

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118894.D
 Acq On : 11 Feb 2020 20:05
 Operator : CG/JU
 Sample : L1484-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

Quant Time: Feb 12 06:50:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	280560	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	847605	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	489906	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	935052	20.00	ng	0.00
76) Chrysene-d12	13.97	240	749196	20.00	ng	0.00
87) Perylene-d12	15.42	264	784207	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1698239	114.58	ng	0.00
7) Phenol-d6	6.45	99	2164447	117.64	ng	0.00
23) Nitrobenzene-d5	7.37	82	1398774	98.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	680857	116.15	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2153989	78.60	ng	-0.01
79) Terphenyl-d14	12.92	244	3195518	87.61	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.54	88	257002	38.048	ng	99
3) Pyridine	3.30	79	670094	35.727	ng	100
4) n-Nitrosodimethylamine	3.23	42	303651	44.466	ng	97
6) Aniline	6.47	93	674127	28.448	ng	# 29
8) 2-Chlorophenol	6.60	128	809486	49.034	ng	98
9) Benzaldehyde	6.35	77	358382	31.368	ng	99
10) Phenol	6.46	94	925088	45.219	ng	80
11) bis(2-Chloroethyl)ether	6.54	93	753757	48.159	ng	99
12) 1,3-Dichlorobenzene	6.75	146	845661	43.035	ng	99
13) 1,4-Dichlorobenzene	6.82	146	861897	43.972	ng	99
14) 1,2-Dichlorobenzene	6.98	146	800099	42.731	ng	99
15) Benzyl Alcohol	6.95	79	663185	46.633	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	861765	44.961	ng	94
17) 2-Methylphenol	7.07	107	648925	47.280	ng	98
18) Hexachloroethane	7.32	117	287076	40.807	ng	95
19) n-Nitroso-di-n-propylamine	7.22	70	503679	44.742	ng	97
20) 3+4-Methylphenols	7.22	107	767404	44.607	ng	91
22) Acetophenone	7.22	105	997762	54.181	ng	97
24) Nitrobenzene	7.39	77	778620	54.809	ng	99
25) Isophorone	7.63	82	1113396	43.565	ng	98
26) 2-Nitrophenol	7.70	139	345035	45.580	ng	98
27) 2,4-Dimethylphenol	7.75	122	530166	51.558	ng	97
28) bis(2-Chloroethoxy)methane	7.84	93	691152	41.705	ng	99
29) 2,4-Dichlorophenol	7.95	162	548707	44.557	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	601202	41.767	ng	99
31) Naphthalene	8.11	128	1740212	44.890	ng	100
32) Benzoic acid	7.89	122	371310	43.613	ng	99
33) 4-Chloroaniline	8.16	127	268443	15.478	ng	98
34) Hexachlorobutadiene	8.23	225	359280	40.741	ng	99
35) Caprolactam	8.53	113	107634	26.961	ng	99
36) 4-Chloro-3-methylphenol	8.66	107	572100	46.163	ng	98
37) 2-Methylnaphthalene	8.80	142	1220836	45.408	ng	98
38) 1-Methylnaphthalene	8.90	142	1135101	44.880	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	609799	41.243	ng	99

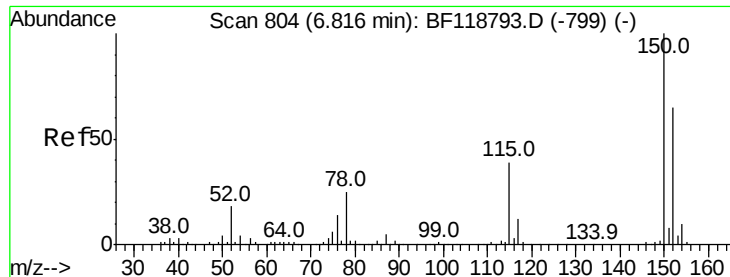
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	283479	48.895	ng	99
43) 2,4,6-Trichlorophenol	9.09	196	430185	43.509	ng	99
44) 2,4,5-Trichlorophenol	9.13	196	448997	44.444	ng	99
46) 1,1'-Biphenyl	9.27	154	1460421	43.094	ng	99
47) 2-Chloronaphthalene	9.29	162	1177978	41.812	ng	100
48) 2-Nitroaniline	9.39	65	337613	41.549	ng	92
49) Acenaphthylene	9.71	152	1827204	44.919	ng	100
50) Dimethylphthalate	9.57	163	1575977	47.244	ng	99
51) 2,6-Dinitrotoluene	9.63	165	335288	43.928	ng	92
52) Acenaphthene	9.88	154	1100139	41.042	ng	99
53) 3-Nitroaniline	9.80	138	186169	21.993	ng	99
54) 2,4-Dinitrophenol	9.91	184	185094	50.444	ng	93
55) Dibenzofuran	10.05	168	1683285	43.453	ng	98
56) 4-Nitrophenol	9.98	139	520739	85.000	ng	96
57) 2,4-Dinitrotoluene	10.04	165	452514	44.799	ng	93
58) Fluorene	10.40	166	1285046	44.094	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.17	232	388506	44.034	ng	99
60) Diethylphthalate	10.27	149	1433706	44.200	ng	98
61) 4-Chlorophenyl-phenylether	10.39	204	673255	42.598	ng	98
62) 4-Nitroaniline	10.42	138	298399	35.202	ng	97
63) Azobenzene	10.55	77	1221587	44.113	ng	98
65) 4,6-Dinitro-2-methylphenol	10.45	198	160054	30.462	ng	86
66) n-Nitrosodiphenylamine	10.50	169	1185685	43.777	ng	100
67) 4-Bromophenyl-phenylether	10.87	248	466846	42.205	ng	99
68) Hexachlorobenzene	10.95	284	523434	41.257	ng	94
69) Atrazine	11.03	200	439354	48.690	ng	100
70) Pentachlorophenol	11.15	266	526435	78.583	ng	99
71) Phenanthrene	11.36	178	2209047	48.017	ng	100
72) Anthracene	11.41	178	2055166	44.904	ng	99
73) Carbazole	11.56	167	1768585	44.032	ng	100
74) Di-n-butylphthalate	11.89	149	2224340	43.472	ng	100
75) Fluoranthene	12.55	202	2342079	46.627	ng	99
77) Benzidine	12.66	184	772483	34.090	ng	98
78) Pyrene	12.77	202	2238596	43.555	ng	100
80) Butylbenzylphthalate	13.39	149	1137142	48.474	ng	94
81) Benzo(a)anthracene	13.96	228	2028417	45.499	ng	100
82) 3,3'-Dichlorobenzidine	13.92	252	569930	31.257	ng	99
83) Chrysene	14.00	228	2018681	45.116	ng	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	1562768	52.507	ng	100
85) Di-n-octyl phthalate	14.56	149	2295584	45.022	ng	98
86) Indeno(1,2,3-cd)pyrene	16.87	276	2227959	49.559	ng	99
88) Benzo(b)fluoranthene	15.00	252	2224693	45.718	ng	99
89) Benzo(k)fluoranthene	15.03	252	1693099	39.956	ng	98
90) Benzo(a)pyrene	15.36	252	1877829	45.091	ng	99
91) Dibenzo(a,h)anthracene	16.89	278	1833346	49.591	ng	100
92) Benzo(g,h,i)perylene	17.31	276	1791702	50.394	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

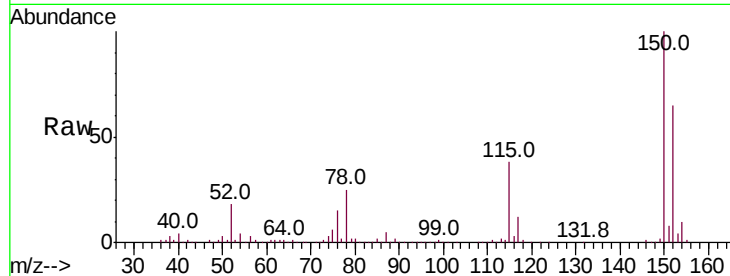


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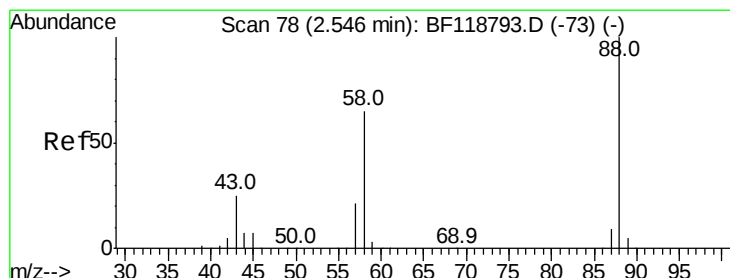
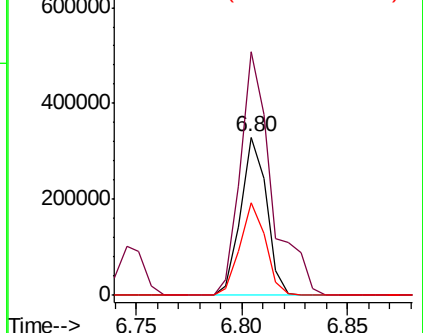
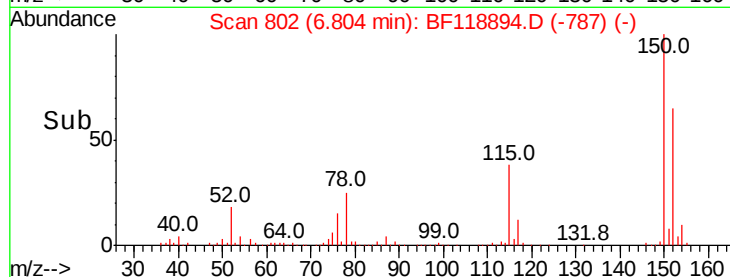
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

Tot Ion:152 Resp: 280560
 Ion Ratio Lower Upper
 152 100
 150 153.8 123.6 185.4
 115 58.4 48.2 72.2



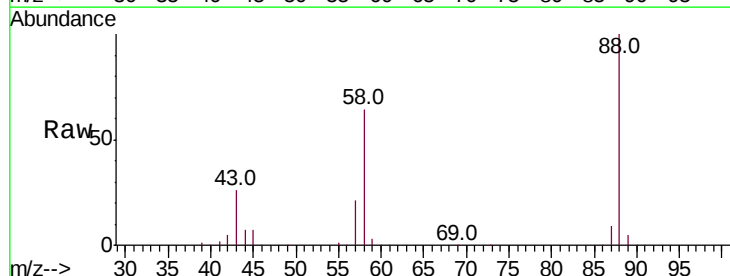
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



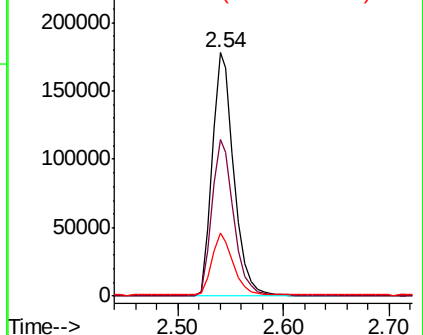
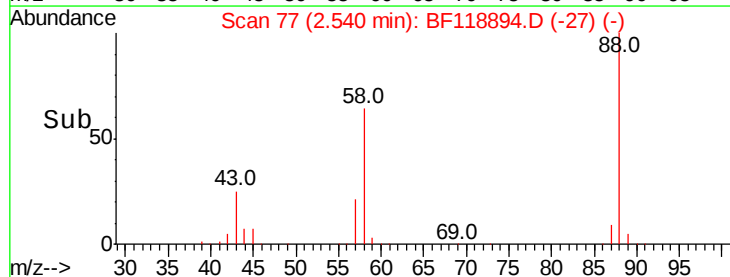
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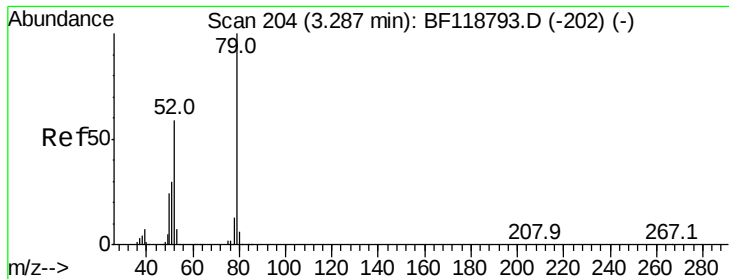
1,4-Dioxane
 Concen: 38.048 ng
 RT: 2.54 min Scan# 77
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion: 88 Resp: 257002
 Ion Ratio Lower Upper
 88 100
 58 65.1 51.6 77.4
 43 24.6 19.8 29.6



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 35.727 ng

RT: 3.30 min Scan# 206

Delta R.T. 0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

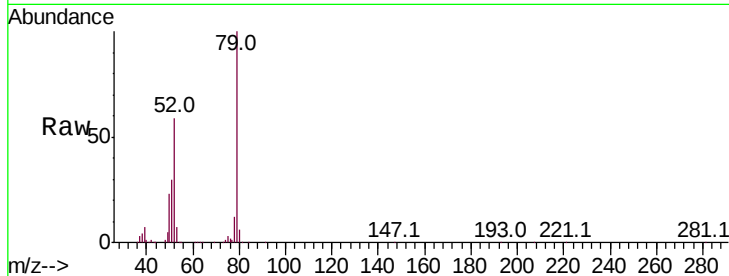
Tot Ion: 79 Resp: 670094

Ion Ratio Lower Upper

79 100

52 59.4 47.4 71.0

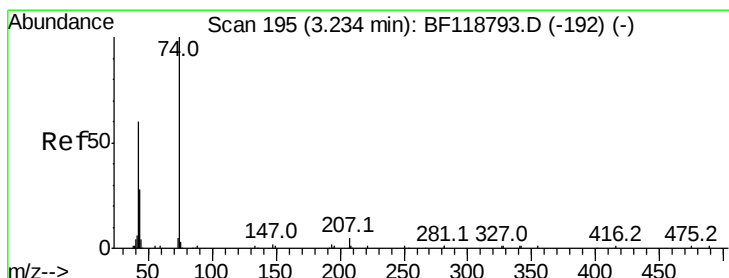
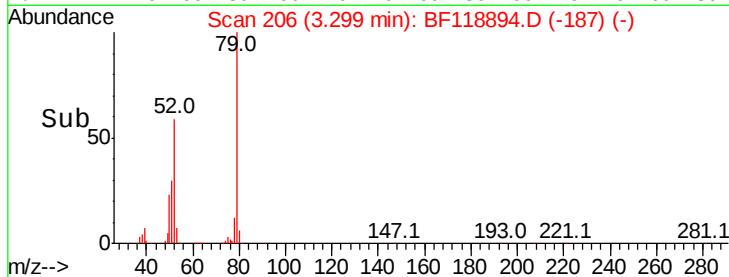
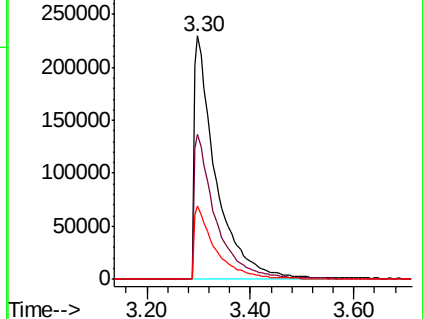
51 30.4 24.2 36.4



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 44.466 ng

RT: 3.23 min Scan# 194

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

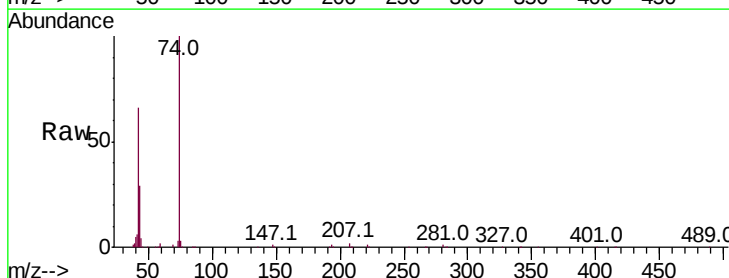
Tgt Ion: 42 Resp: 303651

Ion Ratio Lower Upper

42 100

74 151.1 124.3 186.5

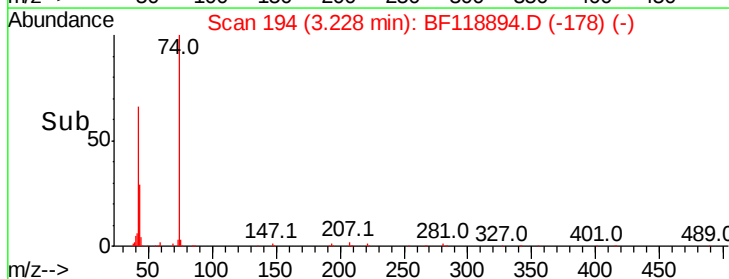
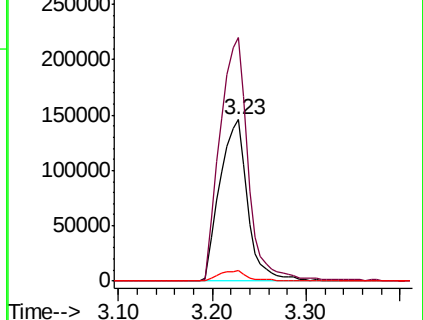
44 6.7 5.3 7.9

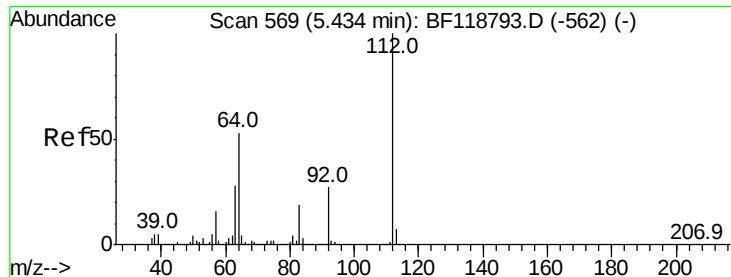


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 114.580 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

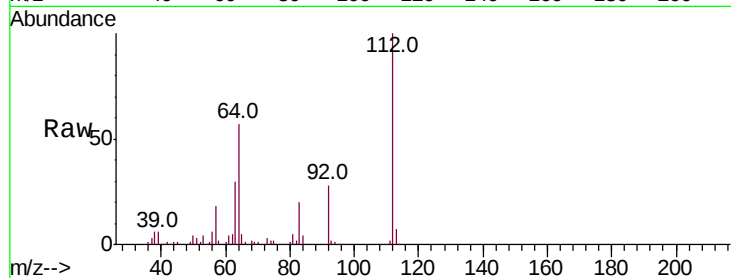
Tot Ion:112 Resp: 1698239

Ion Ratio Lower Upper

112 100

64 57.4 42.6 63.8

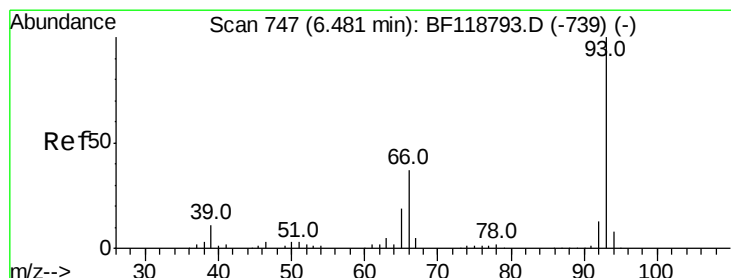
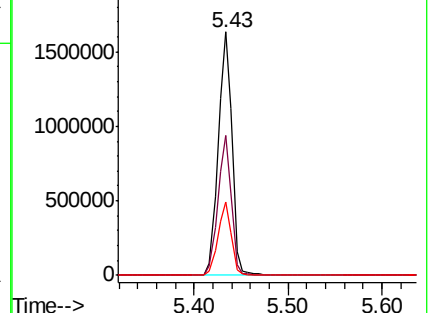
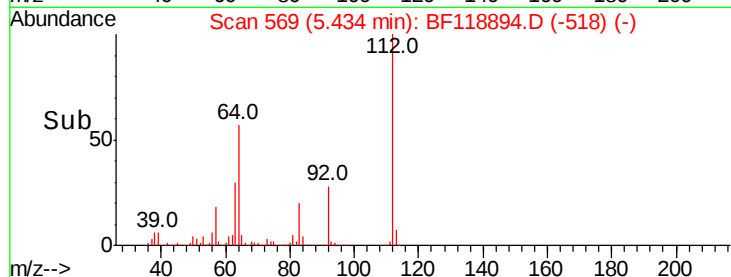
63 30.4 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 28.448 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

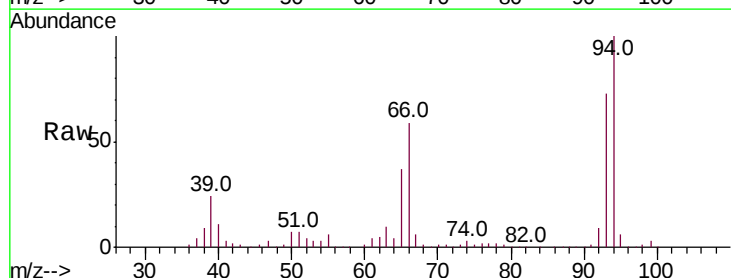
Tgt Ion: 93 Resp: 674127

Ion Ratio Lower Upper

93 100

66 81.9 30.8 46.2#

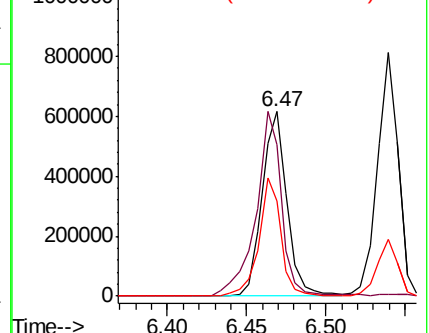
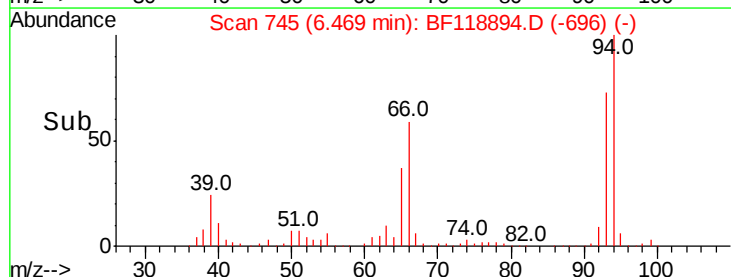
65 51.3 15.4 23.0#

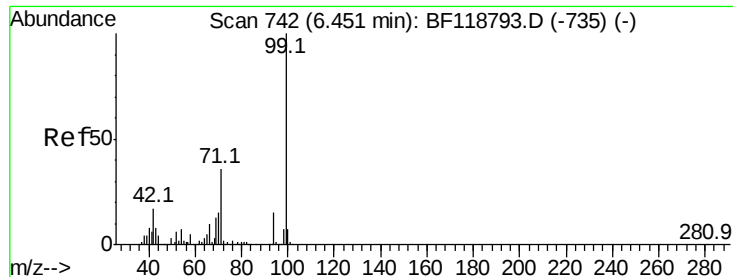


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 117.641 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

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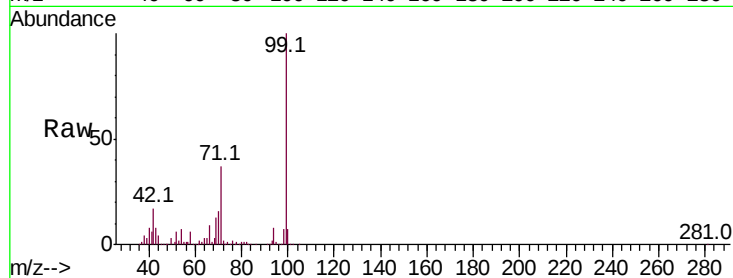
Tot Ion: 99 Resp: 2164447

Ion Ratio Lower Upper

99 100

42 17.5 13.4 20.0

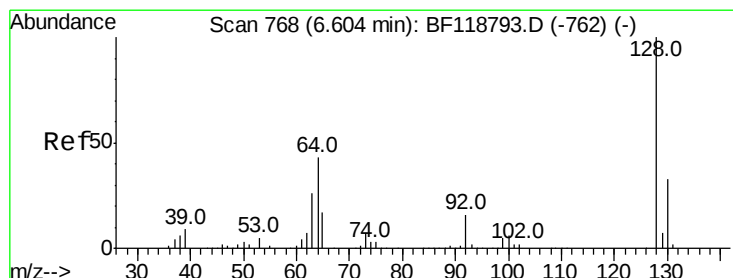
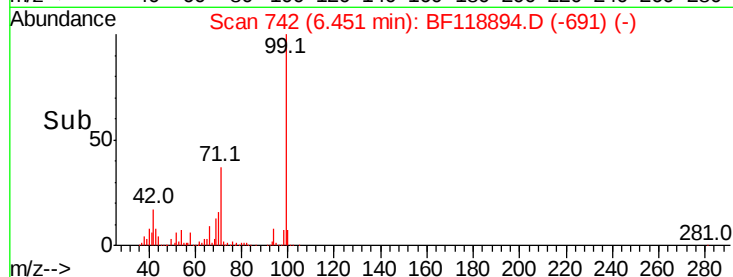
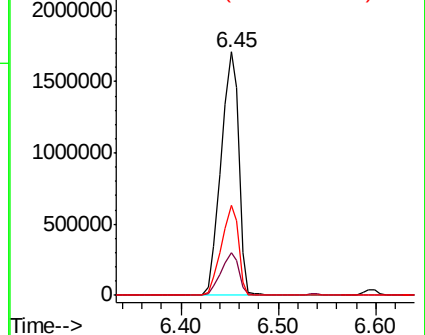
71 36.8 29.0 43.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 49.034 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

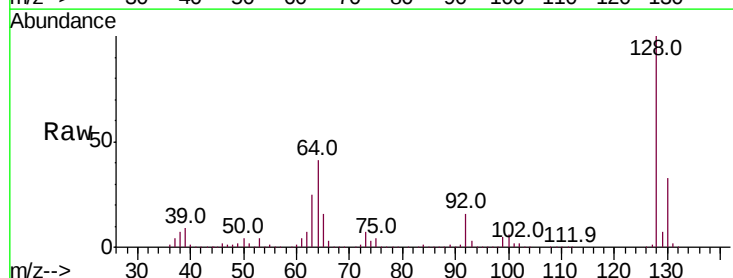
Tgt Ion: 128 Resp: 809486

Ion Ratio Lower Upper

128 100

130 33.4 13.1 53.1

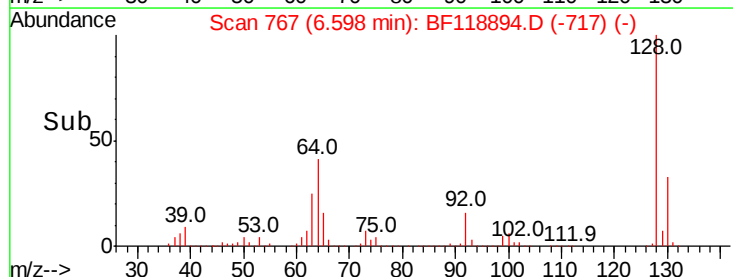
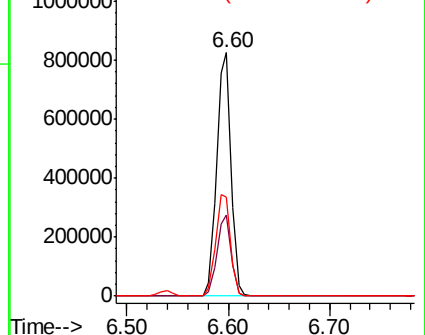
64 40.8 23.0 63.0

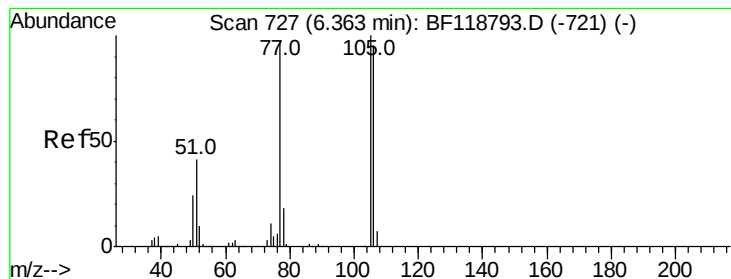


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 31.368 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

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SP-3MSD

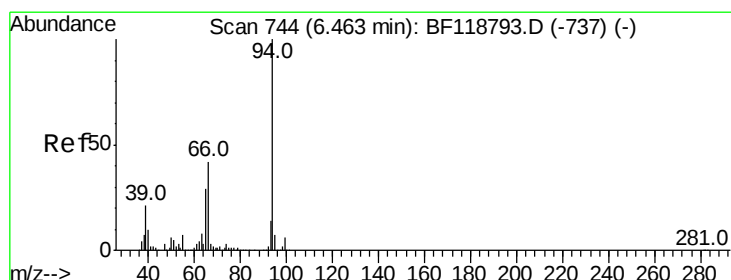
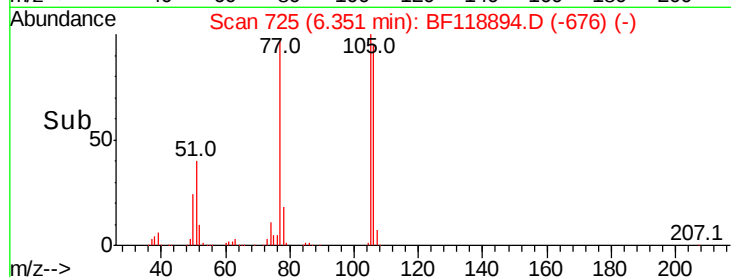
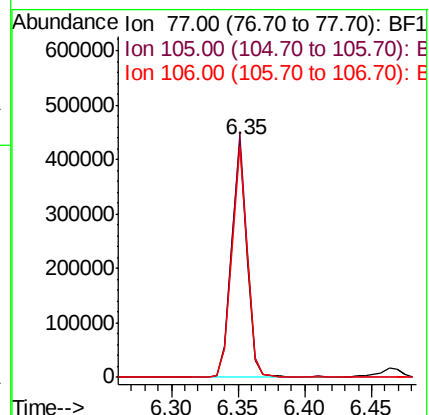
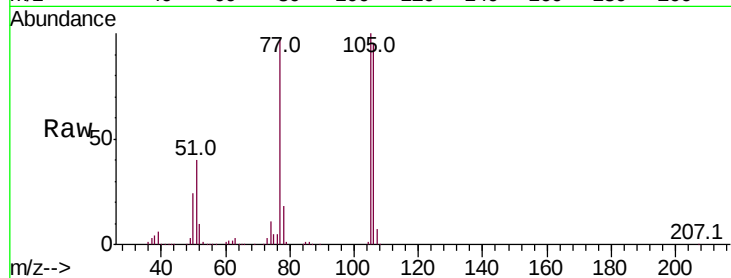
Tot Ion: 77 Resp: 358382

Ion Ratio Lower Upper

77 100

105 102.6 82.8 122.8

106 97.2 78.1 118.1



#10

Phenol

Concen: 45.219 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

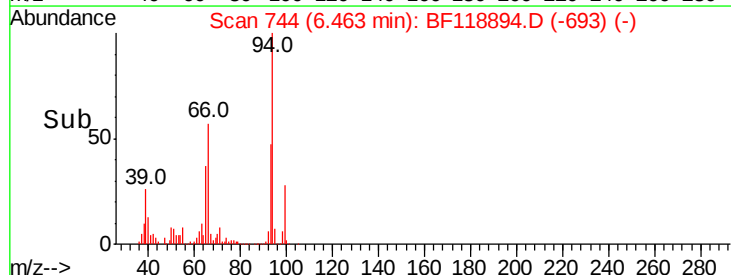
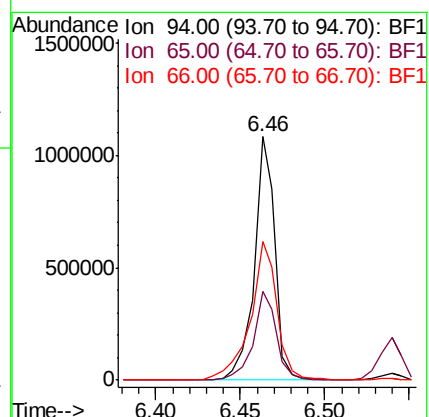
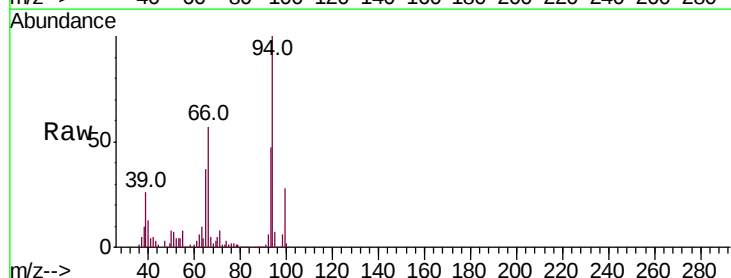
Tgt Ion: 94 Resp: 925088

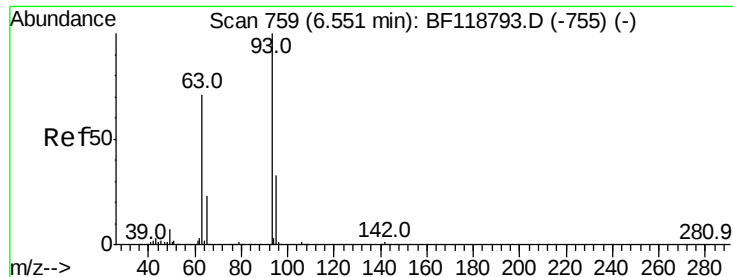
Ion Ratio Lower Upper

94 100

65 36.6 9.1 49.1

66 57.0 21.7 61.7

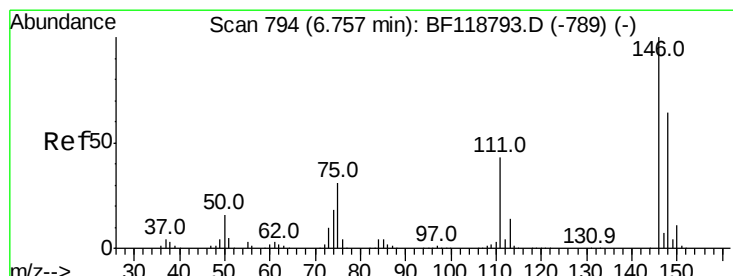
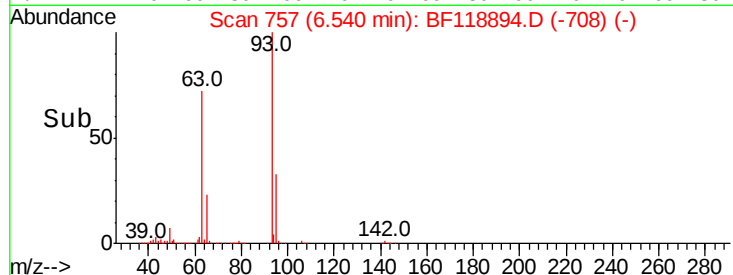
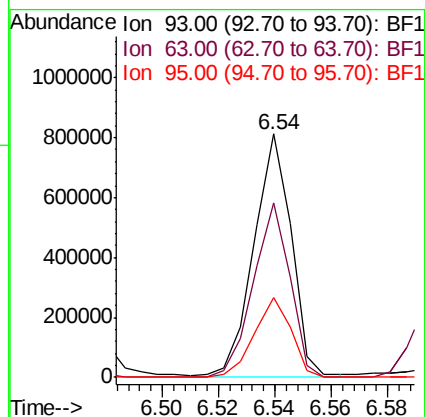
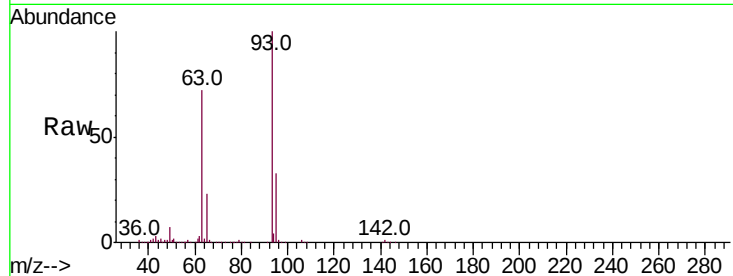




#11
bis(2-Chloroethyl)ether
Concen: 48.159 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

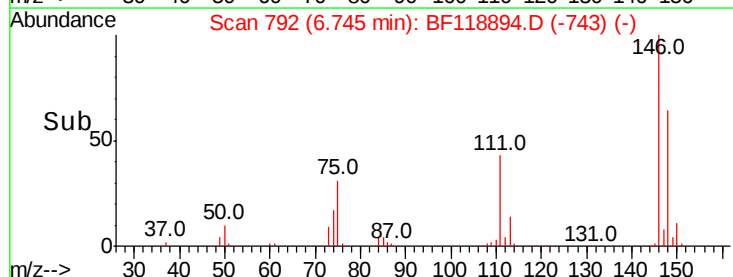
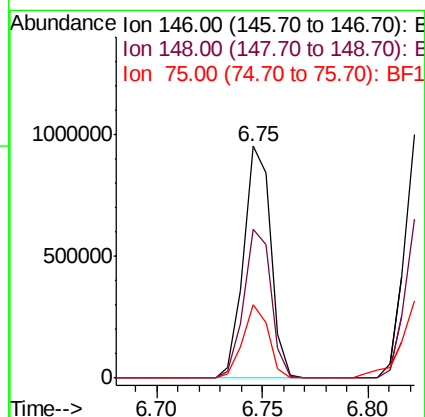
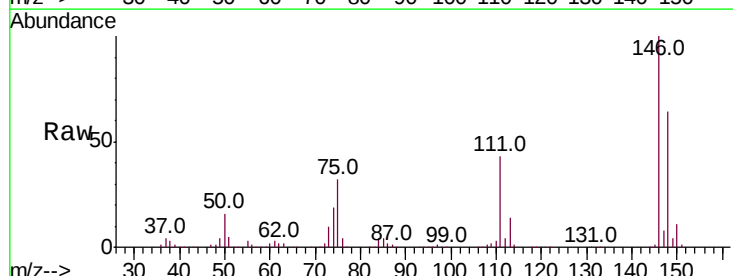
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

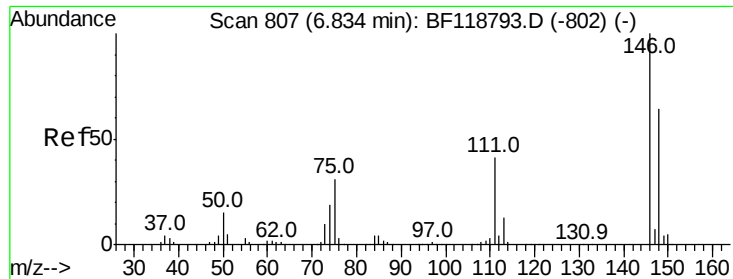
Tot Ion	Ratio	Lower	Upper
93	100		
63	71.8	50.7	90.7
95	32.8	12.6	52.6



#12
1,3-Dichlorobenzene
Concen: 43.035 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.1	76.7
75	31.6	25.0	37.4

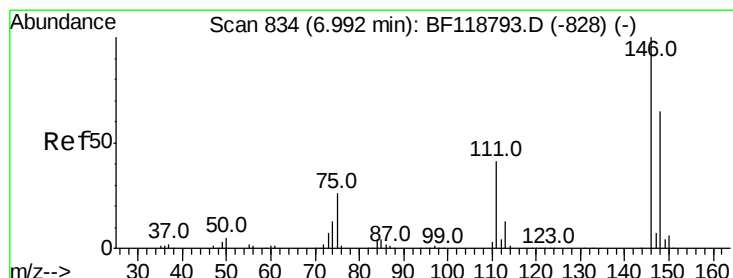
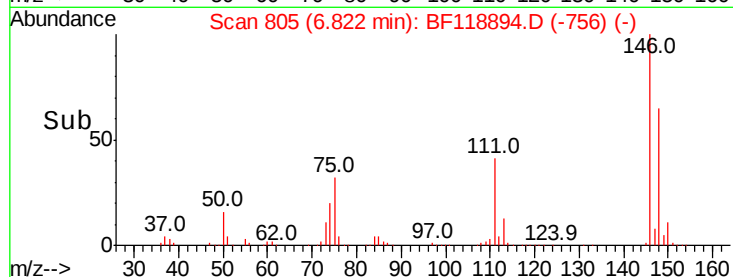
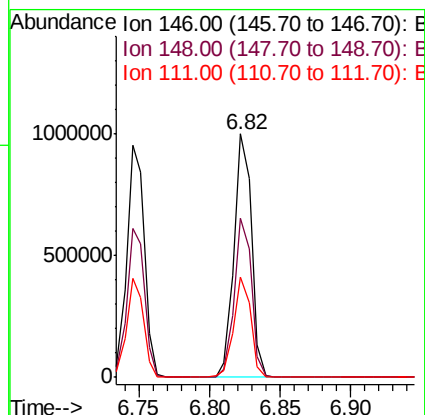
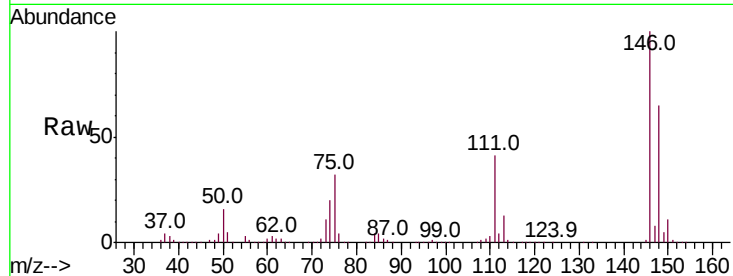




#13
 1,4-Dichlorobenzene
 Concen: 43.972 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

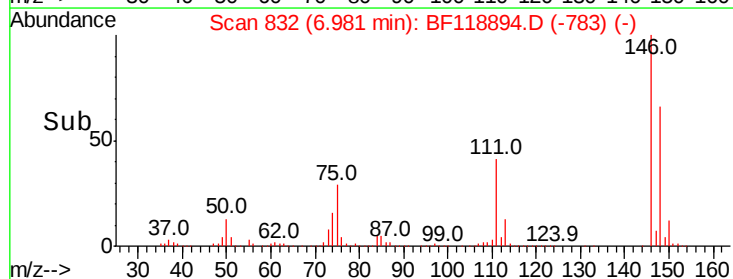
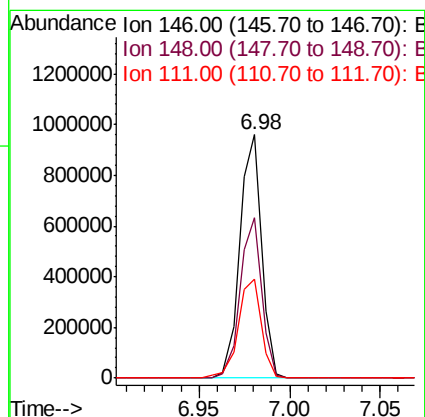
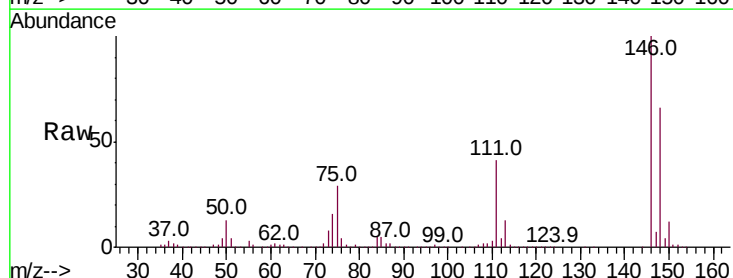
Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

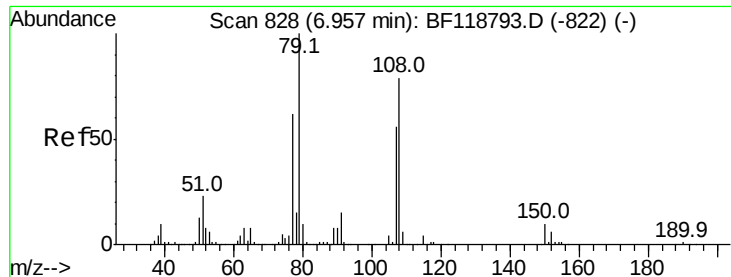
Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.6	77.4
111	41.2	32.9	49.3



#14
 1,2-Dichlorobenzene
 Concen: 42.731 ng
 RT: 6.98 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.0	51.6	77.4
111	40.7	32.7	49.1





#15

Benzyl Alcohol

Concen: 46.633 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

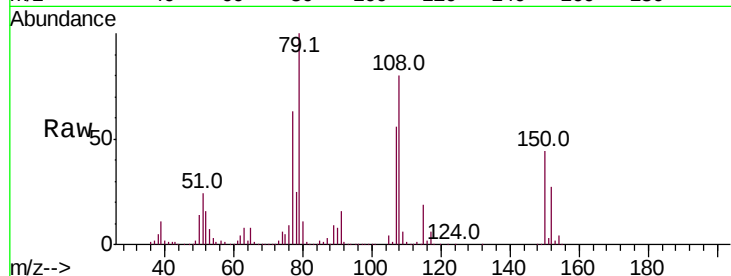
Tot Ion: 79 Resp: 663185

Ion Ratio Lower Upper

79 100

108 79.9 62.9 94.3

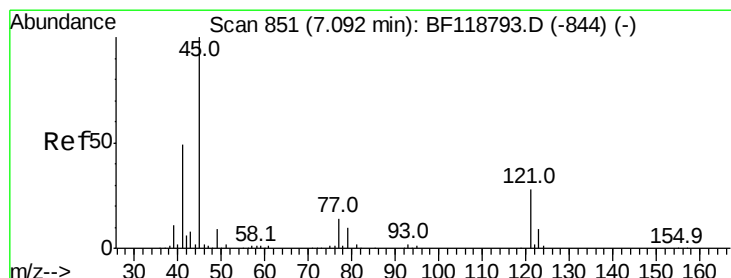
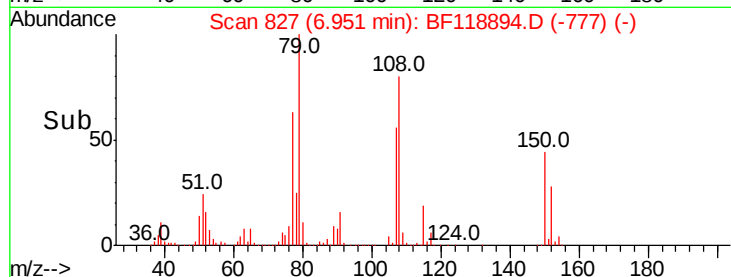
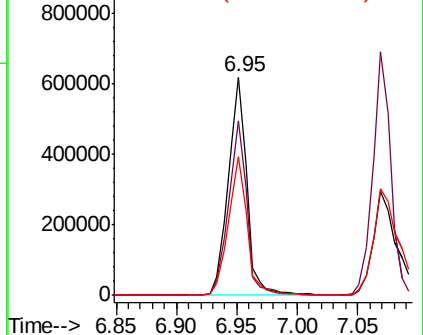
77 63.4 50.0 75.0



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.961 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

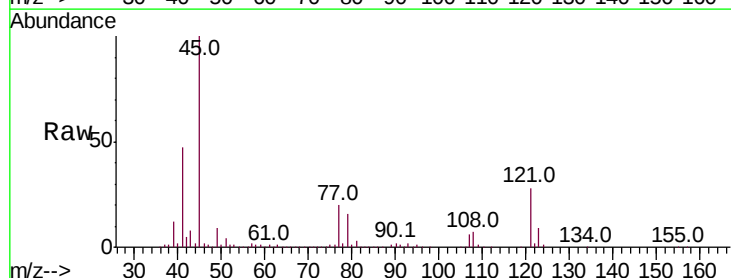
Tgt Ion: 45 Resp: 861765

Ion Ratio Lower Upper

45 100

77 19.6 0.0 37.1

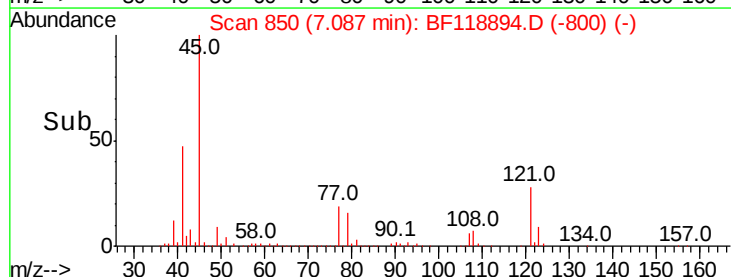
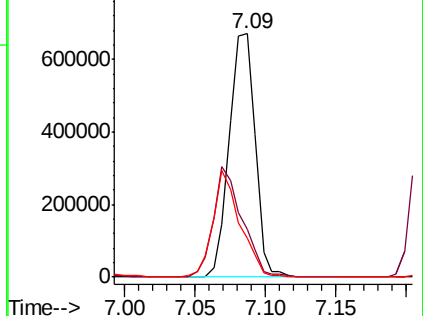
79 16.1 0.0 33.1

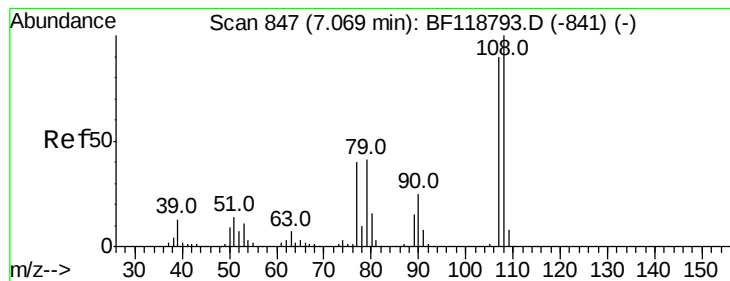


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 47.280 ng

RT: 7.07 min Scan# 847

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tot Ion:107 Resp: 648925

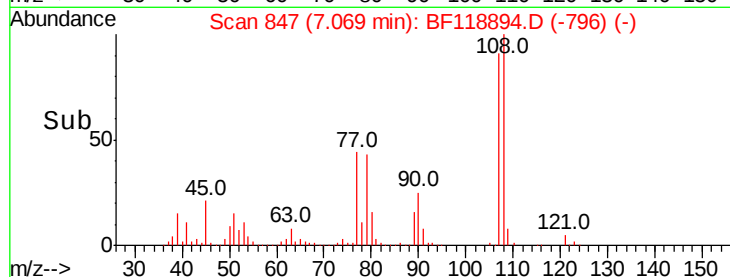
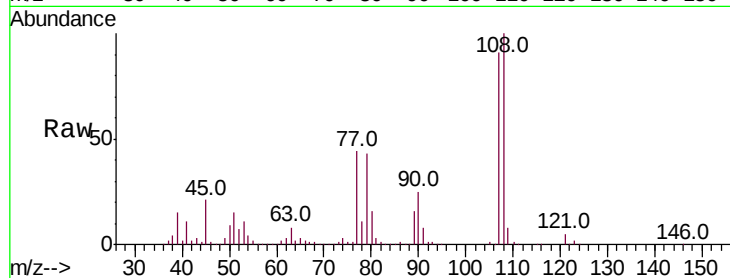
Ion Ratio Lower Upper

107 100

108 109.8 89.3 133.9

77 48.2 36.2 54.2

79 46.8 36.3 54.5



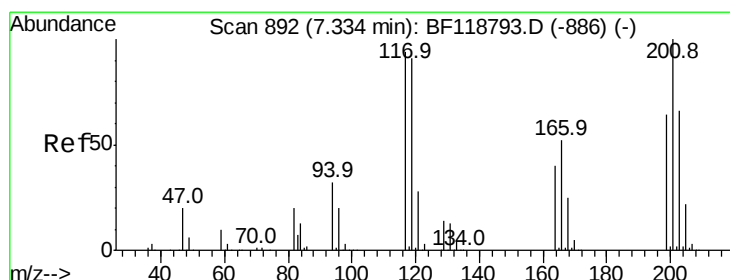
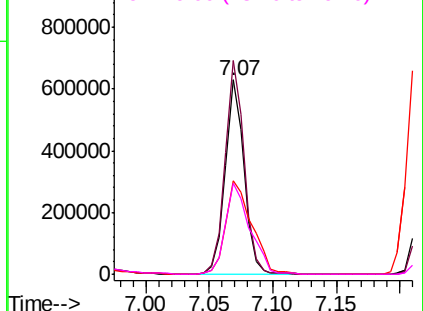
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 40.807 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

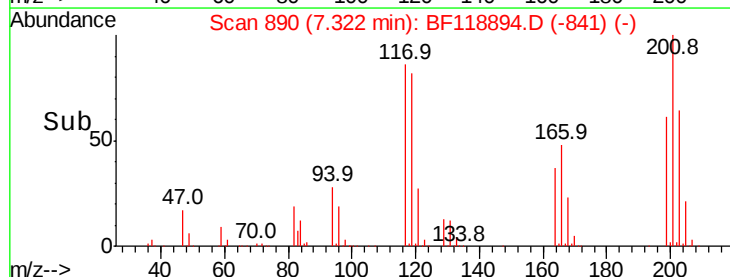
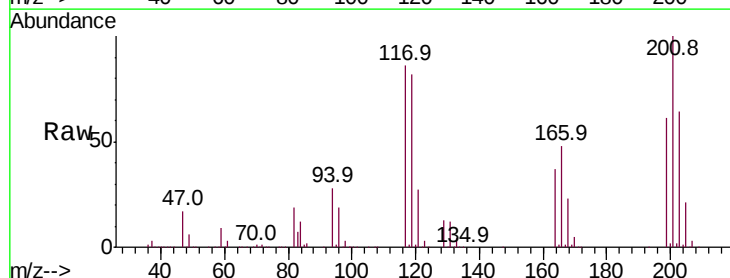
Tgt Ion:117 Resp: 287076

Ion Ratio Lower Upper

117 100

119 96.3 77.4 116.0

201 116.7 85.1 127.7

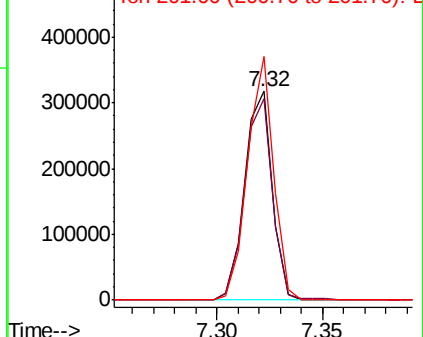


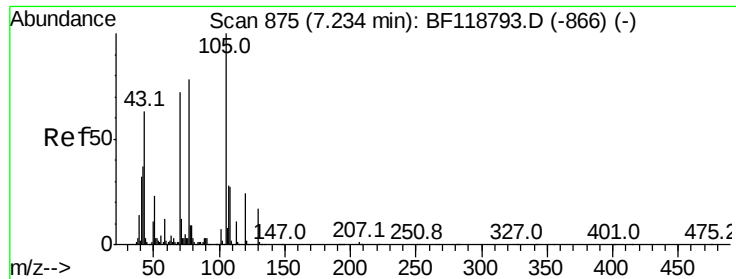
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

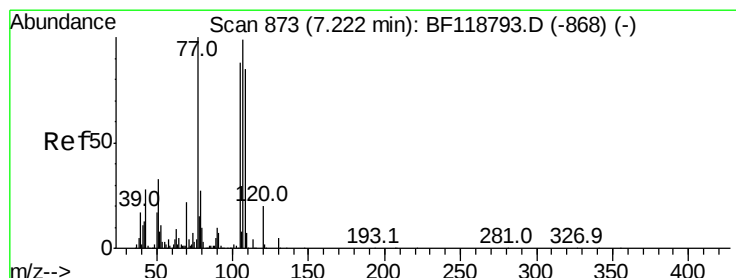
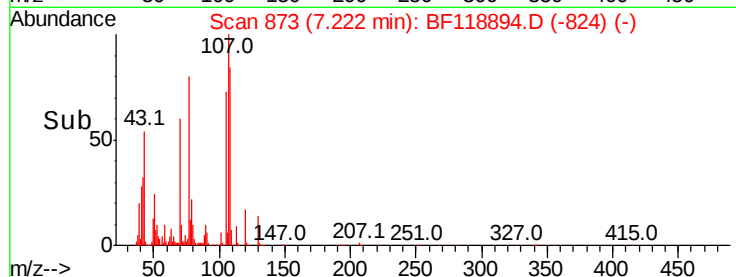
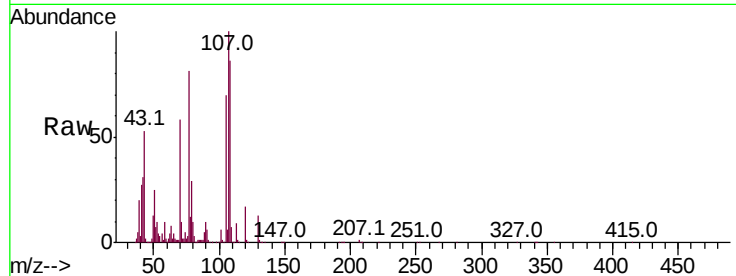
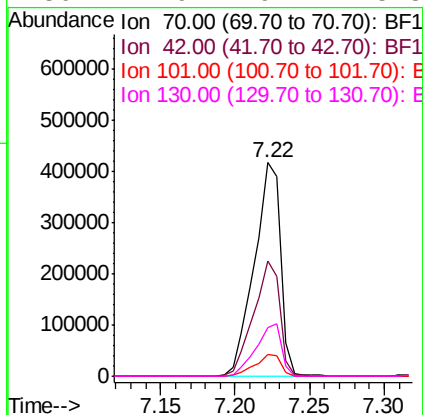




#19
n-Nitroso-di-n-propylamine
Concen: 44.742 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

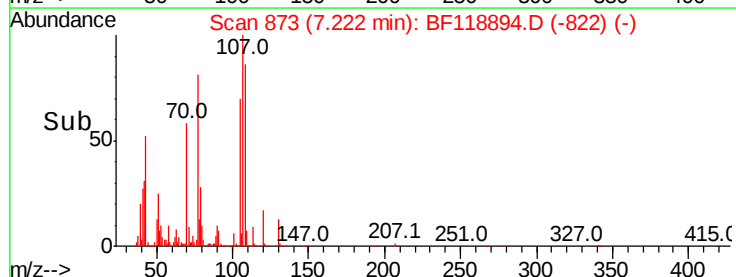
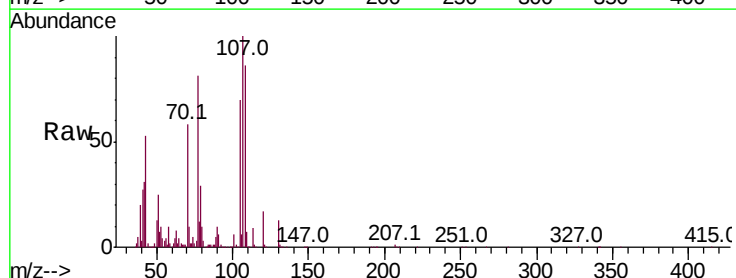
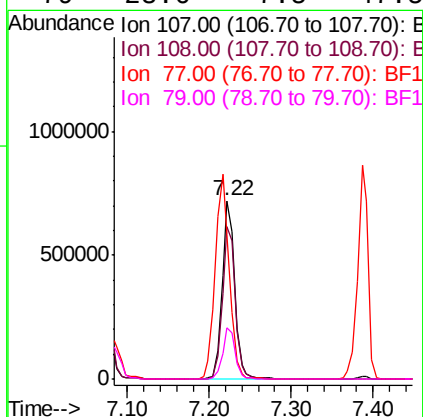
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

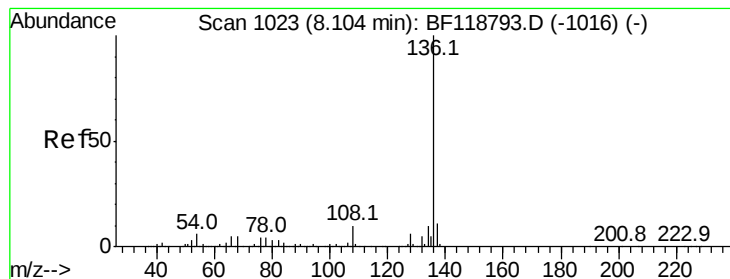
Tot Ion:	70	Resp:	503679
Ion	Ratio	Lower	Upper
70	100		
42	54.0	41.5	62.3
101	10.1	8.3	12.5
130	22.9	19.2	28.8



#20
3+4-Methylphenols
Concen: 44.607 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:	107	Resp:	767404
Ion	Ratio	Lower	Upper
107	100		
108	85.9	65.9	105.9
77	81.4	80.9	120.9
79	28.6	7.5	47.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tot Ion:136 Resp: 847605

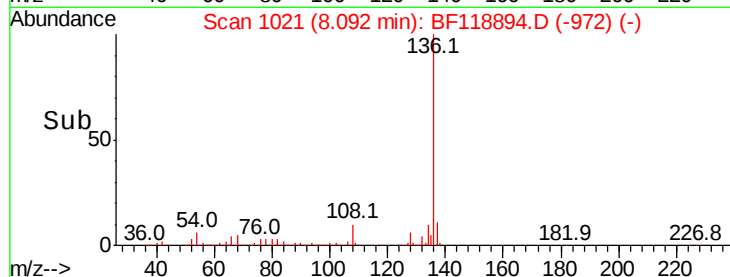
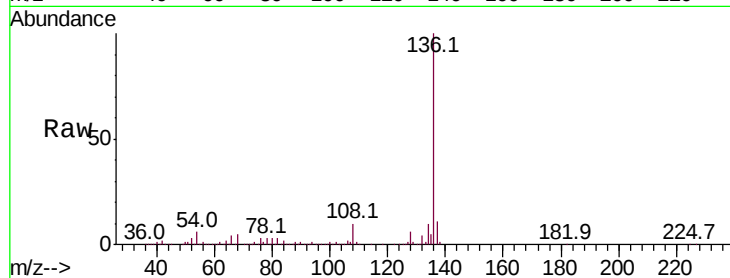
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.0 5.0 7.6

68 5.3 4.2 6.4

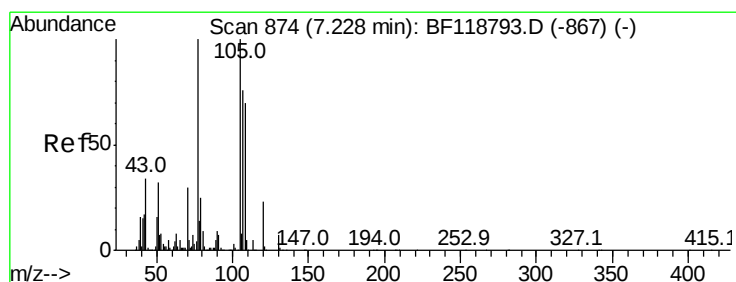
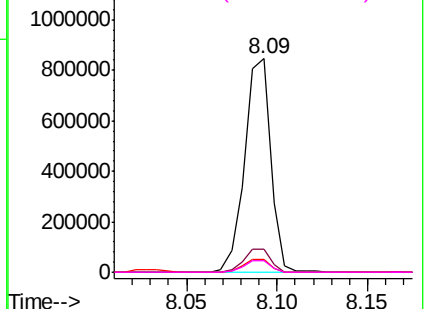


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 54.181 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:105 Resp: 997762

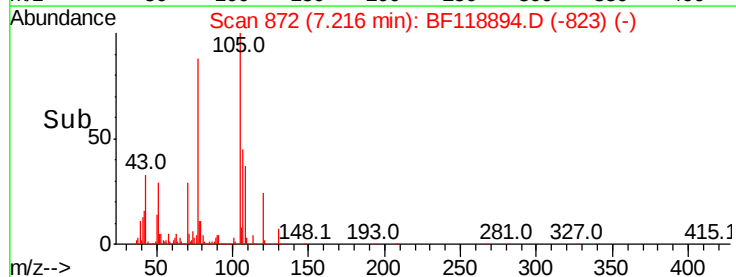
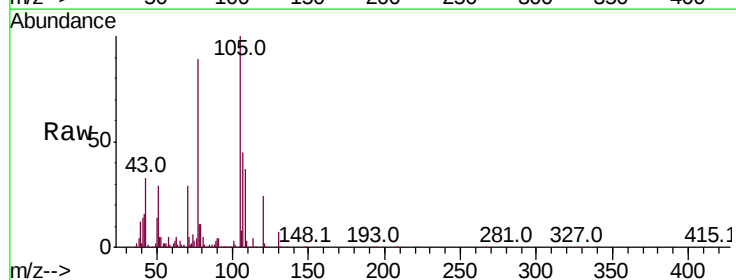
Ion Ratio Lower Upper

105 100

71 5.1 4.2 6.4

51 29.1 25.5 38.3

120 24.0 18.6 28.0

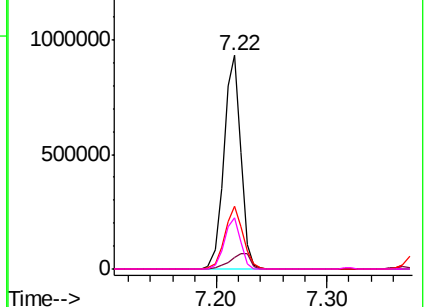


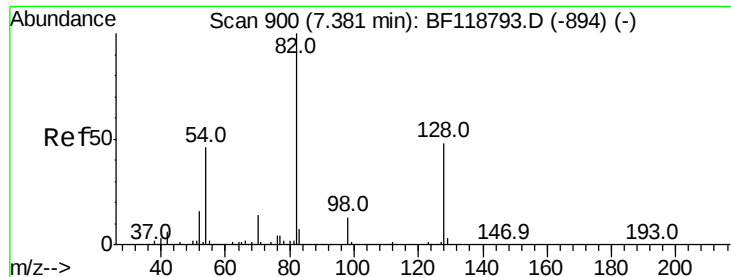
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 98.364 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

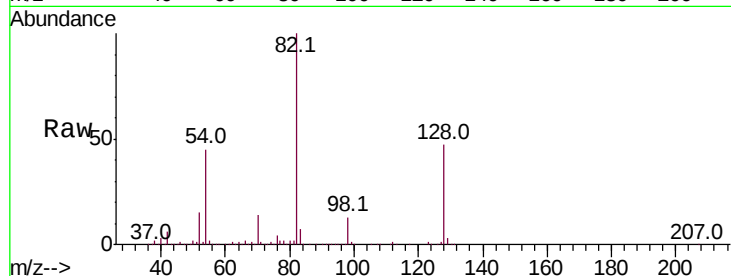
Tot Ion: 82 Resp: 1398774

Ion Ratio Lower Upper

82 100

128 47.2 38.5 57.7

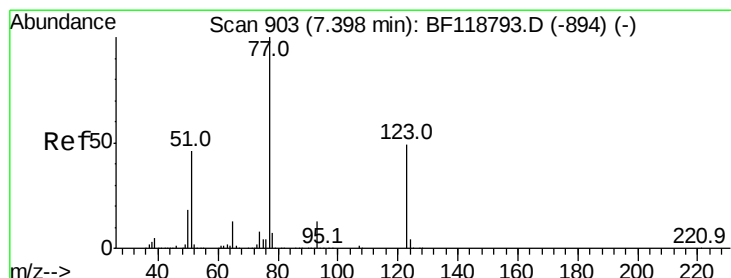
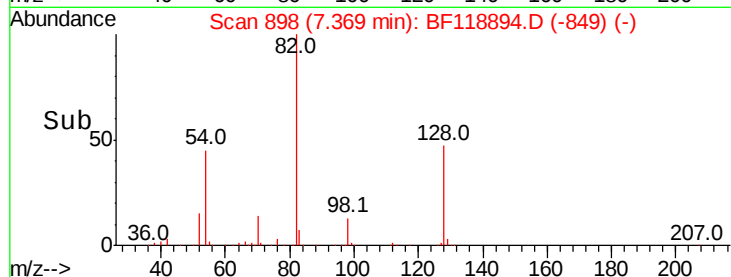
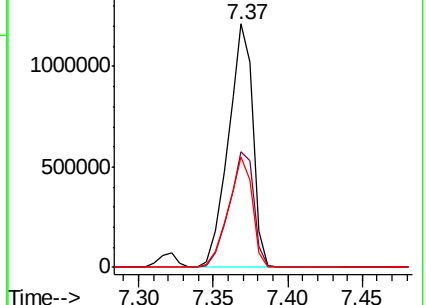
54 45.4 36.7 55.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 54.809 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

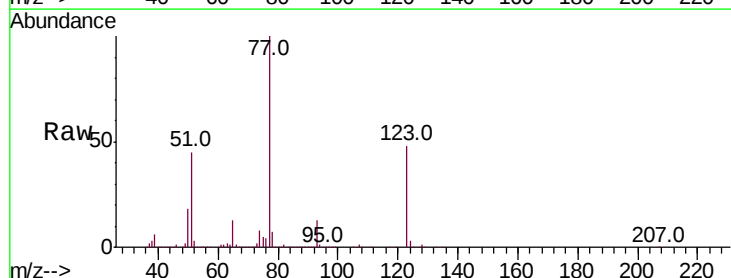
Tgt Ion: 77 Resp: 778620

Ion Ratio Lower Upper

77 100

123 47.9 39.0 58.4

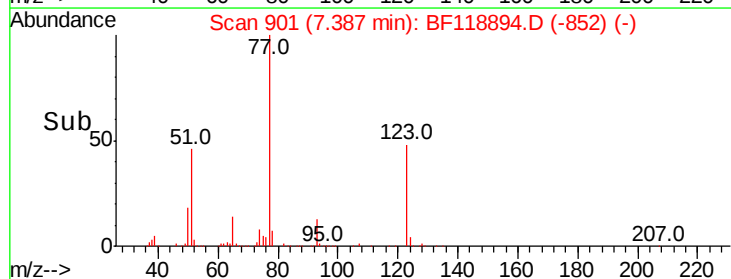
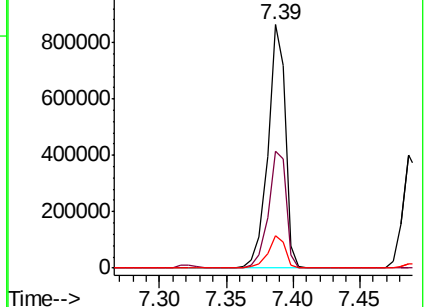
65 13.5 10.6 15.8

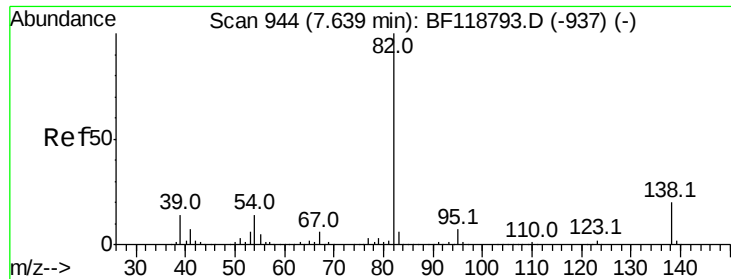


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

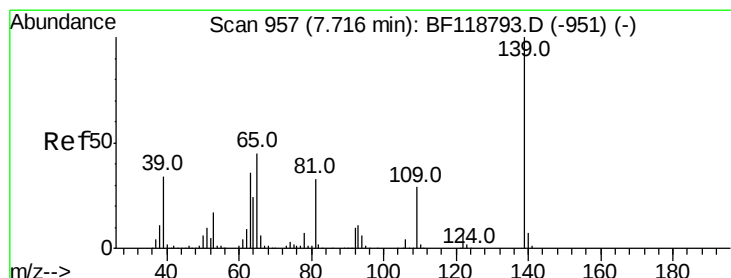
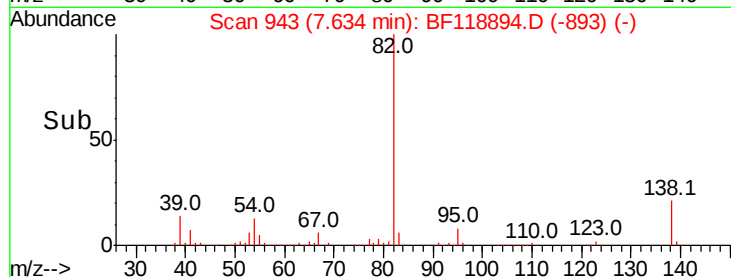
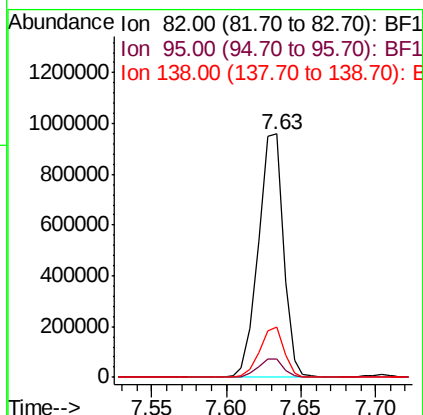
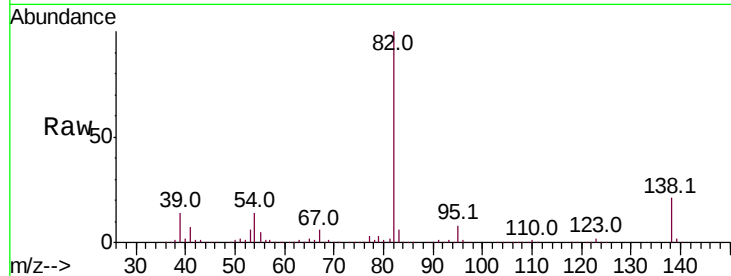




#25
Isophorone
Concen: 43.565 ng
RT: 7.63 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

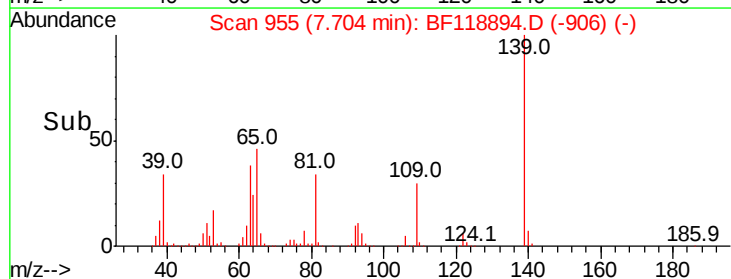
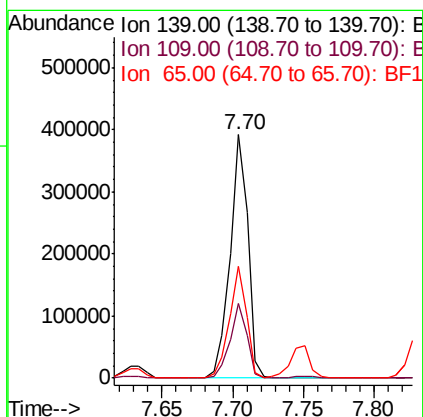
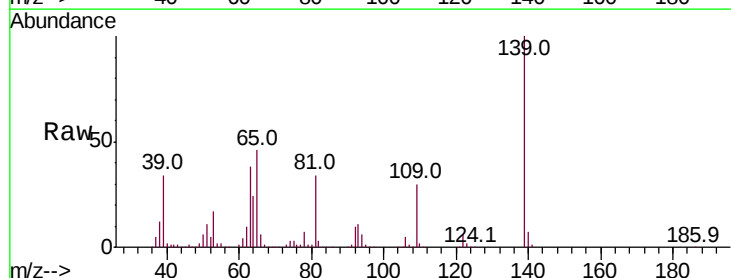
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

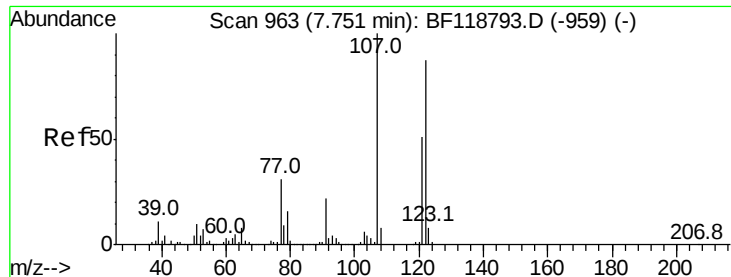
Tot Ion: 82 Resp: 1113396
Ion Ratio Lower Upper
82 100
95 7.7 6.0 9.0
138 20.8 15.7 23.5



#26
2-Nitrophenol
Concen: 45.580 ng
RT: 7.70 min Scan# 955
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion: 139 Resp: 345035
Ion Ratio Lower Upper
139 100
109 30.4 23.4 35.0
65 45.9 36.2 54.2

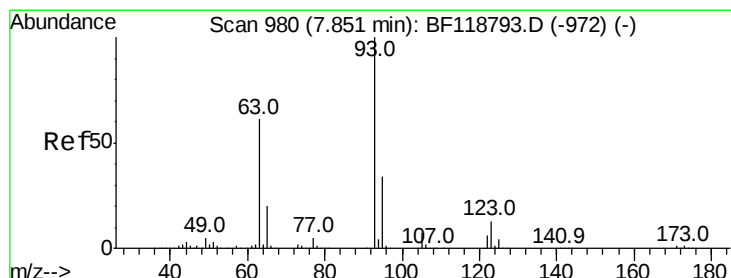
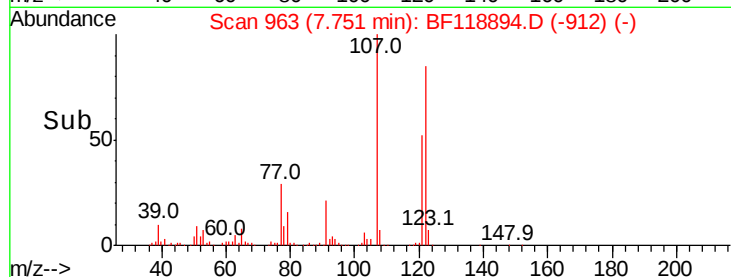
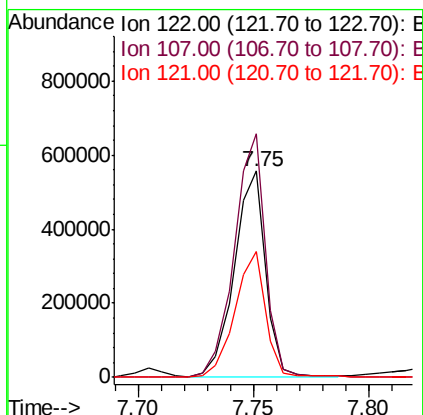
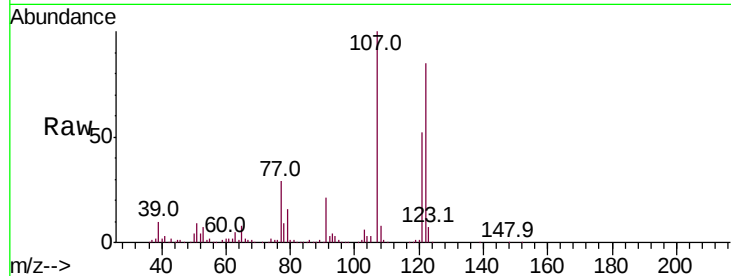




#27
2,4-Dimethylphenol
Concen: 51.558 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

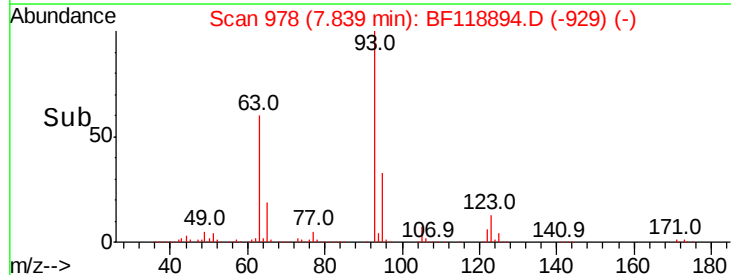
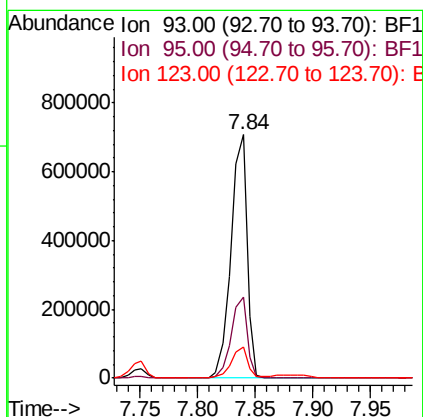
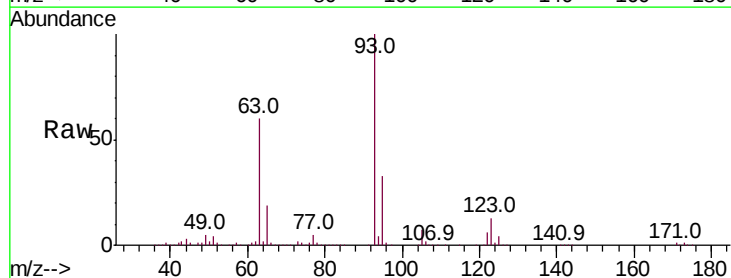
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

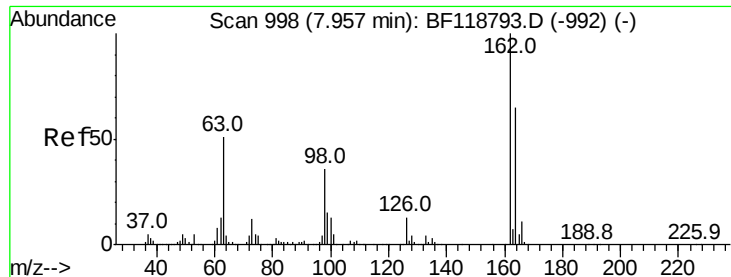
Tot Ion	Ratio	Lower	Upper
122	100		
107	118.1	92.2	138.2
121	61.3	46.8	70.2



#28
bis(2-Chloroethoxy)methane
Concen: 41.705 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.4	27.0	40.4
123	13.0	10.6	15.8





#29

2,4-Dichlorophenol

Concen: 44.557 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

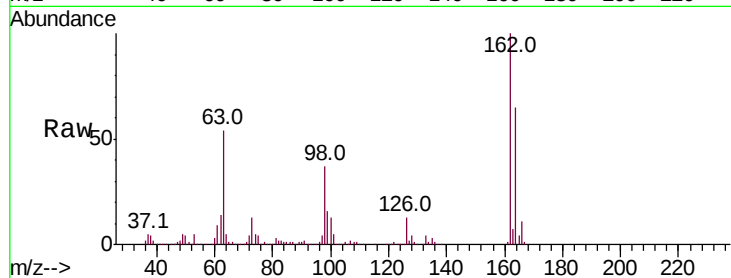
Tot Ion:162 Resp: 548707

Ion Ratio Lower Upper

162 100

164 65.1 44.8 84.8

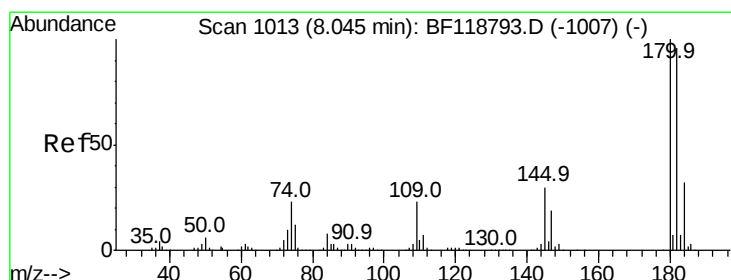
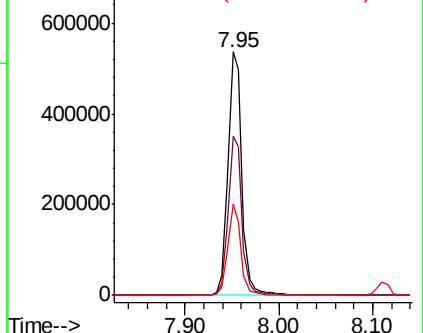
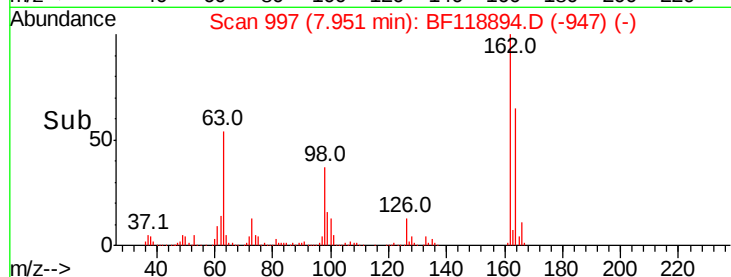
98 37.2 16.4 56.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 41.767 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

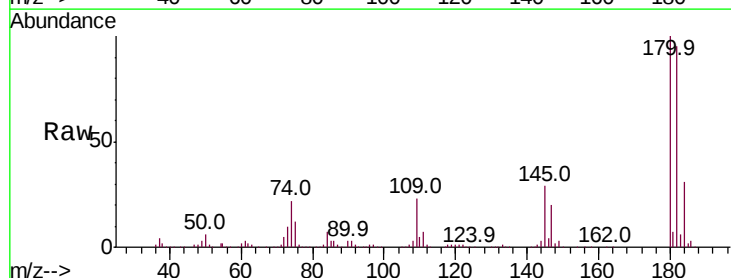
Tgt Ion:180 Resp: 601202

Ion Ratio Lower Upper

180 100

182 94.7 76.6 115.0

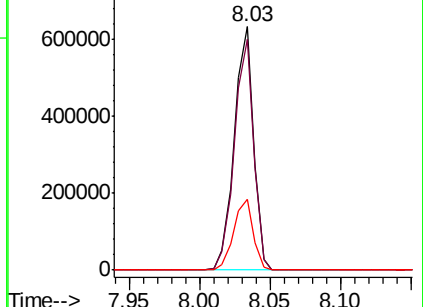
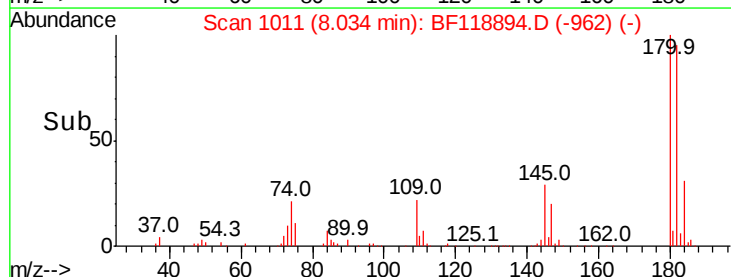
145 29.2 24.0 36.0

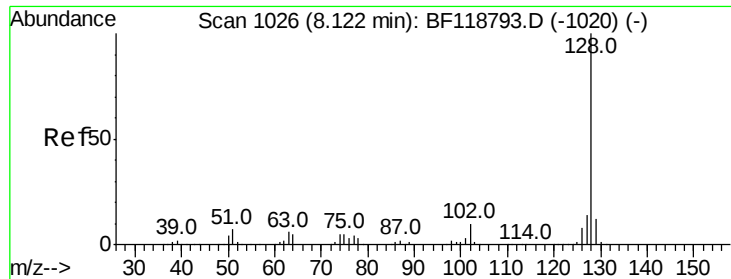


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

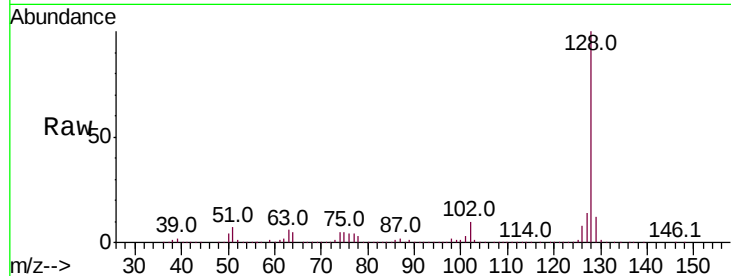




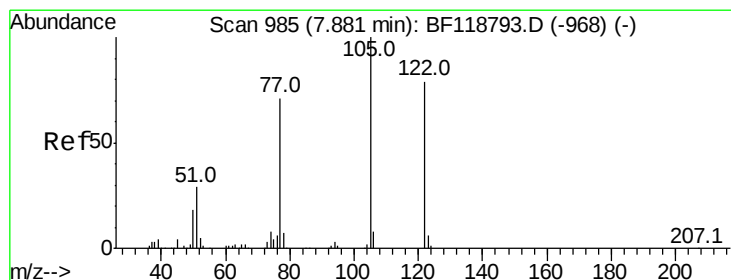
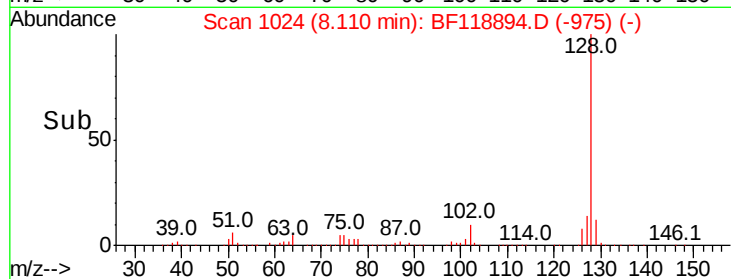
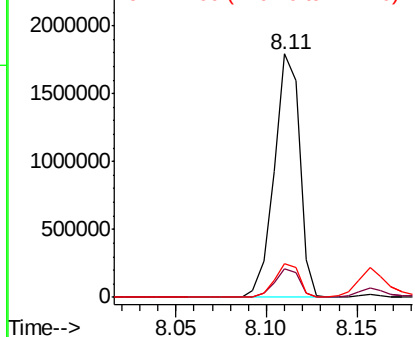
#31
Naphthalene
Concen: 44.890 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion:128 Resp: 1740212
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.2
127 14.0 11.3 16.9

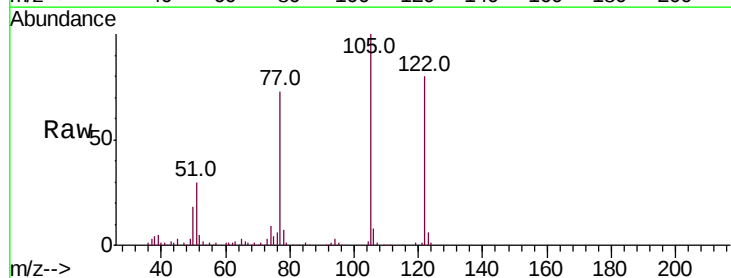


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

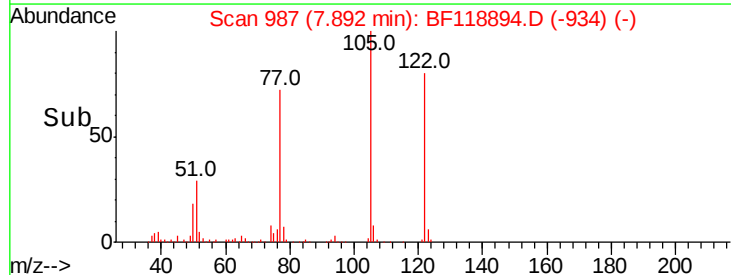
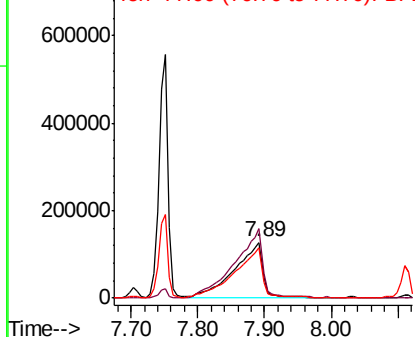


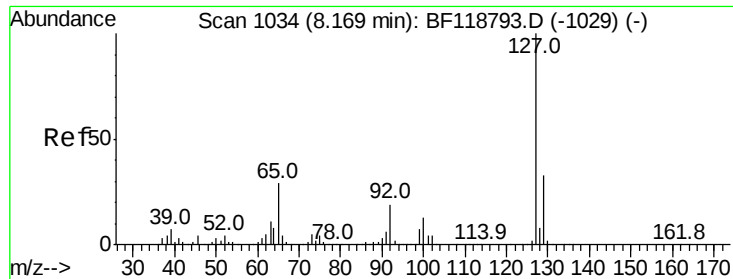
#32
Benzoic acid
Concen: 43.613 ng
RT: 7.89 min Scan# 987
Delta R.T. 0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:122 Resp: 371310
Ion Ratio Lower Upper
122 100
105 124.5 104.4 144.4
77 90.7 69.3 109.3



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

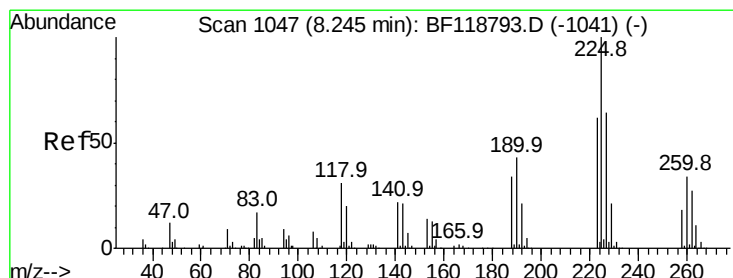
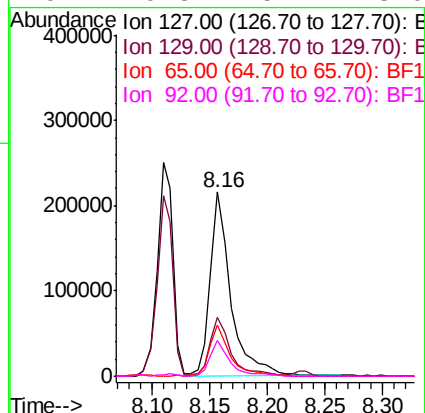
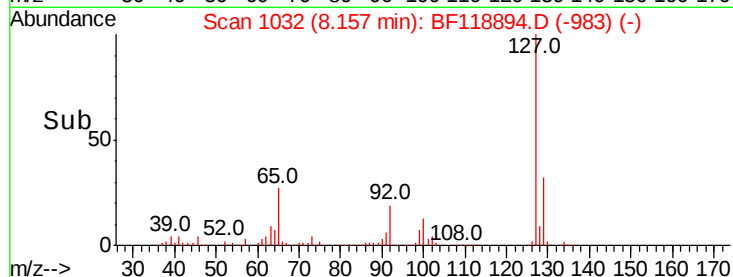
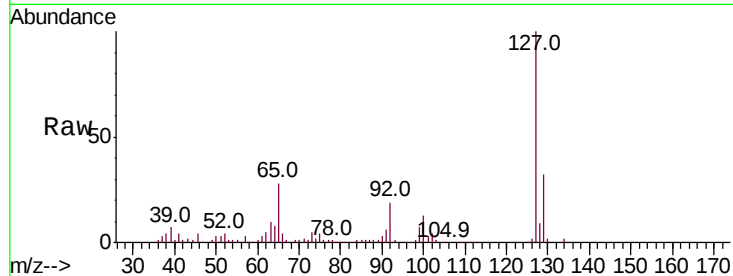




#33
4-Chloroaniline
Concen: 15.478 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

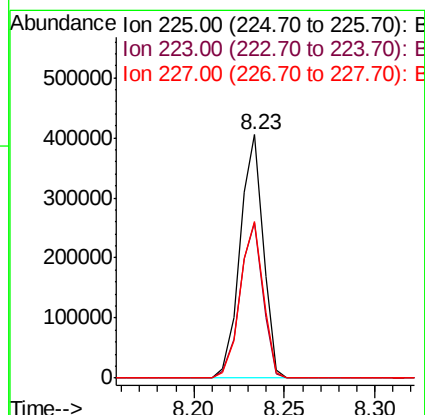
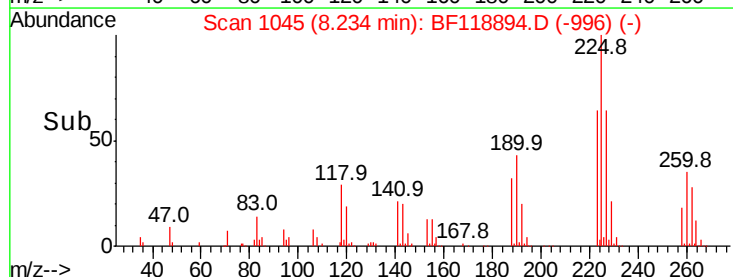
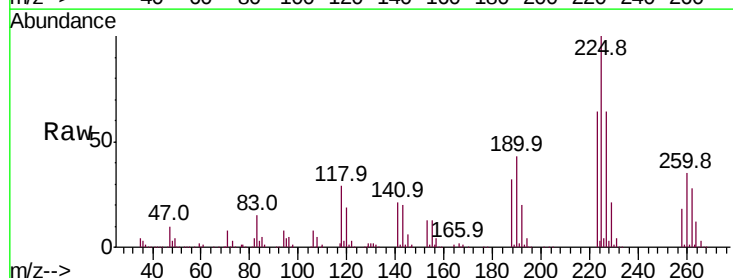
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

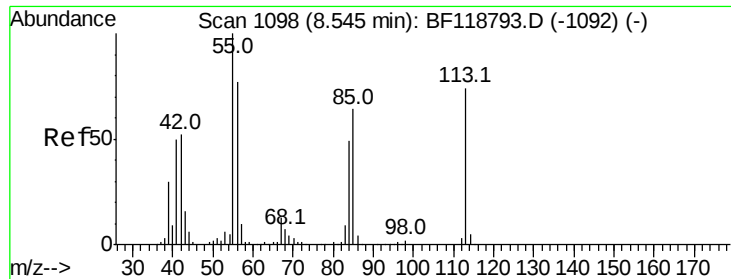
Tot Ion:	127	Resp:	268443
Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.7	40.1
65	28.0	22.9	34.3
92	19.3	15.4	23.0



#34
Hexachlorobutadiene
Concen: 40.741 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:	225	Resp:	359280
Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.8	74.8
227	64.2	51.0	76.4

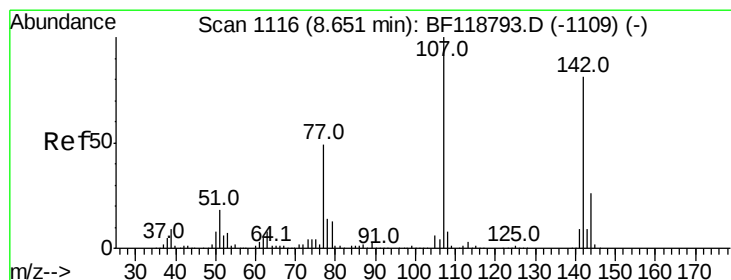
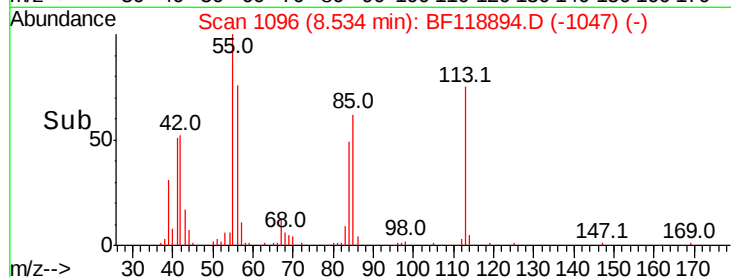
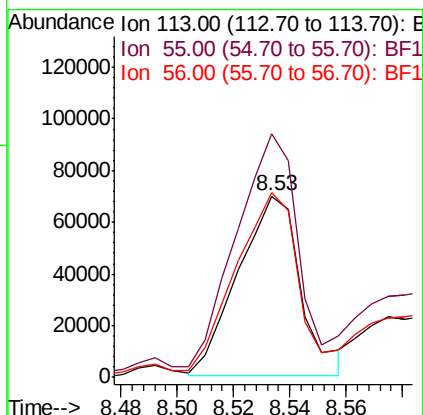
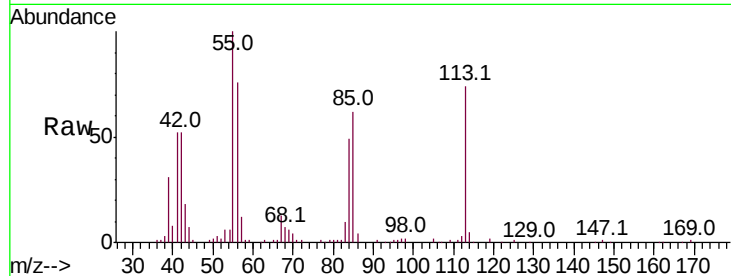




#35
 Caprolactam
 Concen: 26.961 ng
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

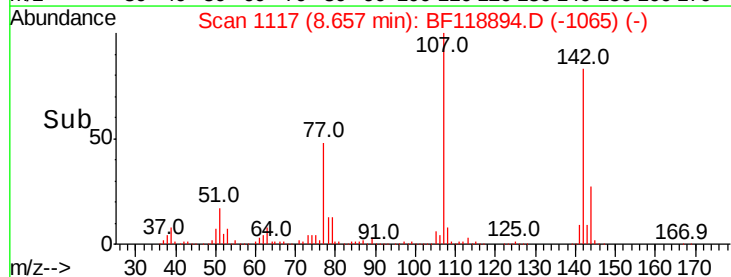
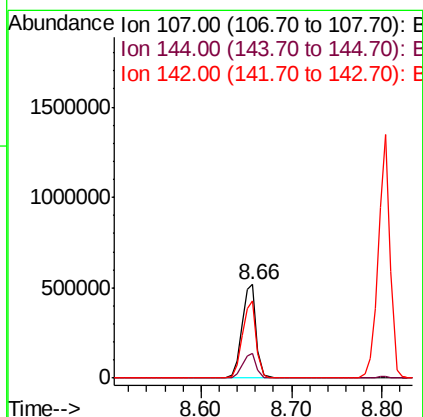
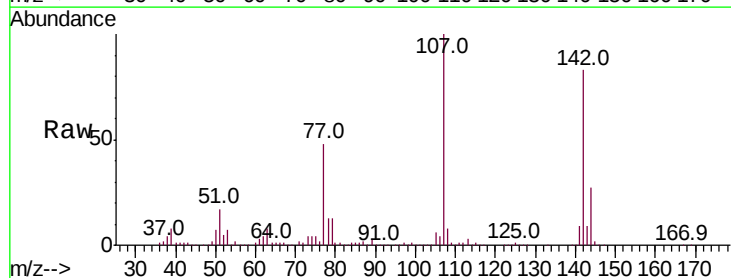
Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

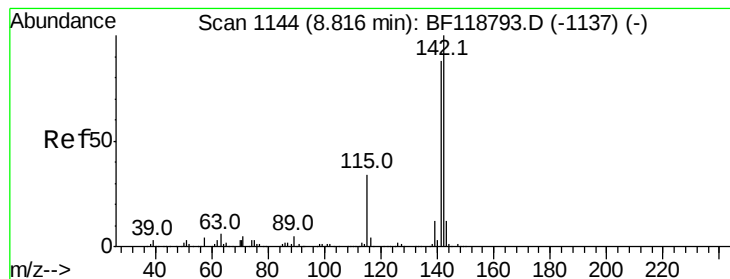
Tot Ion:113 Resp: 107634
 Ion Ratio Lower Upper
 113 100
 55 134.3 115.5 155.5
 56 101.7 83.7 123.7



#36
 4-Chloro-3-methylphenol
 Concen: 46.163 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. 0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion:107 Resp: 572100
 Ion Ratio Lower Upper
 107 100
 144 27.1 21.0 31.6
 142 83.3 64.8 97.2





#37

2-Methylnaphthalene

Concen: 45.408 ng

RT: 8.80 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

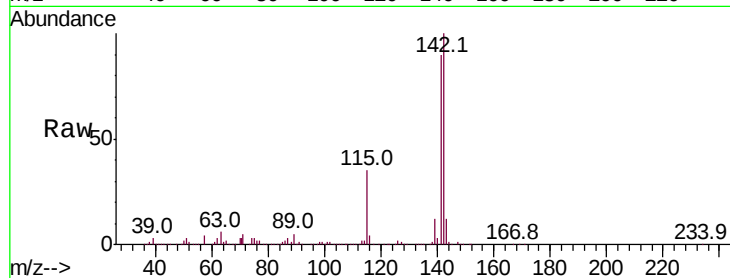
Tot Ion:142 Resp: 1220836

Ion Ratio Lower Upper

142 100

141 89.5 70.1 105.1

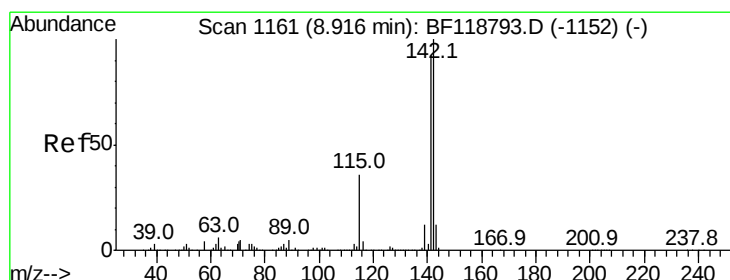
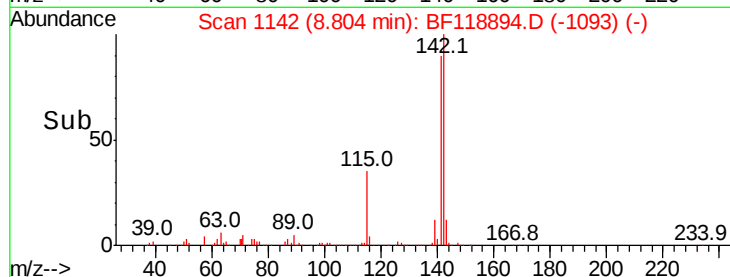
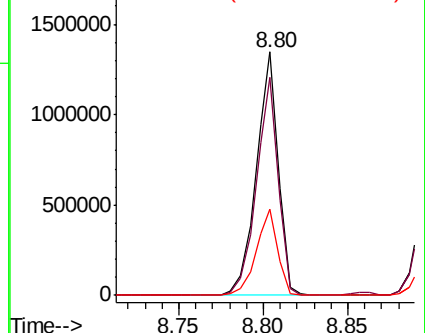
115 35.3 27.3 40.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 44.880 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

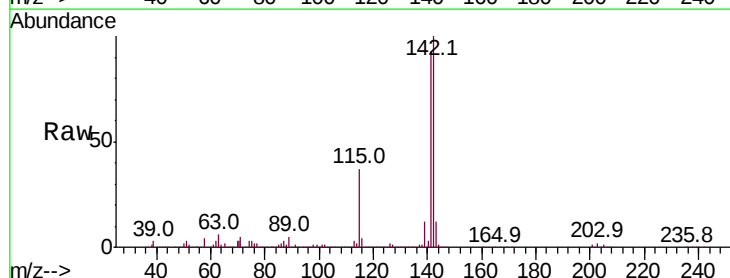
Tgt Ion:142 Resp: 1135101

Ion Ratio Lower Upper

142 100

141 93.1 73.8 110.6

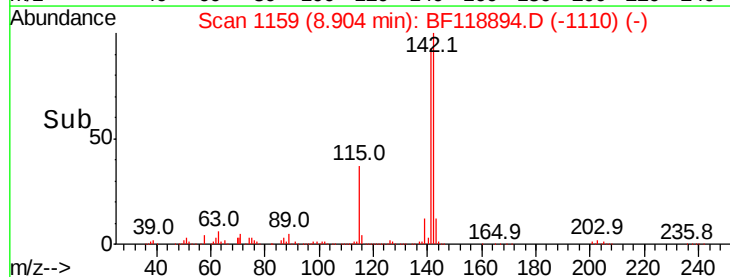
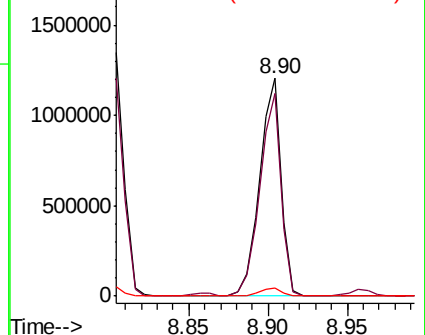
116 3.9 3.0 4.4

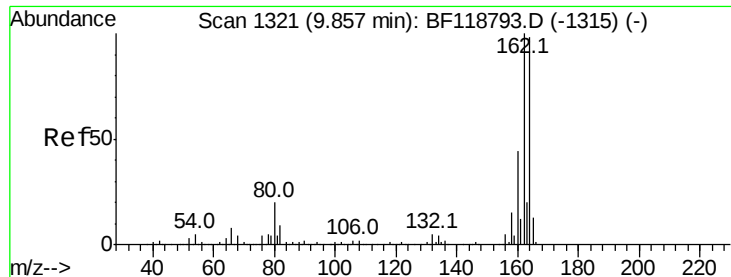


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

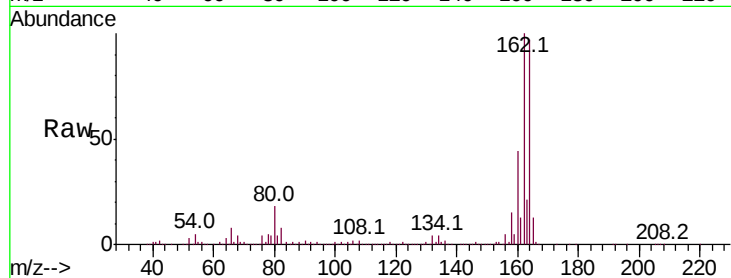
Tot Ion:164 Resp: 489906

Ion Ratio Lower Upper

164 100

162 102.6 81.4 122.2

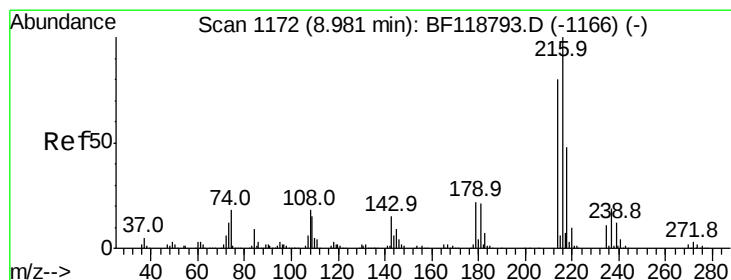
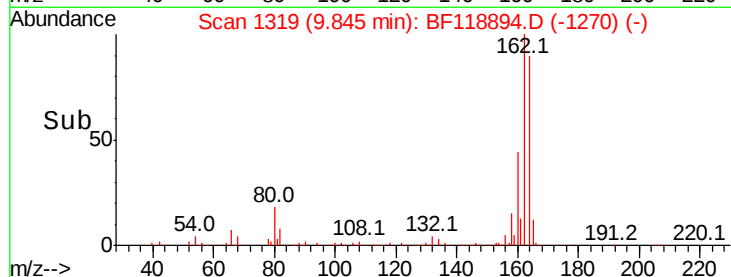
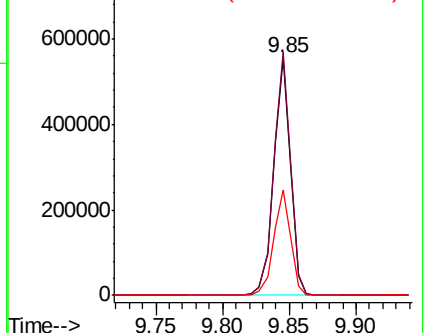
160 44.6 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.243 ng

RT: 8.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:216 Resp: 609799

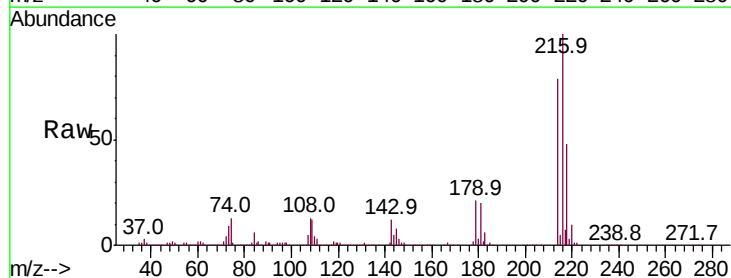
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.4

179 21.5 17.0 25.6

108 16.9 13.5 20.3

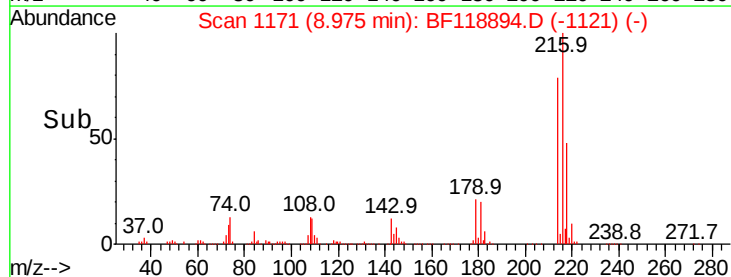
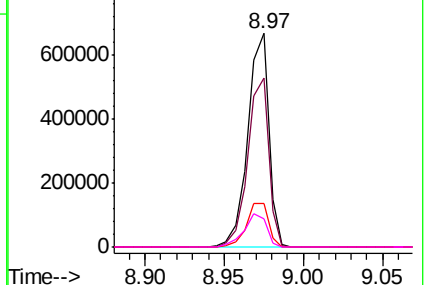


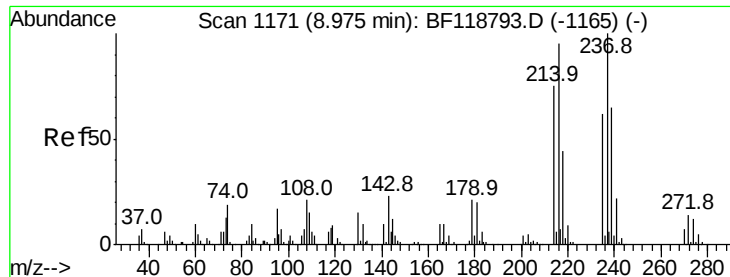
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 48.895 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

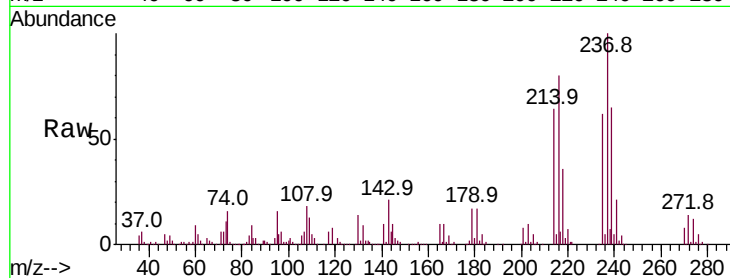
Tot Ion:237 Resp: 283479

Ion Ratio Lower Upper

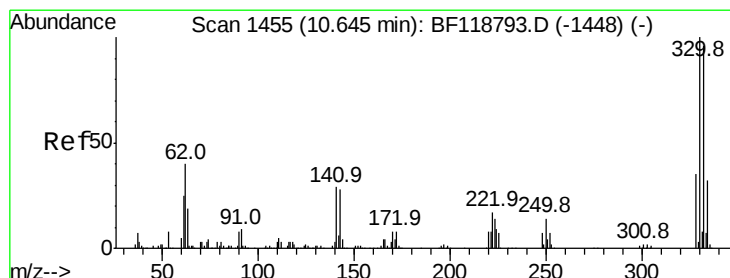
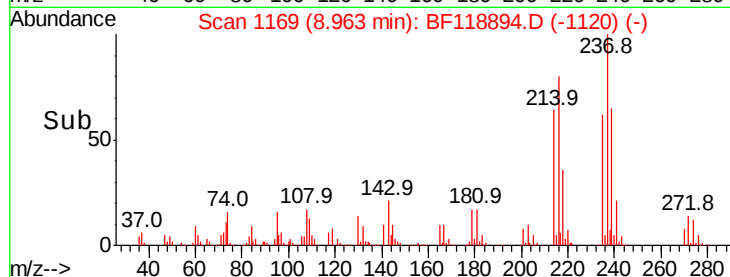
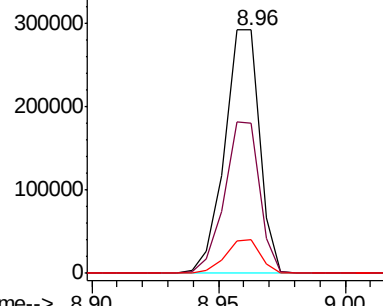
237 100

235 61.6 42.1 82.1

272 13.7 0.0 34.4



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 116.150 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

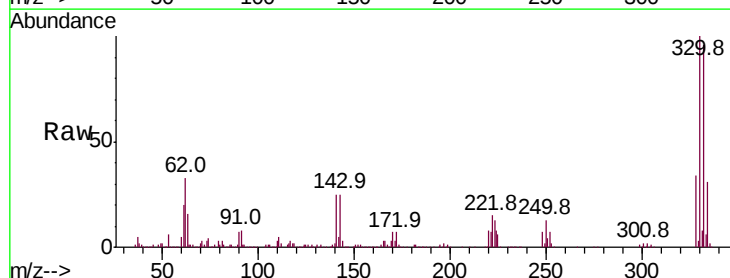
Tgt Ion:330 Resp: 680857

Ion Ratio Lower Upper

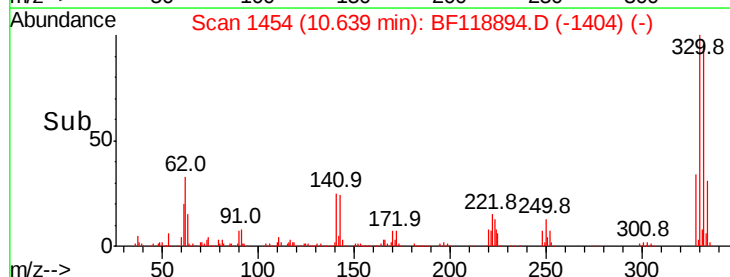
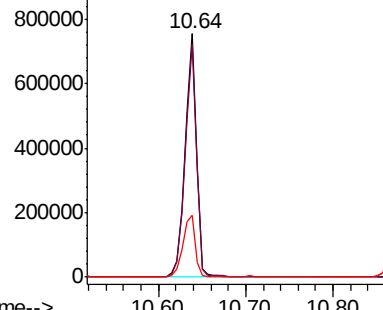
330 100

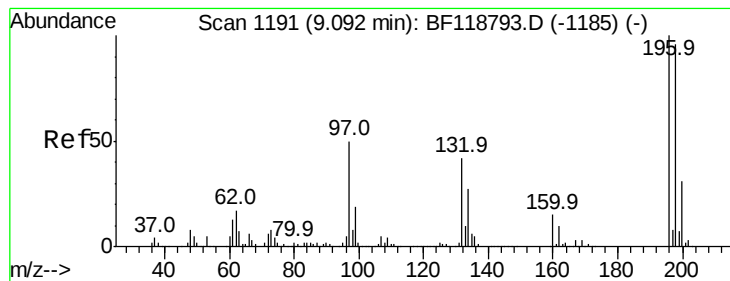
332 95.6 77.3 115.9

141 27.3 22.4 33.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 43.509 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

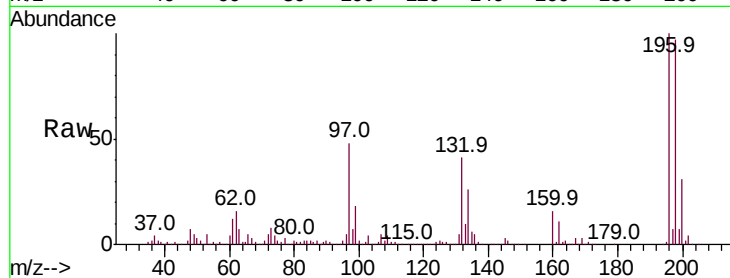
Tot Ion:196 Resp: 430185

Ion Ratio Lower Upper

196 100

198 96.7 76.7 115.1

200 31.0 24.9 37.3

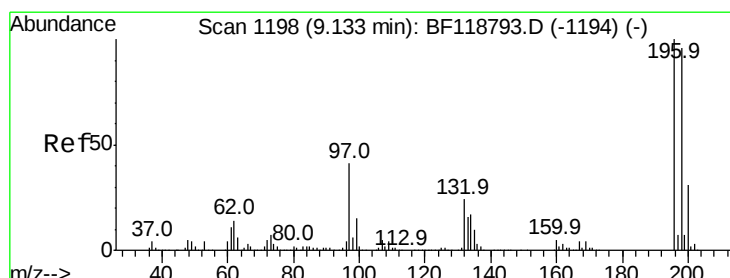
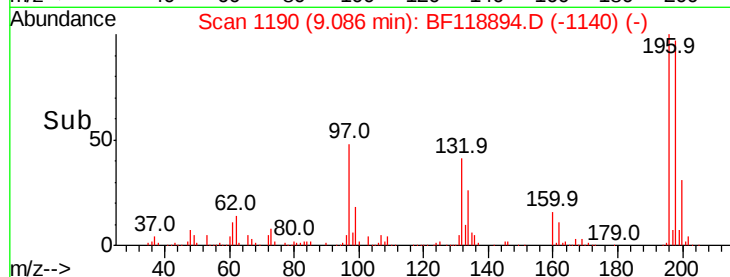
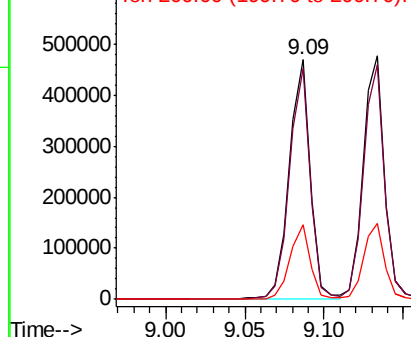


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 44.444 ng

RT: 9.13 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:196 Resp: 448997

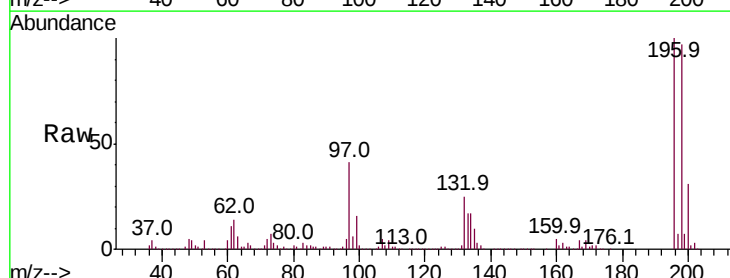
Ion Ratio Lower Upper

196 100

198 96.6 77.0 115.4

97 40.9 32.9 49.3

132 25.5 19.9 29.9



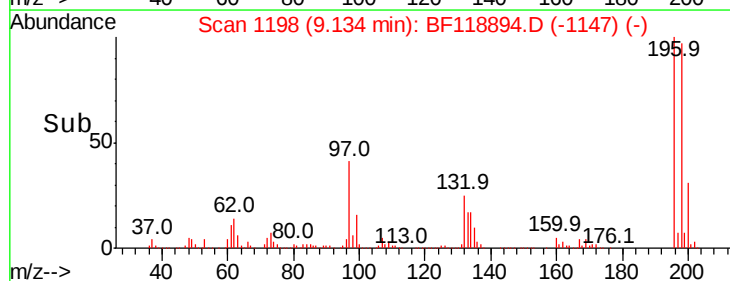
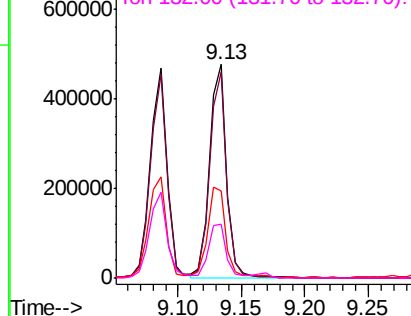
Abundance

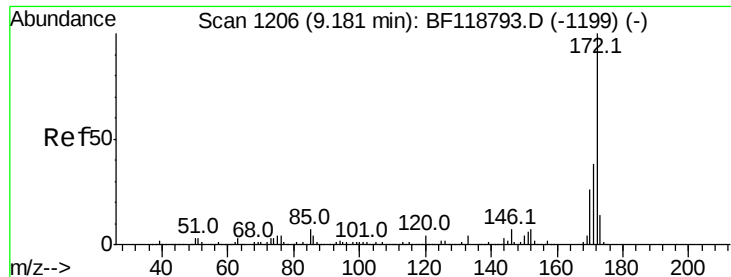
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

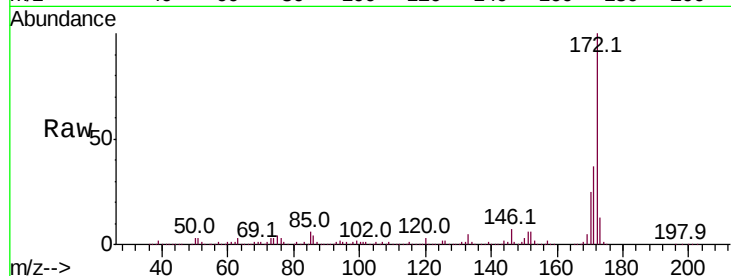




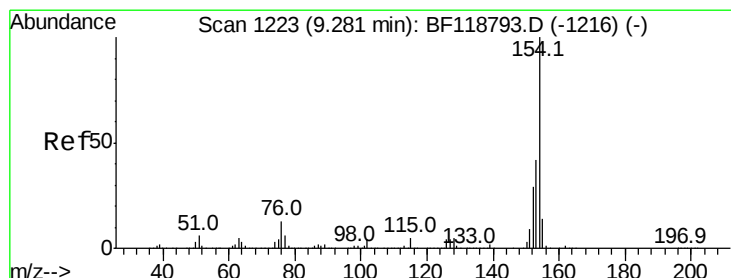
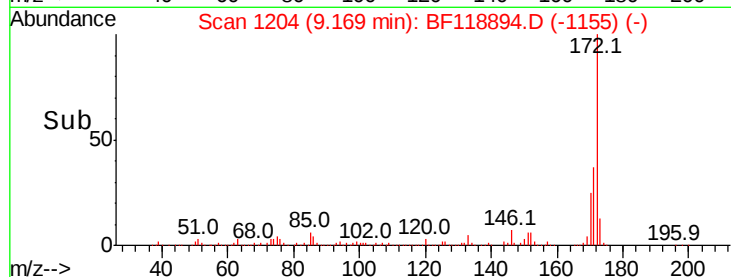
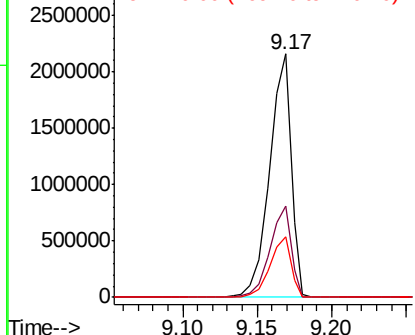
#45
2-Fluorobiphenyl
Concen: 78.600 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion:172 Resp: 2153989
Ion Ratio Lower Upper
172 100
171 37.5 30.8 46.2
170 24.9 20.5 30.7

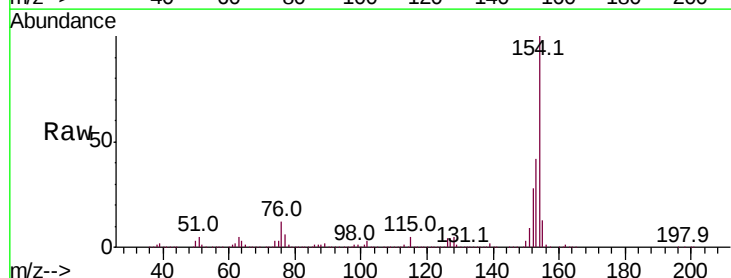


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

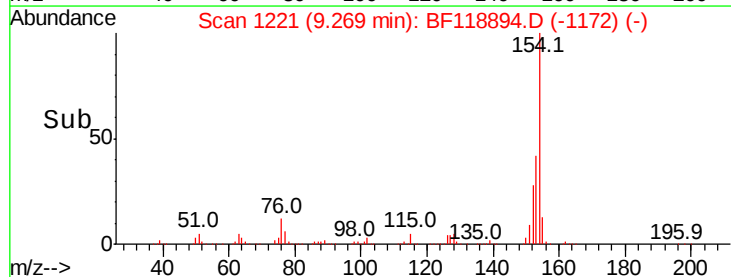
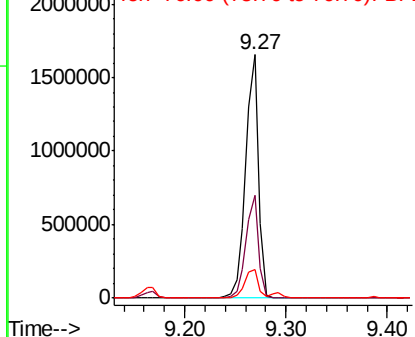


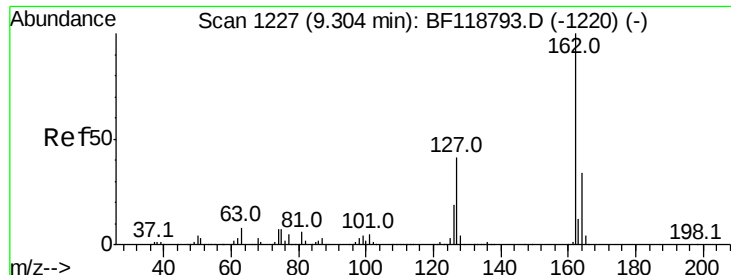
#46
1,1'-Biphenyl
Concen: 43.094 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:154 Resp: 1460421
Ion Ratio Lower Upper
154 100
153 42.0 22.4 62.4
76 11.8 0.0 32.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

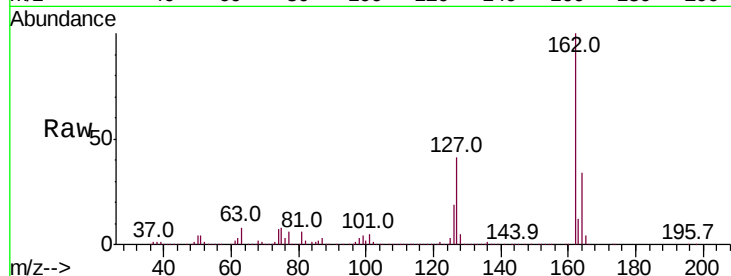




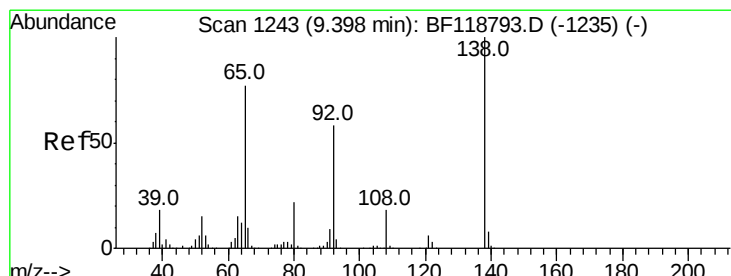
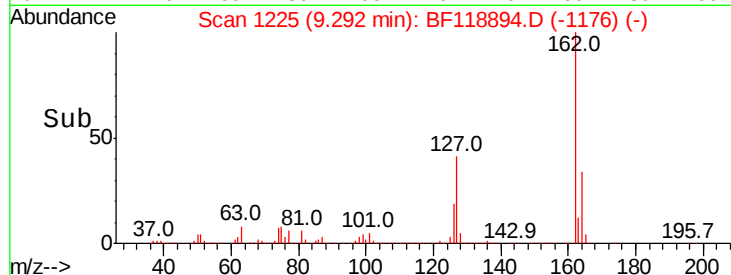
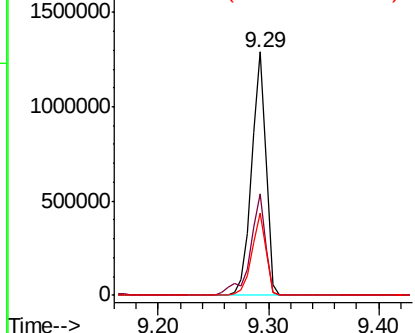
#47
 2-Chloronaphthalene
 Concen: 41.812 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

Tot Ion:162 Resp: 1177978
 Ion Ratio Lower Upper
 162 100
 127 41.4 33.3 49.9
 164 33.6 27.1 40.7

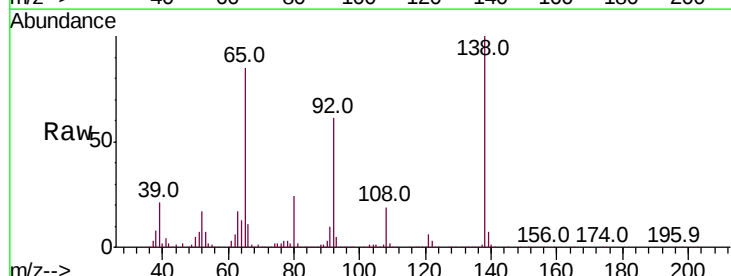


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

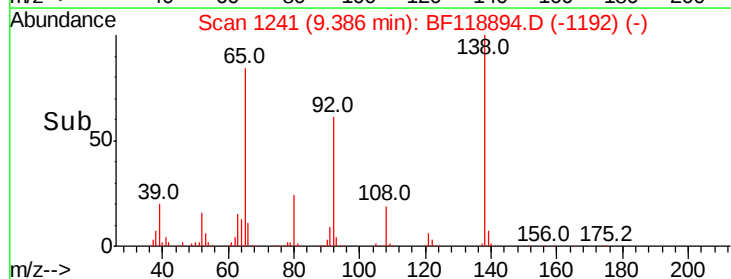
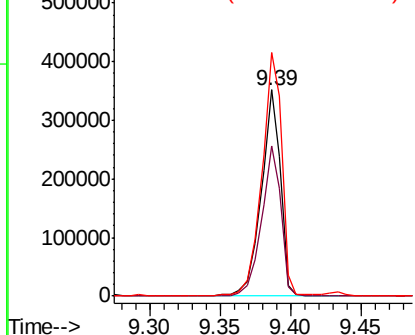


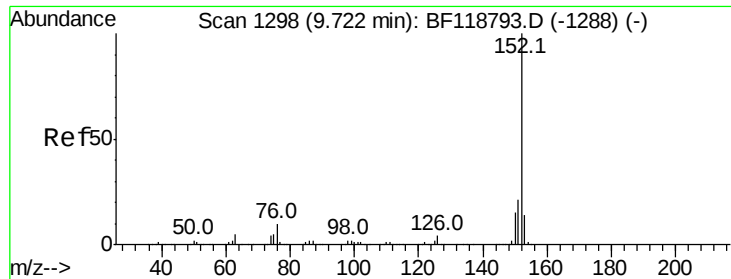
#48
 2-Nitroaniline
 Concen: 41.549 ng
 RT: 9.39 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion: 65 Resp: 337613
 Ion Ratio Lower Upper
 65 100
 92 72.5 60.6 91.0
 138 117.9 104.6 156.8



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 44.919 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

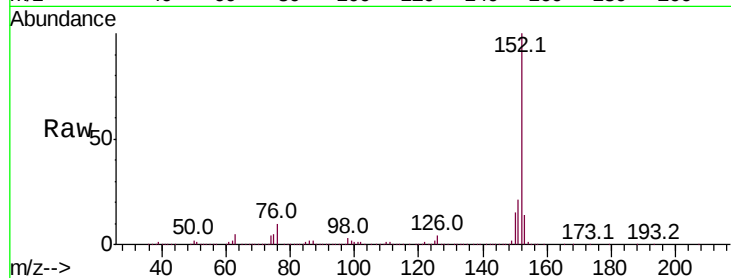
Tot Ion:152 Resp: 1827204

Ion Ratio Lower Upper

152 100

151 21.2 17.1 25.7

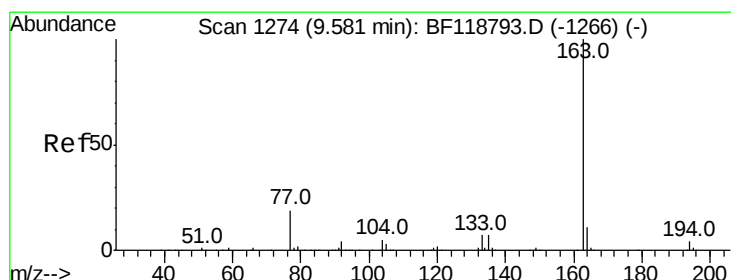
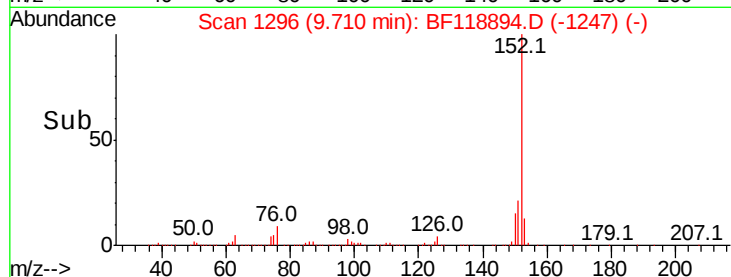
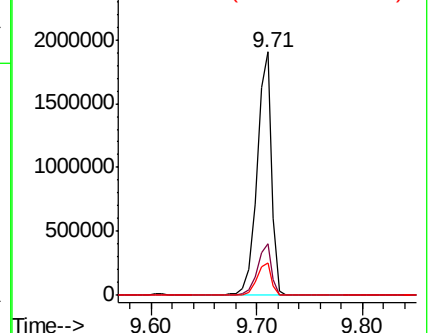
153 13.5 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 47.244 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

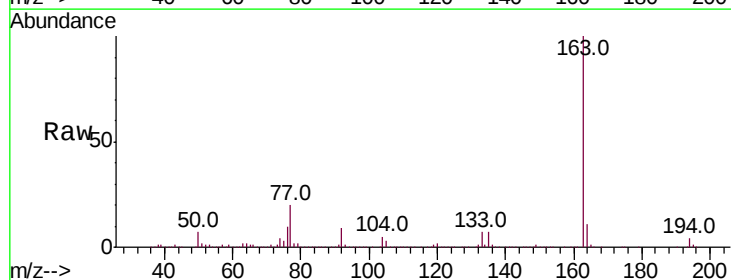
Tgt Ion:163 Resp: 1575977

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

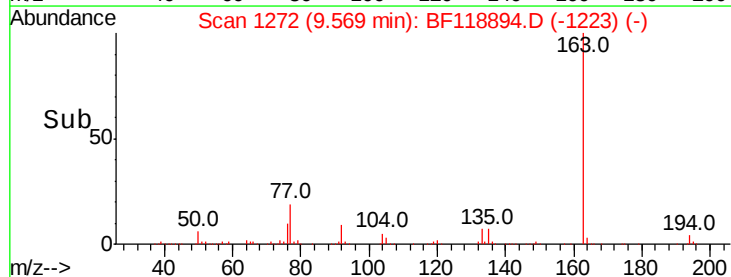
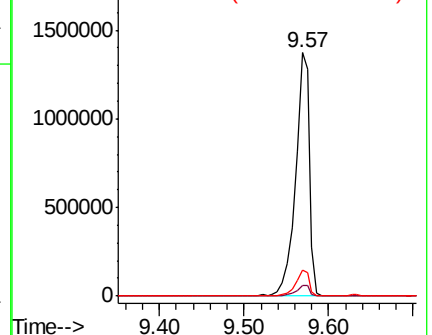
164 10.6 8.7 13.1

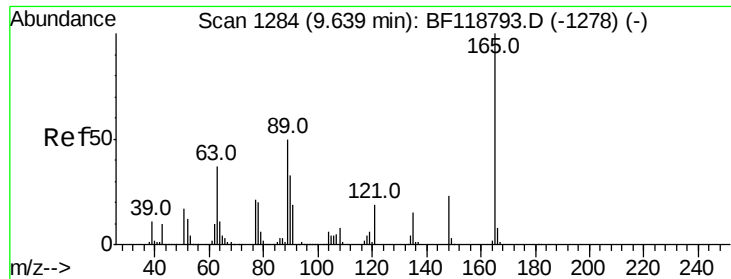


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

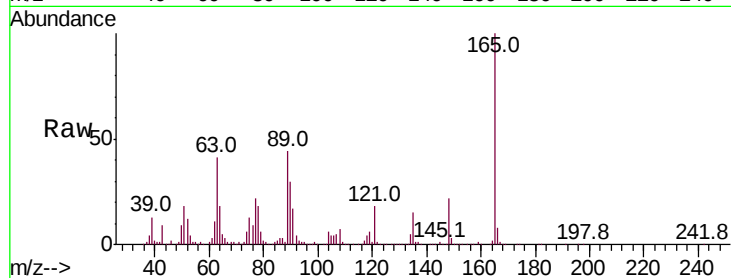




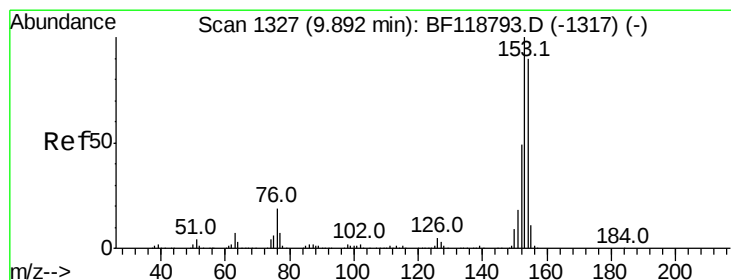
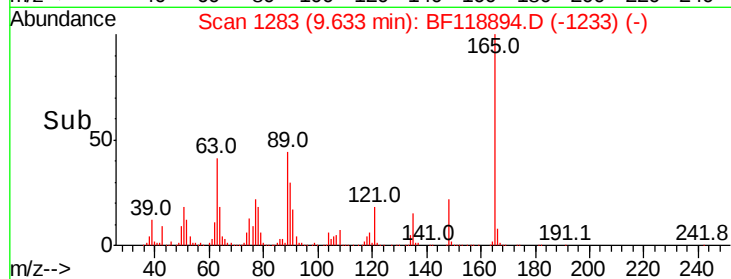
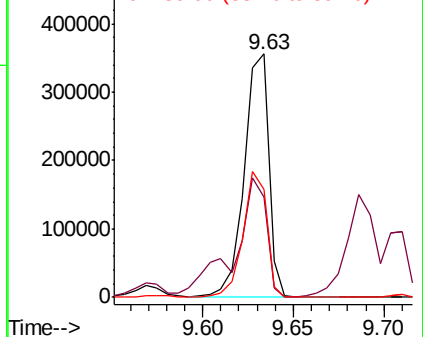
#51
 2,6-Dinitrotoluene
 Concen: 43.928 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

Tot Ion:165 Resp: 335288
 Ion Ratio Lower Upper
 165 100
 63 41.1 37.4 56.0
 89 44.3 39.7 59.5

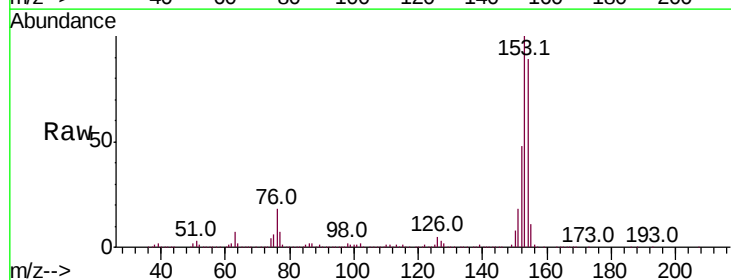


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

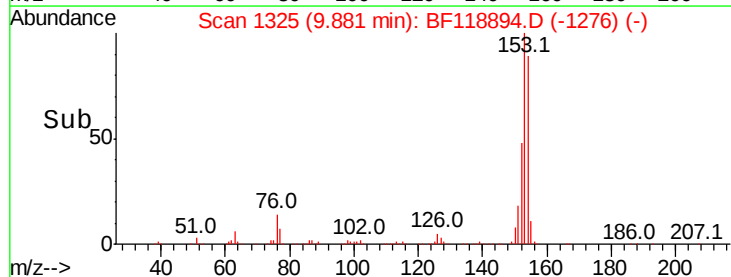
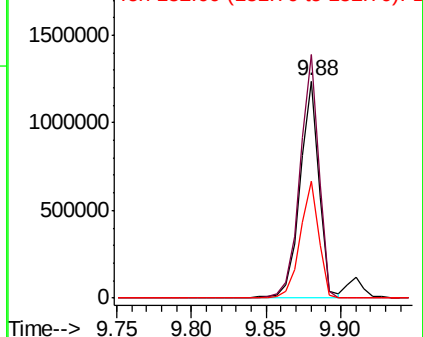


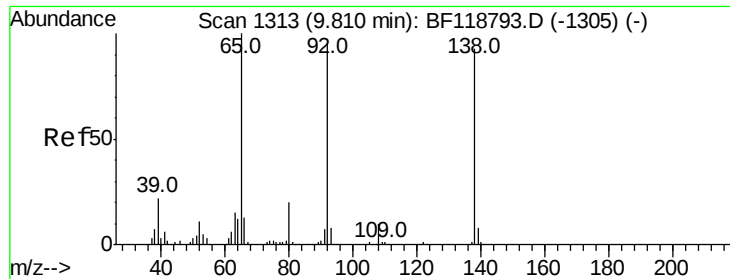
#52
 Acenaphthene
 Concen: 41.042 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion:154 Resp: 1100139
 Ion Ratio Lower Upper
 154 100
 153 112.2 89.4 134.0
 152 54.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

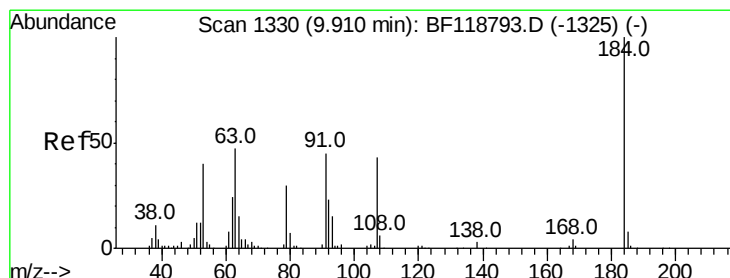
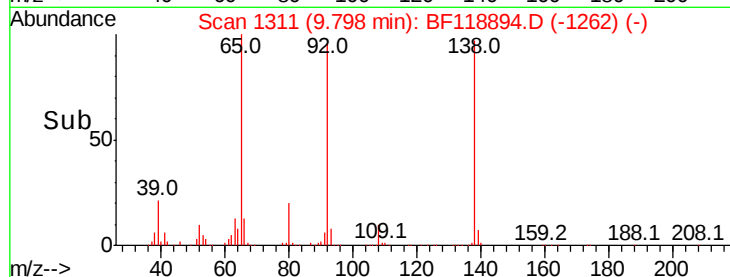
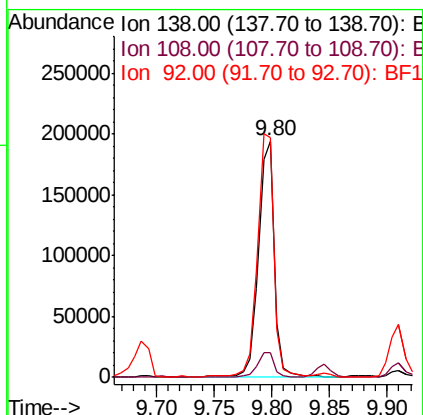
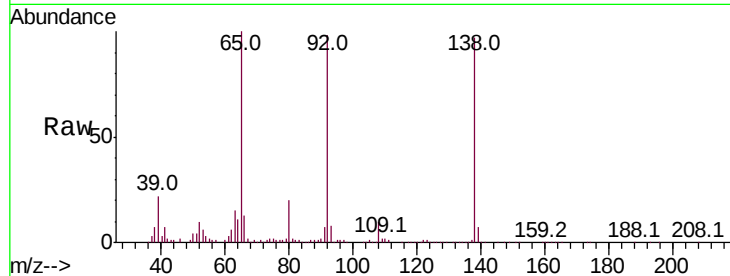




#53
3-Nitroaniline
Concen: 21.993 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

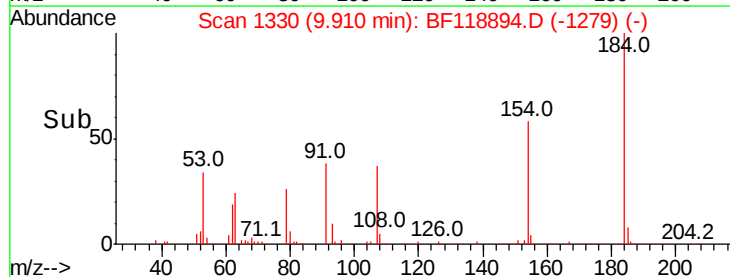
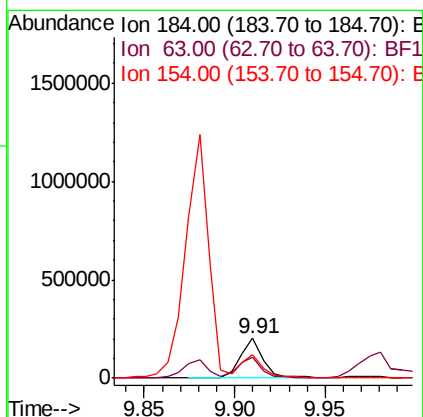
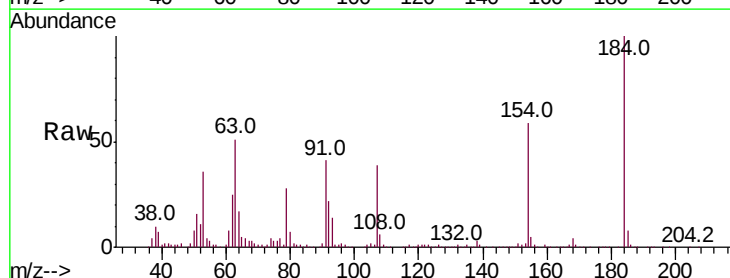
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

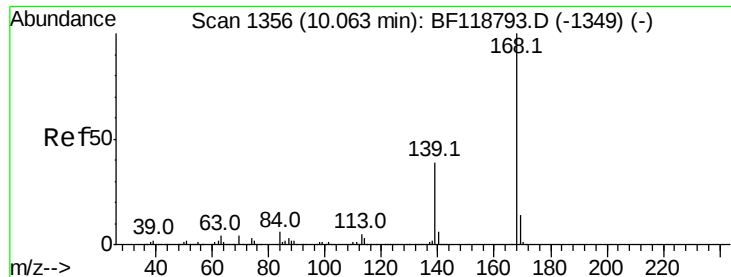
Tot Ion:138 Resp: 186169
Ion Ratio Lower Upper
138 100
108 10.3 8.5 12.7
92 101.4 82.2 123.4



#54
2,4-Dinitrophenol
Concen: 50.444 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:184 Resp: 185094
Ion Ratio Lower Upper
184 100
63 51.3 47.5 71.3
154 58.6 48.6 72.8

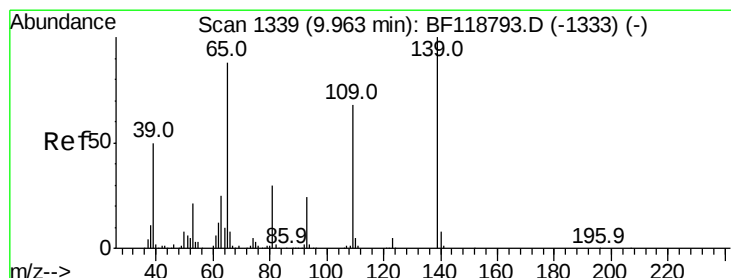
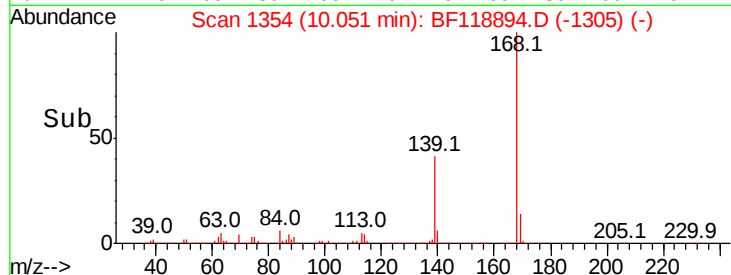
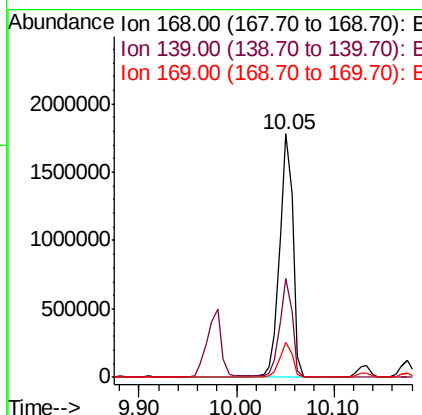
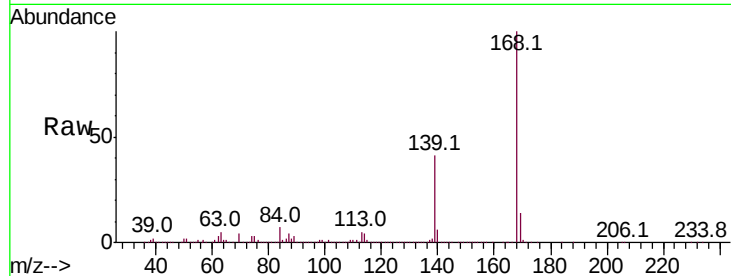




#55
Dibenzofuran
Concen: 43.453 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

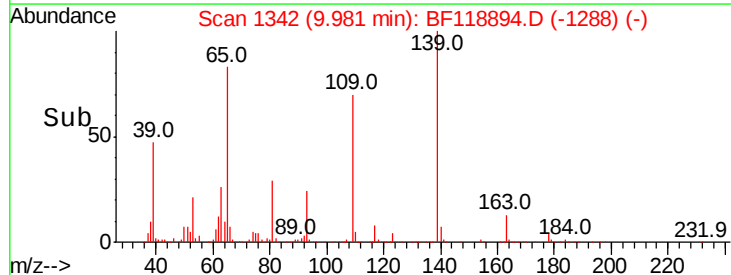
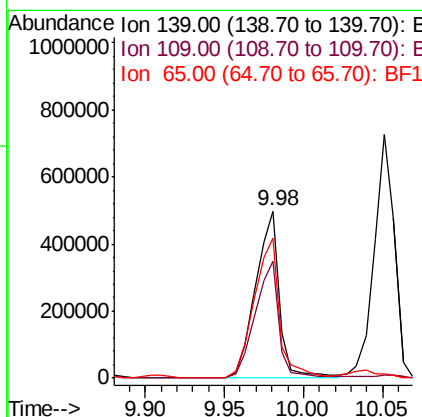
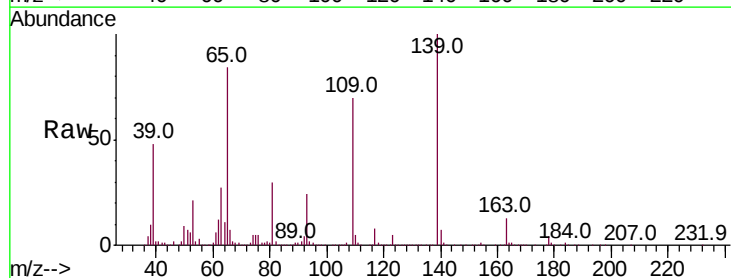
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

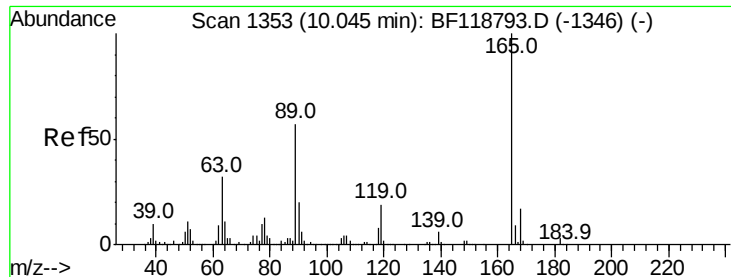
Tot Ion:168 Resp: 1683285
Ion Ratio Lower Upper
168 100
139 40.8 31.6 47.4
169 14.1 11.4 17.2



#56
4-Nitrophenol
Concen: 85.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.02 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:139 Resp: 520739
Ion Ratio Lower Upper
139 100
109 69.7 48.0 88.0
65 83.6 68.3 108.3

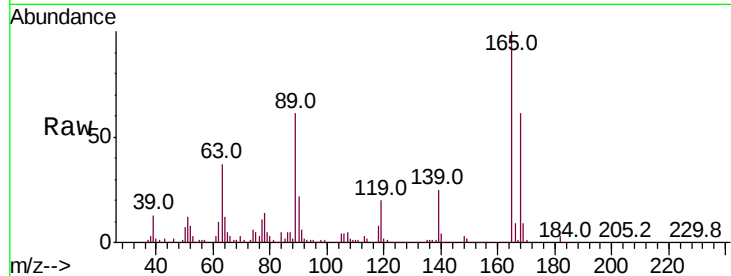




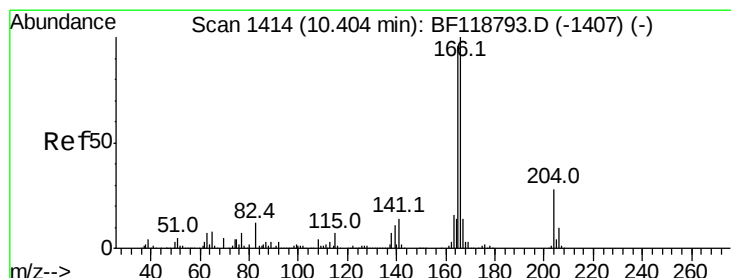
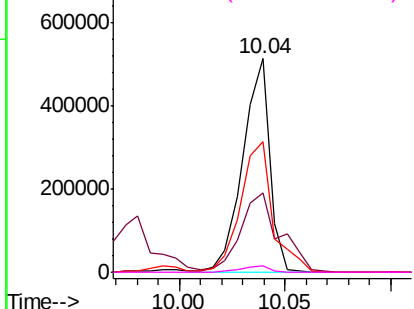
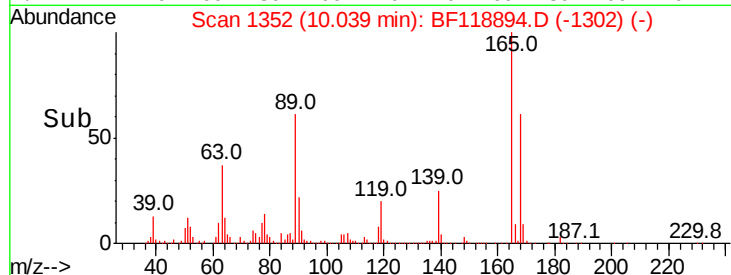
#57
2,4-Dinitrotoluene
Concen: 44.799 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	37.0	25.5	38.3
89	61.3	45.4	68.0
182	3.1	2.4	3.6

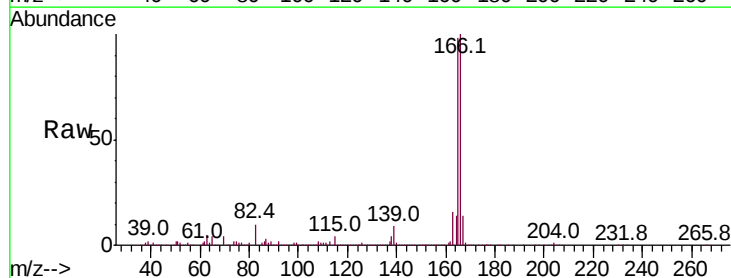


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

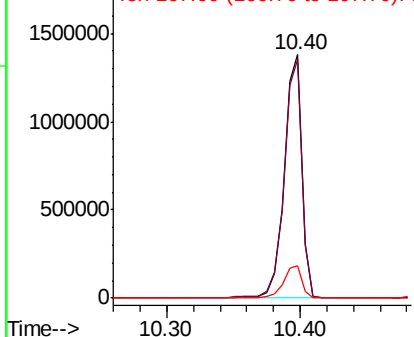
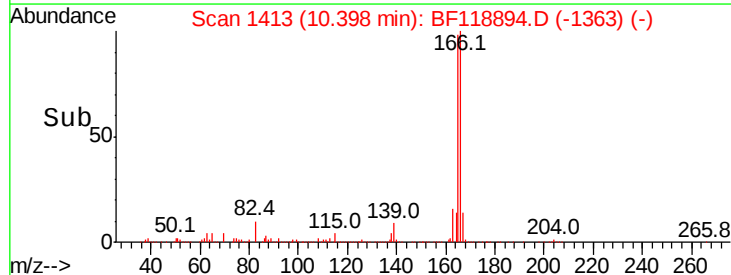


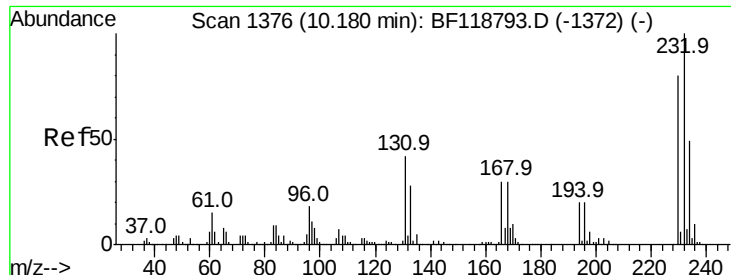
#58
Fluorene
Concen: 44.094 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.0	115.6
167	13.5	11.1	16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

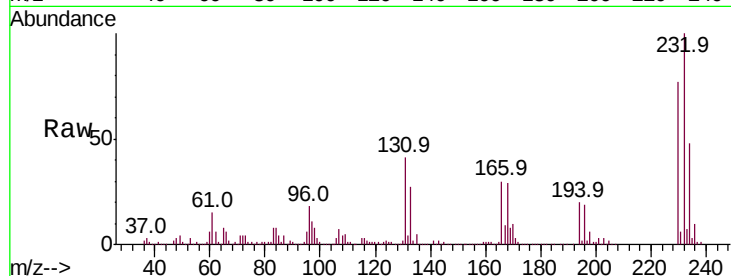




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.034 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

Tot Ion:	232	Resp:	388506
Ion	Ratio	Lower	Upper
232	100		
131	40.5	31.8	47.6
130	2.2	1.6	2.4
166	28.6	23.1	34.7



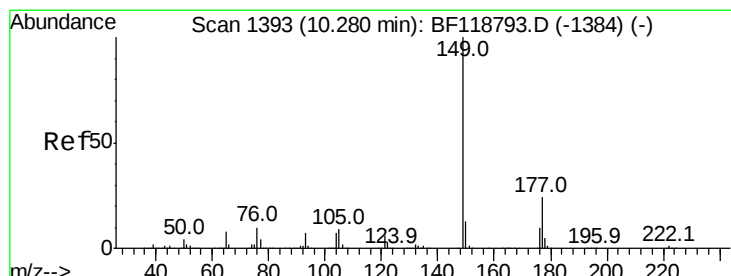
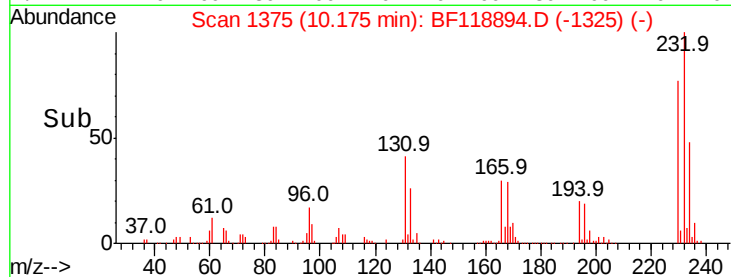
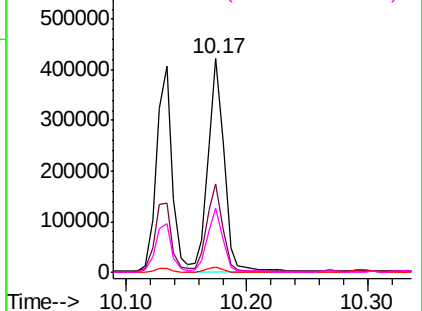
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

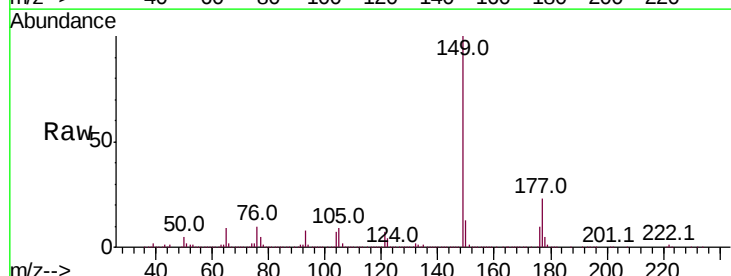
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 44.200 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion:	149	Resp:	1433706
Ion	Ratio	Lower	Upper
149	100		
177	22.9	19.3	28.9
150	13.1	10.4	15.6

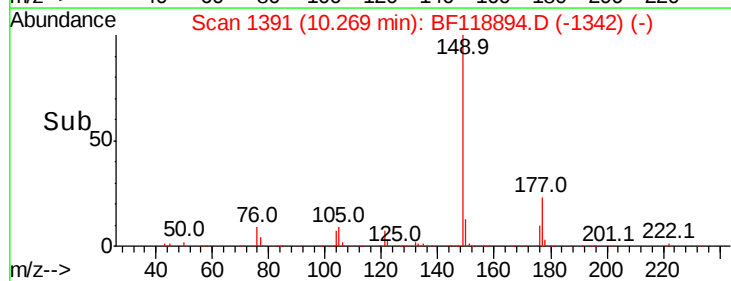
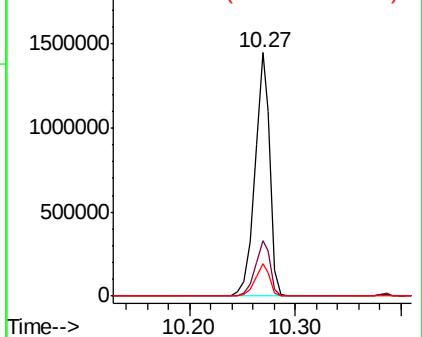


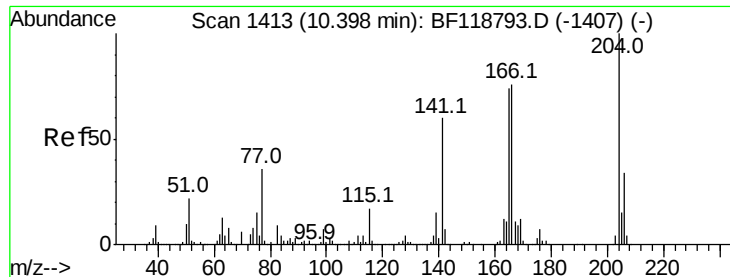
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

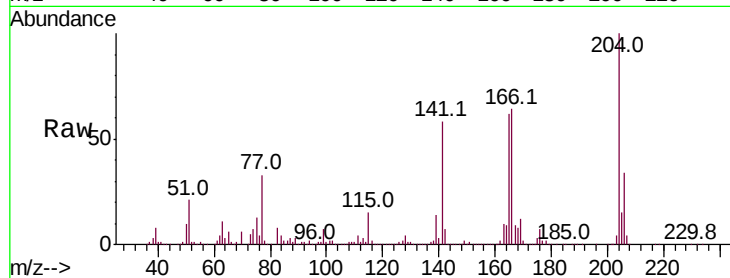




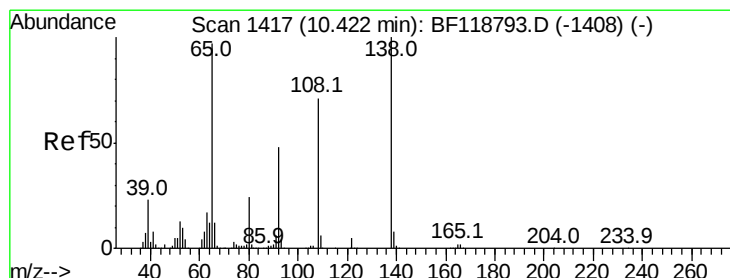
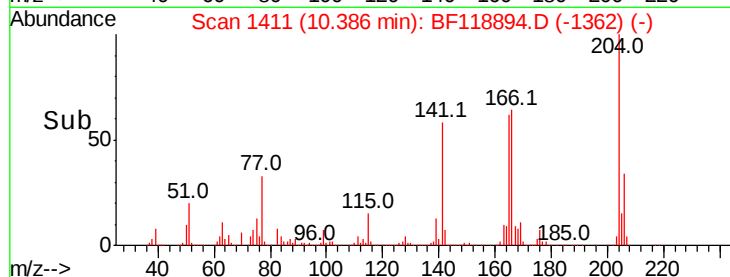
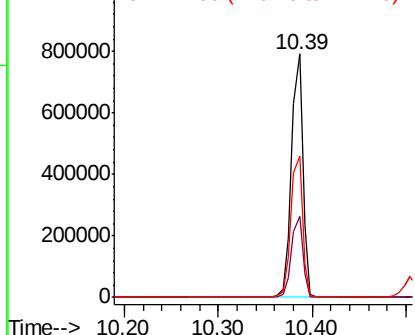
#61
4-Chlorophenyl-phenylether
Concen: 42.598 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampled :
SP-3MSD

Tot Ion:204 Resp: 673255
Ion Ratio Lower Upper
204 100
206 33.5 27.4 41.2
141 58.0 47.8 71.6

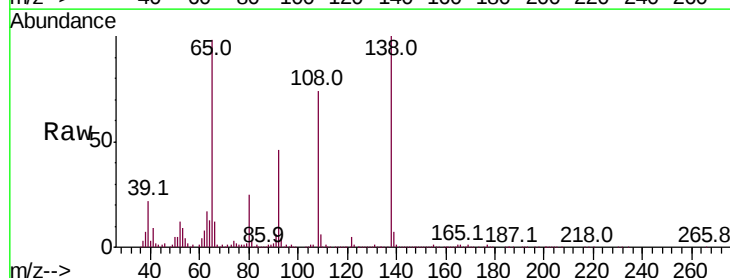


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

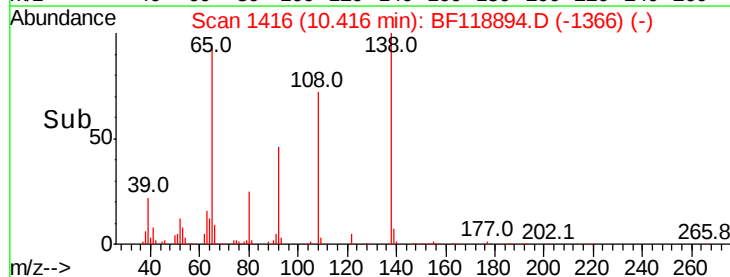
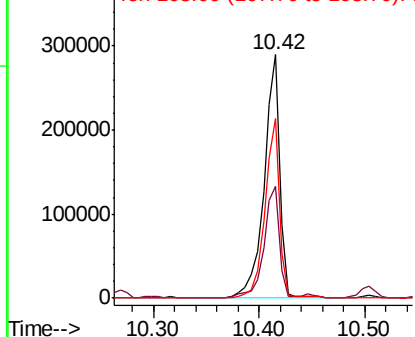


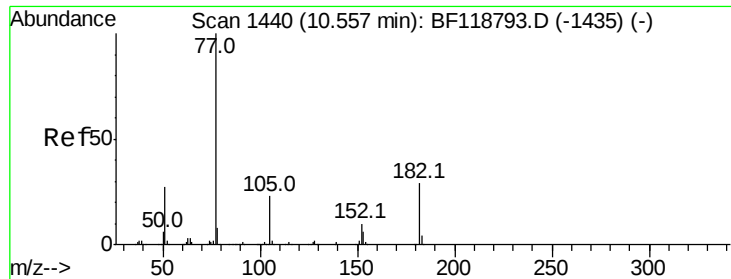
#62
4-Nitroaniline
Concen: 35.202 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:138 Resp: 298399
Ion Ratio Lower Upper
138 100
92 46.1 27.6 67.6
108 73.5 51.3 91.3



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

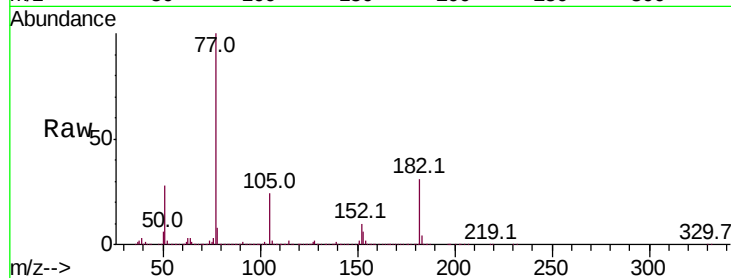




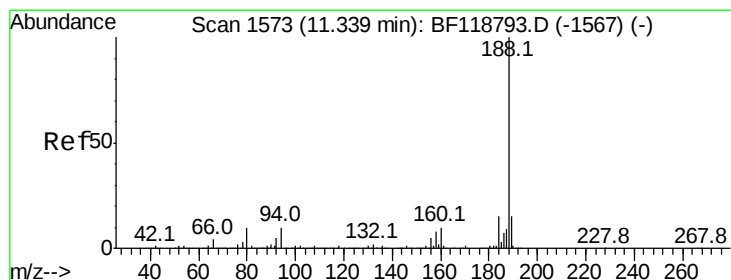
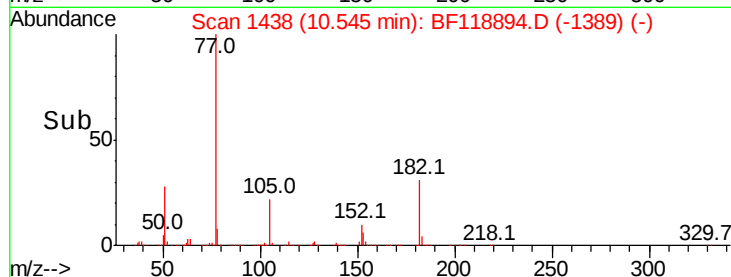
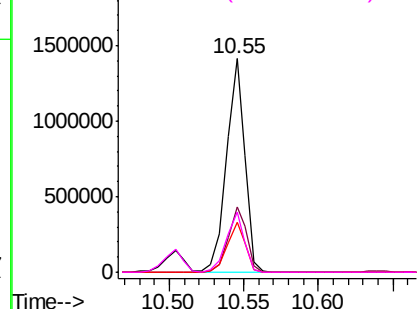
#63
Azobenzene
Concen: 44.113 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion: 77 Resp: 1221587
Ion Ratio Lower Upper
77 100
182 30.5 9.2 49.2
105 23.5 3.1 43.1
51 28.3 7.4 47.4

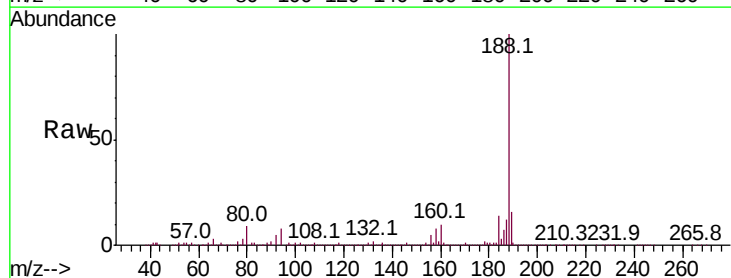


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

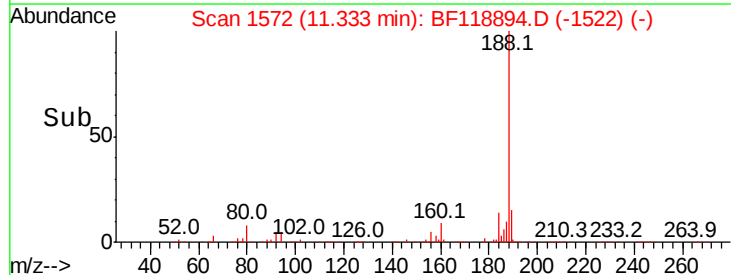
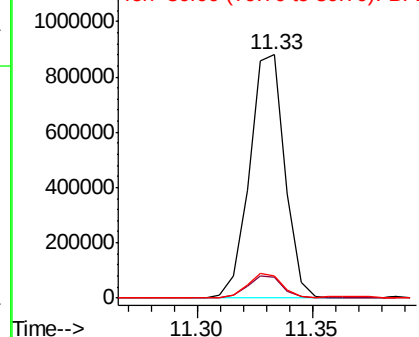


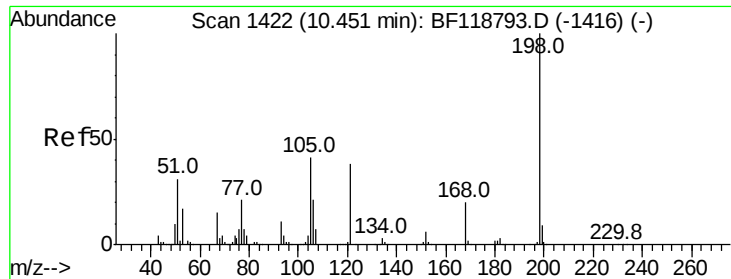
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion: 188 Resp: 935052
Ion Ratio Lower Upper
188 100
94 8.4 7.9 11.9
80 8.9 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

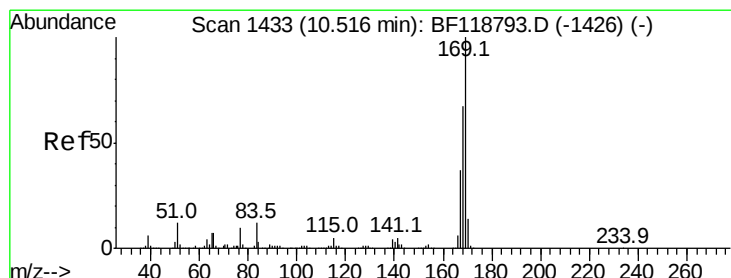
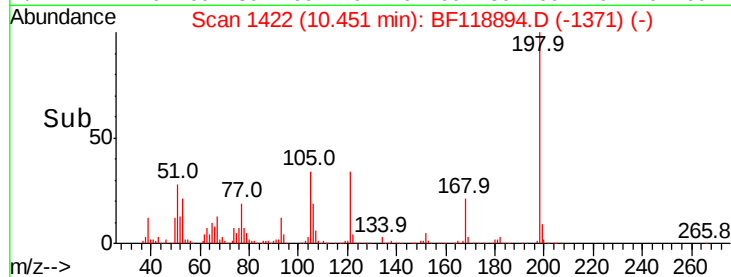
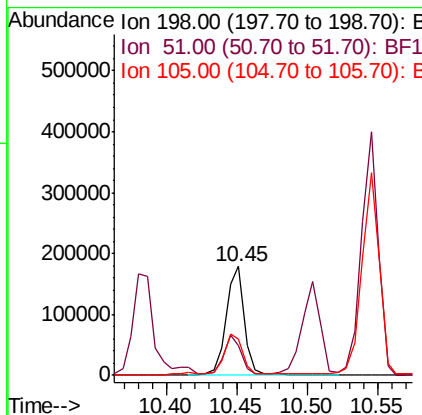
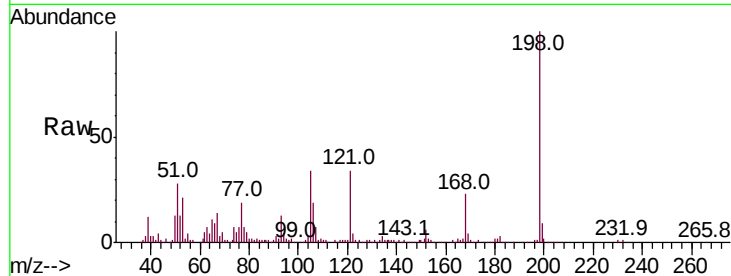




#65
4,6-Dinitro-2-methylphenol
Concen: 30.462 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

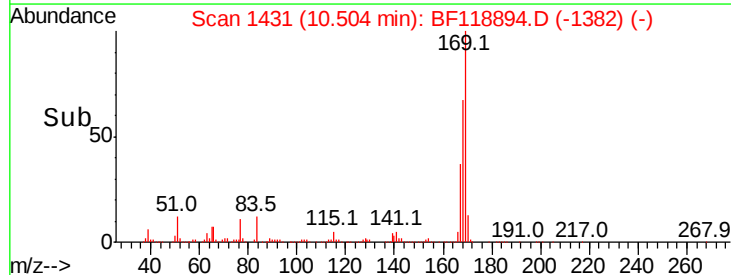
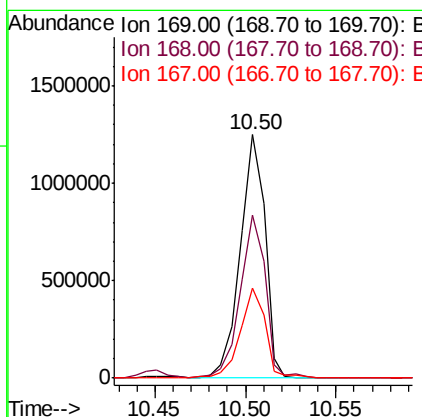
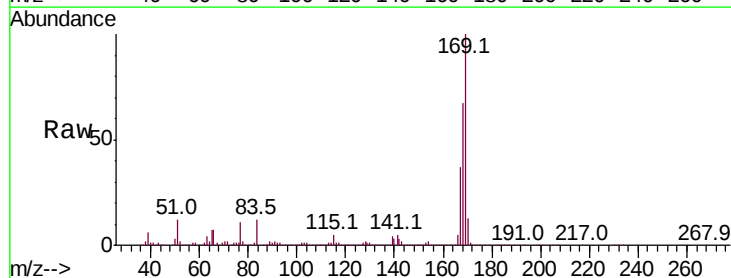
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

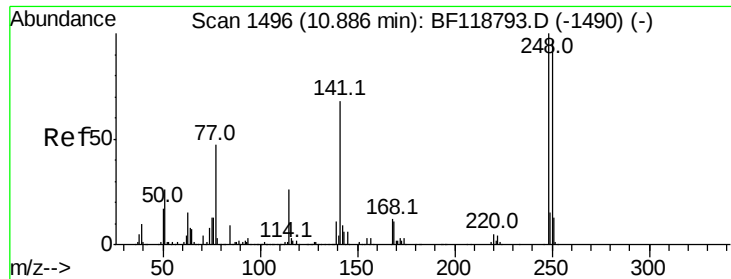
Tot Ion:198 Resp: 160054
Ion Ratio Lower Upper
198 100
51 28.1 16.7 56.7
105 33.9 22.0 62.0



#66
n-Nitrosodiphenylamine
Concen: 43.777 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:169 Resp: 1185685
Ion Ratio Lower Upper
169 100
168 67.0 53.5 80.3
167 36.7 29.3 43.9





#67

4-Bromophenyl-phenylether

Concen: 42.205 ng

RT: 10.87 min Scan# 1494

Delta R.T. -0.01 min

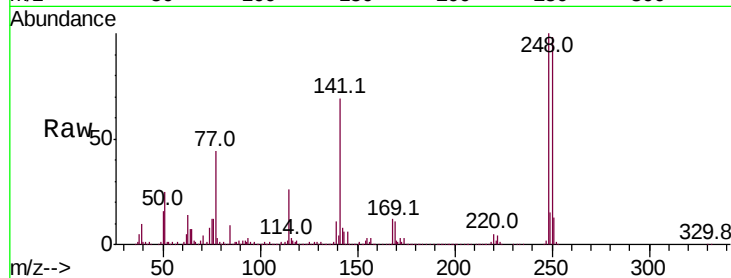
Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion:248 Resp: 466846

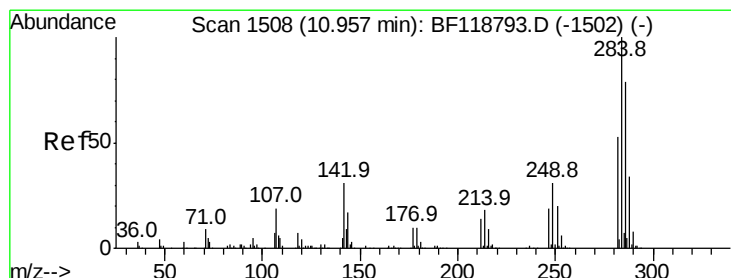
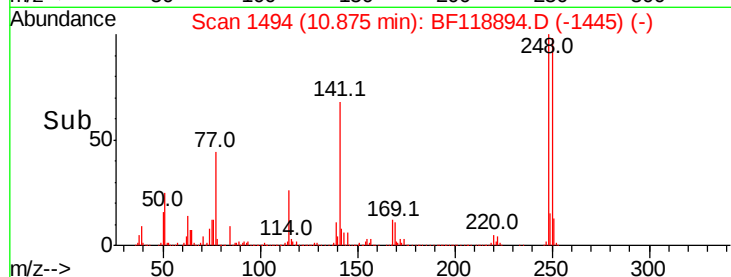
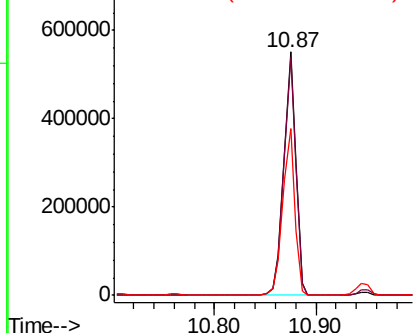
Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.6	116.4
141	68.7	54.4	81.6



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 41.257 ng

RT: 10.95 min Scan# 1507

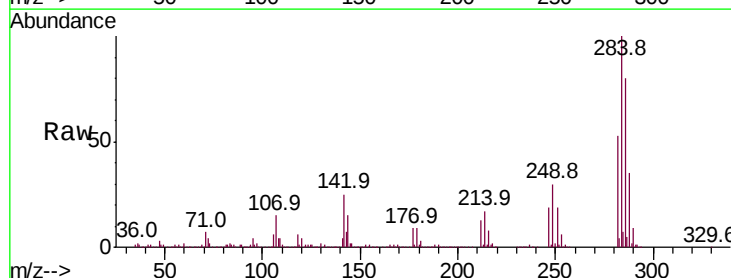
Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:284 Resp: 523434

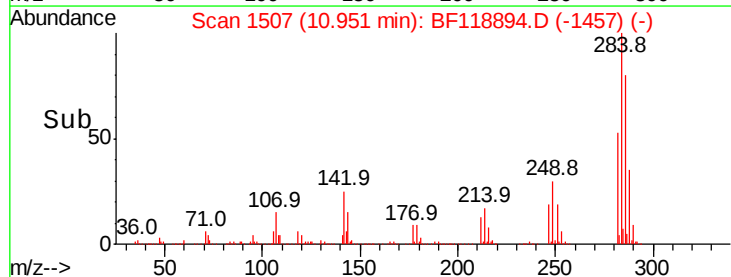
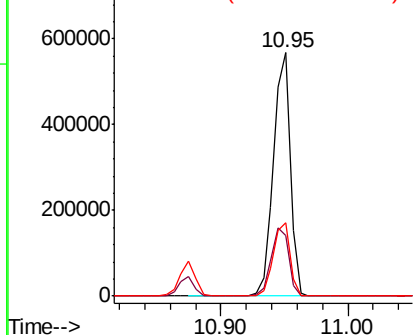
Ion	Ratio	Lower	Upper
284	100		
142	25.1	24.5	36.7
249	30.1	24.7	37.1

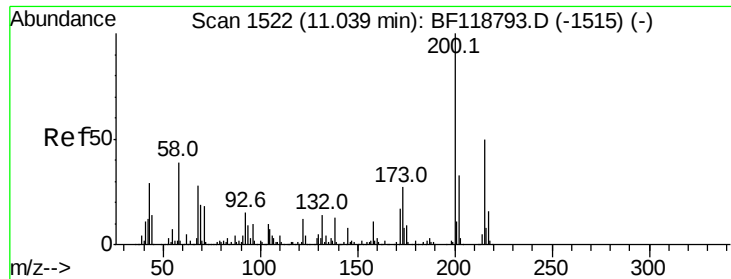


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

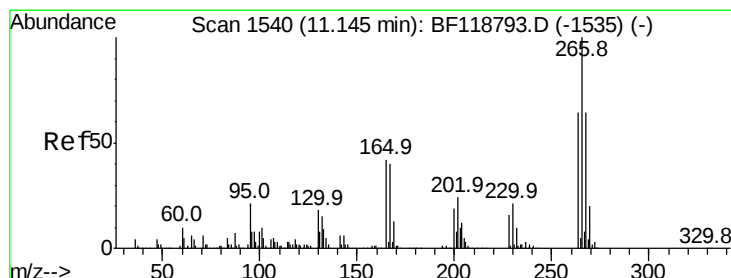
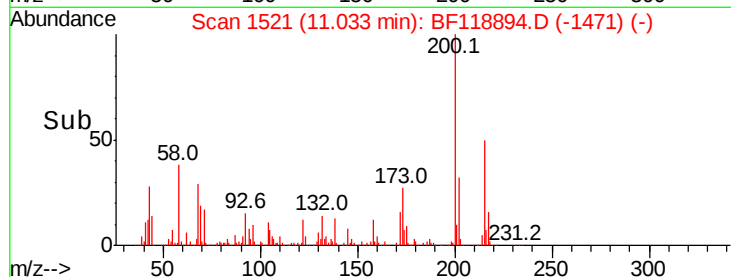
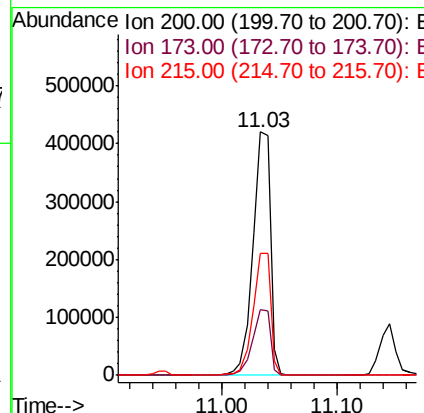
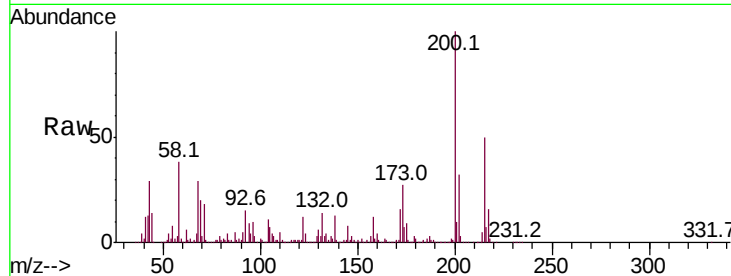




#69
 Atrazine
 Concen: 48.690 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

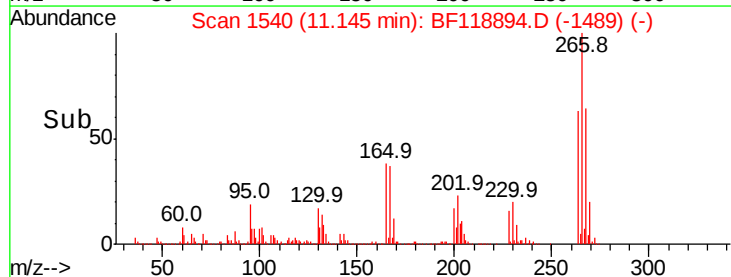
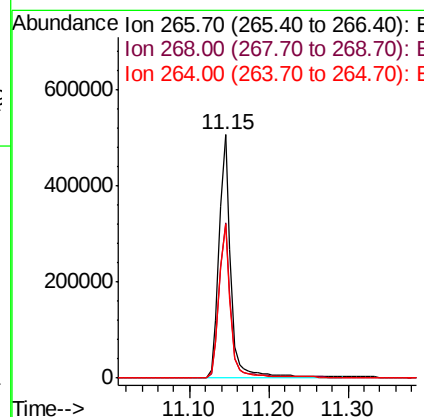
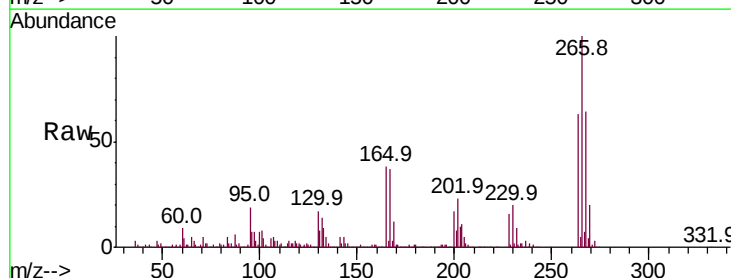
Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

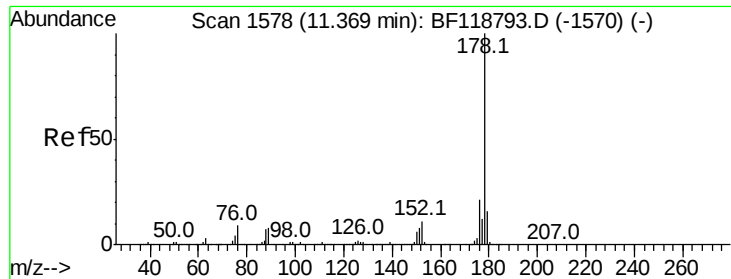
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.5	47.5
215	50.0	29.9	69.9



#70
 Pentachlorophenol
 Concen: 78.583 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. 0.00 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.0	76.6
264	63.3	51.4	77.2





#71

Phenanthrene

Concen: 48.017 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

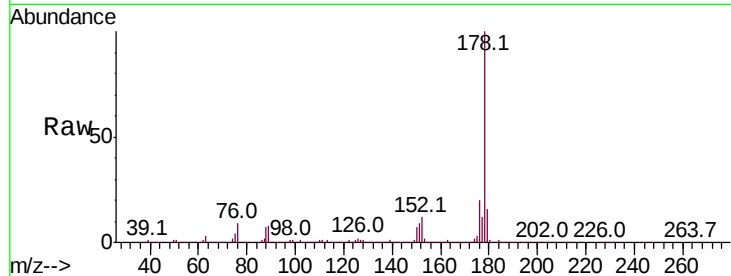
Tot Ion:178 Resp: 2209047

Ion Ratio Lower Upper

178 100

176 20.5 16.6 24.8

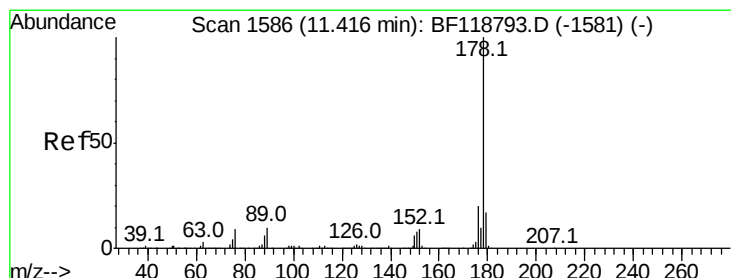
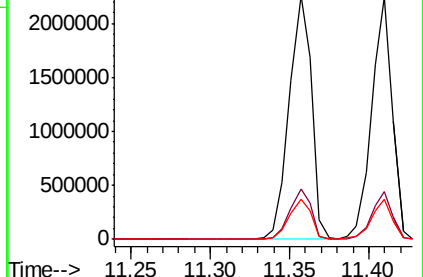
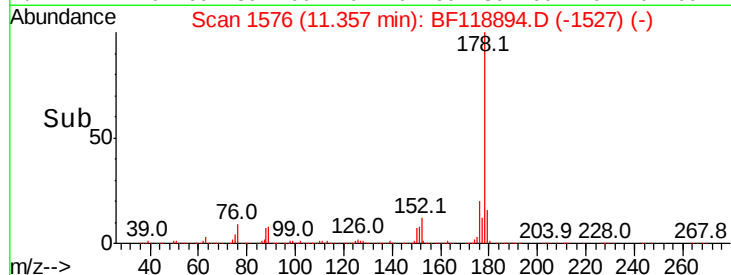
179 16.3 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 44.904 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

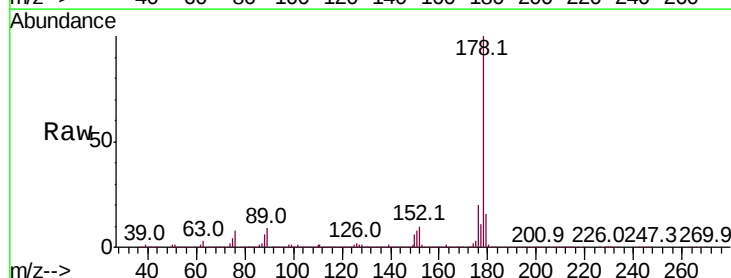
Tgt Ion:178 Resp: 2055166

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.2

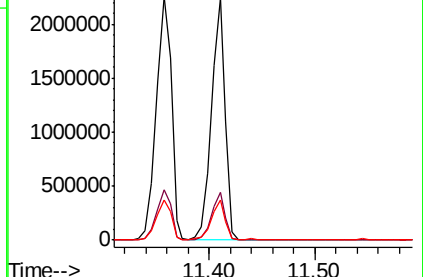
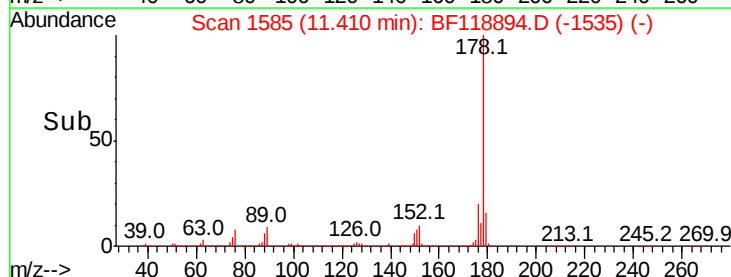
179 16.4 13.4 20.2

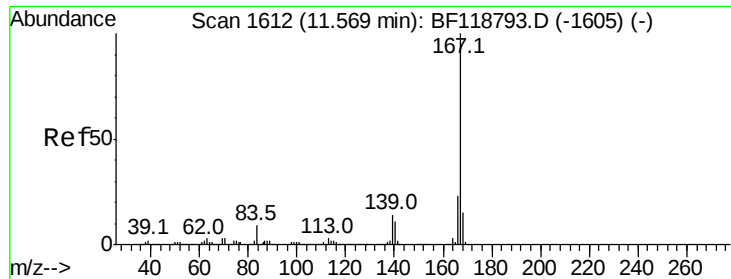


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

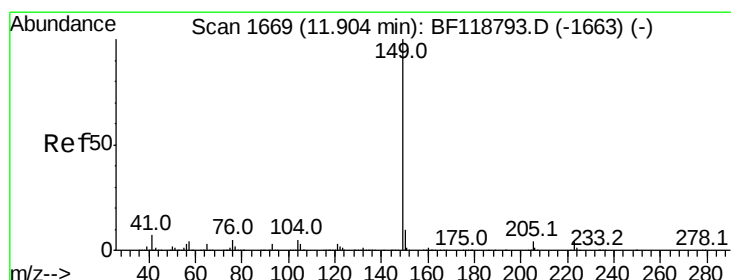
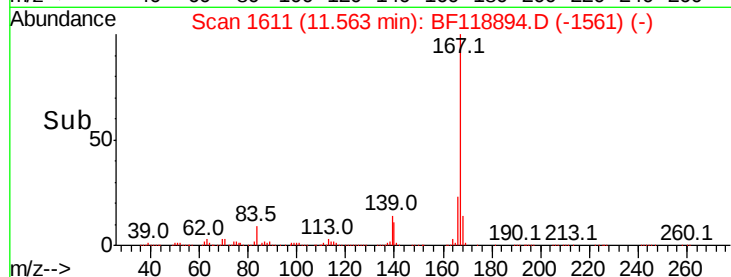
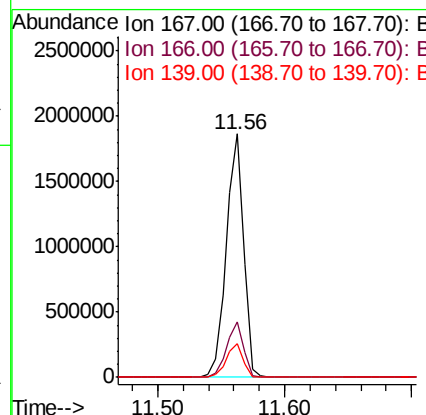
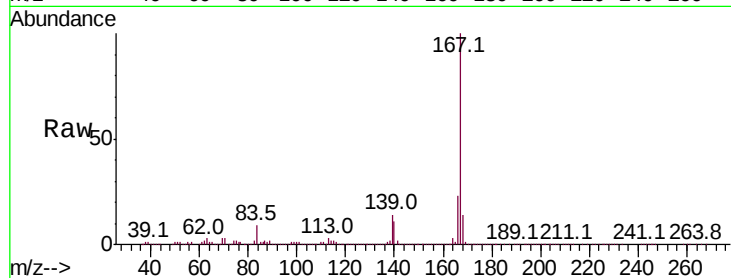




#73
 Carbazole
 Concen: 44.032 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

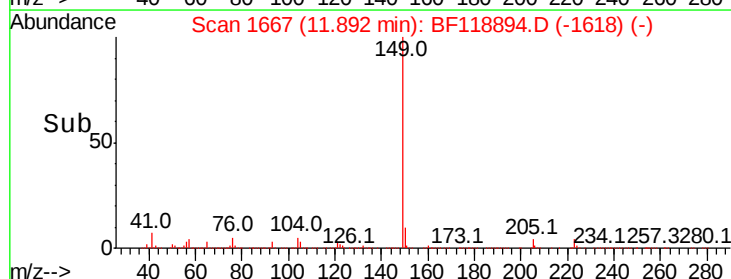
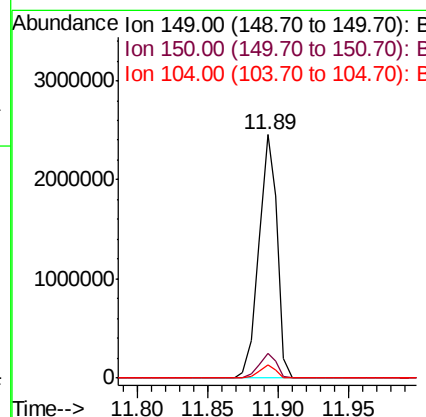
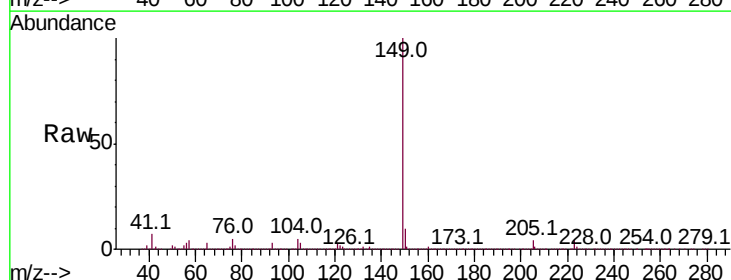
Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

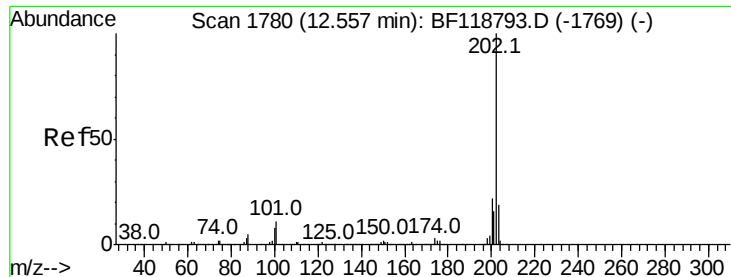
Tot Ion:167 Resp: 1768585
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.4 27.6
 139 14.0 11.1 16.7



#74
 Di-n-butylphthalate
 Concen: 43.472 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion:149 Resp: 2224340
 Ion Ratio Lower Upper
 149 100
 150 9.9 8.1 12.1
 104 5.4 4.3 6.5





#75

Fluoranthene

Concen: 46.627 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

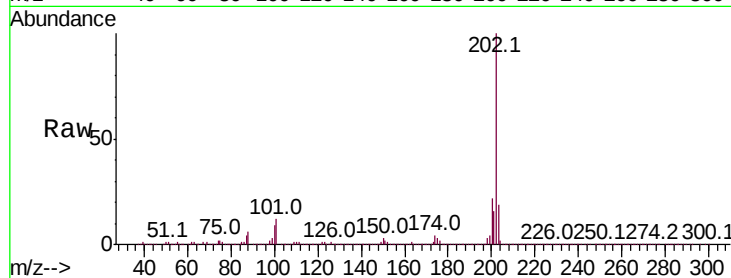
Tot Ion:202 Resp: 2342079

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.0

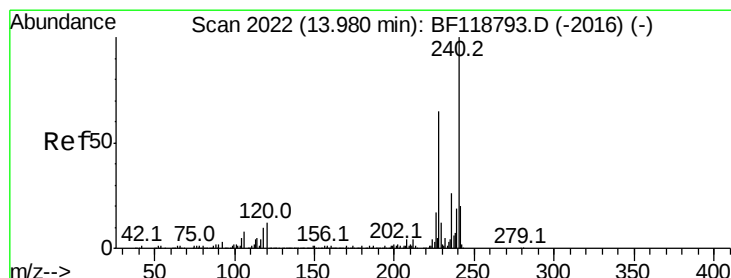
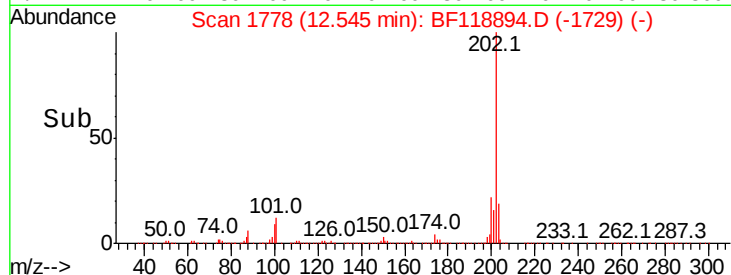
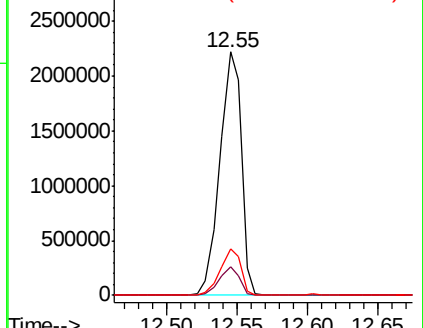
203 18.8 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

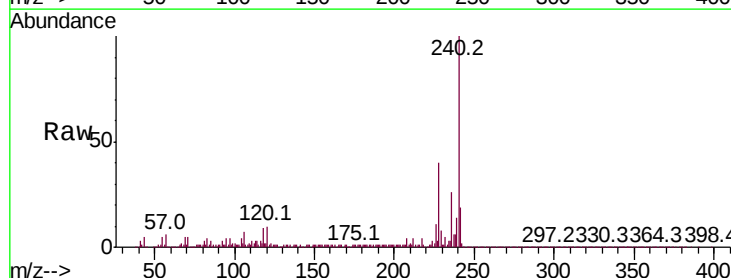
Tgt Ion:240 Resp: 749196

Ion Ratio Lower Upper

240 100

120 10.1 9.4 14.0

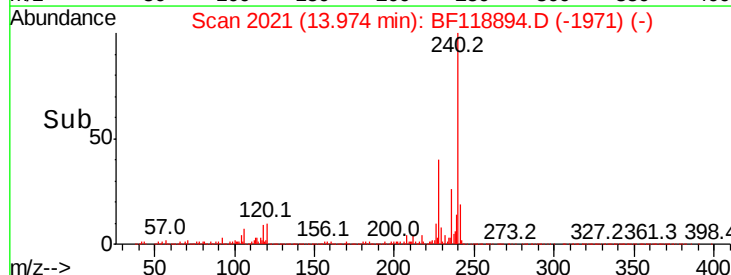
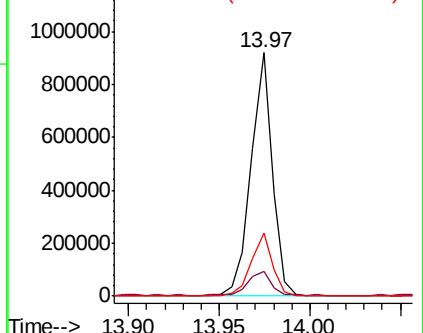
236 25.8 21.0 31.6

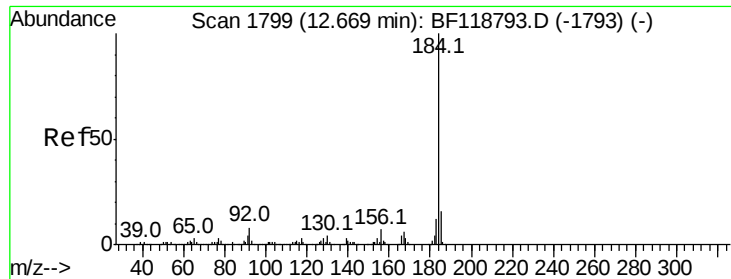


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

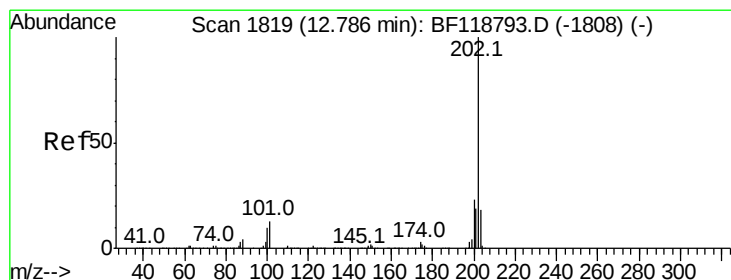
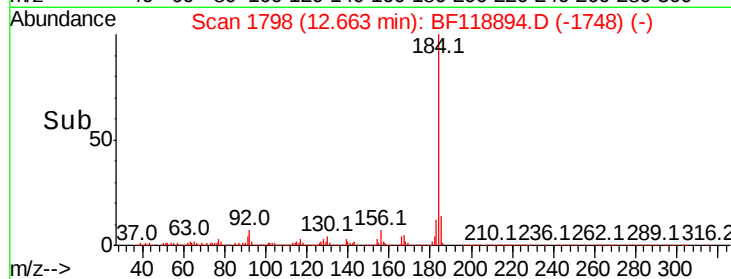
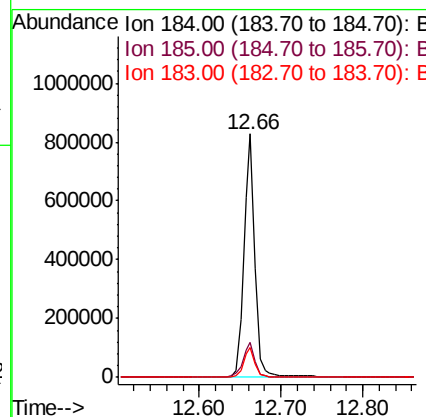
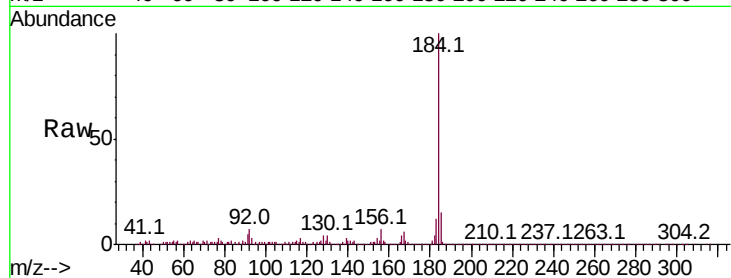




#77
Benzidine
Concen: 34.090 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

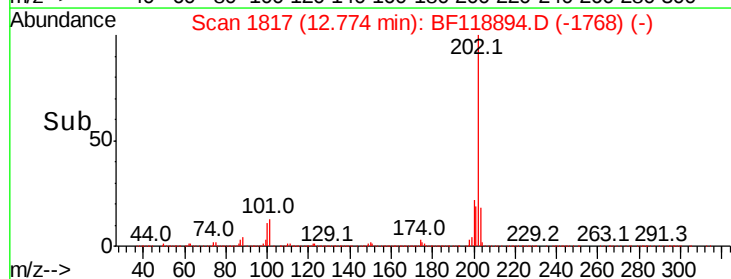
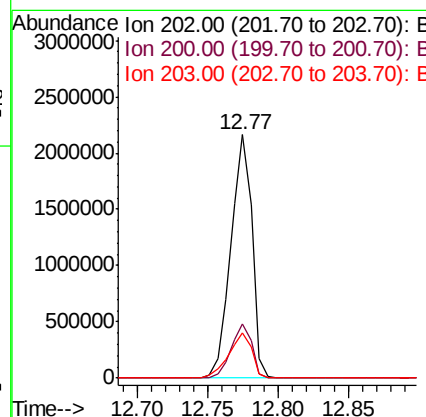
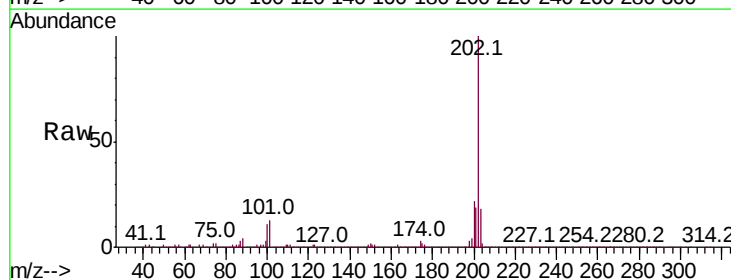
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

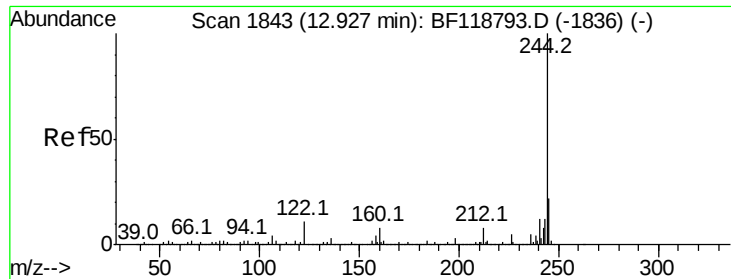
Tot Ion:184 Resp: 772483
Ion Ratio Lower Upper
184 100
185 14.6 12.5 18.7
183 12.4 9.7 14.5



#78
Pyrene
Concen: 43.555 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:202 Resp: 2238596
Ion Ratio Lower Upper
202 100
200 22.3 18.2 27.2
203 18.5 14.8 22.2

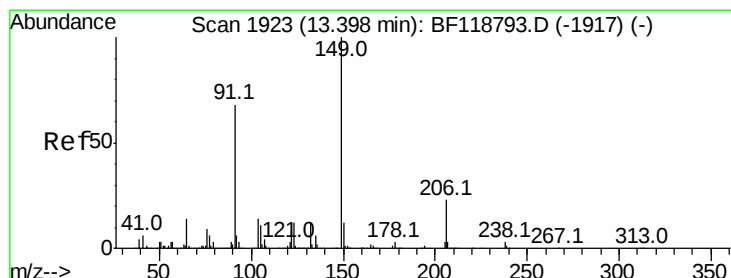
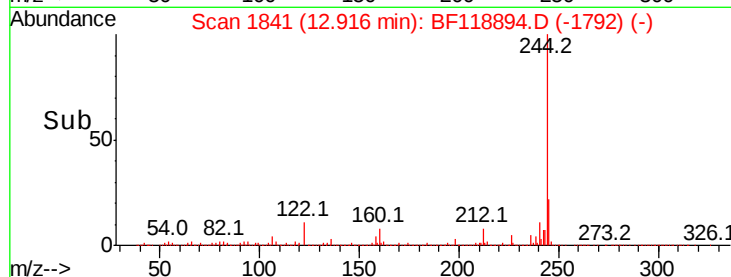
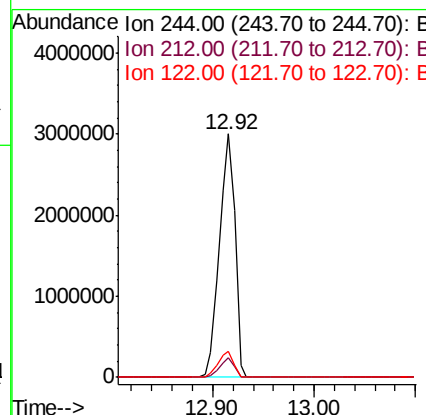
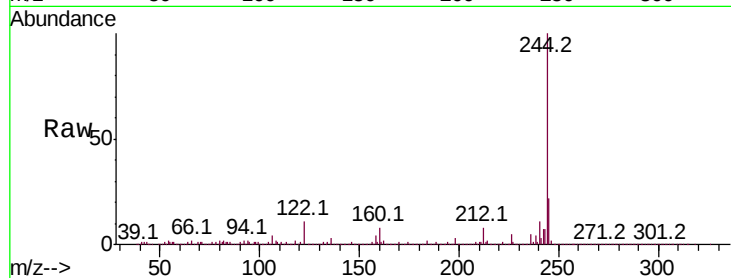




#79
 Terphenyl-d14
 Concen: 87.610 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

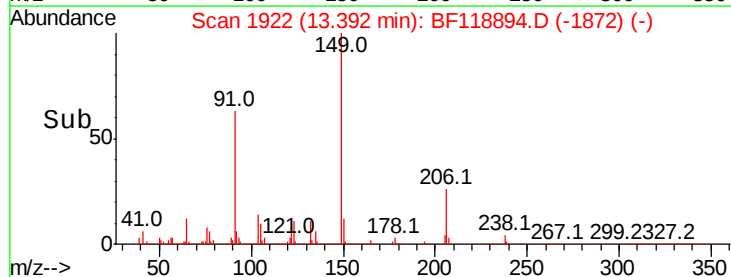
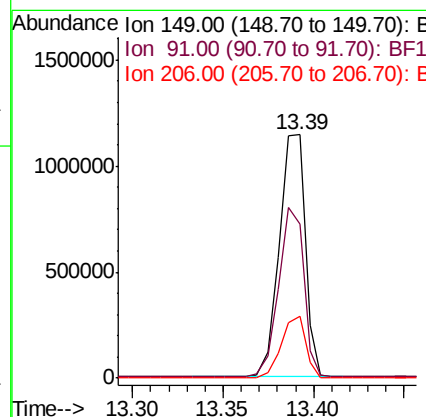
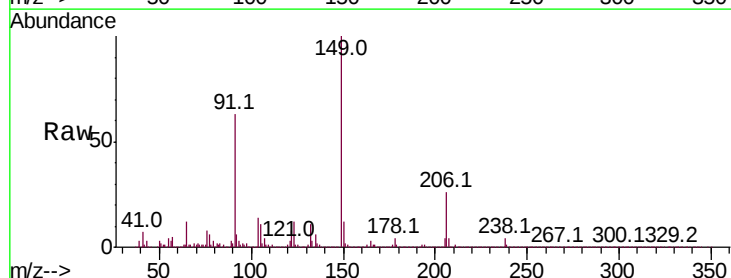
Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

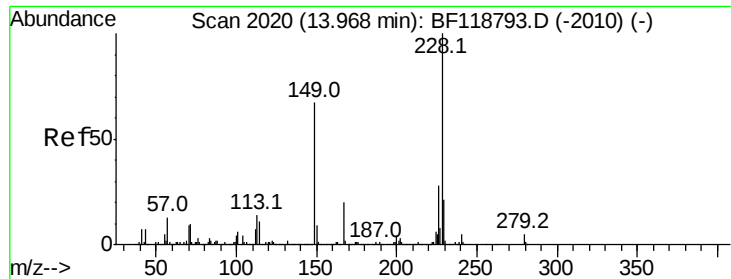
Tot Ion:244 Resp: 3195518
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 10.8 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 48.474 ng
 RT: 13.39 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion:149 Resp: 1137142
 Ion Ratio Lower Upper
 149 100
 91 63.5 54.7 82.1
 206 25.5 18.5 27.7





#81

Benzo(a)anthracene

Concen: 45.499 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

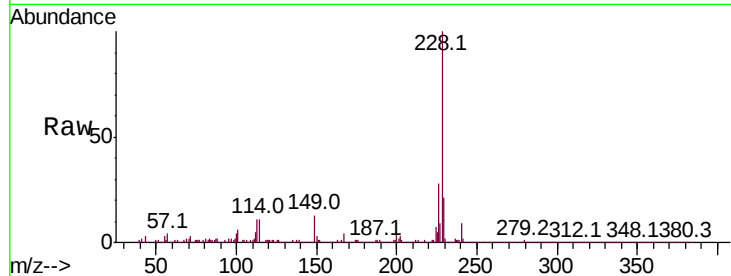
Tot Ion:228 Resp: 2028417

Ion Ratio Lower Upper

228 100

226 28.4 22.7 34.1

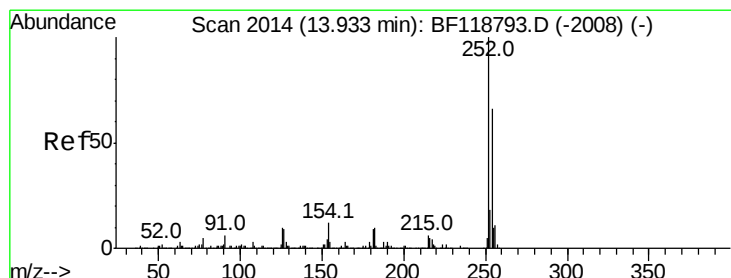
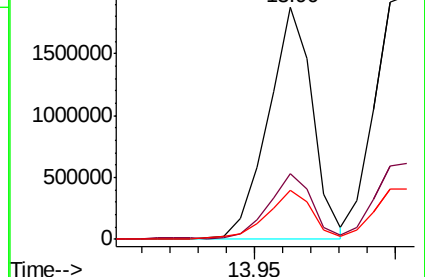
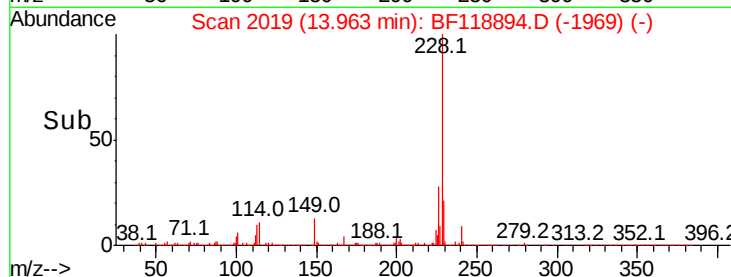
229 21.3 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 31.257 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

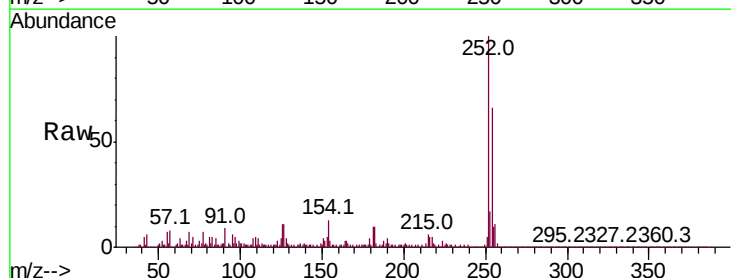
Tgt Ion:252 Resp: 569930

Ion Ratio Lower Upper

252 100

254 65.9 52.4 78.6

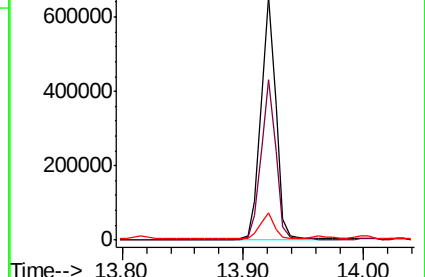
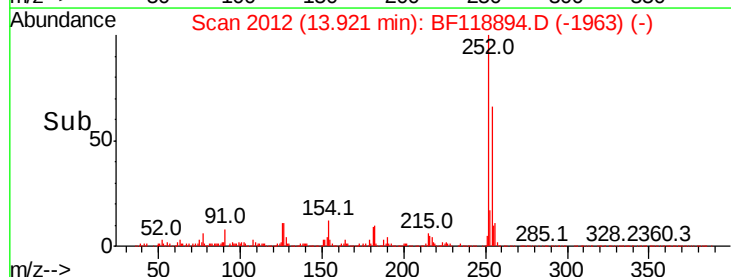
126 11.0 7.8 11.8

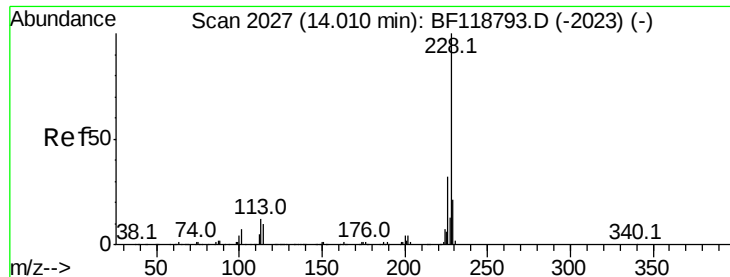


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 45.116 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

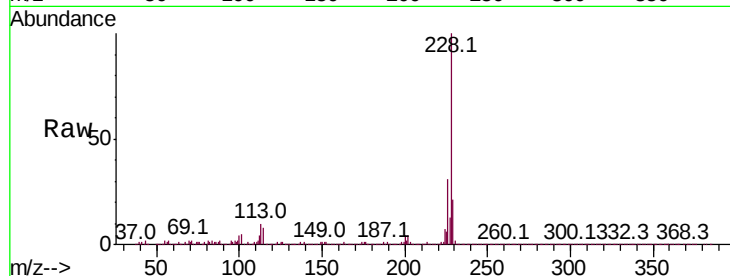
Tot Ion:228 Resp: 2018681

Ion Ratio Lower Upper

228 100

226 31.3 25.4 38.0

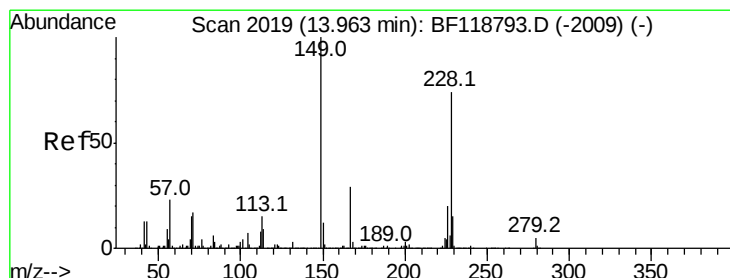
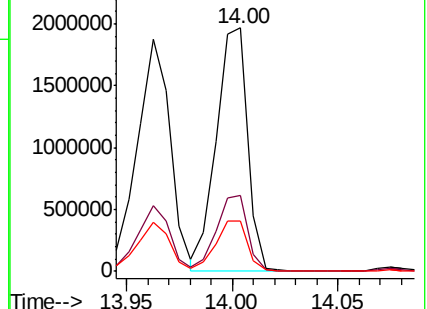
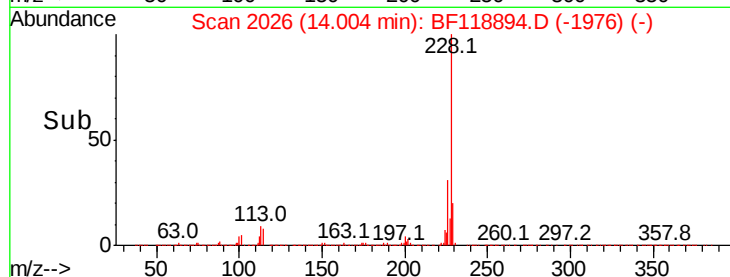
229 20.6 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.507 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

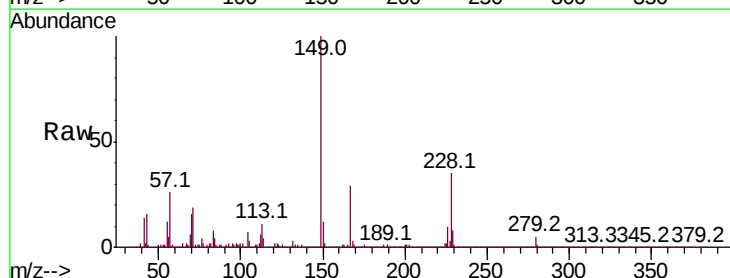
Tgt Ion:149 Resp: 1562768

Ion Ratio Lower Upper

149 100

167 28.9 23.0 34.6

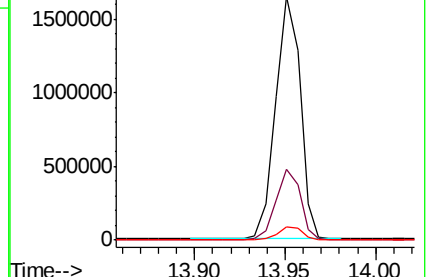
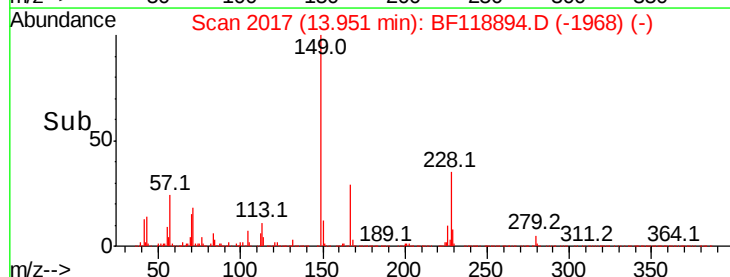
279 5.2 4.4 6.6

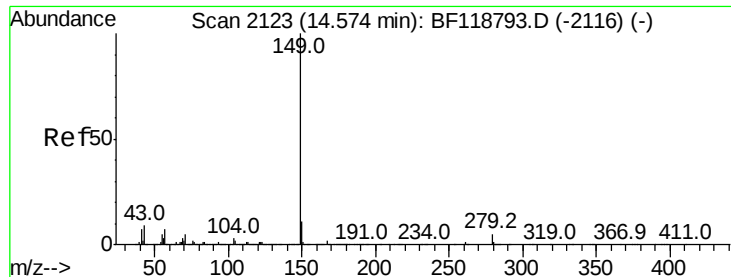


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 45.022 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

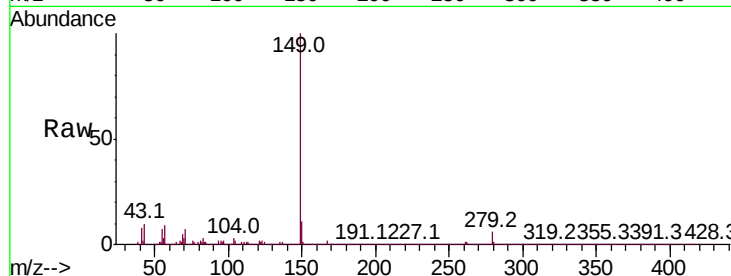
Tot Ion:149 Resp: 2295584

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

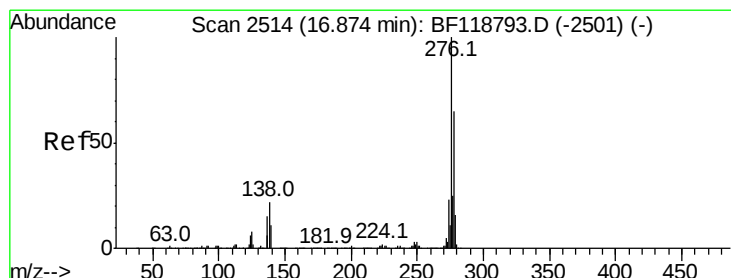
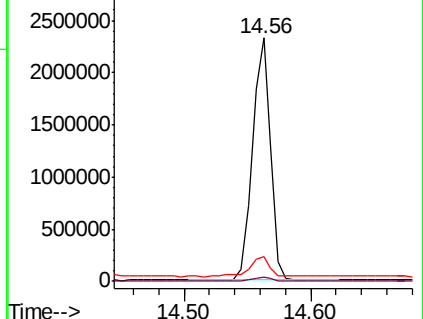
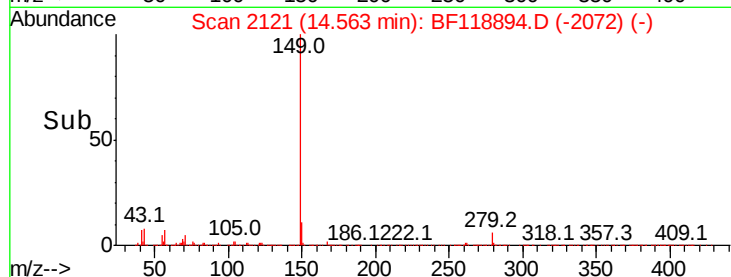
43 9.2 6.6 10.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 49.559 ng

RT: 16.87 min Scan# 2514

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

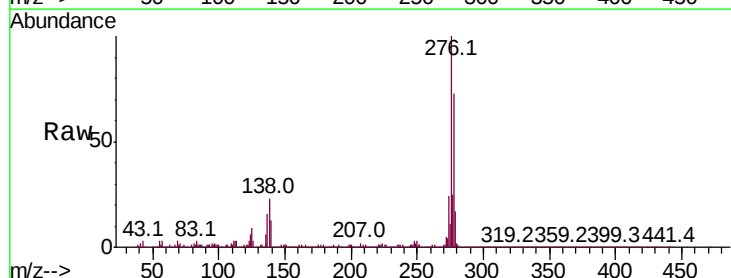
Tgt Ion:276 Resp: 2227959

Ion Ratio Lower Upper

276 100

138 22.4 18.3 27.5

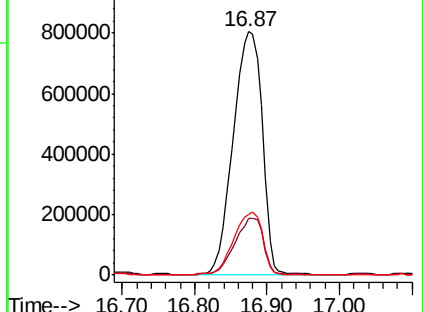
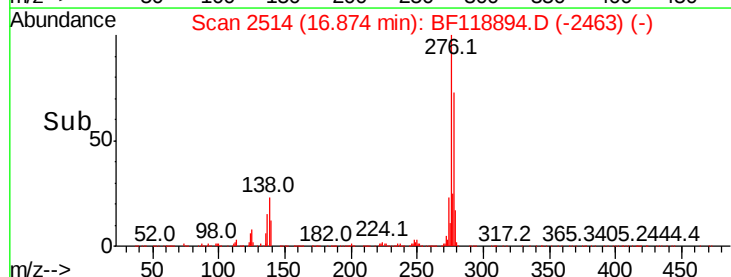
277 25.4 20.2 30.4

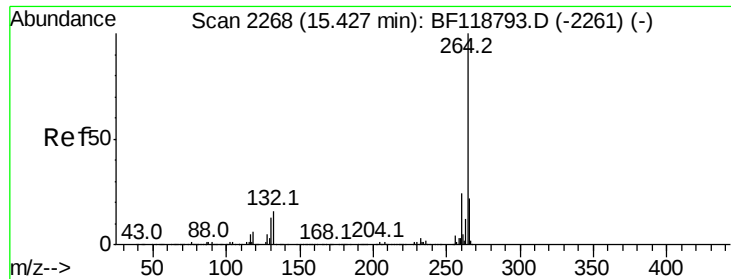


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

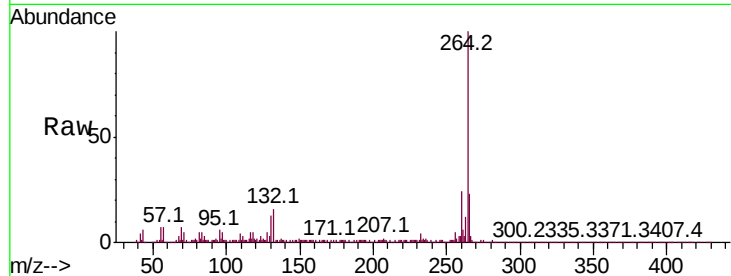
Tot Ion:264 Resp: 784207

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

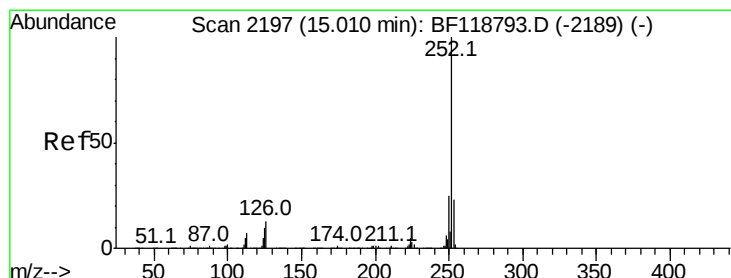
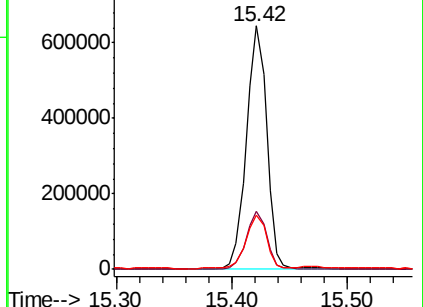
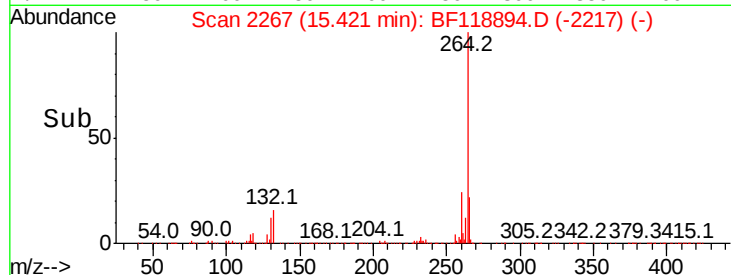
265 22.5 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 45.718 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

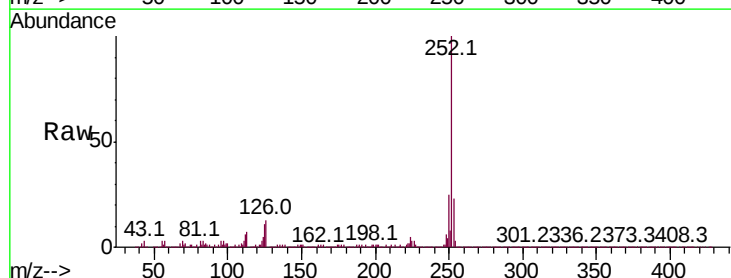
Tgt Ion:252 Resp: 2224693

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

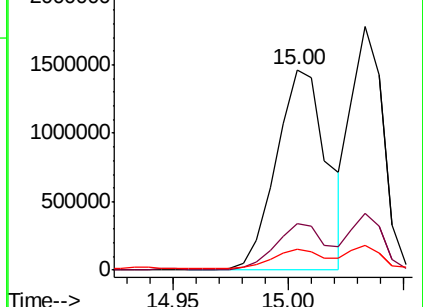
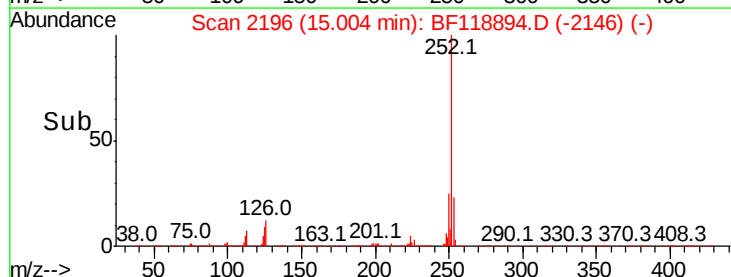
125 10.6 8.1 12.1

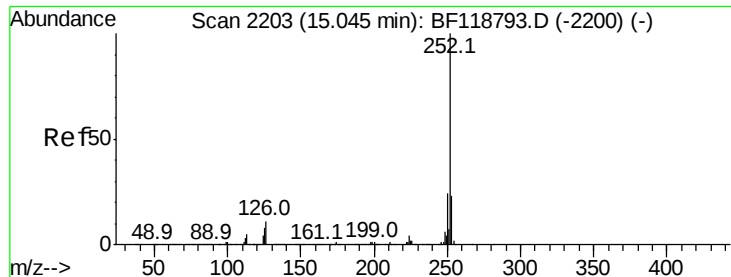


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

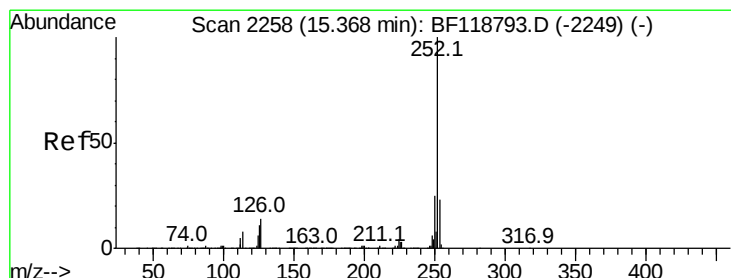
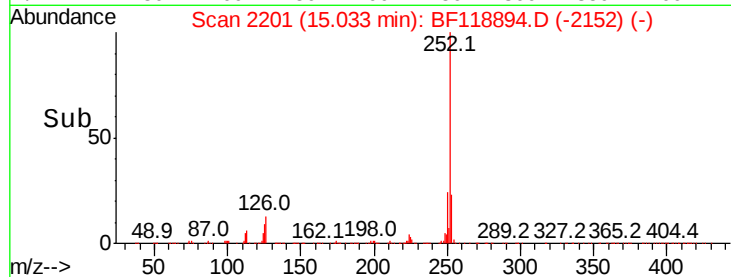
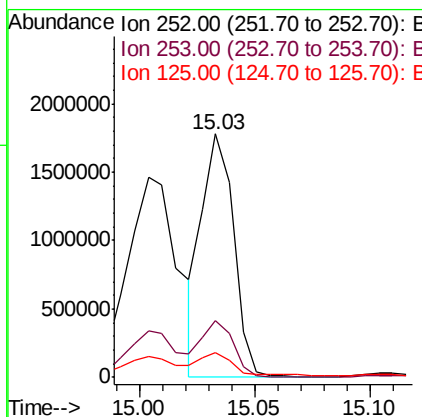
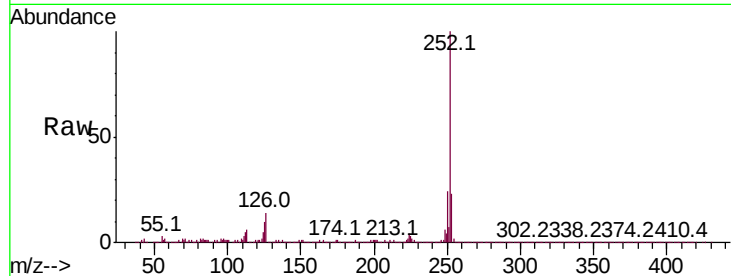




#89
Benzo(k)fluoranthene
Concen: 39.956 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

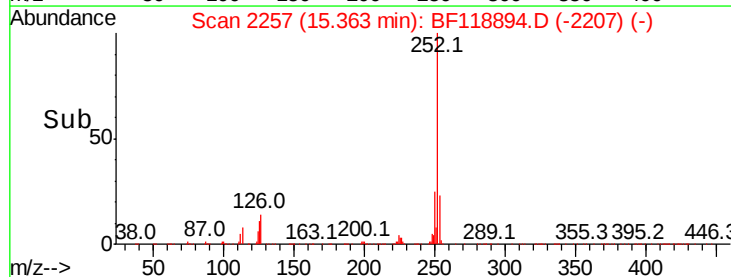
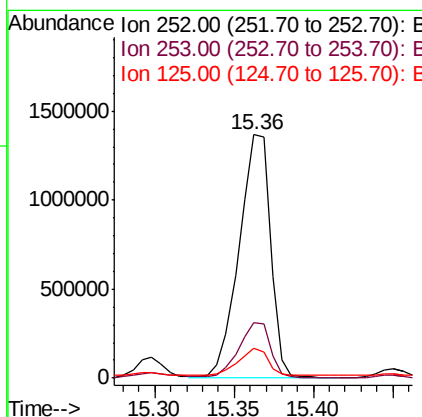
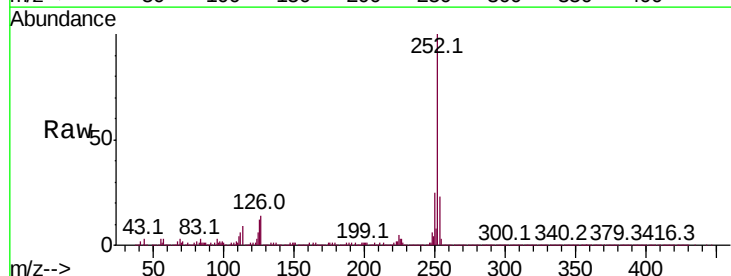
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

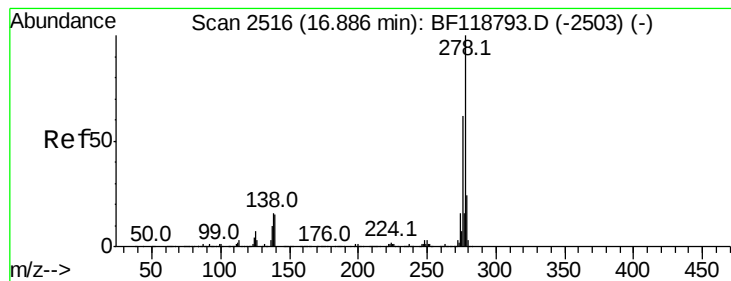
Tot Ion:252 Resp: 1693099
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.4
125 10.1 7.0 10.6



#90
Benzo(a)pyrene
Concen: 45.091 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:252 Resp: 1877829
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 12.1 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 49.591 ng

RT: 16.89 min Scan# 2516

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampled :

SP-3MSD

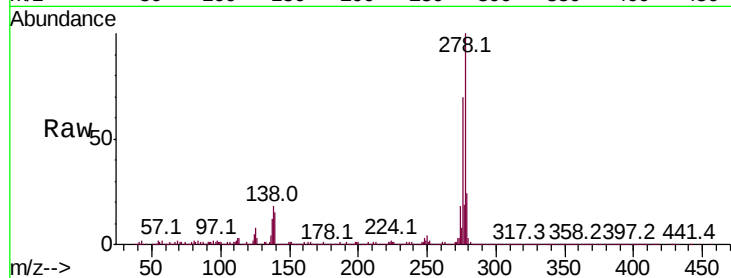
Tot Ion:278 Resp: 1833346

Ion Ratio Lower Upper

278 100

139 15.4 12.3 18.5

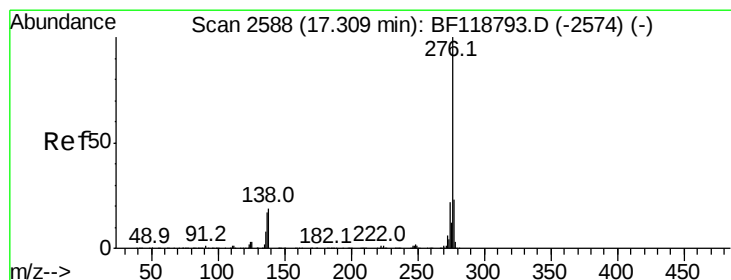
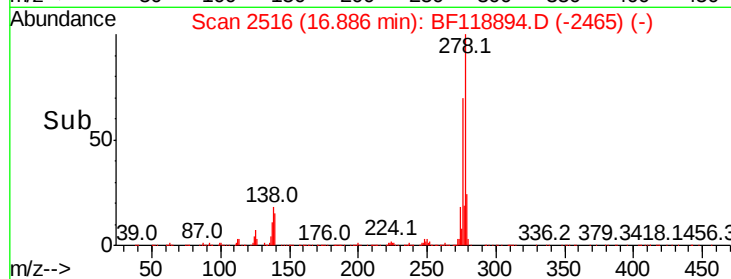
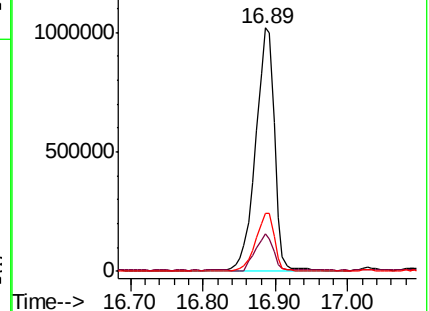
279 24.0 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 50.394 ng

RT: 17.31 min Scan# 2588

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

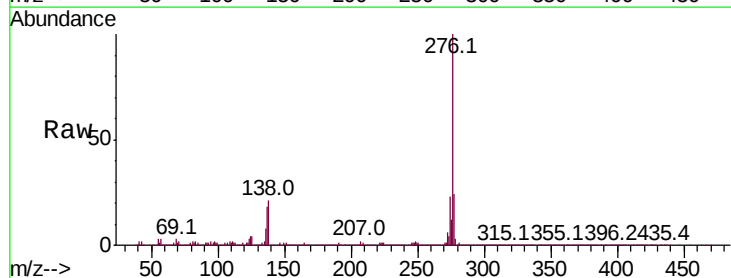
Tgt Ion:276 Resp: 1791702

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 20.7 15.4 23.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

