

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021420\
 Data File : BF118934.D
 Acq On : 14 Feb 2020 16:22
 Operator : CG/JU
 Sample : PB126820BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 03:36:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	175651	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	668907	20.00	ng	-0.04
39) Acenaphthene-d10	9.82	164	527587	20.00	ng	-0.04
64) Phenanthrene-d10	11.30	188	1004507	20.00	ng	-0.04
76) Chrysene-d12	13.93	240	552081	20.00	ng	-0.05
87) Perylene-d12	15.36	264	519494	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1284554	138.43	ng	-0.02
7) Phenol-d6	6.43	99	1581803	137.32	ng	-0.02
23) Nitrobenzene-d5	7.34	82	917208	81.73	ng	-0.04
42) 2,4,6-Tribromophenol	10.60	330	740001	117.22	ng	-0.04
45) 2-Fluorobiphenyl	9.14	172	1836127	62.22	ng	-0.04
79) Terphenyl-d14	12.88	244	2233079	83.08	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.58	88	260517	61.604	ng	99
3) Pyridine	3.32	79	718369	61.176	ng	98
4) n-Nitrosodimethylamine	3.25	42	316603	74.053	ng	96
6) Aniline	6.45	93	545242	36.752	ng	# 83
8) 2-Chlorophenol	6.57	128	543080	52.545	ng	99
9) Benzaldehyde	6.33	77	250456	36.607	ng	97
10) Phenol	6.44	94	635343	49.605	ng	80
11) bis(2-Chloroethyl)ether	6.52	93	485918	49.589	ng	99
12) 1,3-Dichlorobenzene	6.72	146	590573	48.004	ng	97
13) 1,4-Dichlorobenzene	6.79	146	594509	48.446	ng	98
14) 1,2-Dichlorobenzene	6.95	146	554465	47.299	ng	99
15) Benzyl Alcohol	6.92	79	454061	50.997	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.06	45	535420	44.618	ng	95
17) 2-Methylphenol	7.04	107	450924	52.476	ng	98
18) Hexachloroethane	7.29	117	211455	48.010	ng	97
19) n-Nitroso-di-n-propylamine	7.20	70	339317	48.144	ng	99
20) 3+4-Methylphenols	7.19	107	531019	49.302	ng	95
22) Acetophenone	7.19	105	691609	47.589	ng	99
24) Nitrobenzene	7.36	77	555717	49.569	ng	96
25) Isophorone	7.60	82	997136	49.439	ng	99
26) 2-Nitrophenol	7.67	139	310482	51.973	ng	96
27) 2,4-Dimethylphenol	7.72	122	480351	59.193	ng	99
28) bis(2-Chloroethoxy)methane	7.81	93	611336	46.744	ng	99
29) 2,4-Dichlorophenol	7.92	162	483321	49.733	ng	99
30) 1,2,4-Trichlorobenzene	8.00	180	533502	46.966	ng	100
31) Naphthalene	8.08	128	1553352	50.775	ng	99
32) Benzoic acid	7.86	122	319224	47.512	ng	98
33) 4-Chloroaniline	8.13	127	390929	28.562	ng	99
34) Hexachlorobutadiene	8.20	225	312652	44.925	ng	99
35) Caprolactam	8.51	113	79957	25.379	ng	95
36) 4-Chloro-3-methylphenol	8.62	107	503736	51.505	ng	98
37) 2-Methylnaphthalene	8.77	142	1076932	50.756	ng	98
38) 1-Methylnaphthalene	8.87	142	1007036	50.453	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.94	216	521076	32.725	ng	99

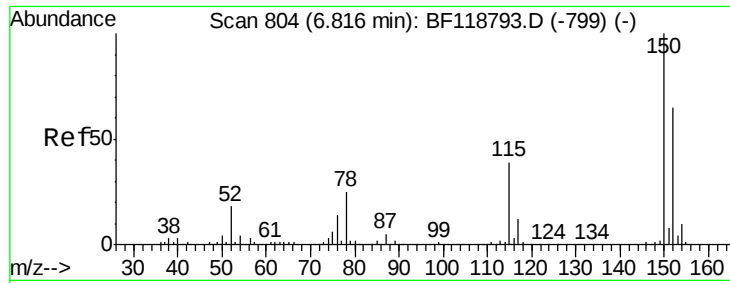
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021420\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.93	237	487740	78.118	nq	99
43) 2,4,6-Trichlorophenol	9.06	196	357806	33.604	nq	99
44) 2,4,5-Trichlorophenol	9.10	196	384032	35.298	nq	96
46) 1,1'-Biphenyl	9.24	154	1284760	35.203	nq	98
47) 2-Chloronaphthalene	9.26	162	1034866	34.109	nq	98
48) 2-Nitroaniline	9.36	65	296901	33.929	nq	94
49) Acenaphthylene	9.67	152	2209690	50.442	nq	99
50) Dimethylphthalate	9.54	163	1244847	34.653	nq	99
51) 2,6-Dinitrotoluene	9.60	165	374119	45.515	nq	94
52) Acenaphthene	9.85	154	1267350	43.903	nq	99
53) 3-Nitroaniline	9.77	138	276877	30.373	nq	98
54) 2,4-Dinitrophenol	9.88	184	373953	94.635	nq	96
55) Dibenzofuran	10.02	168	1933637	46.351	nq	99
56) 4-Nitrophenol	9.95	139	621290	94.170	nq	99
57) 2,4-Dinitrotoluene	10.01	165	526172	48.371	nq	# 89
58) Fluorene	10.36	166	1493636	47.591	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.14	232	442064	46.526	nq	99
60) Diethylphthalate	10.24	149	1480867	42.393	nq	100
61) 4-Chlorophenyl-phenylether	10.35	204	772404	45.381	nq	99
62) 4-Nitroaniline	10.39	138	421428	46.165	nq	98
63) Azobenzene	10.52	77	1456451	48.837	nq	98
65) 4,6-Dinitro-2-methylphenol	10.42	198	299102	52.990	nq	88
66) n-Nitrosodiphenylamine	10.47	169	1404757	48.279	nq	99
67) 4-Bromophenyl-phenylether	10.84	248	516471	43.463	nq	98
68) Hexachlorobenzene	10.92	284	564552	41.421	nq	96
69) Atrazine	11.00	200	485413	50.075	nq	99
70) Pentachlorophenol	11.11	266	585828	81.403	nq	98
71) Phenanthrene	11.32	178	2299969	46.536	nq	100
72) Anthracene	11.37	178	2362996	48.060	nq	100
73) Carbazole	11.53	167	2072700	48.035	nq	100
74) Di-n-butylphthalate	11.86	149	2208791	40.184	nq	100
75) Fluoranthene	12.51	202	1850157	34.287	nq	99
77) Benzidine	12.63	184	959039	57.434	nq	98
78) Pyrene	12.74	202	1861022	49.137	nq	99
80) Butylbenzylphthalate	13.35	149	767806	44.416	nq	99
81) Benzo(a)anthracene	13.93	228	1624638	49.453	nq	98
82) 3,3'-Dichlorobenzidine	13.89	252	459790	34.220	nq	99
83) Chrysene	13.96	228	1583169	48.015	nq	99
84) Bis(2-ethylhexyl)phthalate	13.92	149	953871	43.492	nq	99
85) Di-n-octyl phthalate	14.52	149	1632561	43.451	nq	99
86) Indeno(1,2,3-cd)pyrene	16.79	276	1428564	43.123	nq	99
88) Benzo(b)fluoranthene	14.96	252	1576675	48.911	nq	99
89) Benzo(k)fluoranthene	14.99	252	1502150	53.513	nq	99
90) Benzo(a)pyrene	15.31	252	1360252	49.307	nq	98
91) Dibenzo(a,h)anthracene	16.80	278	1185827	48.420	nq	98
92) Benzo(g,h,i)perylene	17.21	276	1207798	51.281	nq	99

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

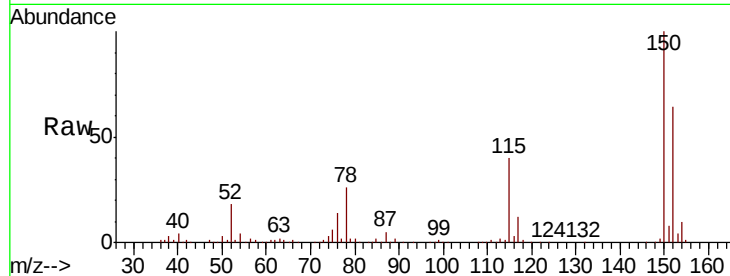


#1

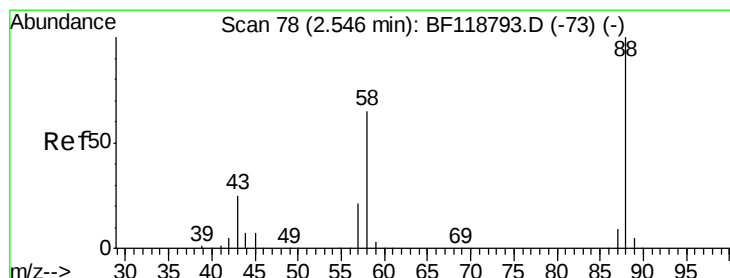
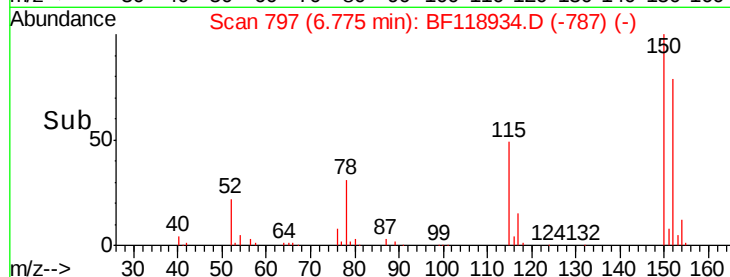
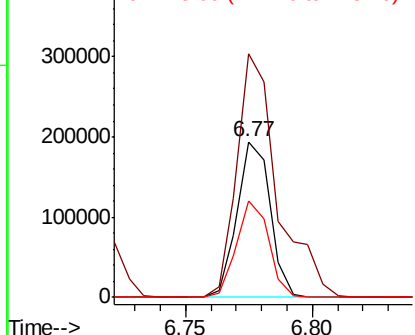
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 175651
Ion Ratio Lower Upper
152 100
150 156.7 123.6 185.4
115 62.1 48.2 72.2



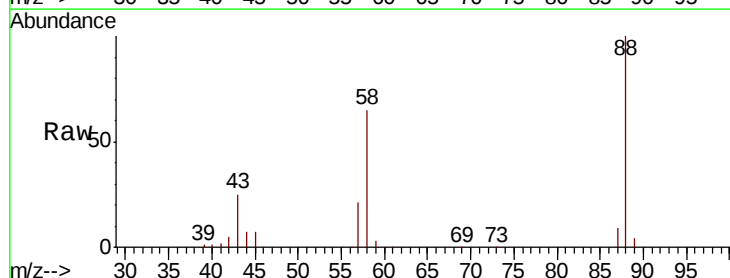
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



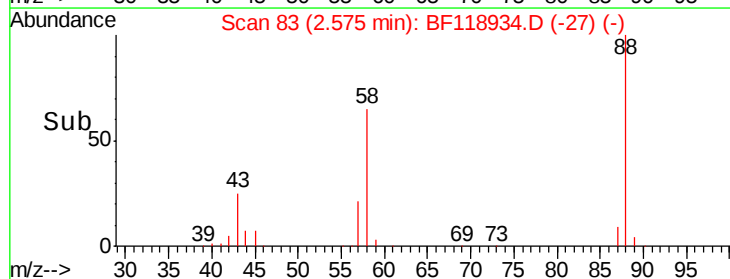
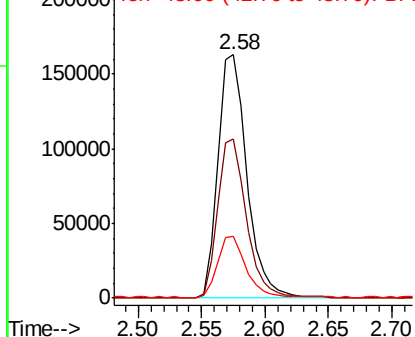
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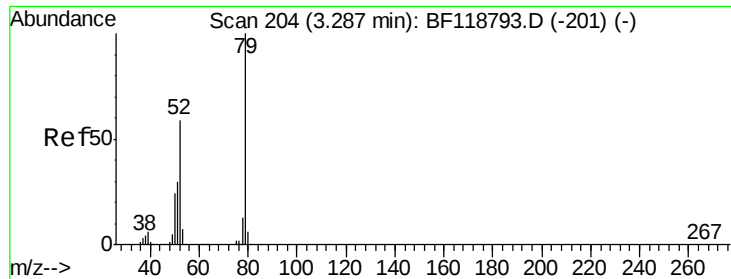
1,4-Dioxane
Concen: 61.604 ng
RT: 2.58 min Scan# 83
Delta R.T. 0.03 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion: 88 Resp: 260517
Ion Ratio Lower Upper
88 100
58 65.4 51.6 77.4
43 24.9 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: 61.176 ng

RT: 3.32 min Scan# 209

Delta R.T. 0.03 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

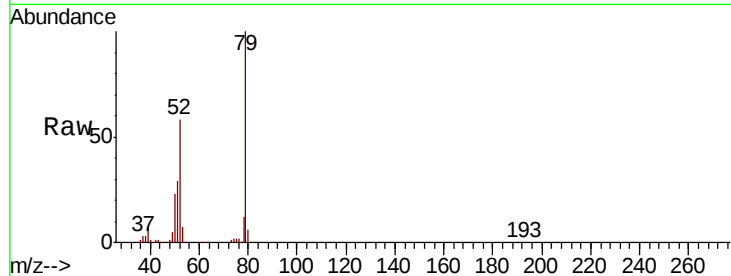
Tot Ion: 79 Resp: 718369

Ion Ratio Lower Upper

79 100

52 58.3 47.4 71.0

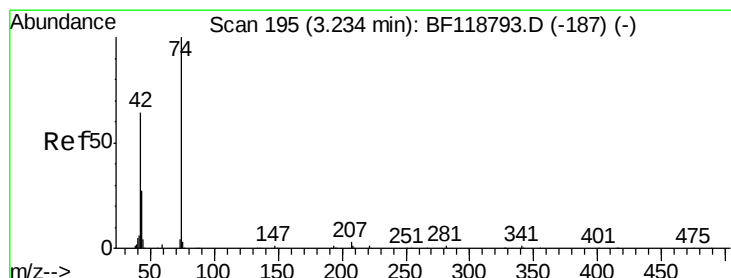
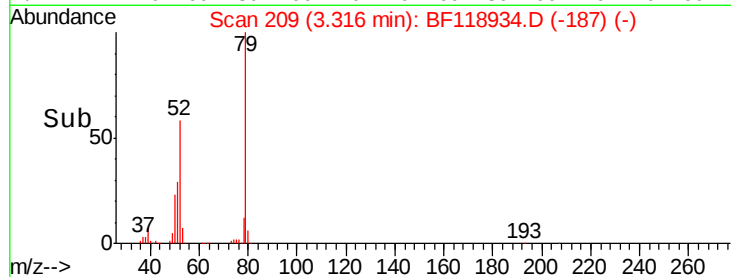
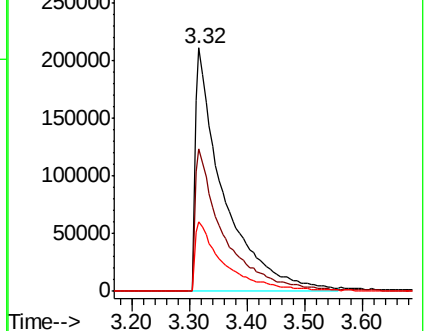
51 28.8 24.2 36.4



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: 74.053 ng

RT: 3.25 min Scan# 197

Delta R.T. 0.01 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

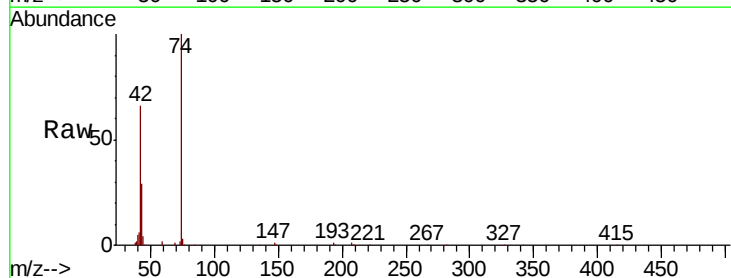
Tgt Ion: 42 Resp: 316603

Ion Ratio Lower Upper

42 100

74 150.6 124.3 186.5

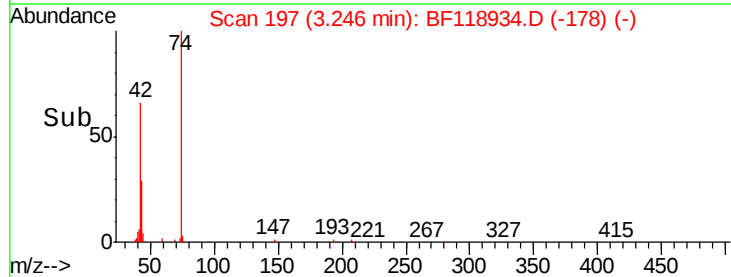
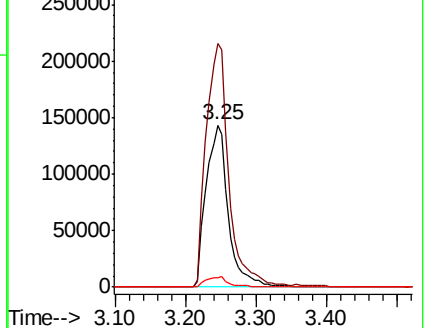
44 6.1 5.3 7.9

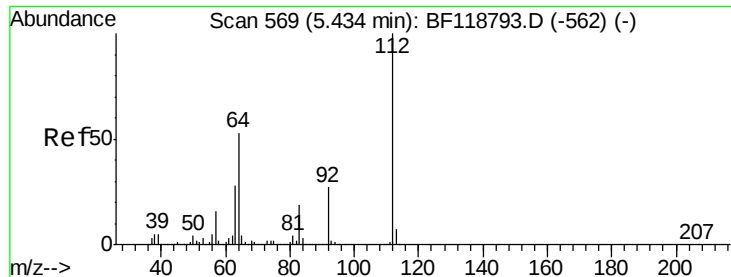


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 138.432 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.02 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

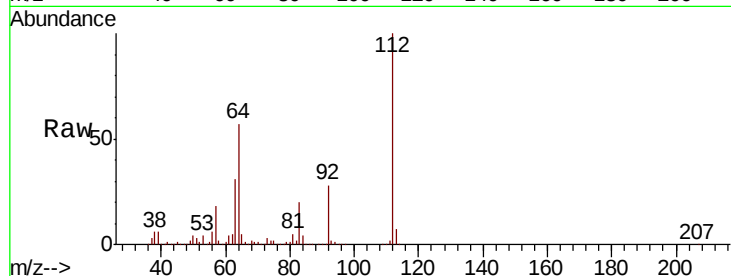
Tot Ion:112 Resp: 1284554

Ion Ratio Lower Upper

112 100

64 57.0 42.6 63.8

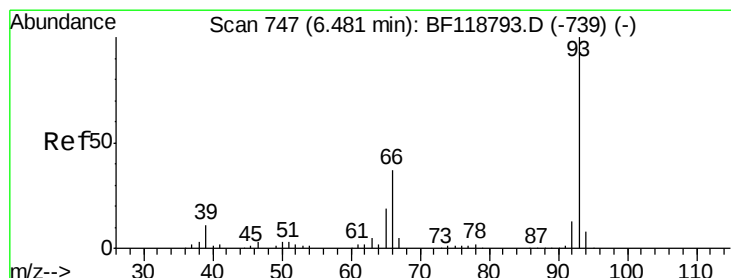
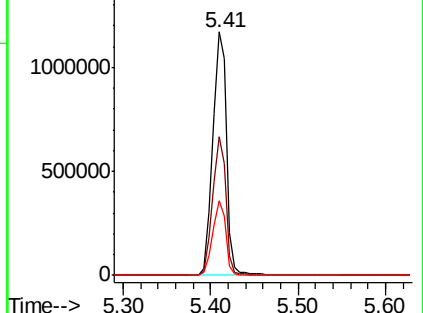
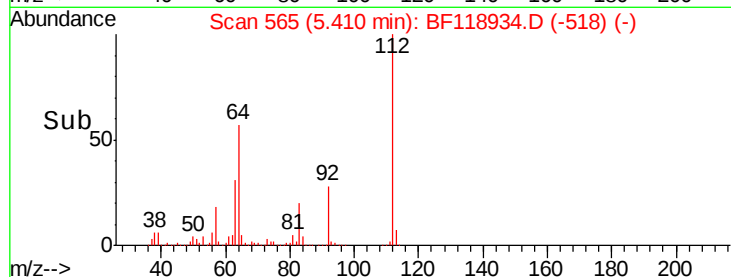
63 30.7 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 36.752 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

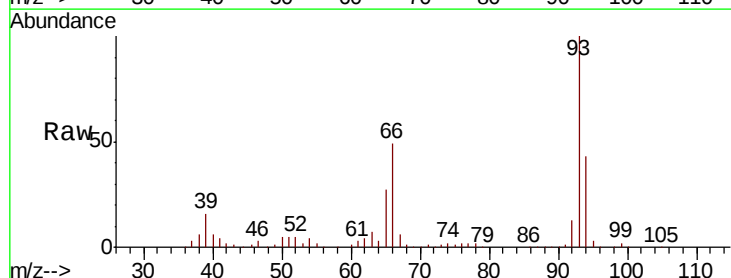
Tgt Ion: 93 Resp: 545242

Ion Ratio Lower Upper

93 100

66 49.0 30.8 46.2#

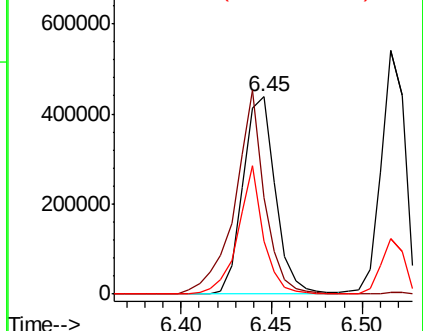
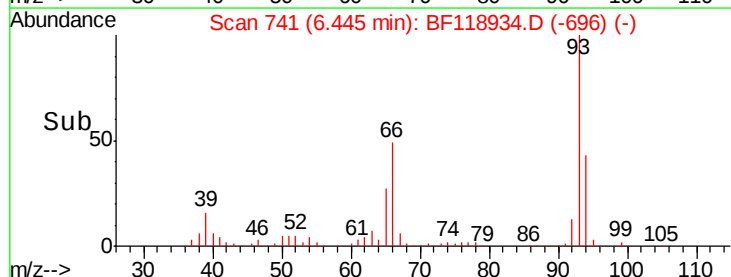
65 27.0 15.4 23.0#

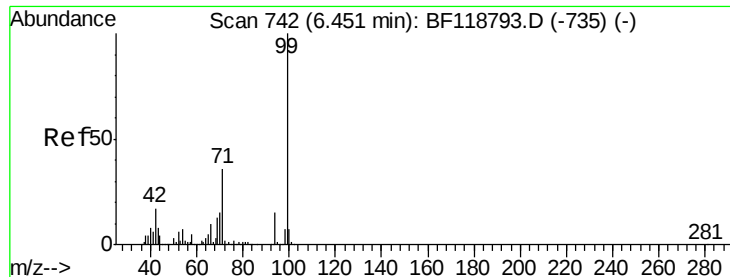


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 137.322 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

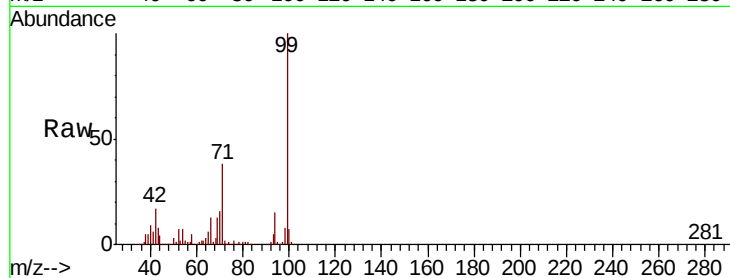
Tot Ion: 99 Resp: 1581803

Ion Ratio Lower Upper

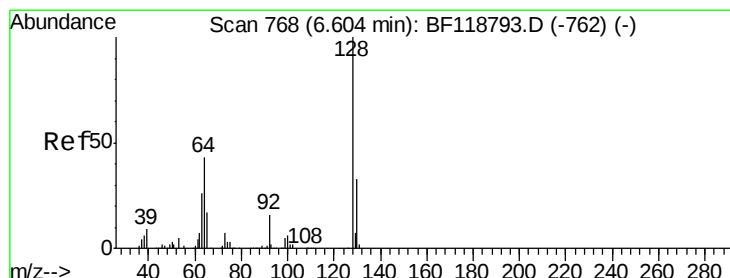
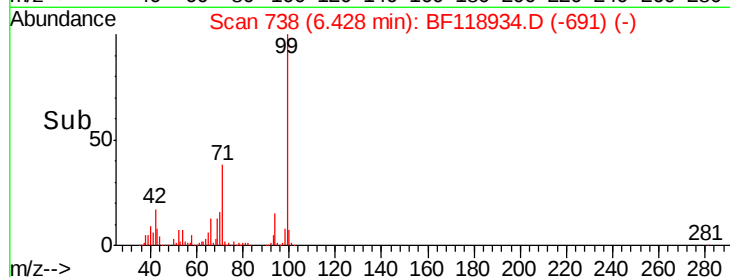
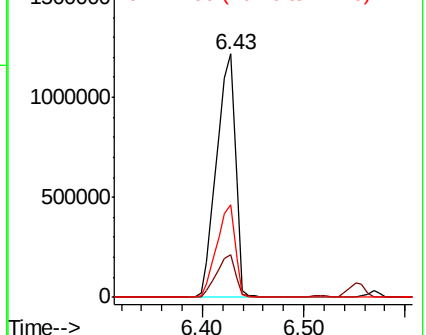
99 100

42 17.3 13.4 20.0

71 38.0 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: 52.545 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

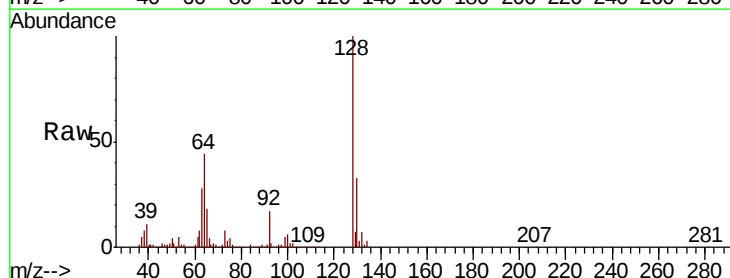
Tgt Ion:128 Resp: 543080

Ion Ratio Lower Upper

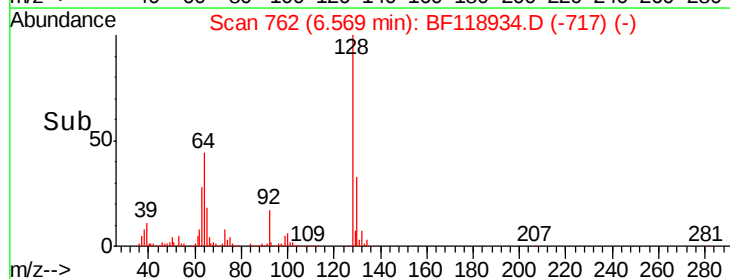
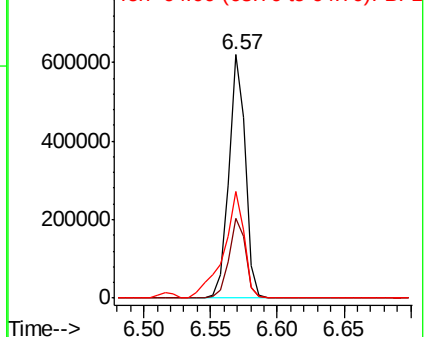
128 100

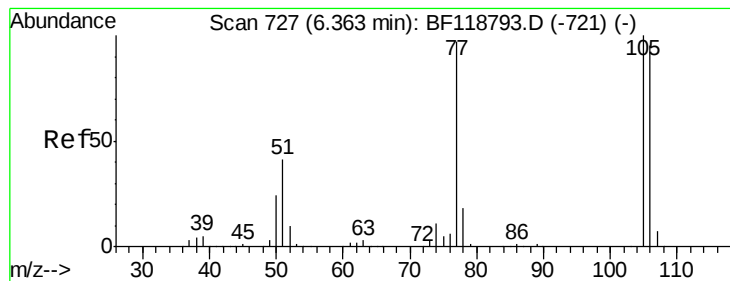
130 32.7 13.1 53.1

64 43.7 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: 36.607 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

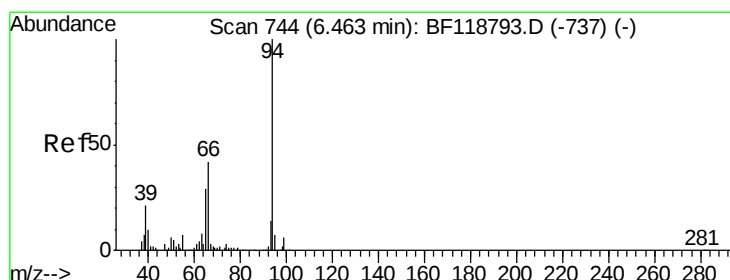
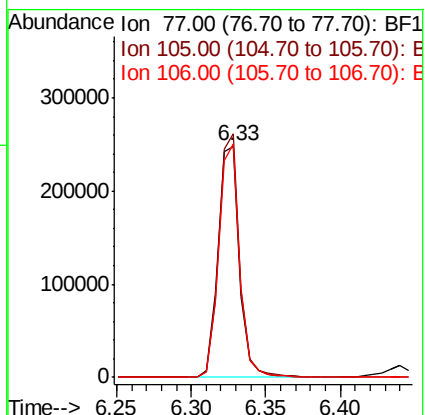
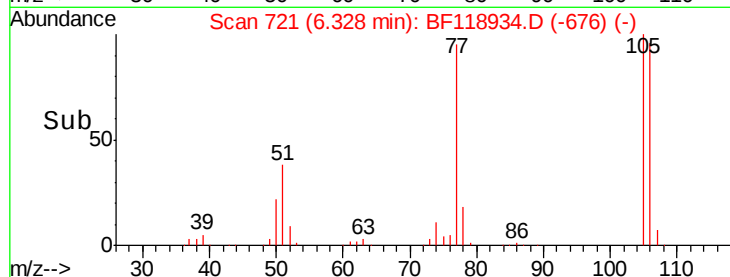
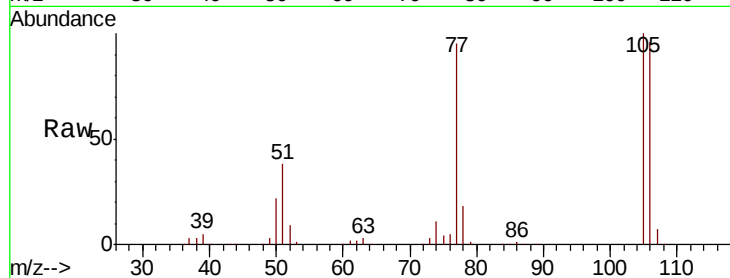
Tot Ion: 77 Resp: 250456

Ion Ratio Lower Upper

77 100

105 105.2 82.8 122.8

106 101.1 78.1 118.1



#10

Phenol

Concen: 49.605 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.02 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

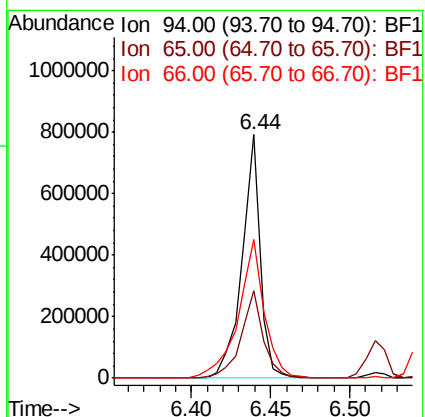
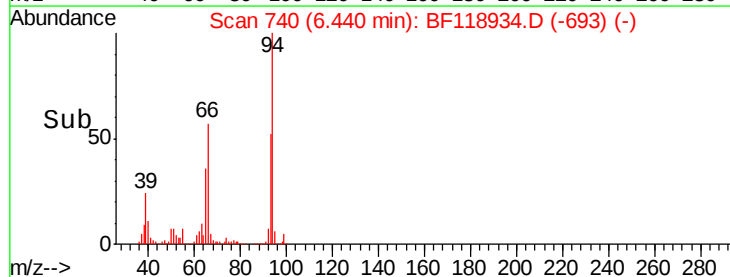
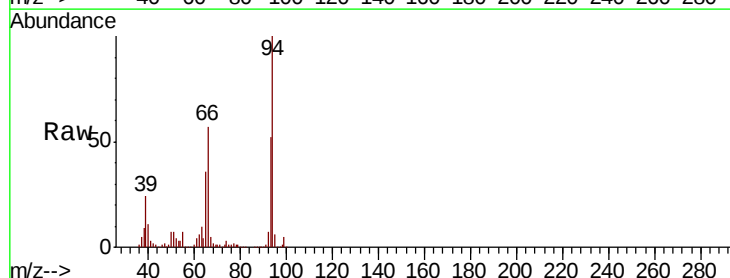
Tgt Ion: 94 Resp: 635343

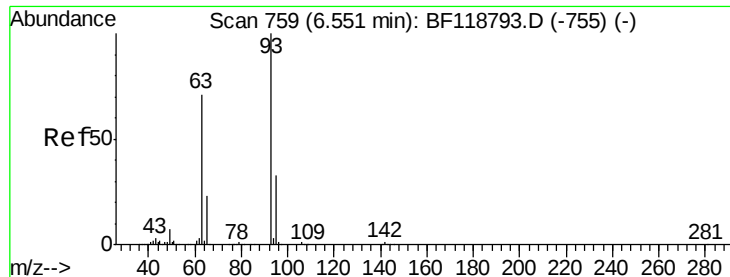
Ion Ratio Lower Upper

94 100

65 36.0 9.1 49.1

66 57.1 21.7 61.7





#11

bis(2-Chloroethyl)ether

Concen: 49.589 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

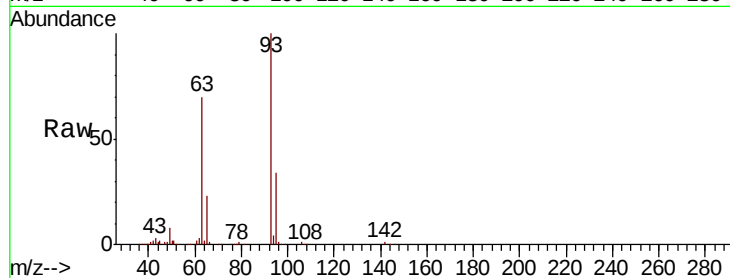
Tot Ion: 93 Resp: 485918

Ion Ratio Lower Upper

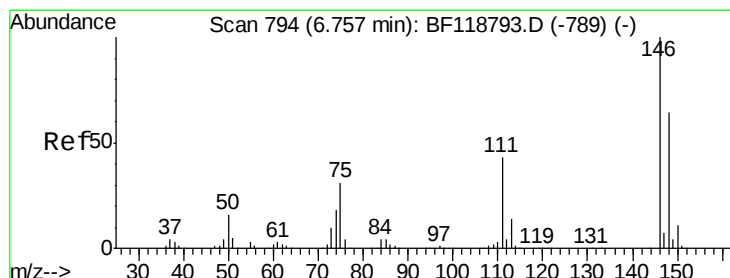
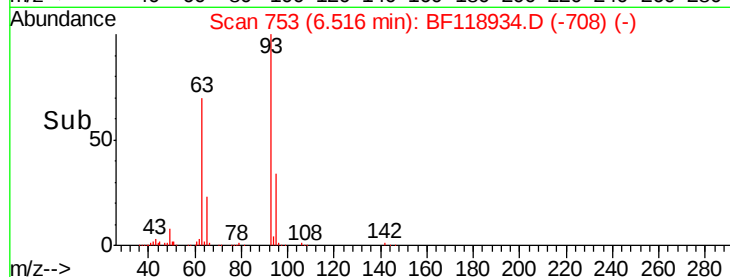
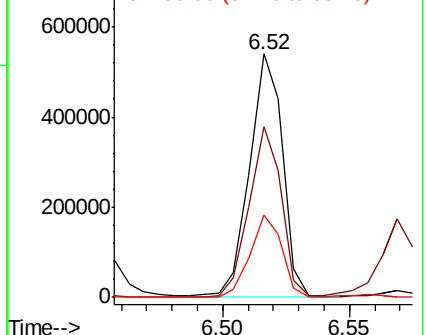
93 100

63 70.0 50.7 90.7

95 33.7 12.6 52.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 48.004 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

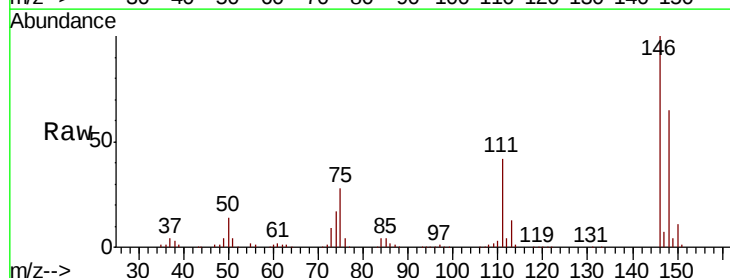
Tgt Ion: 146 Resp: 590573

Ion Ratio Lower Upper

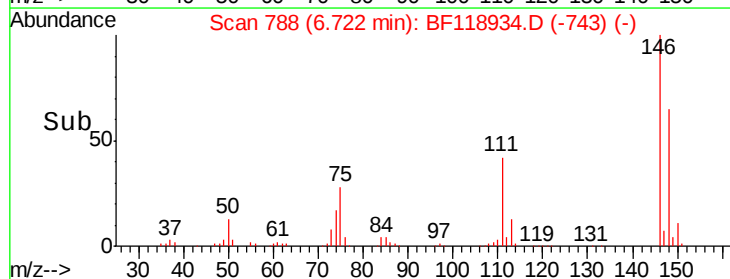
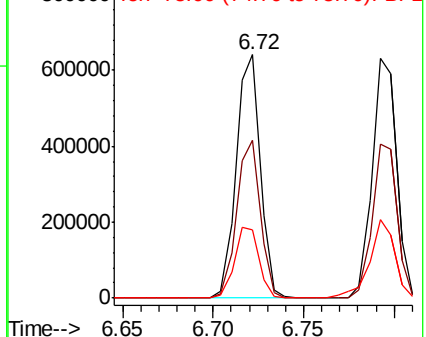
146 100

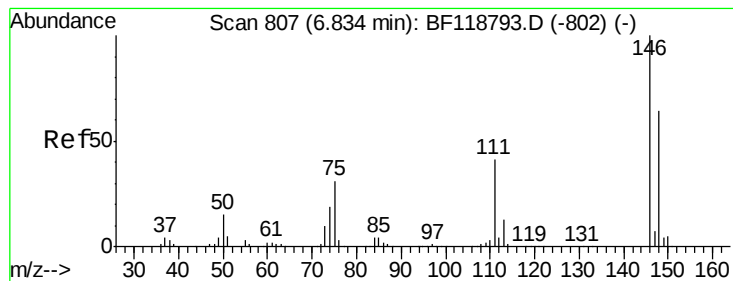
148 64.8 51.1 76.7

75 28.3 25.0 37.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 48.446 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

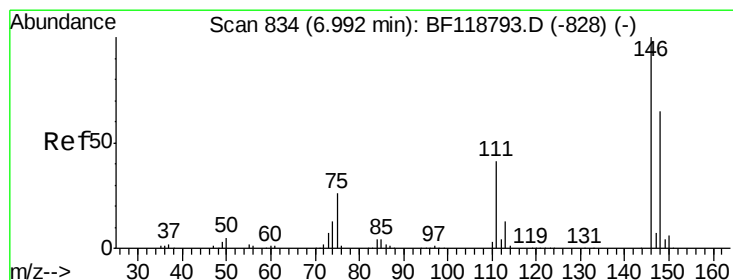
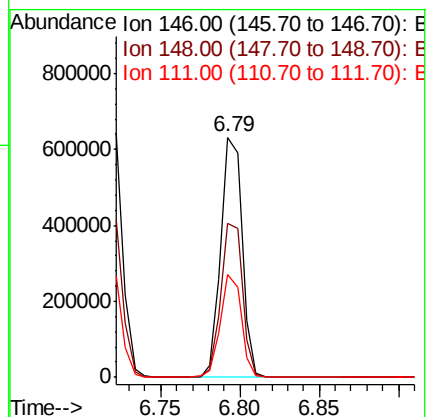
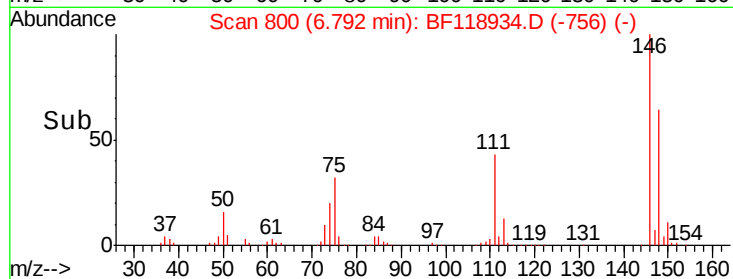
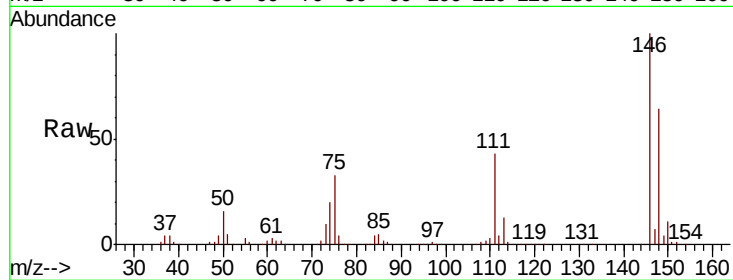
Tot Ion:146 Resp: 594509

Ion Ratio Lower Upper

146 100

148 63.9 51.6 77.4

111 43.0 32.9 49.3



#14

1,2-Dichlorobenzene

Concen: 47.299 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

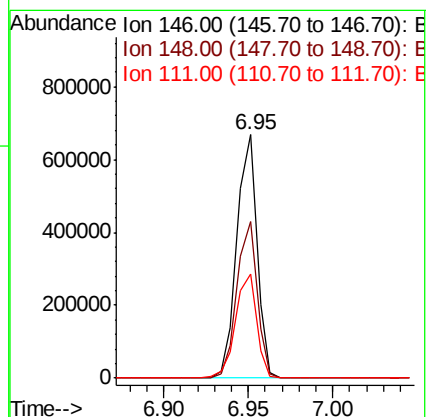
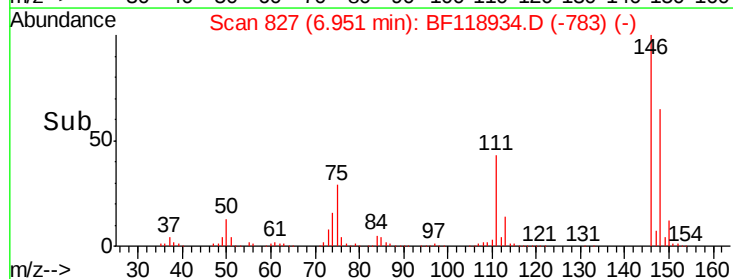
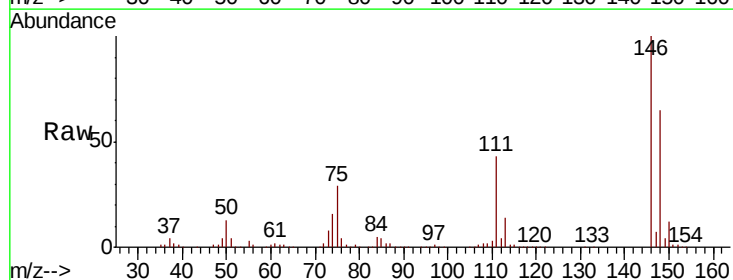
Tgt Ion:146 Resp: 554465

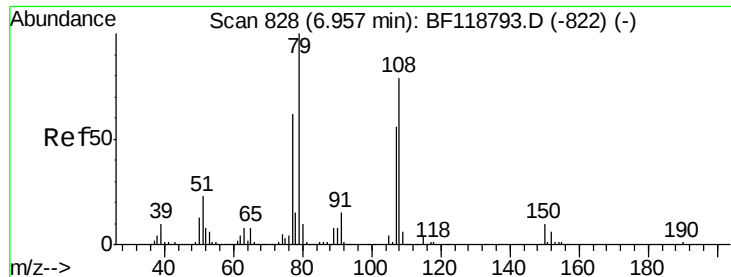
Ion Ratio Lower Upper

146 100

148 64.5 51.6 77.4

111 42.8 32.7 49.1





#15

Benzyl Alcohol

Concen: 50.997 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

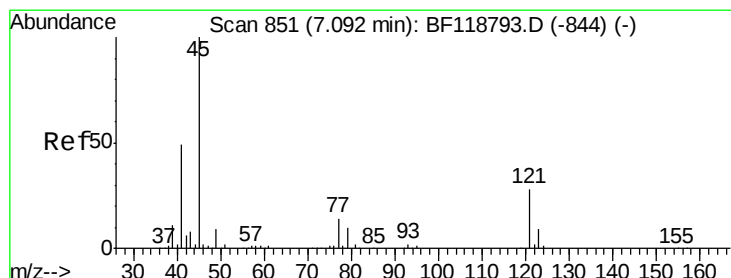
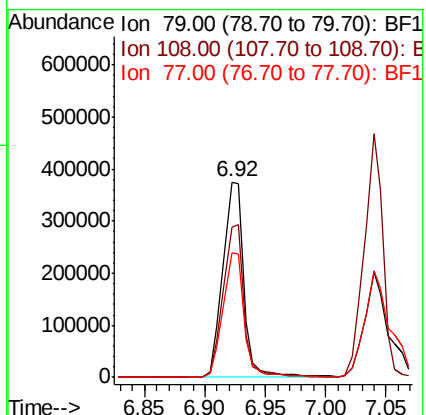
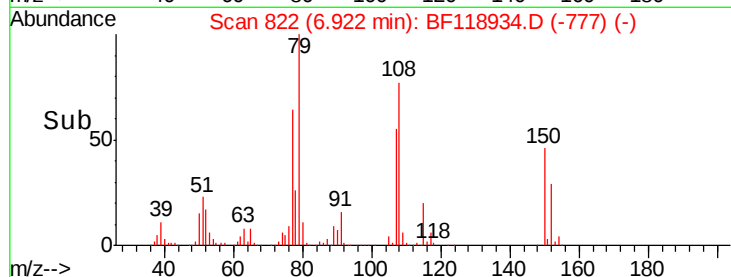
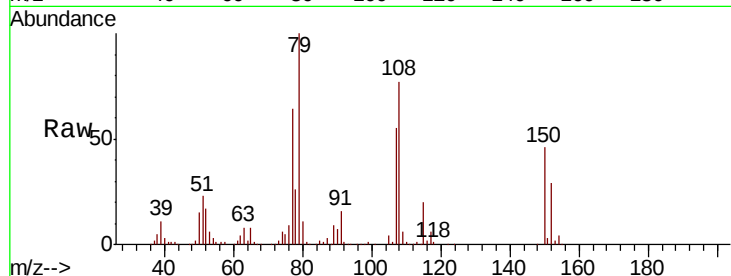
Tot Ion: 79 Resp: 454061

Ion Ratio Lower Upper

79 100

108 77.0 62.9 94.3

77 63.5 50.0 75.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.618 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

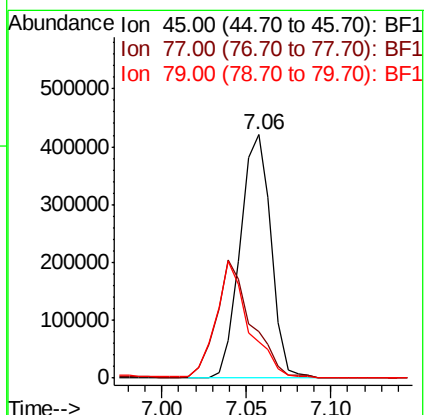
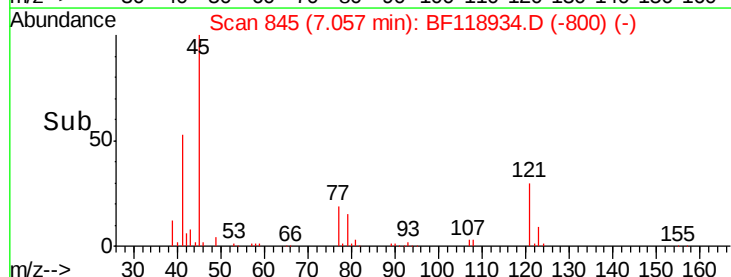
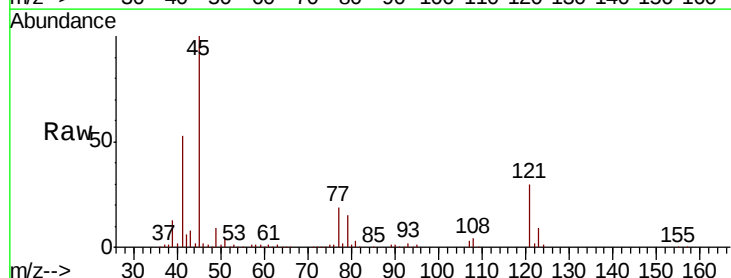
Tgt Ion: 45 Resp: 535420

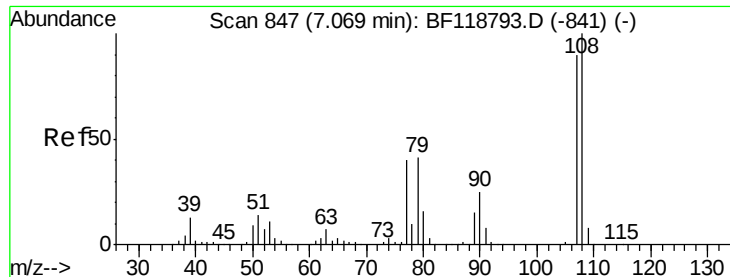
Ion Ratio Lower Upper

45 100

77 19.3 0.0 37.1

79 15.1 0.0 33.1

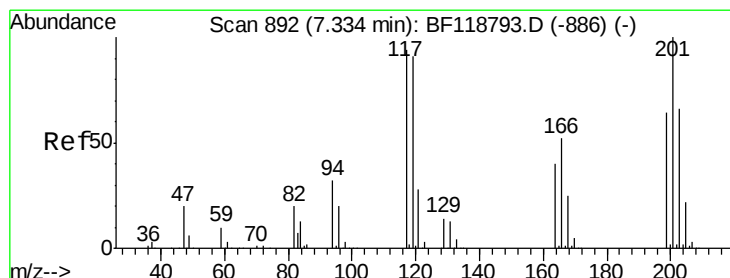
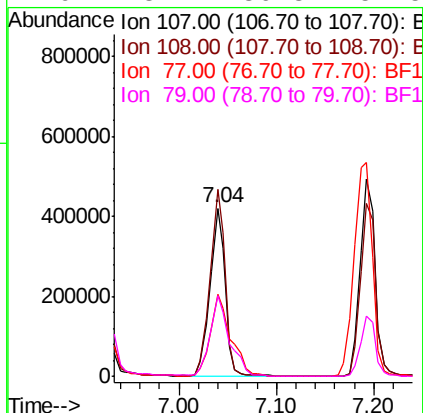
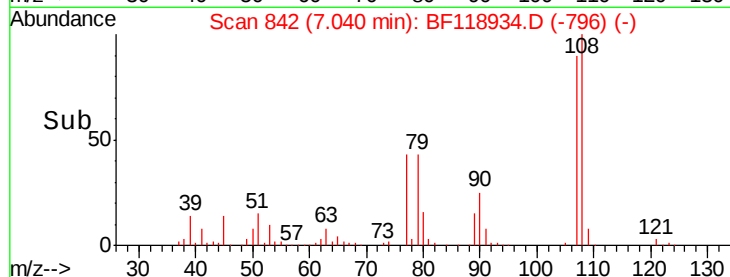
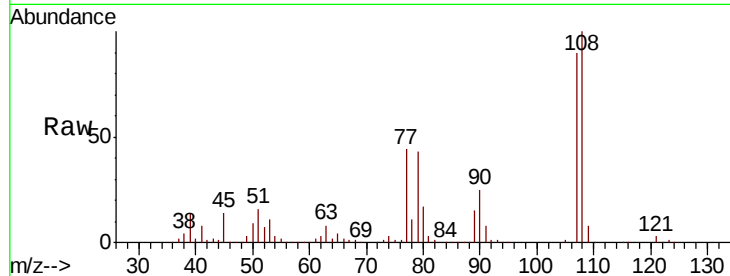




#17
2-Methylphenol
Concen: 52.476 ng
RT: 7.04 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

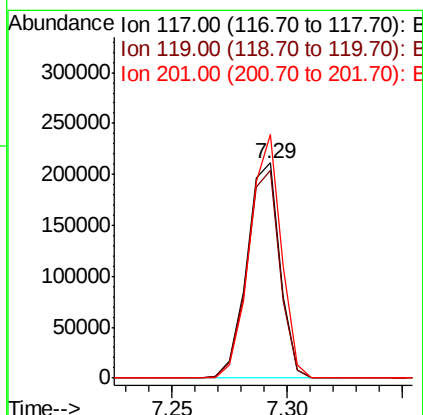
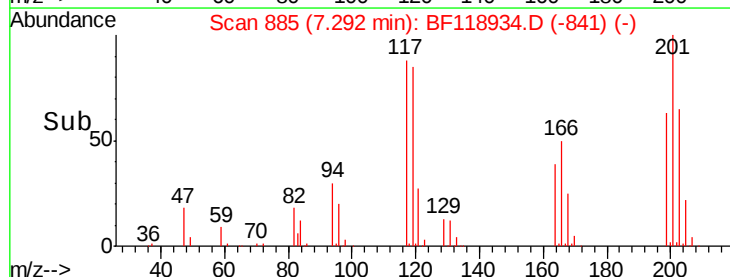
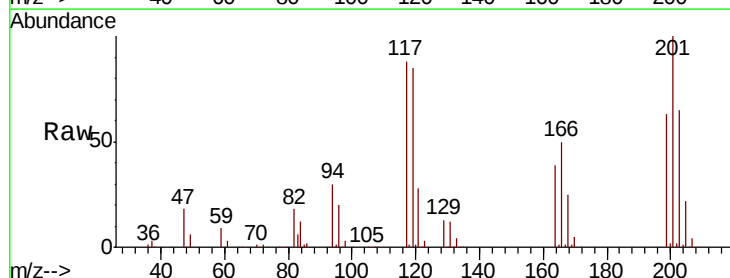
Instrument :
BNA_F
ClientSampleId :

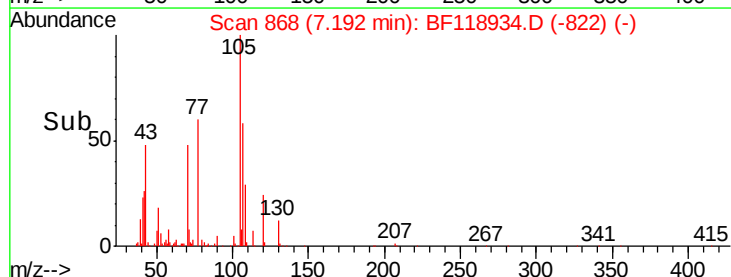
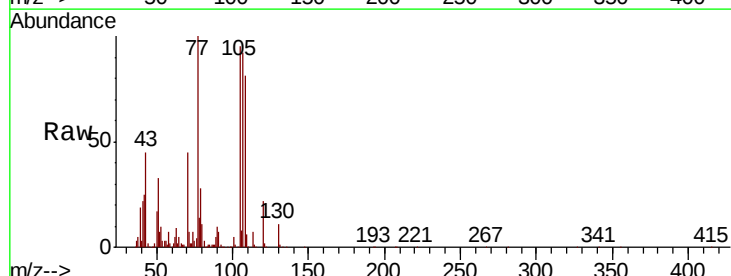
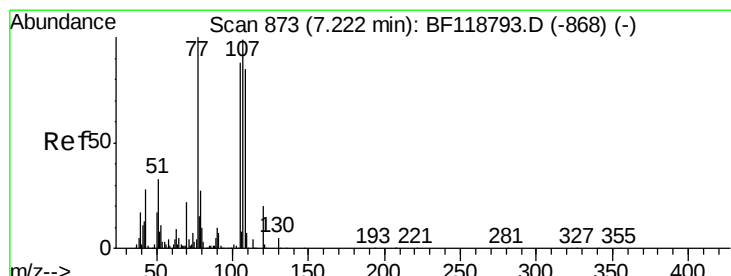
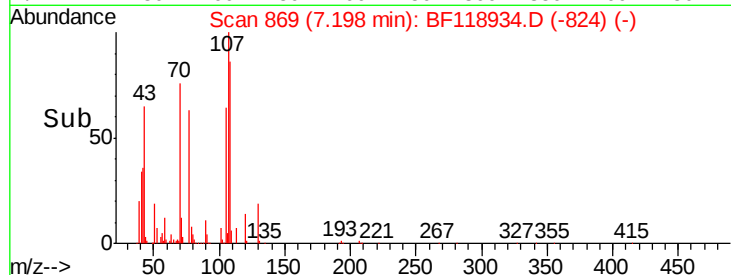
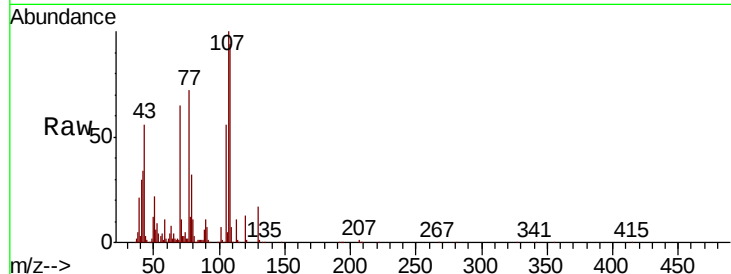
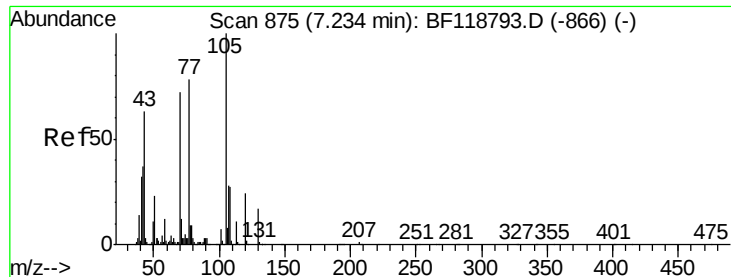
Tot Ion:107 Resp: 450924
Ion Ratio Lower Upper
107 100
108 111.3 89.3 133.9
77 48.5 36.2 54.2
79 48.2 36.3 54.5



#18
Hexachloroethane
Concen: 48.010 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:117 Resp: 211455
Ion Ratio Lower Upper
117 100
119 96.5 77.4 116.0
201 113.1 85.1 127.7

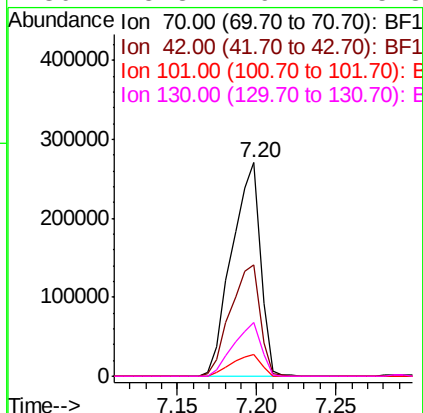




#19
n-Nitroso-di-n-propylamine
Concen: 48.144 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

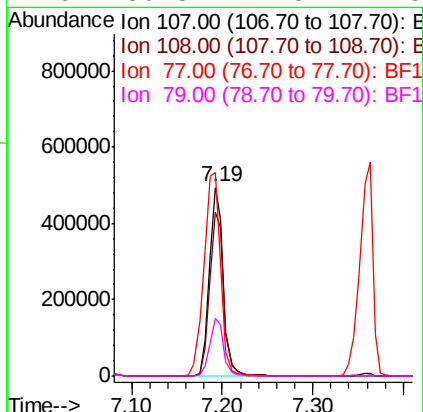
Instrument :
BNA_F
ClientSampleId :

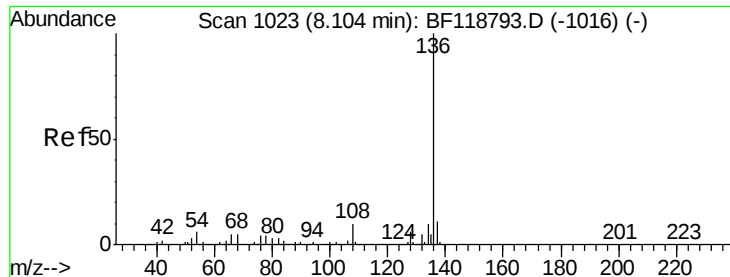
Tot Ion:	70	Resp:	339317
Ion	Ratio	Lower	Upper
70	100		
42	51.9	41.5	62.3
101	10.5	8.3	12.5
130	25.3	19.2	28.8



#20
3+4-Methylphenols
Concen: 49.302 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.03 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:	107	Resp:	531019
Ion	Ratio	Lower	Upper
107	100		
108	87.4	65.9	105.9
77	108.2	80.9	120.9
79	30.3	7.5	47.5

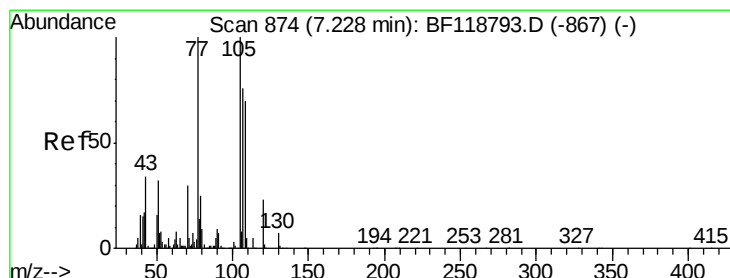
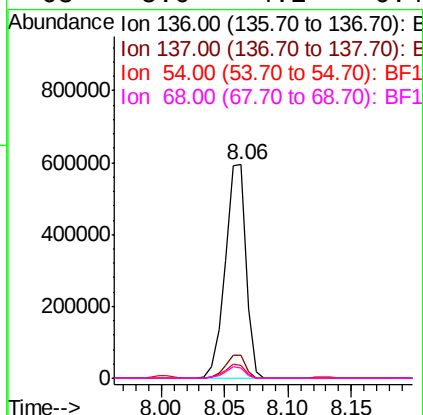
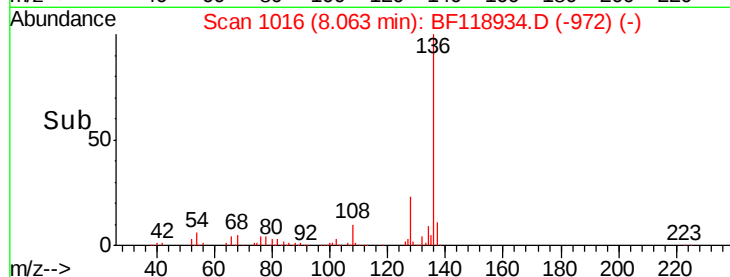
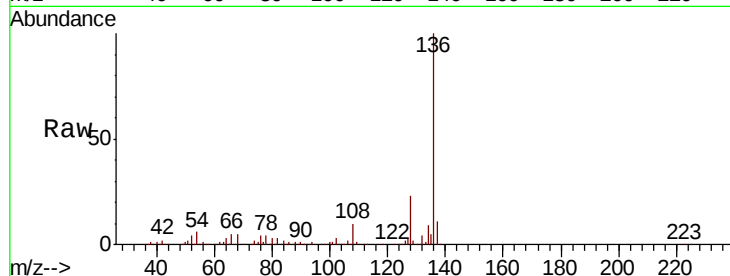




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

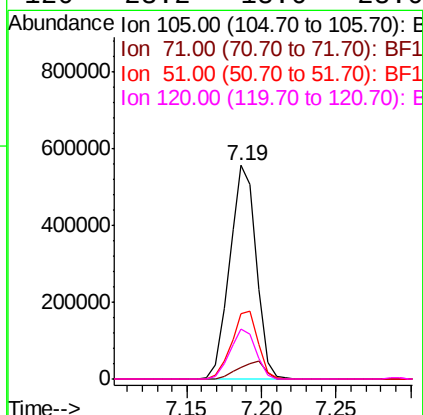
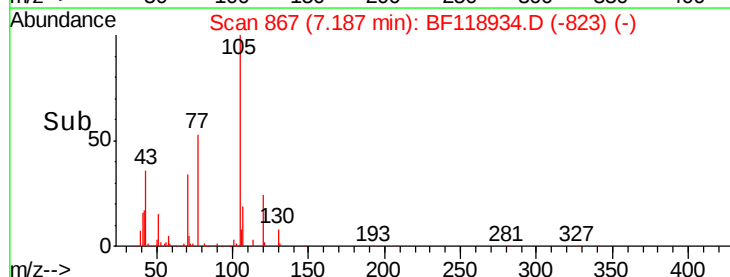
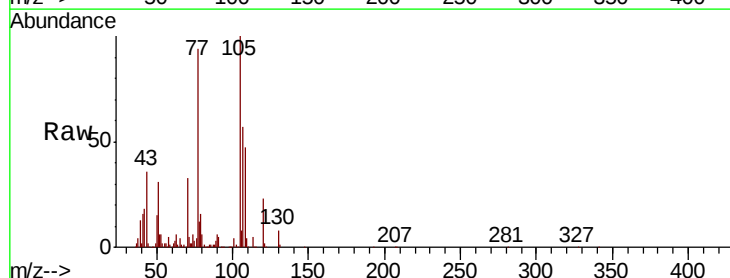
Instrument :
BNA_F
ClientSampleId :

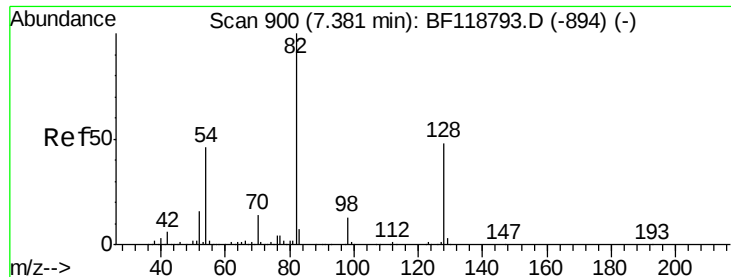
Tot Ion:136	Resp: 668907
Ion Ratio	Lower Upper
136 100	
137 10.8	8.7 13.1
54 5.7	5.0 7.6
68 5.0	4.2 6.4



#22
Acetophenone
Concen: 47.589 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion	105	Resp:	691609
Ion	Ratio	Lower	Upper
105	100		
71	5.3	4.2	6.4
51	30.6	25.5	38.3
120	23.2	18.6	28.0

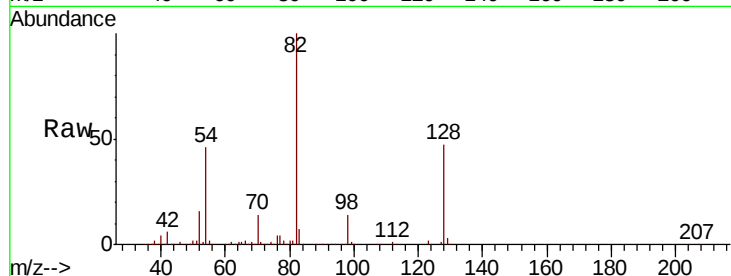




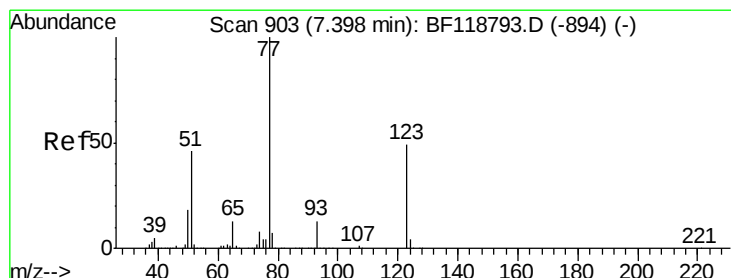
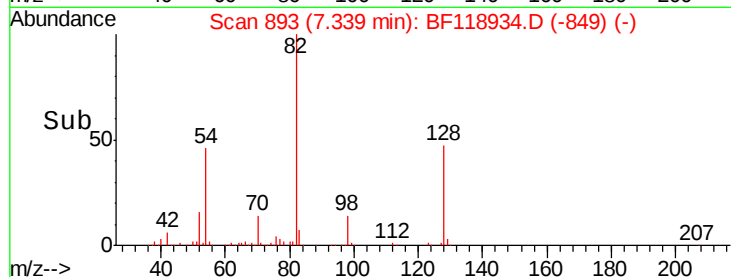
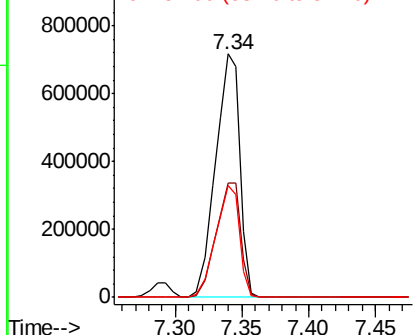
#23
Nitrobenzene-d5
Concen: 81.731 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleID :

Tot Ion: 82 Resp: 917208
Ion Ratio Lower Upper
82 100
128 47.1 38.5 57.7
54 46.0 36.7 55.1

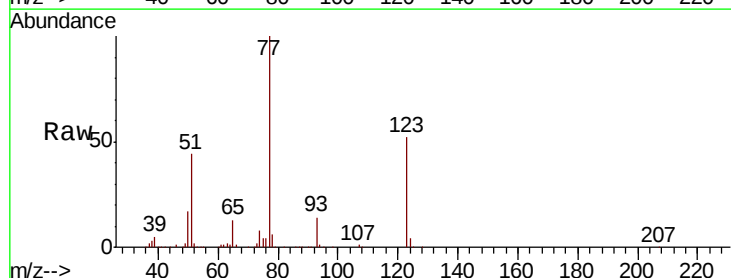


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

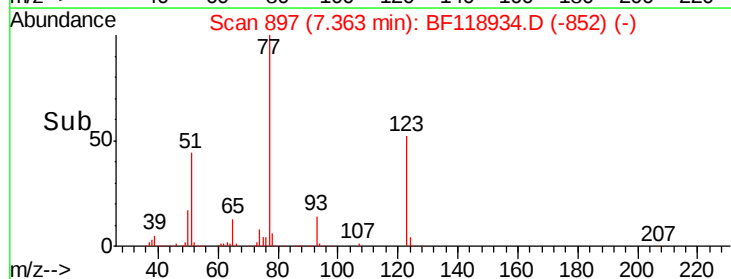
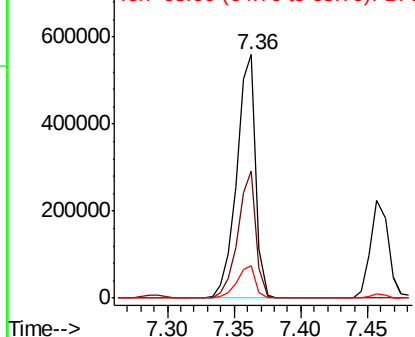


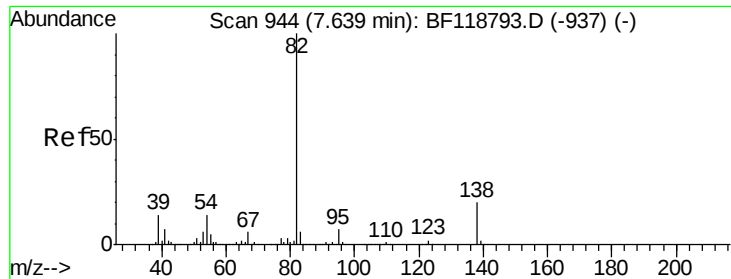
#24
Nitrobenzene
Concen: 49.569 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion: 77 Resp: 555717
Ion Ratio Lower Upper
77 100
123 52.3 39.0 58.4
65 13.4 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

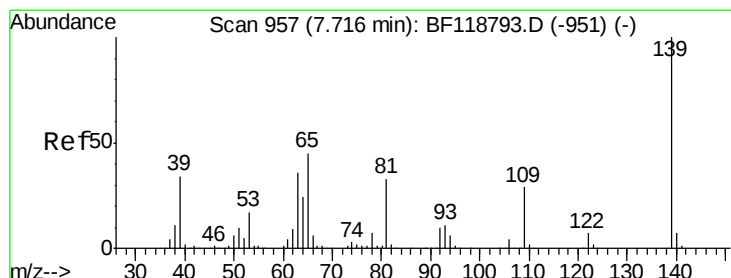
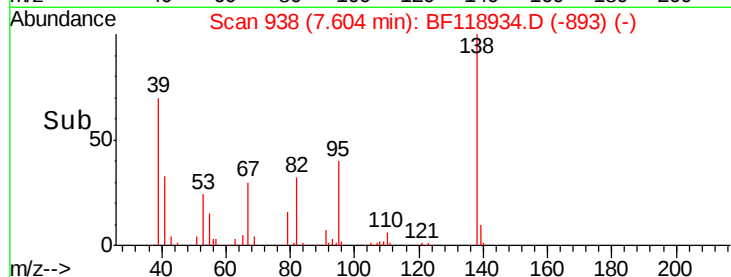
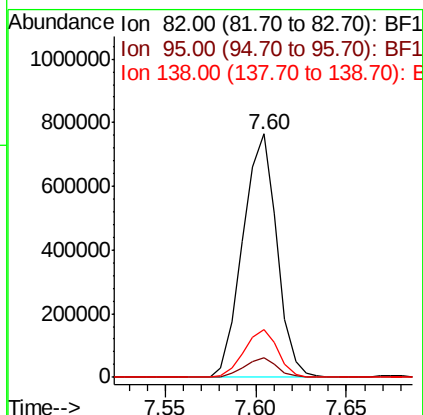
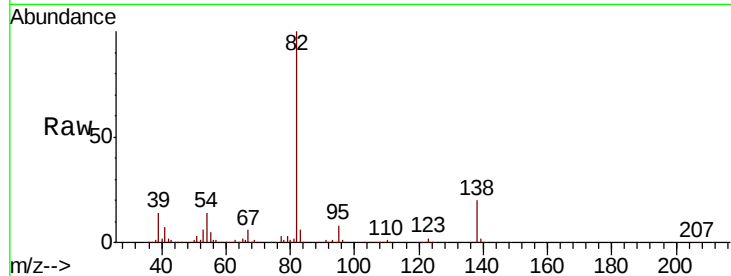




#25
Isophorone
Concen: 49.439 ng
RT: 7.60 min Scan# 938
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

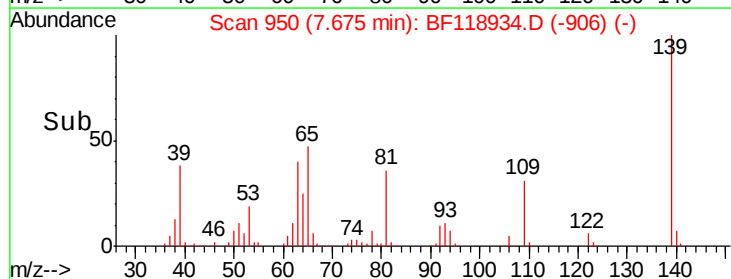
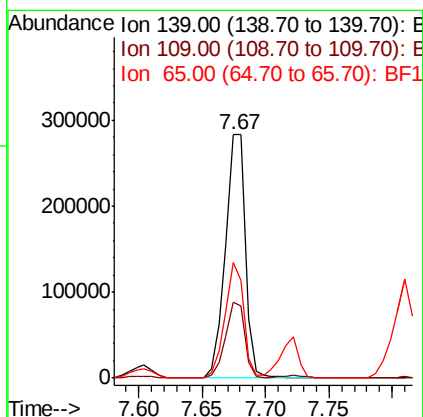
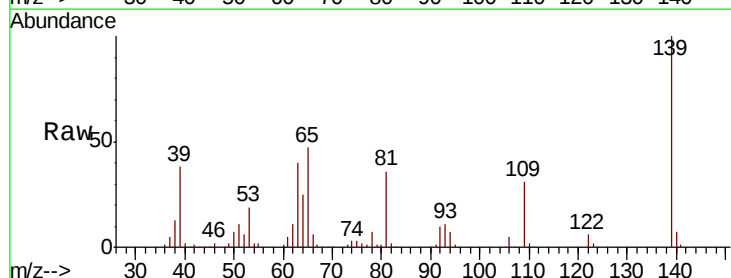
Instrument :
BNA_F
ClientSampled :

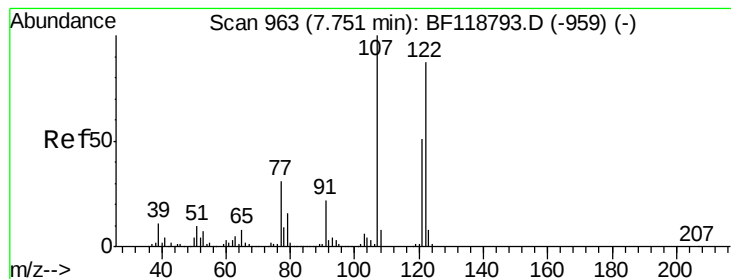
Tot Ion: 82 Resp: 997136
Ion Ratio Lower Upper
82 100
95 7.9 6.0 9.0
138 19.7 15.7 23.5



#26
2-Nitrophenol
Concen: 51.973 ng
RT: 7.67 min Scan# 950
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion: 139 Resp: 310482
Ion Ratio Lower Upper
139 100
109 31.3 23.4 35.0
65 47.4 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 59.193 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

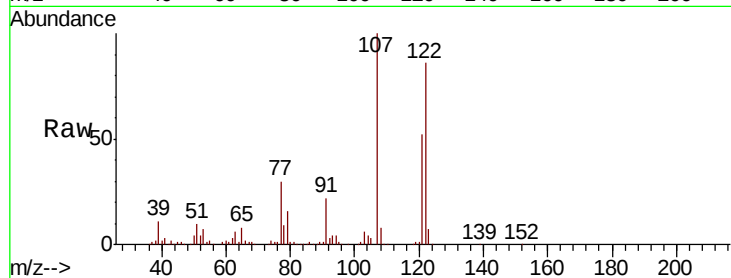
Tot Ion:122 Resp: 480351

Ion Ratio Lower Upper

122 100

107 116.0 92.2 138.2

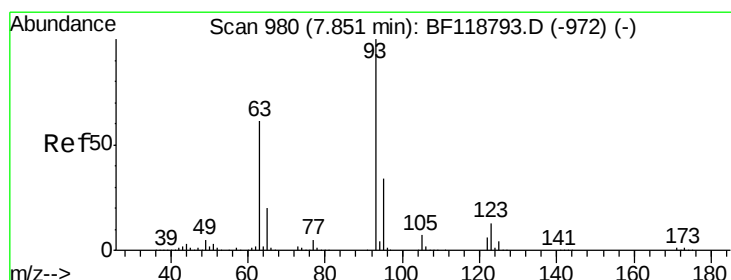
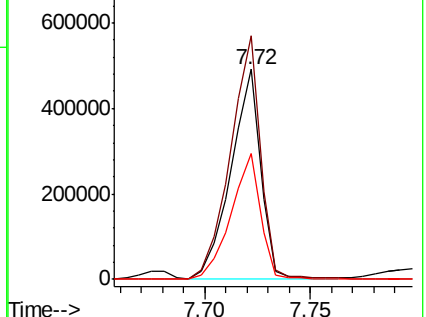
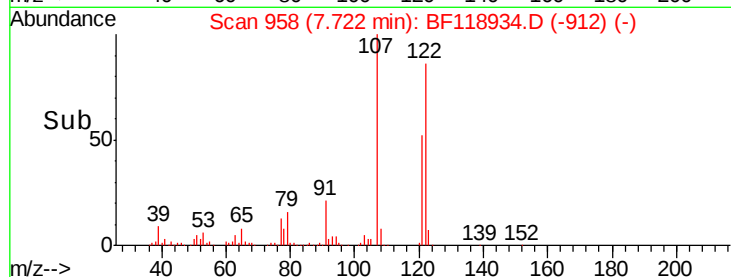
121 59.7 46.8 70.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 46.744 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

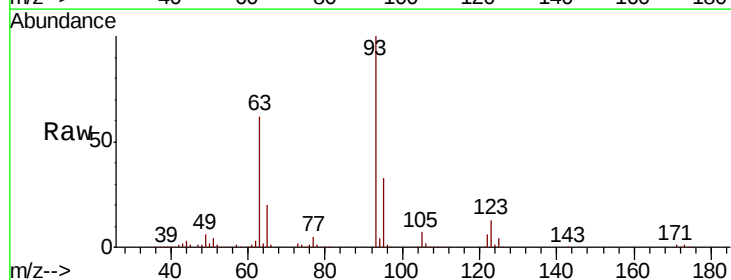
Tgt Ion: 93 Resp: 611336

Ion Ratio Lower Upper

93 100

95 32.8 27.0 40.4

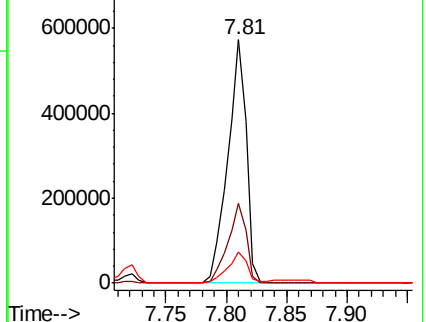
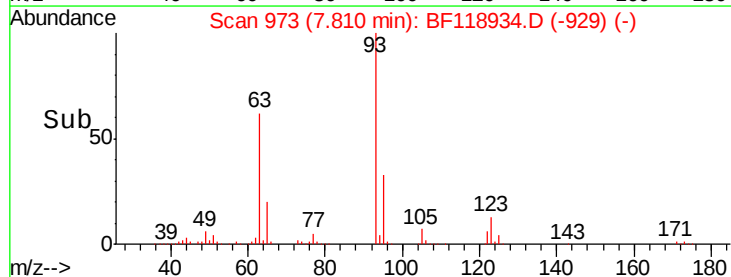
123 12.8 10.6 15.8

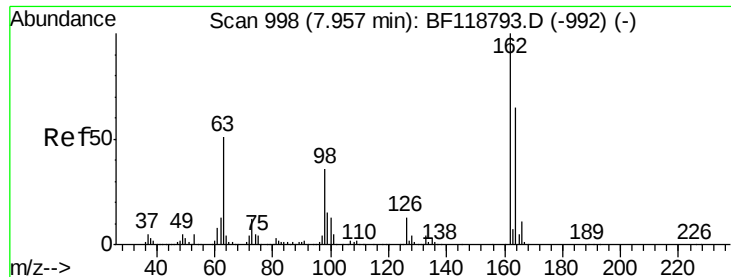


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

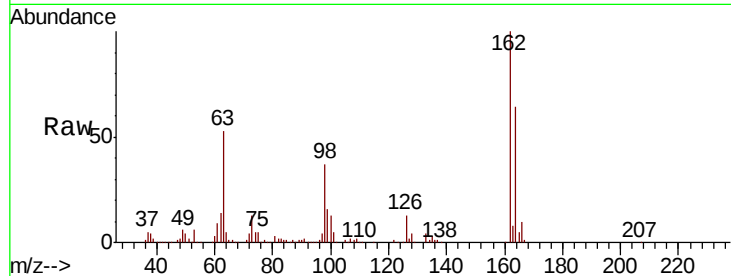




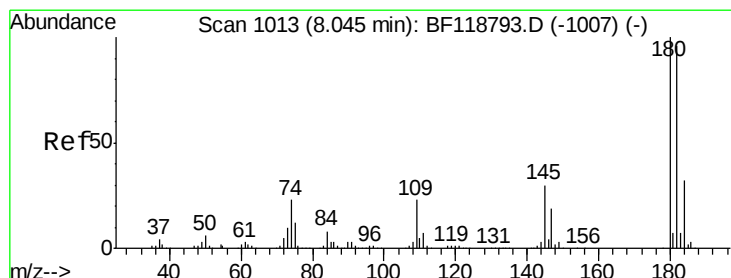
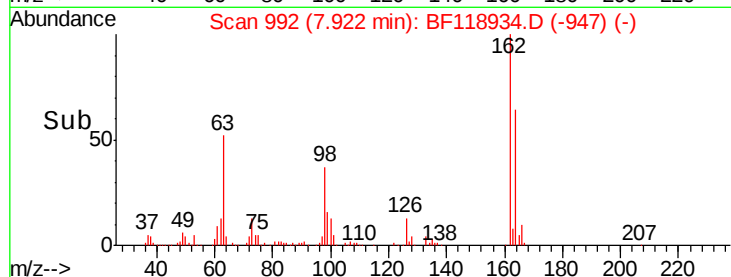
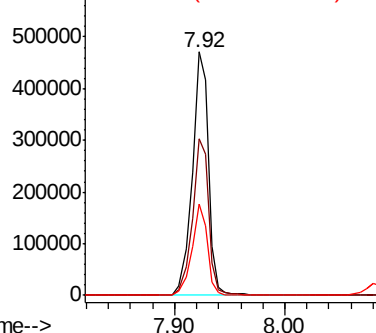
#29
2,4-Dichlorophenol
Concen: 49.733 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.8	84.8
98	37.5	16.4	56.4

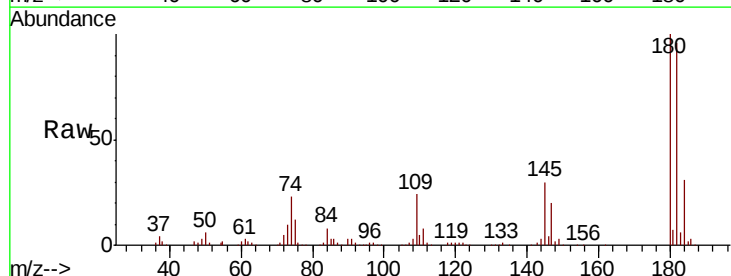


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

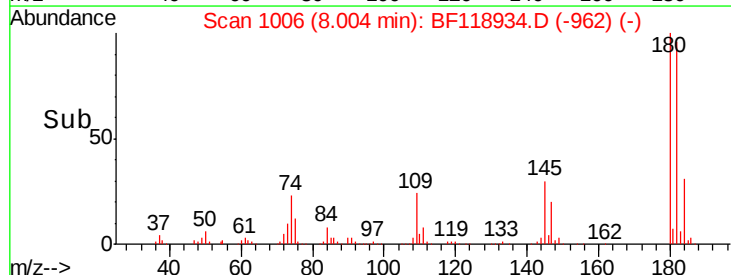
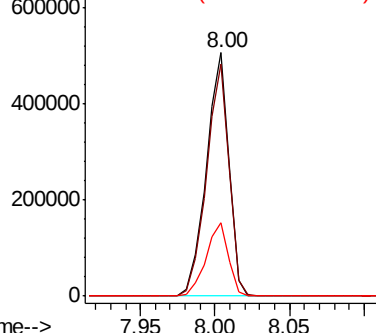


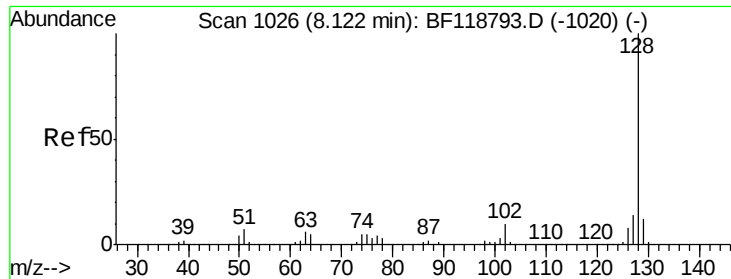
#30
1,2,4-Trichlorobenzene
Concen: 46.966 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	115.0
145	30.4	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

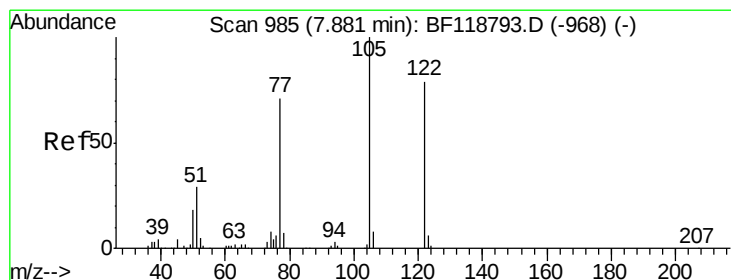
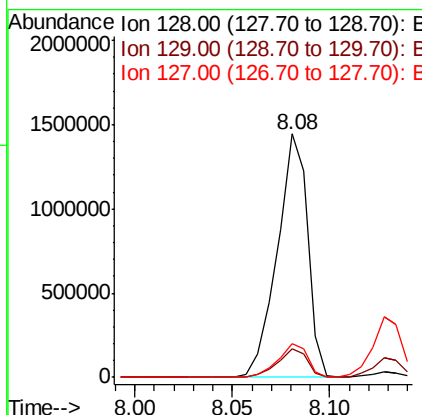
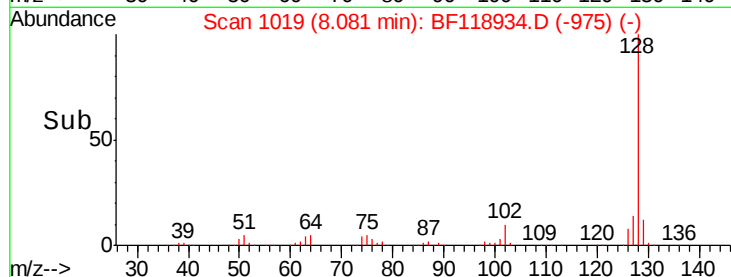
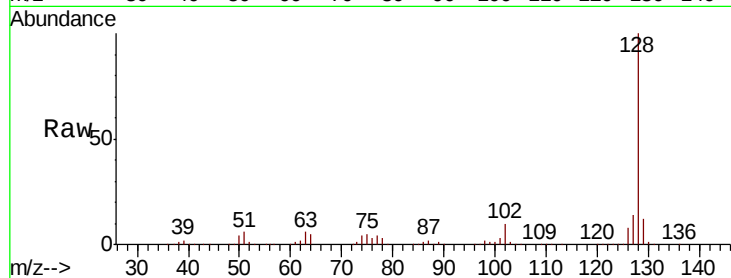




#31
Naphthalene
Concen: 50.775 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

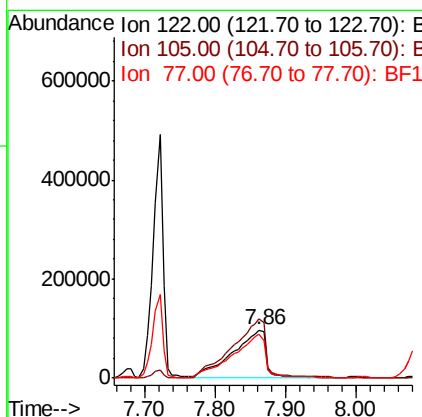
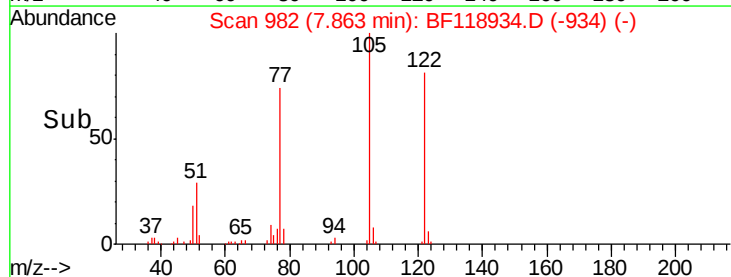
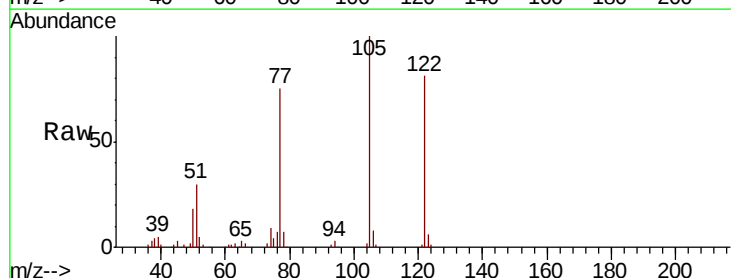
Instrument :
BNA_F
ClientSampleId :

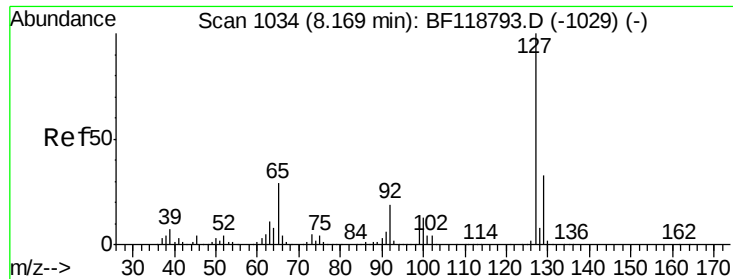
Tot Ion:128 Resp: 1553352
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.2
127 13.7 11.3 16.9



#32
Benzoic acid
Concen: 47.512 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:122 Resp: 319224
Ion Ratio Lower Upper
122 100
105 122.8 104.4 144.4
77 91.6 69.3 109.3

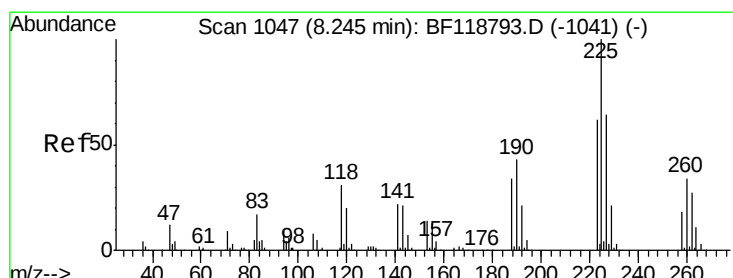
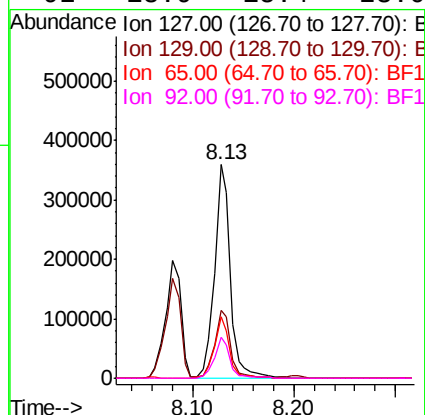
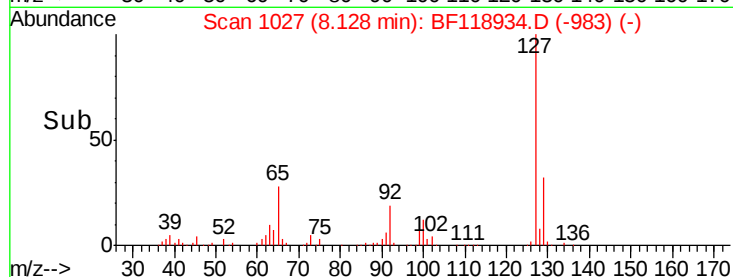
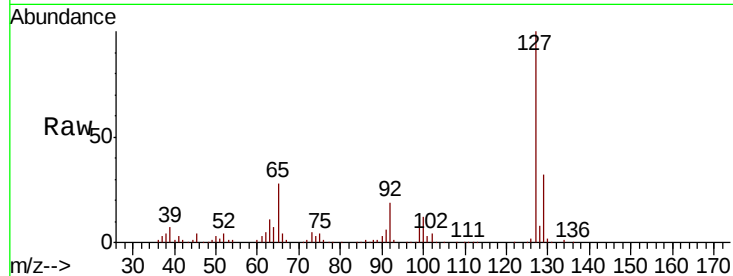




#33
4-Chloroaniline
Concen: 28.562 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

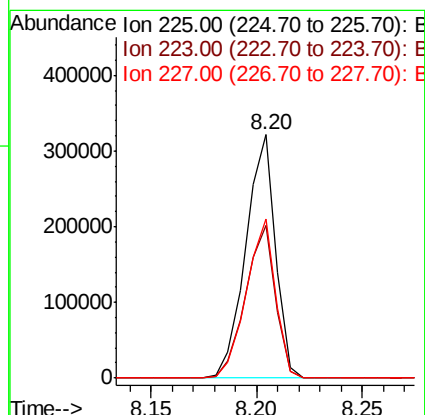
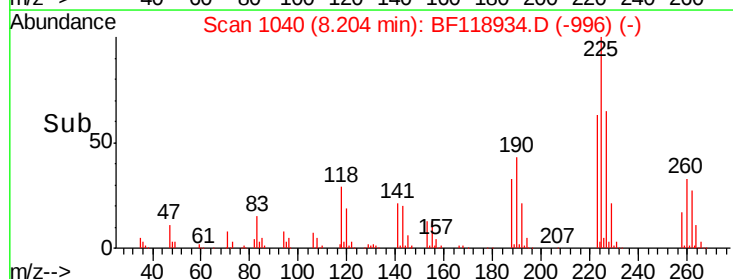
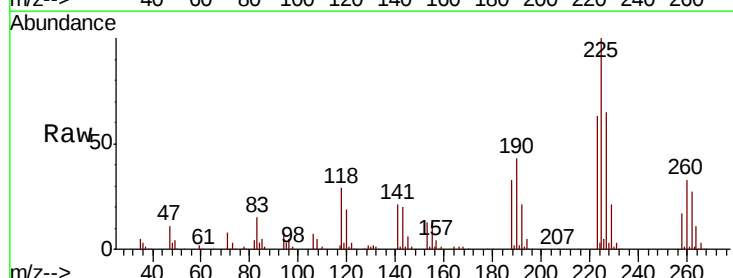
Instrument :
BNA_F
ClientSampled :

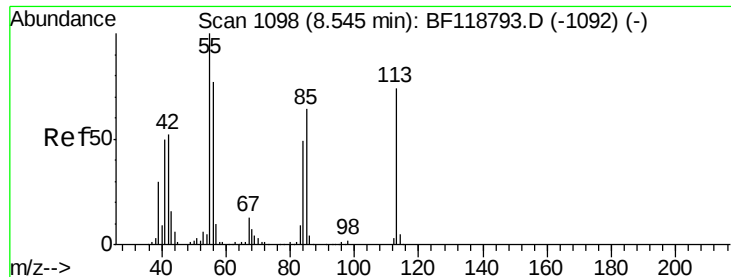
Tot Ion:	127	Resp:	390929
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.7	40.1
65	28.5	22.9	34.3
92	18.9	15.4	23.0



#34
Hexachlorobutadiene
Concen: 44.925 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:	225	Resp:	312652
Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.8	74.8
227	65.2	51.0	76.4

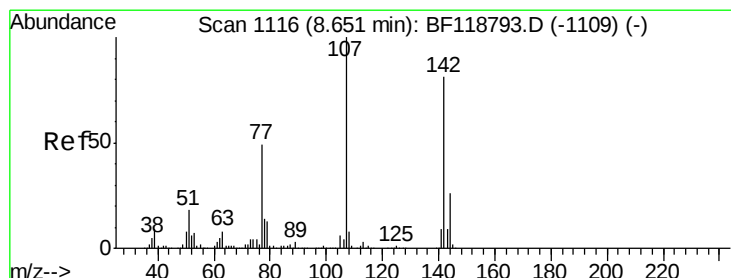
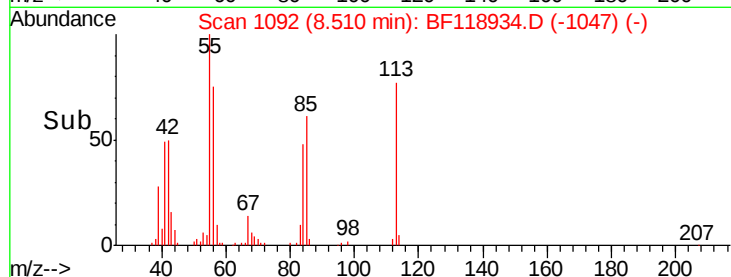
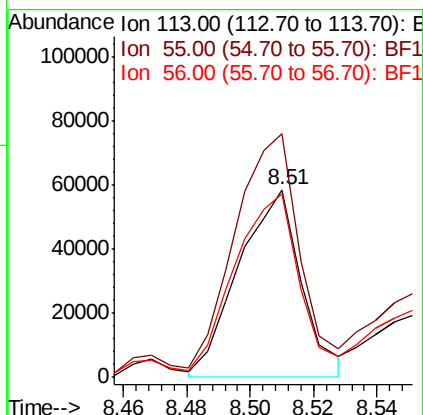
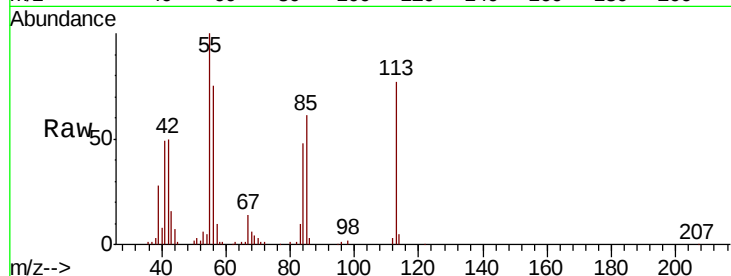




#35
 Caprolactam
 Concen: 25.379 ng
 RT: 8.51 min Scan# 1092
 Delta R.T. -0.04 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

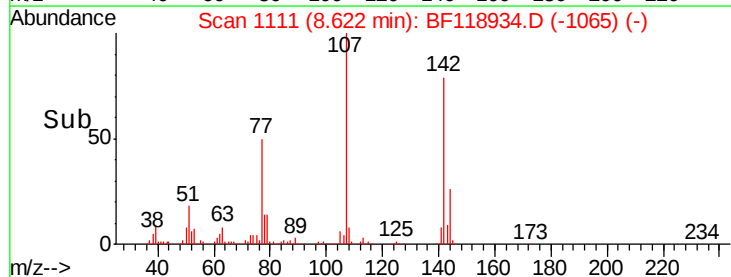
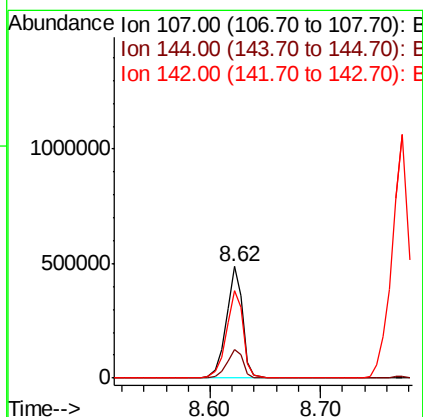
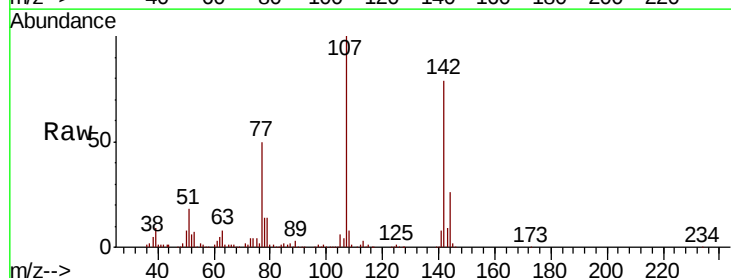
Instrument :
 BNA_F
 ClientSampleId :

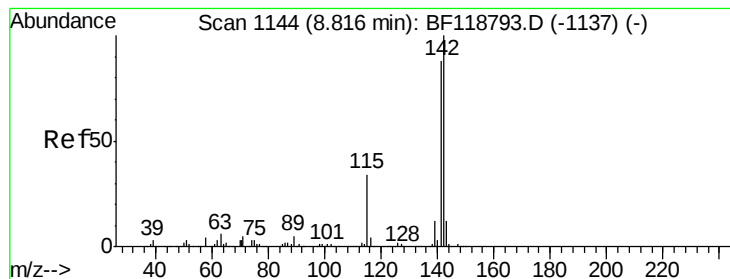
Tot Ion:113 Resp: 79957
 Ion Ratio Lower Upper
 113 100
 55 129.7 115.5 155.5
 56 97.9 83.7 123.7



#36
 4-Chloro-3-methylphenol
 Concen: 51.505 ng
 RT: 8.62 min Scan# 1111
 Delta R.T. -0.03 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Tgt Ion:107 Resp: 503736
 Ion Ratio Lower Upper
 107 100
 144 25.6 21.0 31.6
 142 78.5 64.8 97.2





#37

2-Methylnaphthalene

Concen: 50.756 ng

RT: 8.77 min Scan# 1137

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampled :

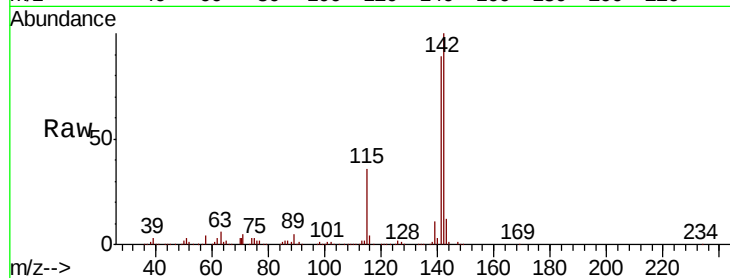
Tot Ion:142 Resp: 1076932

Ion Ratio Lower Upper

142 100

141 88.8 70.1 105.1

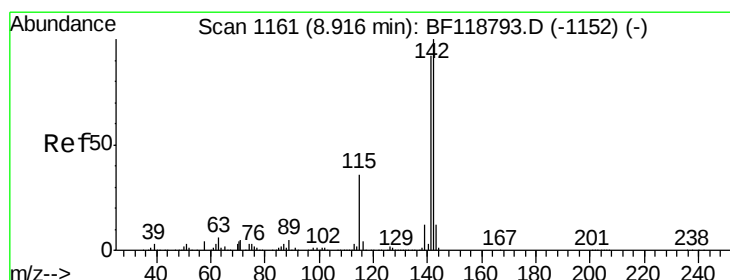
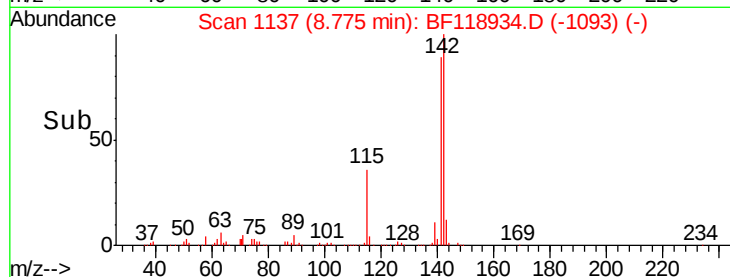
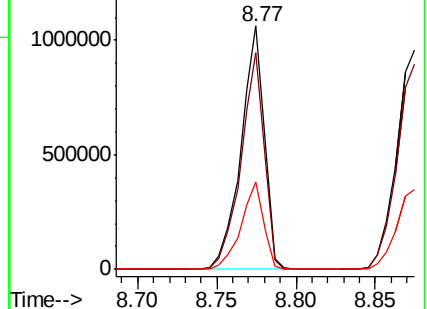
115 35.9 27.3 40.9



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: 50.453 ng

RT: 8.87 min Scan# 1154

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

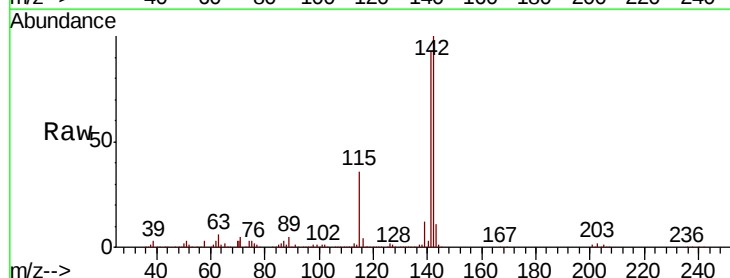
Tgt Ion:142 Resp: 1007036

Ion Ratio Lower Upper

142 100

141 93.3 73.8 110.6

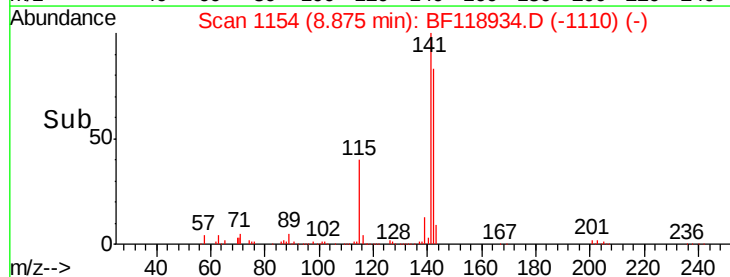
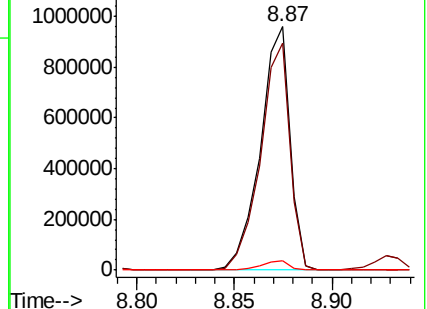
116 3.9 3.0 4.4

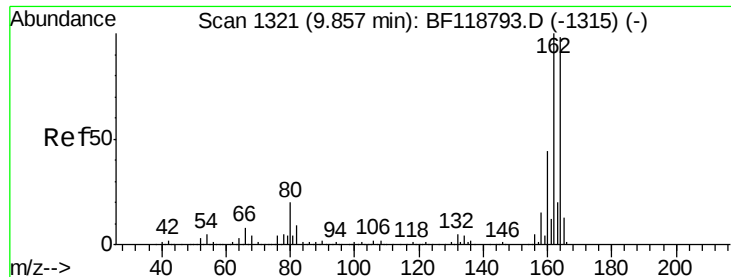


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.82 min Scan# 1314

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

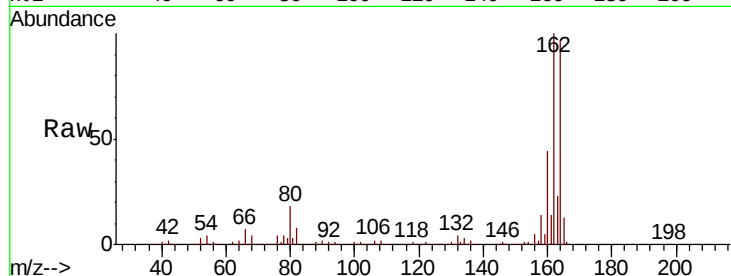
Tot Ion:164 Resp: 527587

Ion Ratio Lower Upper

164 100

162 103.1 81.4 122.2

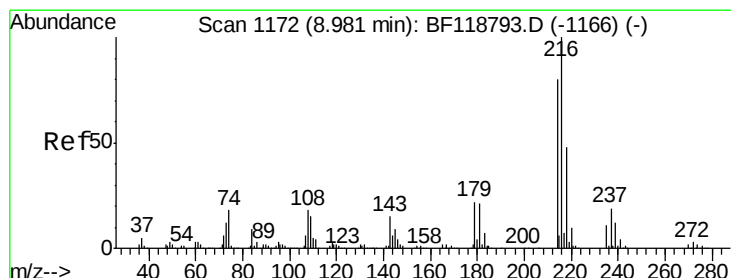
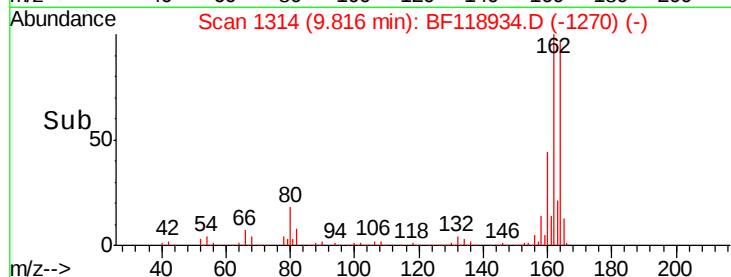
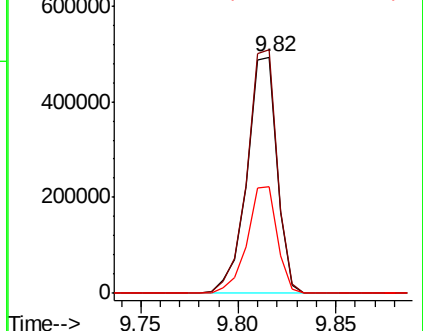
160 45.0 35.6 53.4



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: 32.725 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Tgt Ion:216 Resp: 521076

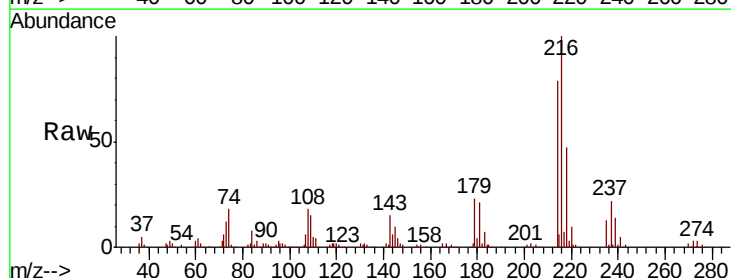
Ion Ratio Lower Upper

216 100

214 78.8 63.0 94.4

179 21.5 17.0 25.6

108 18.5 13.5 20.3

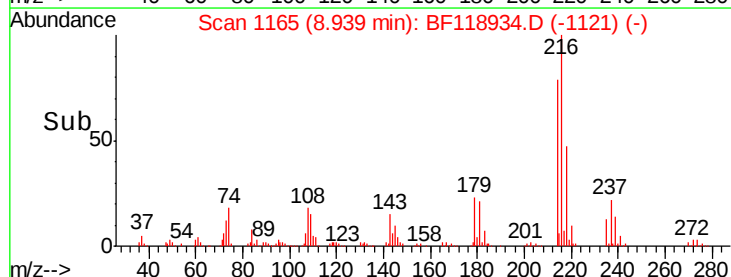
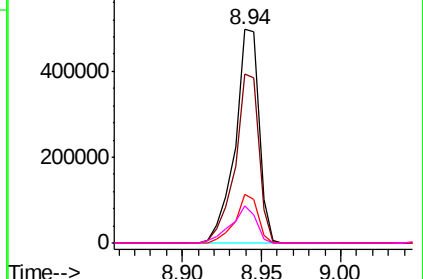


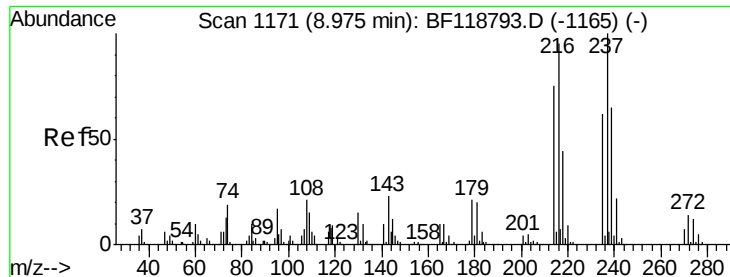
Abundance Ion 216.00 (215.70 to 216.70): E

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: 78.118 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

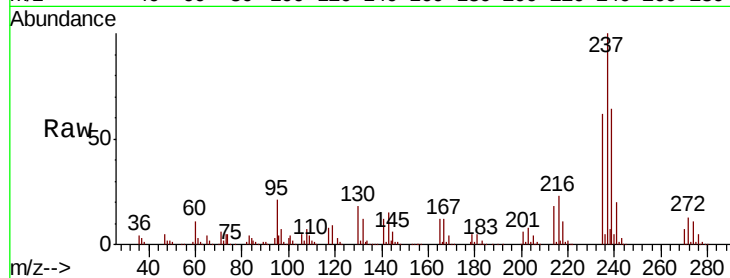
Tot Ion:237 Resp: 487740

Ion Ratio Lower Upper

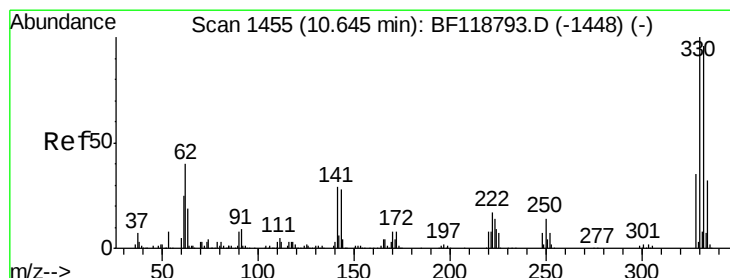
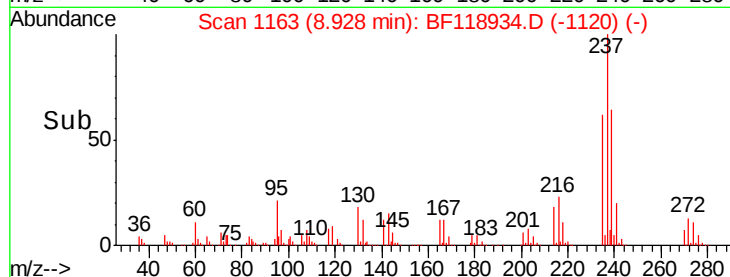
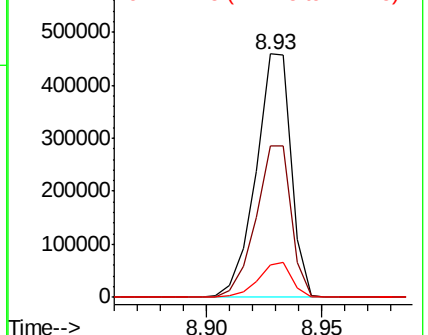
237 100

235 62.5 42.1 82.1

272 13.1 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: 117.224 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

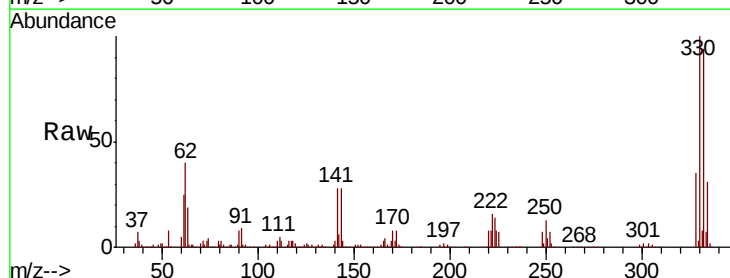
Tgt Ion:330 Resp: 740001

Ion Ratio Lower Upper

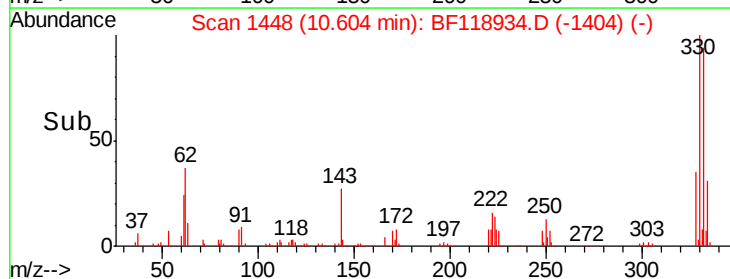
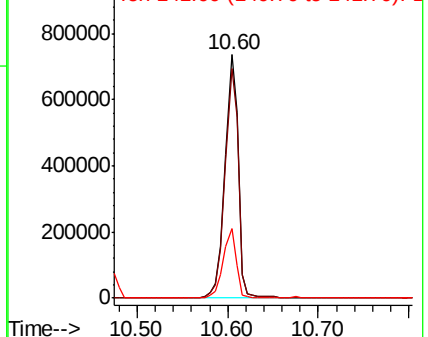
330 100

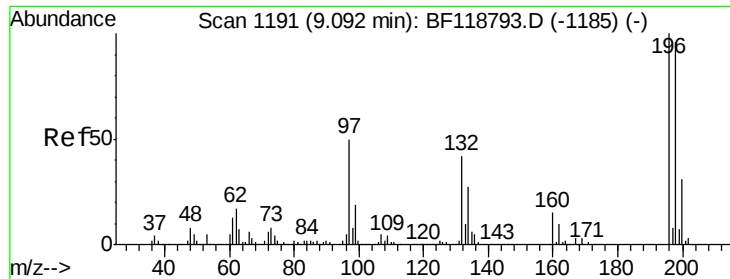
332 95.7 77.3 115.9

141 27.9 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

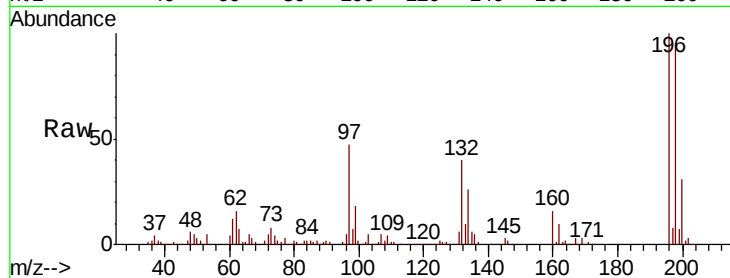




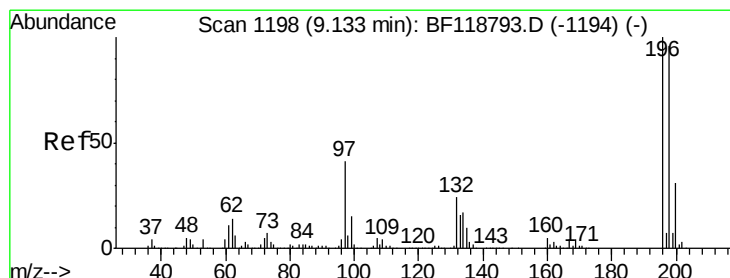
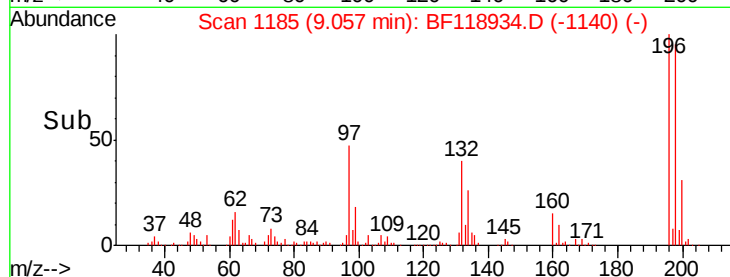
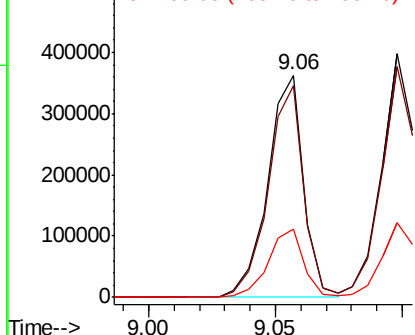
#43
 2,4,6-Trichlorophenol
 Concen: 33.604 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.04 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:196 Resp: 357806
 Ion Ratio Lower Upper
 196 100
 198 95.0 76.7 115.1
 200 30.5 24.9 37.3

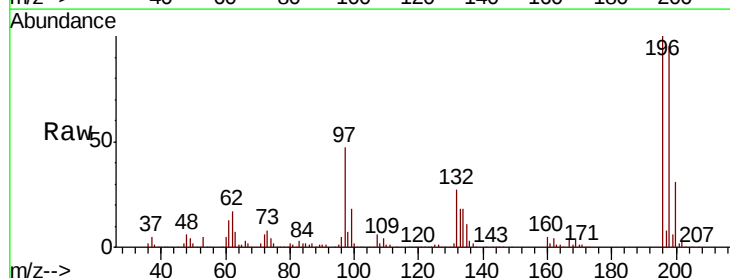


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

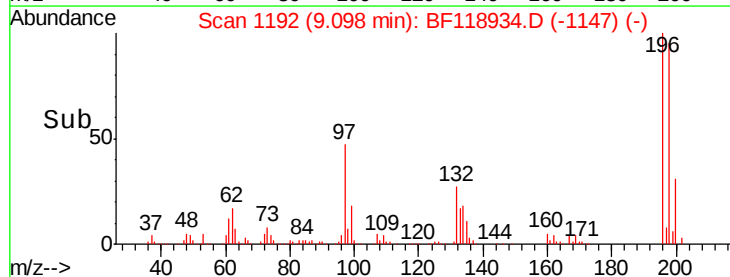
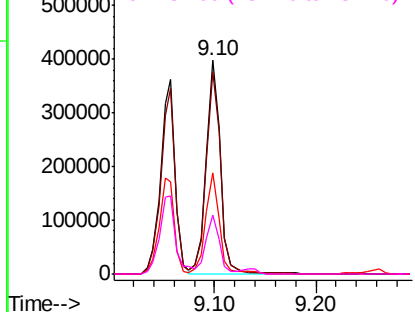


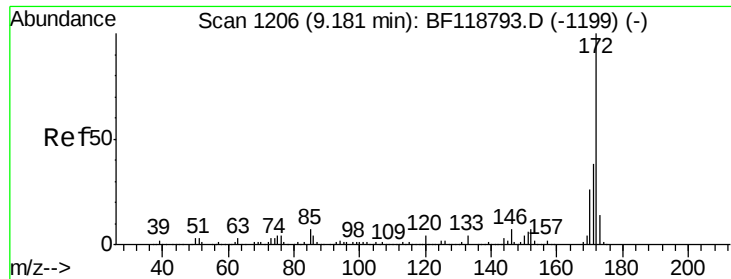
#44
 2,4,5-Trichlorophenol
 Concen: 35.298 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.04 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Tgt Ion:196 Resp: 384032
 Ion Ratio Lower Upper
 196 100
 198 94.9 77.0 115.4
 97 47.1 32.9 49.3
 132 27.3 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

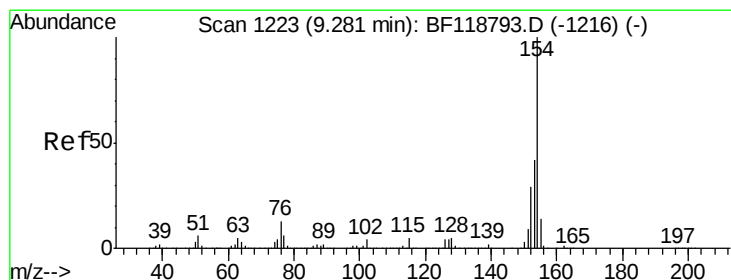
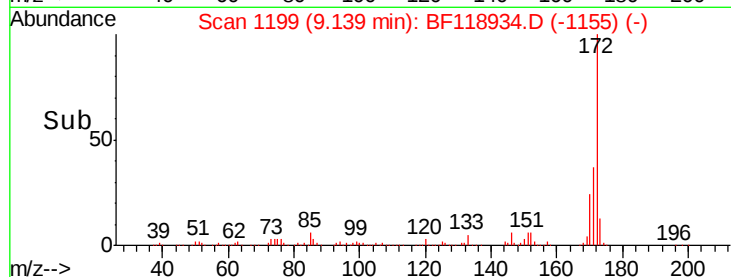
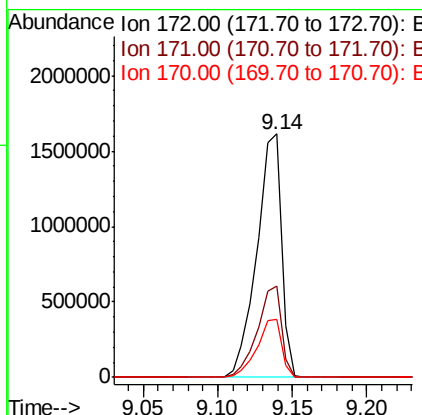
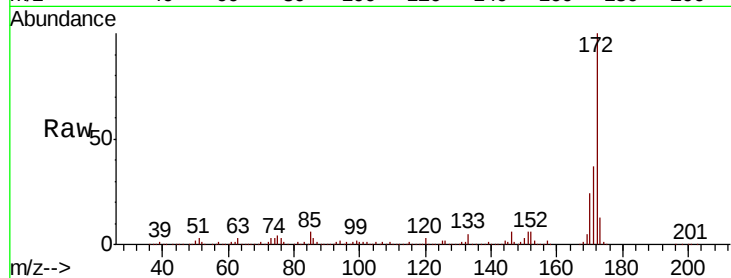




#45
2-Fluorobiphenyl
Concen: 62.216 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

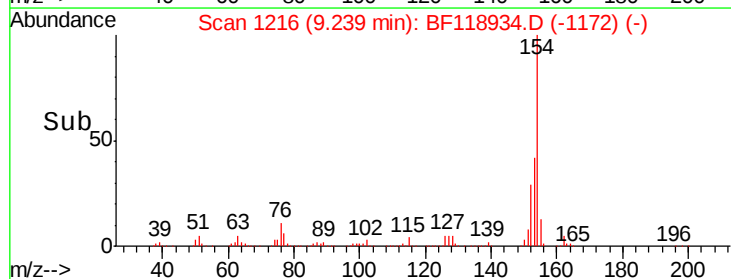
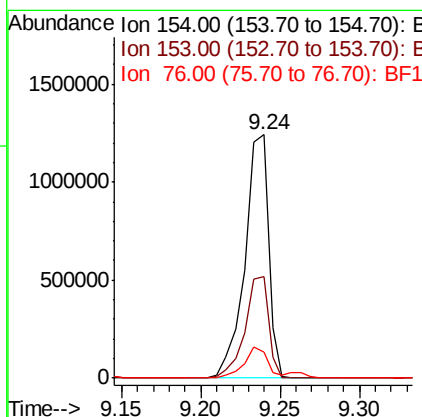
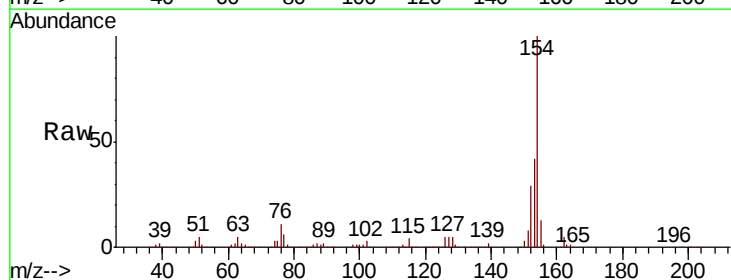
Instrument :
BNA_F
ClientSampleId :

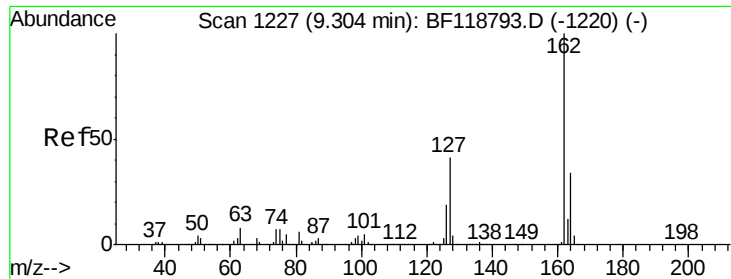
Tot Ion:172 Resp: 1836127
Ion Ratio Lower Upper
172 100
171 37.4 30.8 46.2
170 24.0 20.5 30.7



#46
1,1'-Biphenyl
Concen: 35.203 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:154 Resp: 1284760
Ion Ratio Lower Upper
154 100
153 41.7 22.4 62.4
76 10.9 0.0 32.7

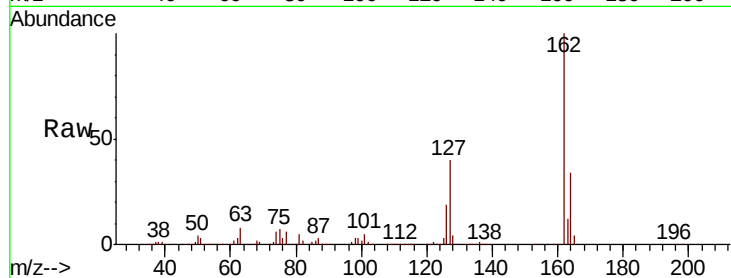




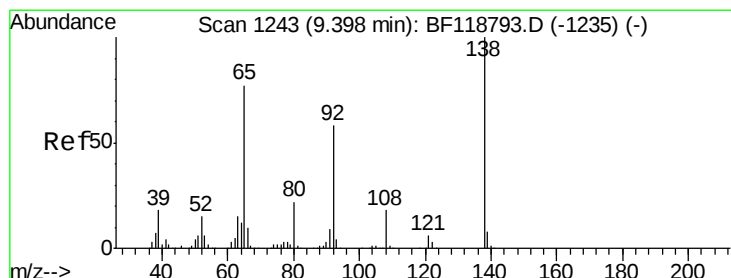
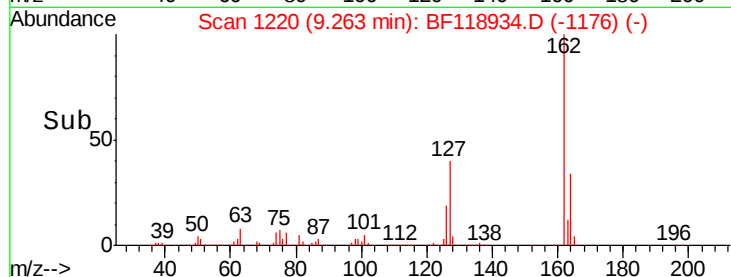
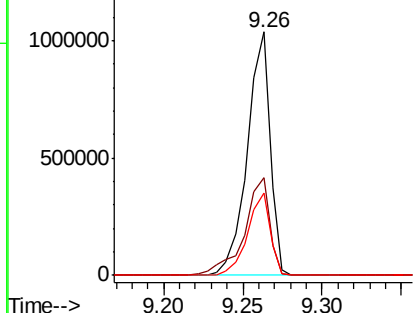
#47
 2-Chloronaphthalene
 Concen: 34.109 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.04 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 1034866
 Ion Ratio Lower Upper
 162 100
 127 39.9 33.3 49.9
 164 33.8 27.1 40.7

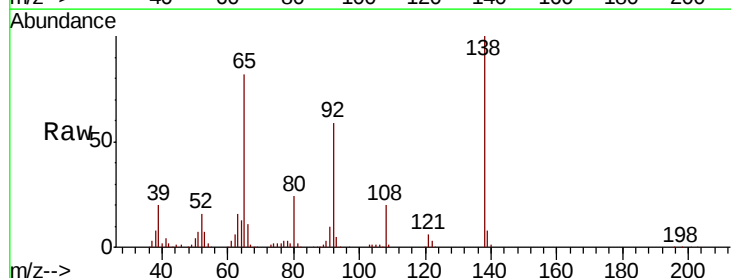


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

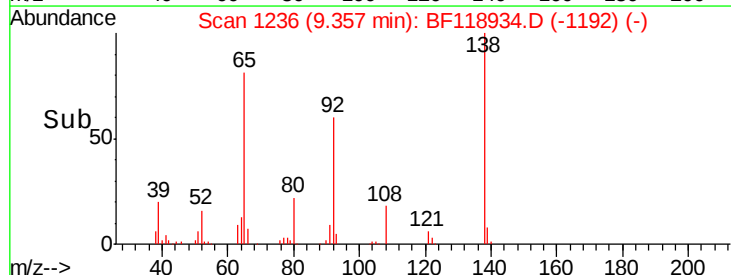
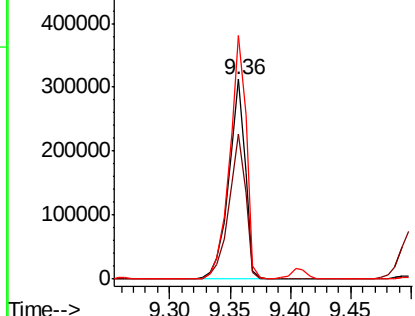


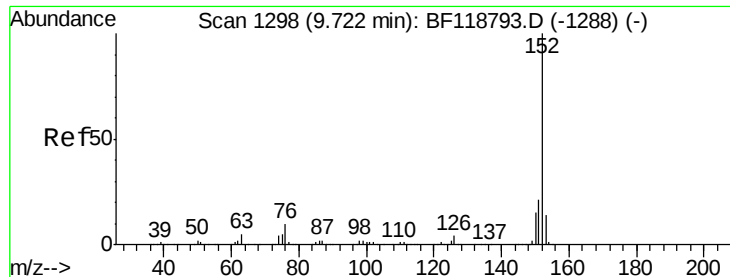
#48
 2-Nitroaniline
 Concen: 33.929 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.04 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Tgt Ion: 65 Resp: 296901
 Ion Ratio Lower Upper
 65 100
 92 72.5 60.6 91.0
 138 121.9 104.6 156.8



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: 50.442 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.05 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

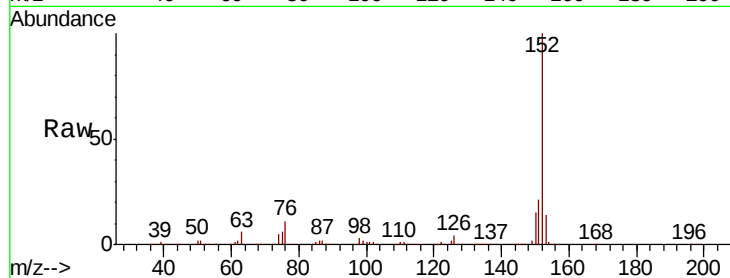
Tot Ion:152 Resp: 2209690

Ion Ratio Lower Upper

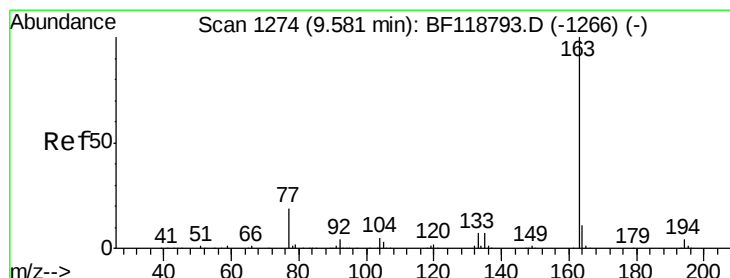
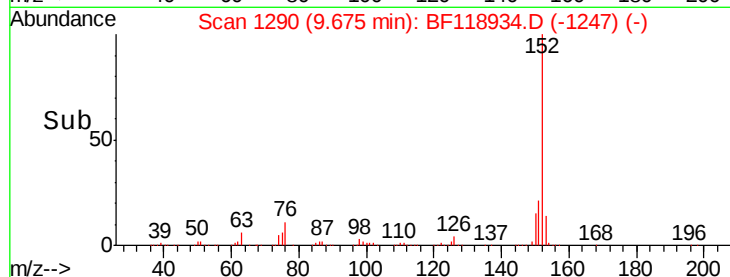
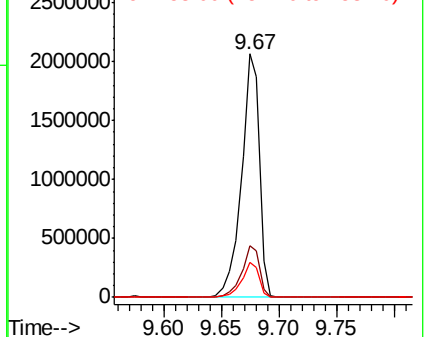
152 100

151 21.3 17.1 25.7

153 14.2 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: 34.653 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

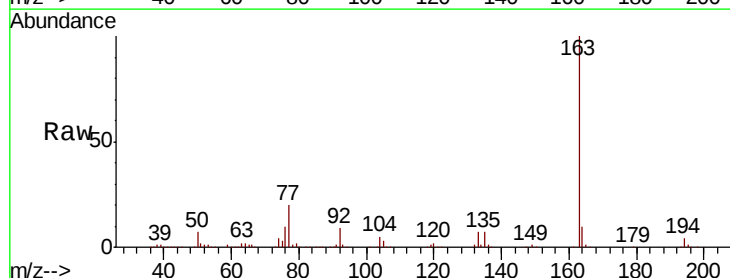
Tgt Ion:163 Resp: 1244847

Ion Ratio Lower Upper

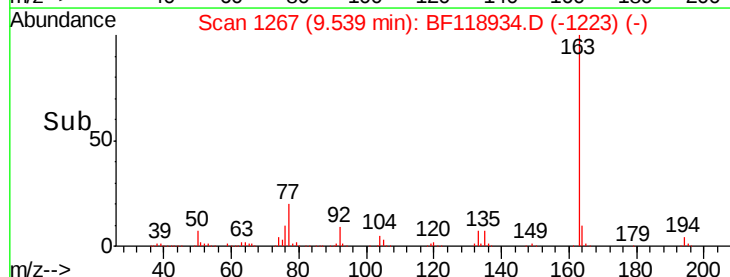
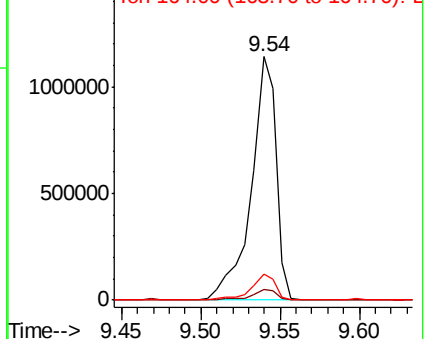
163 100

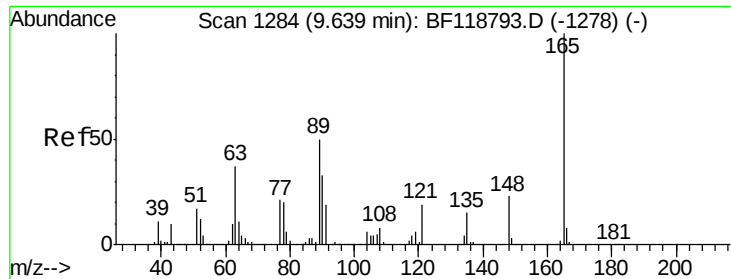
194 4.2 3.6 5.4

164 10.4 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: 45.515 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.04 min

Lab File: BF118934.D

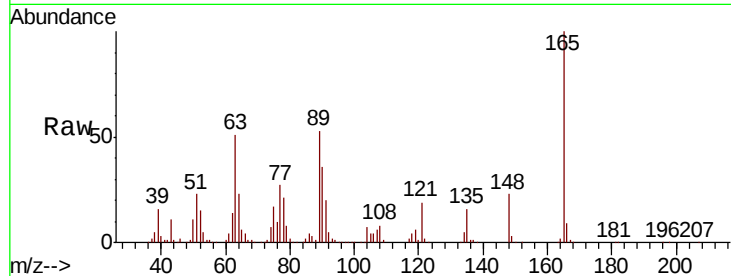
Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampled :

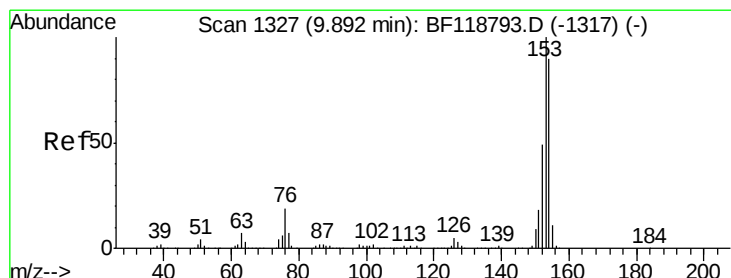
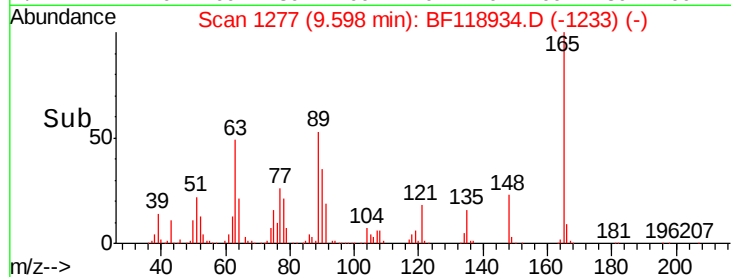
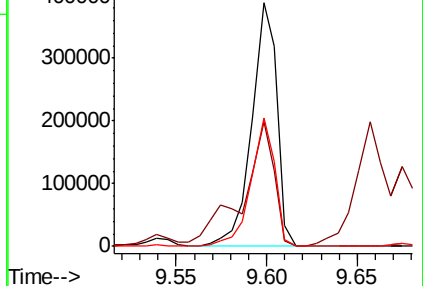
Tot Ion:165	Resp:	374119
Ion Ratio	Lower	Upper
165	100	
63	51.0	37.4 56.0
89	52.9	39.7 59.5



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: 43.903 ng

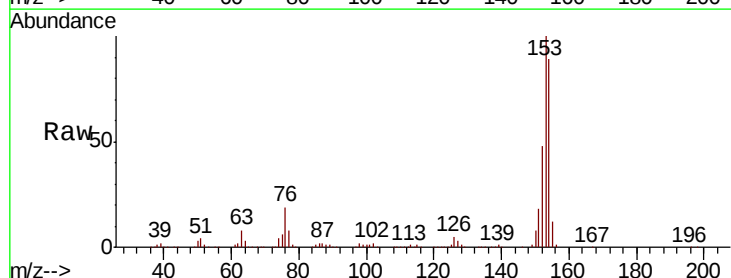
RT: 9.85 min Scan# 1319

Delta R.T. -0.05 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

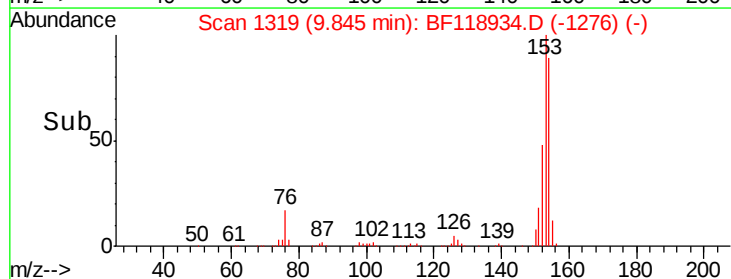
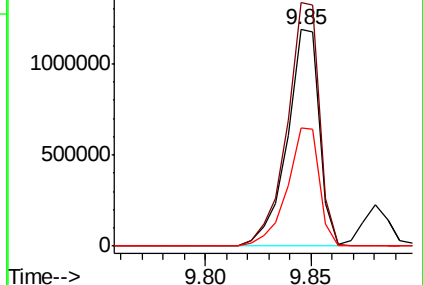
Tgt Ion:154	Resp:	1267350
Ion Ratio	Lower	Upper
154	100	
153	112.4	89.4 134.0
152	54.3	43.6 65.4

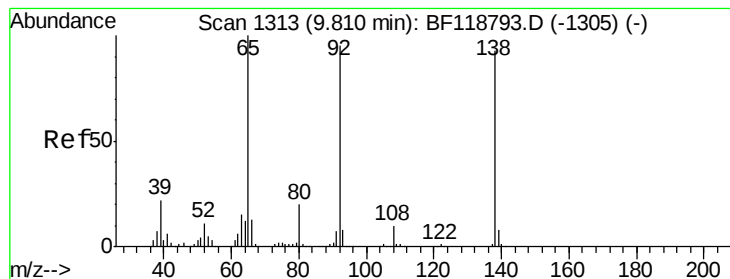


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 30.373 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

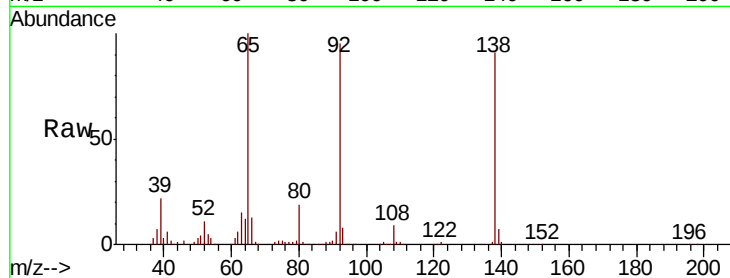
Tot Ion:138 Resp: 276877

Ion Ratio Lower Upper

138 100

108 10.4 8.5 12.7

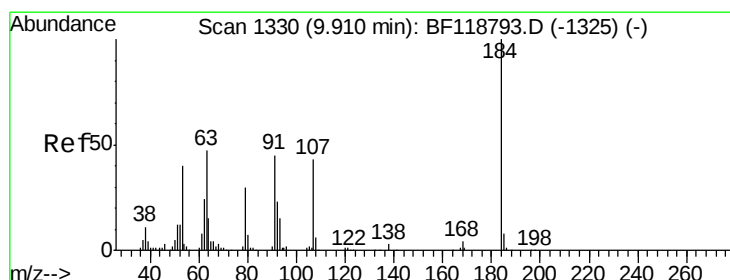
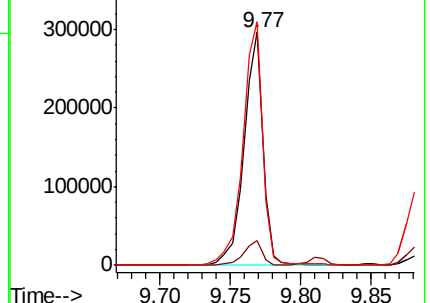
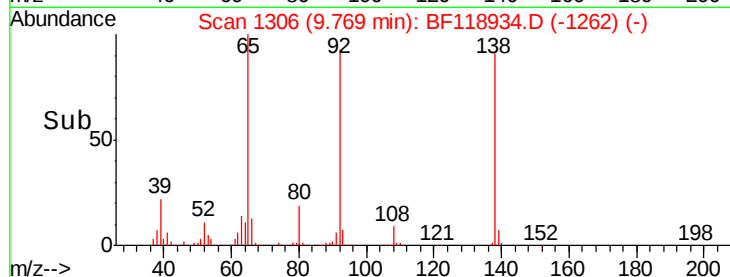
92 104.6 82.2 123.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 94.635 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.03 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

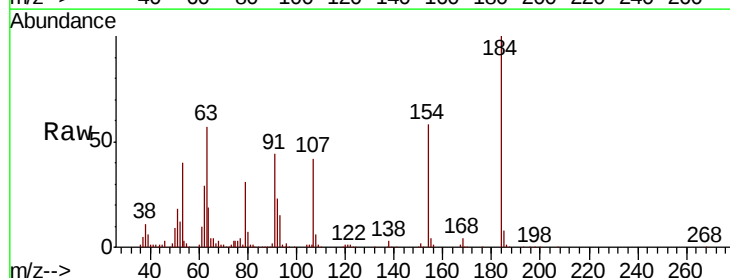
Tgt Ion:184 Resp: 373953

Ion Ratio Lower Upper

184 100

63 56.8 47.5 71.3

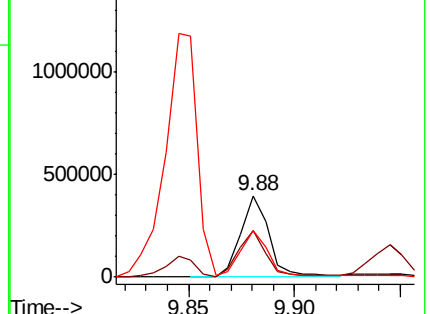
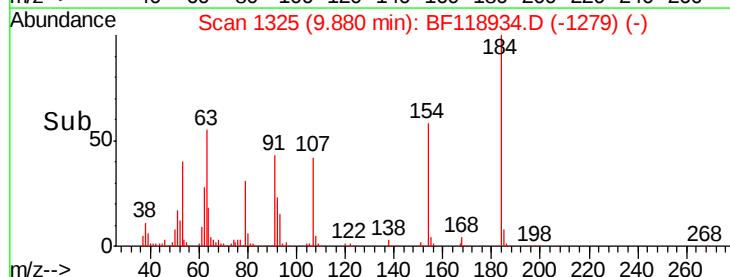
154 57.5 48.6 72.8

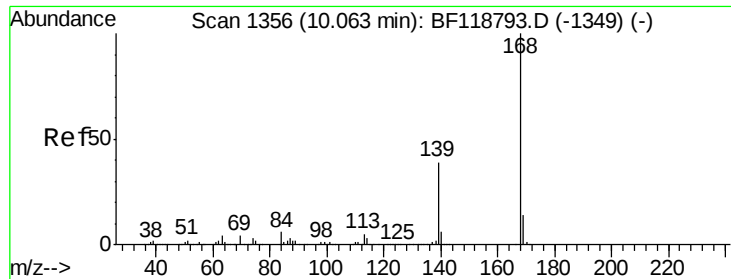


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

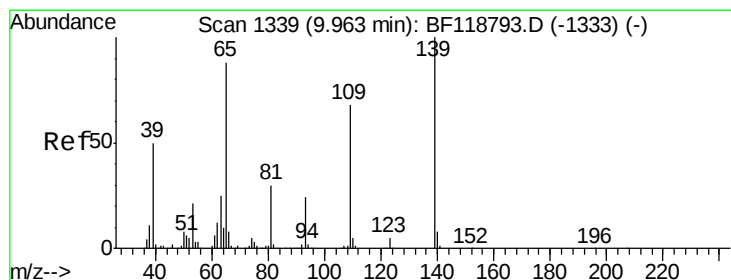
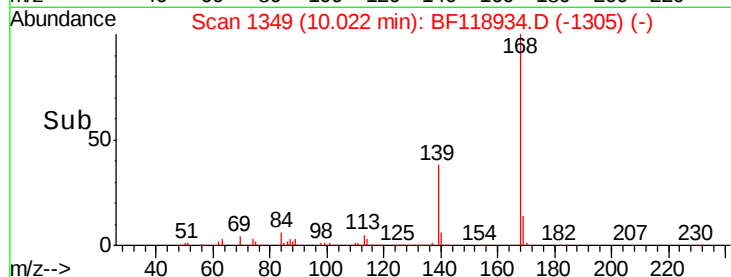
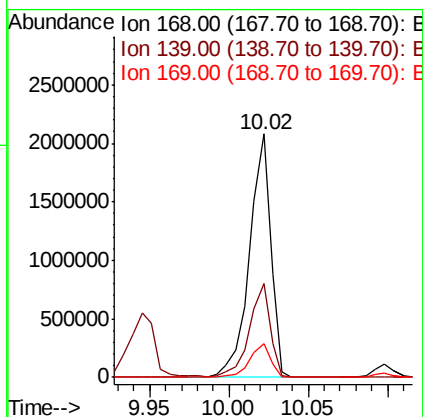
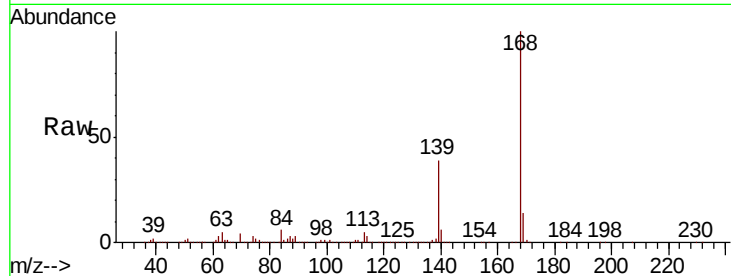




#55
Dibenzofuran
Concen: 46.351 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

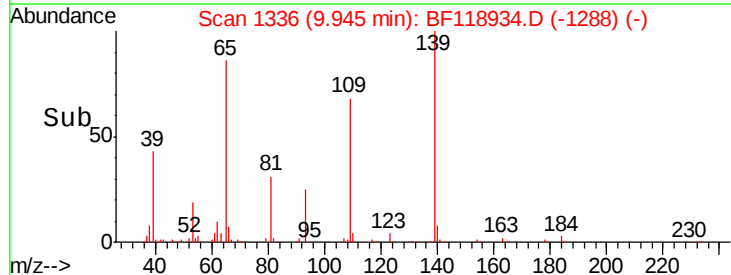
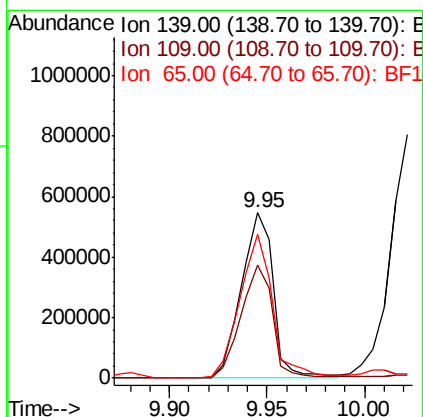
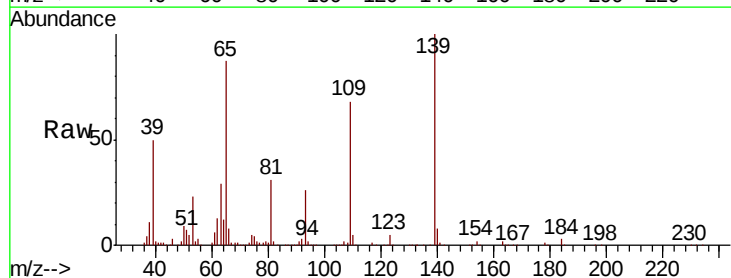
Instrument :
BNA_F
ClientSampled :

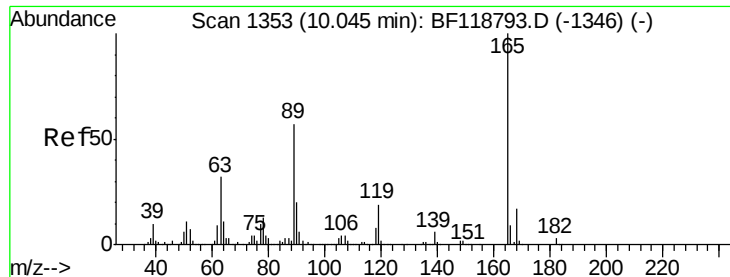
Tot Ion:168 Resp: 1933637
Ion Ratio Lower Upper
168 100
139 38.7 31.6 47.4
169 14.0 11.4 17.2



#56
4-Nitrophenol
Concen: 94.170 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:139 Resp: 621290
Ion Ratio Lower Upper
139 100
109 68.4 48.0 88.0
65 86.9 68.3 108.3

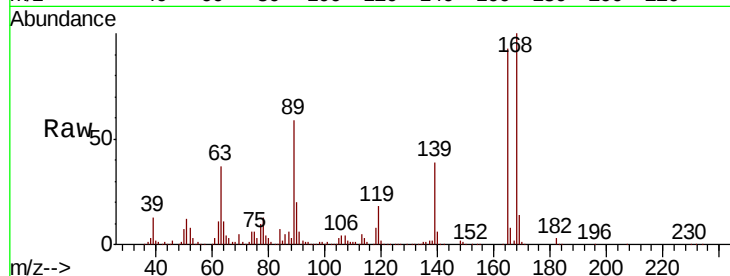




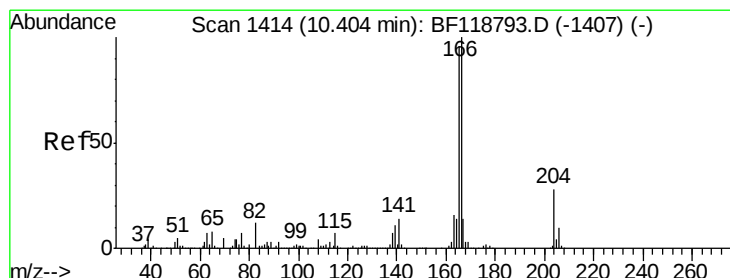
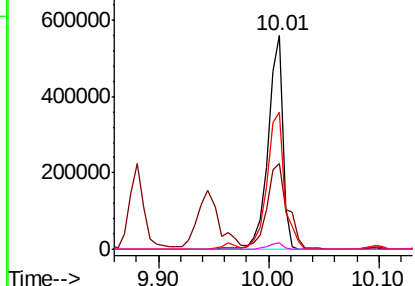
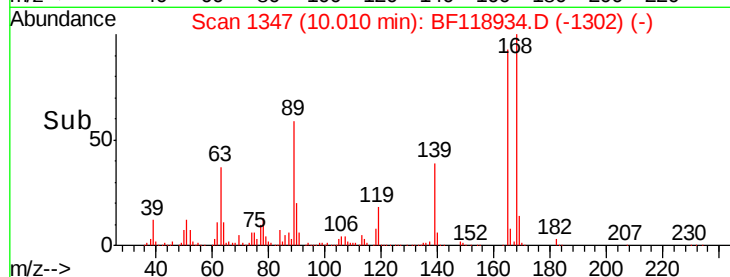
#57
2,4-Dinitrotoluene
Concen: 48.371 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 526172
Ion Ratio Lower Upper
165 100
63 40.0 25.5 38.3#
89 63.9 45.4 68.0
182 3.0 2.4 3.6

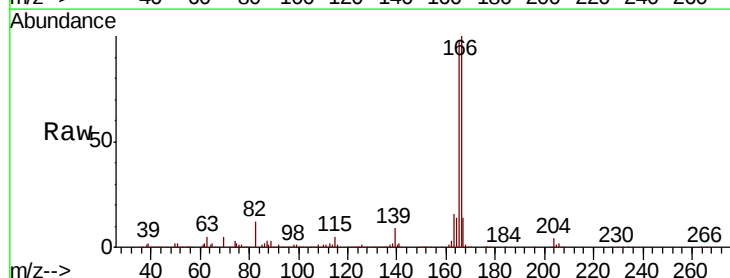


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

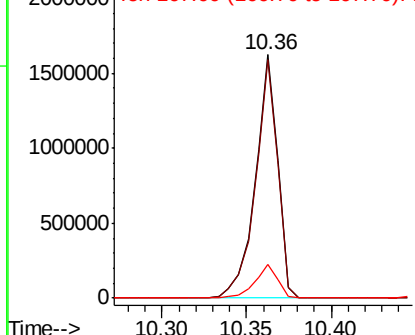
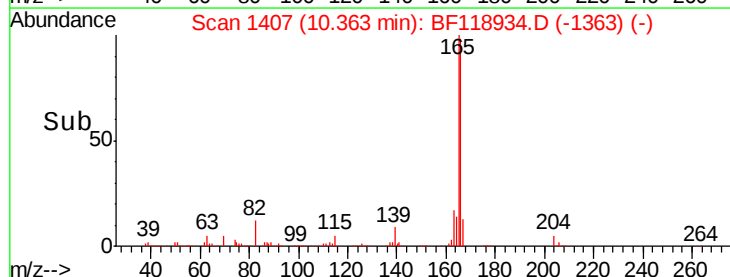


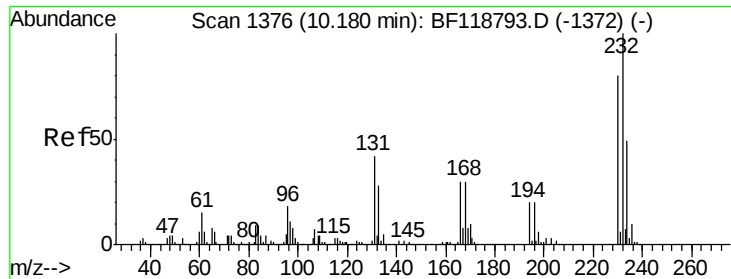
#58
Fluorene
Concen: 47.591 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:166 Resp: 1493636
Ion Ratio Lower Upper
166 100
165 98.0 77.0 115.6
167 13.8 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

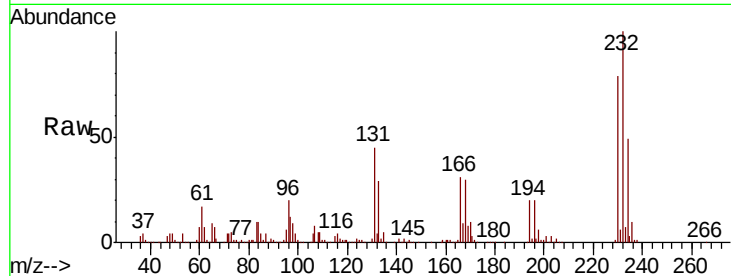




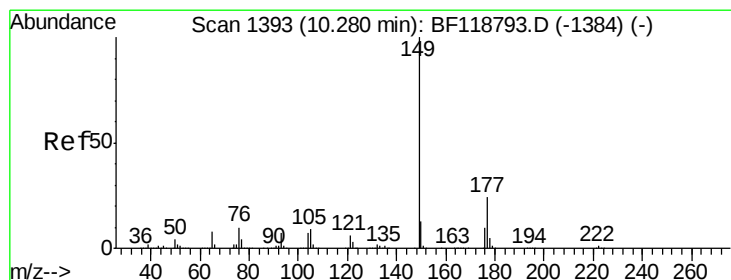
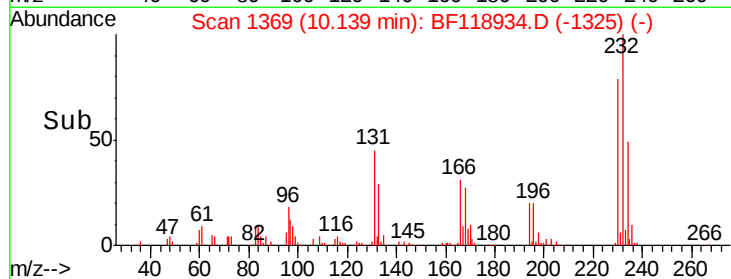
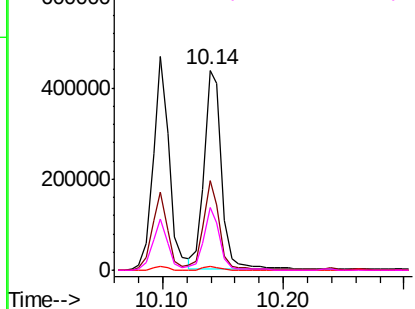
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.526 ng
 RT: 10.14 min Scan# 1369
 Delta R.T. -0.04 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:232 Resp: 442064
 Ion Ratio Lower Upper
 232 100
 131 41.0 31.8 47.6
 130 2.0 1.6 2.4
 166 28.8 23.1 34.7

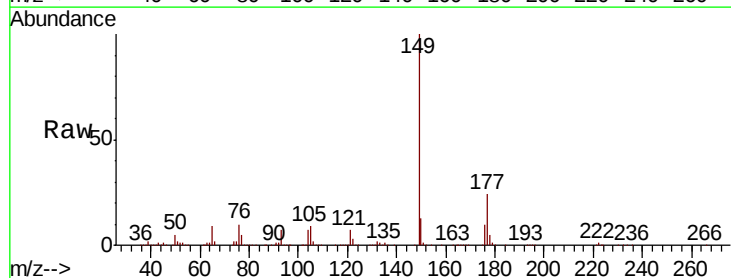


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

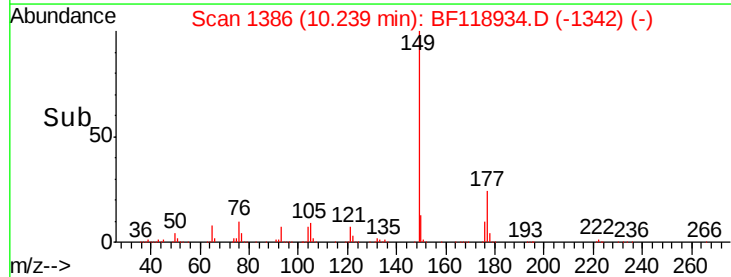
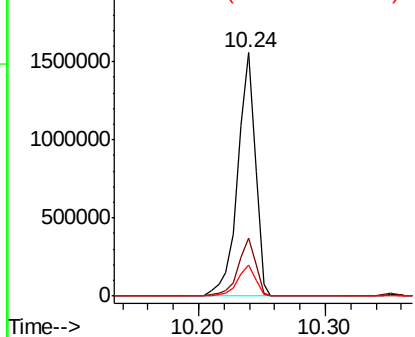


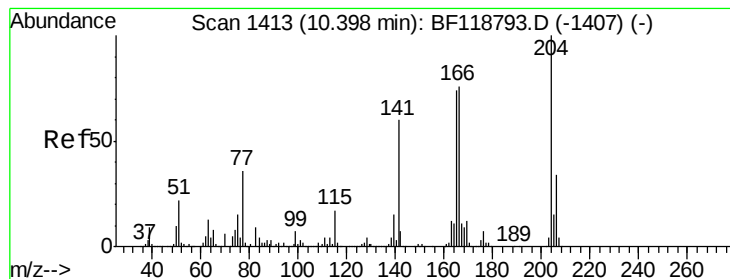
#60
 Diethylphthalate
 Concen: 42.393 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.04 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Tgt Ion:149 Resp: 1480867
 Ion Ratio Lower Upper
 149 100
 177 24.1 19.3 28.9
 150 12.8 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: 45.381 ng

RT: 10.35 min Scan# 1405

Delta R.T. -0.05 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampled :

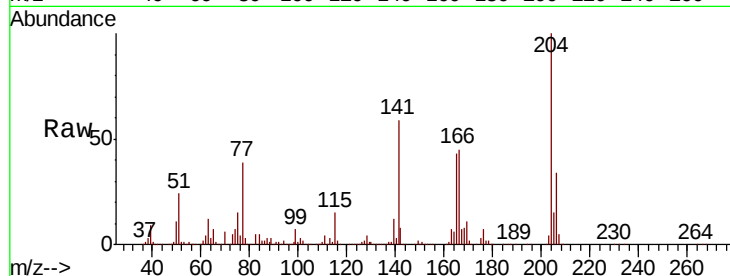
Tot Ion:204 Resp: 772404

Ion Ratio Lower Upper

204 100

206 33.6 27.4 41.2

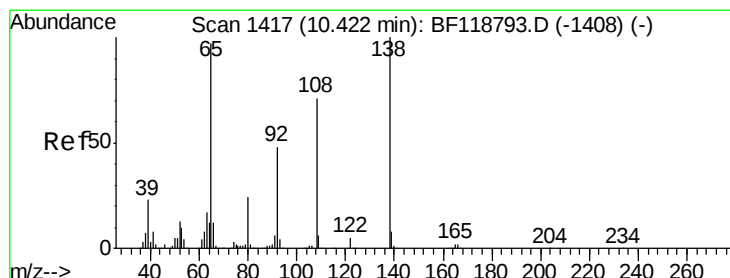
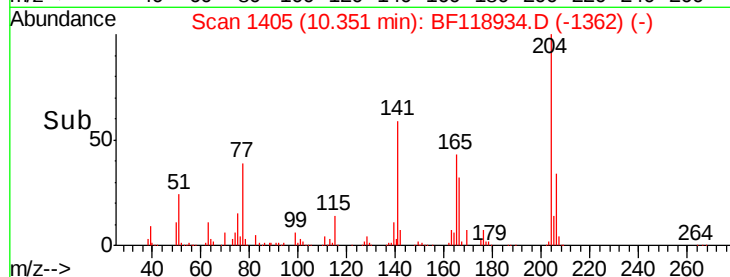
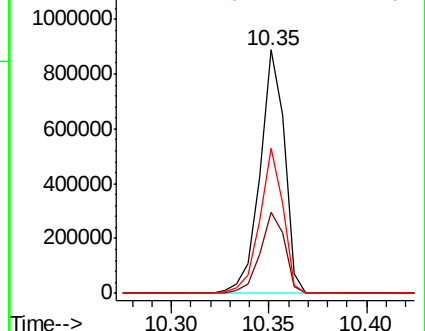
141 59.4 47.8 71.6



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: 46.165 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

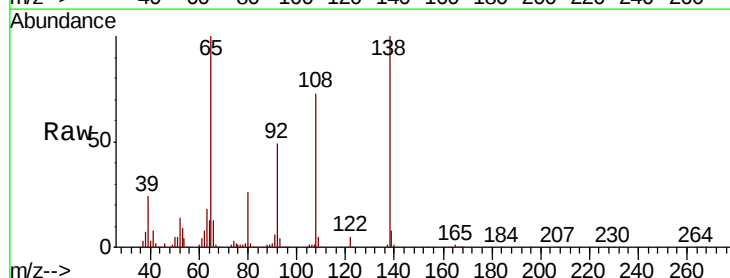
Tgt Ion:138 Resp: 421428

Ion Ratio Lower Upper

138 100

92 48.7 27.6 67.6

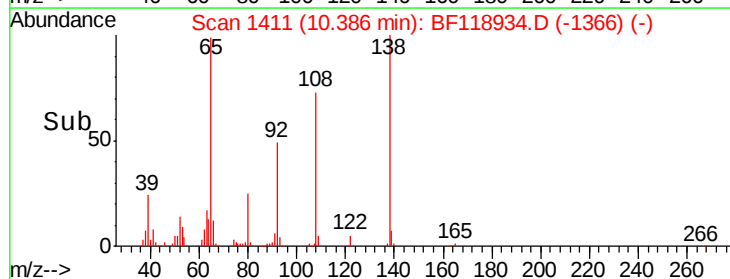
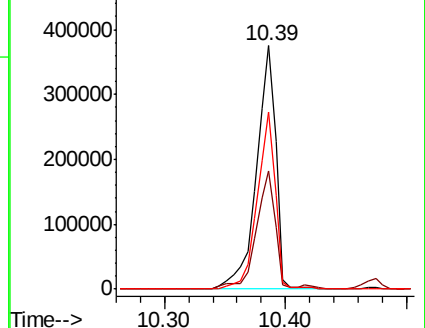
108 72.9 51.3 91.3

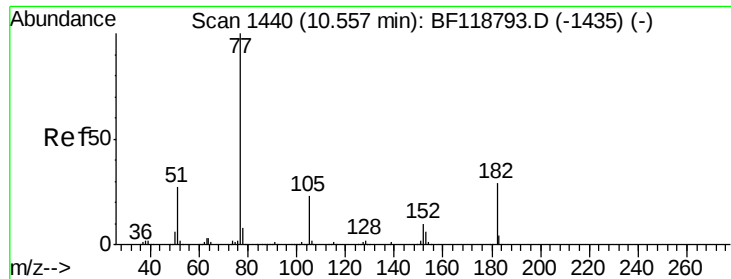


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

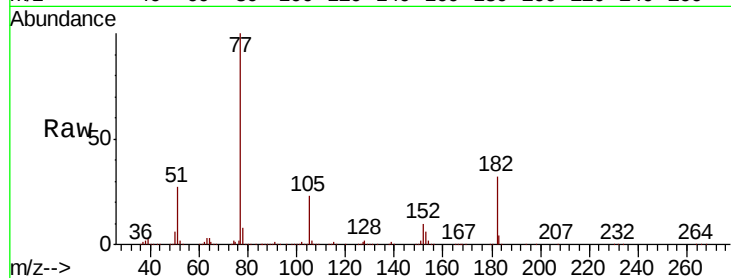




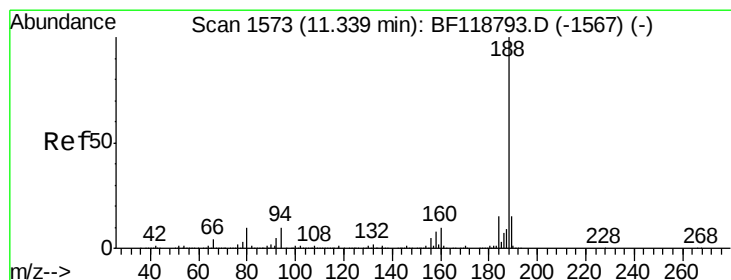
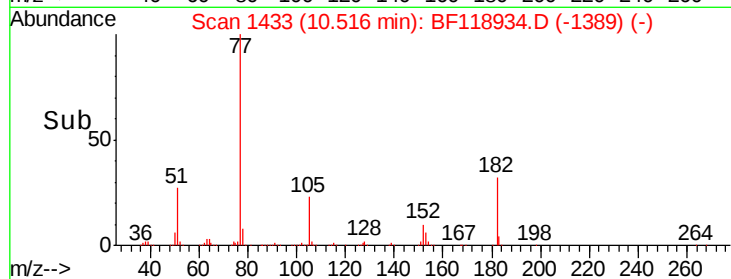
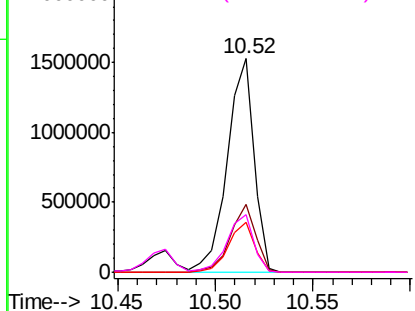
#63
Azobenzene
Concen: 48.837 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 1456451
Ion Ratio Lower Upper
77 100
182 32.0 9.2 49.2
105 23.5 3.1 43.1
51 27.1 7.4 47.4

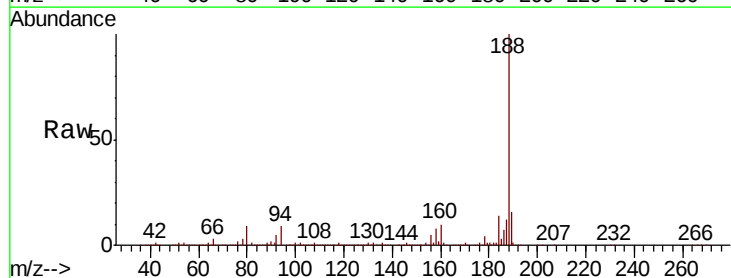


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

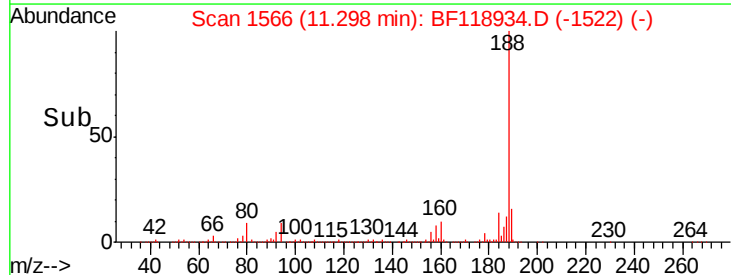
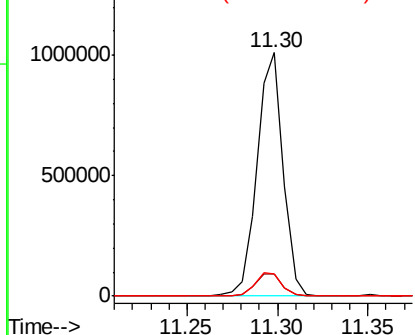


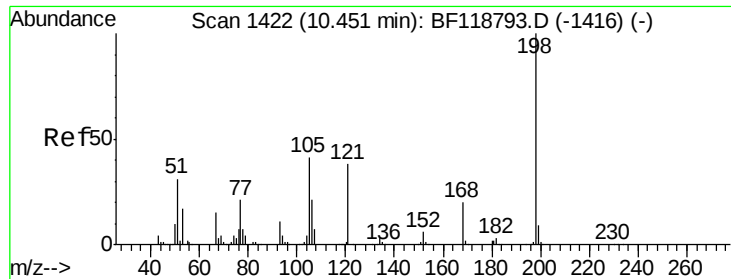
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion: 188 Resp: 1004507
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 9.4 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

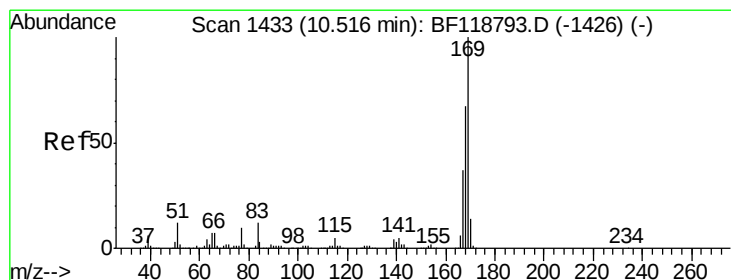
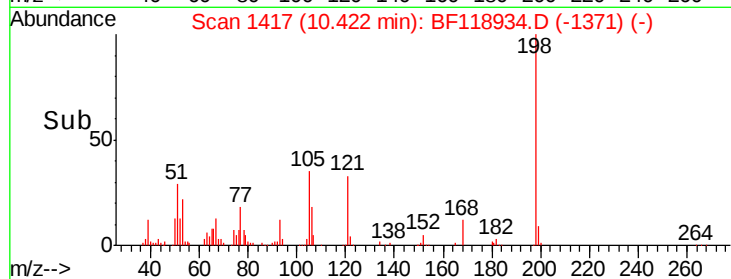
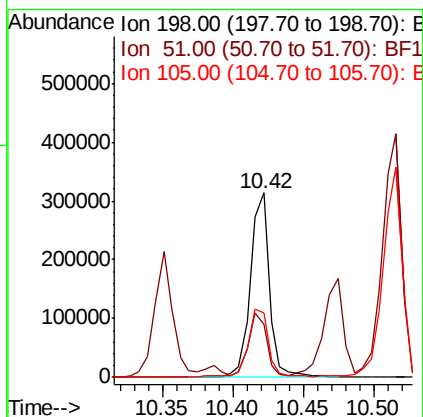
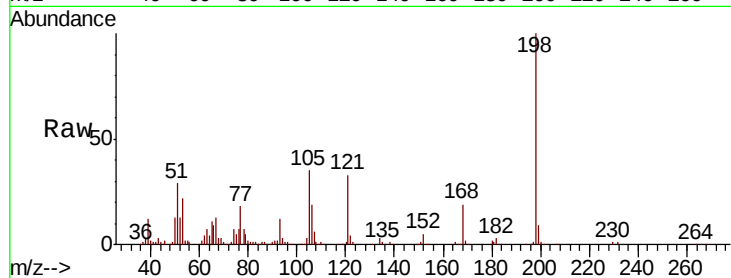




#65
4,6-Dinitro-2-methylphenol
Concen: 52.990 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.03 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

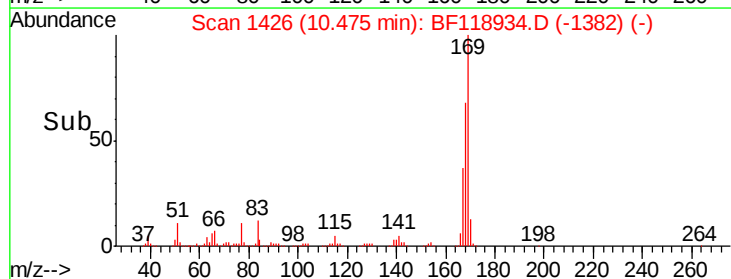
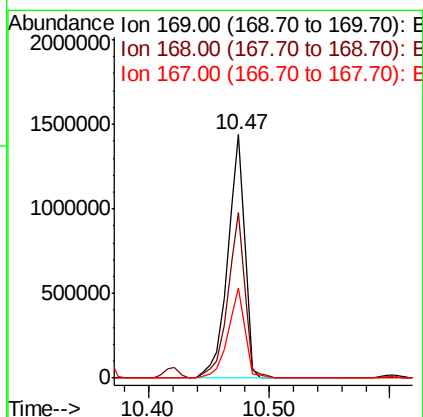
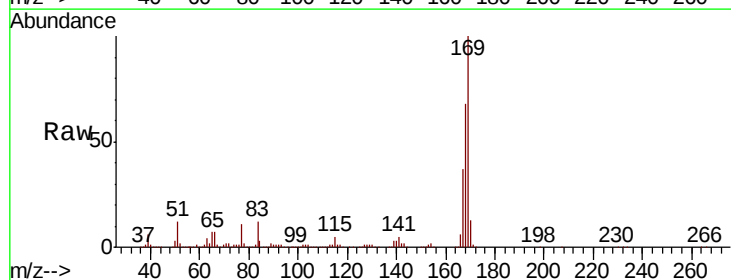
Instrument :
BNA_F
ClientSampleId :

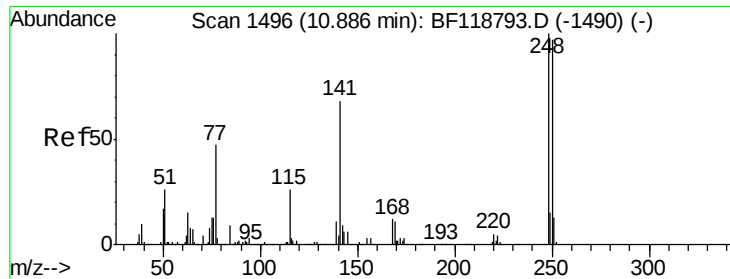
Tot Ion:198 Resp: 299102
Ion Ratio Lower Upper
198 100
51 28.8 16.7 56.7
105 34.8 22.0 62.0



#66
n-Nitrosodiphenylamine
Concen: 48.279 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:169 Resp: 1404757
Ion Ratio Lower Upper
169 100
168 67.7 53.5 80.3
167 36.9 29.3 43.9

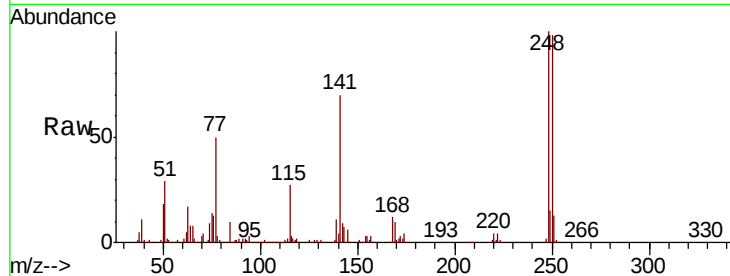




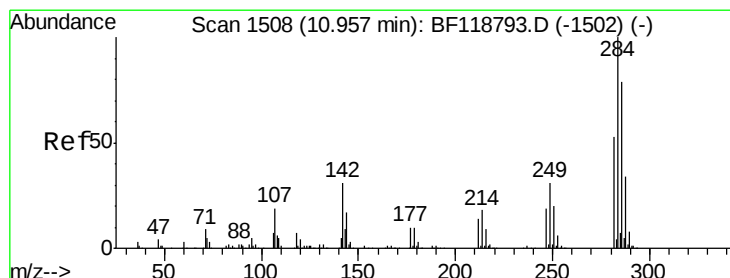
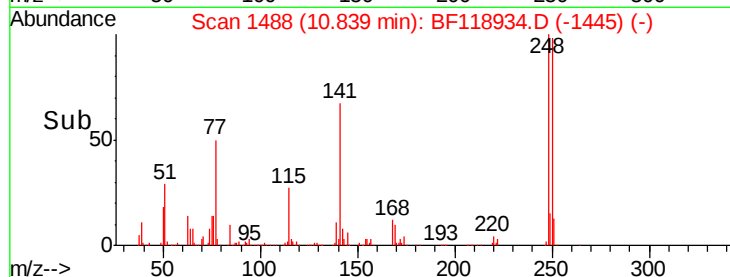
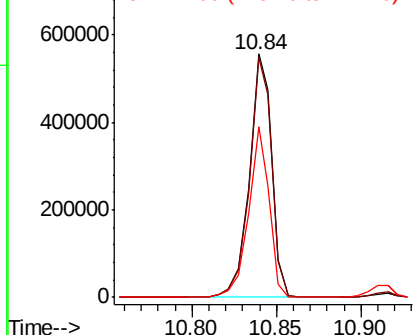
#67
4-Bromophenyl-phenylether
Concen: 43.463 ng
RT: 10.84 min Scan# 1488
Delta R.T. -0.05 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 516471
Ion Ratio Lower Upper
248 100
250 98.4 77.6 116.4
141 70.3 54.4 81.6

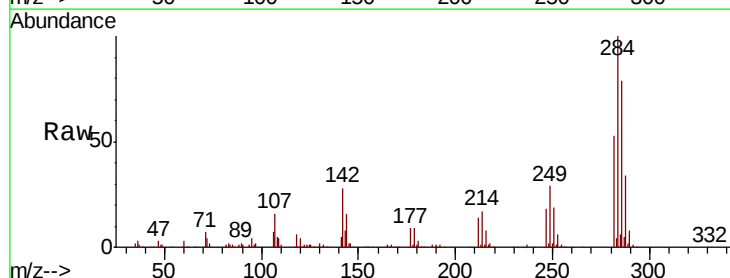


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

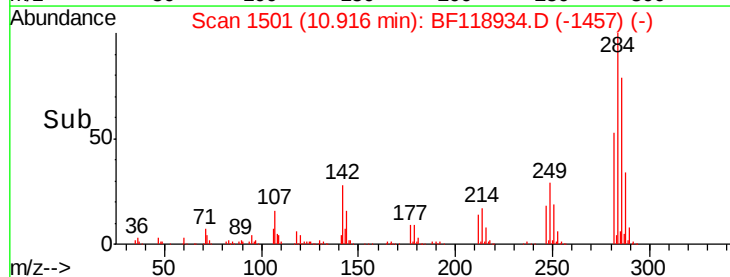
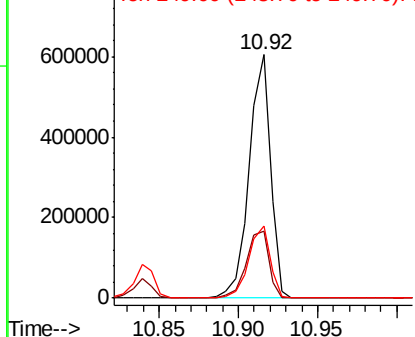


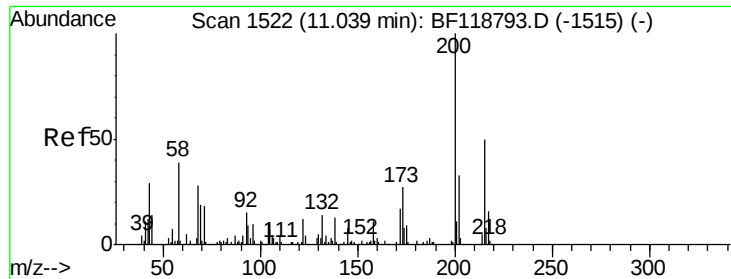
#68
Hexachlorobenzene
Concen: 41.421 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:284 Resp: 564552
Ion Ratio Lower Upper
284 100
142 27.5 24.5 36.7
249 29.4 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

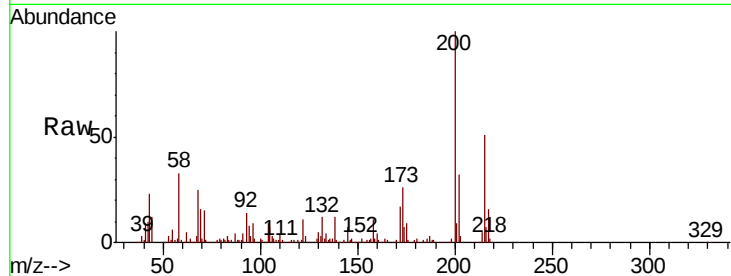




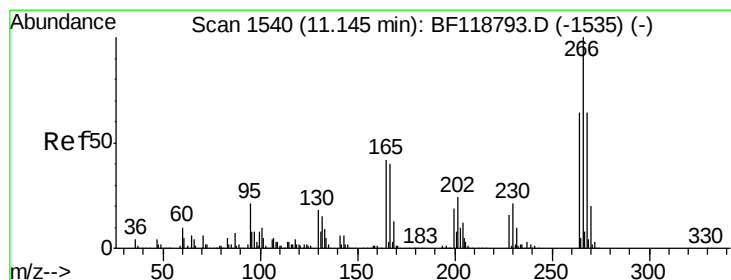
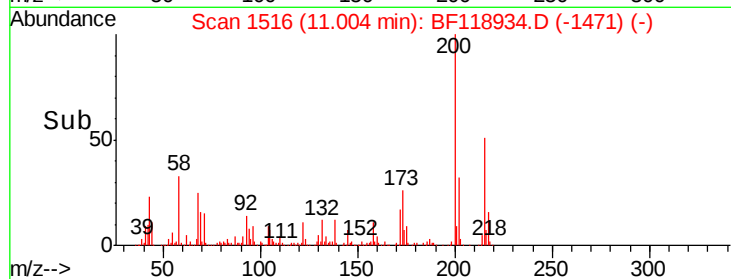
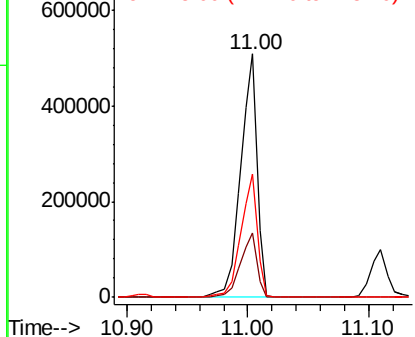
#69
Atrazine
Concen: 50.075 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.3	7.5	47.5
215	50.6	29.9	69.9

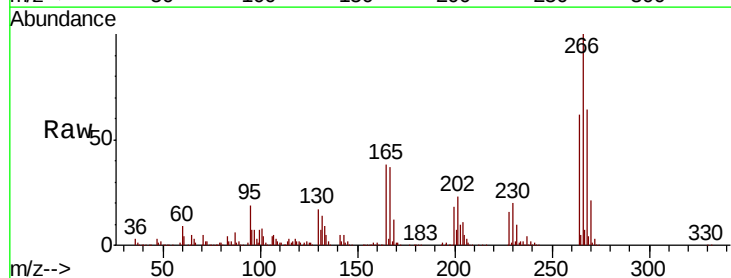


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

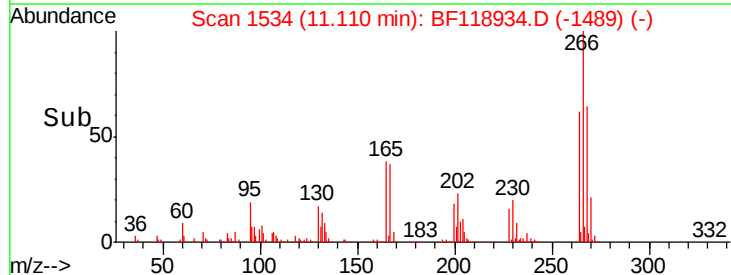
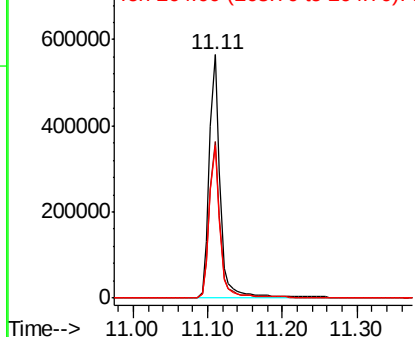


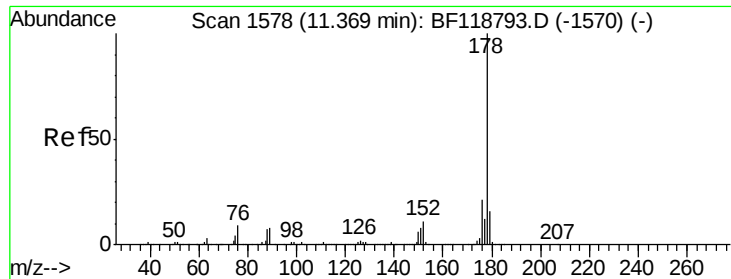
#70
Pentachlorophenol
Concen: 81.403 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.0	76.6
264	62.5	51.4	77.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

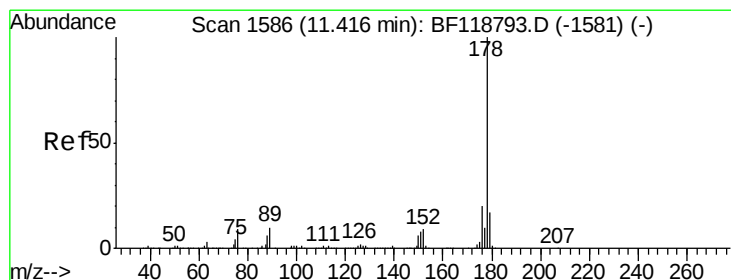
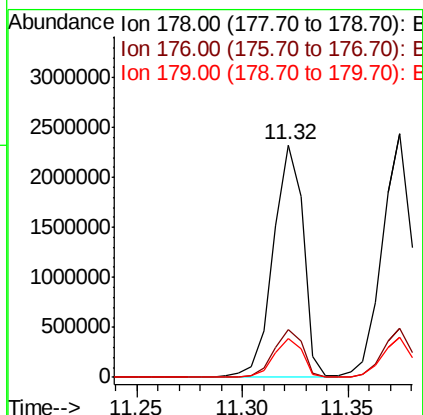
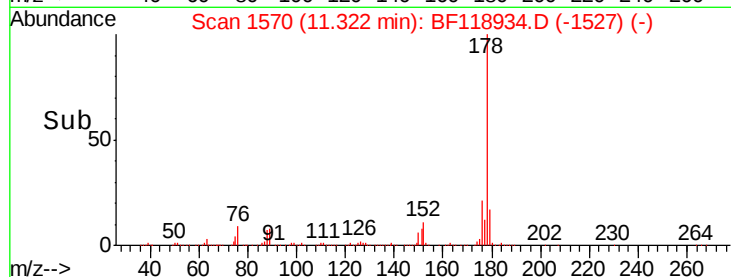
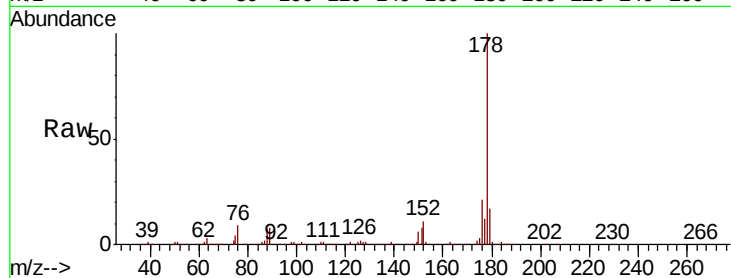




#71
Phenanthrene
Concen: 46.536 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.05 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

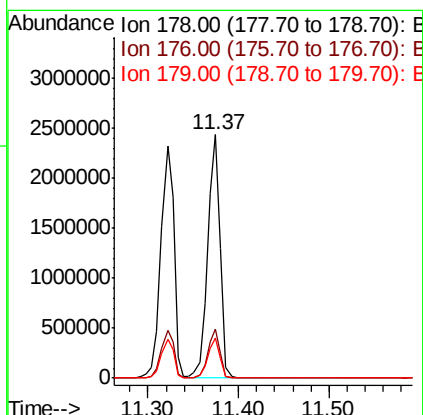
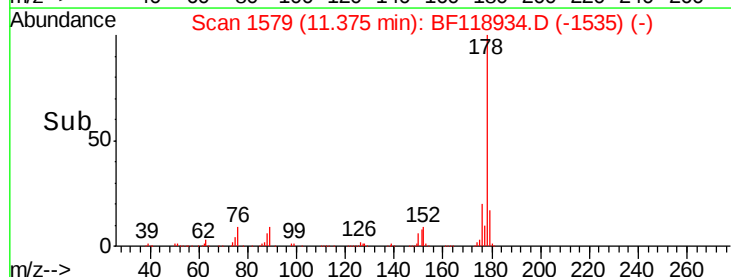
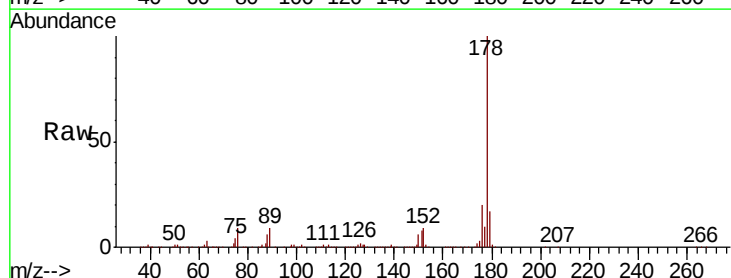
Instrument :
BNA_F
ClientSampleId :

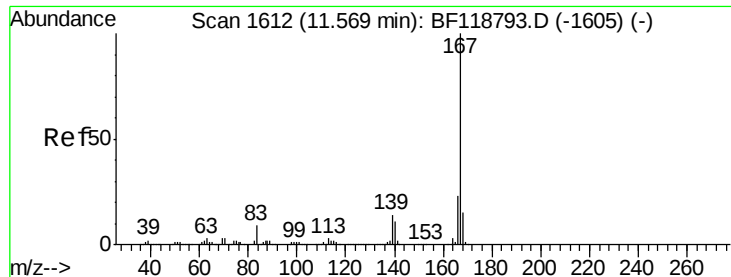
Tot Ion:178 Resp: 2299969
Ion Ratio Lower Upper
178 100
176 20.7 16.6 24.8
179 16.6 13.2 19.8



#72
Anthracene
Concen: 48.060 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.04 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:178 Resp: 2362996
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.2
179 16.6 13.4 20.2

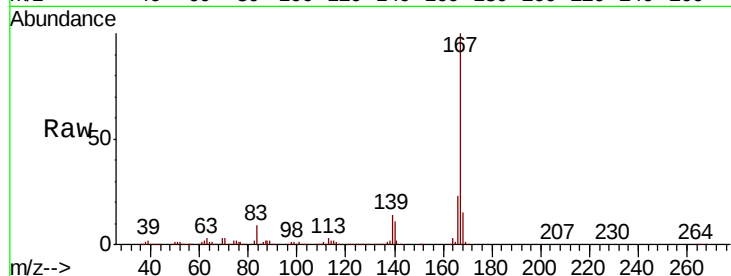




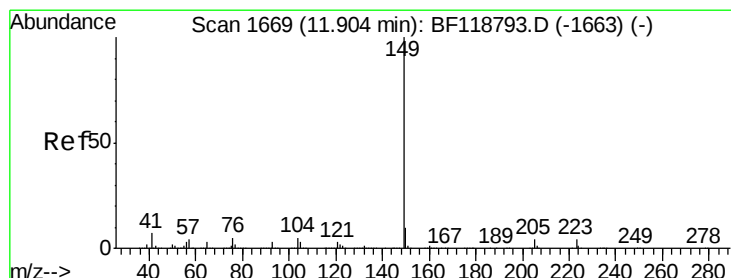
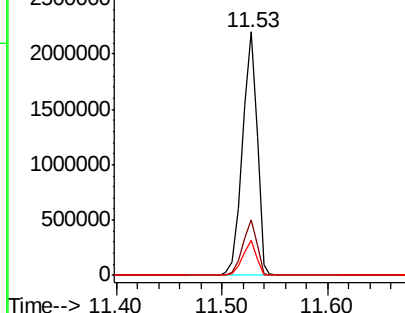
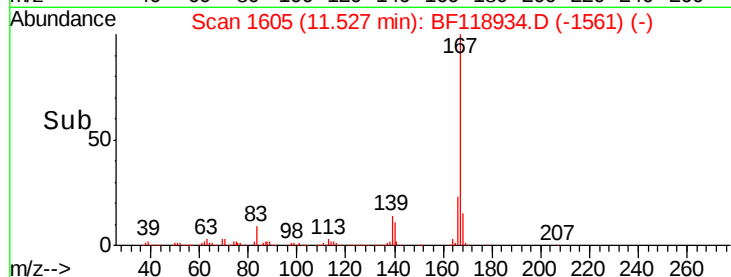
#73
 Carbazole
 Concen: 48.035 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.04 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:167 Resp: 2072700
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.4 27.6
 139 14.2 11.1 16.7

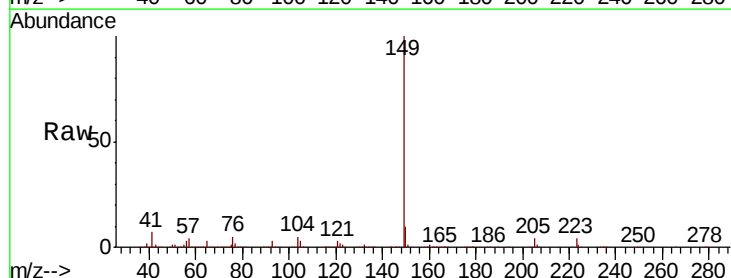


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

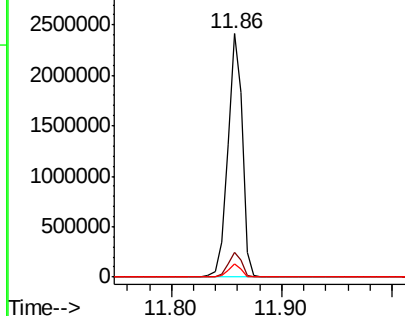
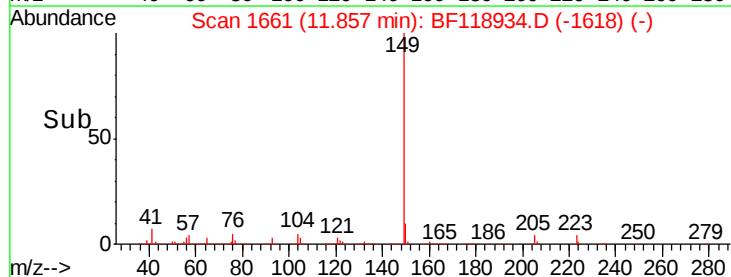


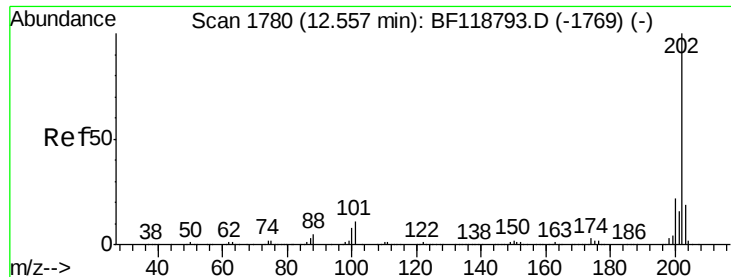
#74
 Di-n-butylphthalate
 Concen: 40.184 ng
 RT: 11.86 min Scan# 1661
 Delta R.T. -0.05 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Tgt Ion:149 Resp: 2208791
 Ion Ratio Lower Upper
 149 100
 150 10.1 8.1 12.1
 104 5.5 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

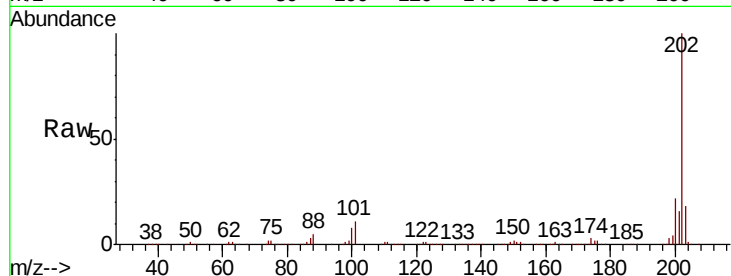




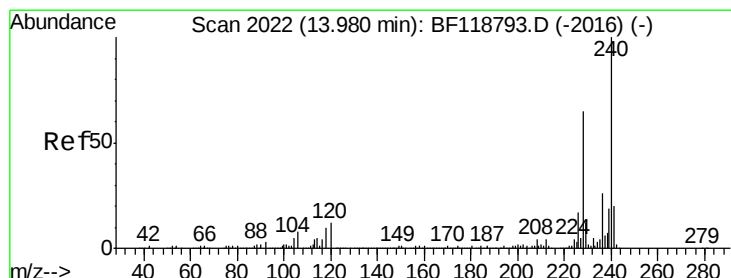
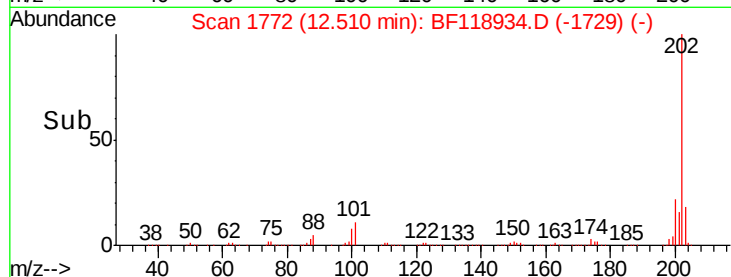
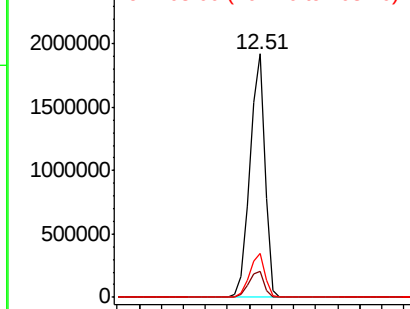
#75
Fluoranthene
Concen: 34.287 ng
RT: 12.51 min Scan# 1772
Delta R.T. -0.05 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1850157
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.0
203 18.1 0.0 38.7

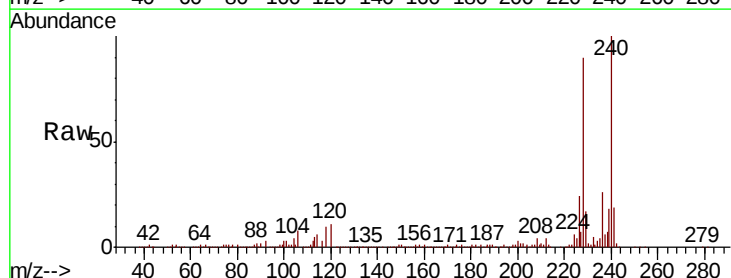


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

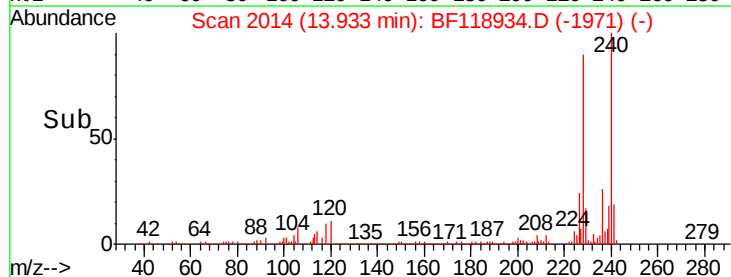
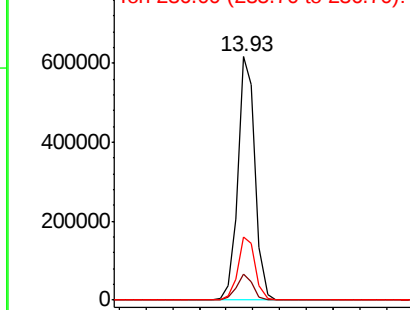


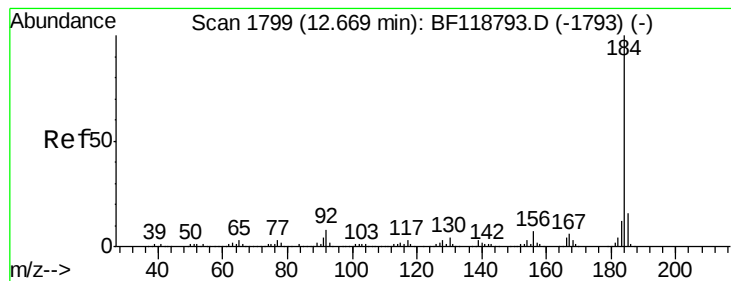
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.05 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:240 Resp: 552081
Ion Ratio Lower Upper
240 100
120 10.8 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: 57.434 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

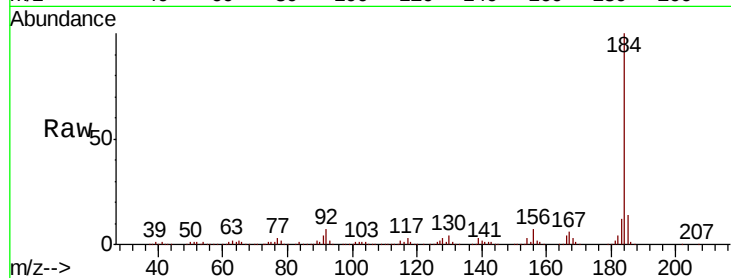
Instrument :

BNA_F

ClientSampleId :

Tot Ion:184 Resp: 959039

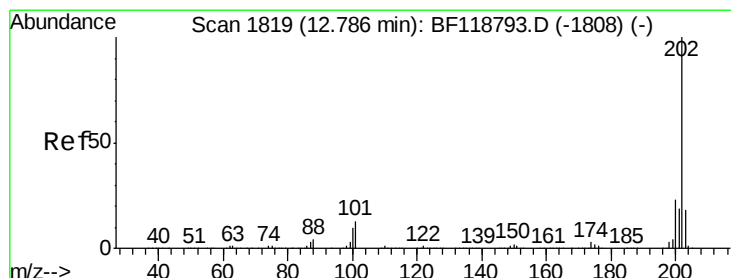
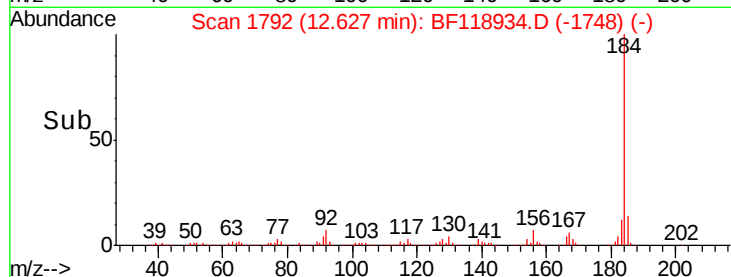
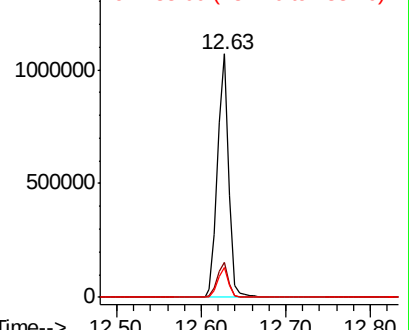
Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.5	18.7
183	12.2	9.7	14.5



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 49.137 ng

RT: 12.74 min Scan# 1811

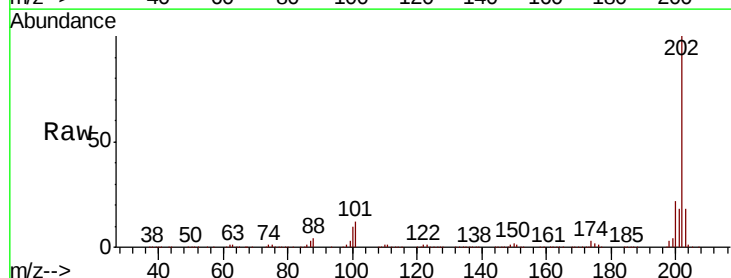
Delta R.T. -0.05 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Tgt Ion:202 Resp: 1861022

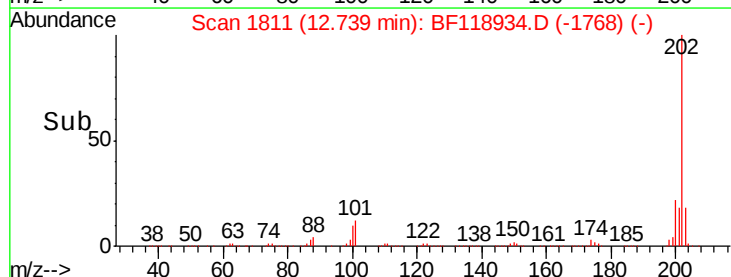
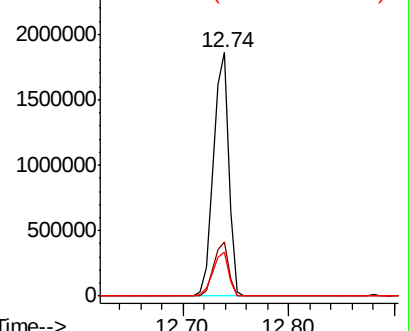
Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.2	27.2
203	18.0	14.8	22.2

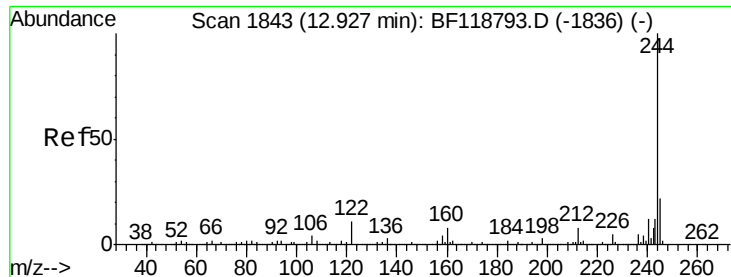


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 83.083 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.05 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

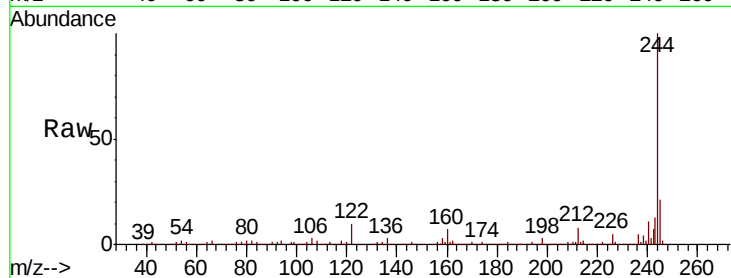
Tot Ion:244 Resp: 2233079

Ion Ratio Lower Upper

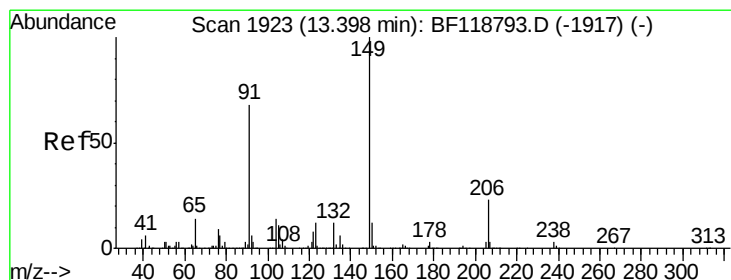
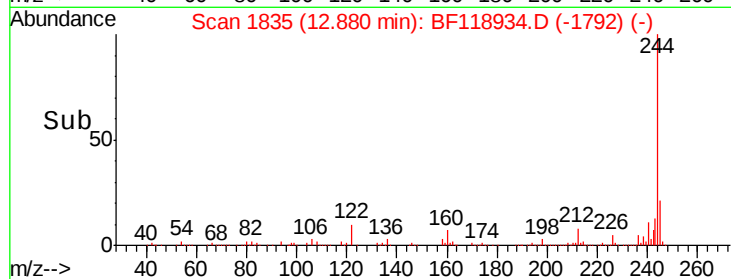
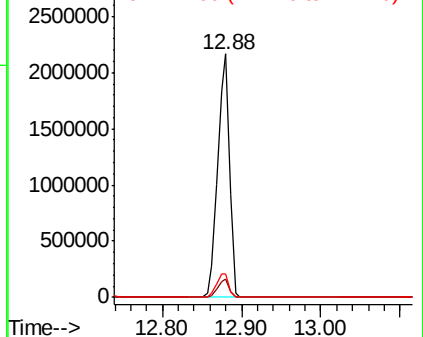
244 100

212 7.6 6.5 9.7

122 9.7 8.9 13.3



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 44.416 ng

RT: 13.35 min Scan# 1915

Delta R.T. -0.05 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

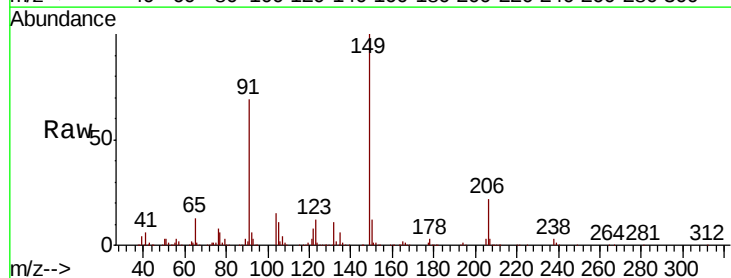
Tgt Ion:149 Resp: 767806

Ion Ratio Lower Upper

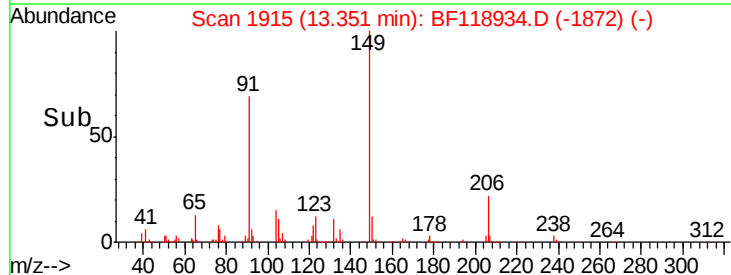
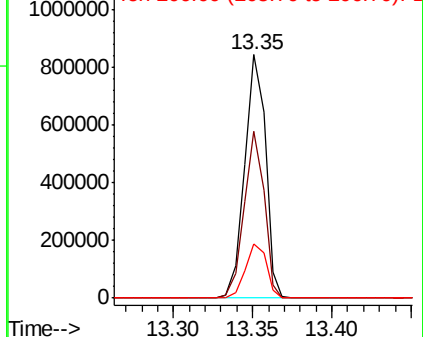
149 100

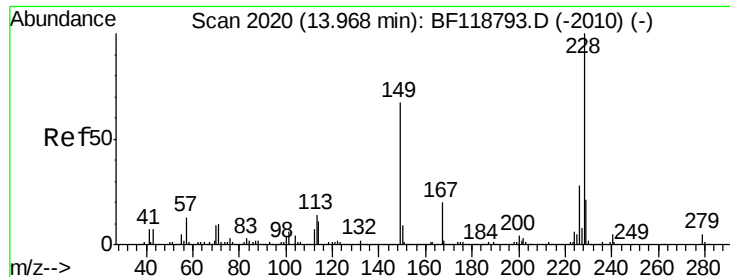
91 68.6 54.7 82.1

206 22.3 18.5 27.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.453 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.04 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

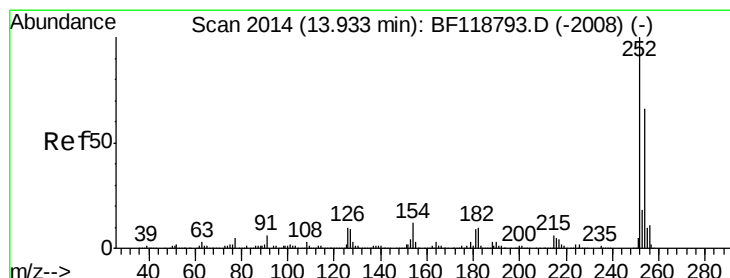
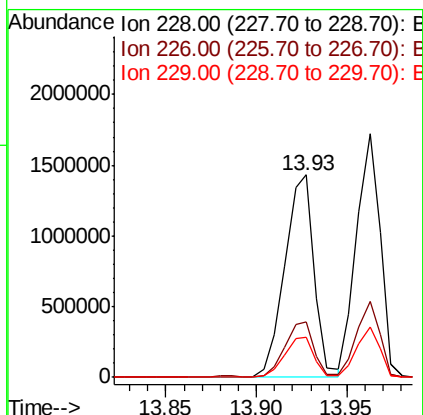
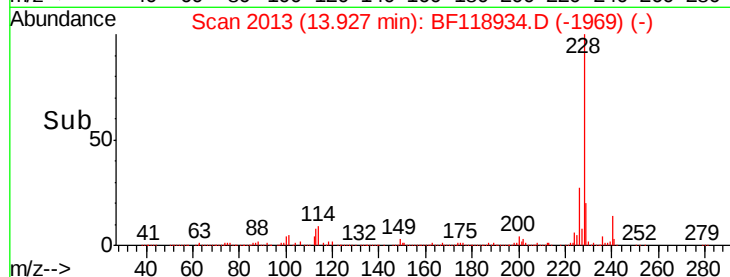
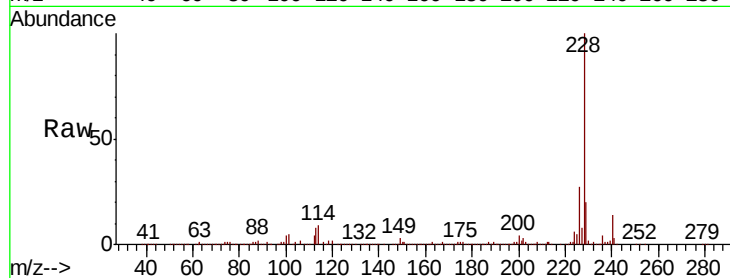
Tot Ion:228 Resp: 1624638

Ion Ratio Lower Upper

228 100

226 27.3 22.7 34.1

229 20.0 16.6 25.0



#82

3,3'-Dichlorobenzidine

Concen: 34.220 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.05 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

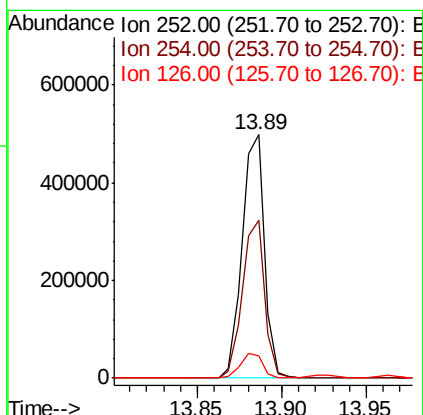
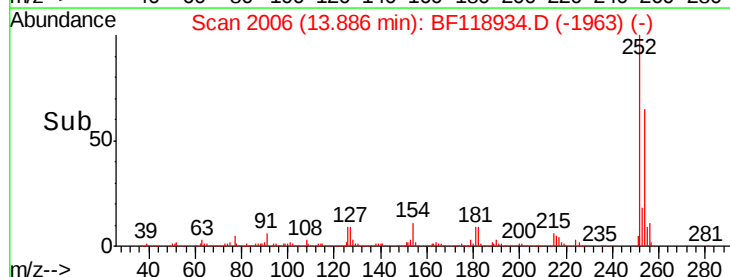
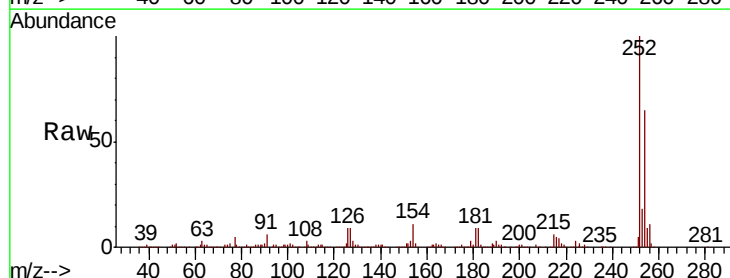
Tgt Ion:252 Resp: 459790

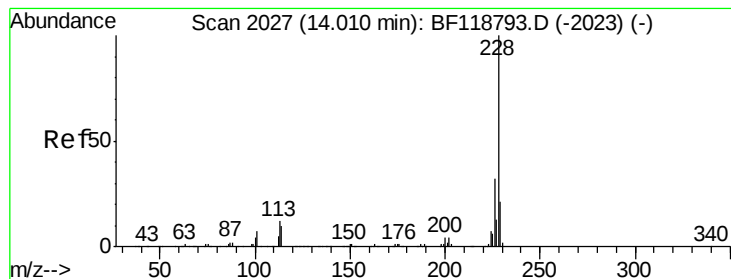
Ion Ratio Lower Upper

252 100

254 64.9 52.4 78.6

126 9.0 7.8 11.8





#83

Chrvsene

Concen: 48.015 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.05 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampled :

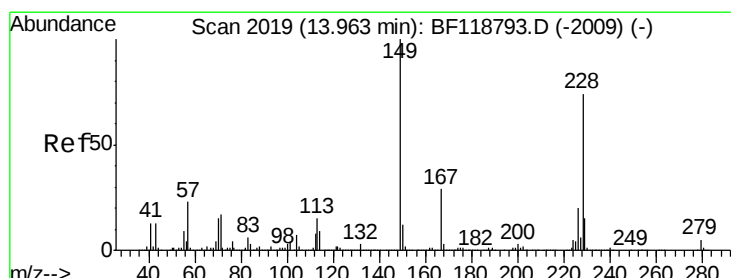
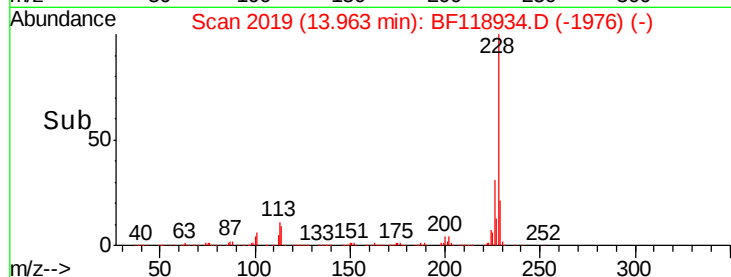
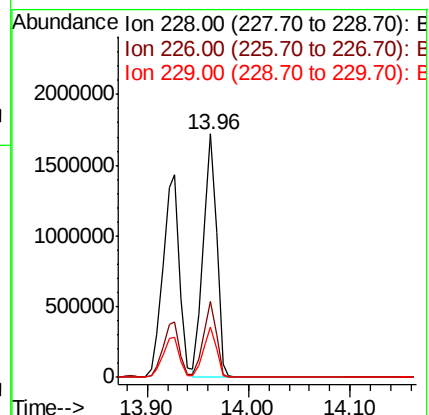
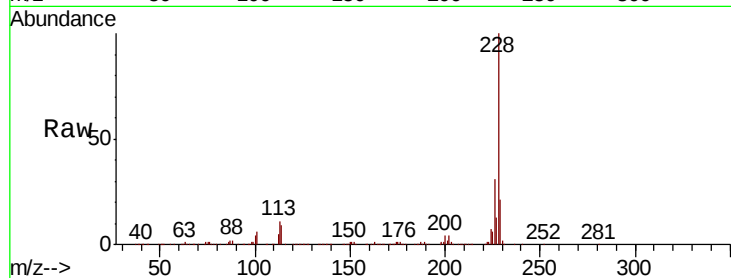
Tot Ion:228 Resp: 1583169

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.0

229 20.6 16.9 25.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.492 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.05 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

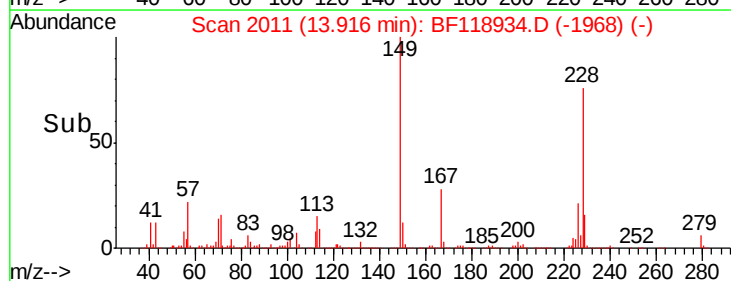
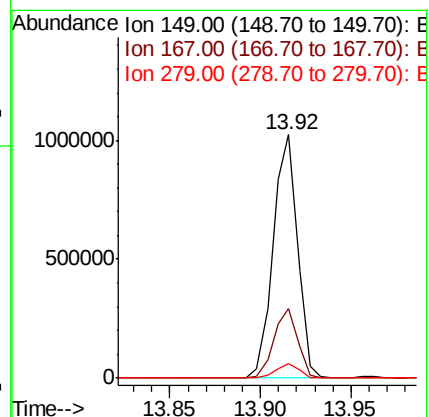
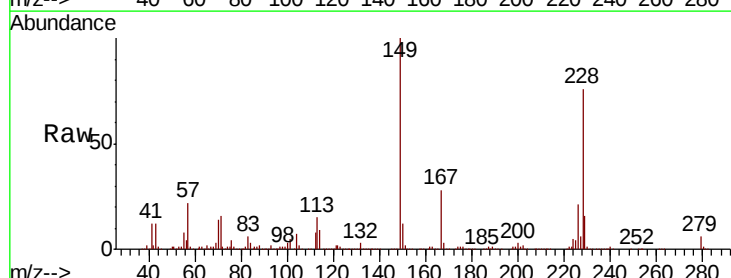
Tgt Ion:149 Resp: 953871

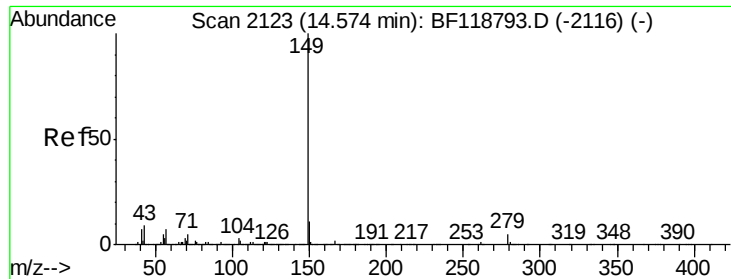
Ion Ratio Lower Upper

149 100

167 28.4 23.0 34.6

279 5.8 4.4 6.6

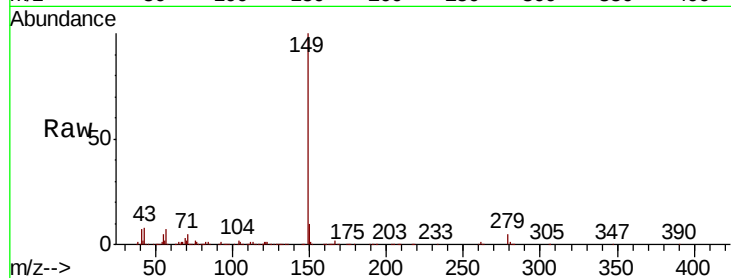




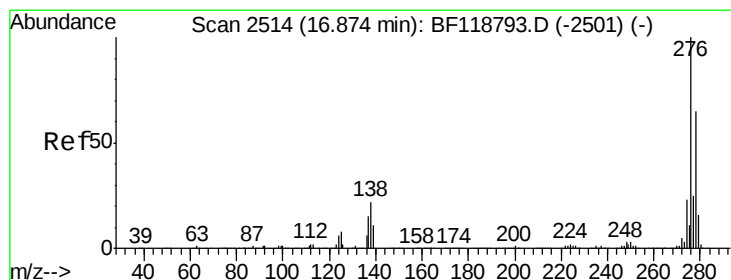
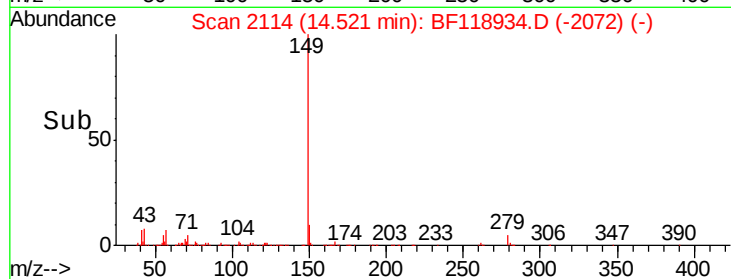
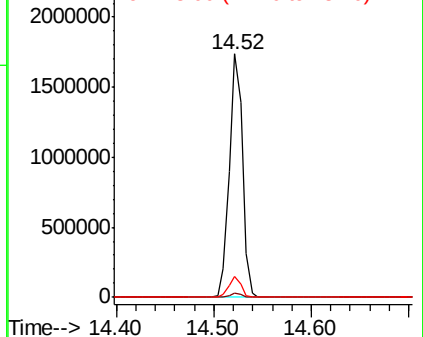
#85
 Di-n-octyl phthalate
 Concen: 43.451 ng
 RT: 14.52 min Scan# 2114
 Delta R.T. -0.05 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 1632561
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.4 2.0
 43 7.9 6.6 10.0

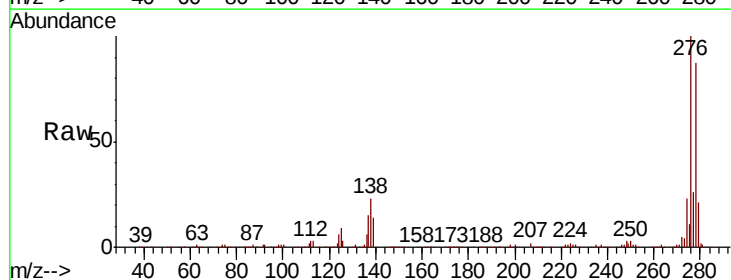


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF1

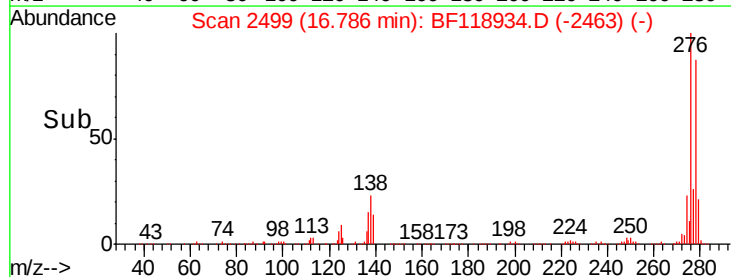
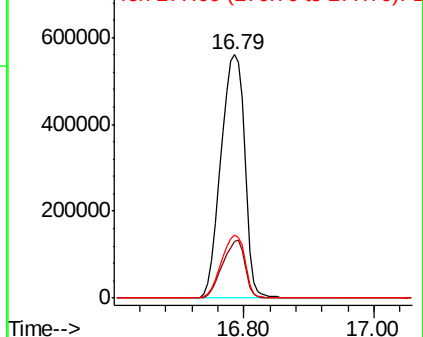


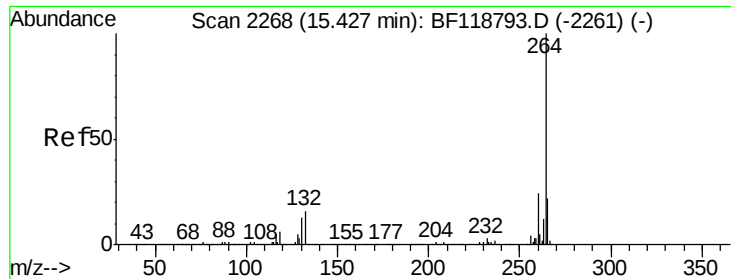
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 43.123 ng
 RT: 16.79 min Scan# 2499
 Delta R.T. -0.09 min
 Lab File: BF118934.D
 Acq: 14 Feb 2020 16:22

Tgt Ion:276 Resp: 1428564
 Ion Ratio Lower Upper
 276 100
 138 22.4 18.3 27.5
 277 25.6 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



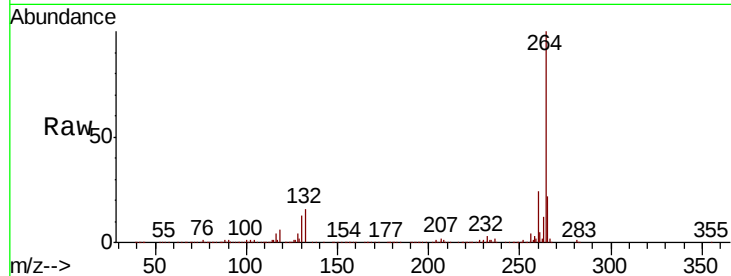


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.06 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

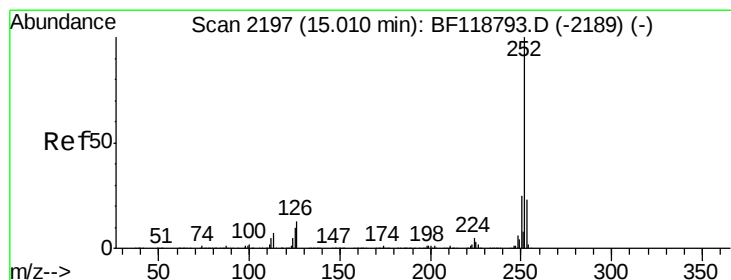
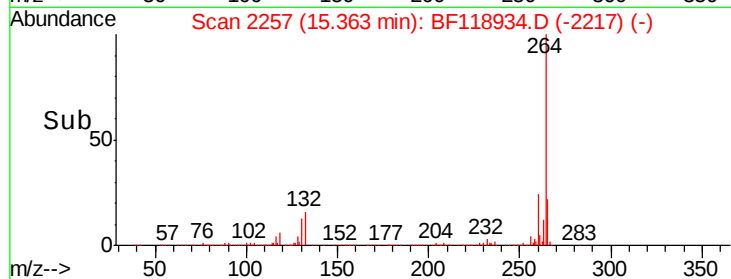
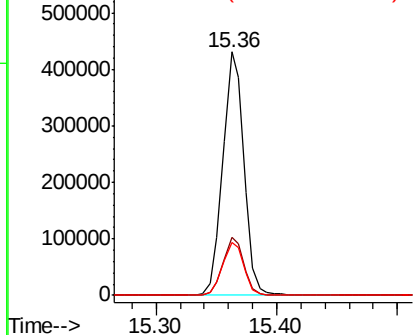
Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 519494

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.9	17.2	25.8



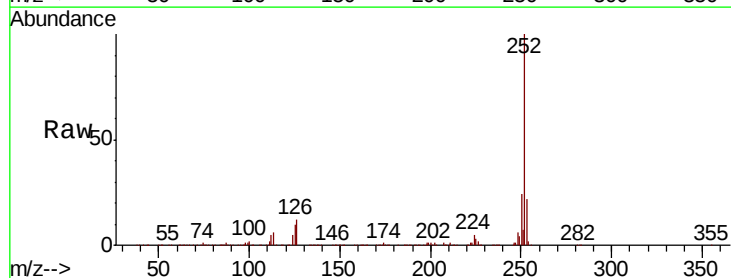
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



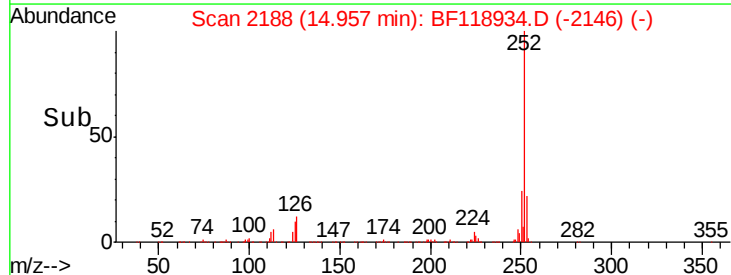
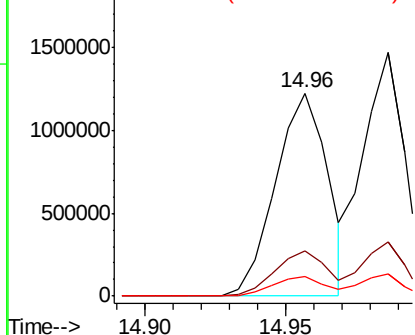
#88
Benzo(b)fluoranthene
Concen: 48.911 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.05 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

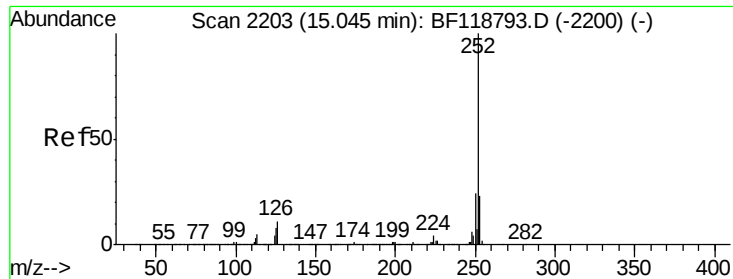
Tgt Ion:252 Resp: 1576675

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	9.5	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: 53.513 ng

RT: 14.99 min Scan# 2193

Delta R.T. -0.06 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

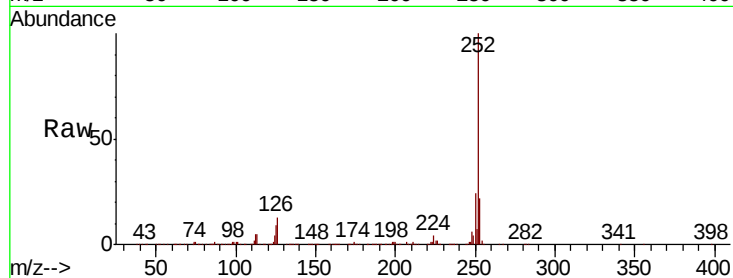
Tot Ion:252 Resp: 1502150

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

125 9.4 7.0 10.6

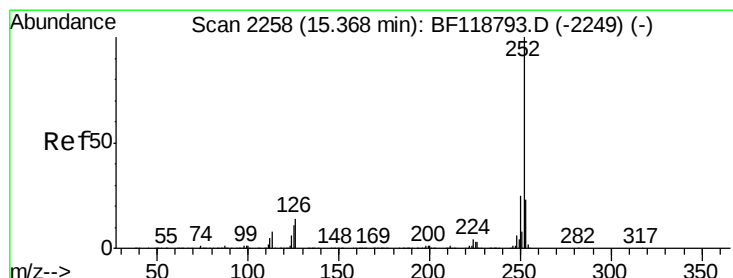
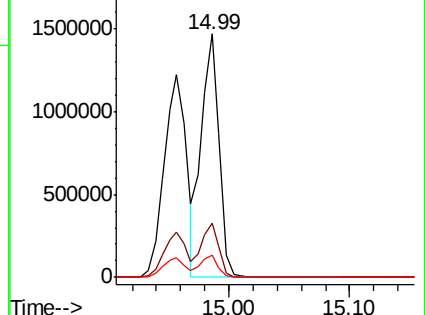
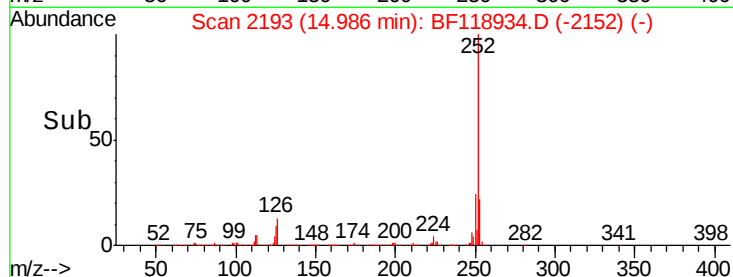


Abundance

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



#90

Benzo(a)pyrene

Concen: 49.307 ng

RT: 15.31 min Scan# 2248

Delta R.T. -0.06 min

Lab File: BF118934.D

Acq: 14 Feb 2020 16:22

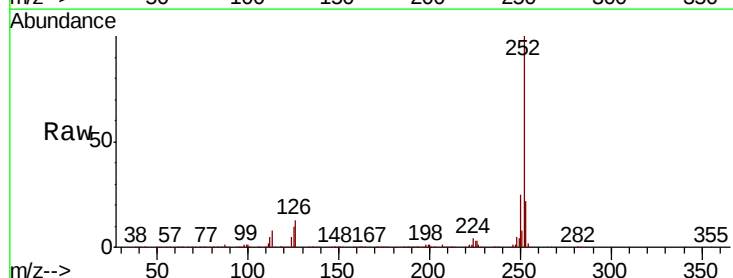
Tgt Ion:252 Resp: 1360252

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

125 9.9 8.7 13.1

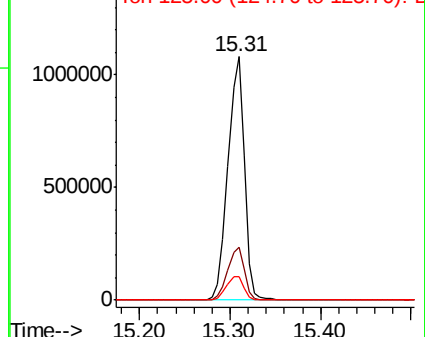
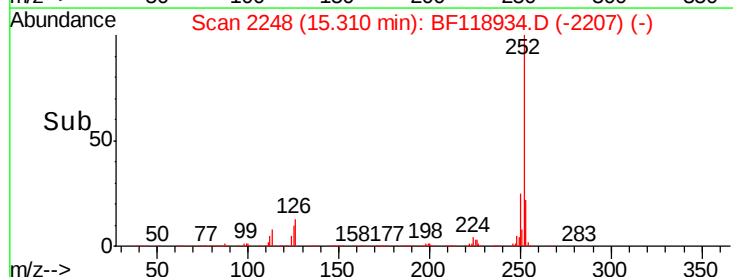


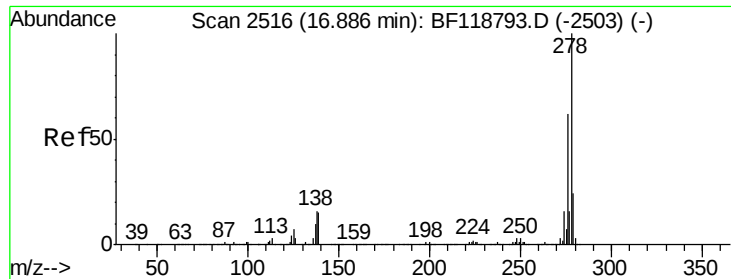
Abundance

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



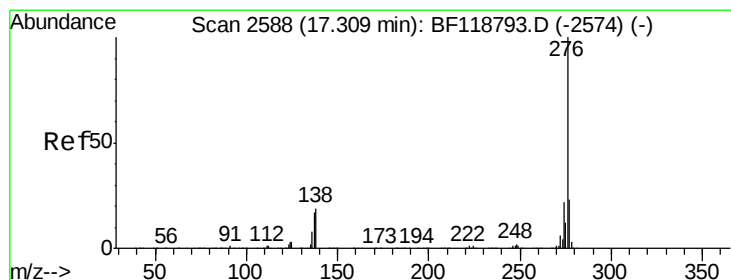
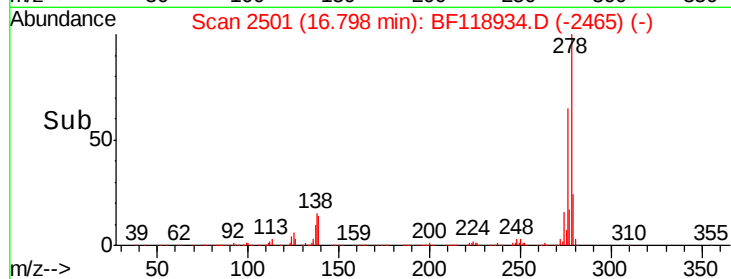
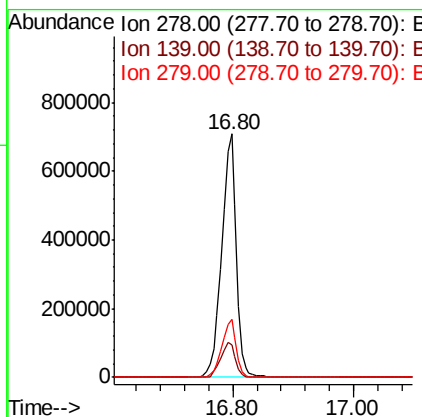
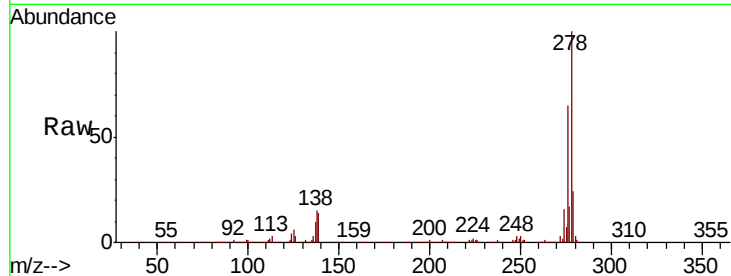


#91
Dibenzo(a,h)anthracene
Concen: 48.420 ng
RT: 16.80 min Scan# 2501
Delta R.T. -0.09 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 1185827

Ion	Ratio	Lower	Upper
278	100		
139	13.6	12.3	18.5
279	23.9	19.1	28.7



#92
Benzo(g,h,i)perylene
Concen: 51.281 ng
RT: 17.21 min Scan# 2571
Delta R.T. -0.10 min
Lab File: BF118934.D
Acq: 14 Feb 2020 16:22

Tgt Ion:276 Resp: 1207798

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	20.0	15.4	23.2

