

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
 Data File : BF119147.D
 Acq On : 28 Feb 2020 23:18
 Operator : CG/JU
 Sample : L1363-10MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620MSD

Quant Time: Mar 02 03:32:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	137646	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	531581	20.00	ng	-0.02
39) Acenaphthene-d10	9.77	164	301440	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	557548	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	336770	20.00	ng	-0.02
87) Perylene-d12	15.30	264	370349	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	1048313	127.28	ng	0.00
7) Phenol-d6	6.39	99	1201712	119.97	ng	-0.02
23) Nitrobenzene-d5	7.30	82	924430	91.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	521232	132.18	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1787134	87.34	ng	-0.02
79) Terphenyl-d14	12.83	244	2112027	107.97	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.59	88	143177	39.043	ng	# 86
3) Pyridine	3.30	79	296658	29.621	ng	96
4) n-Nitrosodimethylamine	3.20	42	153041	50.444	ng	96
6) Aniline	6.40	93	129002	10.437	ng	# 1
8) 2-Chlorophenol	6.53	128	462442	52.026	ng	99
9) Benzaldehyde	6.29	77	172568	25.785	ng	98
10) Phenol	6.40	94	463704	42.816	ng	79
11) bis(2-Chloroethyl)ether	6.47	93	407538	49.180	ng	99
12) 1,3-Dichlorobenzene	6.67	146	459729	43.152	ng	97
13) 1,4-Dichlorobenzene	6.75	146	470830	44.164	ng	99
14) 1,2-Dichlorobenzene	6.90	146	439758	45.229	ng	98
15) Benzyl Alcohol	6.89	79	392090	54.158	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.01	45	315185	43.908	ng	# 40
17) 2-Methylphenol	7.00	107	360379	50.007	ng	99
18) Hexachloroethane	7.25	117	161385	42.312	ng	95
19) n-Nitroso-di-n-propylamine	7.16	70	302133	51.762	ng	96
20) 3+4-Methylphenols	7.16	107	464721	52.636	ng	94
22) Acetophenone	7.15	105	628956	51.137	ng	96
24) Nitrobenzene	7.32	77	477760	47.987	ng	100
25) Isophorone	7.56	82	843749	48.256	ng	100
26) 2-Nitrophenol	7.63	139	259475	49.188	ng	97
27) 2,4-Dimethylphenol	7.68	122	386547	53.992	ng	97
28) bis(2-Chloroethoxy)methane	7.77	93	508018	44.638	ng	99
29) 2,4-Dichlorophenol	7.89	162	405122	48.067	ng	98
30) 1,2,4-Trichlorobenzene	7.96	180	426980	42.728	ng	98
31) Naphthalene	8.04	128	1290080	46.795	ng	99
32) Benzoic acid	7.84	122	255803	48.833	ng	99
33) 4-Chloroaniline	8.10	127	78491	6.620	ng	96
34) Hexachlorobutadiene	8.16	225	247730	39.799	ng	99
35) Caprolactam	8.47	113	113607m	43.776	ng	
36) 4-Chloro-3-methylphenol	8.59	107	436216	51.140	ng	99
37) 2-Methylnaphthalene	8.73	142	913811	49.254	ng	99
38) 1-Methylnaphthalene	8.83	142	850778	48.760	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.90	216	446923	43.974	ng	100

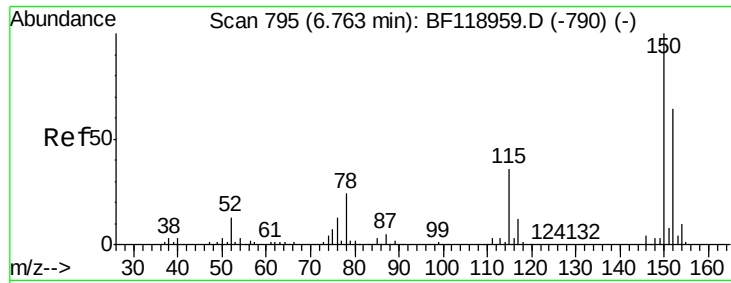
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.89	237	182144	52.848	ng	99
43) 2,4,6-Trichlorophenol	9.02	196	294462	45.880	ng	99
44) 2,4,5-Trichlorophenol	9.06	196	316508	46.996	ng	97
46) 1,1'-Biphenyl	9.19	154	1095743	44.977	ng	99
47) 2-Chloronaphthalene	9.22	162	883678	45.011	ng	97
48) 2-Nitroaniline	9.32	65	259389	47.370	ng	99
49) Acenaphthylene	9.63	152	1357225	47.865	ng	100
50) Dimethylphthalate	9.50	163	1068970	46.375	ng	100
51) 2,6-Dinitrotoluene	9.56	165	244059	47.657	ng	89
52) Acenaphthene	9.80	154	800202	46.802	ng	100
53) 3-Nitroaniline	9.73	138	93287	16.431	ng	92
54) 2,4-Dinitrophenol	9.85	184	216945	86.492	ng	95
55) Dibenzofuran	9.97	168	1192063	46.711	ng	99
56) 4-Nitrophenol	9.92	139	287538	84.295	ng	91
57) 2,4-Dinitrotoluene	9.97	165	315601	47.545	ng	99
58) Fluorene	10.32	166	968963	48.862	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.10	232	286268	50.374	ng	96
60) Diethylphthalate	10.20	149	1005266	46.278	ng	100
61) 4-Chlorophenyl-phenylether	10.31	204	483152	46.029	ng	96
62) 4-Nitroaniline	10.35	138	225469	38.816	ng	97
63) Azobenzene	10.47	77	915623	48.494	ng	97
65) 4,6-Dinitro-2-methylphenol	10.39	198	170143	50.431	ng	95
66) n-Nitrosodiphenylamine	10.43	169	864720	47.366	ng	99
67) 4-Bromophenyl-phenylether	10.80	248	327998	45.006	ng	94
68) Hexachlorobenzene	10.87	284	375899	44.736	ng	95
69) Atrazine	10.96	200	309192	48.474	ng	97
70) Pentachlorophenol	11.07	266	341343	100.848	ng	99
71) Phenanthrene	11.28	178	1445559	47.542	ng	99
72) Anthracene	11.33	178	1485869	48.908	ng	99
73) Carbazole	11.49	167	1325902	48.989	ng	99
74) Di-n-butylphthalate	11.82	149	1514231	46.199	ng	98
75) Fluoranthene	12.46	202	1470828	45.572	ng	98
77) Benzidine	12.58	184	84727	6.186	ng	98
78) Pyrene	12.69	202	1426774	52.761	ng	99
80) Butylbenzylphthalate	13.30	149	596817	52.438	ng	98
81) Benzo(a)anthracene	13.88	228	1134485	49.441	ng	99
82) 3,3'-Dichlorobenzidine	13.83	252	212116	23.806	ng	# 99
83) Chrysene	13.92	228	1087921	47.582	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	770681	53.599	ng	98
85) Di-n-octyl phthalate	14.47	149	1188169	51.864	ng	99
86) Indeno(1,2,3-cd)pyrene	16.72	276	1223674	55.273	ng	99
88) Benzo(b)fluoranthene	14.90	252	1078191	44.168	ng	99
89) Benzo(k)fluoranthene	14.93	252	1109473	49.043	ng	99
90) Benzo(a)pyrene	15.25	252	1013903	46.020	ng	100
91) Dibenzo(a,h)anthracene	16.72	278	1026756	52.965	ng	99
92) Benzo(g,h,i)perylene	17.13	276	995975	51.999	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF119147.D

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HR-05-022620MSD

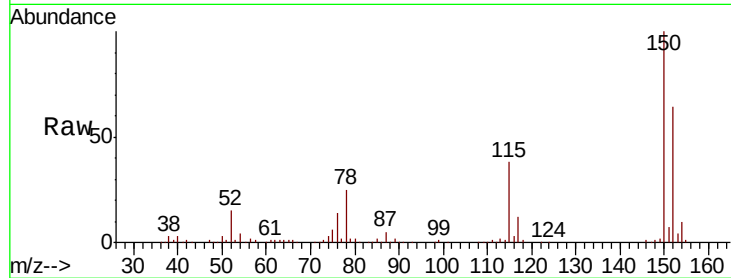
Tot Ion:152 Resp: 137646

Ion Ratio Lower Upper

152 100

150 155.4 123.0 184.6

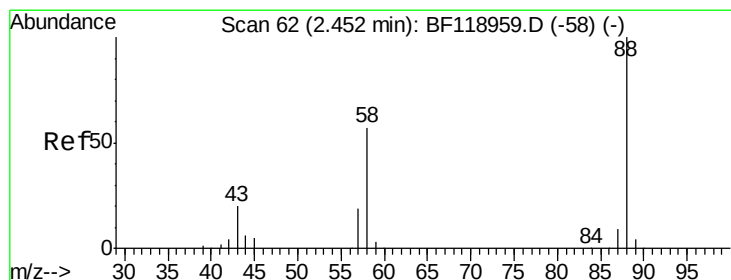
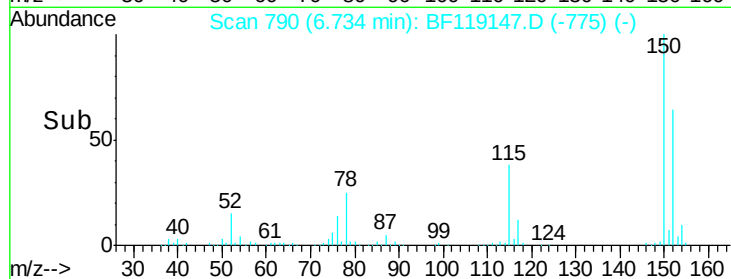
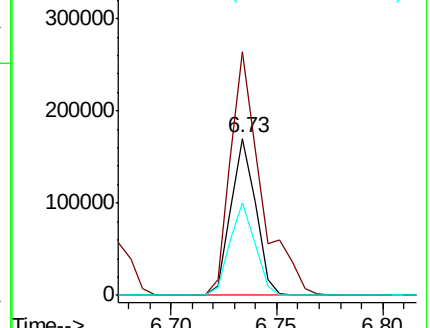
115 58.9 49.5 74.3



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



#2

1,4-Dioxane

Concen: 39.043 ng

RT: 2.59 min Scan# 85

Delta R.T. 0.15 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

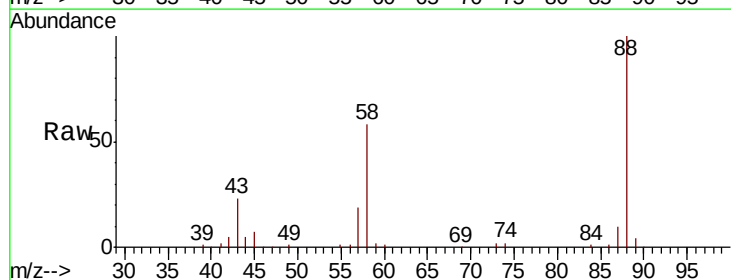
Tgt Ion: 88 Resp: 143177

Ion Ratio Lower Upper

88 100

58 57.3 43.8 65.6

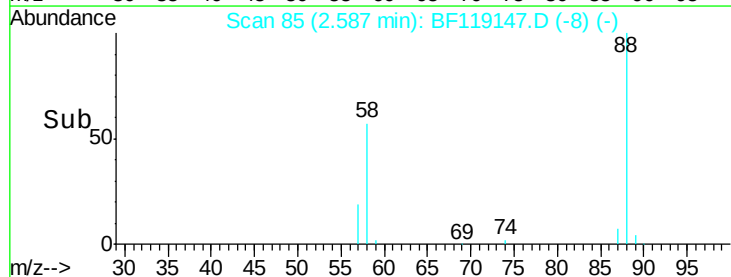
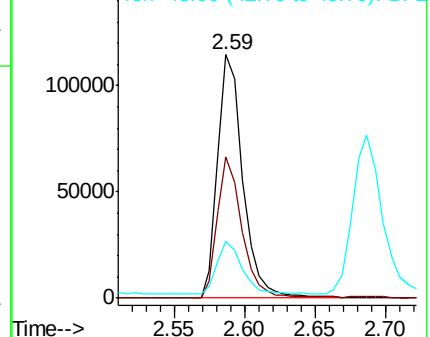
43 0.0 16.2 24.4#

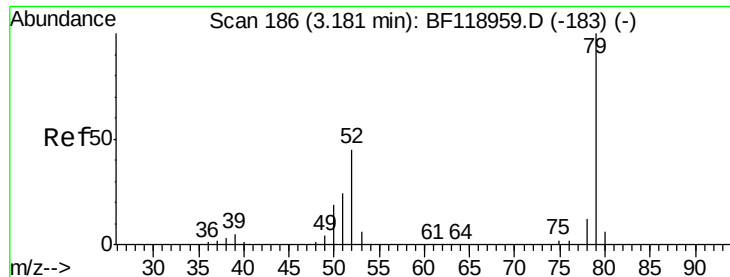


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 29.621 ng

RT: 3.30 min Scan# 206

Delta R.T. 0.14 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

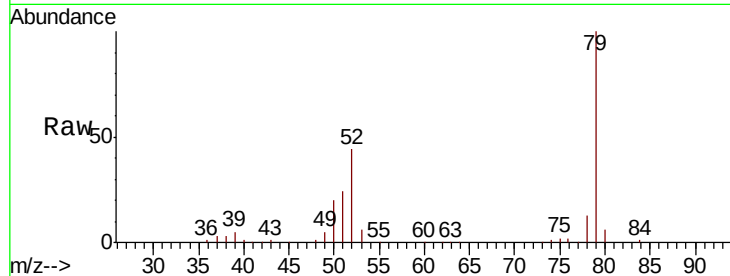
Tot Ion: 79 Resp: 296658

Ion Ratio Lower Upper

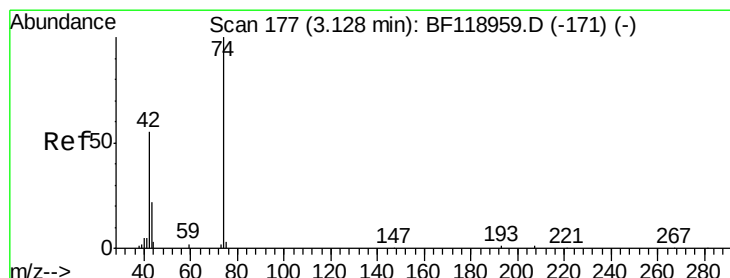
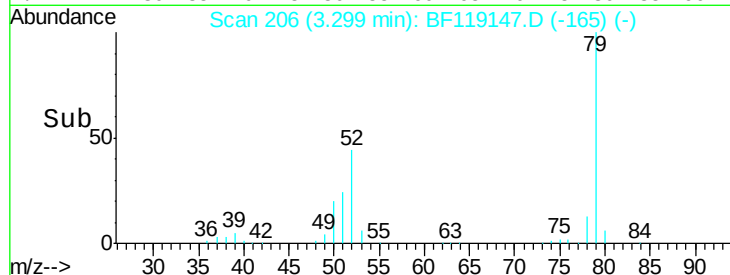
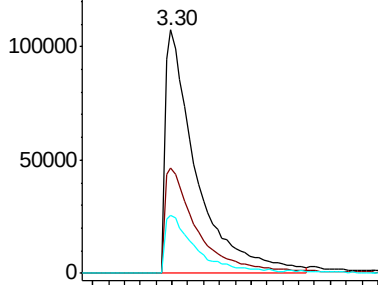
79 100

52 43.5 37.4 56.0

51 23.7 19.8 29.6



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: 50.444 ng

RT: 3.20 min Scan# 190

Delta R.T. 0.08 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

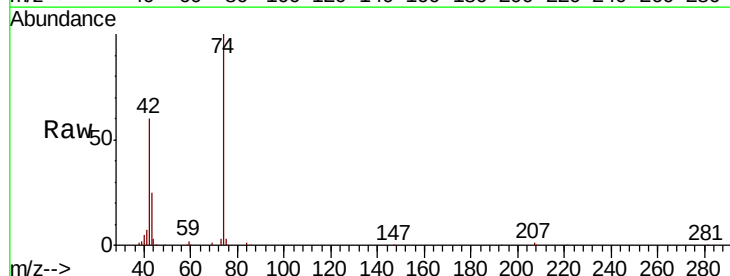
Tgt Ion: 42 Resp: 153041

Ion Ratio Lower Upper

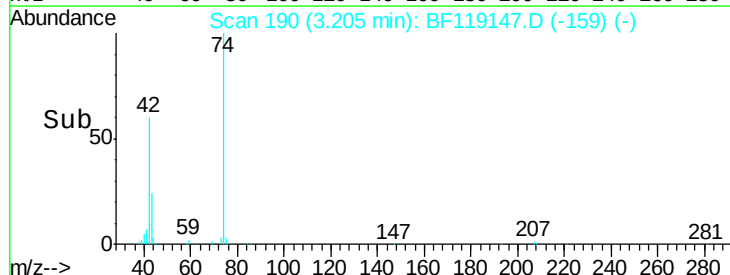
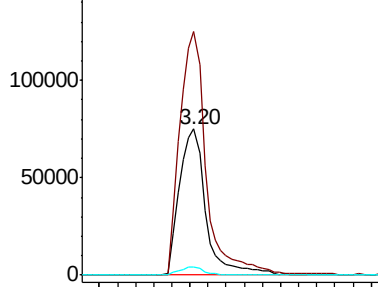
42 100

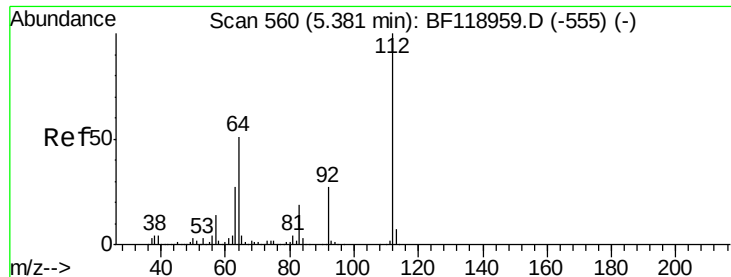
74 167.0 137.7 206.5

44 5.3 4.5 6.7



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: 127.277 ng

RT: 5.37 min Scan# 559

Delta R.T. 0.01 min

Lab File: BF119147.D

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ClientSampleId :

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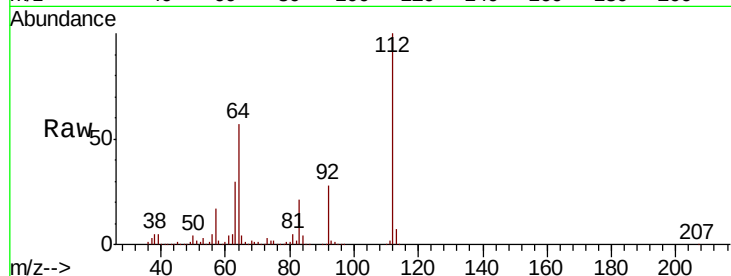
Tot Ion:112 Resp: 1048313

Ion Ratio Lower Upper

112 100

64 56.7 45.0 67.4

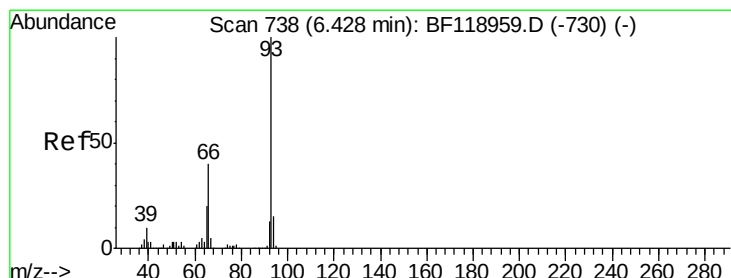
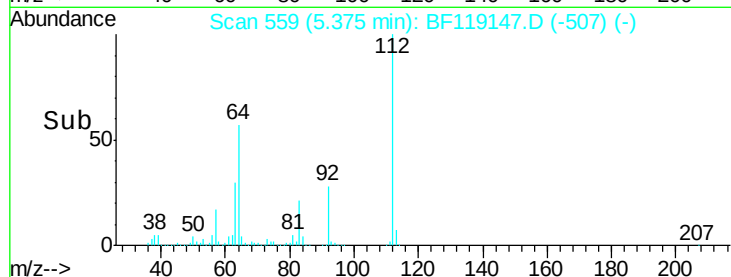
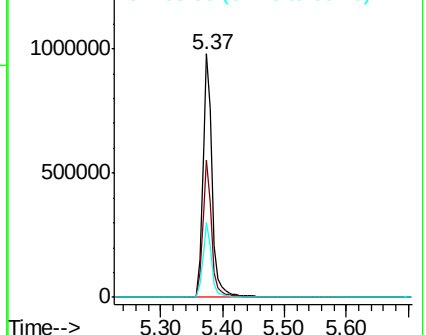
63 30.5 24.2 36.4



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: 10.437 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

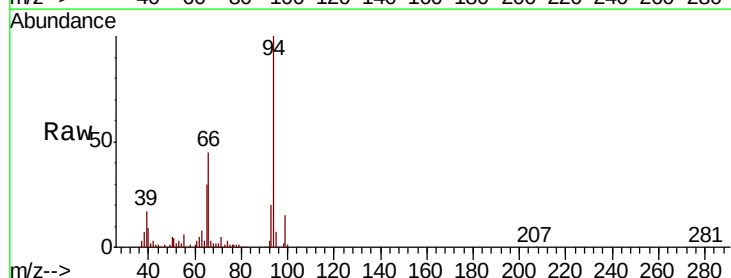
Tgt Ion: 93 Resp: 129002

Ion Ratio Lower Upper

93 100

66 222.1 74.5 111.7#

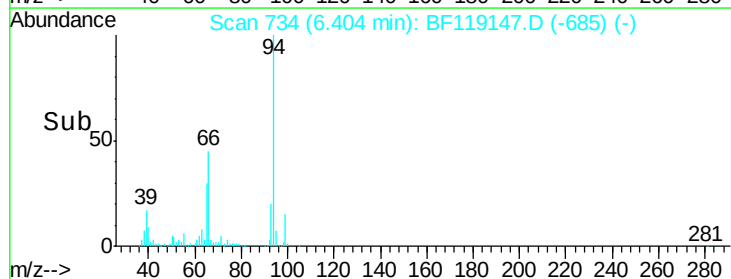
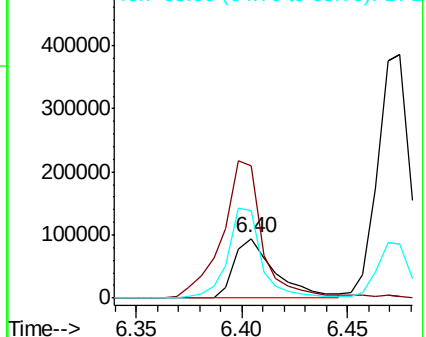
65 146.0 45.3 67.9#

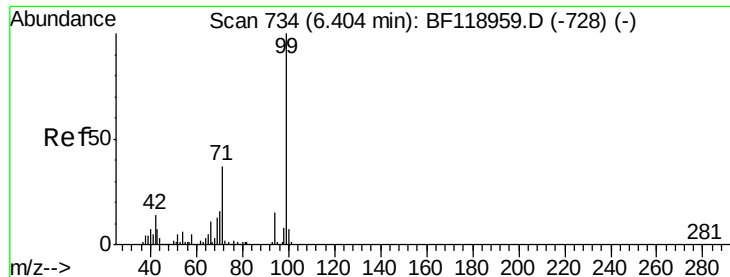


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 119.967 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

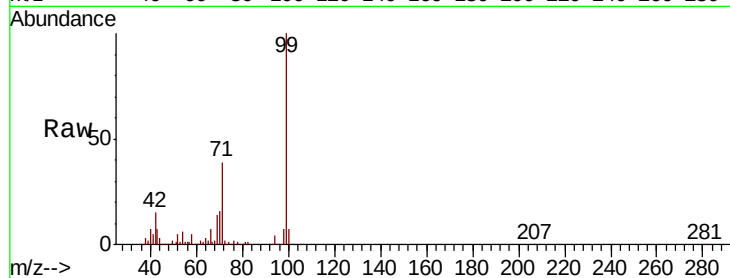
BNA_F

ClientSampleId :

HR-05-022620MSD

Tot Ion: 99 Resp: 1201712

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.6	18.8
71	39.2	31.0	46.4

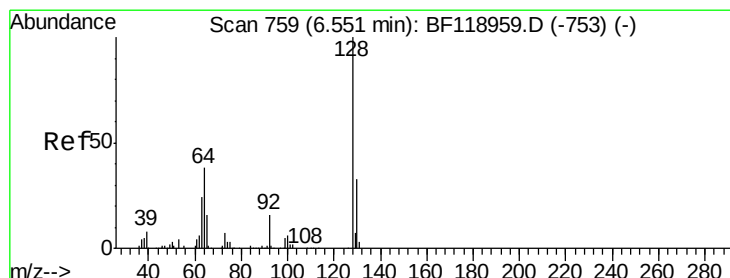
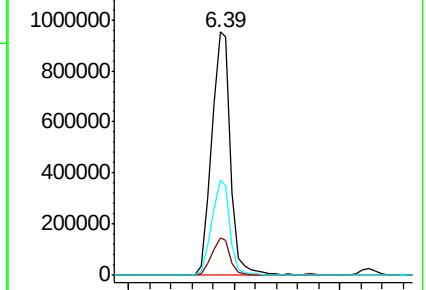
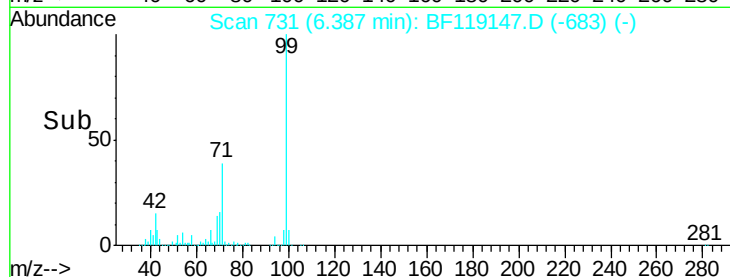


Abundance

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: 52.026 ng

RT: 6.53 min Scan# 755

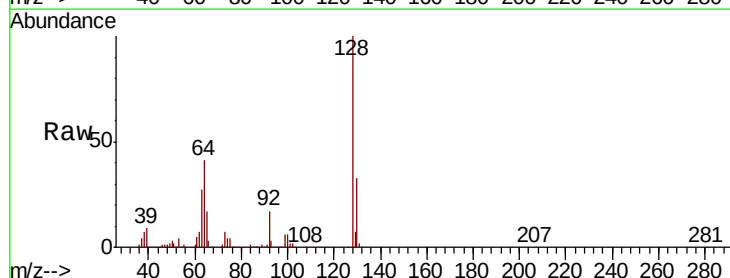
Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Tgt Ion: 128 Resp: 462442

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	40.9	22.3	62.3

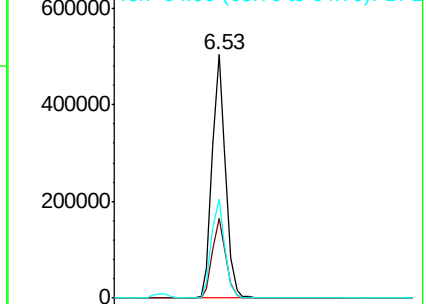
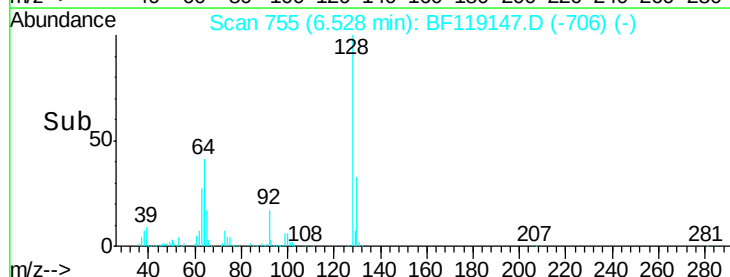


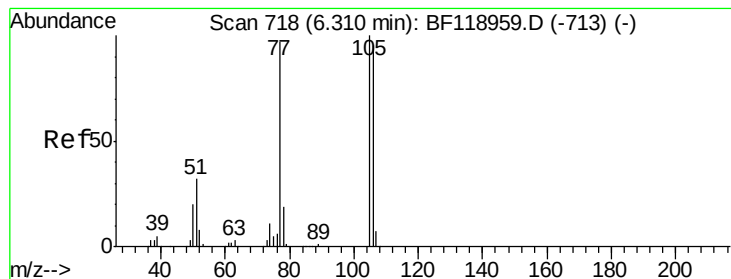
Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 25.785 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

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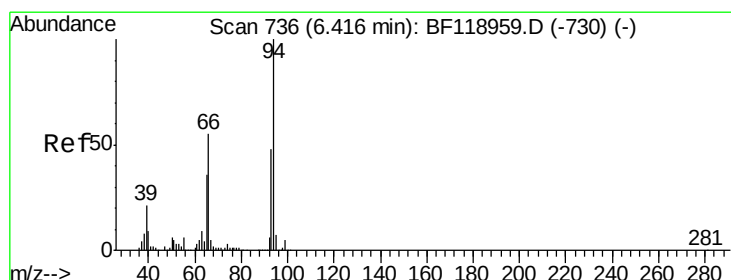
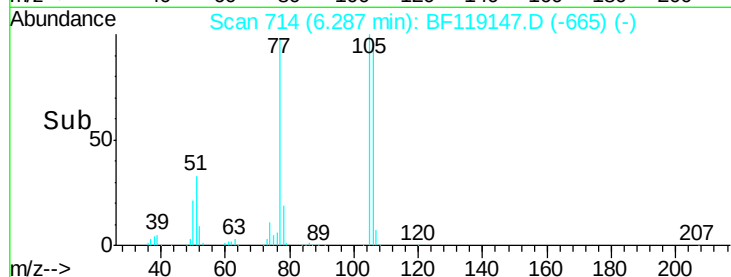
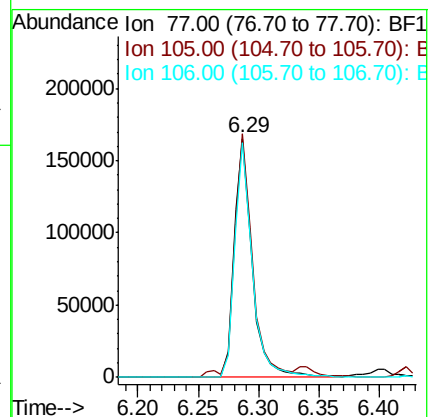
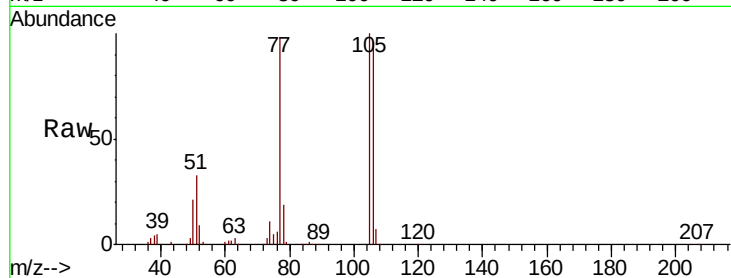
Tot Ion: 77 Resp: 172568

Ion Ratio Lower Upper

77 100

105 101.8 80.1 120.1

106 98.1 75.9 115.9



#10

Phenol

Concen: 42.816 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

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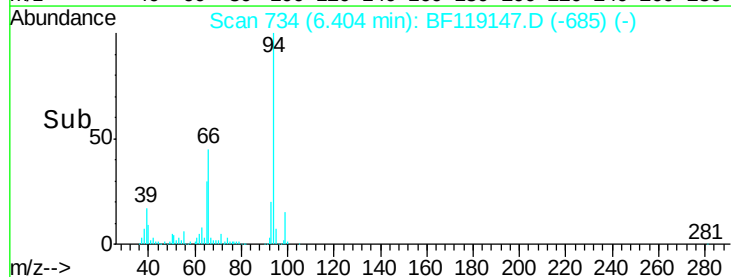
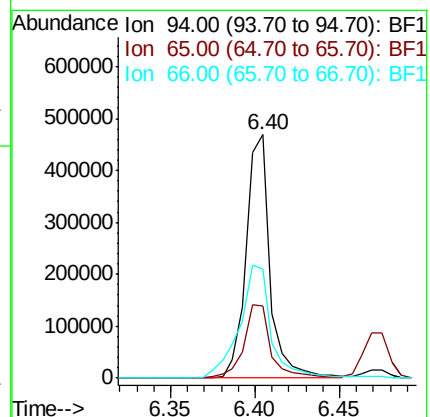
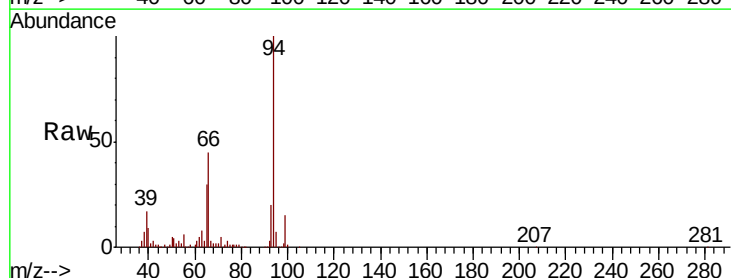
Tgt Ion: 94 Resp: 463704

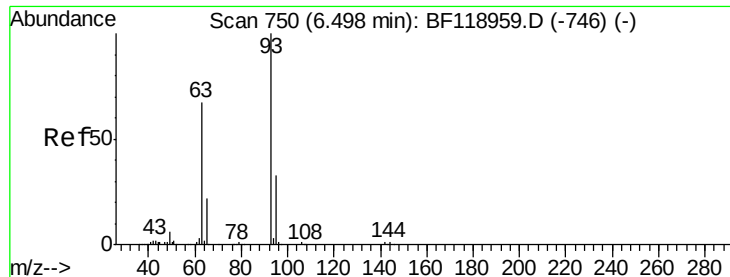
Ion Ratio Lower Upper

94 100

65 29.5 19.2 59.2

66 44.9 44.4 84.4

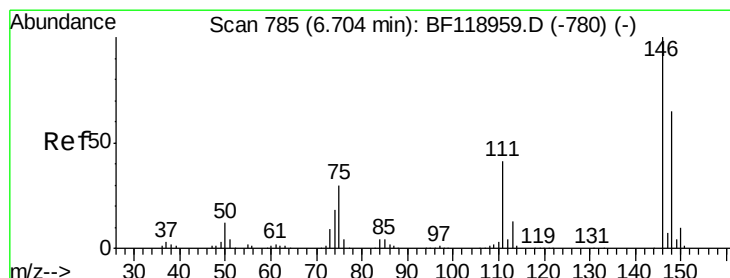
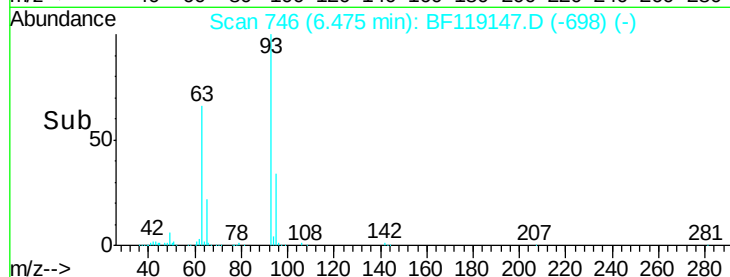
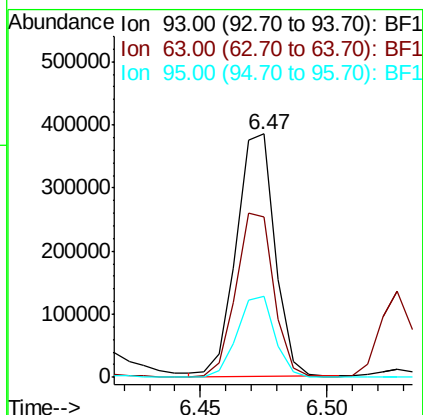
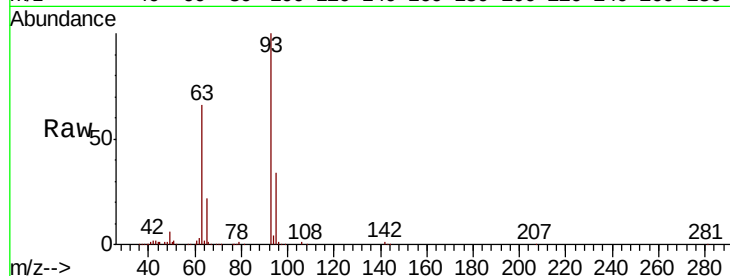




#11
bis(2-Chloroethyl)ether
Concen: 49.180 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

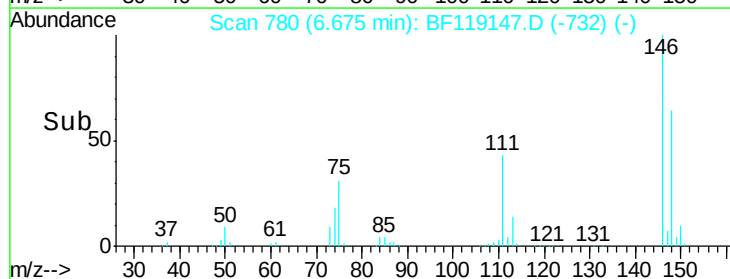
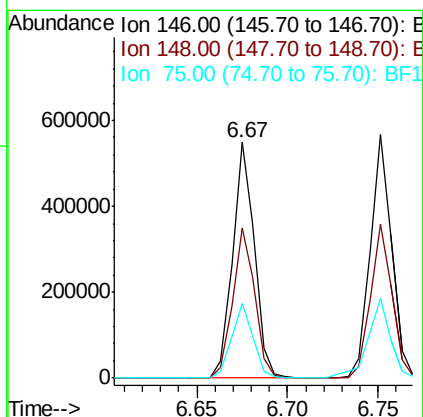
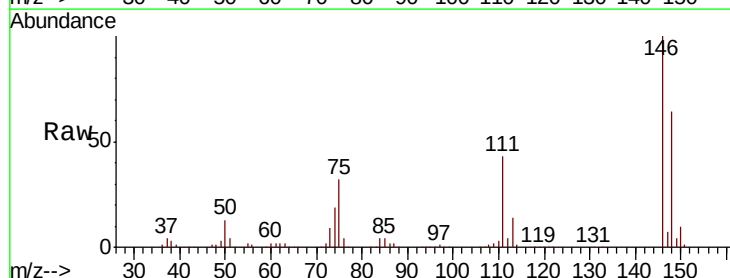
Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

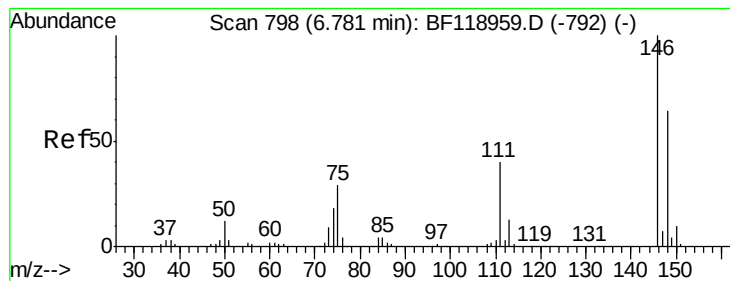
Tot Ion: 93 Resp: 407538
Ion Ratio Lower Upper
93 100
63 66.1 45.4 85.4
95 33.5 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 43.152 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion: 146 Resp: 459729
Ion Ratio Lower Upper
146 100
148 63.7 52.5 78.7
75 31.9 23.6 35.4





#13

1,4-Dichlorobenzene

Concen: 44.164 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

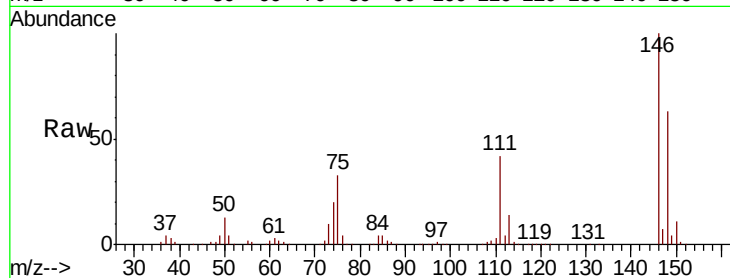
Tot Ion:146 Resp: 470830

Ion Ratio Lower Upper

146 100

148 63.1 51.1 76.7

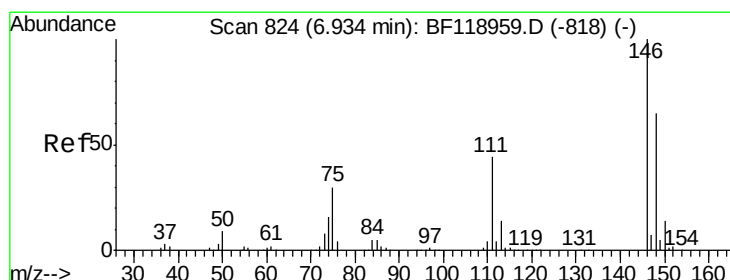
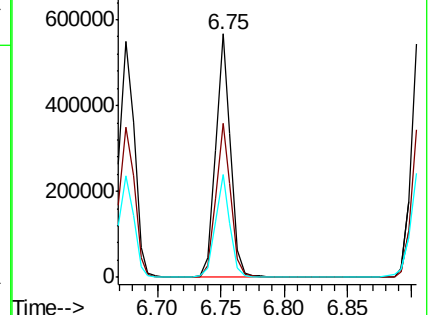
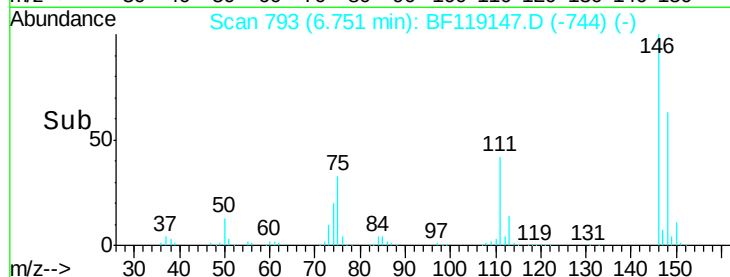
111 42.2 34.8 52.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 45.229 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

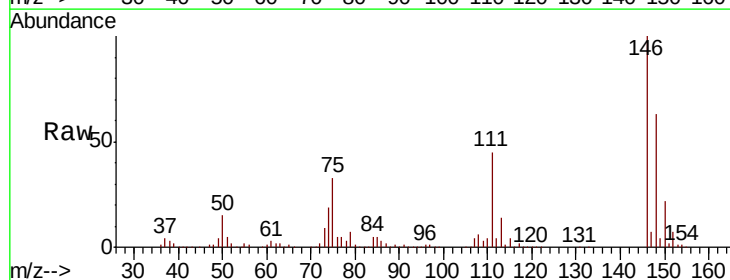
Tgt Ion:146 Resp: 439758

Ion Ratio Lower Upper

146 100

148 63.0 51.9 77.9

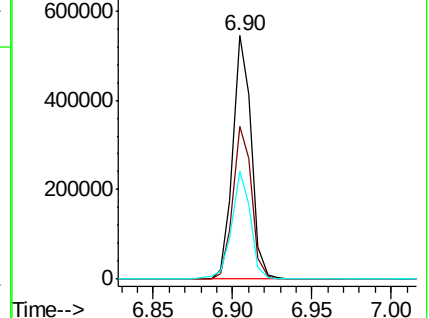
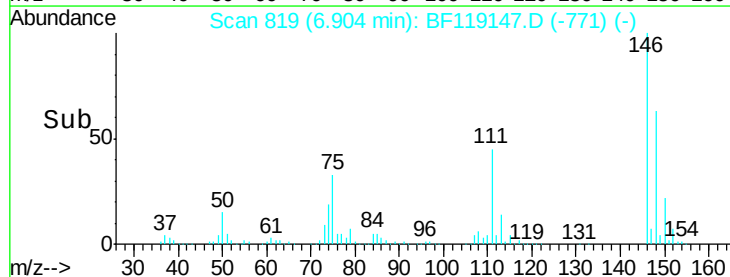
111 44.5 36.2 54.2

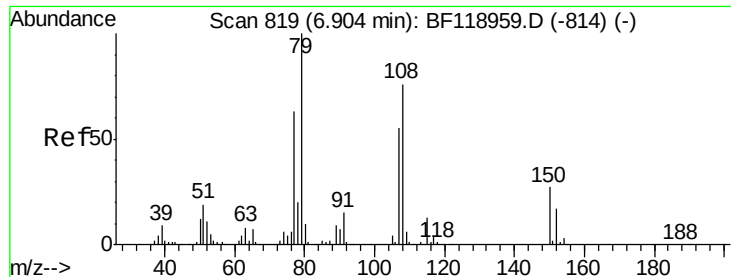


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 54.158 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

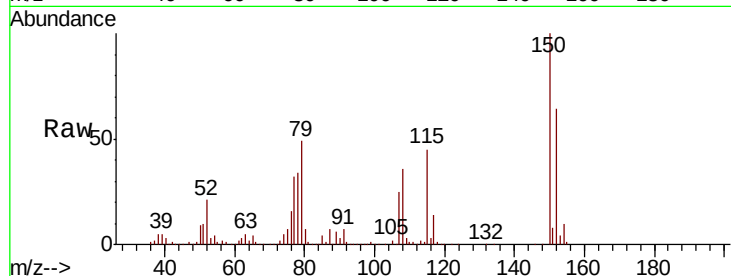
Tot Ion: 79 Resp: 392090

Ion Ratio Lower Upper

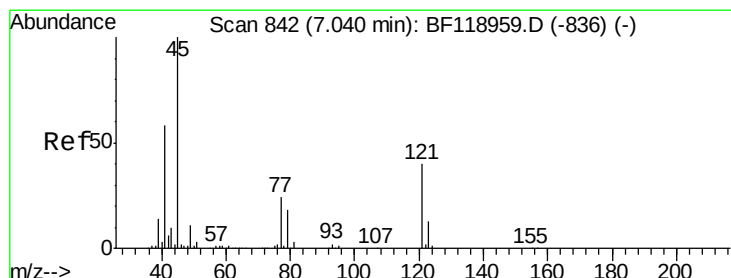
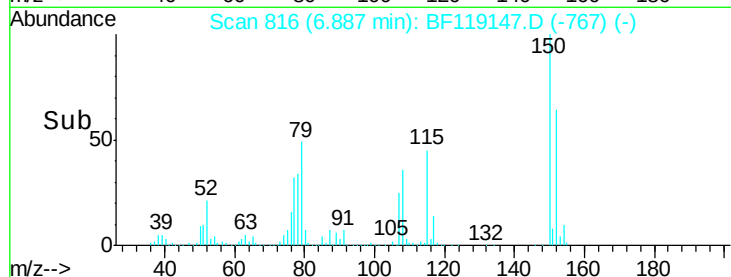
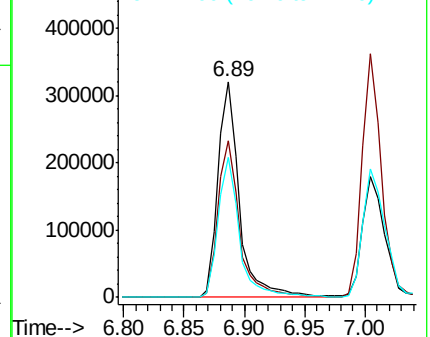
79 100

108 72.4 58.2 87.2

77 64.7 51.2 76.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.908 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

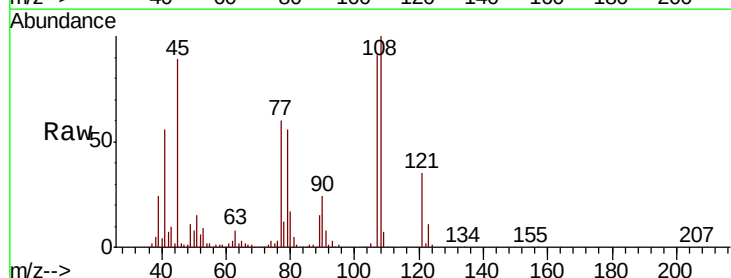
Tgt Ion: 45 Resp: 315185

Ion Ratio Lower Upper

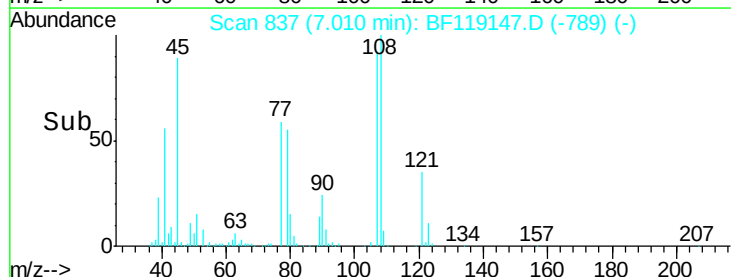
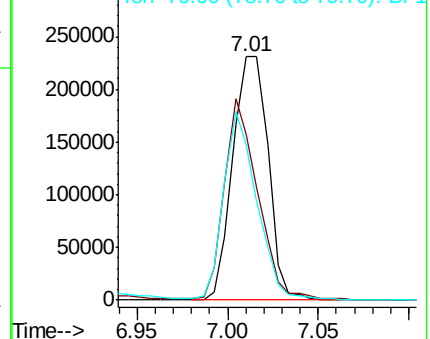
45 100

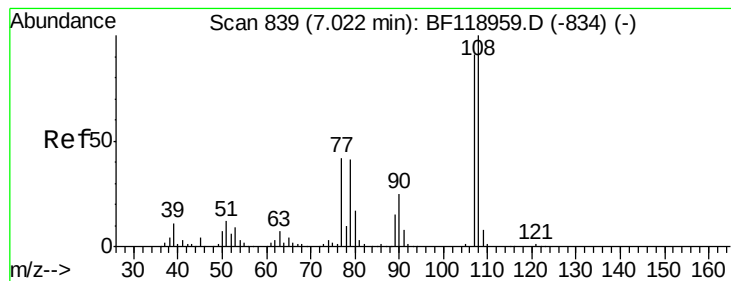
77 67.8 15.0 55.0#

79 63.7 9.4 49.4#



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

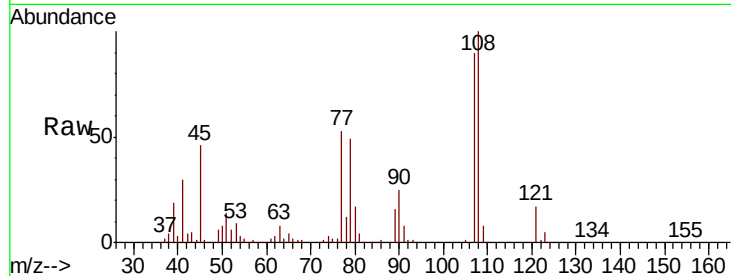




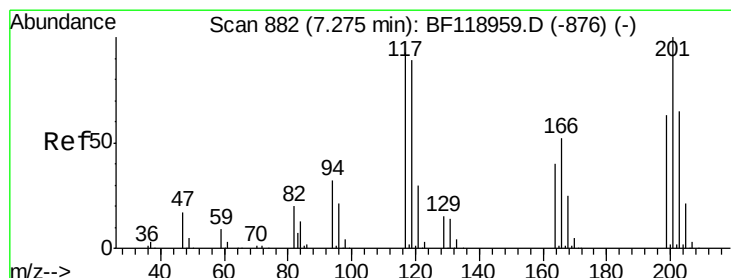
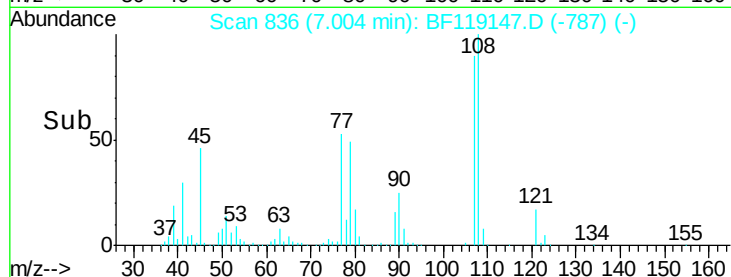
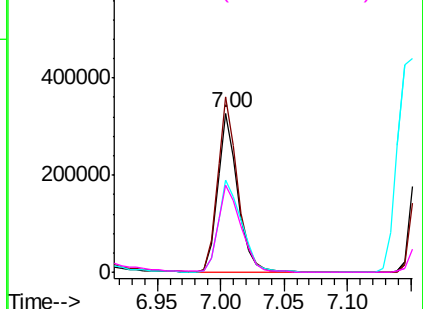
#17
2-Methylphenol
Concen: 50.007 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion:	107	Resp:	360379
Ion	Ratio	Lower	Upper
107	100		
108	110.8	87.9	131.9
77	58.3	45.3	67.9
79	54.8	43.0	64.4

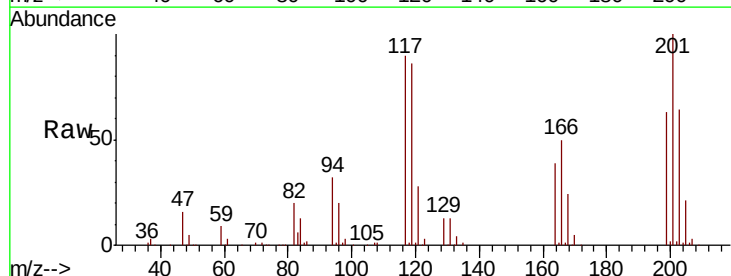


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

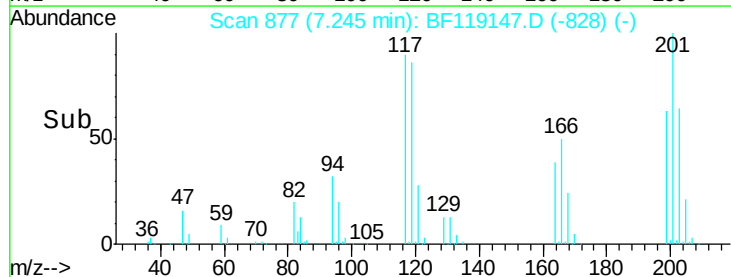
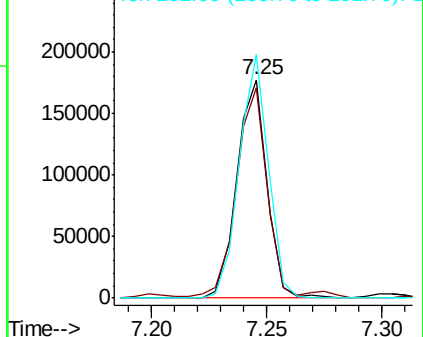


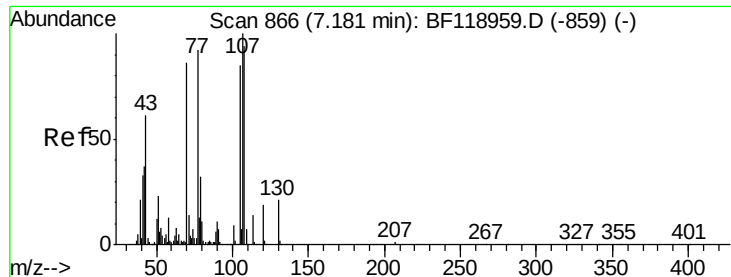
#18
Hexachloroethane
Concen: 42.312 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion:	117	Resp:	161385
Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
201	111.6	82.6	123.8



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

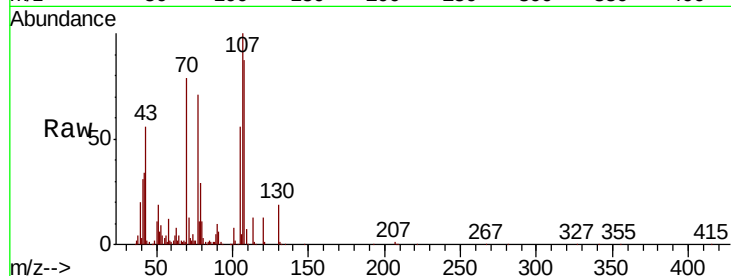




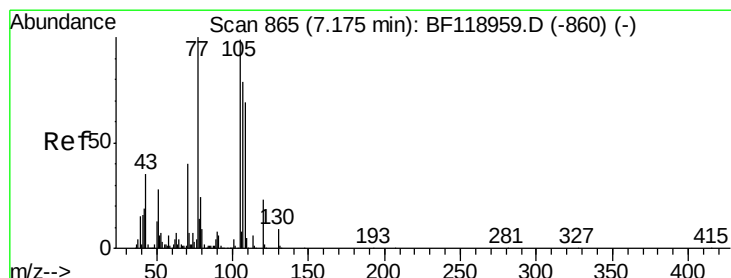
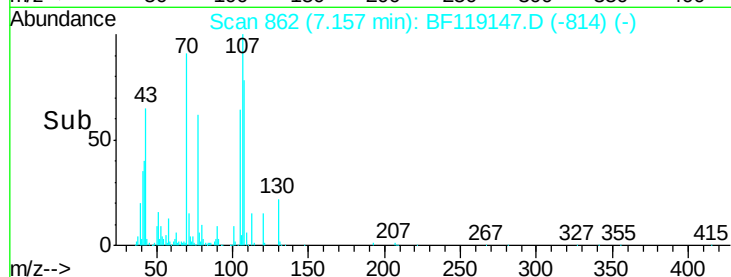
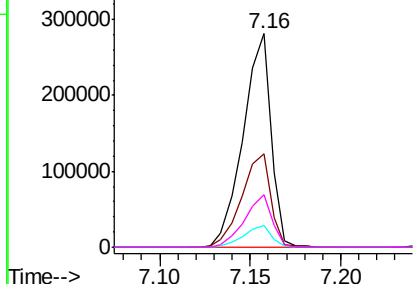
#19
n-Nitroso-di-n-propylamine
Concen: 51.762 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion:	70	Resp:	302133
Ion	Ratio	Lower	Upper
70	100		
42	43.6	38.0	57.0
101	10.1	8.2	12.4
130	24.4	18.2	27.4



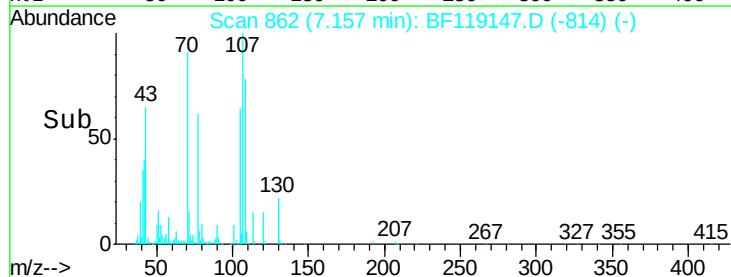
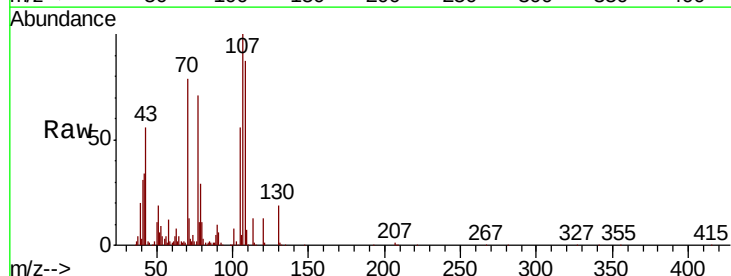
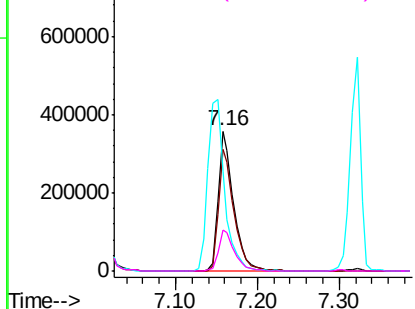
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

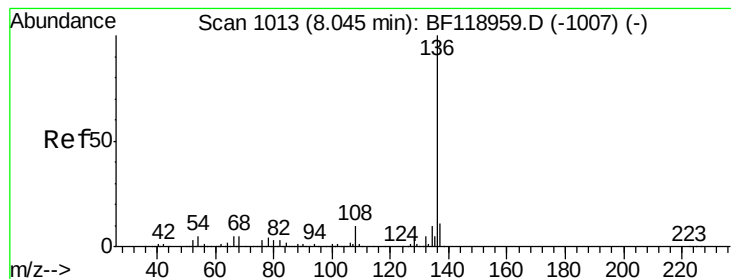


#20
3+4-Methylphenols
Concen: 52.636 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion:	107	Resp:	464721
Ion	Ratio	Lower	Upper
107	100		
108	86.5	71.5	111.5
77	71.0	45.9	85.9
79	29.1	13.8	53.8

Abundance Ion 107.00 (106.70 to 107.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

Tot Ion:136 Resp: 531581

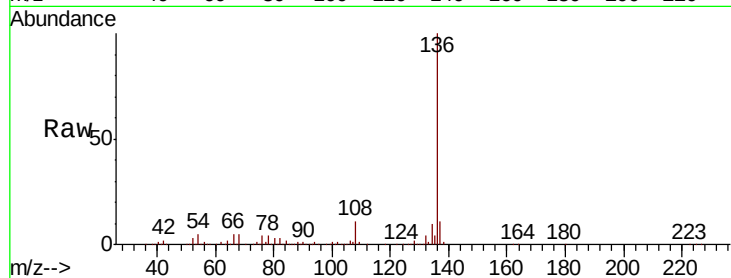
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 5.0 3.8 5.6

68 5.0 3.9 5.9

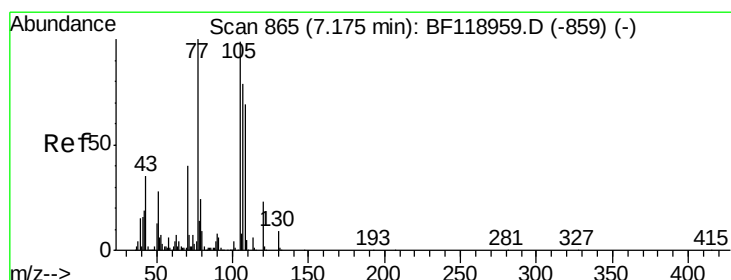
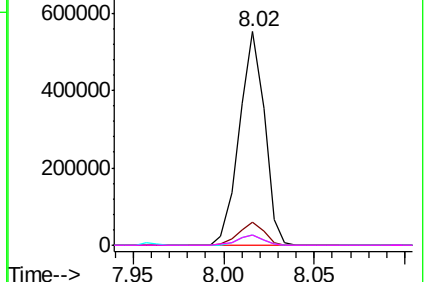
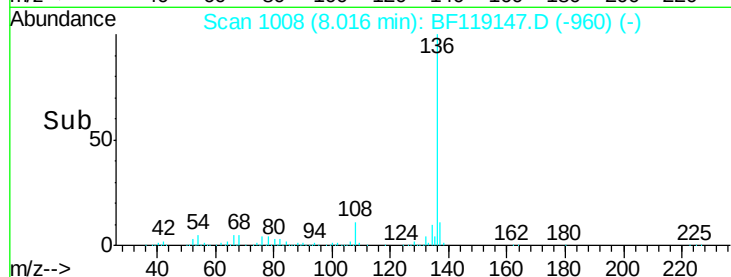


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 51.137 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Tgt Ion:105 Resp: 628956

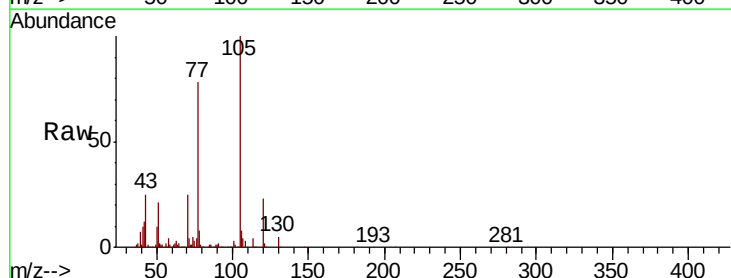
Ion Ratio Lower Upper

105 100

71 4.2 3.0 4.4

51 20.8 20.1 30.1

120 22.7 18.0 27.0

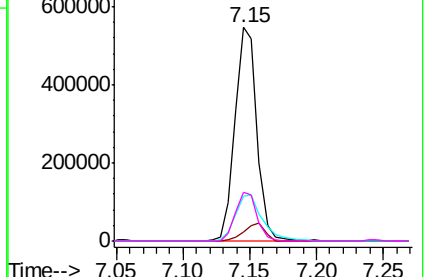
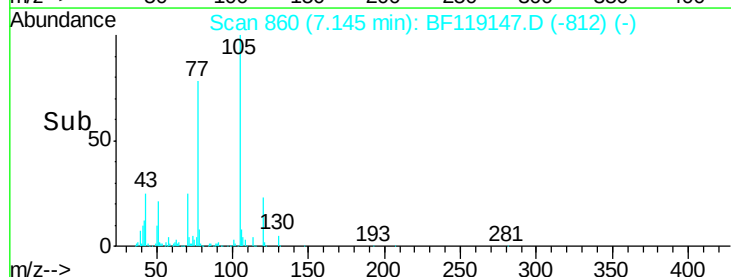


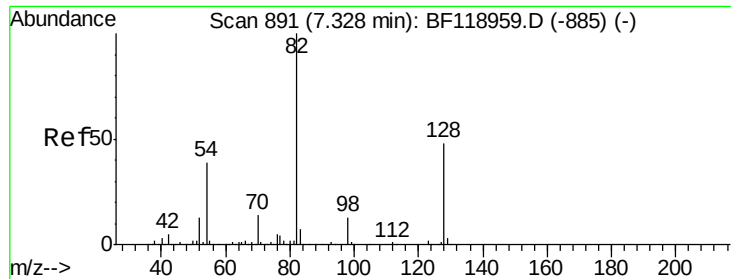
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

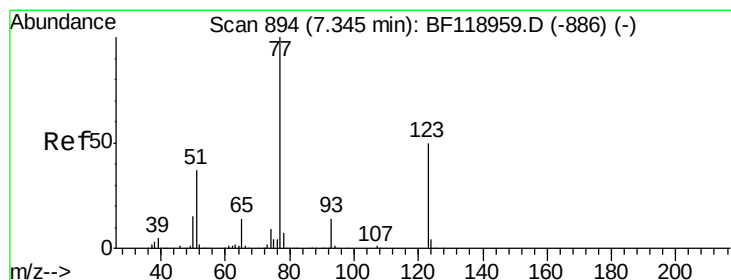
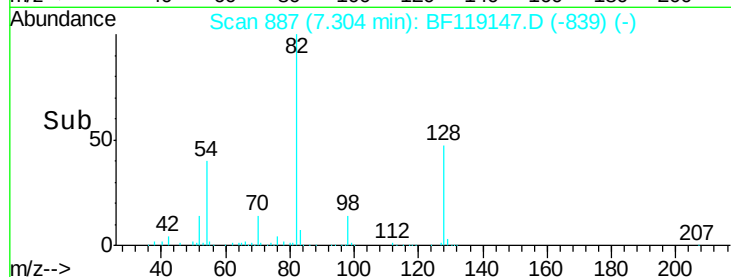
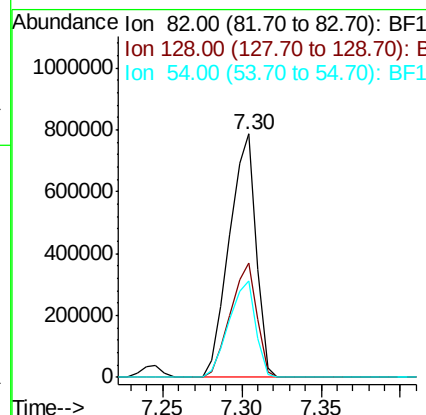
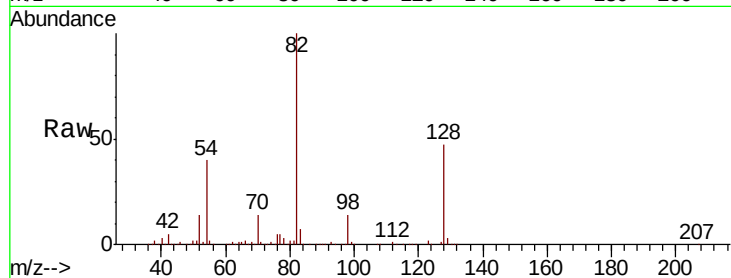




#23
 Nitrobenzene-d5
 Concen: 91.820 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

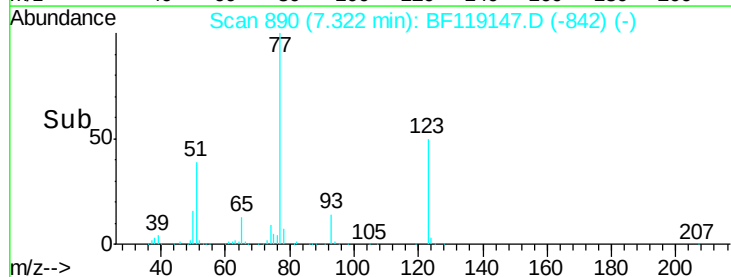
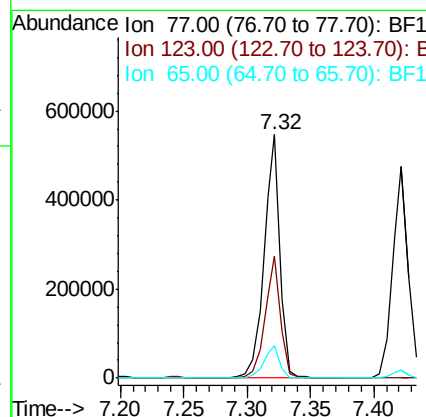
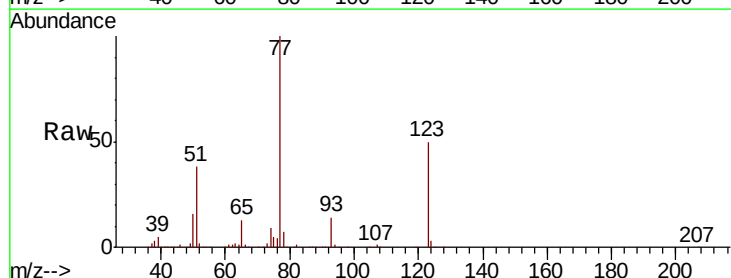
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620MSD

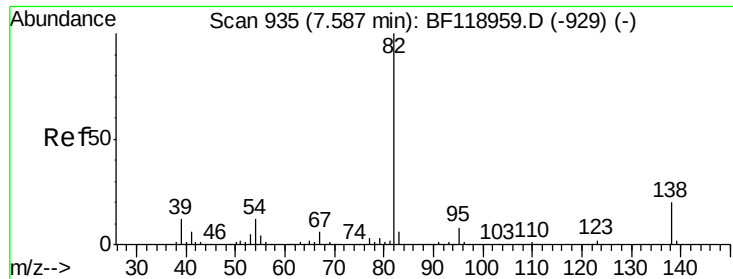
Tot Ion	82	Resp	924430
Ion Ratio	100	Lower	Upper
128	47.1	37.9	56.9
54	39.8	33.4	50.2



#24
 Nitrobenzene
 Concen: 47.987 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.02 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

Tgt Ion	77	Resp	477760
Ion Ratio	100	Lower	Upper
123	49.9	40.2	60.2
65	13.3	10.8	16.2





#25

Isophorone

Concen: 48.256 ng

RT: 7.56 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

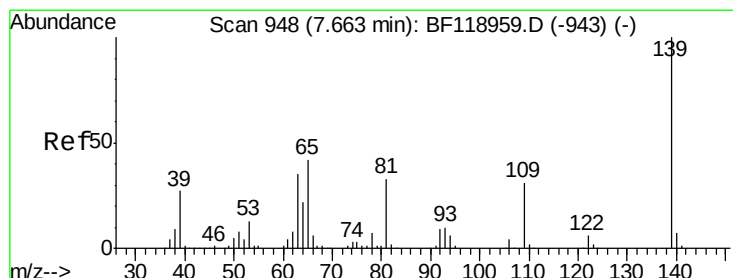
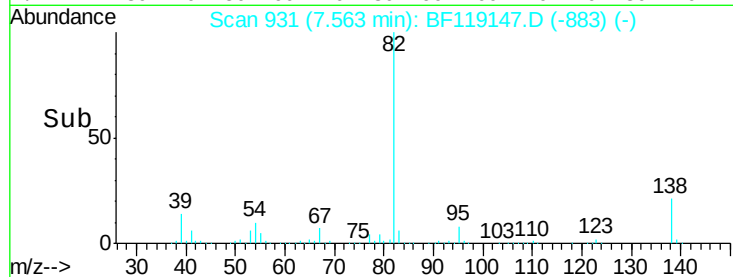
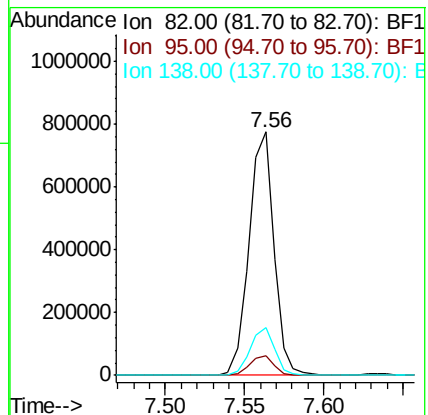
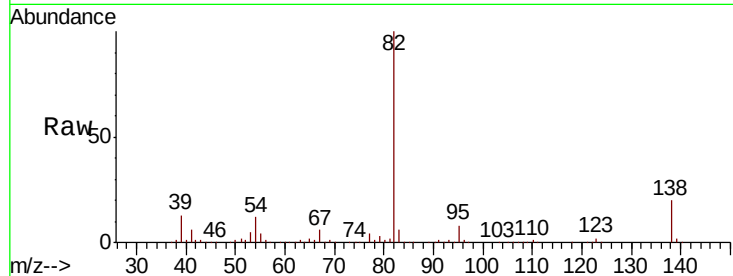
Tot Ion: 82 Resp: 843749

Ion Ratio Lower Upper

82 100

95 7.9 6.4 9.6

138 19.9 15.7 23.5



#26

2-Nitrophenol

Concen: 49.188 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

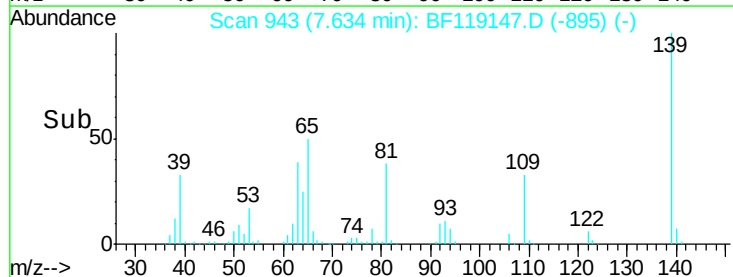
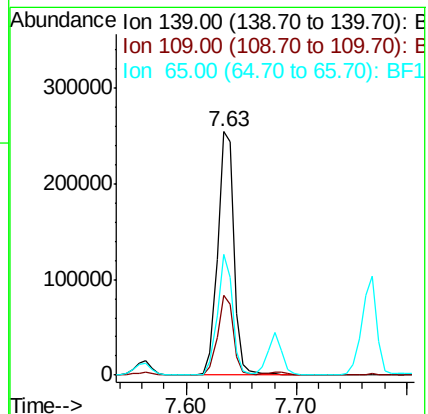
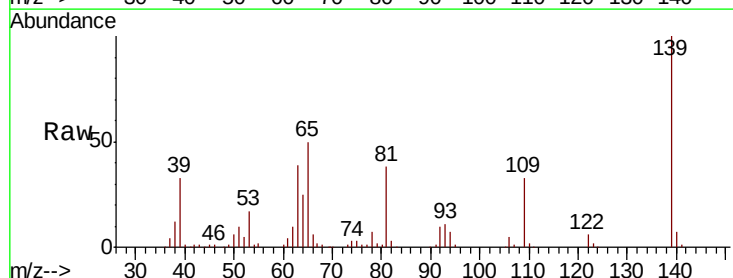
Tgt Ion: 139 Resp: 259475

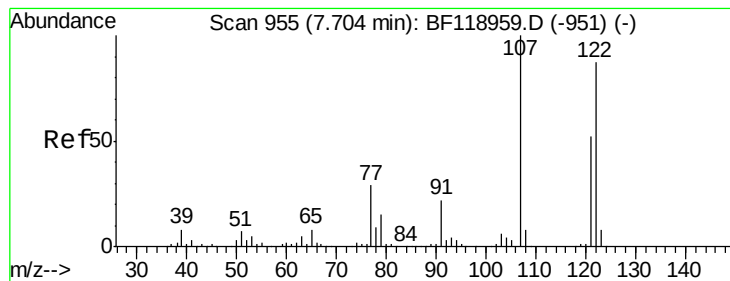
Ion Ratio Lower Upper

139 100

109 32.5 25.7 38.5

65 49.6 37.1 55.7

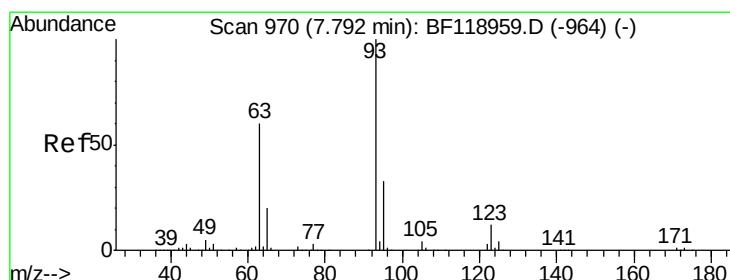
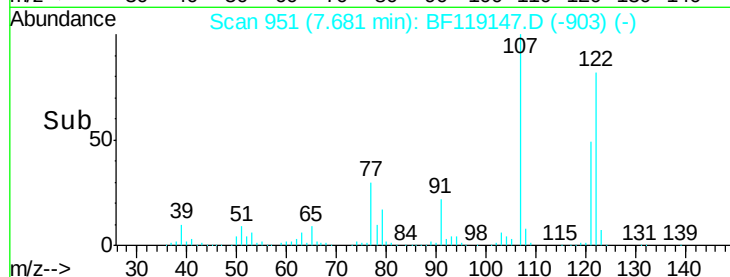
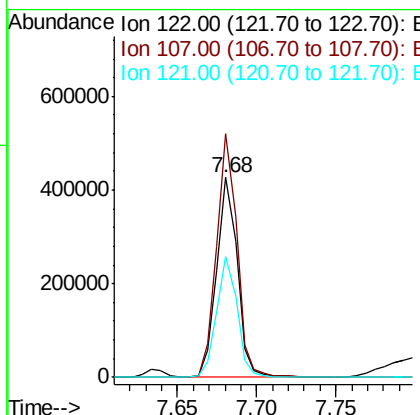
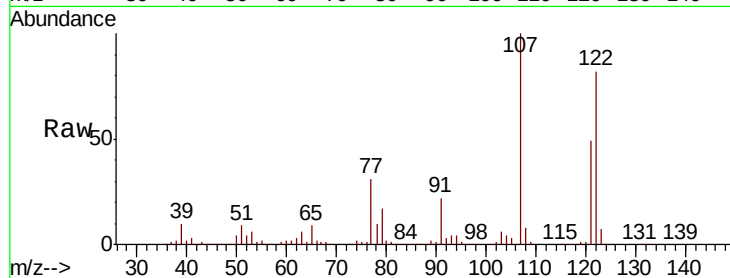




#27
 2,4-Dimethylphenol
 Concen: 53.992 ng
 RT: 7.68 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

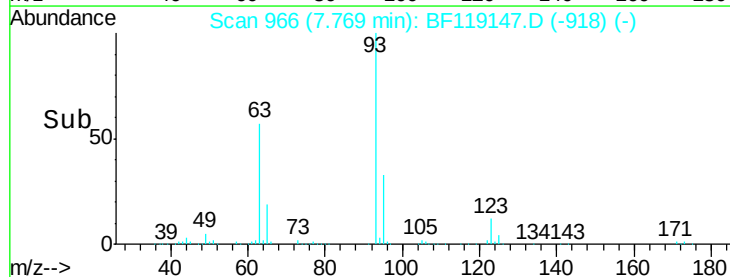
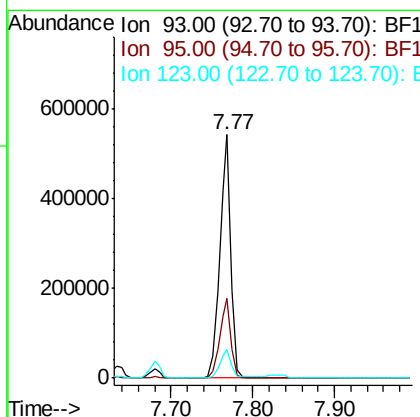
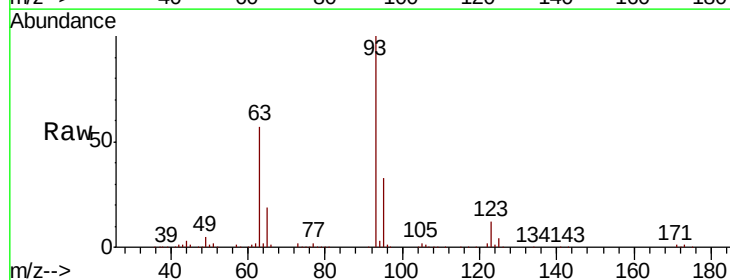
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620MSD

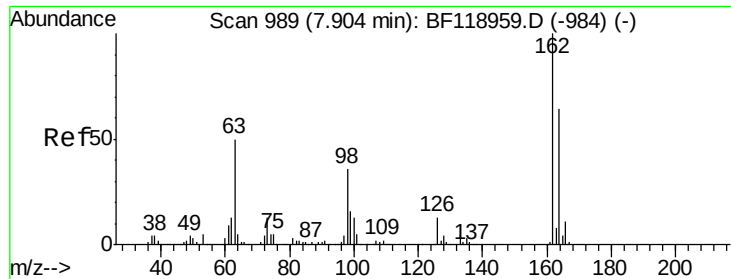
Tot Ion	Ratio	Lower	Upper
122	100		
107	122.0	93.8	140.6
121	60.3	48.2	72.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.638 ng
 RT: 7.77 min Scan# 966
 Delta R.T. -0.02 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.5	39.7
123	11.7	10.2	15.2

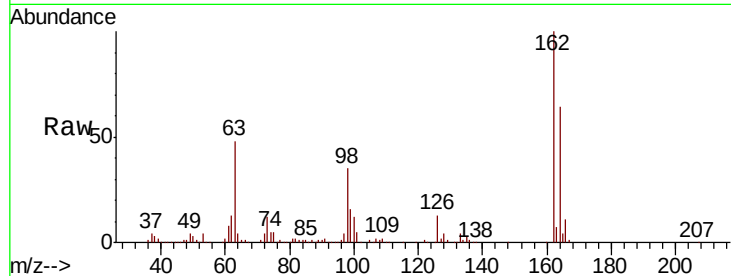




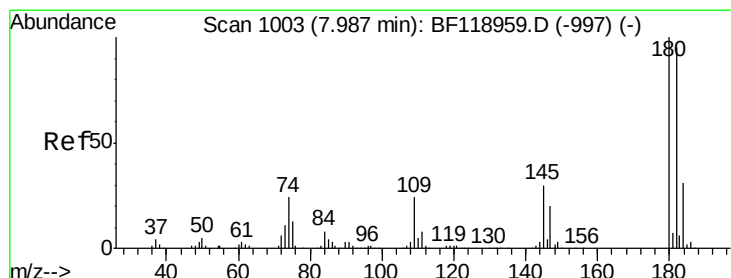
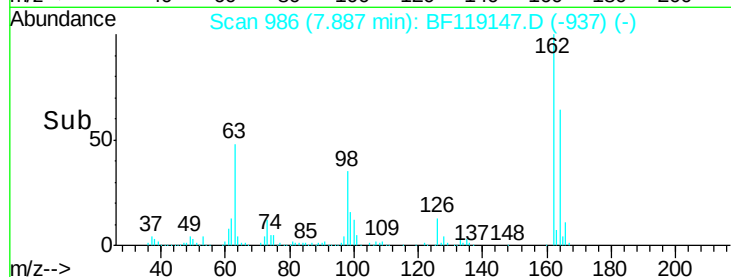
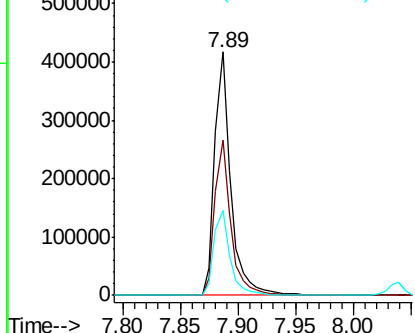
#29
2,4-Dichlorophenol
Concen: 48.067 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.0	45.2	85.2
98	35.0	17.4	57.4

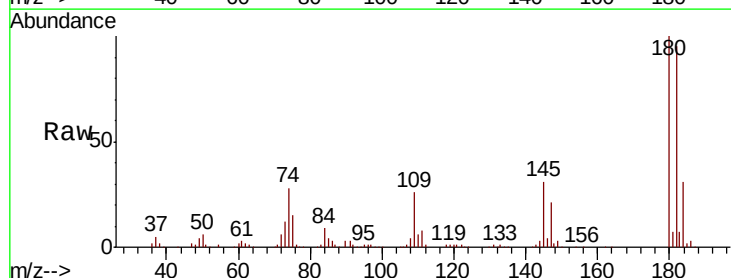


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

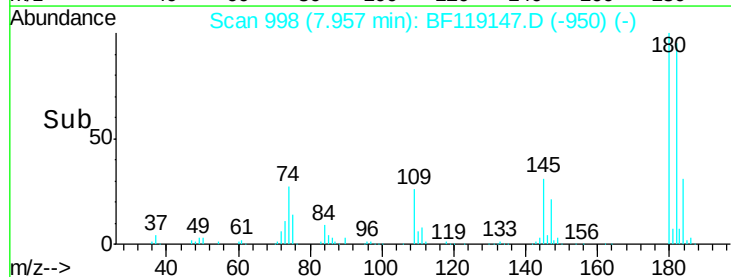
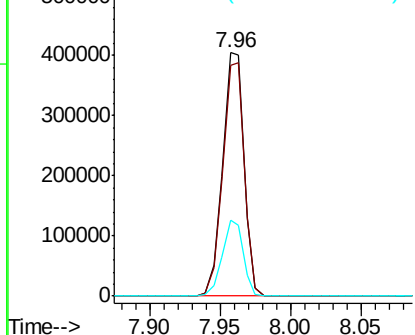


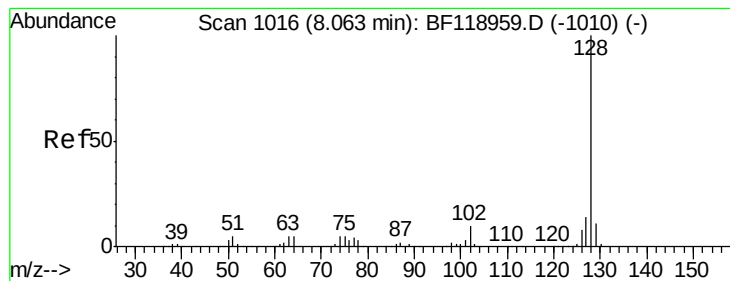
#30
1,2,4-Trichlorobenzene
Concen: 42.728 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.8	116.6
145	31.2	25.2	37.8



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: 46.795 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

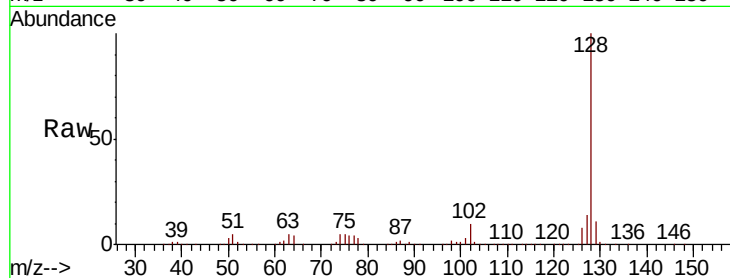
Tot Ion:128 Resp: 1290080

Ion Ratio Lower Upper

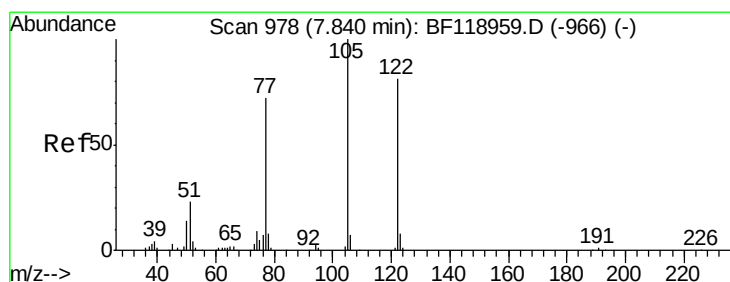
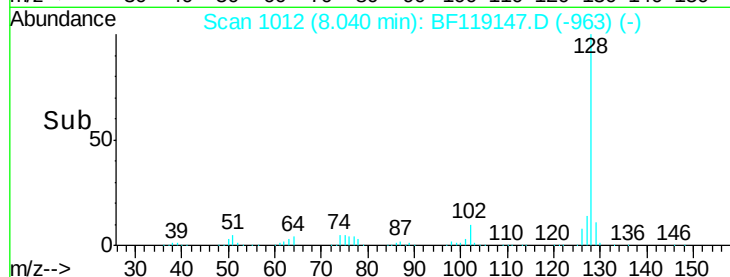
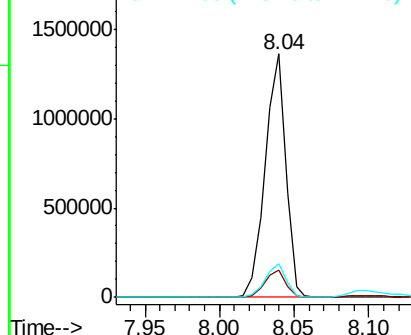
128 100

129 11.2 9.4 14.2

127 13.9 11.4 17.2



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



#32

Benzoic acid

Concen: 48.833 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

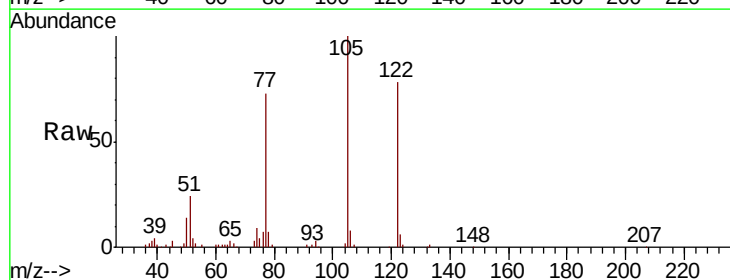
Tgt Ion:122 Resp: 255803

Ion Ratio Lower Upper

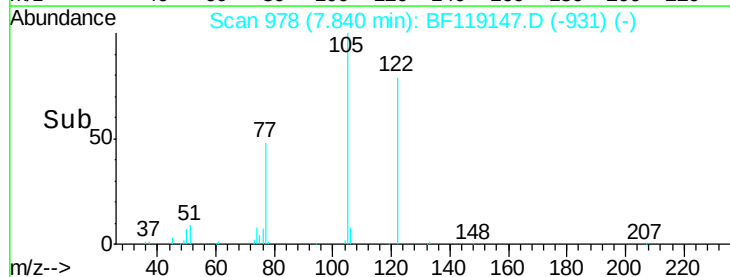
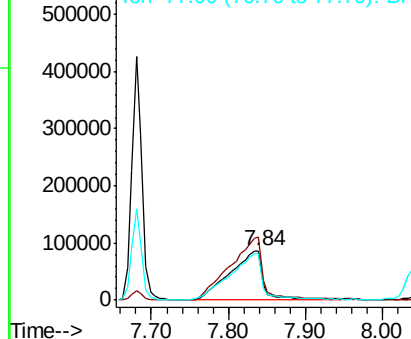
122 100

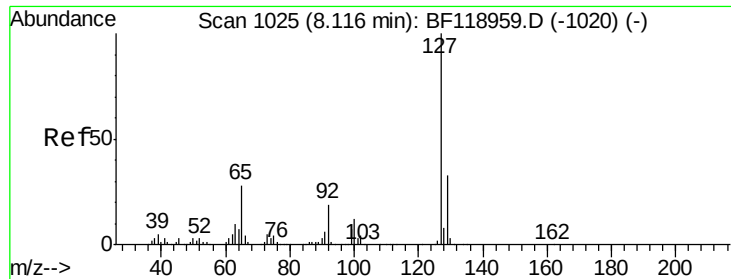
105 128.1 106.3 146.3

77 93.9 73.1 113.1



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

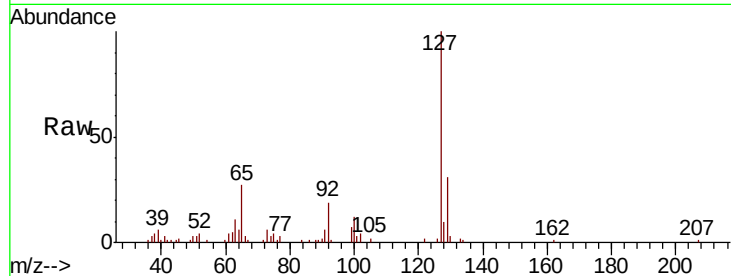




#33
4-Chloroaniline
Concen: 6.620 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion:127	Resp:	78491	
Ion Ratio	Lower	Upper	
127 100			
129 30.9	25.9	38.9	
65 27.2	23.9	35.9	
92 18.7	16.3	24.5	



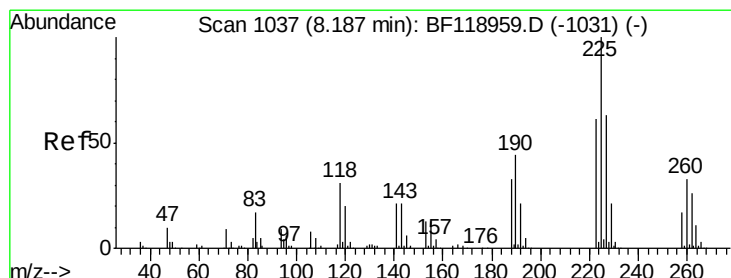
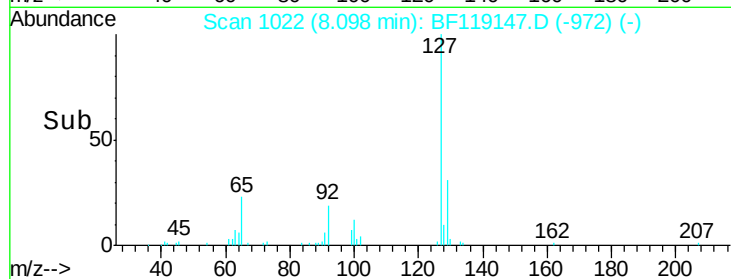
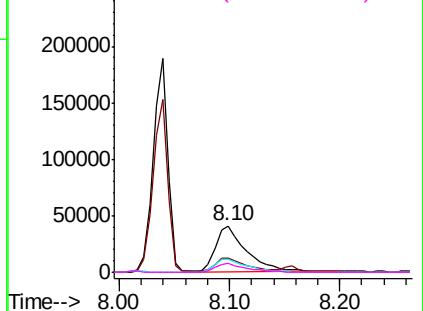
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

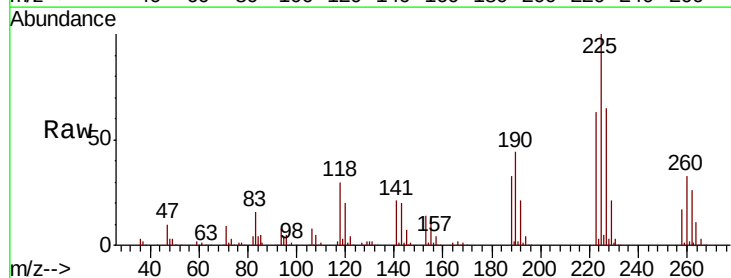
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 39.799 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion	225	Resp: Lower	247730 Upper
	Ratio		
225	100		
223	62.8	49.4	74.2
227	65.0	52.9	79.3

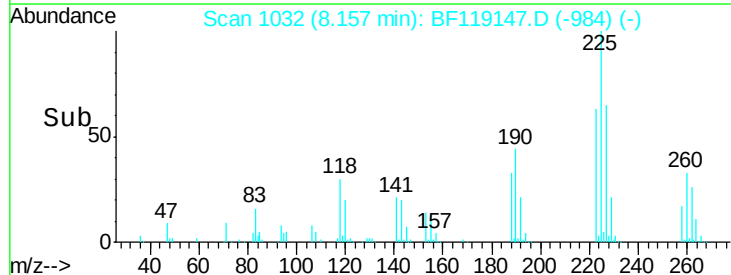
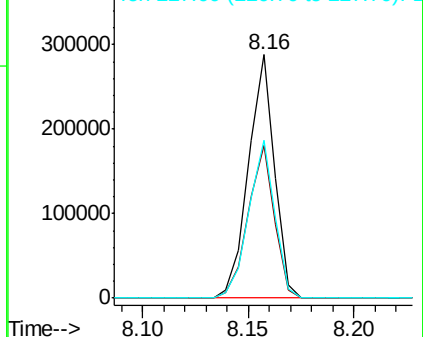


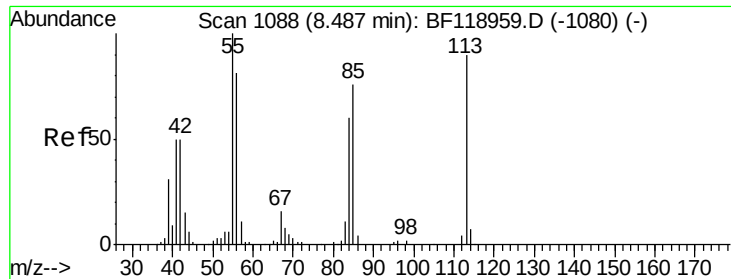
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 43.776 ng/mL

RT: 8.47 min Scan# 1086

Delta R.T. -0.03 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

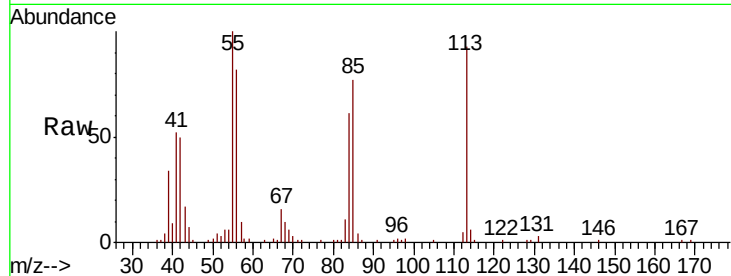
Tot Ion:113 Resp: 113607

Ion Ratio Lower Upper

113 100

55 108.0 95.7 135.7

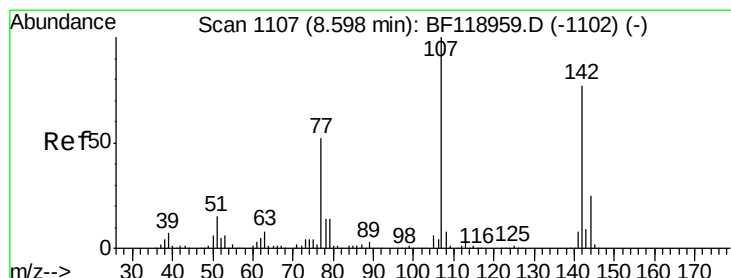
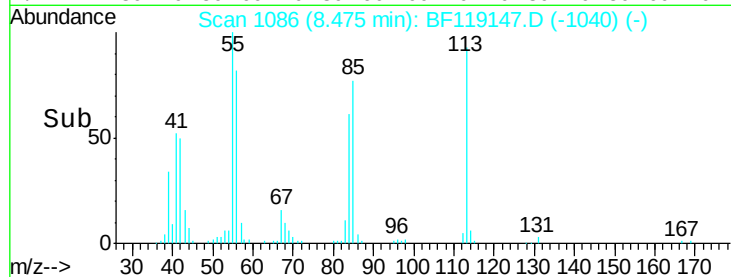
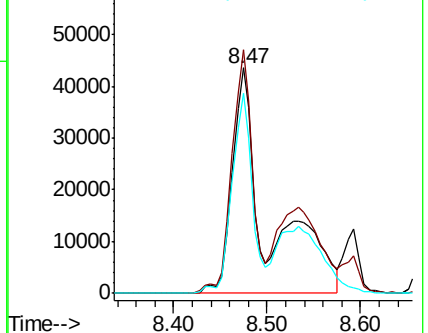
56 88.7 73.1 113.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 51.140 ng/mL

RT: 8.59 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

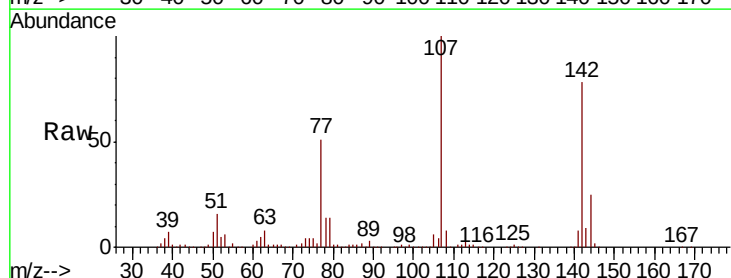
Tgt Ion:107 Resp: 436216

Ion Ratio Lower Upper

107 100

144 25.1 20.1 30.1

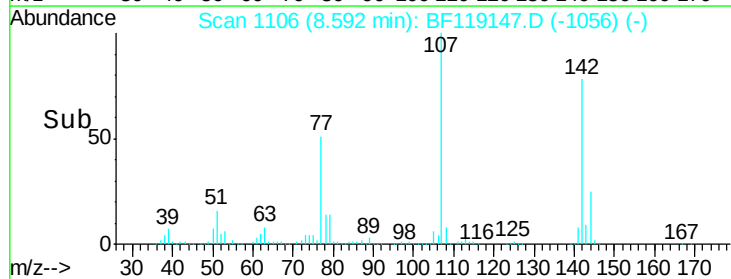
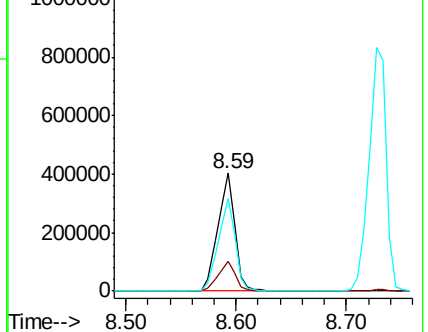
142 78.3 61.4 92.2

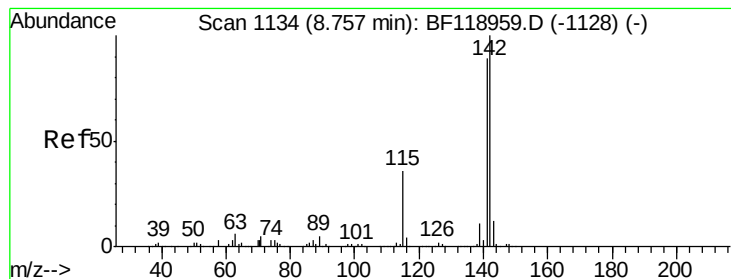


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 49.254 ng

RT: 8.73 min Scan# 1129

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

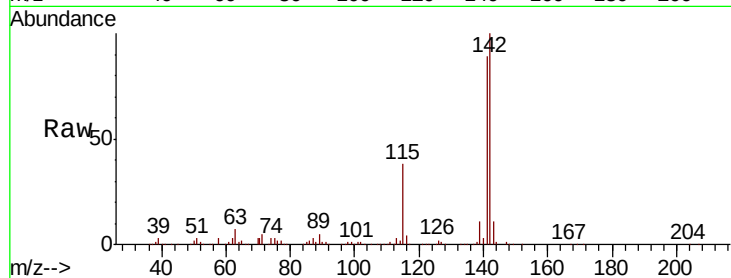
Tot Ion:142 Resp: 913811

Ion Ratio Lower Upper

142 100

141 89.4 72.3 108.5

115 37.7 30.6 45.8



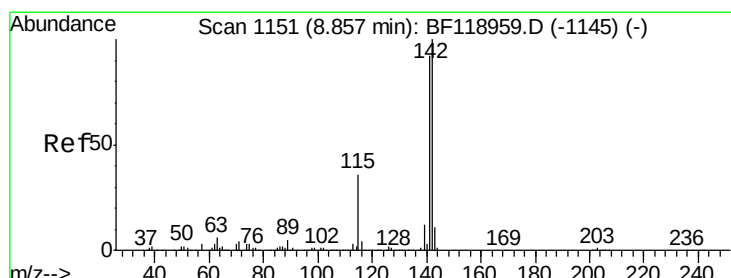
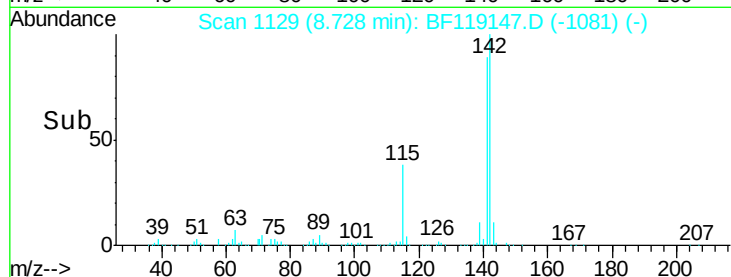
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

8.73

Time-->



#38

1-Methylnaphthalene

Concen: 48.760 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

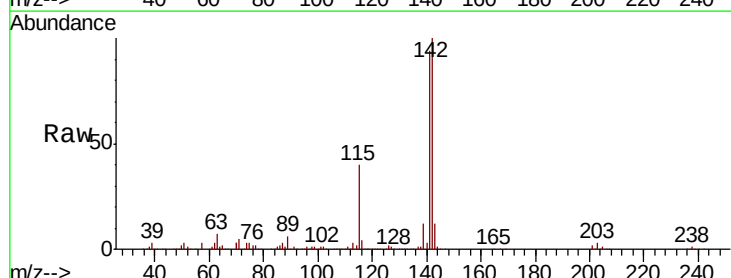
Tgt Ion:142 Resp: 850778

Ion Ratio Lower Upper

142 100

141 93.5 75.8 113.6

116 4.0 3.1 4.7



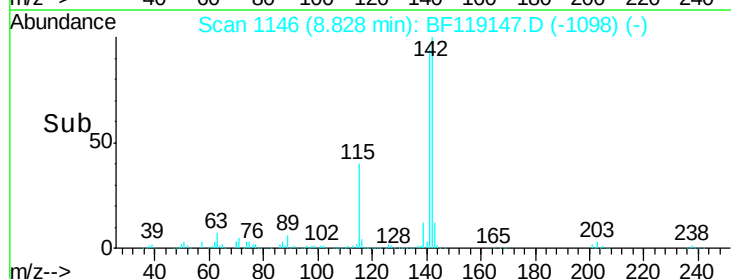
Abundance Ion 142.00 (141.70 to 142.70): E

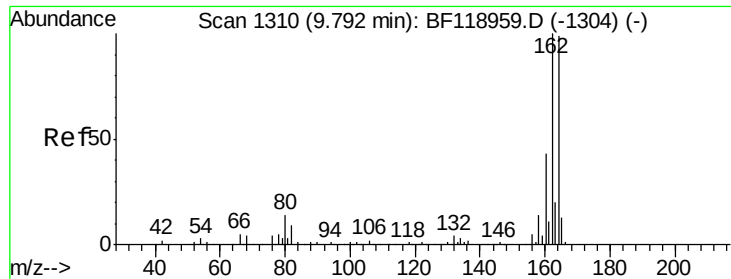
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

8.83

Time-->

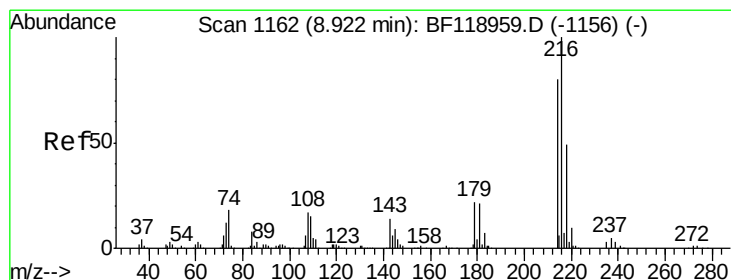
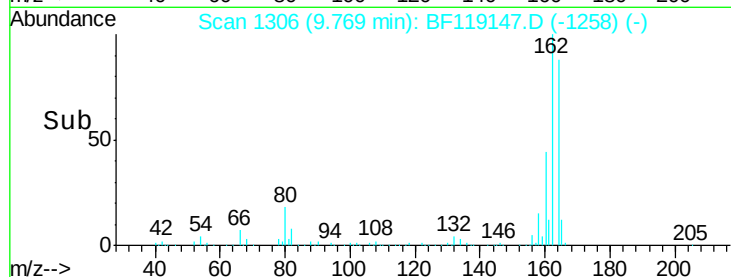
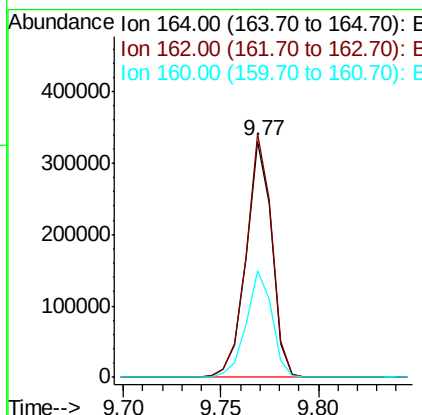
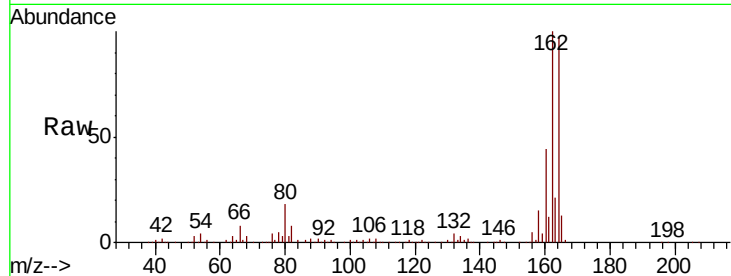




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

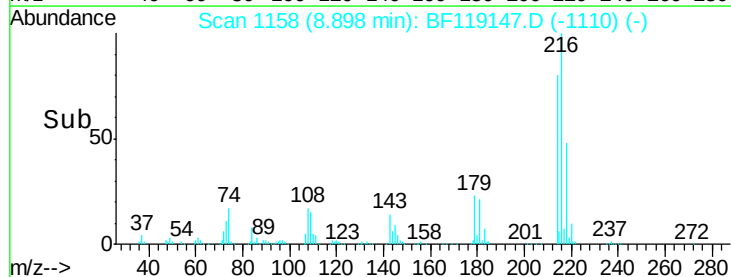
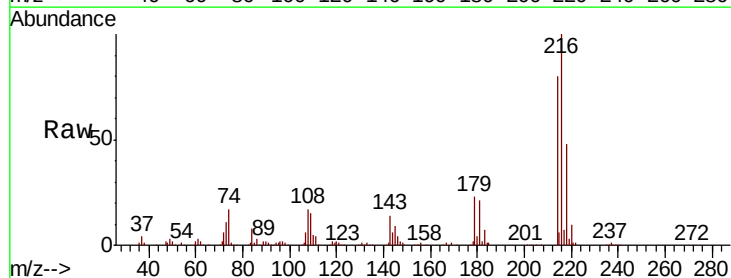
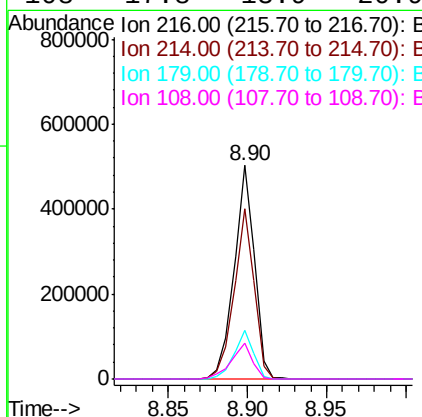
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620MSD

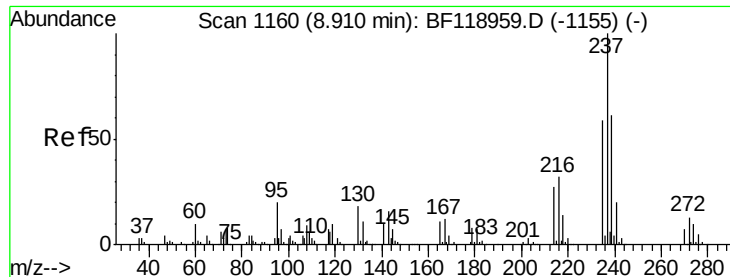
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.8	122.8
160	45.2	36.0	54.0



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 43.974 ng
 RT: 8.90 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.3	94.9
179	22.0	17.7	26.5
108	17.8	13.9	20.9

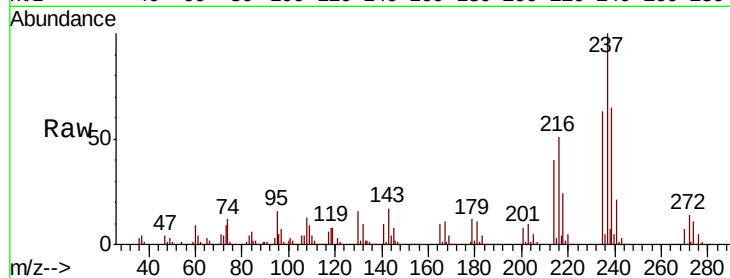




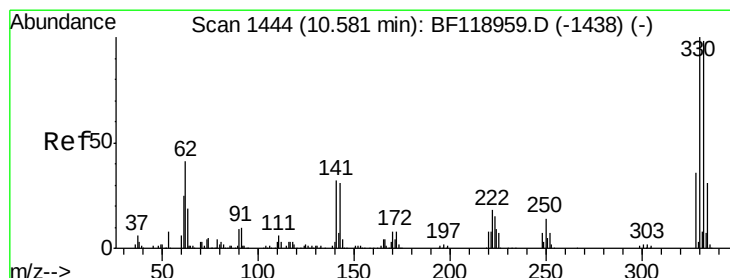
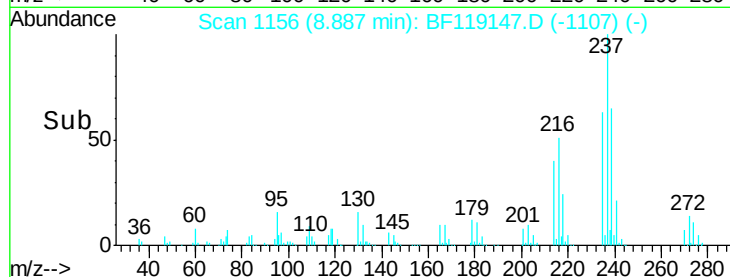
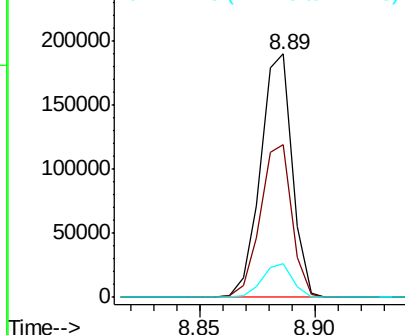
#41
Hexachlorocyclopentadiene
Concen: 52.848 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion:237 Resp: 182144
Ion Ratio Lower Upper
237 100
235 62.7 42.3 82.3
272 13.9 0.0 33.5

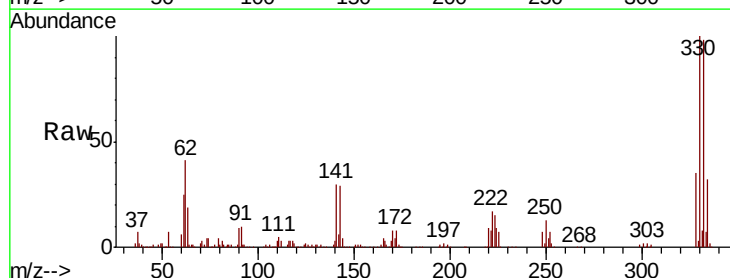


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

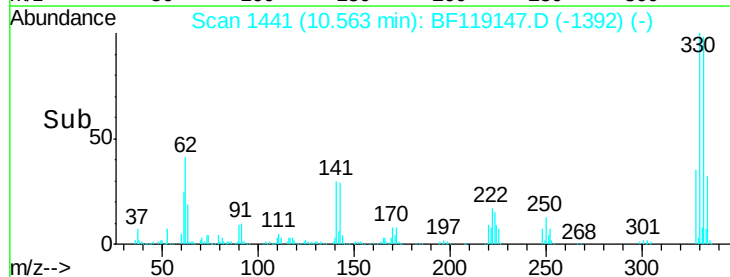
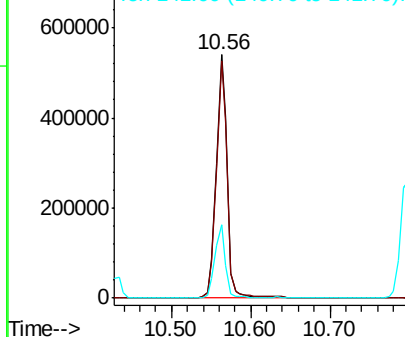


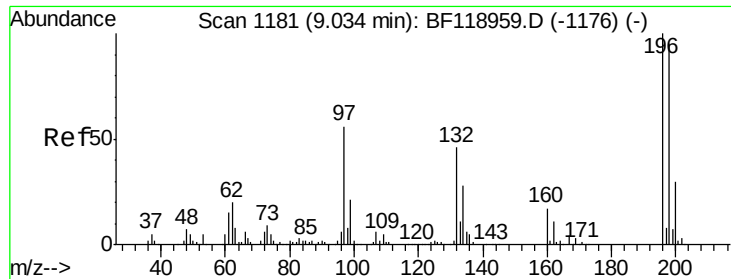
#42
2,4,6-Tribromophenol
Concen: 132.180 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion:330 Resp: 521232
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 29.1 22.9 34.3



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

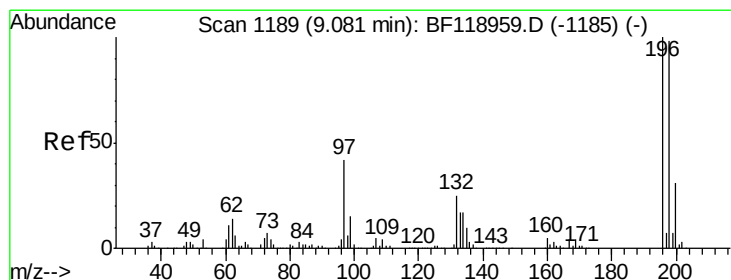
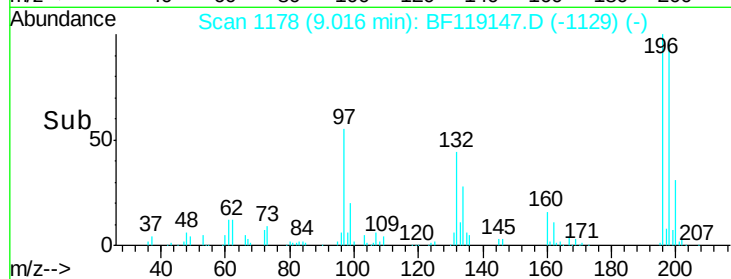
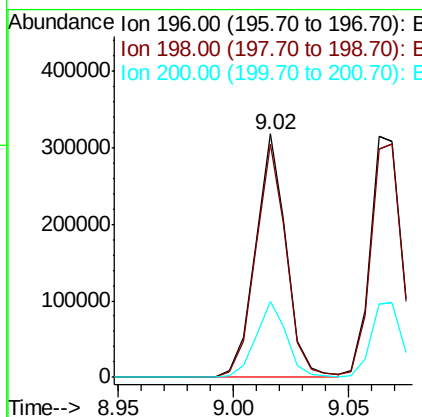
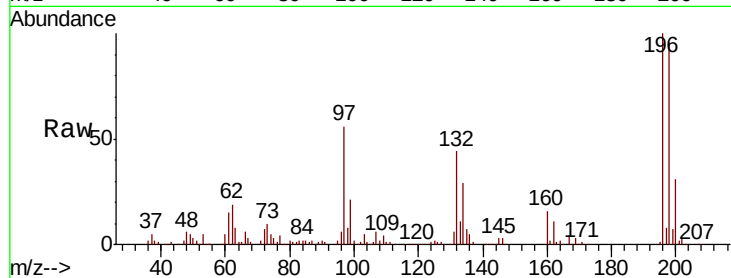




#43
 2,4,6-Trichlorophenol
 Concen: 45.880 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

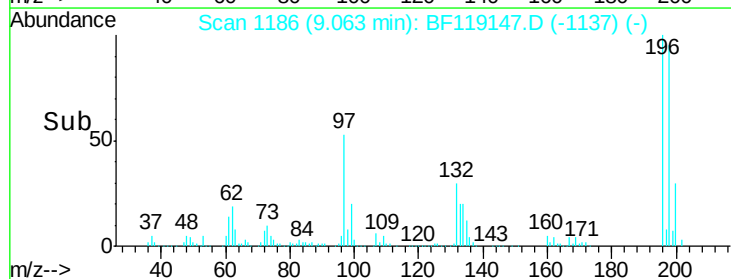
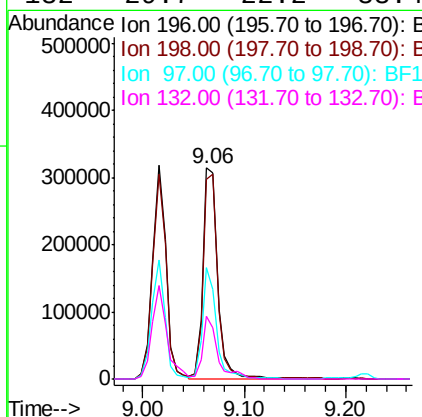
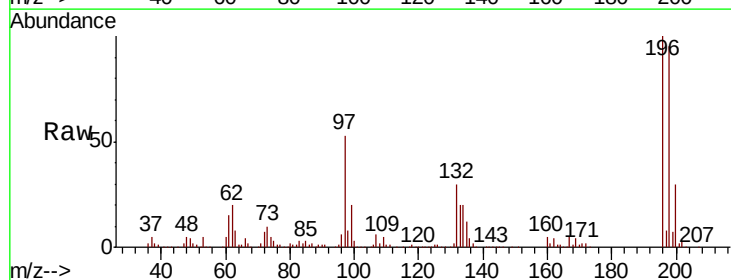
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620MSD

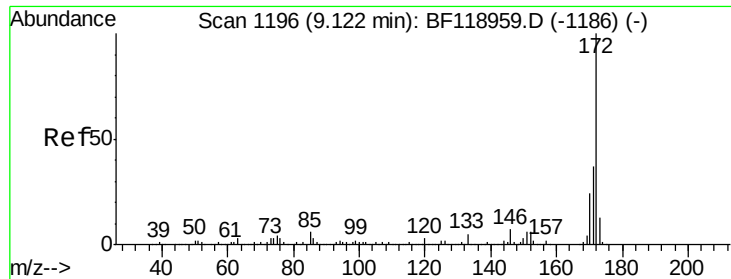
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.1	115.7
200	31.3	25.0	37.6



#44
 2,4,5-Trichlorophenol
 Concen: 46.996 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.8	115.2
97	53.1	38.5	57.7
132	29.7	22.2	33.4

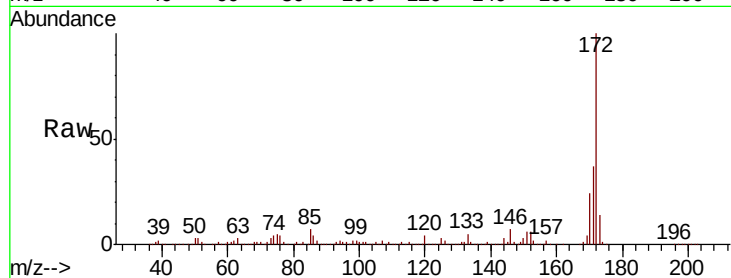




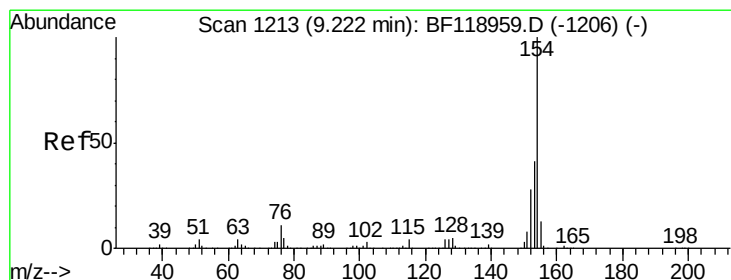
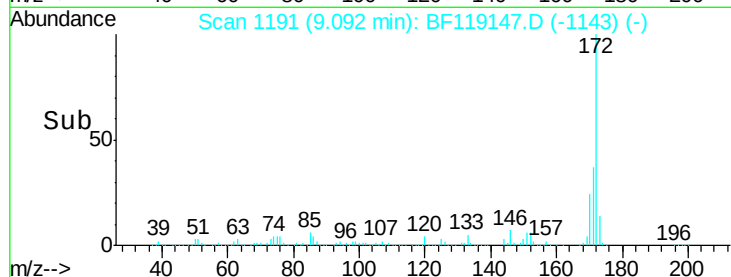
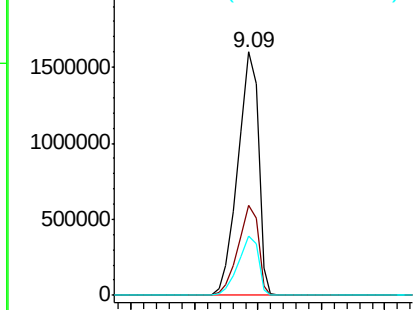
#45
2-Fluorobiphenyl
Concen: 87.339 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion:172 Resp: 1787134
Ion Ratio Lower Upper
172 100
171 37.2 30.6 45.8
170 24.3 20.2 30.2

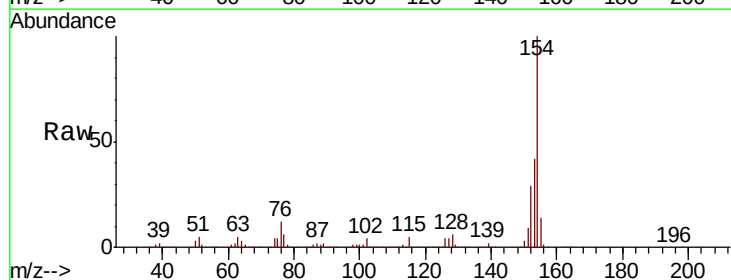


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

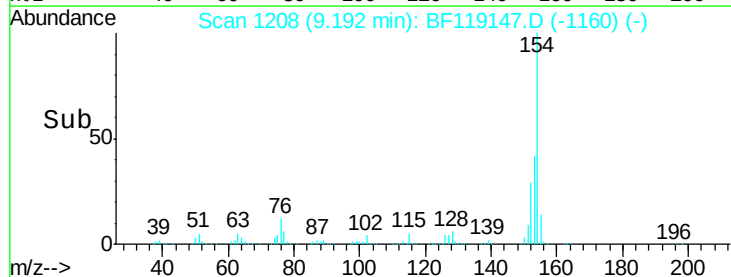
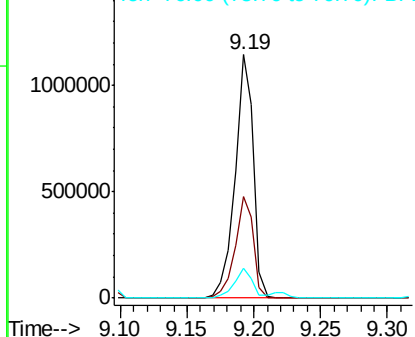


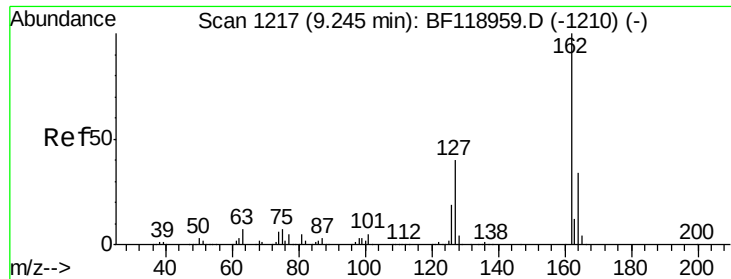
#46
1,1'-Biphenyl
Concen: 44.977 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion:154 Resp: 1095743
Ion Ratio Lower Upper
154 100
153 41.8 22.8 62.8
76 12.3 0.0 32.2



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

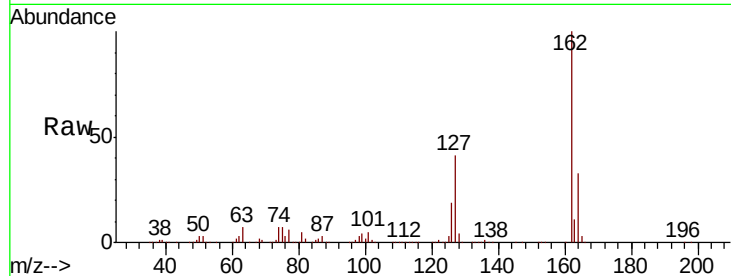




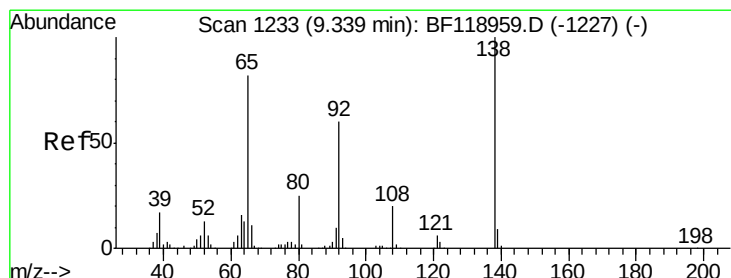
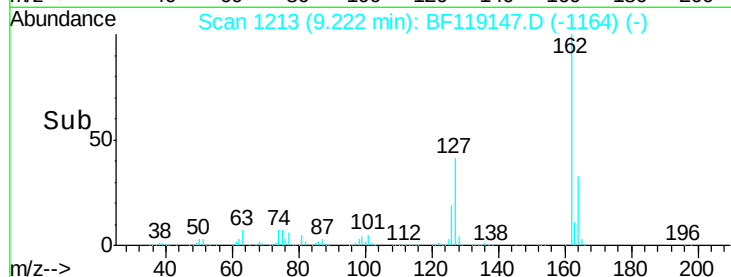
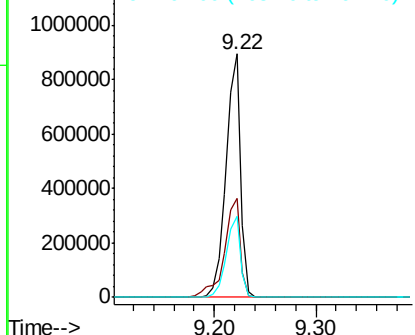
#47
2-Chloronaphthalene
Concen: 45.011 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion:162 Resp: 883678
Ion Ratio Lower Upper
162 100
127 40.7 35.0 52.4
164 33.4 27.2 40.8

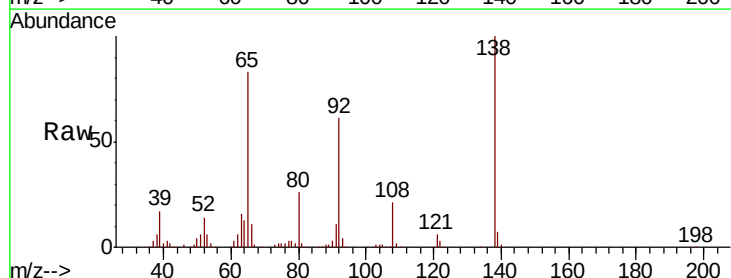


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

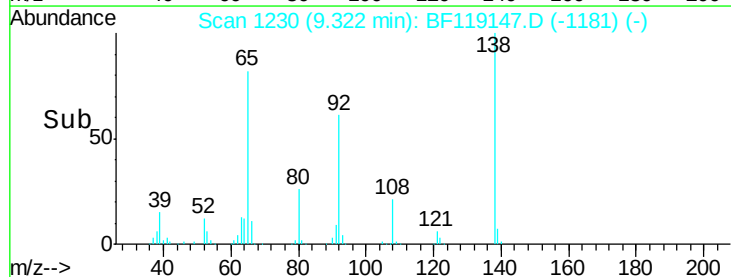
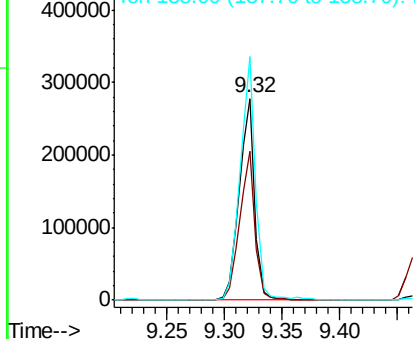


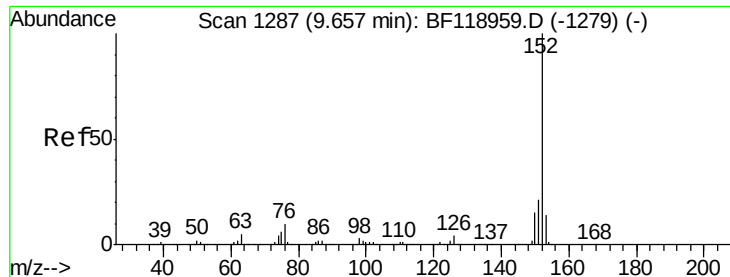
#48
2-Nitroaniline
Concen: 47.370 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion: 65 Resp: 259389
Ion Ratio Lower Upper
65 100
92 74.1 58.2 87.2
138 120.6 95.6 143.4



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: 47.865 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

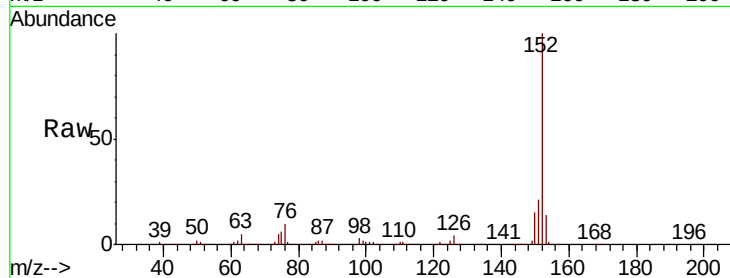
Tot Ion:152 Resp: 1357225

Ion Ratio Lower Upper

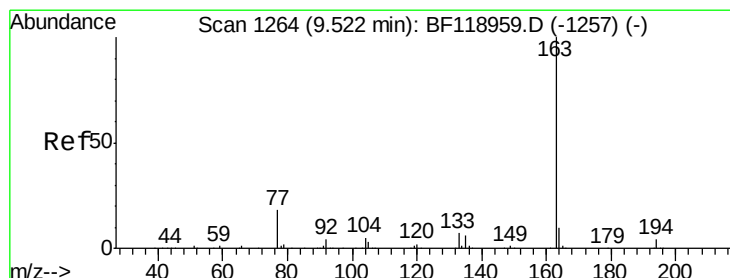
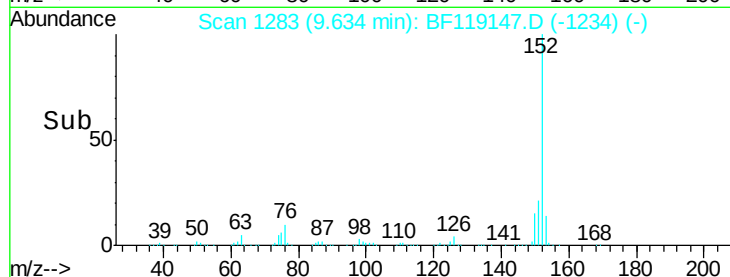
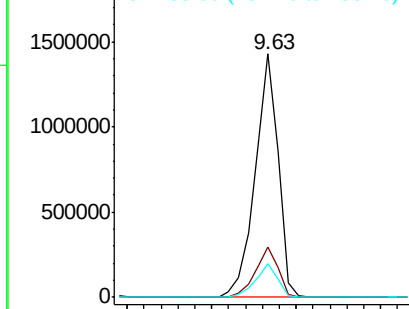
152 100

151 20.9 16.9 25.3

153 13.6 11.0 16.6



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: 46.375 ng

RT: 9.50 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

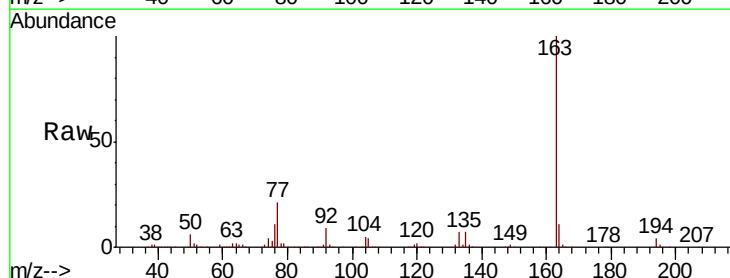
Tgt Ion:163 Resp: 1068970

Ion Ratio Lower Upper

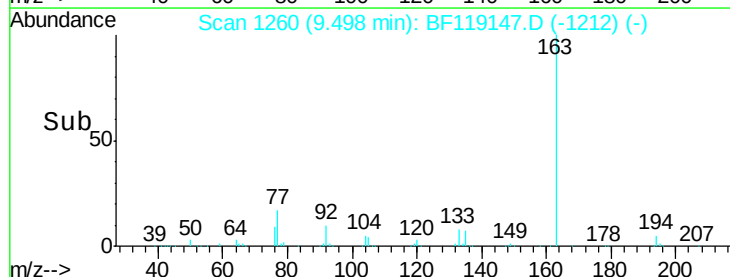
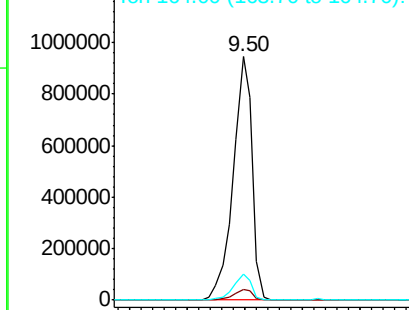
163 100

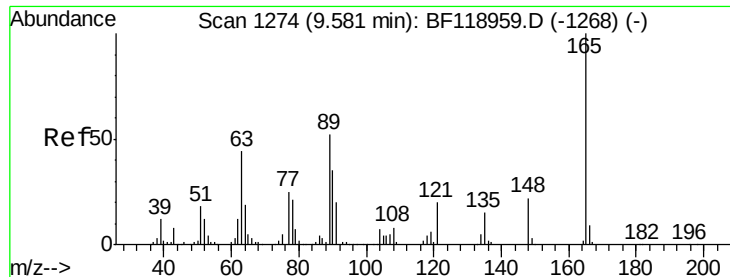
194 4.2 3.5 5.3

164 10.5 8.4 12.6



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

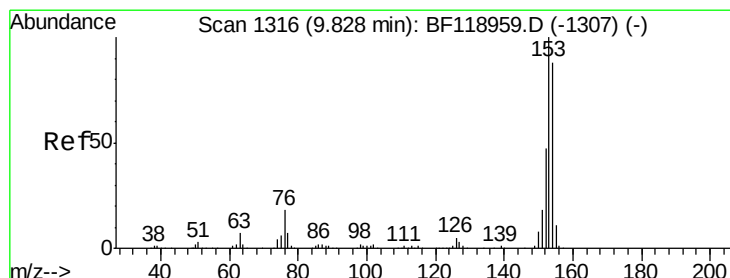
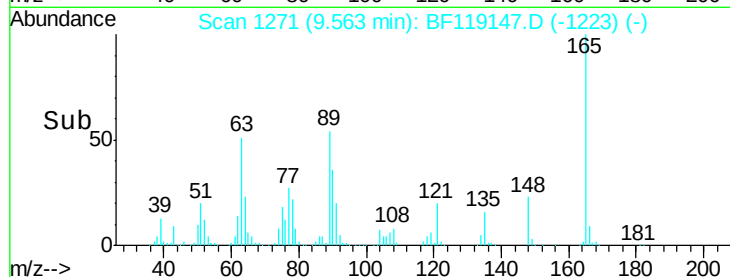
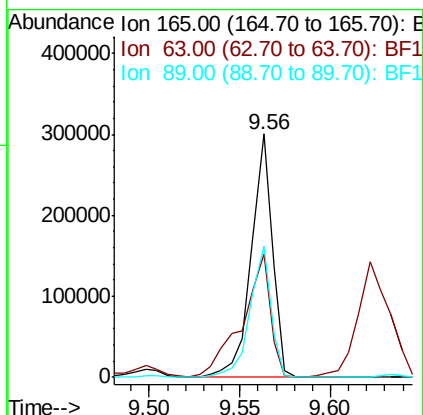
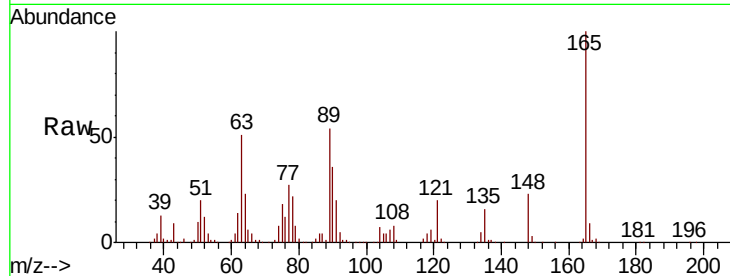




#51
 2,6-Dinitrotoluene
 Concen: 47.657 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

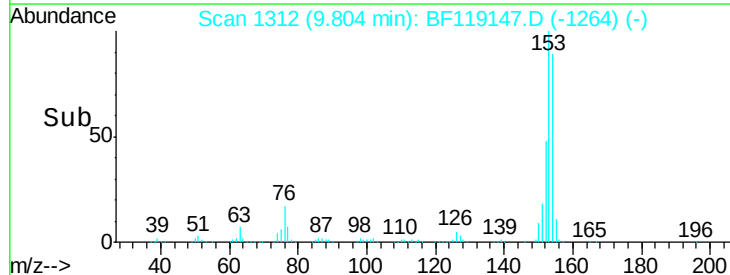
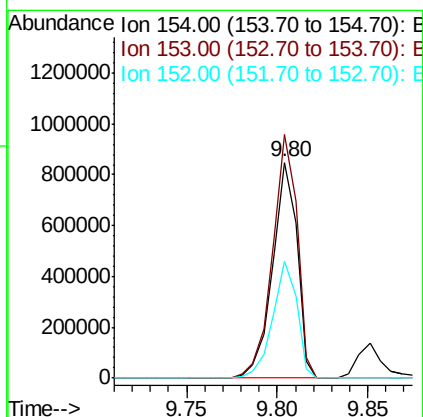
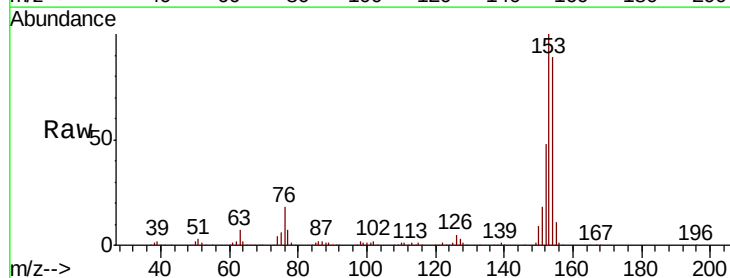
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620MSD

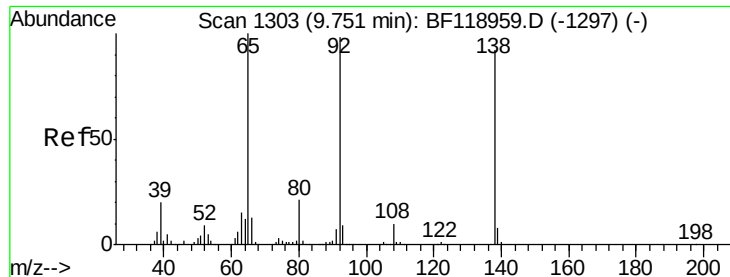
Tot Ion	Ratio	Lower	Upper
165	100		
63	50.9	34.3	51.5
89	53.9	38.3	57.5



#52
 Acenaphthene
 Concen: 46.802 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.3	135.5
152	54.4	43.8	65.8

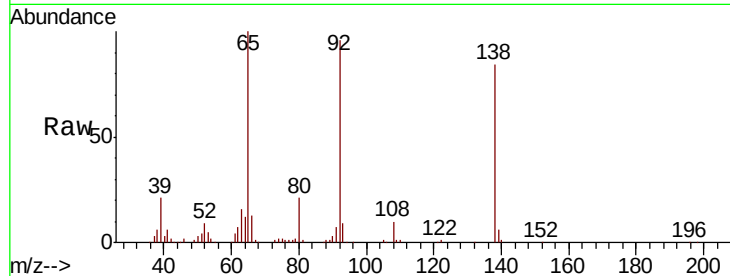




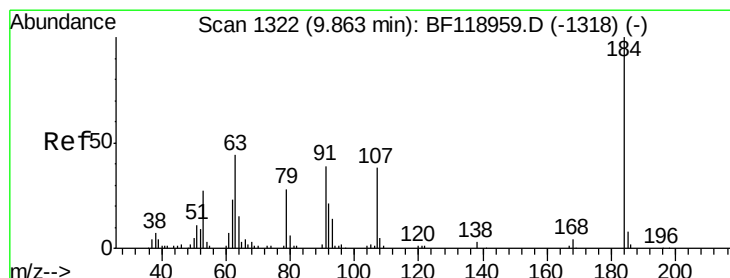
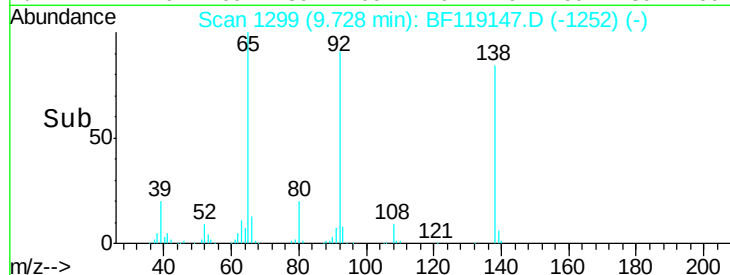
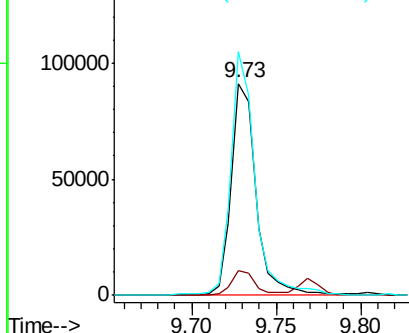
#53
3-Nitroaniline
Concen: 16.431 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion:138 Resp: 93287
Ion Ratio Lower Upper
138 100
108 11.6 8.8 13.2
92 114.7 84.8 127.2

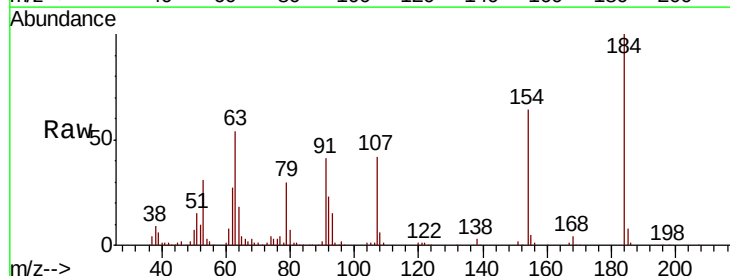


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

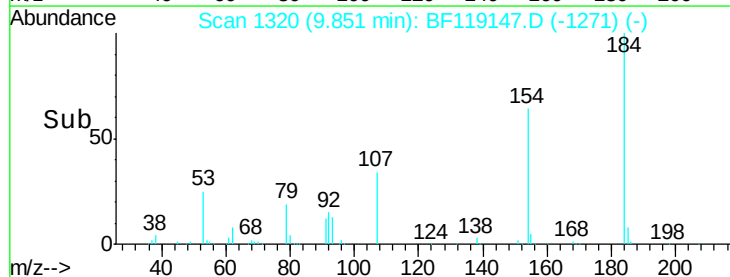
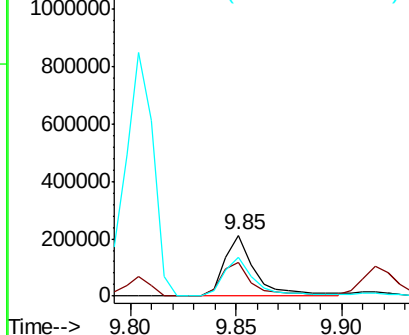


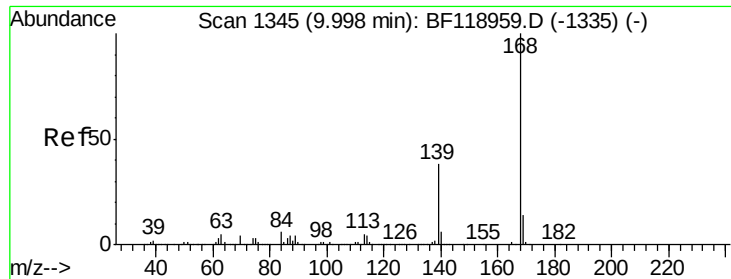
#54
2,4-Dinitrophenol
Concen: 86.492 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion:184 Resp: 216945
Ion Ratio Lower Upper
184 100
63 54.3 38.7 58.1
154 63.6 49.7 74.5



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

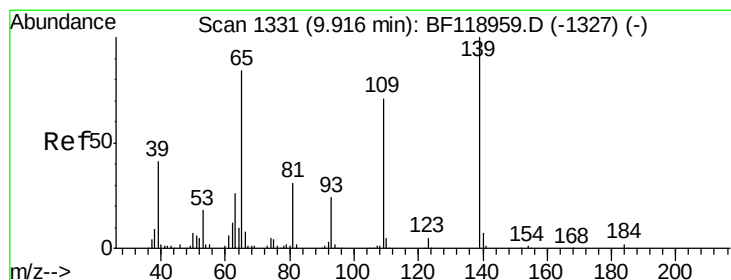
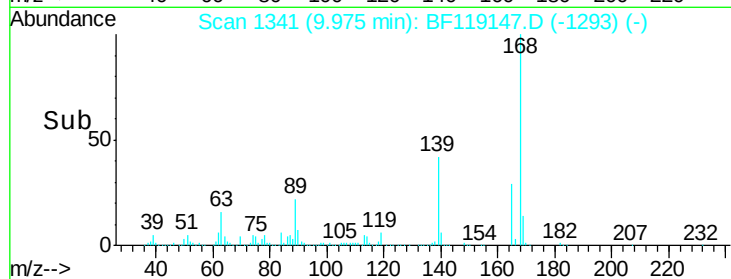
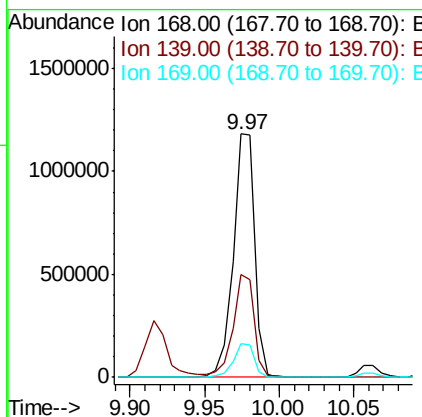
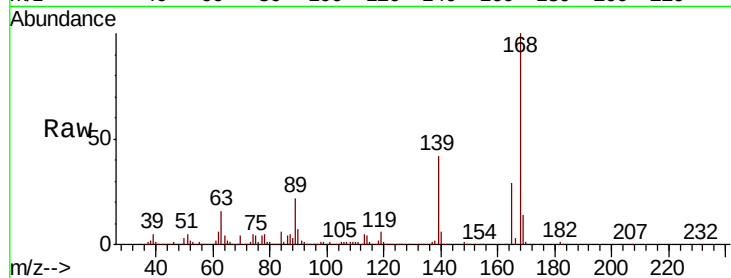




#55
Dibenzofuran
Concen: 46.711 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

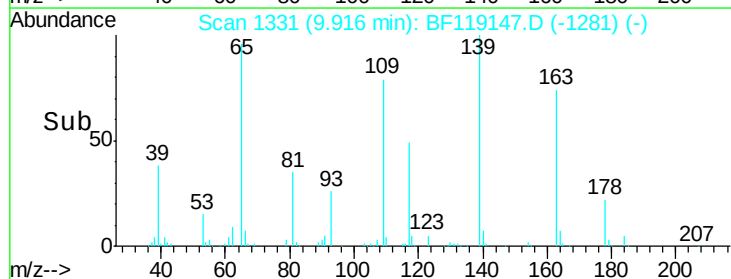
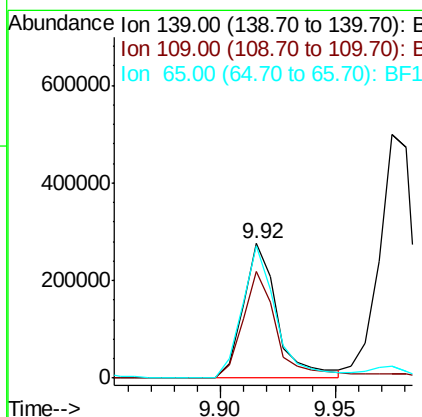
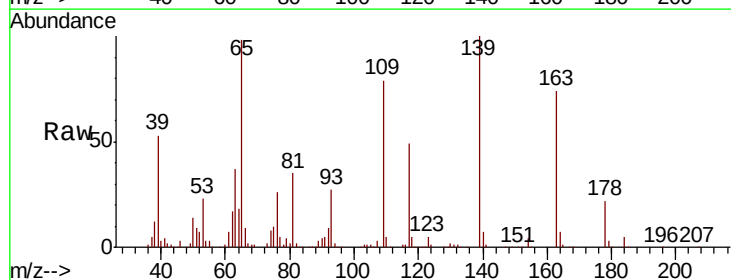
Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

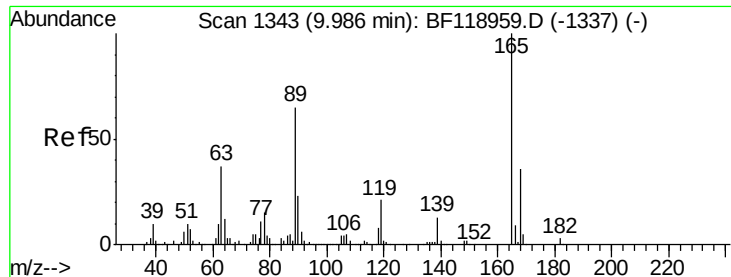
Tot Ion:168 Resp: 1192063
Ion Ratio Lower Upper
168 100
139 42.2 34.0 51.0
169 14.0 11.0 16.4



#56
4-Nitrophenol
Concen: 84.295 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion:139 Resp: 287538
Ion Ratio Lower Upper
139 100
109 79.2 56.7 96.7
65 98.2 65.0 105.0





#57

2,4-Dinitrotoluene

Concen: 47.545 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

Tot Ion:165 Resp: 315601

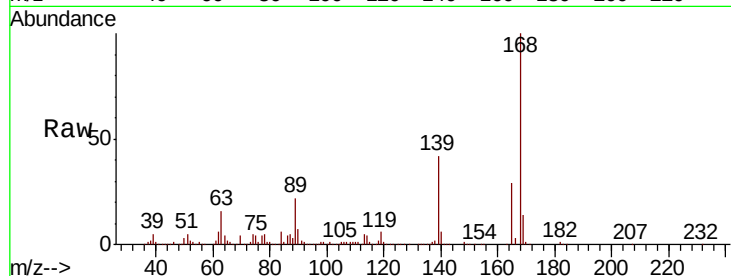
Ion Ratio Lower Upper

165 100

63 54.9 42.3 63.5

89 74.8 60.2 90.4

182 3.2 2.3 3.5

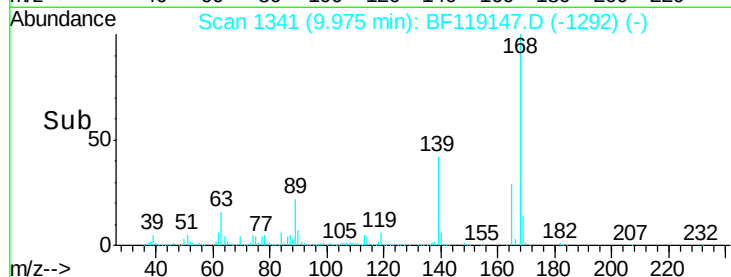


Abundance Ion 165.00 (164.70 to 165.70): E

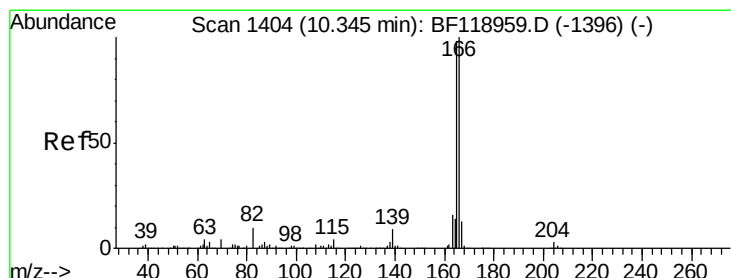
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#58

Fluorene

Concen: 48.862 ng

RT: 10.32 min Scan# 1400

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

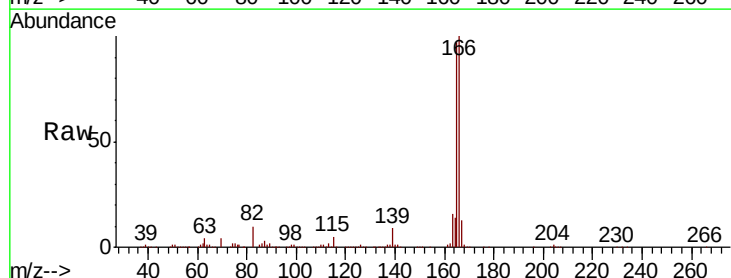
Tgt Ion:166 Resp: 968963

Ion Ratio Lower Upper

166 100

165 96.9 78.5 117.7

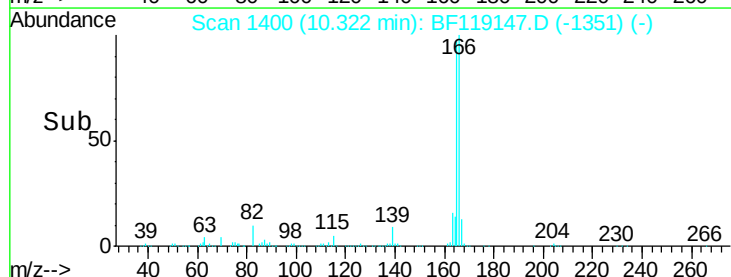
167 13.2 11.0 16.4



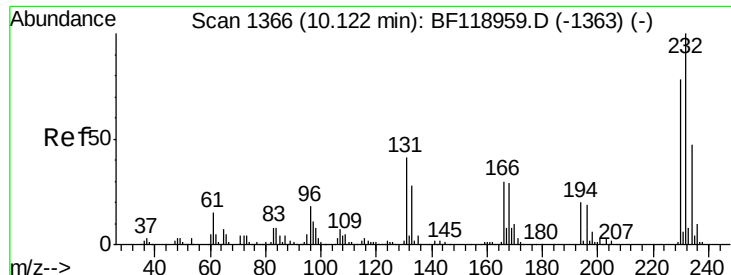
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



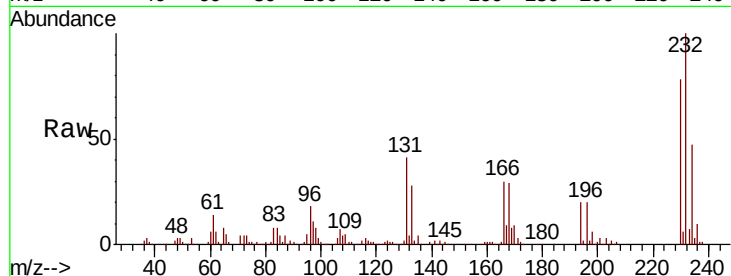
Time-->



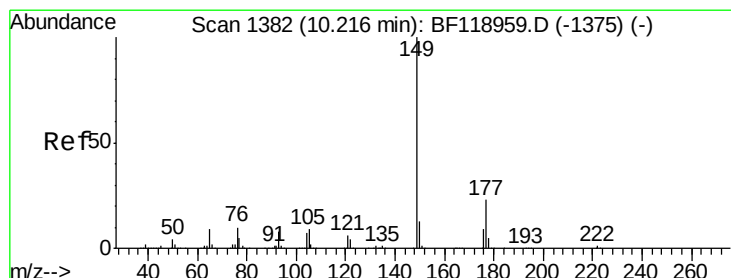
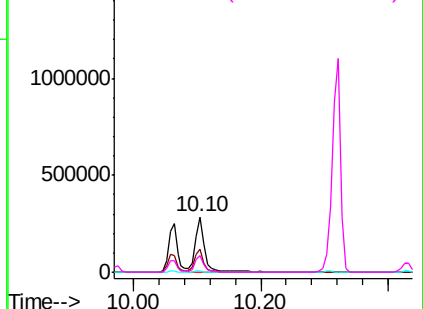
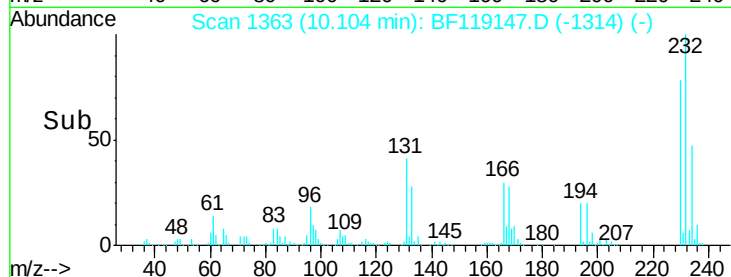
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.374 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	39.0	33.8	50.8
130	2.4	1.8	2.6
166	27.9	23.0	34.4

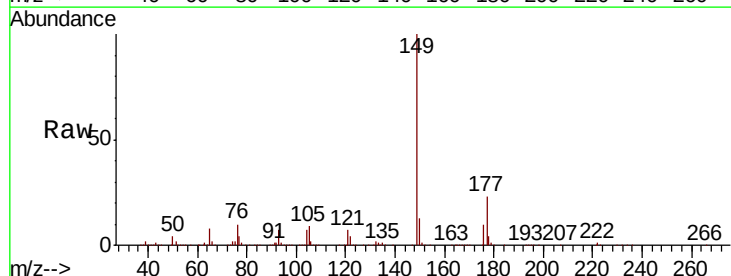


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

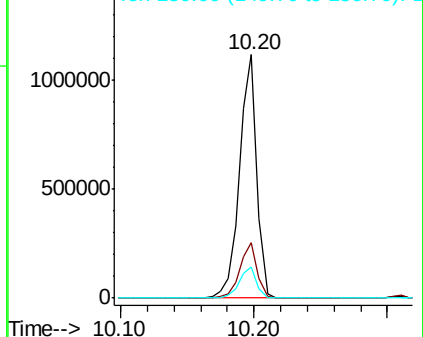
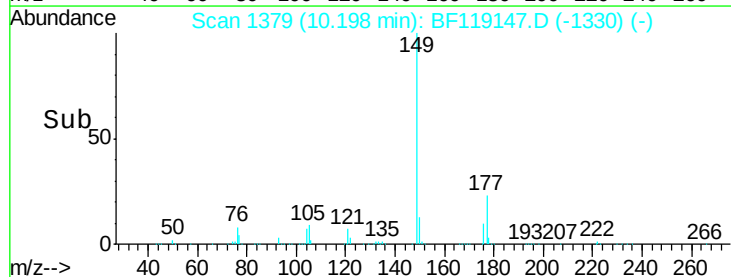


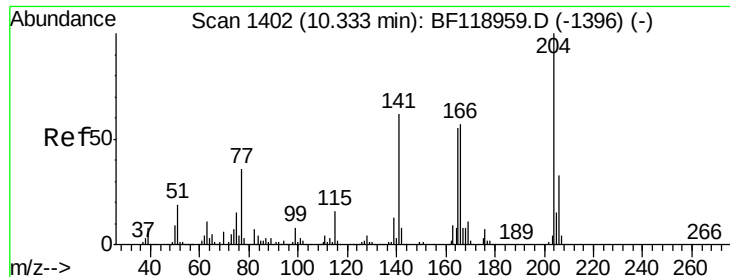
#60
Diethylphthalate
Concen: 46.278 ng
RT: 10.20 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.8	10.5	15.7



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

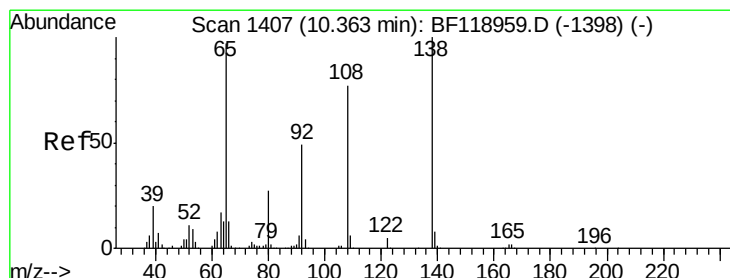
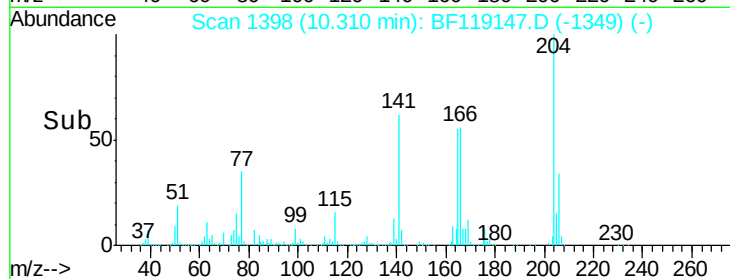
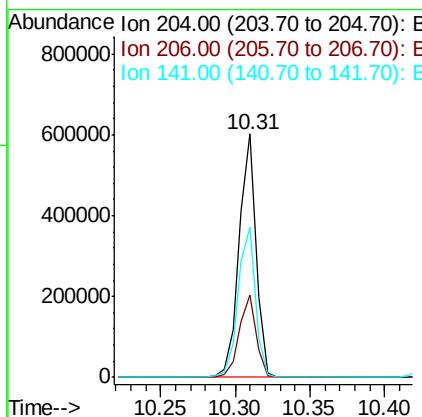
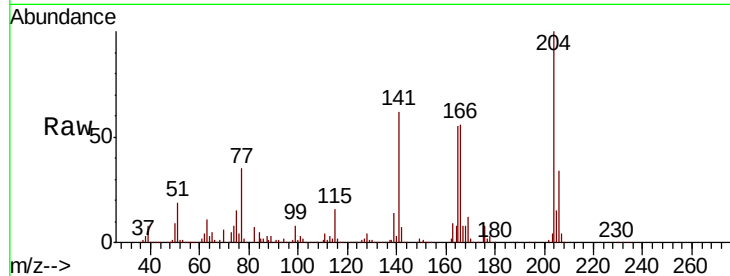




#61
 4-Chlorophenyl-phenylether
 Concen: 46.029 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

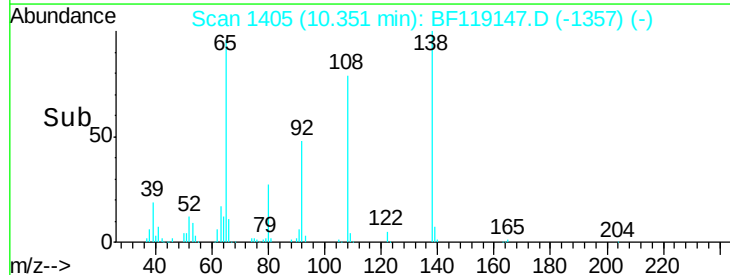
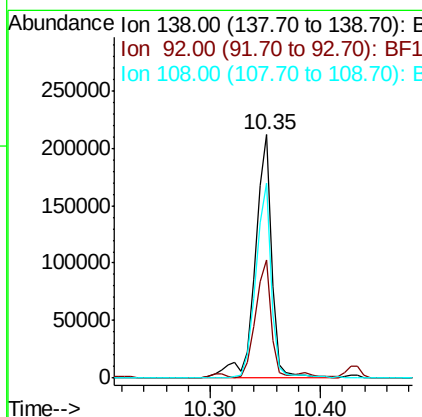
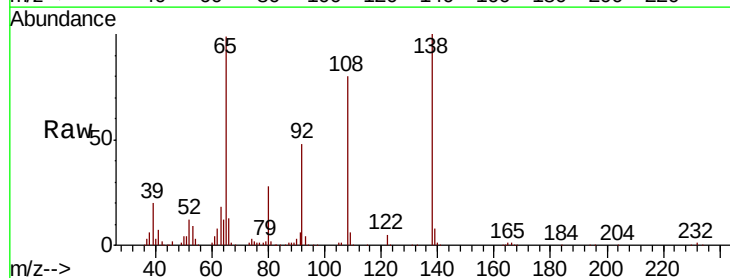
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620MSD

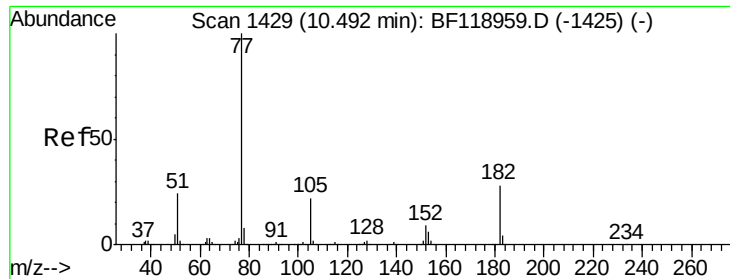
Tot Ion:	204	Resp:	483152
Ion	Ratio	Lower	Upper
204	100		
206	33.8	27.1	40.7
141	61.9	52.9	79.3



#62
 4-Nitroaniline
 Concen: 38.816 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF119147.D
 Acq: 28 Feb 2020 23:18

Tgt Ion:	138	Resp:	225469
Ion	Ratio	Lower	Upper
138	100		
92	48.4	27.3	67.3
108	80.3	57.0	97.0





#63

Azobenzene

Concen: 48.494 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

Tot Ion: 77 Resp: 915623

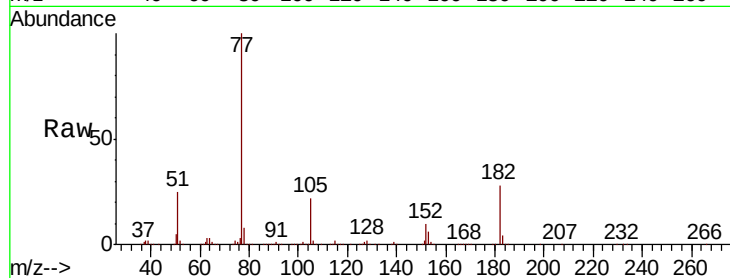
Ion Ratio Lower Upper

77 100

182 28.1 11.4 51.4

105 22.0 3.4 43.4

51 24.6 5.1 45.1

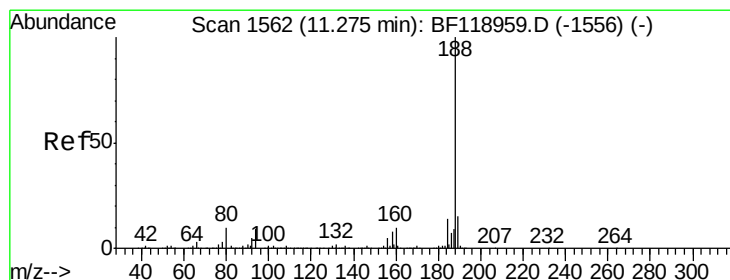
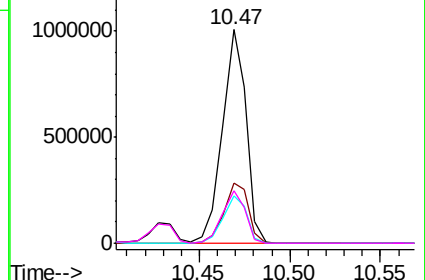
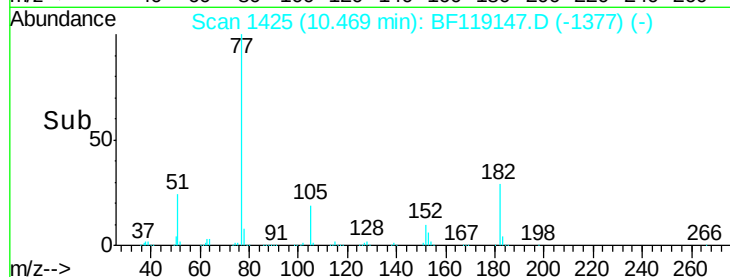


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

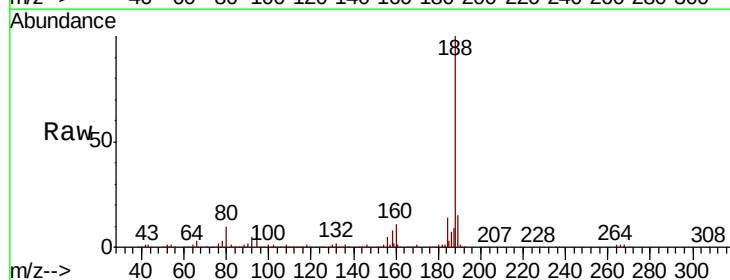
Tgt Ion: 188 Resp: 557548

Ion Ratio Lower Upper

188 100

94 8.8 7.1 10.7

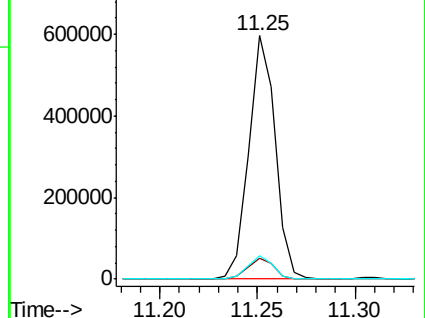
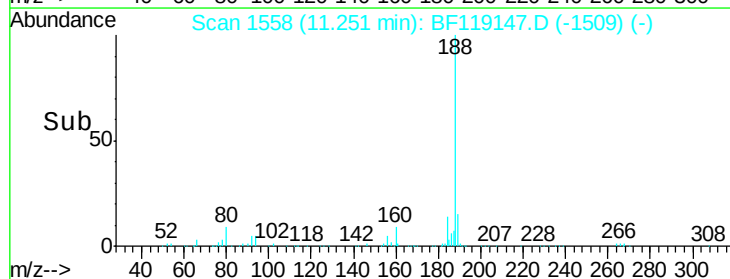
80 9.6 7.8 11.8

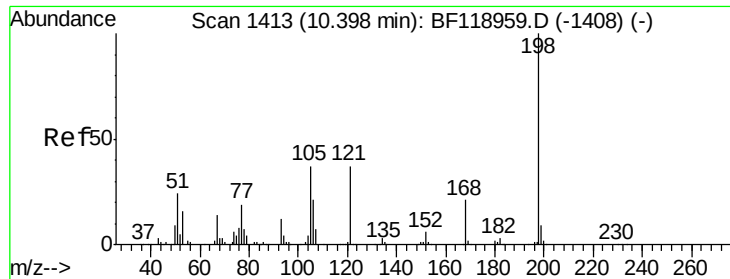


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 50.431 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

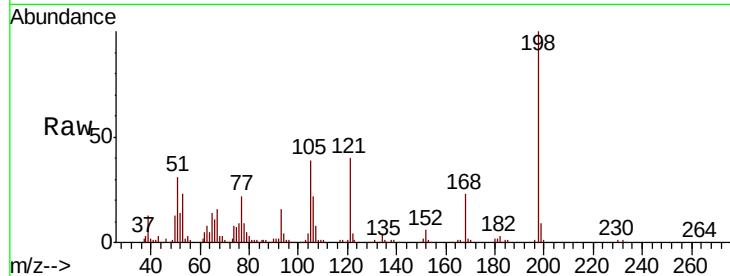
Tot Ion:198 Resp: 170143

Ion Ratio Lower Upper

198 100

51 31.1 14.2 54.2

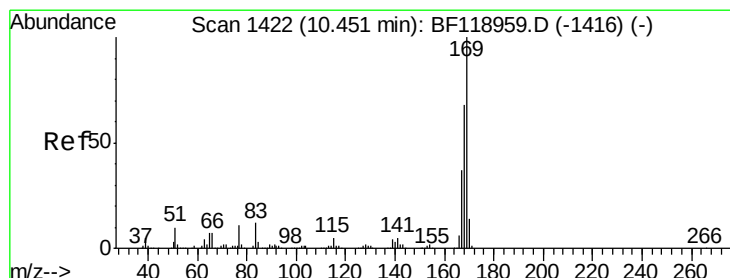
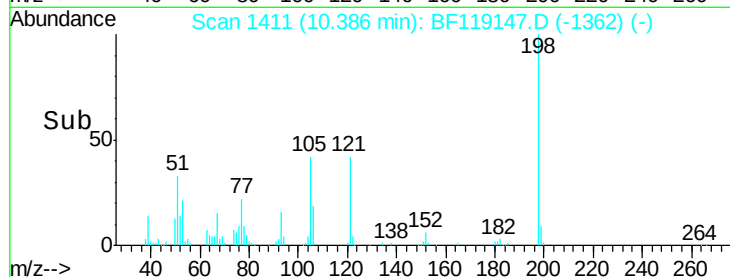
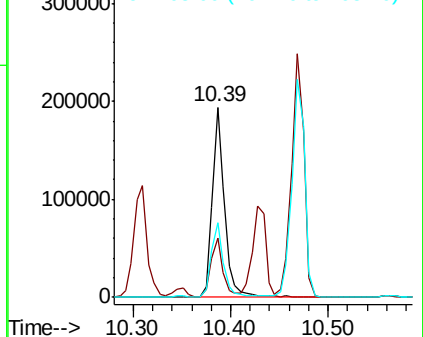
105 39.5 22.7 62.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 47.366 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

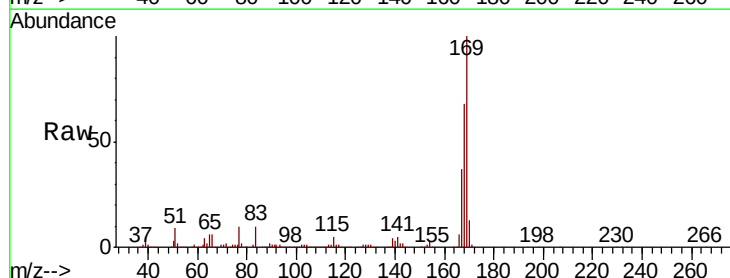
Tgt Ion:169 Resp: 864720

Ion Ratio Lower Upper

169 100

168 68.4 54.1 81.1

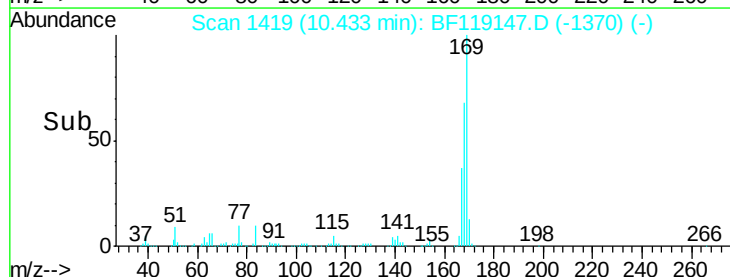
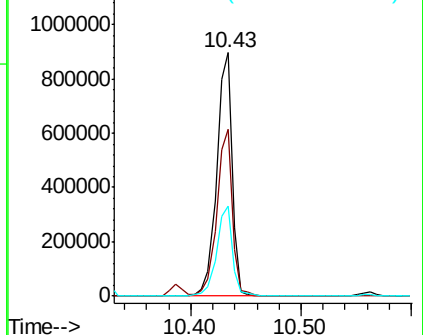
167 36.8 29.4 44.0

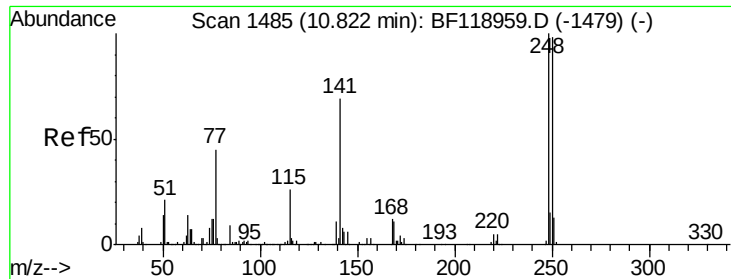


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

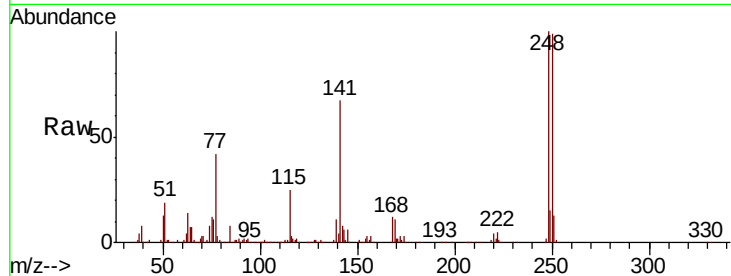




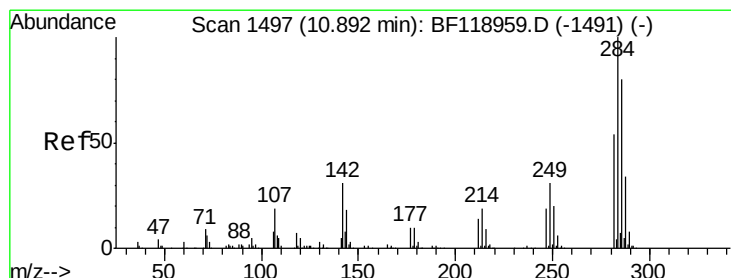
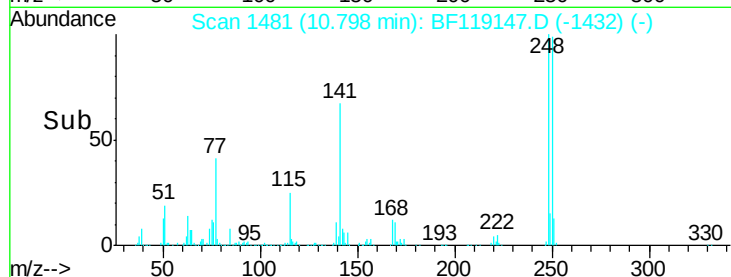
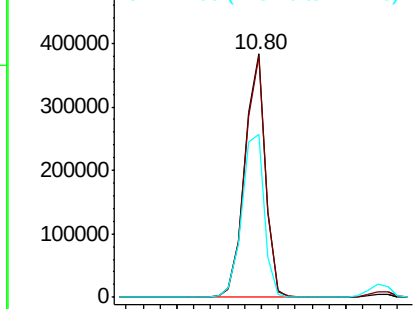
#67
4-Bromophenyl-phenylether
Concen: 45.006 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion:248 Resp: 327998
Ion Ratio Lower Upper
248 100
250 99.0 76.7 115.1
141 67.0 60.7 91.1

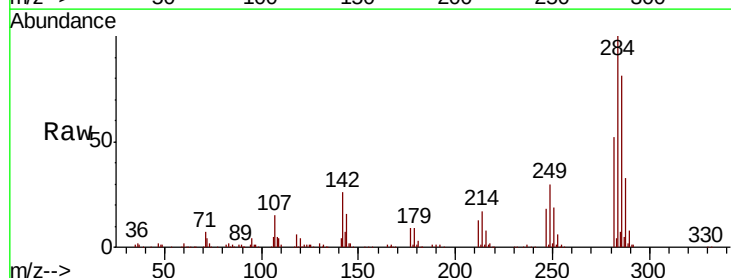


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

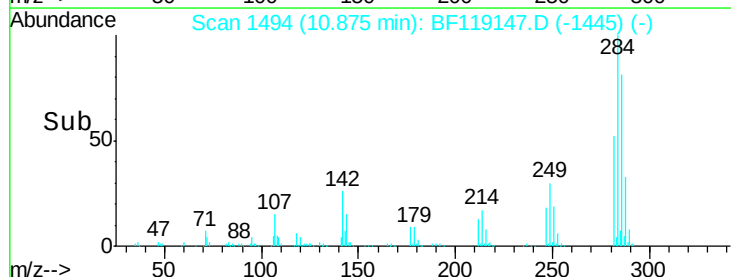
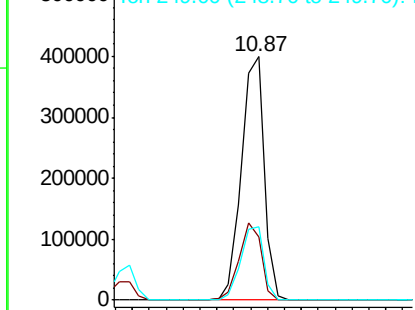


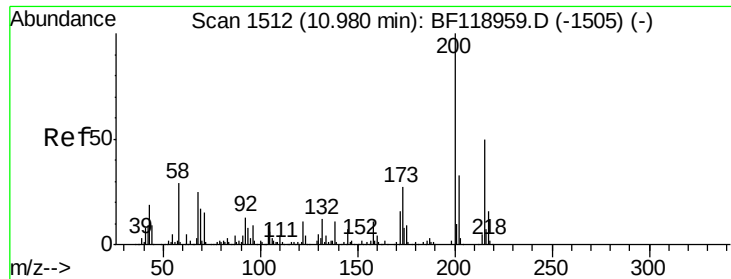
#68
Hexachlorobenzene
Concen: 44.736 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion:284 Resp: 375899
Ion Ratio Lower Upper
284 100
142 25.9 23.7 35.5
249 29.9 25.0 37.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

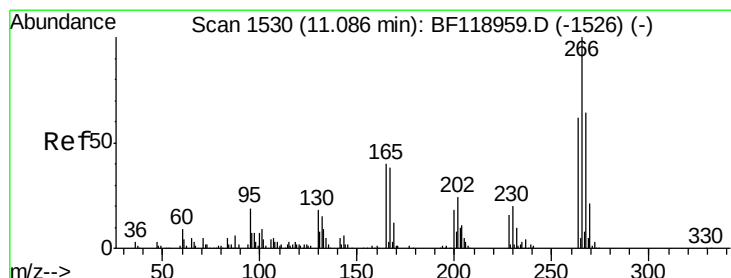
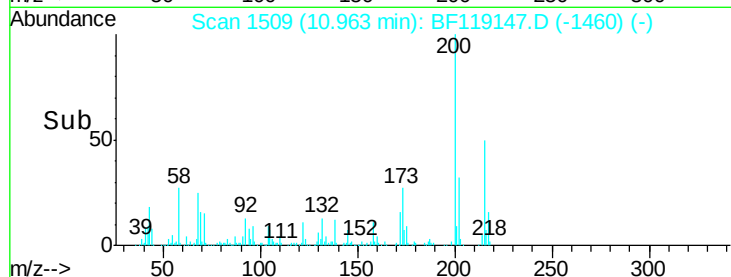
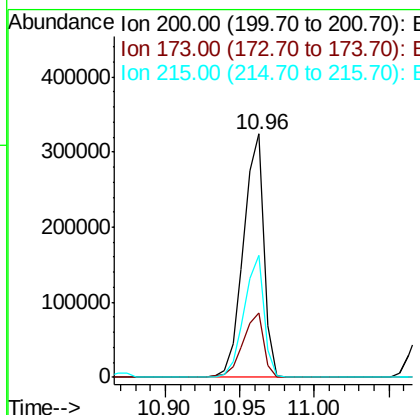
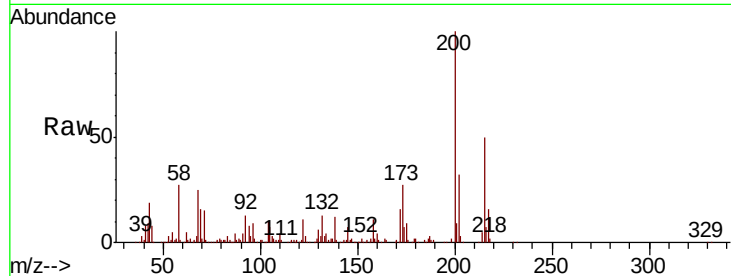




#69
Atrazine
Concen: 48.474 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

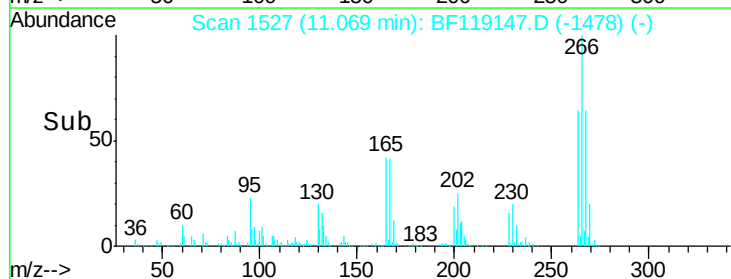
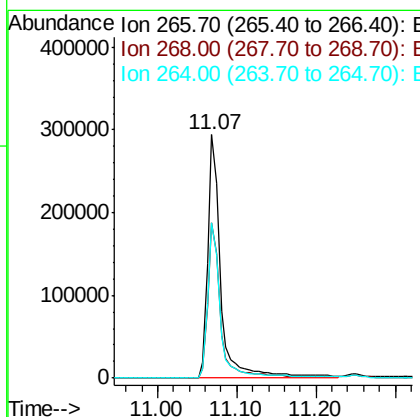
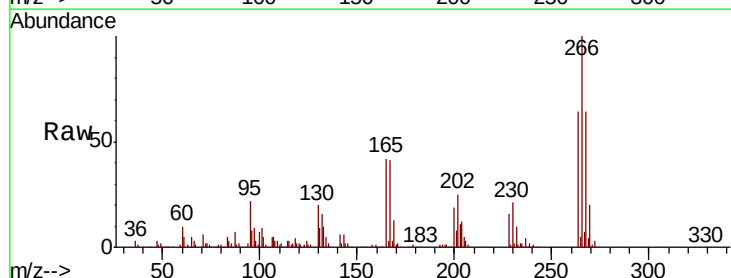
Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

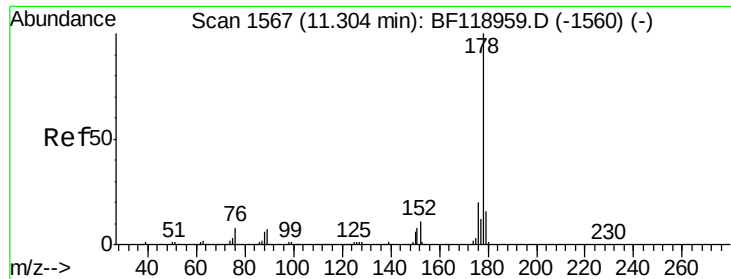
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.4	46.4
215	50.3	27.4	67.4



#70
Pentachlorophenol
Concen: 100.848 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.9	77.9
264	63.6	51.0	76.4

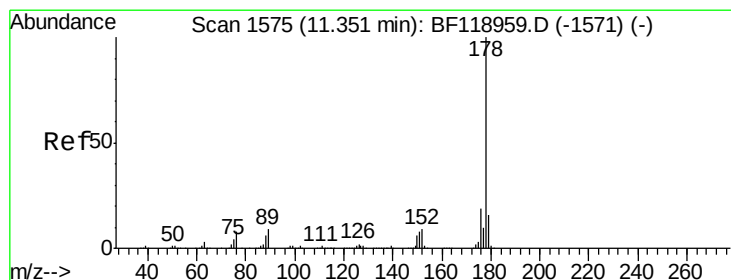
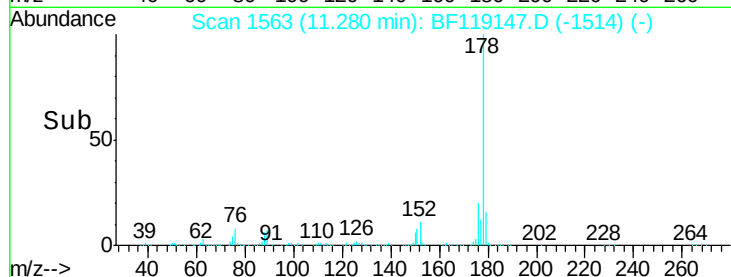
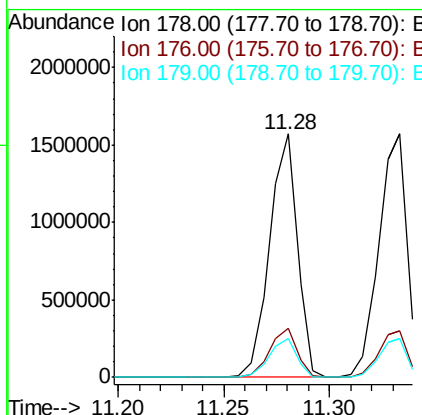
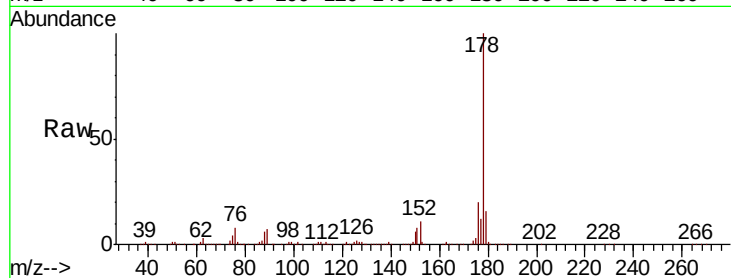




#71
Phenanthrene
Concen: 47.542 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

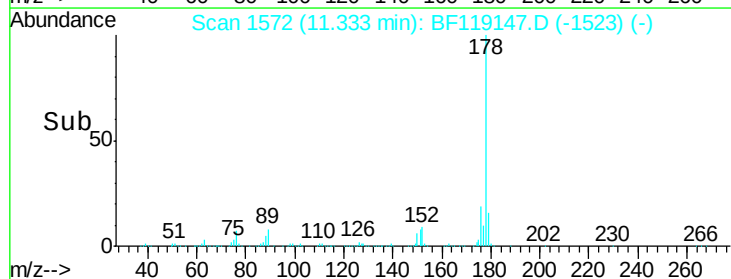
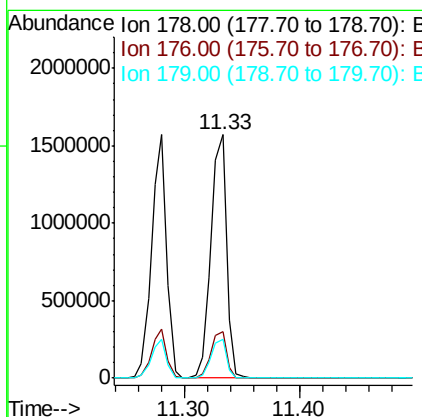
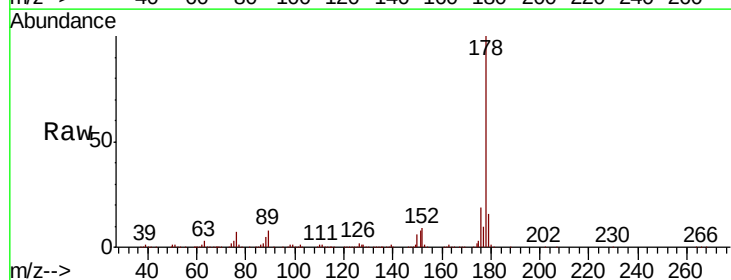
Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

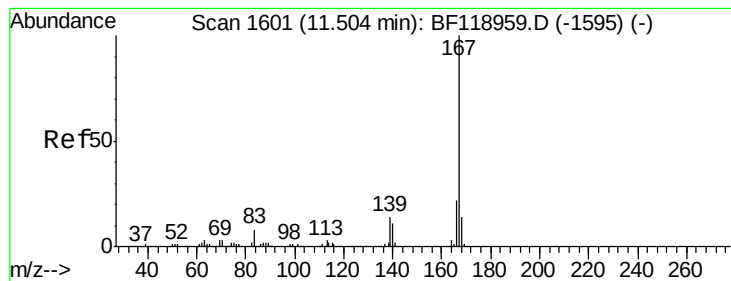
Tot Ion:178 Resp: 1445559
Ion Ratio Lower Upper
178 100
176 20.1 16.5 24.7
179 15.7 13.0 19.6



#72
Anthracene
Concen: 48.908 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion:178 Resp: 1485869
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.8 13.1 19.7





#73

Carbazole

Concen: 48.989 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

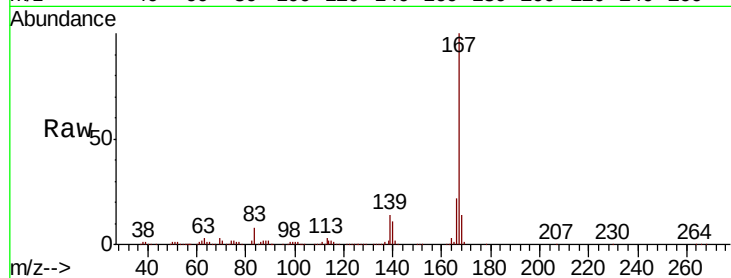
Tot Ion:167 Resp: 1325902

Ion Ratio Lower Upper

167 100

166 22.0 18.2 27.4

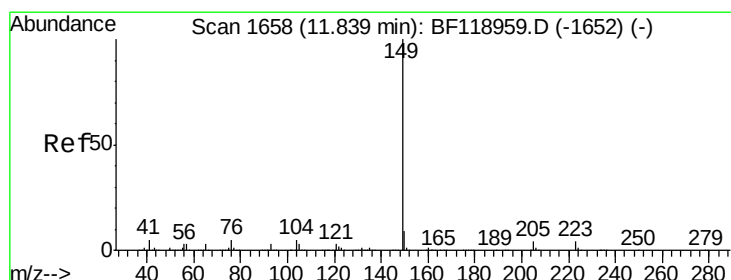
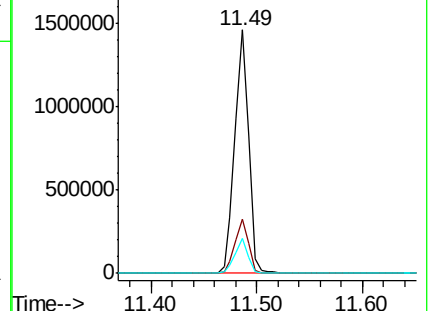
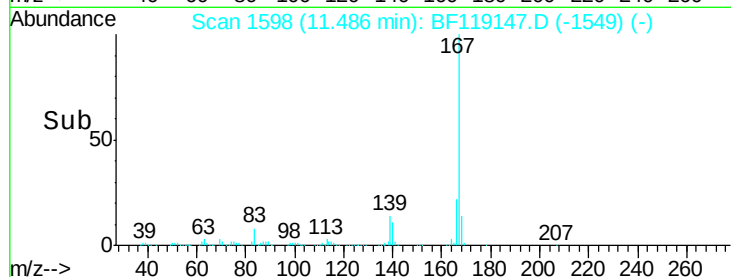
139 14.1 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

2000000 Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 46.199 ng

RT: 11.82 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

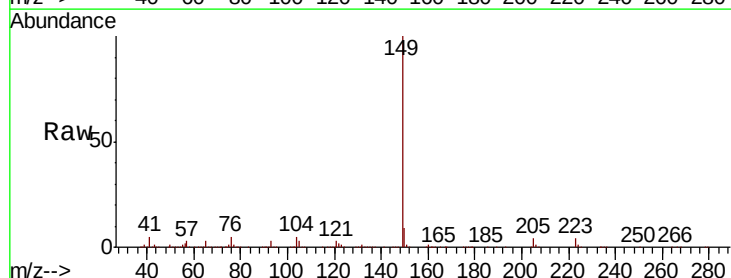
Tgt Ion:149 Resp: 1514231

Ion Ratio Lower Upper

149 100

150 9.4 7.9 11.9

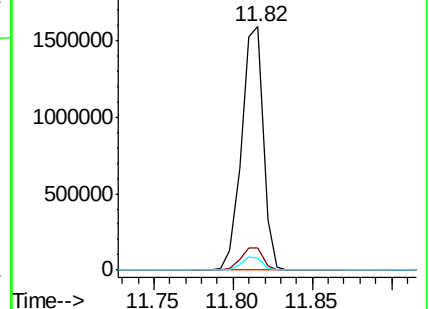
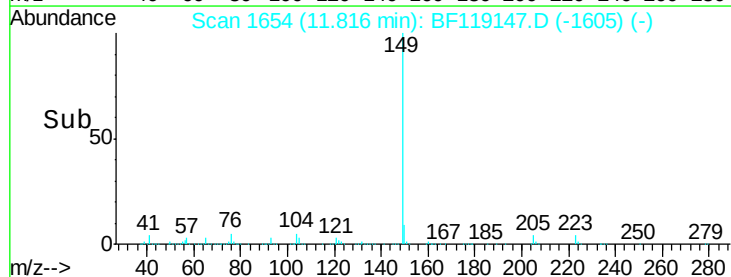
104 4.9 4.6 6.8

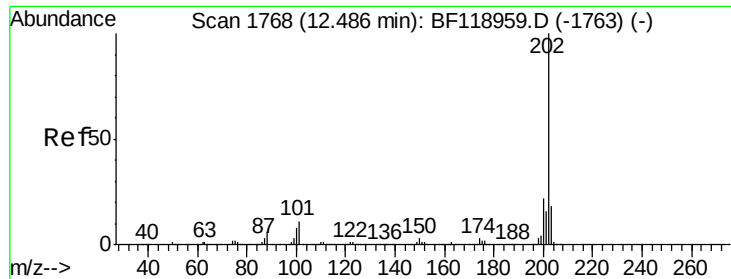


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 45.572 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

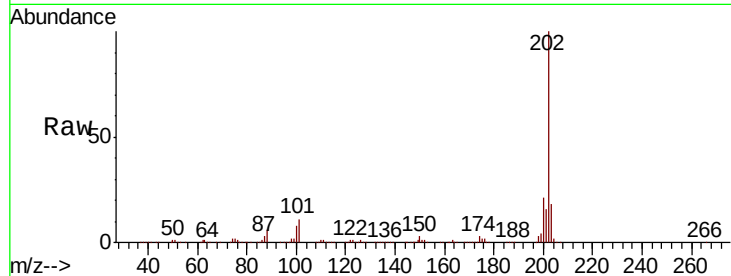
Tot Ion:202 Resp: 1470828

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.3

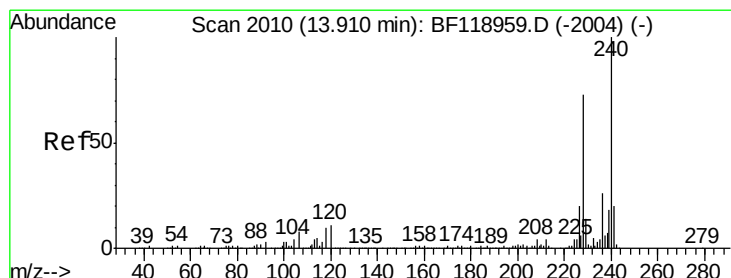
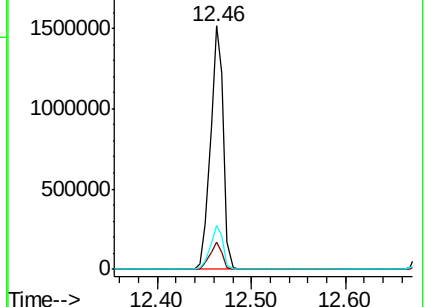
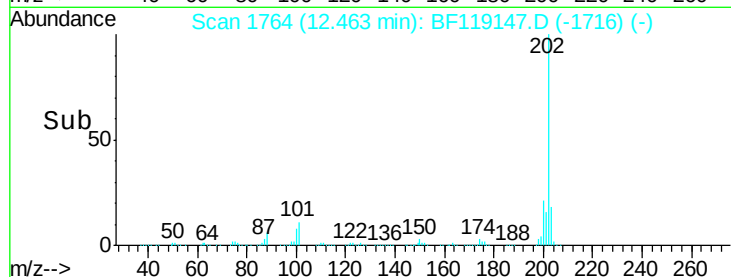
203 17.8 0.0 38.4



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: 13.89 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

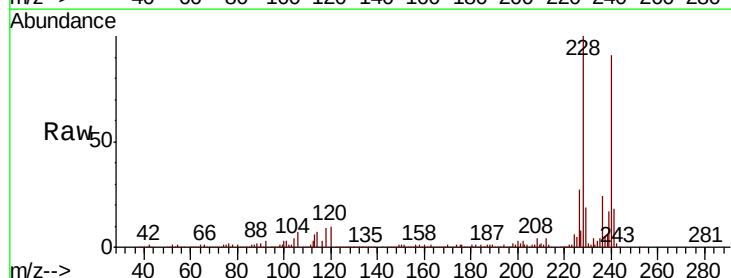
Tgt Ion:240 Resp: 336770

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

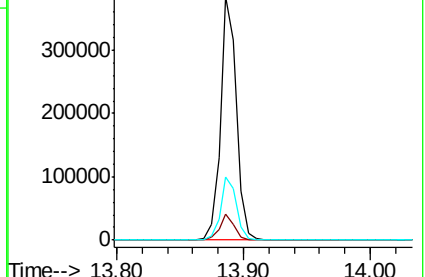
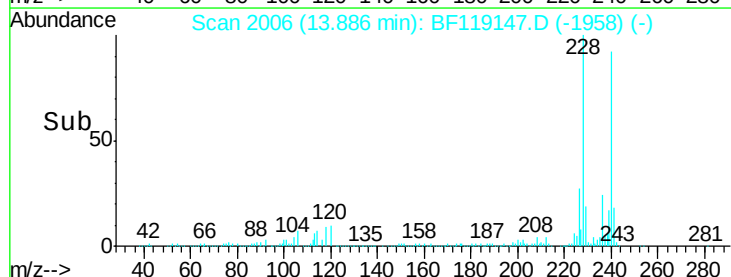
236 26.0 21.0 31.4

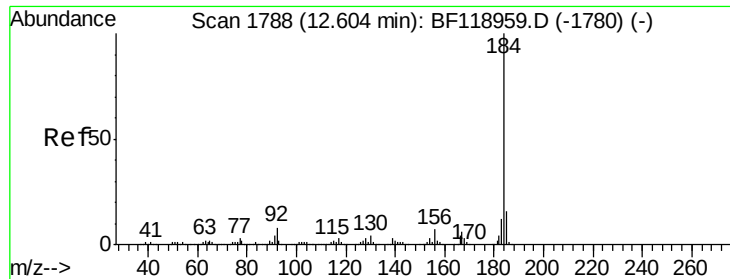


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.186 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

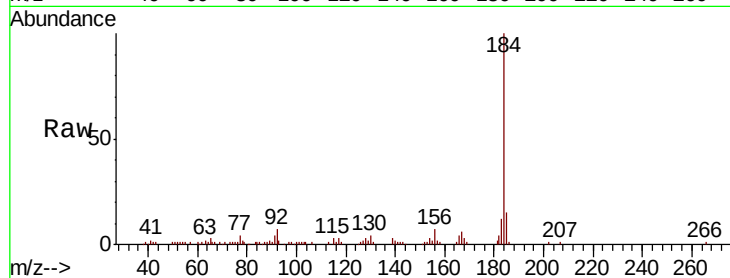
Tot Ion:184 Resp: 84727

Ion Ratio Lower Upper

184 100

185 14.6 12.2 18.4

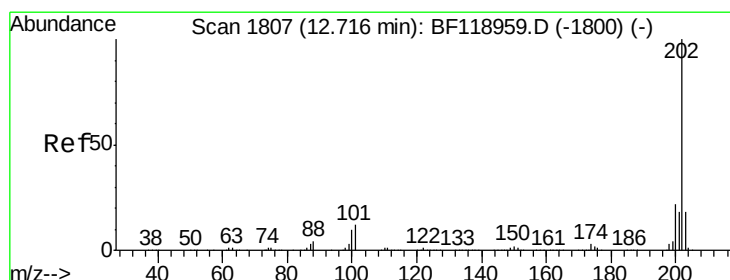
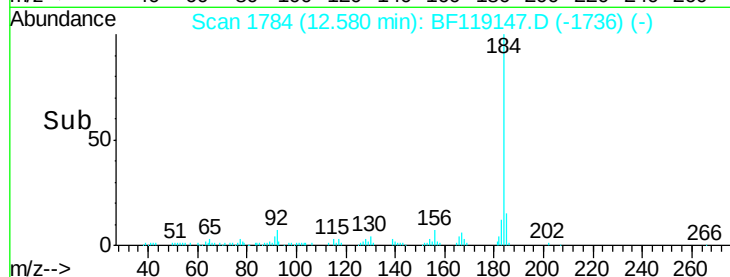
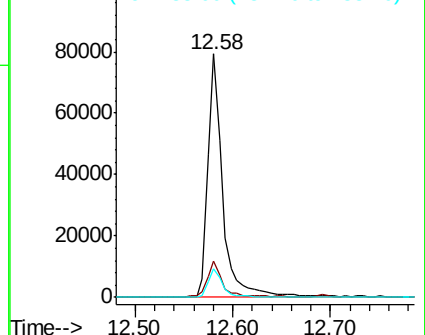
183 11.7 9.9 14.9



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: 52.761 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

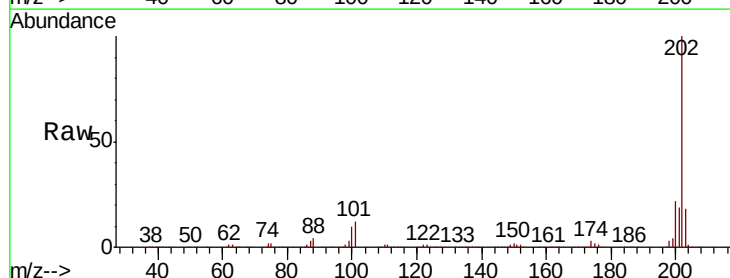
Tgt Ion:202 Resp: 1426774

Ion Ratio Lower Upper

202 100

200 22.1 18.0 27.0

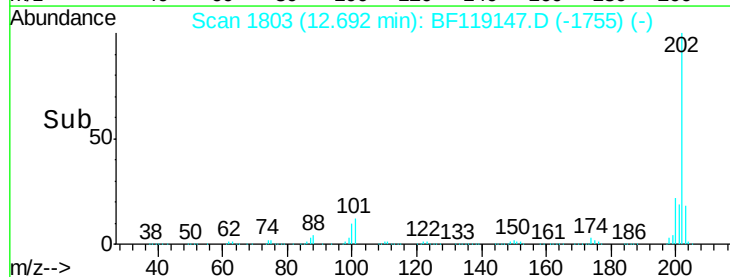
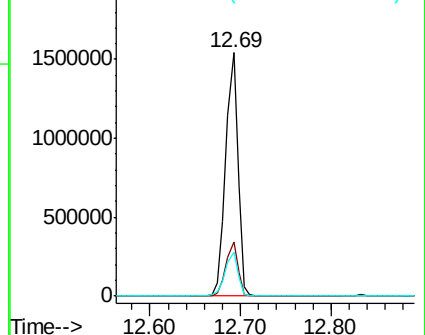
203 17.9 14.6 22.0

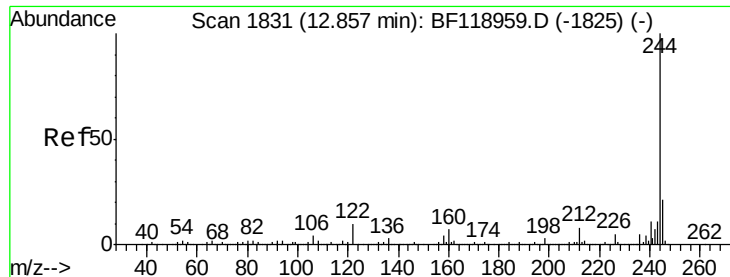


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 107.973 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

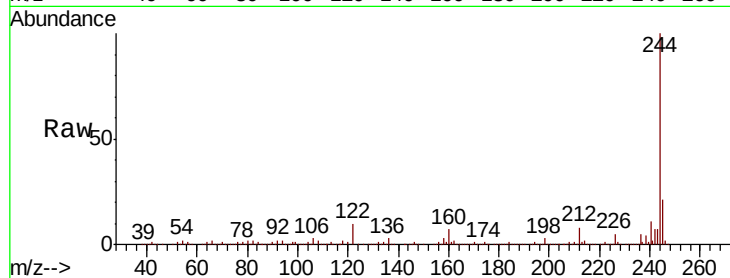
Tot Ion:244 Resp: 2112027

Ion Ratio Lower Upper

244 100

212 7.7 6.6 10.0

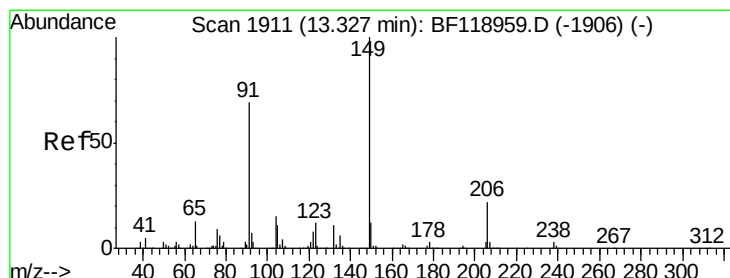
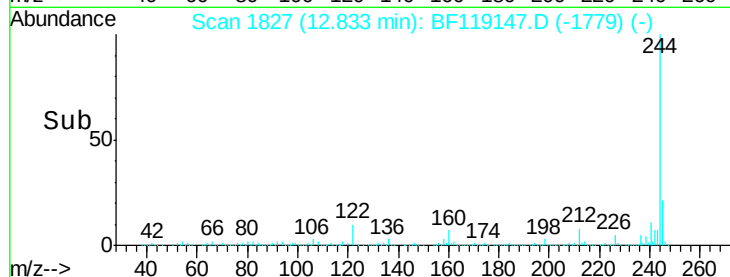
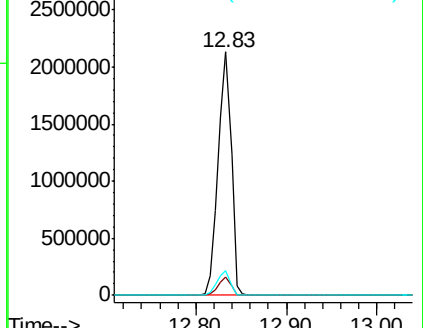
122 10.0 8.2 12.2



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: 52.438 ng

RT: 13.30 min Scan# 1907

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

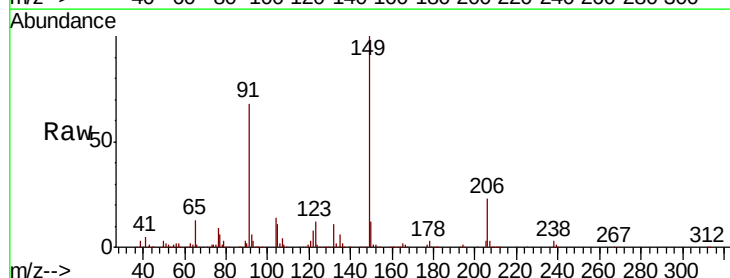
Tgt Ion:149 Resp: 596817

Ion Ratio Lower Upper

149 100

91 67.7 52.3 78.5

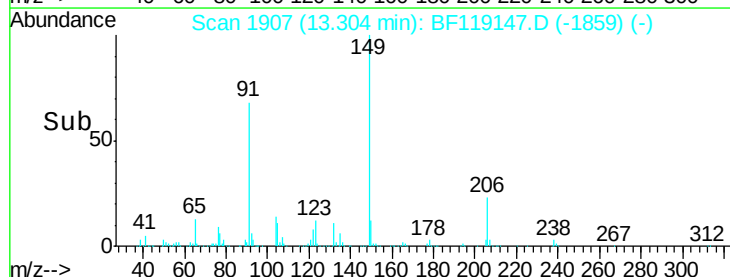
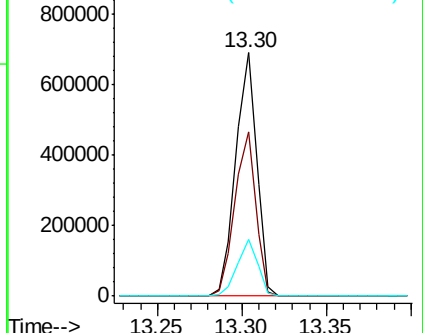
206 23.1 18.5 27.7

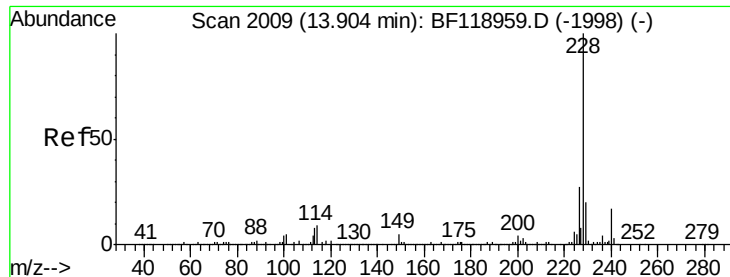


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.441 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

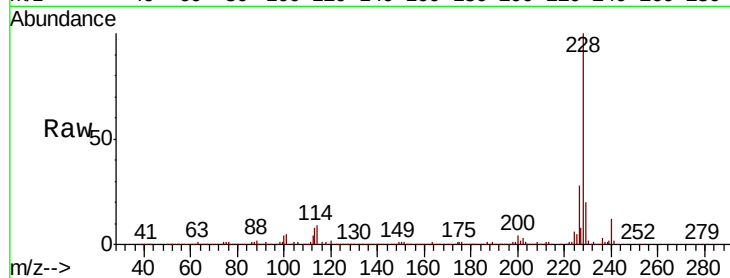
Tot Ion:228 Resp: 1134485

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

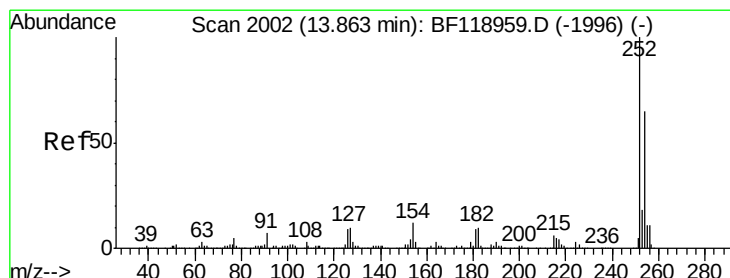
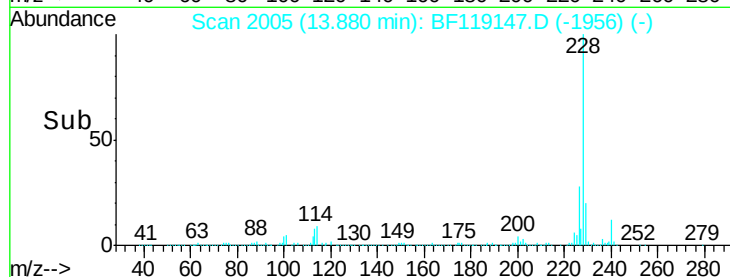
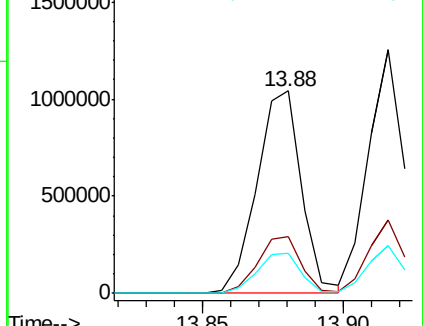
229 20.0 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 23.806 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

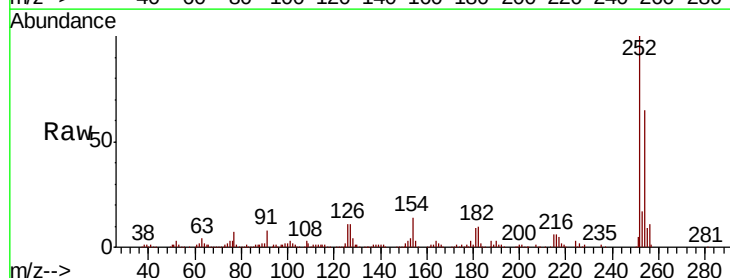
Tgt Ion:252 Resp: 212116

Ion Ratio Lower Upper

252 100

254 64.8 51.6 77.4

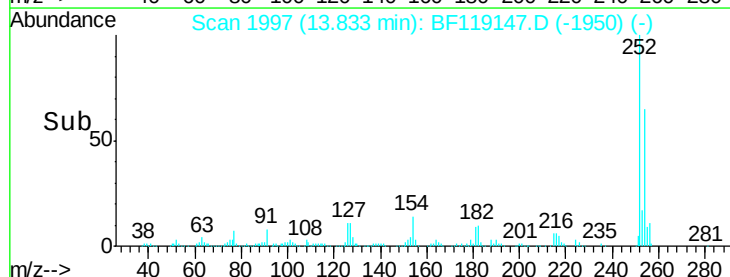
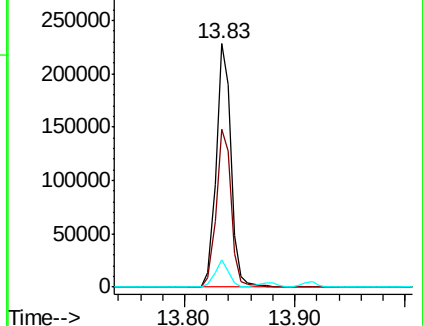
126 11.2 7.4 11.0#

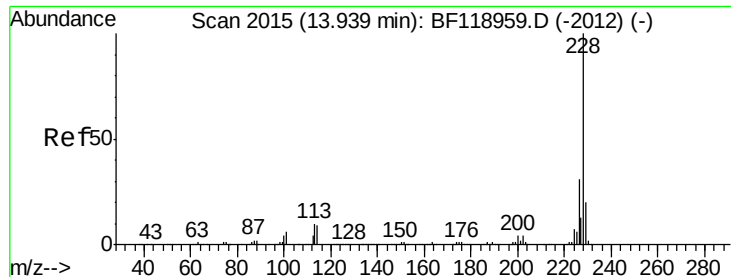


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 47.582 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

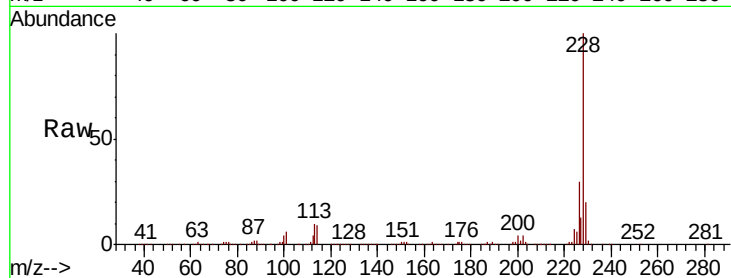
Tot Ion:228 Resp: 1087921

Ion Ratio Lower Upper

228 100

226 30.4 25.1 37.7

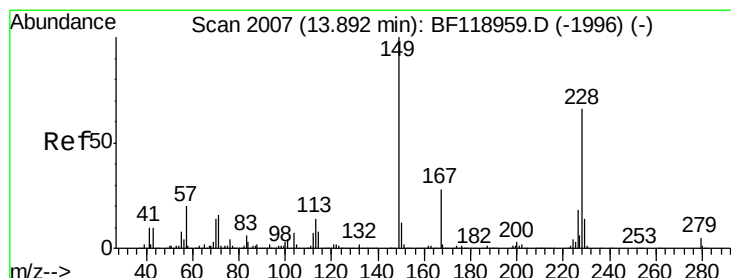
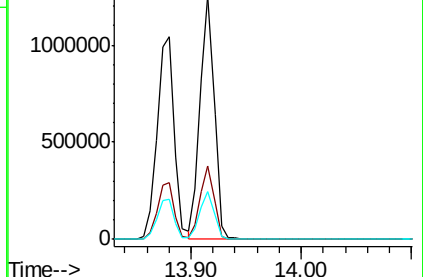
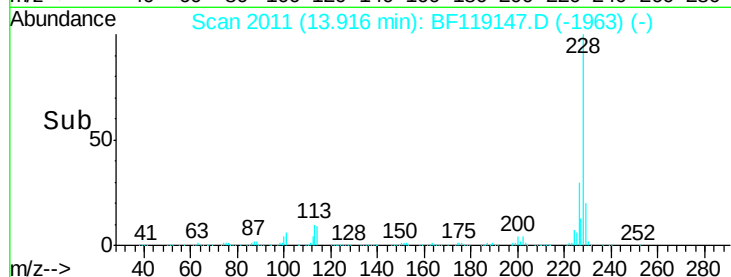
229 19.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.599 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

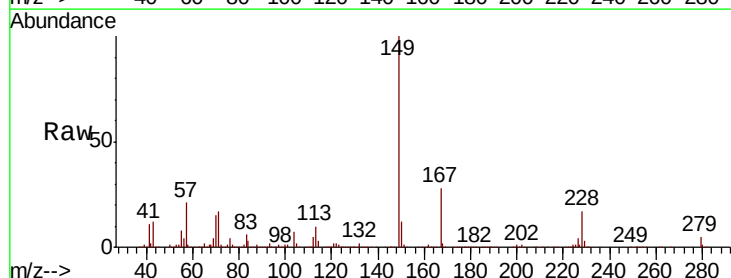
Tgt Ion:149 Resp: 770681

Ion Ratio Lower Upper

149 100

167 27.7 22.8 34.2

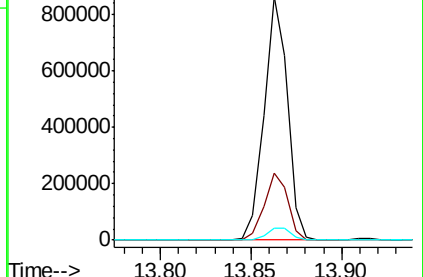
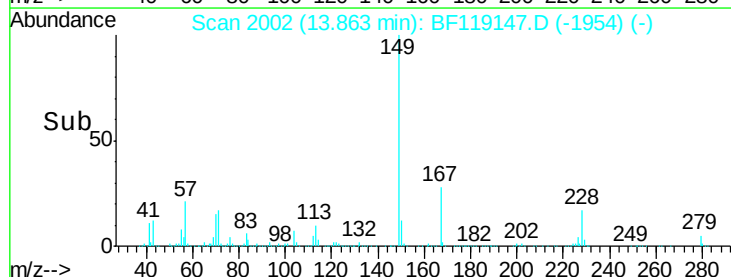
279 4.9 4.6 6.8

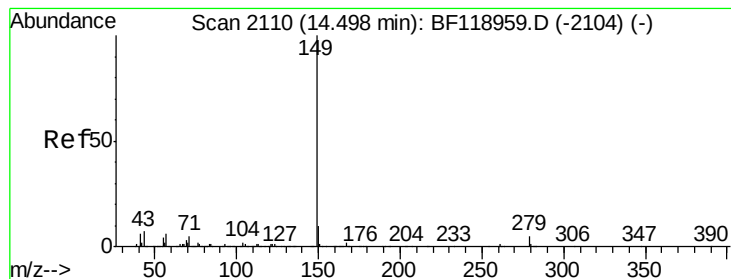


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 51.864 ng

RT: 14.47 min Scan# 2105

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

BNA_F

ClientSampleId :

HR-05-022620MSD

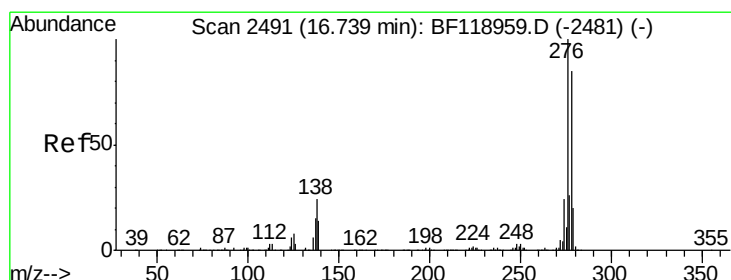
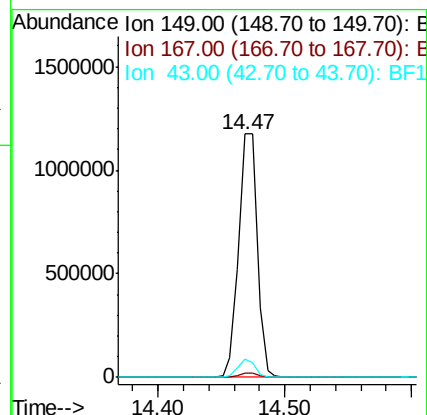
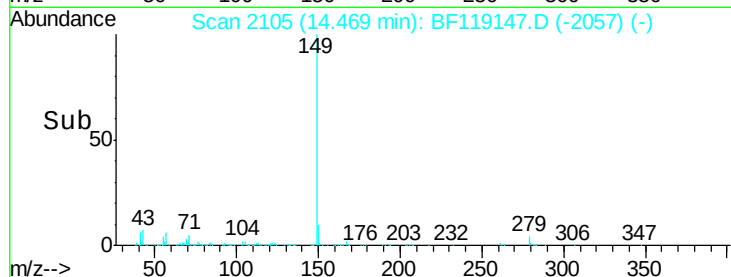
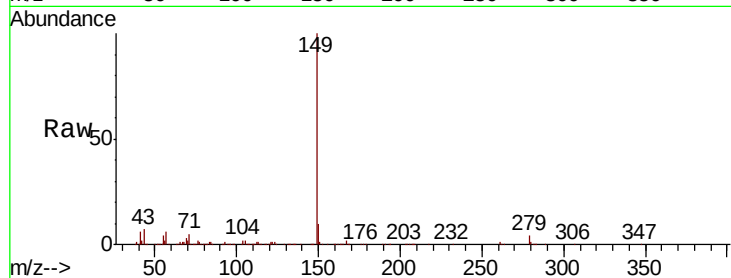
Tot Ion:149 Resp: 1188169

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 6.5 5.7 8.5



#86

Indeno(1,2,3-cd)pyrene

Concen: 55.273 ng

RT: 16.72 min Scan# 2487

Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

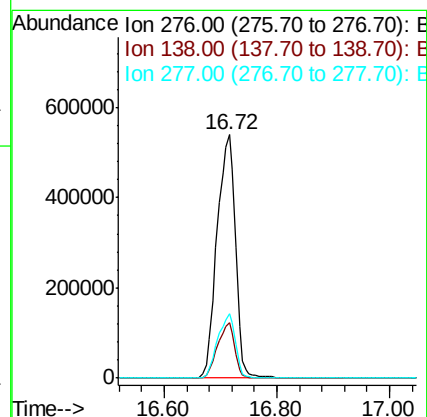
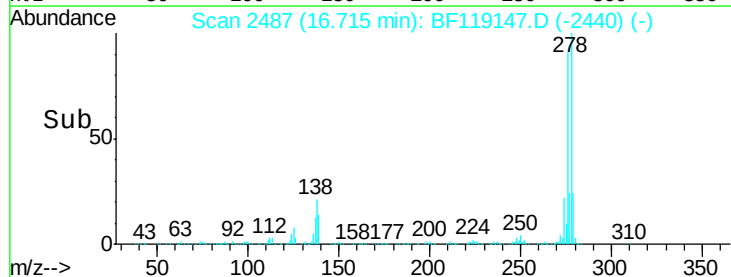
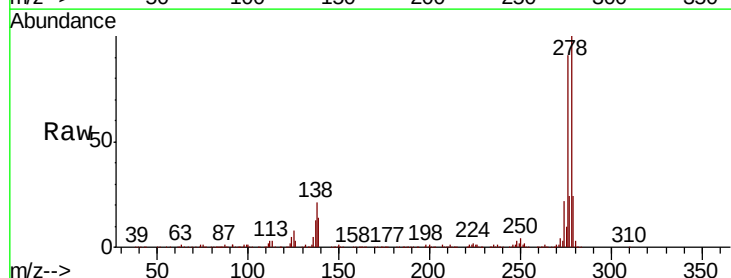
Tgt Ion:276 Resp: 1223674

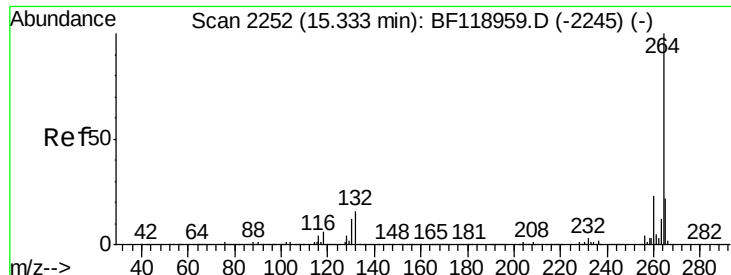
Ion Ratio Lower Upper

276 100

138 21.4 17.4 26.0

277 25.7 20.3 30.5



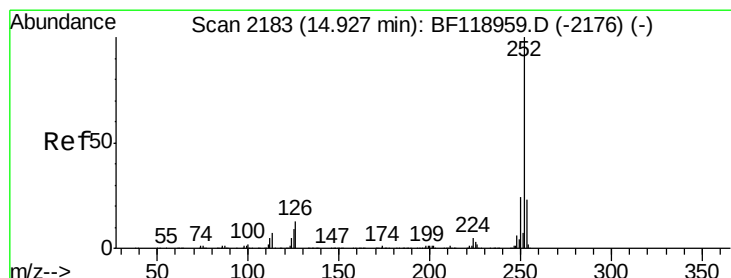
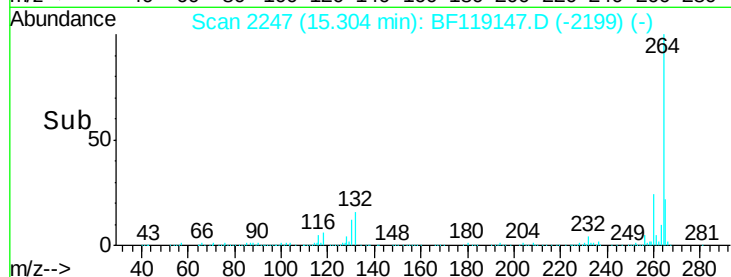
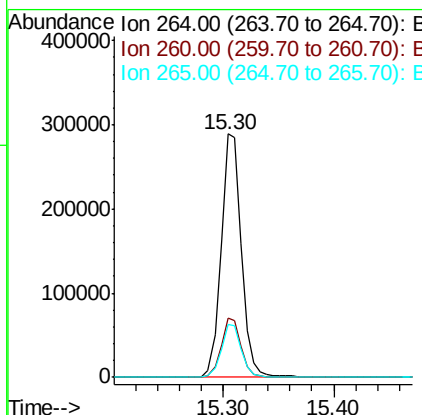
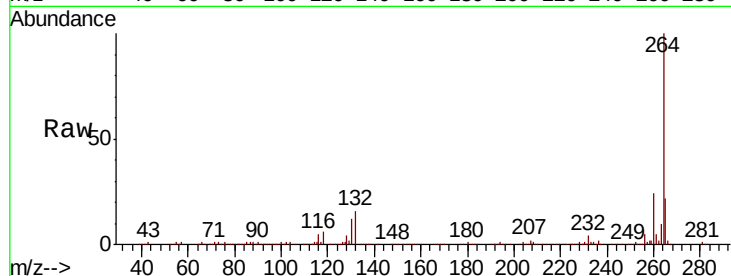


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion:264 Resp: 370349

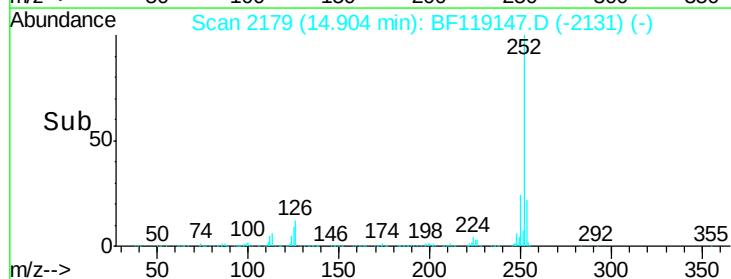
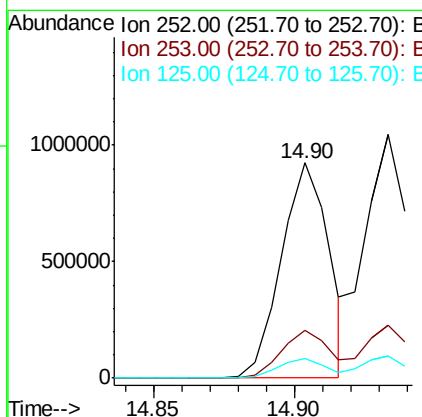
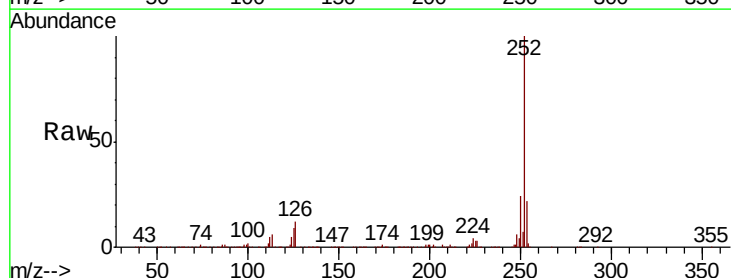
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.9	17.7	26.5

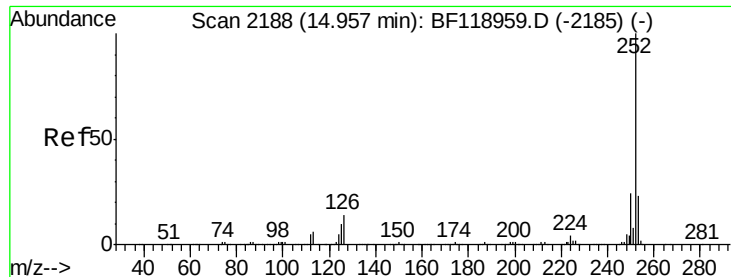


#88
Benzo(b)fluoranthene
Concen: 44.168 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion:252 Resp: 1078191

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	9.0	7.4	11.0

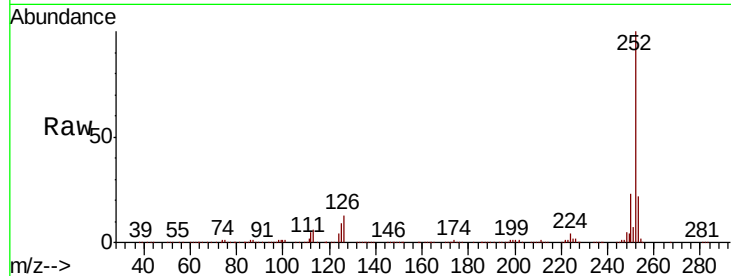




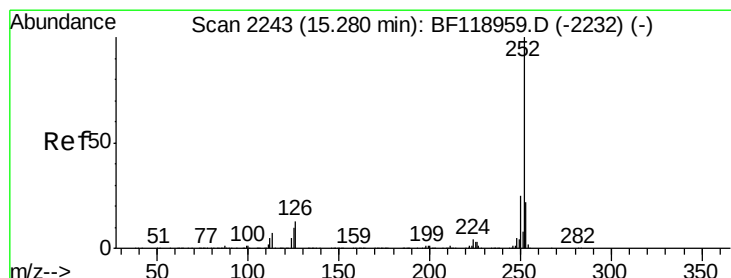
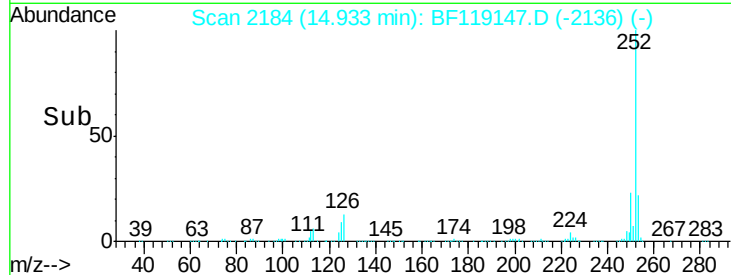
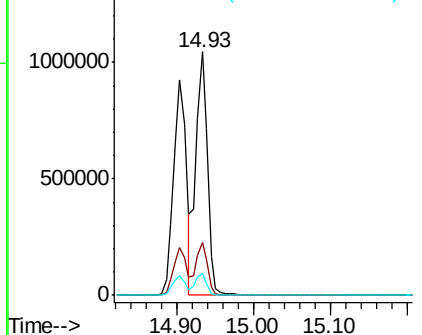
#89
Benzo(k)fluoranthene
Concen: 49.043 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Instrument :
BNA_F
ClientSampleId :
HR-05-022620MSD

Tot Ion:252 Resp: 1109473
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 9.0 7.5 11.3

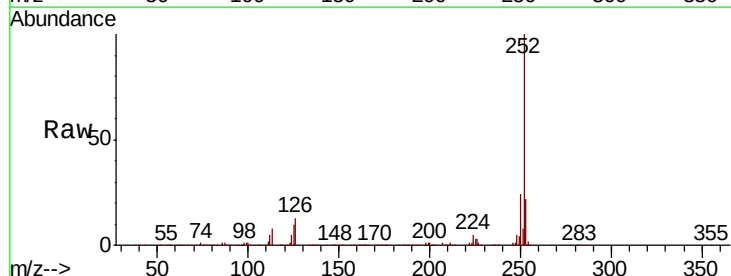


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

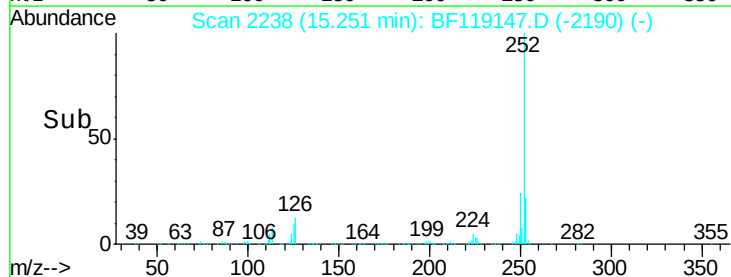
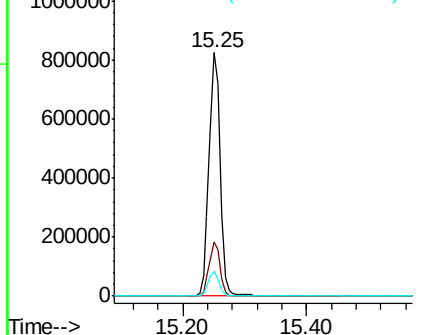


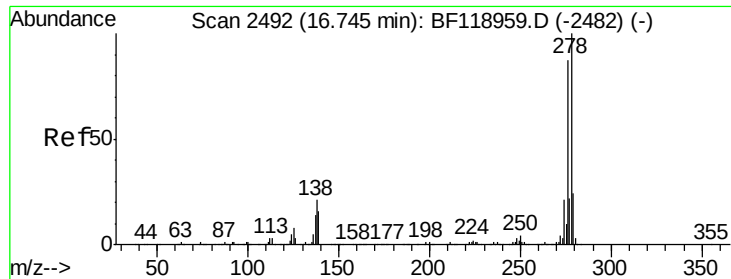
#90
Benzo(a)pyrene
Concen: 46.020 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF119147.D
Acq: 28 Feb 2020 23:18

Tgt Ion:252 Resp: 1013903
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 10.4 8.6 12.8



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: 52.965 ng

RT: 16.72 min Scan# 2487

Delta R.T. -0.03 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Instrument :

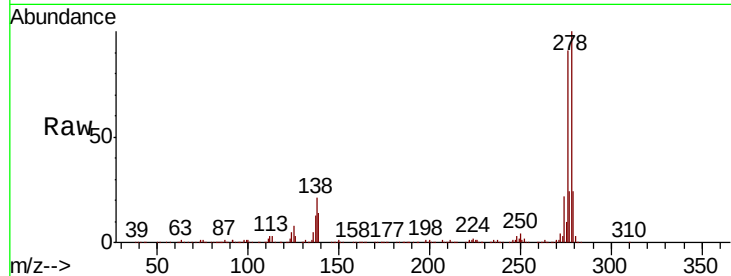
BNA_F

ClientSampleId :

HR-05-022620MSD

Tot Ion:278 Resp: 1026756

Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.0	16.4
279	23.8	18.6	28.0

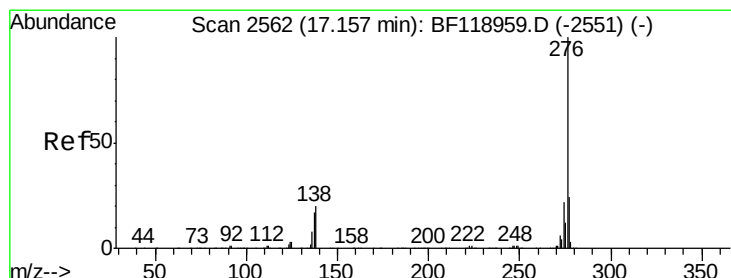
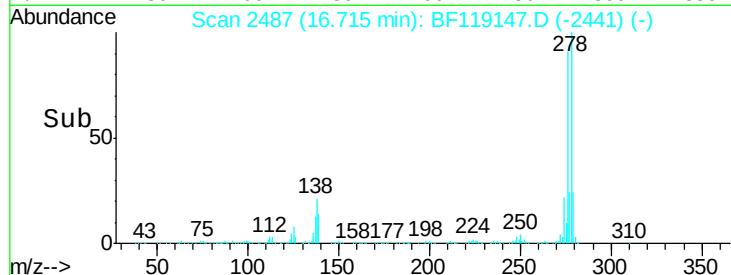
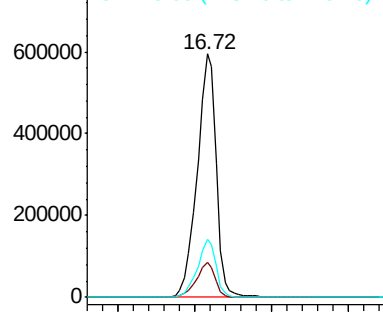


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 51.999 ng

RT: 17.13 min Scan# 2558

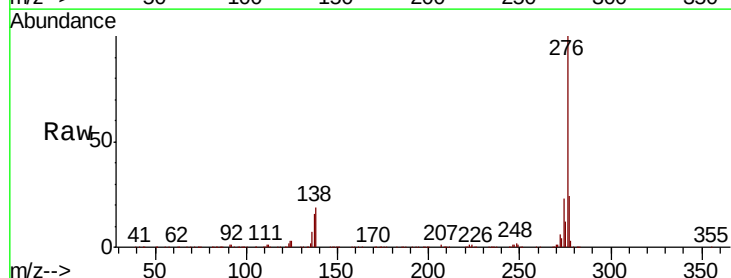
Delta R.T. -0.02 min

Lab File: BF119147.D

Acq: 28 Feb 2020 23:18

Tgt Ion:276 Resp: 995975

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.7	28.1
138	19.2	14.3	21.5



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

