

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
 Data File : BF114434.D
 Acq On : 20 May 2019 13:12
 Operator : JU/SJ
 Sample : K2943-05MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

Quant Time: May 21 11:15:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	188703	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	684006	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	316503	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	591981	20.00	ng	0.00
76) Chrysene-d12	14.00	240	423189	20.00	ng	0.00
87) Perylene-d12	15.48	264	524490	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1432633	122.18	ng	0.00
7) Phenol-d6	6.48	99	1851811	133.52	ng	0.00
23) Nitrobenzene-d5	7.40	82	1146193	94.04	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	417789	127.68	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1951963	93.29	ng	0.00
79) Terphenyl-d14	12.93	244	1740534	84.78	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	206456	32.032	ng	98
3) Pyridine	3.38	79	365986	20.609	ng	97
4) n-Nitrosodimethylamine	3.31	42	322381	37.646	ng	98
6) Aniline	6.50	93	401831	20.058	ng	# 28
8) 2-Chlorophenol	6.62	128	561355	44.843	ng	98
9) Benzaldehyde	6.38	77	384154	39.566	ng	100
10) Phenol	6.49	94	697126	42.730	ng	99
11) bis(2-Chloroethyl)ether	6.57	93	547069	44.168	ng	97
12) 1,3-Dichlorobenzene	6.77	146	587570	41.815	ng	99
13) 1,4-Dichlorobenzene	6.85	146	590777	41.722	ng	98
14) 1,2-Dichlorobenzene	7.00	146	549073	42.444	ng	99
15) Benzyl Alcohol	6.98	79	462848	42.790	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.10	45	988590	41.164	ng	76
17) 2-Methylphenol	7.09	107	449335	43.696	ng	95
18) Hexachloroethane	7.34	117	216434	40.721	ng	99
19) n-Nitroso-di-n-propylamine	7.25	70	380755	43.313	ng	100
20) 3+4-Methylphenols	7.25	107	571965	48.141	ng	# 63
22) Acetophenone	7.24	105	751962	49.625	ng	91
24) Nitrobenzene	7.42	77	595157	47.943	ng	94
25) Isophorone	7.65	82	1069177	47.300	ng	99
26) 2-Nitrophenol	7.73	139	309943	51.462	ng	96
27) 2,4-Dimethylphenol	7.77	122	488523	51.645	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	682746	46.551	ng	98
29) 2,4-Dichlorophenol	7.98	162	459755	48.811	ng	97
30) 1,2,4-Trichlorobenzene	8.06	180	489641	45.715	ng	99
31) Naphthalene	8.13	128	1551618	48.562	ng	99
32) Benzoic acid	7.91	122	233441	36.569	ng	98
33) 4-Chloroaniline	8.19	127	190295	13.070	ng	96
34) Hexachlorobutadiene	8.25	225	270068	44.315	ng	98
35) Caprolactam	8.56	113	152708	49.720	ng	92
36) 4-Chloro-3-methylphenol	8.68	107	485903	51.249	ng	98
37) 2-Methylnaphthalene	8.83	142	1040907	50.494	ng	97
38) 1-Methylnaphthalene	8.93	142	973837	50.164	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	471558	49.184	ng	99

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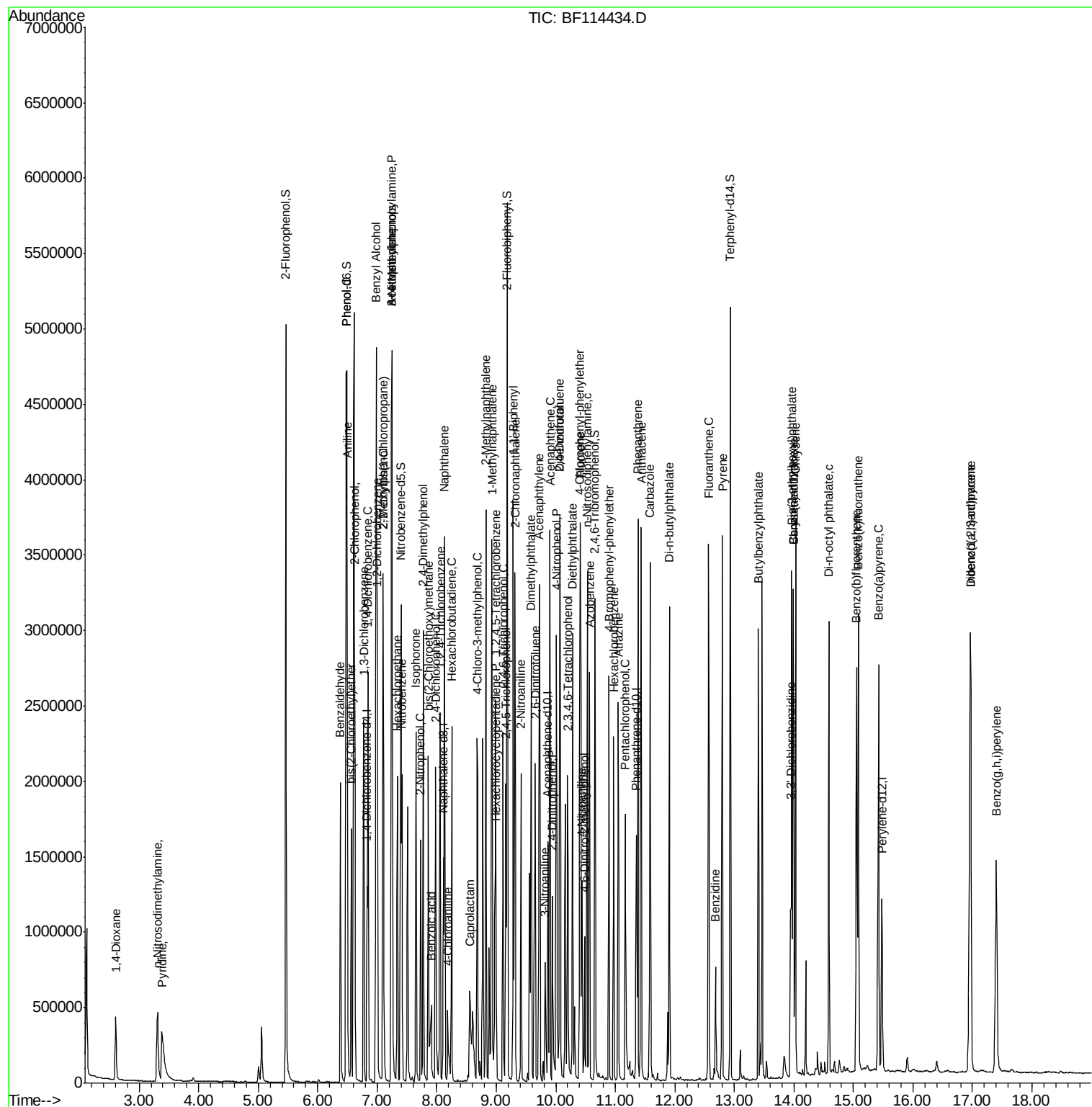
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.98	237	178471	42.121	ng	96
43) 2,4,6-Trichlorophenol	9.11	196	306989	46.552	ng	98
44) 2,4,5-Trichlorophenol	9.16	196	328569	48.583	ng	96
46) 1,1'-Biphenyl	9.29	154	1238684	48.444	ng	98
47) 2-Chloronaphthalene	9.32	162	953274	46.325	ng	99
48) 2-Nitroaniline	9.42	65	332322	45.537	ng	97
49) Acenaphthylene	9.73	152	1502100	47.994	ng	99
50) Dimethylphthalate	9.59	163	1378464	59.329	ng	100
51) 2,6-Dinitrotoluene	9.66	165	251306	48.766	ng	88
52) Acenaphthene	9.90	154	875855	45.604	ng	99
53) 3-Nitroaniline	9.82	138	127898	19.993	ng	94
54) 2,4-Dinitrophenol	9.95	184	175792	68.865	ng	97
55) Dibenzofuran	10.07	168	1281159	45.492	ng	97
56) 4-Nitrophenol	10.01	139	326176	72.100	ng	95
57) 2,4-Dinitrotoluene	10.06	165	316721	45.281	ng	# 88
58) Fluorene	10.42	166	1028631	47.287	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.20	232	272885	46.763	ng	98
60) Diethylphthalate	10.29	149	1058780	44.849	ng	100
61) 4-Chlorophenyl-phenylether	10.40	204	489160	45.785	ng	98
62) 4-Nitroaniline	10.45	138	259805	38.649	ng	94
63) Azobenzene	10.56	77	1042467	45.620	ng	98
65) 4,6-Dinitro-2-methylphenol	10.48	198	125267	44.038	ng	92
66) n-Nitrosodiphenylamine	10.53	169	929095	51.712	ng	98
67) 4-Bromophenyl-phenylether	10.89	248	304148	46.663	ng	99
68) Hexachlorobenzene	10.97	284	323611	44.880	ng	99
69) Atrazine	11.05	200	266232	47.617	ng	98
70) Pentachlorophenol	11.17	266	258366	75.587	ng	98
71) Phenanthrene	11.38	178	1402806	48.708	ng	99
72) Anthracene	11.43	178	1460245	50.479	ng	98
73) Carbazole	11.59	167	1382834	50.130	ng	98
74) Di-n-butylphthalate	11.91	149	1578932	49.682	ng	99
75) Fluoranthene	12.57	202	1440017	46.430	ng	99
77) Benzdine	12.69	184	332135	17.484	ng	95
78) Pyrene	12.80	202	1463943	43.002	ng	99
80) Butylbenzylphthalate	13.40	149	644562	44.982	ng	99
81) Benzo(a)anthracene	13.99	228	1296063	47.351	ng	99
82) 3,3'-Dichlorobenzidine	13.94	252	337555	31.790	ng	99
83) Chrysene	14.03	228	1253431	46.714	ng	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	871775	46.518	ng	99
85) Di-n-octyl phthalate	14.59	149	1534833	50.521	ng	99
86) Indeno(1,2,3-cd)pyrene	16.97	276	1525100	64.313	ng	100
88) Benzo(b)fluoranthene	15.06	252	1448284	43.101	ng	99
89) Benzo(k)fluoranthene	15.09	252	1330703	43.111	ng	99
90) Benzo(a)pyrene	15.42	252	1399720	47.332	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	1274669	51.872	ng	99
92) Benzo(g,h,i)perylene	17.40	276	1263769	51.318	ng	99

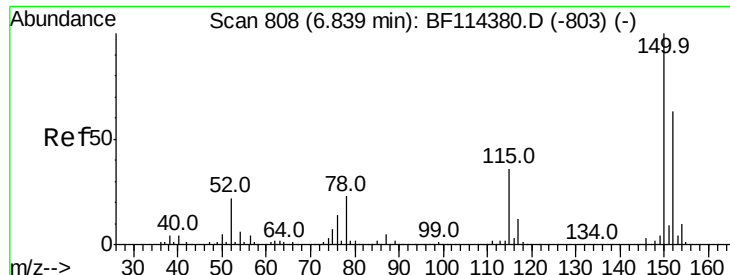
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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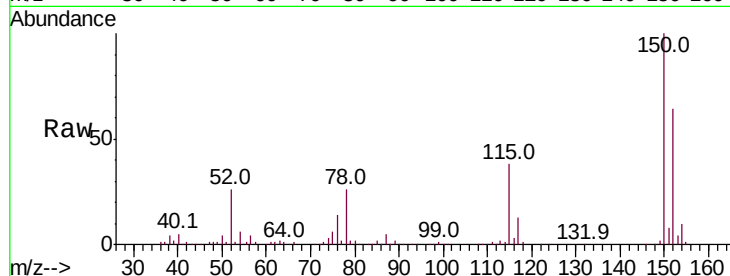


#1

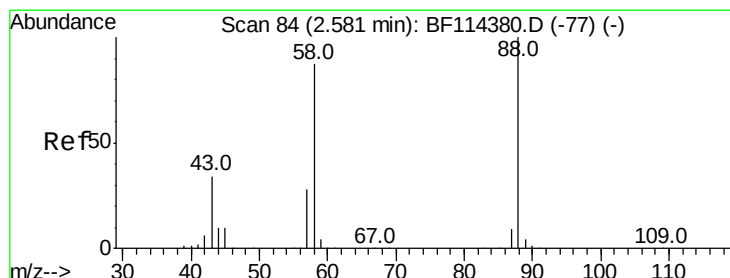
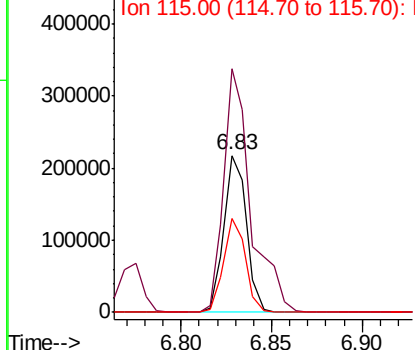
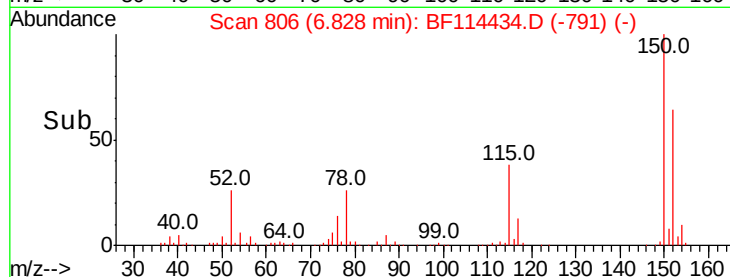
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Instrument :
BNA_F
ClientSampleId :
GIS-5MSD

Tot Ion:152 Resp: 188703
Ion Ratio Lower Upper
152 100
150 155.0 124.3 186.5
115 59.4 49.1 73.7



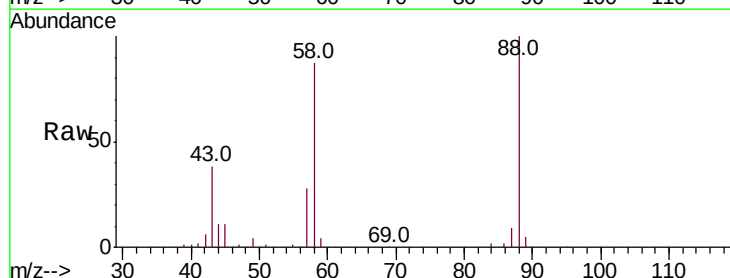
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



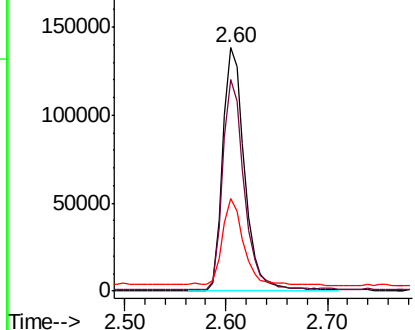
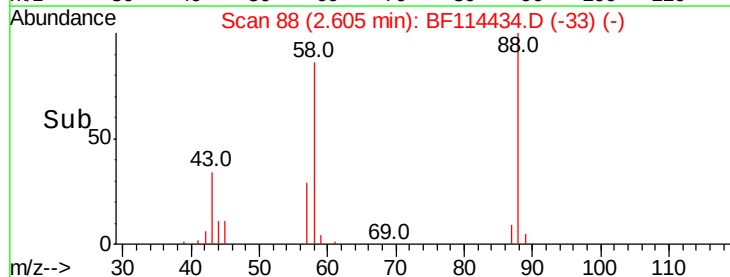
#2

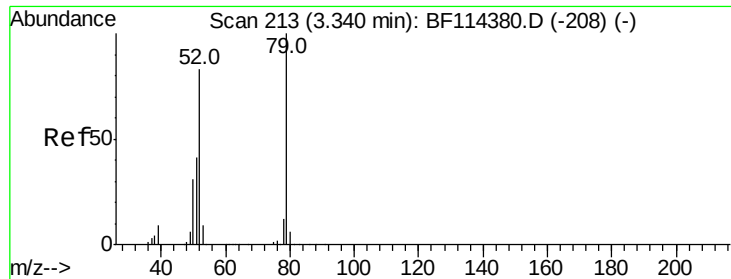
1,4-Dioxane
Concen: 32.032 ng
RT: 2.60 min Scan# 88
Delta R.T. 0.02 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Tgt Ion: 88 Resp: 206456
Ion Ratio Lower Upper
88 100
58 84.6 68.7 103.1
43 33.5 28.2 42.2



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: 20.609 ng

RT: 3.38 min Scan# 220

Delta R.T. 0.04 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

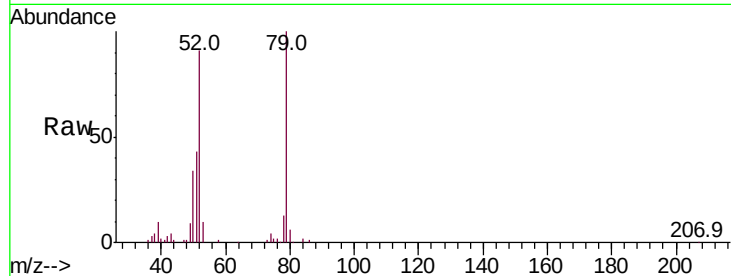
Tot Ion: 79 Resp: 365986

Ion Ratio Lower Upper

79 100

52 91.1 70.6 105.8

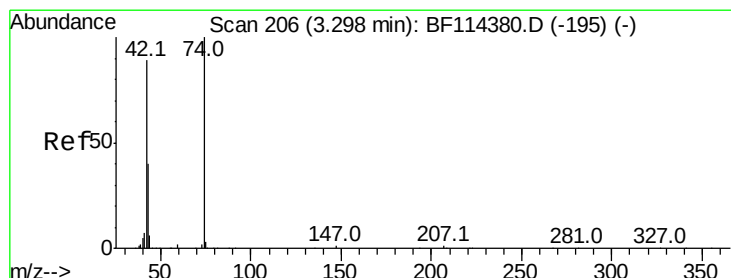
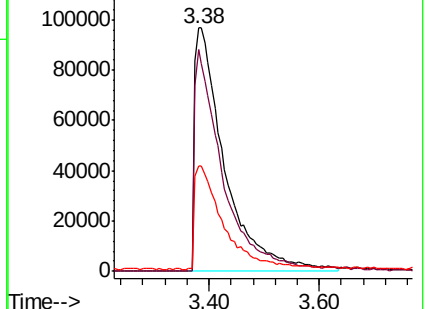
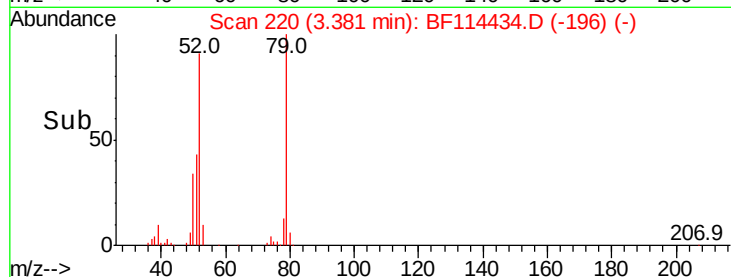
51 43.5 34.2 51.2



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: 37.646 ng

RT: 3.31 min Scan# 208

Delta R.T. 0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

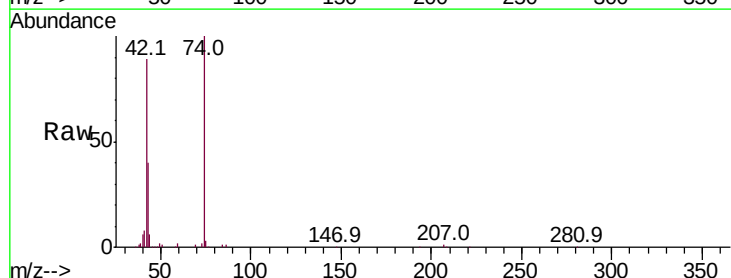
Tgt Ion: 42 Resp: 322381

Ion Ratio Lower Upper

42 100

74 112.9 88.6 132.8

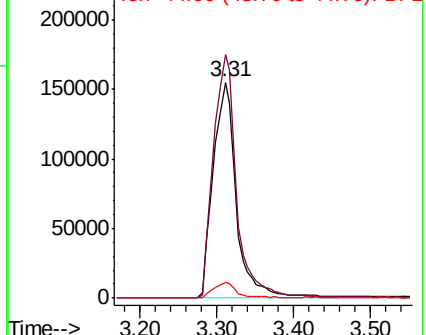
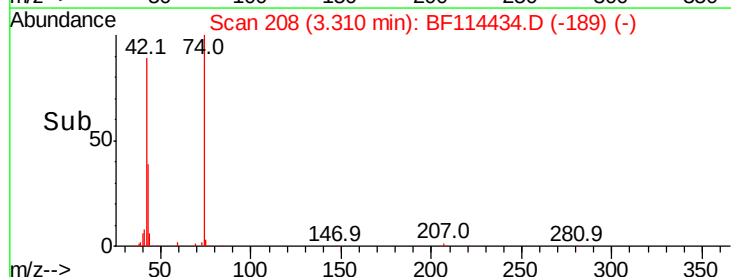
44 7.2 5.5 8.3

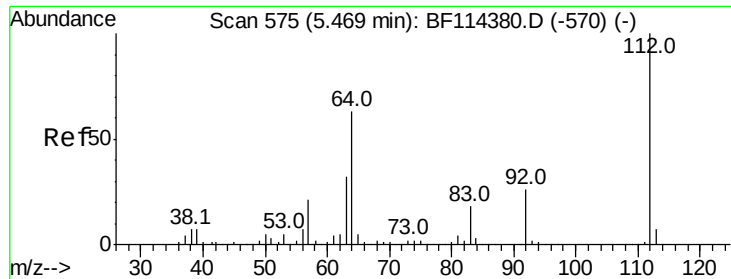


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 122.175 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.00 min

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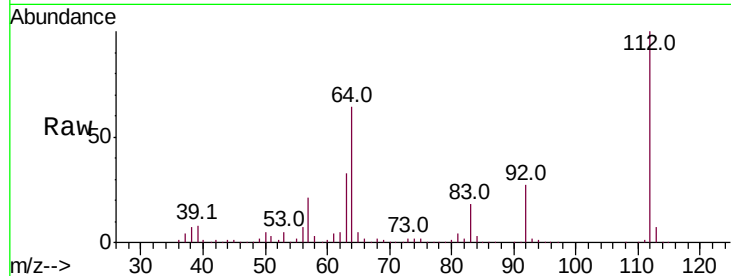
Tot Ion:112 Resp: 1432633

Ion Ratio Lower Upper

112 100

64 63.6 49.0 73.6

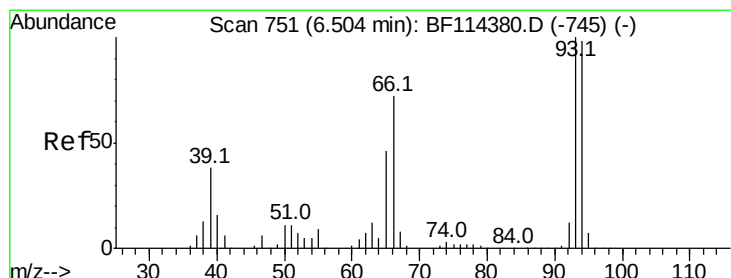
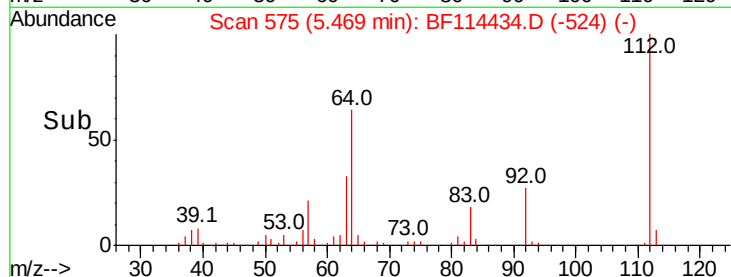
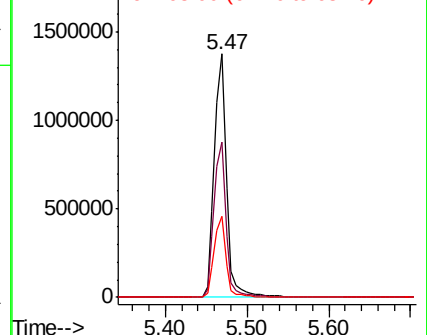
63 33.4 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 20.058 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

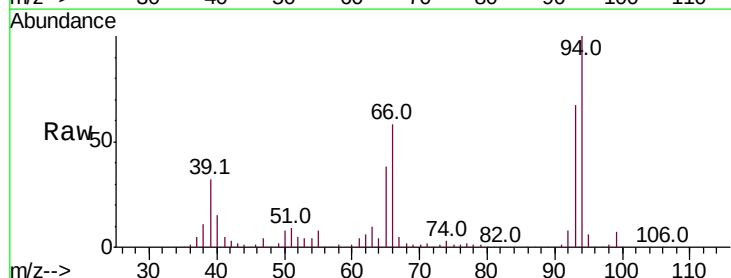
Tgt Ion: 93 Resp: 401831

Ion Ratio Lower Upper

93 100

66 86.0 33.2 49.8#

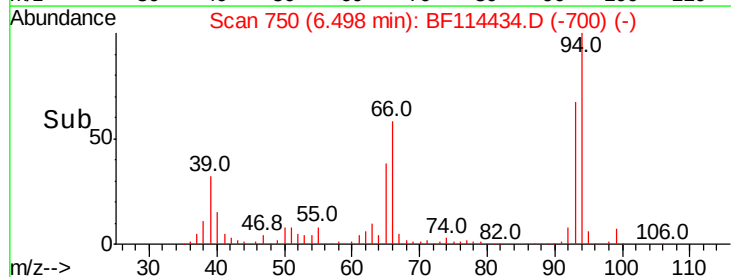
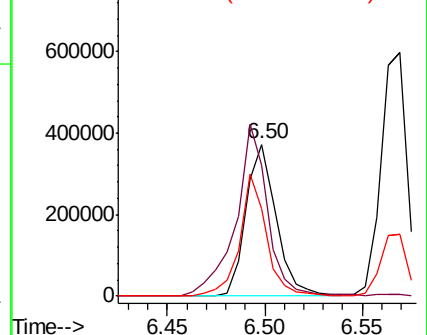
65 57.4 17.6 26.4#

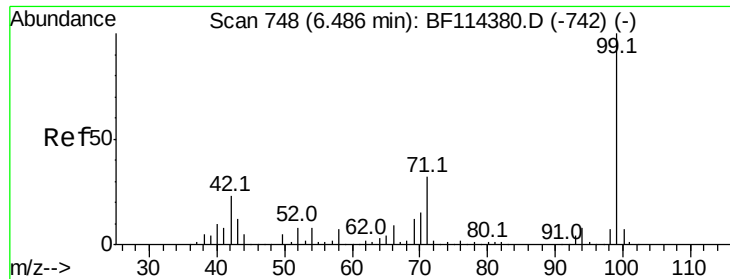


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 133.524 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

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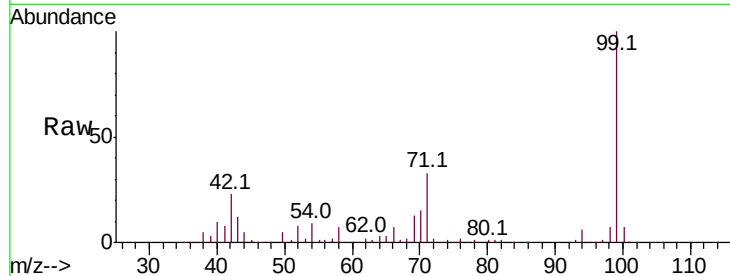
Tot Ion: 99 Resp: 1851811

Ion Ratio Lower Upper

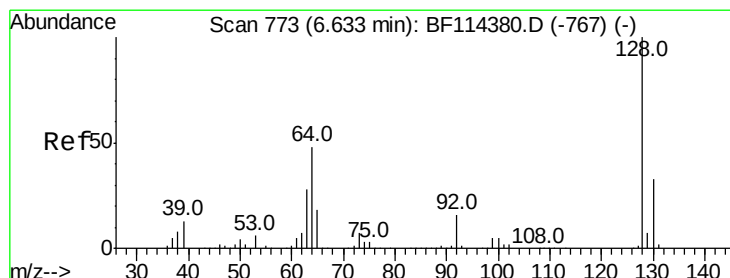
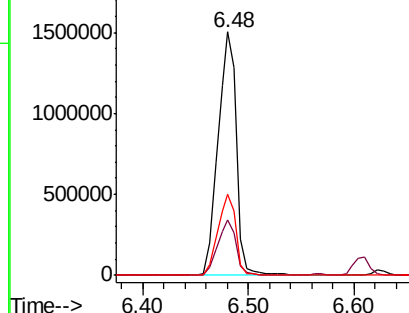
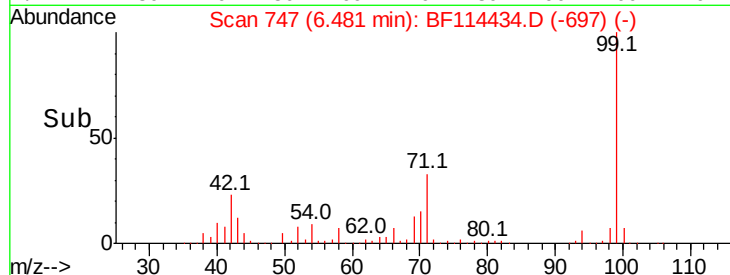
99 100

42 22.7 17.9 26.9

71 33.1 26.2 39.2



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: 44.843 ng

RT: 6.62 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

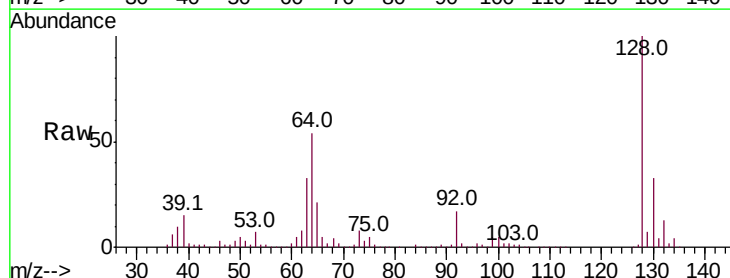
Tgt Ion:128 Resp: 561355

Ion Ratio Lower Upper

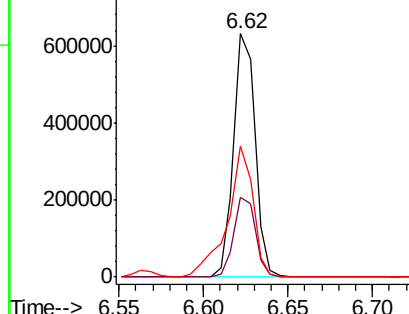
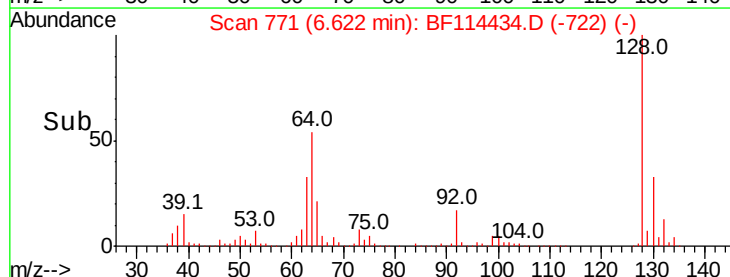
128 100

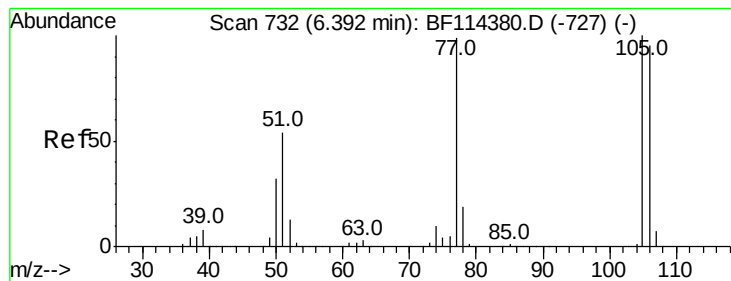
130 32.9 12.6 52.6

64 53.7 35.9 75.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 39.566 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

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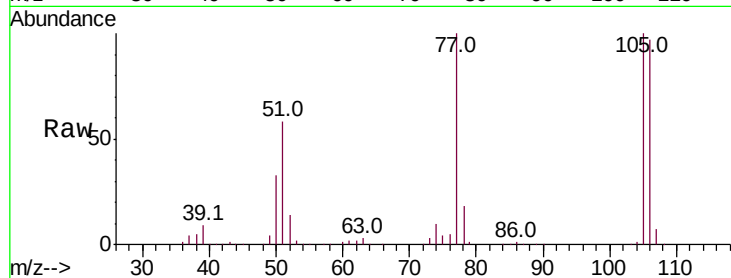
Tot Ion: 77 Resp: 384154

Ion Ratio Lower Upper

77 100

105 100.0 79.3 119.3

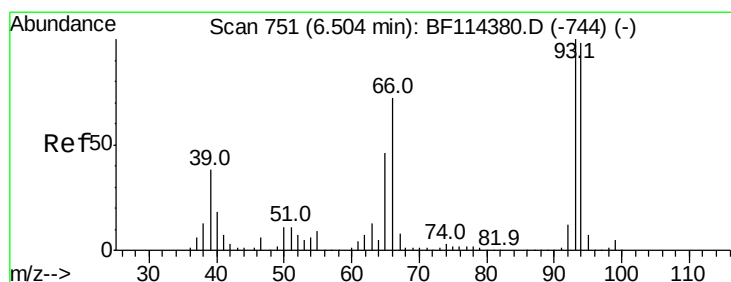
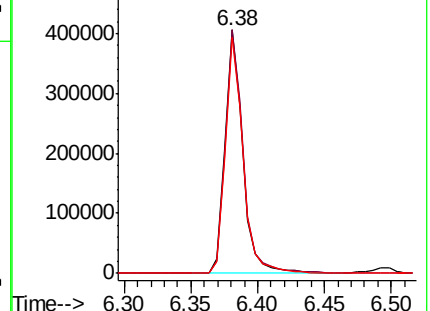
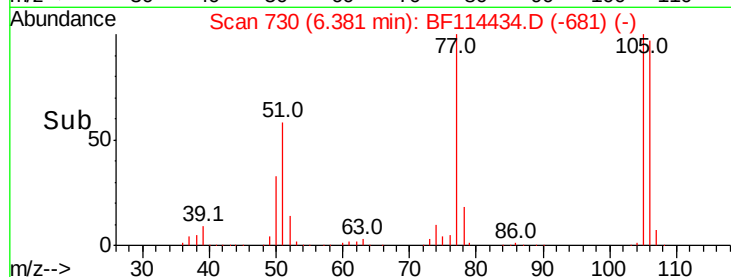
106 97.2 77.0 117.0



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 42.730 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

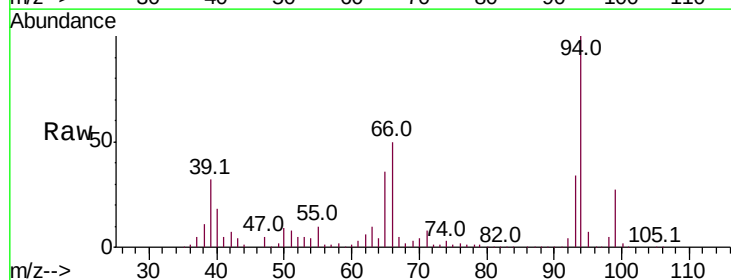
Tgt Ion: 94 Resp: 697126

Ion Ratio Lower Upper

94 100

65 35.7 14.7 54.7

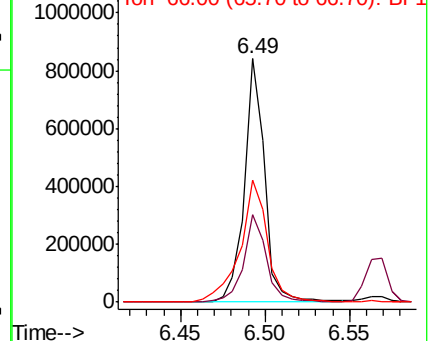
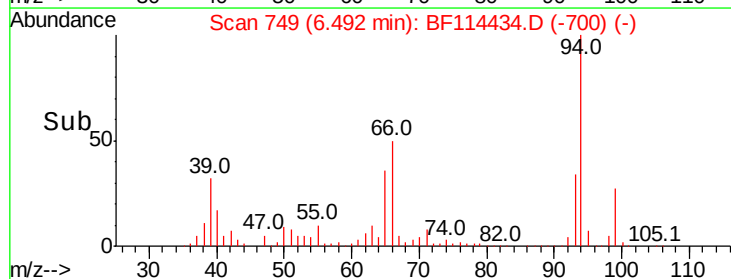
66 49.9 29.6 69.6

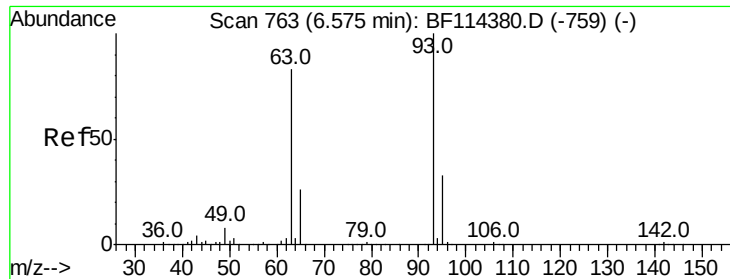


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 44.168 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

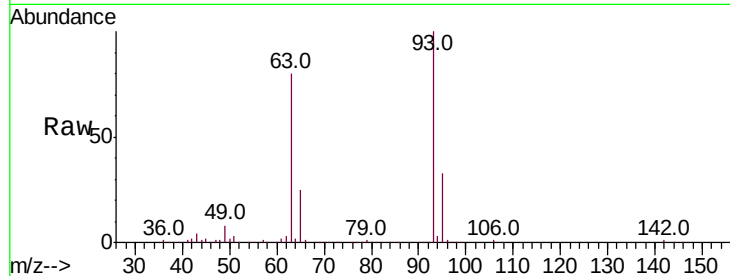
Tot Ion: 93 Resp: 547069

Ion Ratio Lower Upper

93 100

63 79.8 63.6 103.6

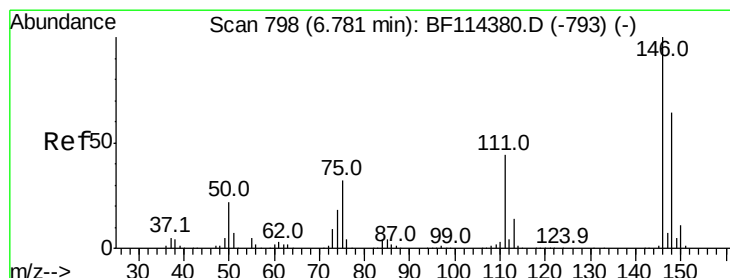
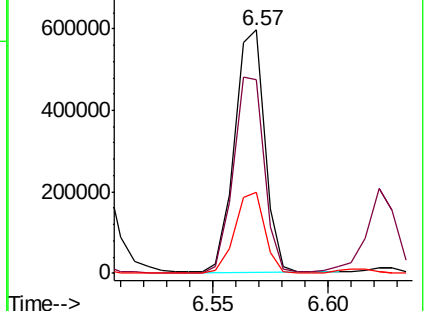
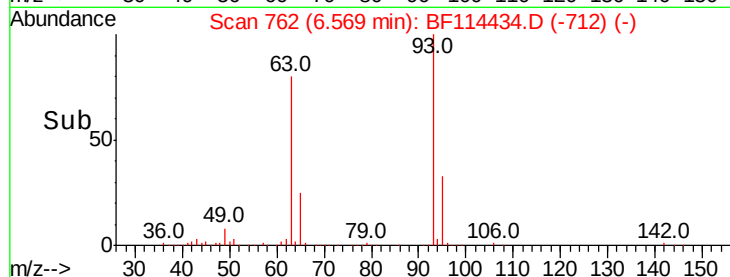
95 33.3 13.1 53.1



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 41.815 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

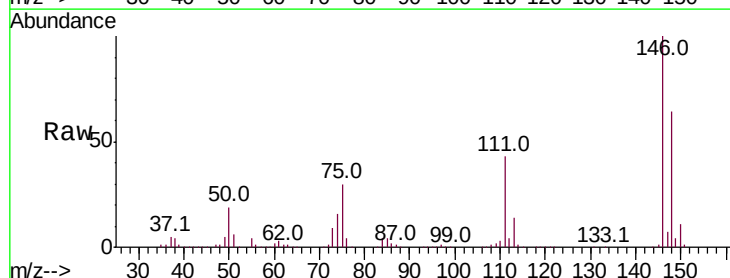
Tgt Ion: 146 Resp: 587570

Ion Ratio Lower Upper

146 100

148 64.2 51.6 77.4

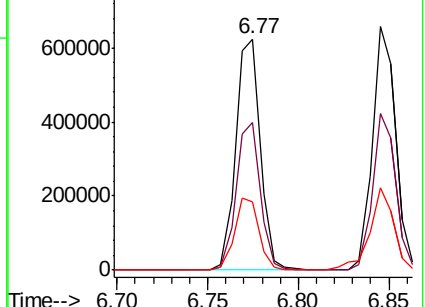
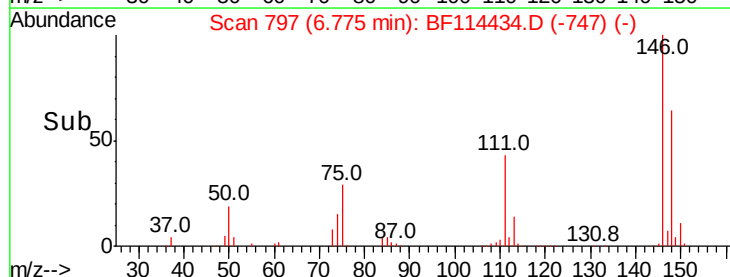
75 29.8 24.2 36.2

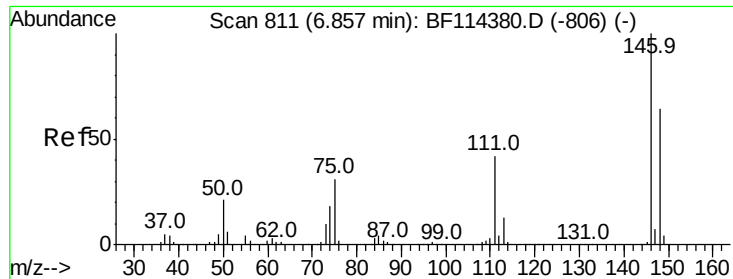


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

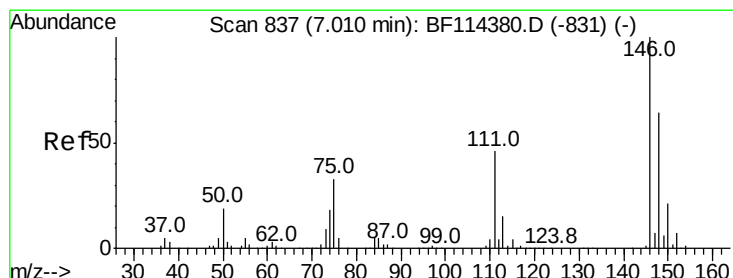
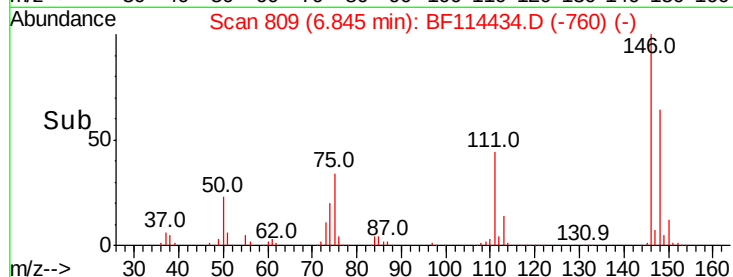
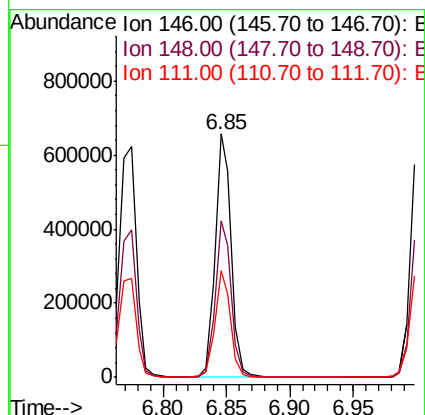
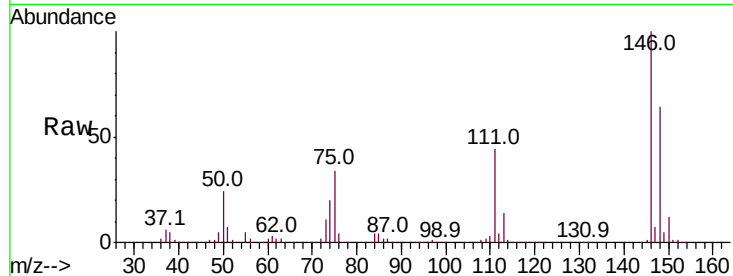




#13
 1,4-Dichlorobenzene
 Concen: 41.722 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

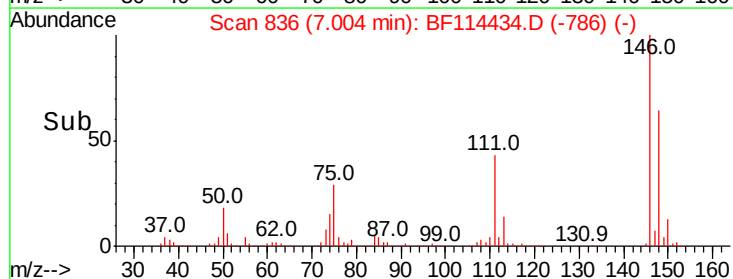
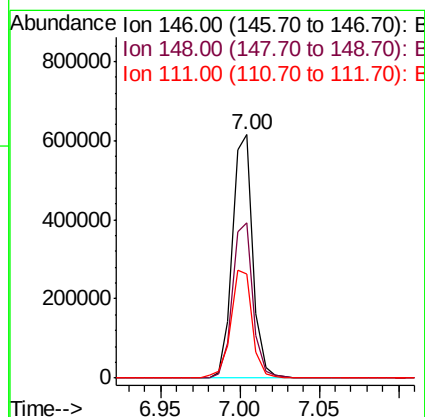
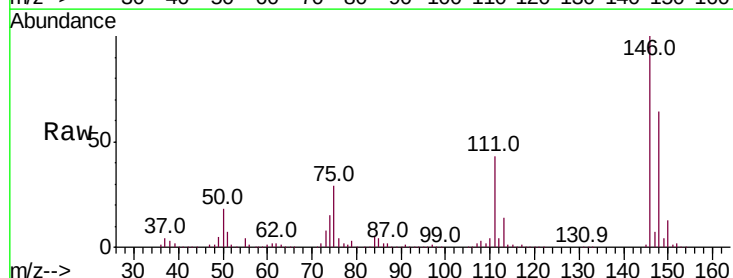
Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

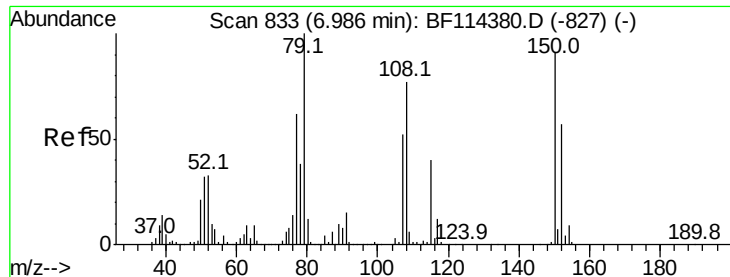
Tot Ion:146 Resp: 590777
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.2 75.2
 111 43.9 35.8 53.6



#14
 1,2-Dichlorobenzene
 Concen: 42.444 ng
 RT: 7.00 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion:146 Resp: 549073
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.1 76.7
 111 42.6 35.3 52.9





#15

Benzyl Alcohol

Concen: 42.790 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

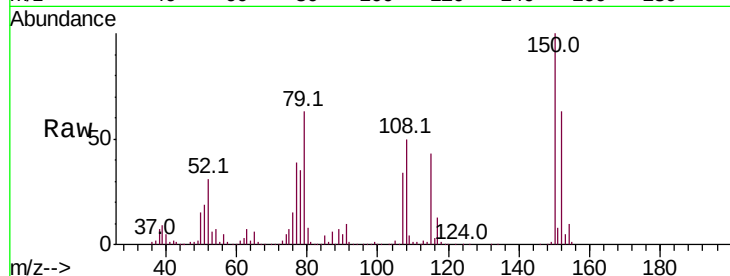
Tot Ion: 79 Resp: 462848

Ion Ratio Lower Upper

79 100

108 79.6 62.1 93.1

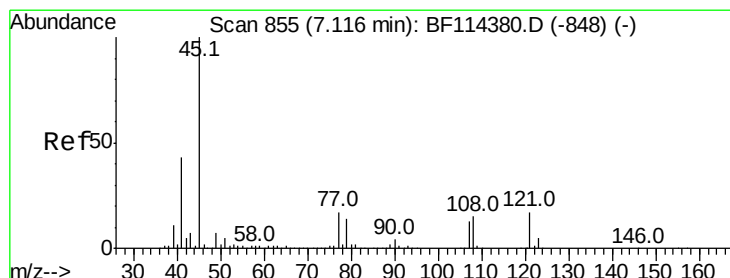
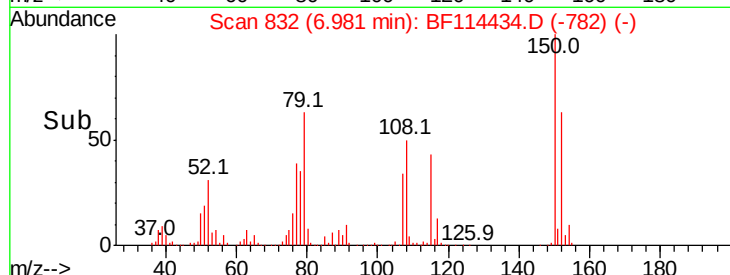
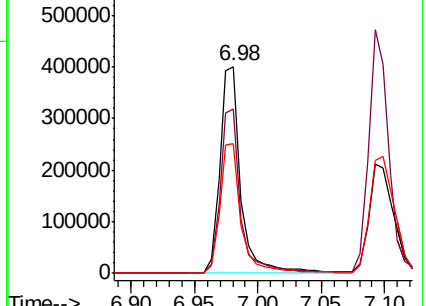
77 62.8 51.0 76.6



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: 41.164 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

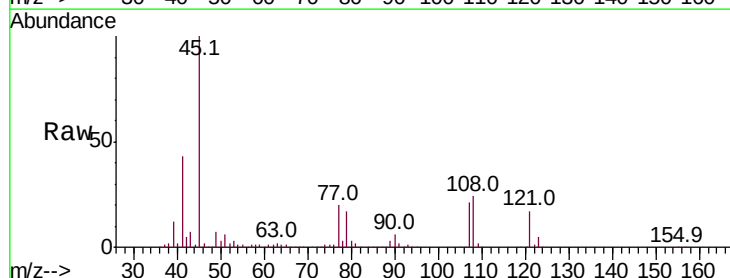
Tgt Ion: 45 Resp: 988590

Ion Ratio Lower Upper

45 100

77 19.9 0.0 31.1

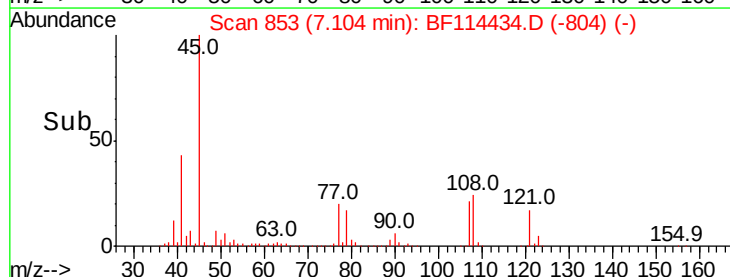
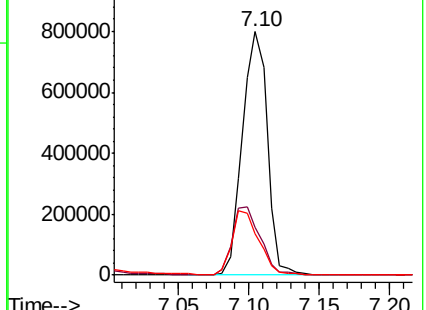
79 17.1 0.0 28.4

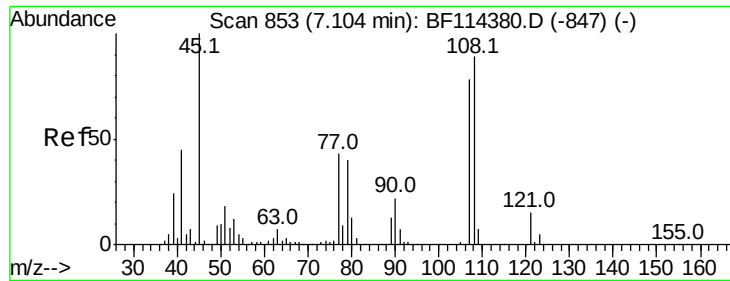


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 43.696 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampled :

GIS-5MSD

Tot Ion:107 Resp: 449335

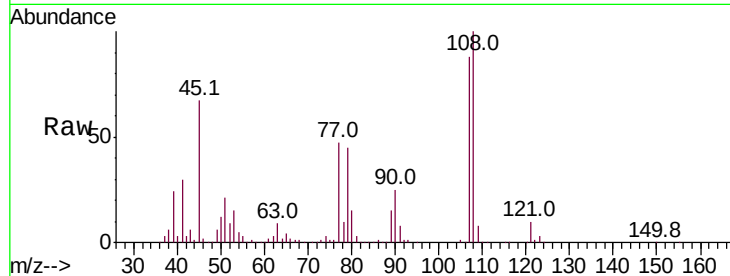
Ion Ratio Lower Upper

107 100

108 113.5 90.5 135.7

77 53.0 37.0 55.4

79 50.8 35.8 53.8

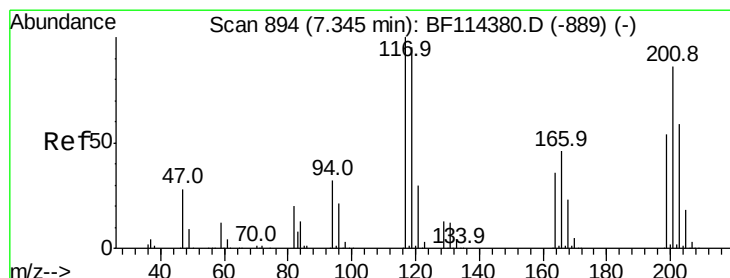
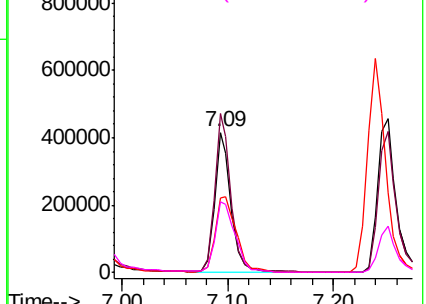
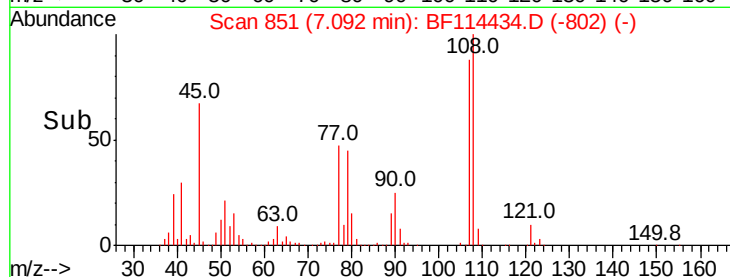


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 40.721 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

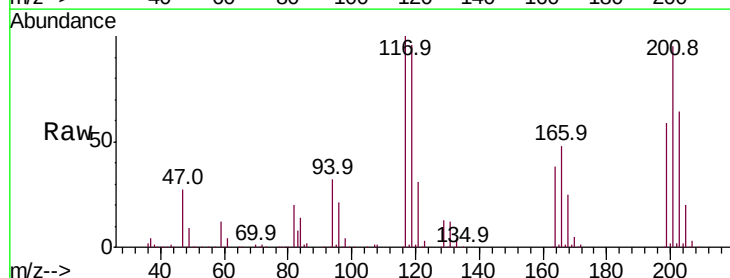
Tgt Ion:117 Resp: 216434

Ion Ratio Lower Upper

117 100

119 96.3 77.4 116.2

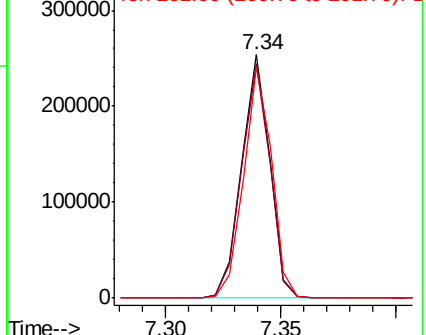
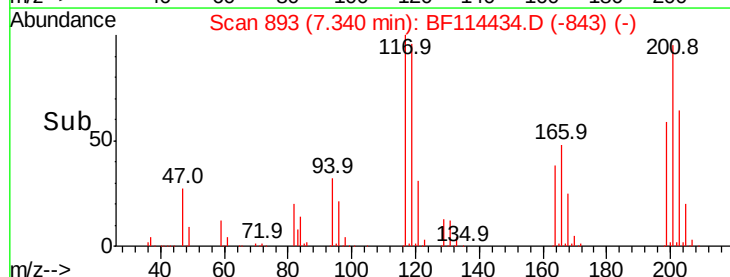
201 94.6 74.5 111.7

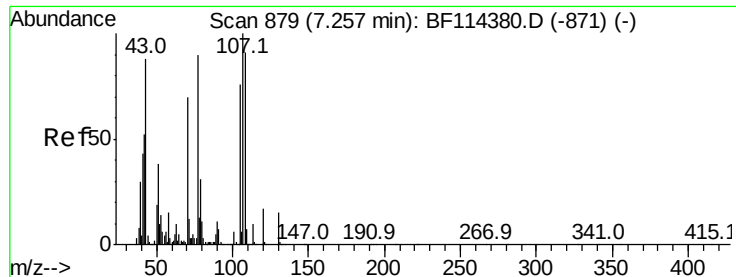


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

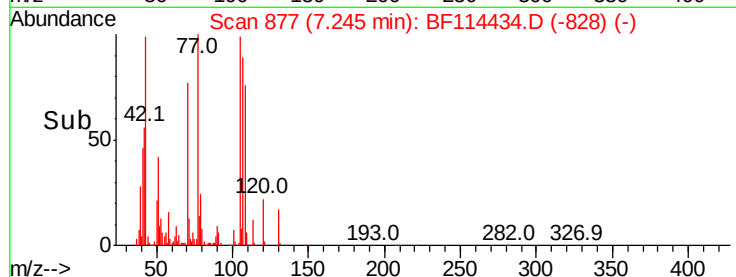
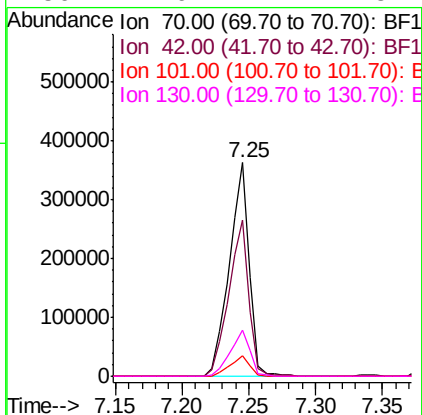
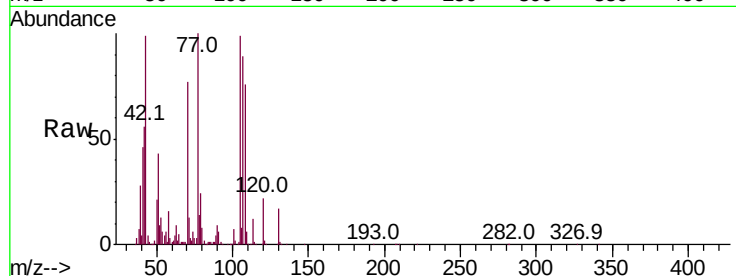




#19
n-Nitroso-di-n-propylamine
Concen: 43.313 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

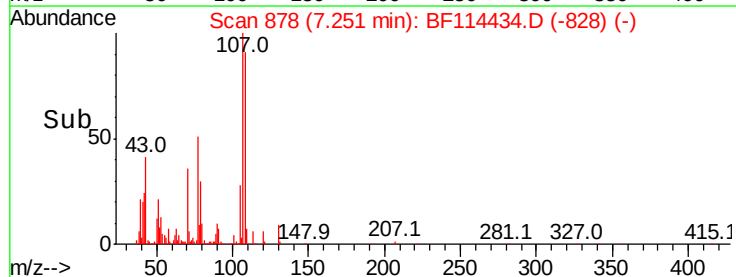
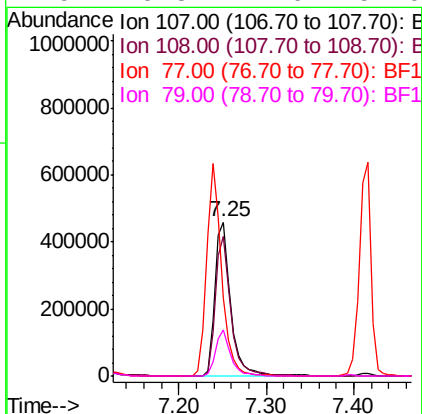
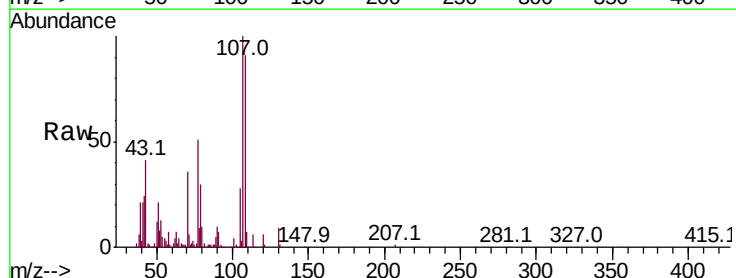
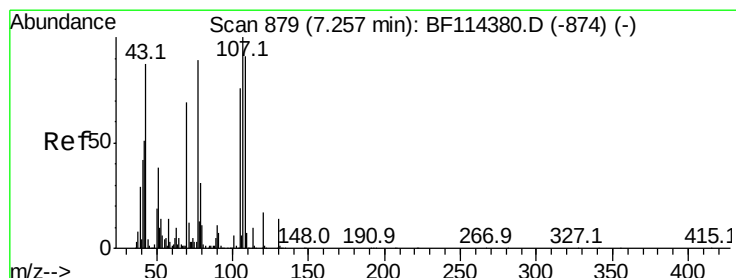
Instrument :
BNA_F
ClientSampleId :
GIS-5MSD

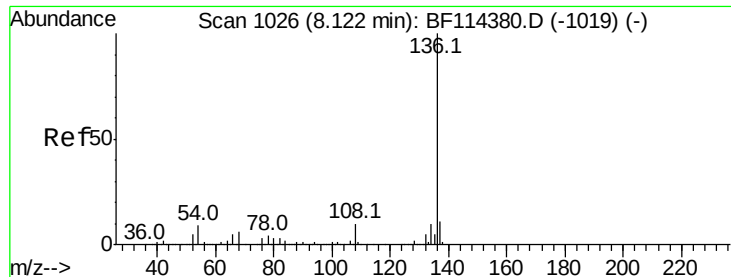
Tot Ion:	70	Resp:	380755
Ion	Ratio	Lower	Upper
70	100		
42	73.2	58.6	87.8
101	9.3	7.8	11.8
130	21.6	17.1	25.7



#20
3+4-Methylphenols
Concen: 48.141 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Tgt Ion:	107	Resp:	571965
Ion	Ratio	Lower	Upper
107	100		
108	91.0	73.8	113.8
77	51.2	111.5	151.5#
79	29.8	12.0	52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

Tot Ion:136 Resp: 684006

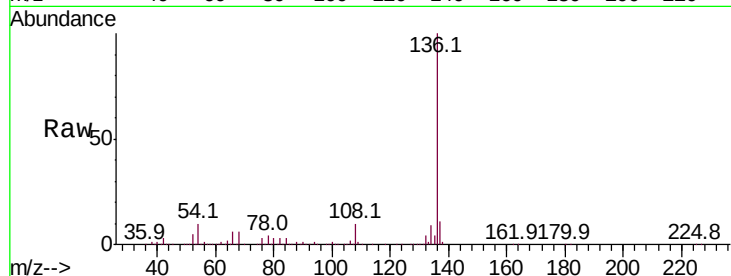
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.5 7.8 11.8

68 6.4 5.1 7.7

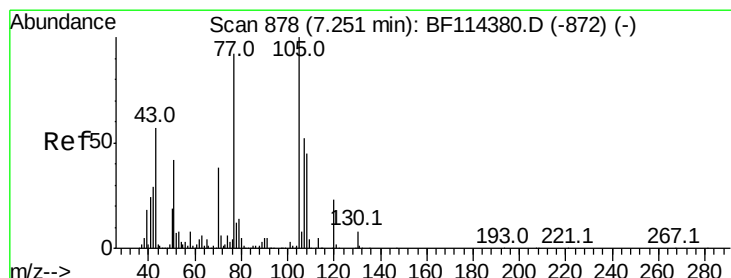
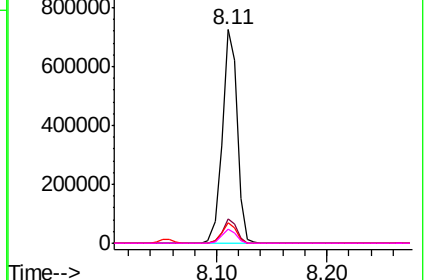
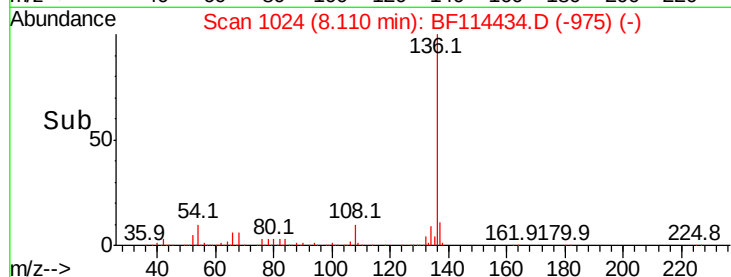


Abundance Ion 136.00 (135.70 to 136.70): E

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: 49.625 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Tgt Ion:105 Resp: 751962

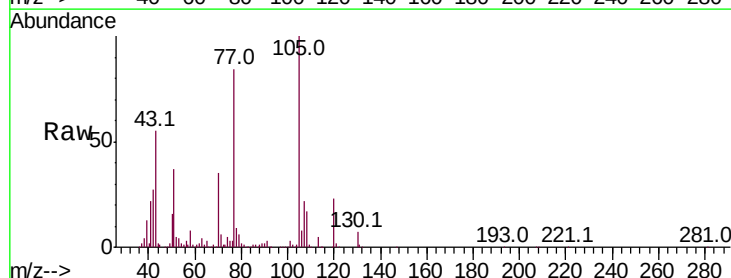
Ion Ratio Lower Upper

105 100

71 5.8 5.3 7.9

51 36.6 36.2 54.4

120 22.6 18.6 28.0

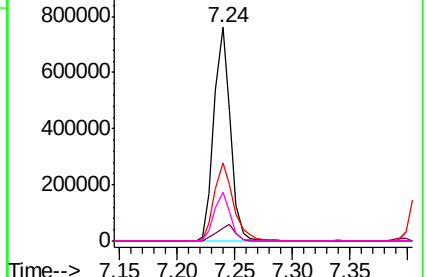
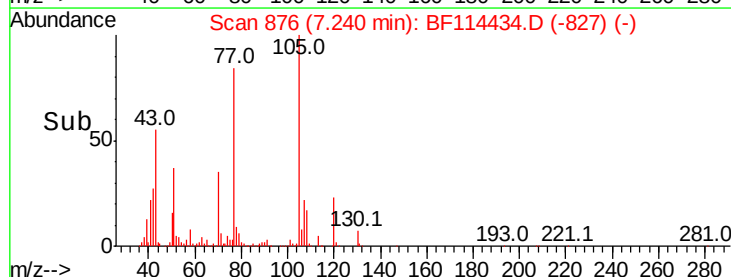


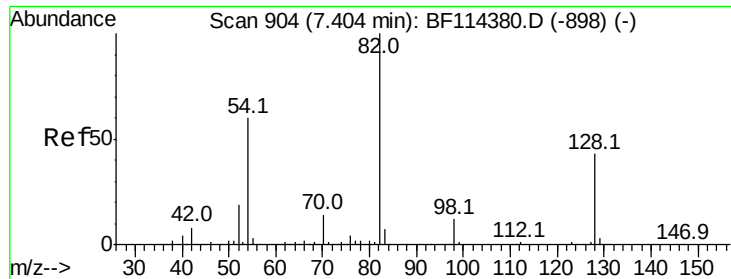
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



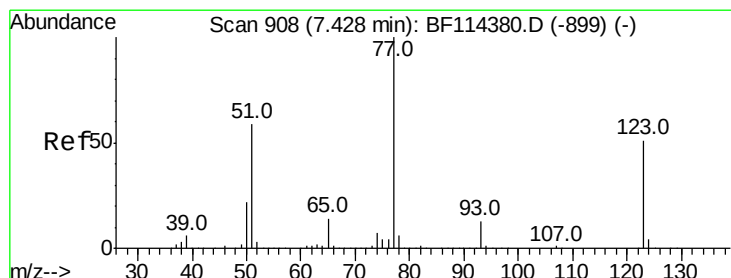
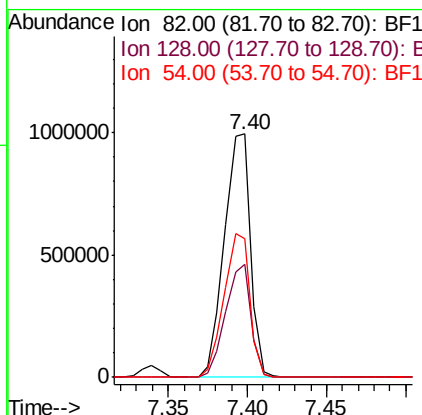
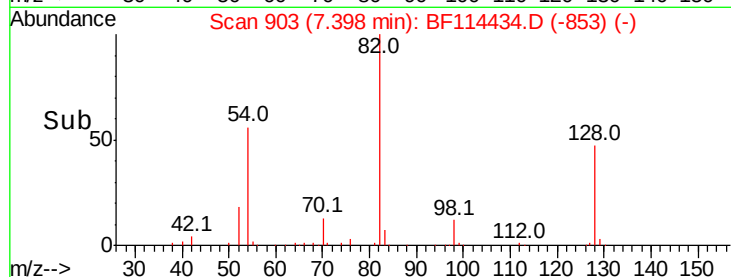
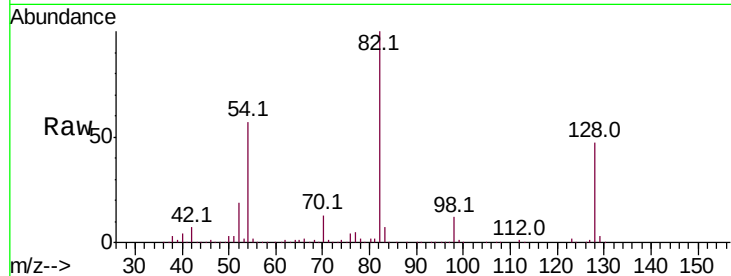


#23
 Nitrobenzene-d5
 Concen: 94.041 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

Tot Ion: 82 Resp: 1146193

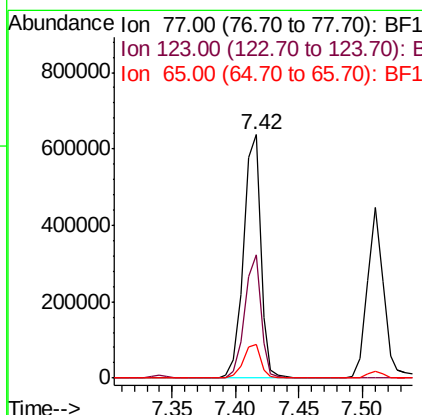
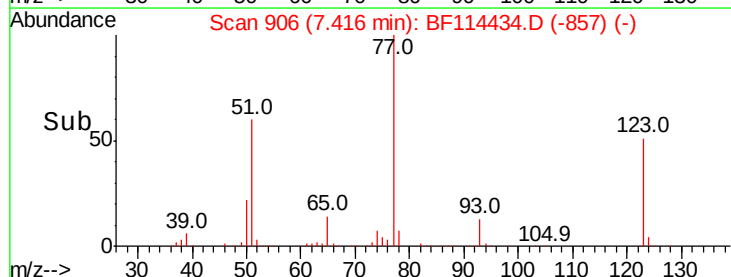
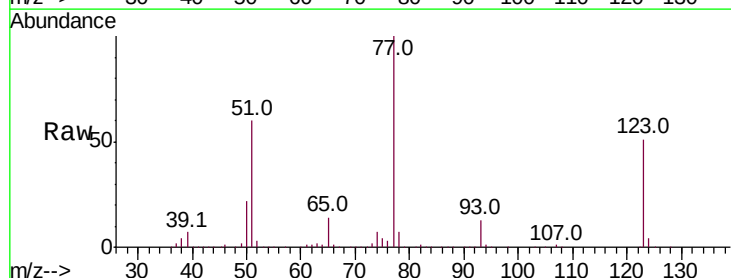
Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.5	53.3
54	56.8	48.5	72.7

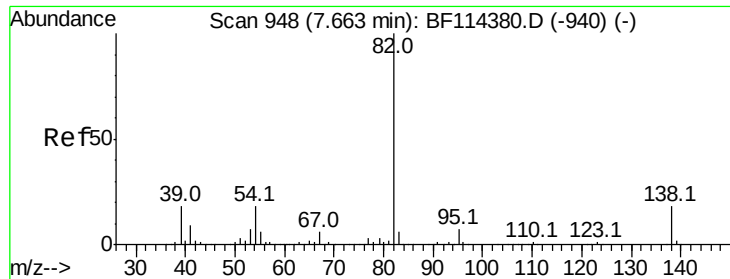


#24
 Nitrobenzene
 Concen: 47.943 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion: 77 Resp: 595157

Ion	Ratio	Lower	Upper
77	100		
123	50.9	36.9	55.3
65	14.0	11.8	17.6





#25

Isophorone

Concen: 47.300 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

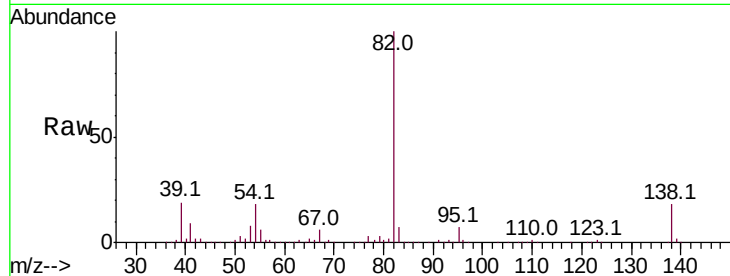
Tot Ion: 82 Resp: 1069177

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

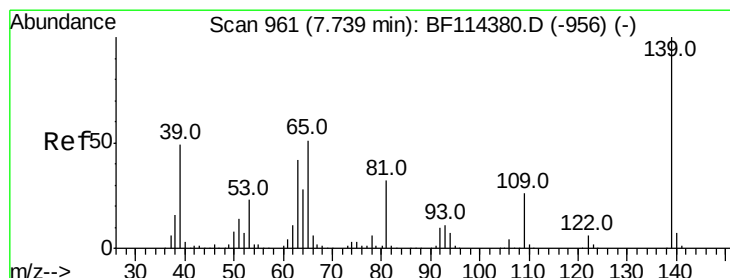
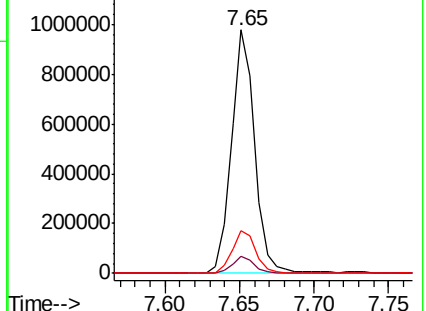
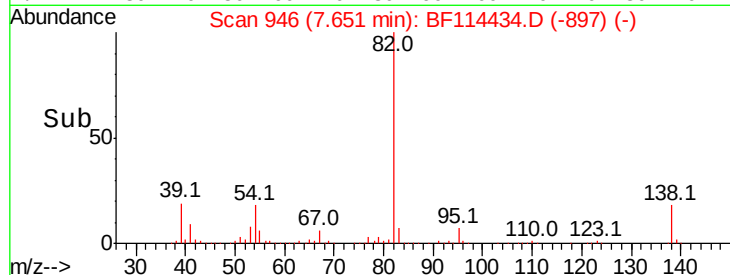
138 17.7 14.8 22.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 51.462 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

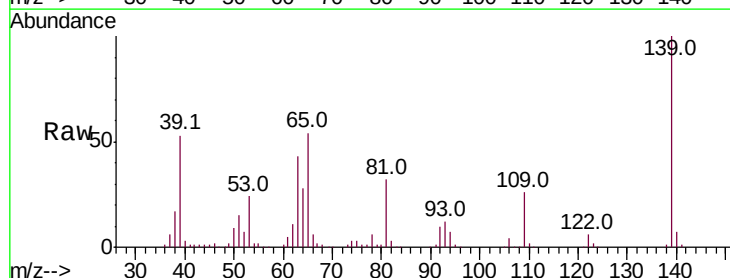
Tgt Ion: 139 Resp: 309943

Ion Ratio Lower Upper

139 100

109 26.0 20.7 31.1

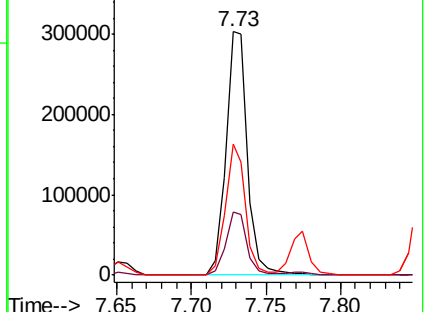
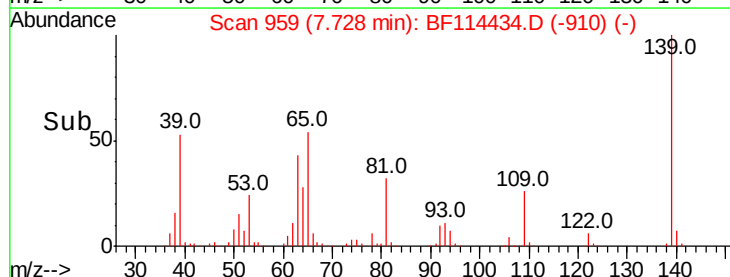
65 53.9 40.2 60.2

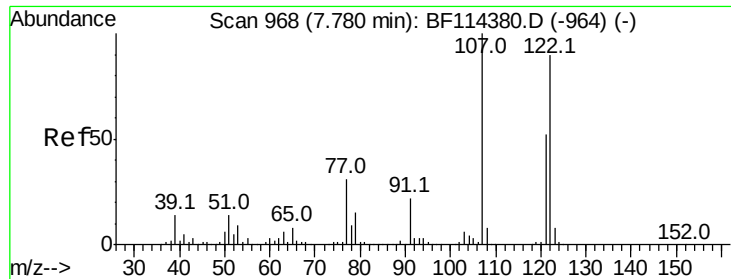


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

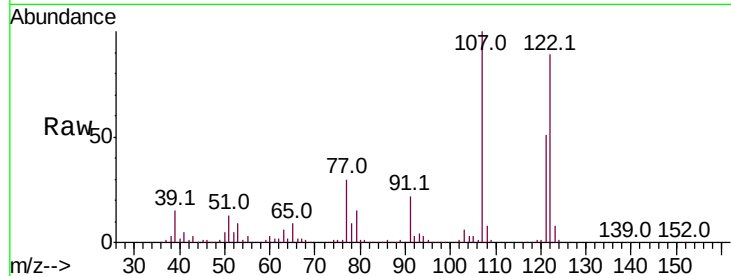




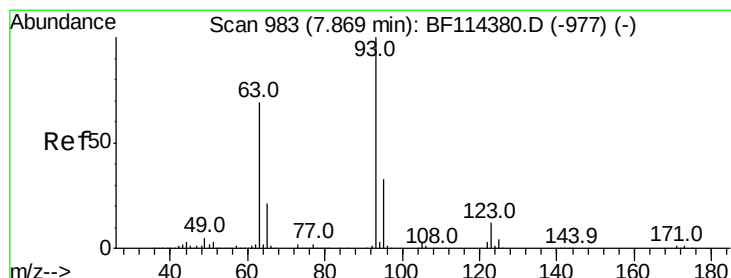
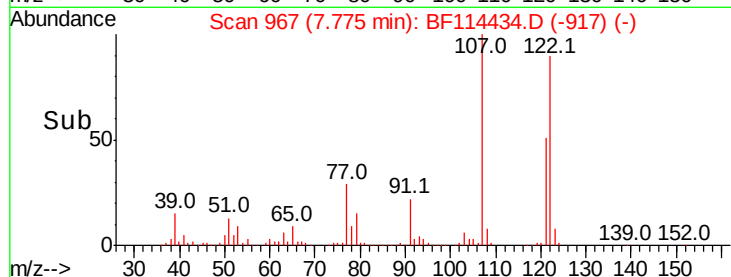
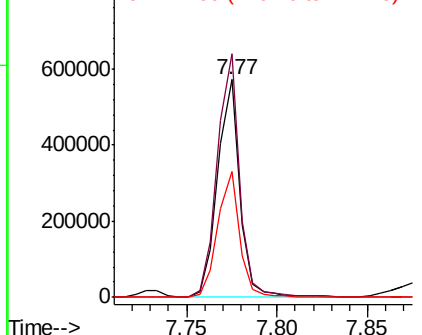
#27
2,4-Dimethylphenol
Concen: 51.645 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Instrument :
BNA_F
ClientSampleId :
GIS-5MSD

Tot Ion:122 Resp: 488523
Ion Ratio Lower Upper
122 100
107 111.8 88.4 132.6
121 57.5 45.9 68.9

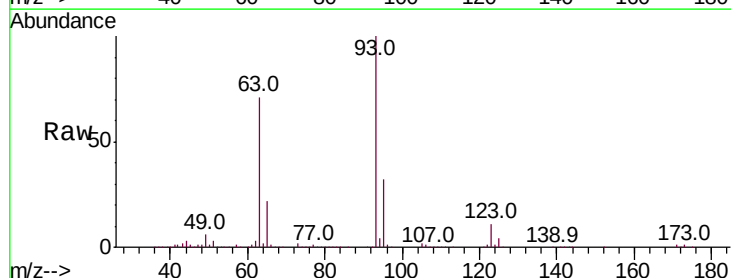


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

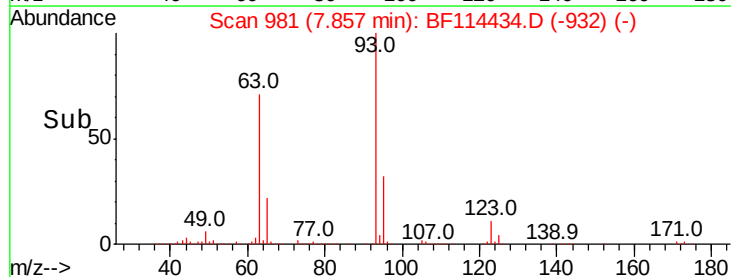
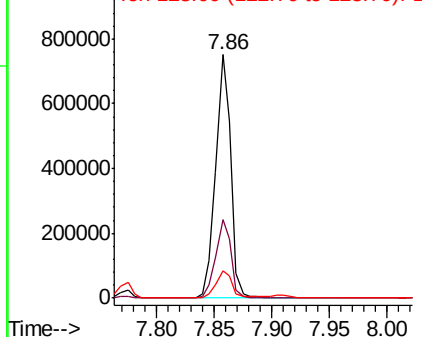


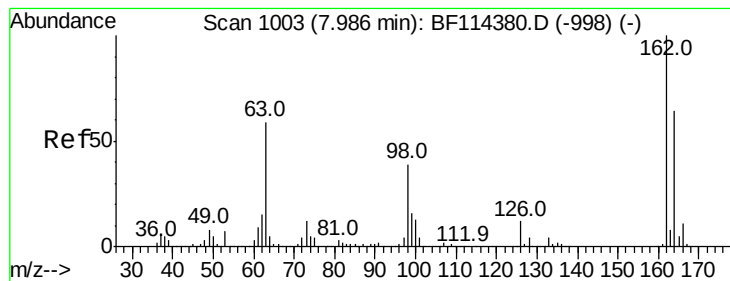
#28
bis(2-Chloroethoxy)methane
Concen: 46.551 ng
RT: 7.86 min Scan# 981
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Tgt Ion: 93 Resp: 682746
Ion Ratio Lower Upper
93 100
95 32.5 26.8 40.2
123 11.2 9.5 14.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 48.811 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

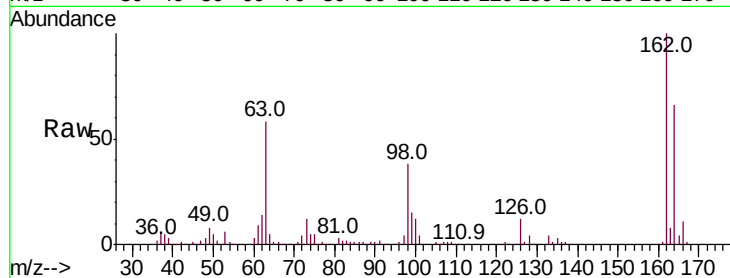
Tot Ion:162 Resp: 459755

Ion Ratio Lower Upper

162 100

164 66.1 43.6 83.6

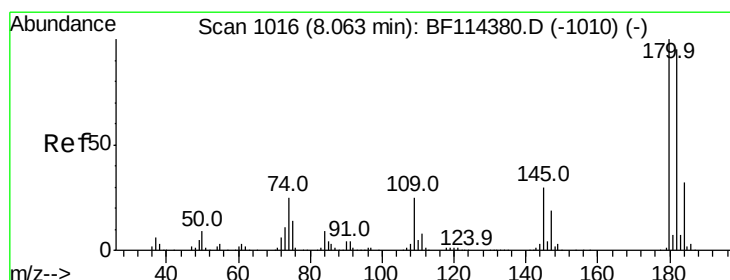
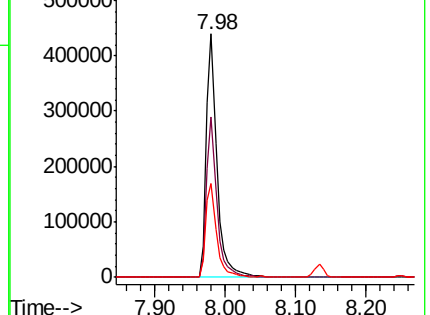
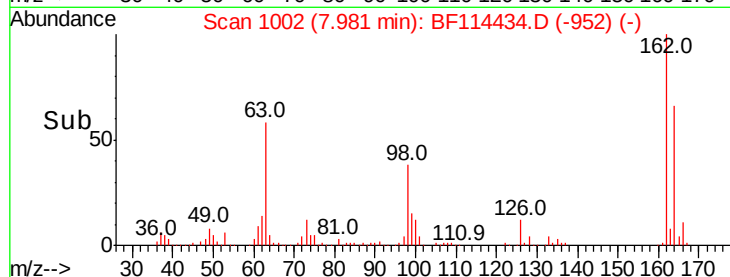
98 38.4 20.6 60.6



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: 45.715 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

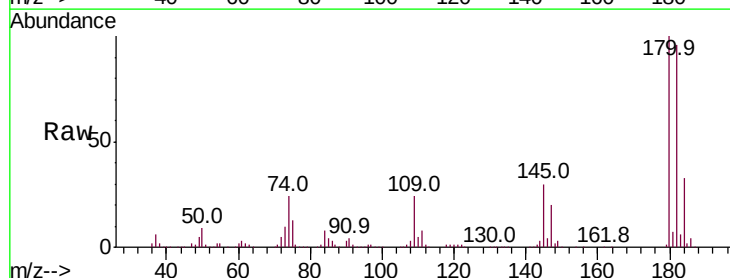
Tgt Ion:180 Resp: 489641

Ion Ratio Lower Upper

180 100

182 95.8 76.6 114.8

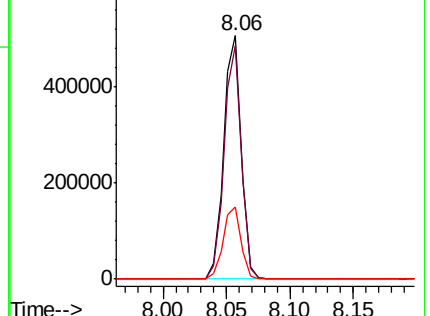
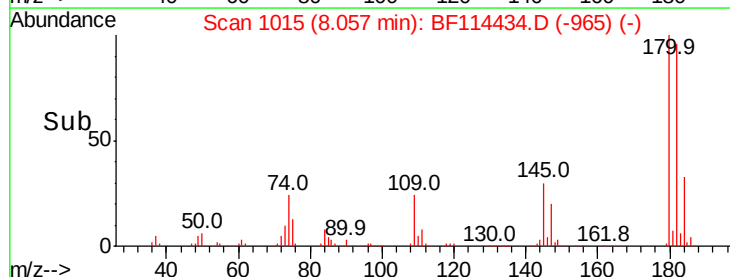
145 29.7 25.1 37.7

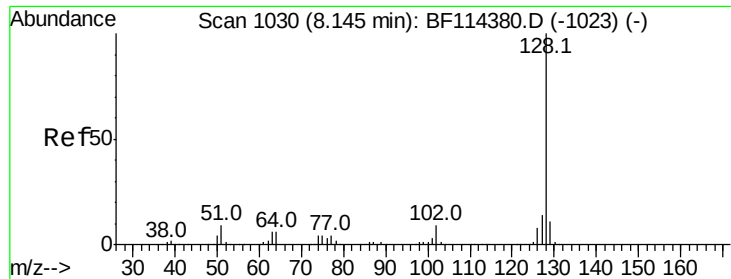


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

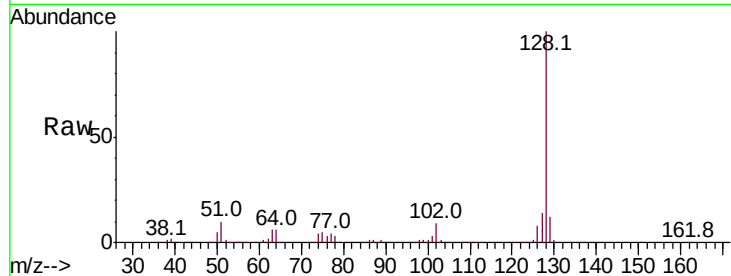




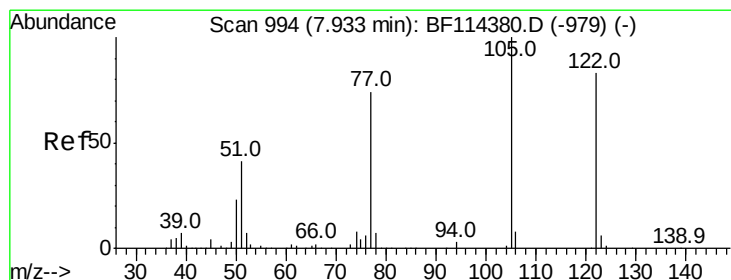
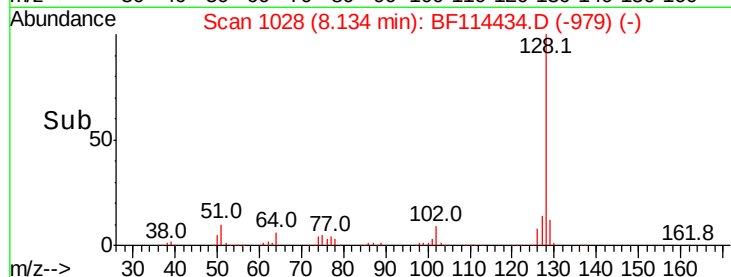
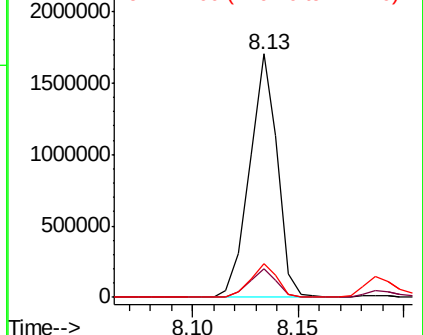
#31
Naphthalene
Concen: 48.562 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Instrument :
BNA_F
ClientSampleId :
GIS-5MSD

Tot Ion:128 Resp: 1551618
Ion Ratio Lower Upper
128 100
129 11.5 9.6 14.4
127 13.6 11.3 16.9

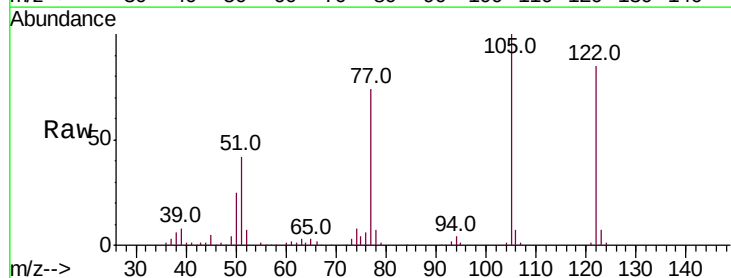


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

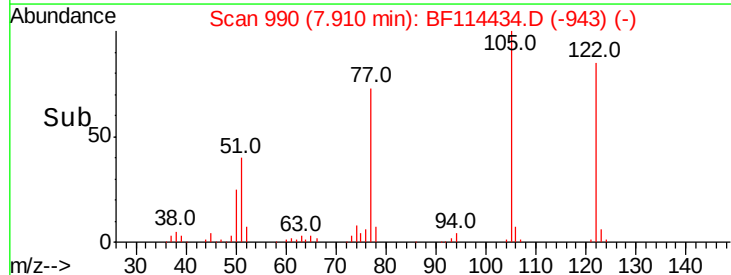
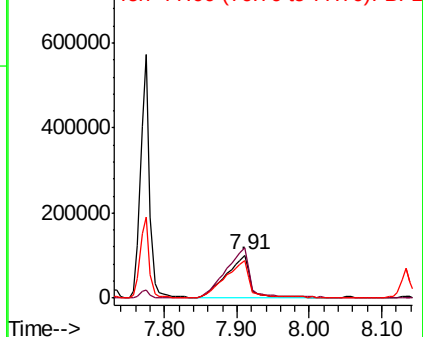


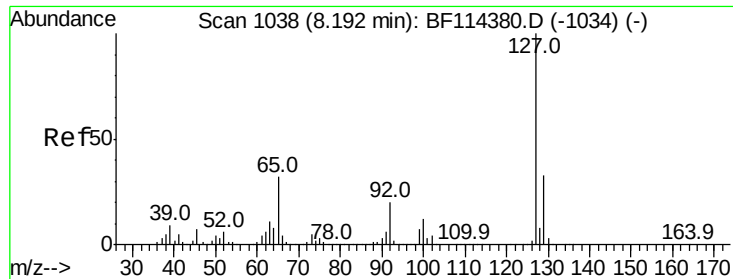
#32
Benzoic acid
Concen: 36.569 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.02 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Tgt Ion:122 Resp: 233441
Ion Ratio Lower Upper
122 100
105 117.1 99.9 139.9
77 87.1 69.4 109.4



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

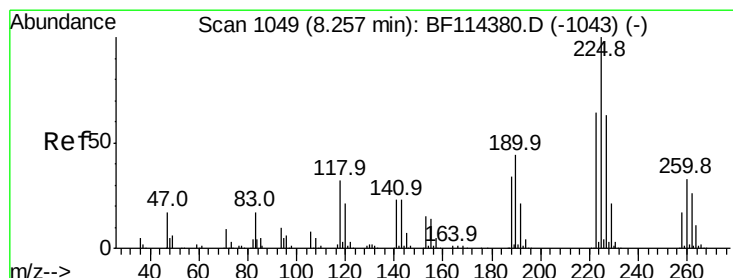
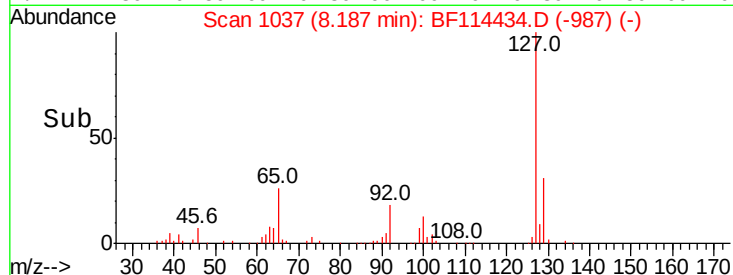
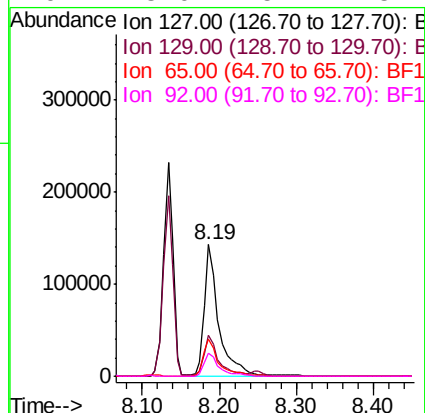
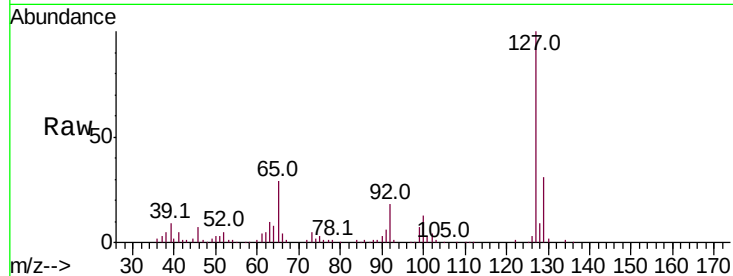




#33
4-Chloroaniline
Concen: 13.070 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

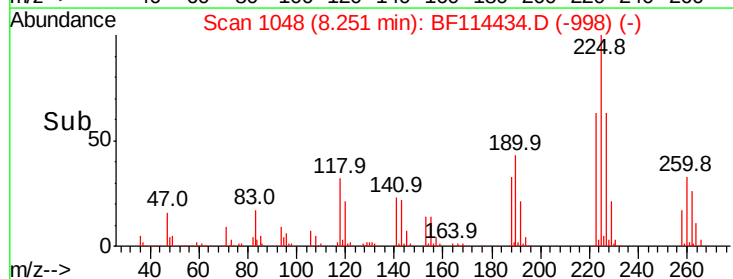
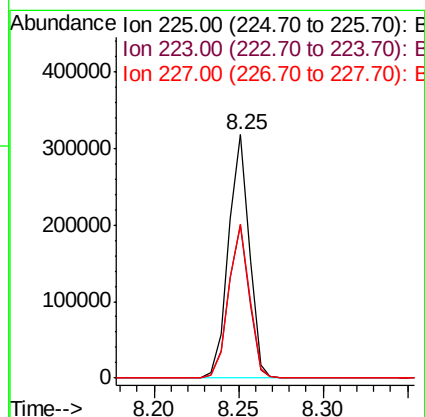
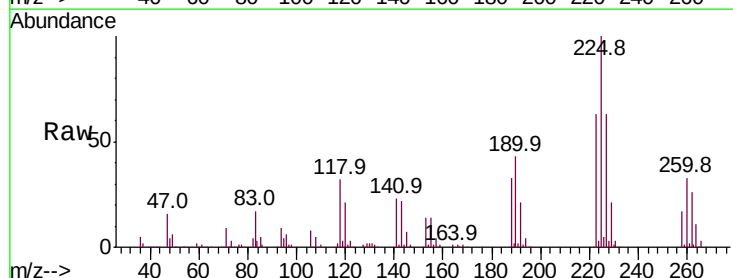
Instrument :
BNA_F
ClientSampleId :
GIS-5MSD

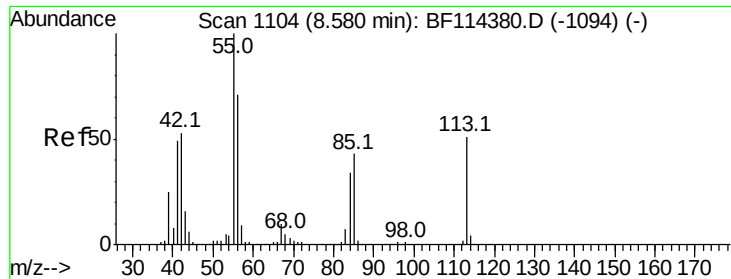
Tot Ion:	127	Resp:	190295
Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.7	40.1
65	28.7	25.4	38.0
92	18.0	15.4	23.2



#34
Hexachlorobutadiene
Concen: 44.315 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Tgt Ion:	225	Resp:	270068
Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	63.3	52.6	79.0

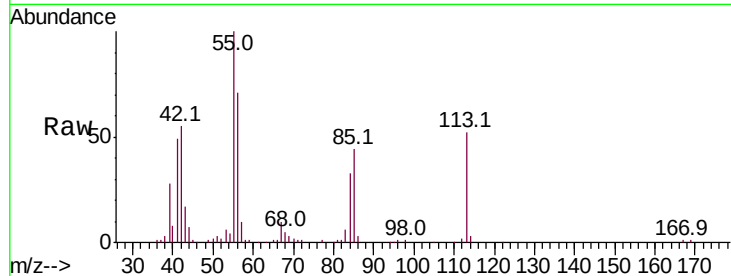




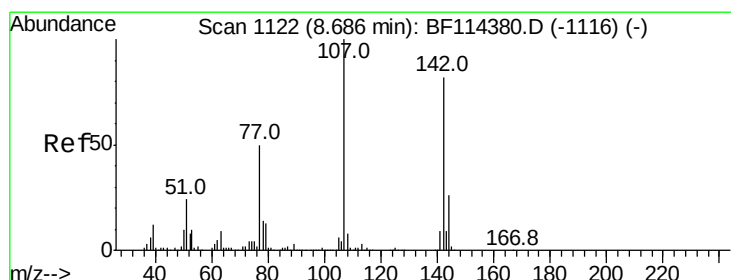
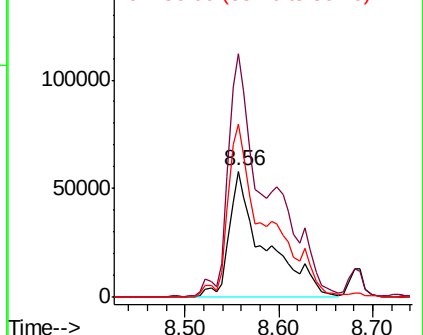
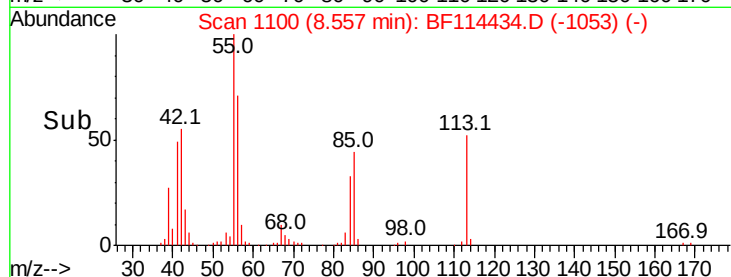
#35
 Caprolactam
 Concen: 49.720 ng
 RT: 8.56 min Scan# 1100
 Delta R.T. -0.02 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

Tot Ion:113 Resp: 152708
 Ion Ratio Lower Upper
 113 100
 55 193.0 183.5 223.5
 56 137.0 128.8 168.8

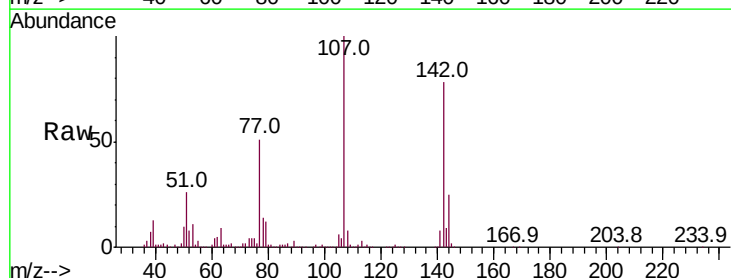


Abundance Ion 113.00 (112.70 to 113.70): E
 150000 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

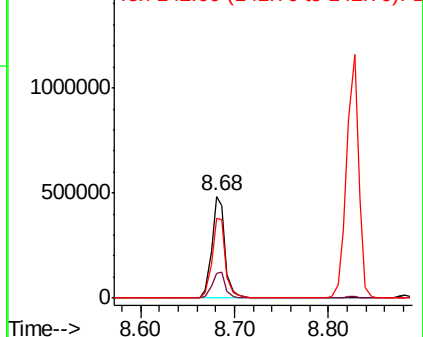
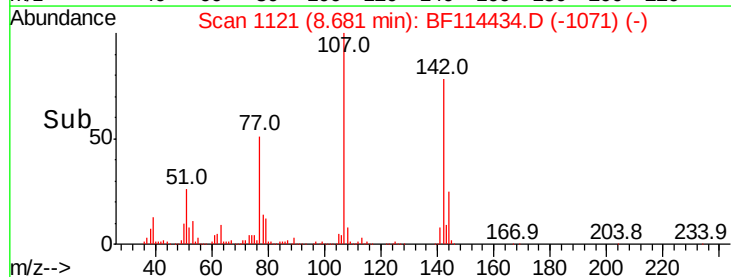


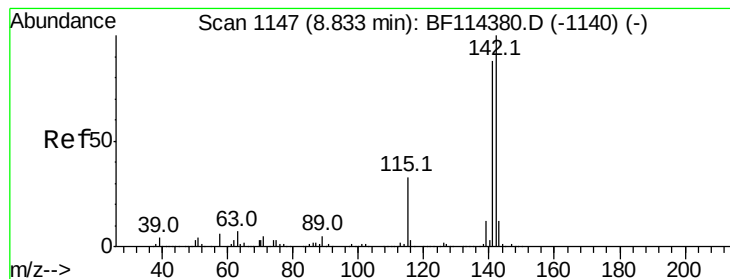
#36
 4-Chloro-3-methylphenol
 Concen: 51.249 ng
 RT: 8.68 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion:107 Resp: 485903
 Ion Ratio Lower Upper
 107 100
 144 24.7 20.4 30.6
 142 78.5 64.2 96.4



Abundance Ion 107.00 (106.70 to 107.70): E
 1500000 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 50.494 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

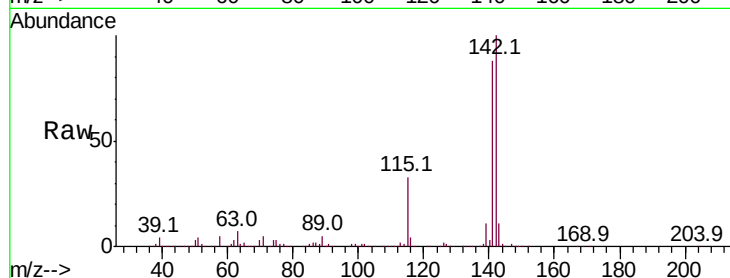
Tot Ion:142 Resp: 1040907

Ion Ratio Lower Upper

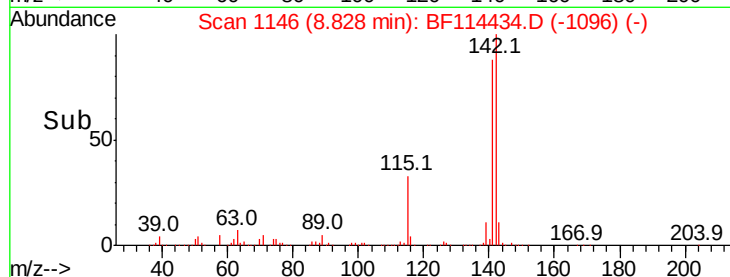
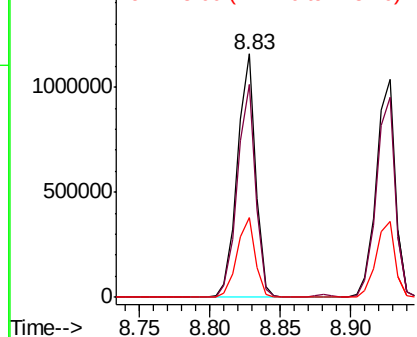
142 100

141 87.6 72.1 108.1

115 32.7 28.0 42.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 50.164 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

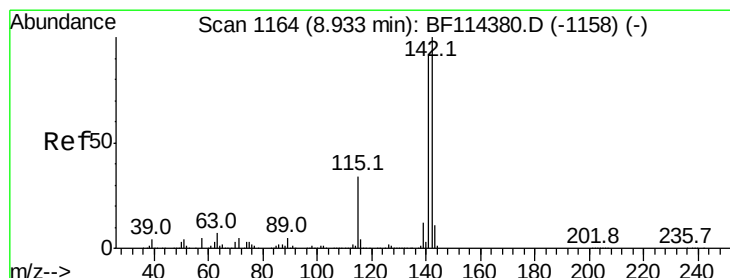
Tgt Ion:142 Resp: 973837

Ion Ratio Lower Upper

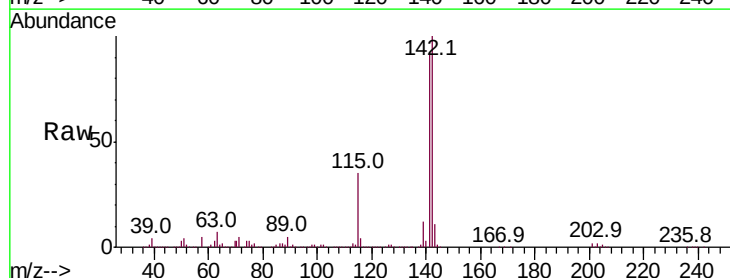
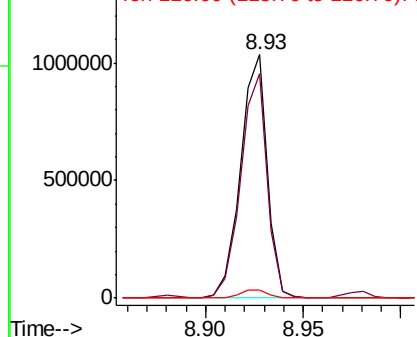
142 100

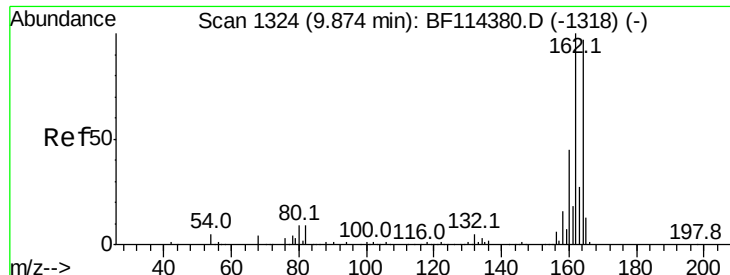
141 92.0 73.4 110.0

116 3.5 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

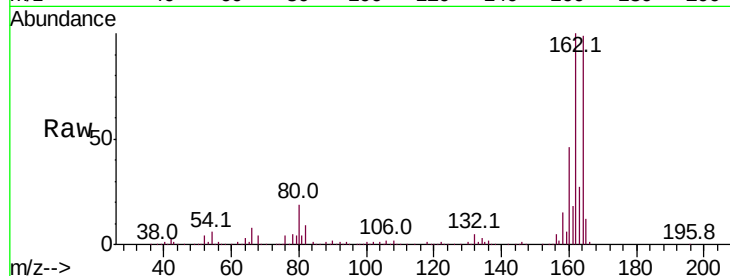




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.6	120.8
160	46.2	36.5	54.7

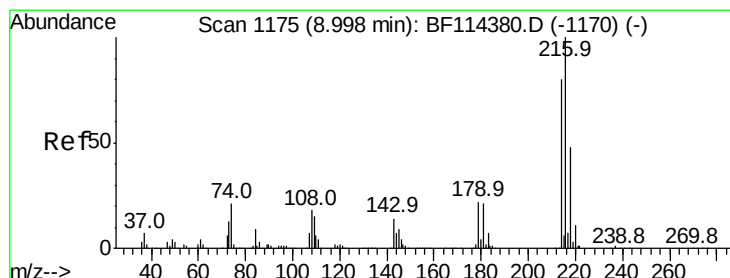
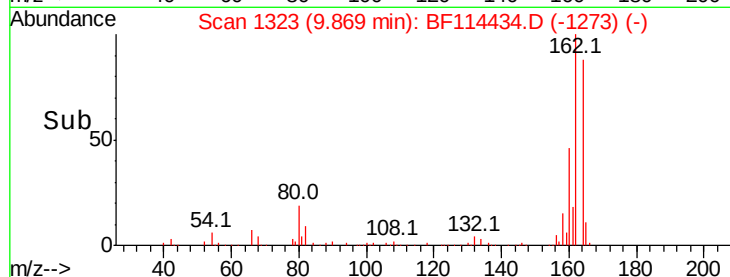
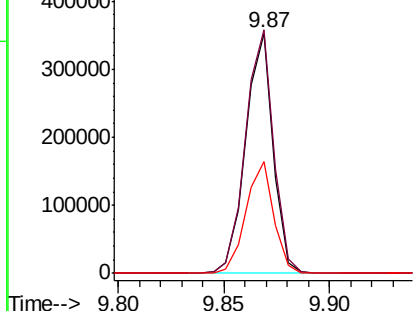


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 49.184 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.9	95.9
179	21.1	17.0	25.6
108	18.3	14.8	22.2

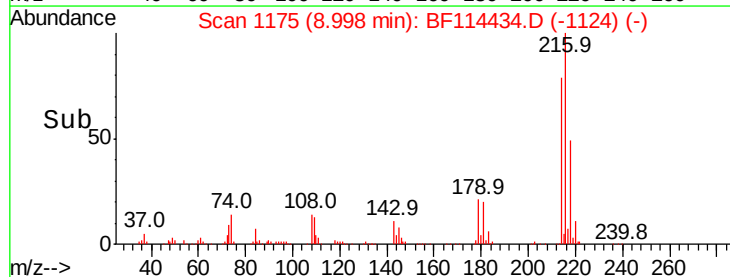
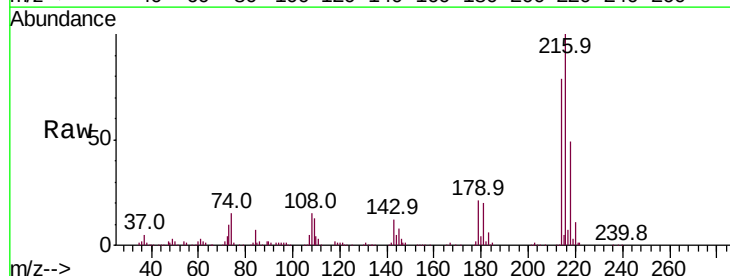
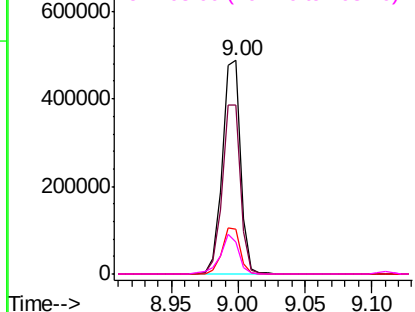
Abundance

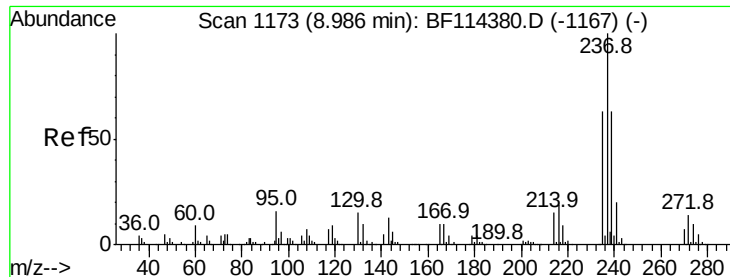
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 42.121 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

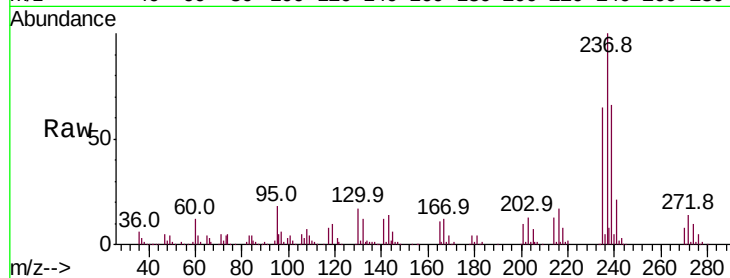
Tot Ion:237 Resp: 178471

Ion Ratio Lower Upper

237 100

235 64.9 42.0 82.0

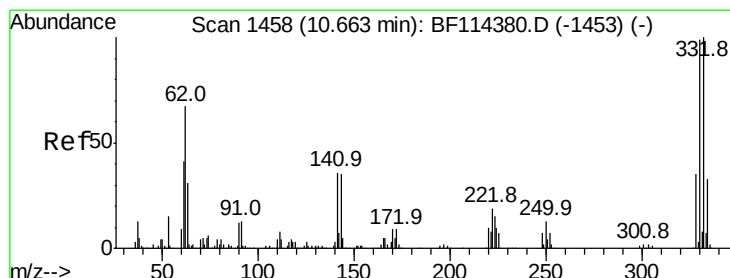
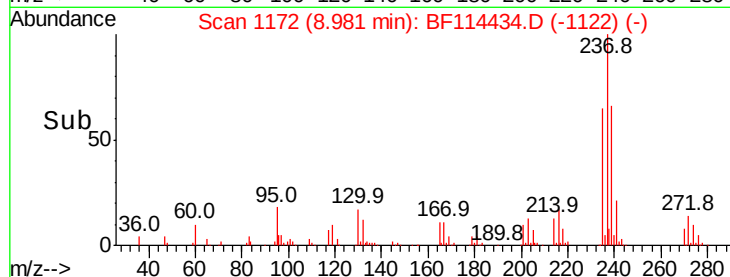
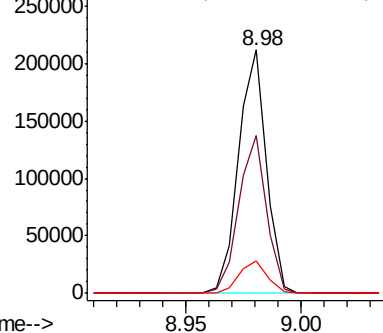
272 13.5 0.0 32.4



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 127.682 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

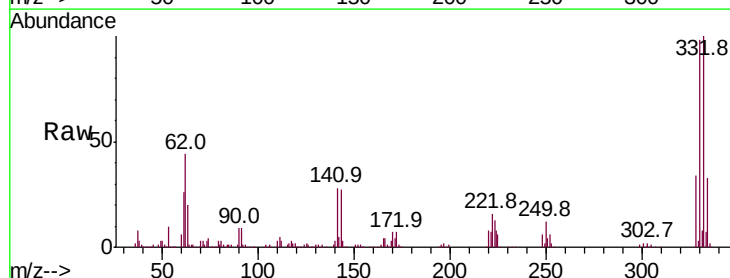
Tgt Ion:330 Resp: 417789

Ion Ratio Lower Upper

330 100

332 101.2 81.4 122.2

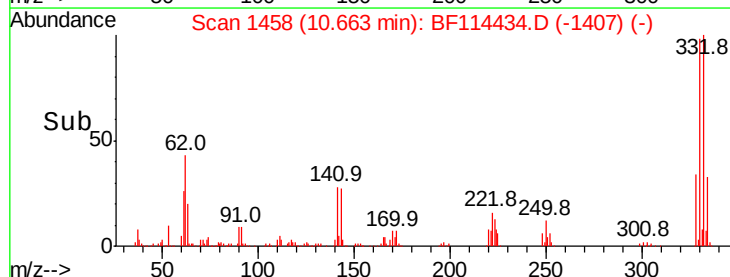
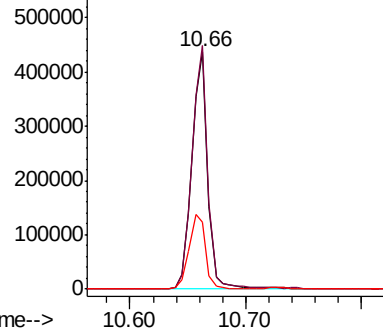
141 33.0 26.6 40.0

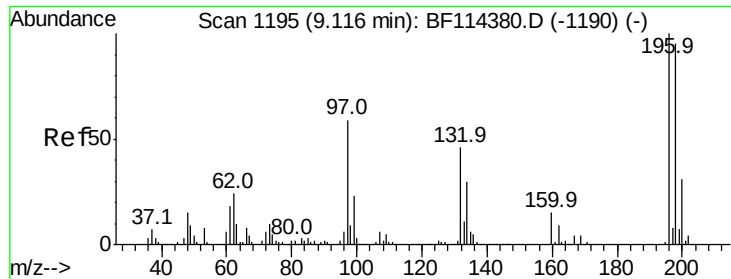


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

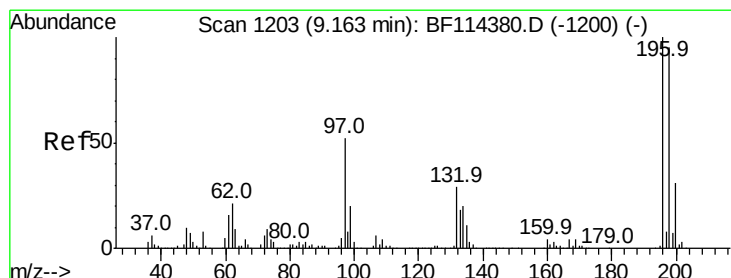
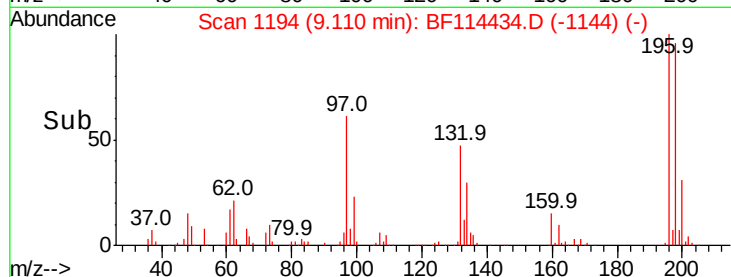
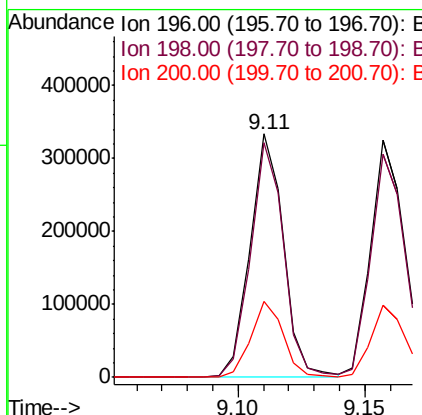
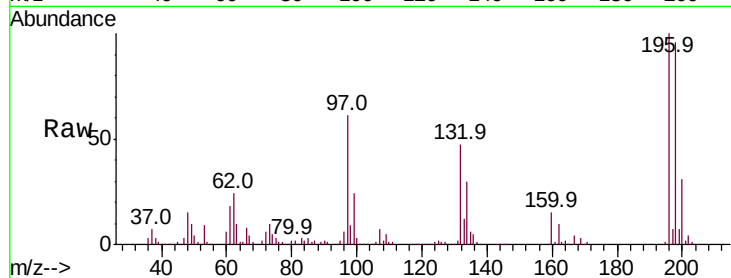




#43
 2,4,6-Trichlorophenol
 Concen: 46.552 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

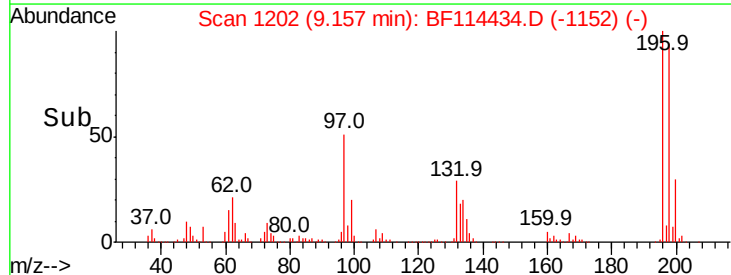
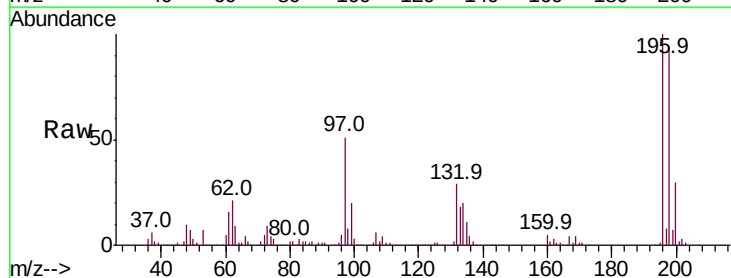
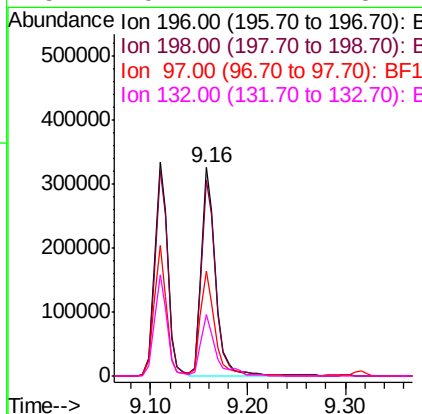
Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

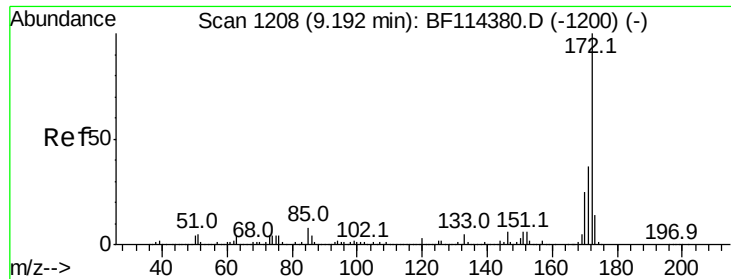
Tot Ion	Ratio	Lower	Upper
196	100		
198	96.5	75.9	113.9
200	31.2	23.5	35.3



#44
 2,4,5-Trichlorophenol
 Concen: 48.583 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.9	77.7	116.5
97	50.7	38.2	57.2
132	29.4	21.4	32.2

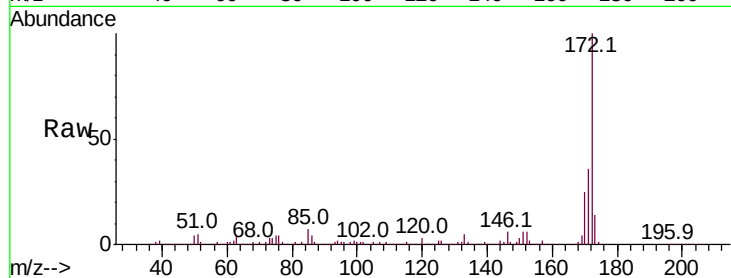




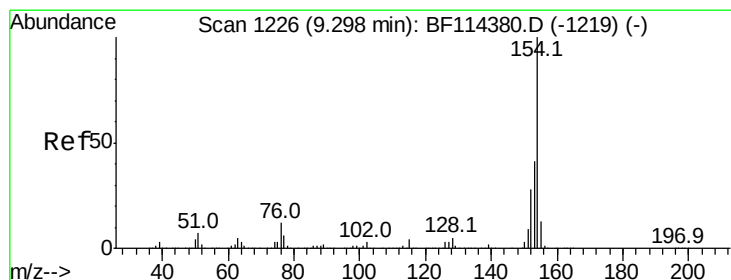
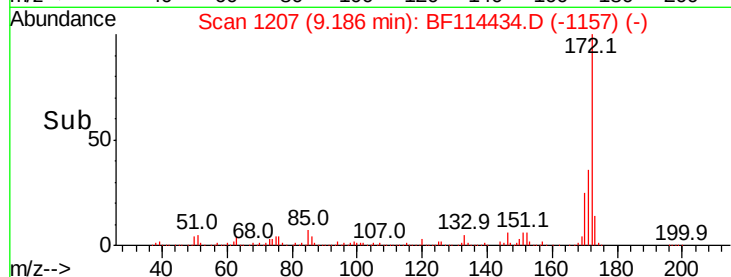
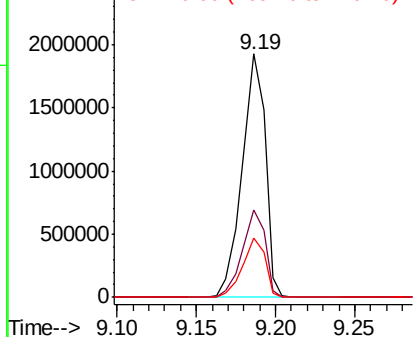
#45
2-Fluorobiphenyl
Concen: 93.290 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Instrument :
BNA_F
ClientSampleId :
GIS-5MSD

Tot Ion:172 Resp: 1951963
Ion Ratio Lower Upper
172 100
171 36.2 30.7 46.1
170 24.5 20.5 30.7

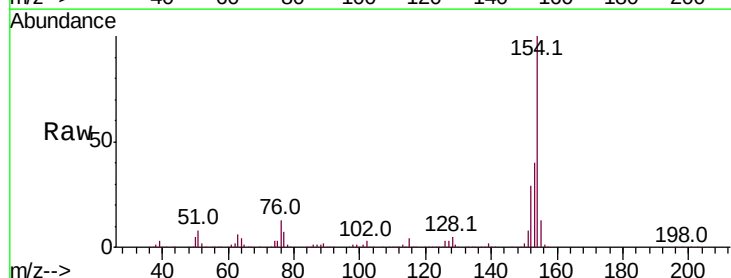


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

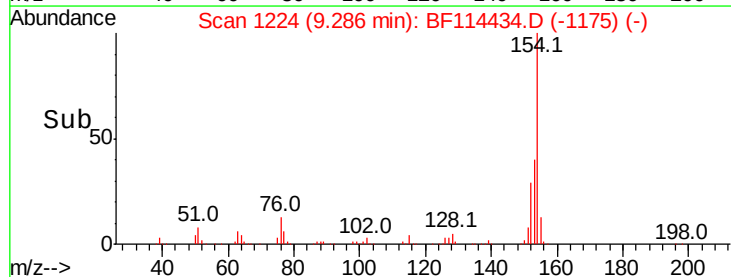
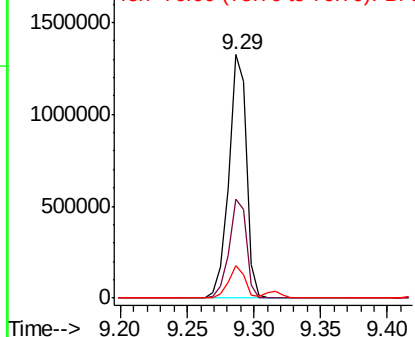


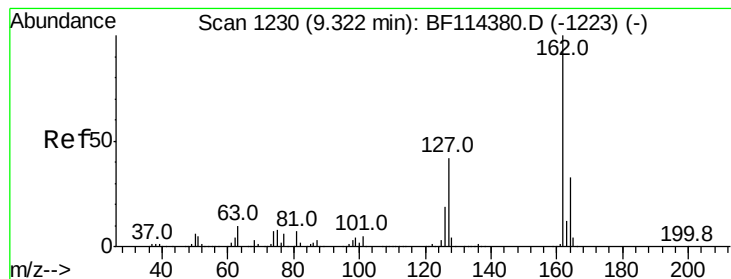
#46
1,1'-Biphenyl
Concen: 48.444 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Tgt Ion:154 Resp: 1238684
Ion Ratio Lower Upper
154 100
153 40.4 21.9 61.9
76 13.3 0.0 32.8



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: 46.325 ng

RT: 9.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampled :

GIS-5MSD

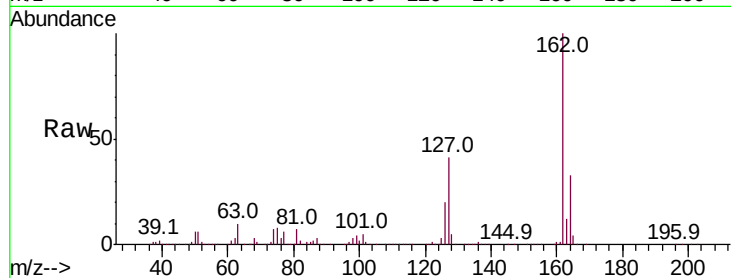
Tot Ion:162 Resp: 953274

Ion Ratio Lower Upper

162 100

127 41.4 34.0 51.0

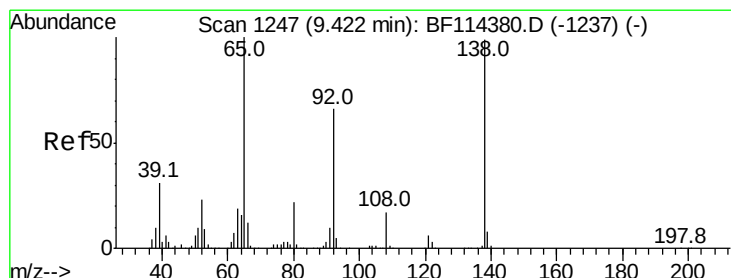
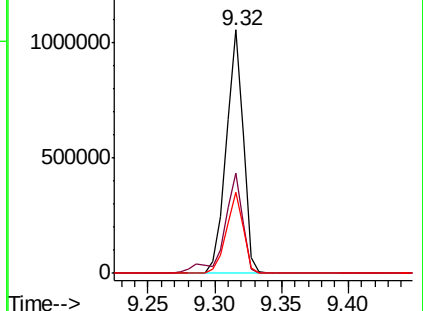
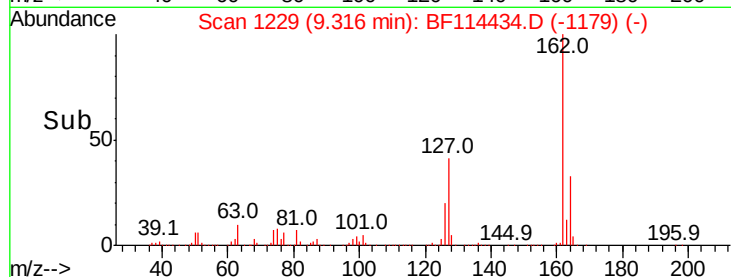
164 33.2 26.7 40.1



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: 45.537 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

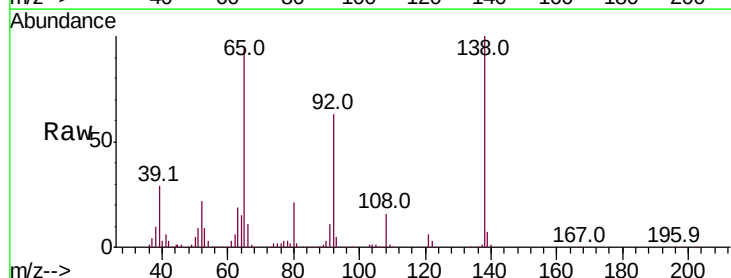
Tgt Ion: 65 Resp: 332322

Ion Ratio Lower Upper

65 100

92 67.3 53.9 80.9

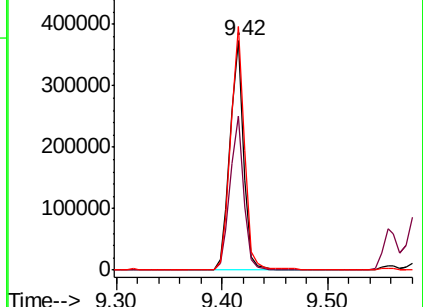
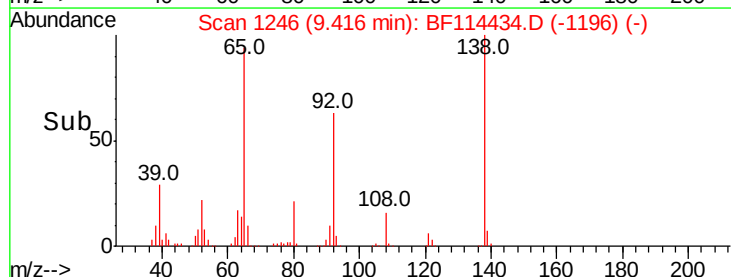
138 106.2 81.4 122.0

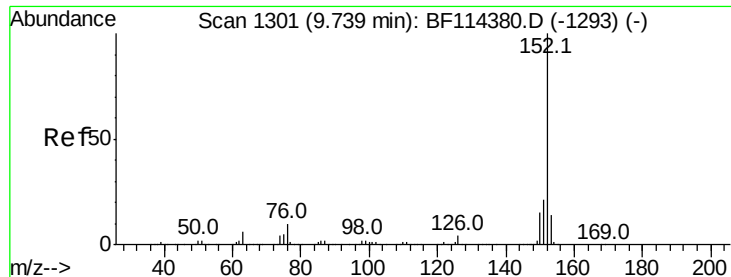


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 47.994 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

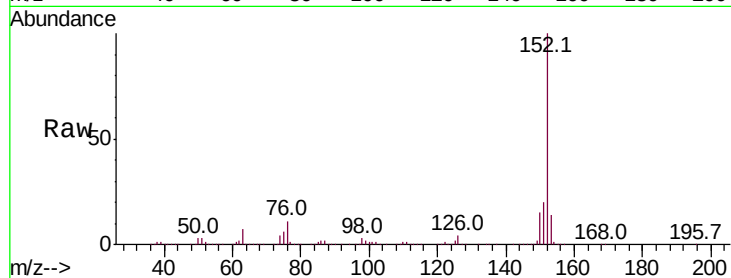
Tot Ion:152 Resp: 1502100

Ion Ratio Lower Upper

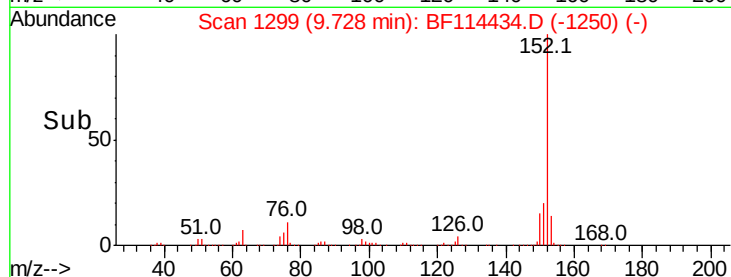
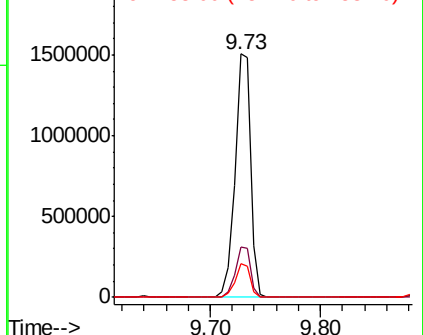
152 100

151 20.5 16.8 25.2

153 14.0 11.4 17.2



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: 59.329 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

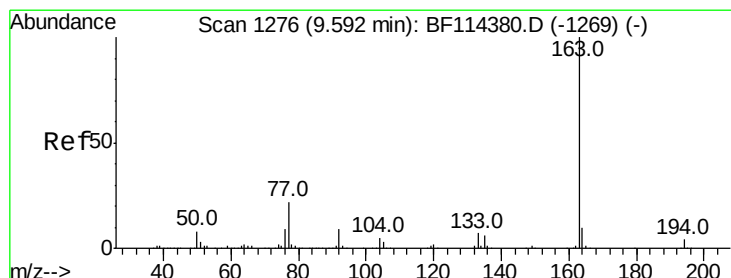
Tgt Ion:163 Resp: 1378464

Ion Ratio Lower Upper

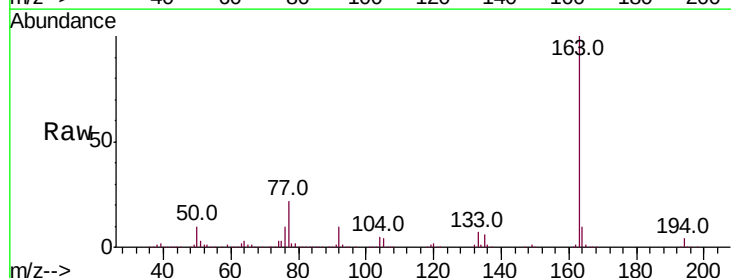
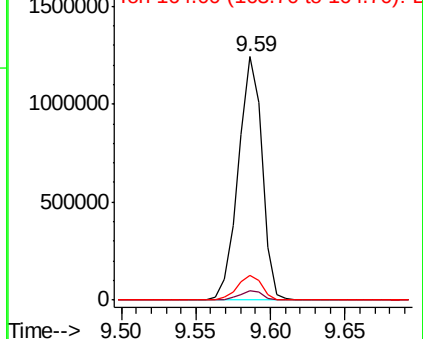
163 100

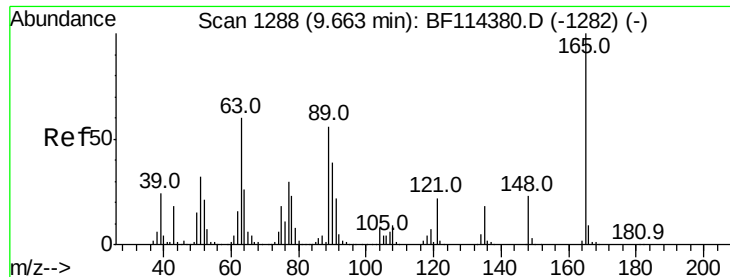
194 4.0 3.4 5.0

164 10.3 8.2 12.2



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

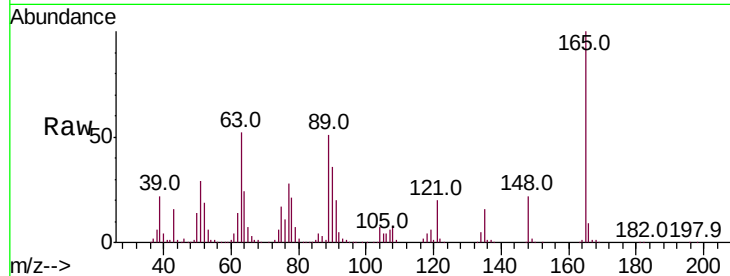




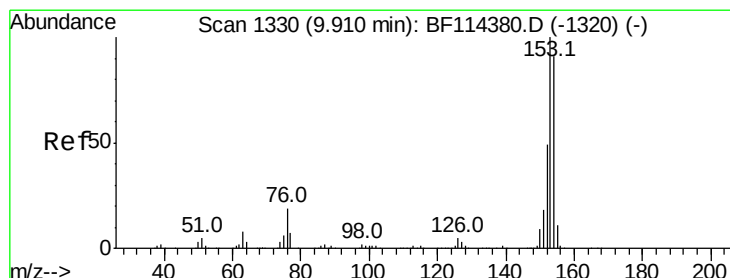
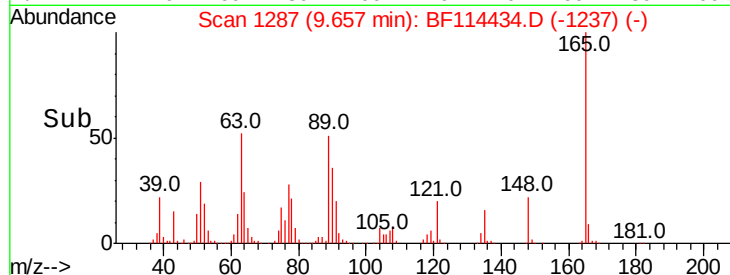
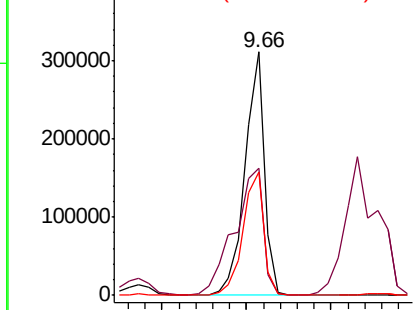
#51
 2,6-Dinitrotoluene
 Concen: 48.766 ng
 RT: 9.66 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

Tot Ion:165 Resp: 251306
 Ion Ratio Lower Upper
 165 100
 63 52.5 50.2 75.4
 89 50.6 46.6 69.8

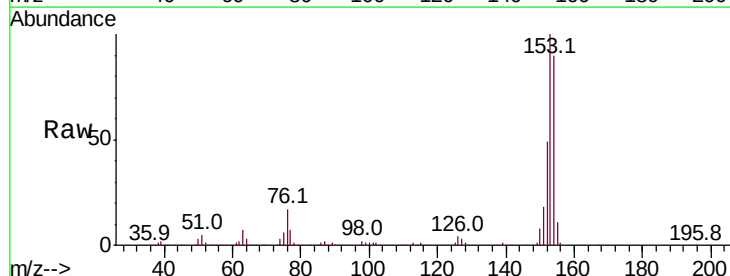


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

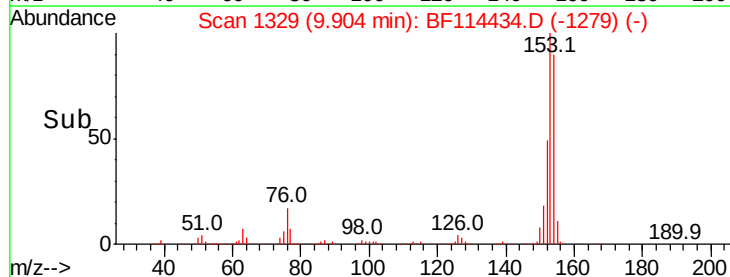
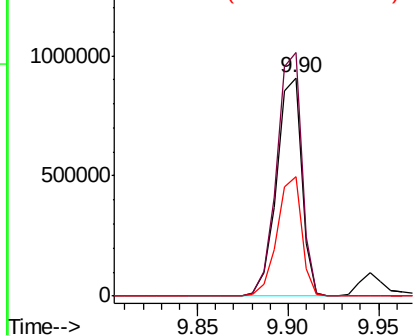


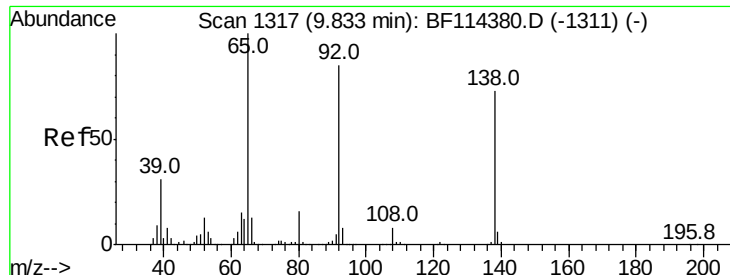
#52
 Acenaphthene
 Concen: 45.604 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion:154 Resp: 875855
 Ion Ratio Lower Upper
 154 100
 153 111.4 90.5 135.7
 152 54.6 43.4 65.2



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

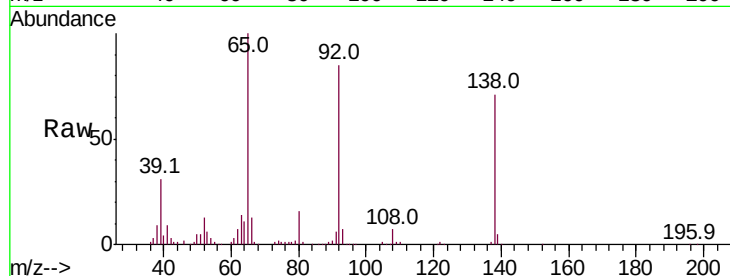




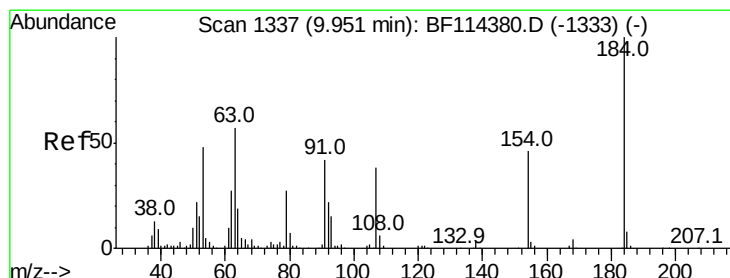
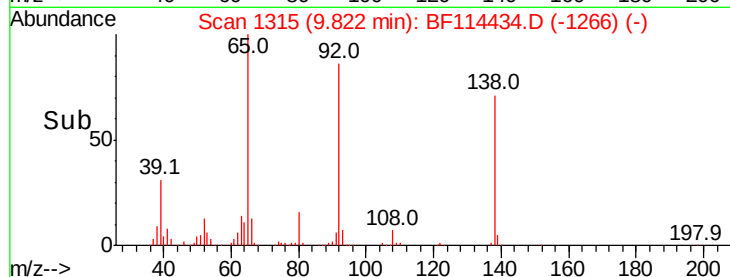
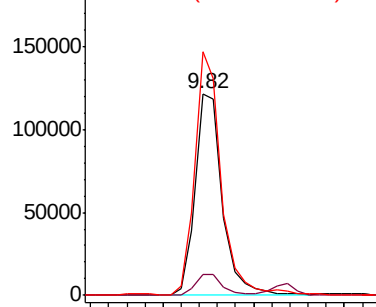
#53
3-Nitroaniline
Concen: 19.993 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Instrument :
BNA_F
ClientSampleId :
GIS-5MSD

Tot Ion:138 Resp: 127898
Ion Ratio Lower Upper
138 100
108 10.6 7.8 11.6
92 120.8 91.2 136.8

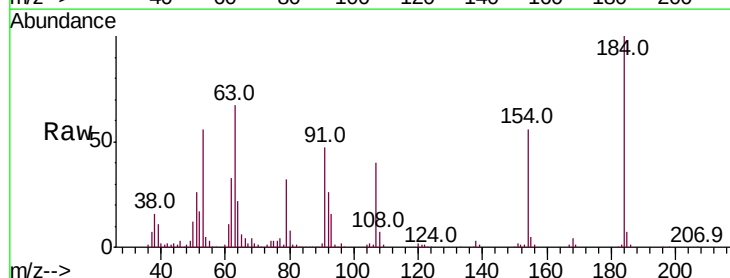


Abundance Ion 138.00 (137.70 to 138.70): E
200000 Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

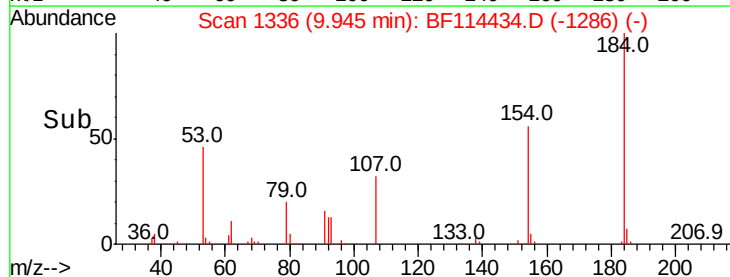
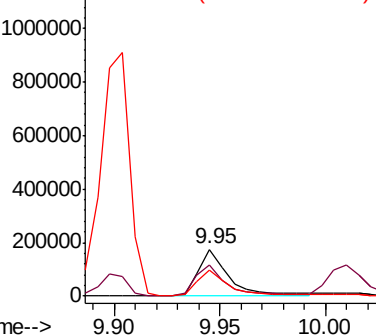


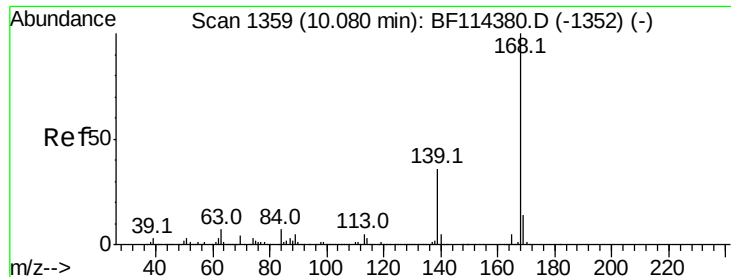
#54
2,4-Dinitrophenol
Concen: 68.865 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Tgt Ion:184 Resp: 175792
Ion Ratio Lower Upper
184 100
63 66.5 55.6 83.4
154 55.6 46.0 69.0



Abundance Ion 184.00 (183.70 to 184.70): E
1200000 Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

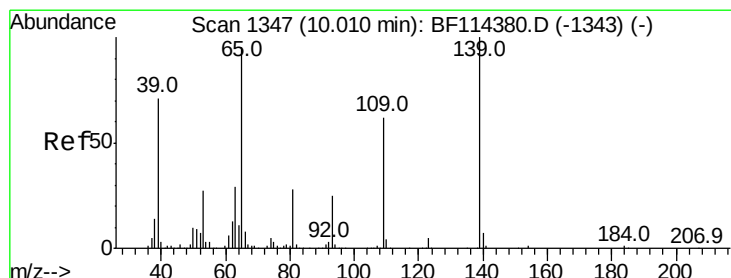
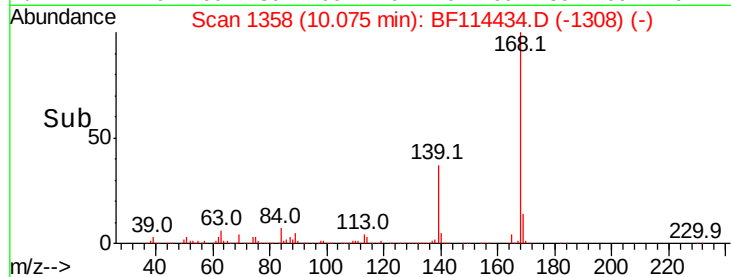
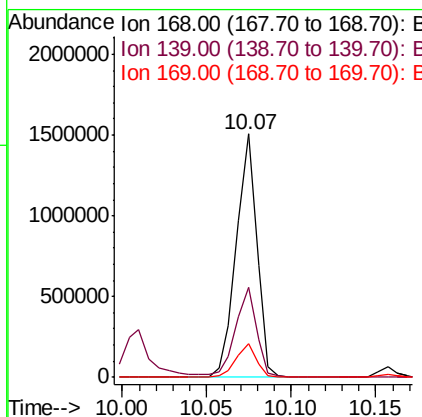
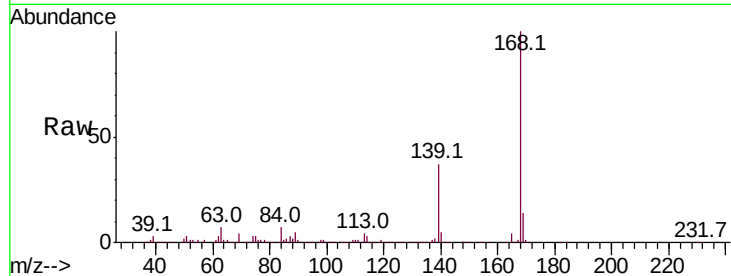




#55
 Dibenzofuran
 Concen: 45.492 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

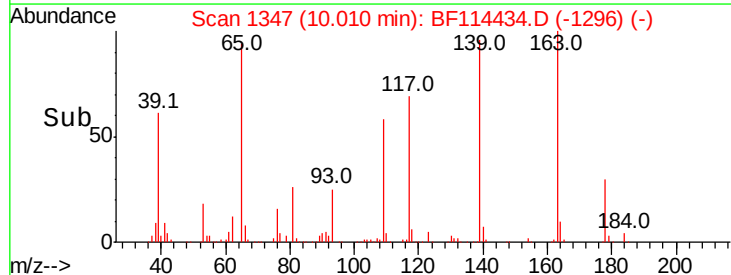
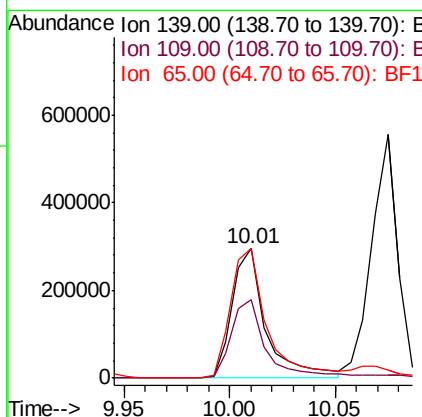
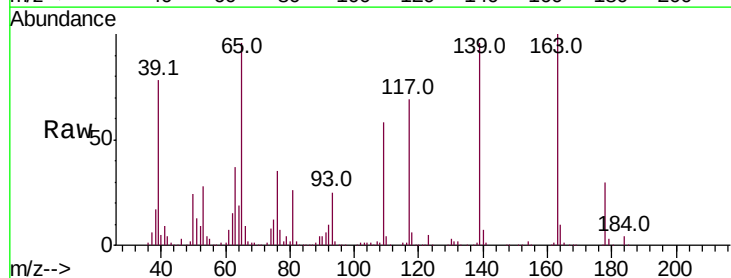
Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

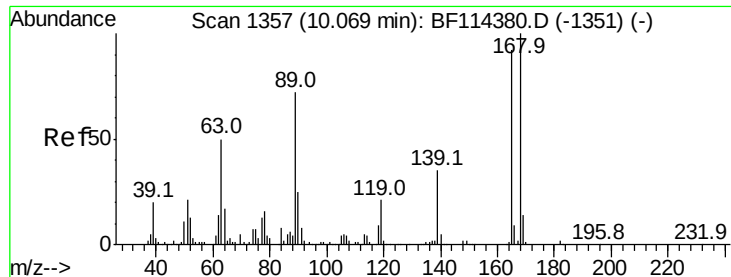
Tot Ion:168 Resp: 1281159
 Ion Ratio Lower Upper
 168 100
 139 36.9 31.1 46.7
 169 13.8 11.4 17.0



#56
 4-Nitrophenol
 Concen: 72.100 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion:139 Resp: 326176
 Ion Ratio Lower Upper
 139 100
 109 60.7 43.9 83.9
 65 100.2 85.7 125.7





#57

2,4-Dinitrotoluene

Concen: 45.281 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

Tot Ion:165 Resp: 316721

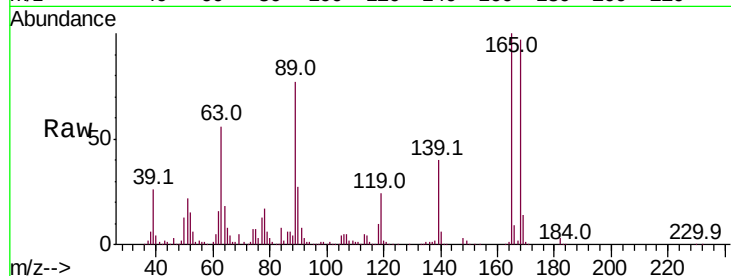
Ion Ratio Lower Upper

165 100

63 55.8 35.5 53.3#

89 76.9 55.2 82.8

182 2.5 2.2 3.2

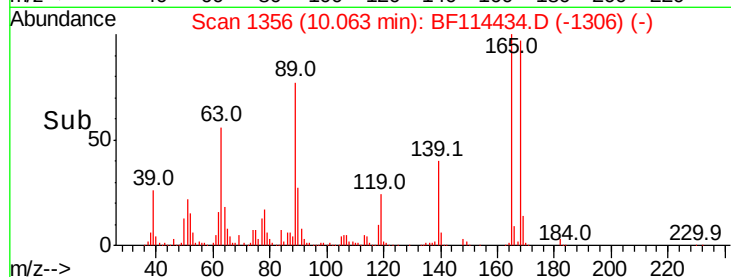


Abundance Ion 165.00 (164.70 to 165.70): E

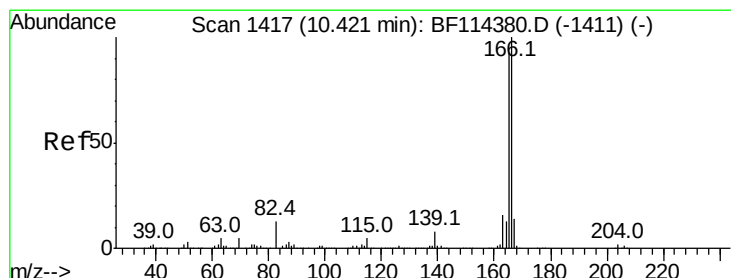
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#58

Fluorene

Concen: 47.287 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

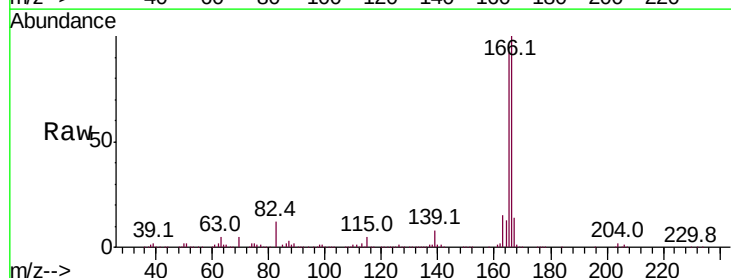
Tgt Ion:166 Resp: 1028631

Ion Ratio Lower Upper

166 100

165 92.0 76.1 114.1

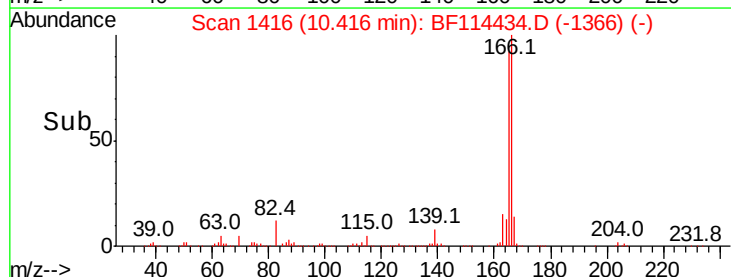
167 13.7 11.1 16.7



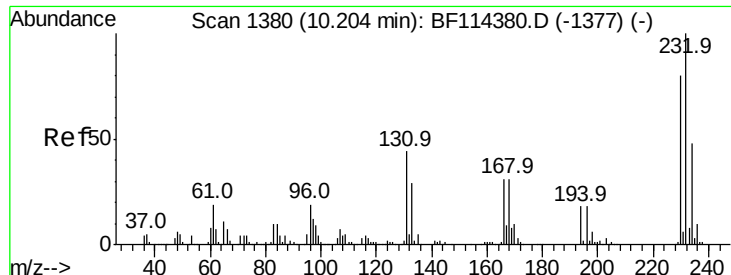
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



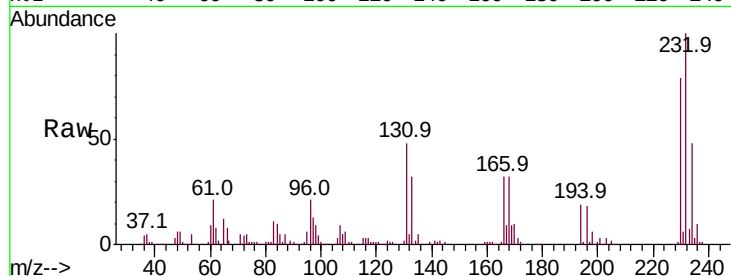
Time-->



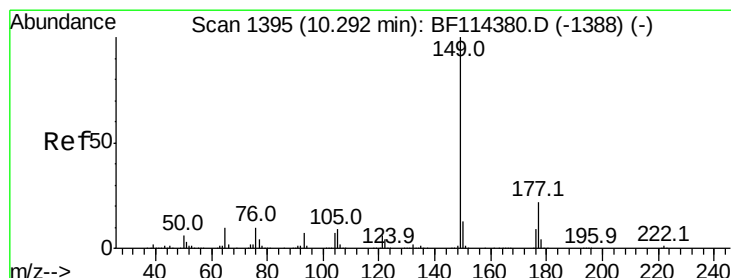
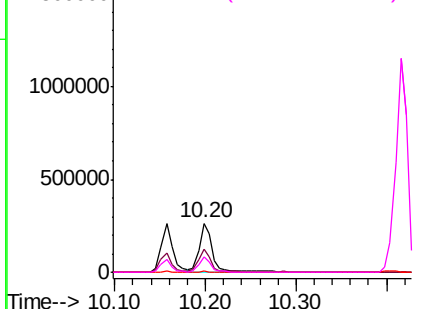
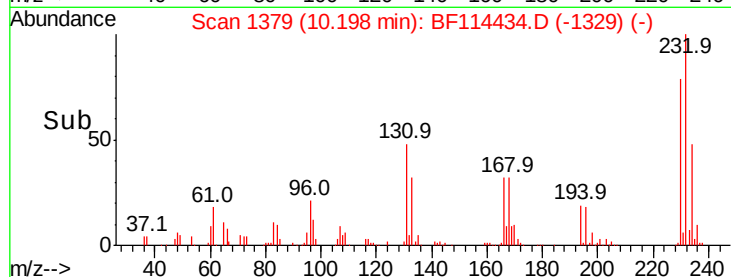
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.763 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

Tot Ion:	232	Resp:	272885
Ion	Ratio	Lower	Upper
232	100		
131	43.2	35.6	53.4
130	2.1	1.6	2.4
166	28.9	24.1	36.1

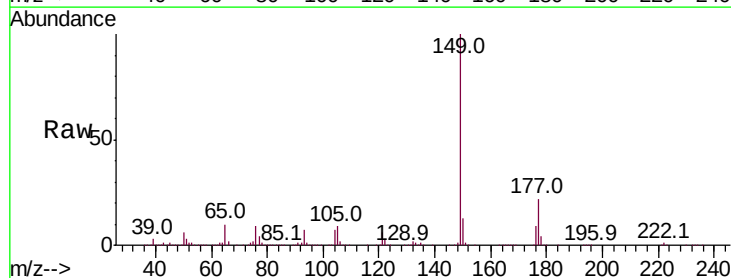


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

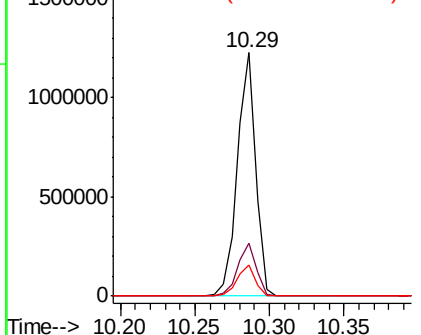
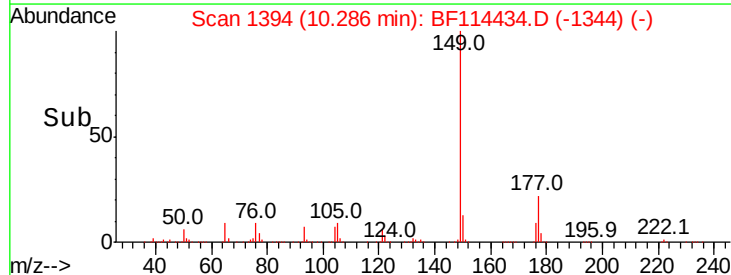


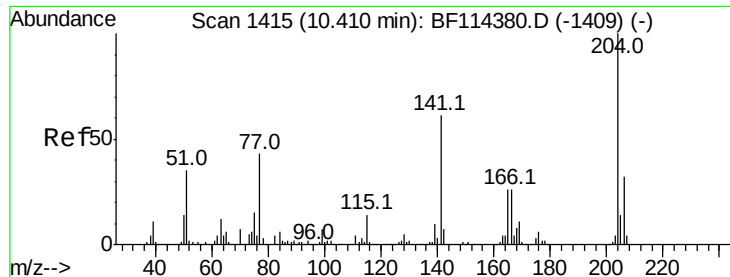
#60
 Diethylphthalate
 Concen: 44.849 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion:	149	Resp:	1058780
Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.8	26.6
150	12.8	10.2	15.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

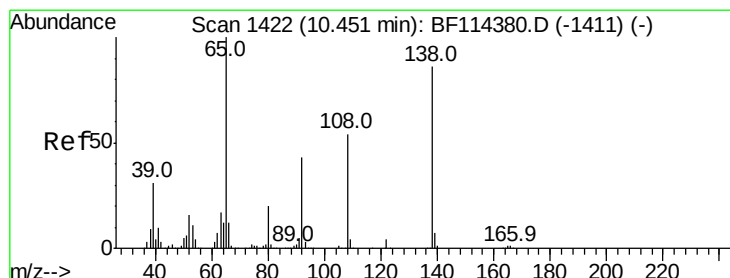
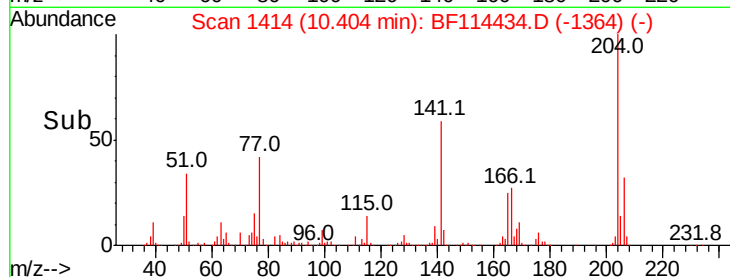
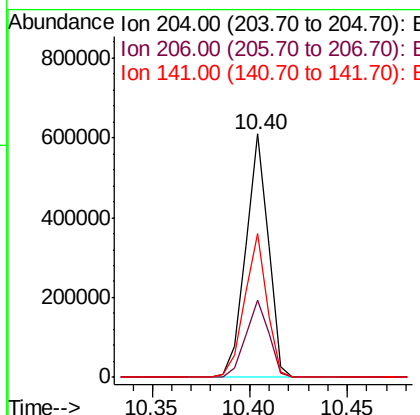
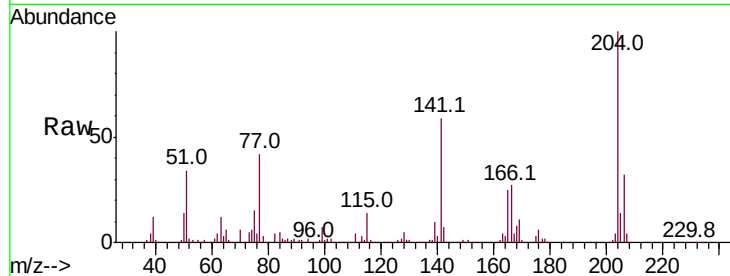




#61
 4-Chlorophenyl-phenylether
 Concen: 45.785 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

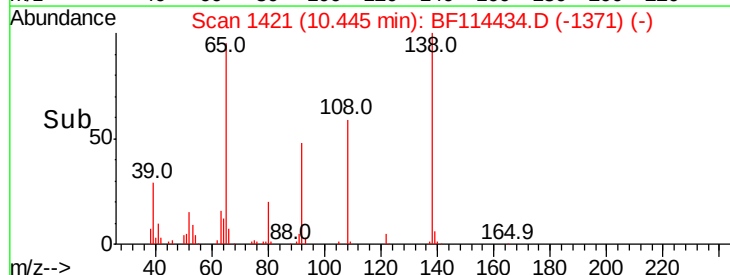
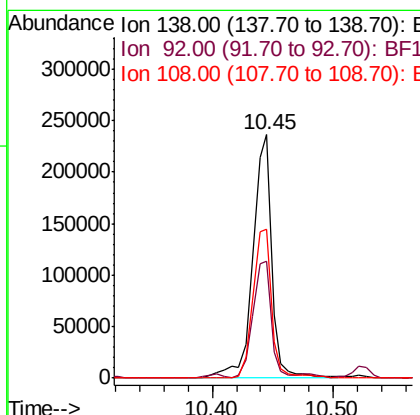
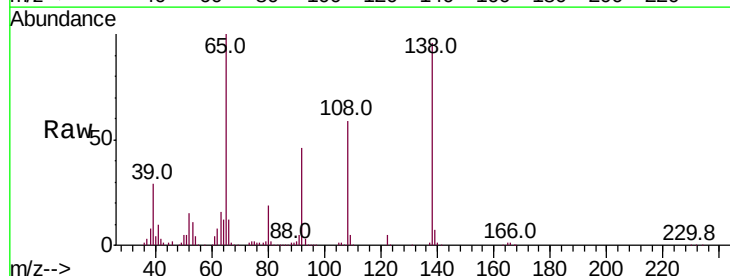
Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

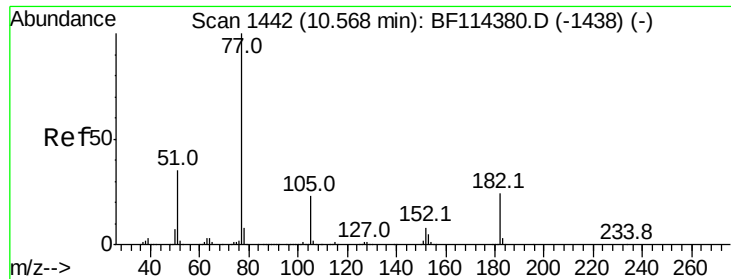
Tot Ion:204 Resp: 489160
 Ion Ratio Lower Upper
 204 100
 206 31.9 26.6 39.8
 141 58.8 46.4 69.6



#62
 4-Nitroaniline
 Concen: 38.649 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion:138 Resp: 259805
 Ion Ratio Lower Upper
 138 100
 92 48.1 33.0 73.0
 108 61.3 44.9 84.9





#63

Azobenzene

Concen: 45.620 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

Tot Ion: 77 Resp: 1042467

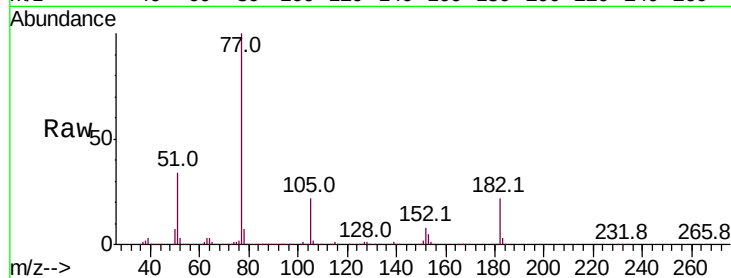
Ion	Ratio	Lower	Upper
77	100		
182	22.3	4.7	44.7
105	21.9	2.9	42.9
51	34.2	14.6	54.6

77 100

182 22.3 4.7 44.7

105 21.9 2.9 42.9

51 34.2 14.6 54.6

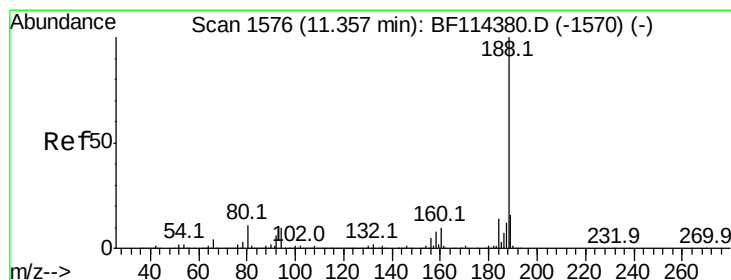
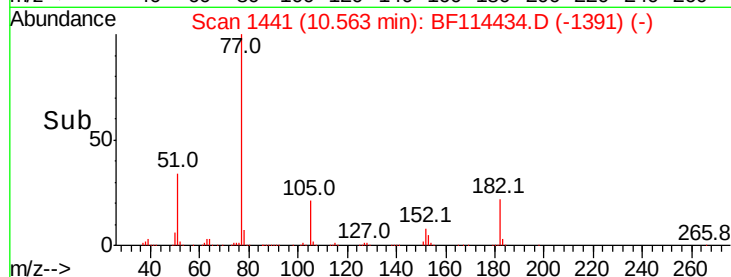
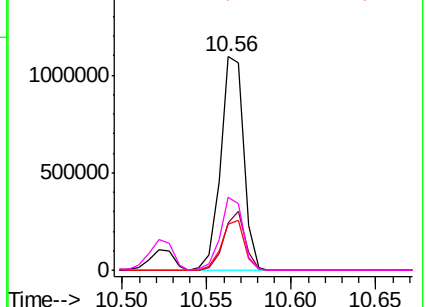


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

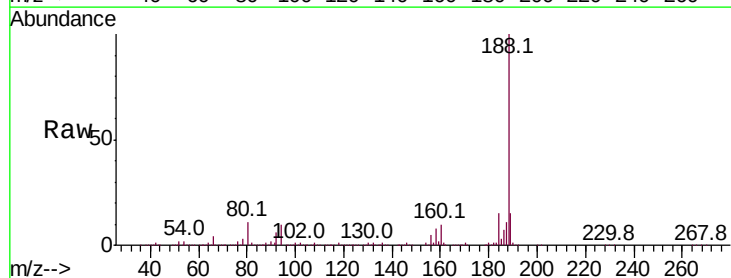
Tgt Ion:188 Resp: 591981

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.4	12.6
80	10.9	9.2	13.8

188 100

94 10.3 8.4 12.6

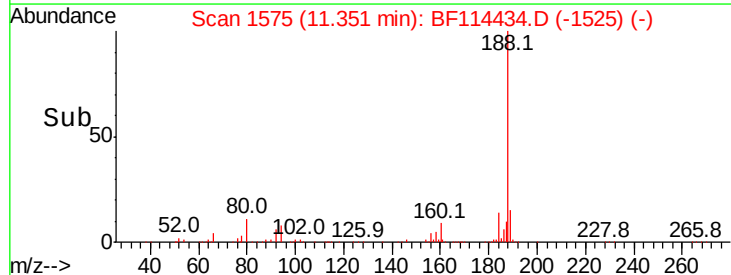
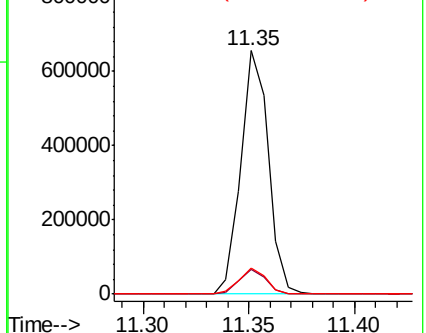
80 10.9 9.2 13.8

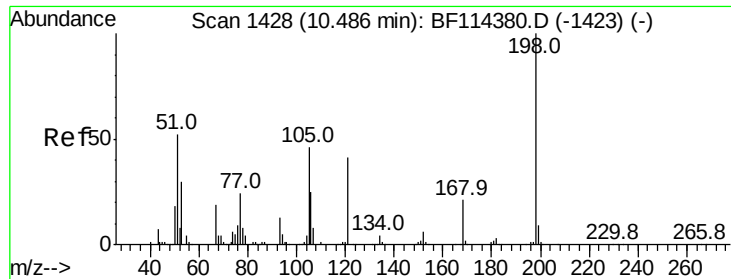


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

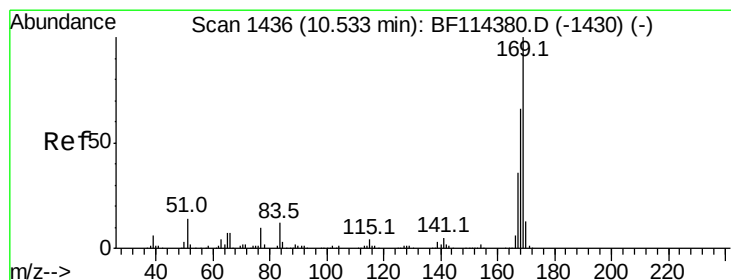
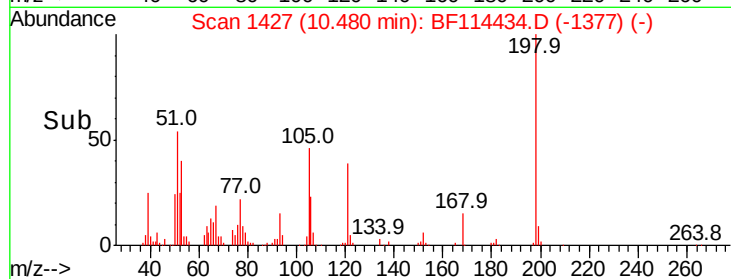
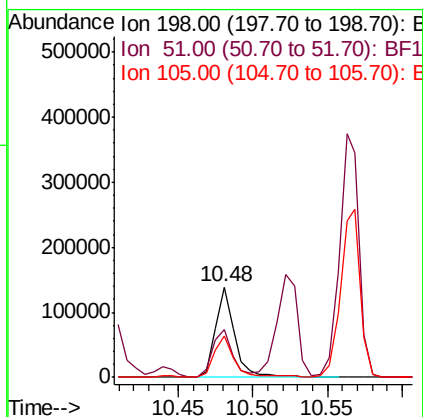
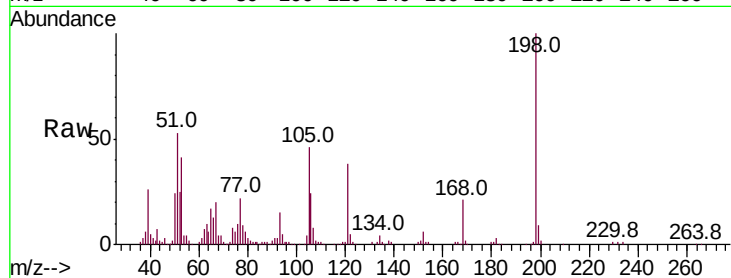




#65
4,6-Dinitro-2-methylphenol
Concen: 44.038 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

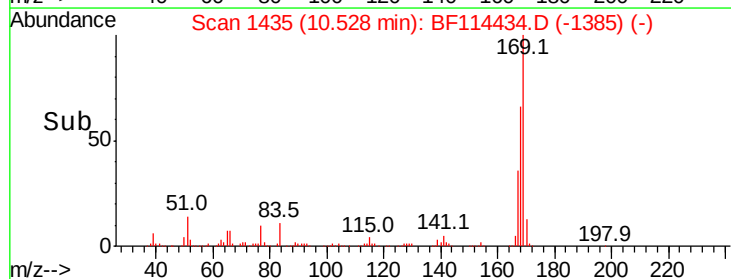
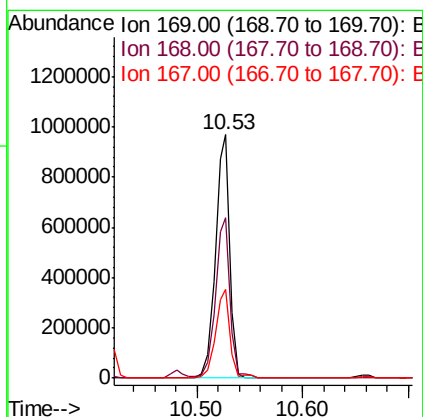
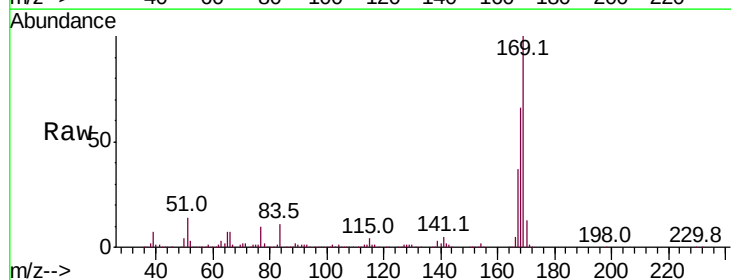
Instrument :
BNA_F
ClientSampled :
GIS-5MSD

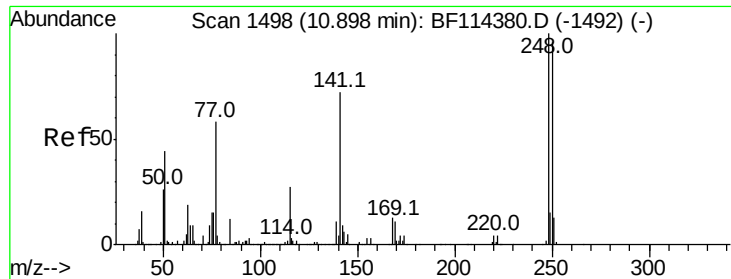
Tot Ion	Ratio	Lower	Upper
198	100		
51	53.3	28.0	68.0
105	45.8	21.1	61.1



#66
n-Nitrosodiphenylamine
Concen: 51.712 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.9	54.2	81.2
167	36.6	29.8	44.8

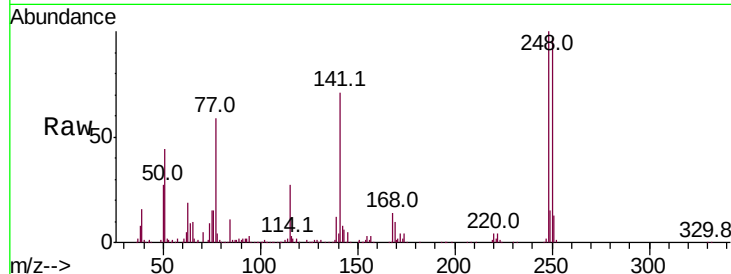




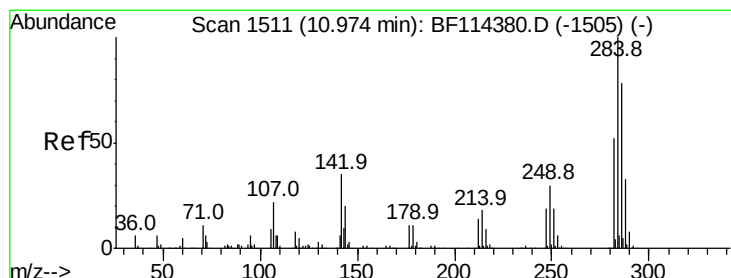
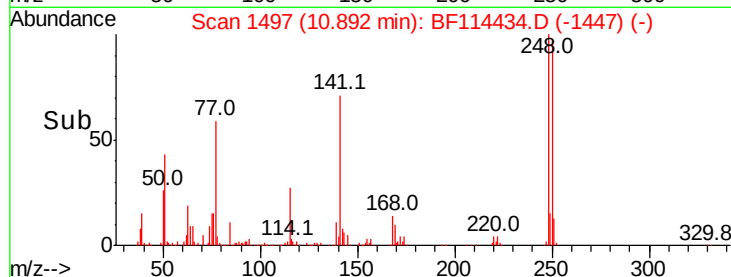
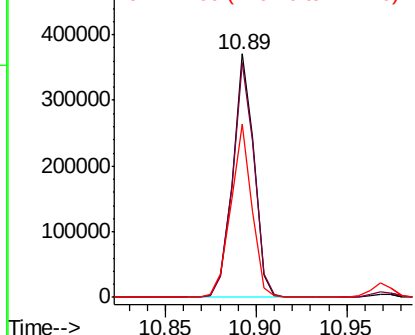
#67
4-Bromophenyl-phenylether
Concen: 46.663 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Instrument :
BNA_F
ClientSampled :
GIS-5MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.4	116.2
141	71.3	55.6	83.4

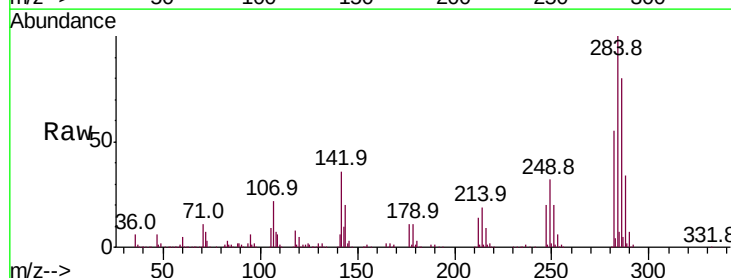


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

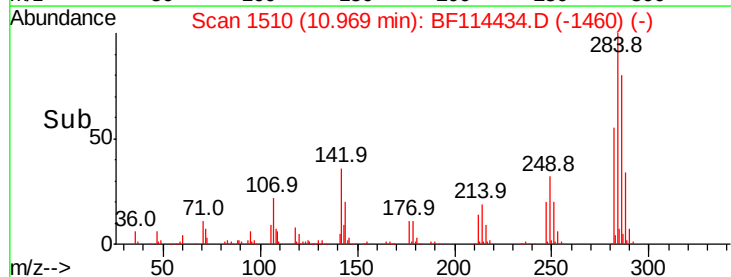
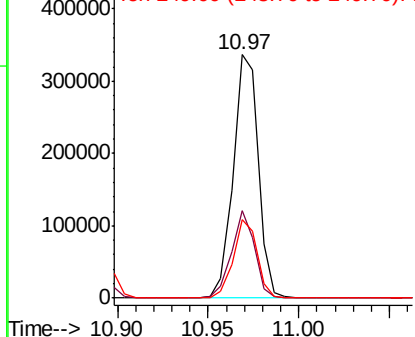


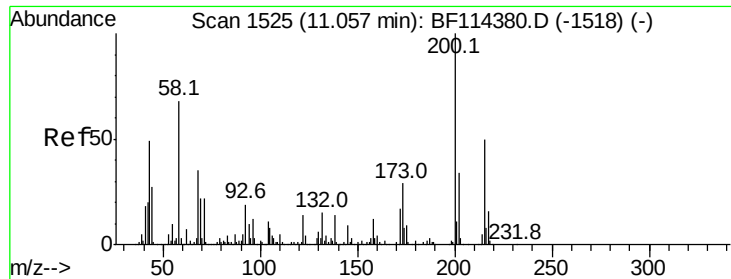
#68
Hexachlorobenzene
Concen: 44.880 ng
RT: 10.97 min Scan# 1510
Delta R.T. -0.01 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.9	28.4	42.6
249	32.2	25.2	37.8



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

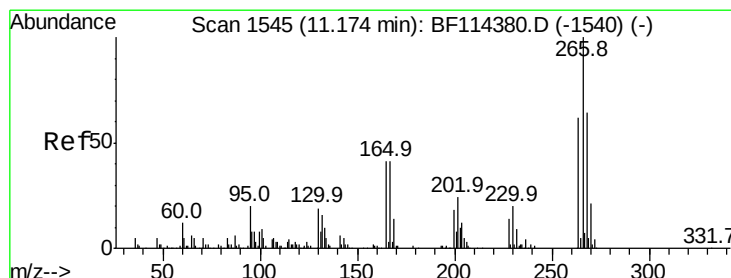
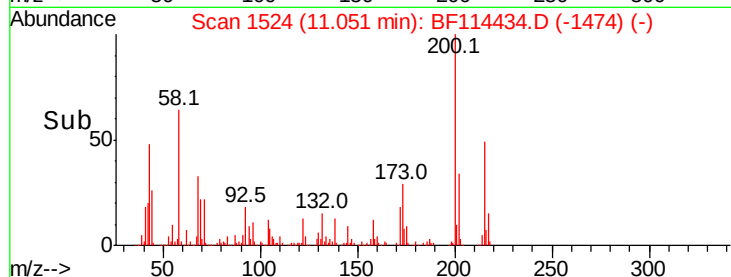
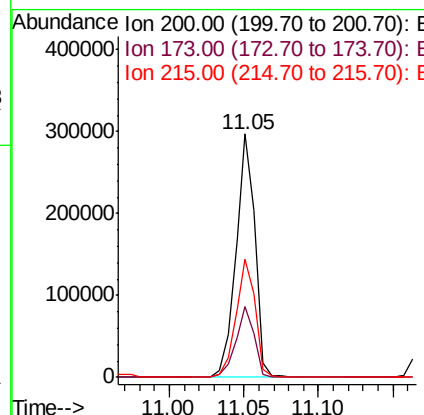
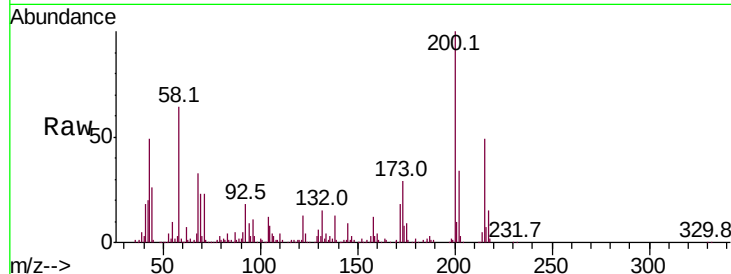




#69
 Atrazine
 Concen: 47.617 ng
 RT: 11.05 min Scan# 1524
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

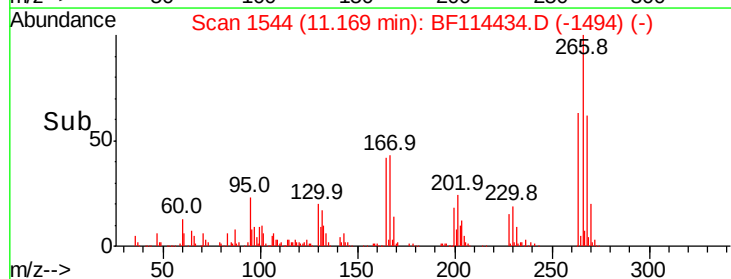
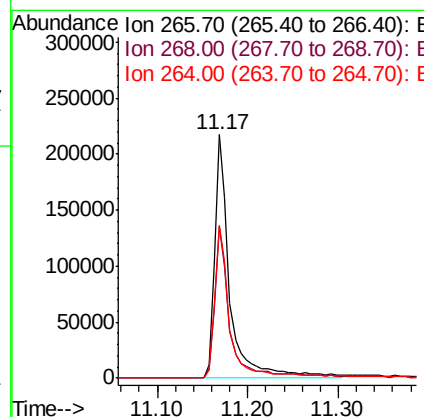
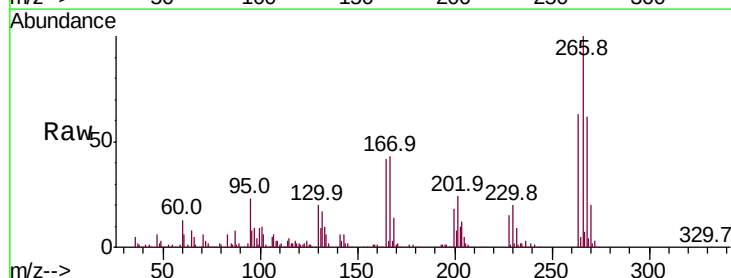
Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

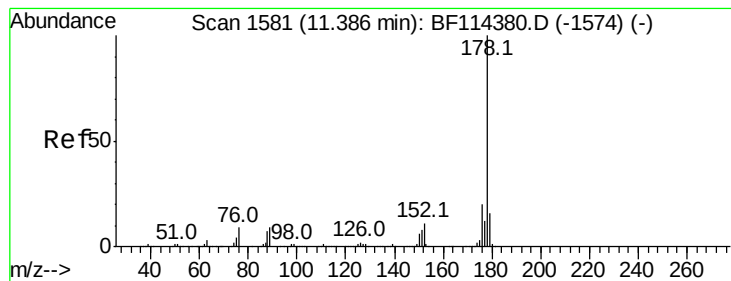
Tot Ion:	200	Resp:	266232
Ion	Ratio	Lower	Upper
200	100		
173	29.2	8.9	48.9
215	48.7	30.7	70.7



#70
 Pentachlorophenol
 Concen: 75.587 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion:	266	Resp:	258366
Ion	Ratio	Lower	Upper
266	100		
268	62.0	51.1	76.7
264	62.6	51.1	76.7





#71

Phenanthrene

Concen: 48.708 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

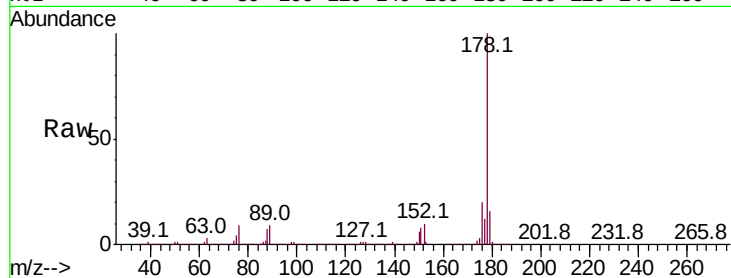
Tot Ion:178 Resp: 1402806

Ion Ratio Lower Upper

178 100

176 19.8 16.4 24.6

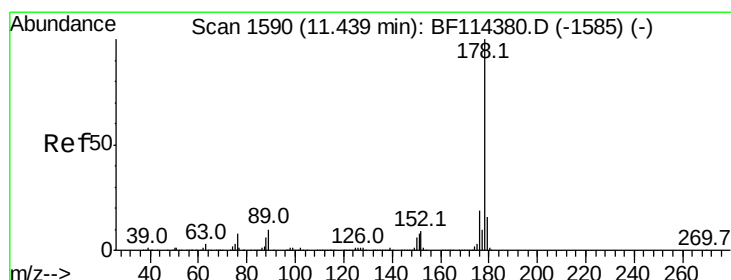
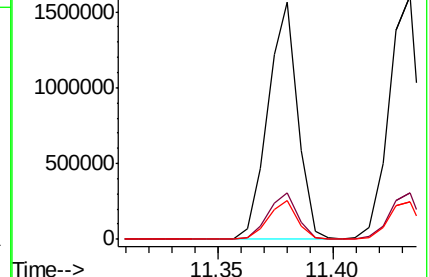
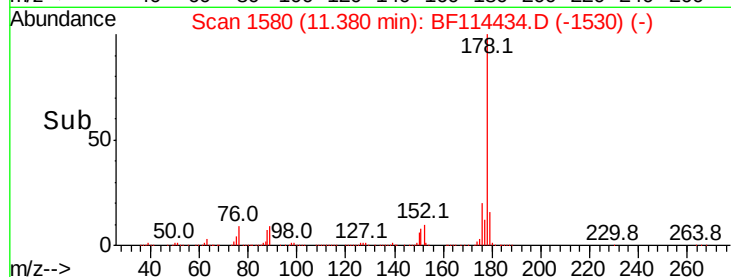
179 16.1 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 50.479 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

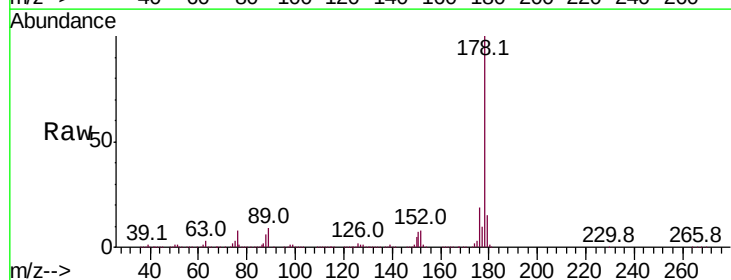
Tgt Ion:178 Resp: 1460245

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

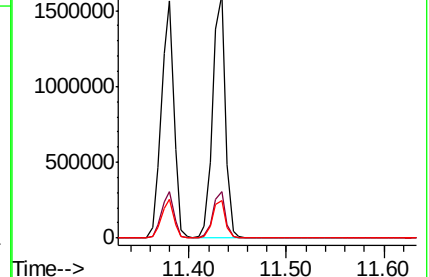
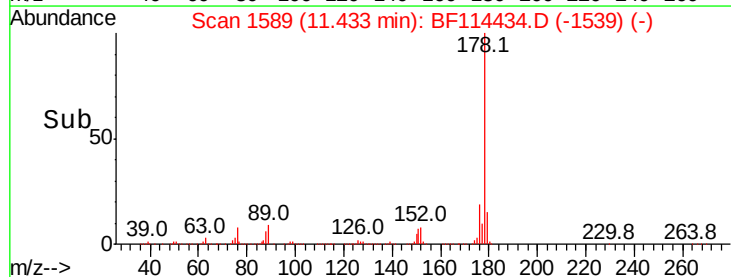
179 15.5 13.0 19.4

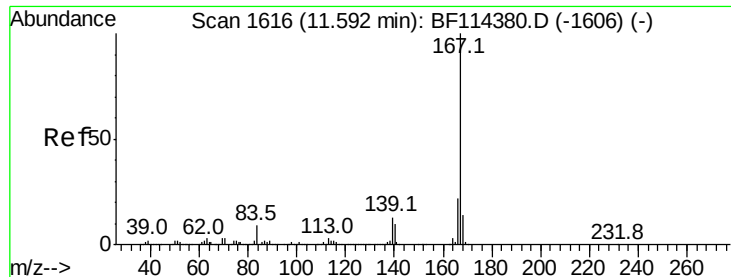


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

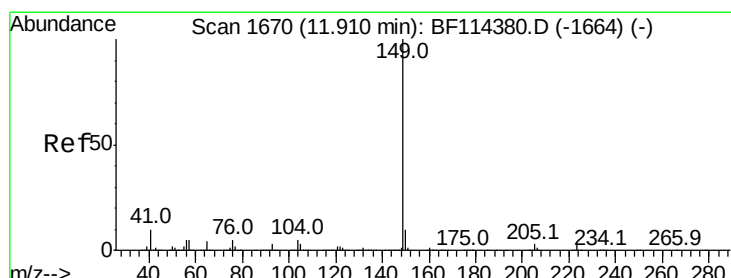
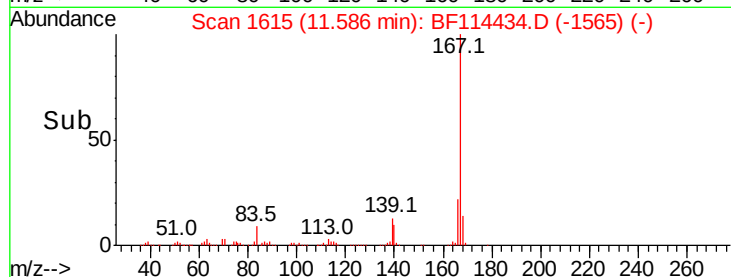
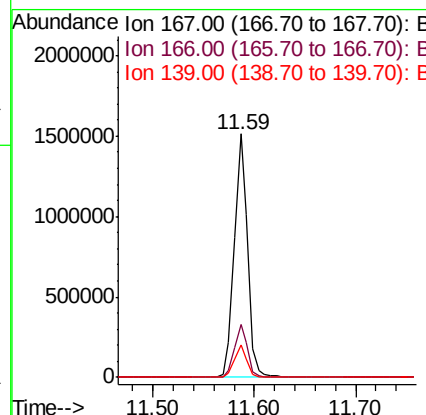
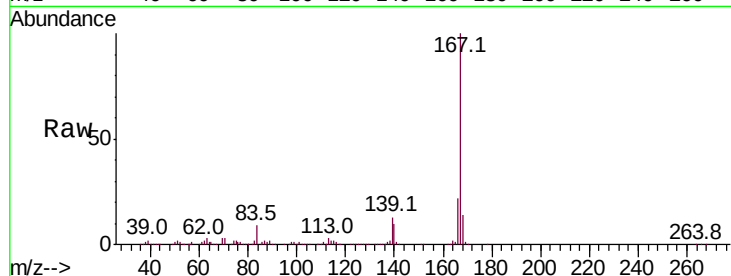




#73
 Carbazole
 Concen: 50.130 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

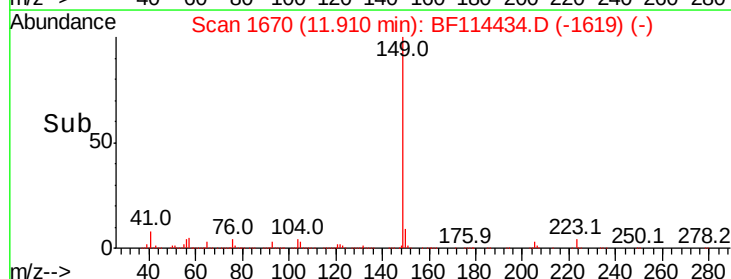
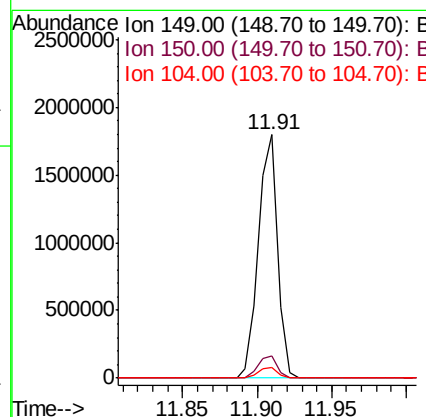
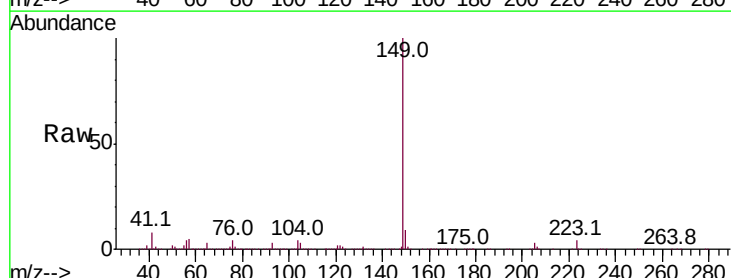
Instrument :
 BNA_F
 ClientSampleId :
 GIS-5MSD

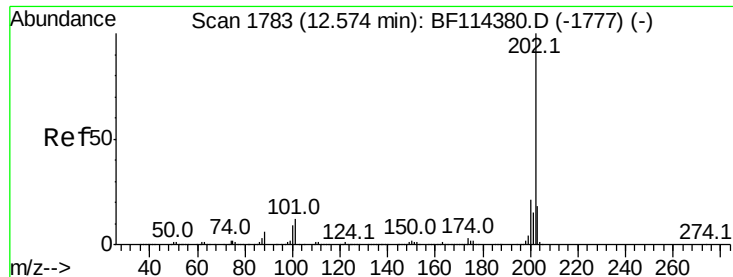
Tot Ion:167 Resp: 1382834
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.2 27.2
 139 13.1 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 49.682 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: BF114434.D
 Acq: 20 May 2019 13:12

Tgt Ion:149 Resp: 1578932
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.7 11.5
 104 4.3 3.6 5.4





#75

Fluoranthene

Concen: 46.430 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

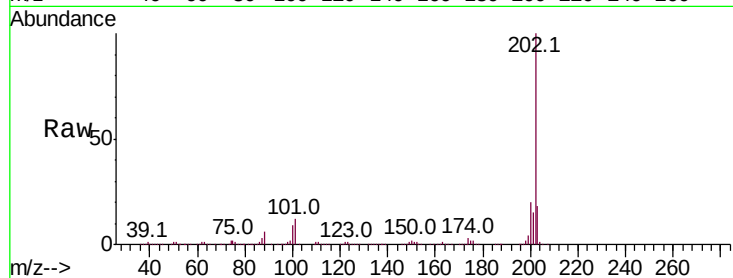
Tot Ion:202 Resp: 1440017

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.0

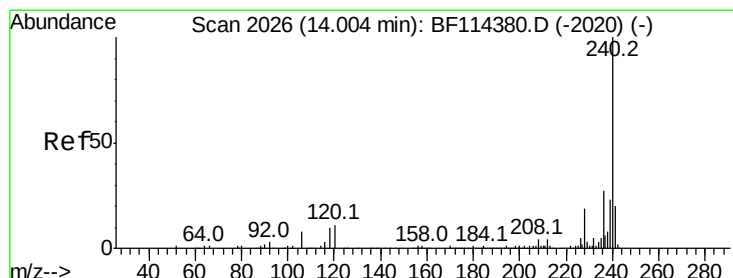
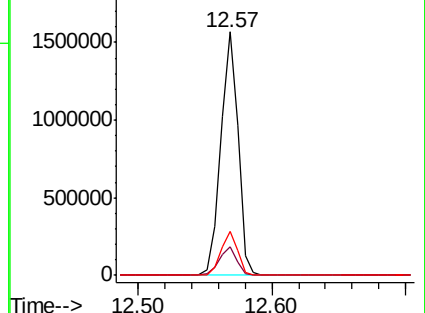
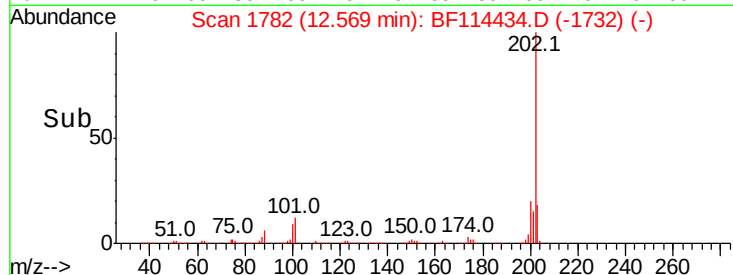
203 18.1 0.0 38.4



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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

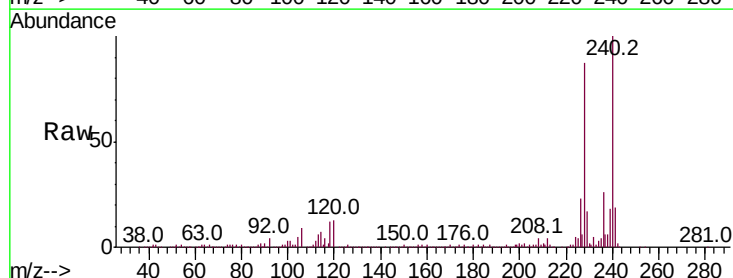
Tgt Ion:240 Resp: 423189

Ion Ratio Lower Upper

240 100

120 12.9 8.3 12.5#

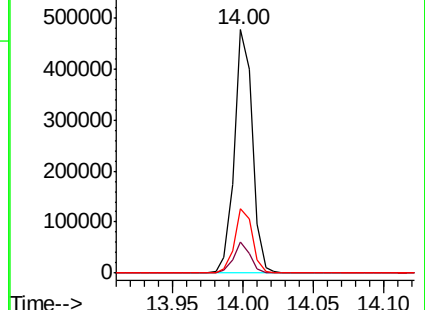
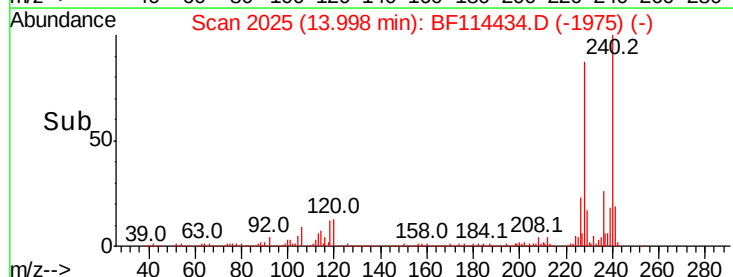
236 26.2 20.8 31.2

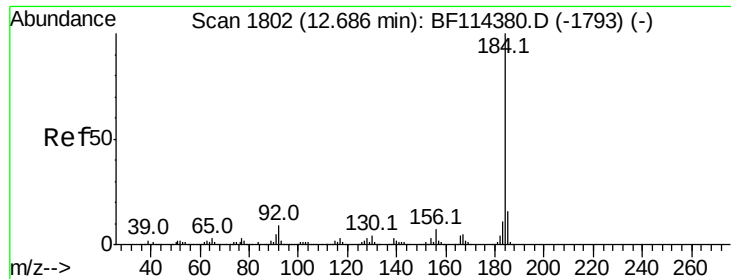


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 17.484 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

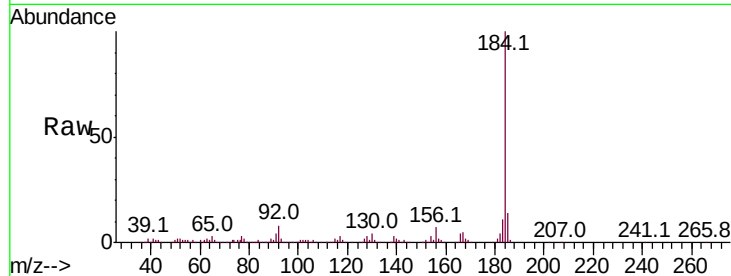
Tot Ion:184 Resp: 332135

Ion Ratio Lower Upper

184 100

185 13.7 13.6 20.4

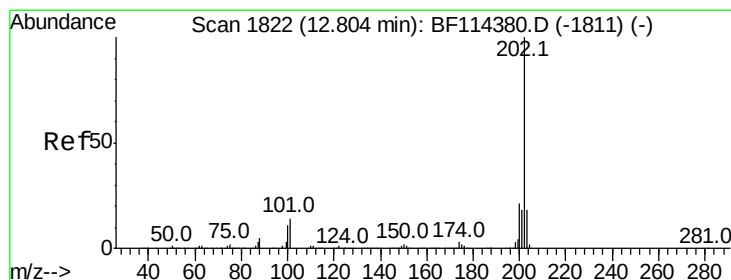
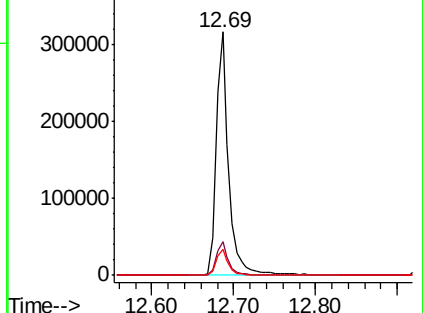
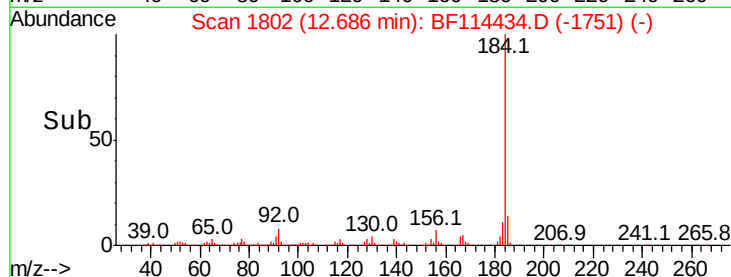
183 10.7 9.2 13.8



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: 43.002 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

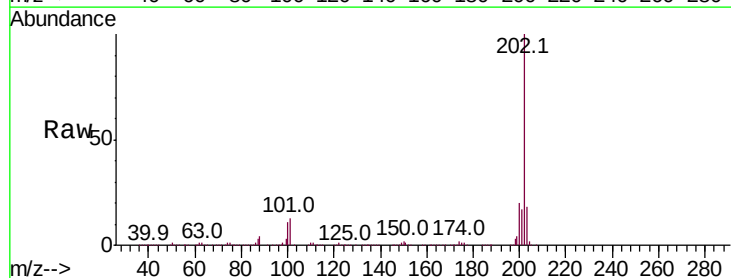
Tgt Ion:202 Resp: 1463943

Ion Ratio Lower Upper

202 100

200 20.3 16.9 25.3

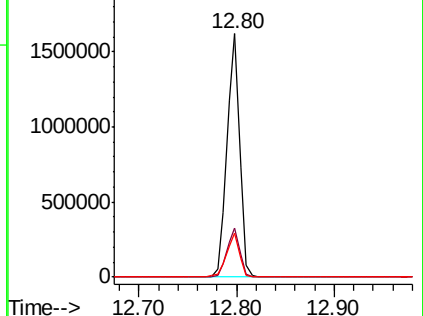
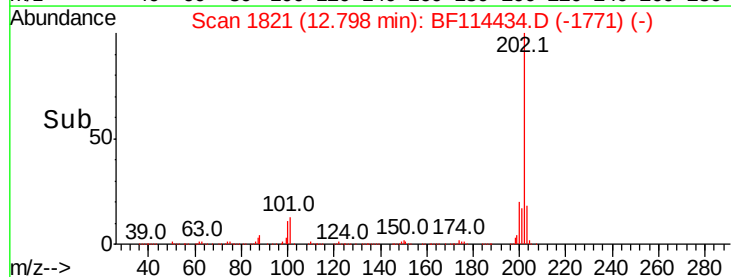
203 18.2 14.5 21.7

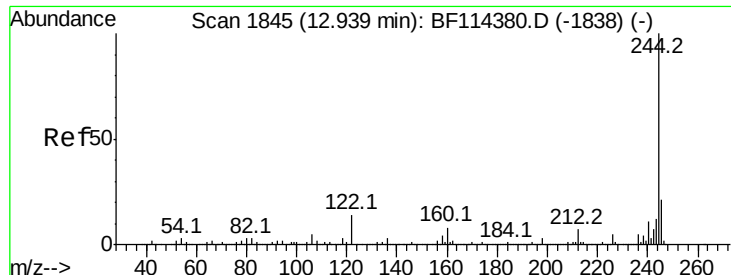


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 84.785 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

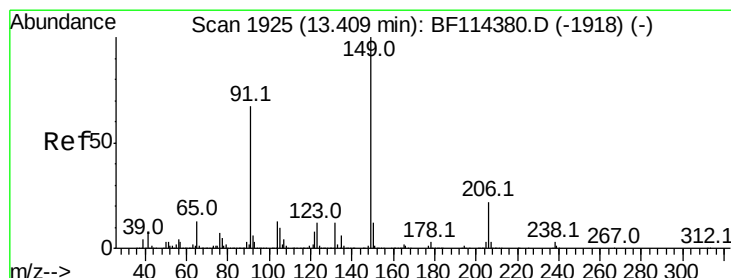
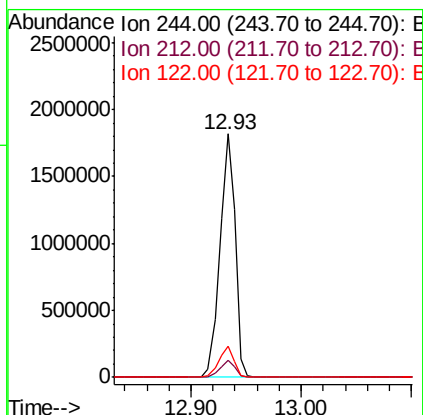
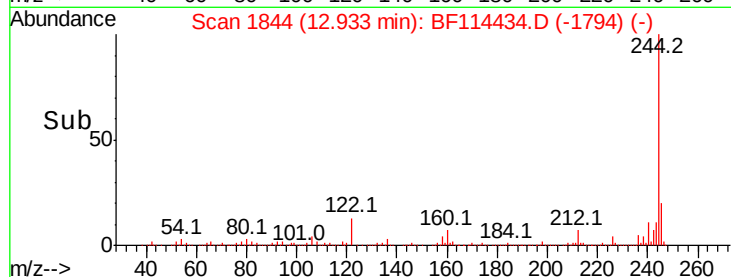
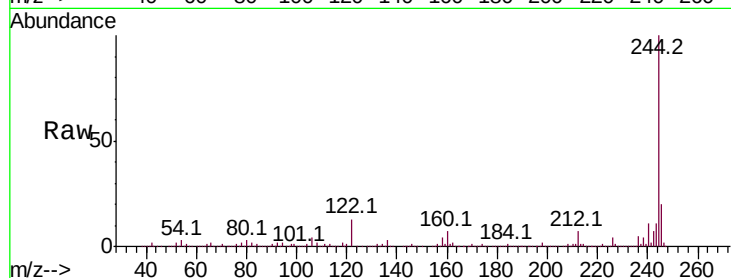
Tot Ion:244 Resp: 1740534

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 12.9 9.4 14.2



#80

Butylbenzylphthalate

Concen: 44.982 ng

RT: 13.40 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

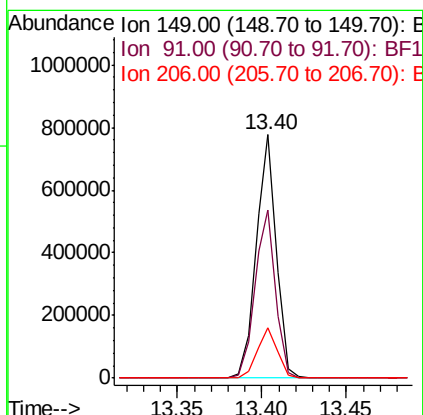
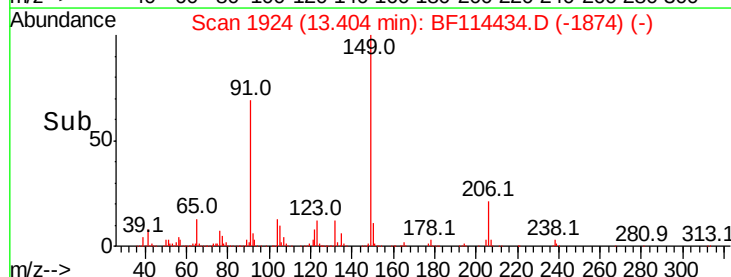
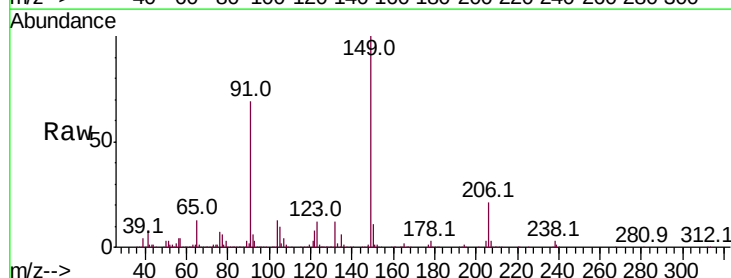
Tgt Ion:149 Resp: 644562

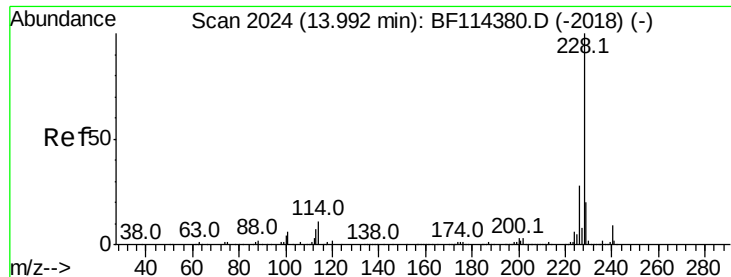
Ion Ratio Lower Upper

149 100

91 69.1 55.0 82.4

206 20.7 16.9 25.3





#81

Benzo(a)anthracene

Concen: 47.351 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

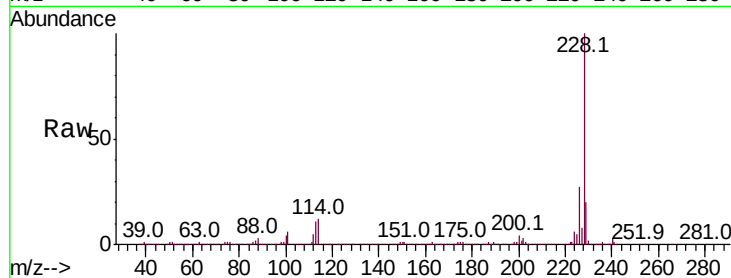
Tot Ion:228 Resp: 1296063

Ion Ratio Lower Upper

228 100

226 27.2 22.2 33.2

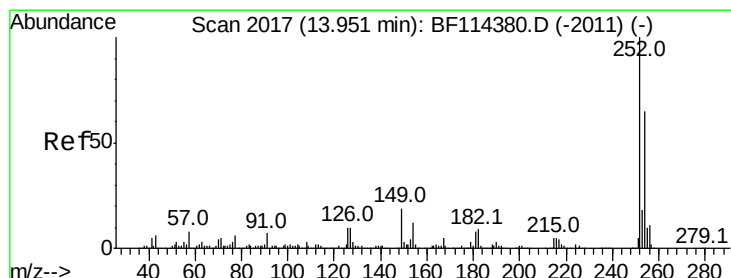
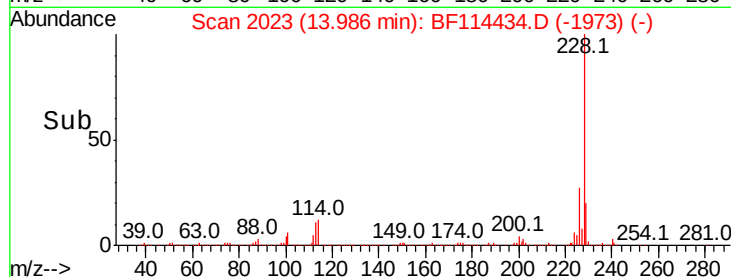
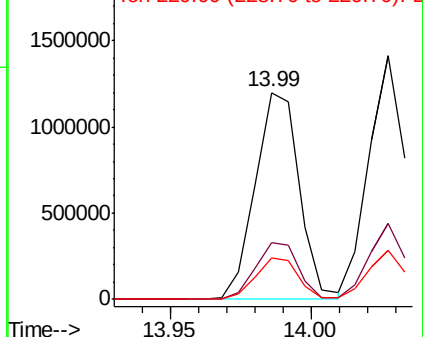
229 20.0 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 31.790 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

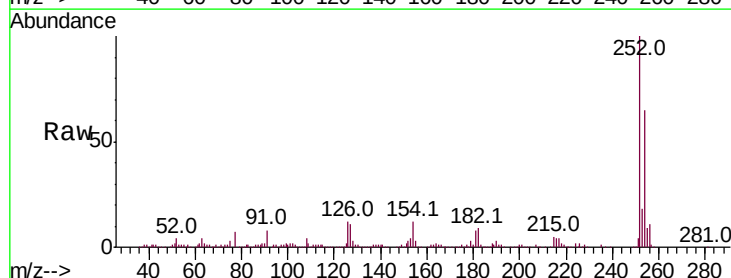
Tgt Ion:252 Resp: 337555

Ion Ratio Lower Upper

252 100

254 64.6 51.9 77.9

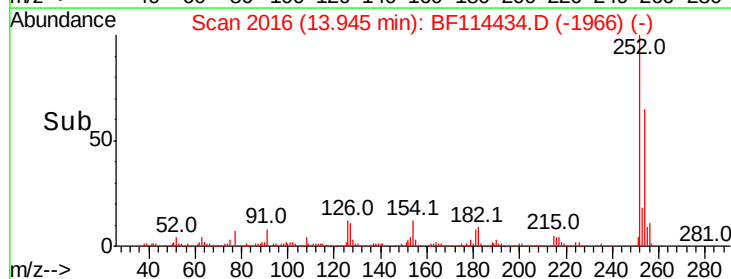
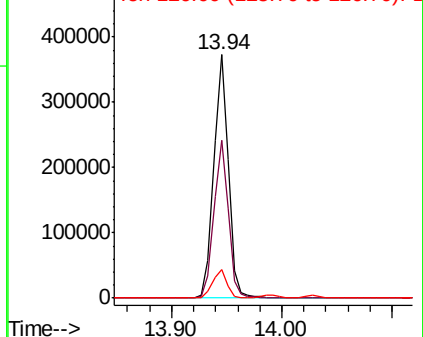
126 11.6 7.9 11.9

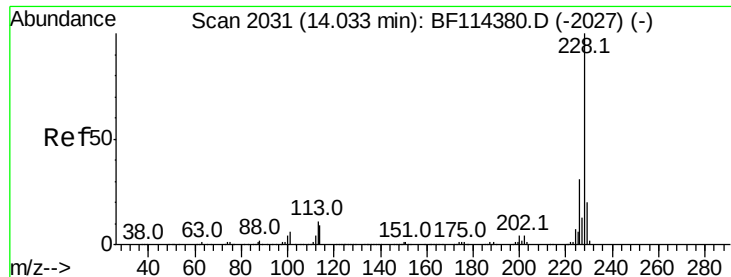


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 46.714 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

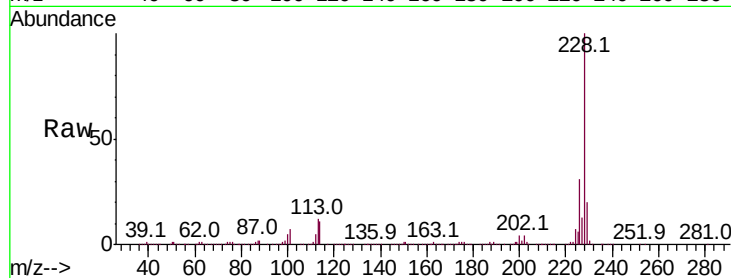
Tot Ion:228 Resp: 1253431

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

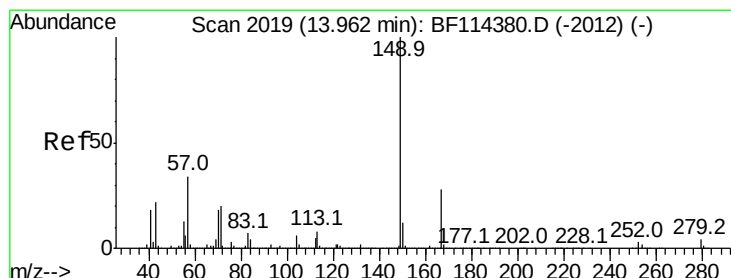
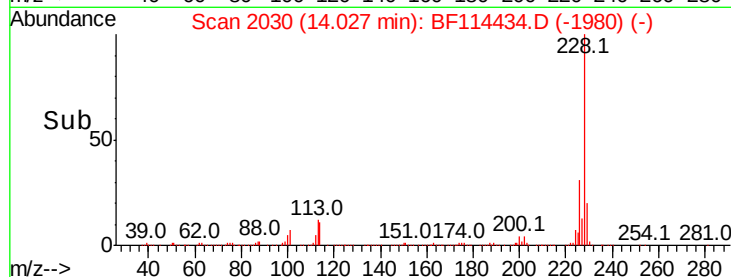
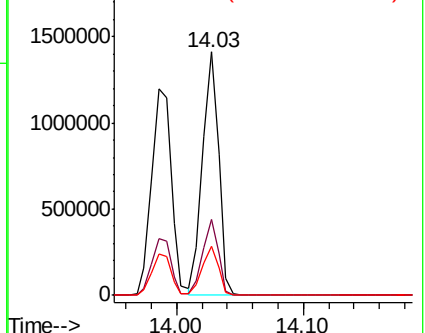
229 20.2 17.0 25.6



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: 46.518 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

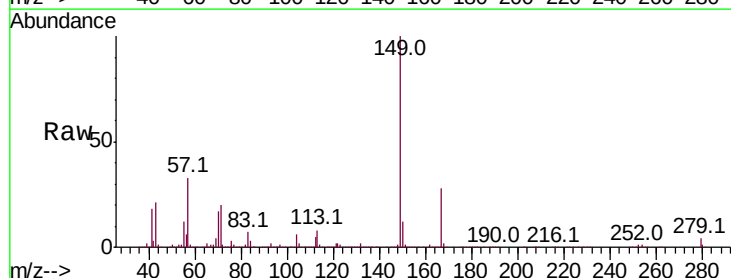
Tgt Ion:149 Resp: 871775

Ion Ratio Lower Upper

149 100

167 27.6 22.6 33.8

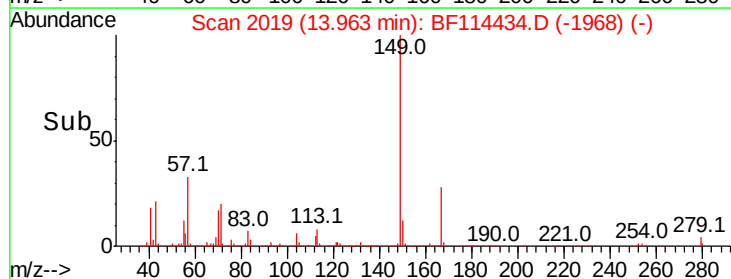
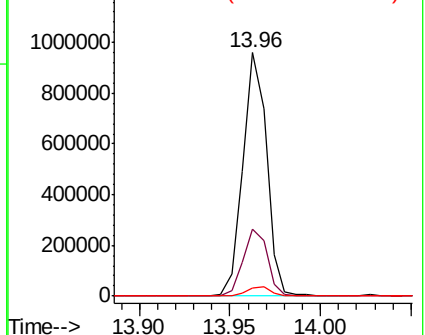
279 3.6 3.0 4.6

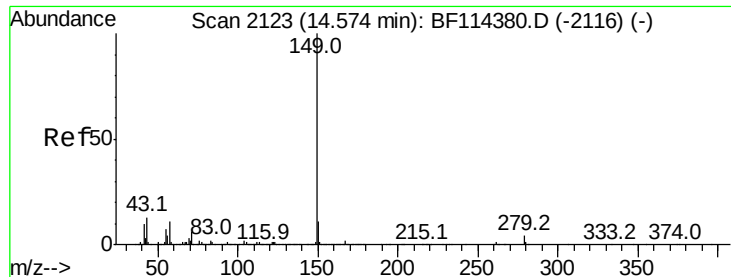


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 50.521 ng

RT: 14.59 min Scan# 2126

Delta R.T. 0.02 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

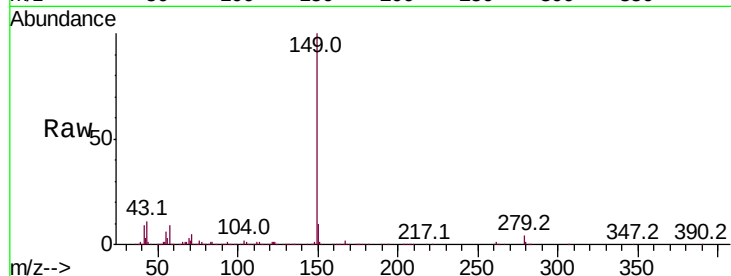
Tot Ion:149 Resp: 1534833

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

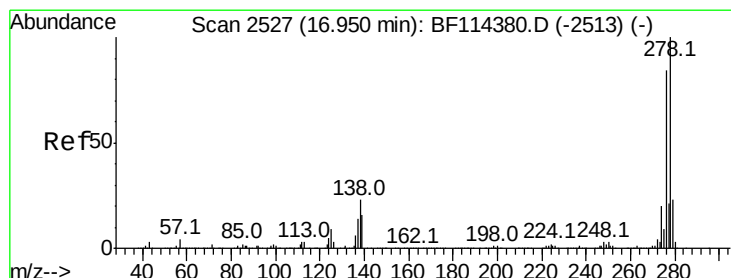
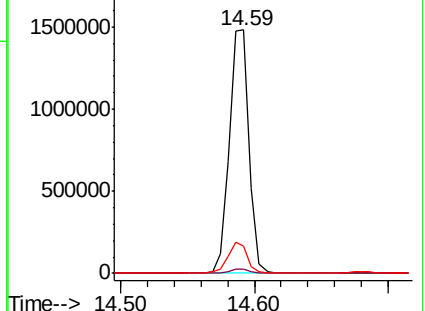
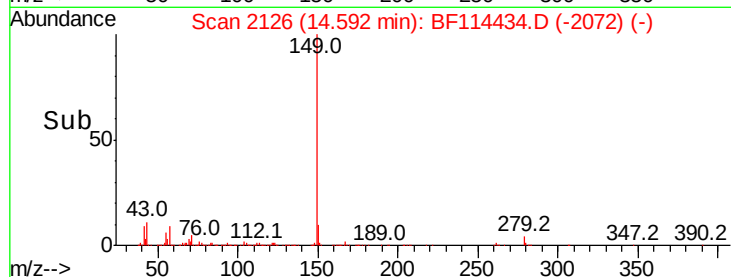
43 12.1 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 64.313 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.02 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

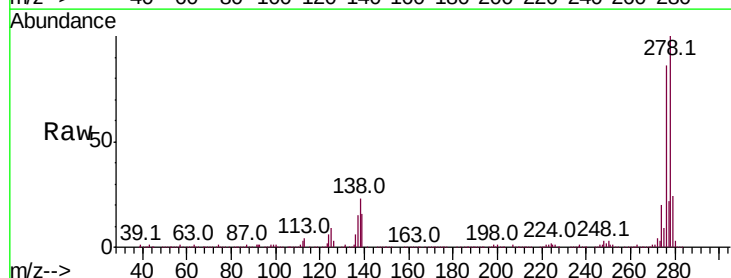
Tgt Ion:276 Resp: 1525100

Ion Ratio Lower Upper

276 100

138 25.4 20.2 30.2

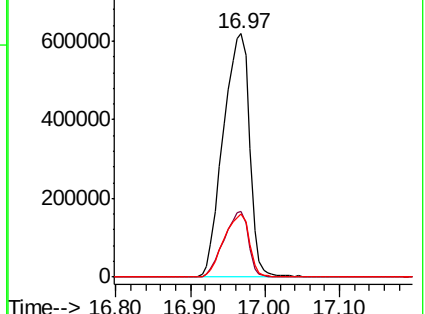
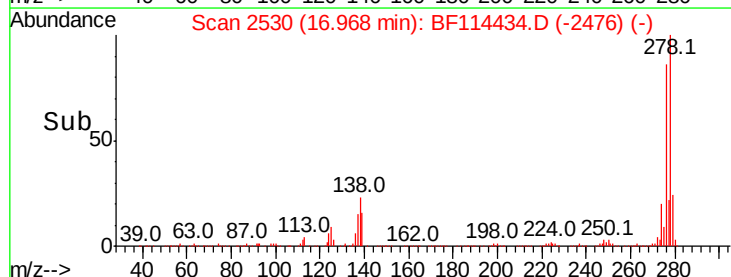
277 25.3 20.0 30.0

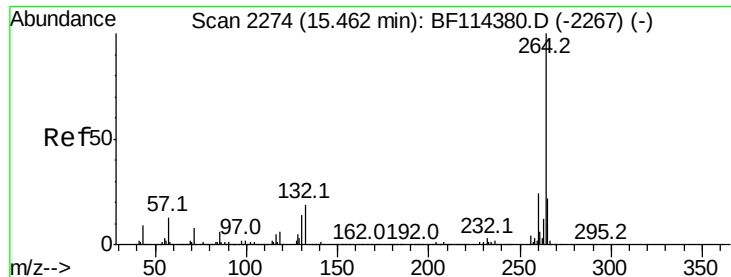


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.02 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

BNA_F

ClientSampleId :

GIS-5MSD

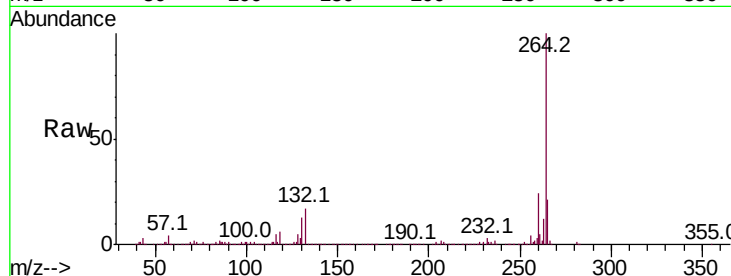
Tot Ion:264 Resp: 524490

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

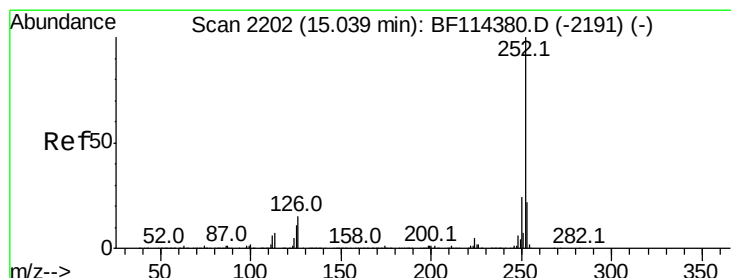
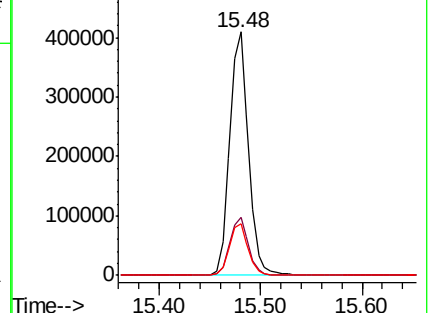
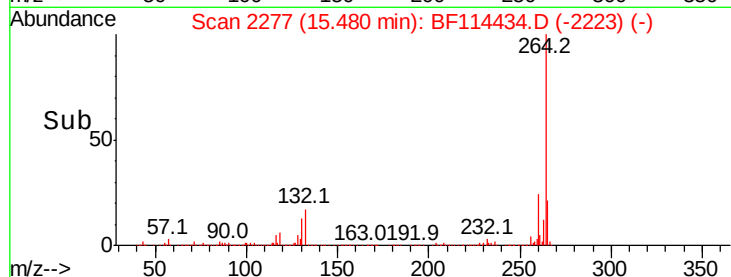
265 21.0 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 43.101 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

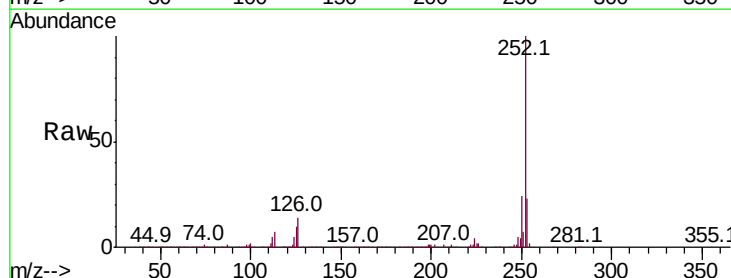
Tgt Ion:252 Resp: 1448284

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

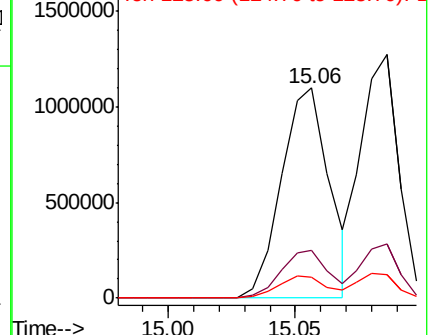
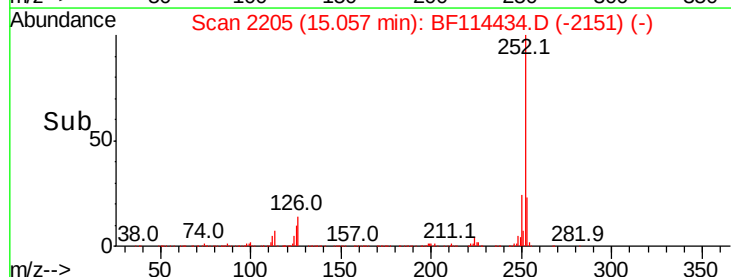
125 10.0 8.3 12.5

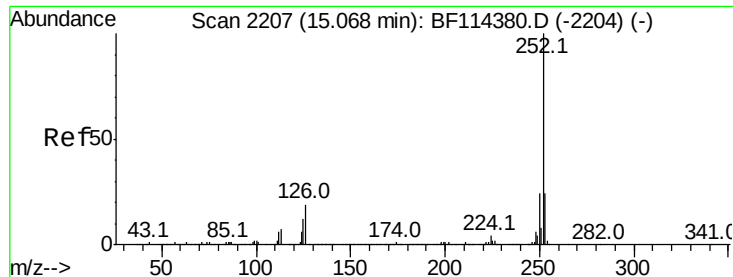


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

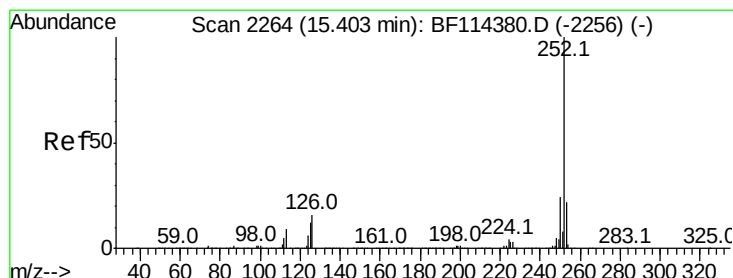
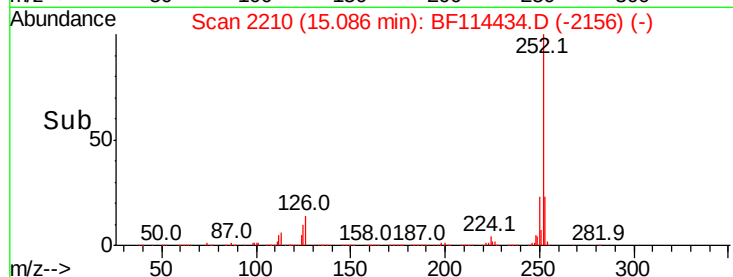
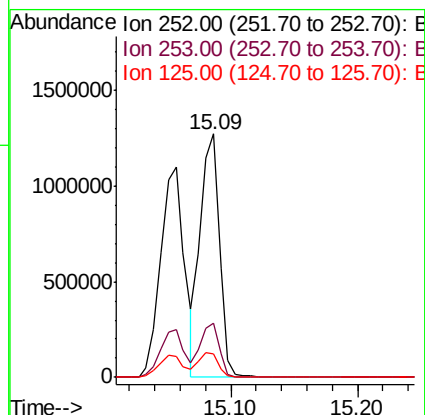
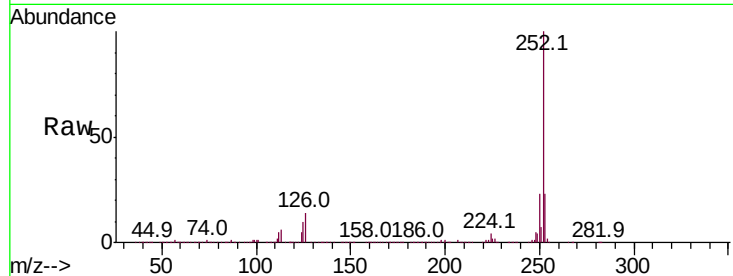




#89
Benzo(k)fluoranthene
Concen: 43.111 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.02 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

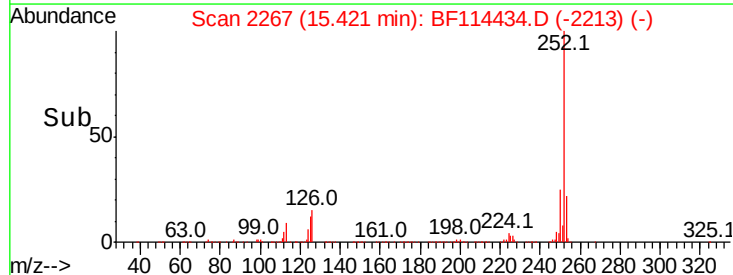
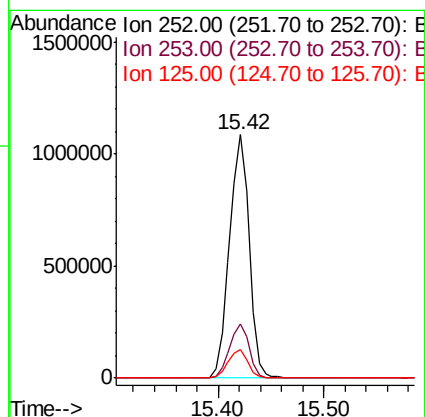
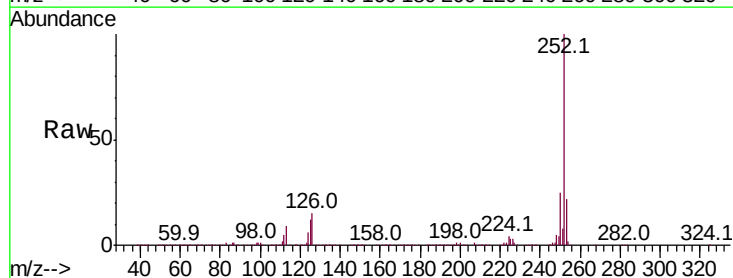
Instrument :
BNA_F
ClientSampleId :
GIS-5MSD

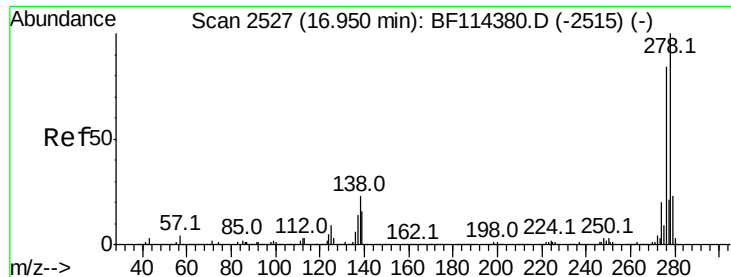
Tot Ion:252 Resp: 1330703
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 9.9 8.6 13.0



#90
Benzo(a)pyrene
Concen: 47.332 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF114434.D
Acq: 20 May 2019 13:12

Tgt Ion:252 Resp: 1399720
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 11.8 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 51.872 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.02 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Instrument :

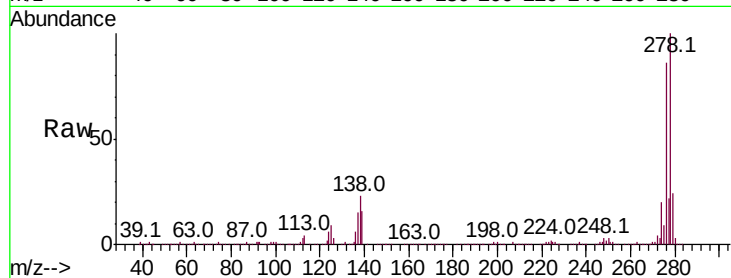
BNA_F

ClientSampleId :

GIS-5MSD

Tot Ion:278 Resp: 1274669

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.5	20.3
279	24.2	19.0	28.6

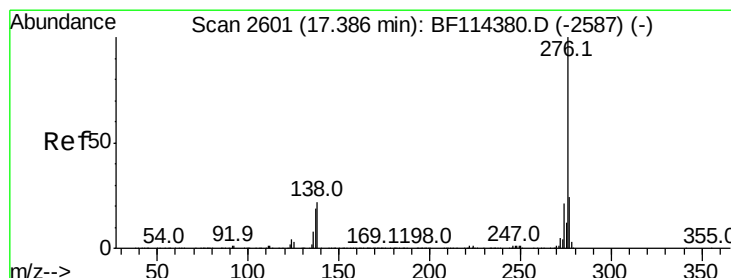
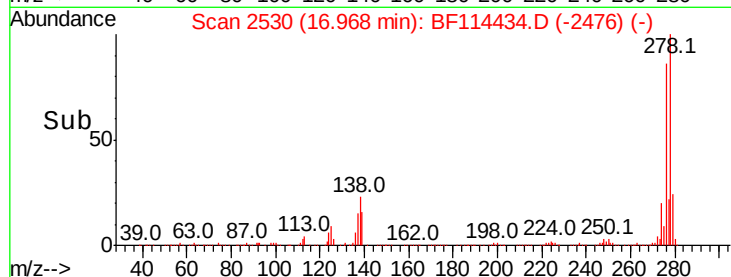
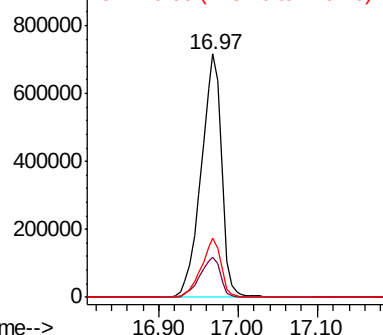


Abundance

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: 51.318 ng

RT: 17.40 min Scan# 2604

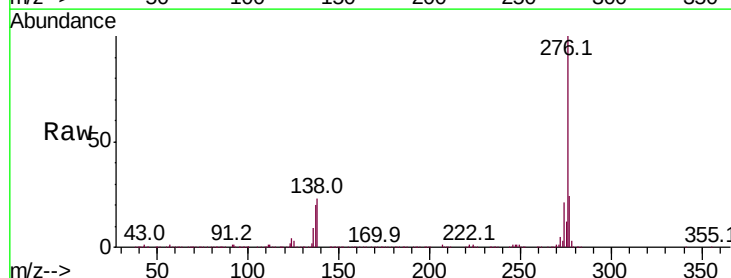
Delta R.T. 0.02 min

Lab File: BF114434.D

Acq: 20 May 2019 13:12

Tgt Ion:276 Resp: 1263769

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	22.9	17.8	26.6



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

