

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114665.D
 Acq On : 30 May 2019 17:33
 Operator : HP/JU
 Sample : PB119288BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:44:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	1672120	20.00	ng	0.01
21) Naphthalene-d8	7.98	136	5775955	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	2899883	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	4929275	20.00	ng	0.01
76) Chrysene-d12	13.83	240	3589155	20.00	ng	0.01
87) Perylene-d12	15.22	264	4359863	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	8134608	85.41	ng	0.05
7) Phenol-d6	6.37	99	9895333	86.22	ng	0.05
23) Nitrobenzene-d5	7.27	82	7032818	75.97	ng	0.02
42) 2,4,6-Tribromophenol	10.53	330	3043679	110.15	ng	0.02
45) 2-Fluorobiphenyl	9.06	172	8751849	50.13	ng	0.00
79) Terphenyl-d14	12.80	244	9235782	48.38	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	362279	7.927	ng	98
4) n-Nitrosodimethylamine	3.11	42	394067	7.321	ng	96
6) Aniline	6.40	93	733527	4.231	ng	96
8) 2-Chlorophenol	6.50	128	727932	6.618	ng	87
9) Benzaldehyde	6.24	77	352863	Below Cal		95
10) Phenol	6.38	94	900623	6.496	ng	89
11) bis(2-Chloroethyl)ether	6.46	93	694328	6.547	ng	97
12) 1,3-Dichlorobenzene	6.64	146	1019354	8.135	ng	97
13) 1,4-Dichlorobenzene	6.72	146	986153	7.845	ng	99
14) 1,2-Dichlorobenzene	6.87	146	774221	6.765	ng	97
15) Benzyl Alcohol	6.84	79	731705	8.105	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.98	45	1233199	7.582	ng	100
17) 2-Methylphenol	6.96	107	766338	8.238	ng	99
18) Hexachloroethane	7.21	117	372536	7.827	ng	97
19) n-Nitroso-di-n-propylamine	7.13	70	640401	8.084	ng	99
20) 3+4-Methylphenols	7.12	107	897929	8.207	ng	# 81
22) Acetophenone	7.11	105	1258768	10.228	ng	# 99
24) Nitrobenzene	7.29	77	835699	8.498	ng	99
25) Isophorone	7.52	82	1700864	9.155	ng	99
26) 2-Nitrophenol	7.59	139	473466	9.891	ng	98
27) 2,4-Dimethylphenol	7.63	122	840429	10.556	ng	98
28) bis(2-Chloroethoxy)methane	7.73	93	1073302	9.075	ng	99
29) 2,4-Dichlorophenol	7.83	162	777080	9.589	ng	99
30) 1,2,4-Trichlorobenzene	7.92	180	881374	9.546	ng	99
31) Naphthalene	8.00	128	2459167	9.243	ng	99
32) Benzoic acid	7.75	122	523289	10.119	ng	98
33) 4-Chloroaniline	8.04	127	606580	4.785	ng	99
34) Hexachlorobutadiene	8.13	225	470495	9.174	ng	99
35) Caprolactam	8.42	113	227026	8.302	ng	98
36) 4-Chloro-3-methylphenol	8.53	107	761524	9.371	ng	98
37) 2-Methylnaphthalene	8.69	142	1766187	9.991	ng	98
38) 1-Methylnaphthalene	8.79	142	1673589	9.993	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	726335	9.405	ng	99
41) Hexachlorocyclopentadiene	8.85	237	994817	19.494	ng	99

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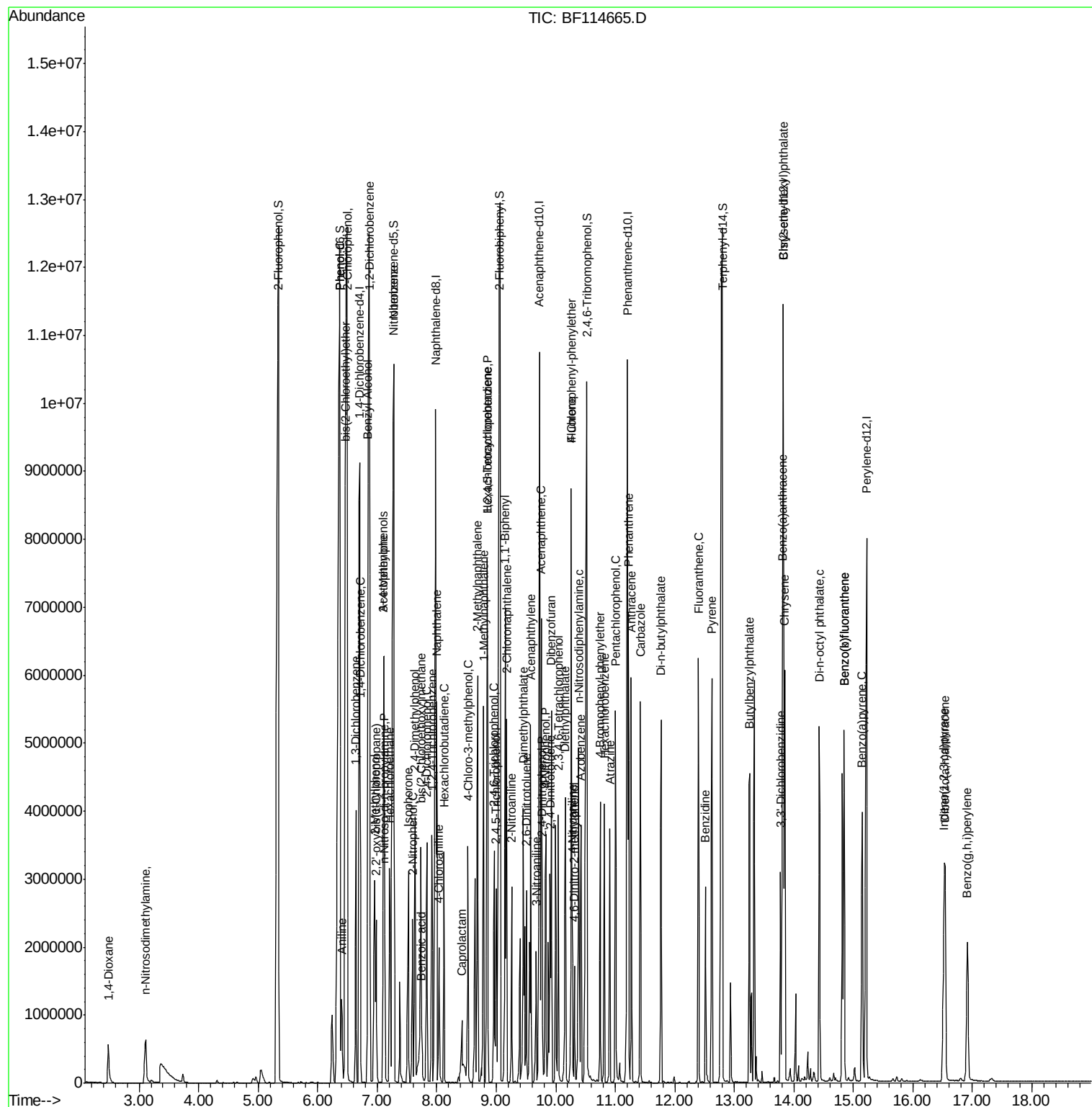
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	8.96	196	573328	9.435	ng	100
44) 2,4,5-Trichlorophenol	9.00	196	557670	9.197	ng	98
46) 1,1'-Biphenyl	9.15	154	2076506	9.646	ng	99
47) 2-Chloronaphthalene	9.17	162	1641898	9.299	ng	98
48) 2-Nitroaniline	9.26	65	450697	8.271	ng	93
49) Acenaphthylene	9.58	152	2514906	9.219	ng	100
50) Dimethylphthalate	9.46	163	1834892	9.081	ng	99
51) 2,6-Dinitrotoluene	9.51	165	429904	9.156	ng	94
52) Acenaphthene	9.76	154	1656546	9.902	ng	100
53) 3-Nitroaniline	9.67	138	296519	5.160	ng	98
54) 2,4-Dinitrophenol	9.77	184	362128	19.553	ng	92
55) Dibenzofuran	9.93	168	2177429	9.144	ng	100
56) 4-Nitrophenol	9.83	139	727450	17.082	ng	95
57) 2,4-Dinitrotoluene	9.90	165	564663	9.370	ng	96
58) Fluorene	10.27	166	1544177	4.997	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.04	232	477564	9.622	ng	100
60) Diethylphthalate	10.16	149	1828541	8.860	ng	100
61) 4-Chlorophenyl-phenylether	10.26	204	757112	5.119	ng	99
62) 4-Nitroaniline	10.28	138	437773	7.818	ng	99
63) Azobenzene	10.42	77	1718247	9.068	ng	98
65) 4,6-Dinitro-2-methylphenol	10.32	198	223291	10.216	ng	89
66) n-Nitrosodiphenylamine	10.39	169	1523361	10.460	ng	99
67) 4-Bromophenyl-phenylether	10.75	248	524689	9.926	ng	97
68) Hexachlorobenzene	10.82	284	560638	9.792	ng	96
69) Atrazine	10.91	200	460394	8.186	ng	99
70) Pentachlorophenol	11.00	266	632980	19.179	ng	97
71) Phenanthrene	11.22	178	2318491	9.220	ng	99
72) Anthracene	11.27	178	2485296	9.766	ng	99
73) Carbazole	11.42	167	2152788	9.625	ng	99
74) Di-n-butylphthalate	11.77	149	2610682	5.987	ng	99
75) Fluoranthene	12.40	202	2372170	9.111	ng	99
77) Benzidine	12.52	184	1027787	6.954	ng	97
78) Pyrene	12.62	202	2431538	8.009	ng	100
80) Butylbenzylphthalate	13.26	149	1149866	7.536	ng	96
81) Benzo(a)anthracene	13.80	228	2117042	7.676	ng	99
82) 3,3'-Dichlorobenzidine	13.77	252	589242	5.532	ng	99
83) Chrysene	13.85	228	2037513	7.732	ng	99
84) Bis(2-ethylhexyl)phthalate	13.82	149	1108534	5.876	ng	# 99
85) Di-n-octyl phthalate	14.43	149	2611274	7.967	ng	98
86) Indeno(1,2,3-cd)pyrene	16.52	276	2013516	7.629	ng	100
88) Benzo(b)fluoranthene	14.84	252	2010695	7.322	ng	99
89) Benzo(k)fluoranthene	14.84	252	2010695	8.424	ng	99
90) Benzo(a)pyrene	15.14	252	1986589	8.235	ng	98
91) Dibenzo(a,h)anthracene	16.54	278	1685336	7.906	ng	99
92) Benzo(g,h,i)perylene	16.92	276	1640233	7.928	ng	99

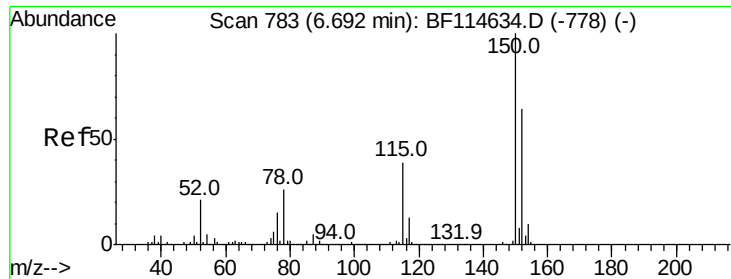
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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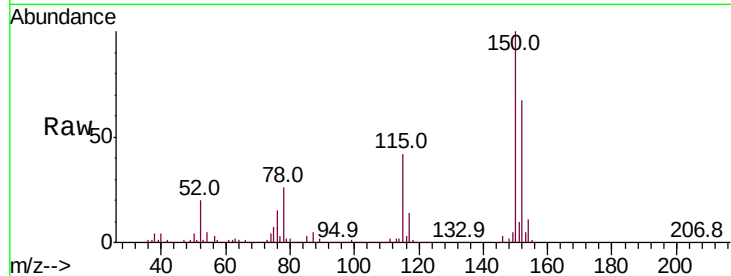


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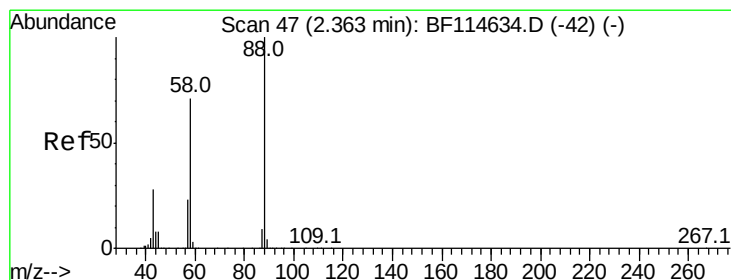
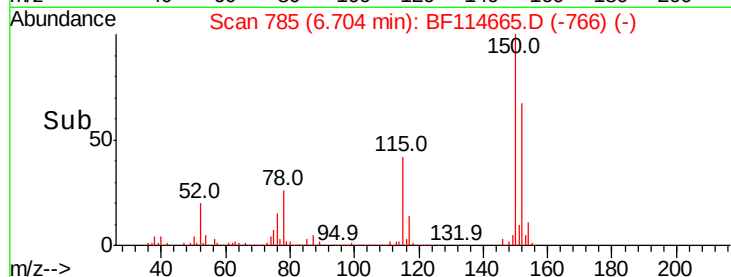
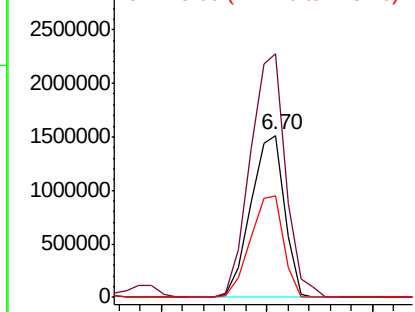
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.01 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 1672120
Ion Ratio Lower Upper
152 100
150 150.0 124.4 186.6
115 62.4 48.7 73.1



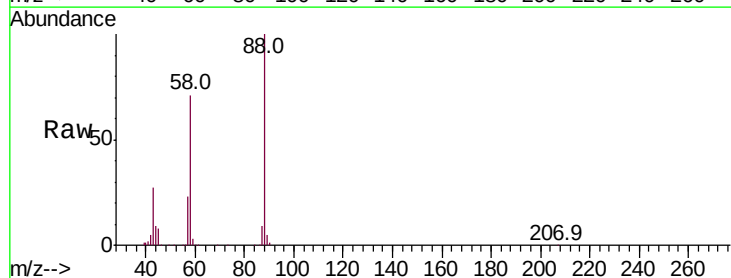
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



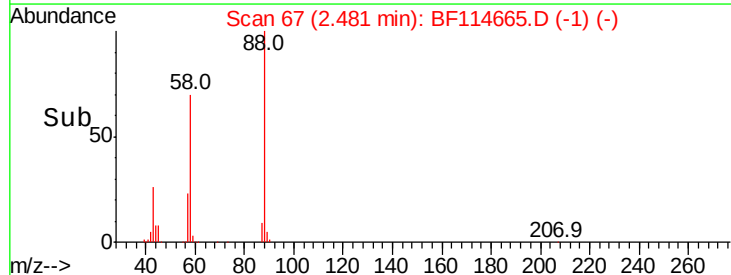
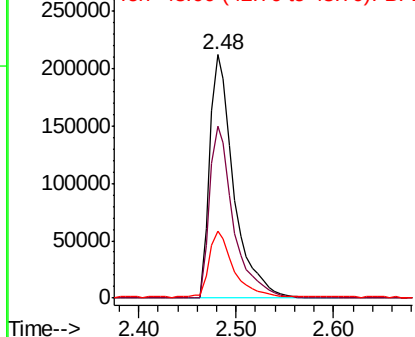
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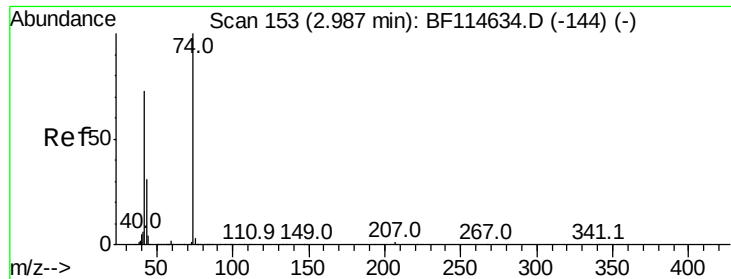
1,4-Dioxane
Concen: 7.927 ng
RT: 2.48 min Scan# 67
Delta R.T. 0.12 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion: 88 Resp: 362279
Ion Ratio Lower Upper
88 100
58 70.7 57.2 85.8
43 26.6 22.6 33.8



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



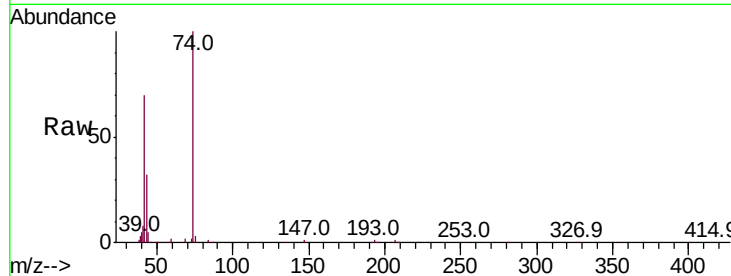


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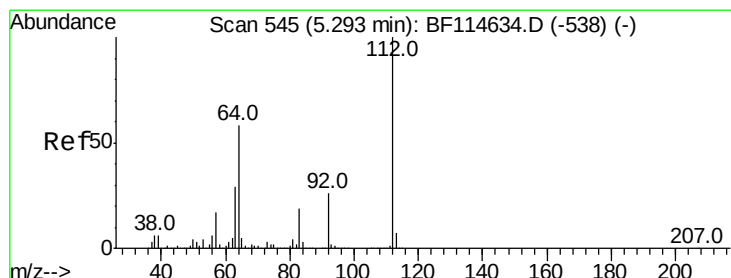
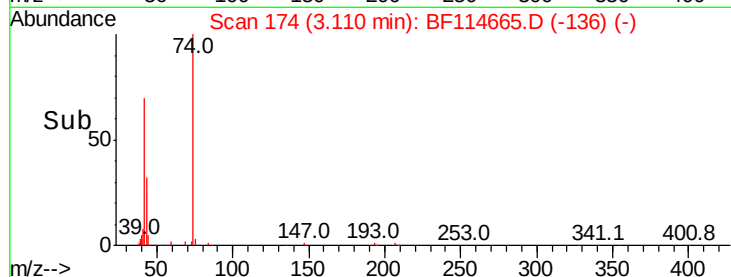
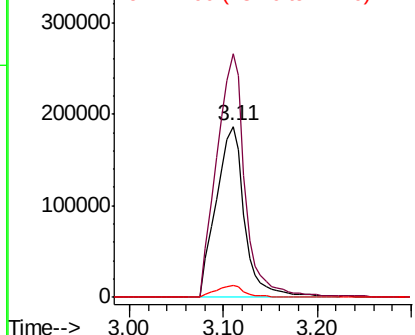
n-Nitrosodimethylamine
 Concen: 7.321 ng
 RT: 3.11 min Scan# 174
 Delta R.T. 0.12 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
74	142.4	110.0	165.0
44	6.7	5.6	8.4



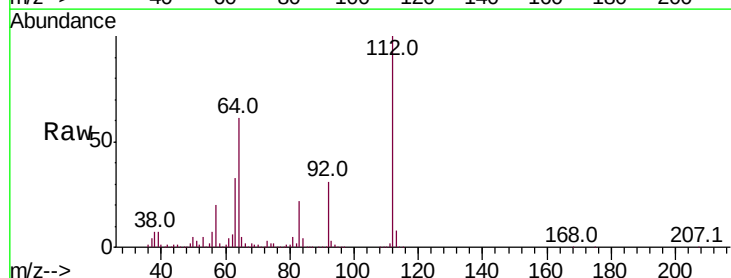
Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1



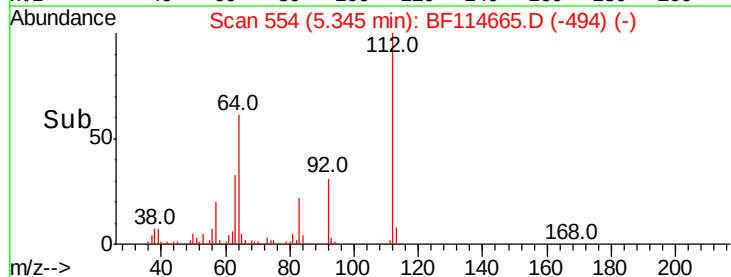
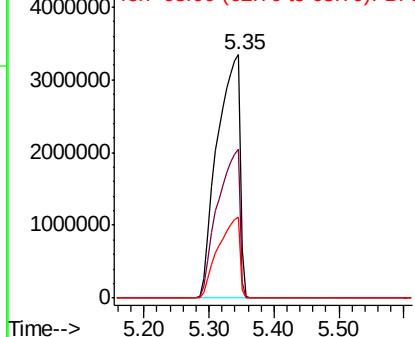
#5

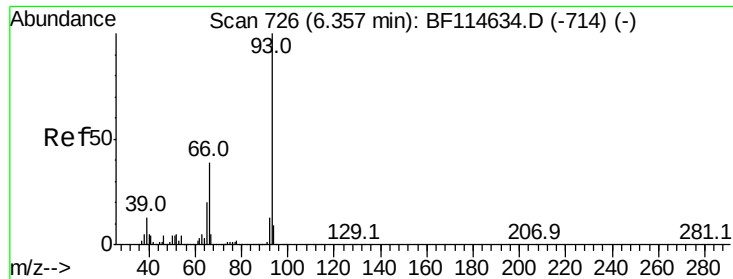
2-Fluorophenol
 Concen: 85.413 ng
 RT: 5.35 min Scan# 554
 Delta R.T. 0.05 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	46.1	69.1
63	33.4	23.4	35.2



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: 4.231 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.05 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

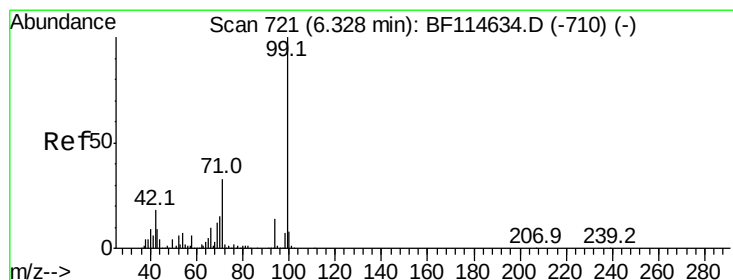
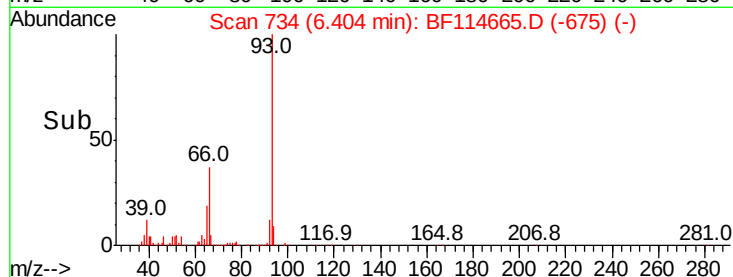
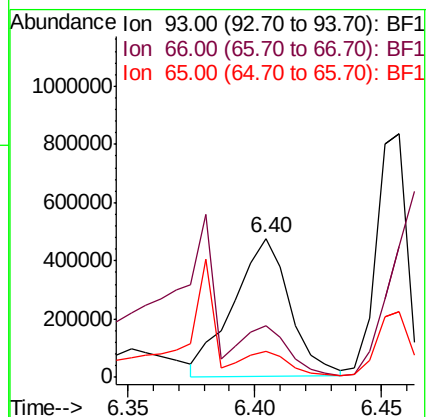
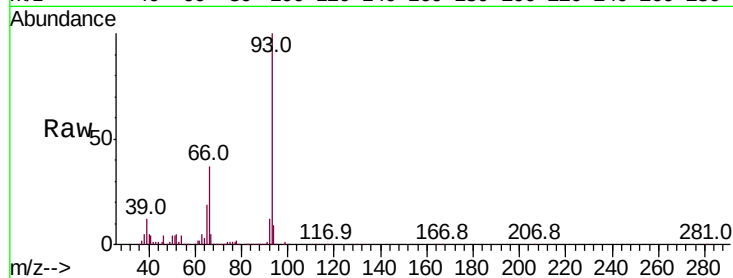
Tot Ion: 93 Resp: 733527

Ion Ratio Lower Upper

93 100

66 37.1 31.4 47.2

65 18.6 16.2 24.2



#7

Phenol-d6

Concen: 86.222 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.05 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

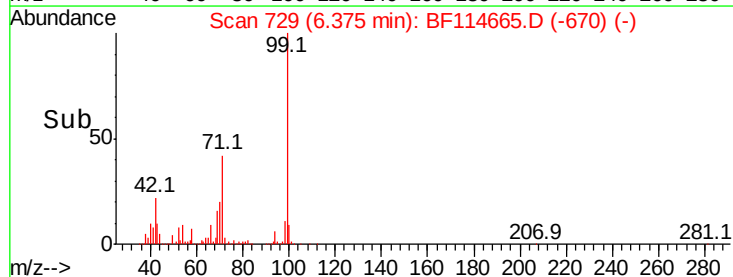
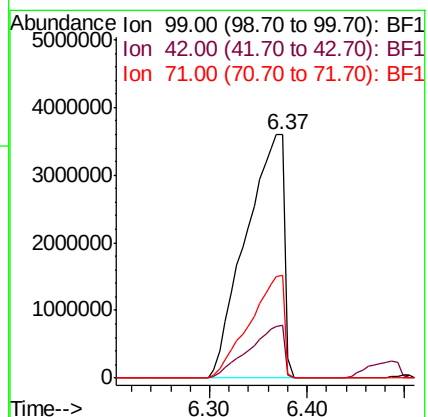
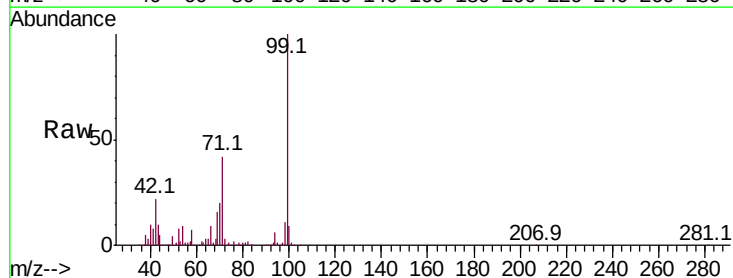
Tgt Ion: 99 Resp: 9895333

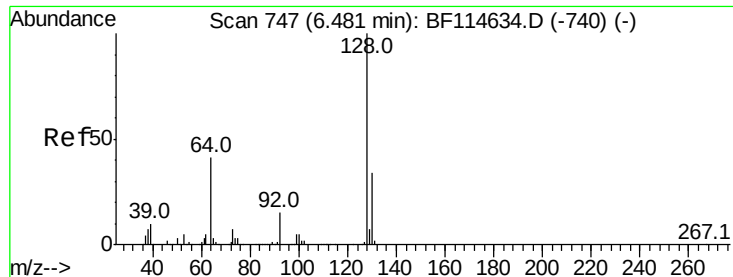
Ion Ratio Lower Upper

99 100

42 21.9 14.7 22.1

71 42.3 26.6 40.0#





#8

2-Chlorophenol

Concen: 6.618 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.02 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

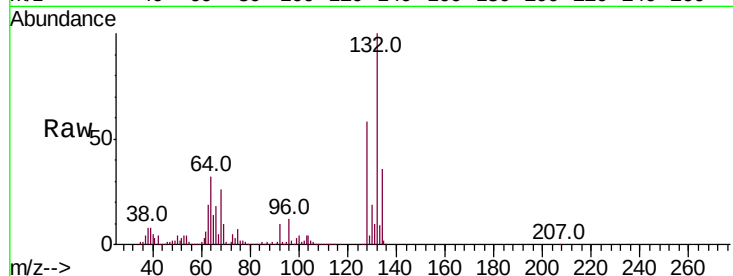
Tot Ion:128 Resp: 727932

Ion Ratio Lower Upper

128 100

130 32.5 13.9 53.9

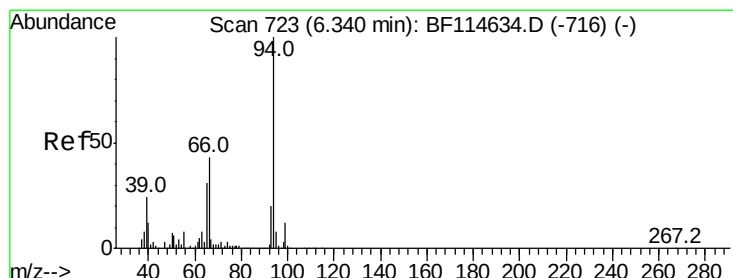
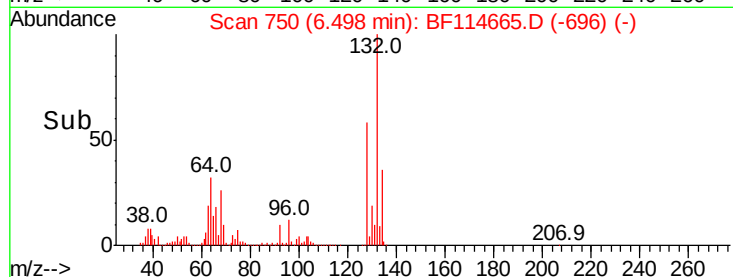
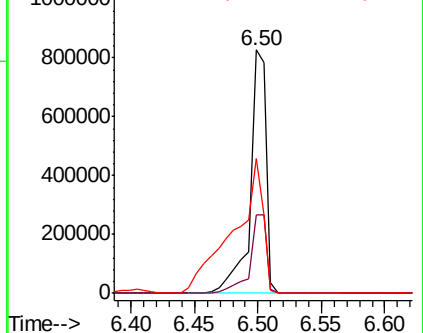
64 55.4 22.0 62.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



#10

Phenol

Concen: 6.496 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.04 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

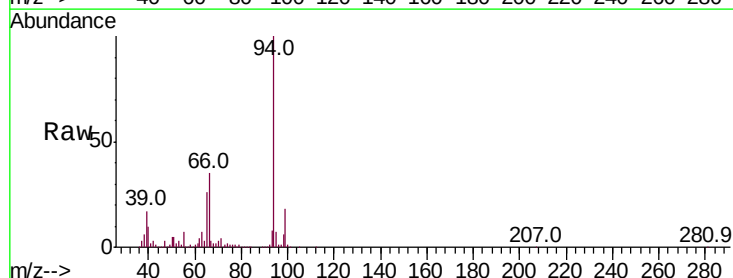
Tgt Ion: 94 Resp: 900623

Ion Ratio Lower Upper

94 100

65 25.7 11.0 51.0

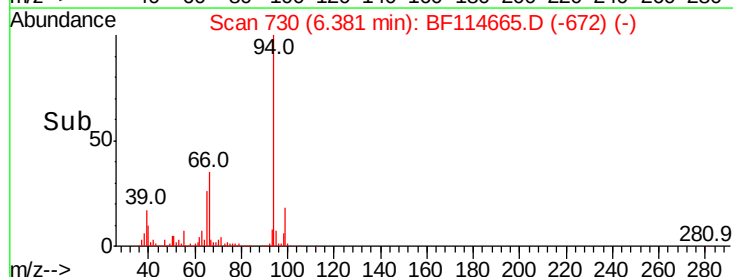
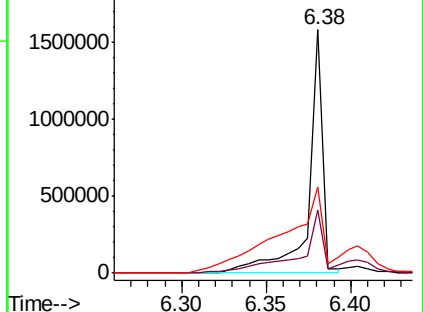
66 35.2 23.0 63.0

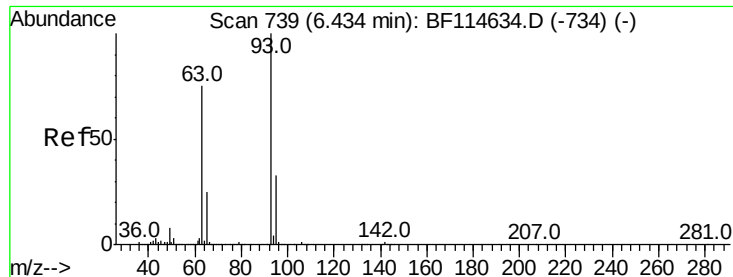


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

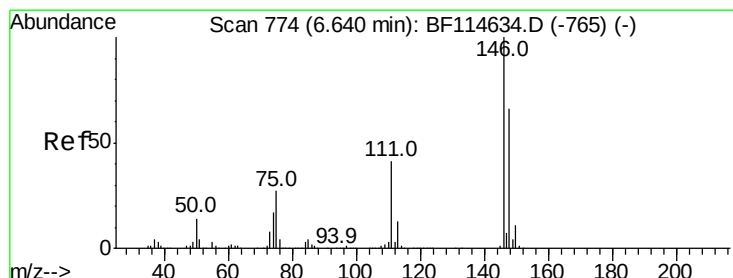
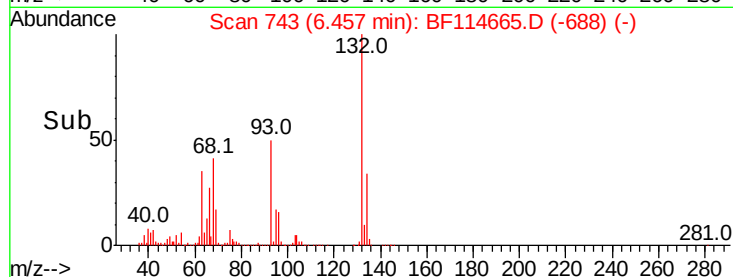
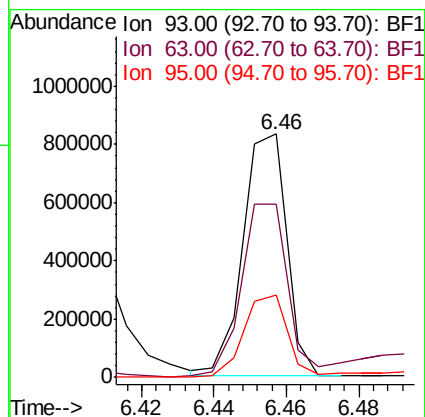
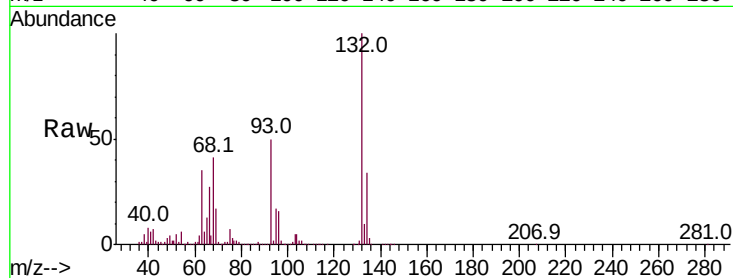




#11
bis(2-Chloroethyl)ether
Concen: 6.547 ng
RT: 6.46 min Scan# 743
Delta R.T. 0.02 min
Lab File: BF114665.D
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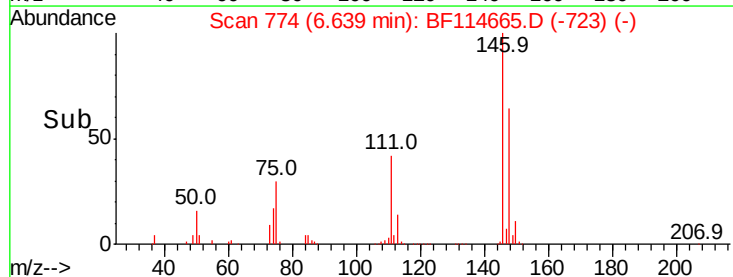
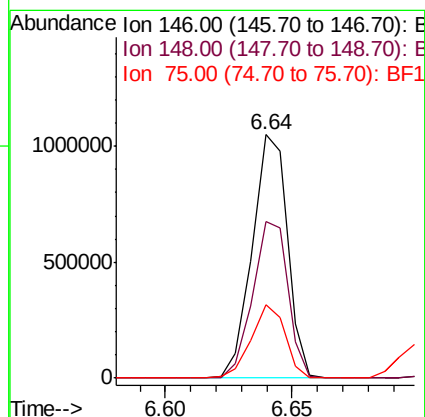
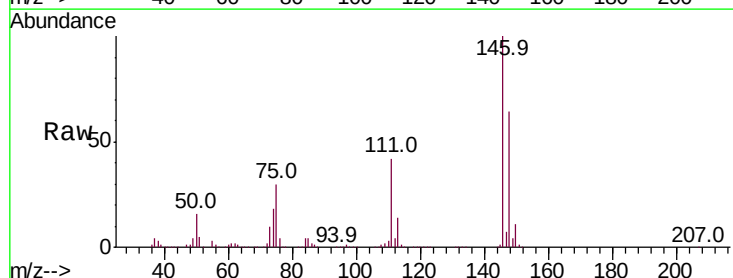
Instrument :
BNA_F
ClientSampleId :

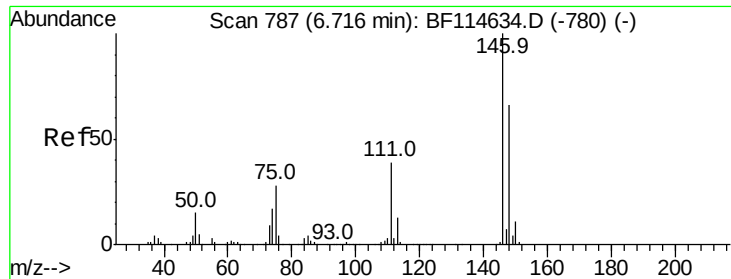
Tot Ion: 93 Resp: 694328
Ion Ratio Lower Upper
93 100
63 70.9 55.0 95.0
95 33.7 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 8.135 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion: 146 Resp: 1019354
Ion Ratio Lower Upper
146 100
148 64.3 52.9 79.3
75 30.3 22.0 33.0

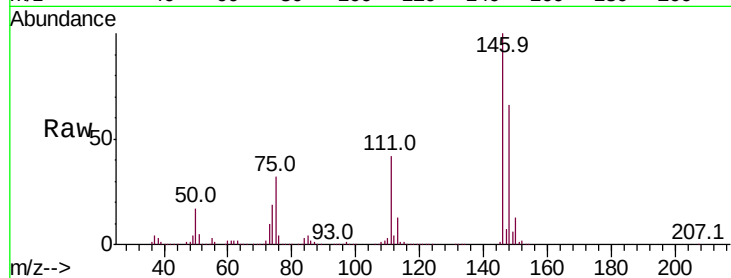




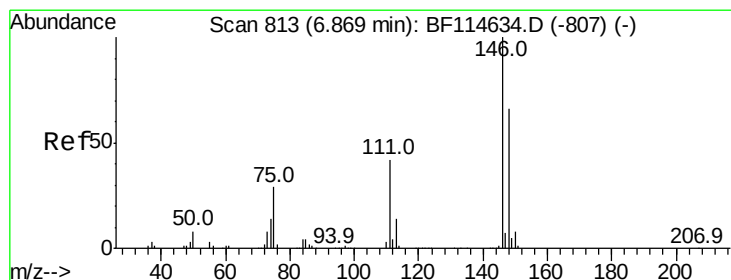
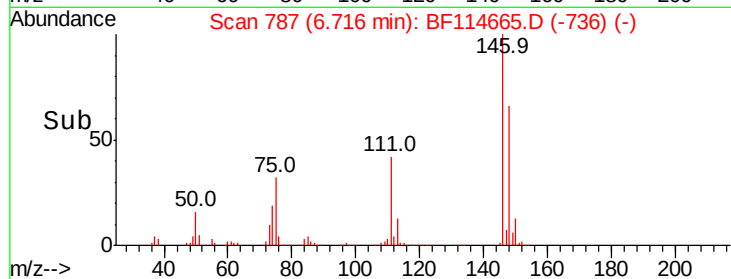
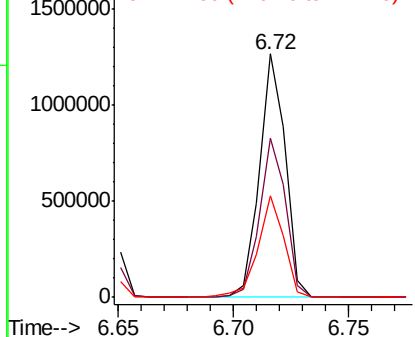
#13
 1,4-Dichlorobenzene
 Concen: 7.845 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 986153
 Ion Ratio Lower Upper
 146 100
 148 65.6 52.5 78.7
 111 41.7 31.4 47.2

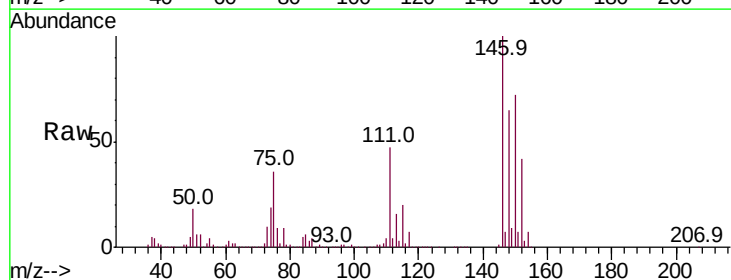


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

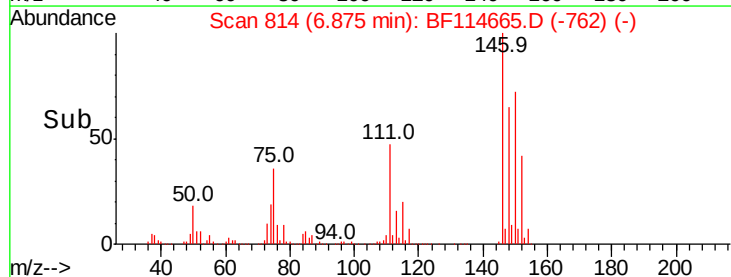
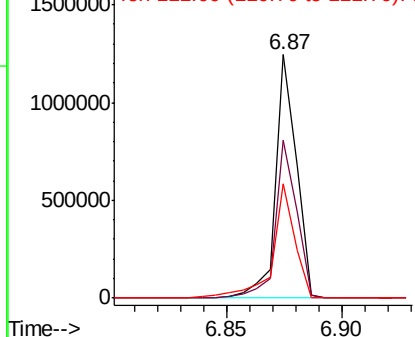


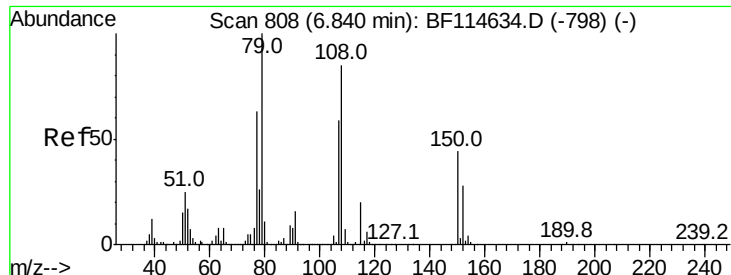
#14
 1,2-Dichlorobenzene
 Concen: 6.765 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.01 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion:146 Resp: 774221
 Ion Ratio Lower Upper
 146 100
 148 64.7 52.6 79.0
 111 46.9 34.1 51.1



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 8.105 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

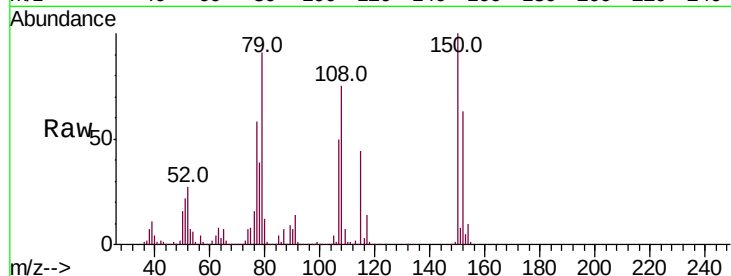
Tot Ion: 79 Resp: 731705

Ion Ratio Lower Upper

79 100

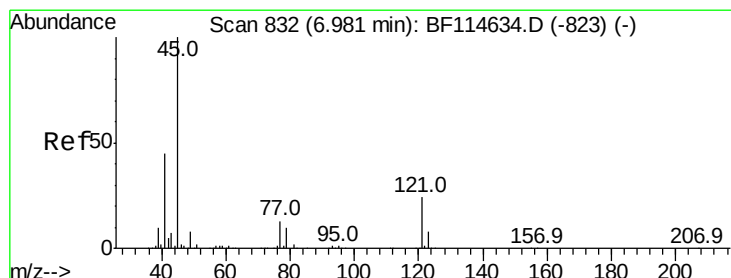
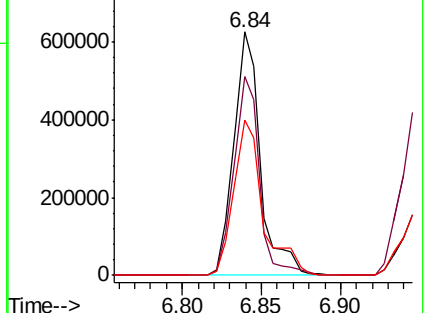
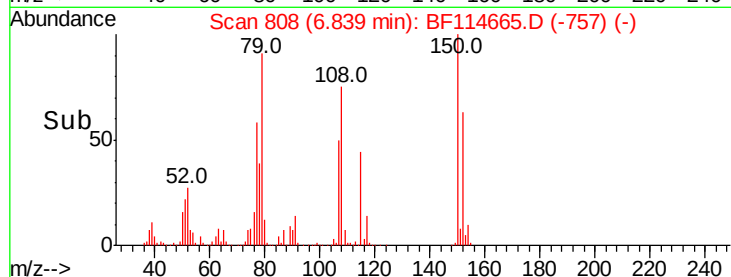
108 81.9 67.8 101.8

77 63.9 50.7 76.1



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

6.84



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.582 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

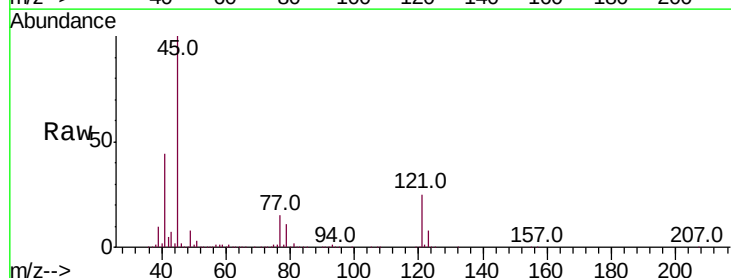
Tgt Ion: 45 Resp: 1233199

Ion Ratio Lower Upper

45 100

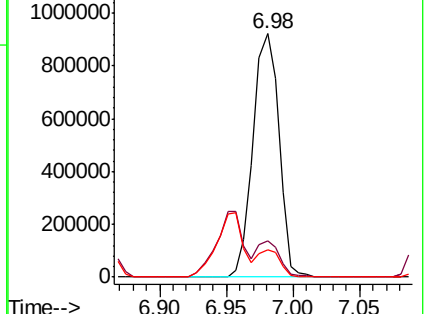
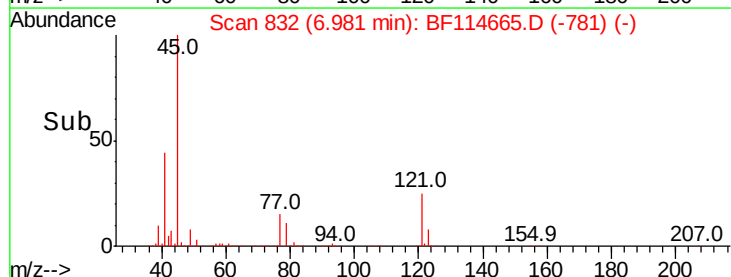
77 15.0 0.0 34.7

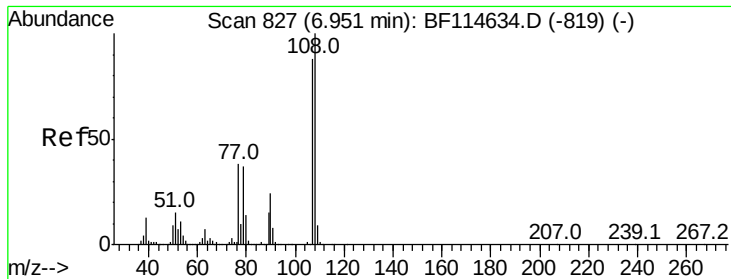
79 11.4 0.0 31.3



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

6.98





#17

2-Methylphenol

Concen: 8.238 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 766338

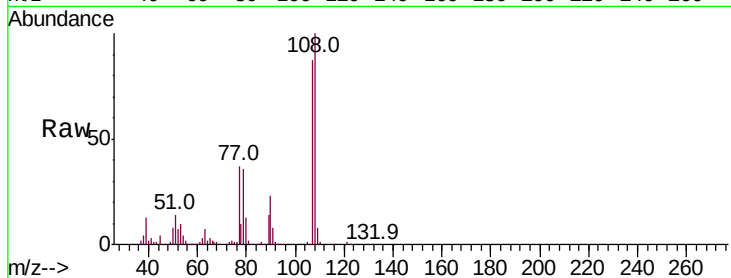
Ion Ratio Lower Upper

107 100

108 114.6 91.1 136.7

77 42.4 34.9 52.3

79 41.4 33.8 50.6

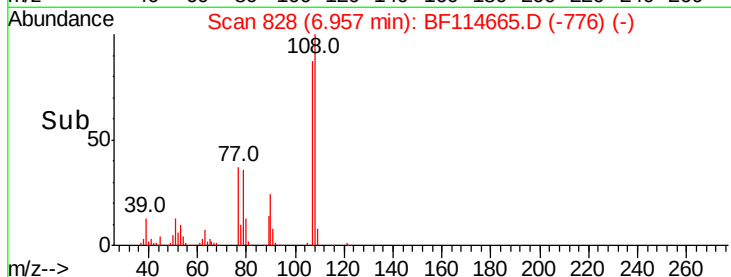


Abundance Ion 107.00 (106.70 to 107.70): E

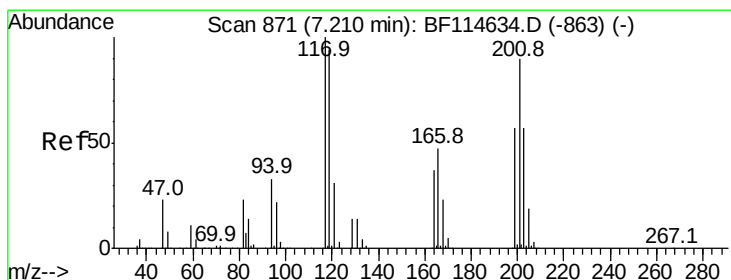
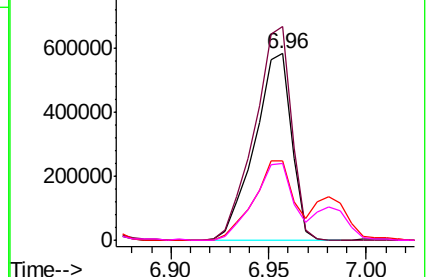
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#18

Hexachloroethane

Concen: 7.827 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

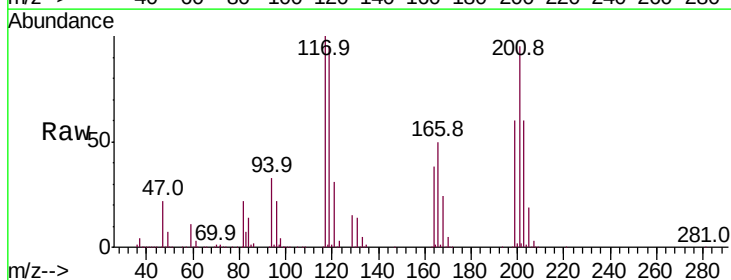
Tgt Ion:117 Resp: 372536

Ion Ratio Lower Upper

117 100

119 95.3 75.6 113.4

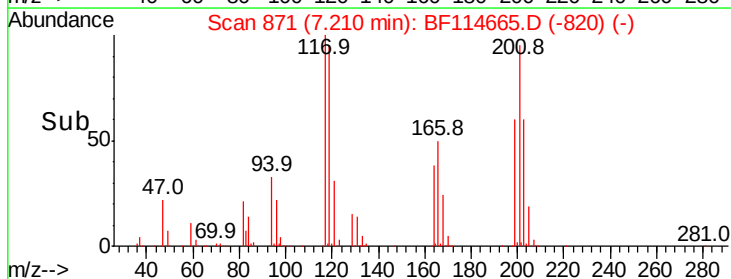
201 95.1 71.7 107.5



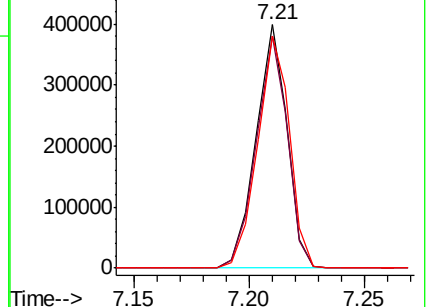
Abundance Ion 117.00 (116.70 to 117.70): E

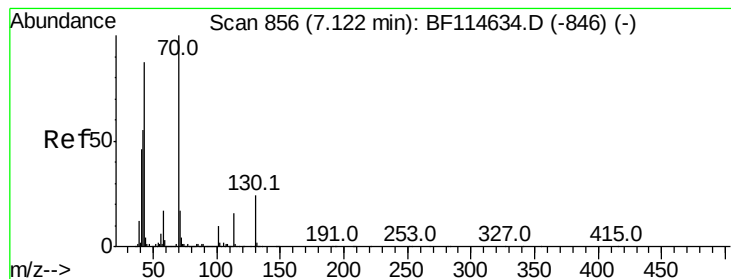
Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 8.084 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 640401

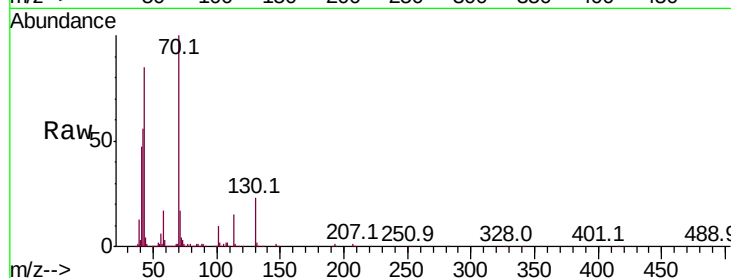
Ion Ratio Lower Upper

70 100

42 56.0 44.4 66.6

101 10.2 8.2 12.4

130 22.9 19.4 29.0

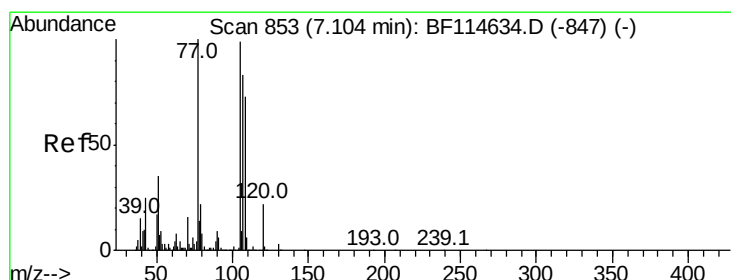
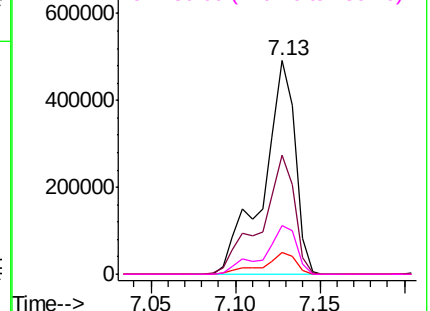
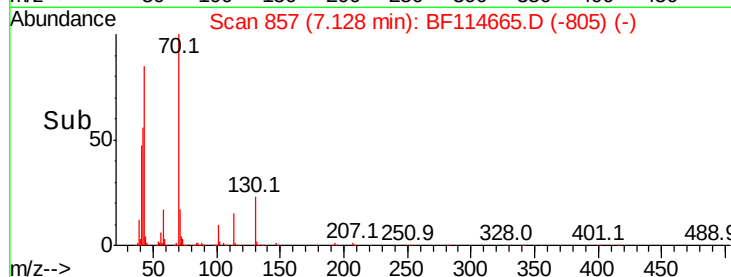


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 8.207 ng

RT: 7.12 min Scan# 855

Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Tgt Ion: 107 Resp: 897929

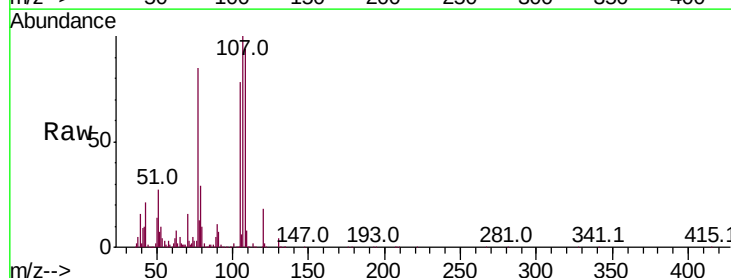
Ion Ratio Lower Upper

107 100

108 93.6 68.6 108.6

77 84.6 100.5 140.5#

79 29.5 7.0 47.0

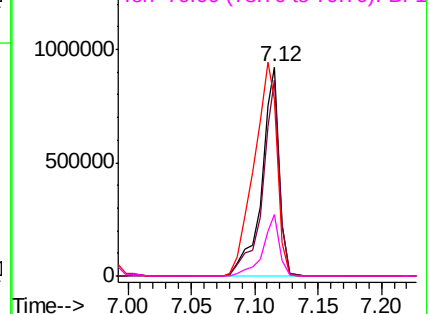
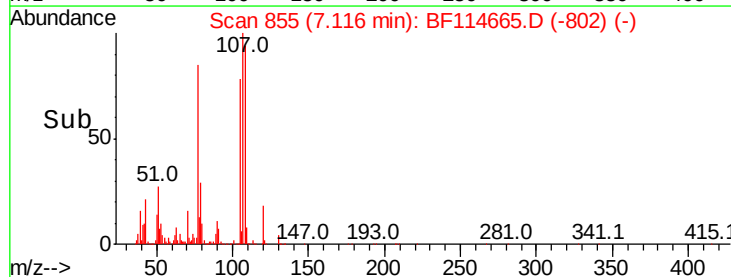


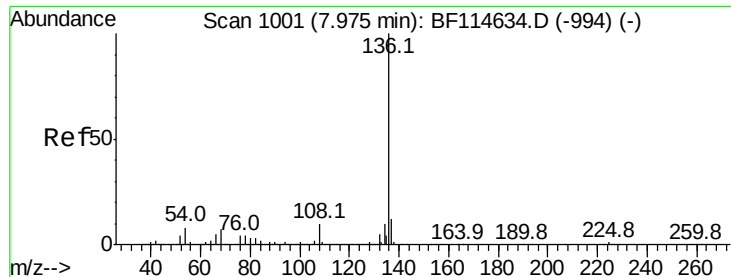
Abundance Ion 107.00 (106.70 to 107.70): E

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



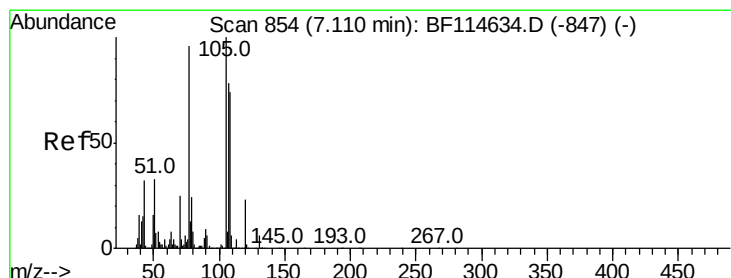
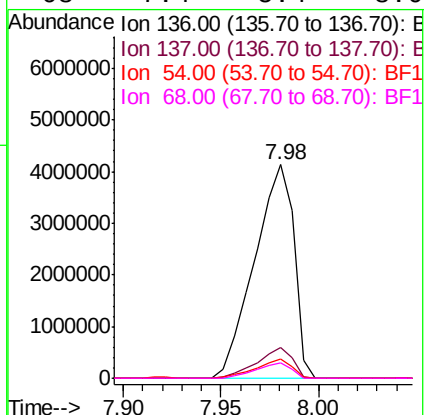
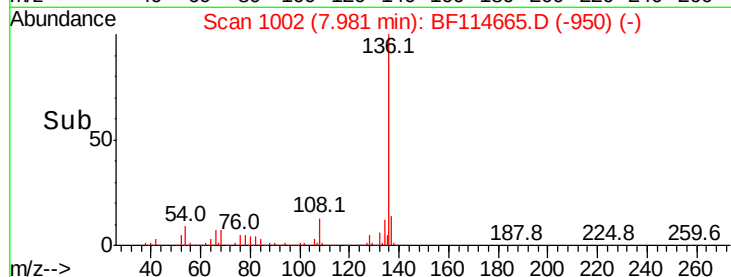
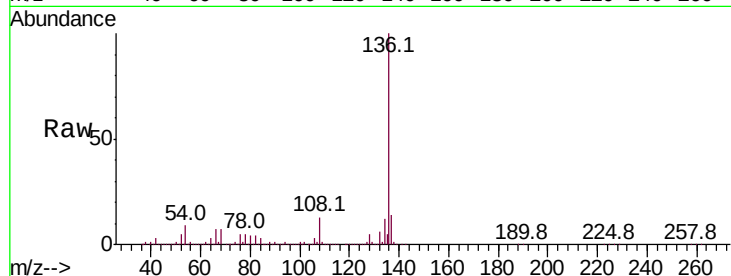


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 5775955

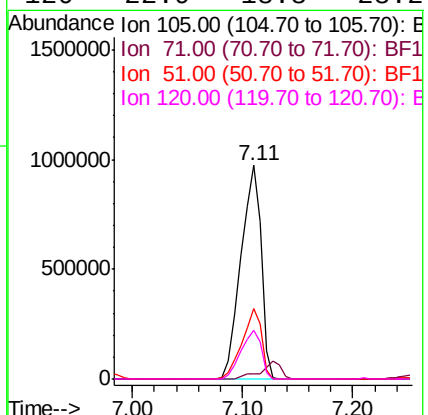
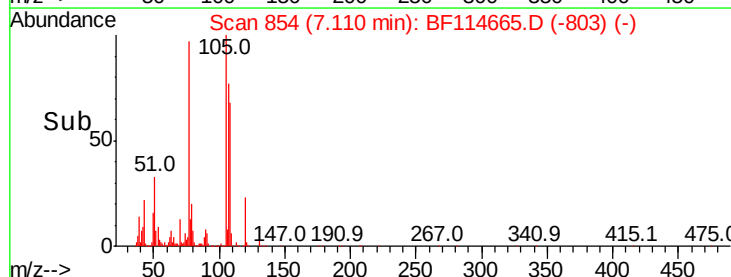
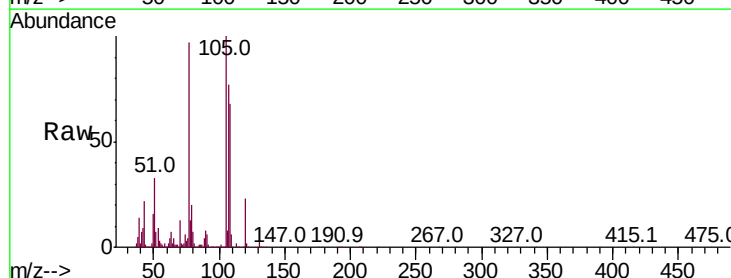
Ion	Ratio	Lower	Upper
136	100		
137	14.5	9.3	13.9#
54	9.0	6.3	9.5
68	7.4	5.4	8.0

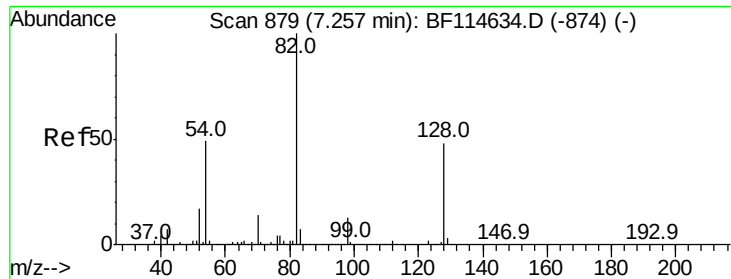


#22
Acetophenone
Concen: 10.228 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion:105 Resp: 1258768

Ion	Ratio	Lower	Upper
105	100		
71	2.3	3.6	5.4#
51	33.0	26.0	39.0
120	22.9	18.8	28.2





#23

Nitrobenzene-d5

Concen: 75.965 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.02 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

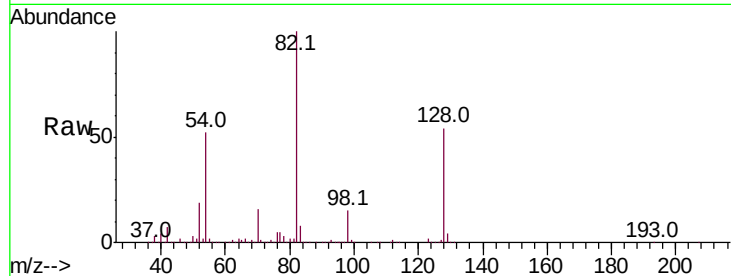
Tot Ion: 82 Resp: 7032818

Ion Ratio Lower Upper

82 100

128 54.2 38.5 57.7

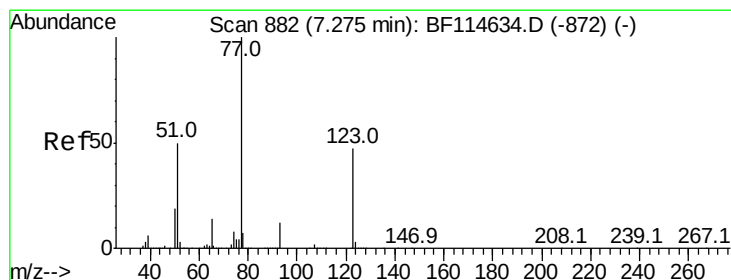
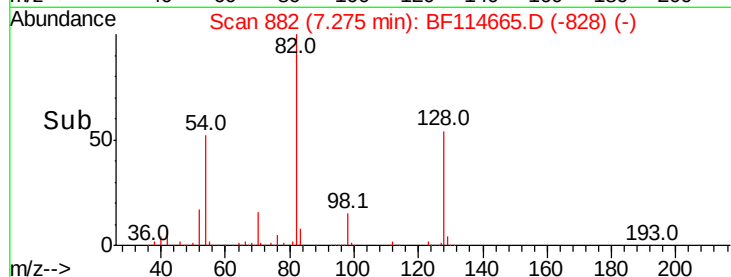
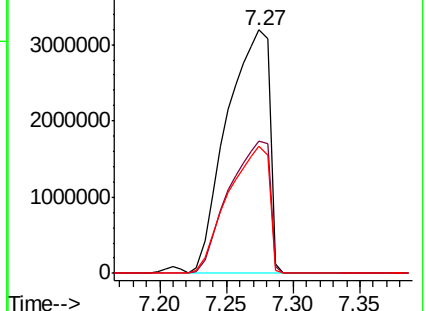
54 52.3 39.1 58.7



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 8.498 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

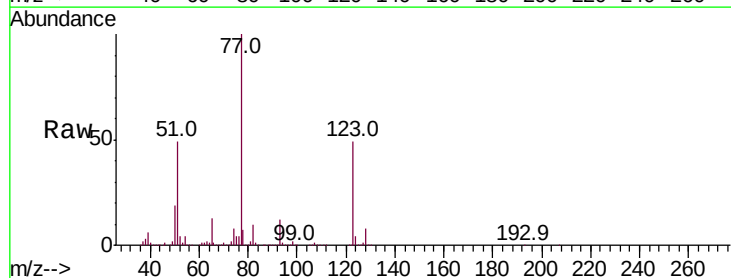
Tgt Ion: 77 Resp: 835699

Ion Ratio Lower Upper

77 100

123 49.0 38.5 57.7

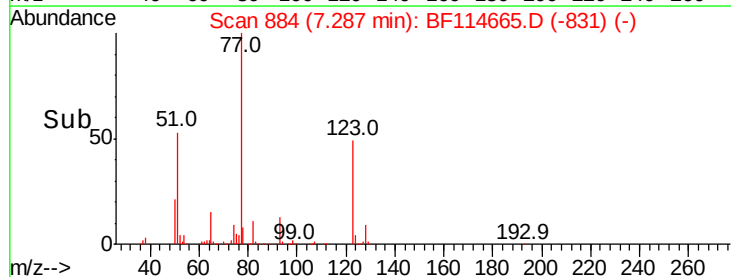
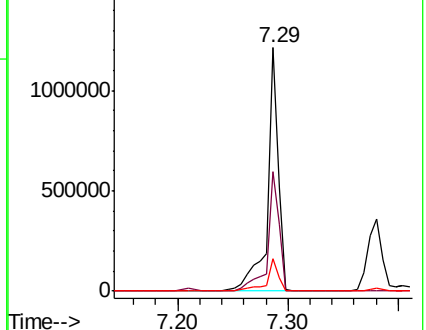
65 13.3 11.2 16.8

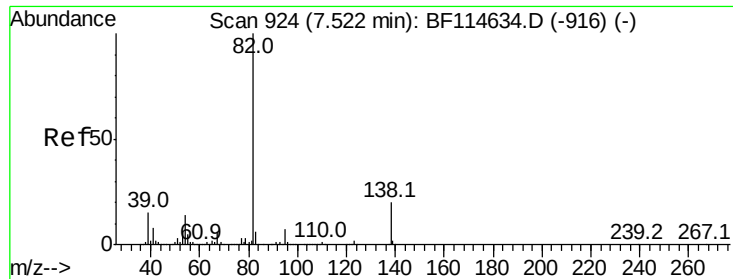


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 9.155 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

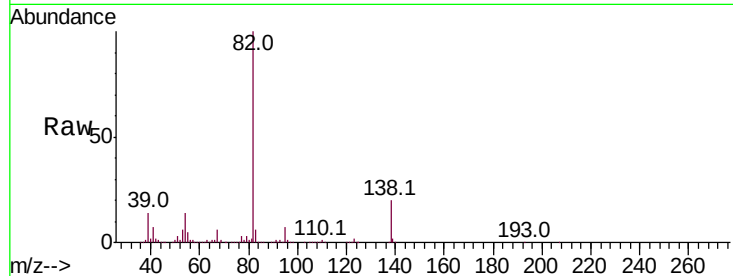
Tot Ion: 82 Resp: 1700864

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

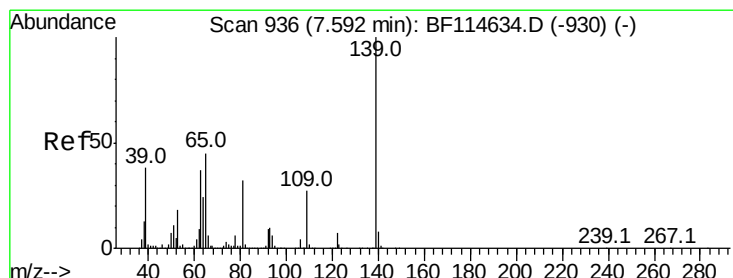
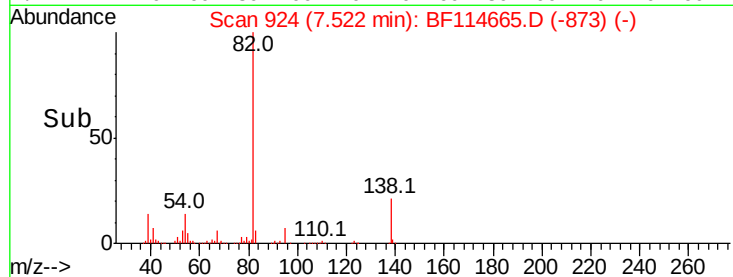
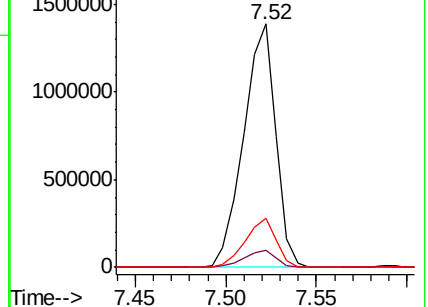
138 20.3 15.9 23.9



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: 9.891 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

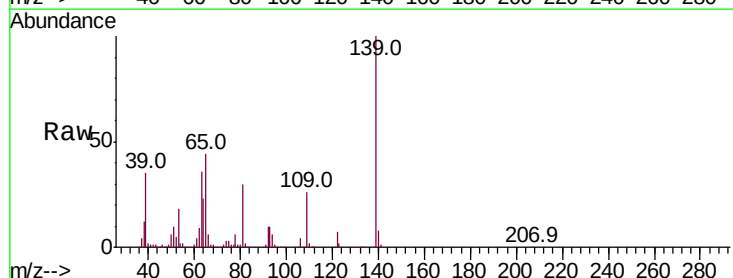
Tgt Ion: 139 Resp: 473466

Ion Ratio Lower Upper

139 100

109 26.2 21.7 32.5

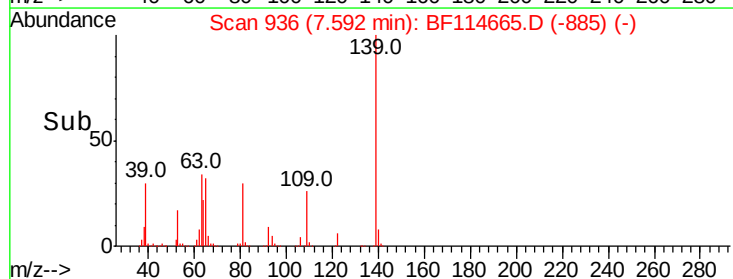
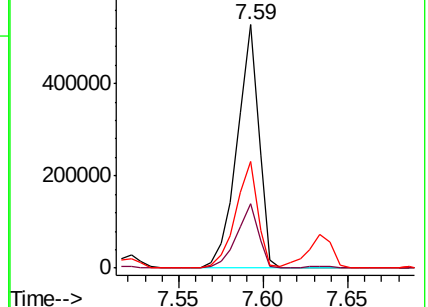
65 43.9 36.3 54.5

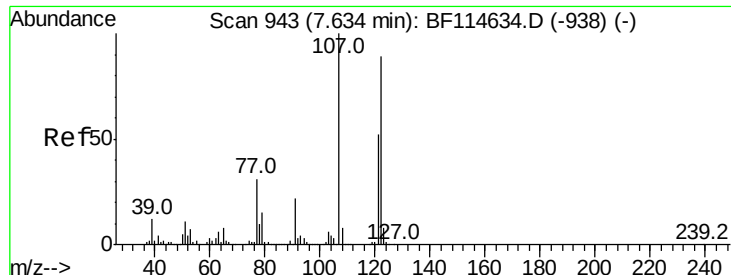


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

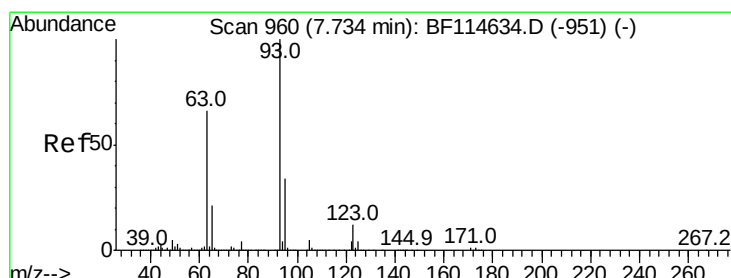
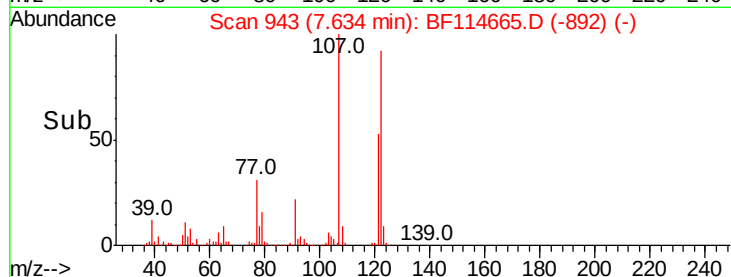
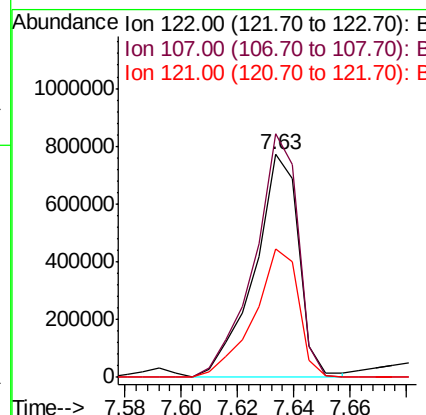
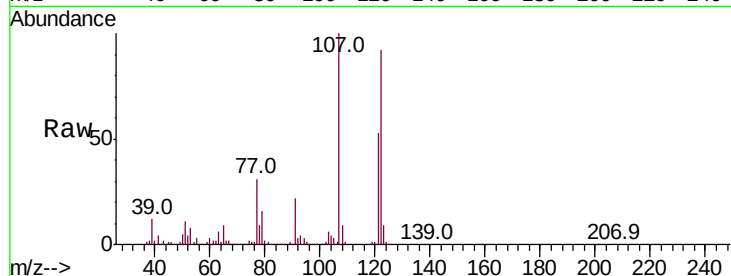




#27
 2,4-Dimethylphenol
 Concen: 10.556 ng
 RT: 7.63 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

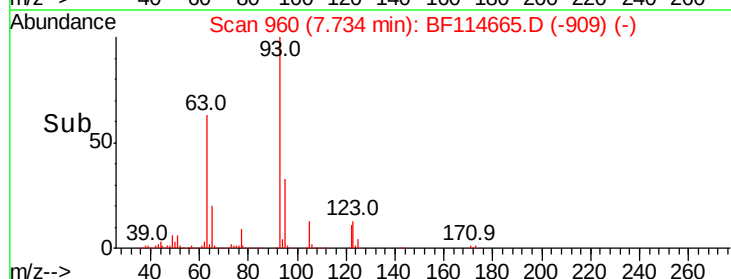
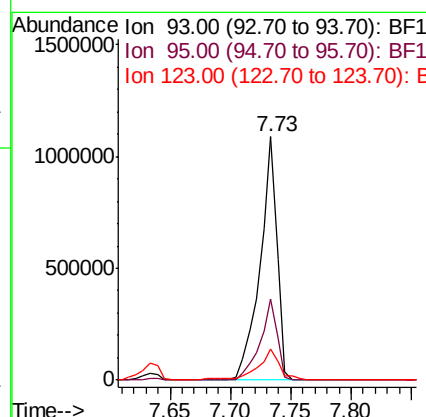
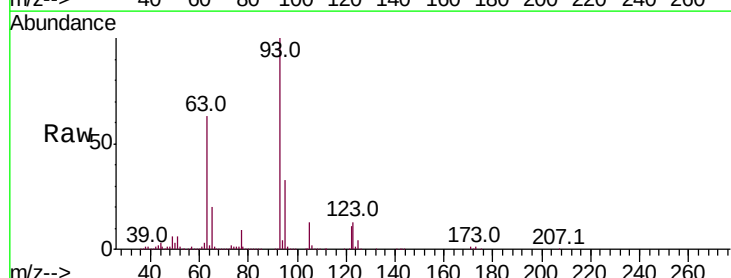
Instrument :
 BNA_F
 ClientSampleId :

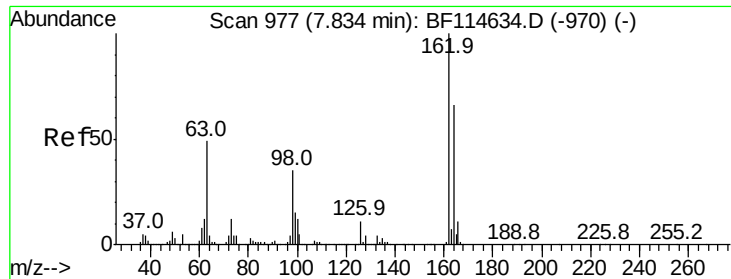
Tot Ion:122 Resp: 840429
 Ion Ratio Lower Upper
 122 100
 107 109.2 89.3 133.9
 121 57.7 46.8 70.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 9.075 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion: 93 Resp: 1073302
 Ion Ratio Lower Upper
 93 100
 95 33.2 27.0 40.4
 123 12.7 10.2 15.2

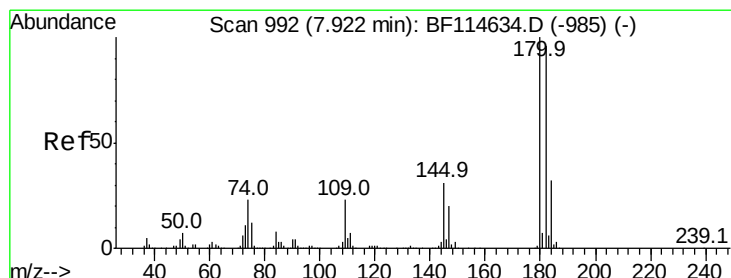
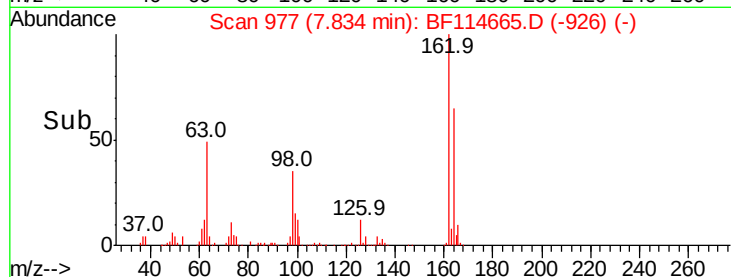
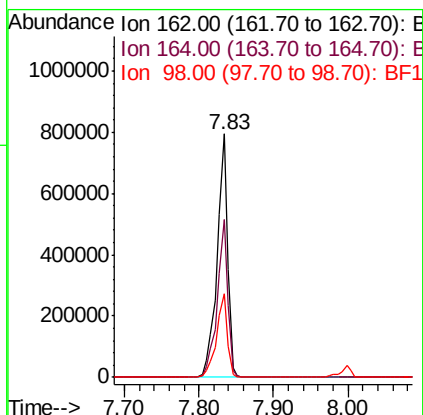
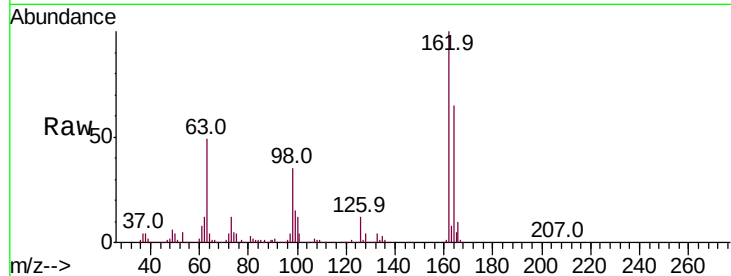




#29
2,4-Dichlorophenol
Concen: 9.589 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

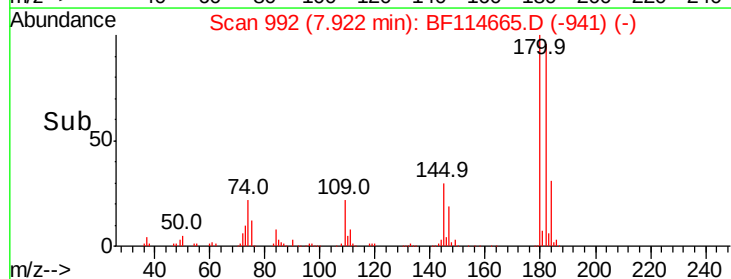
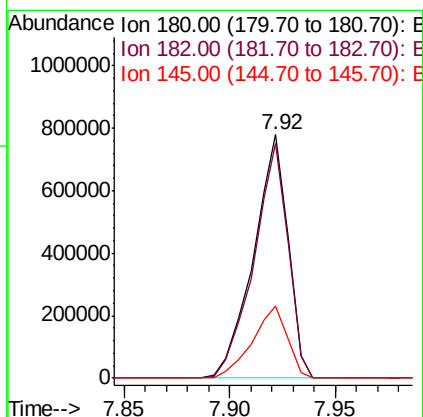
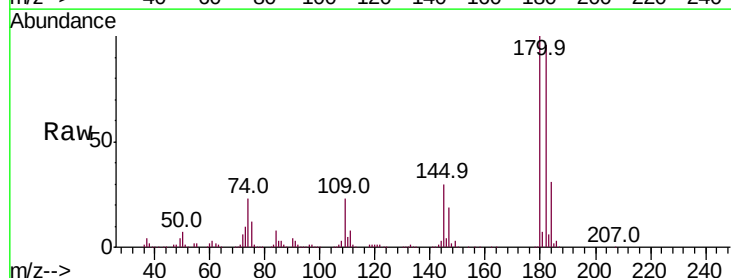
Instrument :
BNA_F
ClientSampleId :

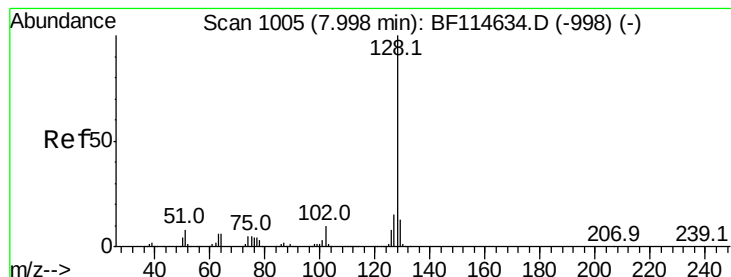
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.9	45.8	85.8
98	34.6	14.9	54.9



#30
1,2,4-Trichlorobenzene
Concen: 9.546 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	29.5	24.5	36.7





#31

Naphthalene

Concen: 9.243 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

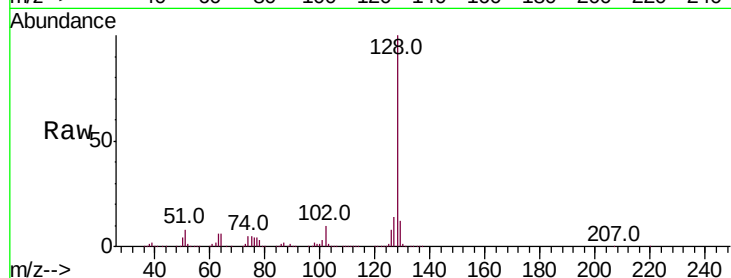
Instrument :

BNA_F

ClientSampleId :

Tot Ion:128 Resp: 2459167

Ion	Ratio	Lower	Upper
128	100		
129	12.4	10.2	15.2
127	14.4	11.9	17.9

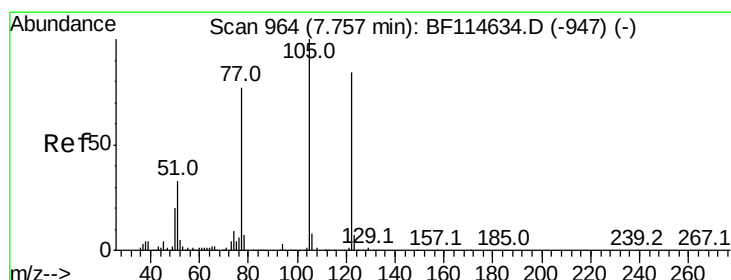
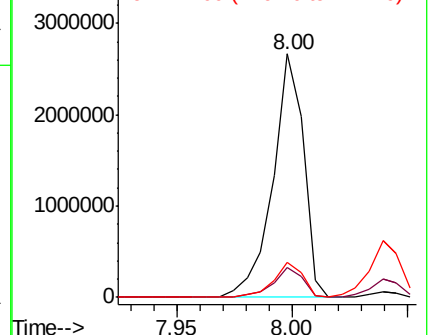
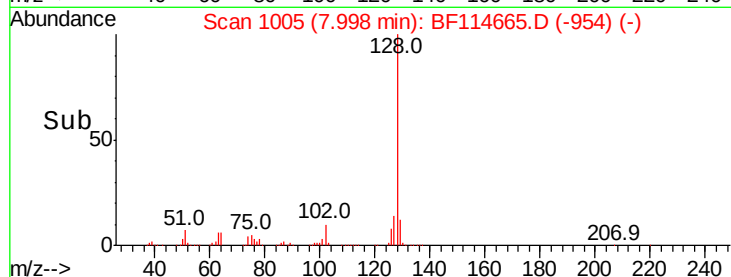


Abundance

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: 10.119 ng

RT: 7.75 min Scan# 963

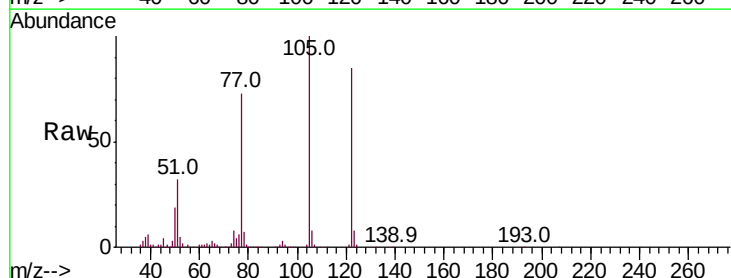
Delta R.T. -0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Tgt Ion:122 Resp: 523289

Ion	Ratio	Lower	Upper
122	100		
105	118.1	98.3	138.3
77	85.7	70.7	110.7

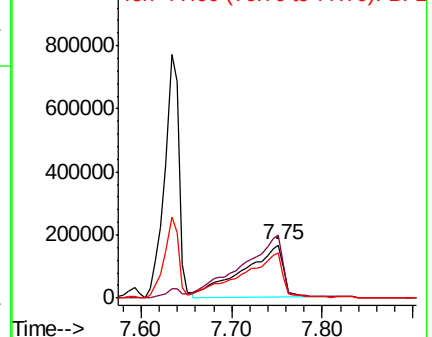
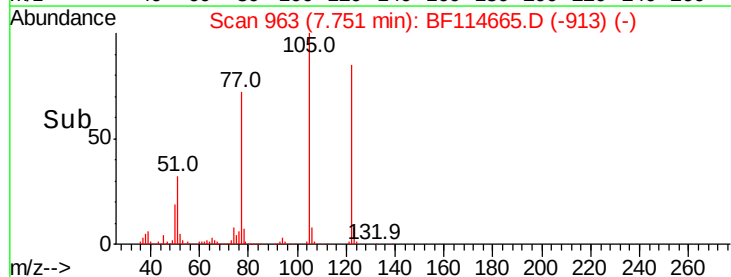


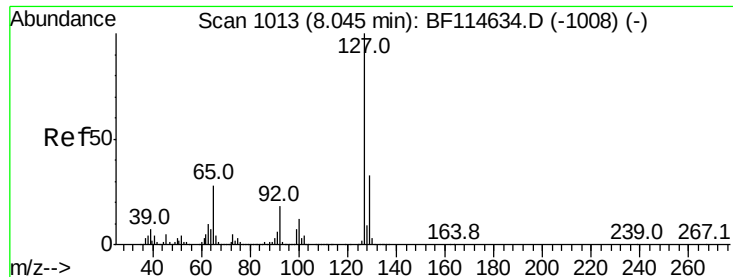
Abundance

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

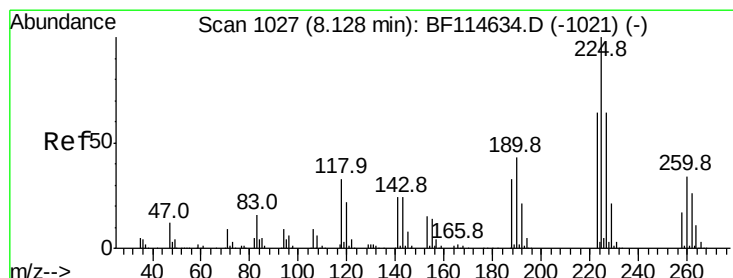
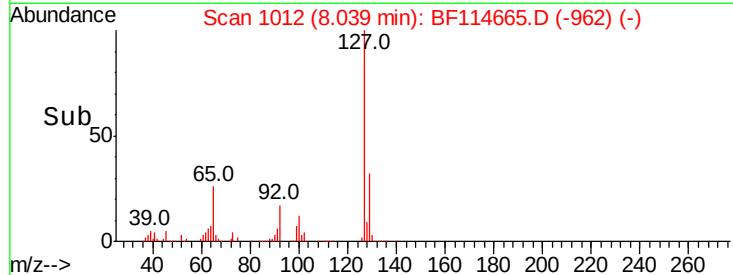
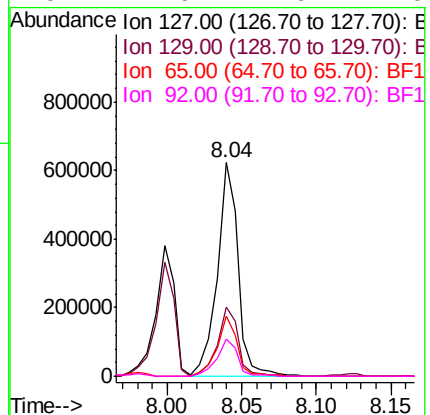
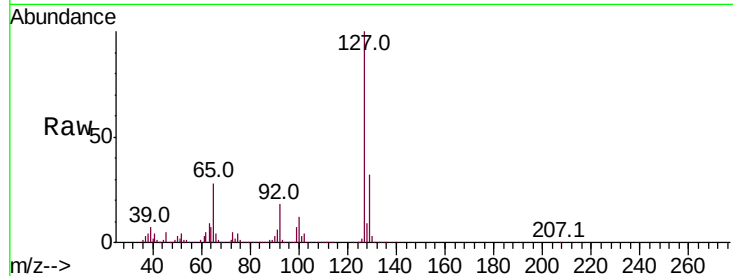




#33
4-Chloroaniline
Concen: 4.785 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

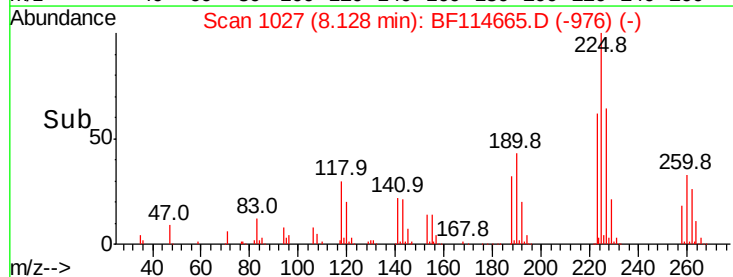
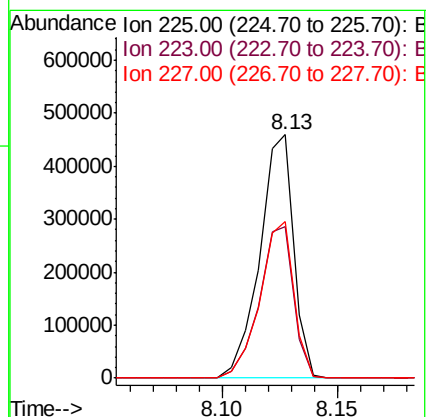
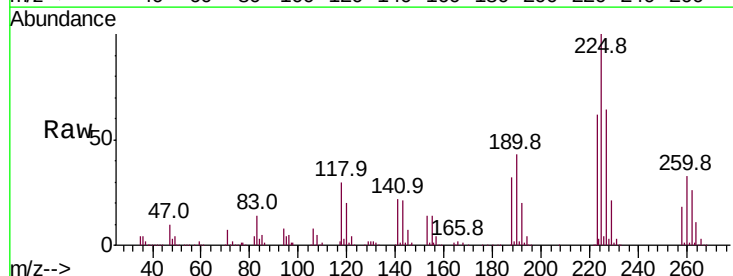
Instrument :
BNA_F
ClientSampled :

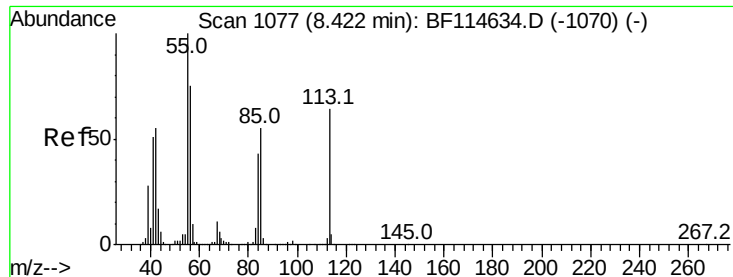
Tot Ion:127	Resp:	606580
Ion Ratio	Lower	Upper
127	100	
129	32.4	26.7 40.1
65	28.0	22.5 33.7
92	17.6	14.6 22.0



#34
Hexachlorobutadiene
Concen: 9.174 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion:225	Resp:	470495
Ion Ratio	Lower	Upper
225	100	
223	62.0	50.9 76.3
227	64.2	51.3 76.9

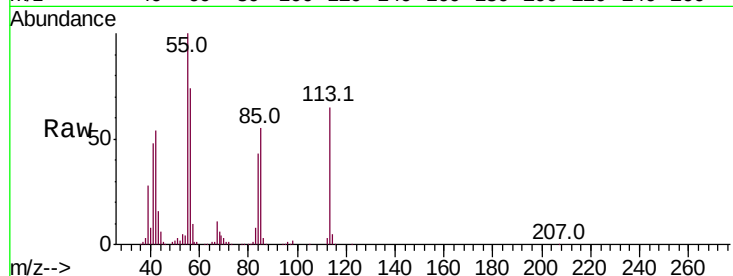




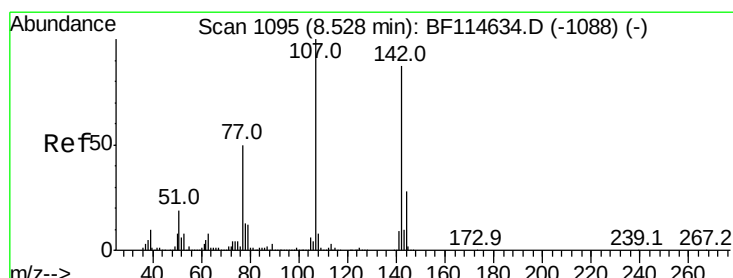
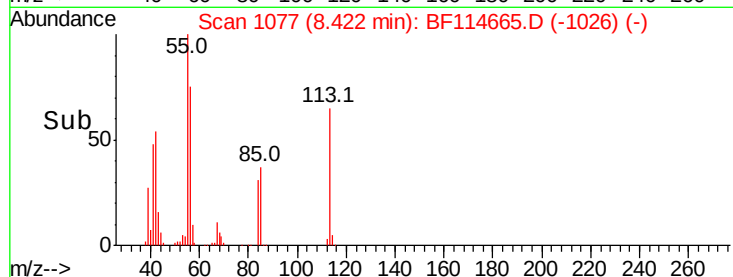
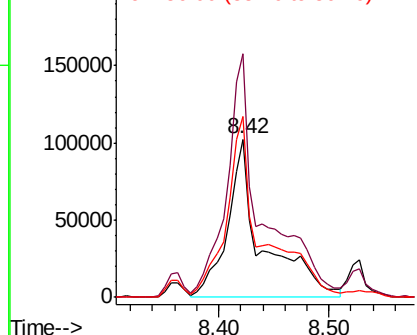
#35
 Caprolactam
 Concen: 8.302 ng
 RT: 8.42 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:113 Resp: 227026
 Ion Ratio Lower Upper
 113 100
 55 154.0 136.4 176.4
 56 114.8 97.0 137.0

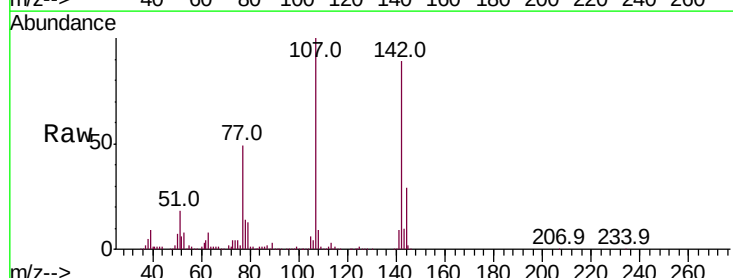


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

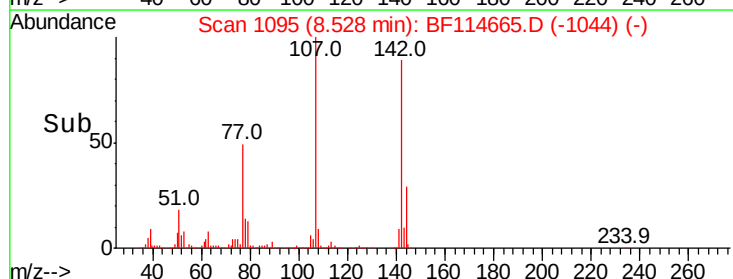
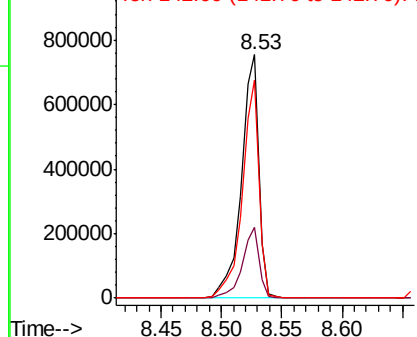


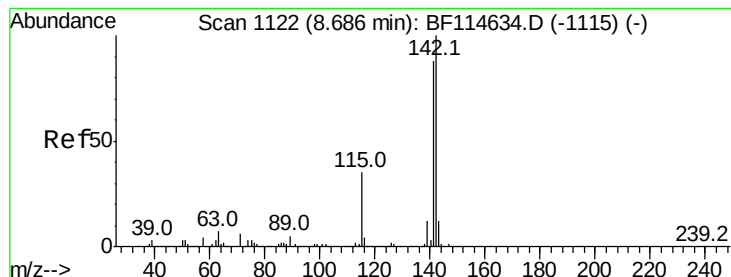
#36
 4-Chloro-3-methylphenol
 Concen: 9.371 ng
 RT: 8.53 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion:107 Resp: 761524
 Ion Ratio Lower Upper
 107 100
 144 29.3 22.5 33.7
 142 89.4 69.8 104.6



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





#37

2-Methylnaphthalene

Concen: 9.991 ng

RT: 8.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampled :

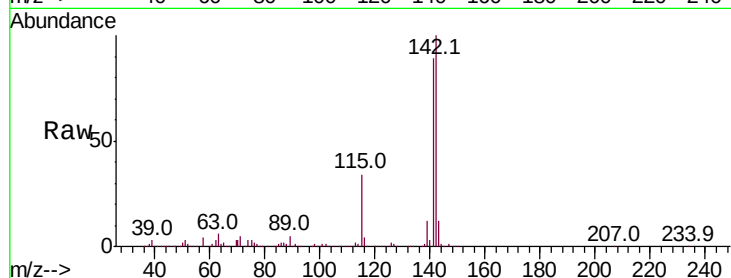
Tot Ion:142 Resp: 1766187

Ion Ratio Lower Upper

142 100

141 89.2 70.3 105.5

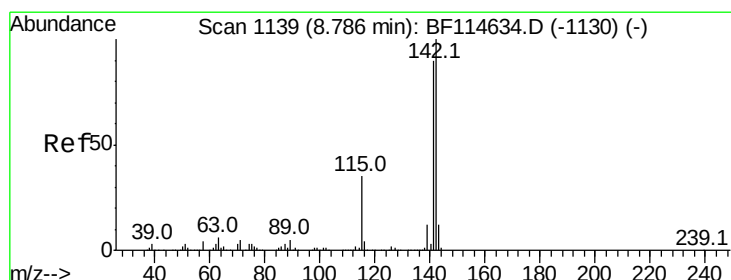
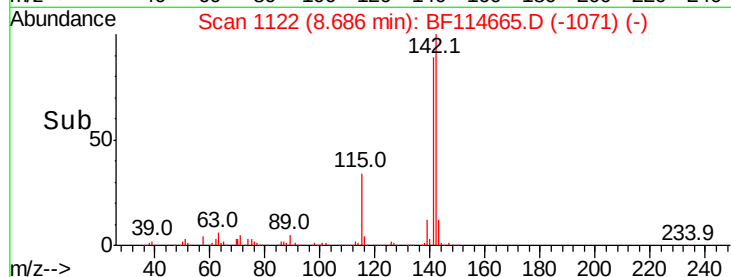
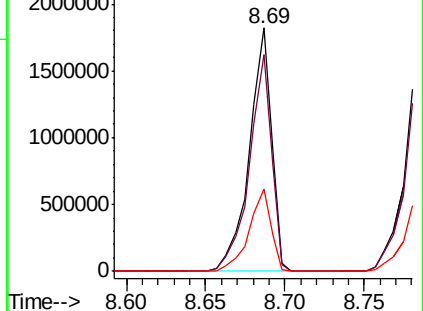
115 33.9 28.0 42.0



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: 9.993 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

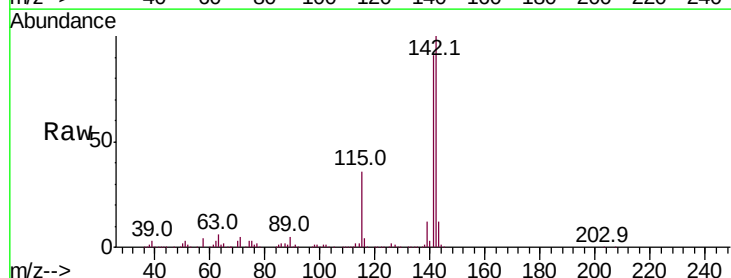
Tgt Ion:142 Resp: 1673589

Ion Ratio Lower Upper

142 100

141 91.1 72.3 108.5

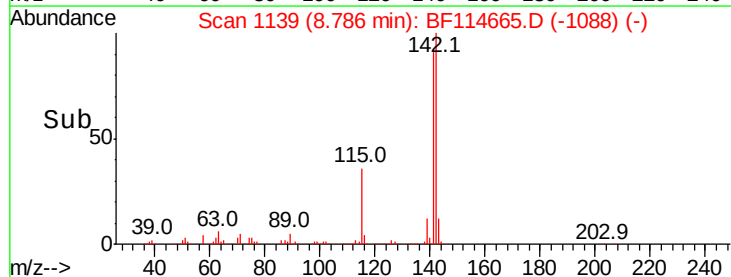
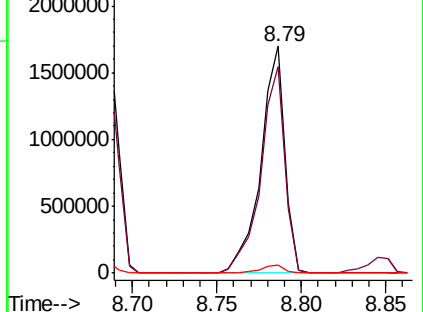
116 3.7 3.0 4.4

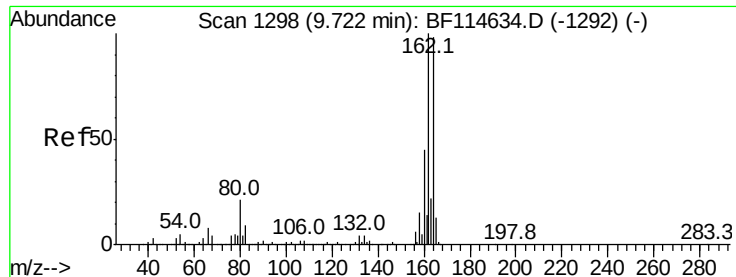


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

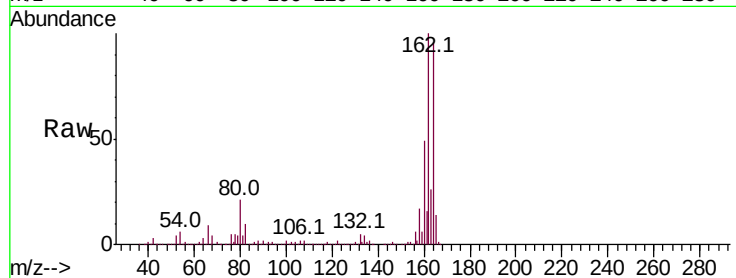
Tot Ion:164 Resp: 2899883

Ion Ratio Lower Upper

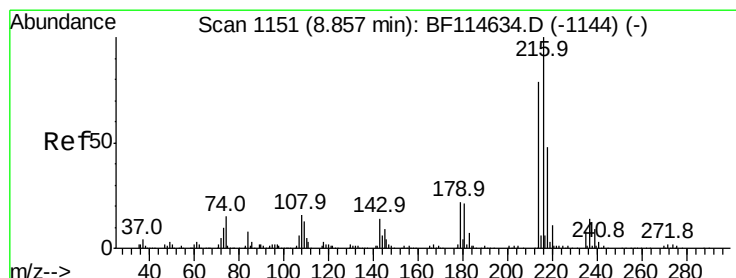
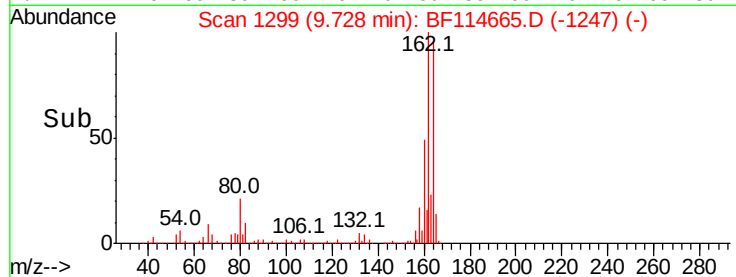
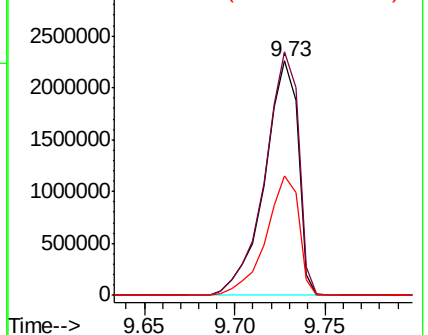
164 100

162 103.9 81.4 122.2

160 50.8 36.6 54.8



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: 9.405 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Tgt Ion:216 Resp: 726335

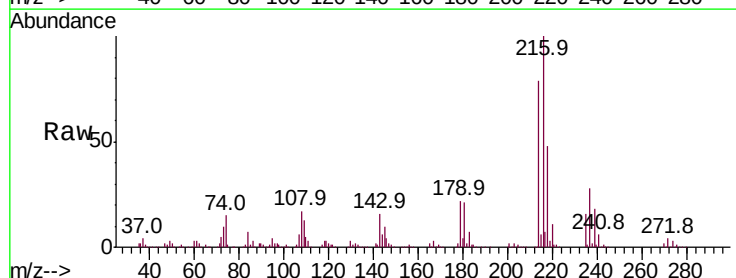
Ion Ratio Lower Upper

216 100

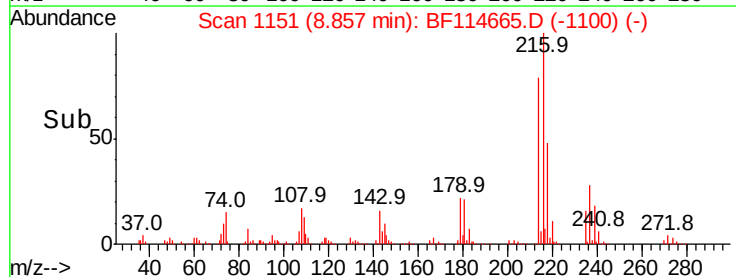
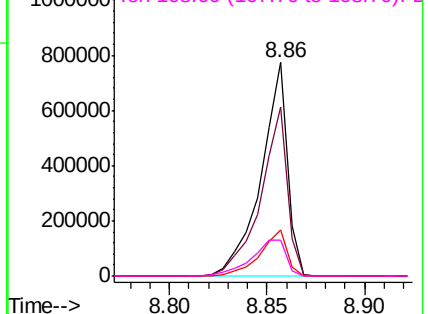
214 79.7 63.2 94.8

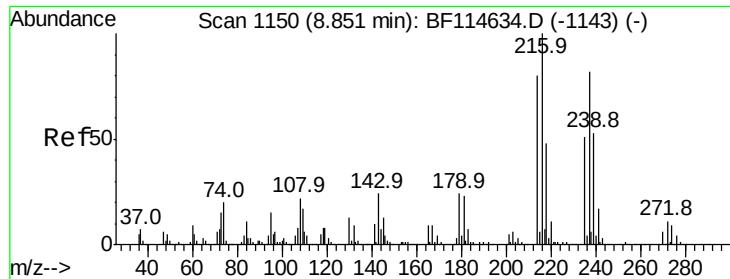
179 22.0 17.9 26.9

108 21.9 15.8 23.8



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: 19.494 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

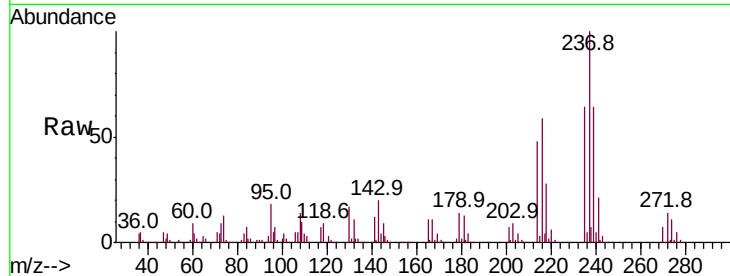
Tot Ion:237 Resp: 994817

Ion Ratio Lower Upper

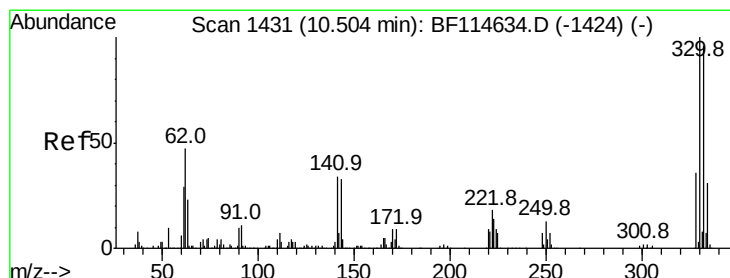
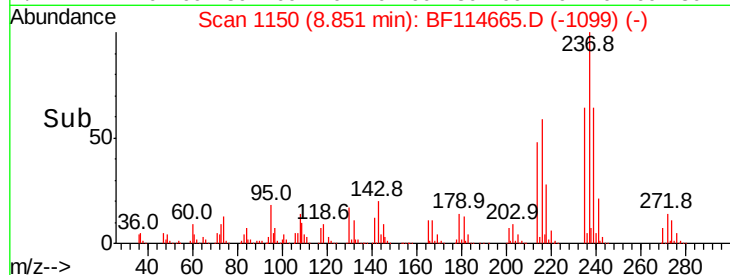
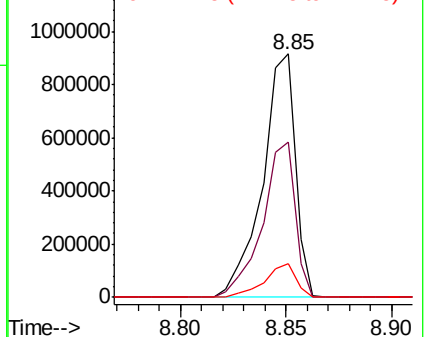
237 100

235 64.0 42.8 82.8

272 13.9 0.0 33.7



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: 110.153 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.02 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

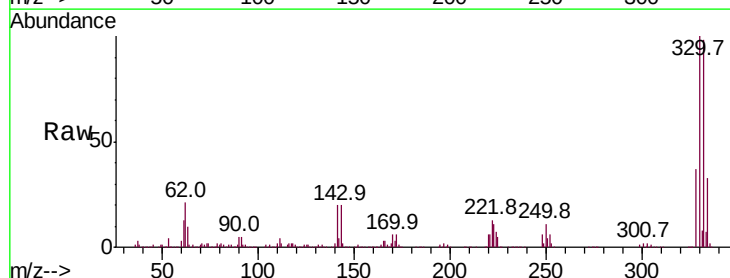
Tgt Ion:330 Resp: 3043679

Ion Ratio Lower Upper

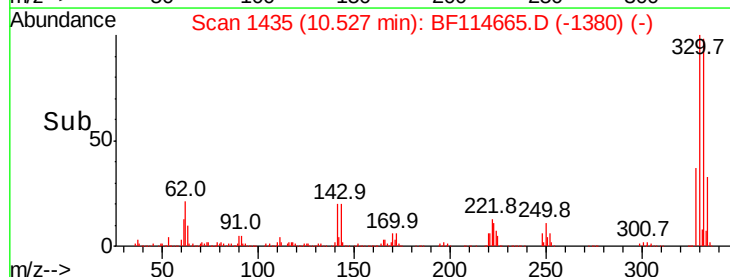
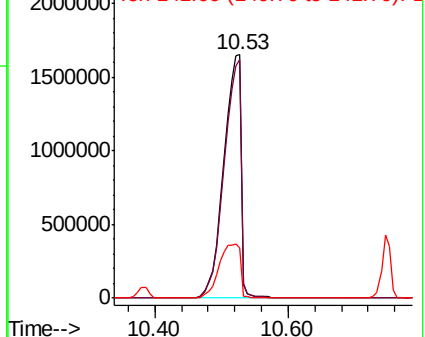
330 100

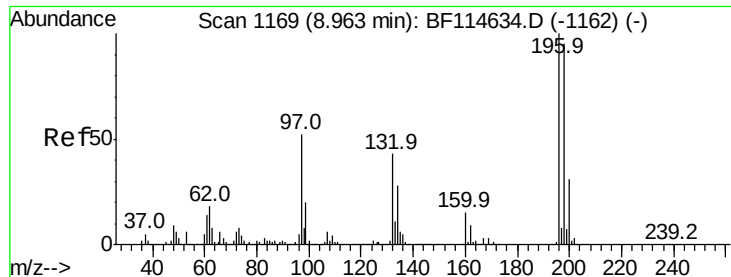
332 95.9 75.8 113.8

141 27.3 27.8 41.8#



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

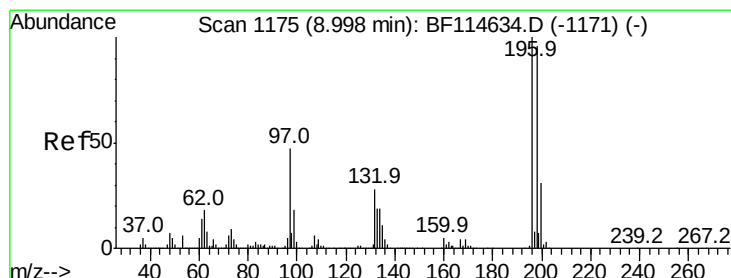
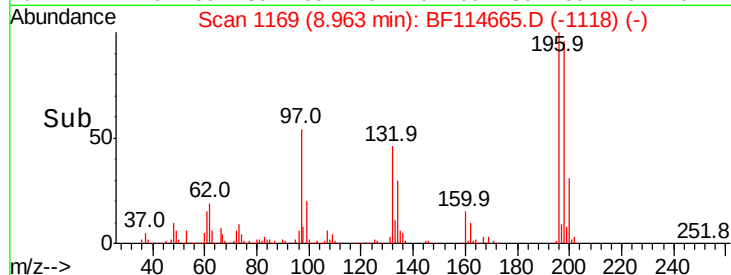
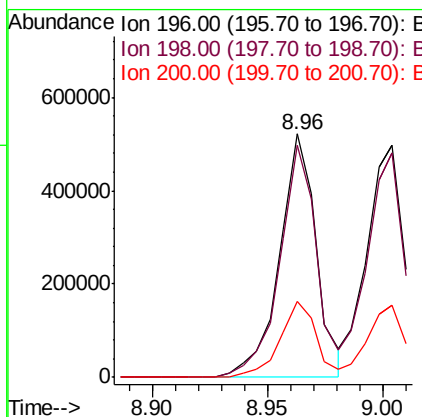
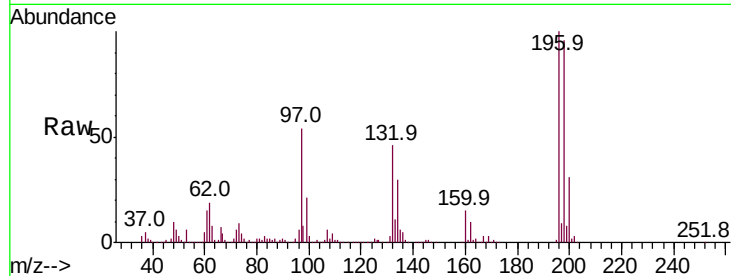




#43
 2,4,6-Trichlorophenol
 Concen: 9.435 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

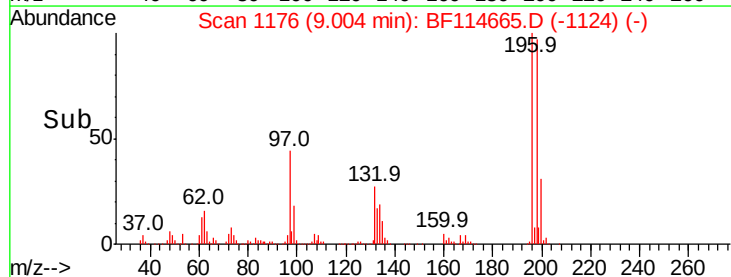
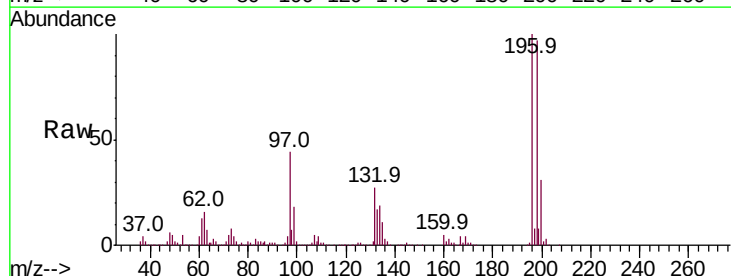
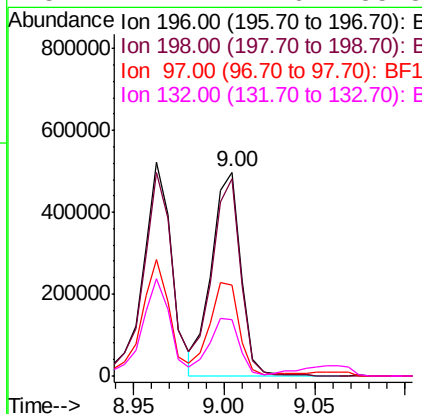
Instrument :
 BNA_F
 ClientSampleId :

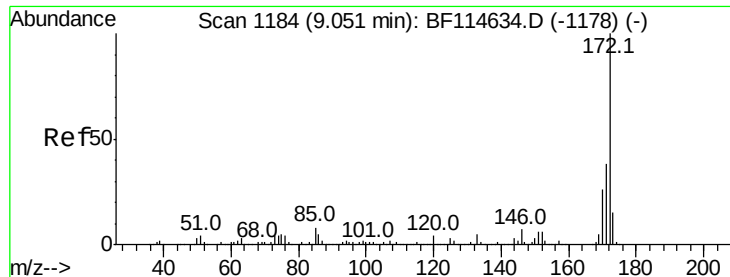
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.1	114.1
200	30.9	24.7	37.1



#44
 2,4,5-Trichlorophenol
 Concen: 9.197 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.8	115.2
97	44.4	37.8	56.8
132	27.4	22.6	33.8

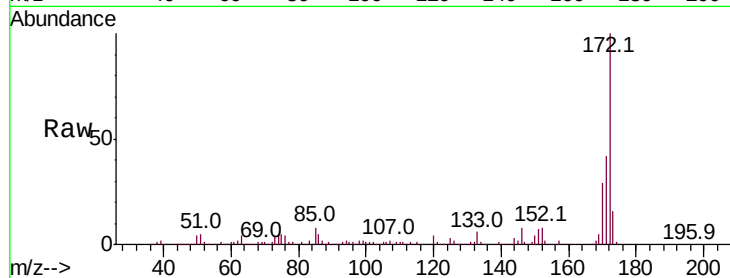




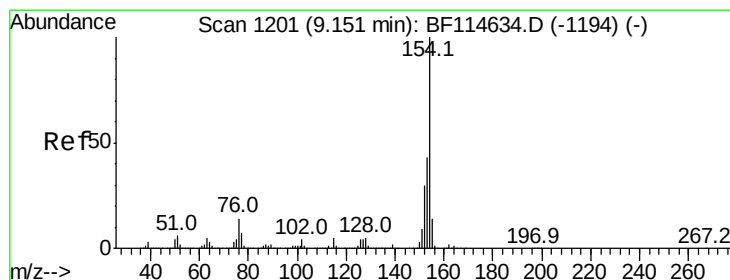
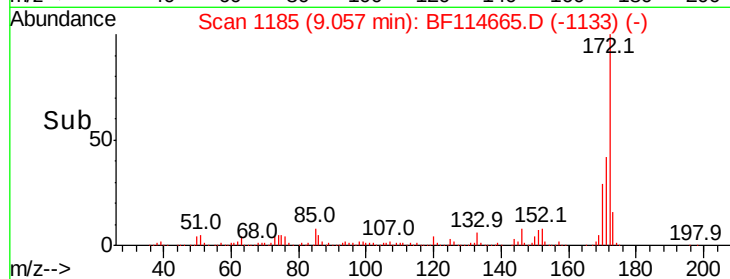
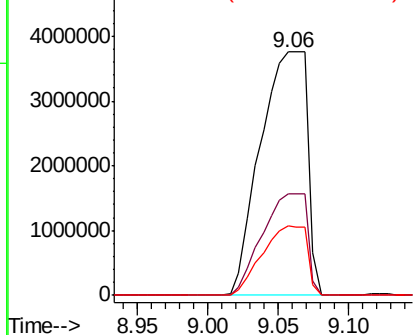
#45
 2-Fluorobiphenyl
 Concen: 50.128 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 8751849
 Ion Ratio Lower Upper
 172 100
 171 41.6 30.6 45.8
 170 28.6 20.7 31.1

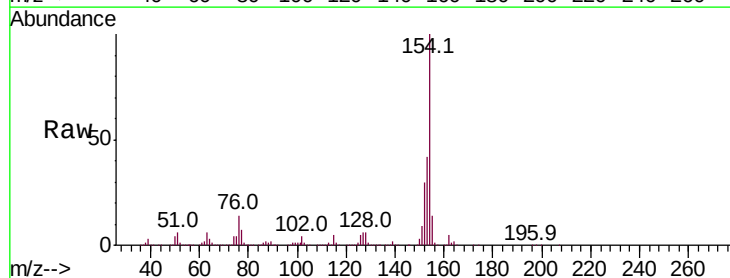


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

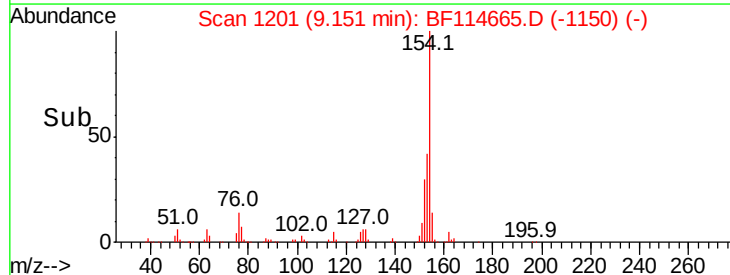
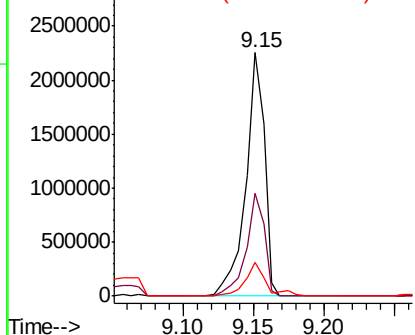


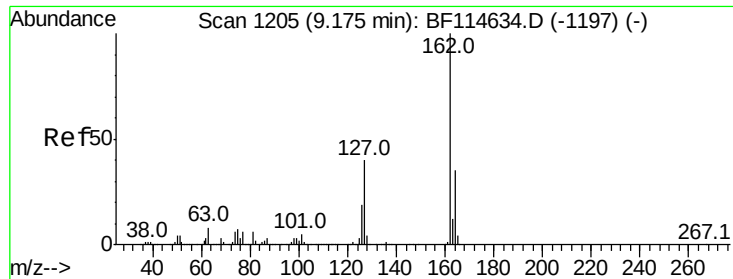
#46
 1,1'-Biphenyl
 Concen: 9.646 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion:154 Resp: 2076506
 Ion Ratio Lower Upper
 154 100
 153 42.2 23.0 63.0
 76 14.0 0.0 33.9



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

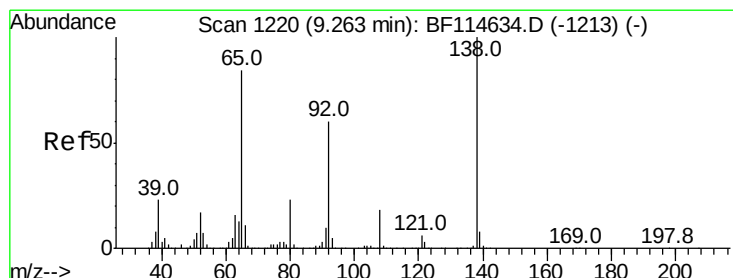
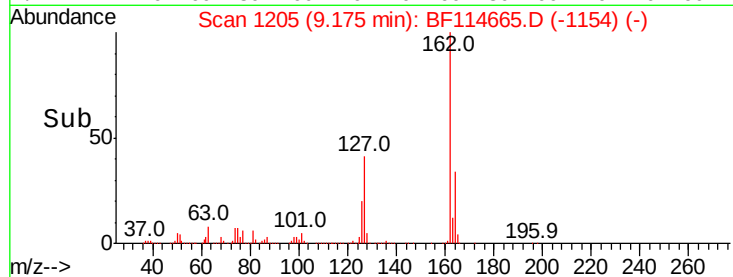
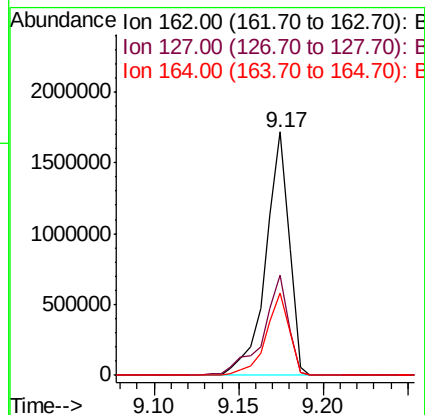
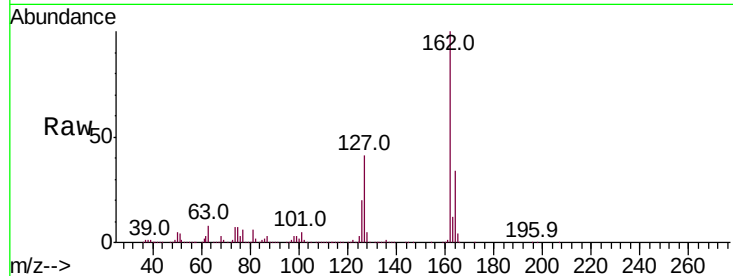




#47
2-Chloronaphthalene
Concen: 9.299 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

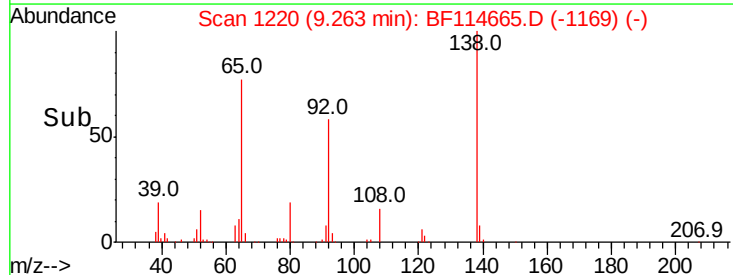
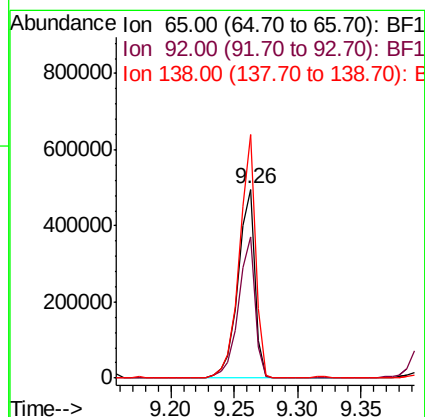
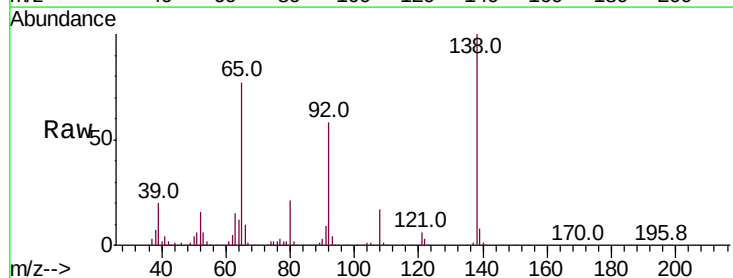
Instrument :
BNA_F
ClientSampleId :

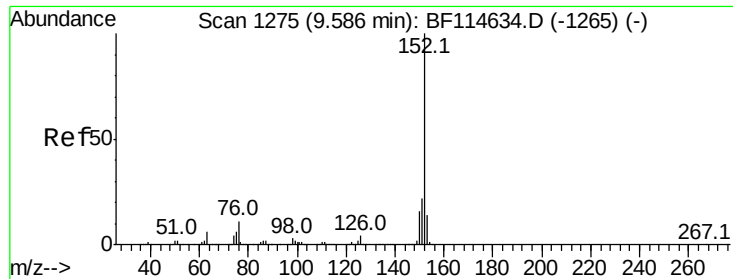
Tot Ion:162 Resp: 1641898
Ion Ratio Lower Upper
162 100
127 41.4 32.2 48.2
164 34.1 27.8 41.6



#48
2-Nitroaniline
Concen: 8.271 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion: 65 Resp: 450697
Ion Ratio Lower Upper
65 100
92 74.9 57.1 85.7
138 129.1 95.8 143.6





#49

Acenaphthylene

Concen: 9.219 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

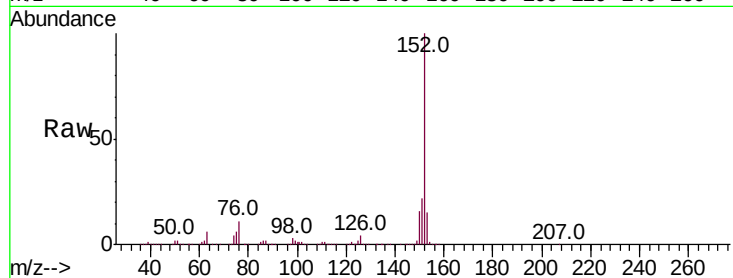
Tot Ion:152 Resp: 2514906

Ion Ratio Lower Upper

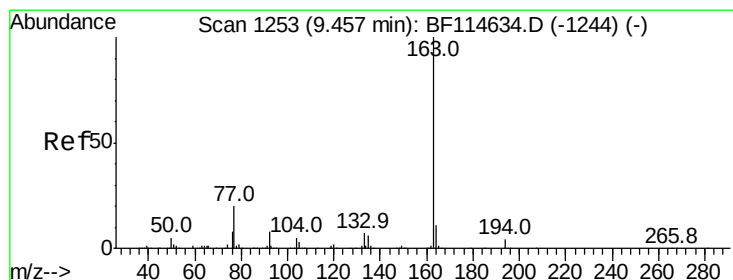
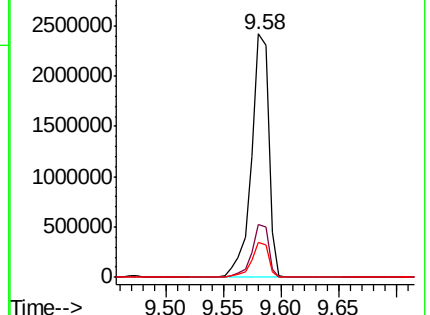
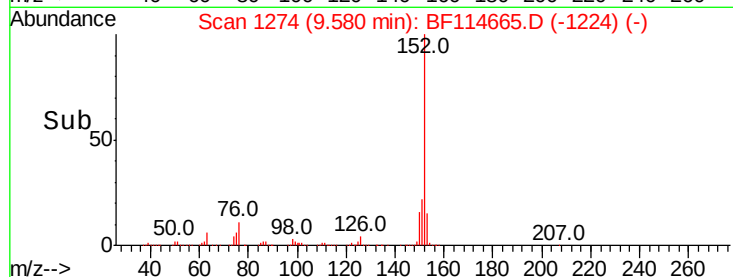
152 100

151 21.9 17.5 26.3

153 14.6 11.6 17.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.081 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

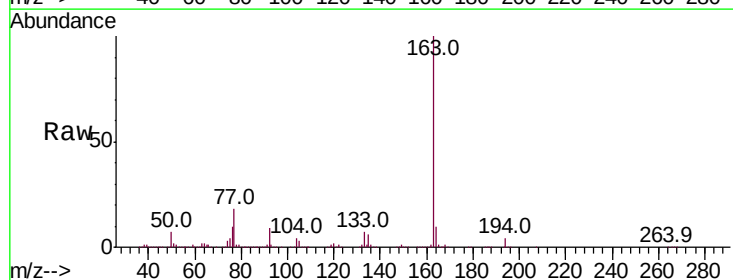
Tgt Ion:163 Resp: 1834892

Ion Ratio Lower Upper

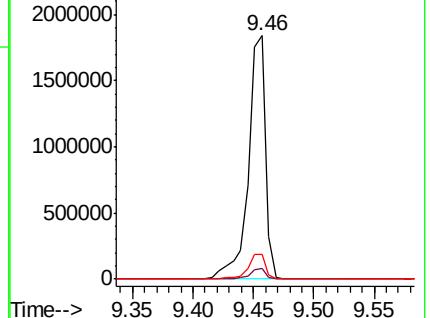
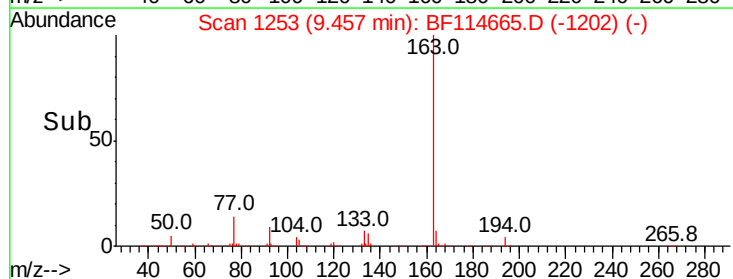
163 100

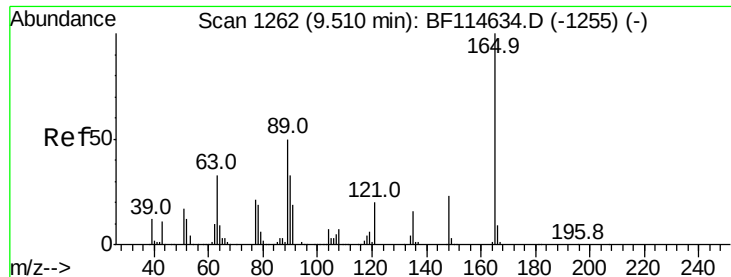
194 4.2 3.4 5.0

164 10.4 8.6 13.0



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

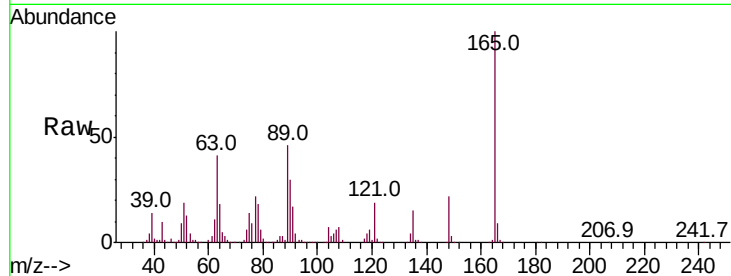




#51
 2,6-Dinitrotoluene
 Concen: 9.156 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	41.5	36.6	54.8
89	46.1	40.2	60.4

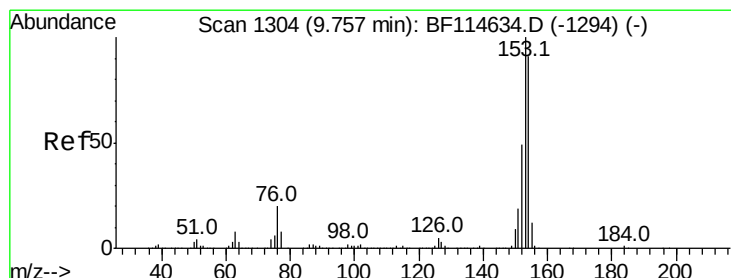
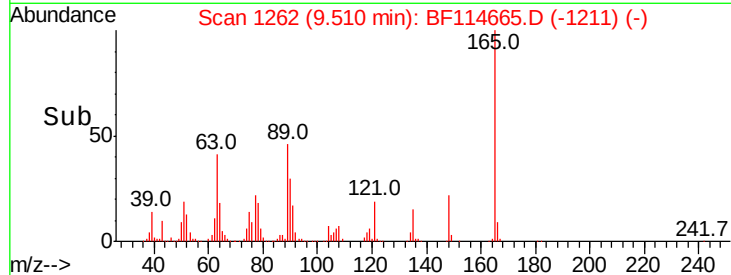
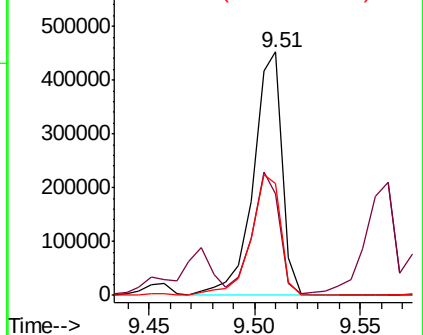


Abundance

Ion 165.00 (164.70 to 165.70): E

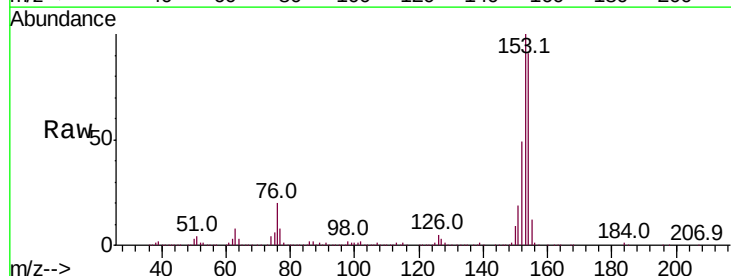
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
 Acenaphthene
 Concen: 9.902 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.1	88.4	132.6
152	54.1	43.4	65.0

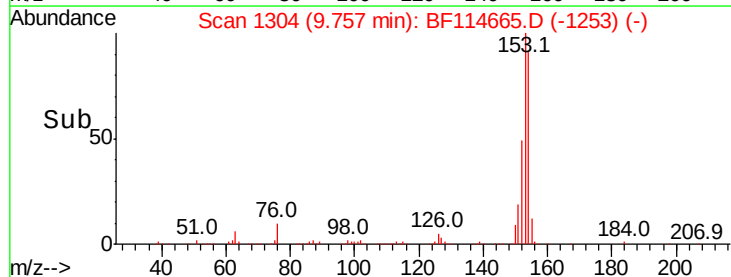
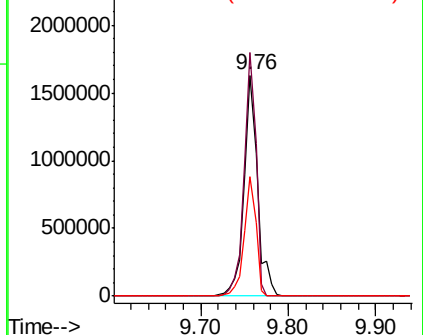


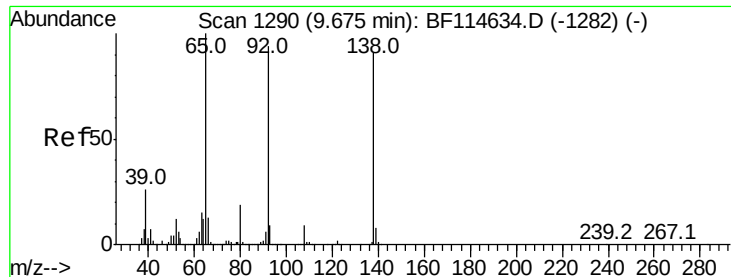
Abundance

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

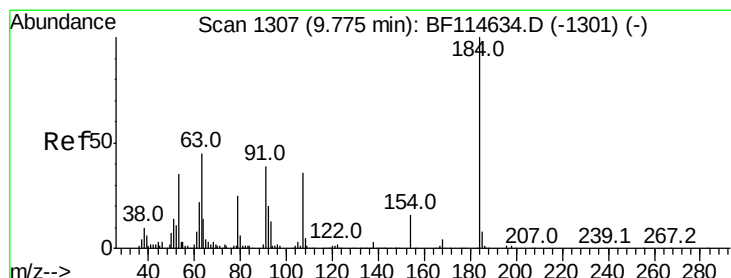
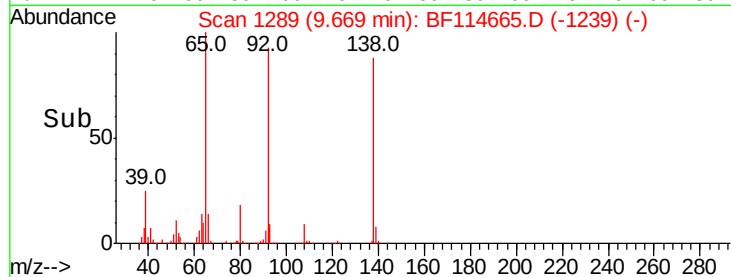
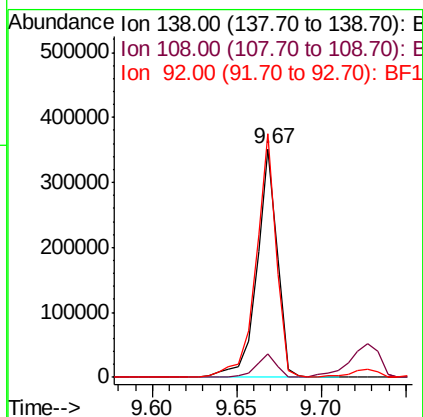
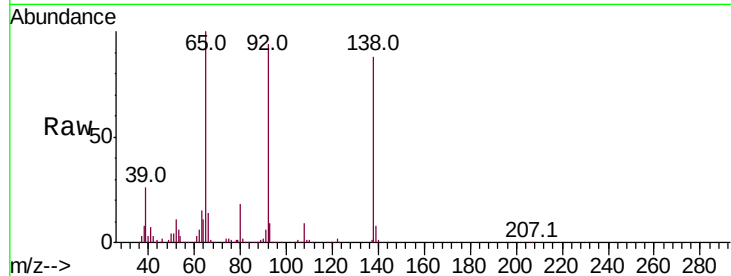




#53
3-Nitroaniline
Concen: 5.160 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

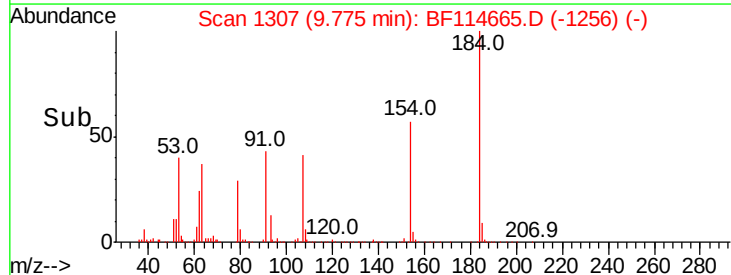
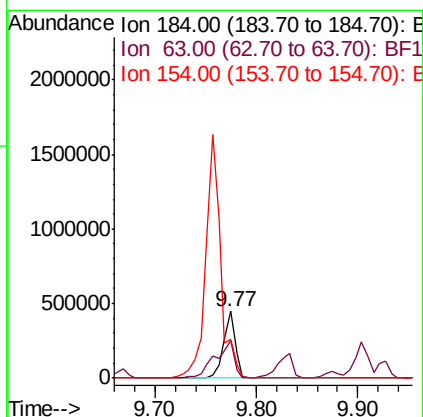
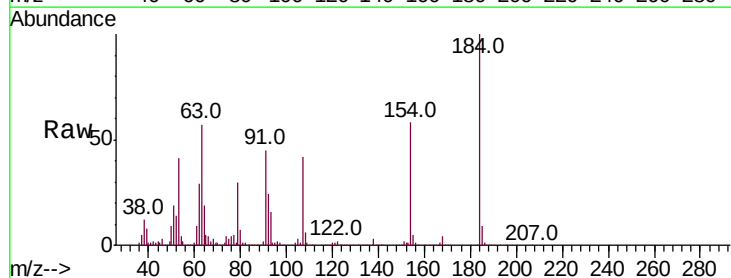
Instrument :
BNA_F
ClientSampleId :

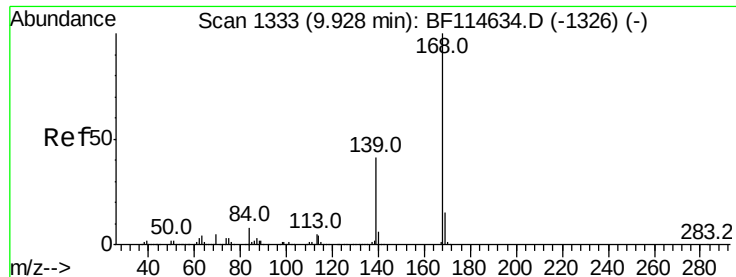
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.3	12.5
92	106.6	83.1	124.7



#54
2,4-Dinitrophenol
Concen: 19.553 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.8	38.8	58.2
154	57.7	43.7	65.5

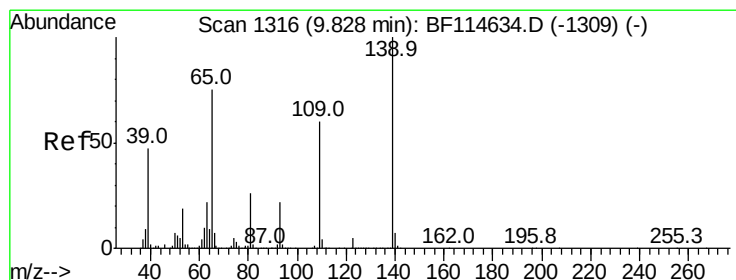
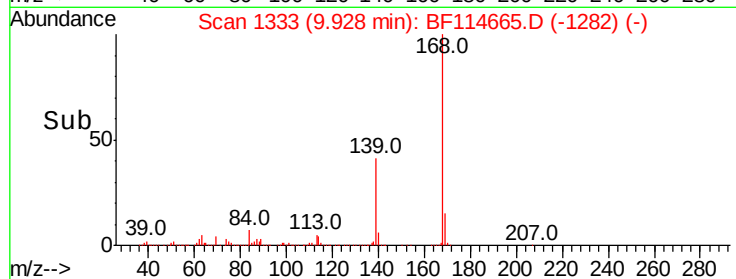
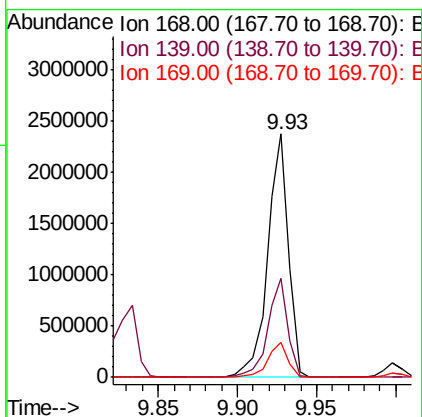
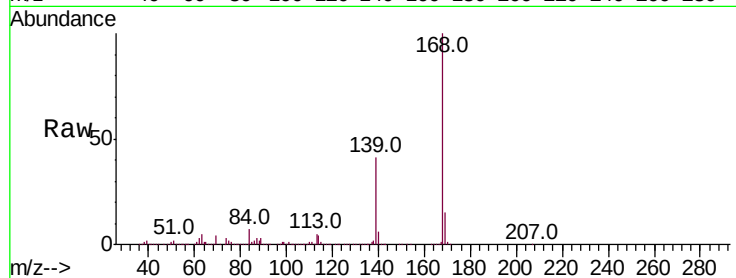




#55
Dibenzofuran
Concen: 9.144 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

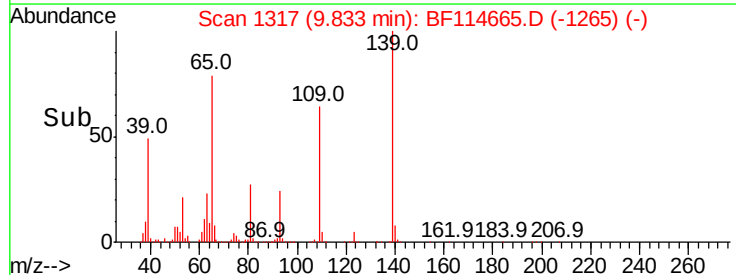
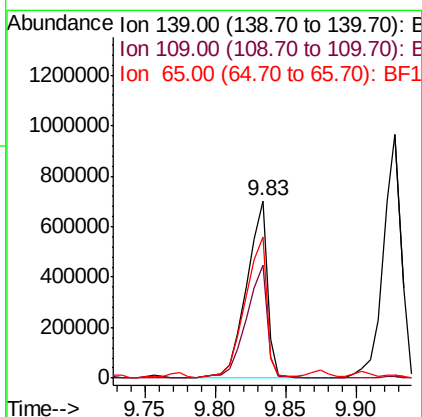
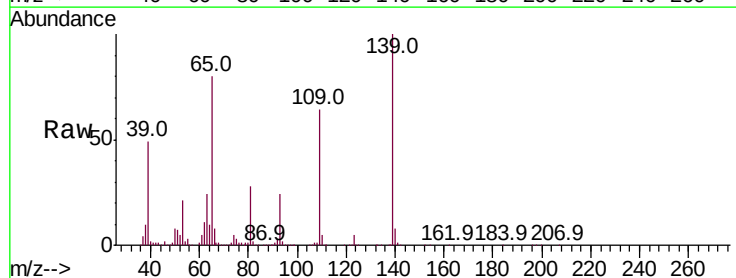
Instrument :
BNA_F
ClientSampleId :

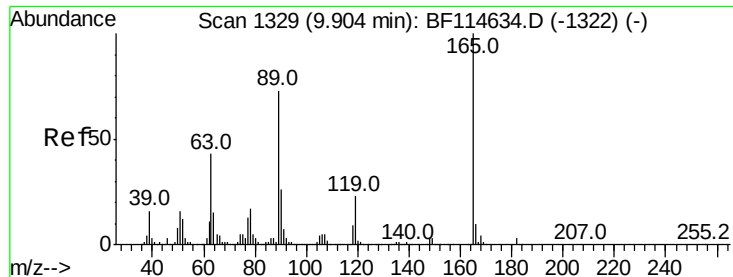
Tot Ion:168 Resp: 2177429
Ion Ratio Lower Upper
168 100
139 40.6 32.6 48.8
169 14.6 11.8 17.8



#56
4-Nitrophenol
Concen: 17.082 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion:139 Resp: 727450
Ion Ratio Lower Upper
139 100
109 63.8 40.4 80.4
65 79.6 54.7 94.7

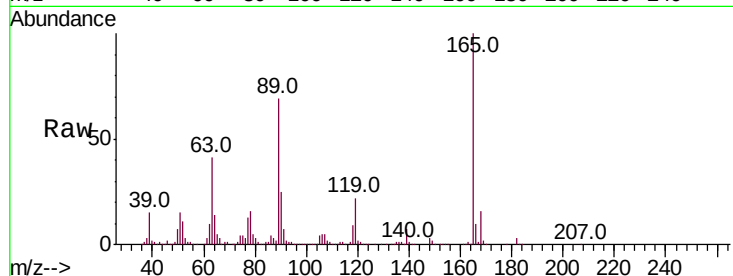




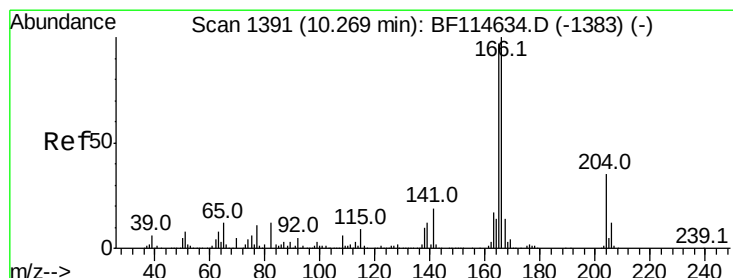
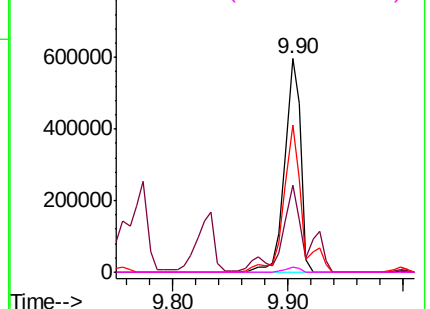
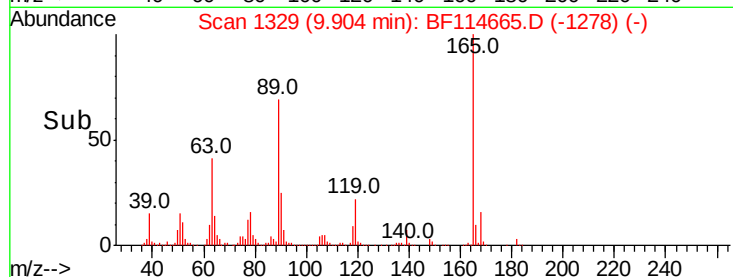
#57
 2,4-Dinitrotoluene
 Concen: 9.370 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	40.8	34.8	52.2
89	69.2	58.5	87.7
182	2.6	2.2	3.2

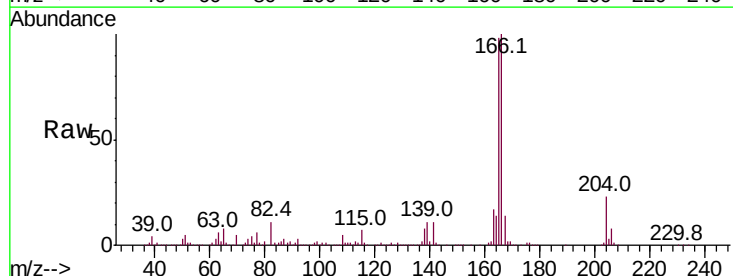


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

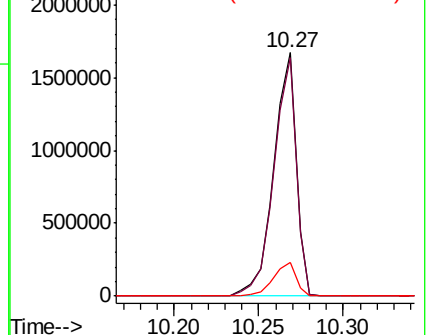
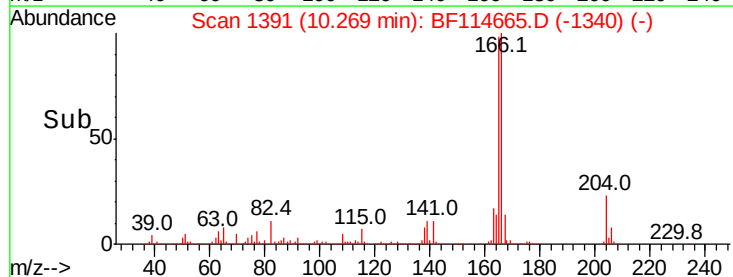


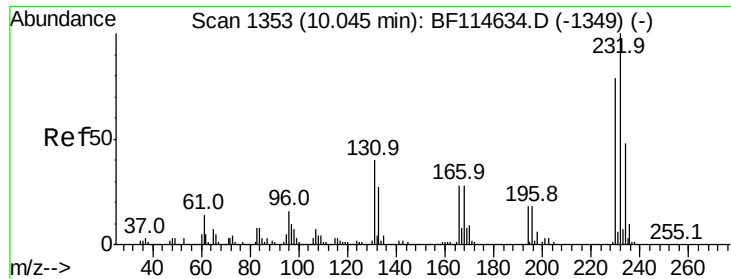
#58
 Fluorene
 Concen: 4.997 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.6	116.4
167	13.9	11.2	16.8



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





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.622 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:232 Resp: 477564

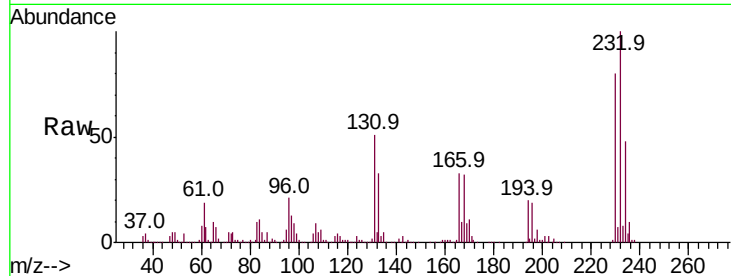
Ion Ratio Lower Upper

232 100

131 46.5 37.2 55.8

130 2.2 1.8 2.8

166 30.5 24.8 37.2

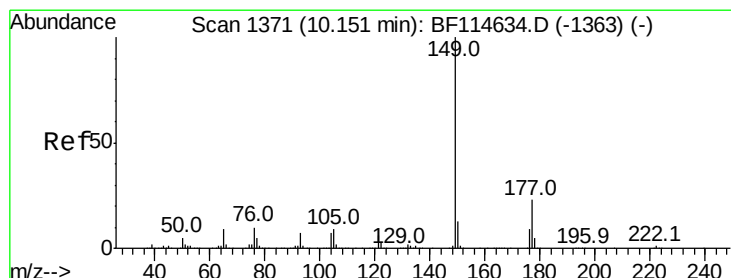
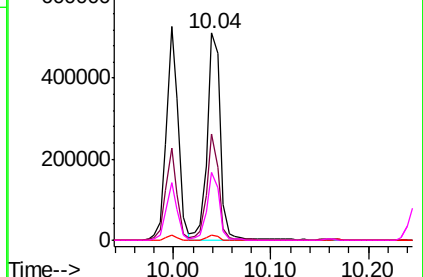
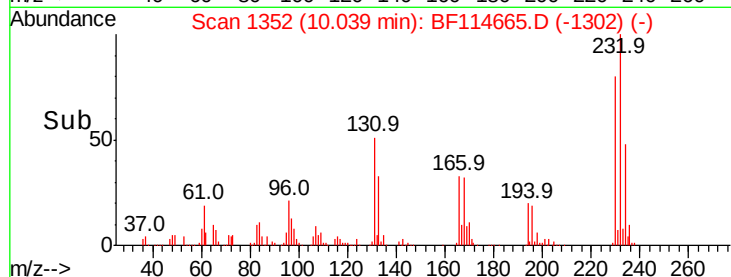


Abundance Ion 232.00 (231.70 to 232.70): E

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: 8.860 ng

RT: 10.16 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

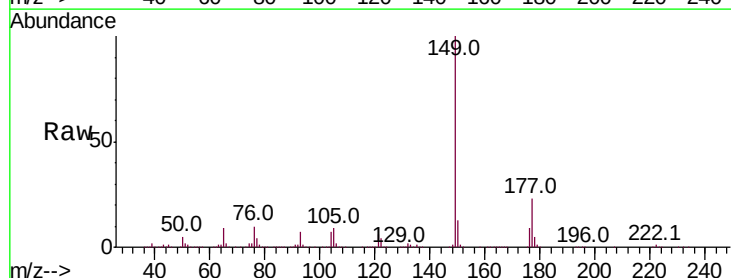
Tgt Ion:149 Resp: 1828541

Ion Ratio Lower Upper

149 100

177 23.0 18.6 28.0

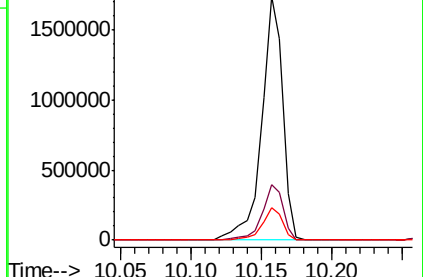
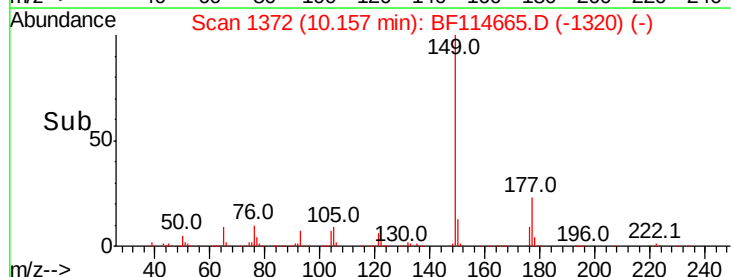
150 13.2 10.6 15.8

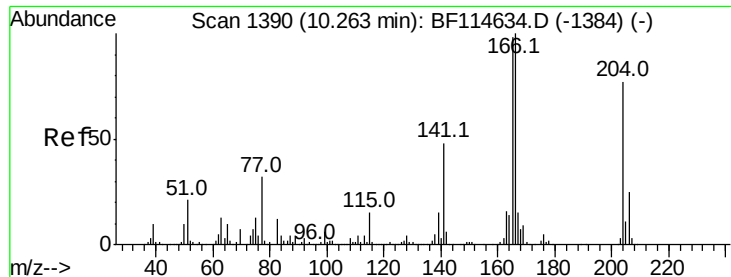


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 5.119 ng

RT: 10.26 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampled :

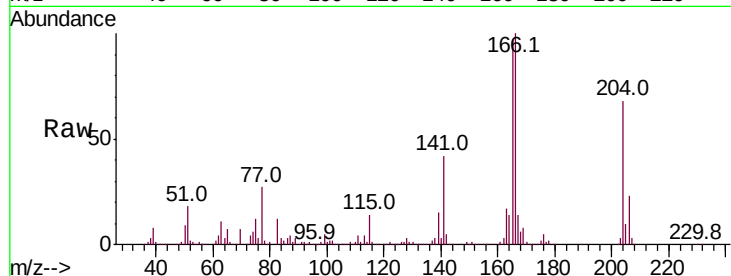
Tot Ion:204 Resp: 757112

Ion Ratio Lower Upper

204 100

206 33.6 26.4 39.6

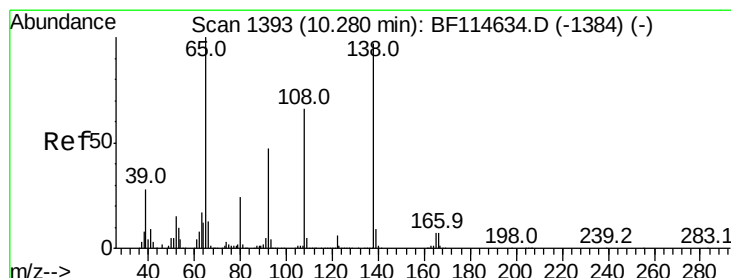
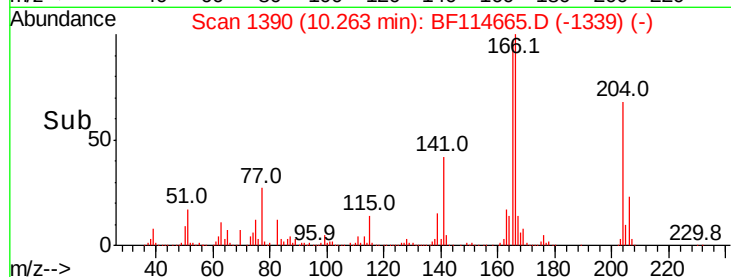
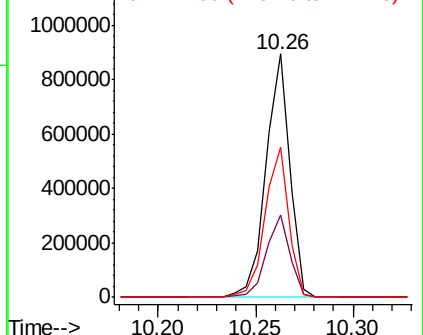
141 61.5 50.0 75.0



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 7.818 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

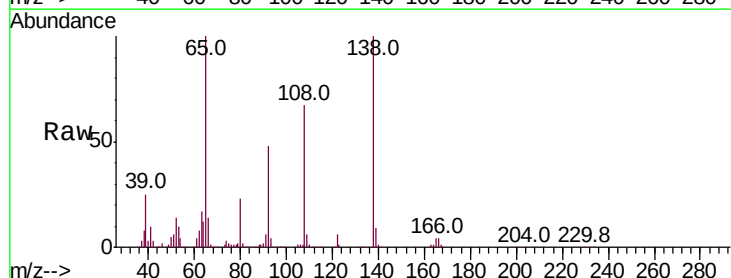
Tgt Ion:138 Resp: 437773

Ion Ratio Lower Upper

138 100

92 47.8 28.0 68.0

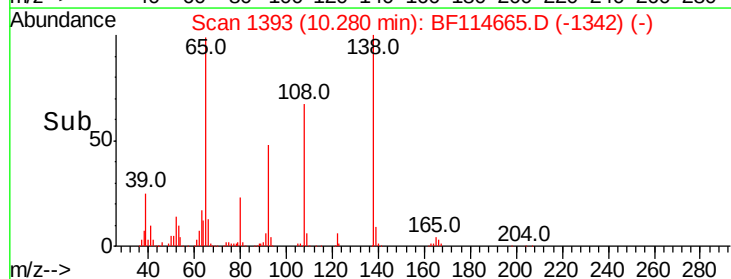
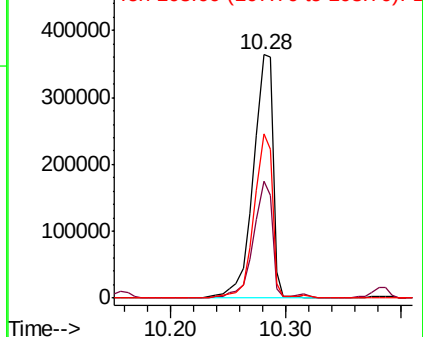
108 67.4 48.4 88.4

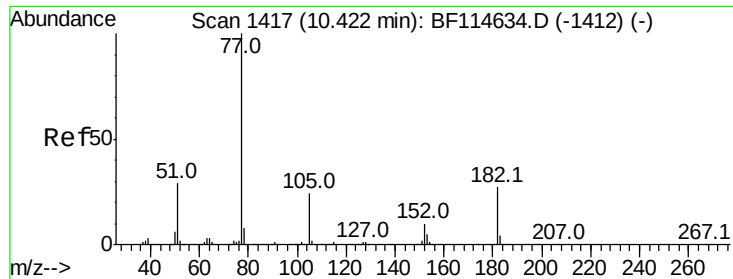


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 9.068 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1718247

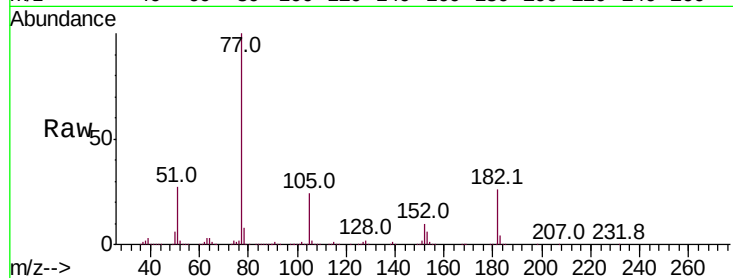
Ion	Ratio	Lower	Upper
77	100		
182	26.5	7.0	47.0
105	23.6	3.7	43.7
51	27.3	9.1	49.1

77 100

182 26.5 7.0 47.0

105 23.6 3.7 43.7

51 27.3 9.1 49.1

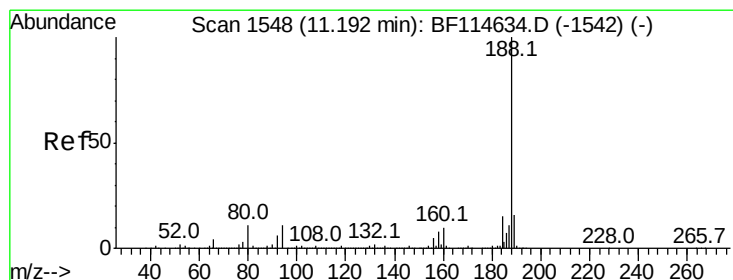
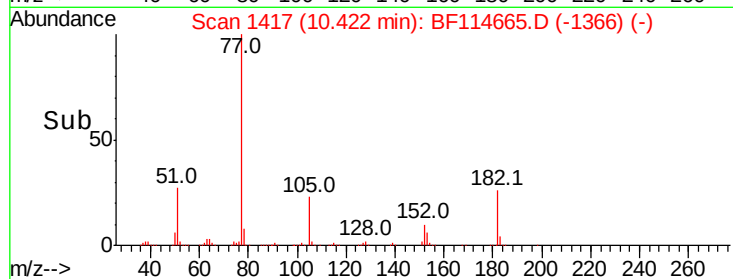
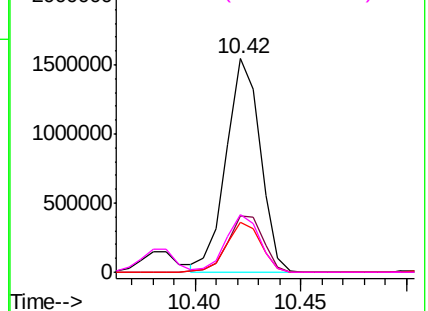


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.20 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

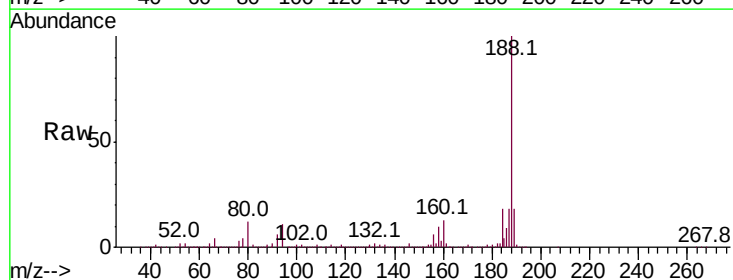
Tgt Ion: 188 Resp: 4929275

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.6	13.0
80	12.0	9.0	13.6

188 100

94 11.3 8.6 13.0

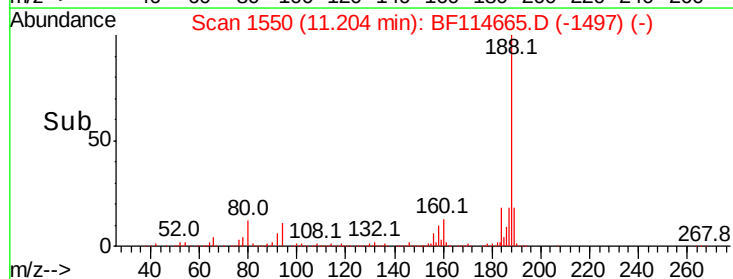
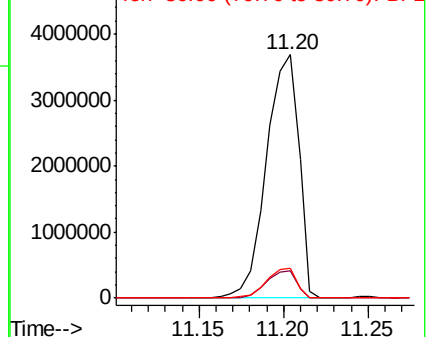
80 12.0 9.0 13.6

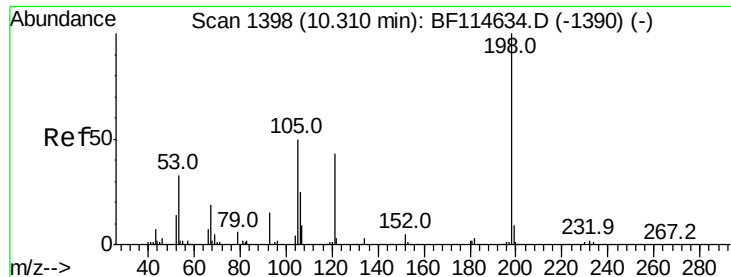


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 10.216 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

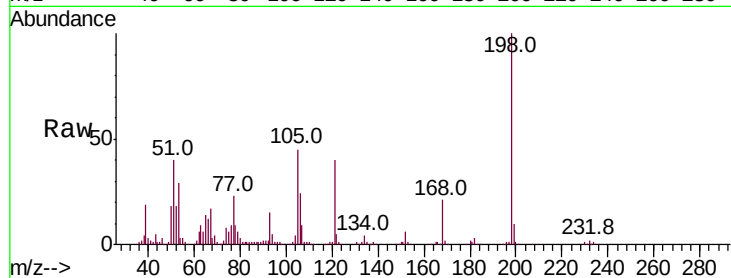
Instrument :

BNA_F

ClientSampleId :

Tot Ion:198 Resp: 223291

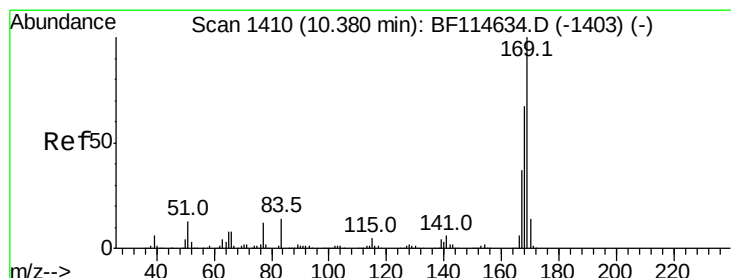
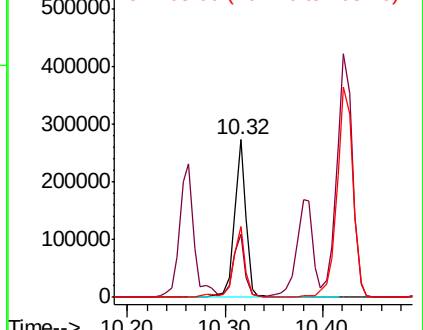
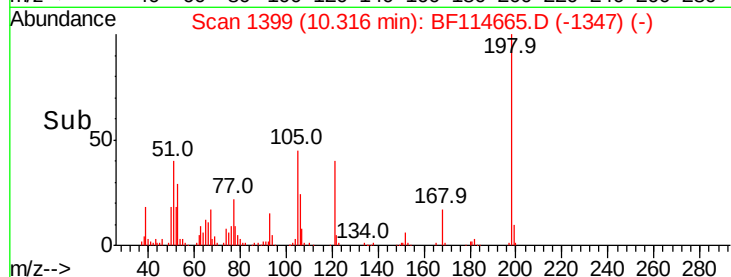
Ion	Ratio	Lower	Upper
198	100		
51	39.9	29.0	69.0
105	44.9	30.4	70.4



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 10.460 ng

RT: 10.39 min Scan# 1411

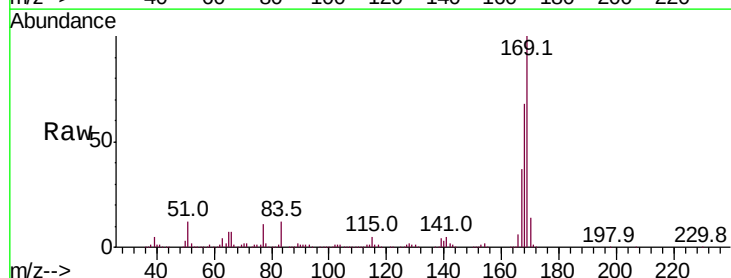
Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Tgt Ion:169 Resp: 1523361

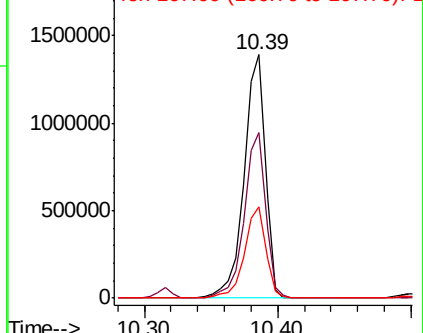
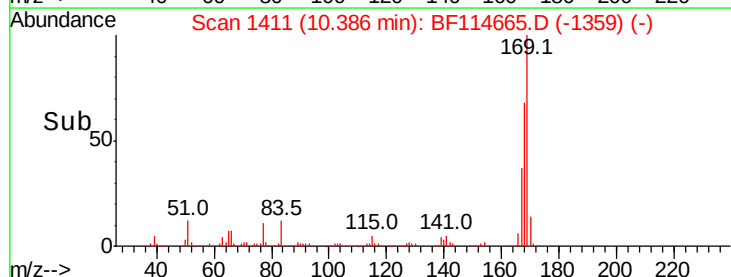
Ion	Ratio	Lower	Upper
169	100		
168	68.0	53.8	80.8
167	37.5	29.8	44.6

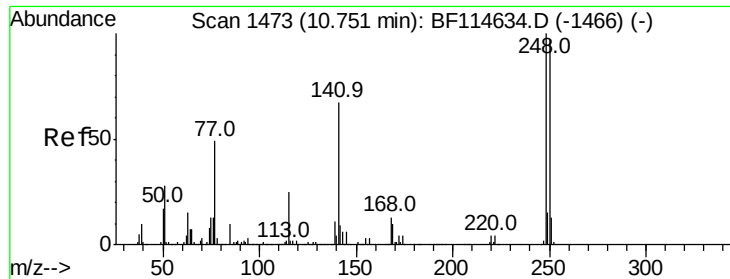


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

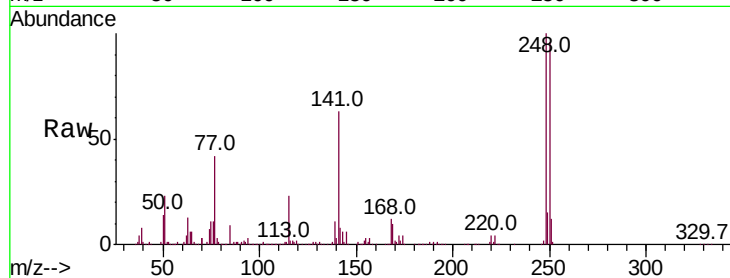




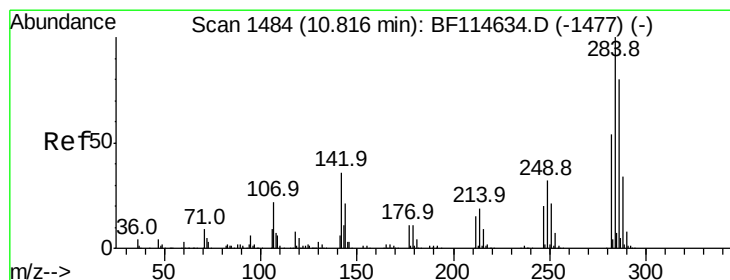
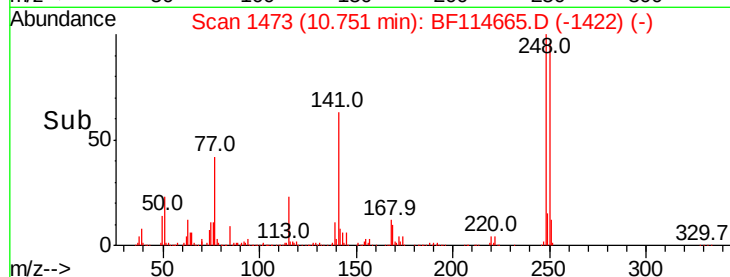
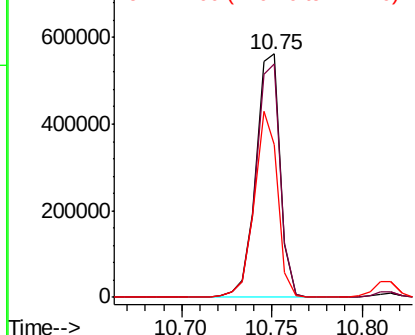
#67
4-Bromophenyl-phenylether
Concen: 9.926 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.6	78.0	117.0
141	62.9	53.8	80.8

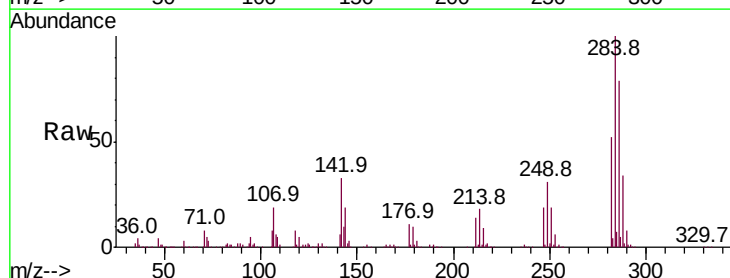


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

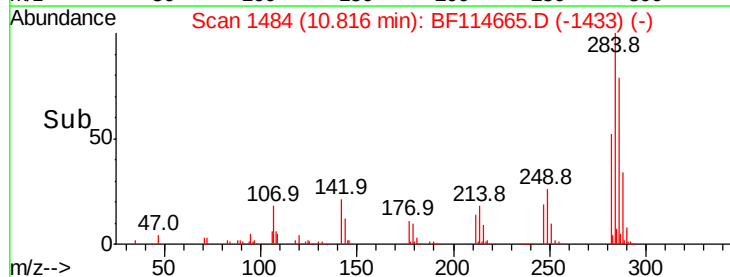
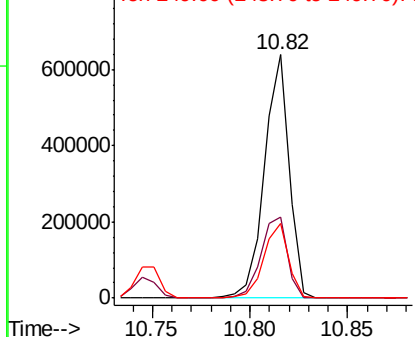


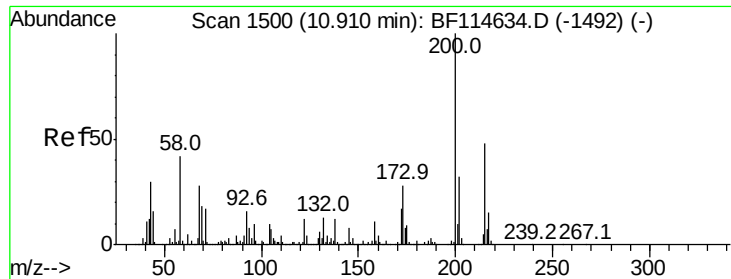
#68
Hexachlorobenzene
Concen: 9.792 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.2	28.9	43.3
249	30.5	25.8	38.6



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

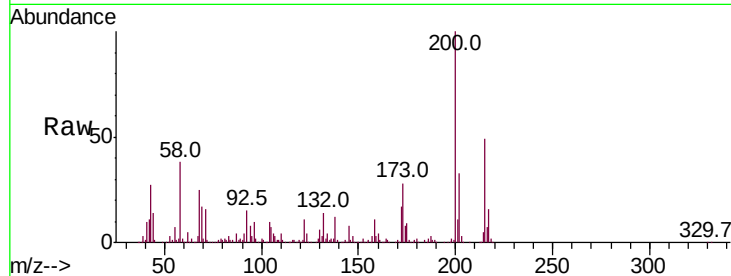




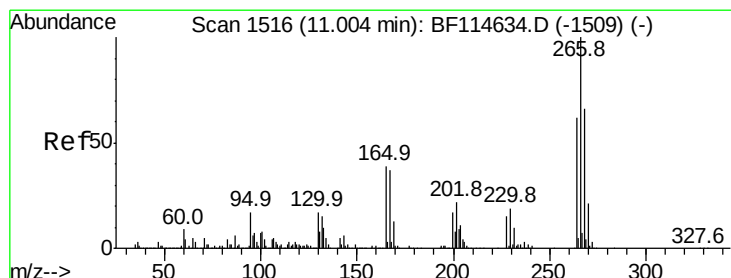
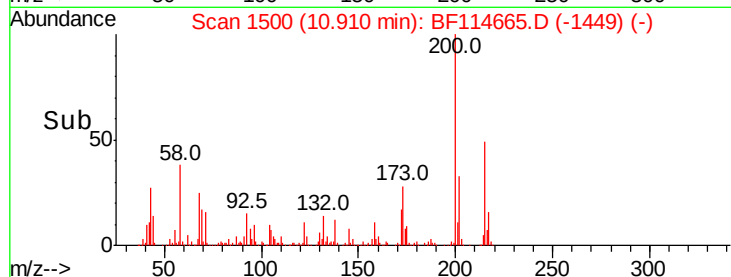
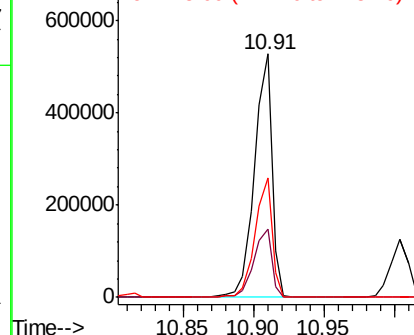
#69
 Atrazine
 Concen: 8.186 ng
 RT: 10.91 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.9	47.9
215	49.0	27.8	67.8

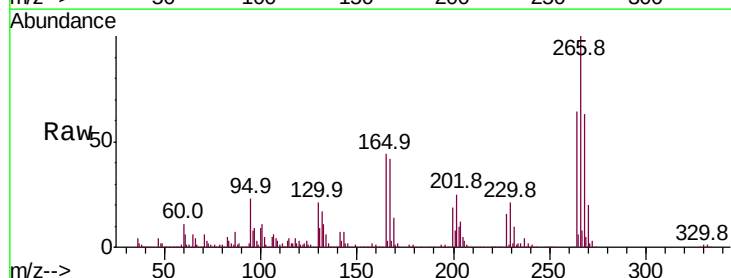


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

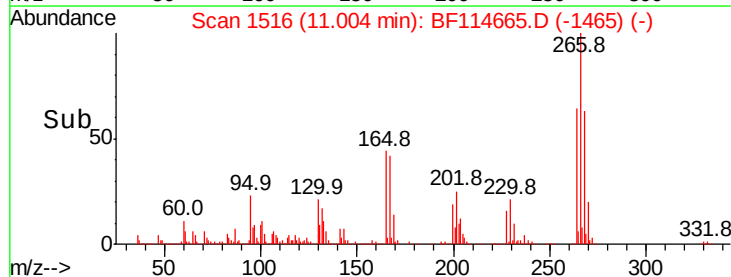
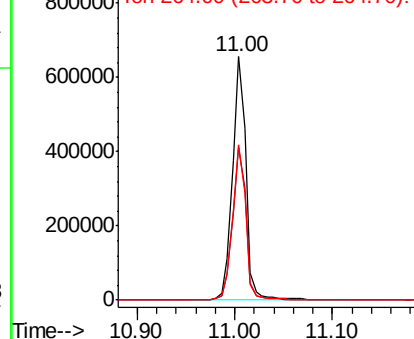


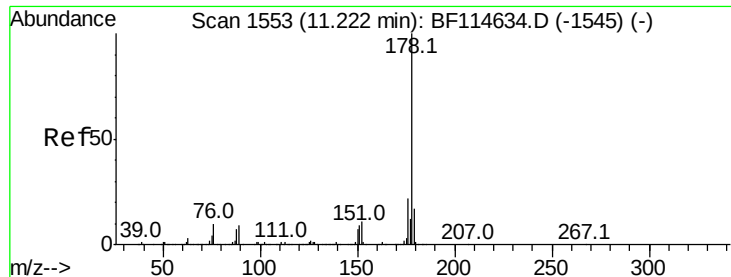
#70
 Pentachlorophenol
 Concen: 19.179 ng
 RT: 11.00 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.5	52.8	79.2
264	63.7	49.9	74.9



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





#71

Phenanthrene

Concen: 9.220 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

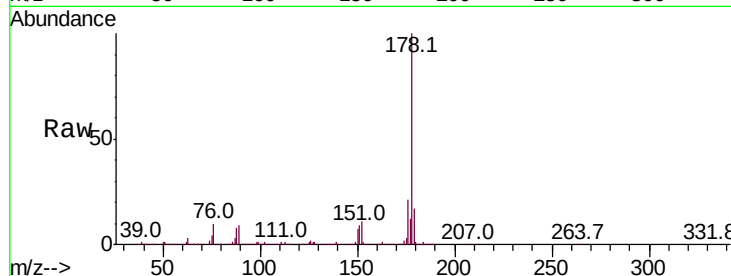
Tot Ion:178 Resp: 2318491

Ion Ratio Lower Upper

178 100

176 21.4 17.2 25.8

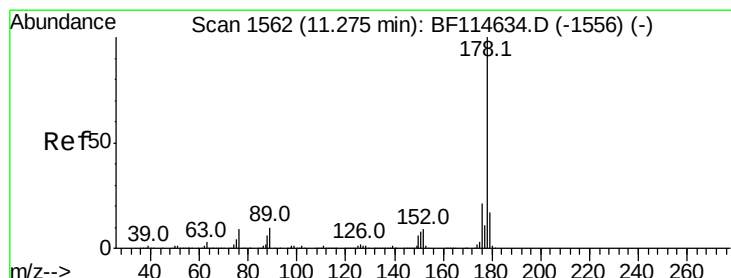
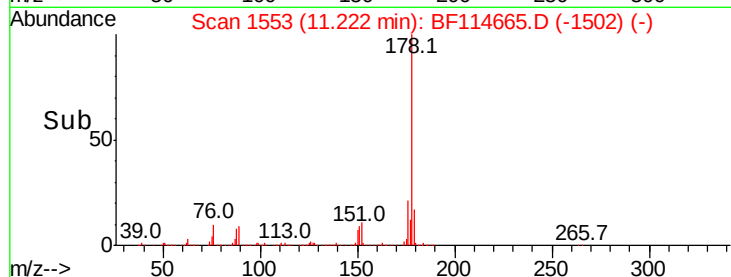
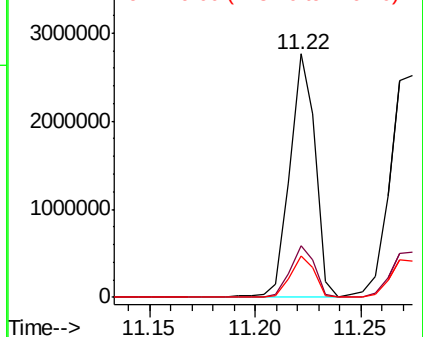
179 17.0 13.9 20.9



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: 9.766 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

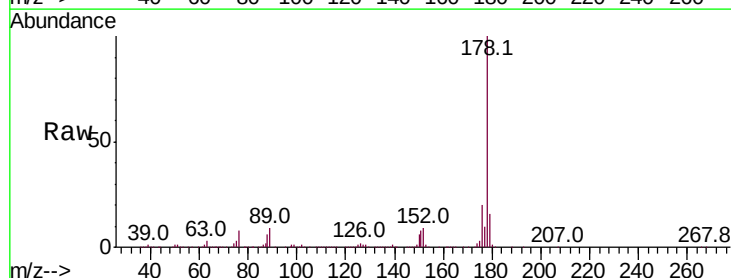
Tgt Ion:178 Resp: 2485296

Ion Ratio Lower Upper

178 100

176 20.5 16.6 24.8

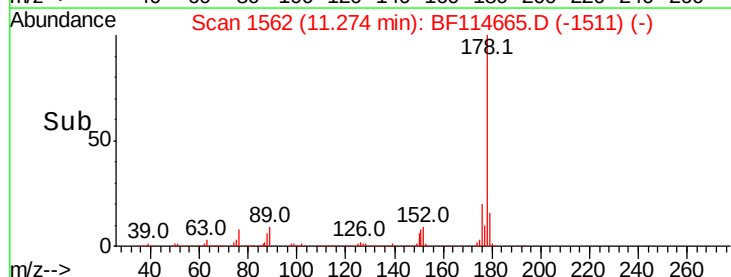
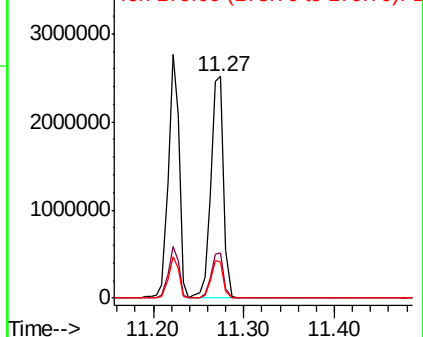
179 16.4 13.4 20.0

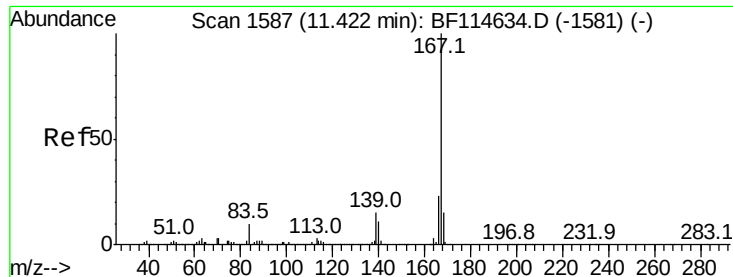


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

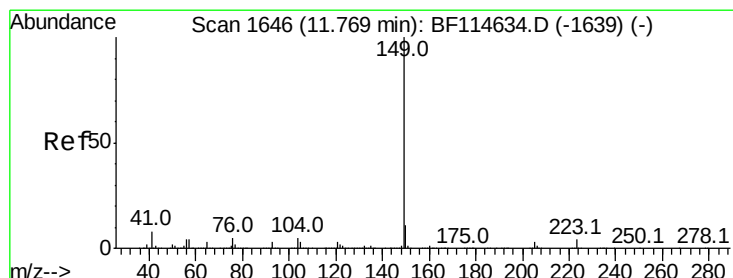
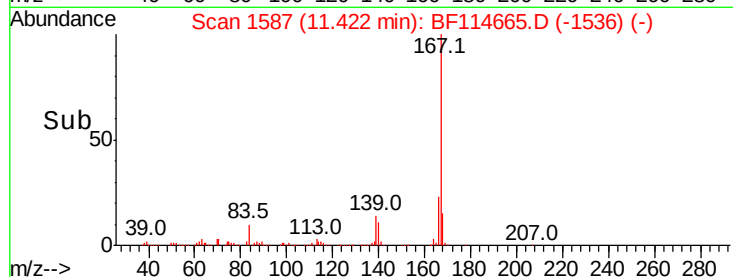
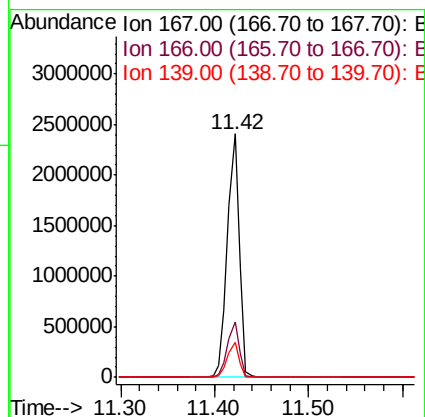
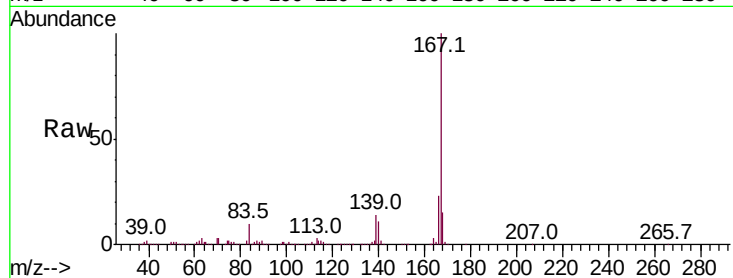




#73
 Carbazole
 Concen: 9.625 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

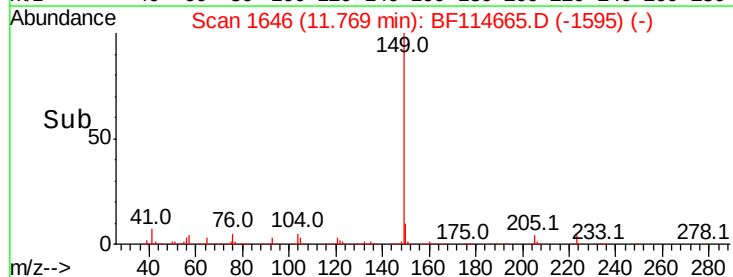
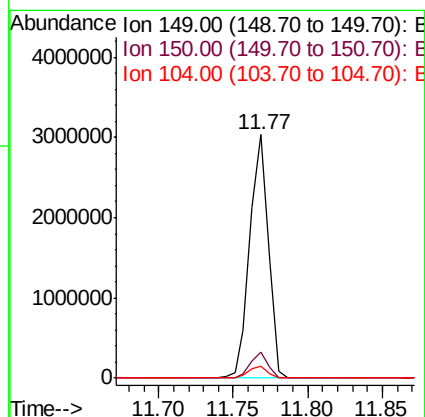
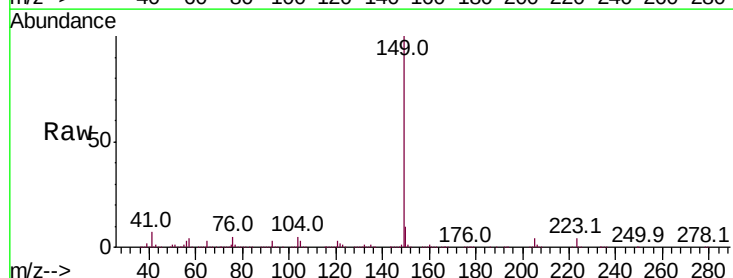
Instrument :
 BNA_F
 ClientSampleId :

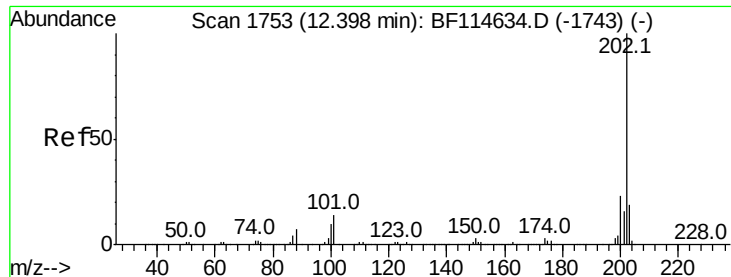
Tot Ion:167 Resp: 2152788
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.7 28.1
 139 14.4 11.8 17.8



#74
 Di-n-butylphthalate
 Concen: 5.987 ng
 RT: 11.77 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion:149 Resp: 2610682
 Ion Ratio Lower Upper
 149 100
 150 10.5 8.6 12.8
 104 5.1 4.3 6.5





#75

Fluoranthene

Concen: 9.111 ng

RT: 12.40 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

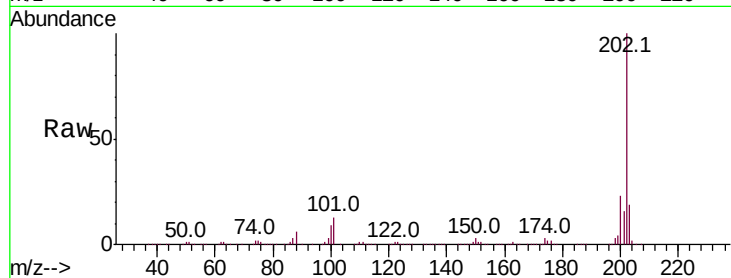
Tot Ion:202 Resp: 2372170

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.9

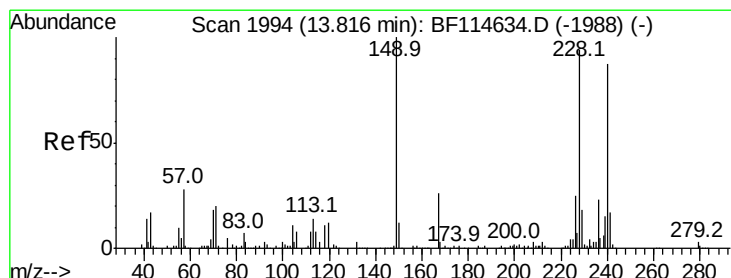
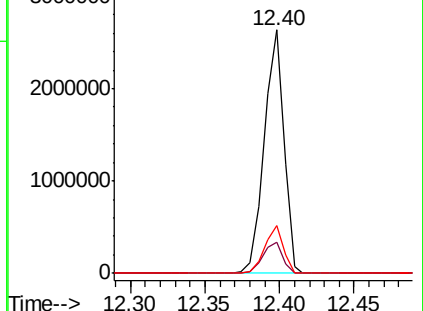
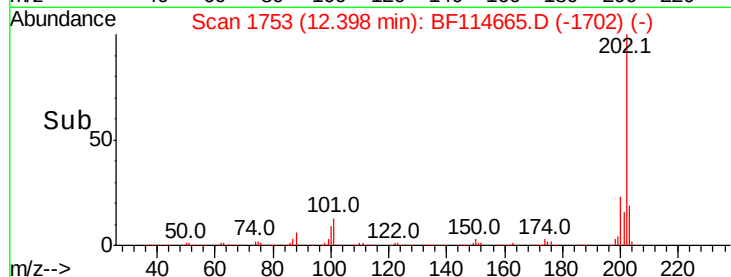
203 19.4 0.0 39.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

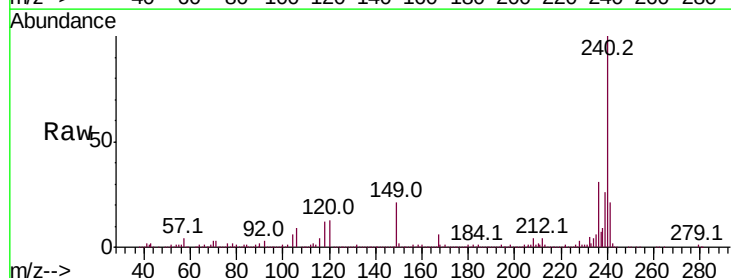
Tgt Ion:240 Resp: 3589155

Ion Ratio Lower Upper

240 100

120 12.6 11.2 16.8

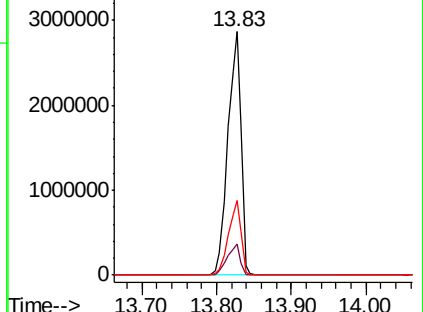
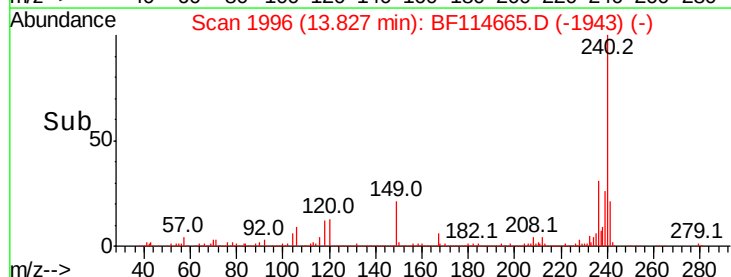
236 30.6 21.2 31.8

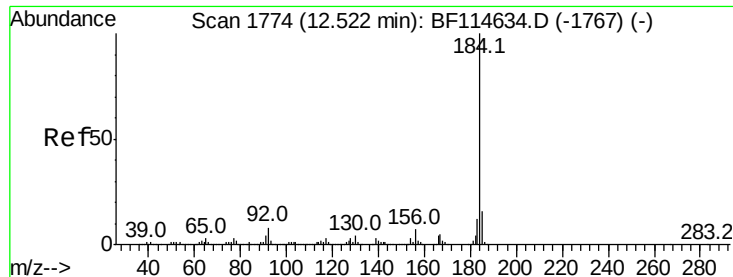


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.954 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

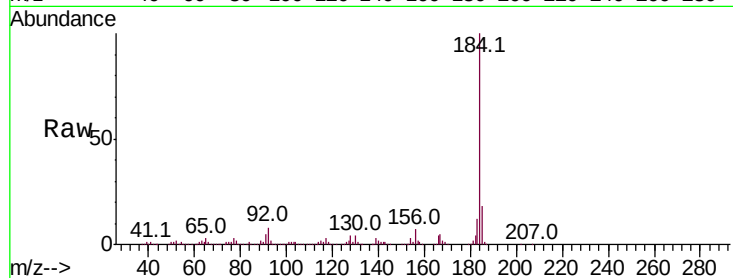
Instrument :

BNA_F

ClientSampleId :

Tot Ion:184 Resp: 1027787

Ion	Ratio	Lower	Upper
184	100		
185	17.5	12.6	18.8
183	12.0	9.4	14.2

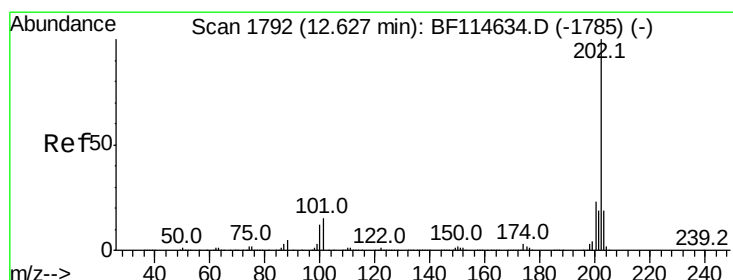
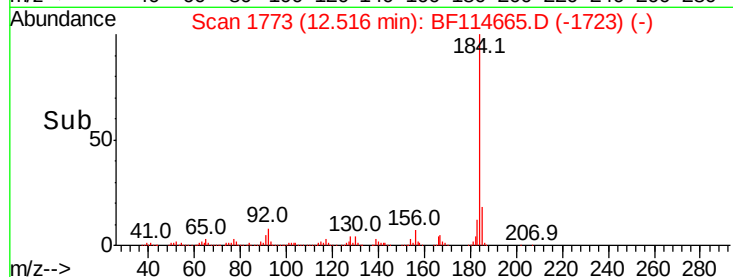
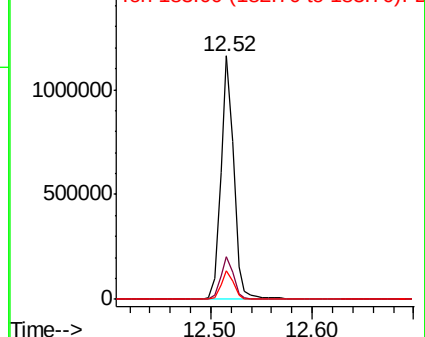


Abundance

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: 8.009 ng

RT: 12.62 min Scan# 1791

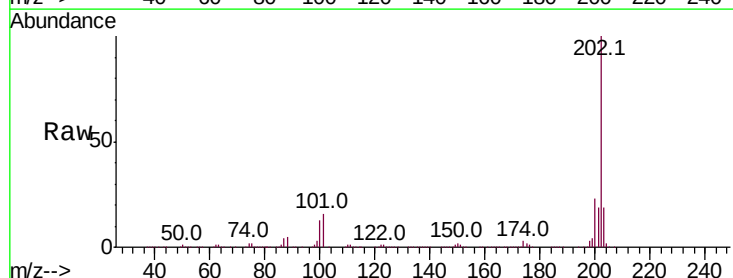
Delta R.T. -0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Tgt Ion:202 Resp: 2431538

Ion	Ratio	Lower	Upper
202	100		
200	23.4	18.6	28.0
203	19.1	15.4	23.2

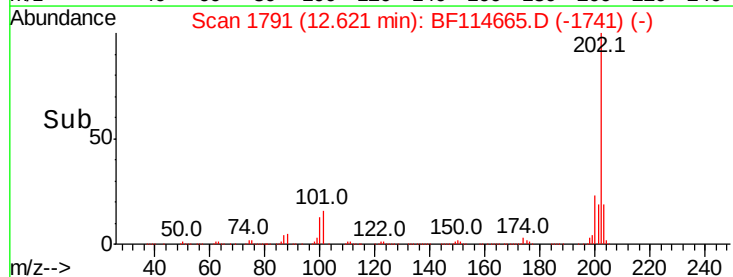
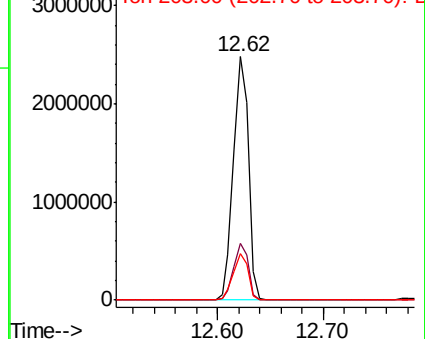


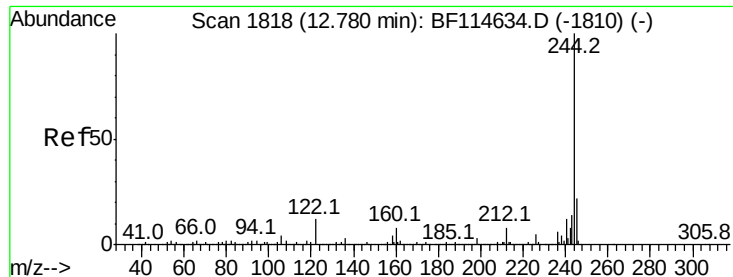
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

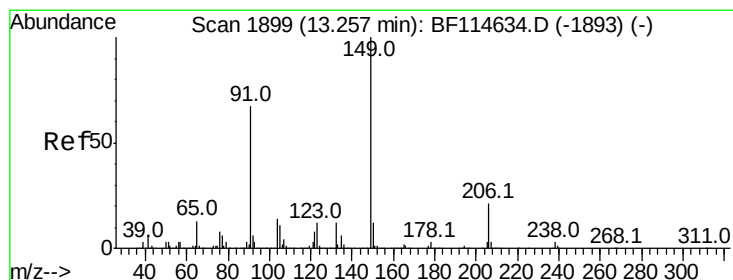
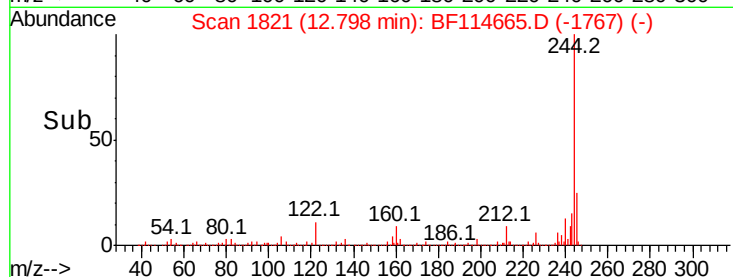
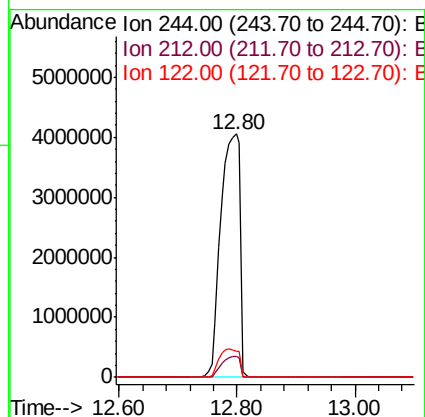
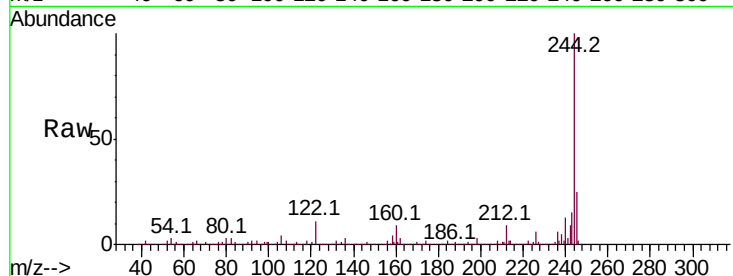




#79
 Terphenyl-d14
 Concen: 48.381 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.02 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

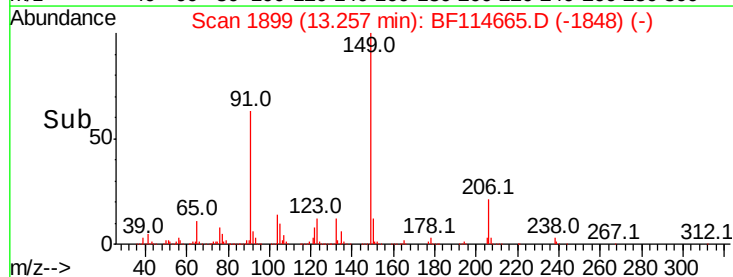
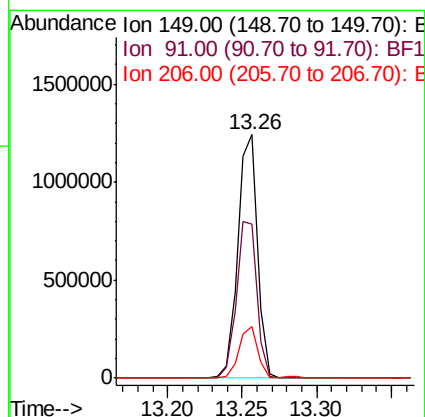
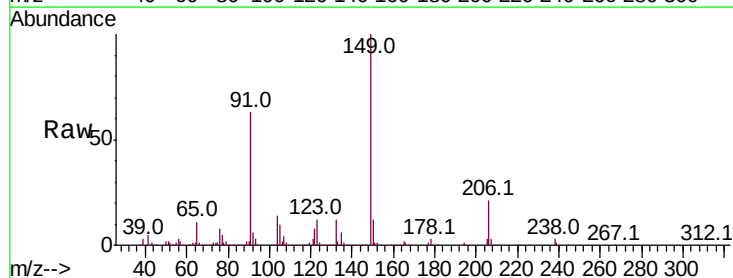
Instrument :
 BNA_F
 ClientSampled :

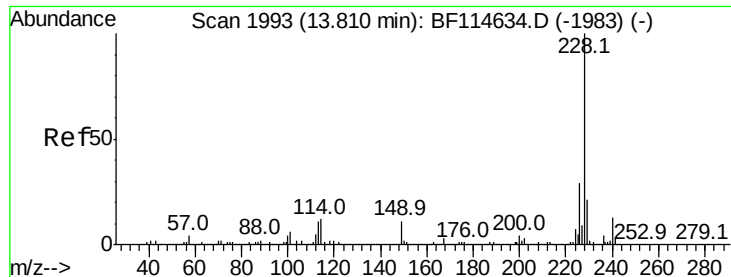
Tot Ion:244 Resp: 9235782
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.1 9.1
 122 10.7 9.8 14.8



#80
 Butylbenzylphthalate
 Concen: 7.536 ng
 RT: 13.26 min Scan# 1899
 Delta R.T. -0.00 min
 Lab File: BF114665.D
 Acq: 30 May 2019 17:33

Tgt Ion:149 Resp: 1149866
 Ion Ratio Lower Upper
 149 100
 91 63.5 53.8 80.8
 206 21.2 16.9 25.3





#81

Benzo(a)anthracene

Concen: 7.676 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

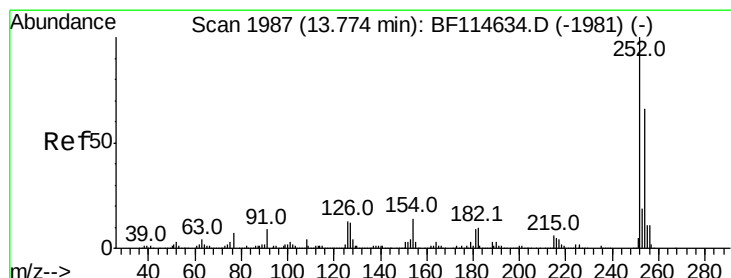
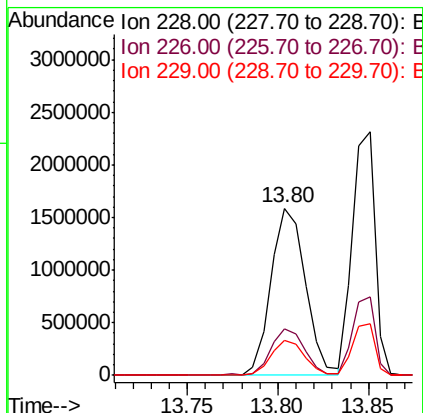
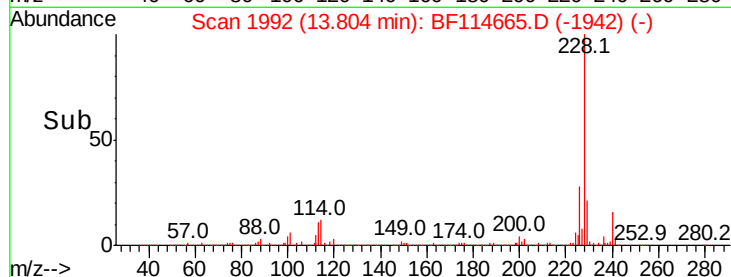
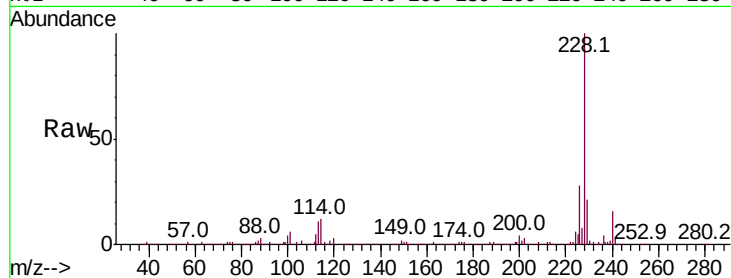
Tot Ion:228 Resp: 2117042

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.0	34.6
229	20.5	17.0	25.4

228 100

226 28.1 23.0 34.6

229 20.5 17.0 25.4



#82

3,3'-Dichlorobenzidine

Concen: 5.532 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

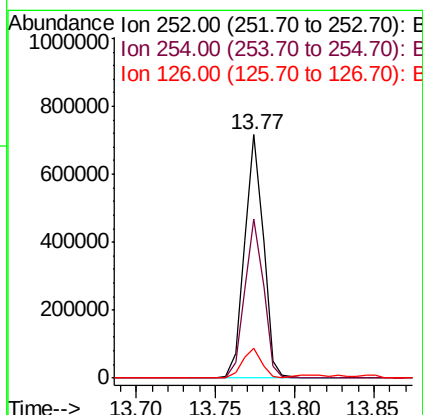
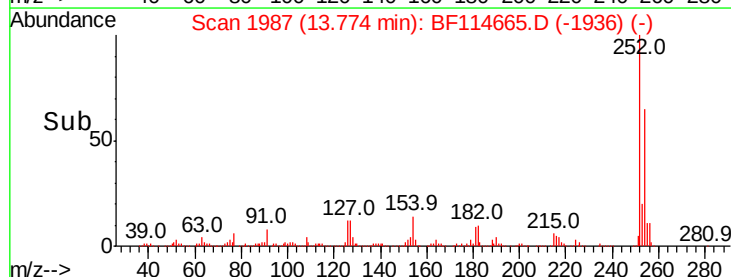
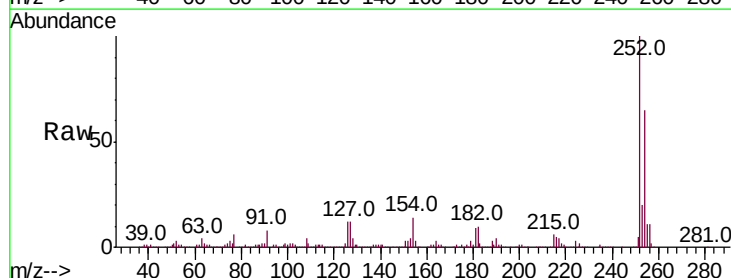
Tgt Ion:252 Resp: 589242

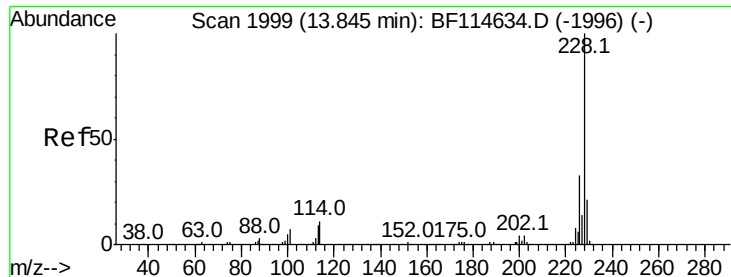
Ion	Ratio	Lower	Upper
252	100		
254	65.5	53.1	79.7
126	12.5	10.2	15.2

252 100

254 65.5 53.1 79.7

126 12.5 10.2 15.2

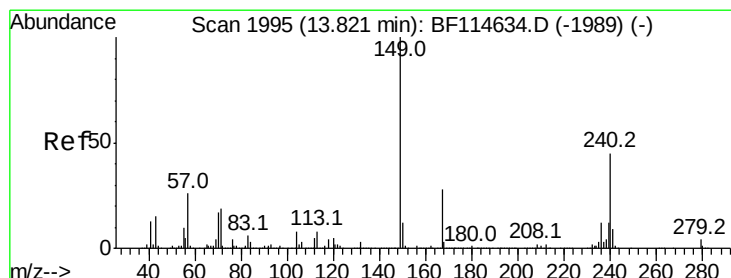
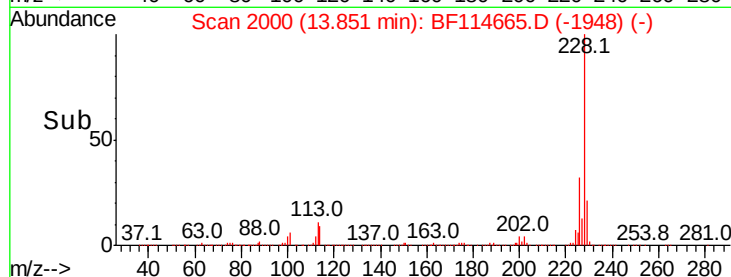
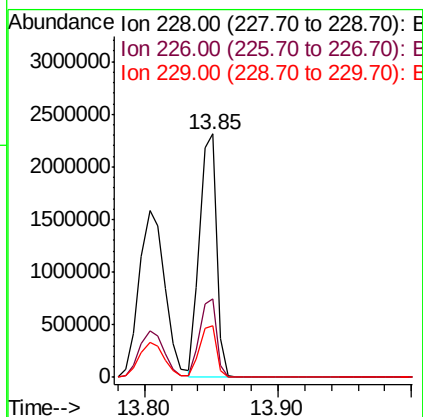
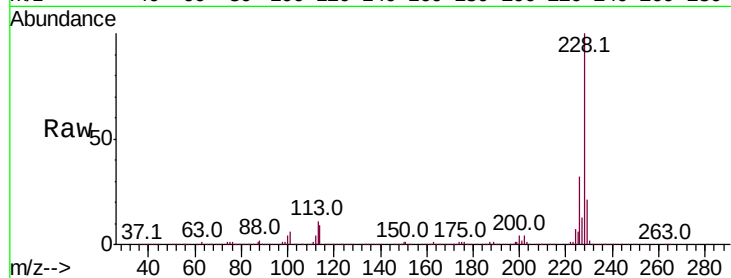




#83
Chrysene
Concen: 7.732 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

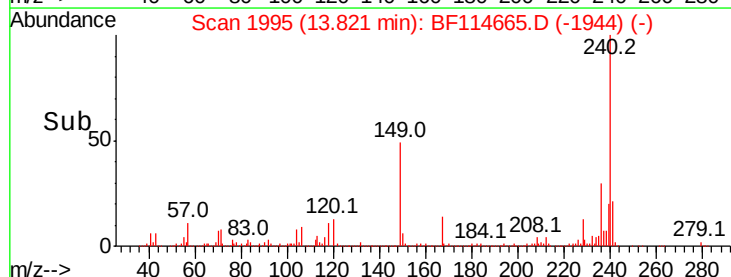
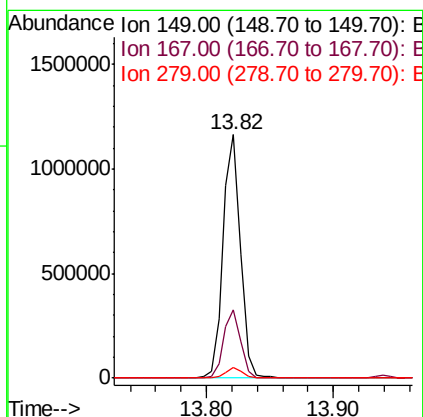
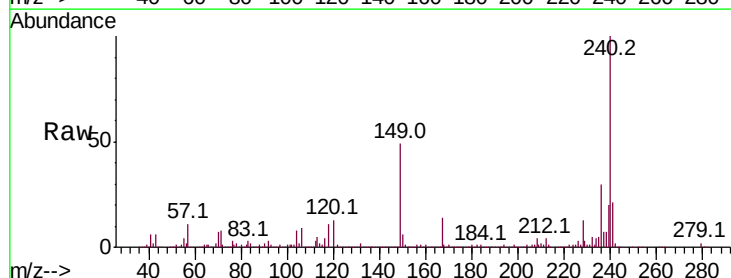
Instrument :
BNA_F
ClientSampleId :

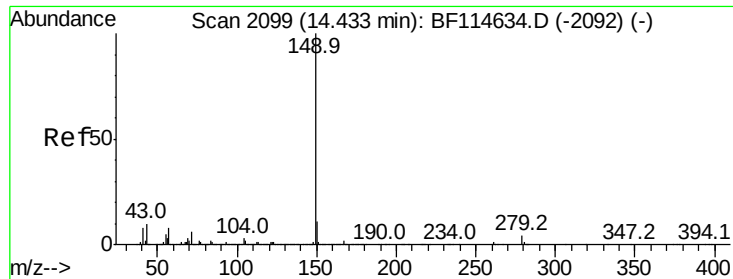
Tot Ion:228 Resp: 2037513
Ion Ratio Lower Upper
228 100
226 32.4 26.4 39.6
229 21.2 17.1 25.7



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.876 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion:149 Resp: 1108534
Ion Ratio Lower Upper
149 100
167 28.0 22.6 33.8
279 4.5 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 7.967 ng

RT: 14.43 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Instrument :

BNA_F

ClientSampleId :

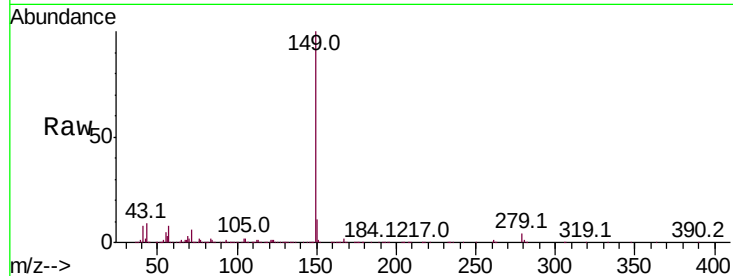
Tot Ion:149 Resp: 2611274

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

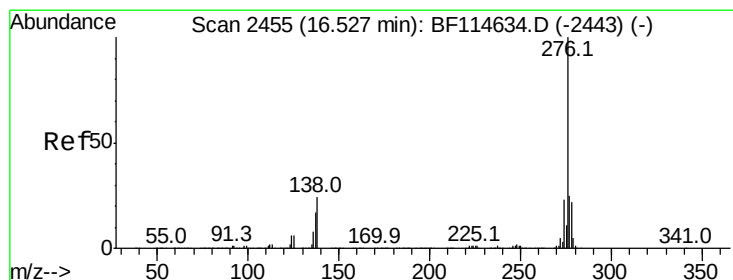
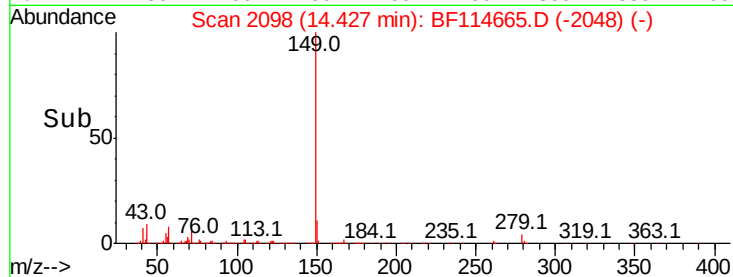
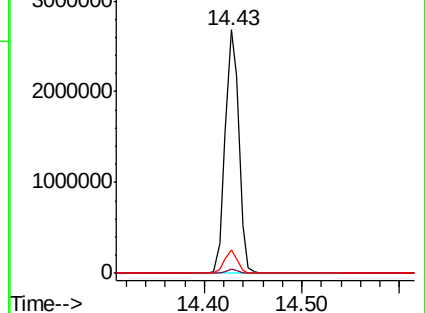
43 9.0 8.0 12.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.629 ng

RT: 16.52 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

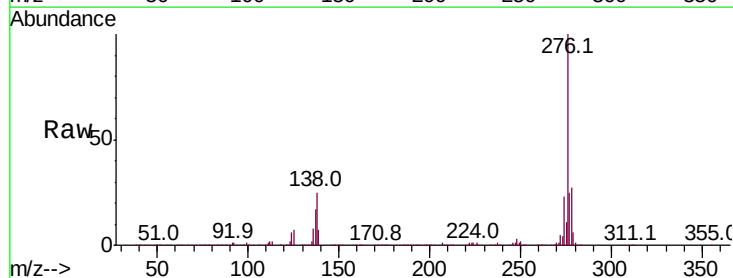
Tgt Ion:276 Resp: 2013516

Ion Ratio Lower Upper

276 100

138 28.7 23.0 34.6

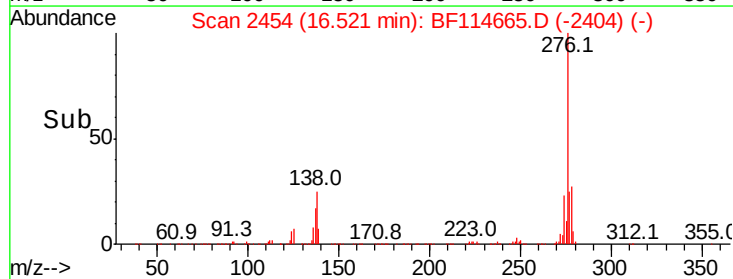
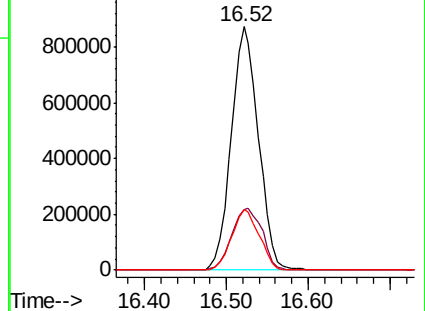
277 25.4 20.5 30.7

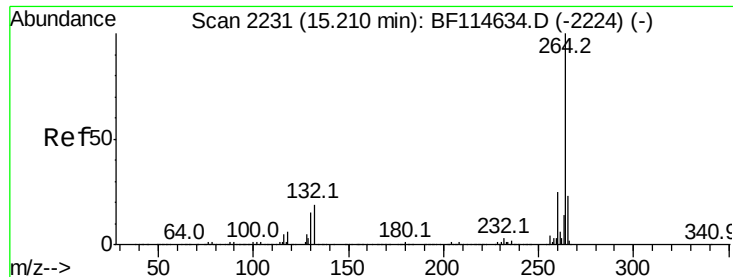


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

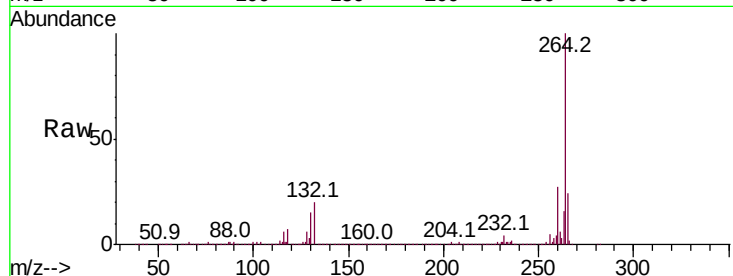
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 4359863

Ion	Ratio	Lower	Upper
264	100		
260	27.3	19.7	29.5
265	23.7	18.1	27.1

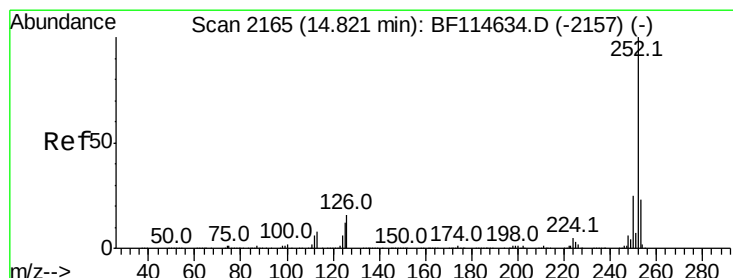
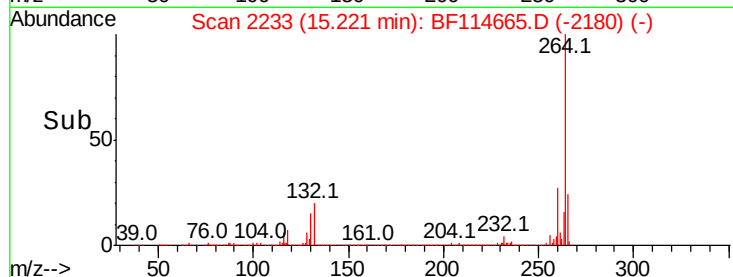
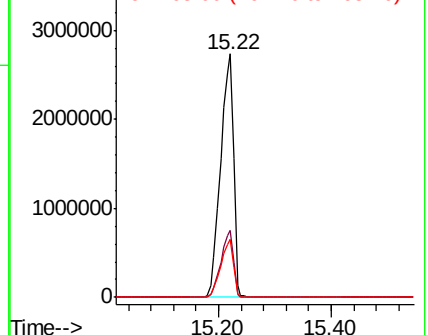


Abundance

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: 7.322 ng

RT: 14.84 min Scan# 2169

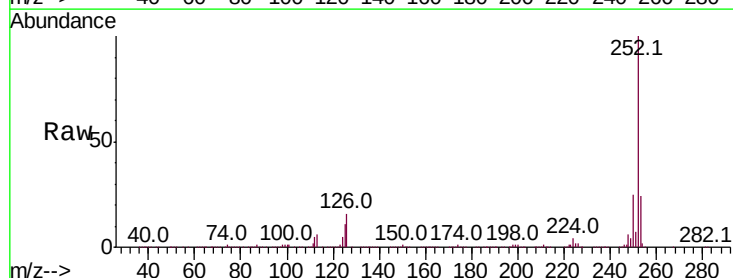
Delta R.T. 0.02 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Tgt Ion:252 Resp: 2010695

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.7	28.1
125	11.3	9.4	14.2

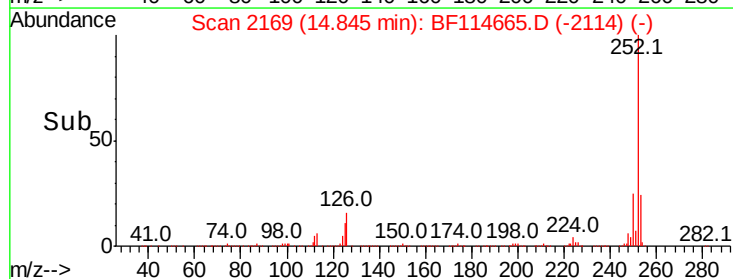
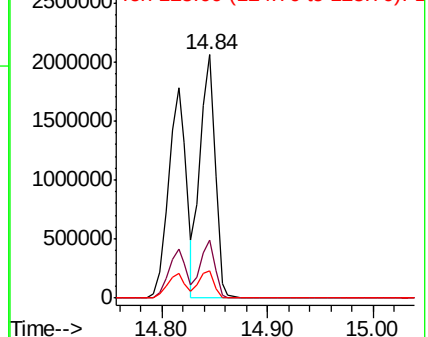


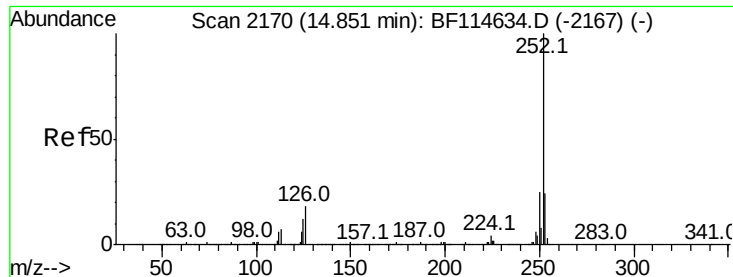
Abundance

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

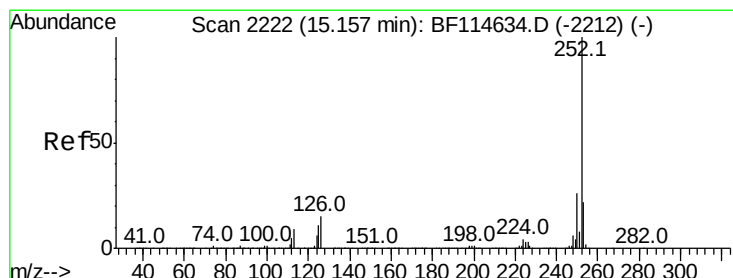
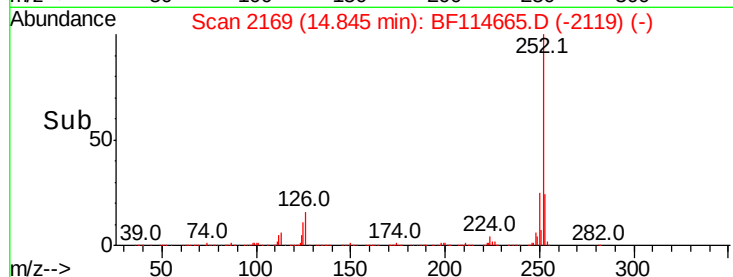
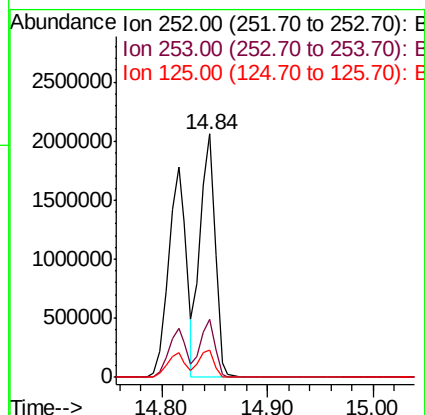
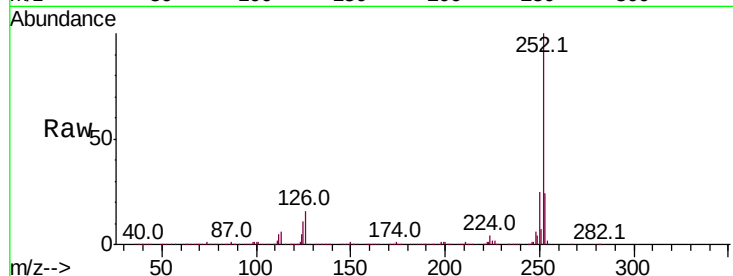




#89
Benzo(k)fluoranthene
Concen: 8.424 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

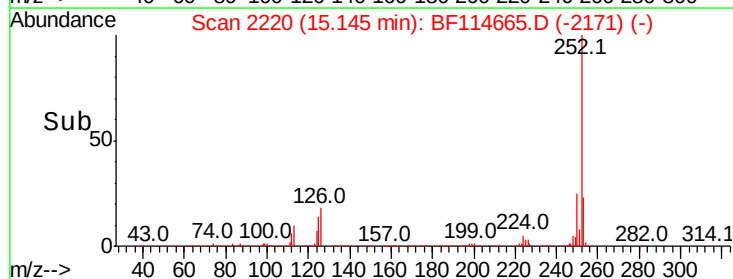
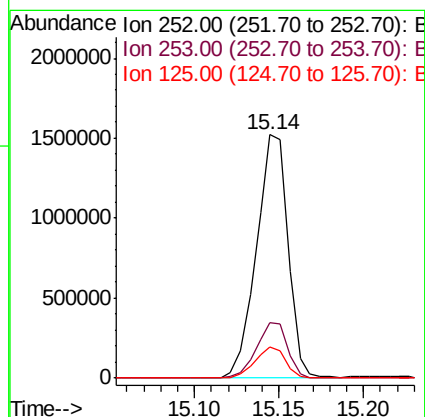
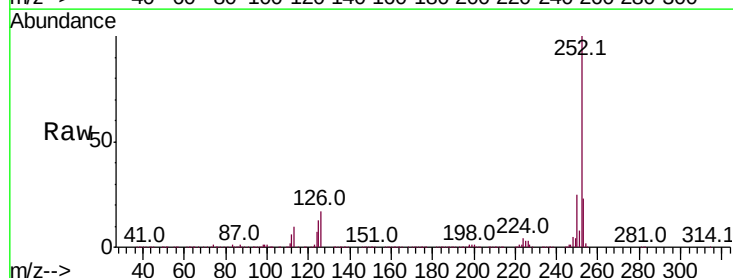
Instrument :
BNA_F
ClientSampled :

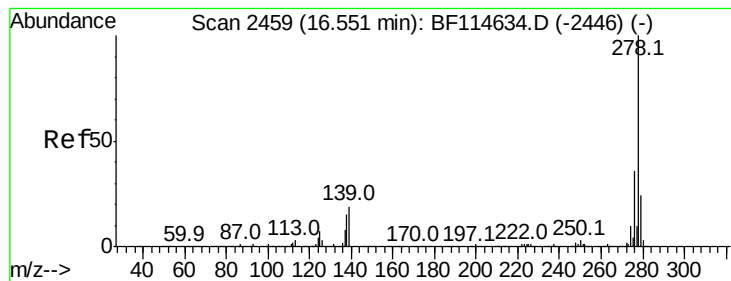
Tot Ion:252 Resp: 2010695
Ion Ratio Lower Upper
252 100
253 23.6 18.9 28.3
125 11.3 9.5 14.3



#90
Benzo(a)pyrene
Concen: 8.235 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF114665.D
Acq: 30 May 2019 17:33

Tgt Ion:252 Resp: 1986589
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 13.0 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 7.906 ng

RT: 16.54 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

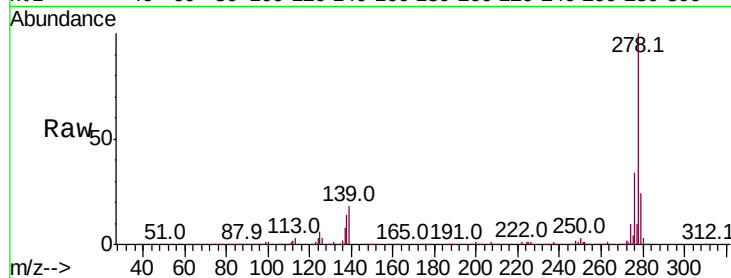
Instrument :

BNA_F

ClientSampled :

Tot Ion:278 Resp: 1685336

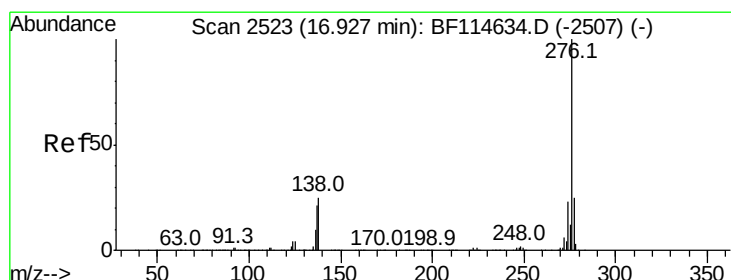
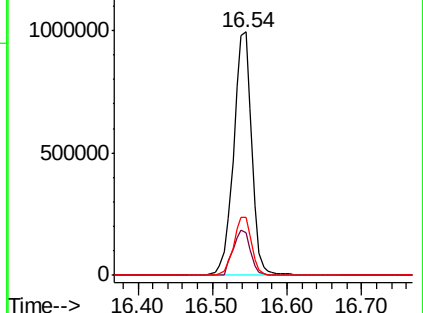
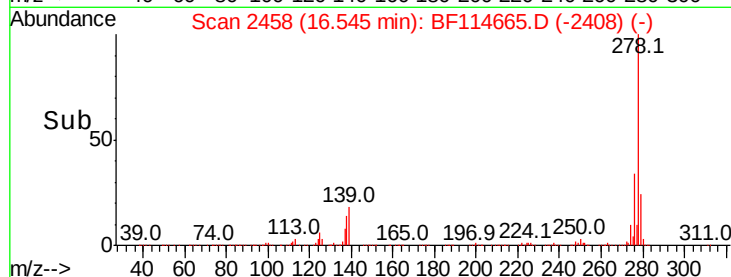
Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.9	22.3
279	24.0	19.5	29.3



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: 7.928 ng

RT: 16.92 min Scan# 2521

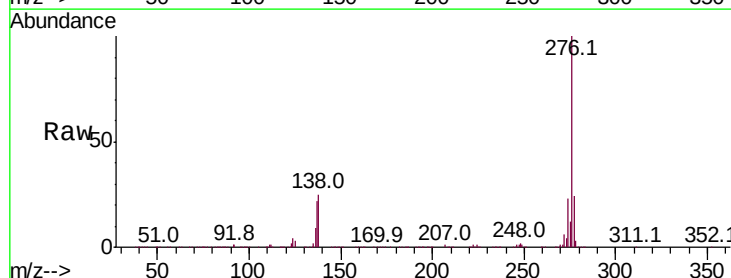
Delta R.T. -0.01 min

Lab File: BF114665.D

Acq: 30 May 2019 17:33

Tgt Ion:276 Resp: 1640233

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.7	29.5
138	25.0	19.8	29.8



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

