

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
 Data File : BF114645.D
 Acq On : 29 May 2019 20:56
 Operator : HP/JU
 Sample : K3068-08MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MS

Quant Time: May 30 04:25:28 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	6.69	152	303991	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1177785	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	595137	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1202050	20.00	ng	0.00
76) Chrysene-d12	13.82	240	759619	20.00	ng	0.00
87) Perylene-d12	15.20	264	825002	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	2154245	124.42	ng	0.01
7) Phenol-d6	6.33	99	2763053	132.43	ng	0.00
23) Nitrobenzene-d5	7.26	82	1702433	90.18	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	799136	140.92	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2949479	94.97	ng	0.00
79) Terphenyl-d14	12.78	244	3370511	83.42	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.36	88	298115	35.879	ng	98
3) Pyridine	3.06	79	827014	34.200	ng	99
4) n-Nitrosodimethylamine	2.99	42	404448	41.331	ng	99
6) Aniline	6.36	93	698284	22.157	ng	100
8) 2-Chlorophenol	6.48	128	893268	44.673	ng	99
9) Benzaldehyde	6.23	77	387507	30.744	ng	100
10) Phenol	6.35	94	1055264	41.868	ng	99
11) bis(2-Chloroethyl)ether	6.43	93	838800	43.508	ng	100
12) 1,3-Dichlorobenzene	6.63	146	949765	41.691	ng	96
13) 1,4-Dichlorobenzene	6.71	146	946550	41.417	ng	98
14) 1,2-Dichlorobenzene	6.87	146	890591	42.803	ng	99
15) Benzyl Alcohol	6.84	79	754348	45.963	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.98	45	1254864	42.437	ng	100
17) 2-Methylphenol	6.95	107	749435	44.313	ng	99
18) Hexachloroethane	7.21	117	352677	40.758	ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	614040	42.636	ng	98
20) 3+4-Methylphenols	7.10	107	854401	42.954	ng	96
22) Acetophenone	7.10	105	1162799	46.336	ng	97
24) Nitrobenzene	7.27	77	913040	45.530	ng	97
25) Isophorone	7.52	82	1735446	45.807	ng	99
26) 2-Nitrophenol	7.59	139	468449	47.990	ng	97
27) 2,4-Dimethylphenol	7.63	122	828475	51.032	ng	100
28) bis(2-Chloroethoxy)methane	7.73	93	1096553	45.468	ng	100
29) 2,4-Dichlorophenol	7.83	162	777433	47.048	ng	100
30) 1,2,4-Trichlorobenzene	7.92	180	837702	44.497	ng	99
31) Naphthalene	8.00	128	2451710	45.192	ng	99
32) Benzoic acid	7.72	122	168535	15.983	ng	98
33) 4-Chloroaniline	8.04	127	310335	12.007	ng	98
34) Hexachlorobutadiene	8.12	225	449627	42.993	ng	99
35) Caprolactam	8.41	113	153100	27.455	ng	97
36) 4-Chloro-3-methylphenol	8.53	107	817330	49.322	ng	97
37) 2-Methylnaphthalene	8.69	142	1750883	48.574	ng	99
38) 1-Methylnaphthalene	8.79	142	1634938	47.873	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	717176	45.251	ng	99

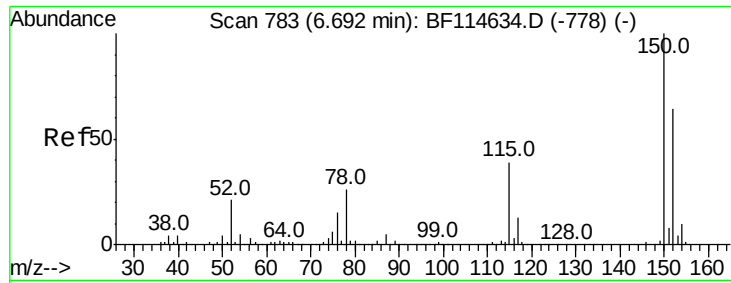
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	774885	73.987	ng	98
43) 2,4,6-Trichlorophenol	8.96	196	567527	45.509	ng	99
44) 2,4,5-Trichlorophenol	9.00	196	611625	49.149	ng	98
46) 1,1'-Biphenyl	9.15	154	2012866	45.563	ng	99
47) 2-Chloronaphthalene	9.17	162	1649830	45.527	ng	98
48) 2-Nitroaniline	9.26	65	500974	44.798	ng	98
49) Acenaphthylene	9.59	152	2534785	45.277	ng	100
50) Dimethylphthalate	9.46	163	2439747	58.832	ng	99
51) 2,6-Dinitrotoluene	9.51	165	466943	48.458	ng	95
52) Acenaphthene	9.76	154	1653935	48.172	ng	100
53) 3-Nitroaniline	9.67	138	261368	22.162	ng	99
54) 2,4-Dinitrophenol	9.77	184	279863	73.631	ng	94
55) Dibenzofuran	9.93	168	2263795	46.320	ng	99
56) 4-Nitrophenol	9.83	139	850770	97.345	ng	90
57) 2,4-Dinitrotoluene	9.91	165	620516	50.175	ng	87
58) Fluorene	10.27	166	1559622	49.546	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.05	232	522421	51.288	ng	100
60) Diethylphthalate	10.15	149	2013222	47.532	ng	100
61) 4-Chlorophenyl-phenylether	10.26	204	778950	48.887	ng	100
62) 4-Nitroaniline	10.28	138	490805	42.708	ng	99
63) Azobenzene	10.42	77	1842115	47.371	ng	99
65) 4,6-Dinitro-2-methylphenol	10.31	198	242843	45.561	ng	96
66) n-Nitrosodiphenylamine	10.38	169	1636312	46.074	ng	99
67) 4-Bromophenyl-phenylether	10.75	248	565572	43.875	ng	98
68) Hexachlorobenzene	10.82	284	598364	42.857	ng	97
69) Atrazine	10.91	200	517788	47.633	ng	99
70) Pentachlorophenol	11.00	266	698416	86.778	ng	99
71) Phenanthrene	11.22	178	2575930	42.009	ng	100
72) Anthracene	11.27	178	2671524	43.047	ng	99
73) Carbazole	11.42	167	2483713	45.537	ng	100
74) Di-n-butylphthalate	11.77	149	3055932	46.880	ng	100
75) Fluoranthene	12.40	202	2729816	42.993	ng	99
77) Benzidine	12.52	184	1083490	34.639	ng	98
78) Pyrene	12.63	202	2761298	42.972	ng	100
80) Butylbenzylphthalate	13.26	149	1467692	45.448	ng	99
81) Benzo(a)anthracene	13.81	228	2461056	42.160	ng	100
82) 3,3'-Dichlorobenzidine	13.77	252	441082	19.566	ng	98
83) Chrysene	13.84	228	2387815	42.814	ng	100
84) Bis(2-ethylhexyl)phthalate	13.82	149	1884408	47.200	ng	100
85) Di-n-octyl phthalate	14.43	149	3205404	46.209	ng	99
86) Indeno(1,2,3-cd)pyrene	16.53	276	2386173	42.718	ng	100
88) Benzo(b)fluoranthene	14.82	252	2304929	44.358	ng	100
89) Benzo(k)fluoranthene	14.84	252	2157600	47.773	ng	100
90) Benzo(a)pyrene	15.14	252	2129946	46.660	ng	97
91) Dibenzo(a,h)anthracene	16.54	278	1967126	48.767	ng	99
92) Benzo(g,h,i)perylene	16.92	276	2011042	51.368	ng	99

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

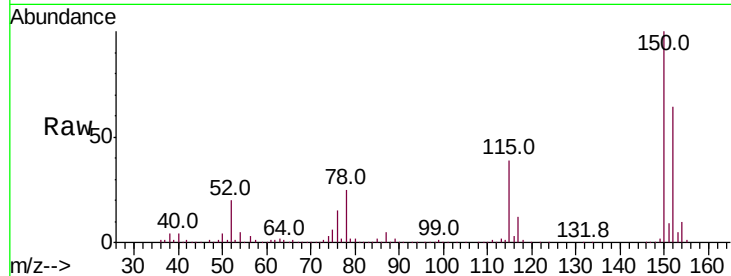


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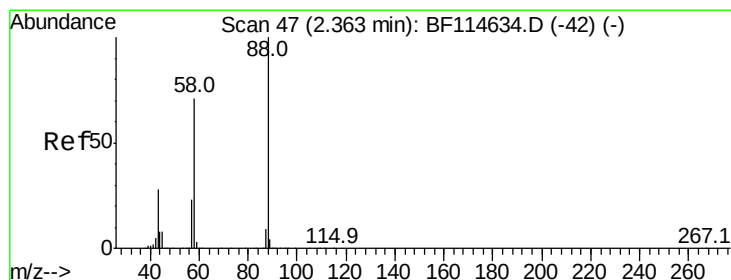
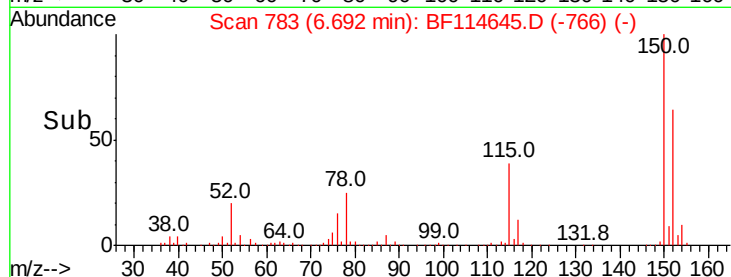
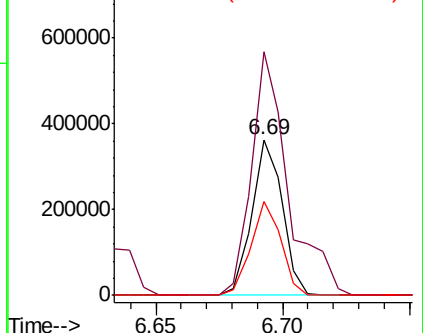
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MS

Tot Ion:152 Resp: 303991
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.4 186.6
 115 60.6 48.7 73.1



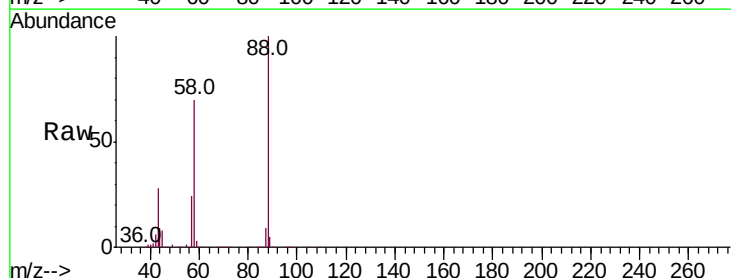
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



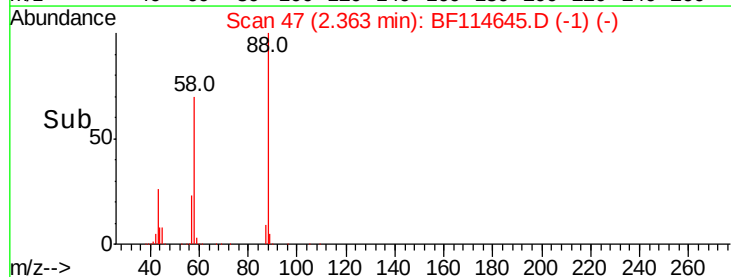
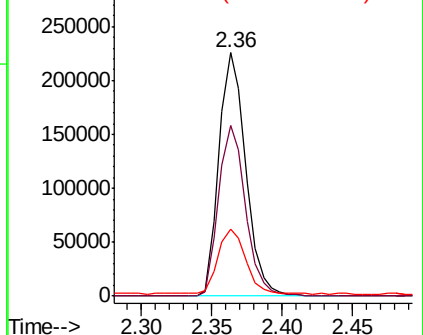
#2

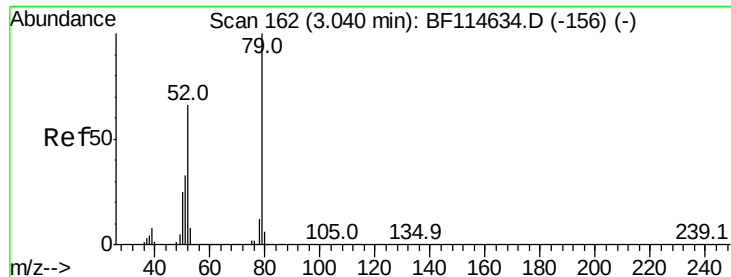
1,4-Dioxane
 Concen: 35.879 ng
 RT: 2.36 min Scan# 47
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion: 88 Resp: 298115
 Ion Ratio Lower Upper
 88 100
 58 70.1 57.2 85.8
 43 27.6 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





#3

Pvridine

Concen: 34.200 ng

RT: 3.06 min Scan# 165

Delta R.T. 0.02 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

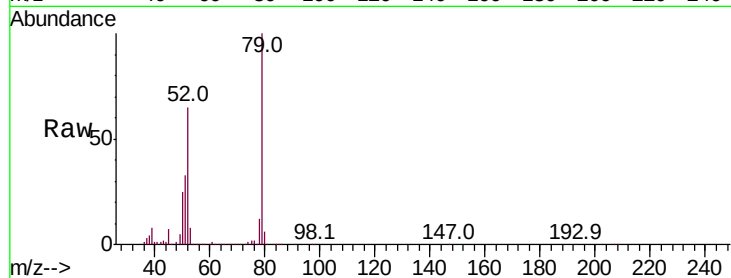
Tot Ion: 79 Resp: 827014

Ion Ratio Lower Upper

79 100

52 65.0 52.8 79.2

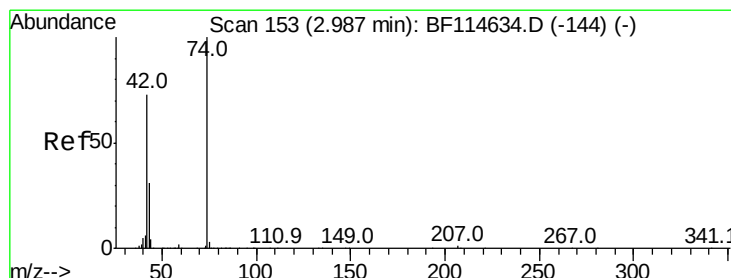
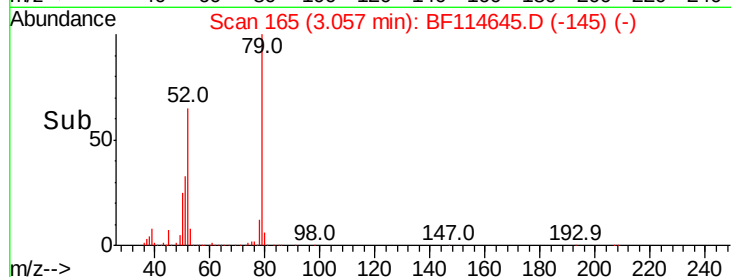
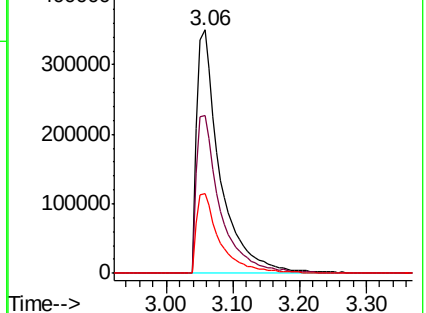
51 32.6 26.3 39.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 41.331 ng

RT: 2.99 min Scan# 153

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

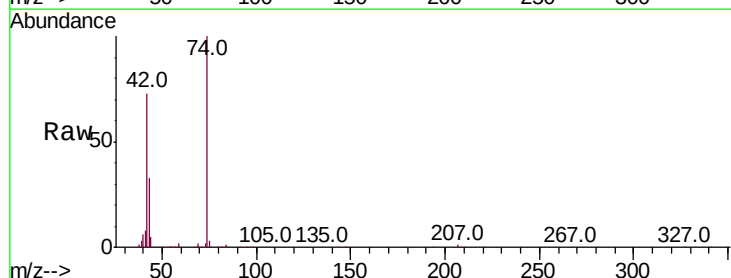
Tgt Ion: 42 Resp: 404448

Ion Ratio Lower Upper

42 100

74 136.3 110.0 165.0

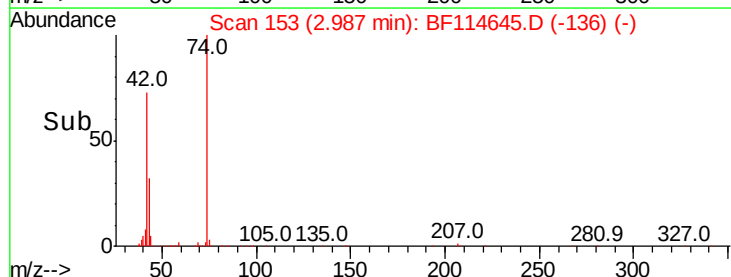
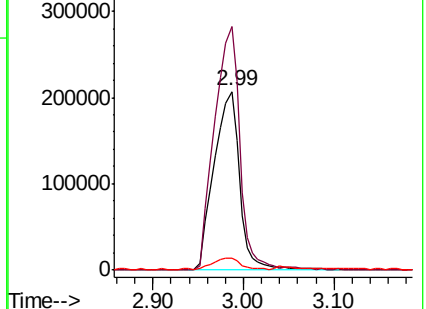
44 6.9 5.6 8.4

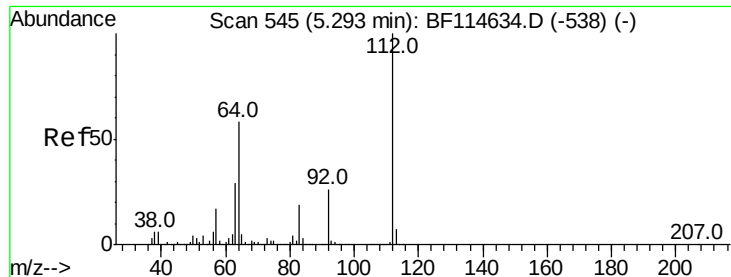


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 124.419 ng

RT: 5.30 min Scan# 547

Delta R.T. 0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

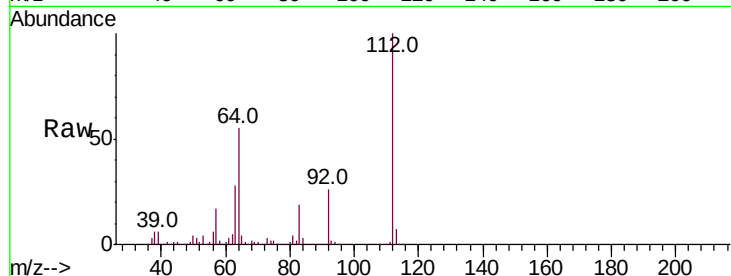
Tot Ion:112 Resp: 2154245

Ion Ratio Lower Upper

112 100

64 55.1 46.1 69.1

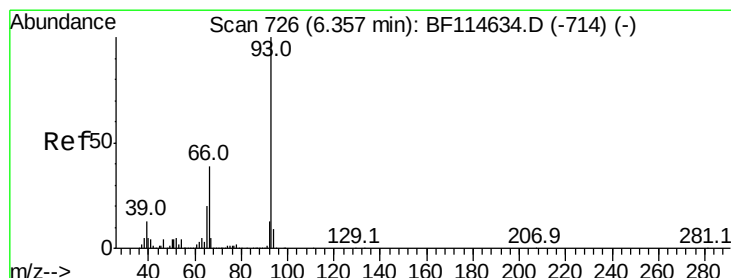
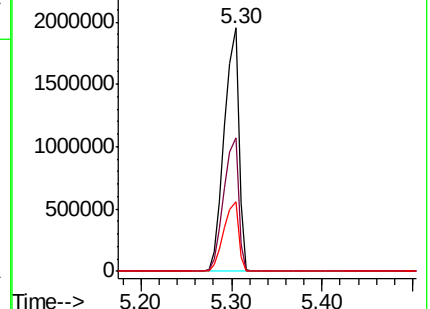
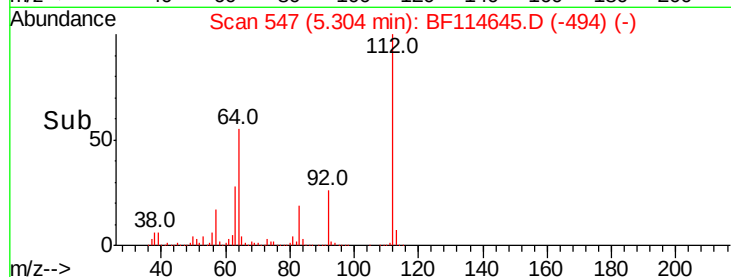
63 28.4 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 22.157 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

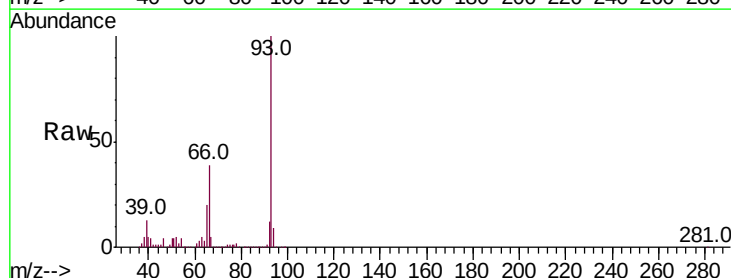
Tgt Ion: 93 Resp: 698284

Ion Ratio Lower Upper

93 100

66 39.2 31.4 47.2

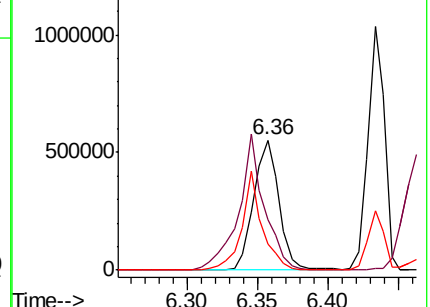
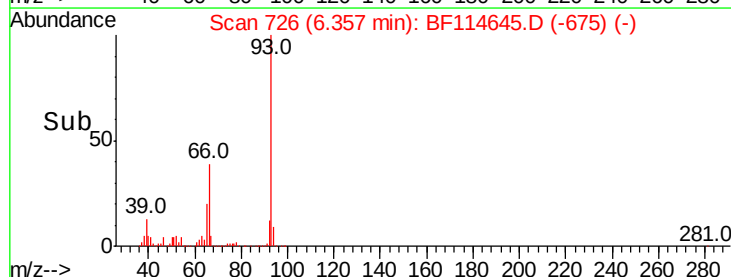
65 19.8 16.2 24.2

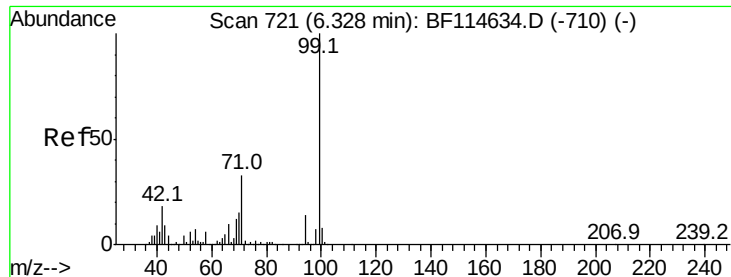


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 132.428 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114645.D

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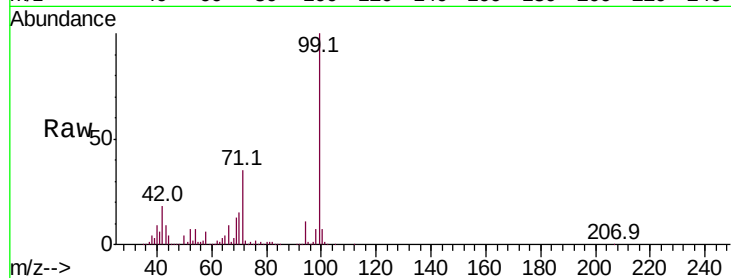
Tot Ion: 99 Resp: 2763053

Ion Ratio Lower Upper

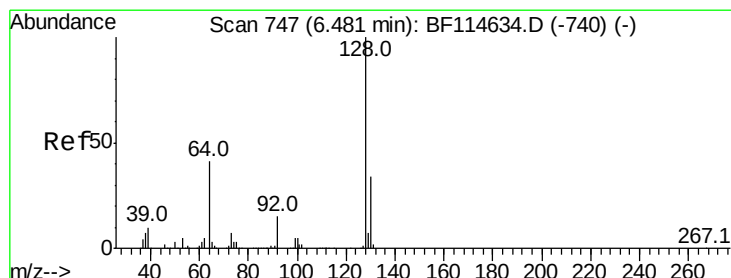
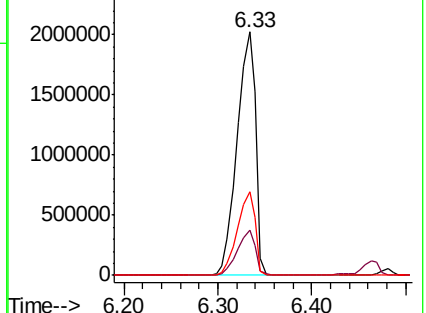
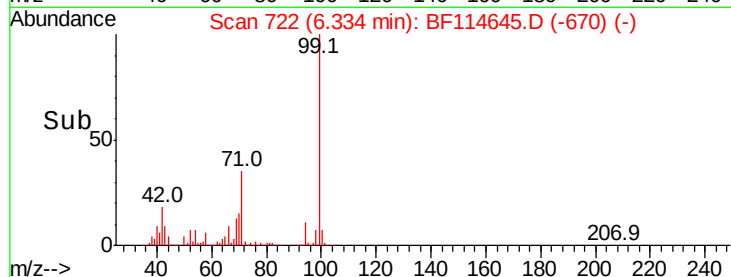
99 100

42 18.4 14.7 22.1

71 34.6 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.673 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

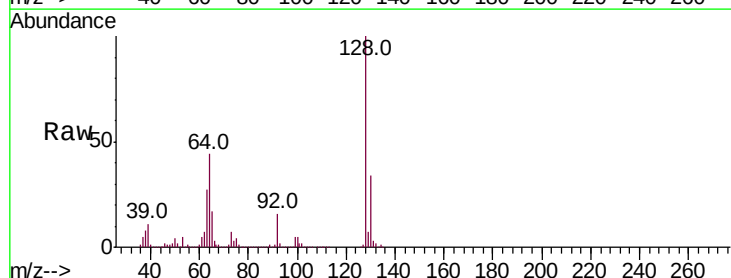
Tgt Ion: 128 Resp: 893268

Ion Ratio Lower Upper

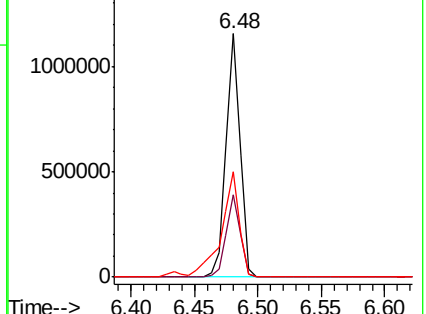
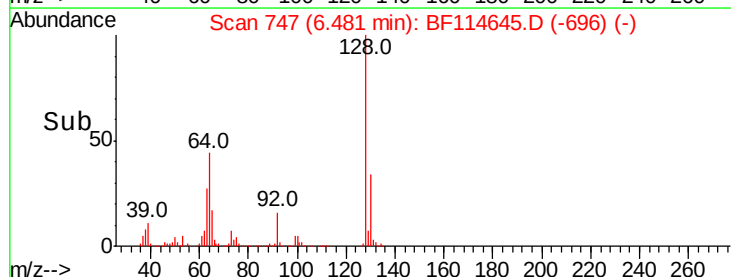
128 100

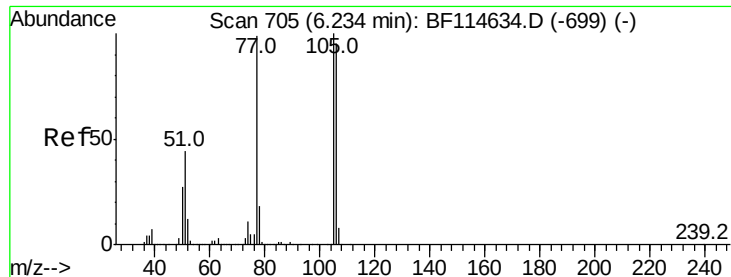
130 33.7 13.9 53.9

64 43.5 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





#9

Benzaldehyde

Concen: 30.744 ng

RT: 6.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF114645.D

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B-4W(3-4)MS

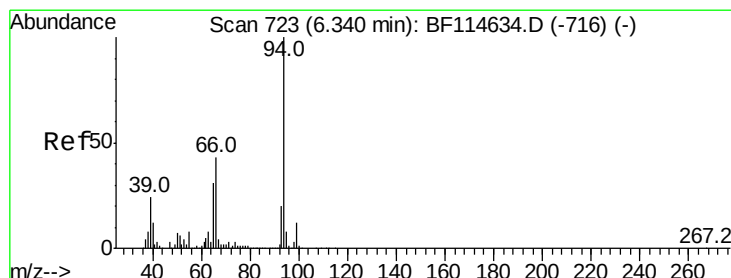
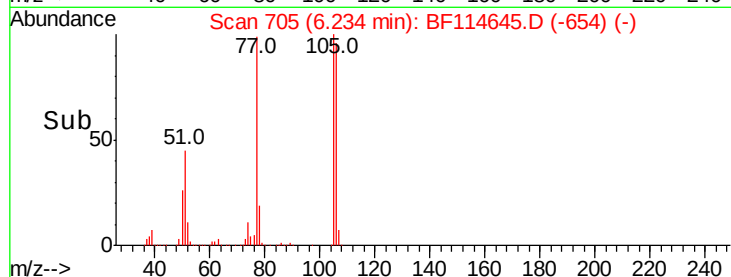
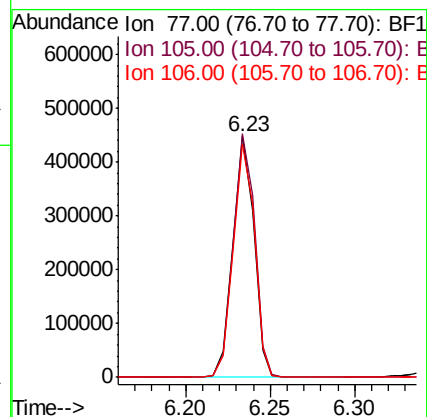
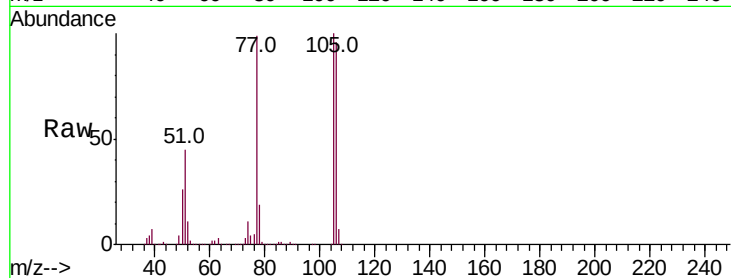
Tot Ion: 77 Resp: 387507

Ion Ratio Lower Upper

77 100

105 101.1 80.8 120.8

106 96.7 76.2 116.2



#10

Phenol

Concen: 41.868 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

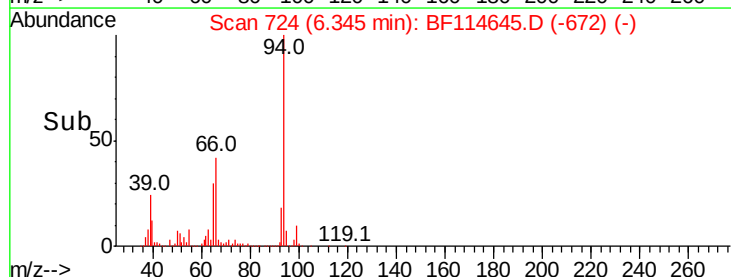
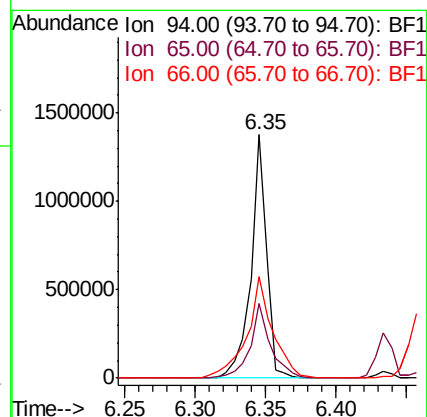
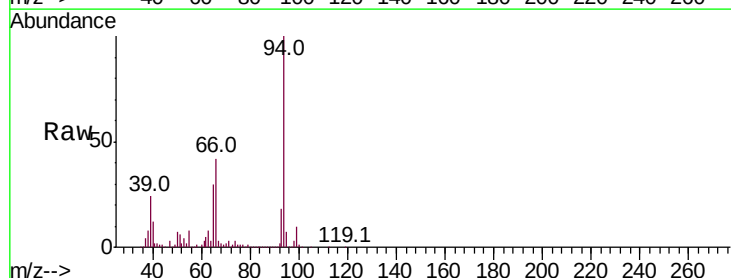
Tgt Ion: 94 Resp: 1055264

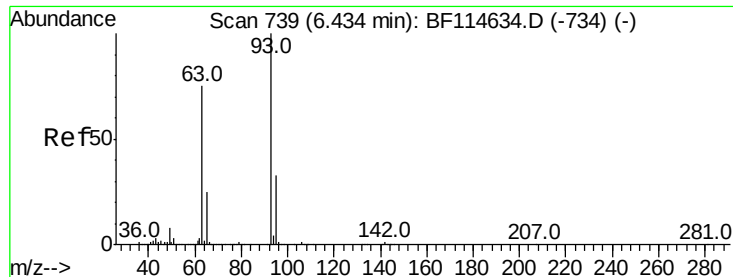
Ion Ratio Lower Upper

94 100

65 30.5 11.0 51.0

66 41.9 23.0 63.0





#11

bis(2-Chloroethyl)ether

Concen: 43.508 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

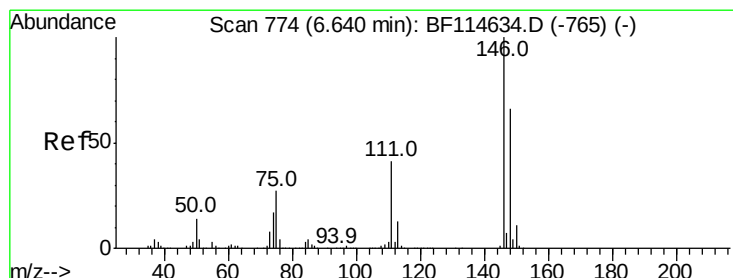
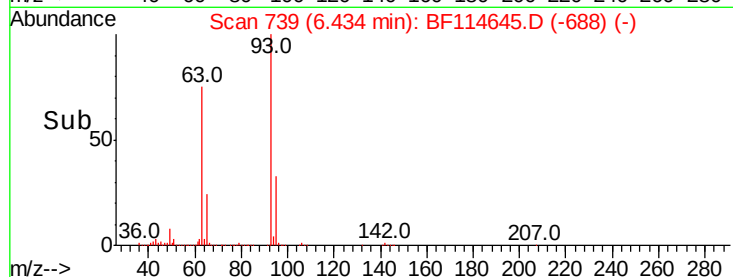
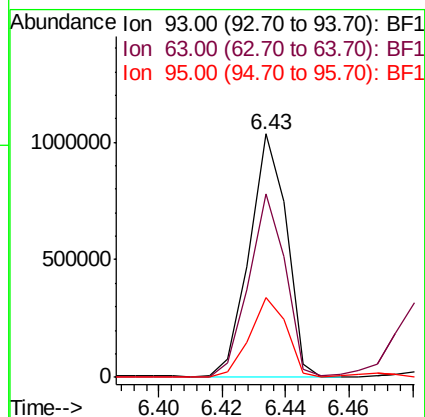
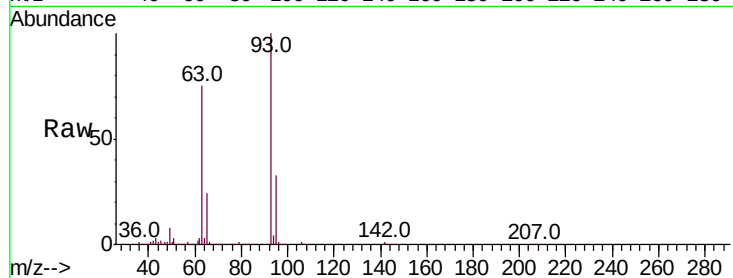
Tot Ion: 93 Resp: 838800

Ion Ratio Lower Upper

93 100

63 75.2 55.0 95.0

95 33.0 13.5 53.5



#12

1,3-Dichlorobenzene

Concen: 41.691 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

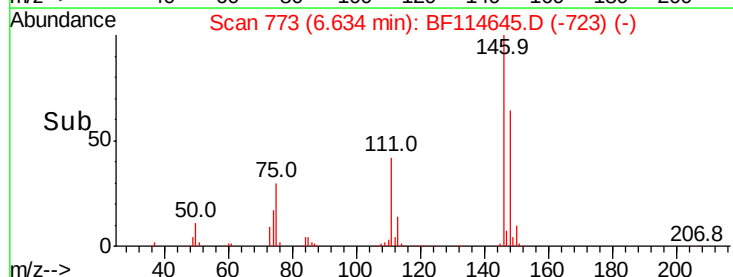
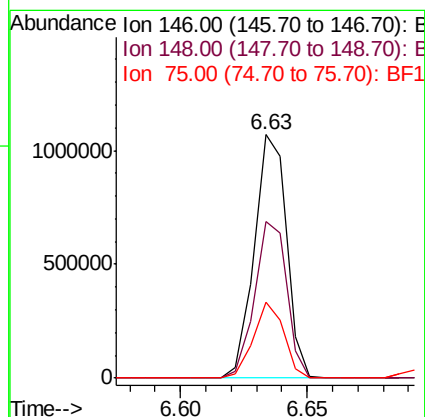
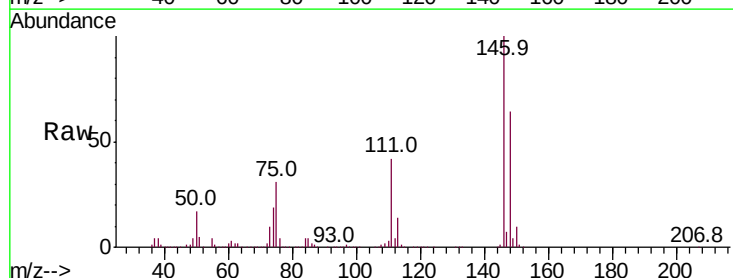
Tgt Ion: 146 Resp: 949765

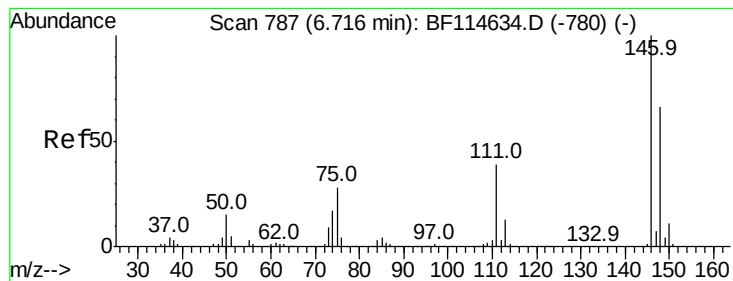
Ion Ratio Lower Upper

146 100

148 64.3 52.9 79.3

75 31.0 22.0 33.0





#13

1,4-Dichlorobenzene

Concen: 41.417 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

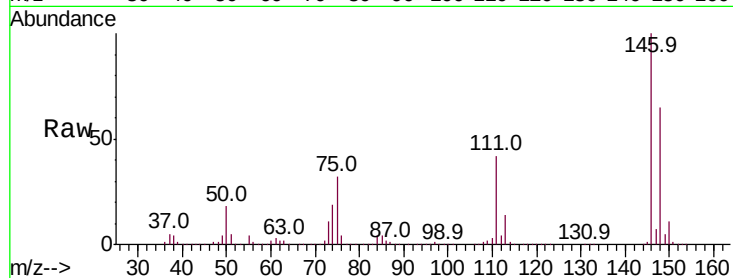
Tot Ion:146 Resp: 946550

Ion Ratio Lower Upper

146 100

148 65.2 52.5 78.7

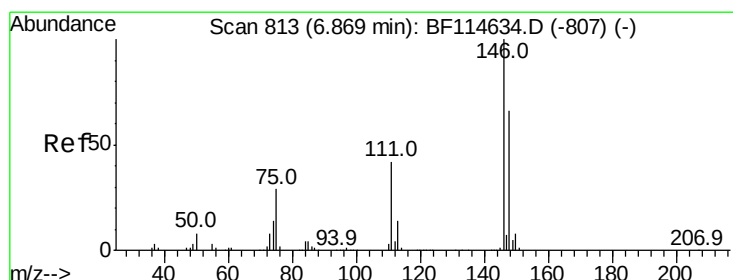
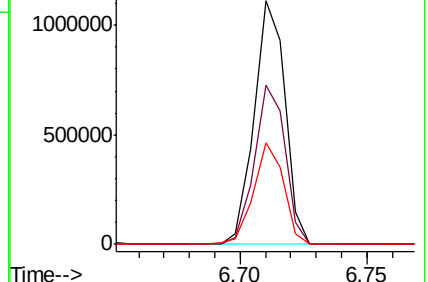
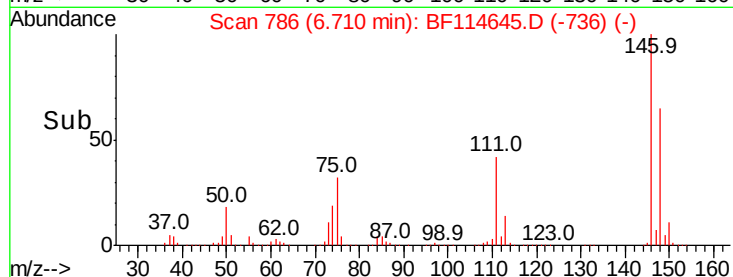
111 41.9 31.4 47.2



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: 42.803 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

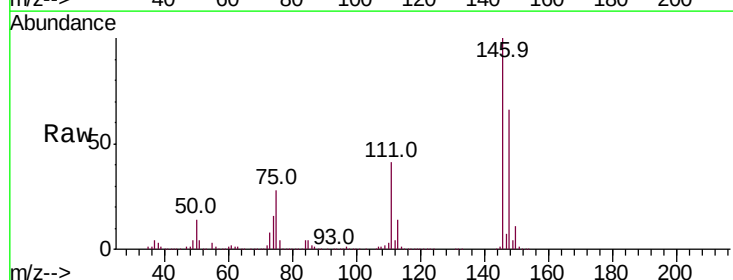
Tgt Ion:146 Resp: 890591

Ion Ratio Lower Upper

146 100

148 65.8 52.6 79.0

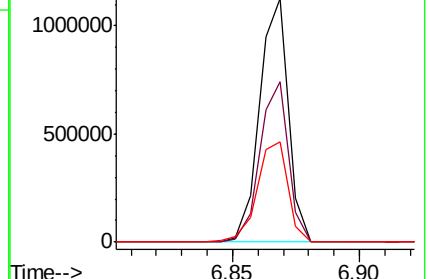
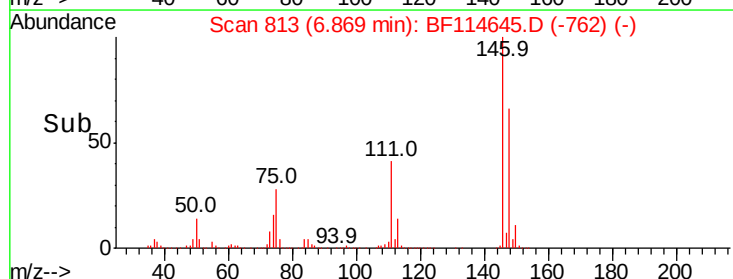
111 40.9 34.1 51.1

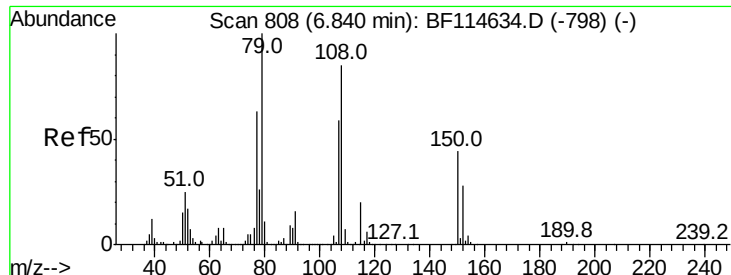


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 45.963 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

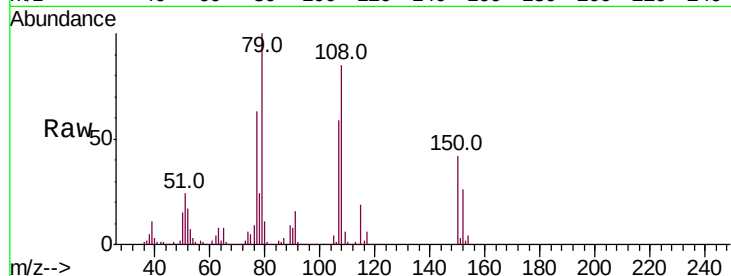
Tot Ion: 79 Resp: 754348

Ion Ratio Lower Upper

79 100

108 84.7 67.8 101.8

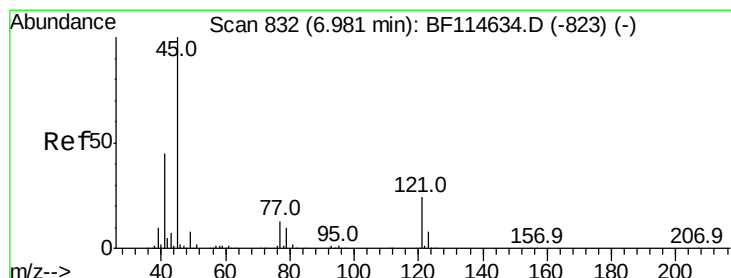
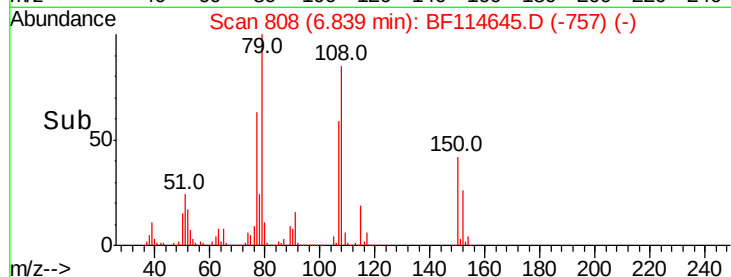
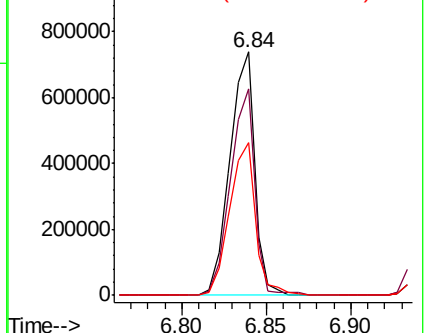
77 62.8 50.7 76.1



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.437 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

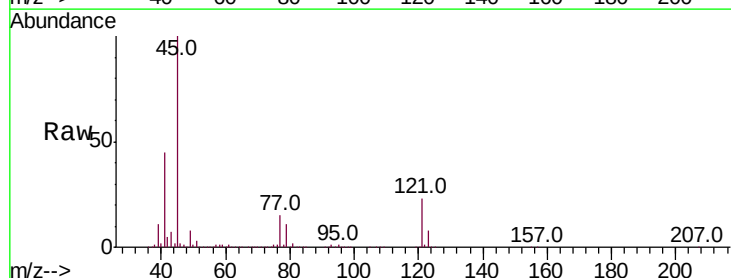
Tgt Ion: 45 Resp: 1254864

Ion Ratio Lower Upper

45 100

77 14.6 0.0 34.7

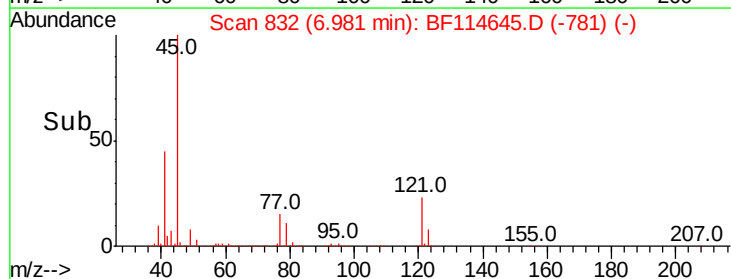
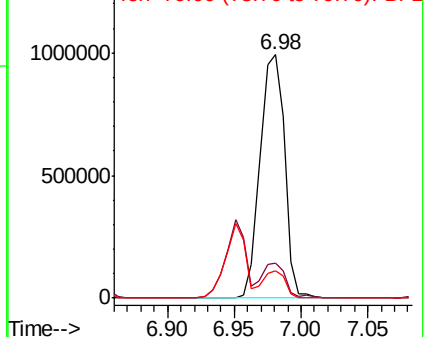
79 11.2 0.0 31.3

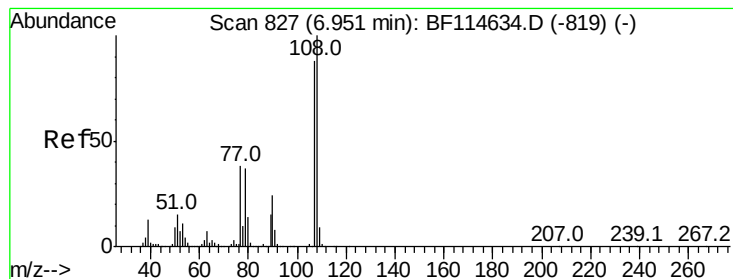


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 44.313 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

Tot Ion:107 Resp: 749435

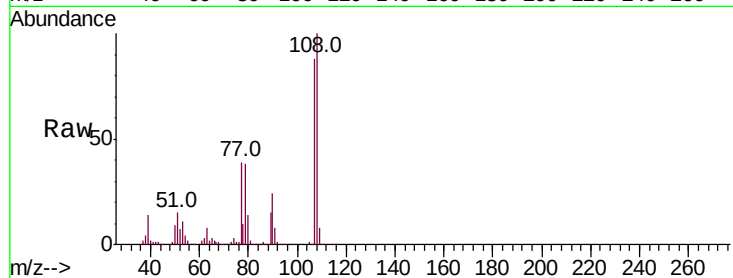
Ion Ratio Lower Upper

107 100

108 113.3 91.1 136.7

77 44.7 34.9 52.3

79 42.9 33.8 50.6

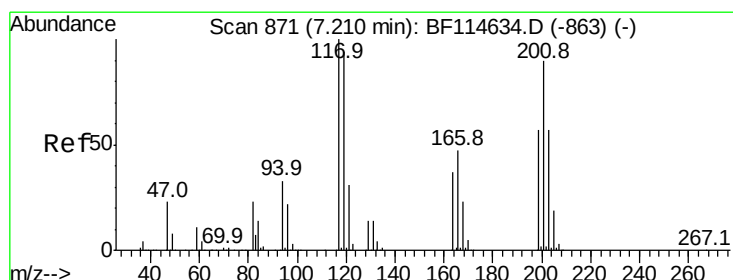
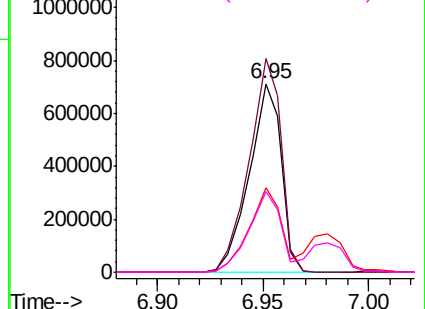
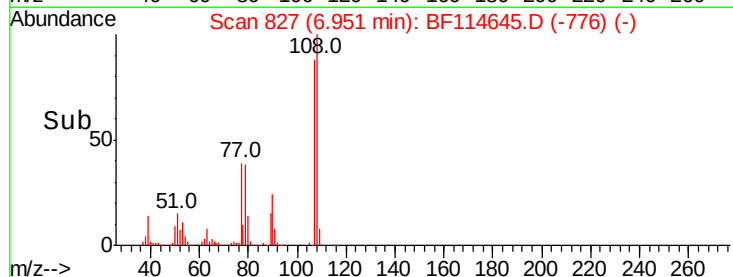


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 40.758 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

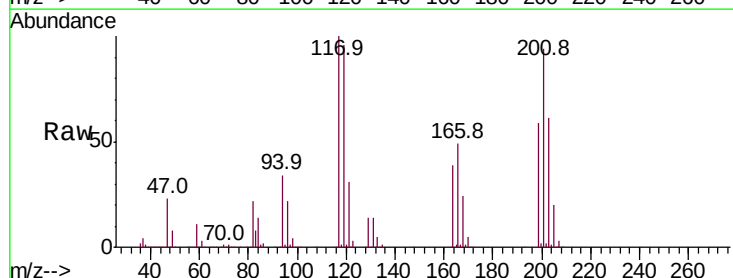
Tgt Ion:117 Resp: 352677

Ion Ratio Lower Upper

117 100

119 95.9 75.6 113.4

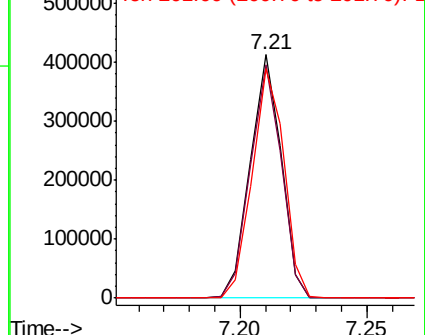
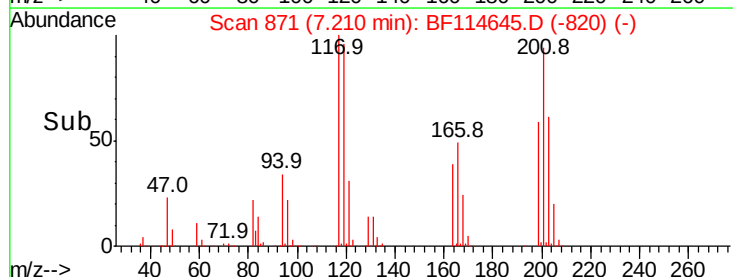
201 94.2 71.7 107.5

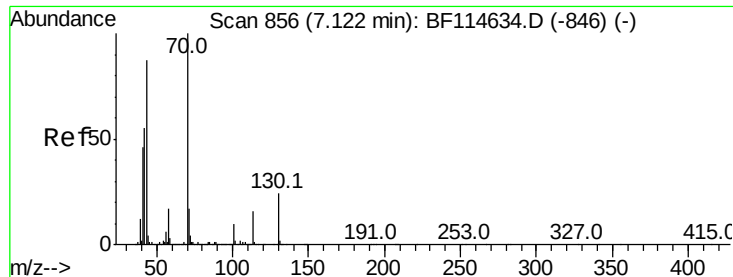


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

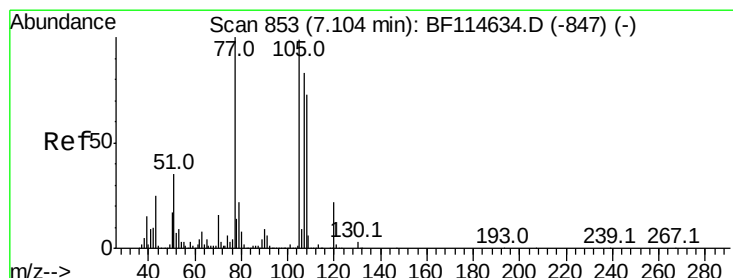
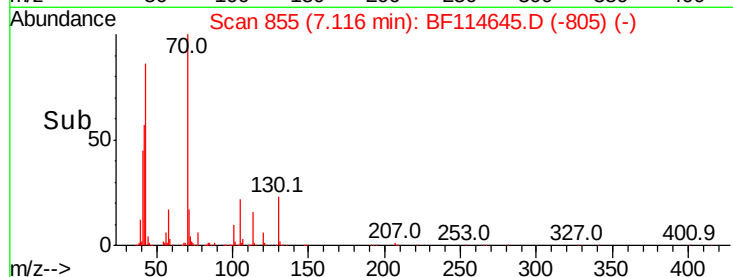
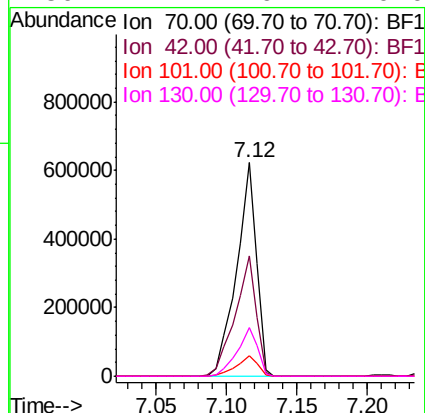
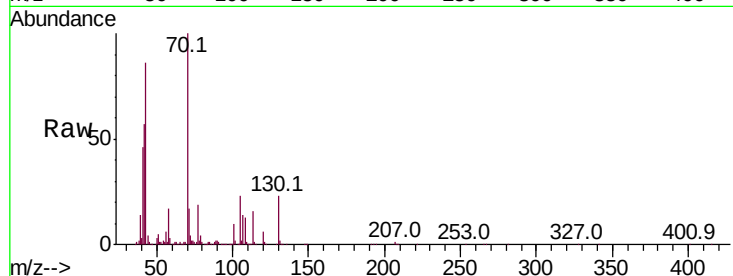




#19
n-Nitroso-di-n-propylamine
Concen: 42.636 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

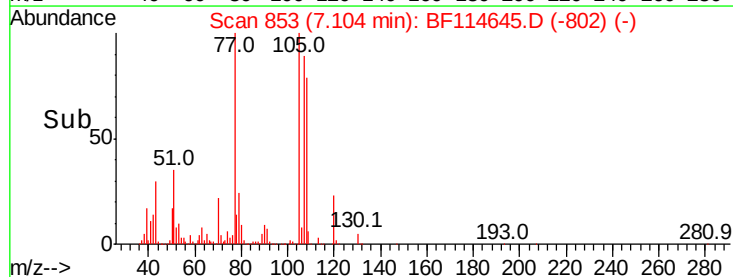
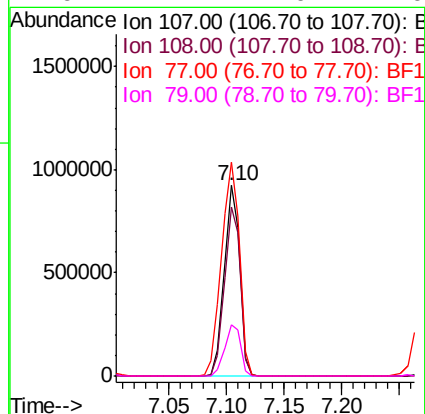
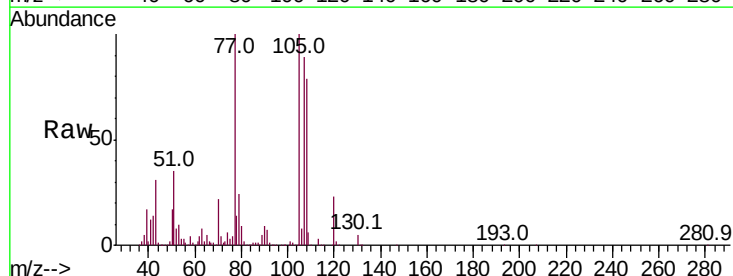
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

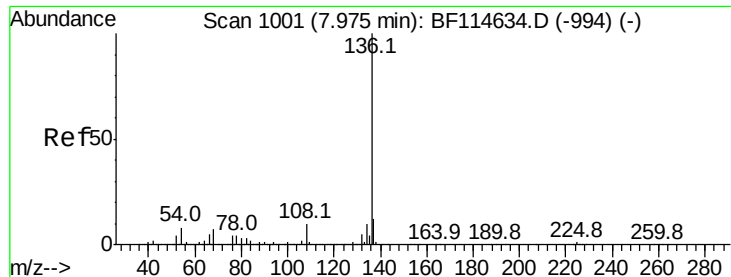
Tot Ion:	70	Resp:	614040
Ion	Ratio	Lower	Upper
70	100		
42	56.6	44.4	66.6
101	9.8	8.2	12.4
130	22.7	19.4	29.0



#20
3+4-Methylphenols
Concen: 42.954 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:	107	Resp:	854401
Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.6	108.6
77	112.0	100.5	140.5
79	27.2	7.0	47.0

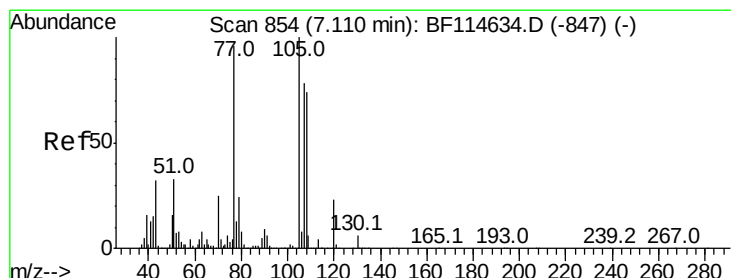
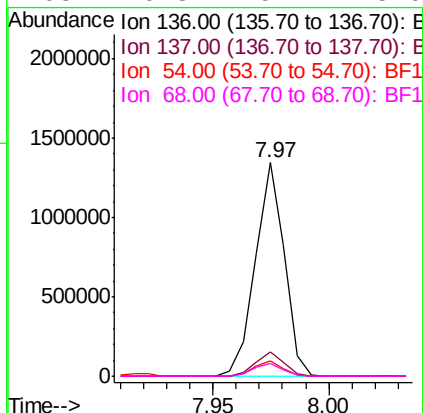
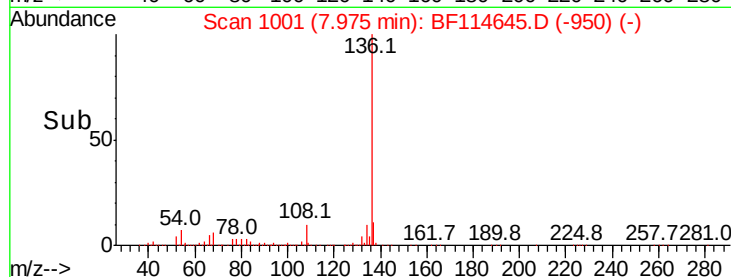
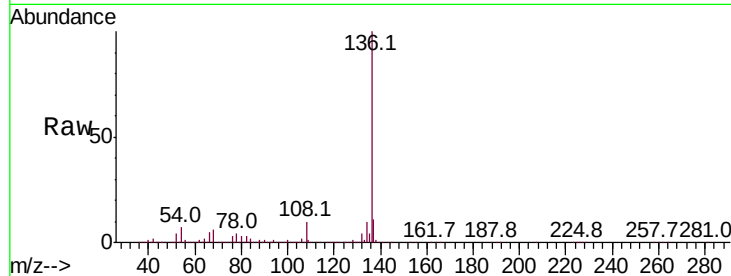




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

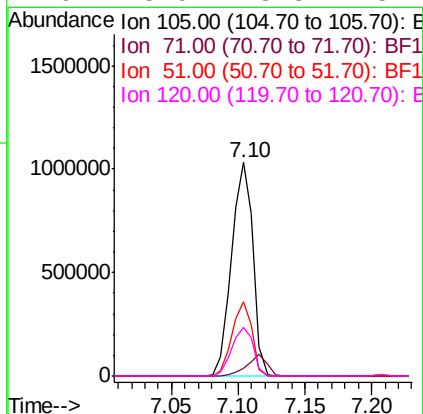
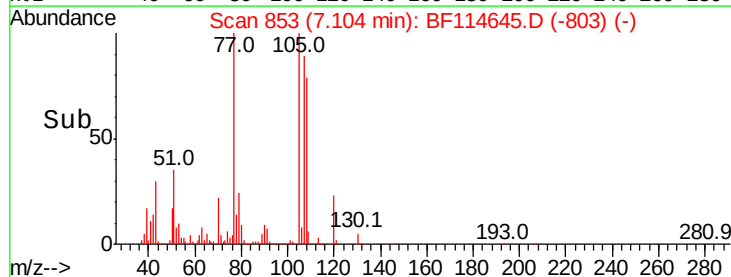
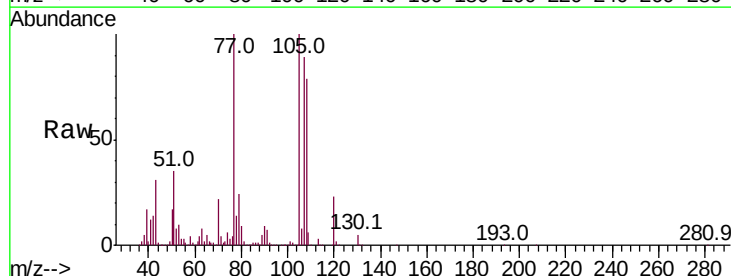
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

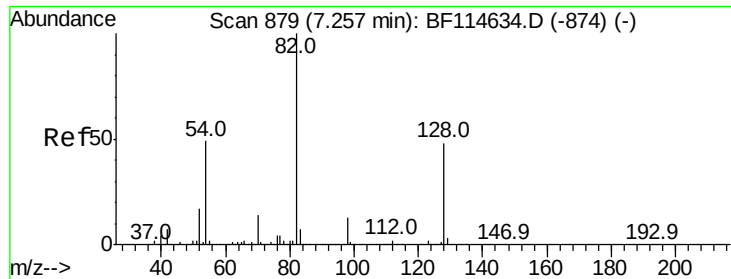
Tot Ion:136 Resp: 1177785
Ion Ratio Lower Upper
136 100
137 11.4 9.3 13.9
54 7.4 6.3 9.5
68 6.3 5.4 8.0



#22
Acetophenone
Concen: 46.336 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:105 Resp: 1162799
Ion Ratio Lower Upper
105 100
71 3.7 3.6 5.4
51 34.6 26.0 39.0
120 23.0 18.8 28.2



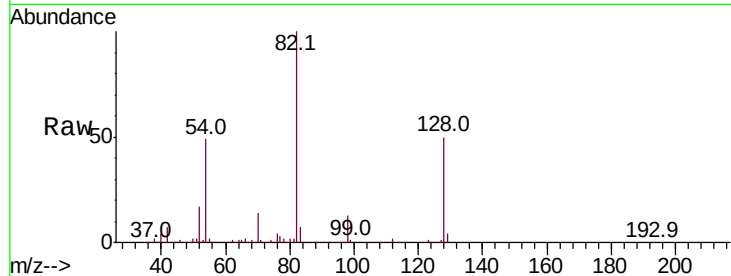


#23
 Nitrobenzene-d5
 Concen: 90.181 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

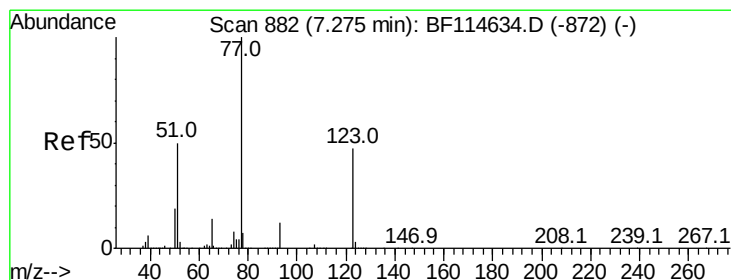
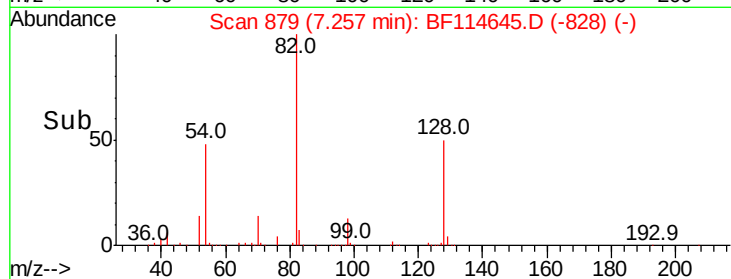
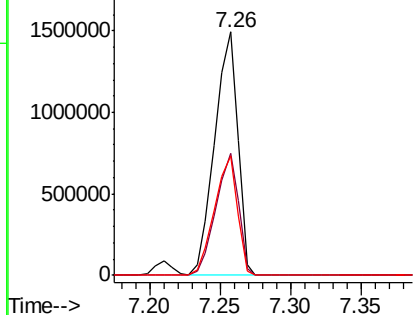
Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MS

Tot Ion: 82 Resp: 1702433

Ion	Ratio	Lower	Upper
82	100		
128	50.1	38.5	57.7
54	49.0	39.1	58.7



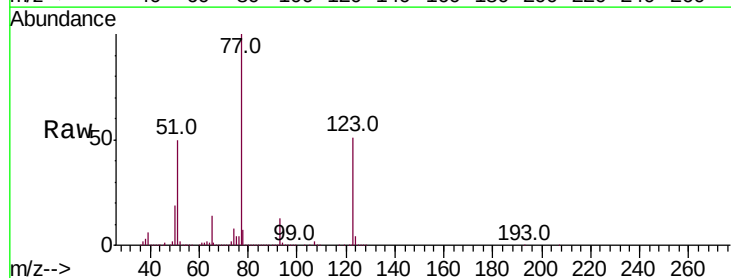
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



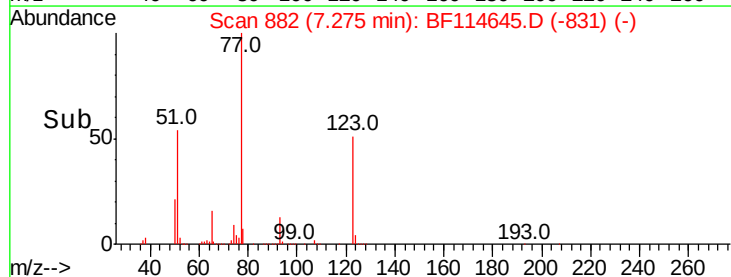
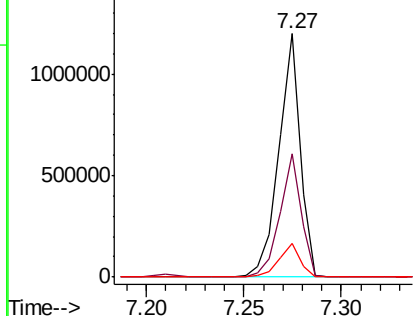
#24
 Nitrobenzene
 Concen: 45.530 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

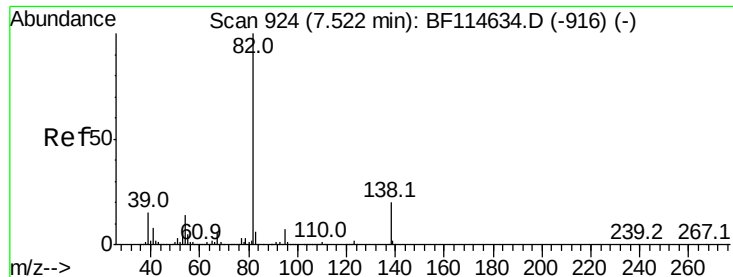
Tgt Ion: 77 Resp: 913040

Ion	Ratio	Lower	Upper
77	100		
123	50.7	38.5	57.7
65	13.9	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: 45.807 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

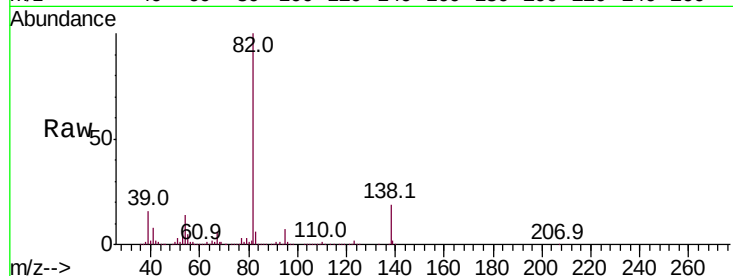
Tot Ion: 82 Resp: 1735446

Ion Ratio Lower Upper

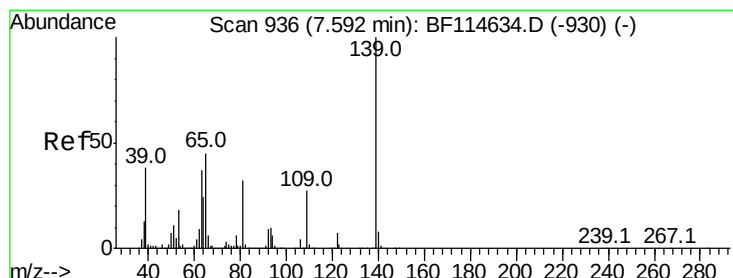
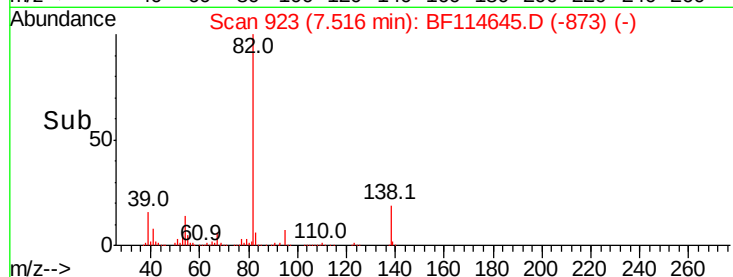
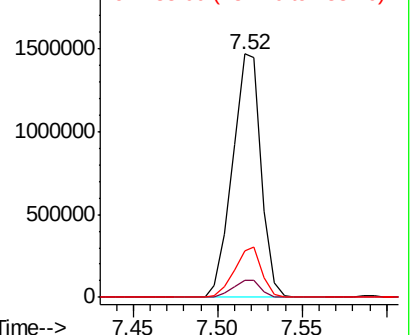
82 100

95 6.9 5.6 8.4

138 19.0 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: 47.990 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

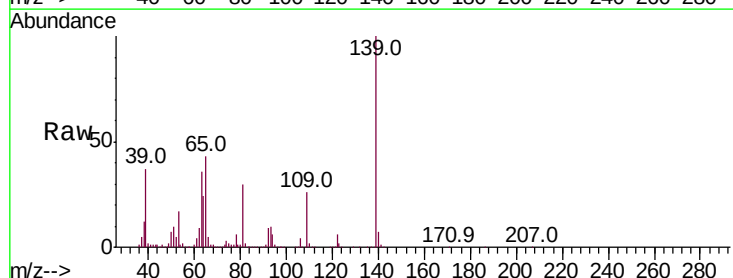
Tgt Ion: 139 Resp: 468449

Ion Ratio Lower Upper

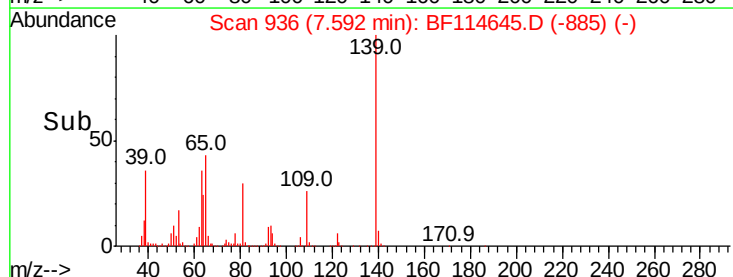
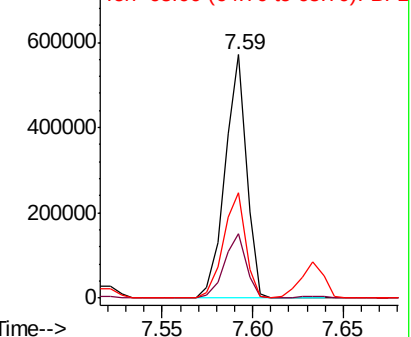
139 100

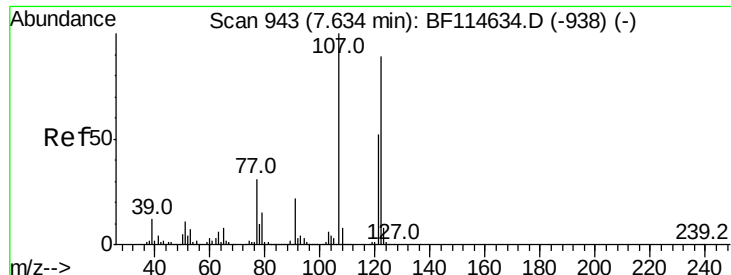
109 26.4 21.7 32.5

65 43.2 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: 51.032 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

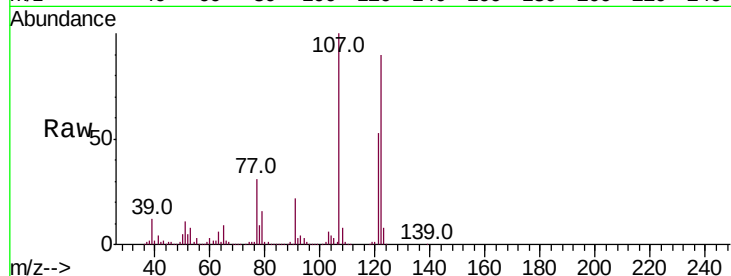
Tot Ion:122 Resp: 828475

Ion Ratio Lower Upper

122 100

107 110.9 89.3 133.9

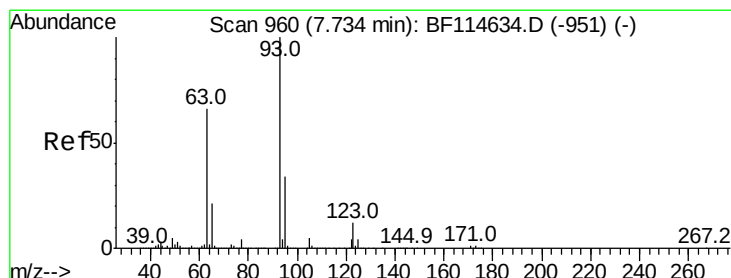
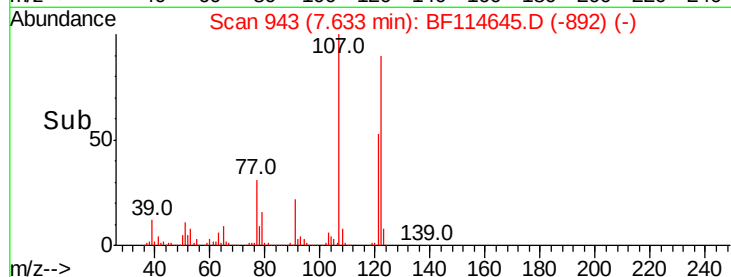
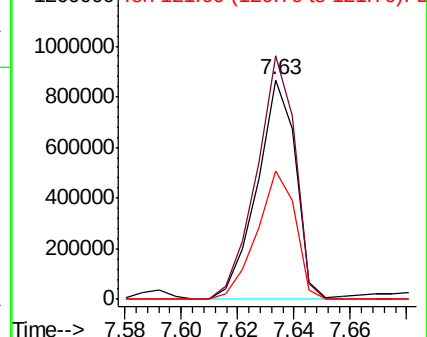
121 58.5 46.8 70.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.468 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

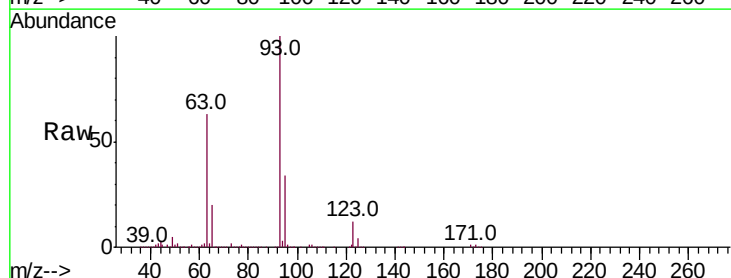
Tgt Ion: 93 Resp: 1096553

Ion Ratio Lower Upper

93 100

95 33.8 27.0 40.4

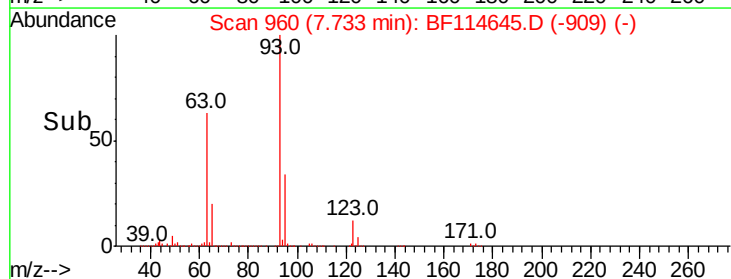
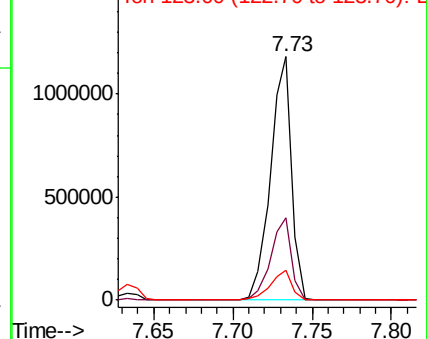
123 12.3 10.2 15.2

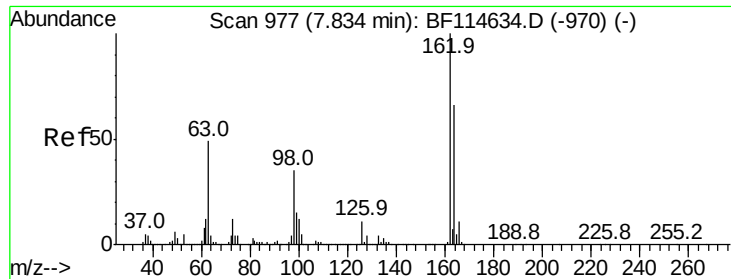


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

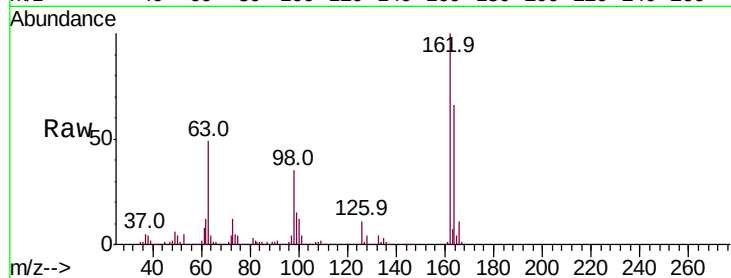




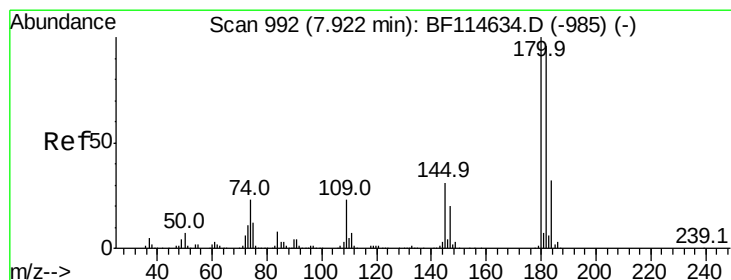
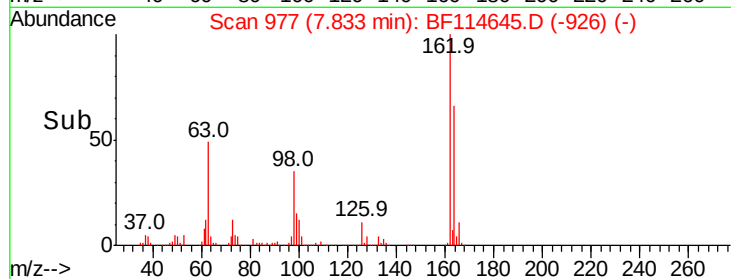
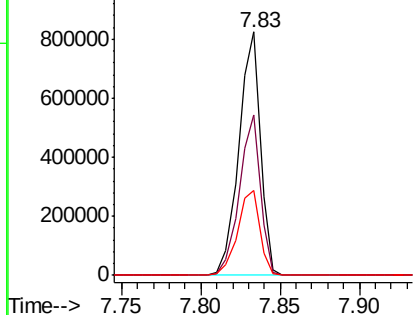
#29
 2,4-Dichlorophenol
 Concen: 47.048 ng
 RT: 7.83 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MS

Tot Ion	Ratio	Lower	Upper
162	100		
164	66.1	45.8	85.8
98	34.8	14.9	54.9

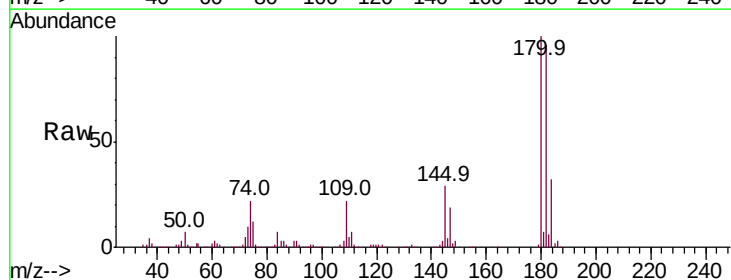


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

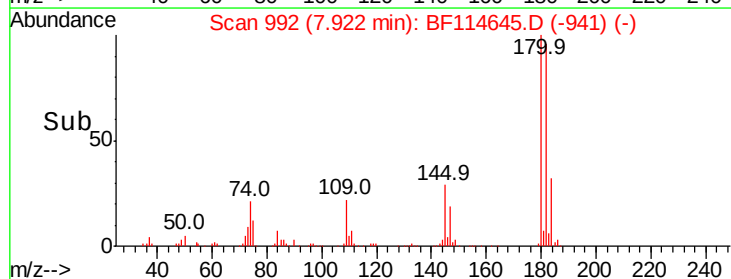
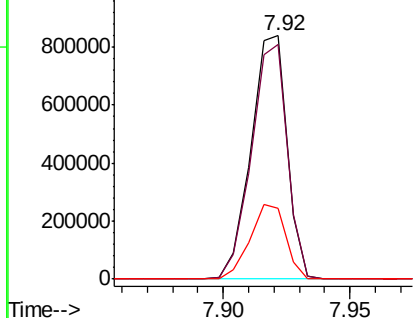


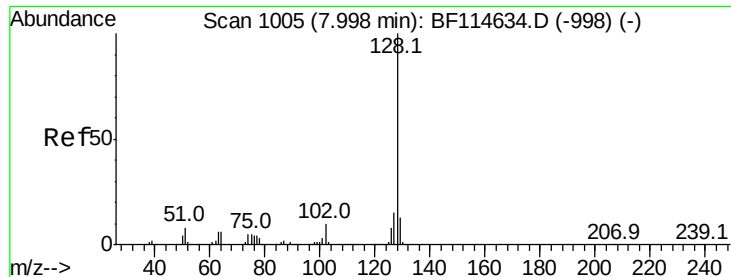
#30
 1,2,4-Trichlorobenzene
 Concen: 44.497 ng
 RT: 7.92 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.9	115.3
145	29.2	24.5	36.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

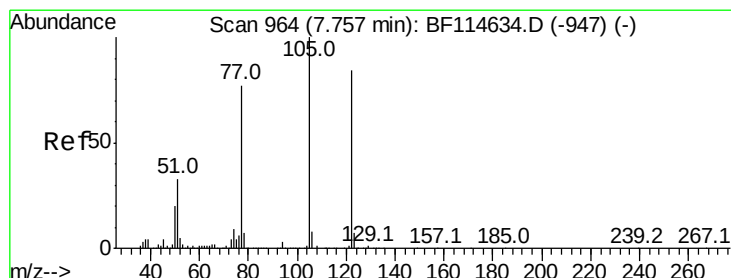
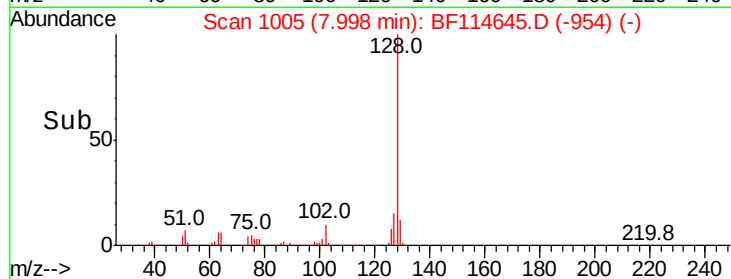
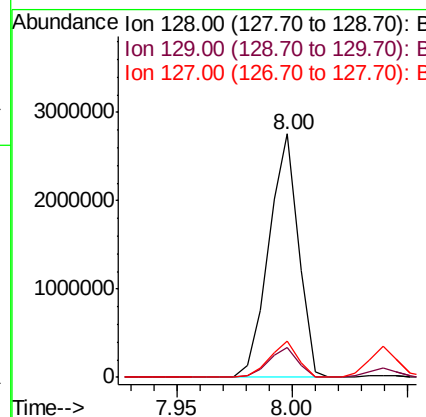
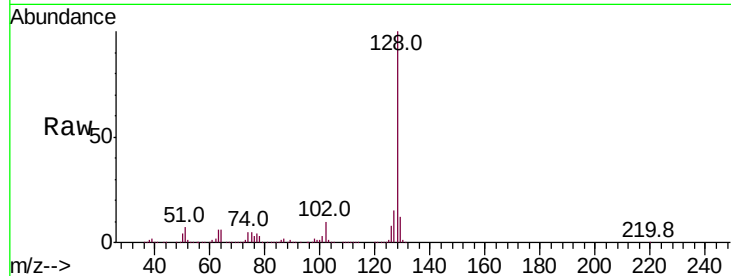




#31
Naphthalene
Concen: 45.192 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

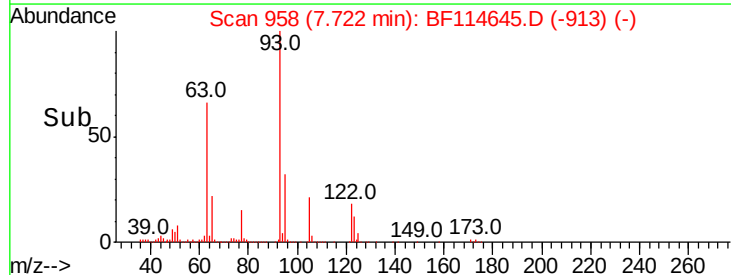
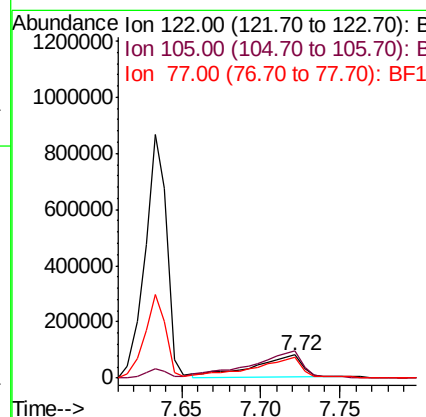
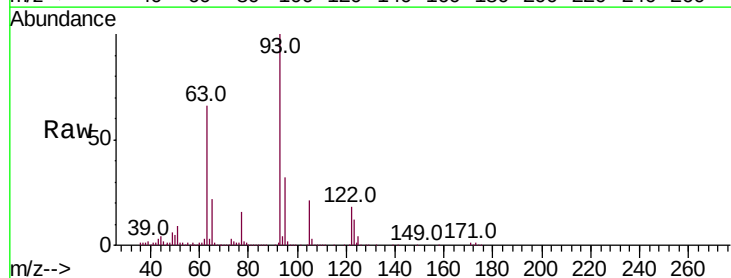
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

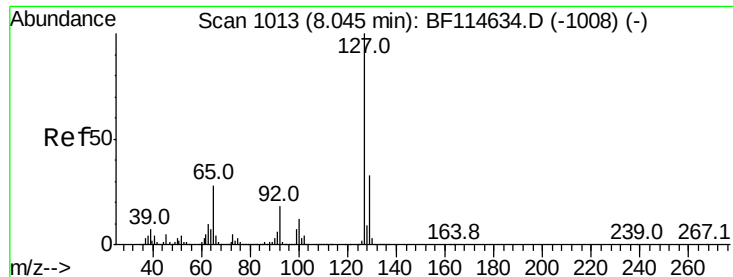
Tot Ion:128 Resp: 2451710
Ion Ratio Lower Upper
128 100
129 12.4 10.2 15.2
127 14.6 11.9 17.9



#32
Benzoic acid
Concen: 15.983 ng
RT: 7.72 min Scan# 958
Delta R.T. -0.04 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:122 Resp: 168535
Ion Ratio Lower Upper
122 100
105 120.6 98.3 138.3
77 88.3 70.7 110.7

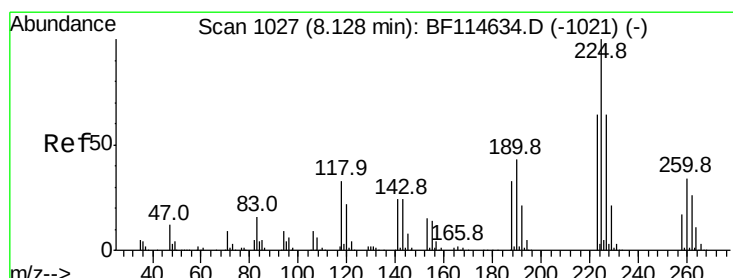
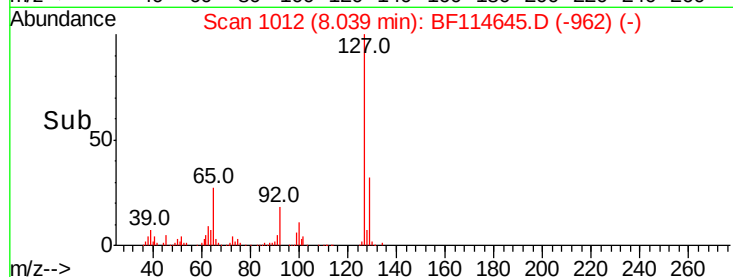
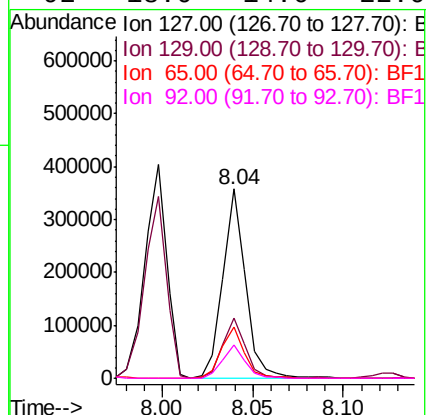
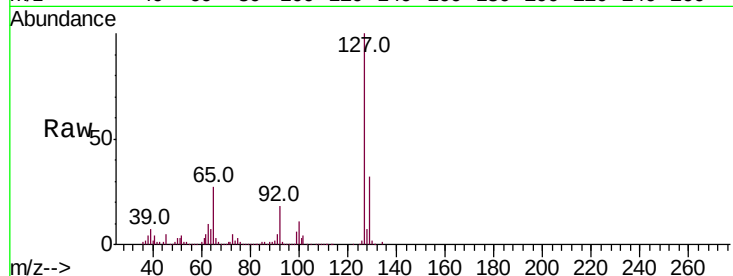




#33
4-Chloroaniline
Concen: 12.007 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

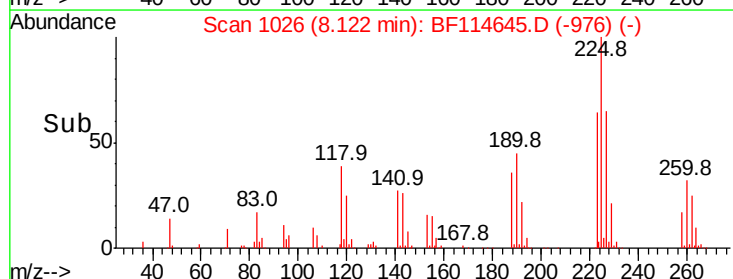
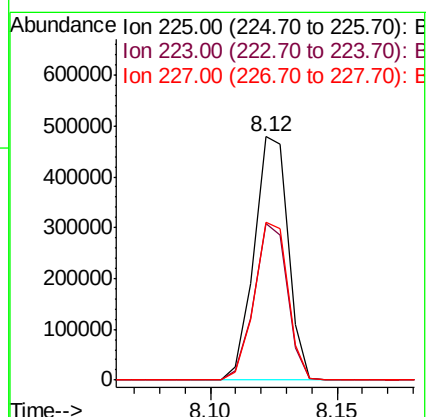
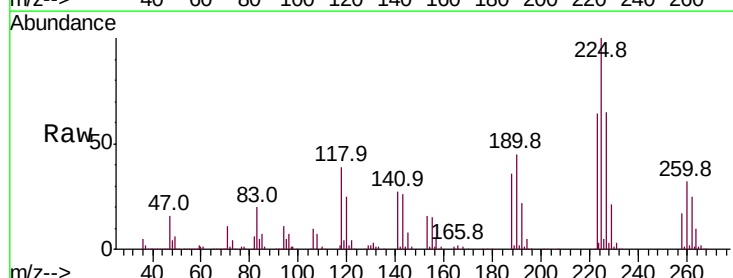
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

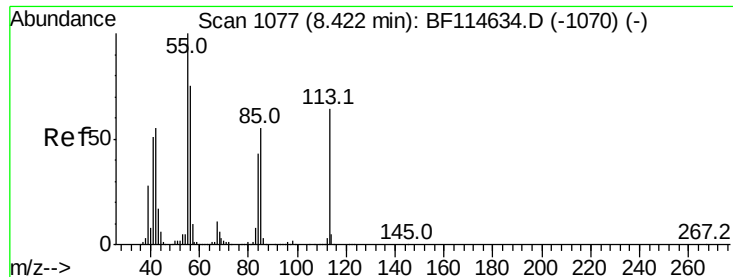
Tot Ion:	127	Resp:	310335
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.7	40.1
65	27.4	22.5	33.7
92	18.0	14.6	22.0



#34
Hexachlorobutadiene
Concen: 42.993 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:	225	Resp:	449627
Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.9	76.3
227	65.0	51.3	76.9

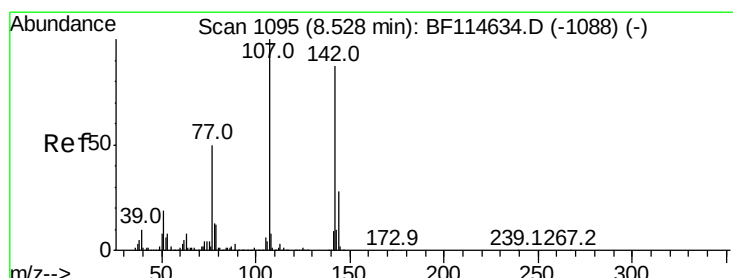
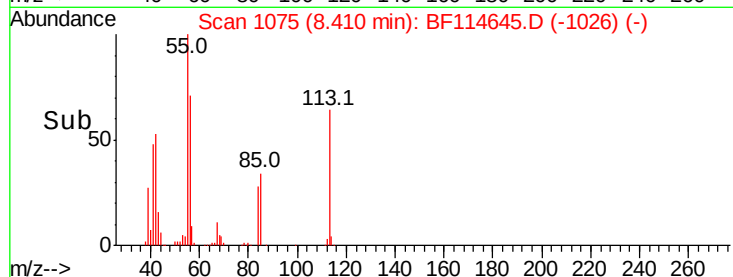
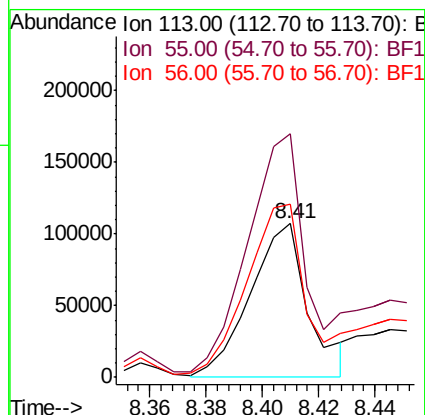
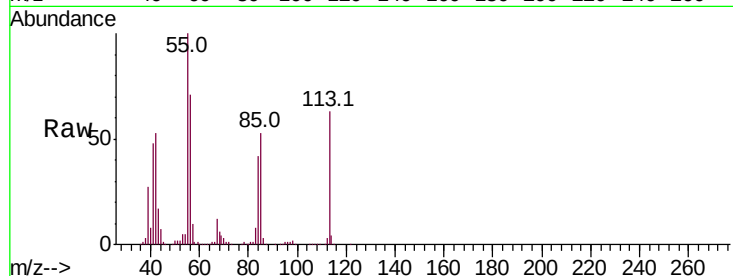




#35
 Caprolactam
 Concen: 27.455 ng
 RT: 8.41 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

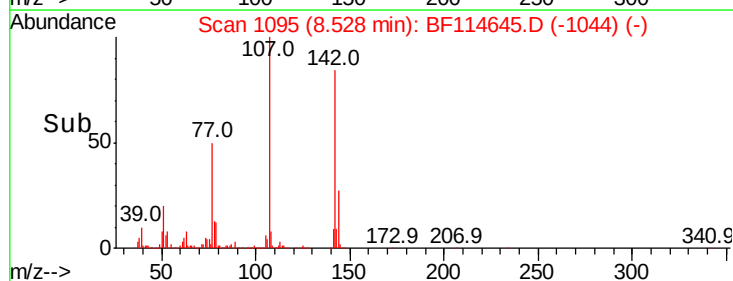
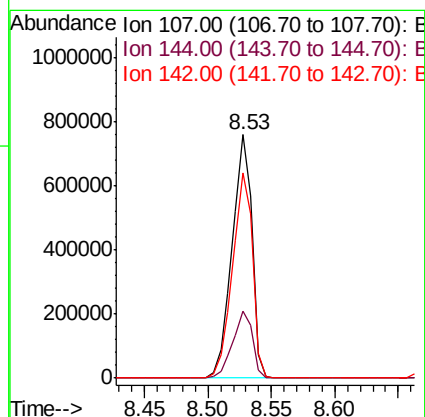
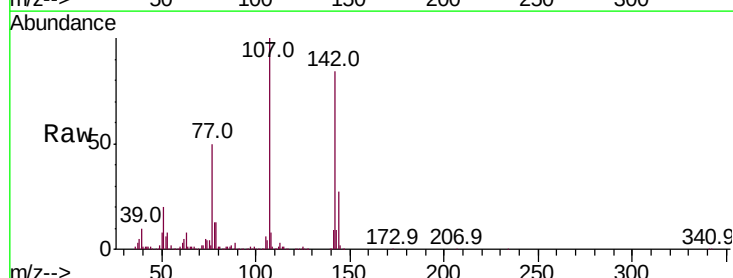
Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MS

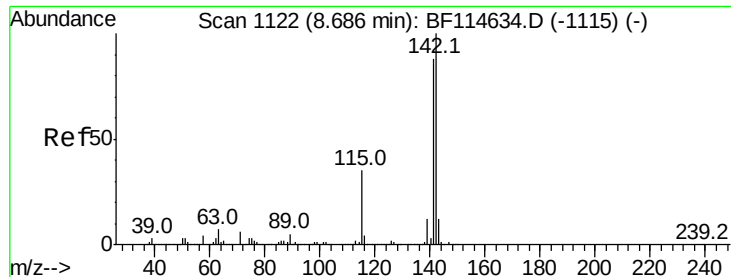
Tot Ion:113 Resp: 153100
 Ion Ratio Lower Upper
 113 100
 55 158.2 136.4 176.4
 56 112.3 97.0 137.0



#36
 4-Chloro-3-methylphenol
 Concen: 49.322 ng
 RT: 8.53 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion:107 Resp: 817330
 Ion Ratio Lower Upper
 107 100
 144 27.3 22.5 33.7
 142 84.1 69.8 104.6

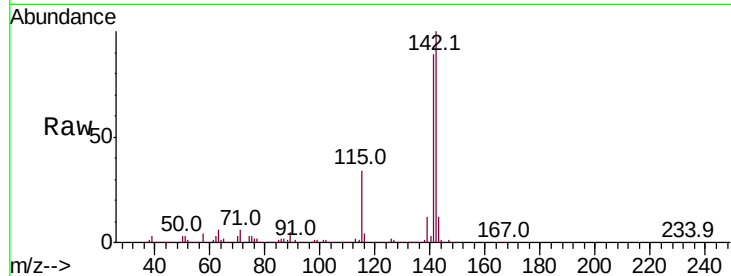




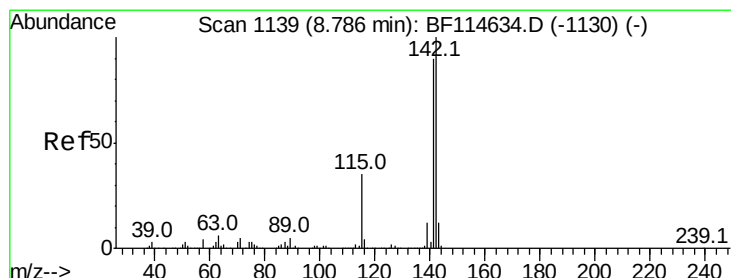
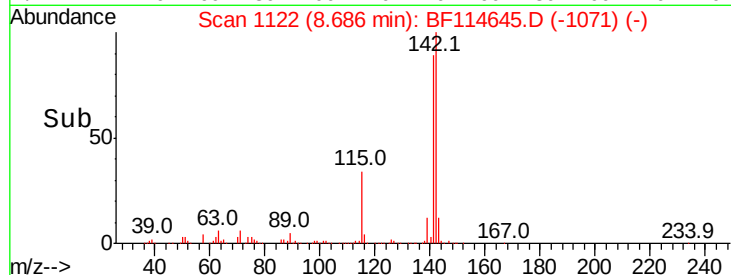
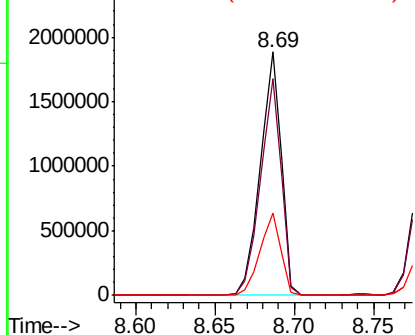
#37
2-Methylnaphthalene
Concen: 48.574 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

Tot Ion:142 Resp: 1750883
Ion Ratio Lower Upper
142 100
141 88.9 70.3 105.5
115 34.1 28.0 42.0

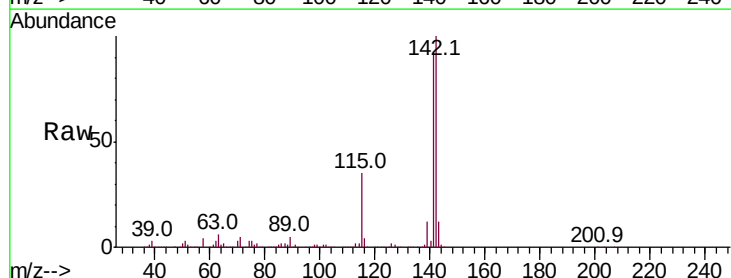


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

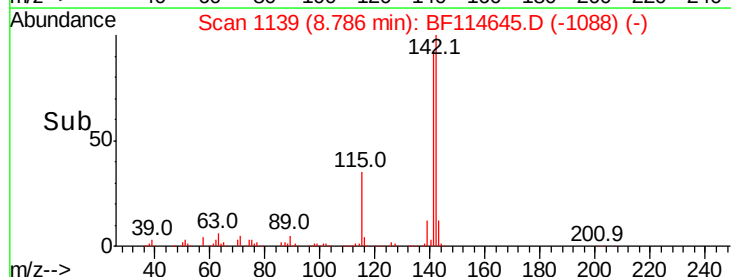
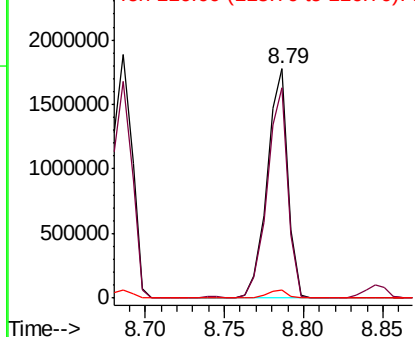


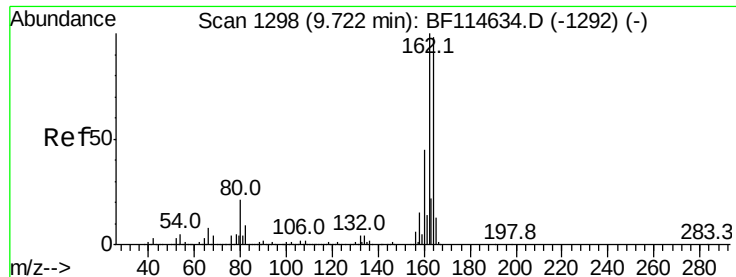
#38
1-Methylnaphthalene
Concen: 47.873 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:142 Resp: 1634938
Ion Ratio Lower Upper
142 100
141 91.8 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: 9.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

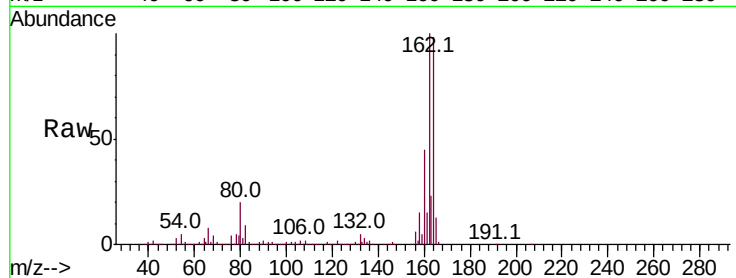
Tot Ion:164 Resp: 595137

Ion Ratio Lower Upper

164 100

162 101.9 81.4 122.2

160 45.9 36.6 54.8

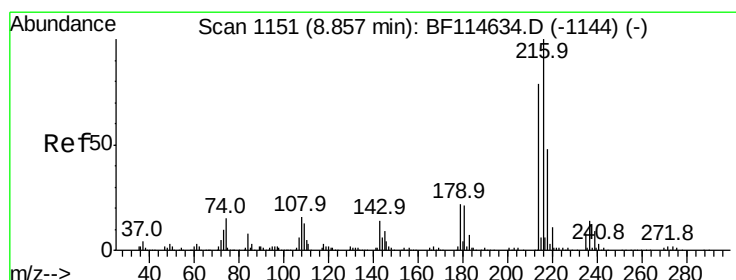
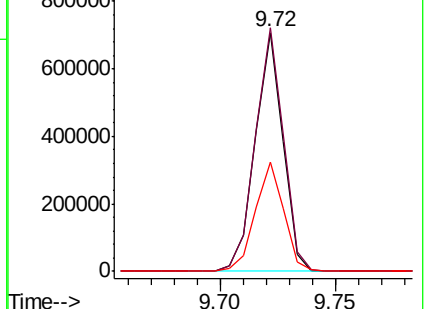
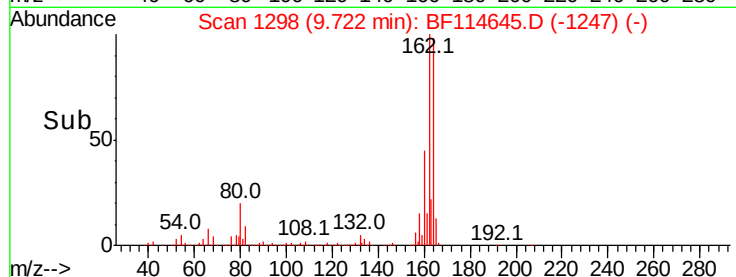


Abundance

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: 45.251 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion:216 Resp: 717176

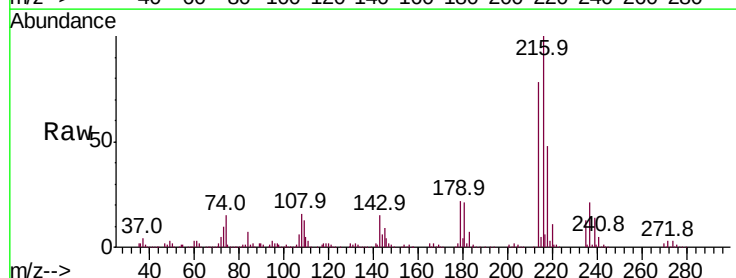
Ion Ratio Lower Upper

216 100

214 78.6 63.2 94.8

179 22.4 17.9 26.9

108 21.2 15.8 23.8



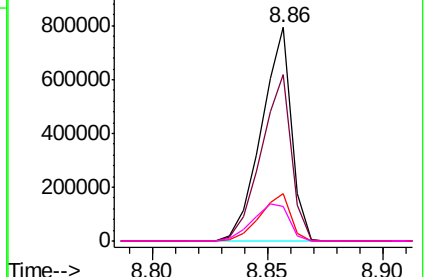
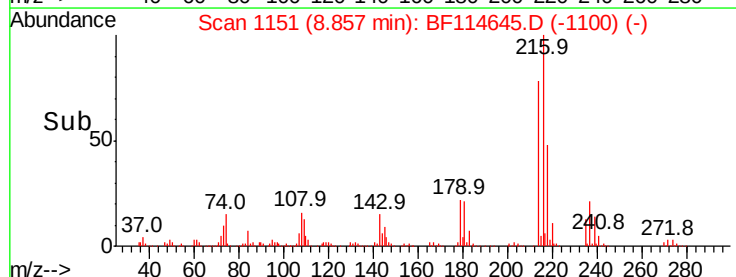
Abundance

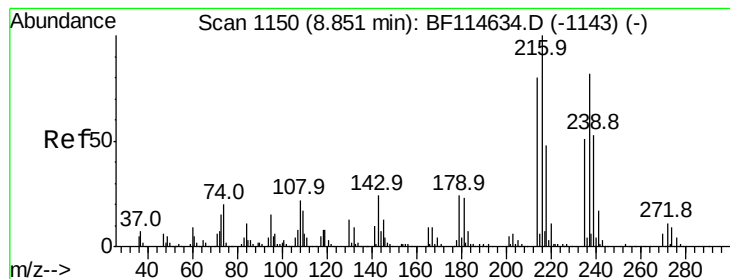
Ion 216.00 (215.70 to 216.70): E

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: 73.987 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

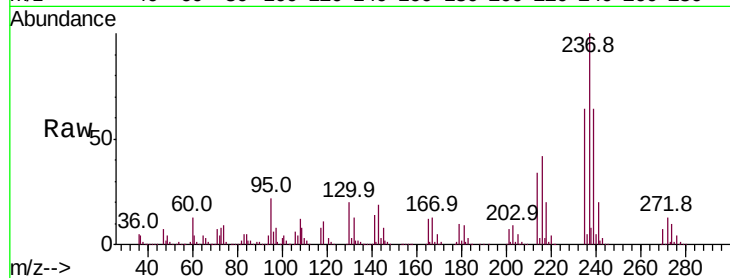
Tot Ion:237 Resp: 774885

Ion Ratio Lower Upper

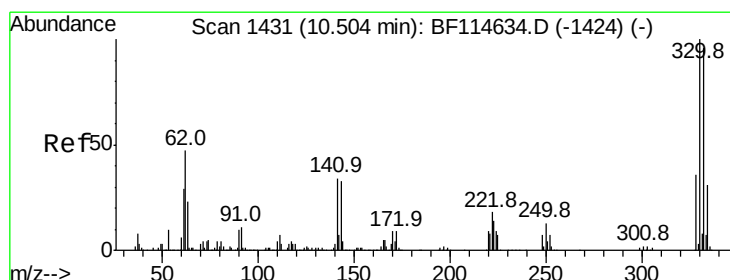
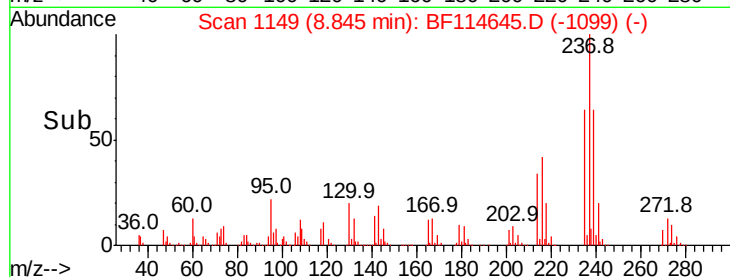
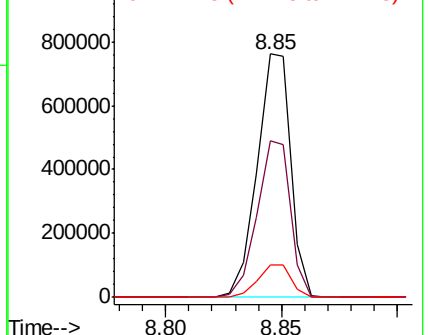
237 100

235 64.3 42.8 82.8

272 13.4 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: 140.923 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

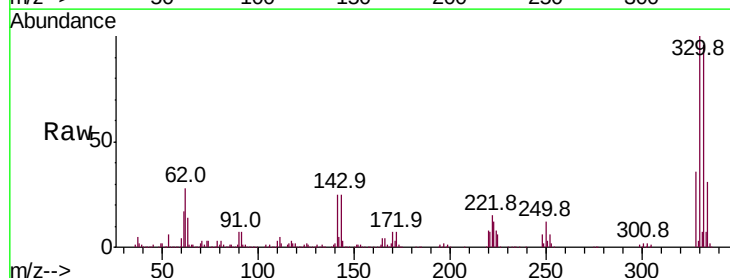
Tgt Ion:330 Resp: 799136

Ion Ratio Lower Upper

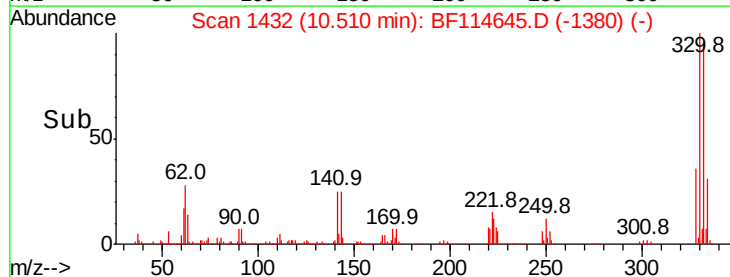
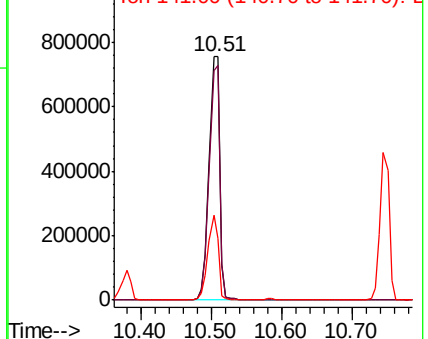
330 100

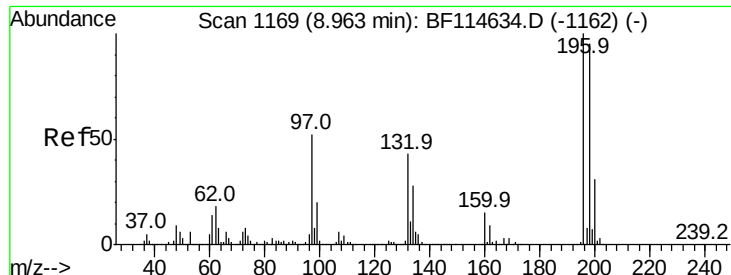
332 95.0 75.8 113.8

141 33.8 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

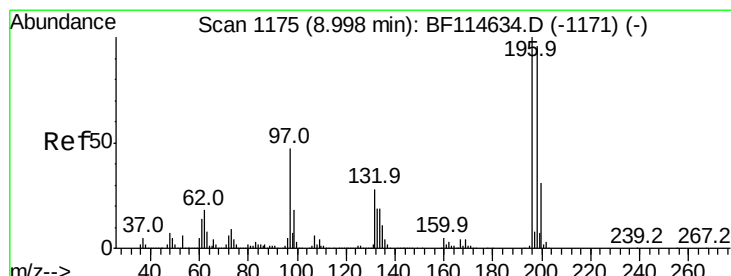
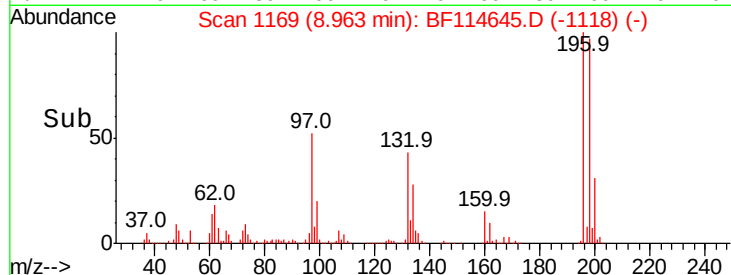
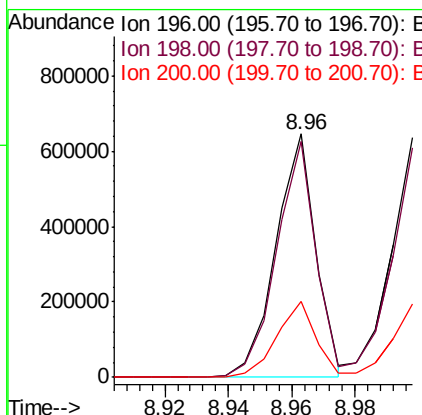
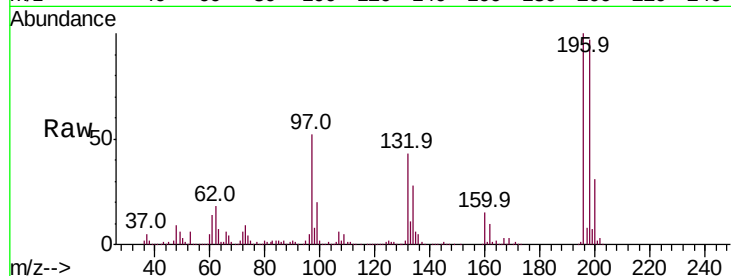




#43
 2,4,6-Trichlorophenol
 Concen: 45.509 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

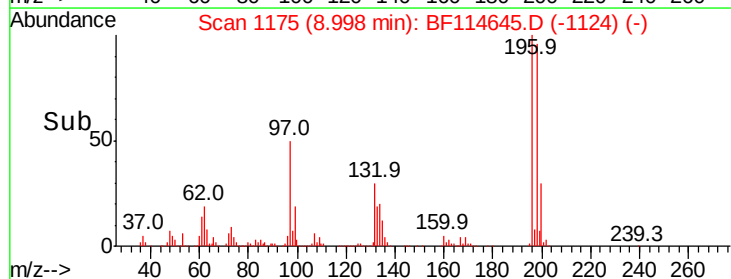
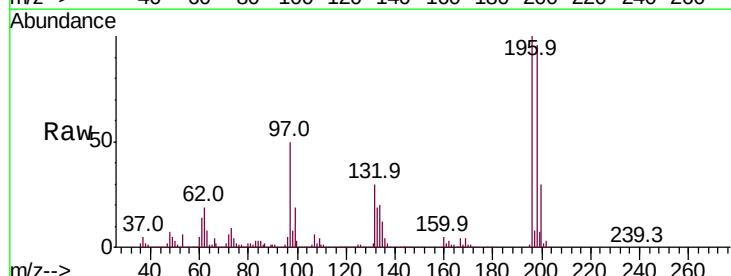
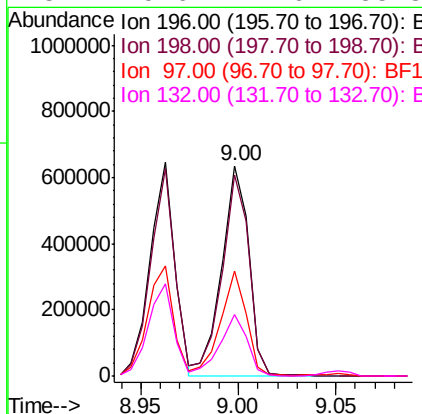
Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MS

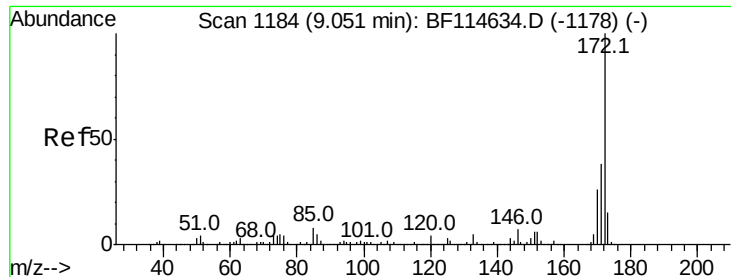
Tot Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.1	114.1
200	31.0	24.7	37.1



#44
 2,4,5-Trichlorophenol
 Concen: 49.149 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.8	115.2
97	49.7	37.8	56.8
132	29.6	22.6	33.8

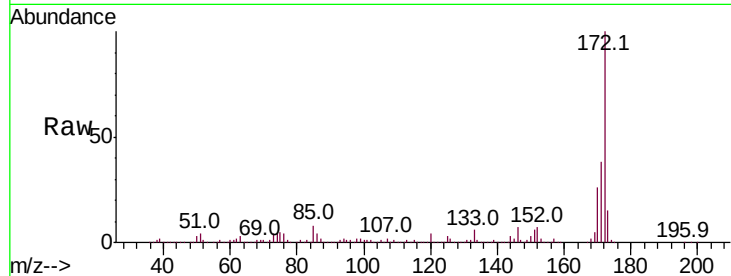




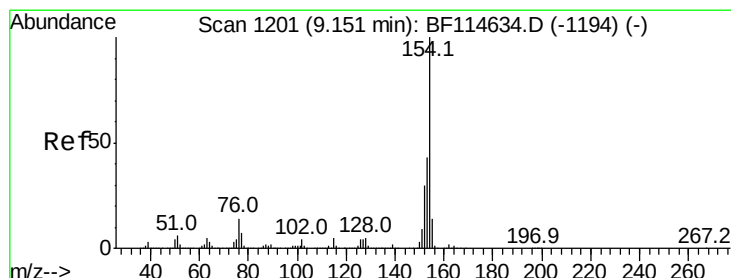
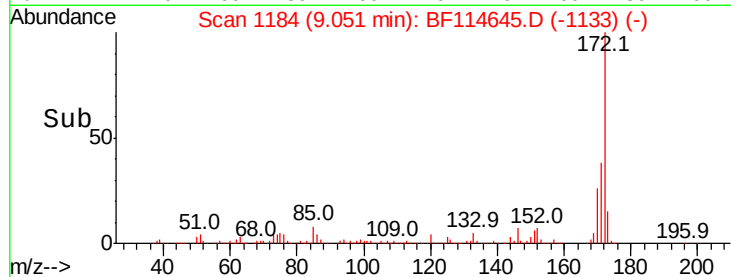
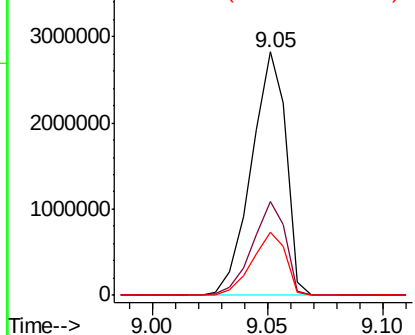
#45
 2-Fluorobiphenyl
 Concen: 94.975 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MS

Tot Ion:172 Resp: 2949479
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.6 45.8
 170 26.2 20.7 31.1

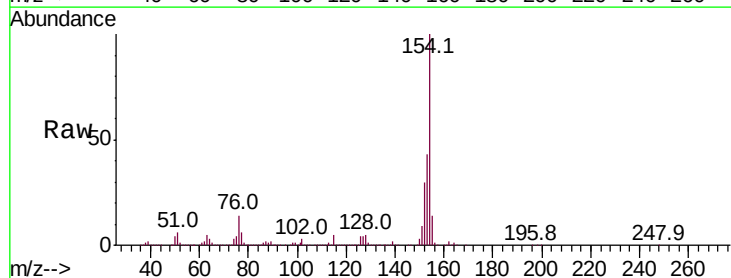


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

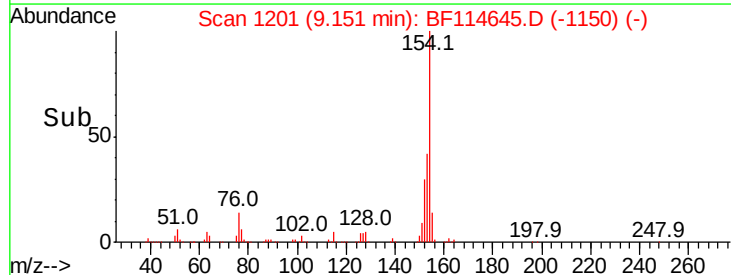
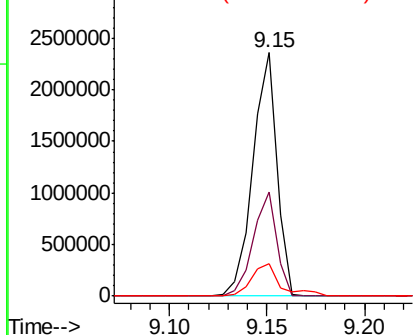


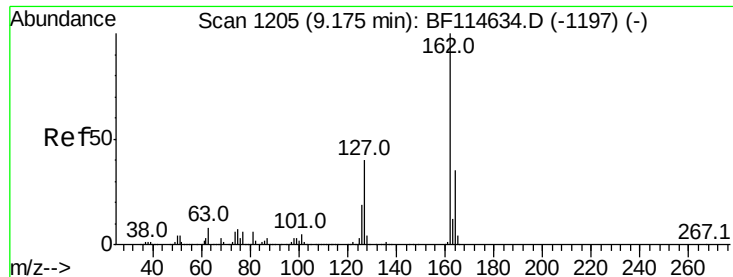
#46
 1,1'-Biphenyl
 Concen: 45.563 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion:154 Resp: 2012866
 Ion Ratio Lower Upper
 154 100
 153 42.5 23.0 63.0
 76 13.5 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: 45.527 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

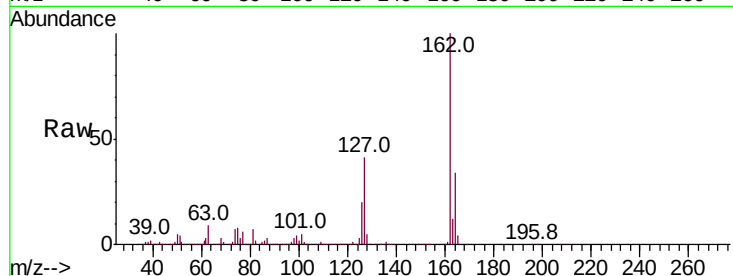
Tot Ion:162 Resp: 1649830

Ion Ratio Lower Upper

162 100

127 41.4 32.2 48.2

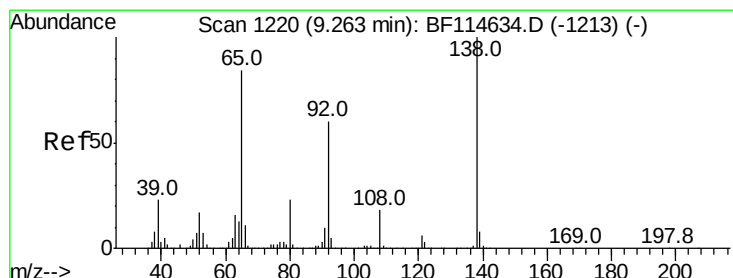
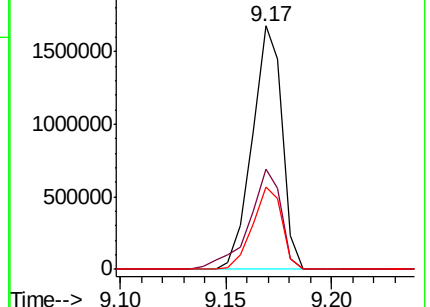
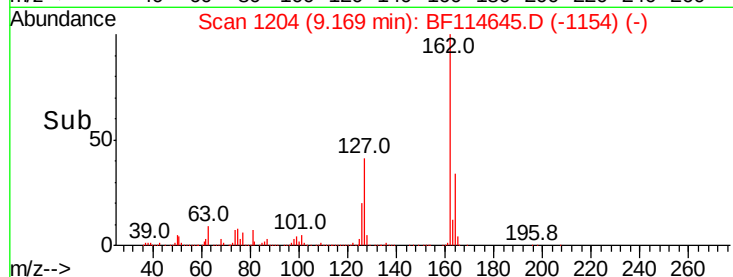
164 33.6 27.8 41.6



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 44.798 ng

RT: 9.26 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

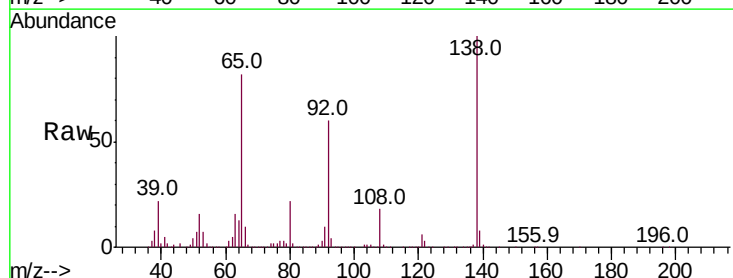
Tgt Ion: 65 Resp: 500974

Ion Ratio Lower Upper

65 100

92 73.1 57.1 85.7

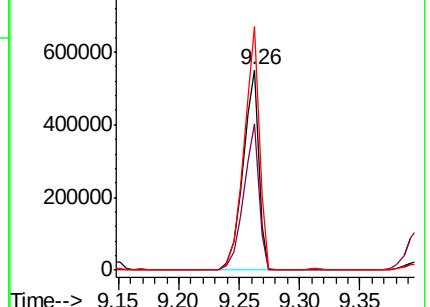
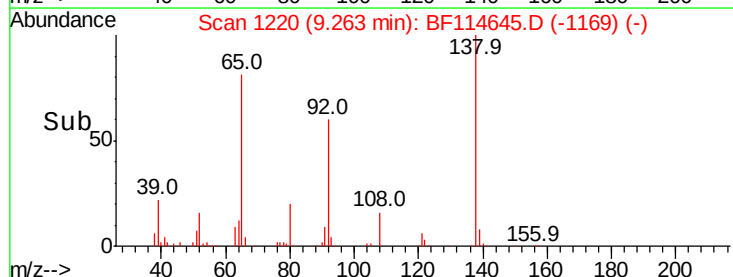
138 121.6 95.8 143.6

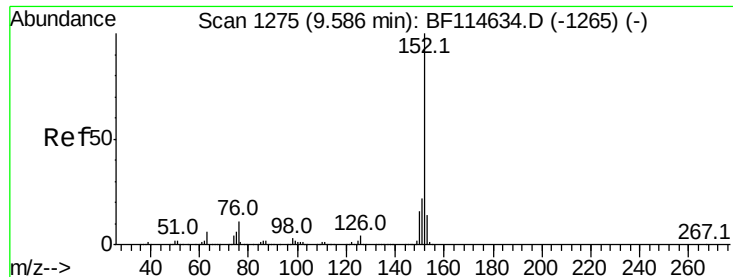


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.277 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

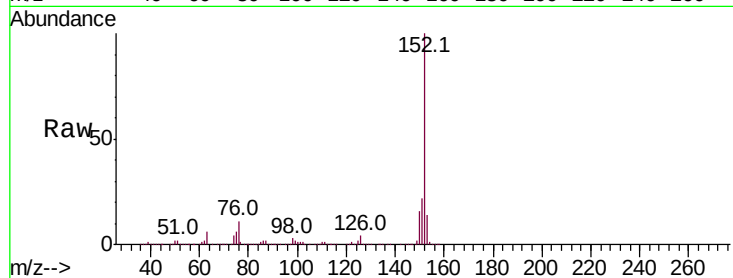
BNA_F

ClientSampleId :

B-4W(3-4)MS

Tot Ion:152 Resp: 2534785

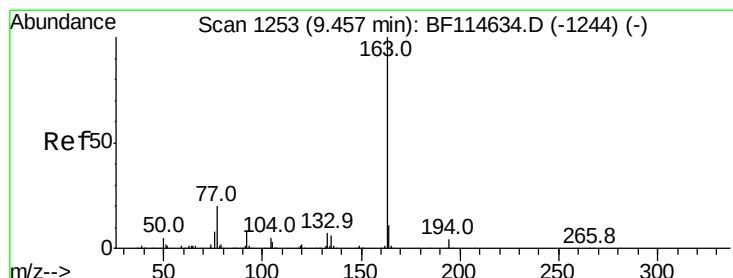
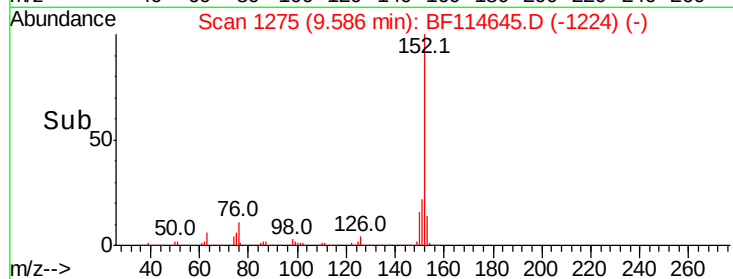
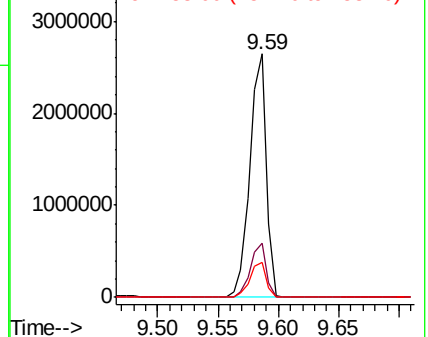
Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.5	26.3
153	14.4	11.6	17.4



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: 58.832 ng

RT: 9.46 min Scan# 1253

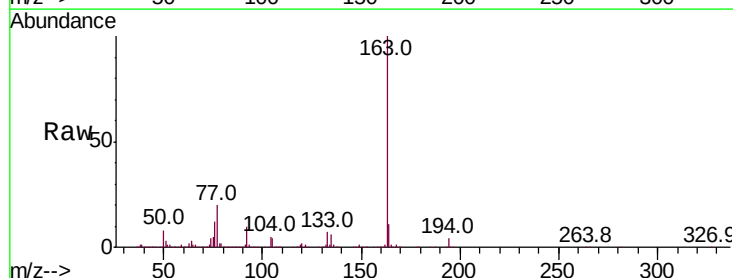
Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion:163 Resp: 2439747

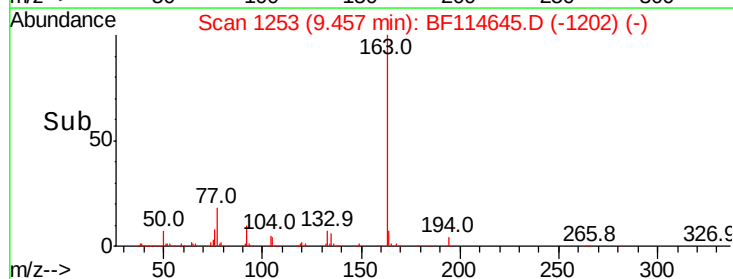
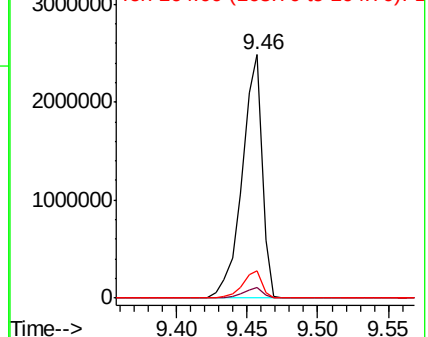
Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	11.0	8.6	13.0

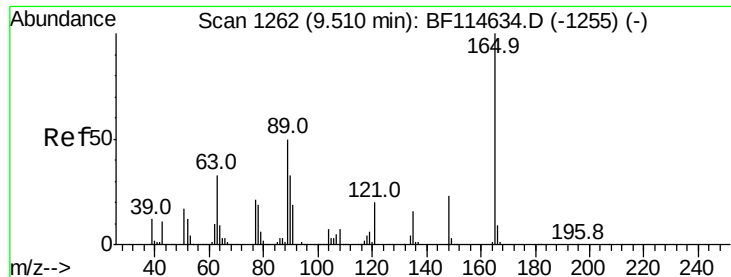


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 48.458 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

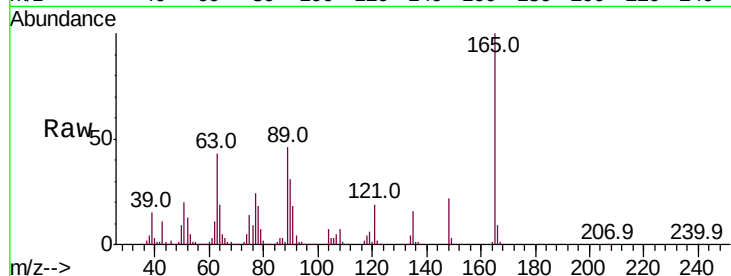
Tot Ion:165 Resp: 466943

Ion Ratio Lower Upper

165 100

63 43.0 36.6 54.8

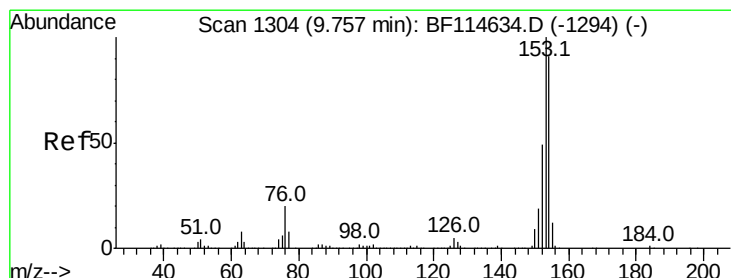
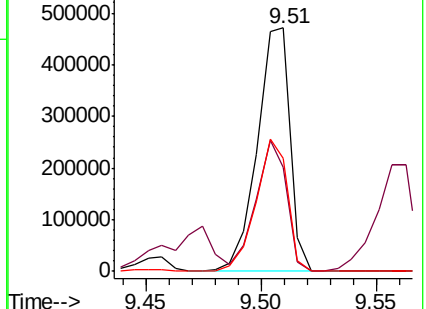
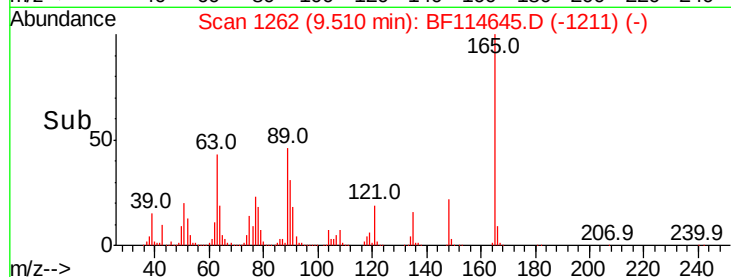
89 46.3 40.2 60.4



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: 48.172 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

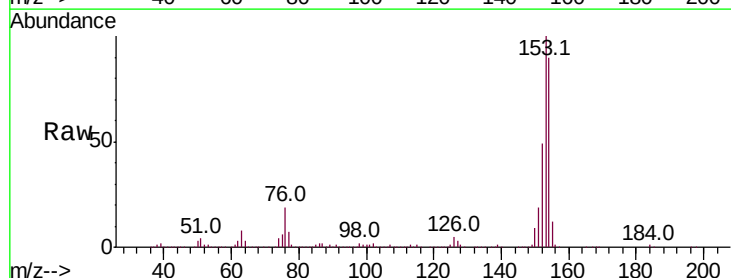
Tgt Ion:154 Resp: 1653935

Ion Ratio Lower Upper

154 100

153 110.6 88.4 132.6

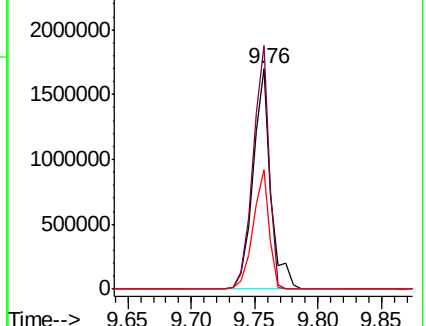
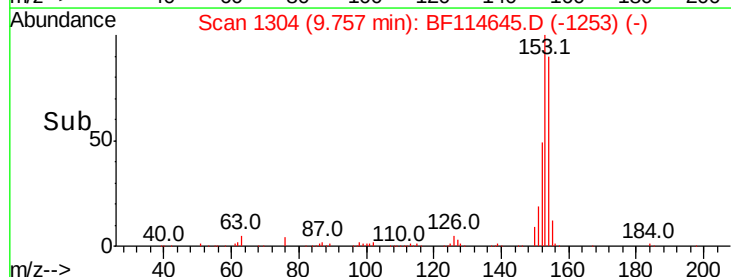
152 54.3 43.4 65.0

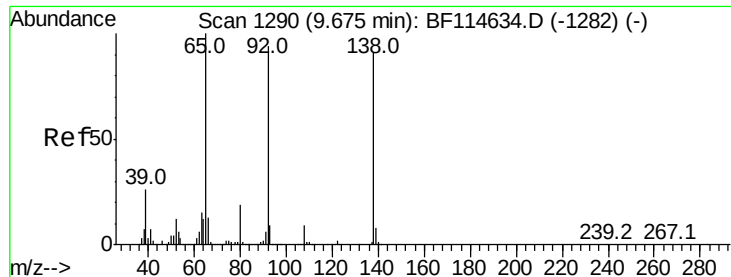


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 22.162 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

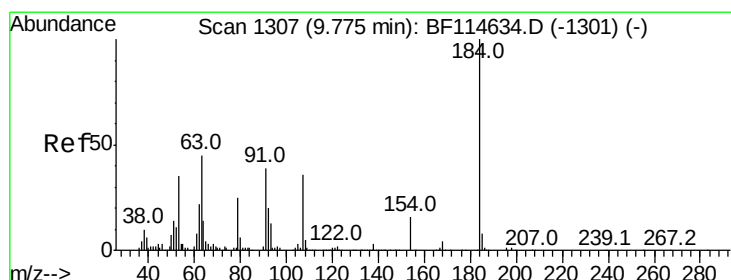
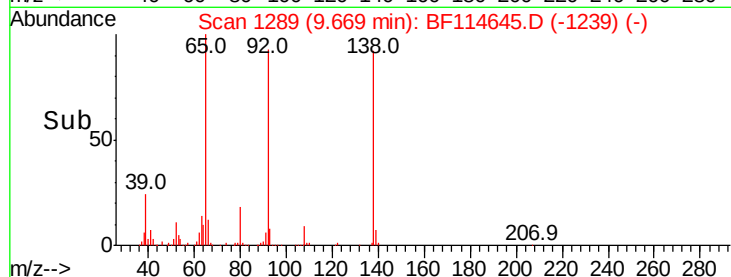
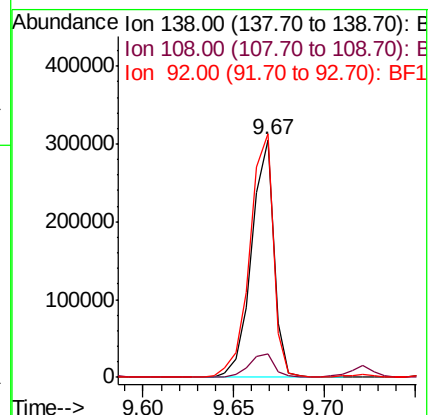
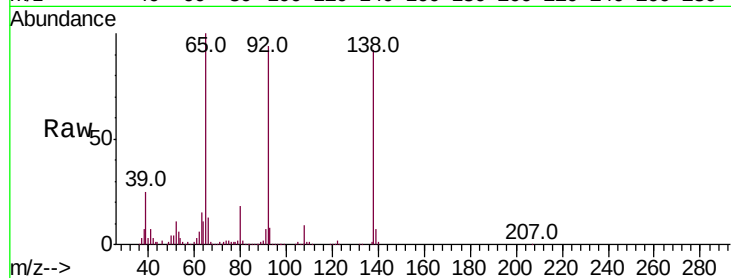
Tot Ion:138 Resp: 261368

Ion Ratio Lower Upper

138 100

108 10.0 8.3 12.5

92 102.6 83.1 124.7



#54

2,4-Dinitrophenol

Concen: 73.631 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

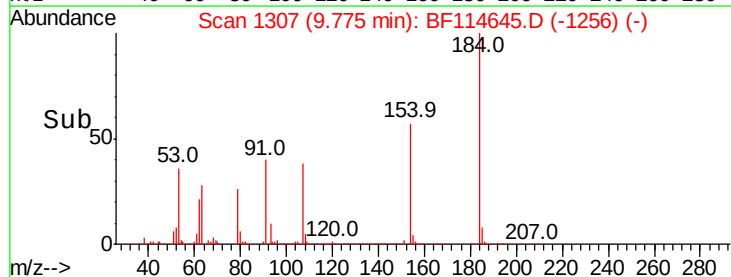
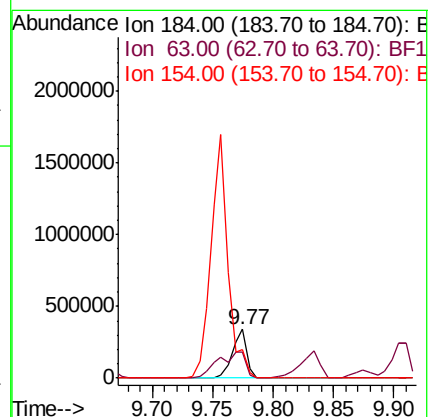
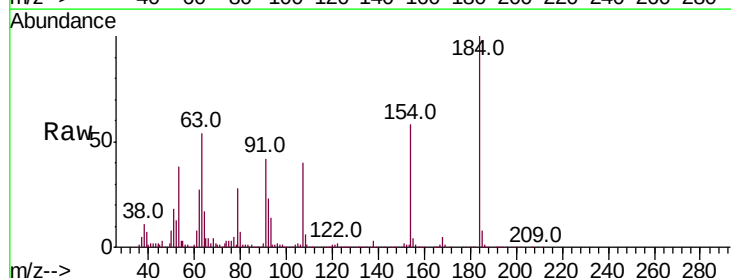
Tgt Ion:184 Resp: 279863

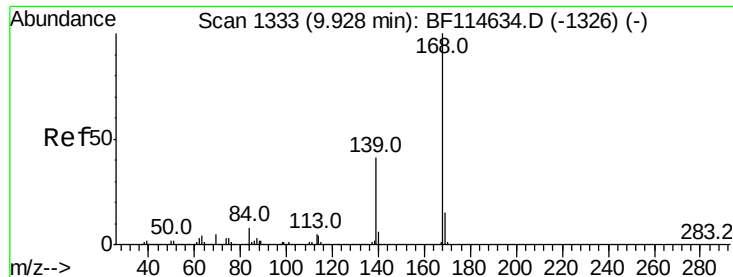
Ion Ratio Lower Upper

184 100

63 53.5 38.8 58.2

154 57.7 43.7 65.5

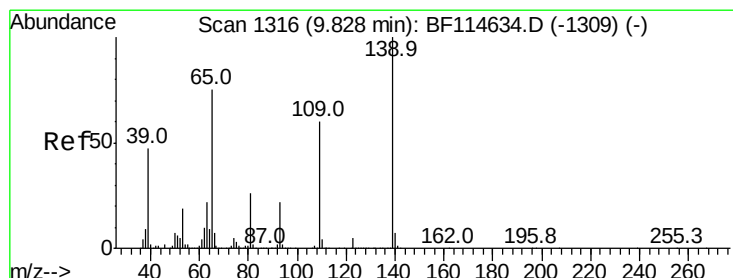
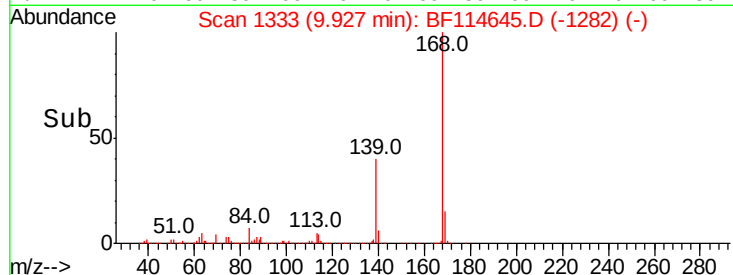
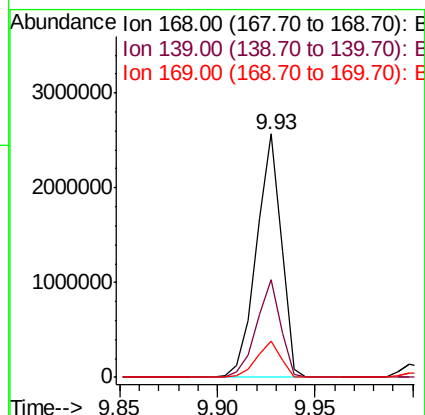
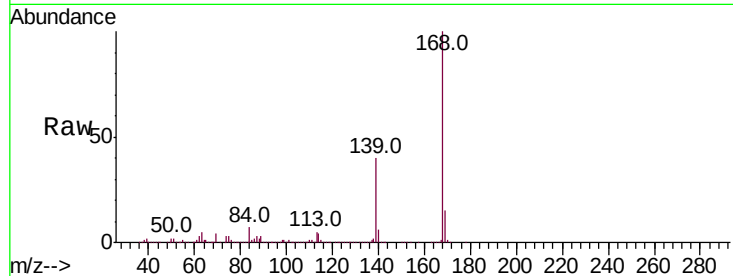




#55
Dibenzofuran
Concen: 46.320 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

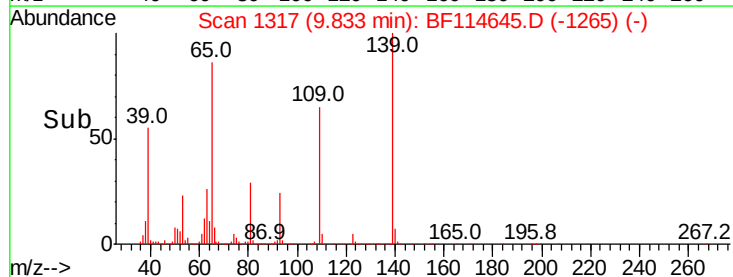
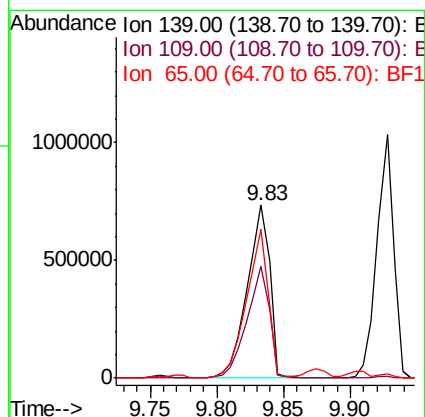
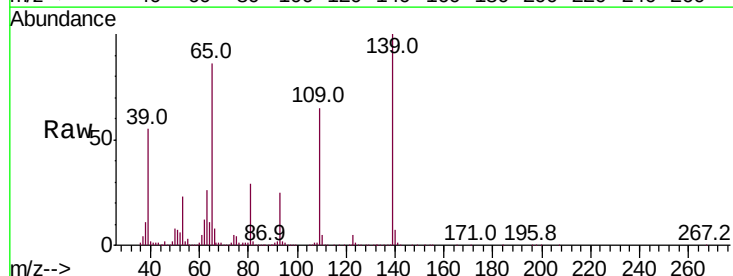
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

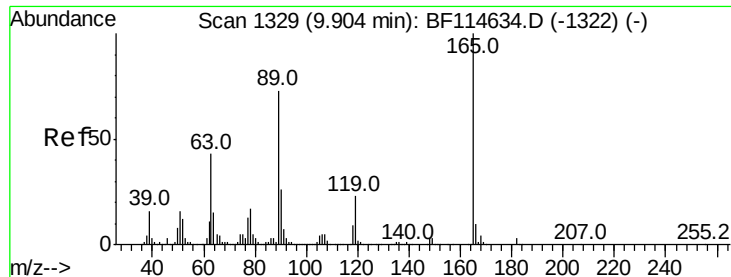
Tot Ion:168 Resp: 2263795
Ion Ratio Lower Upper
168 100
139 40.2 32.6 48.8
169 14.7 11.8 17.8



#56
4-Nitrophenol
Concen: 97.345 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:139 Resp: 850770
Ion Ratio Lower Upper
139 100
109 64.7 40.4 80.4
65 85.8 54.7 94.7

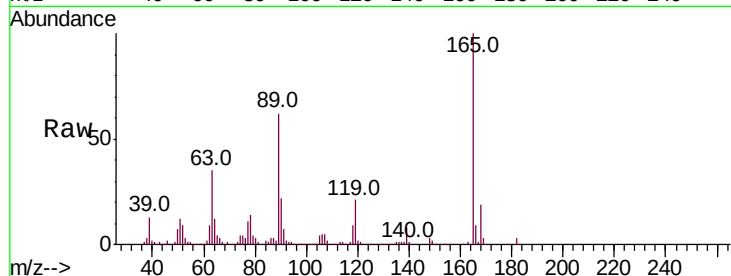




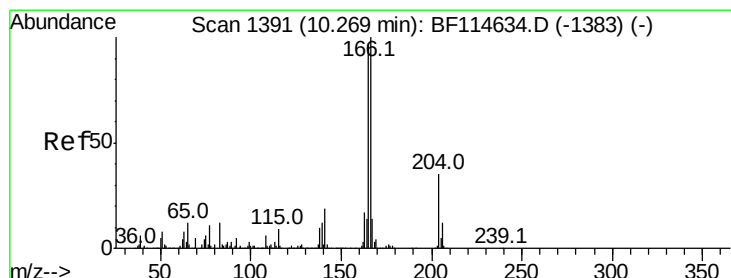
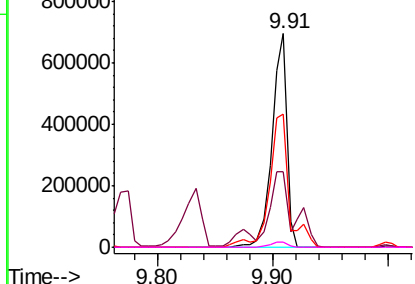
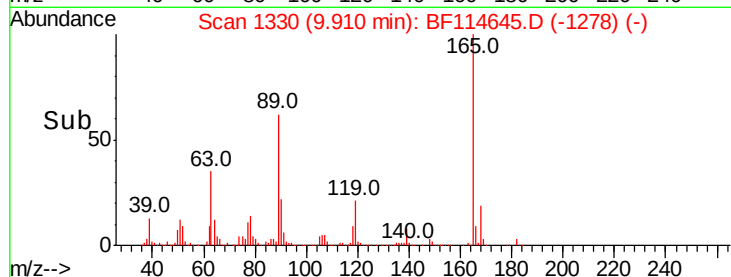
#57
2,4-Dinitrotoluene
Concen: 50.175 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

Tot Ion:165 Resp: 620516
Ion Ratio Lower Upper
165 100
63 35.1 34.8 52.2
89 62.5 58.5 87.7
182 2.6 2.2 3.2

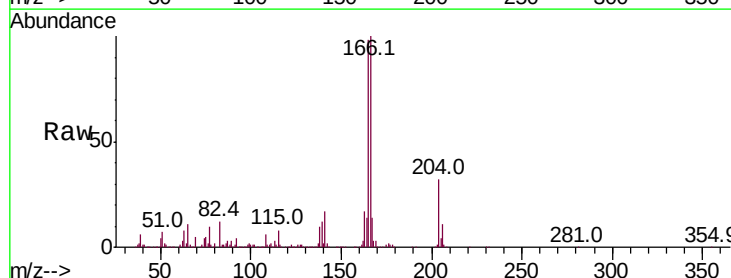


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

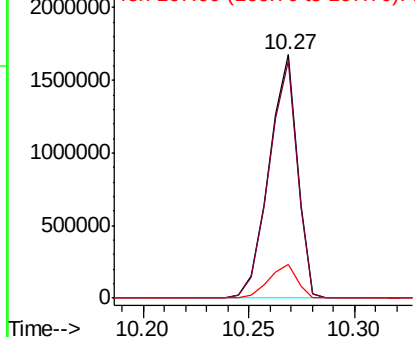
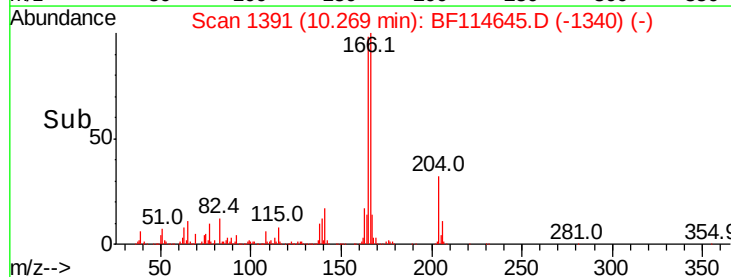


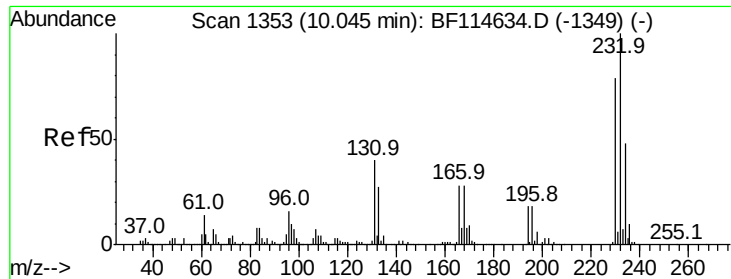
#58
Fluorene
Concen: 49.546 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:166 Resp: 1559622
Ion Ratio Lower Upper
166 100
165 97.6 77.6 116.4
167 14.1 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

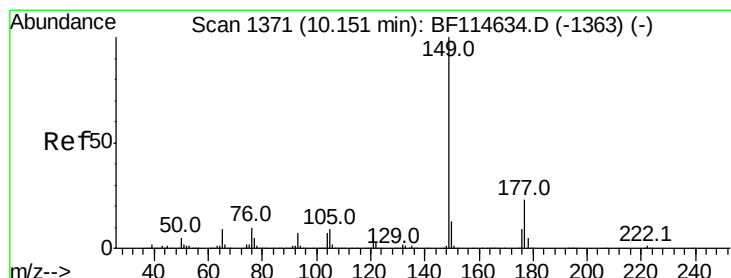
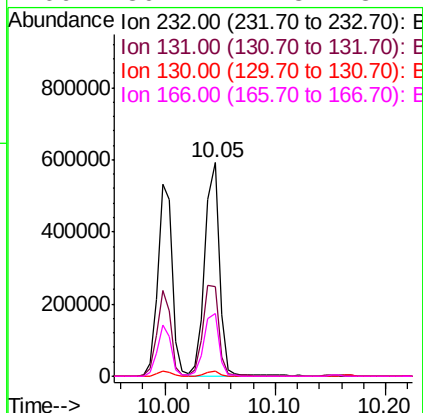
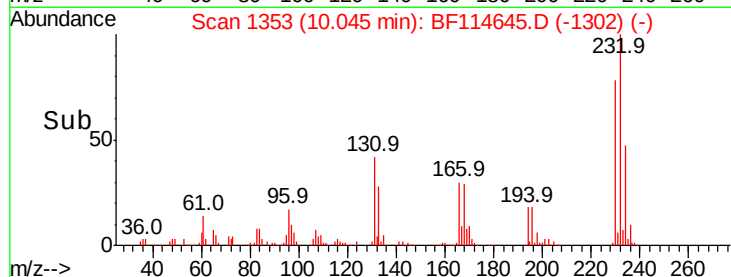
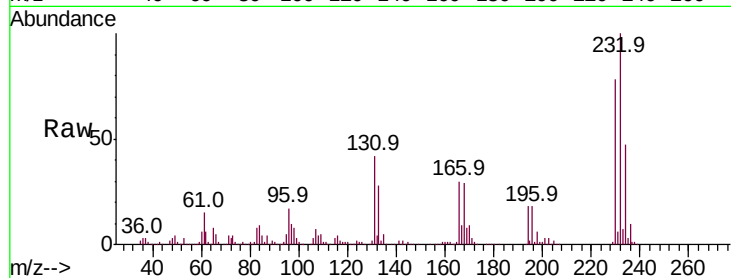




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.288 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

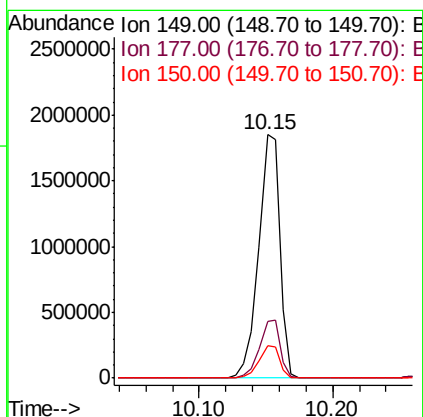
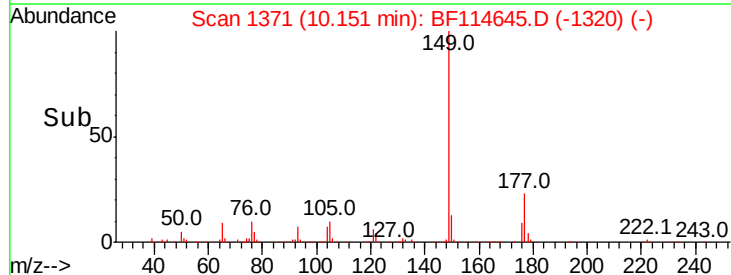
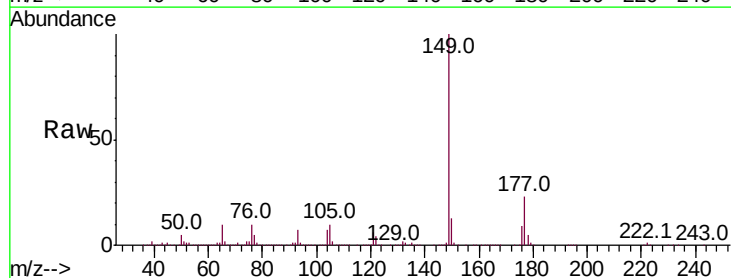
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

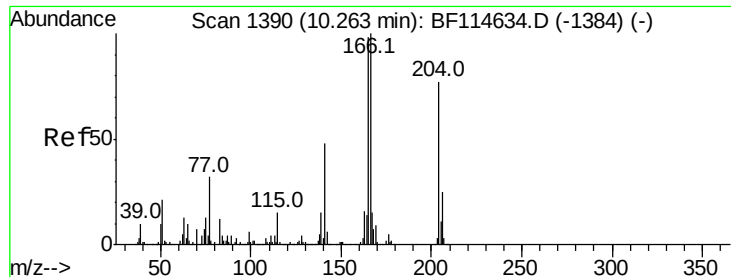
Tot Ion	Ratio	Lower	Upper
232	100		
131	46.6	37.2	55.8
130	2.4	1.8	2.8
166	30.4	24.8	37.2



#60
Diethylphthalate
Concen: 47.532 ng
RT: 10.15 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.6	28.0
150	13.5	10.6	15.8

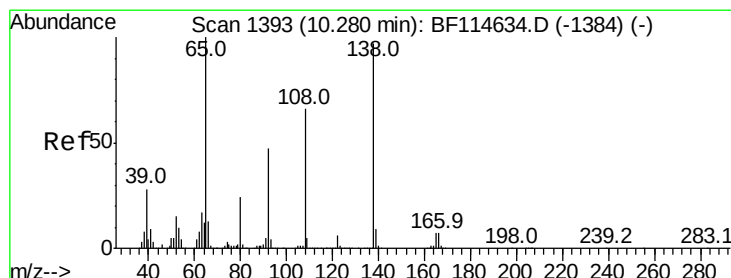
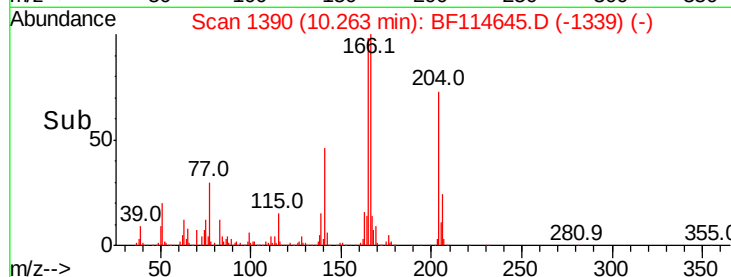
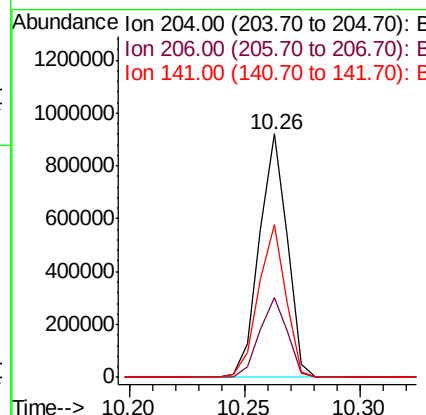
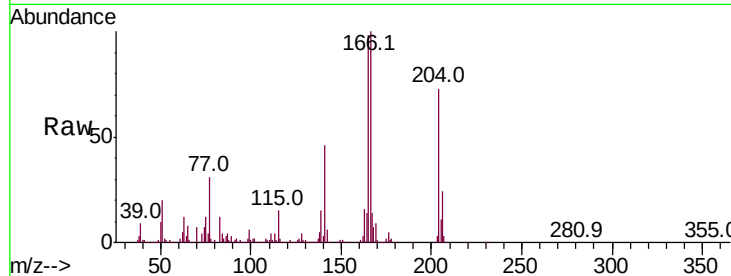




#61
 4-Chlorophenyl-phenylether
 Concen: 48.887 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

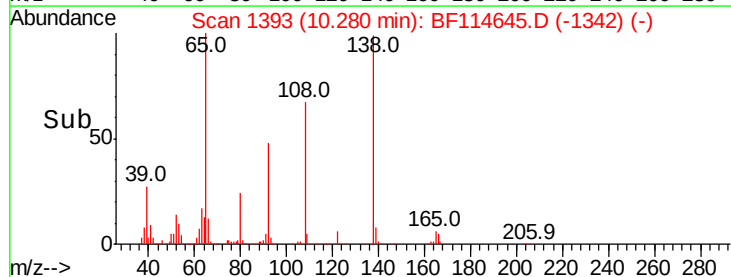
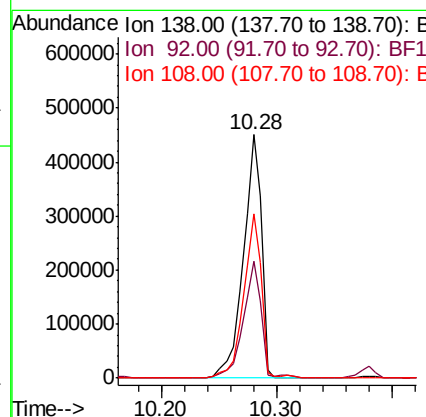
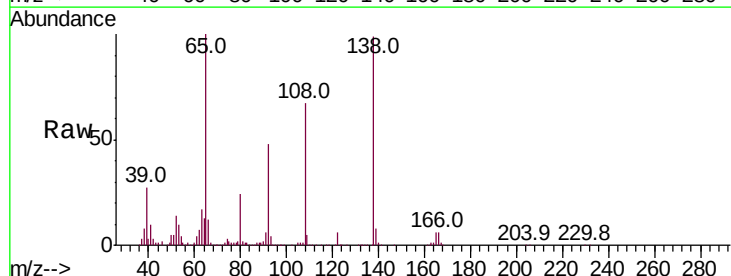
Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MS

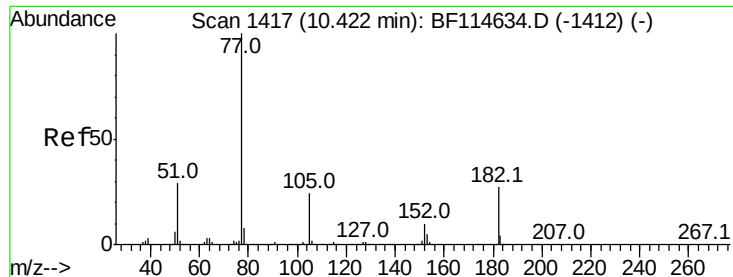
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	62.9	50.0	75.0



#62
 4-Nitroaniline
 Concen: 42.708 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.0	28.0	68.0
108	67.4	48.4	88.4

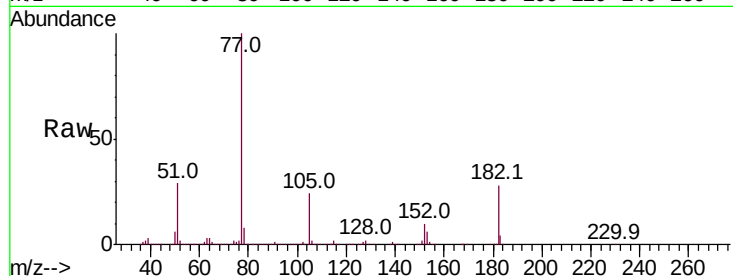




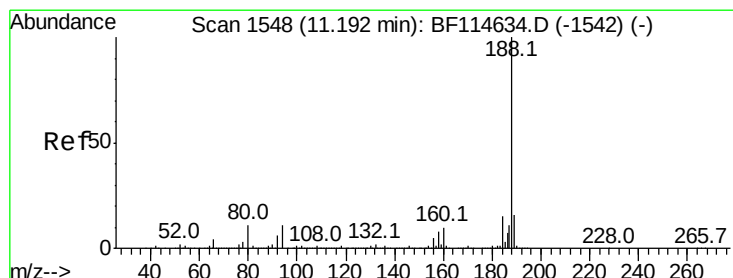
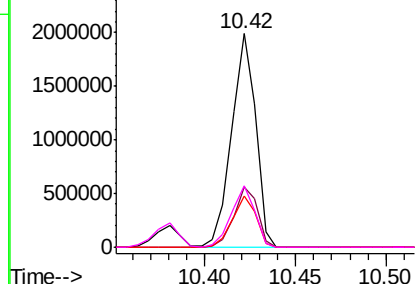
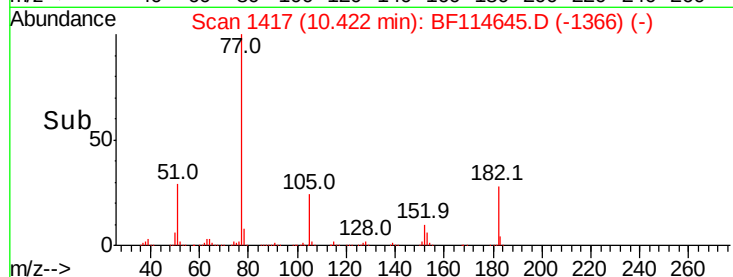
#63
Azobenzene
Concen: 47.371 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

Tot Ion: 77 Resp: 1842115
Ion Ratio Lower Upper
77 100
182 28.0 7.0 47.0
105 23.9 3.7 43.7
51 28.8 9.1 49.1

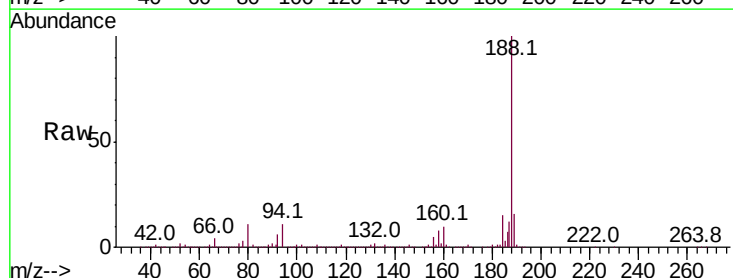


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

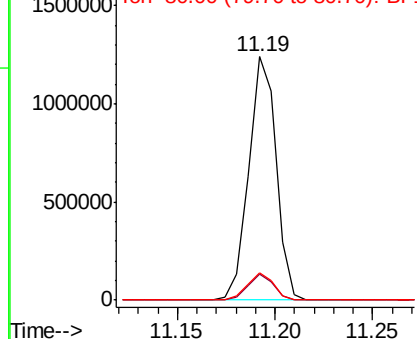
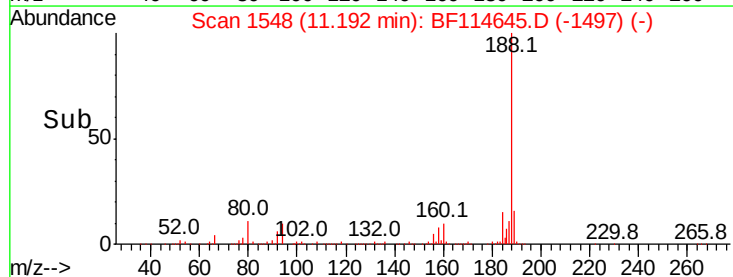


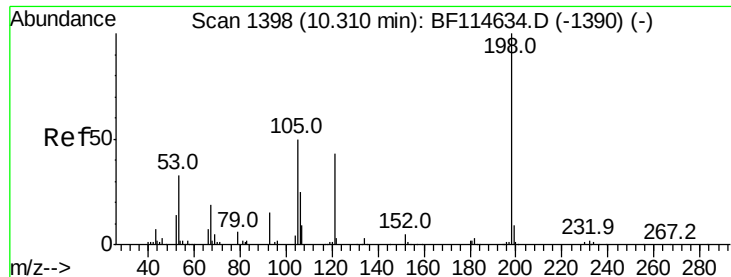
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion: 188 Resp: 1202050
Ion Ratio Lower Upper
188 100
94 10.5 8.6 13.0
80 11.0 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

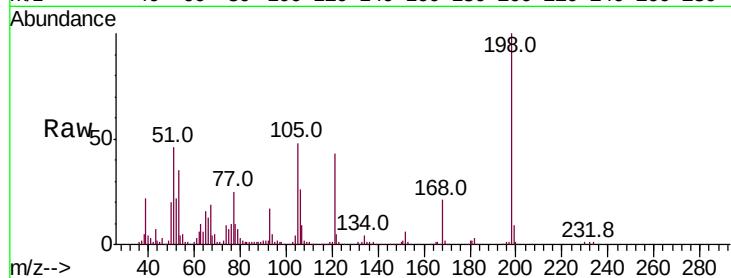




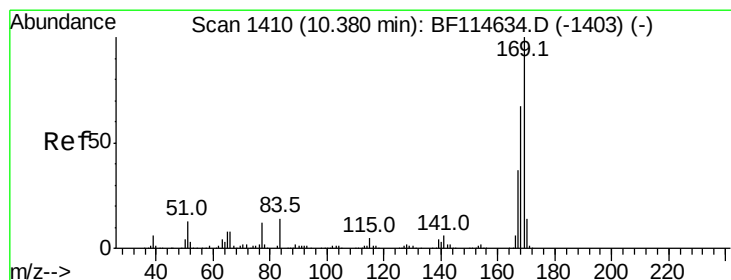
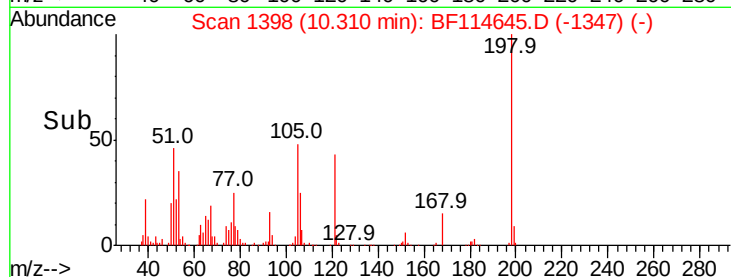
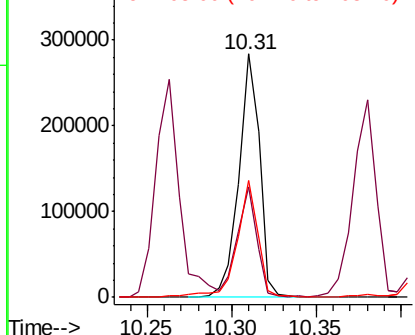
#65
4,6-Dinitro-2-methylphenol
Concen: 45.561 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

Tot Ion	Ratio	Lower	Upper
198	100		
51	45.6	29.0	69.0
105	47.8	30.4	70.4

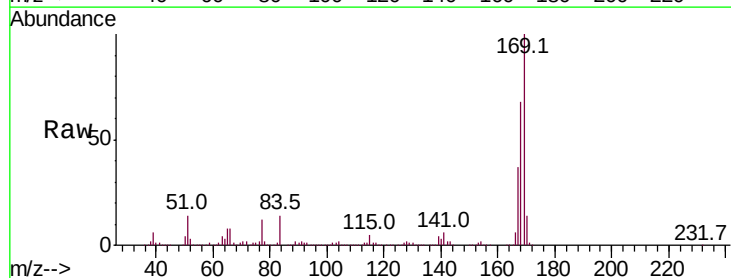


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

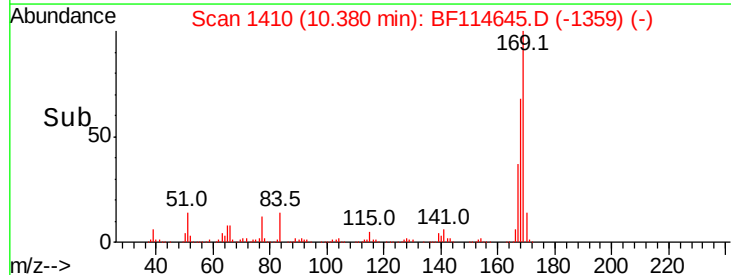
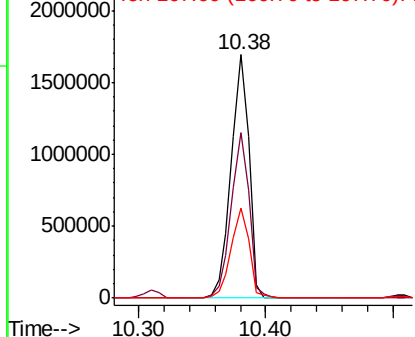


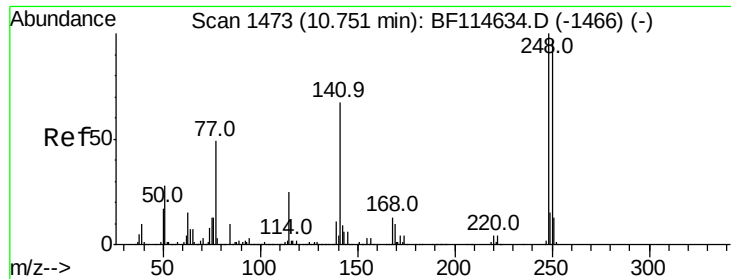
#66
n-Nitrosodiphenylamine
Concen: 46.074 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.8	80.8
167	37.0	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

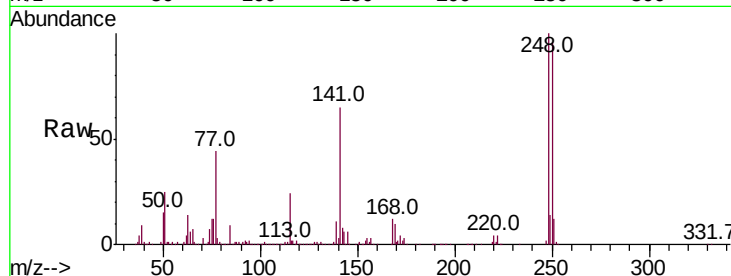




#67
4-Bromophenyl-phenylether
Concen: 43.875 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.5	78.0	117.0
141	65.0	53.8	80.8

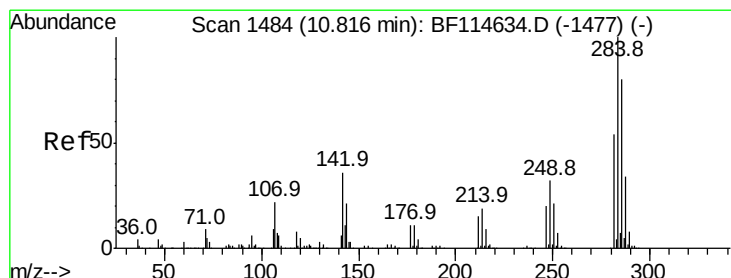
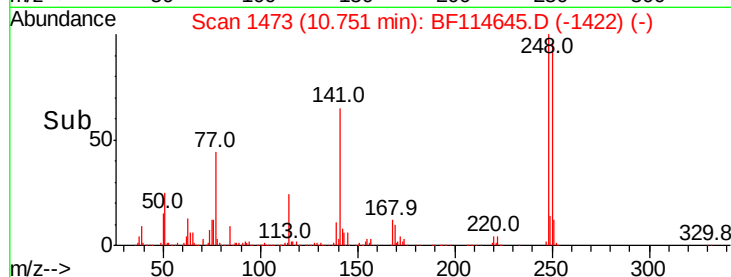
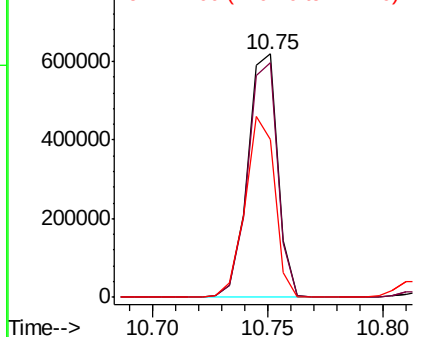


Abundance

Ion 248.00 (247.70 to 248.70): E

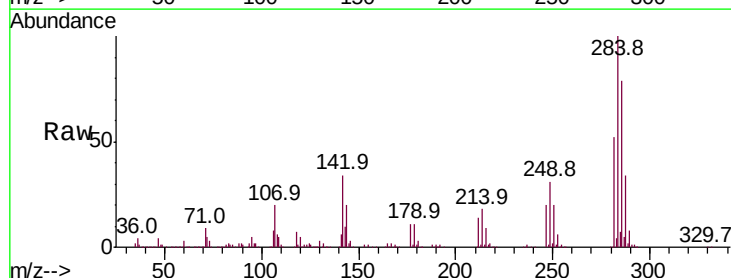
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 42.857 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.9	28.9	43.3
249	30.6	25.8	38.6

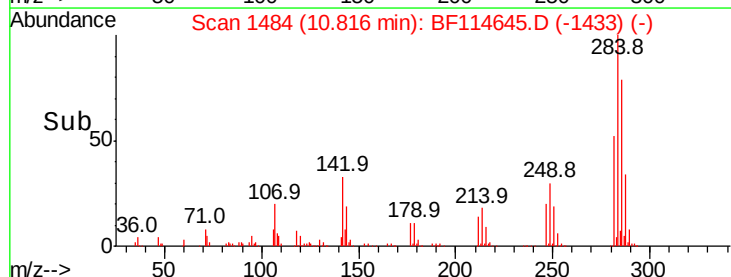
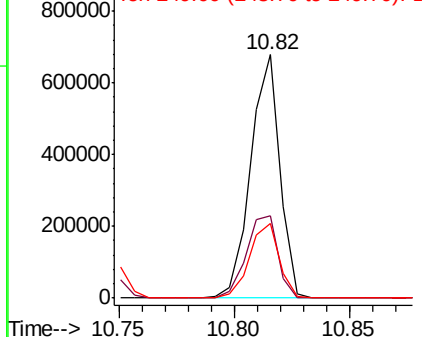


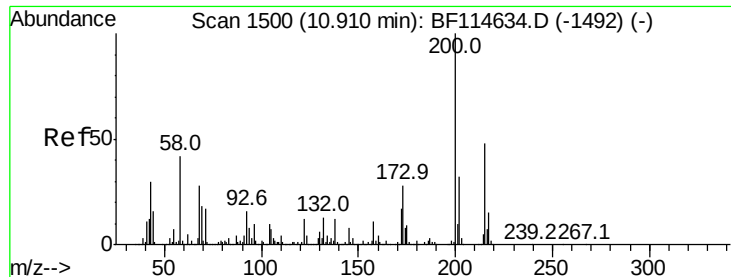
Abundance

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

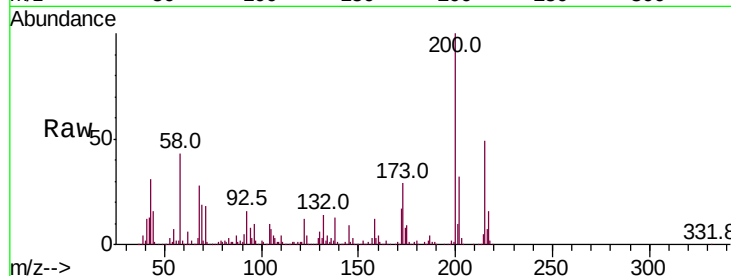




#69
Atrazine
Concen: 47.633 ng
RT: 10.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.6	7.9	47.9
215	48.6	27.8	67.8

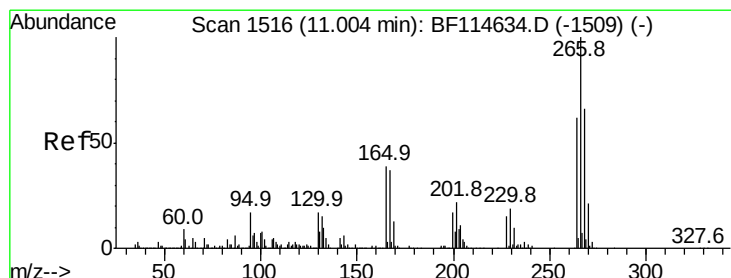
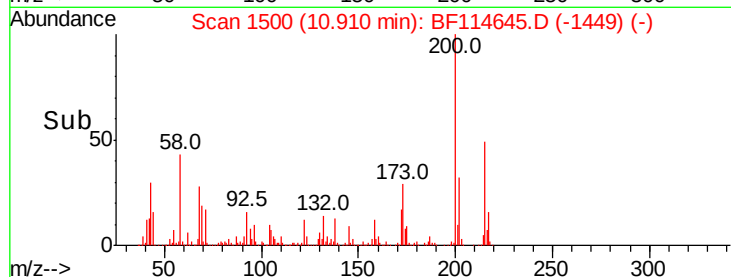
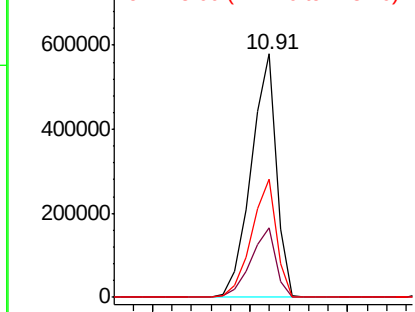


Abundance

Ion 200.00 (199.70 to 200.70): E

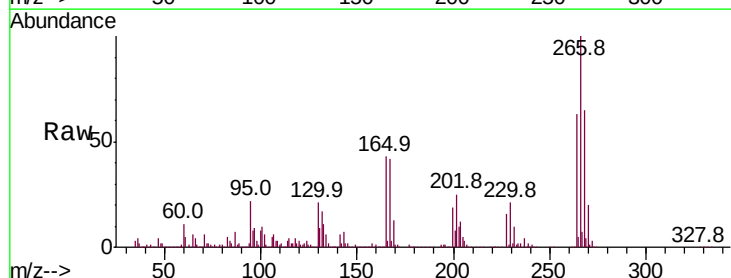
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 86.778 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.7	52.8	79.2
264	62.8	49.9	74.9

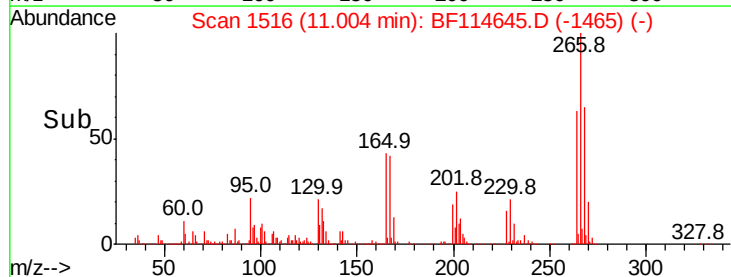
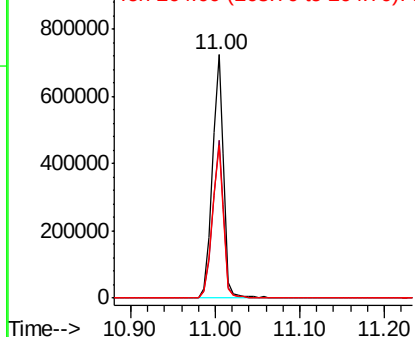


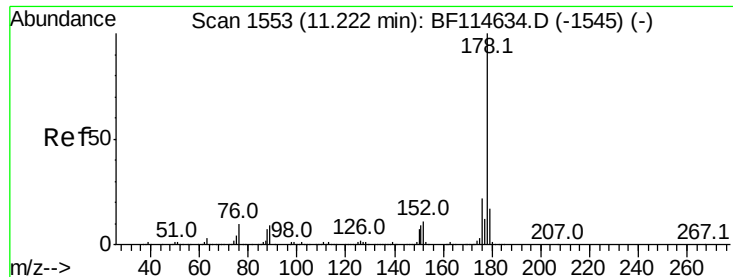
Abundance

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

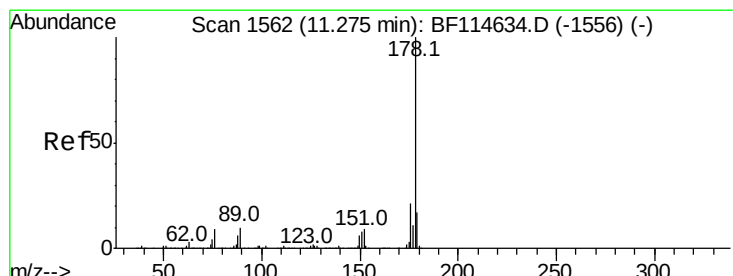
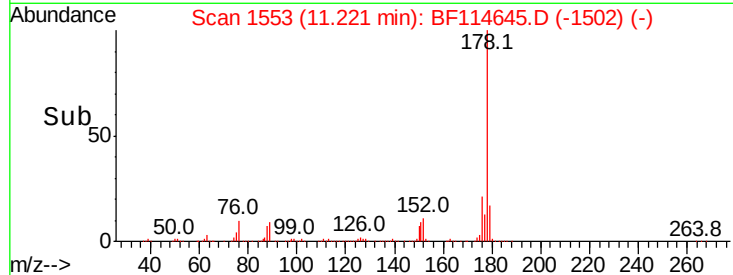
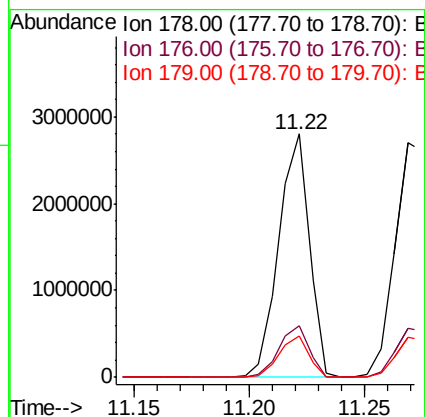
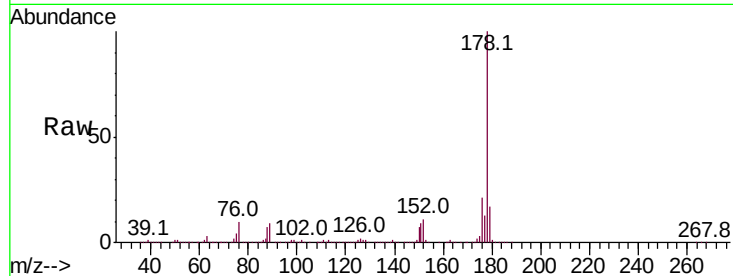




#71
Phenanthrene
Concen: 42.009 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

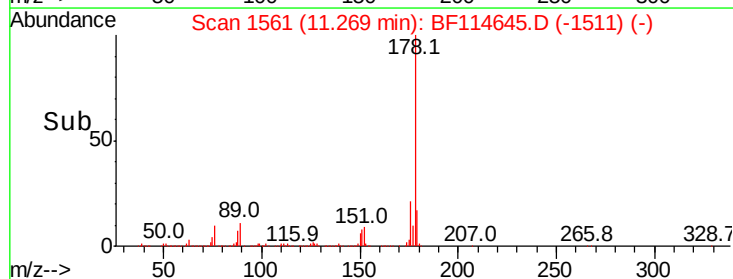
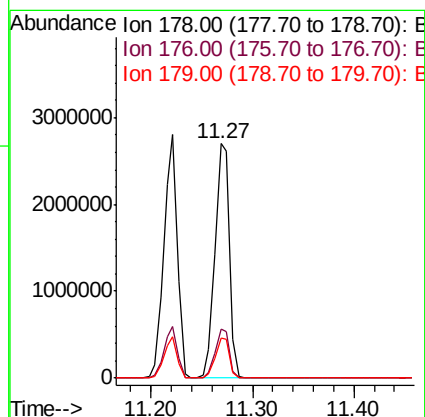
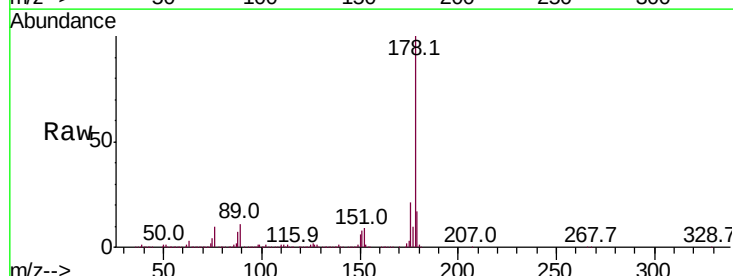
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

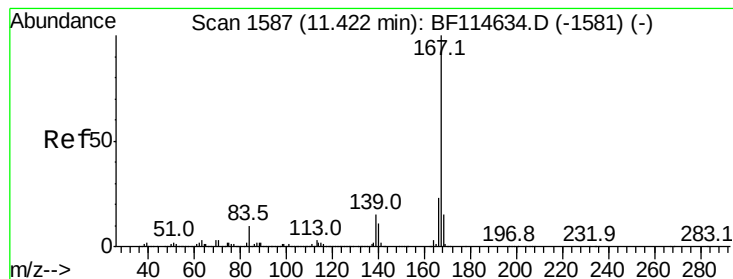
Tot Ion:178 Resp: 2575930
Ion Ratio Lower Upper
178 100
176 21.4 17.2 25.8
179 17.2 13.9 20.9



#72
Anthracene
Concen: 43.047 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:178 Resp: 2671524
Ion Ratio Lower Upper
178 100
176 20.8 16.6 24.8
179 17.3 13.4 20.0





#73

Carbazole

Concen: 45.537 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

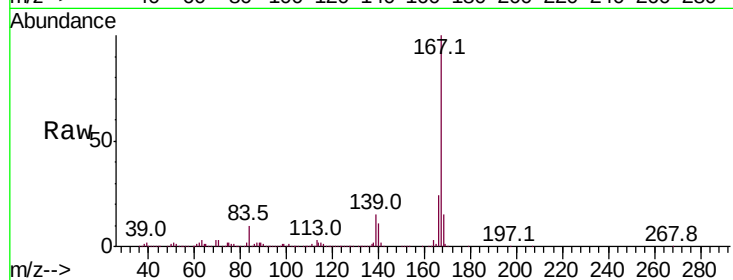
Tot Ion:167 Resp: 2483713

Ion Ratio Lower Upper

167 100

166 23.5 18.7 28.1

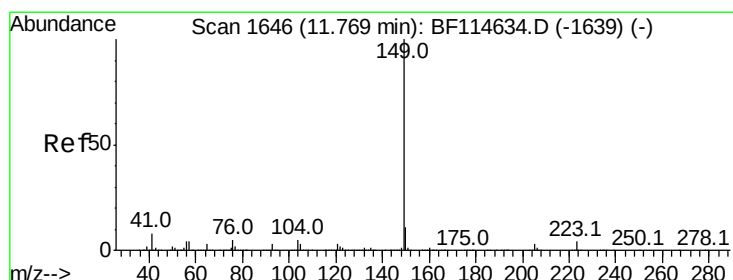
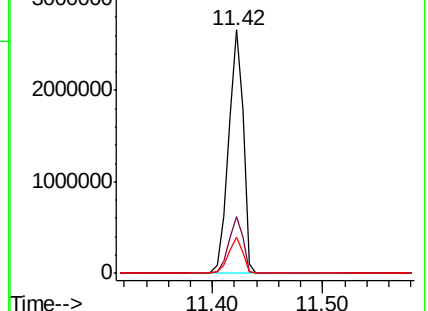
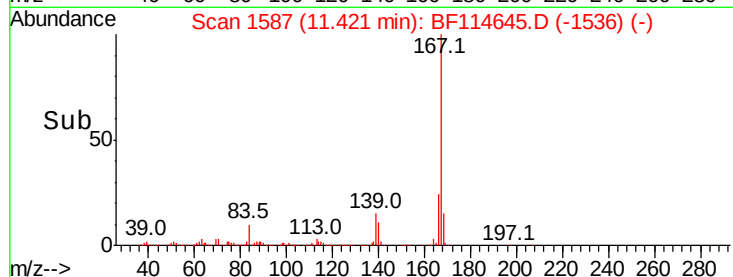
139 15.0 11.8 17.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 46.880 ng

RT: 11.77 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

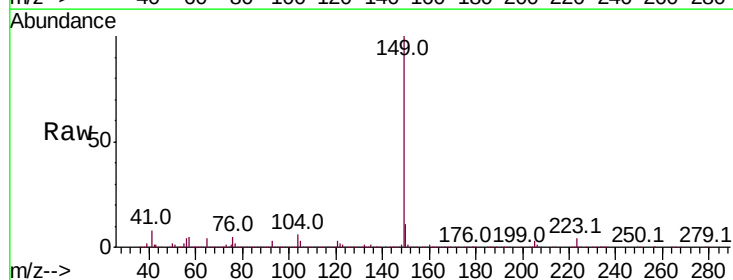
Tgt Ion:149 Resp: 3055932

Ion Ratio Lower Upper

149 100

150 10.7 8.6 12.8

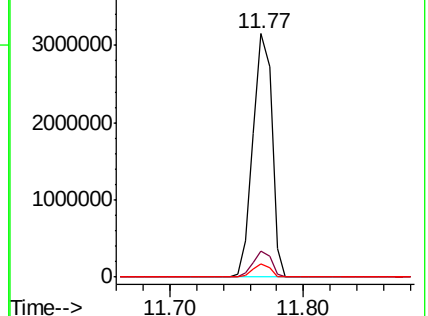
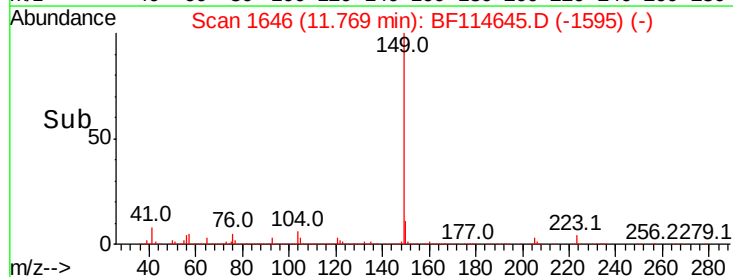
104 5.5 4.3 6.5

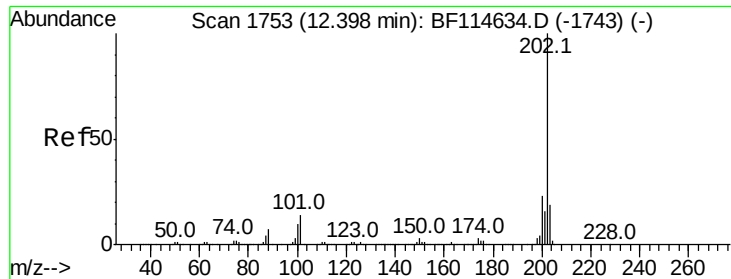


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 42.993 ng

RT: 12.40 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

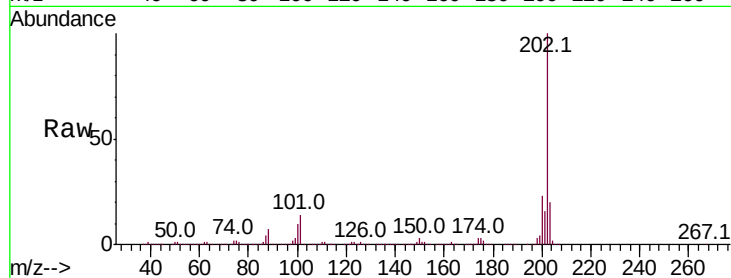
Tot Ion:202 Resp: 2729816

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.9

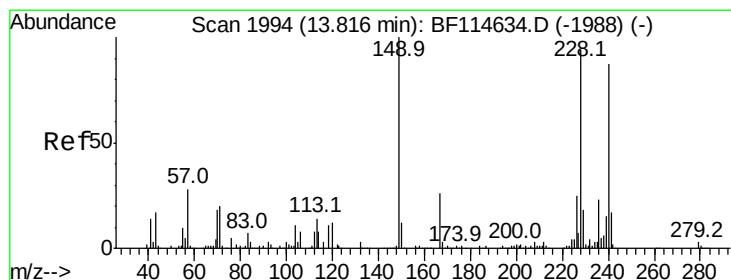
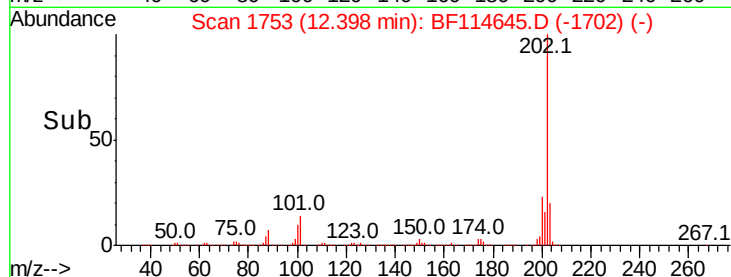
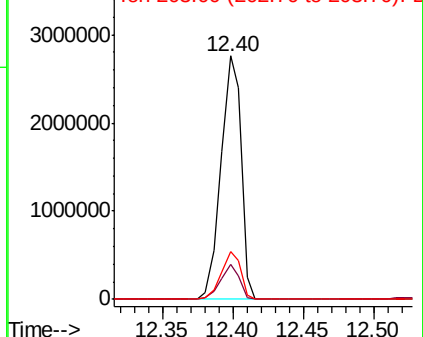
203 19.5 0.0 39.1



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: 13.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

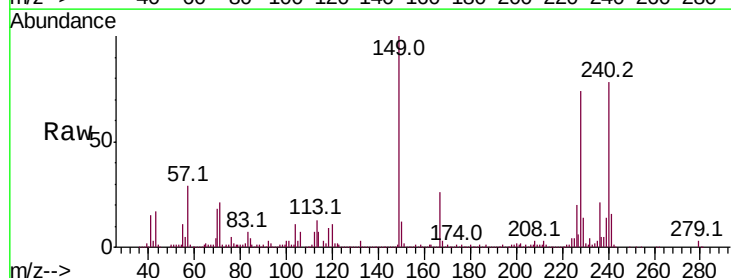
Tgt Ion:240 Resp: 759619

Ion Ratio Lower Upper

240 100

120 13.6 11.2 16.8

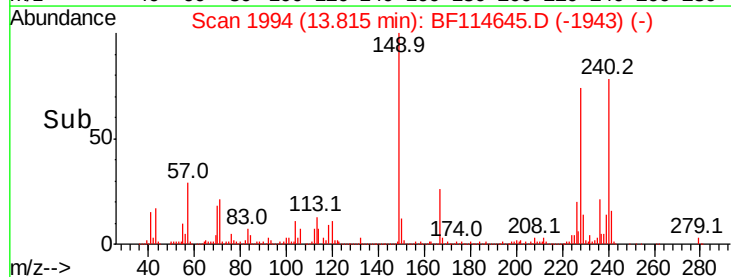
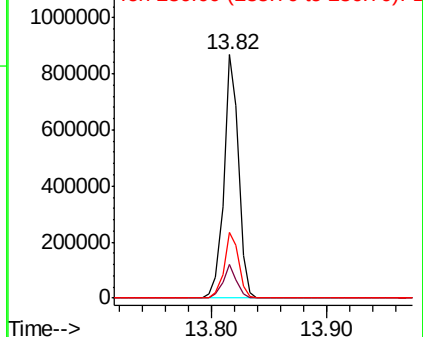
236 27.0 21.2 31.8

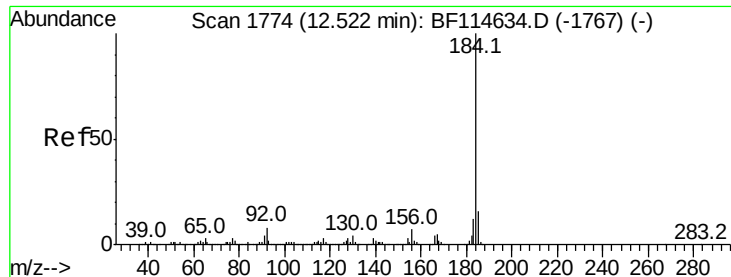


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 34.639 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

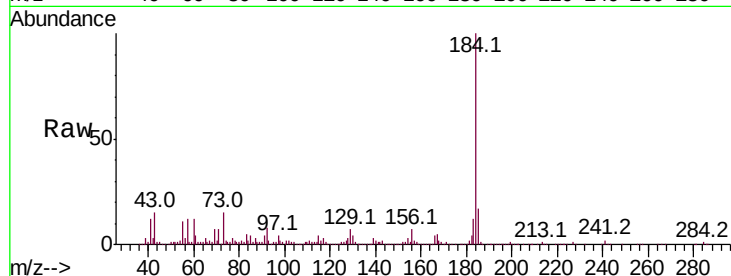
Tot Ion:184 Resp: 1083490

Ion	Ratio	Lower	Upper
184	100		
185	17.2	12.6	18.8
183	11.9	9.4	14.2

184 100

185 17.2 12.6 18.8

183 11.9 9.4 14.2

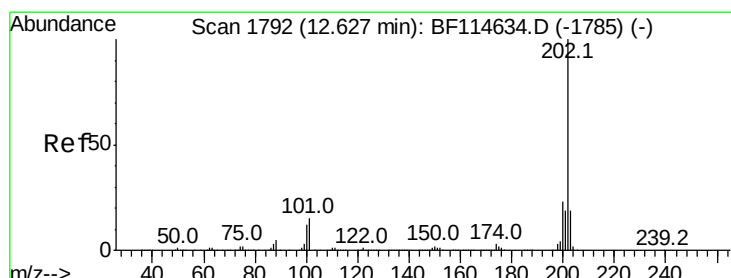
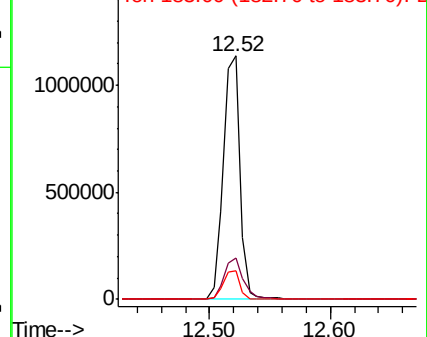
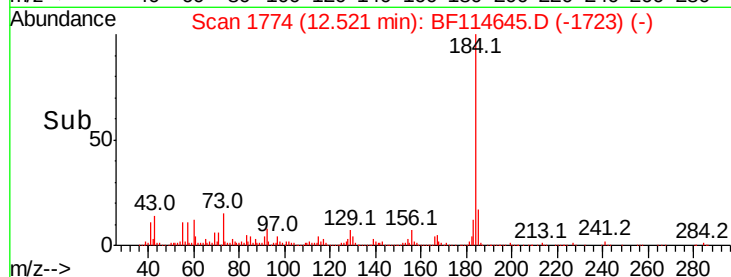


Abundance

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: 42.972 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

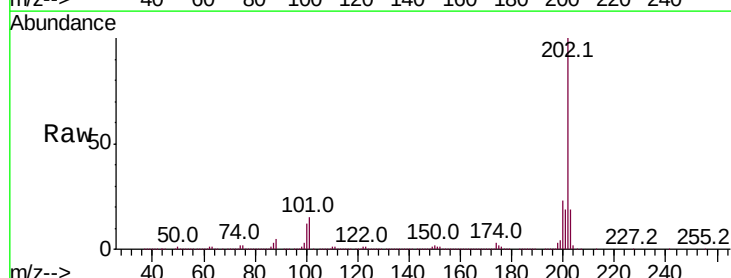
Tgt Ion:202 Resp: 2761298

Ion	Ratio	Lower	Upper
202	100		
200	23.3	18.6	28.0
203	19.3	15.4	23.2

202 100

200 23.3 18.6 28.0

203 19.3 15.4 23.2

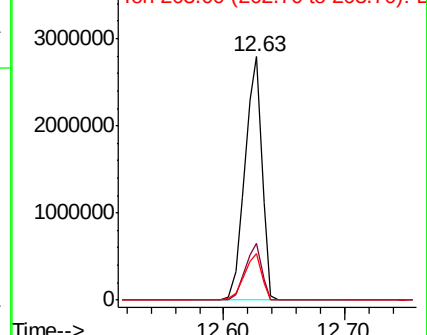
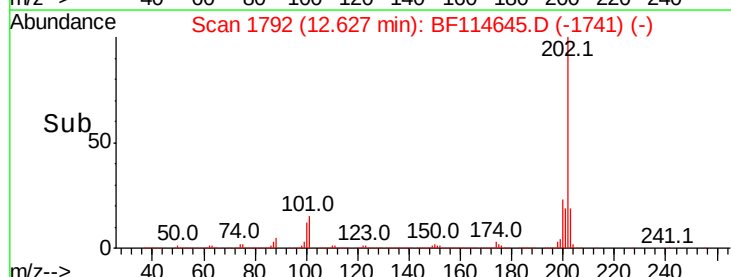


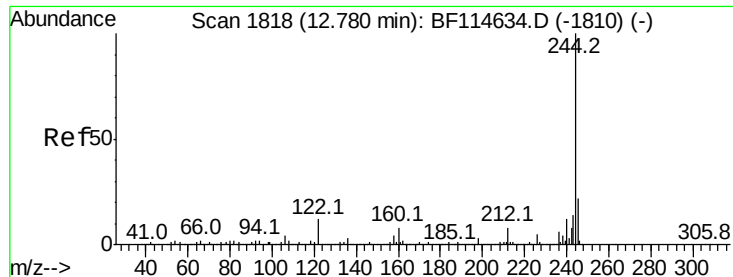
Abundance

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: 83.424 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

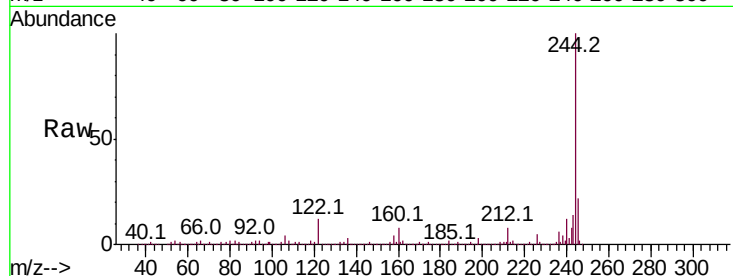
Tot Ion:244 Resp: 3370511

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

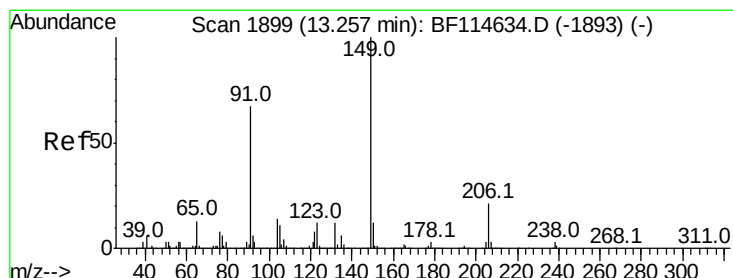
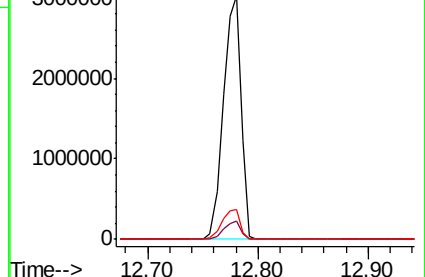
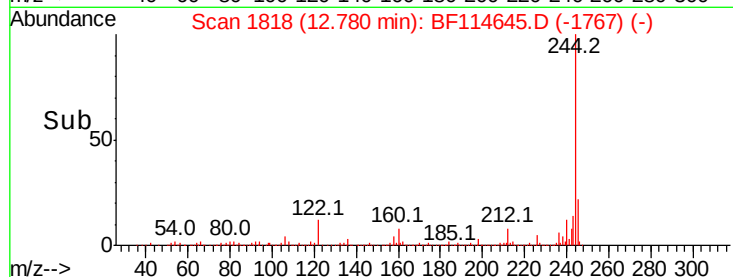
122 12.1 9.8 14.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 45.448 ng

RT: 13.26 min Scan# 1899

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

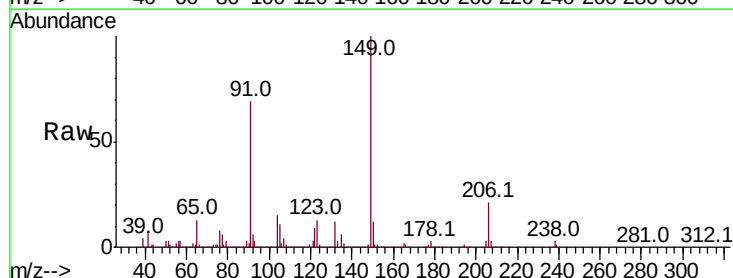
Tgt Ion:149 Resp: 1467692

Ion Ratio Lower Upper

149 100

91 68.7 53.8 80.8

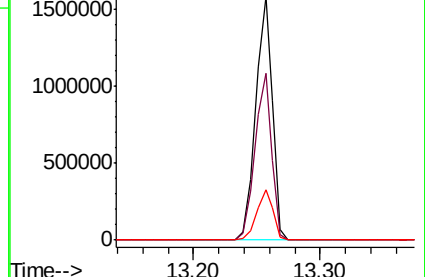
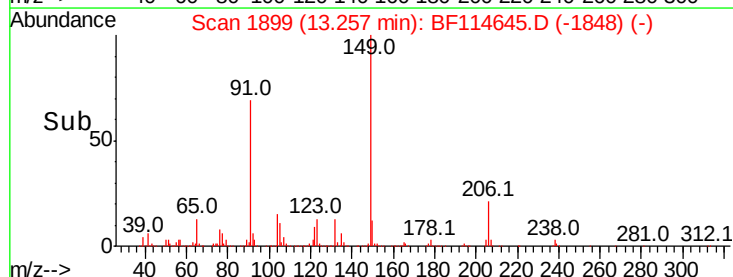
206 20.8 16.9 25.3

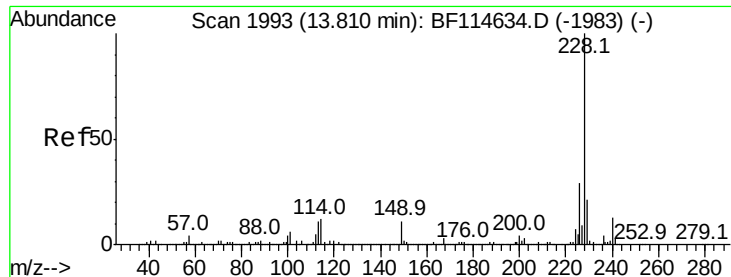


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 42.160 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

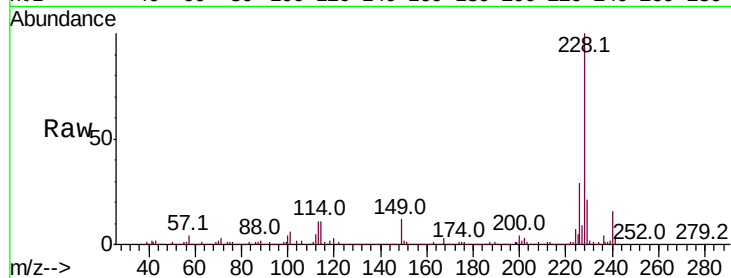
BNA_F

ClientSampleId :

B-4W(3-4)MS

Tot Ion:228 Resp: 2461056

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.0	34.6
229	21.2	17.0	25.4

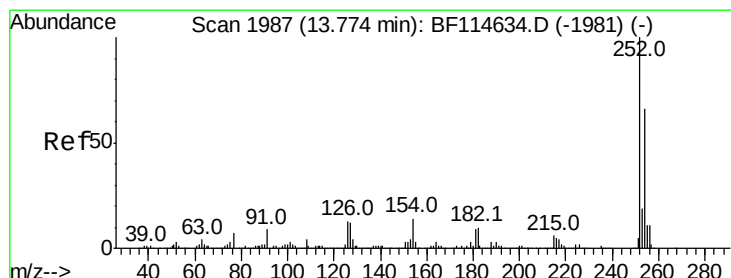
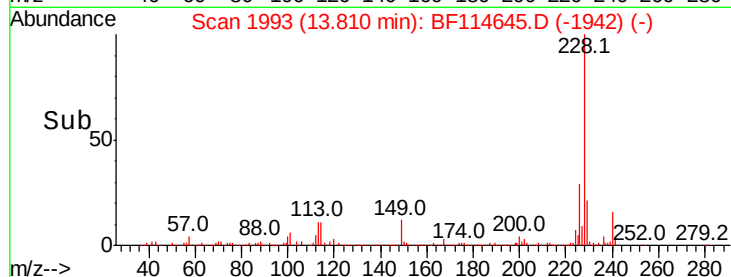
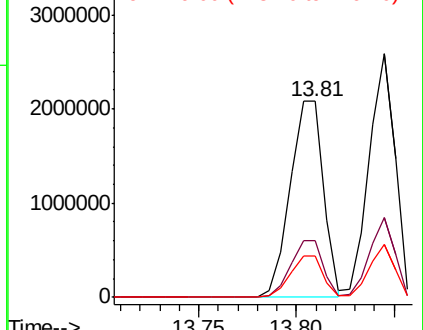


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 19.566 ng

RT: 13.77 min Scan# 1986

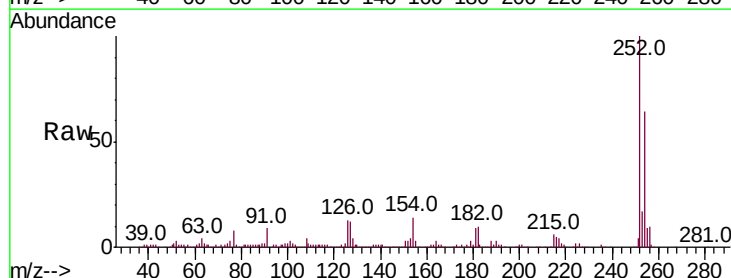
Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion:252 Resp: 441082

Ion	Ratio	Lower	Upper
252	100		
254	64.4	53.1	79.7
126	13.2	10.2	15.2

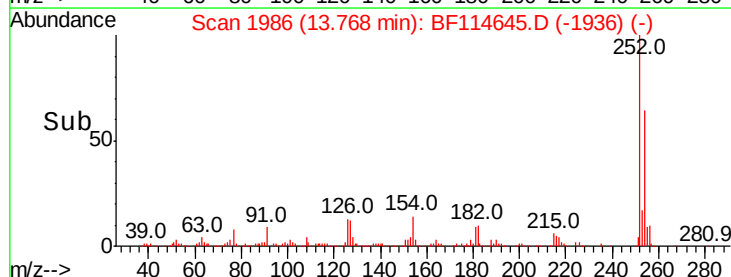
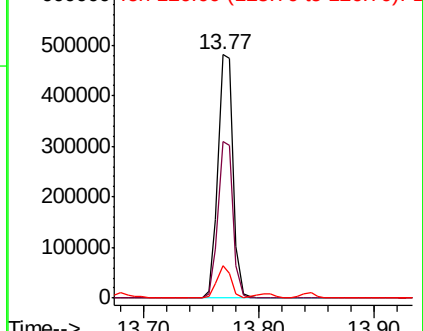


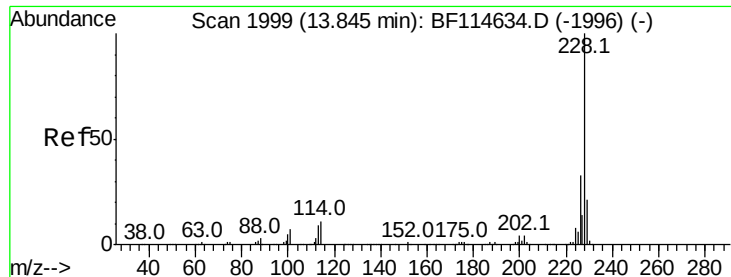
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 42.814 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

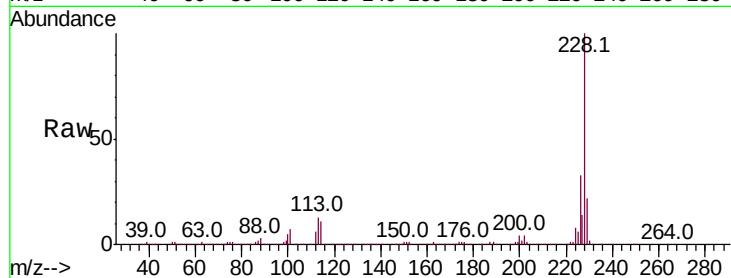
BNA_F

ClientSampleId :

B-4W(3-4)MS

Tot Ion:228 Resp: 2387815

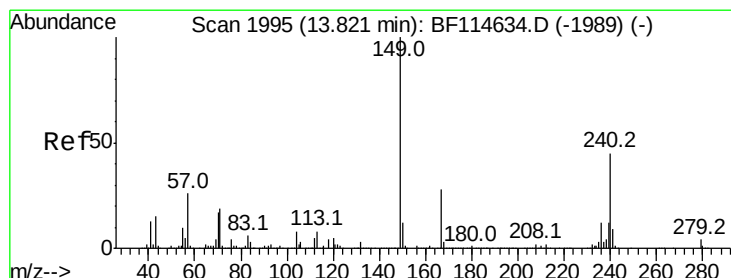
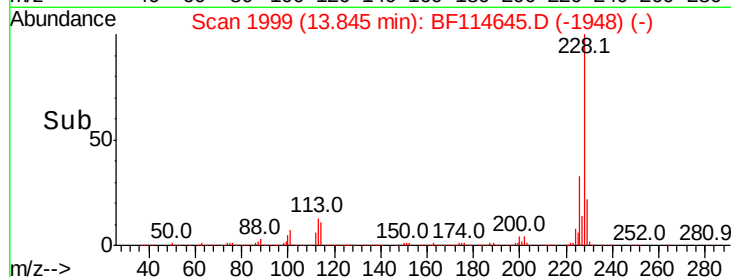
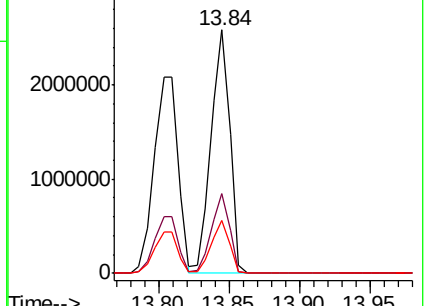
Ion	Ratio	Lower	Upper
228	100		
226	32.9	26.4	39.6
229	21.8	17.1	25.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.200 ng

RT: 13.82 min Scan# 1995

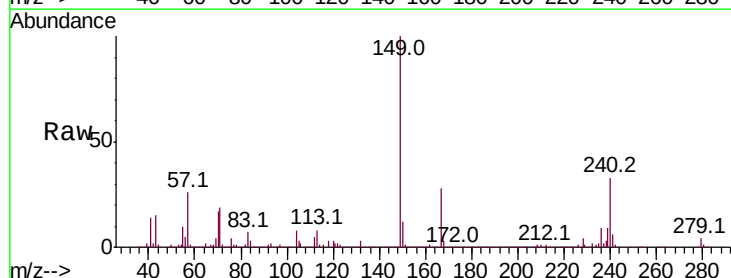
Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion:149 Resp: 1884408

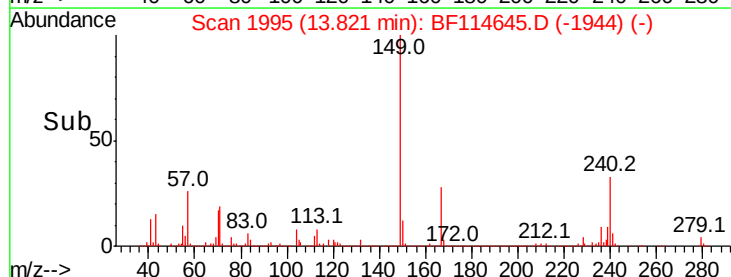
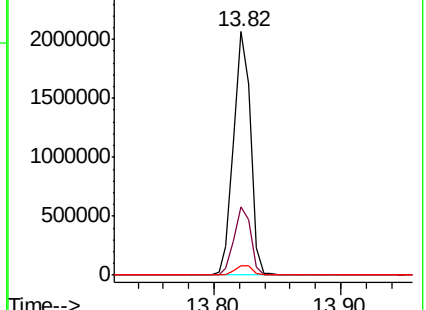
Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.6	33.8
279	3.8	3.0	4.4

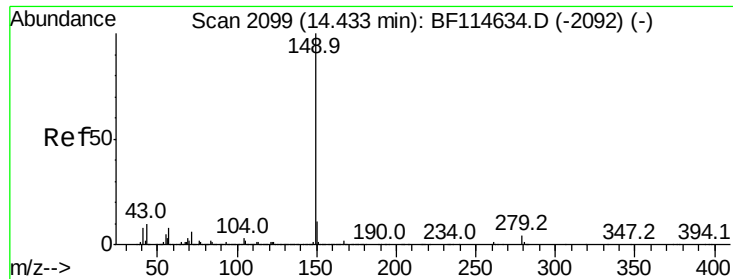


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

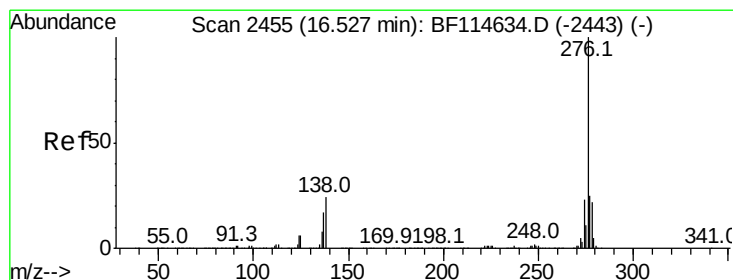
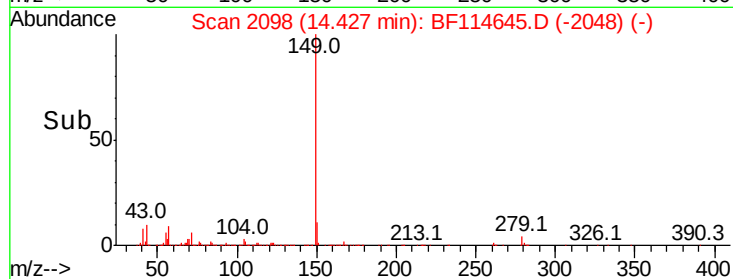
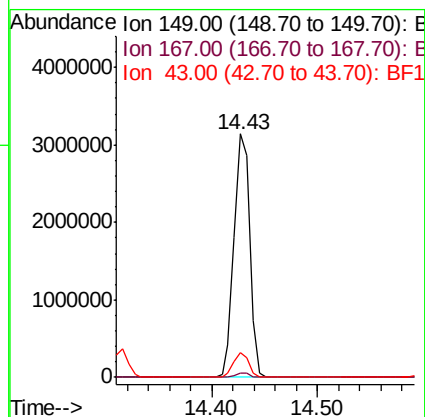
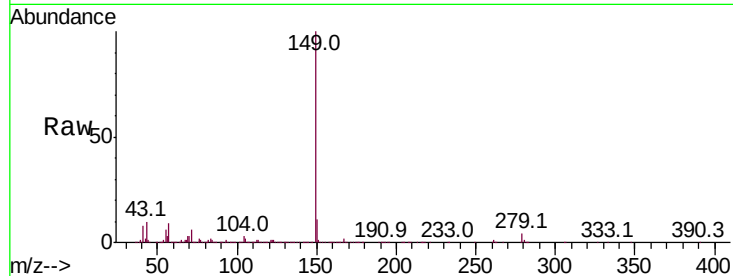




#85
Di-n-octyl phthalate
Concen: 46.209 ng
RT: 14.43 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

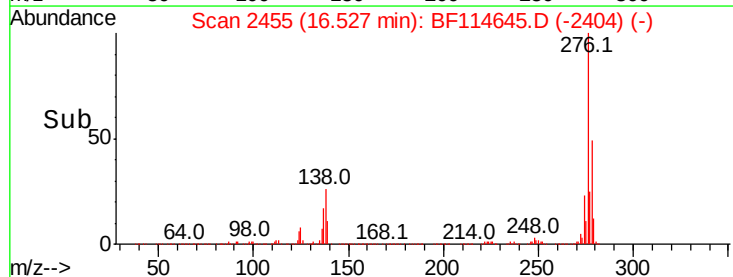
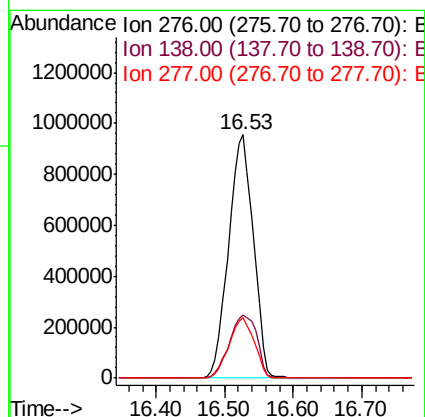
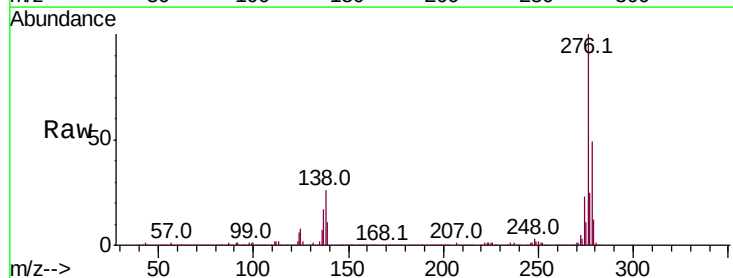
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

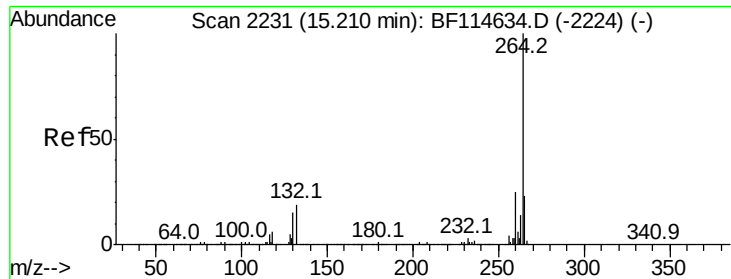
Tot Ion:149 Resp: 3205404
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 9.6 8.0 12.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 42.718 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:276 Resp: 2386173
Ion Ratio Lower Upper
276 100
138 29.0 23.0 34.6
277 25.3 20.5 30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

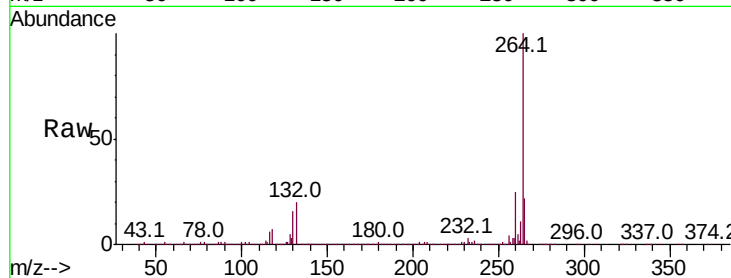
Tot Ion:264 Resp: 825002

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

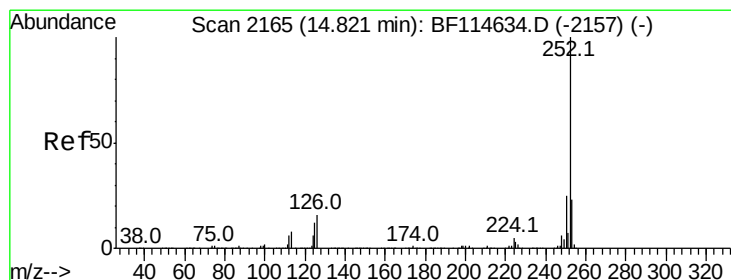
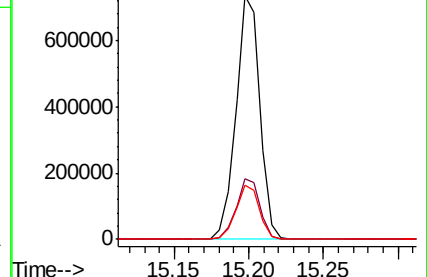
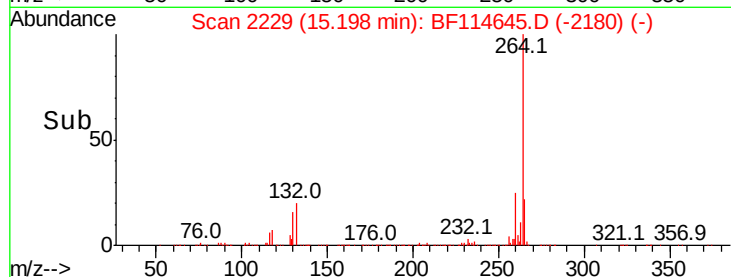
265 22.1 18.1 27.1



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: 44.358 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

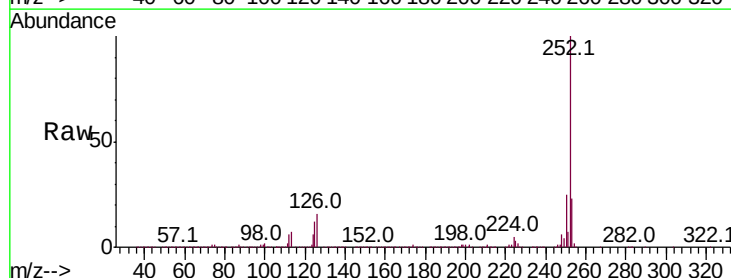
Tgt Ion:252 Resp: 2304929

Ion Ratio Lower Upper

252 100

253 23.2 18.7 28.1

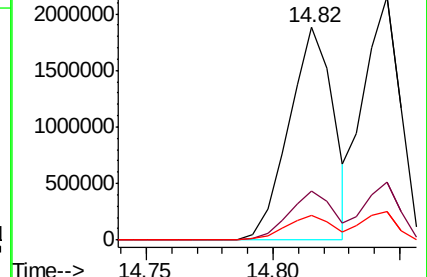
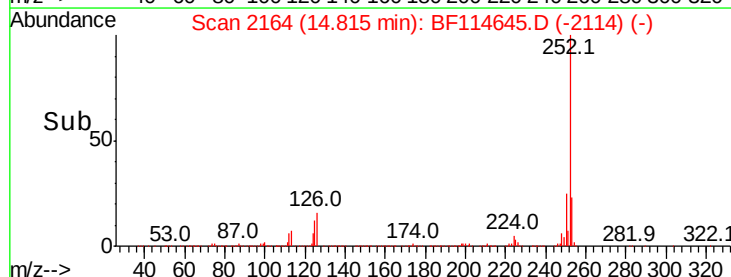
125 11.6 9.4 14.2

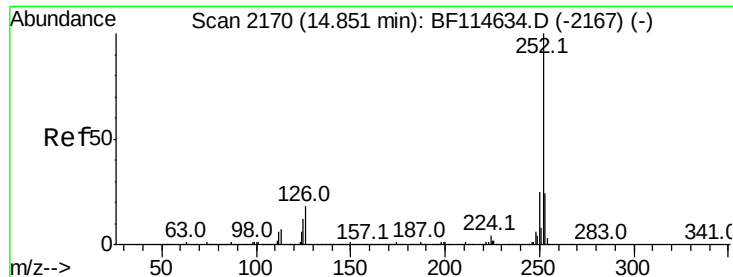


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

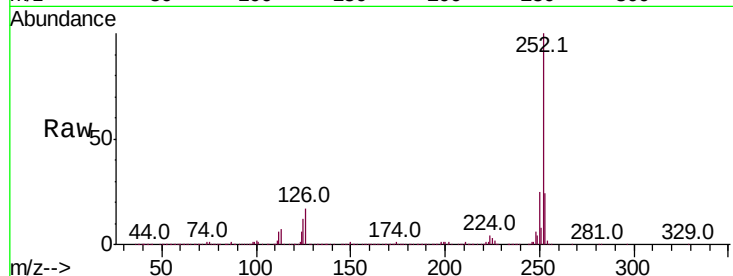




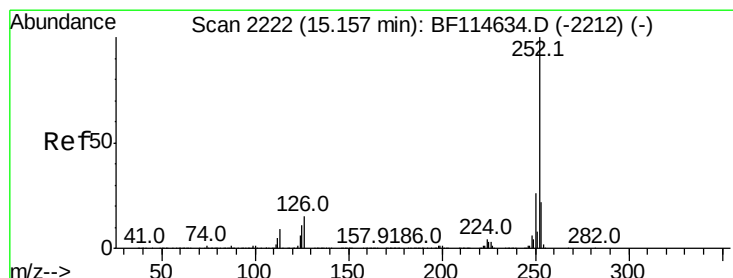
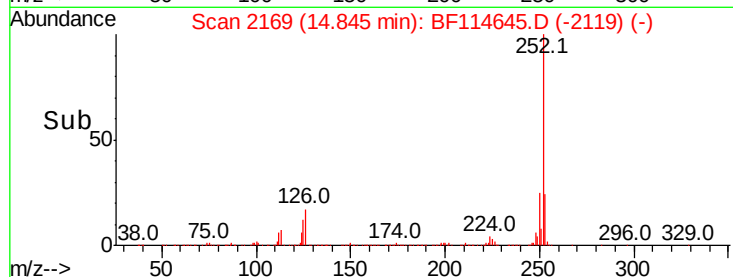
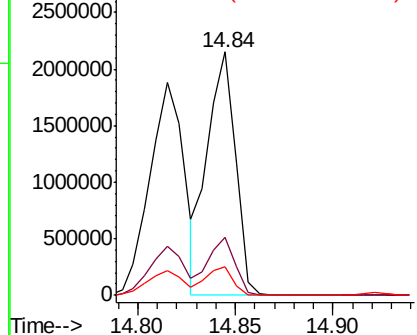
#89
Benzo(k)fluoranthene
Concen: 47.773 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

Tot Ion:252 Resp: 2157600
Ion Ratio Lower Upper
252 100
253 23.7 18.9 28.3
125 11.7 9.5 14.3

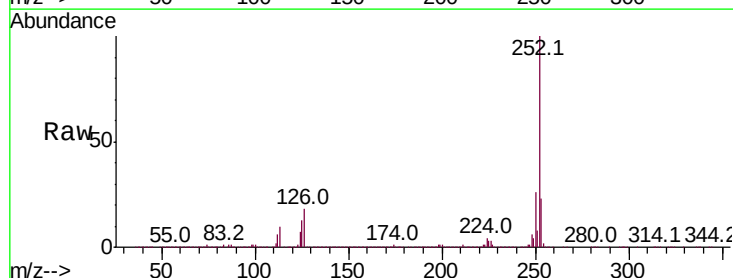


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

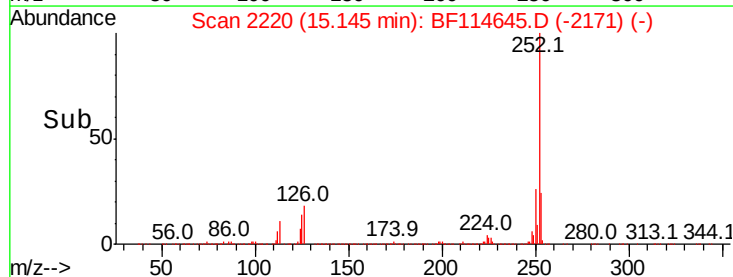
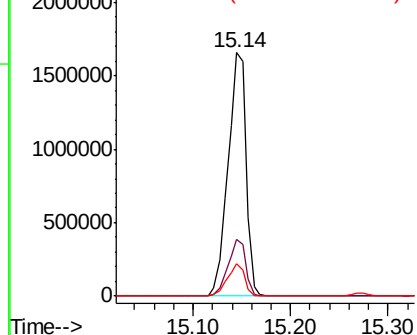


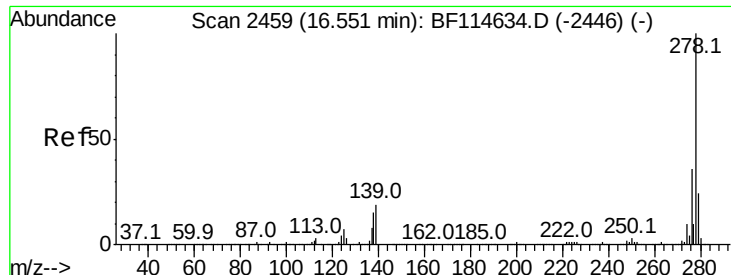
#90
Benzo(a)pyrene
Concen: 46.660 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:252 Resp: 2129946
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 13.5 9.2 13.8



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



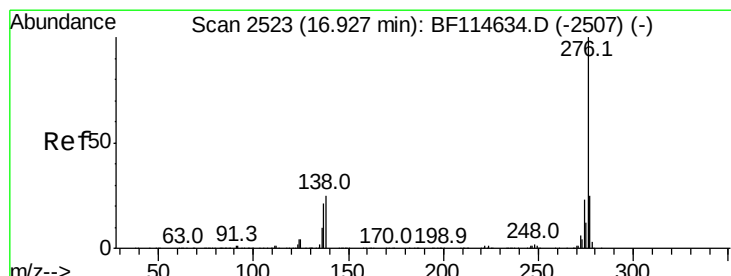
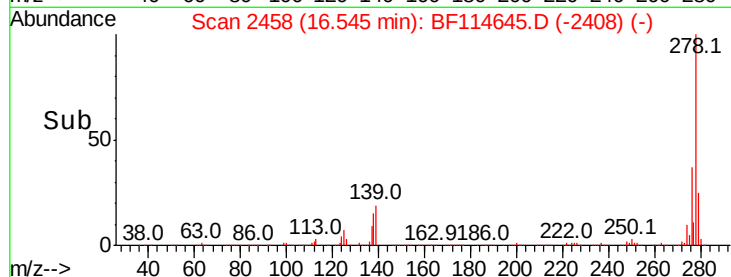
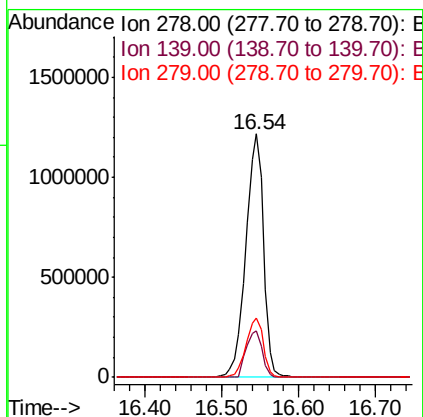
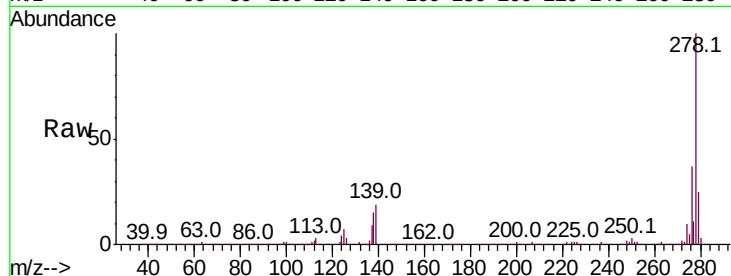


#91
Dibenzo(a,h)anthracene
Concen: 48.767 ng
RT: 16.54 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MS

Tot Ion:278 Resp: 1967126

Ion	Ratio	Lower	Upper
278	100		
139	19.0	14.9	22.3
279	24.6	19.5	29.3



#92
Benzo(g,h,i)perylene
Concen: 51.368 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion:276 Resp: 2011042

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.7	29.5
138	24.9	19.8	29.8

