

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
 Data File : BG041031.D
 Acq On : 3 Jun 2019 13:05
 Operator : HP/JU
 Sample : K3010-05MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FESB-23(3-3.5)MSD

Quant Time: Jun 03 15:27:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	59214	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	231820	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	168110	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	418089	20.00	ng	0.00
76) Chrysene-d12	21.78	240	417414	20.00	ng	0.00
87) Perylene-d12	25.11	264	446648	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	473439	144.17	ng	0.00
7) Phenol-d6	7.27	99	688169	135.69	ng	0.00
23) Nitrobenzene-d5	9.30	82	470061	90.02	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	351512	140.85	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1022607	87.60	ng	0.00
79) Terphenyl-d14	20.09	244	1725859	87.75	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	52411	35.172	ng	# 92
3) Pyridine	3.93	79	51670	11.719	ng	93
4) n-Nitrosodimethylamine	3.85	42	89040	43.511	ng	87
6) Aniline	7.45	93	85056	12.565	ng	97
8) 2-Chlorophenol	7.68	128	174855	44.664	ng	97
9) Benzaldehyde	7.26	77	113104	37.386	ng	86
10) Phenol	7.29	94	248873	45.768	ng	98
11) bis(2-Chloroethyl)ether	7.54	93	168165	42.630	ng	95
12) 1,3-Dichlorobenzene	8.01	146	188537	40.322	ng	96
13) 1,4-Dichlorobenzene	8.15	146	192372	40.645	ng	95
14) 1,2-Dichlorobenzene	8.48	146	186292	40.538	ng	98
15) Benzyl Alcohol	8.36	79	207818	44.298	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.64	45	262763	40.764	ng	100
17) 2-Methylphenol	8.55	107	169013	42.928	ng	99
18) Hexachloroethane	9.20	117	75158	41.201	ng	99
19) n-Nitroso-di-n-propylamine	8.92	70	159890	40.968	ng	96
20) 3+4-Methylphenols	8.88	107	230649	42.292	ng	99
22) Acetophenone	8.95	105	304745	46.863	ng	97
24) Nitrobenzene	9.34	77	243886	45.830	ng	98
25) Isophorone	9.86	82	450672	45.350	ng	98
26) 2-Nitrophenol	10.05	139	109105	49.733	ng	90
27) 2,4-Dimethylphenol	10.09	122	184041	50.795	ng	93
28) bis(2-Chloroethoxy)methane	10.34	93	240507	44.840	ng	98
29) 2,4-Dichlorophenol	10.58	162	209489	45.531	ng	94
30) 1,2,4-Trichlorobenzene	10.80	180	231033	44.140	ng	93
31) Naphthalene	10.99	128	563384	45.264	ng	100
32) Benzoic acid	10.19	122	39566	19.795	ng	95
33) 4-Chloroaniline	11.10	127	60116	10.410	ng	93
34) Hexachlorobutadiene	11.25	225	172595	43.096	ng	99
35) Caprolactam	11.89	113	33180	21.838	ng	94
36) 4-Chloro-3-methylphenol	12.21	107	241316	45.924	ng	99
37) 2-Methylnaphthalene	12.59	142	424162	44.247	ng	98
38) 1-Methylnaphthalene	12.81	142	400895	44.379	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.95	216	309951	45.744	ng	98

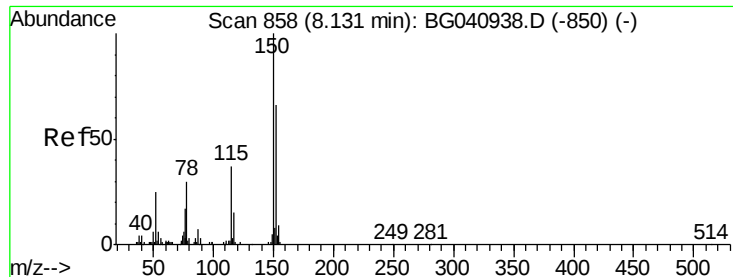
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.92	237	334505	90.621	nq	98
43) 2,4,6-Trichlorophenol	13.19	196	204281	46.604	nq	99
44) 2,4,5-Trichlorophenol	13.26	196	218840	47.339	nq	98
46) 1,1'-Biphenyl	13.59	154	579468	46.567	nq	99
47) 2-Chloronaphthalene	13.63	162	471277	44.115	nq	96
48) 2-Nitroaniline	13.84	65	176388	46.025	nq	94
49) Acenaphthylene	14.48	152	727051	45.219	nq	99
50) Dimethylphthalate	14.20	163	718262	50.473	nq	99
51) 2,6-Dinitrotoluene	14.33	165	142897	46.573	nq	95
52) Acenaphthene	14.82	154	435001	44.661	nq	99
53) 3-Nitroaniline	14.66	138	67999	22.163	nq	91
54) 2,4-Dinitrophenol	14.86	184	90883	63.042	nq	93
55) Dibenzofuran	15.15	168	743076	45.339	nq	99
56) 4-Nitrophenol	14.96	139	218621	103.885	nq	90
57) 2,4-Dinitrotoluene	15.11	165	200851	46.342	nq	97
58) Fluorene	15.80	166	583436	44.700	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.37	232	223016	49.090	nq	98
60) Diethylphthalate	15.55	149	628412	43.271	nq	98
61) 4-Chlorophenyl-phenylether	15.78	204	364339	42.946	nq	95
62) 4-Nitroaniline	15.83	138	140306	43.196	nq	96
63) Azobenzene	16.07	77	585299	44.342	nq	98
65) 4,6-Dinitro-2-methylphenol	15.87	198	103990	46.700	nq	96
66) n-Nitrosodiphenylamine	16.00	169	533631	45.404	nq	100
67) 4-Bromophenyl-phenylether	16.68	248	243291	43.119	nq	97
68) Hexachlorobenzene	16.79	284	252222	41.980	nq	98
69) Atrazine	16.94	200	225660	49.760	nq	96
70) Pentachlorophenol	17.14	266	296896	91.594	nq	97
71) Phenanthrene	17.54	178	980385	45.018	nq	98
72) Anthracene	17.63	178	1008250	46.942	nq	100
73) Carbazole	17.90	167	895056	48.566	nq	99
74) Di-n-butylphthalate	18.43	149	1011451	44.157	nq	98
75) Fluoranthene	19.54	202	1252503	46.563	nq	97
77) Benzidine	19.72	184	102786	10.322	nq	97
78) Pyrene	19.90	202	1259896	46.431	nq	99
80) Butylbenzylphthalate	20.77	149	489938	46.397	nq	97
81) Benzo(a)anthracene	21.75	228	1242223	44.707	nq	99
82) 3,3'-Dichlorobenzidine	21.67	252	183185	18.744	nq	97
83) Chrysene	21.82	228	1208248	45.440	nq	97
84) Bis(2-ethylhexyl)phthalate	21.62	149	673303	45.295	nq	100
85) Di-n-octyl phthalate	22.87	149	1138082	45.970	nq	100
86) Indeno(1,2,3-cd)pyrene	28.96	276	1486652	45.642	nq	# 98
88) Benzo(b)fluoranthene	24.05	252	1263128	46.626	nq	99
89) Benzo(k)fluoranthene	24.12	252	1219454	45.488	nq	98
90) Benzo(a)pyrene	24.96	252	1227465	47.491	nq	98
91) Dibenzo(a,h)anthracene	29.02	278	1219753	47.229	nq	99
92) Benzo(g,h,i)perylene	30.16	276	1215485	48.444	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 857

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

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BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

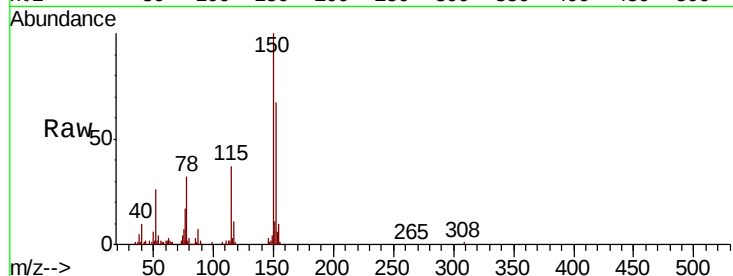
Tot Ion:152 Resp: 59214

Ion Ratio Lower Upper

152 100

150 149.4 120.6 180.8

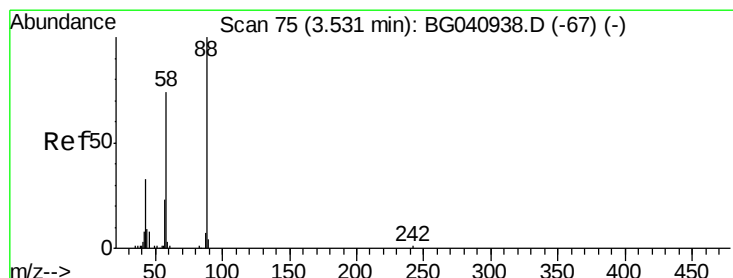
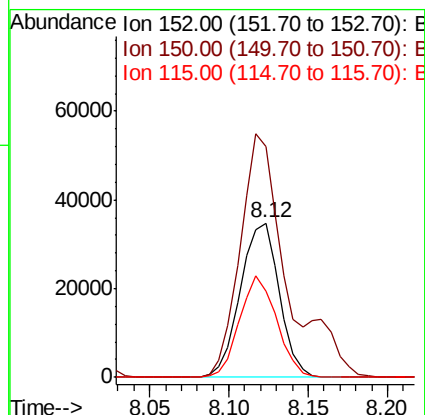
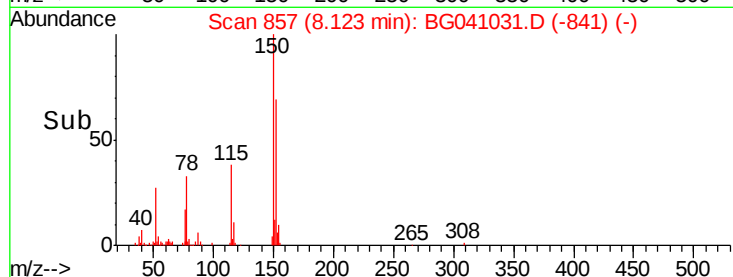
115 55.6 45.1 67.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 35.172 ng

RT: 3.52 min Scan# 73

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

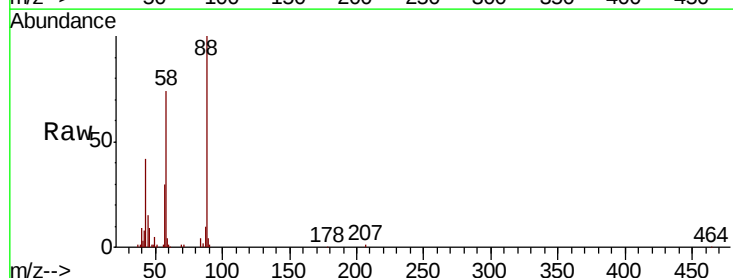
Tgt Ion: 88 Resp: 52411

Ion Ratio Lower Upper

88 100

58 78.9 59.0 88.6

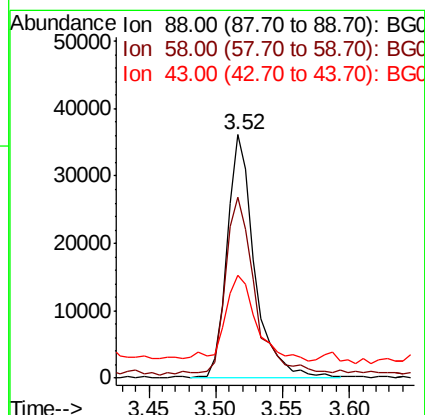
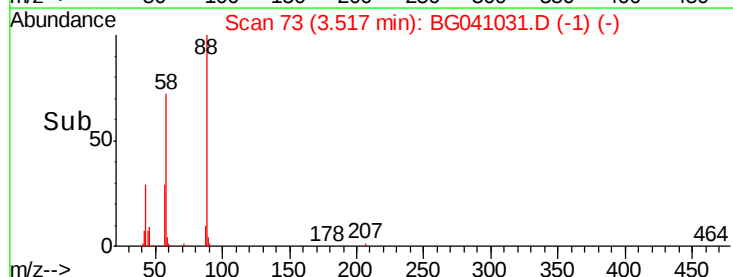
43 41.2 27.2 40.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 11.719 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

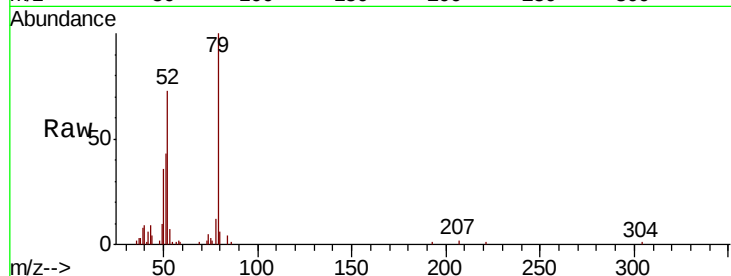
Tot Ion: 79 Resp: 51670

Ion Ratio Lower Upper

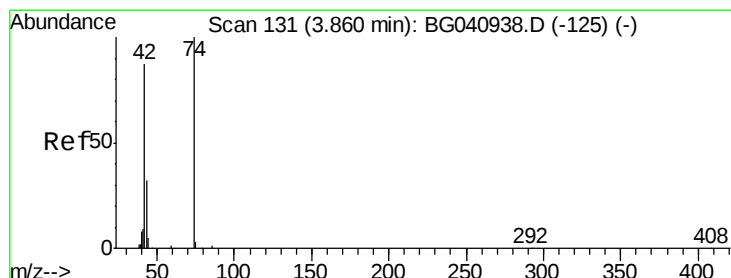
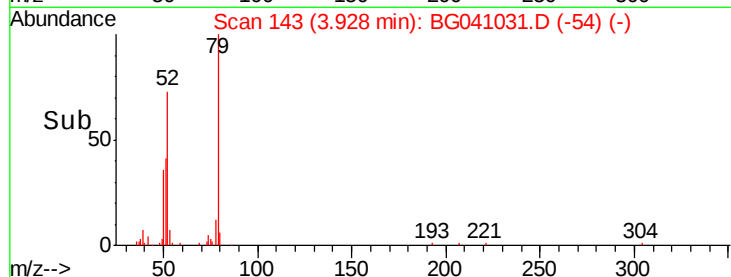
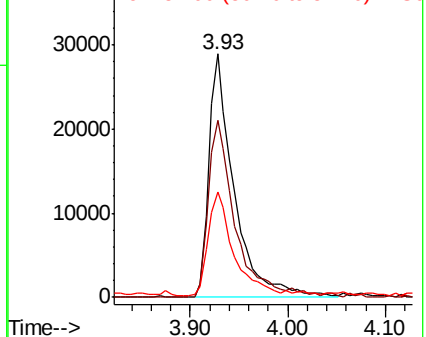
79 100

52 72.8 64.8 97.2

51 43.1 35.3 52.9



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 43.511 ng

RT: 3.85 min Scan# 129

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

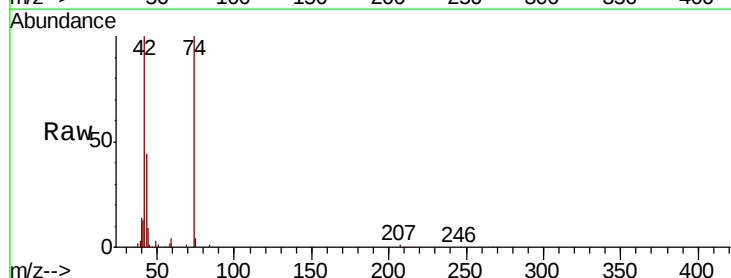
Tgt Ion: 42 Resp: 89040

Ion Ratio Lower Upper

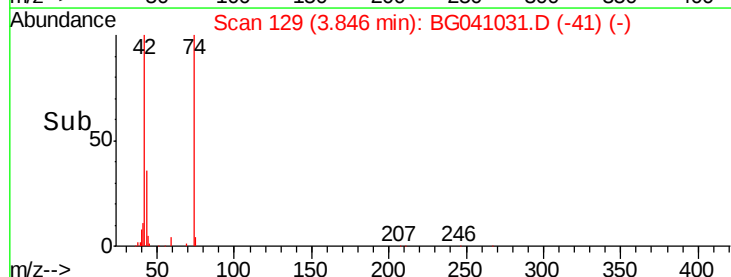
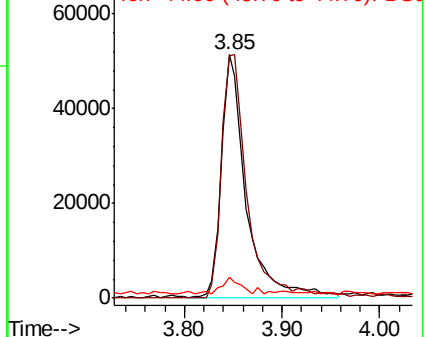
42 100

74 99.8 91.8 137.6

44 8.7 6.0 9.0



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





#5

2-Fluorophenol

Concen: 144.174 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

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ClientSampleId :

FESB-23(3-3.5)MSD

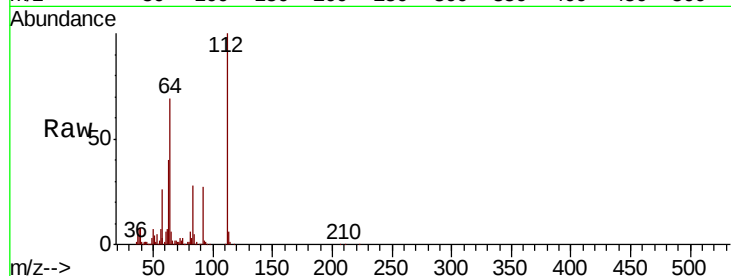
Tot Ion:112 Resp: 473439

Ion Ratio Lower Upper

112 100

64 68.9 56.2 84.2

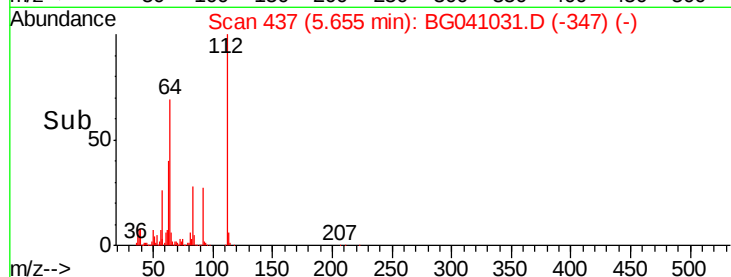
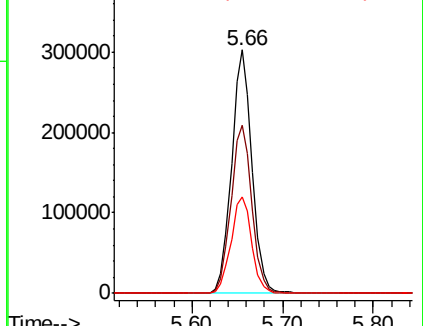
63 39.8 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 12.565 ng

RT: 7.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

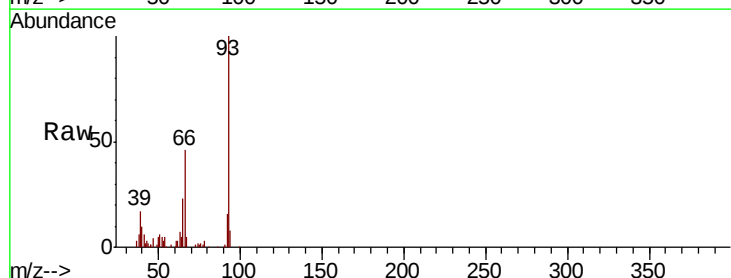
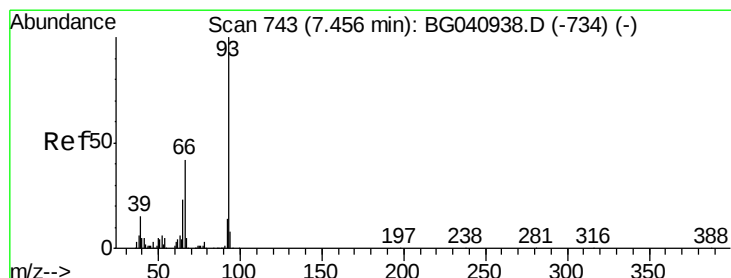
Tgt Ion: 93 Resp: 85056

Ion Ratio Lower Upper

93 100

66 45.6 33.8 50.8

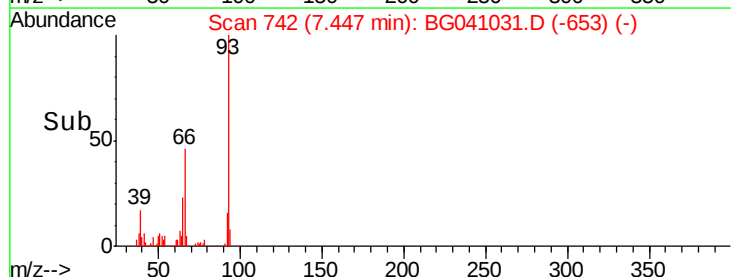
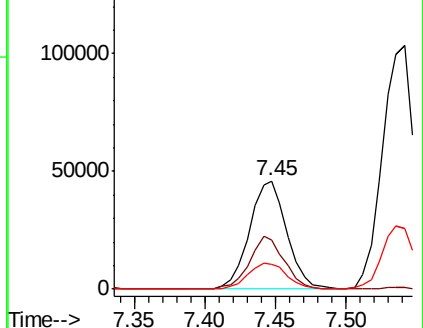
65 22.9 18.3 27.5



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 135.693 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

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ClientSampleId :

FESB-23(3-3.5)MSD

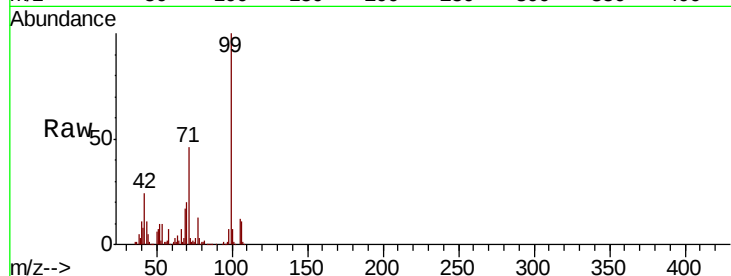
Tot Ion: 99 Resp: 688169

Ion Ratio Lower Upper

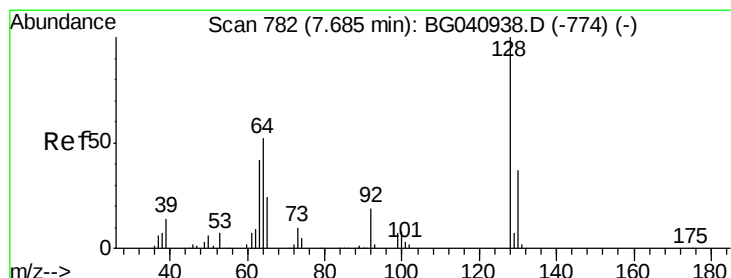
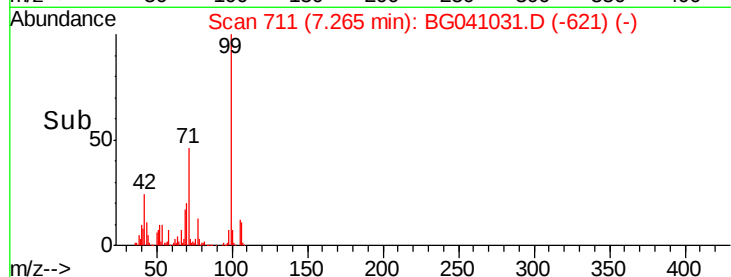
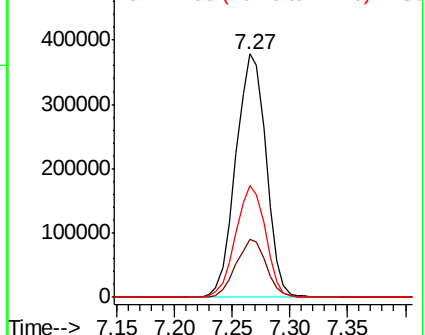
99 100

42 23.7 17.9 26.9

71 45.7 35.4 53.0



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



#8

2-Chlorophenol

Concen: 44.664 ng

RT: 7.68 min Scan# 782

Delta R.T. -0.00 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

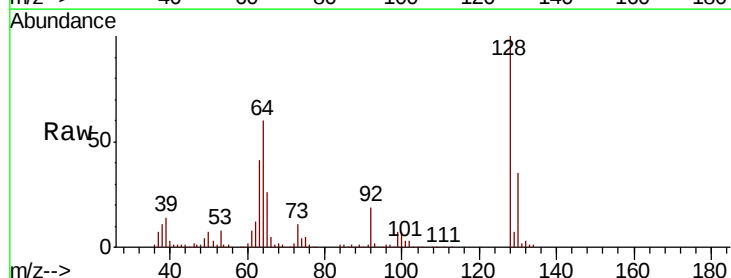
Tgt Ion: 128 Resp: 174855

Ion Ratio Lower Upper

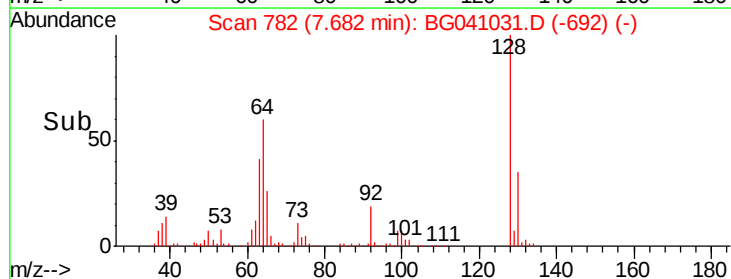
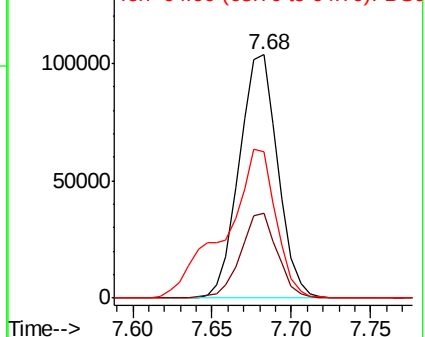
128 100

130 34.7 16.6 56.6

64 59.9 37.8 77.8



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





#9

Benzaldehyde

Concen: 37.386 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041031.D

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FESB-23(3-3.5)MSD

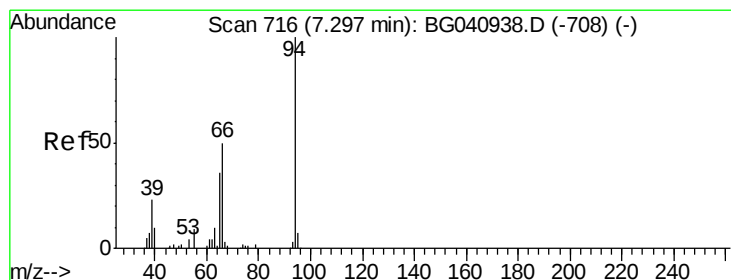
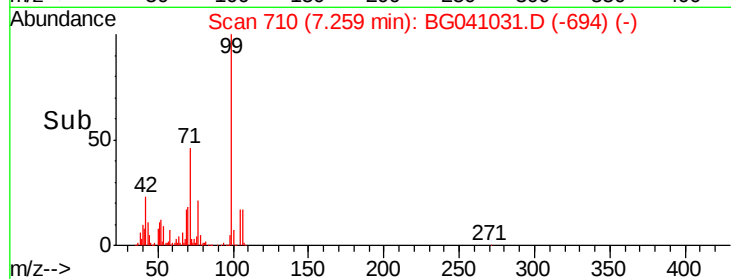
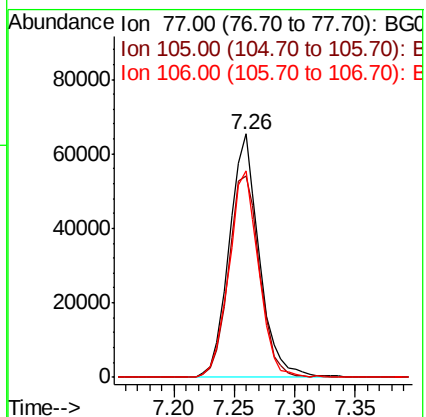
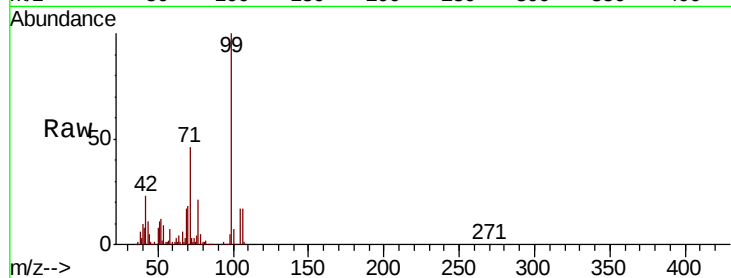
Tot Ion: 77 Resp: 113104

Ion Ratio Lower Upper

77 100

105 82.6 78.9 118.9

106 84.7 76.7 116.7



#10

Phenol

Concen: 45.768 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

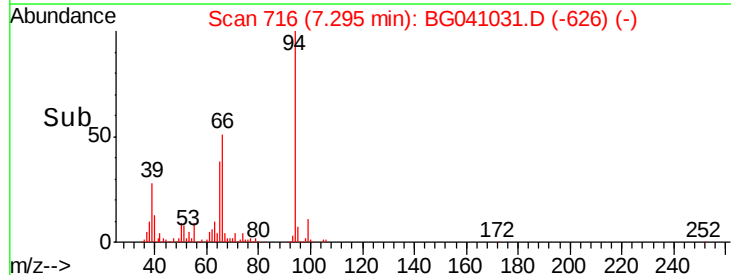
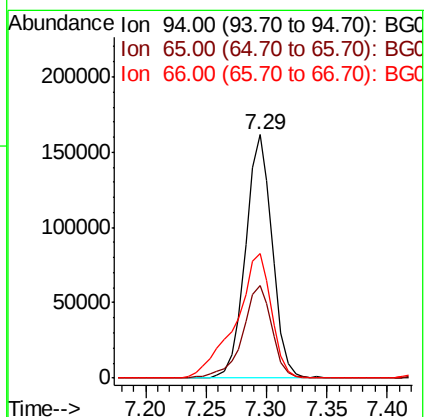
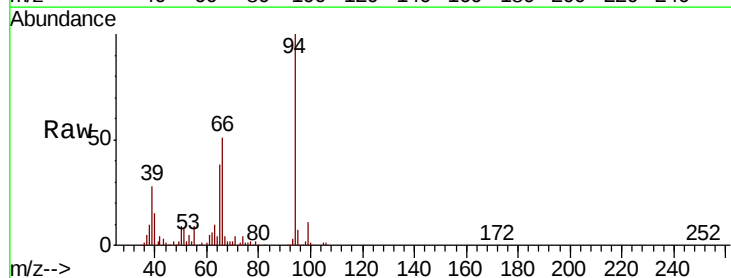
Tgt Ion: 94 Resp: 248873

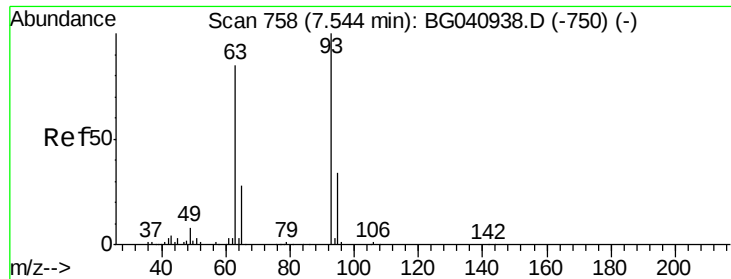
Ion Ratio Lower Upper

94 100

65 38.0 17.0 57.0

66 51.0 32.4 72.4

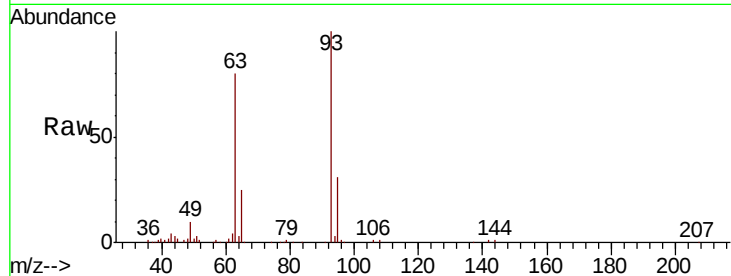




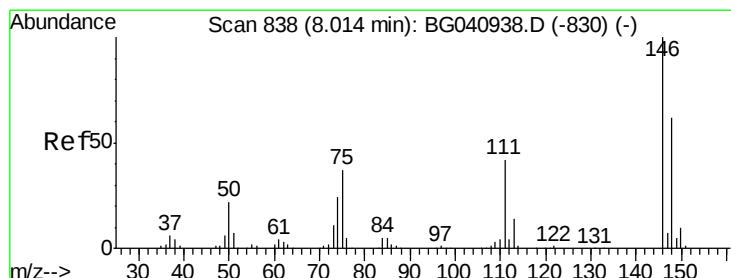
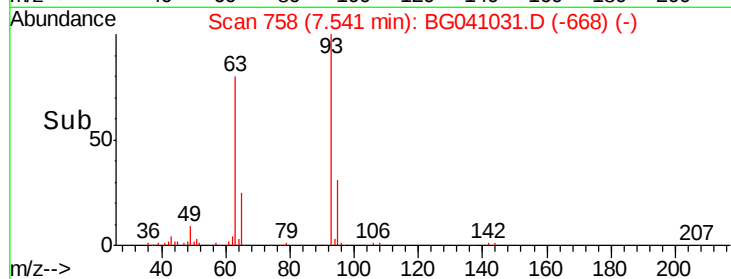
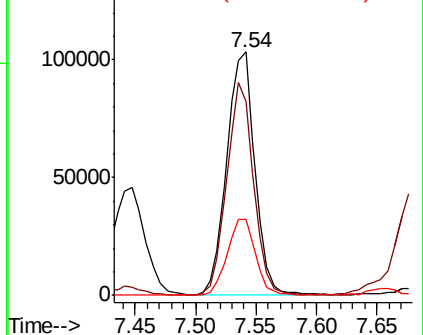
#11
 bis(2-Chloroethyl)ether
 Concen: 42.630 ng
 RT: 7.54 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BG041031.D
 Acq: 3 Jun 2019 13:05

Instrument :
 BNA_G
 ClientSampleId :
 FESB-23(3-3.5)MSD

Tot Ion	93	Resp	168165
Ion Ratio	Lower	Upper	
93	100		
63	79.5	64.5	104.5
95	30.9	13.3	53.3

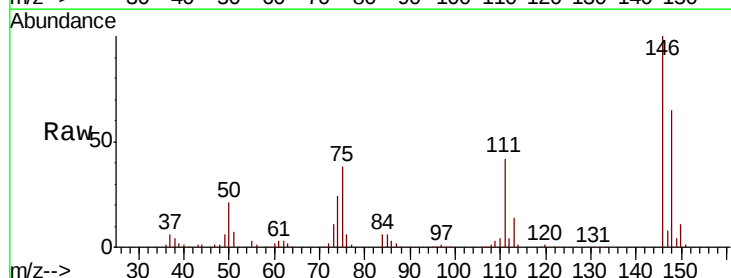


Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC

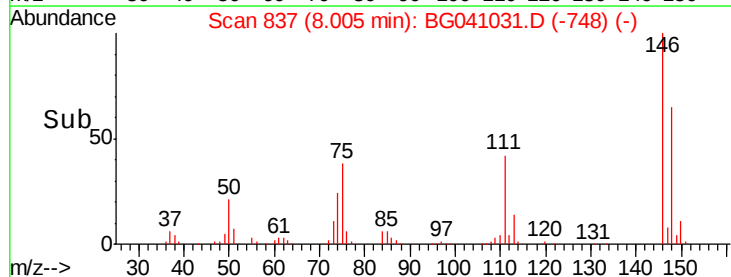
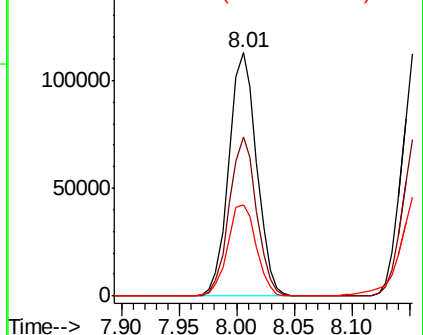


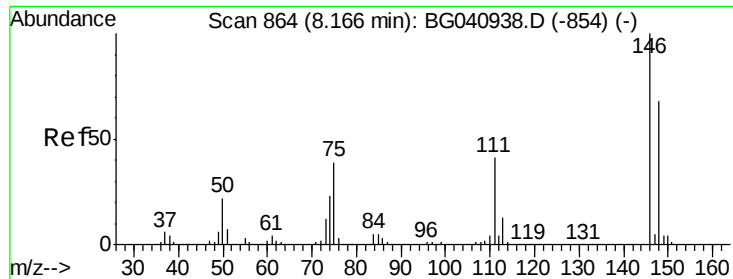
#12
 1,3-Dichlorobenzene
 Concen: 40.322 ng
 RT: 8.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BG041031.D
 Acq: 3 Jun 2019 13:05

Tgt Ion	146	Resp	188537
Ion Ratio	Lower	Upper	
146	100		
148	65.4	49.2	73.8
75	37.6	29.4	44.0



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

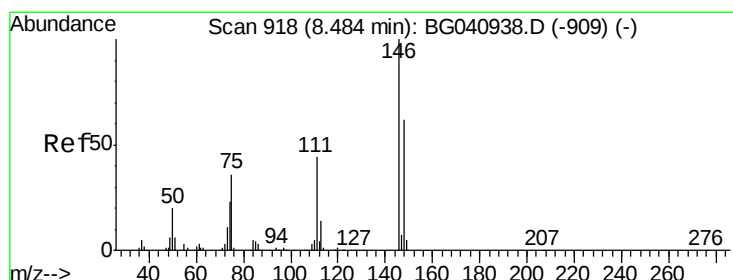
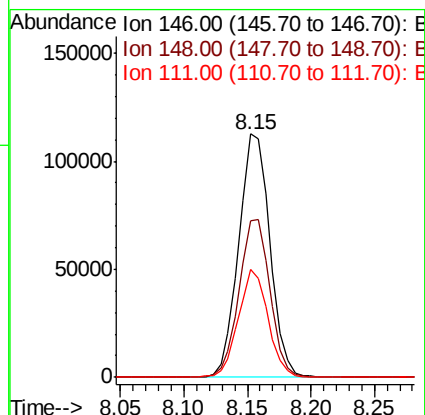
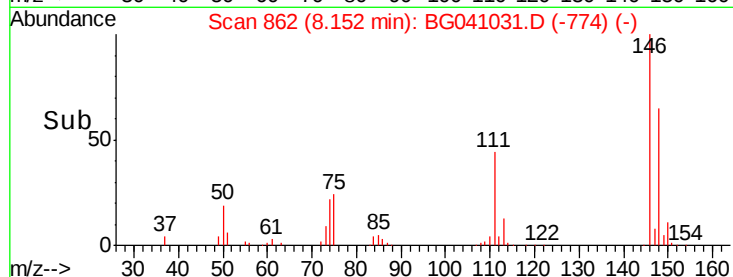
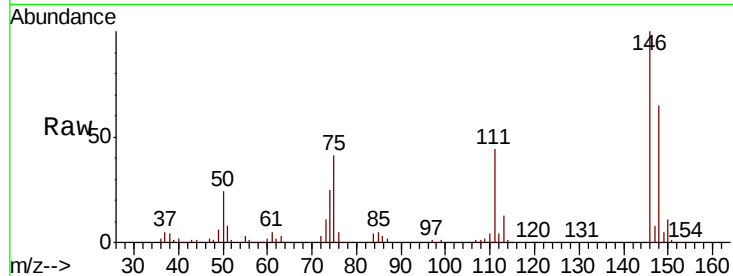




#13
 1,4-Dichlorobenzene
 Concen: 40.645 ng
 RT: 8.15 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: BG041031.D
 Acq: 3 Jun 2019 13:05

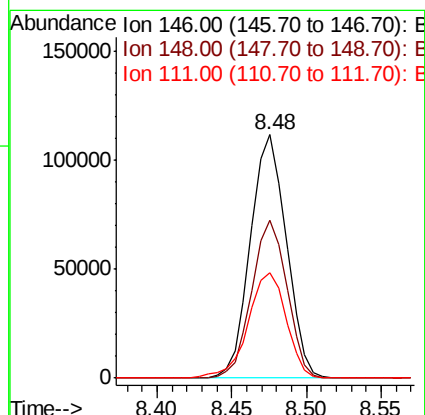
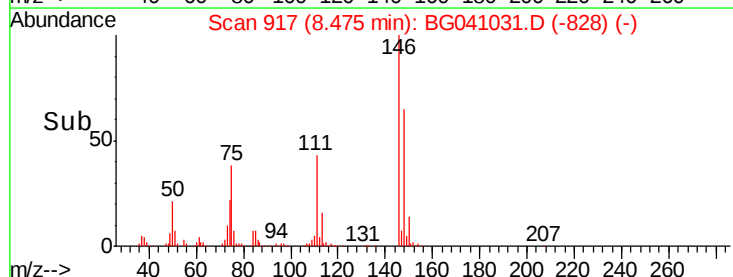
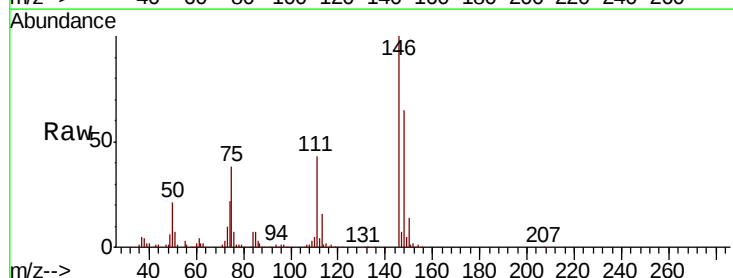
Instrument :
 BNA_G
 ClientSampleId :
 FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.5	54.2	81.4
111	44.4	32.9	49.3



#14
 1,2-Dichlorobenzene
 Concen: 40.538 ng
 RT: 8.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BG041031.D
 Acq: 3 Jun 2019 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	49.8	74.6
111	43.4	35.0	52.4





#15

Benzyl Alcohol

Concen: 44.298 ng

RT: 8.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

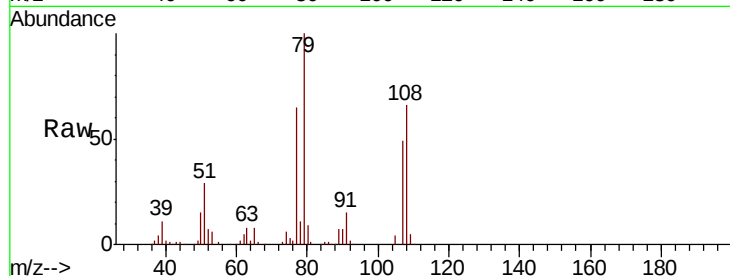
Tot Ion: 79 Resp: 207818

Ion Ratio Lower Upper

79 100

108 66.3 48.3 72.5

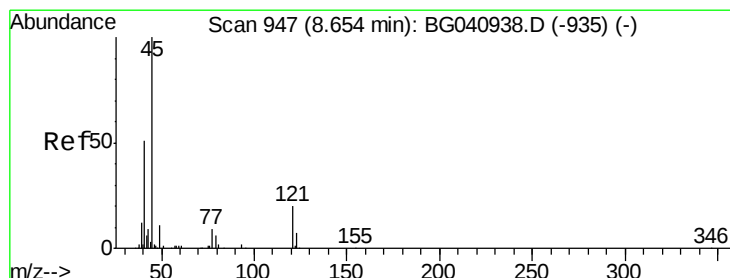
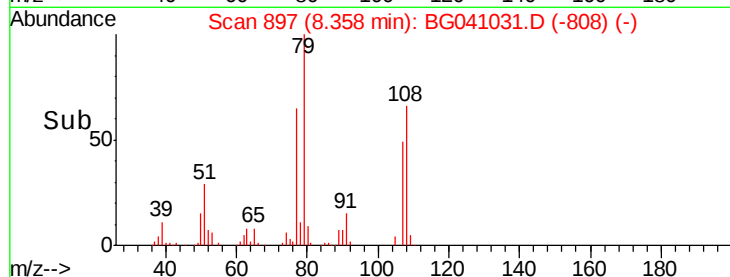
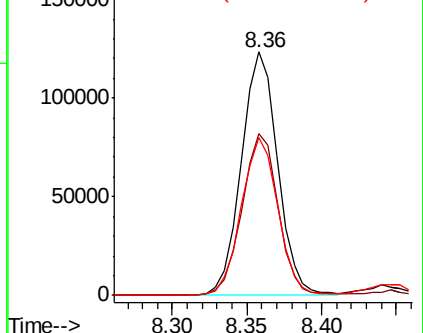
77 65.1 52.3 78.5



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.764 ng

RT: 8.64 min Scan# 945

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

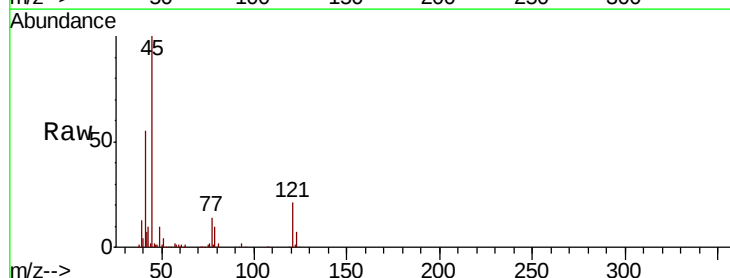
Tgt Ion: 45 Resp: 262763

Ion Ratio Lower Upper

45 100

77 13.9 0.0 33.7

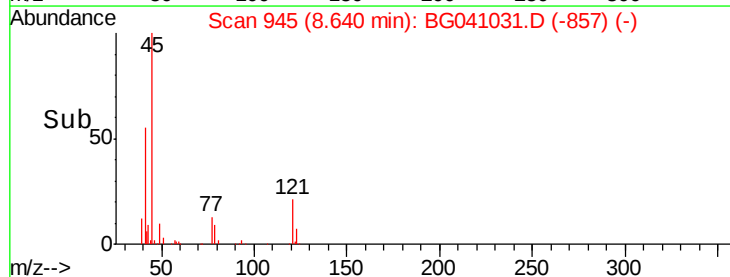
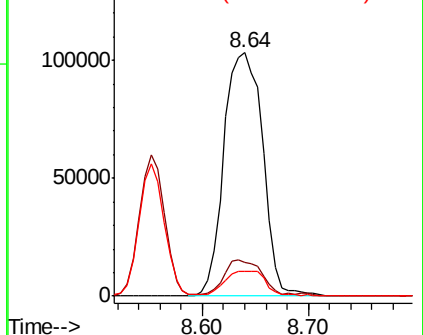
79 10.2 0.0 30.2

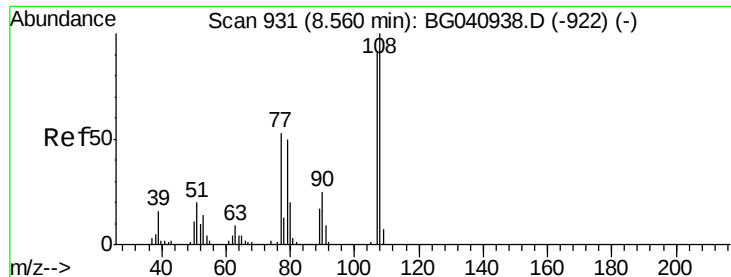


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

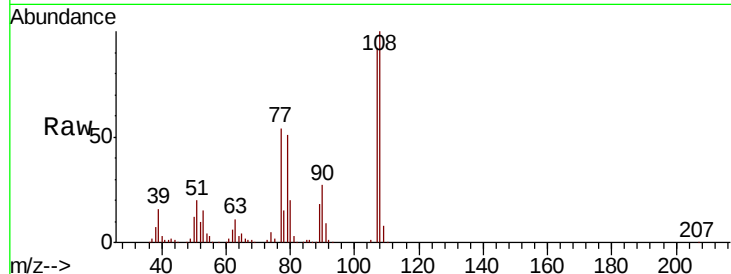




#17
2-Methylphenol
Concen: 42.928 ng
RT: 8.55 min Scan# 930
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	108.3	87.7	131.5
77	58.3	46.6	70.0
79	54.7	44.6	66.8



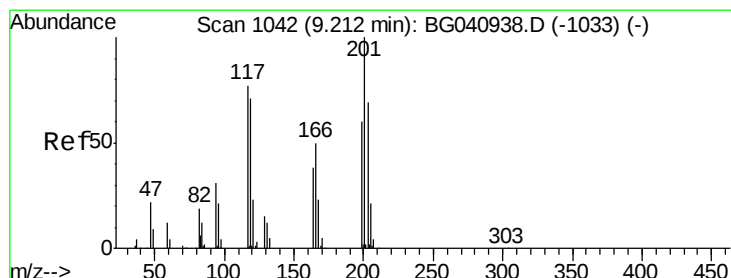
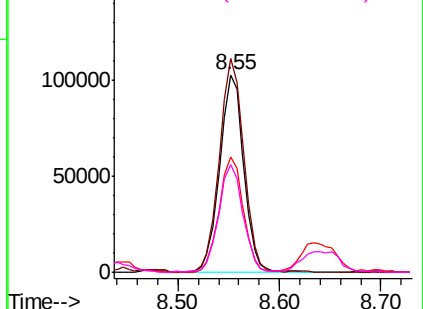
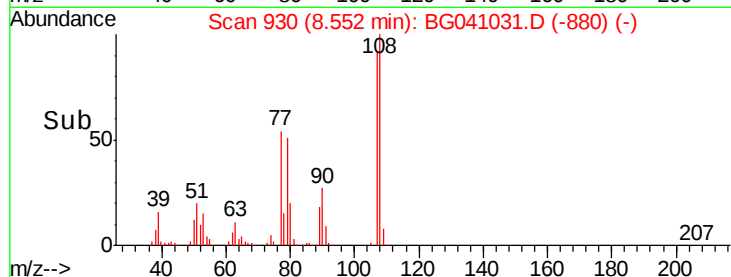
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

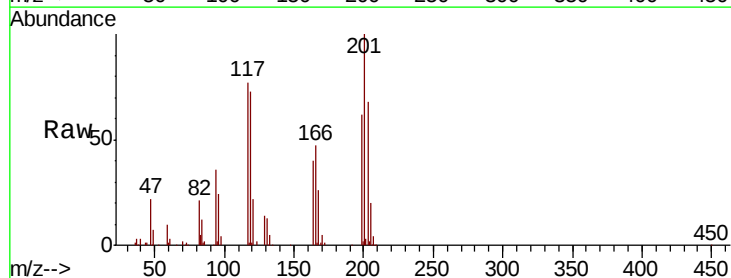
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18
Hexachloroethane
Concen: 41.201 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.0	112.6
201	130.2	103.5	155.3

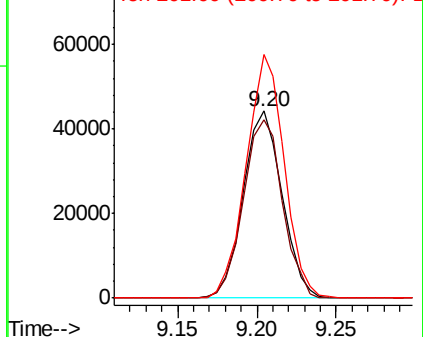
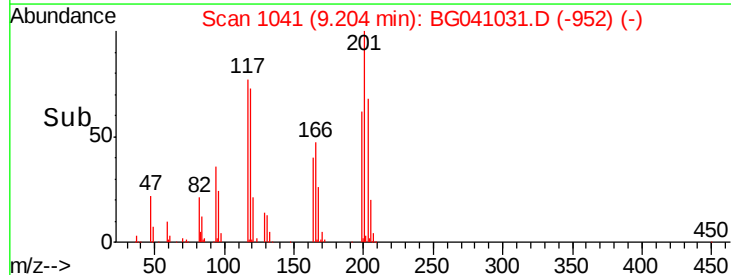


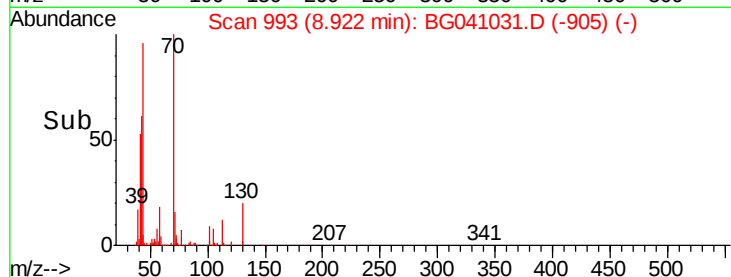
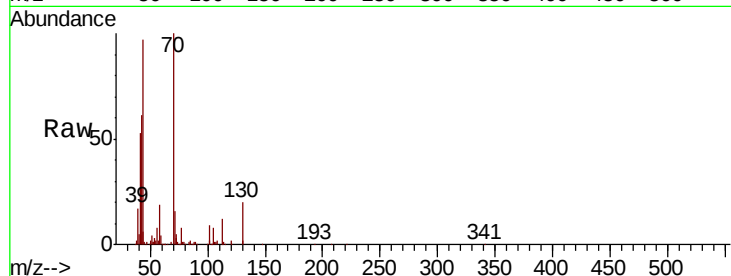
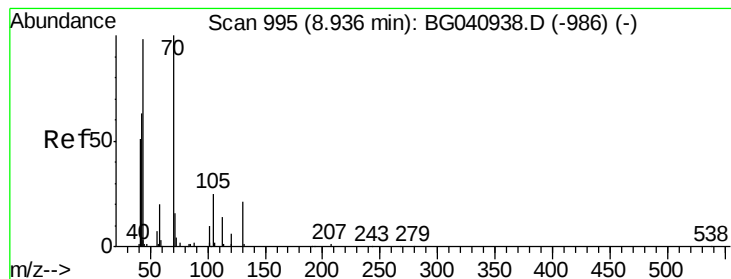
Abundance

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: 40.968 ng

RT: 8.92 min Scan# 993

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 70 Resp: 159890

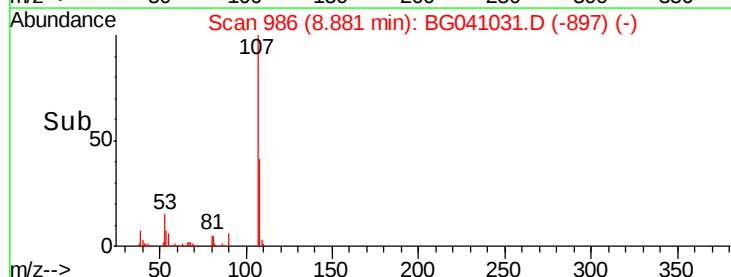
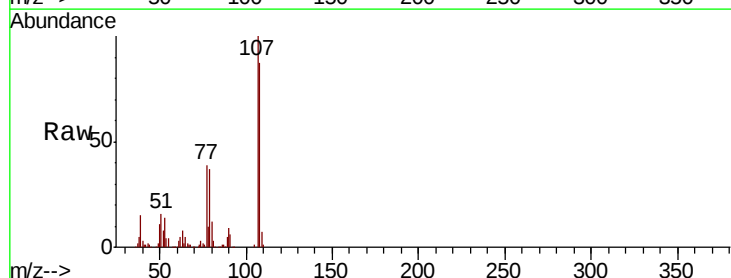
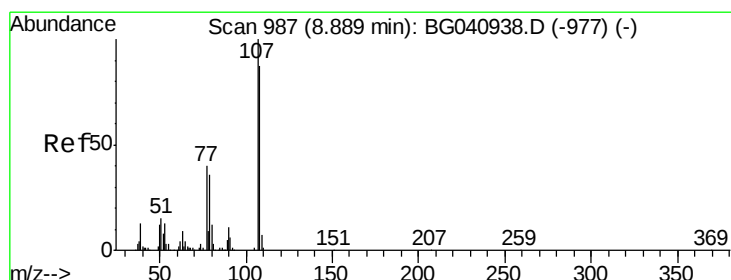
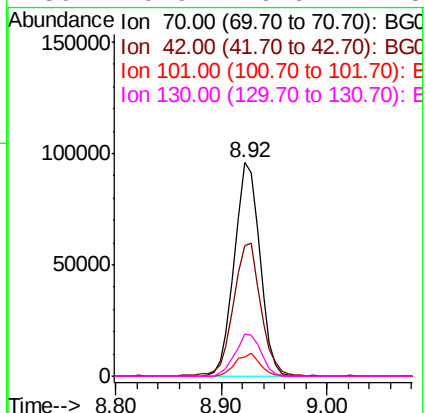
Ion Ratio Lower Upper

70 100

42 61.2 51.5 77.3

101 8.8 8.1 12.1

130 19.9 16.6 24.8



#20

3+4-Methylphenols

Concen: 42.292 ng

RT: 8.88 min Scan# 986

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Tgt Ion: 107 Resp: 230649

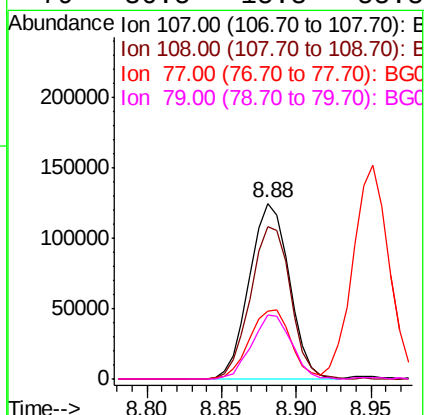
Ion Ratio Lower Upper

107 100

108 86.6 66.8 106.8

77 38.8 20.5 60.5

79 36.5 15.8 55.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.94 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion:136 Resp: 231820

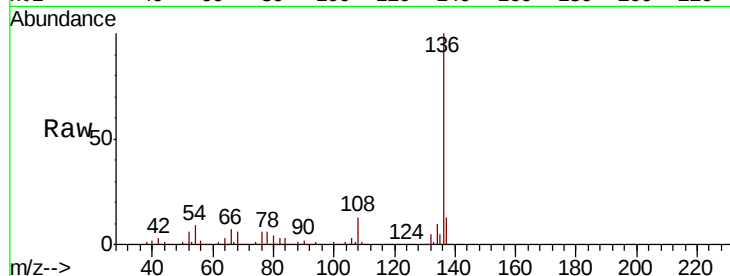
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 8.8 7.6 11.4

68 5.6 3.9 5.9

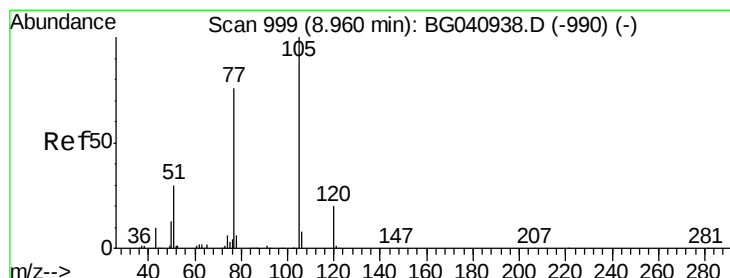
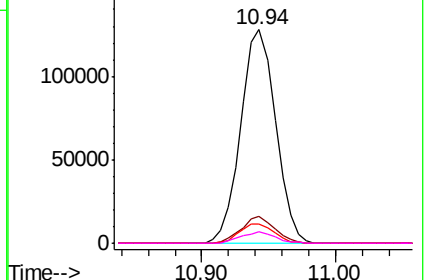
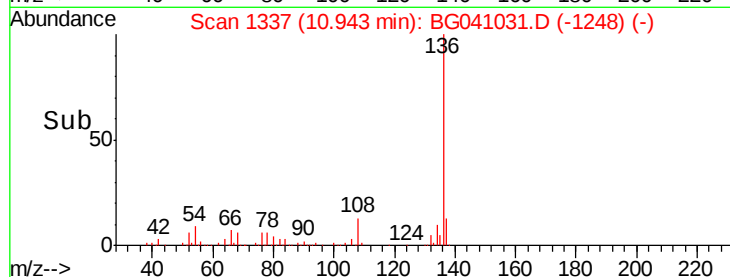


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 46.863 ng

RT: 8.95 min Scan# 998

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Tgt Ion:105 Resp: 304745

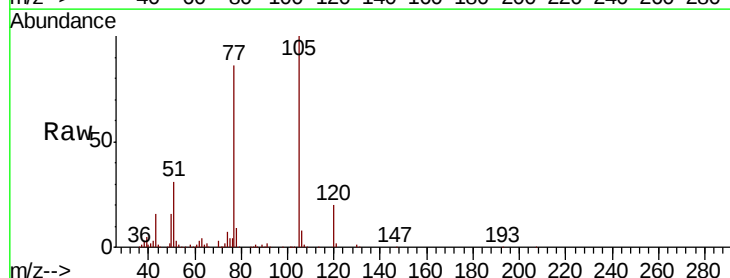
Ion Ratio Lower Upper

105 100

71 0.5 0.4 0.6

51 31.3 27.0 40.6

120 20.3 16.2 24.4

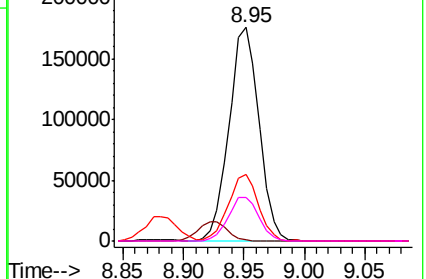
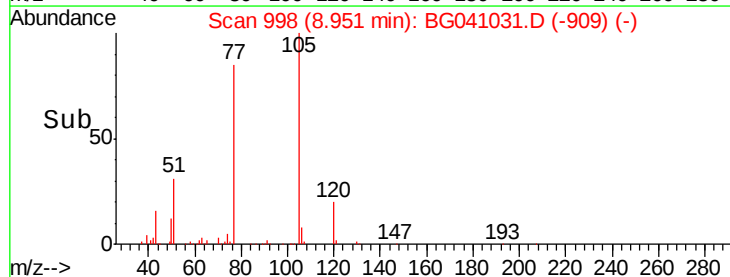


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

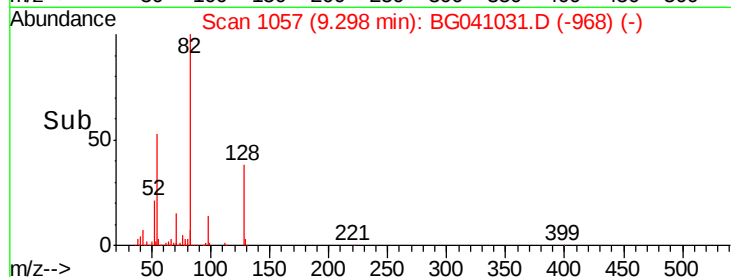
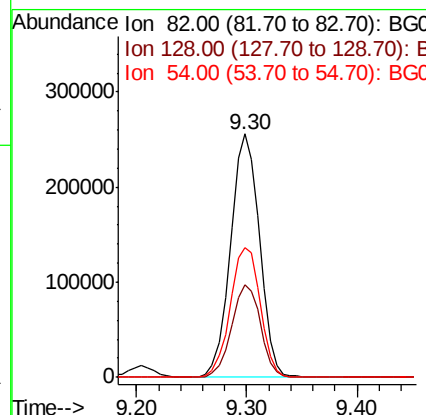
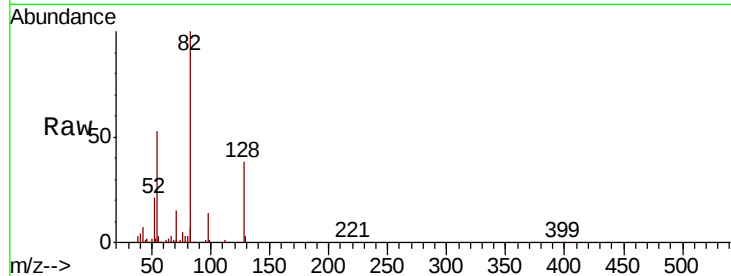




#23
Nitrobenzene-d5
Concen: 90.017 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

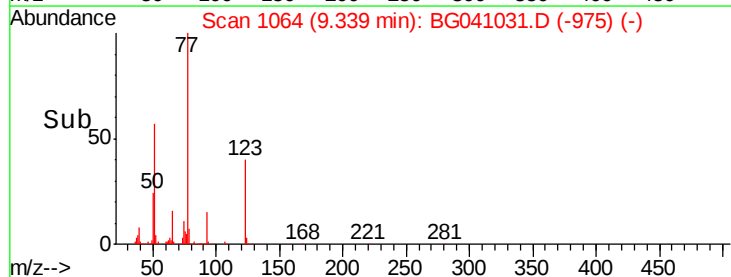
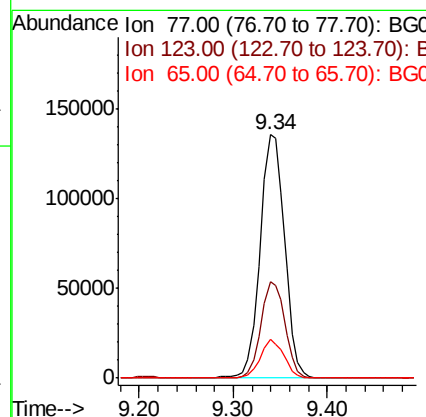
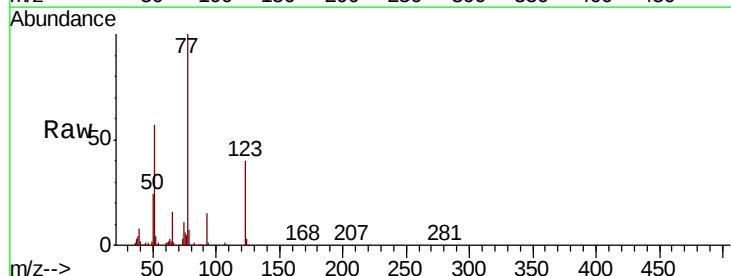
Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion	82	Resp	470061
Ion Ratio	Lower	Upper	
82	100		
128	38.2	30.5	45.7
54	53.4	44.6	66.8



#24
Nitrobenzene
Concen: 45.830 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion	77	Resp	243886
Ion Ratio	Lower	Upper	
77	100		
123	39.6	30.6	46.0
65	15.9	12.3	18.5





#25

Isophorone

Concen: 45.350 ng

RT: 9.86 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

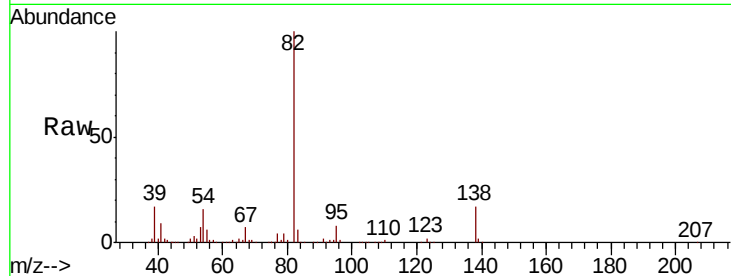
Tot Ion: 82 Resp: 450672

Ion Ratio Lower Upper

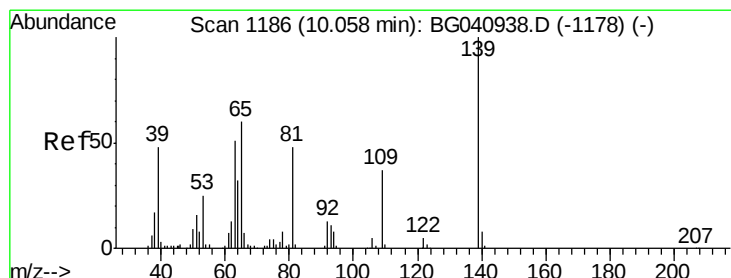
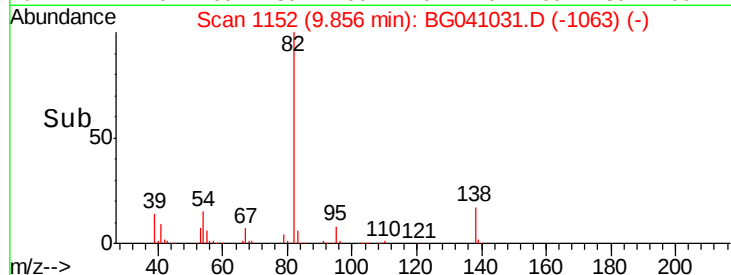
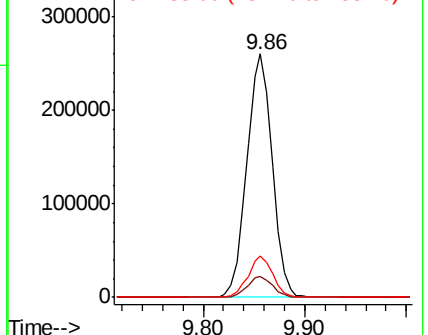
82 100

95 8.4 7.0 10.4

138 17.1 12.6 19.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 49.733 ng

RT: 10.05 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

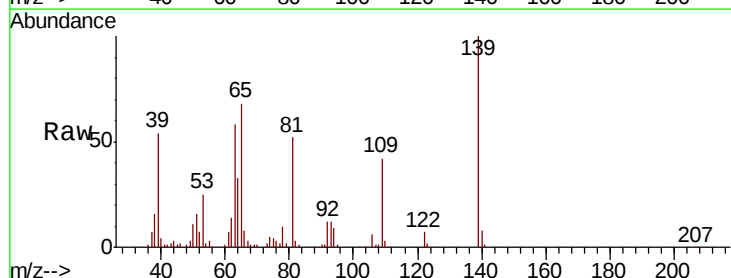
Tgt Ion: 139 Resp: 109105

Ion Ratio Lower Upper

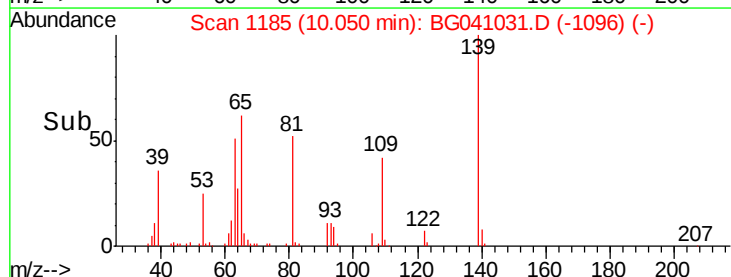
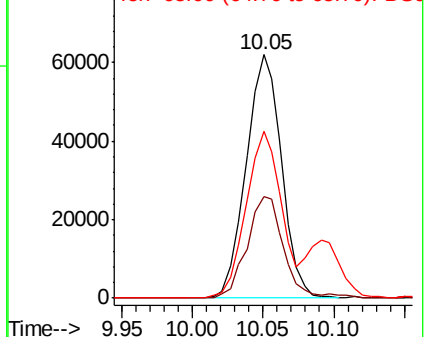
139 100

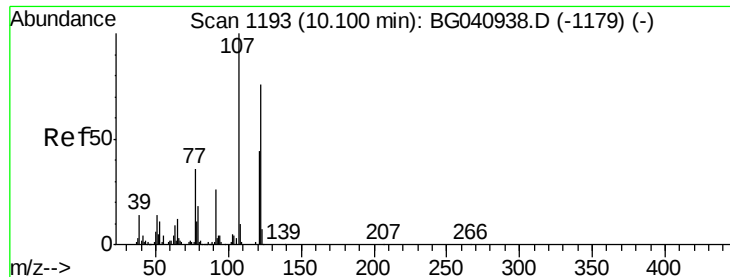
109 41.9 29.8 44.6

65 68.5 47.8 71.6



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#27

2,4-Dimethylphenol

Concen: 50.795 ng

RT: 10.09 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

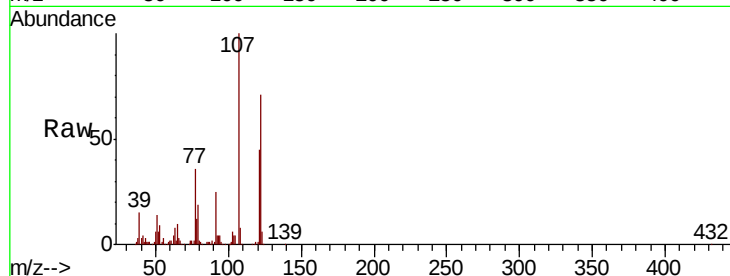
Tot Ion:122 Resp: 184041

Ion Ratio Lower Upper

122 100

107 141.1 105.9 158.9

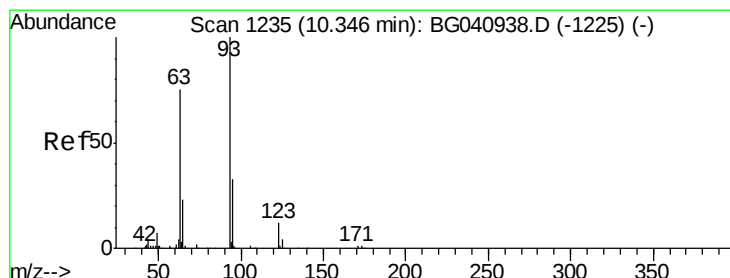
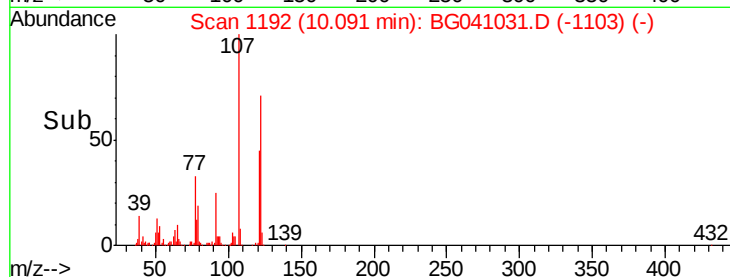
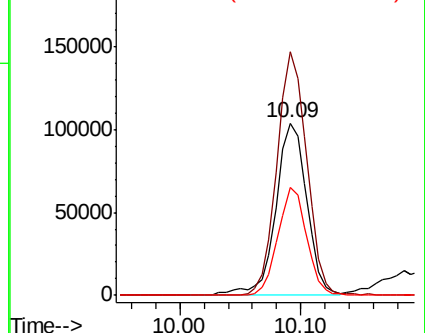
121 62.9 46.2 69.4



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: 44.840 ng

RT: 10.34 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

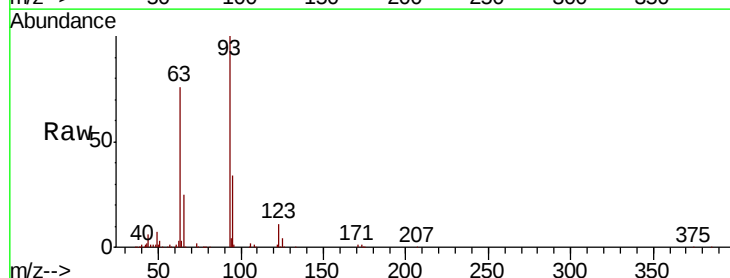
Tgt Ion: 93 Resp: 240507

Ion Ratio Lower Upper

93 100

95 33.6 26.2 39.2

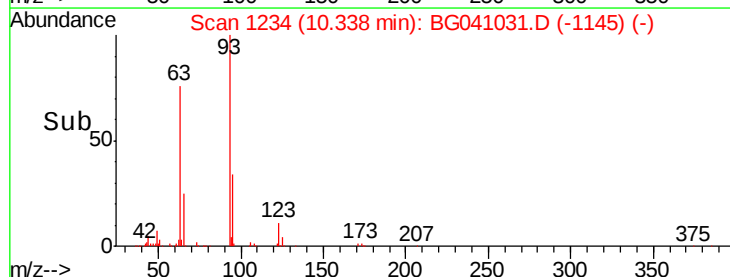
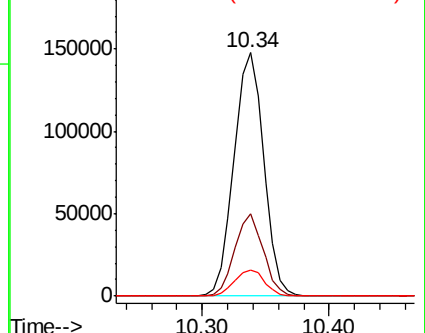
123 10.7 9.5 14.3

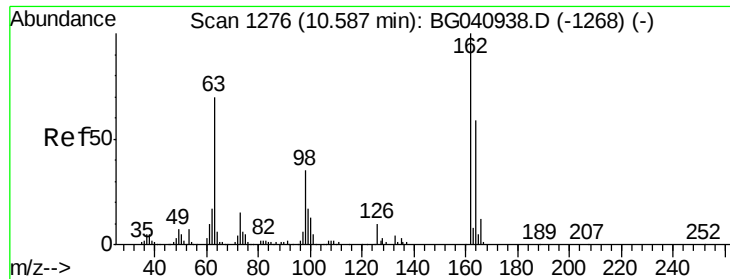


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

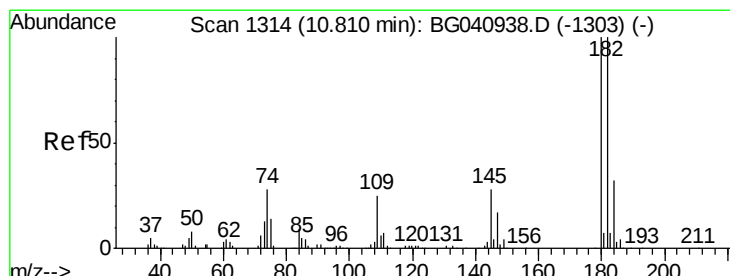
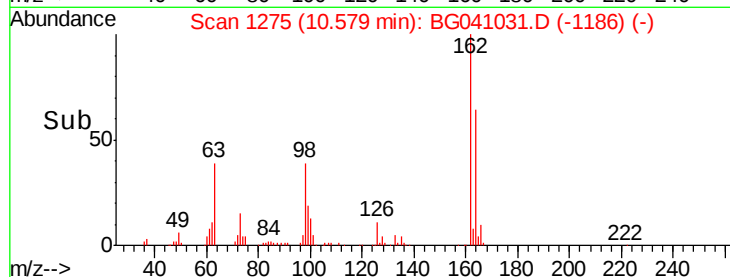
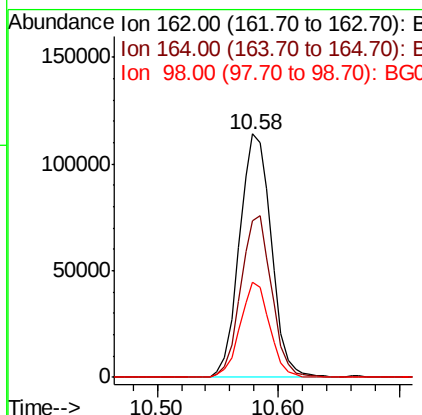
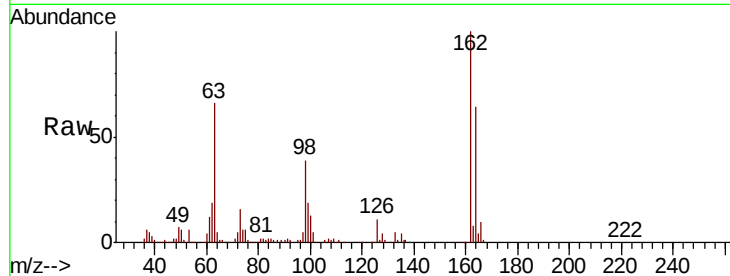




#29
2,4-Dichlorophenol
Concen: 45.531 ng
RT: 10.58 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

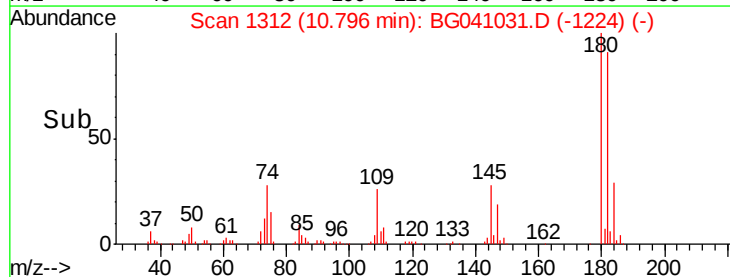
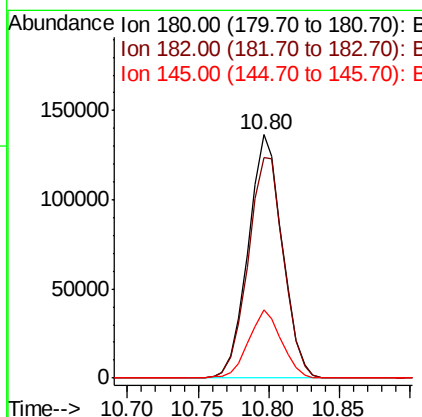
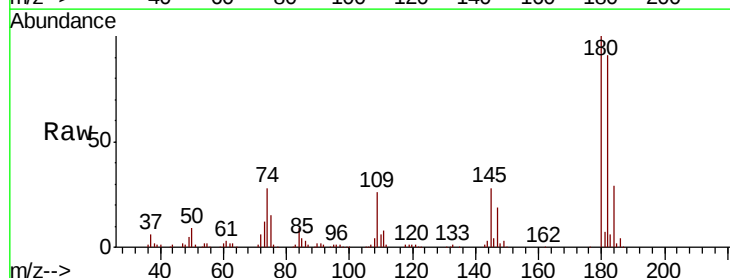
Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

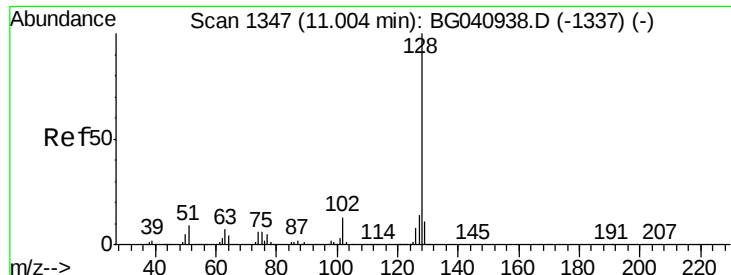
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.4	39.4	79.4
98	38.9	15.3	55.3



#30
1,2,4-Trichlorobenzene
Concen: 44.140 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.7	79.7	119.5
145	28.2	22.6	34.0

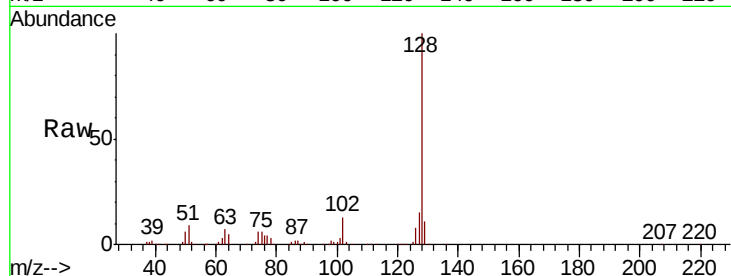




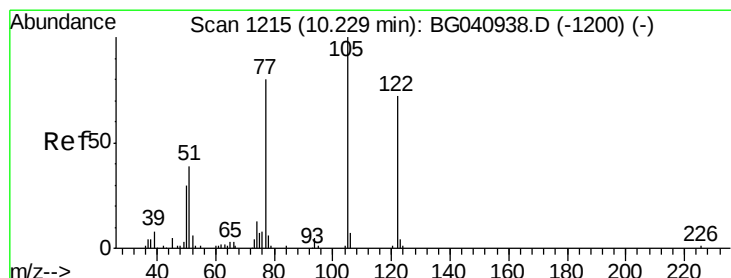
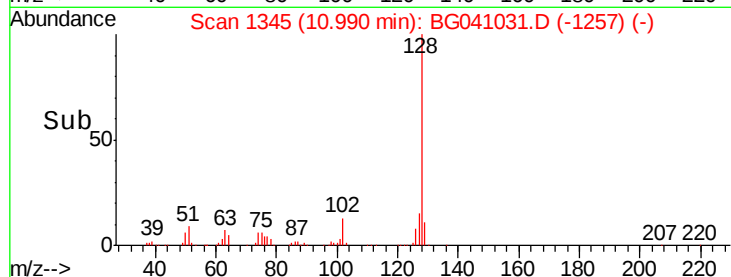
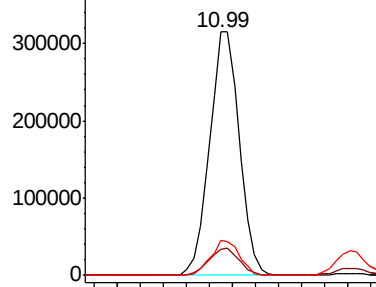
#31
Naphthalene
Concen: 45.264 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion:128 Resp: 563384
Ion Ratio Lower Upper
128 100
129 10.6 8.5 12.7
127 14.5 11.4 17.2

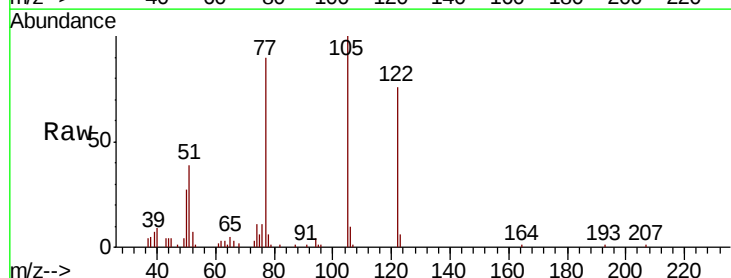


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

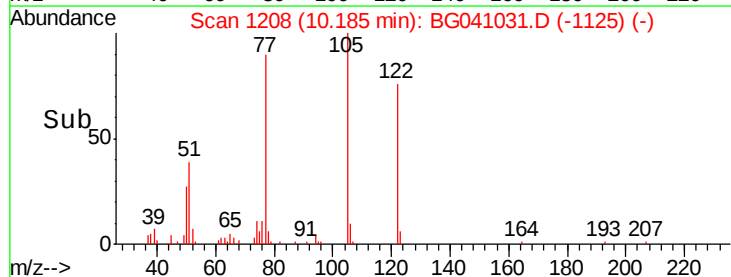
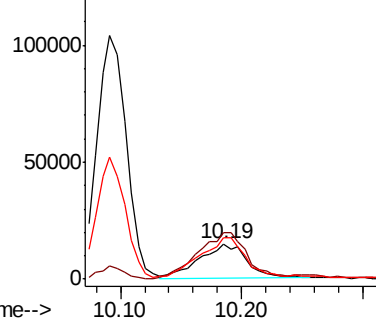


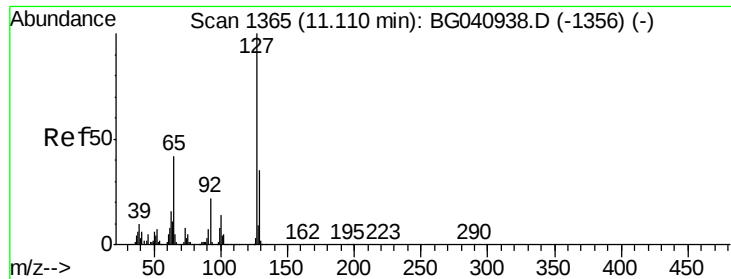
#32
Benzoic acid
Concen: 19.795 ng
RT: 10.19 min Scan# 1208
Delta R.T. -0.04 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion:122 Resp: 39566
Ion Ratio Lower Upper
122 100
105 131.7 114.8 154.8
77 117.9 89.9 129.9



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

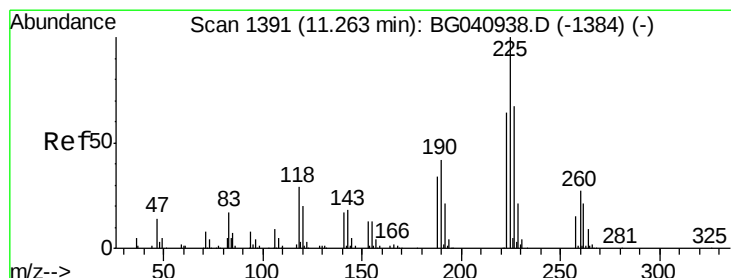
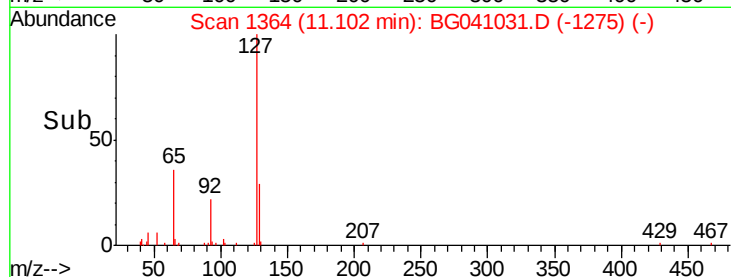
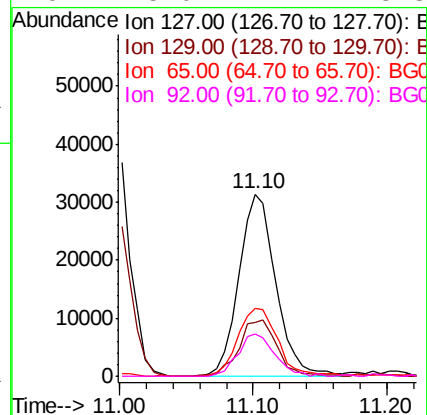
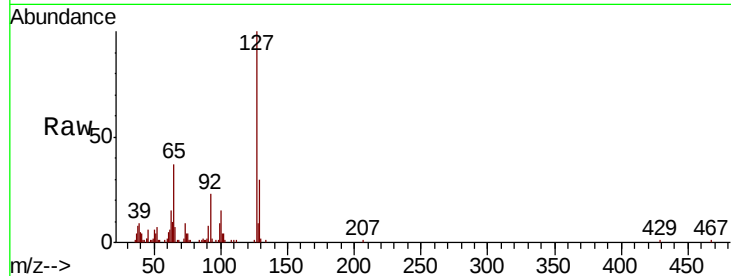




#33
4-Chloroaniline
Concen: 10.410 ng
RT: 11.10 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

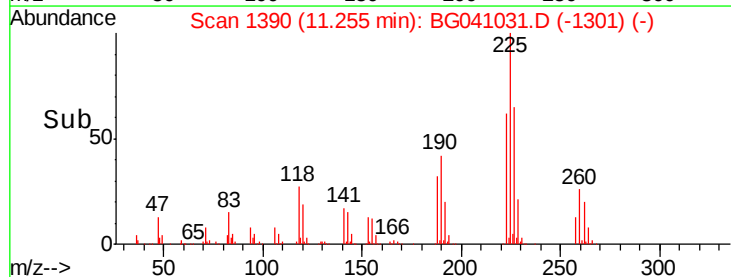
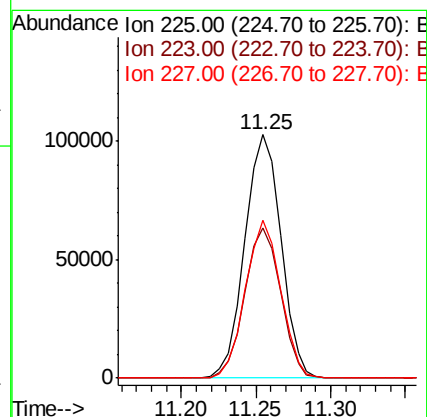
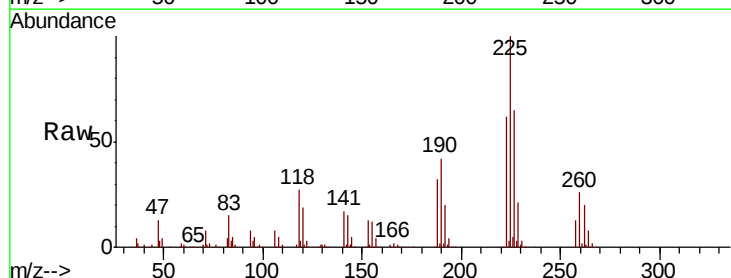
Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

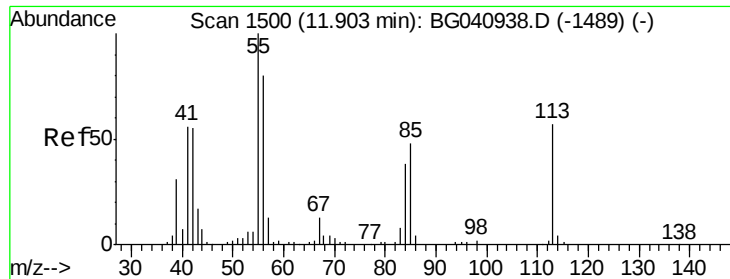
Tot Ion:	127	Resp:	60116
Ion	Ratio	Lower	Upper
127	100		
129	29.7	27.7	41.5
65	37.1	33.2	49.8
92	23.0	17.2	25.8



#34
Hexachlorobutadiene
Concen: 43.096 ng
RT: 11.25 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion:	225	Resp:	172595
Ion	Ratio	Lower	Upper
225	100		
223	61.8	48.8	73.2
227	64.8	51.4	77.0





#35

Caprolactam

Concen: 21.838 ng

RT: 11.89 min Scan# 1498

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

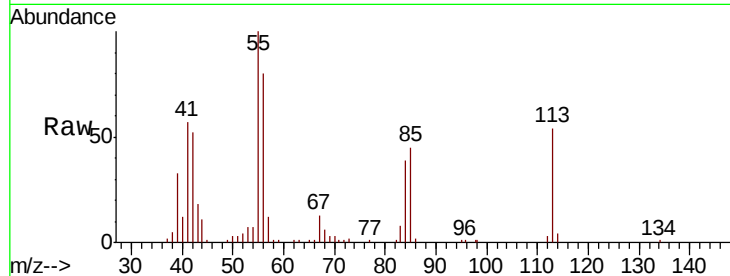
Tot Ion:113 Resp: 33180

Ion Ratio Lower Upper

113 100

55 183.5 155.9 195.9

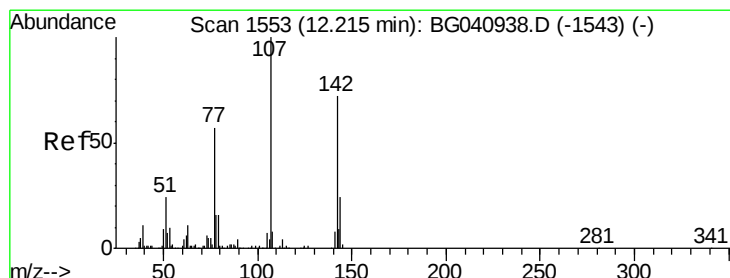
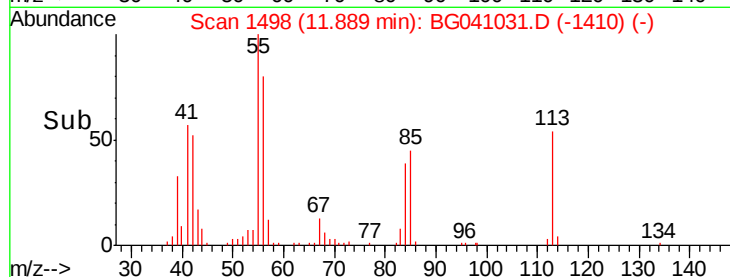
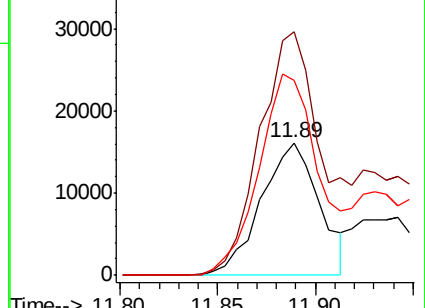
56 146.9 119.9 159.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 45.924 ng

RT: 12.21 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

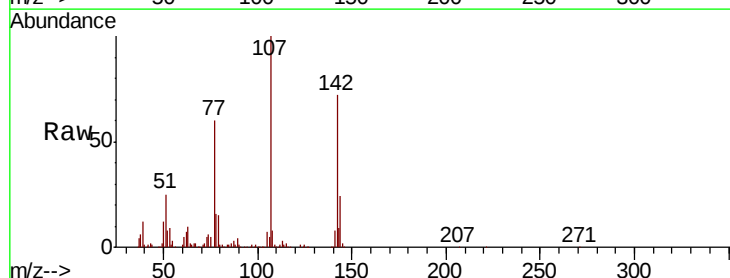
Tgt Ion:107 Resp: 241316

Ion Ratio Lower Upper

107 100

144 24.5 19.4 29.0

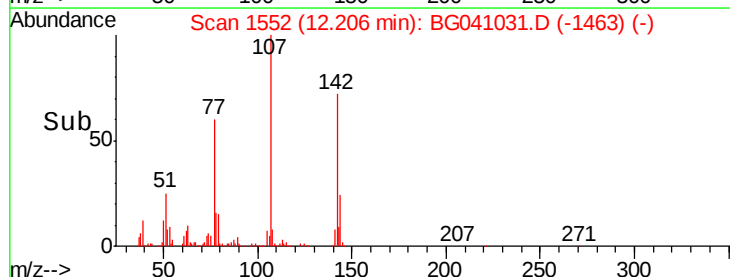
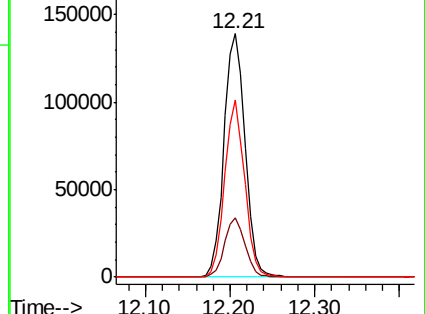
142 72.5 57.3 85.9

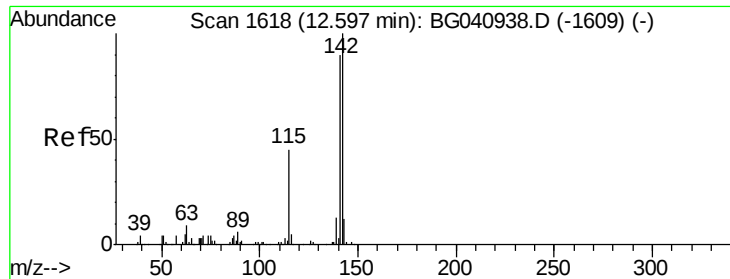


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

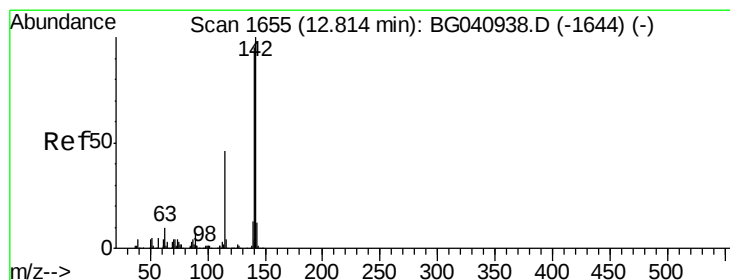
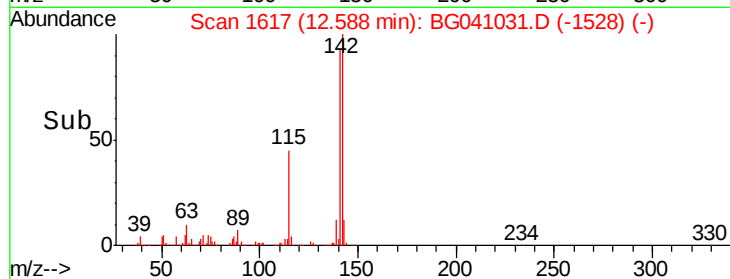
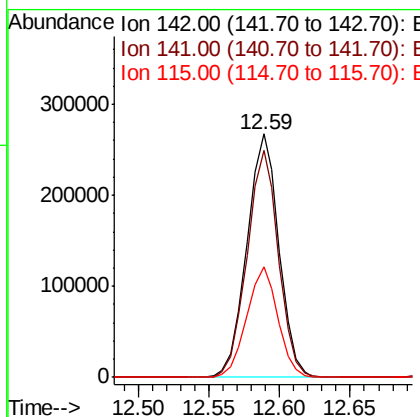
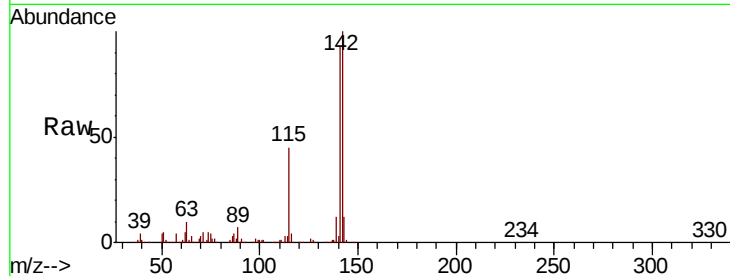




#37
2-Methylnaphthalene
Concen: 44.247 ng
RT: 12.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

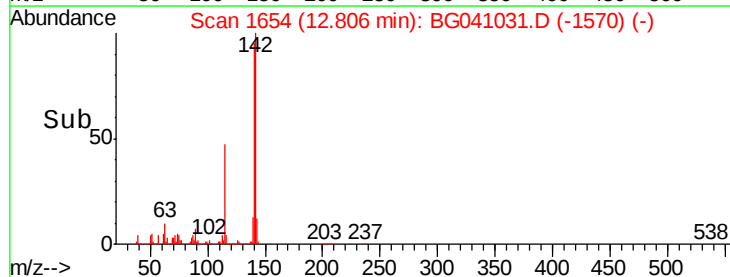
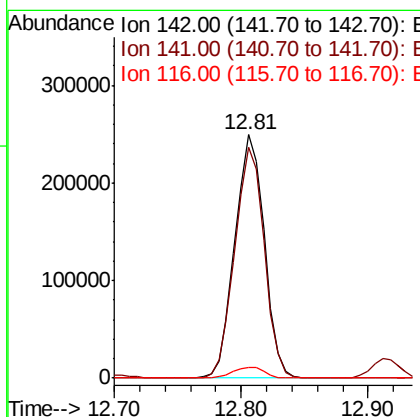
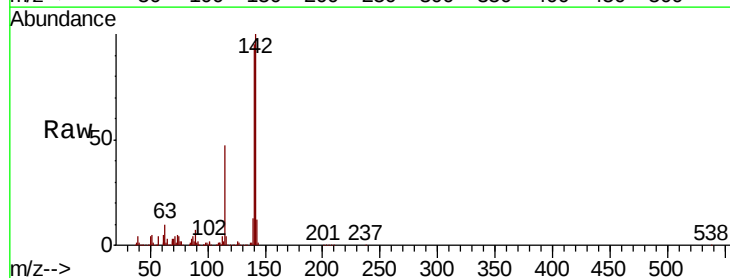
Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

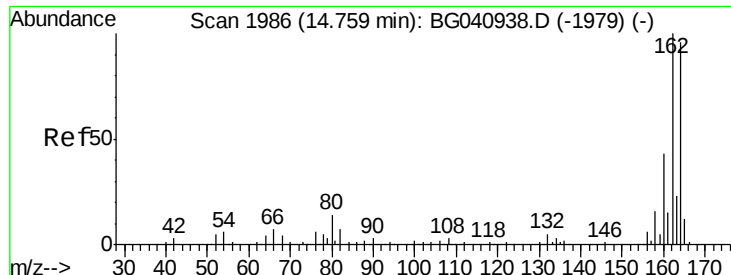
Tot Ion	Ratio	Lower	Upper
142	100		
141	93.3	72.2	108.4
115	45.5	36.2	54.4



#38
1-Methylnaphthalene
Concen: 44.379 ng
RT: 12.81 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.0	75.7	113.5
116	4.4	3.4	5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

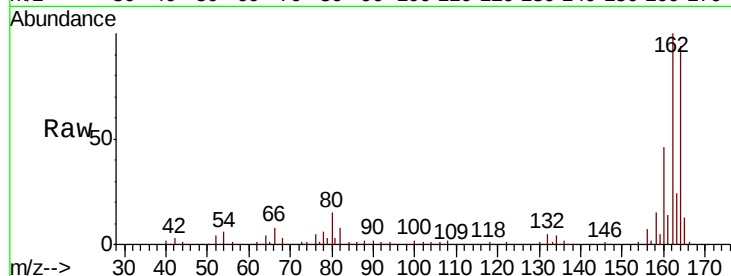
Tot Ion:164 Resp: 168110

Ion Ratio Lower Upper

164 100

162 106.0 83.0 124.4

160 48.9 35.6 53.4

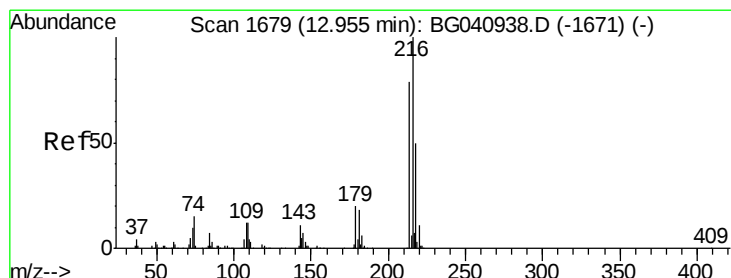
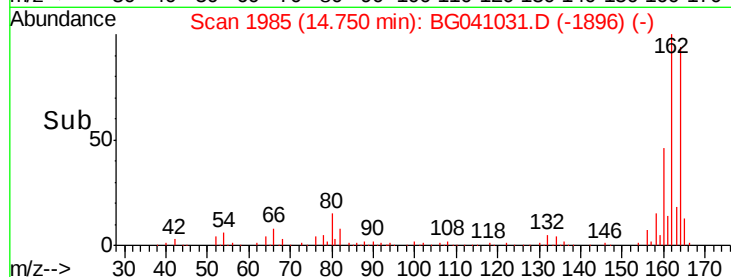
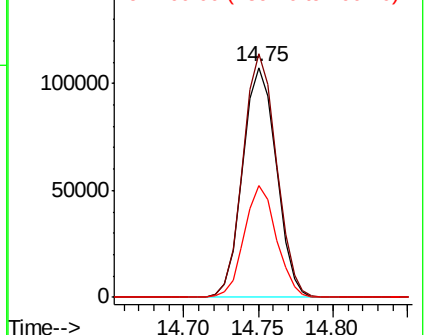


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.744 ng

RT: 12.95 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Tgt Ion:216 Resp: 309951

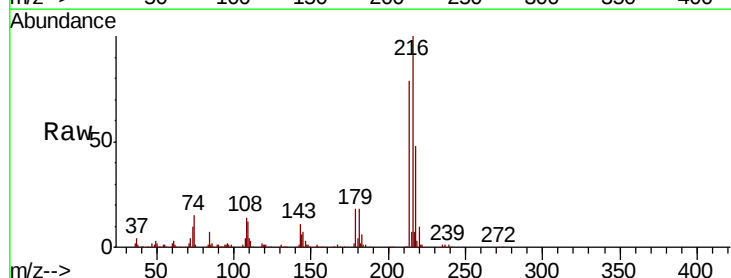
Ion Ratio Lower Upper

216 100

214 80.1 63.4 95.2

179 19.2 15.2 22.8

108 16.8 11.4 17.2



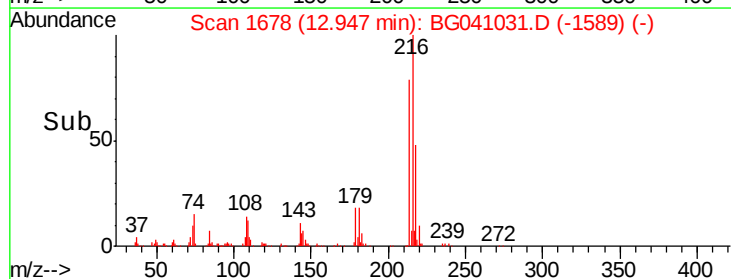
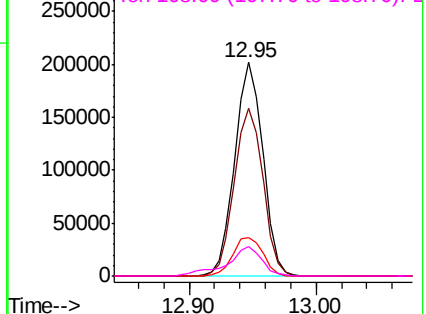
Abundance

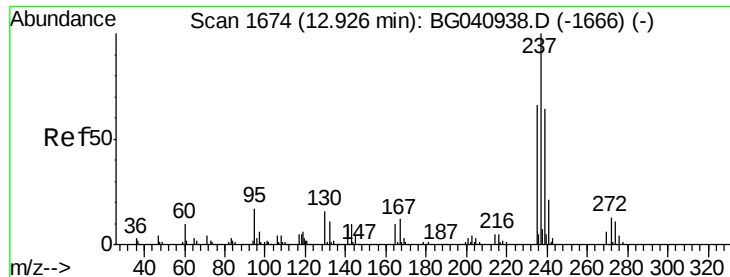
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 90.621 ng

RT: 12.92 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

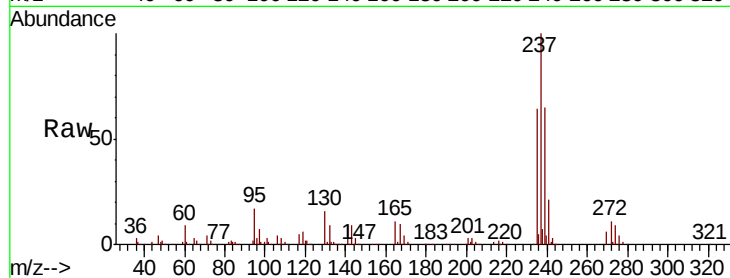
Tot Ion:237 Resp: 334505

Ion Ratio Lower Upper

237 100

235 64.3 45.5 85.5

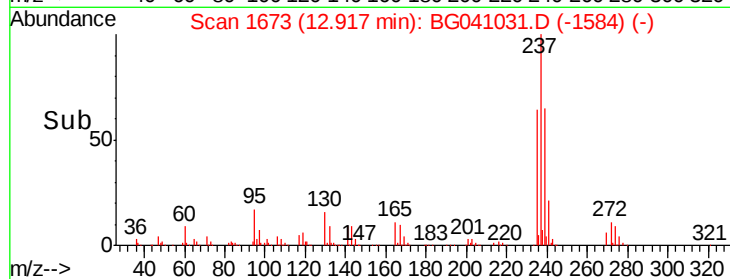
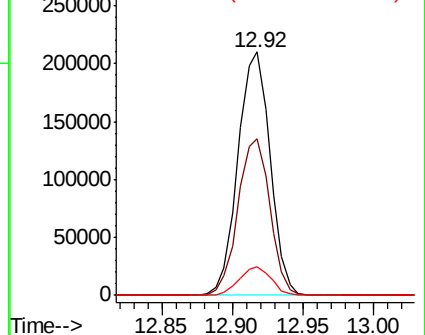
272 11.5 0.0 32.9



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: 140.846 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

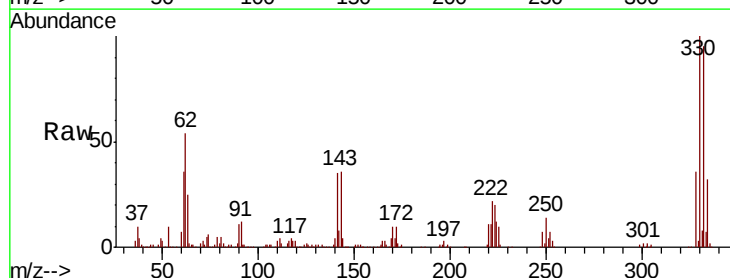
Tgt Ion:330 Resp: 351512

Ion Ratio Lower Upper

330 100

332 96.2 78.5 117.7

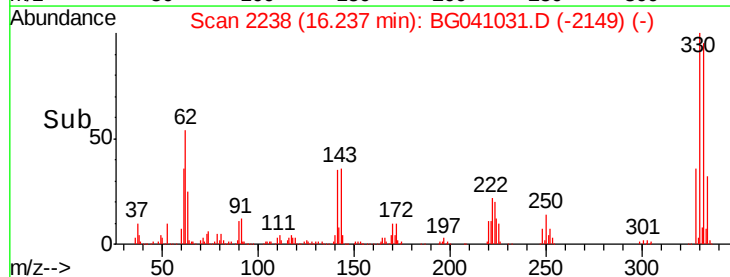
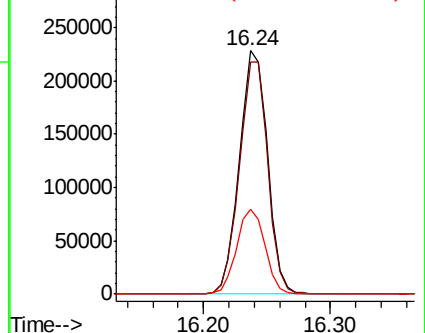
141 35.0 28.7 43.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

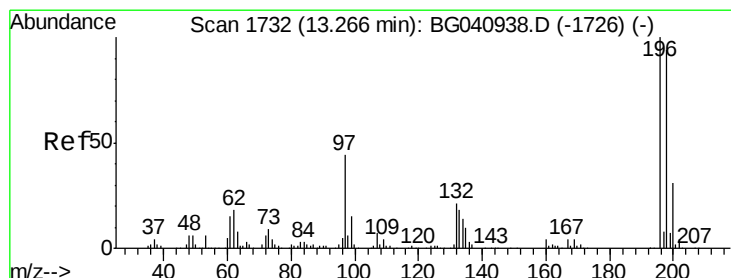
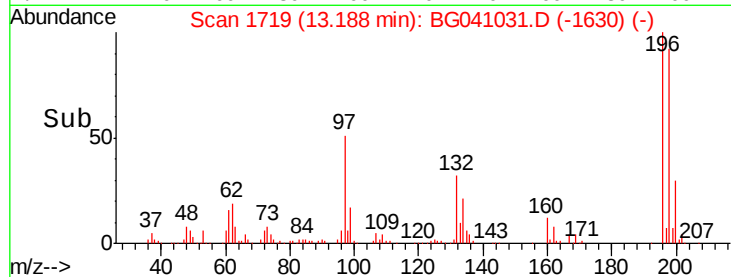
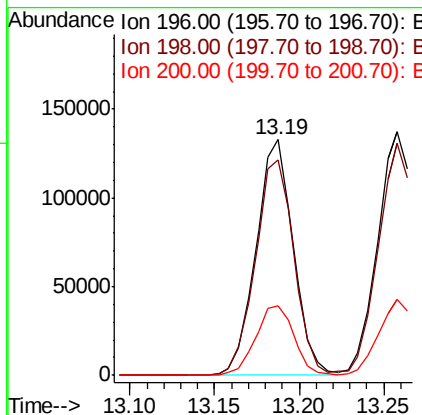
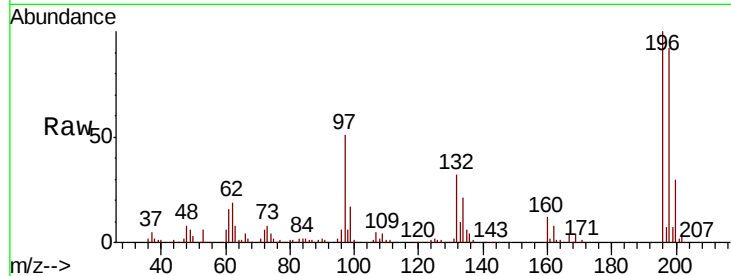




#43
 2,4,6-Trichlorophenol
 Concen: 46.604 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.01 min
 Lab File: BG041031.D
 Acq: 3 Jun 2019 13:05

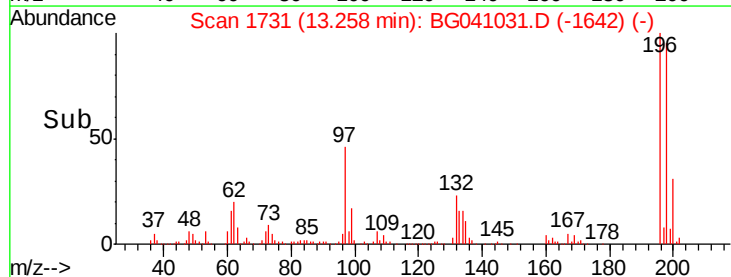
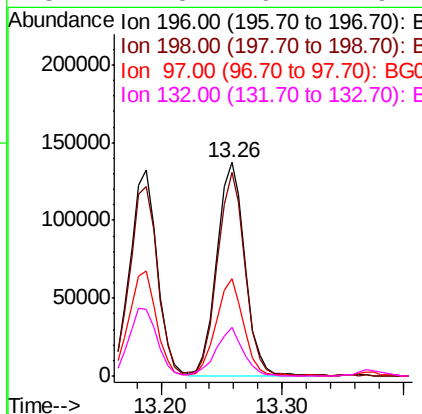
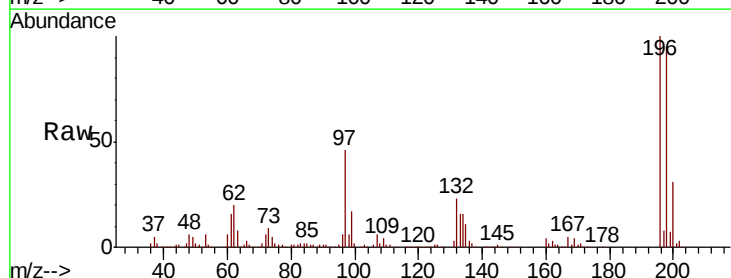
Instrument :
 BNA_G
 ClientSampleId :
 FESB-23(3-3.5)MSD

Tot Ion:196 Resp: 204281
 Ion Ratio Lower Upper
 196 100
 198 91.7 73.8 110.6
 200 29.5 24.1 36.1



#44
 2,4,5-Trichlorophenol
 Concen: 47.339 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG041031.D
 Acq: 3 Jun 2019 13:05

Tgt Ion:196 Resp: 218840
 Ion Ratio Lower Upper
 196 100
 198 95.4 75.1 112.7
 97 45.6 35.6 53.4
 132 22.8 16.7 25.1

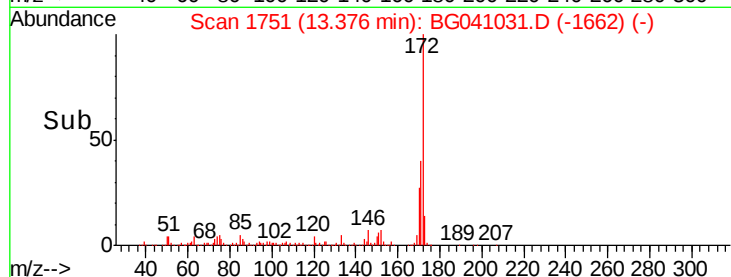
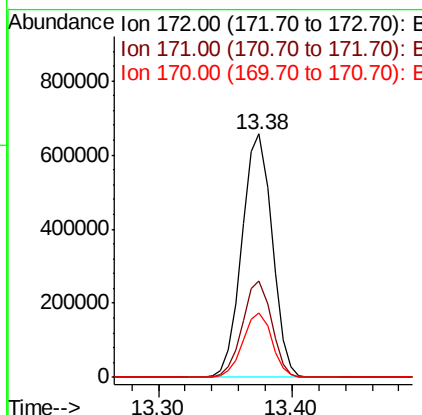
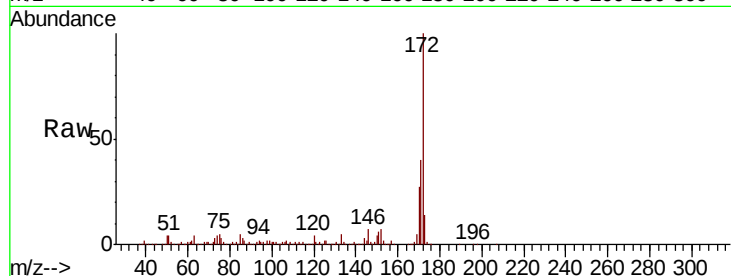




#45
2-Fluorobiphenyl
Concen: 87.601 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

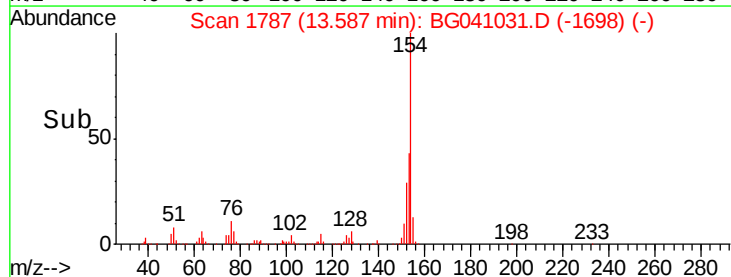
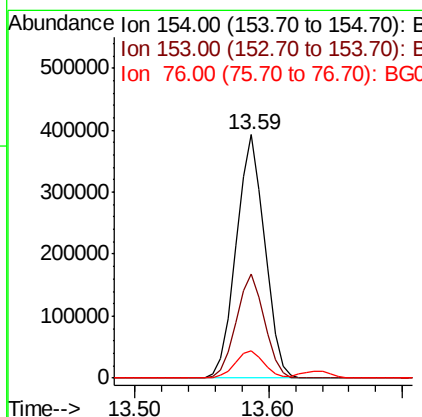
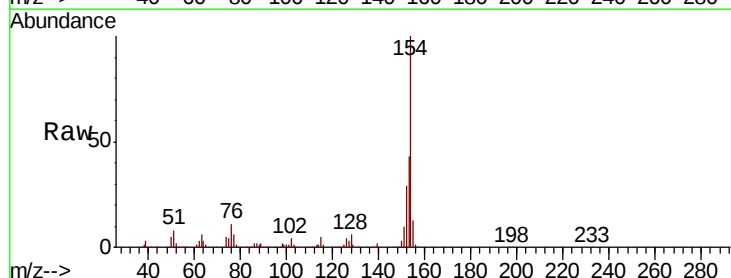
Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

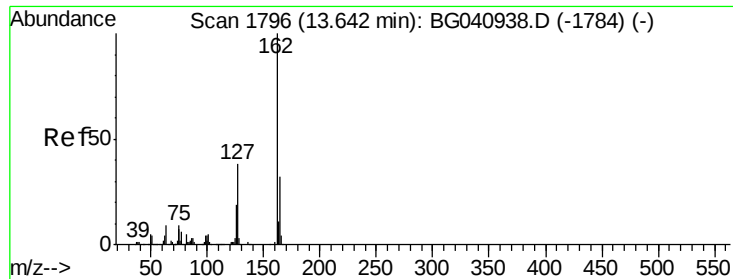
Tot Ion:172 Resp: 1022607
Ion Ratio Lower Upper
172 100
171 39.8 31.1 46.7
170 26.5 20.5 30.7



#46
1,1'-Biphenyl
Concen: 46.567 ng
RT: 13.59 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion:154 Resp: 579468
Ion Ratio Lower Upper
154 100
153 42.9 23.3 63.3
76 11.2 0.0 31.1





#47

2-Chloronaphthalene

Concen: 44.115 ng

RT: 13.63 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

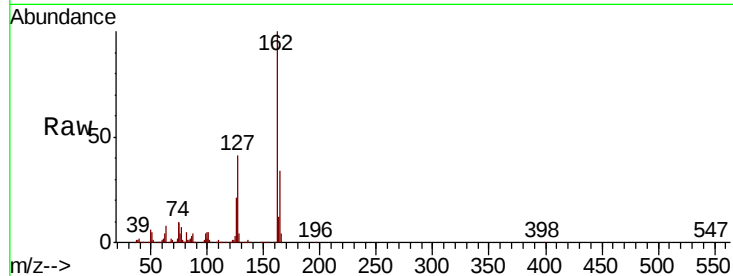
Tot Ion:162 Resp: 471277

Ion Ratio Lower Upper

162 100

127 40.6 30.5 45.7

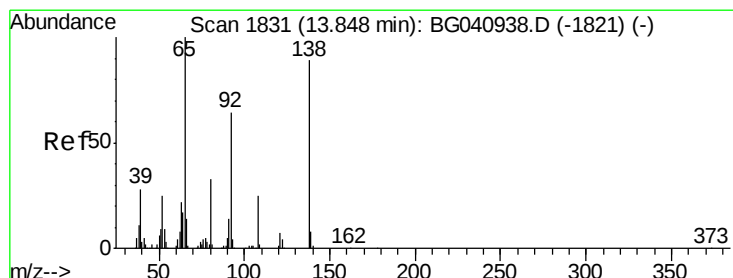
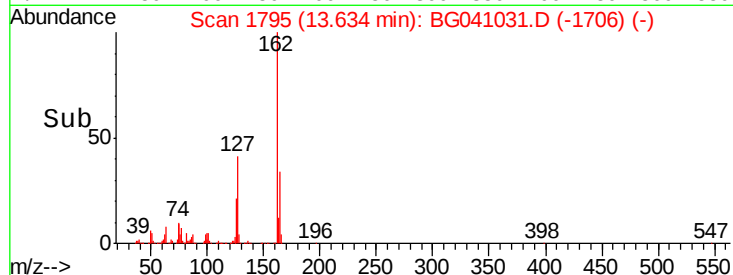
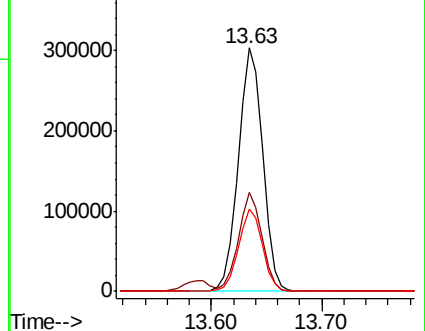
164 33.9 25.8 38.6



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: 46.025 ng

RT: 13.84 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

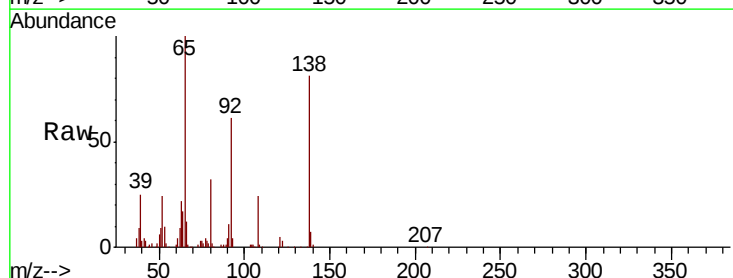
Tgt Ion: 65 Resp: 176388

Ion Ratio Lower Upper

65 100

92 61.2 51.0 76.6

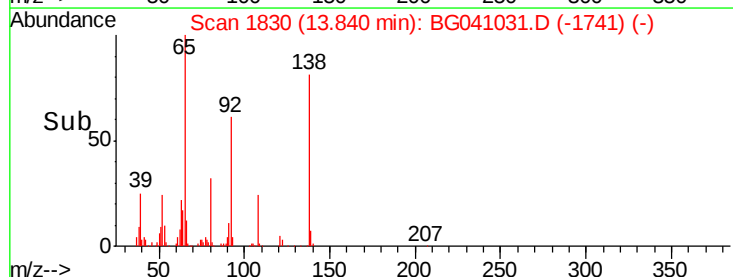
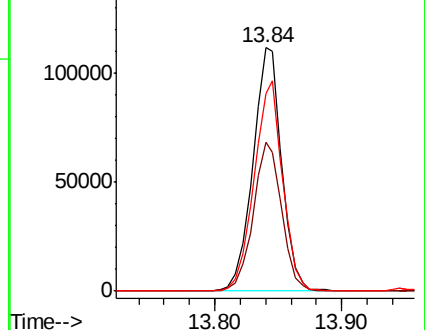
138 81.3 71.2 106.8

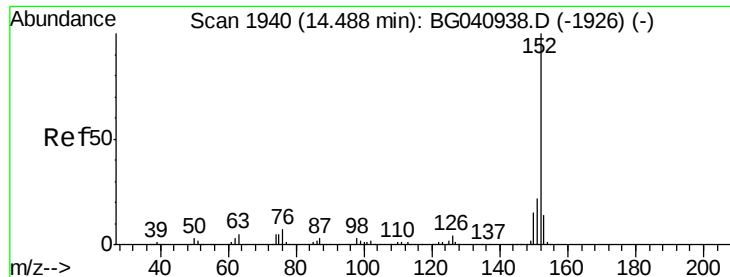


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.219 ng

RT: 14.48 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

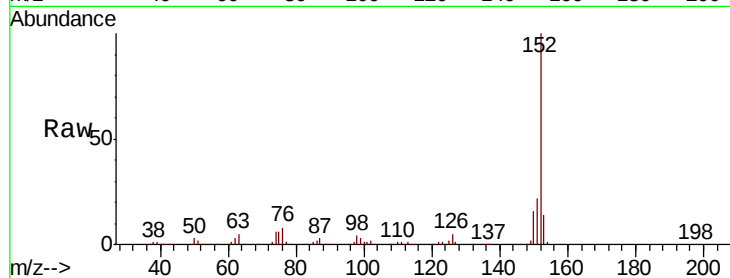
Tot Ion:152 Resp: 727051

Ion Ratio Lower Upper

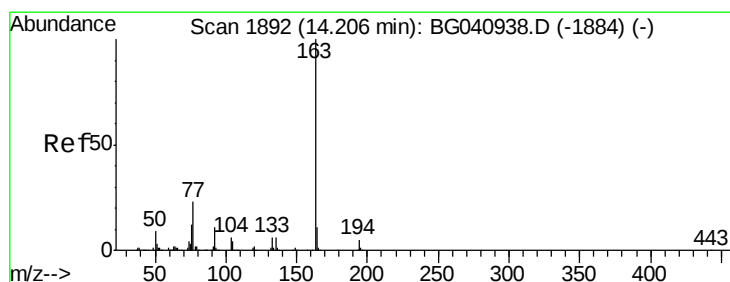
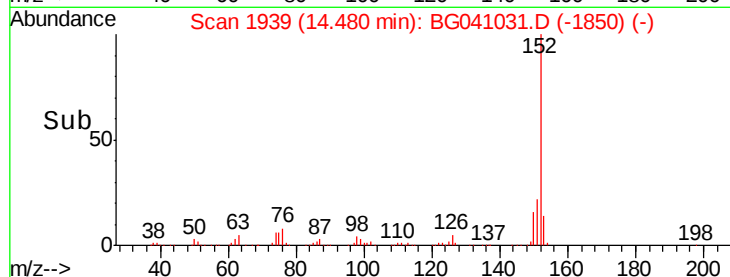
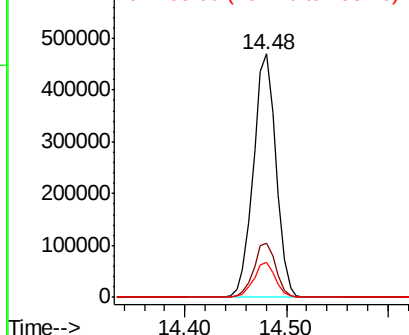
152 100

151 22.3 17.4 26.0

153 14.3 11.0 16.4



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



#50

Dimethylphthalate

Concen: 50.473 ng

RT: 14.20 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

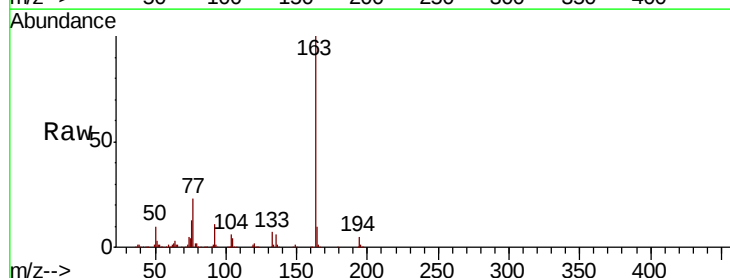
Tgt Ion:163 Resp: 718262

Ion Ratio Lower Upper

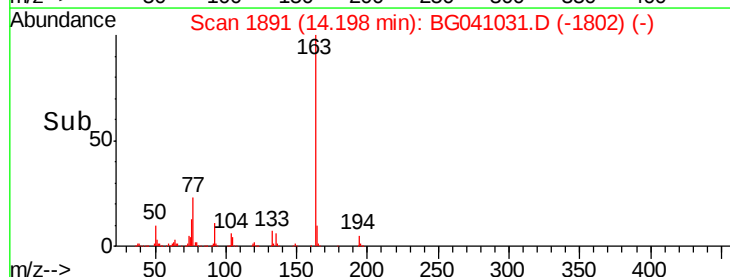
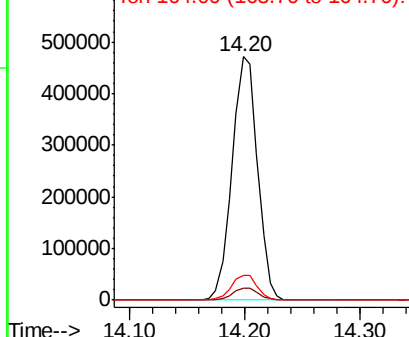
163 100

194 4.7 3.8 5.8

164 10.3 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 46.573 ng

RT: 14.33 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

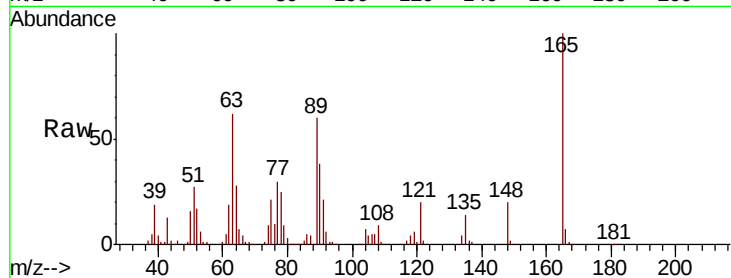
Tot Ion:165 Resp: 142897

Ion Ratio Lower Upper

165 100

63 62.0 53.6 80.4

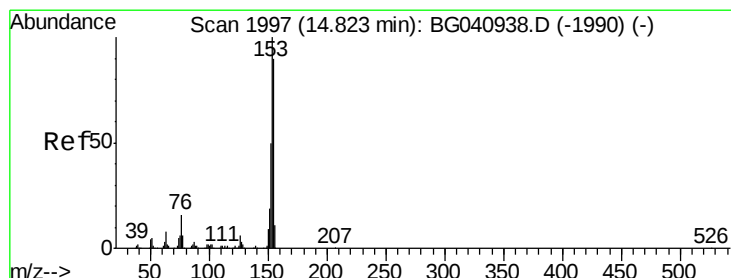
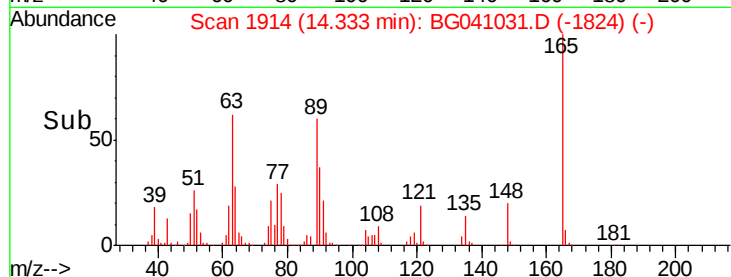
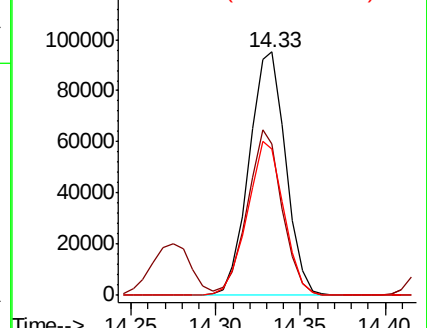
89 60.3 50.4 75.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 44.661 ng

RT: 14.82 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

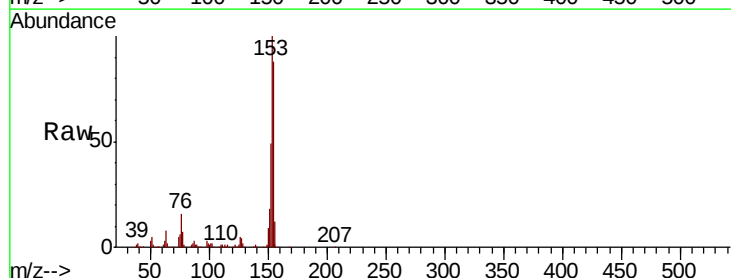
Tgt Ion:154 Resp: 435001

Ion Ratio Lower Upper

154 100

153 113.1 88.6 133.0

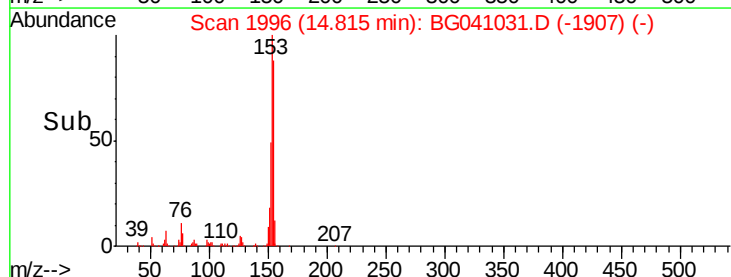
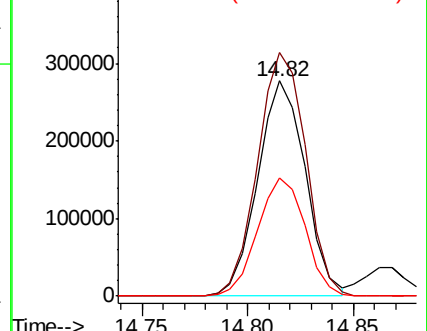
152 55.2 44.2 66.4

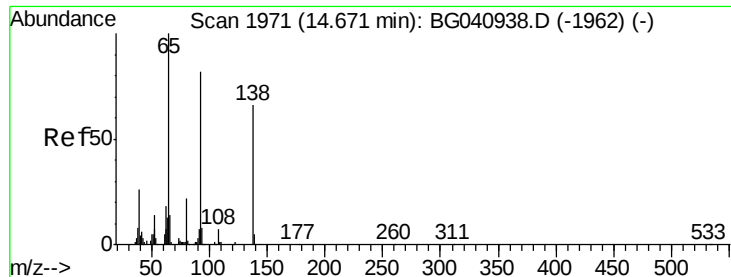


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 22.163 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

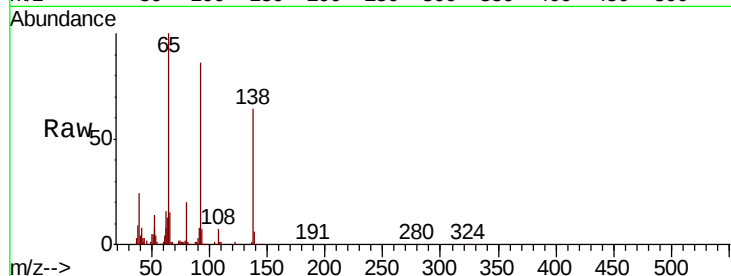
Tot Ion:138 Resp: 67999

Ion Ratio Lower Upper

138 100

108 11.0 8.5 12.7

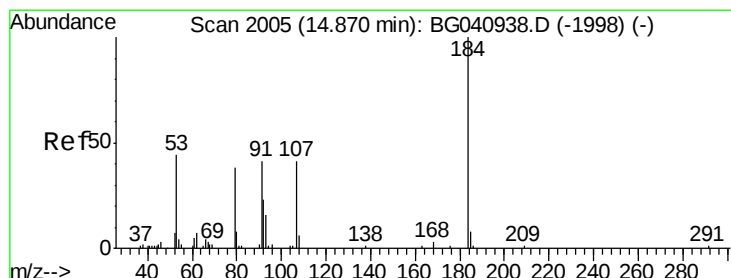
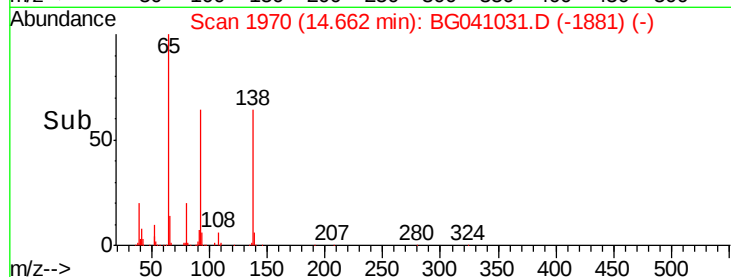
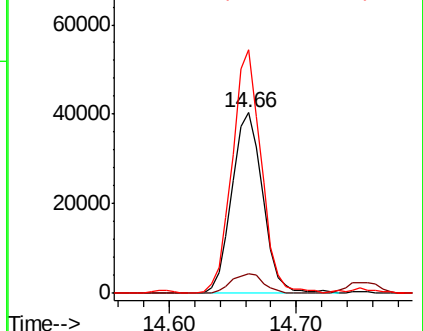
92 134.7 99.0 148.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 63.042 ng

RT: 14.86 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

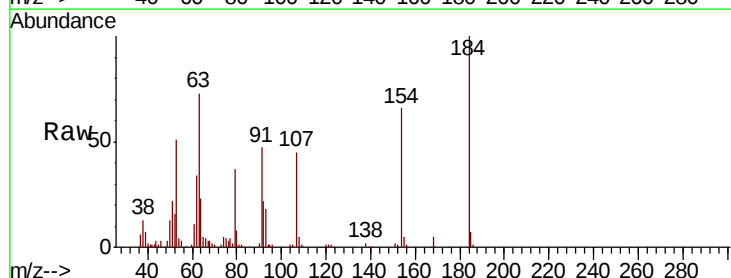
Tgt Ion:184 Resp: 90883

Ion Ratio Lower Upper

184 100

63 72.6 49.8 74.6

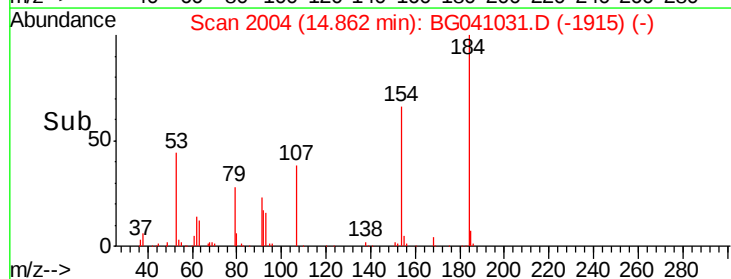
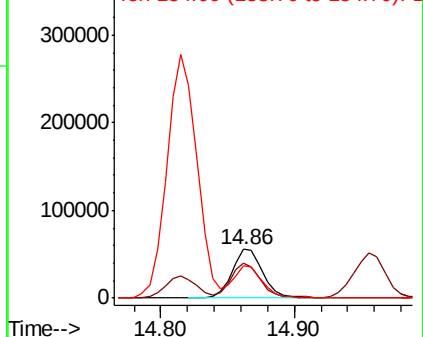
154 66.2 52.2 78.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 45.339 ng

RT: 15.15 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

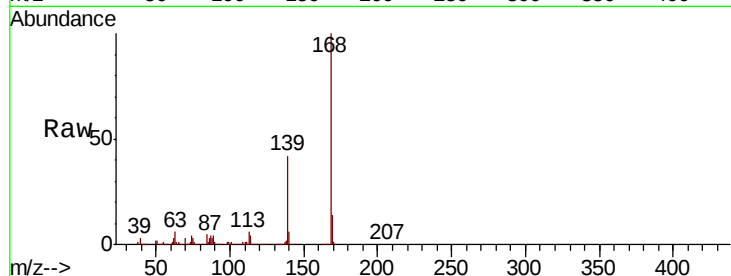
Tot Ion:168 Resp: 743076

Ion Ratio Lower Upper

168 100

139 41.7 32.8 49.2

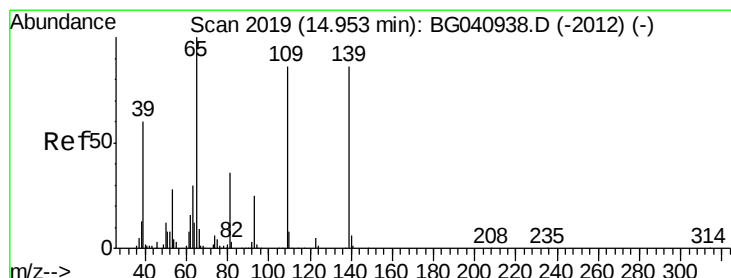
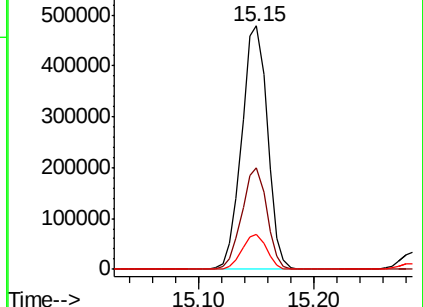
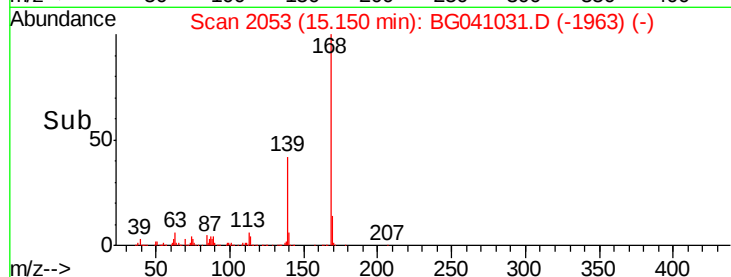
169 14.5 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 103.885 ng

RT: 14.96 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

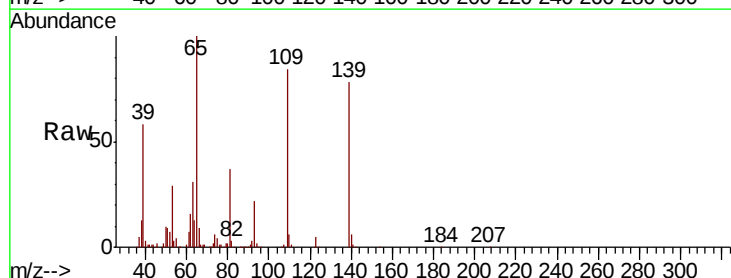
Tgt Ion:139 Resp: 218621

Ion Ratio Lower Upper

139 100

109 108.1 79.6 119.6

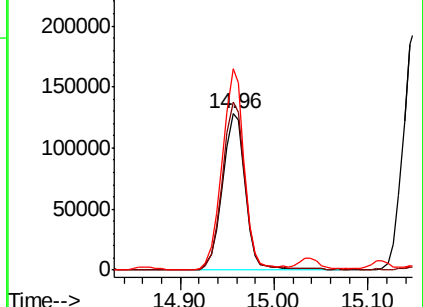
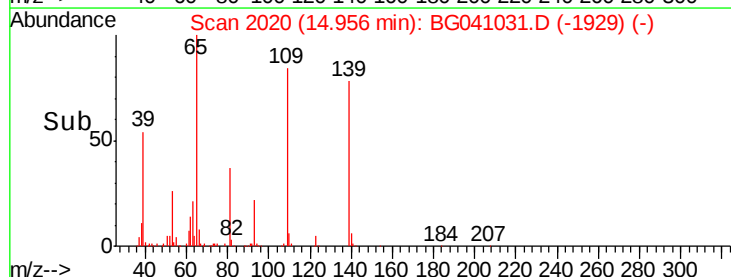
65 129.0 96.9 136.9



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

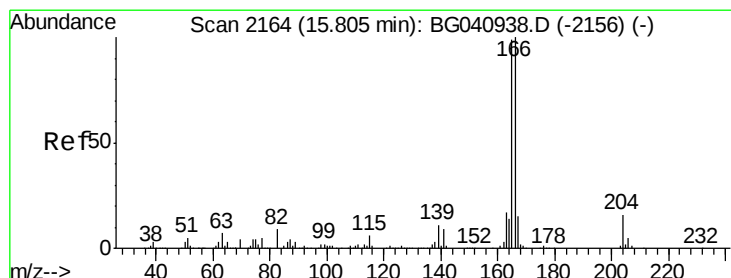
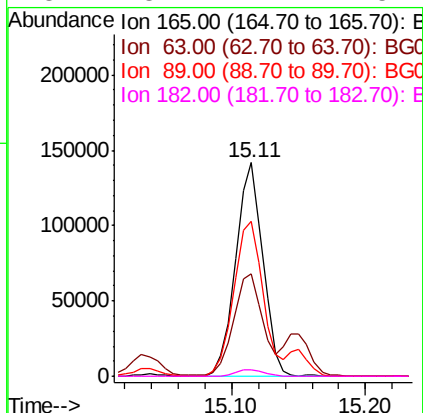
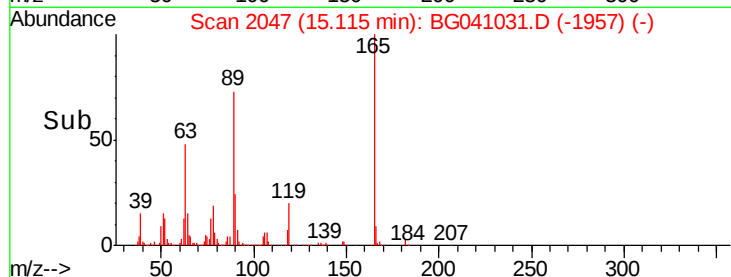
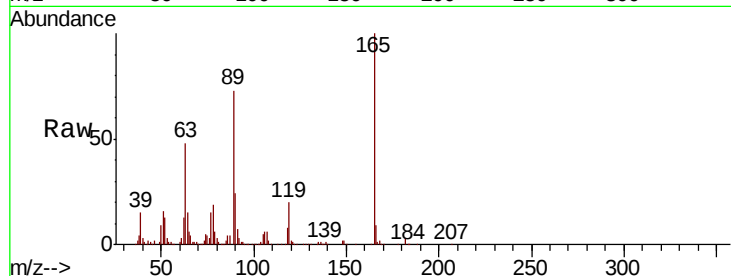




#57
2,4-Dinitrotoluene
Concen: 46.342 ng
RT: 15.11 min Scan# 2047
Delta R.T. -0.00 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

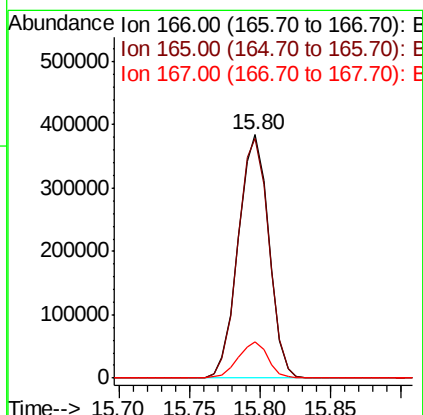
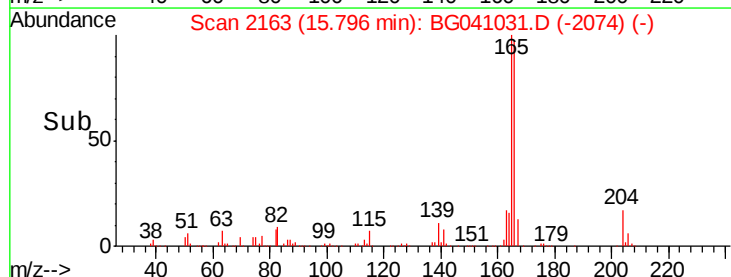
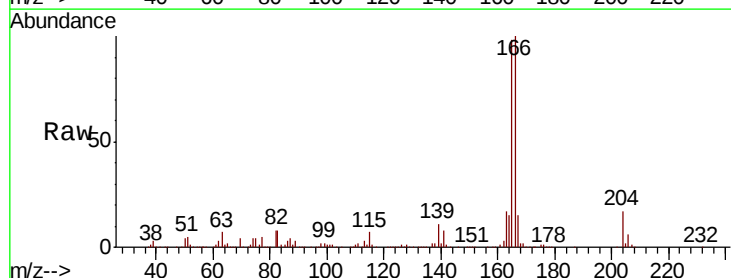
Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion:165 Resp: 200851
Ion Ratio Lower Upper
165 100
63 48.0 37.3 55.9
89 72.8 61.0 91.6
182 3.2 2.2 3.2



#58
Fluorene
Concen: 44.700 ng
RT: 15.80 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion:166 Resp: 583436
Ion Ratio Lower Upper
166 100
165 98.4 79.2 118.8
167 14.9 11.8 17.6

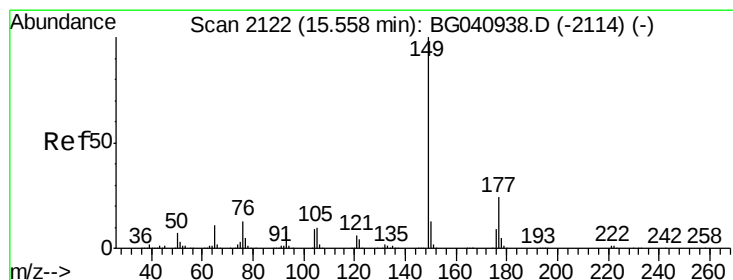
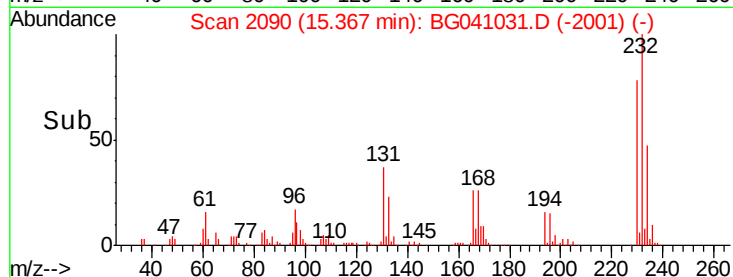
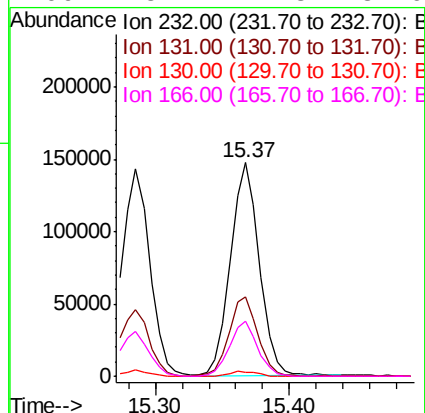
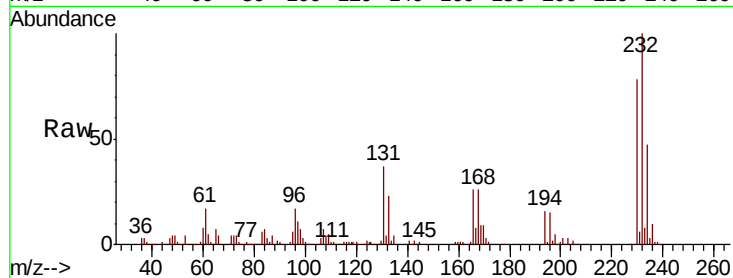




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.090 ng
 RT: 15.37 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BG041031.D
 Acq: 3 Jun 2019 13:05

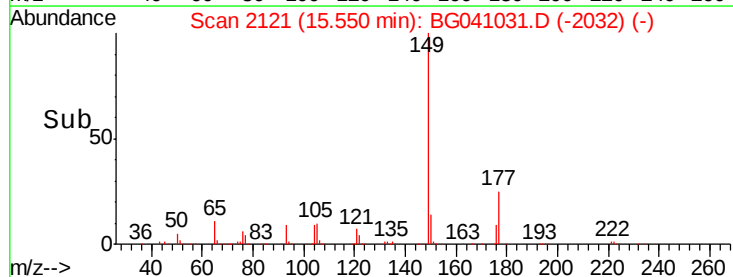
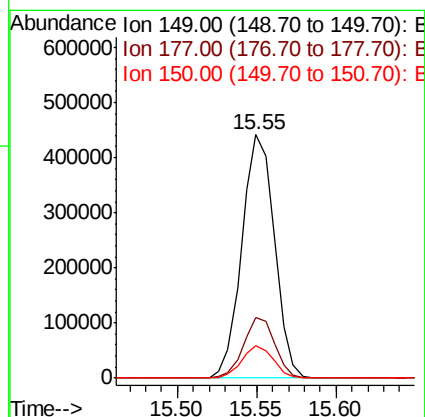
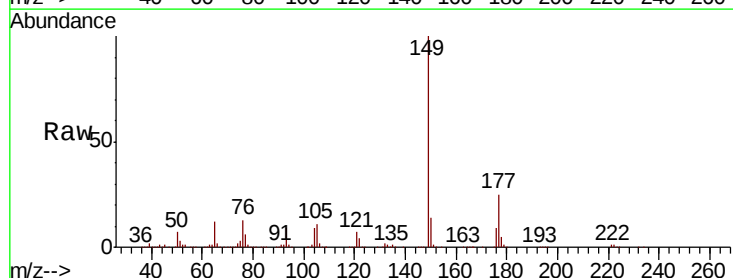
Instrument :
 BNA_G
 ClientSampleId :
 FESB-23(3-3.5)MSD

Tot Ion:232	Resp:	223016
Ion	Ratio	Lower Upper
232	100	
131	36.8	30.3 45.5
130	2.3	1.8 2.8
166	25.1	21.3 31.9



#60
 Diethylphthalate
 Concen: 43.271 ng
 RT: 15.55 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BG041031.D
 Acq: 3 Jun 2019 13:05

Tgt Ion:149	Resp:	628412
Ion	Ratio	Lower Upper
149	100	
177	25.0	19.4 29.0
150	13.5	10.3 15.5

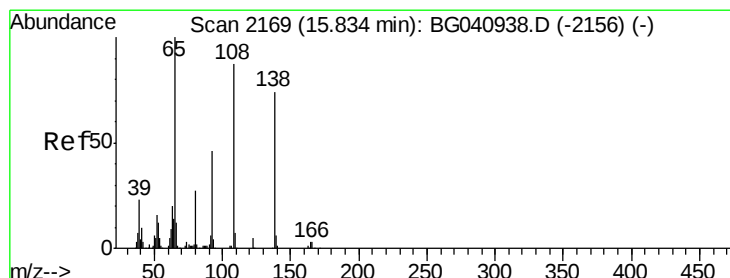
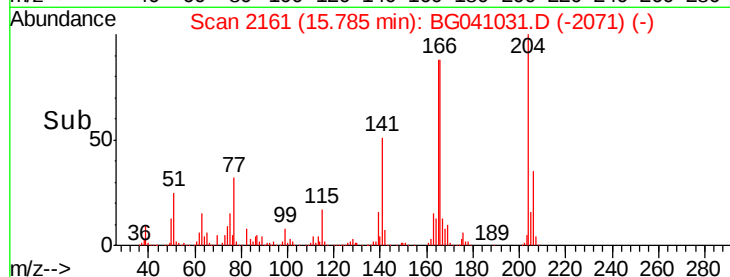
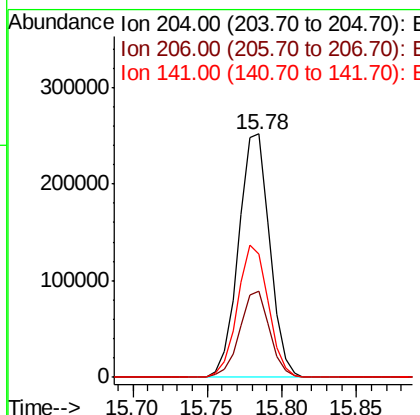
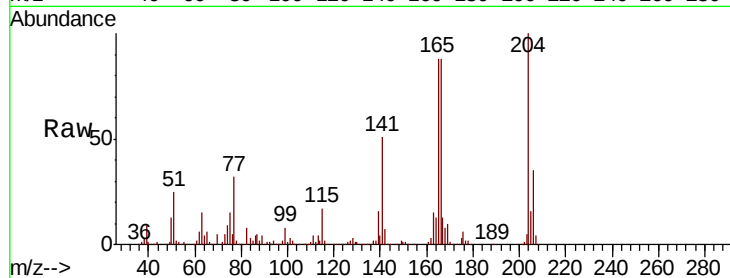




#61
 4-Chlorophenyl-phenylether
 Concen: 42.946 ng
 RT: 15.78 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BG041031.D
 Acq: 3 Jun 2019 13:05

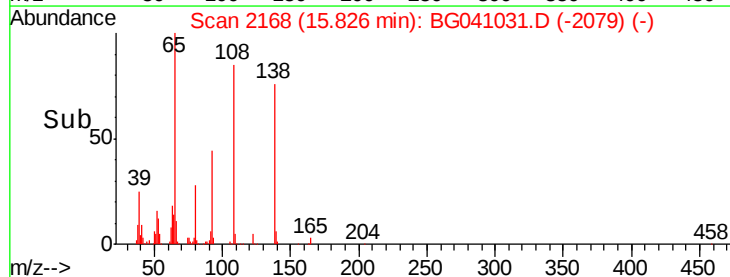
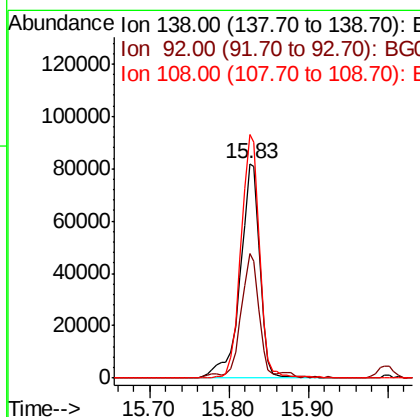
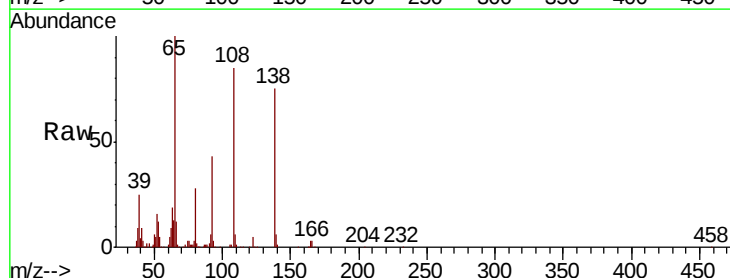
Instrument :
 BNA_G
 ClientSampleId :
 FESB-23(3-3.5)MSD

Tot Ion:204 Resp: 364339
 Ion Ratio Lower Upper
 204 100
 206 35.4 27.6 41.4
 141 50.9 45.1 67.7



#62
 4-Nitroaniline
 Concen: 43.196 ng
 RT: 15.83 min Scan# 2168
 Delta R.T. -0.01 min
 Lab File: BG041031.D
 Acq: 3 Jun 2019 13:05

Tgt Ion:138 Resp: 140306
 Ion Ratio Lower Upper
 138 100
 92 58.1 42.4 82.4
 108 113.6 96.9 136.9





#63

Azobenzene

Concen: 44.342 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 77 Resp: 585299

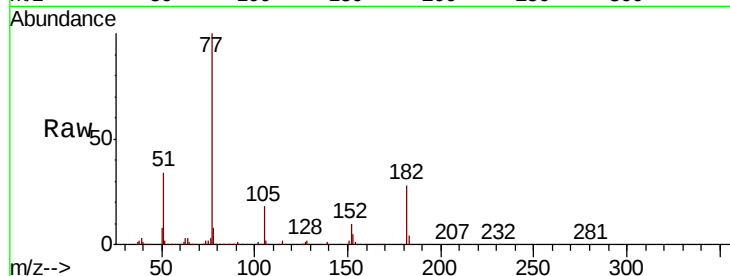
Ion Ratio Lower Upper

77 100

182 27.8 9.6 49.6

105 18.1 0.0 37.5

51 34.4 13.7 53.7

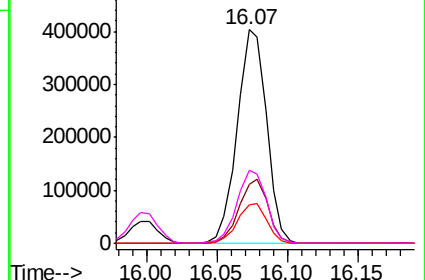
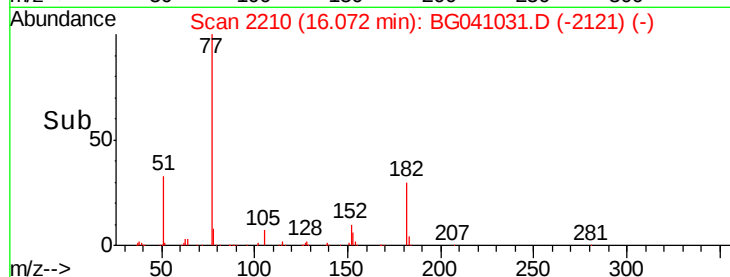


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

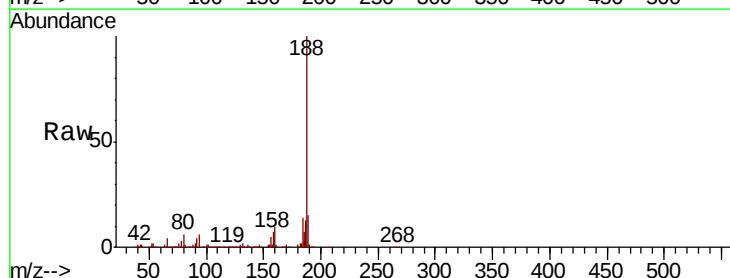
Tgt Ion: 188 Resp: 418089

Ion Ratio Lower Upper

188 100

94 6.1 4.7 7.1

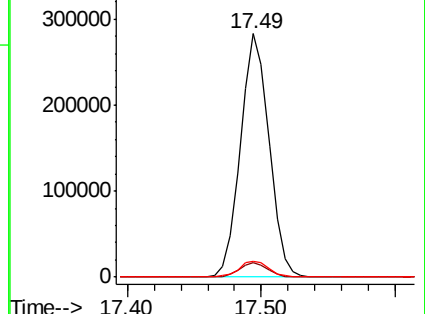
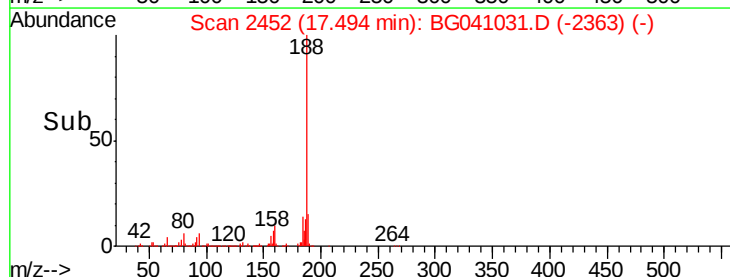
80 6.4 5.8 8.8

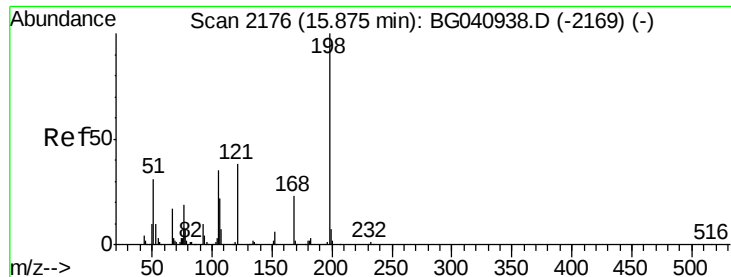


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 46.700 ng

RT: 15.87 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

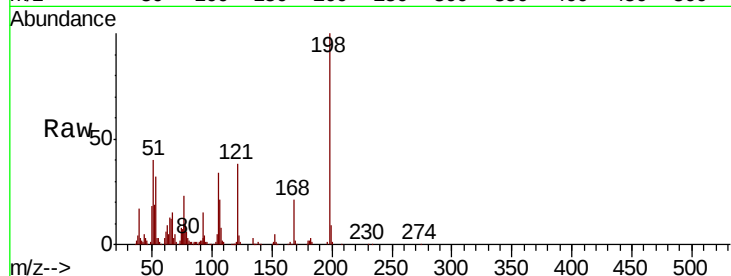
Tot Ion:198 Resp: 103990

Ion Ratio Lower Upper

198 100

51 40.1 21.6 61.6

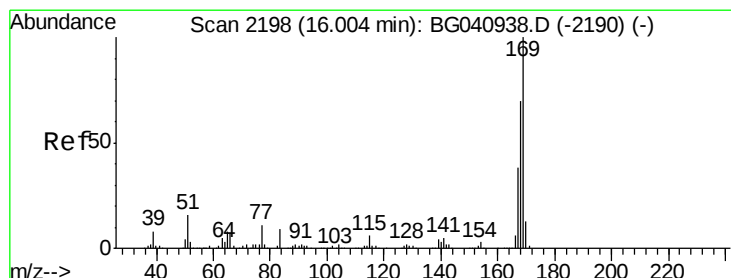
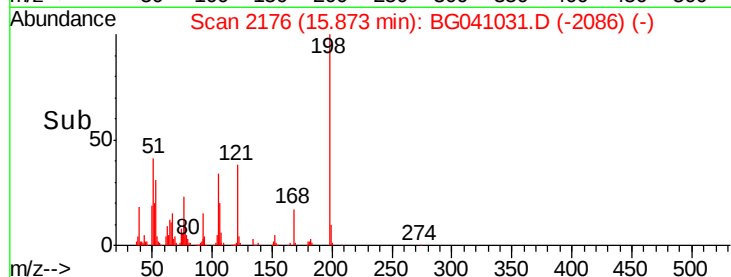
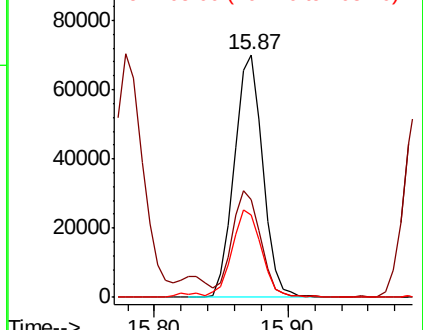
105 34.1 17.5 57.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.404 ng

RT: 16.00 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

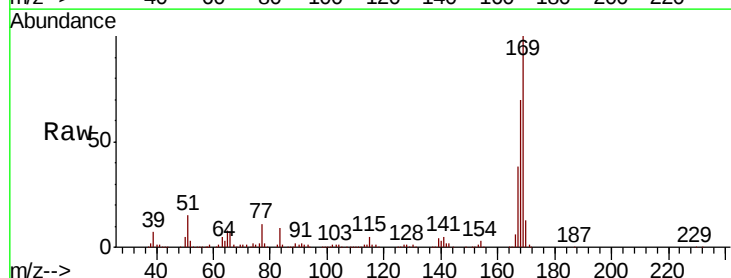
Tgt Ion:169 Resp: 533631

Ion Ratio Lower Upper

169 100

168 69.7 55.7 83.5

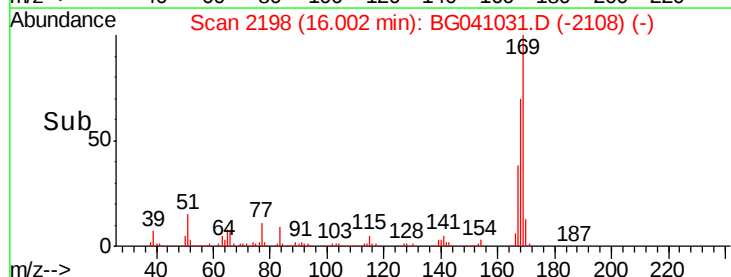
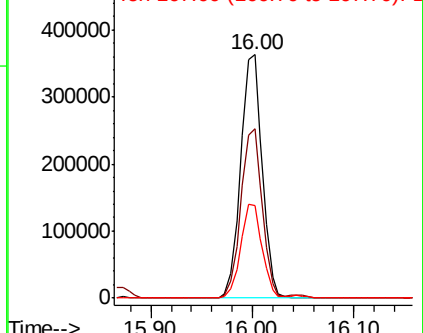
167 38.2 30.2 45.2



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: 43.119 ng

RT: 16.68 min Scan# 2313

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

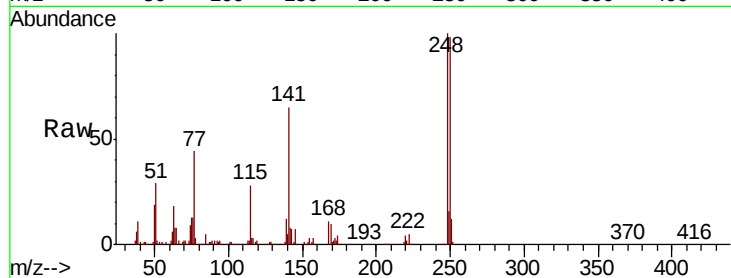
Tot Ion:248 Resp: 243291

Ion Ratio Lower Upper

248 100

250 97.9 75.0 112.4

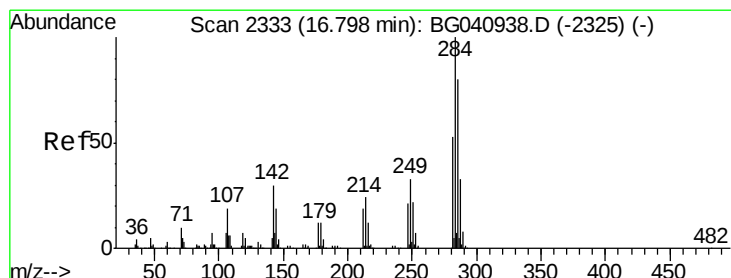
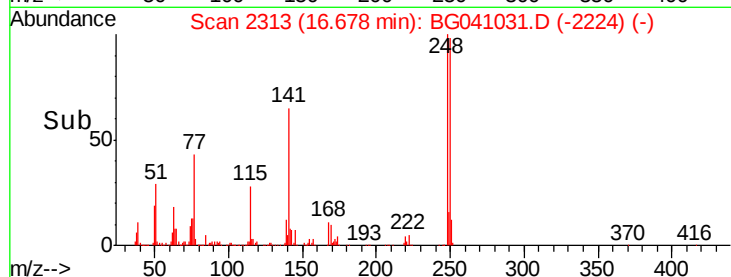
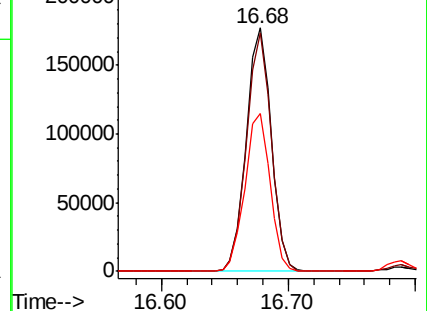
141 64.9 52.4 78.6



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 41.980 ng

RT: 16.79 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

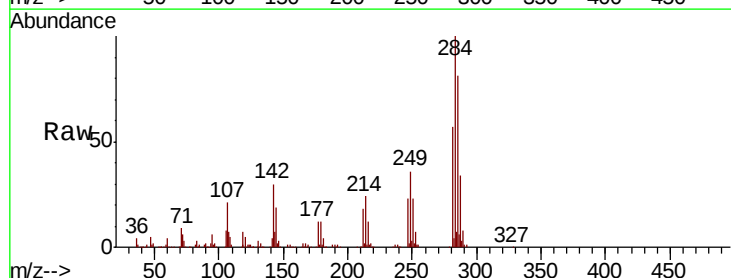
Tgt Ion:284 Resp: 252222

Ion Ratio Lower Upper

284 100

142 30.2 23.9 35.9

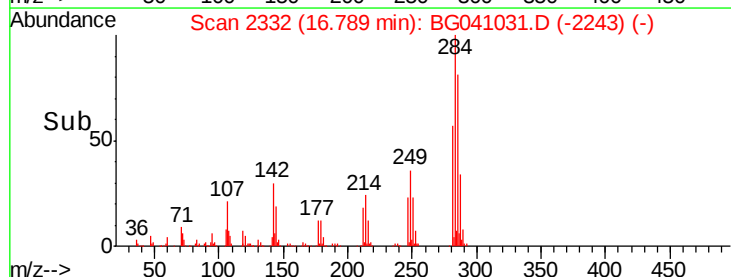
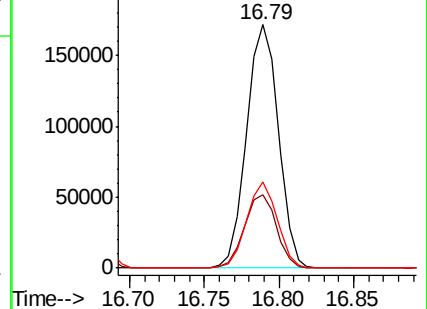
249 35.6 26.8 40.2

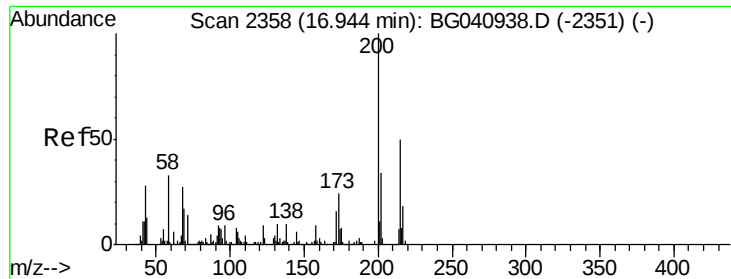


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 49.760 ng

RT: 16.94 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

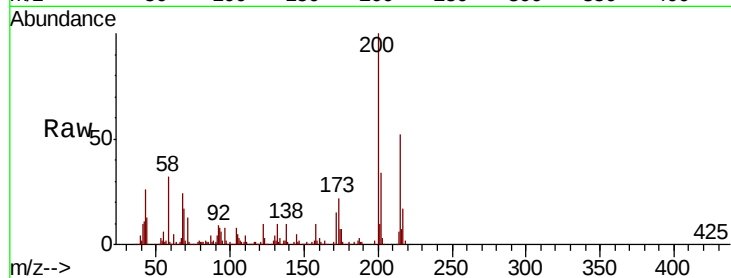
Tot Ion:200 Resp: 225660

Ion Ratio Lower Upper

200 100

173 21.6 3.6 43.6

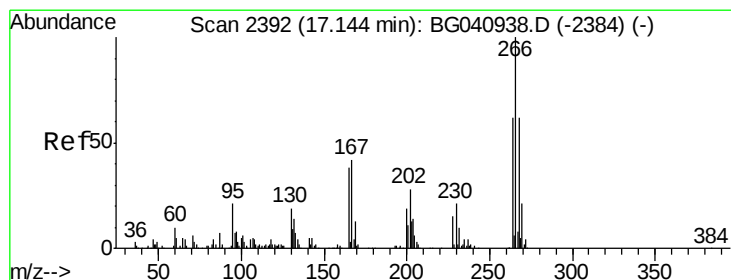
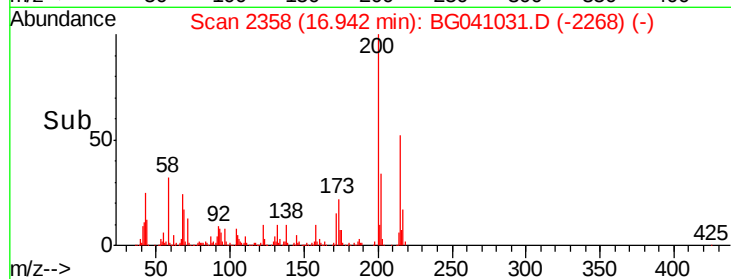
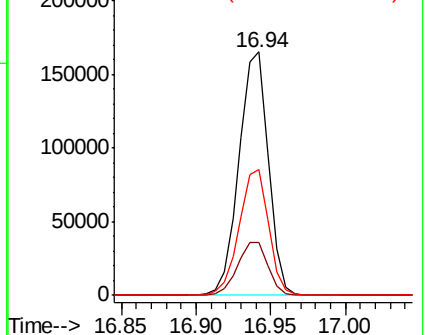
215 51.8 29.6 69.6



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: 91.594 ng

RT: 17.14 min Scan# 2391

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

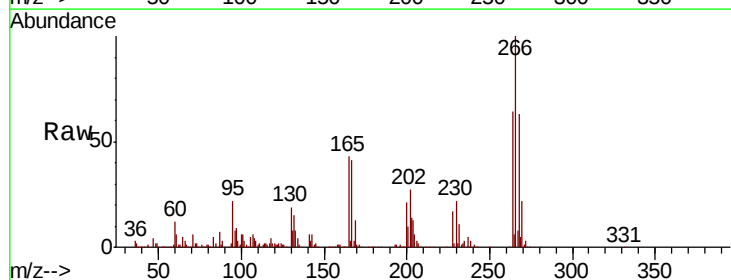
Tgt Ion:266 Resp: 296896

Ion Ratio Lower Upper

266 100

268 62.8 53.1 79.7

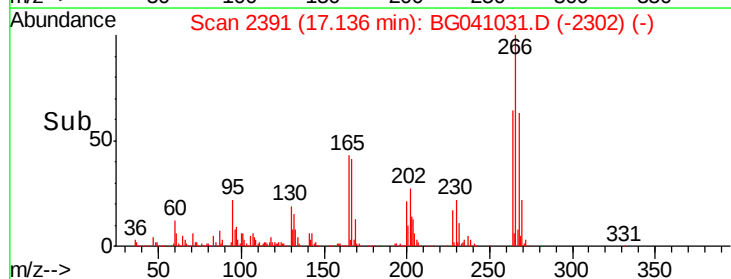
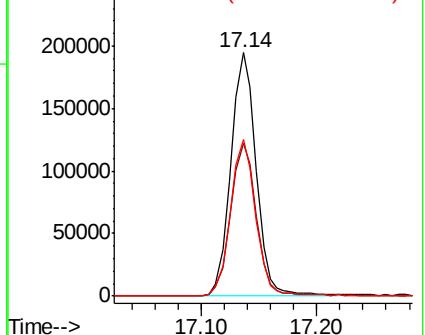
264 64.3 49.9 74.9

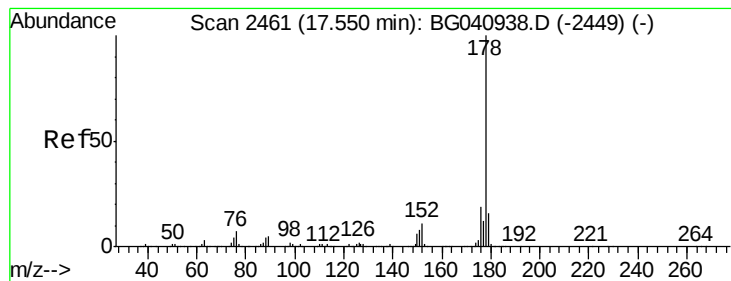


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 45.018 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

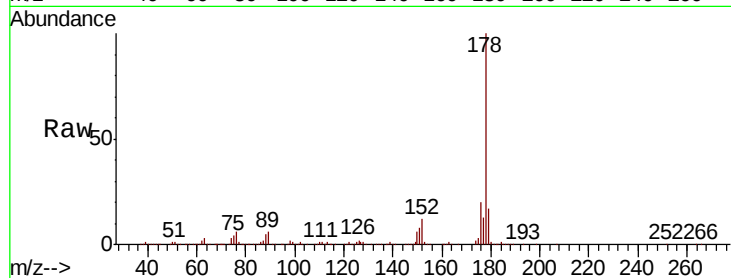
Tot Ion:178 Resp: 980385

Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

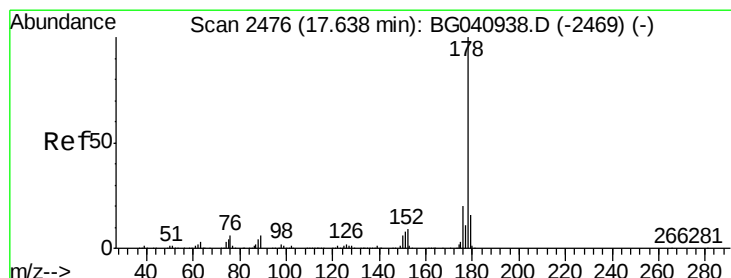
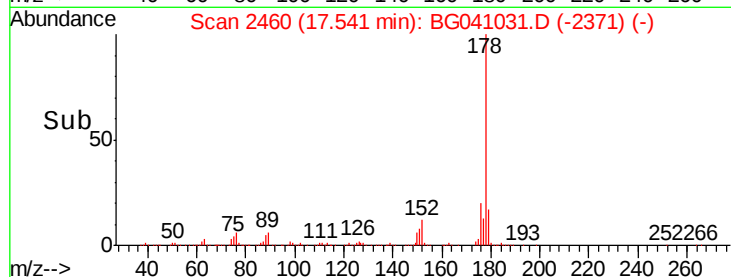
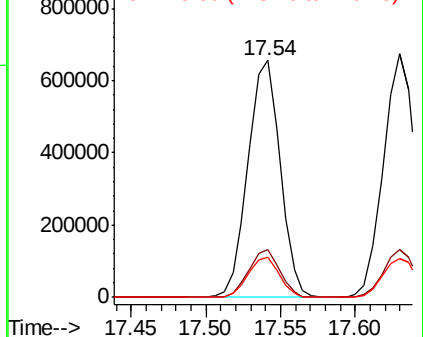
179 16.8 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 46.942 ng

RT: 17.63 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

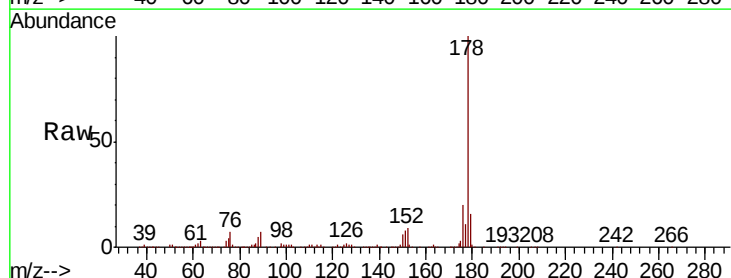
Tgt Ion:178 Resp: 1008250

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

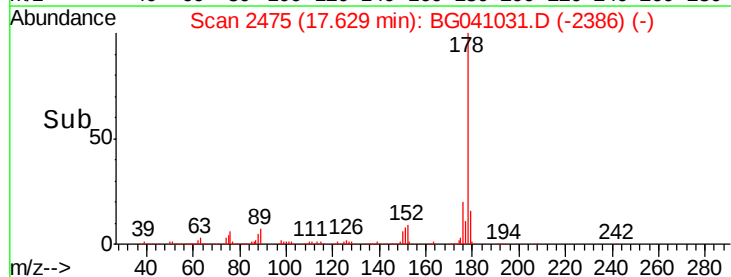
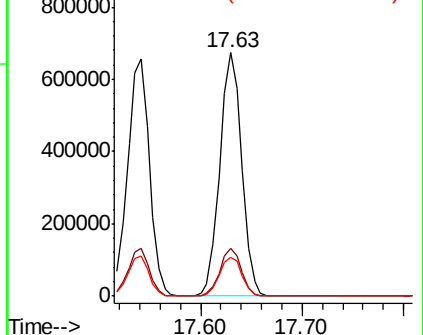
179 16.1 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 48.566 ng

RT: 17.90 min Scan# 2521

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

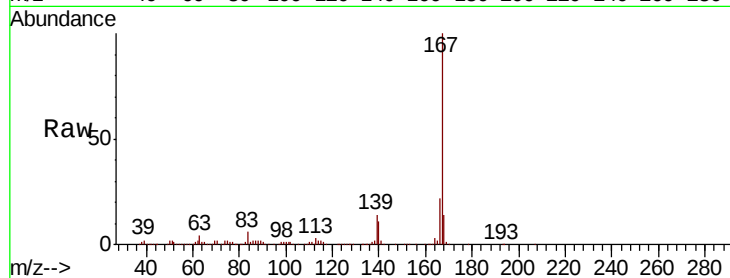
Tot Ion:167 Resp: 895056

Ion Ratio Lower Upper

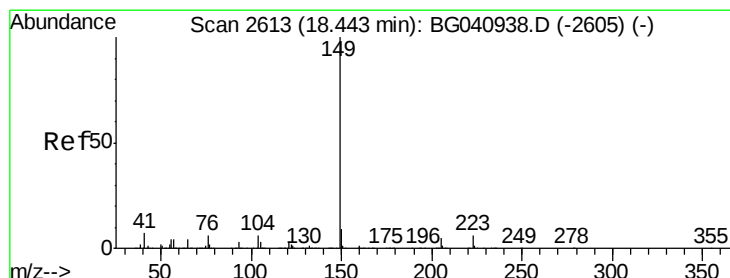
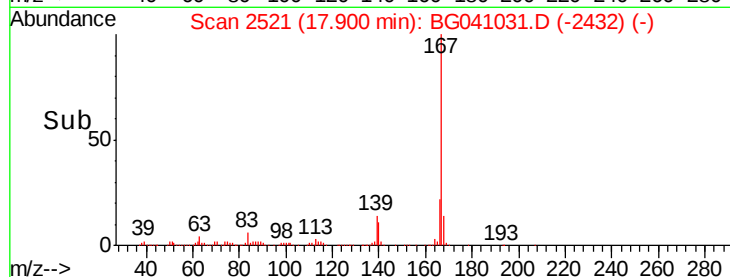
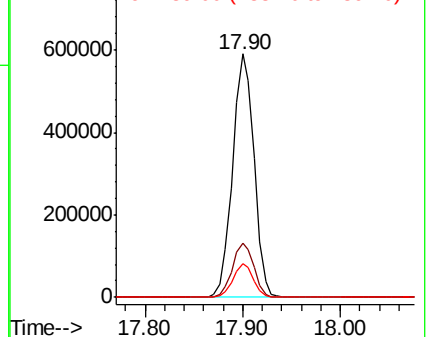
167 100

166 22.4 18.2 27.4

139 14.0 10.8 16.2



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: 44.157 ng

RT: 18.43 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

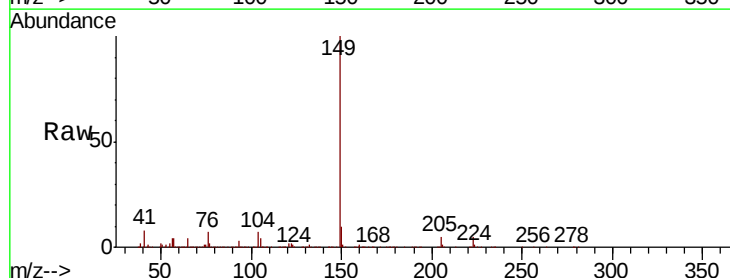
Tgt Ion:149 Resp: 1011451

Ion Ratio Lower Upper

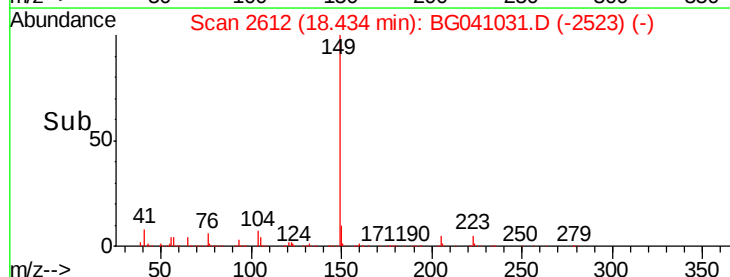
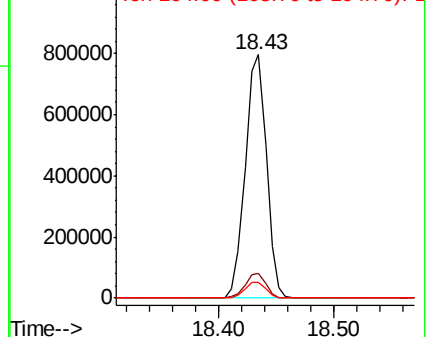
149 100

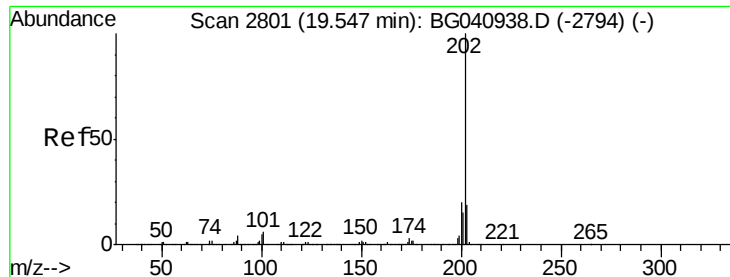
150 10.0 7.4 11.2

104 6.6 5.0 7.4



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: 46.563 ng

RT: 19.54 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

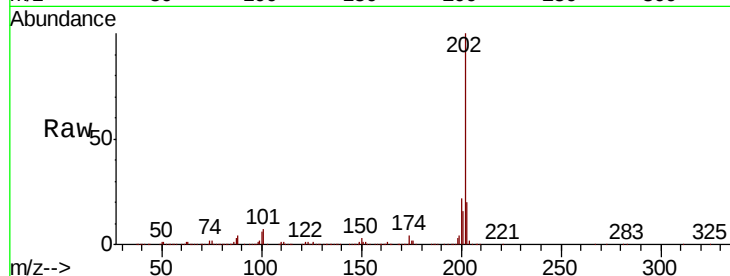
Tot Ion:202 Resp: 1252503

Ion Ratio Lower Upper

202 100

101 6.9 0.0 26.2

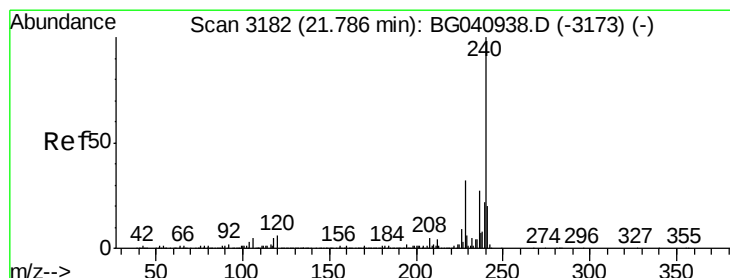
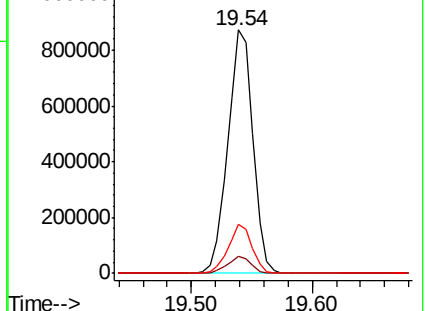
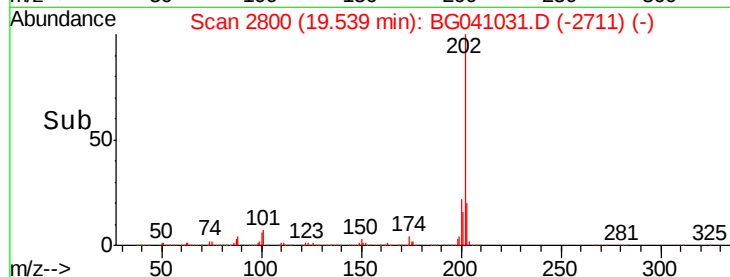
203 20.1 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

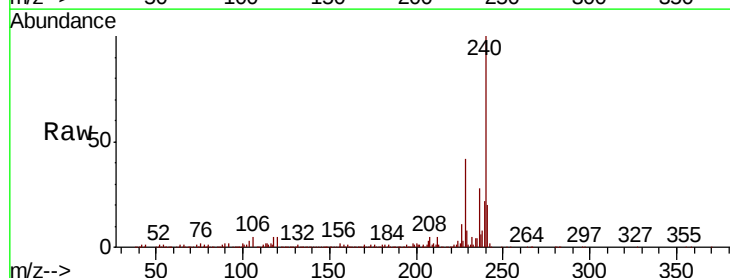
Tgt Ion:240 Resp: 417414

Ion Ratio Lower Upper

240 100

120 4.8 4.5 6.7

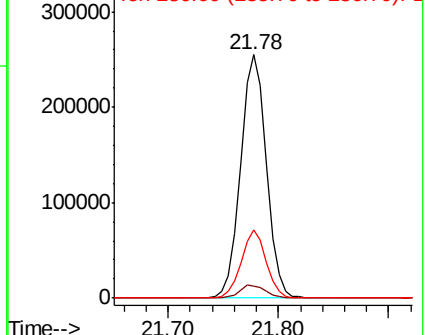
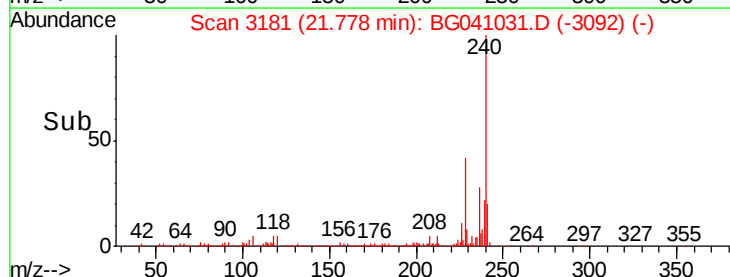
236 27.9 21.3 31.9



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: 10.322 ng

RT: 19.72 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

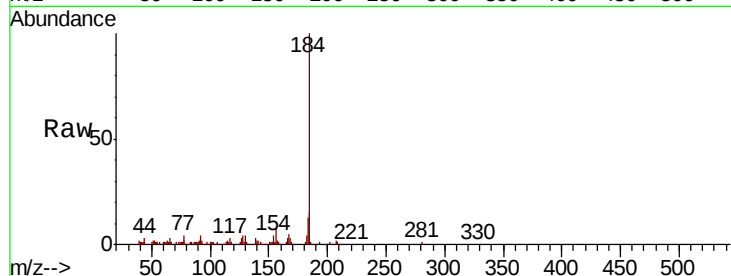
Tot Ion:184 Resp: 102786

Ion Ratio Lower Upper

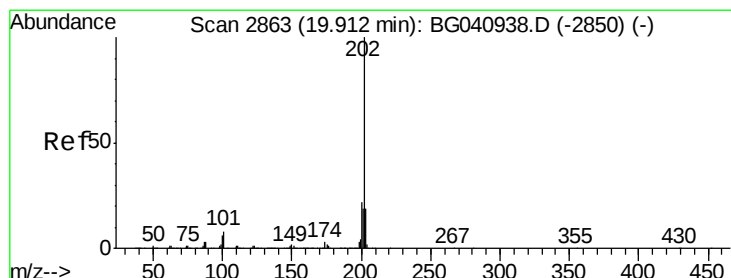
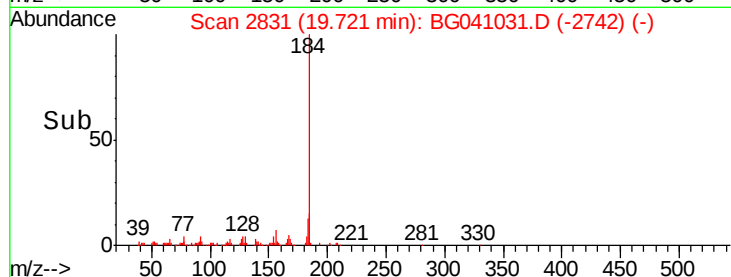
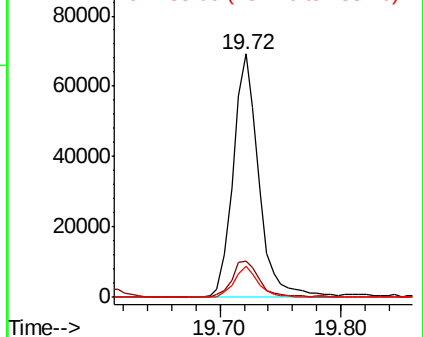
184 100

185 15.1 13.3 19.9

183 12.8 10.7 16.1



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: 46.431 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

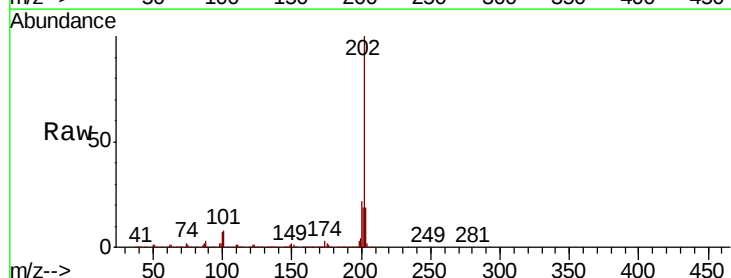
Tgt Ion:202 Resp: 1259896

Ion Ratio Lower Upper

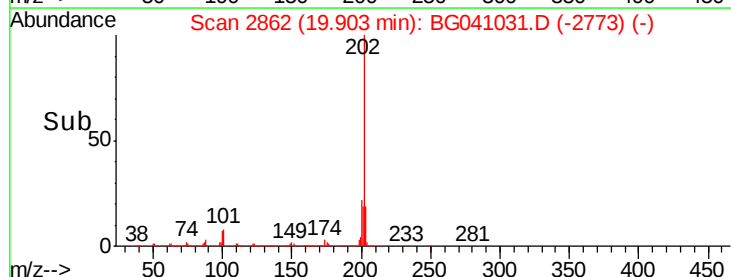
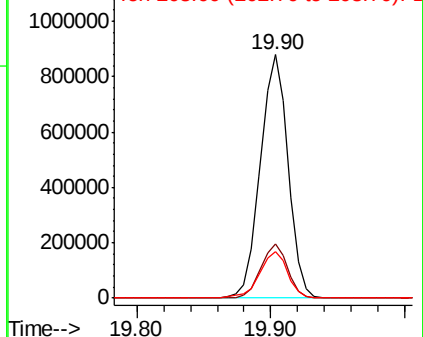
202 100

200 22.3 17.5 26.3

203 19.1 15.6 23.4



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: 87.751 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

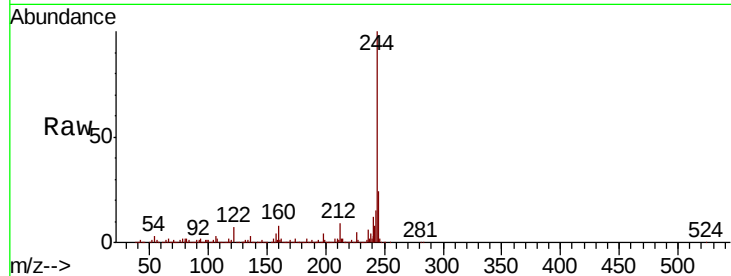
BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion:244 Resp: 1725859

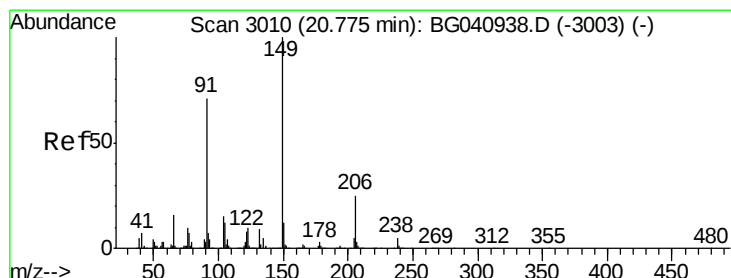
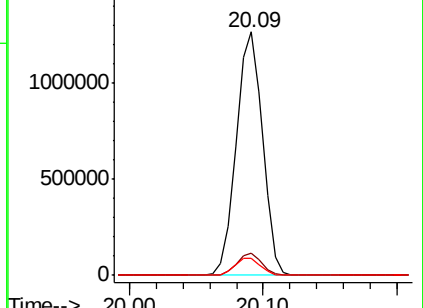
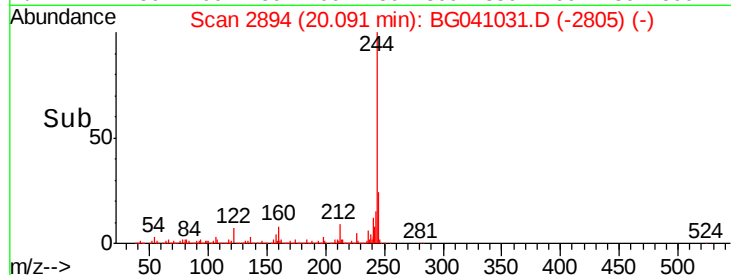
Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.0	10.4
122	7.2	5.4	8.0



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: 46.397 ng

RT: 20.77 min Scan# 3009

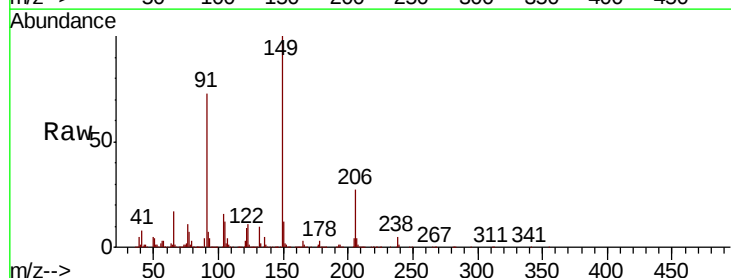
Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Tgt Ion:149 Resp: 489938

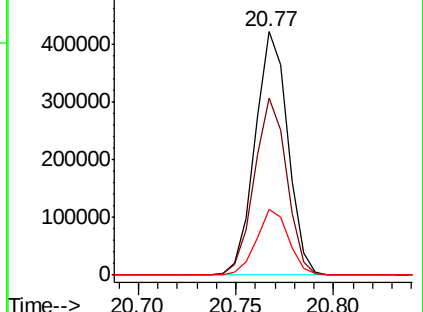
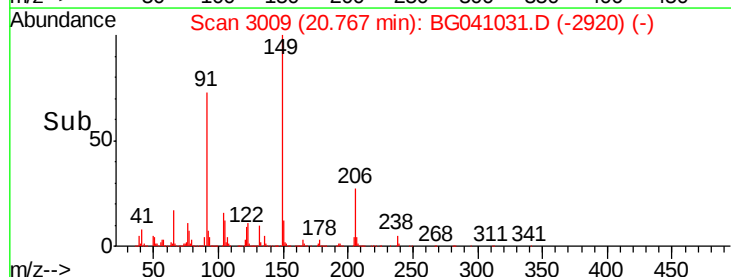
Ion	Ratio	Lower	Upper
149	100		
91	72.6	56.5	84.7
206	27.0	20.3	30.5

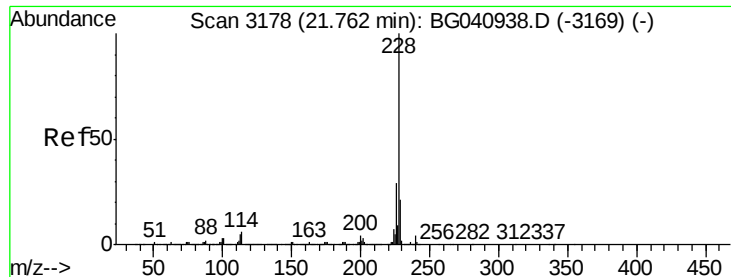


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.707 ng

RT: 21.75 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

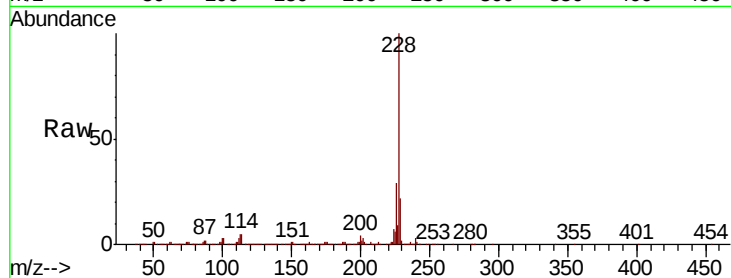
Tot Ion:228 Resp: 1242223

Ion Ratio Lower Upper

228 100

226 29.1 23.5 35.3

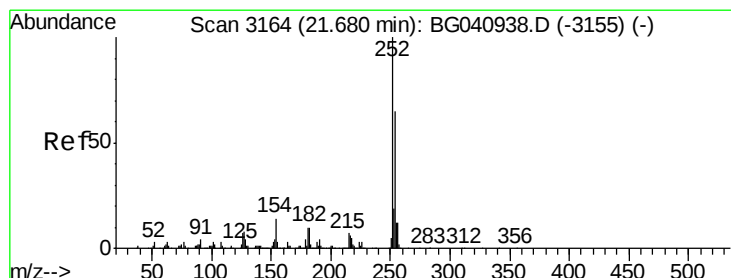
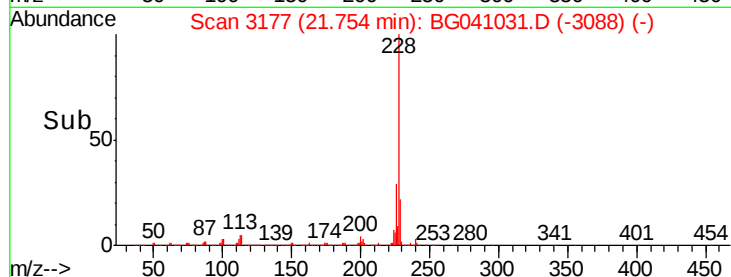
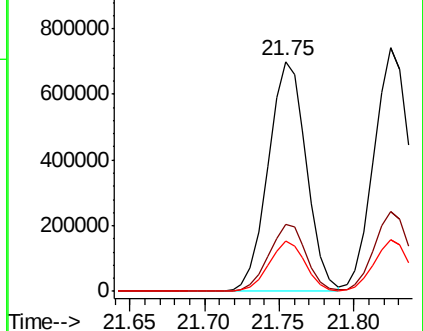
229 21.9 16.7 25.1



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: 18.744 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

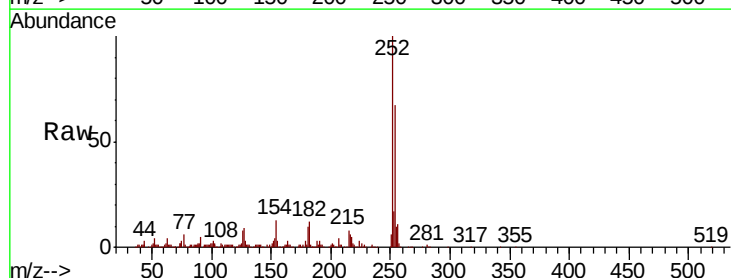
Tgt Ion:252 Resp: 183185

Ion Ratio Lower Upper

252 100

254 67.1 52.1 78.1

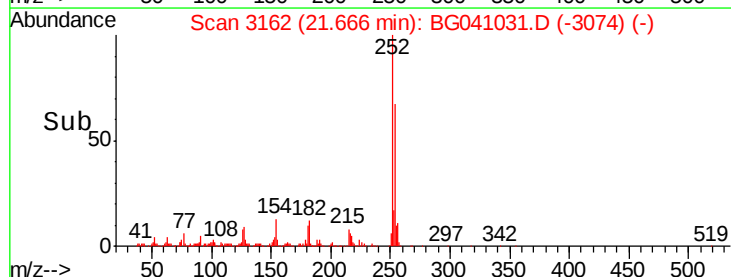
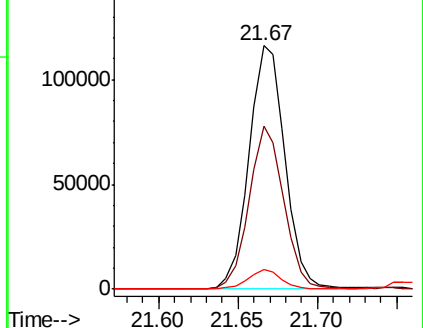
126 8.2 5.5 8.3



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: 45.440 ng

RT: 21.82 min Scan# 3189

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

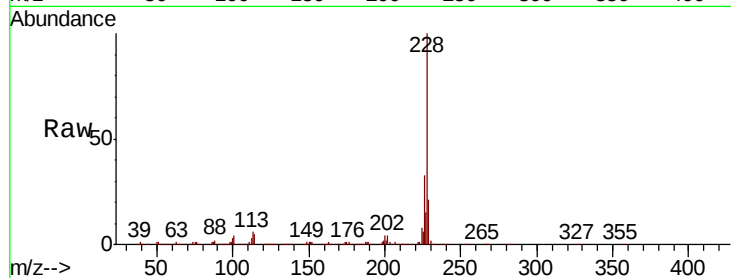
Tot Ion:228 Resp: 1208248

Ion	Ratio	Lower	Upper
228	100		
226	33.0	24.6	37.0
229	21.3	16.6	24.8

228 100

226 33.0 24.6 37.0

229 21.3 16.6 24.8

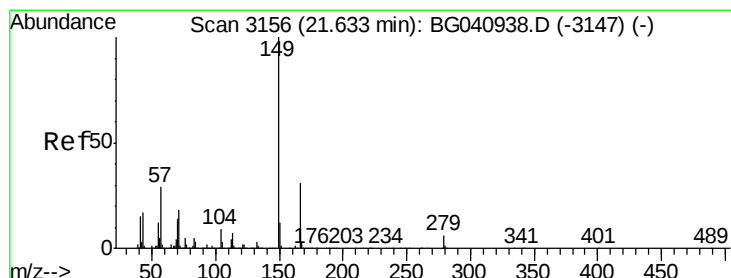
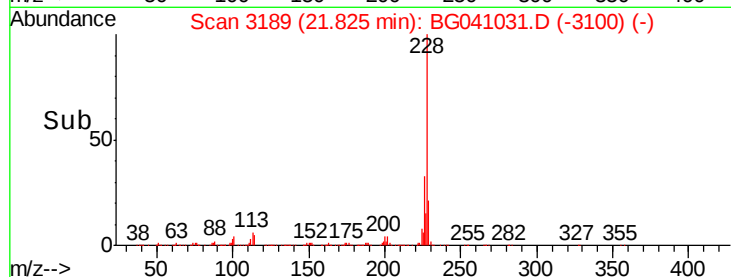
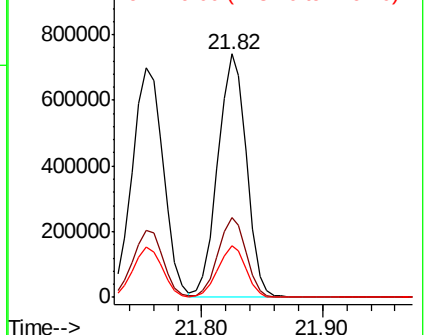


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.295 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

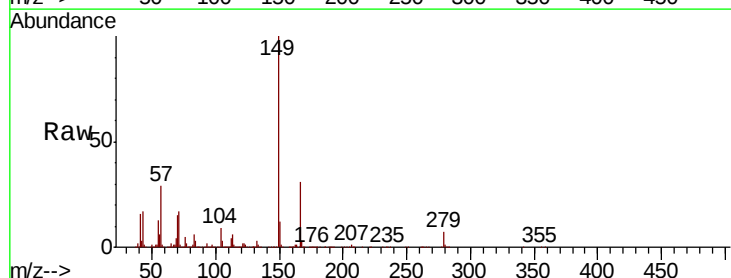
Tgt Ion:149 Resp: 673303

Ion	Ratio	Lower	Upper
149	100		
167	31.0	24.6	37.0
279	6.6	5.0	7.6

149 100

167 31.0 24.6 37.0

279 6.6 5.0 7.6

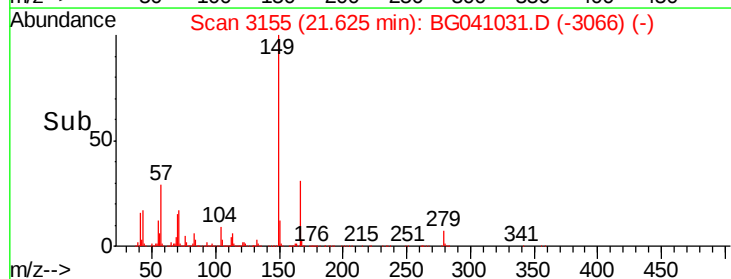
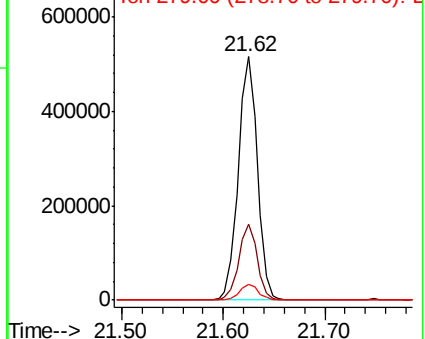


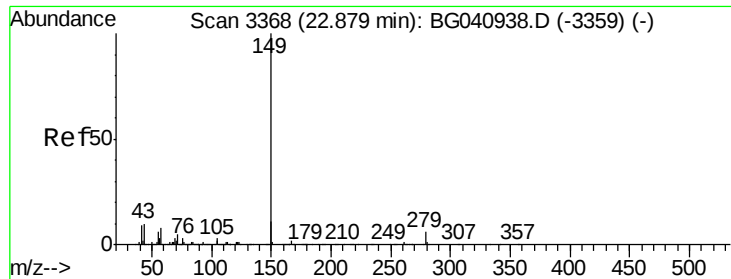
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 45.970 ng

RT: 22.87 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

Instrument :

BNA_G

ClientSampleId :

FESB-23(3-3.5)MSD

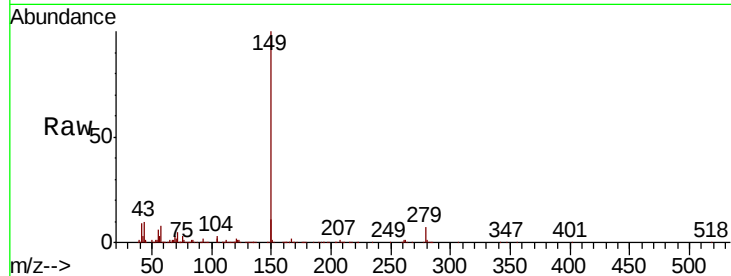
Tot Ion:149 Resp: 1138082

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

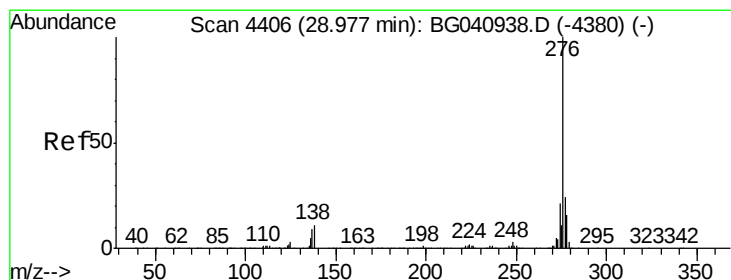
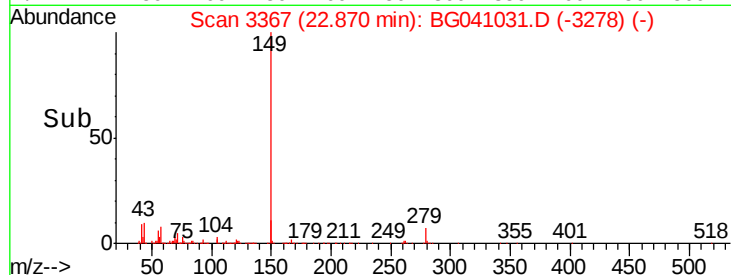
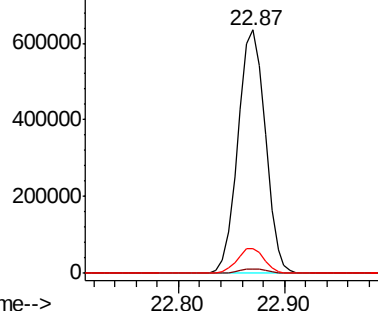
43 10.3 8.1 12.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 45.642 ng

RT: 28.96 min Scan# 4403

Delta R.T. -0.02 min

Lab File: BG041031.D

Acq: 3 Jun 2019 13:05

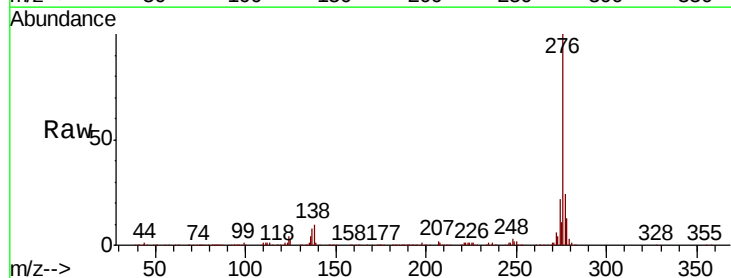
Tgt Ion:276 Resp: 1486652

Ion Ratio Lower Upper

276 100

138 5.3 5.7 8.5#

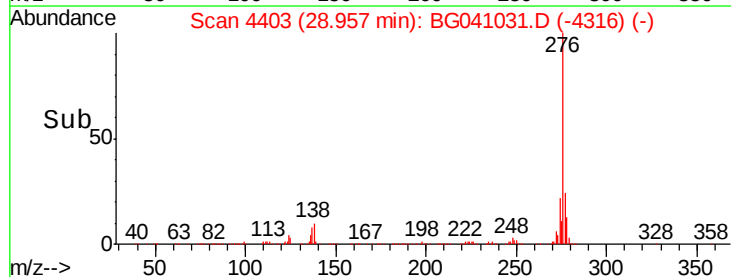
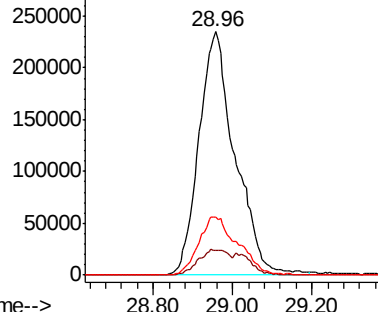
277 25.7 20.8 31.2

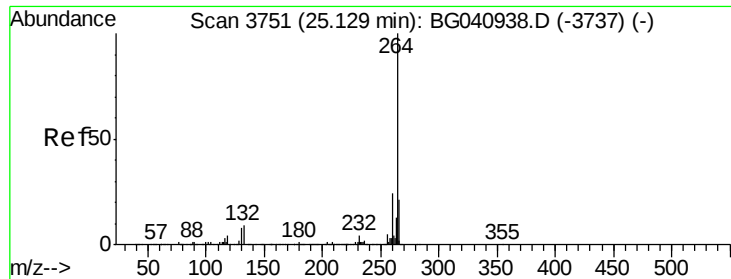


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



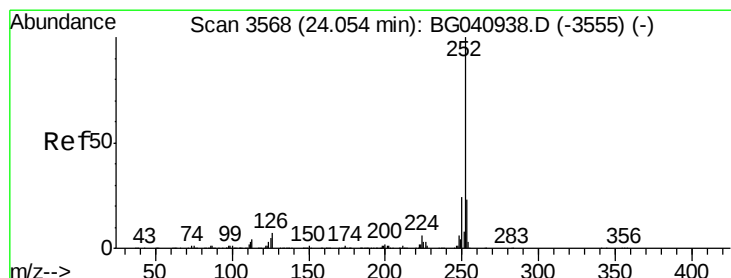
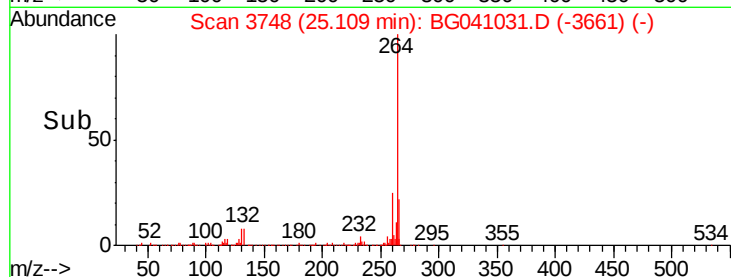
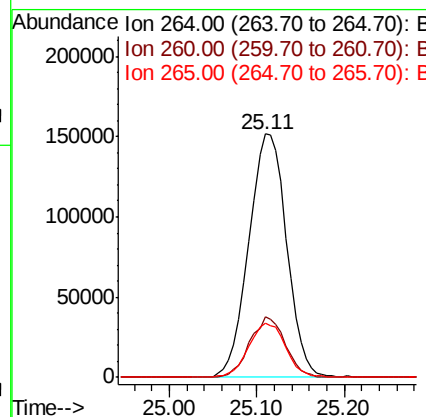
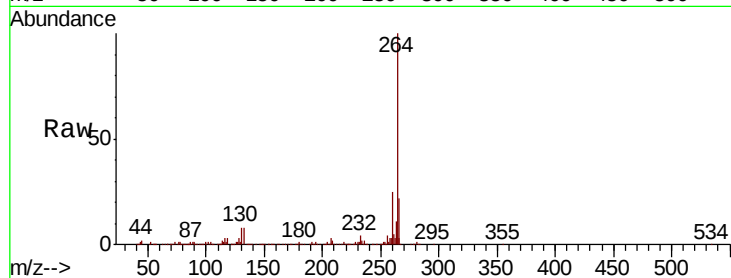


#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3748
Delta R.T. -0.02 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion:264 Resp: 446648

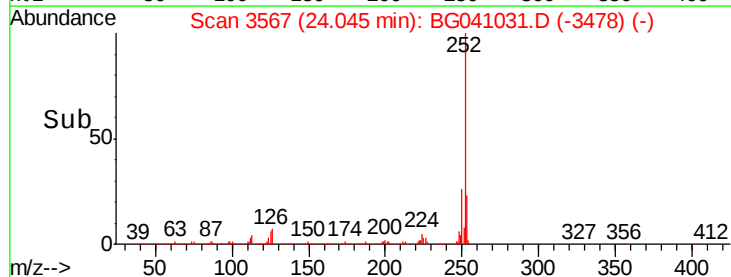
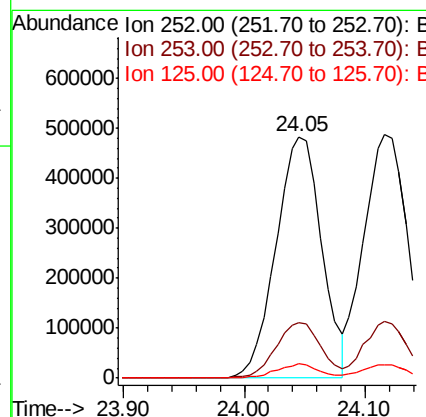
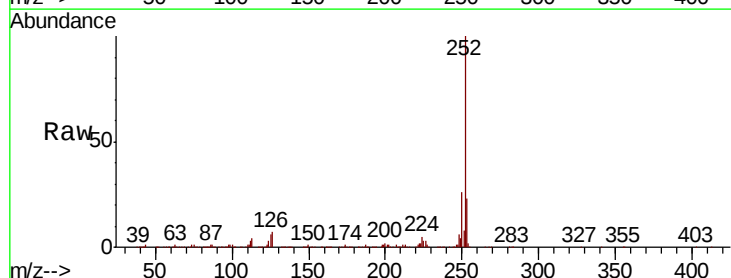
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.4
265	22.3	17.0	25.4

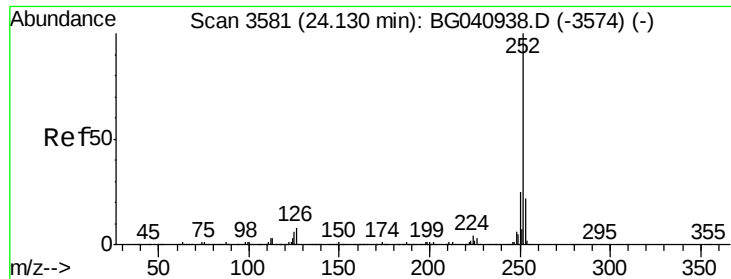


#88
Benzo(b)fluoranthene
Concen: 46.626 ng
RT: 24.05 min Scan# 3567
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion:252 Resp: 1263128

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	6.0	4.3	6.5

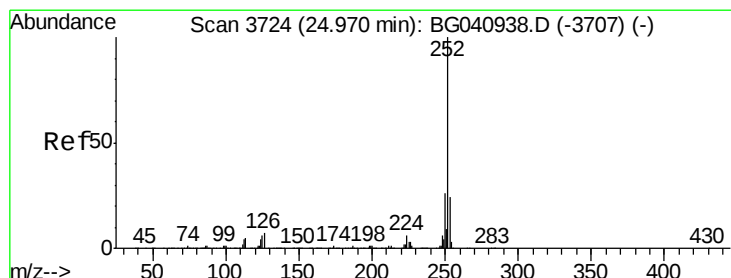
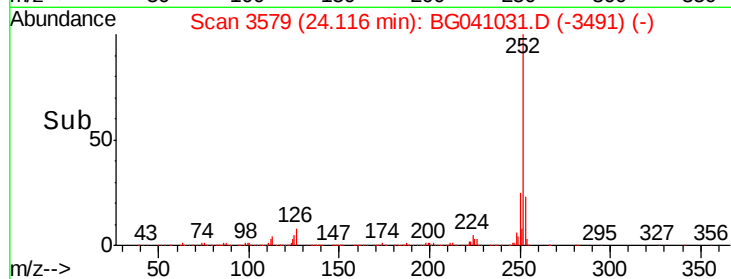
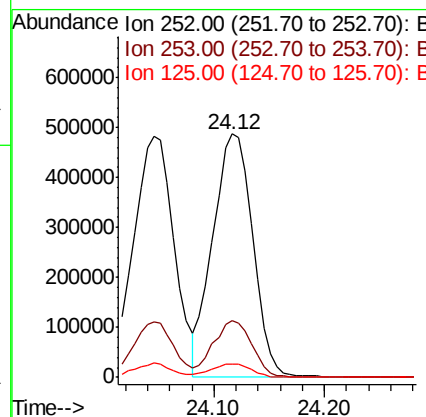
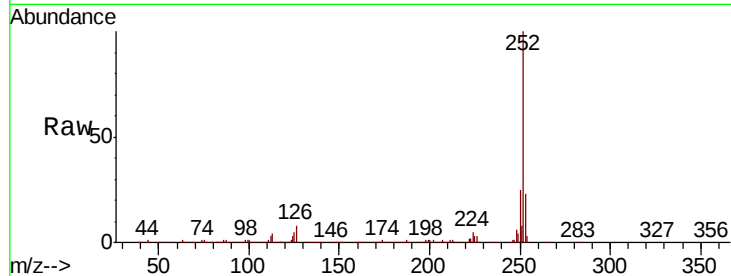




#89
Benzo(k)fluoranthene
Concen: 45.488 ng
RT: 24.12 min Scan# 3579
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

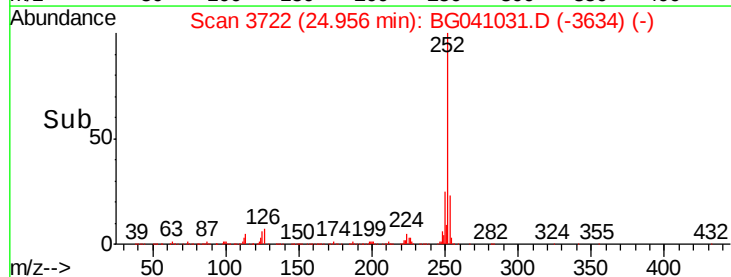
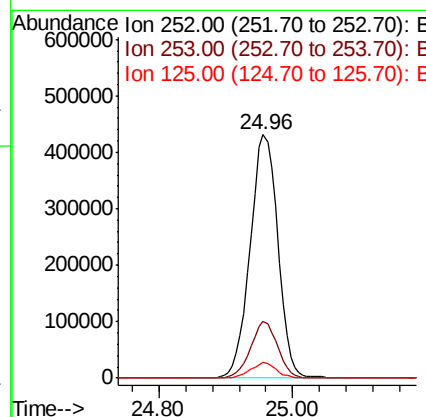
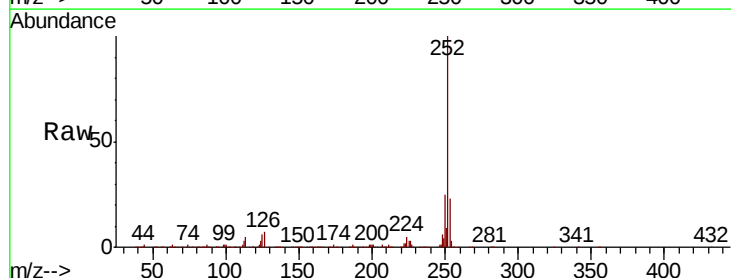
Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

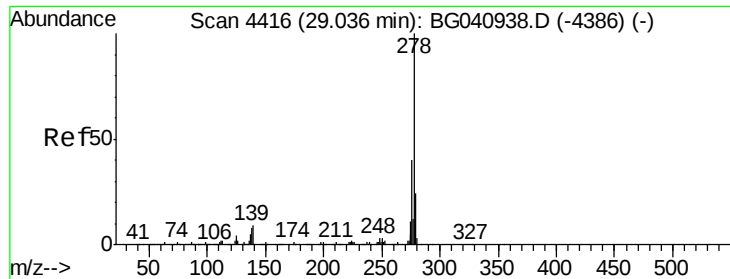
Tot Ion:252 Resp: 1219454
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 5.5 4.7 7.1



#90
Benzo(a)pyrene
Concen: 47.491 ng
RT: 24.96 min Scan# 3722
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion:252 Resp: 1227465
Ion Ratio Lower Upper
252 100
253 23.2 19.5 29.3
125 6.3 5.1 7.7

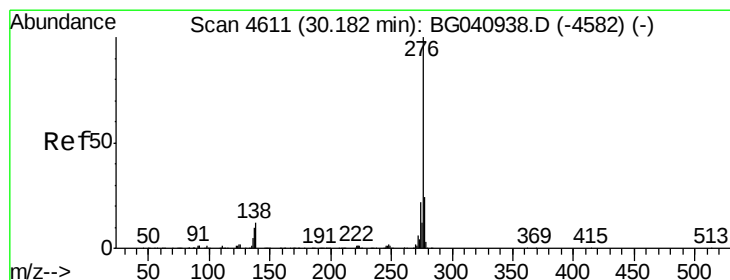
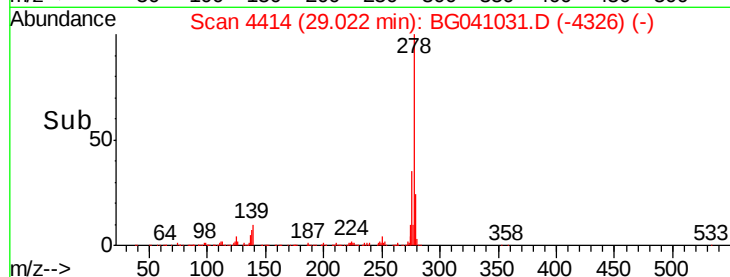
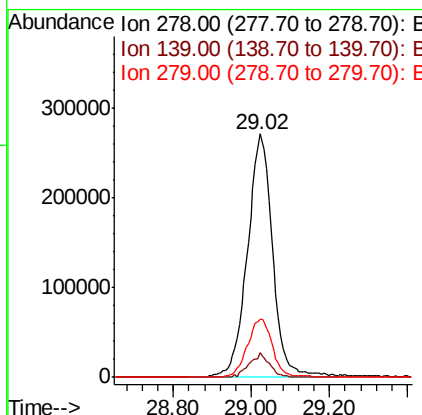
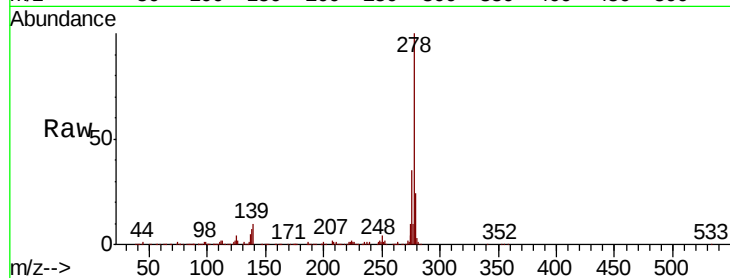




#91
Dibenzo(a,h)anthracene
Concen: 47.229 ng
RT: 29.02 min Scan# 4414
Delta R.T. -0.01 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Instrument :
BNA_G
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion:278 Resp: 1219753
Ion Ratio Lower Upper
278 100
139 10.2 7.1 10.7
279 24.0 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 48.444 ng
RT: 30.16 min Scan# 4608
Delta R.T. -0.02 min
Lab File: BG041031.D
Acq: 3 Jun 2019 13:05

Tgt Ion:276 Resp: 1215485
Ion Ratio Lower Upper
276 100
277 23.3 19.4 29.0
138 10.9 9.7 14.5

