

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040948.D
 Acq On : 30 May 2019 12:35
 Operator : HP/JU
 Sample : K2944-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FESB-1(14.5-15)

Quant Time: May 30 15:10:17 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	70312	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	287252	20.00	ng	0.00
39) Acenaphthene-d10	14.76	164	201398	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	462678	20.00	ng	0.00
76) Chrysene-d12	21.77	240	457960	20.00	ng	-0.01
87) Perylene-d12	25.11	264	491146	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	383308	98.30	ng	0.00
7) Phenol-d6	7.27	99	601431	99.87	ng	0.00
23) Nitrobenzene-d5	9.30	82	399620	61.76	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	270939	90.62	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	908698	64.98	ng	0.00
79) Terphenyl-d14	20.09	244	1324456	61.38	ng	0.00

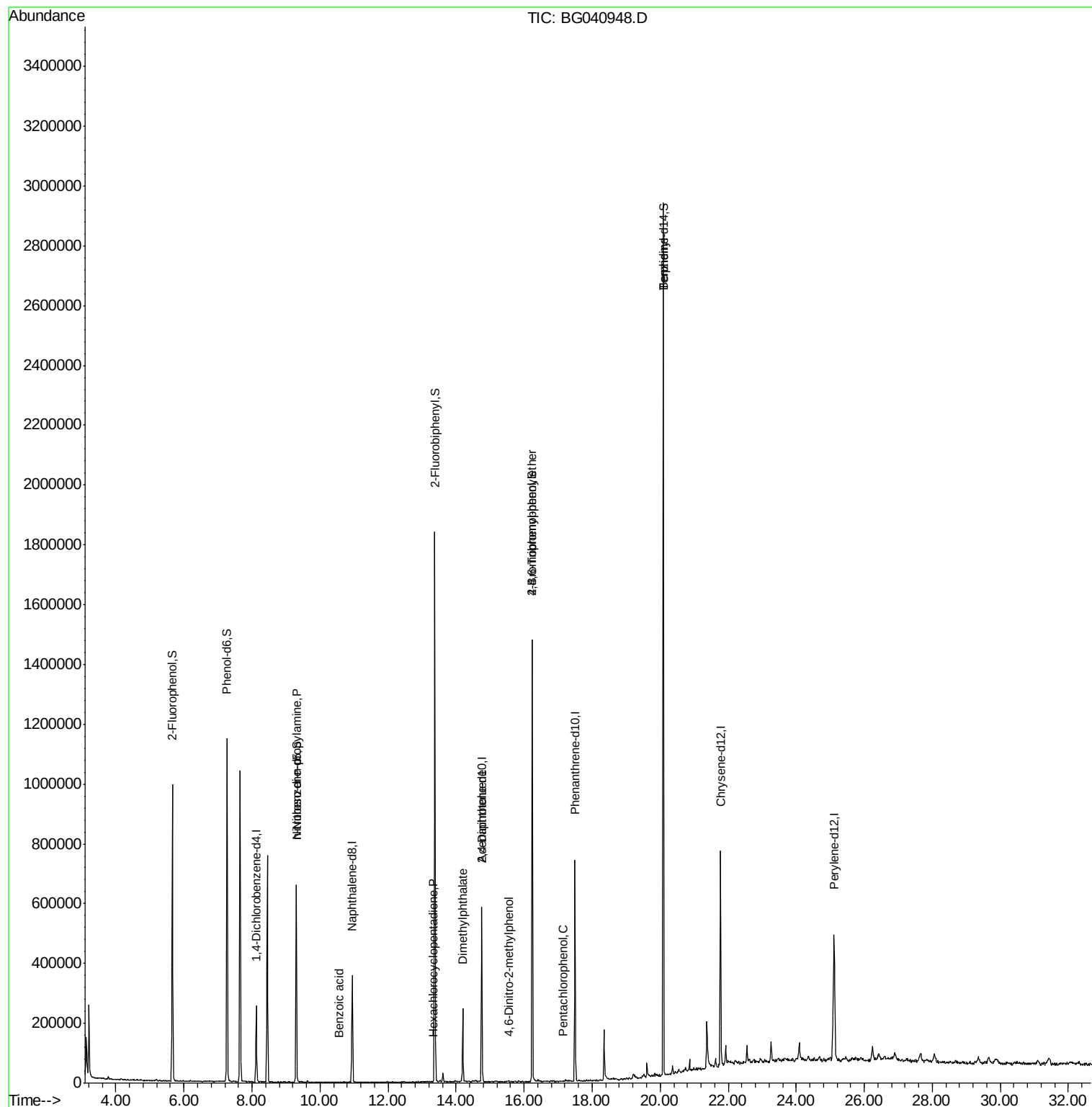
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	56371	12.164	ng	# 76
32) Benzoic acid	10.55	122	66	8.146	ng	# 1
41) Hexachlorocyclopentadiene	13.32	237	97	8.255	ng	# 26
50) Dimethylphthalate	14.19	163	153428	9.000	ng	100
57) 2,4-Dinitrotoluene	14.75	165	25641	4.938	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.54	198	113	8.627	ng	# 65
67) 4-Bromophenyl-phenylether	16.24	248	20539	3.289	ng	# 1
70) Pentachlorophenol	17.15	266	53	4.270	ng	# 18
77) Benzidine	20.09	184	22762	2.084	ng	96

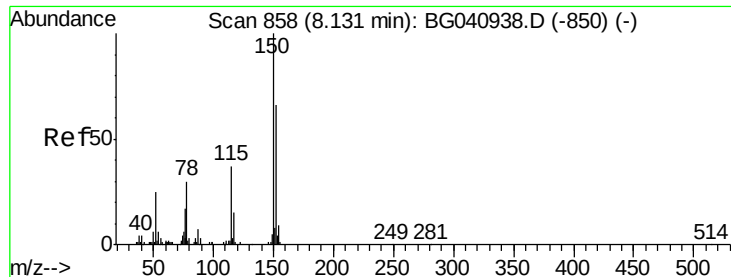
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_G
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FESB-1(14.5-15)

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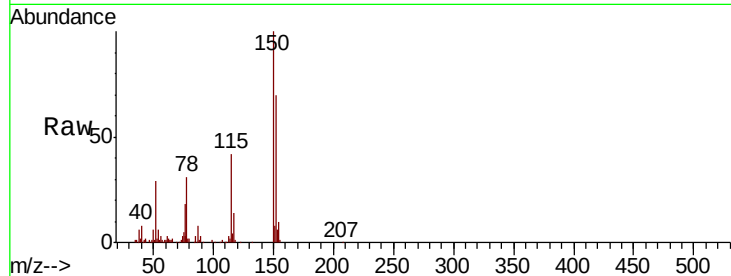


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040948.D
Acq: 30 May 2019 12:35

Instrument :
BNA_G
ClientSampleId :
FESB-1(14.5-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.1	120.6	180.8
115	59.2	45.1	67.7

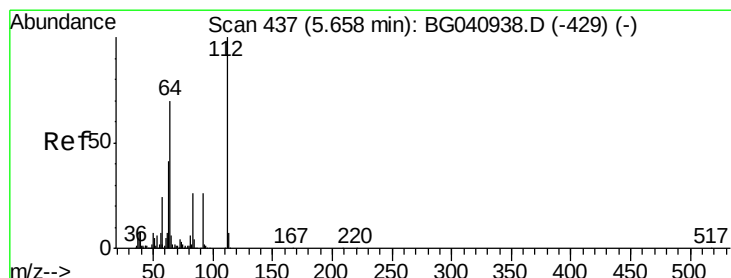
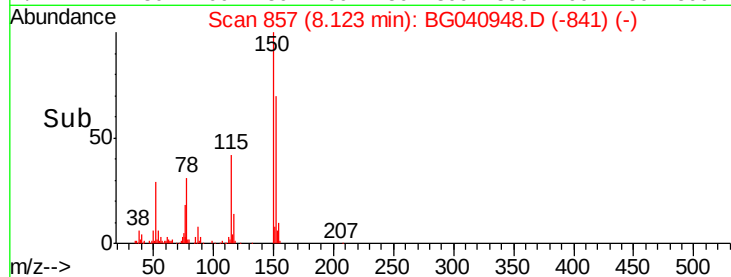
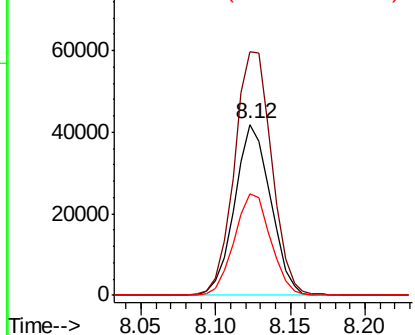


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

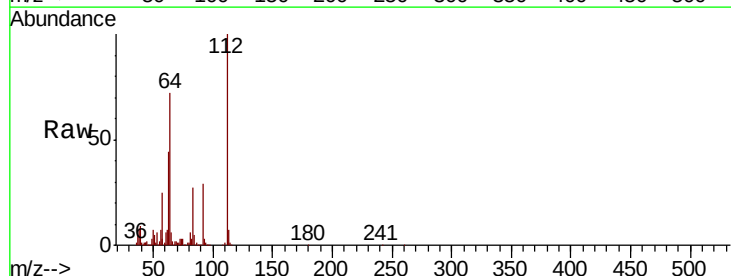
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.303 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG040948.D
Acq: 30 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.5	56.2	84.2
63	43.6	32.8	49.2

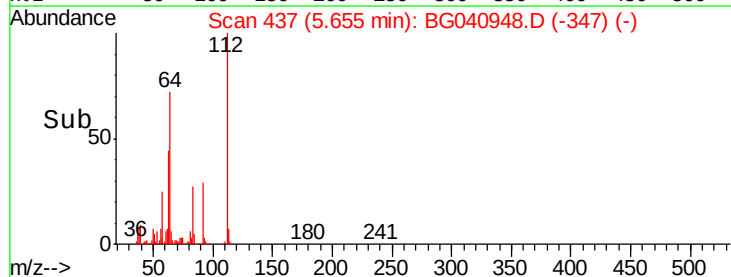
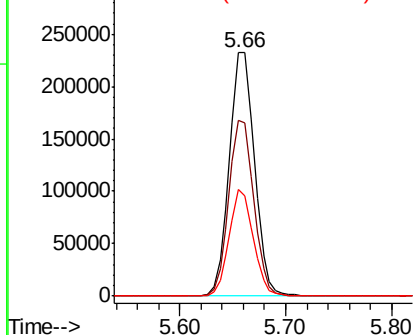


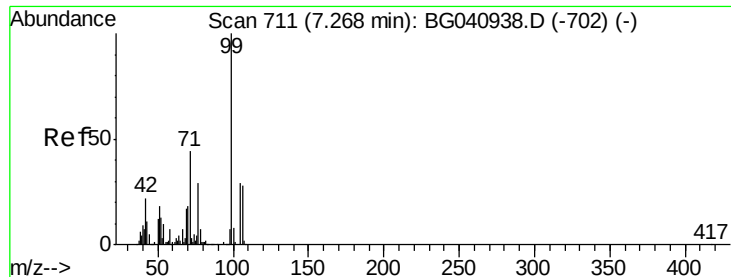
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 99.872 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040948.D

Acq: 30 May 2019 12:35

Instrument :

BNA_G

ClientSampleId :

FESB-1(14.5-15)

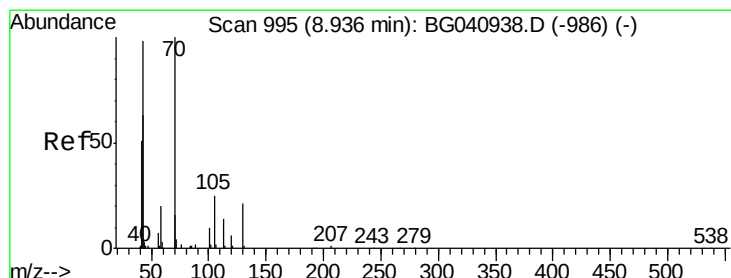
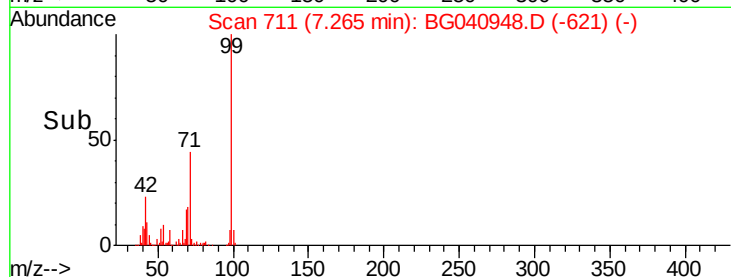
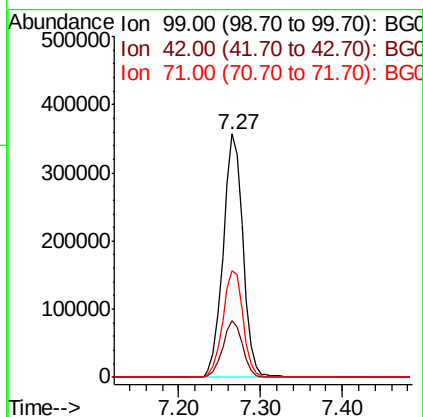
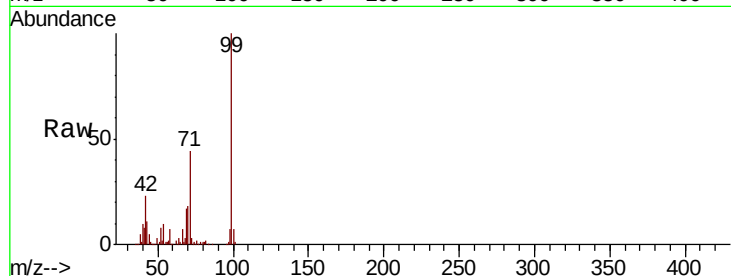
Tot Ion: 99 Resp: 601431

Ion Ratio Lower Upper

99 100

42 23.3 17.9 26.9

71 43.7 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.164 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040948.D

Acq: 30 May 2019 12:35

Tgt Ion: 70 Resp: 56371

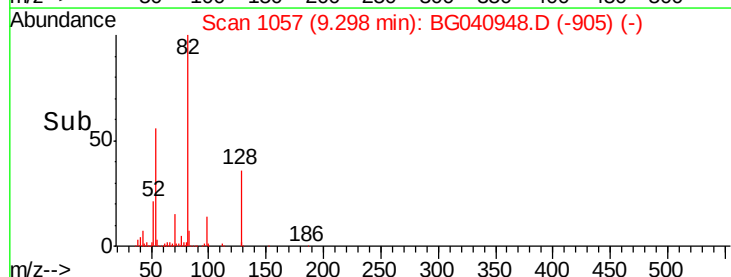
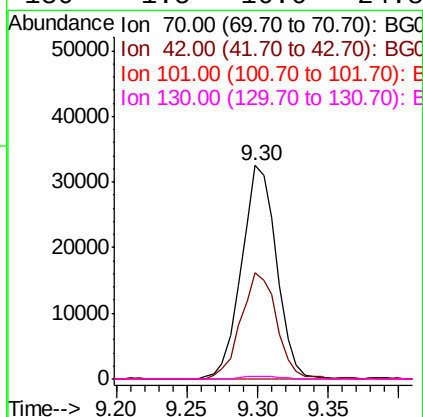
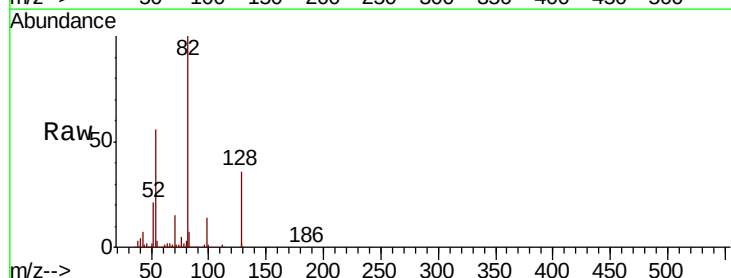
Ion Ratio Lower Upper

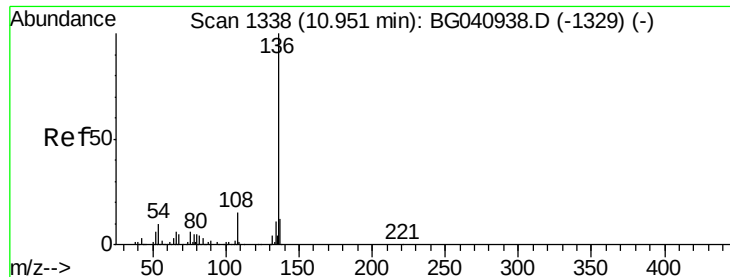
70 100

42 50.0 51.5 77.3#

101 0.0 8.1 12.1#

130 1.5 16.6 24.8#

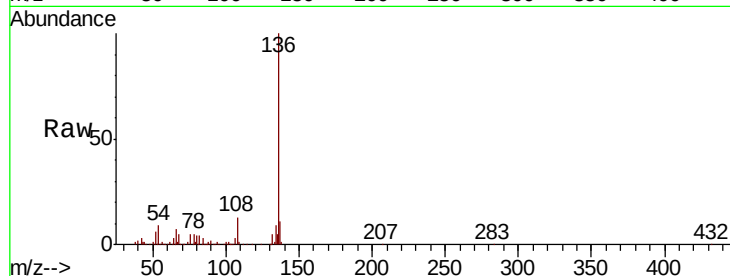




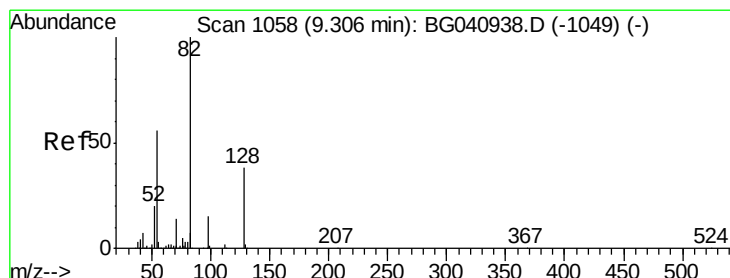
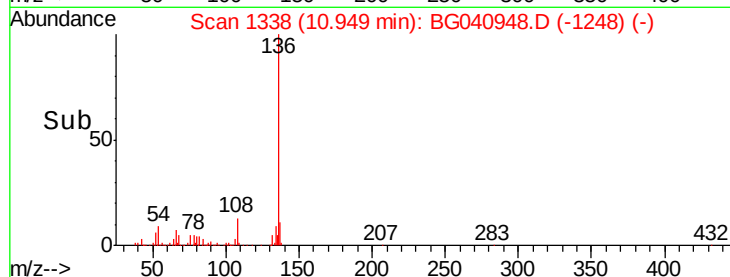
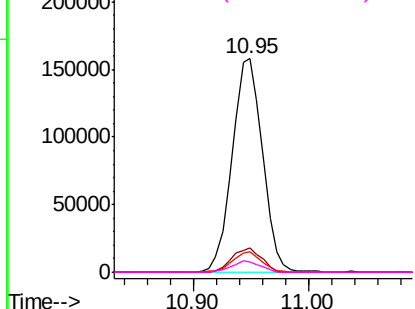
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG040948.D
Acq: 30 May 2019 12:35

Instrument :
BNA_G
ClientSampleId :
FESB-1(14.5-15)

Tot Ion:136	Resp:	287252
Ion Ratio	Lower	Upper
136 100		
137 11.2	9.5	14.3
54 9.8	7.6	11.4
68 4.9	3.9	5.9

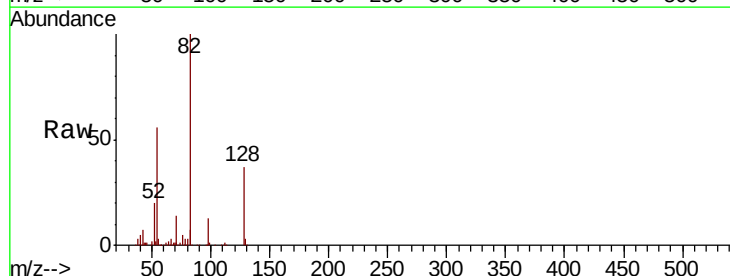


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

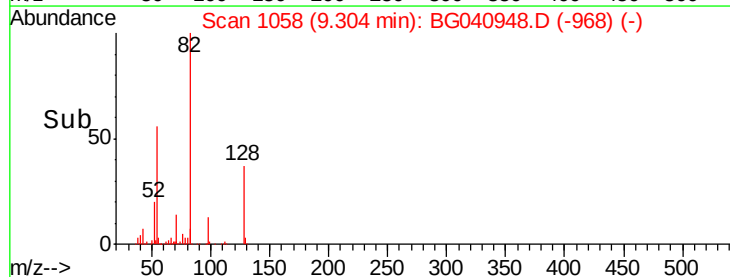
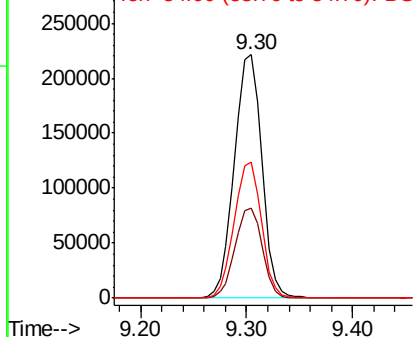


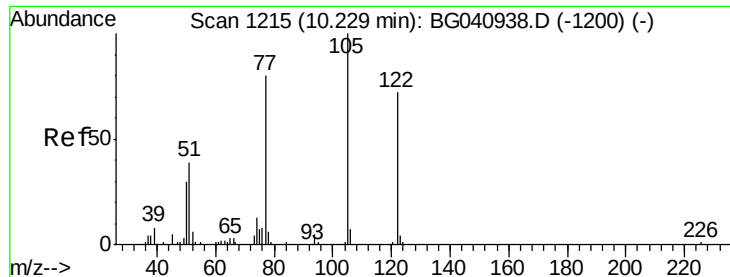
#23
Nitrobenzene-d5
Concen: 61.760 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BG040948.D
Acq: 30 May 2019 12:35

Tgt	Ion: 82	Resp:	399620
Ion	Ratio	Lower	Upper
82	100		
128	37.0	30.5	45.7
54	55.8	44.6	66.8



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

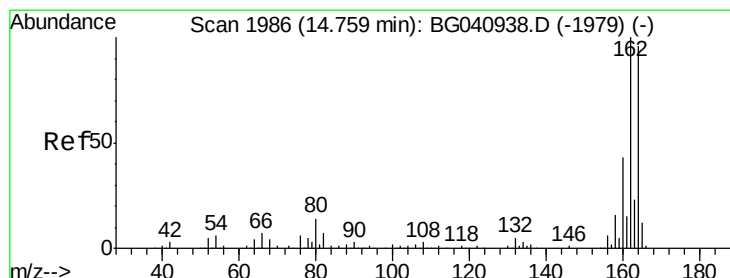
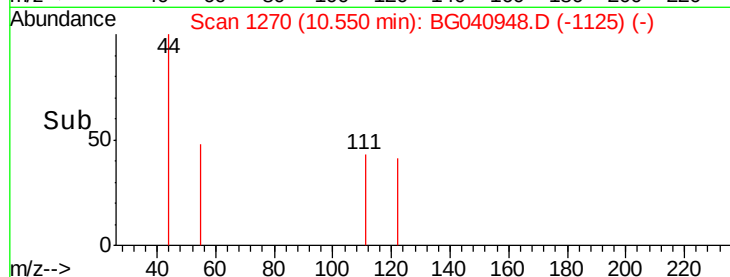
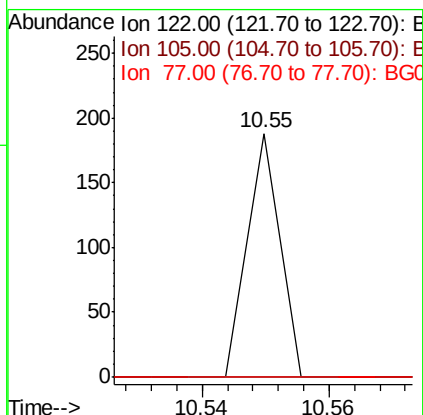
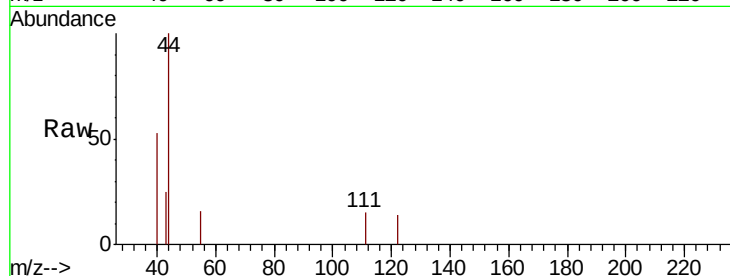




#32
Benzoic acid
Concen: 8.146 ng
RT: 10.55 min Scan# 1270
Delta R.T. 0.32 min
Lab File: BG040948.D
Acq: 30 May 2019 12:35

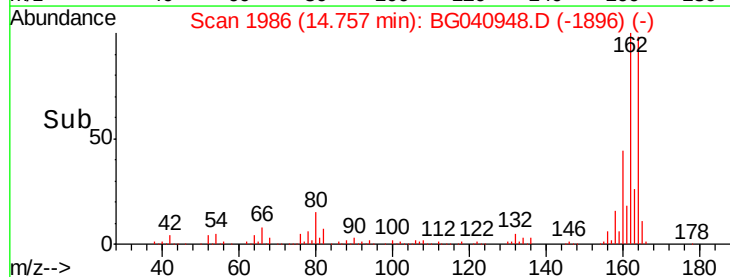
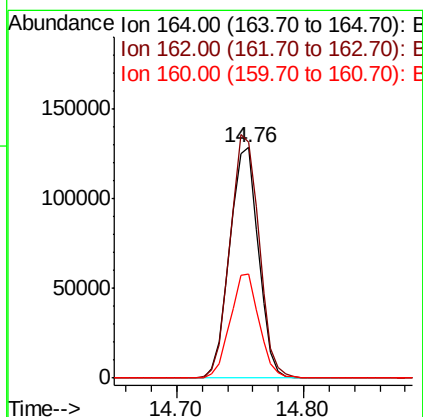
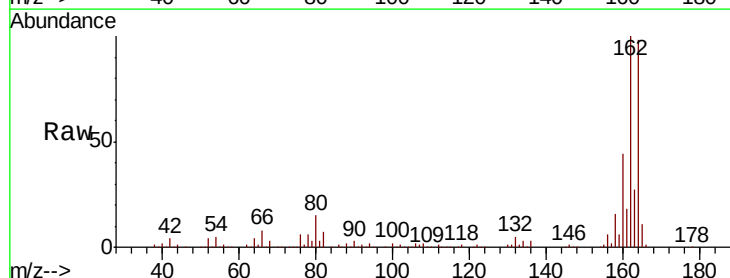
Instrument :
BNA_G
ClientSampleId :
FESB-1(14.5-15)

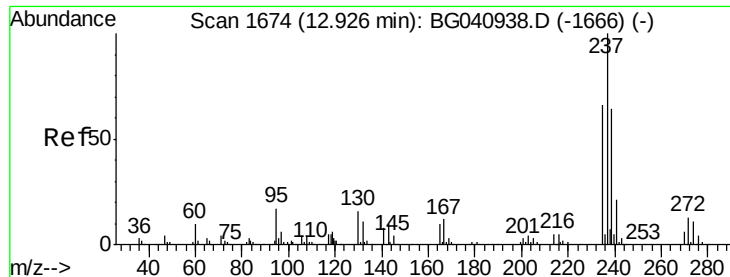
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BG040948.D
Acq: 30 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	83.0	124.4
160	45.1	35.6	53.4





#41

Hexachlorocyclopentadiene

Concen: 8.255 ng

RT: 13.32 min Scan# 1741

Delta R.T. 0.39 min

Lab File: BG040948.D

Acq: 30 May 2019 12:35

Instrument :

BNA_G

ClientSampleId :

FESB-1(14.5-15)

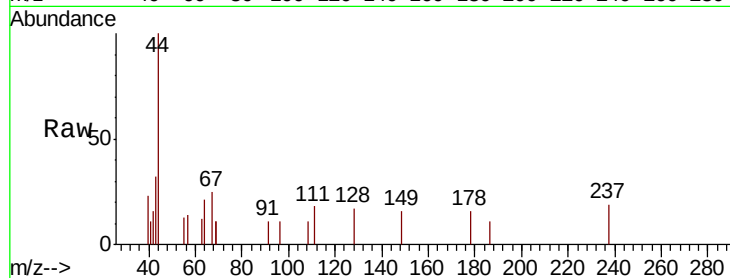
Tot Ion:237 Resp: 97

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

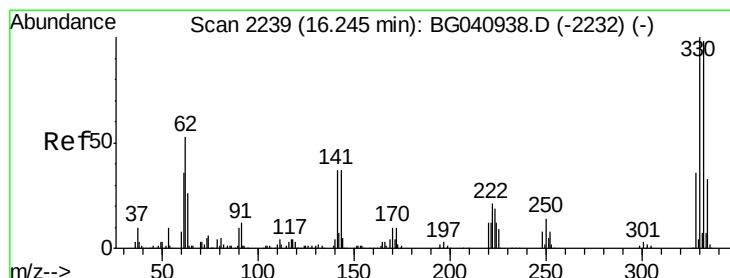
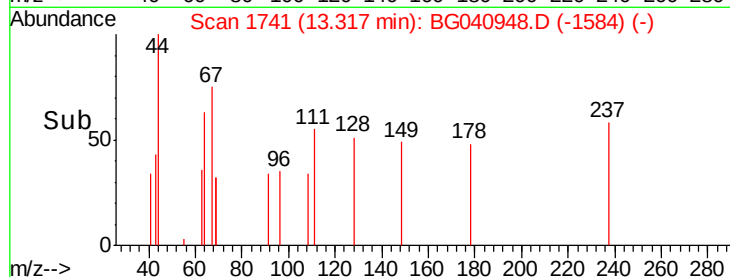
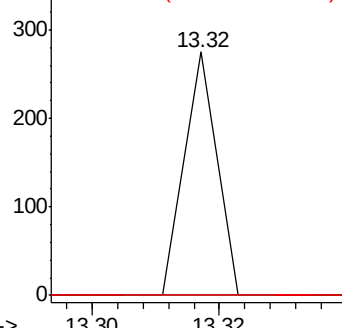
272 0.0 0.0 32.9



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: 90.618 ng

RT: 16.24 min Scan# 2239

Delta R.T. -0.00 min

Lab File: BG040948.D

Acq: 30 May 2019 12:35

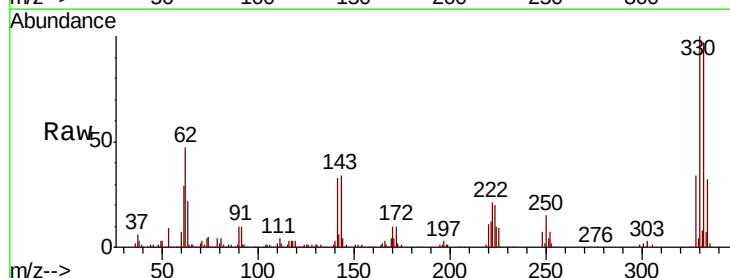
Tgt Ion:330 Resp: 270939

Ion Ratio Lower Upper

330 100

332 98.3 78.5 117.7

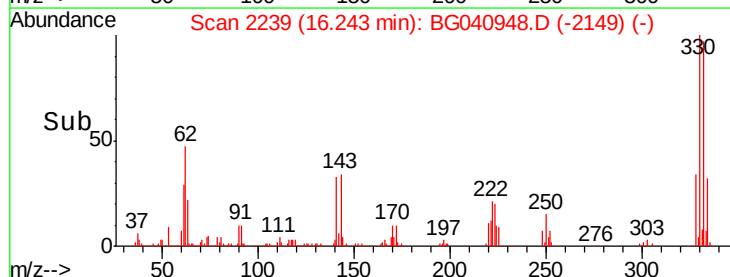
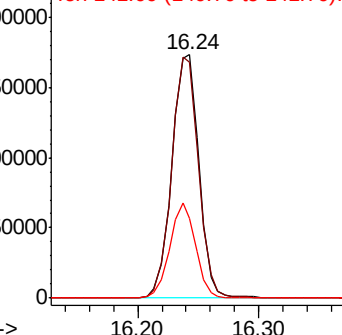
141 37.4 28.7 43.1

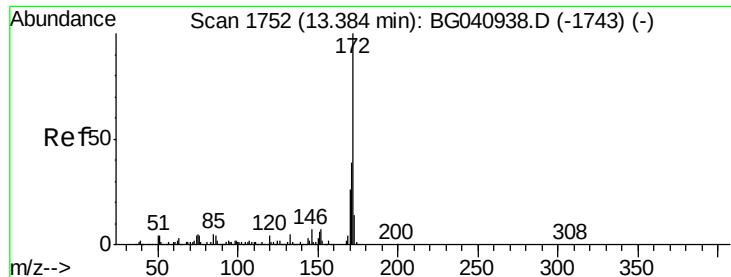


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 64.977 ng

RT: 13.38 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BG040948.D

Acq: 30 May 2019 12:35

Instrument :

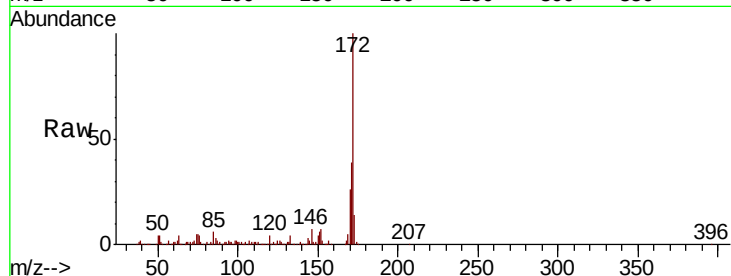
BNA_G

ClientSampleId :

FESB-1(14.5-15)

Tot Ion:172 Resp: 908698

Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.1	46.7
170	25.7	20.5	30.7

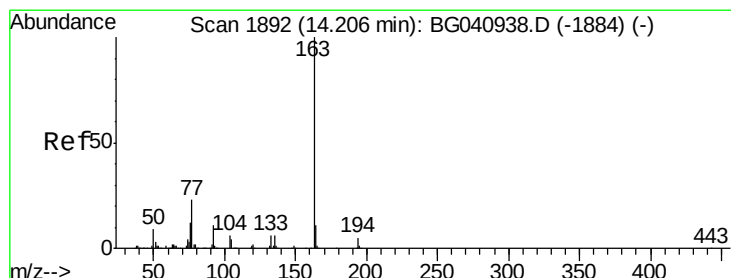
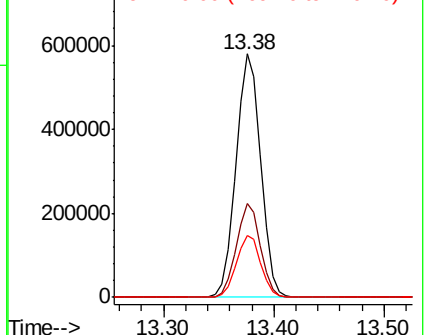
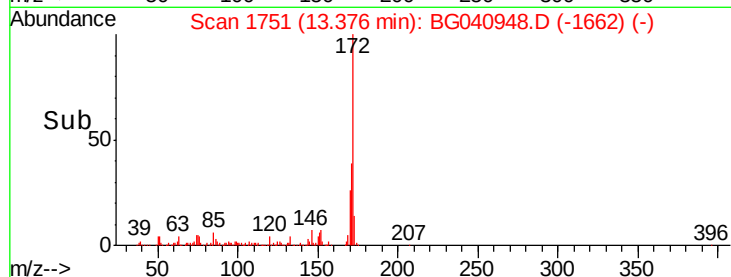


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 9.000 ng

RT: 14.19 min Scan# 1890

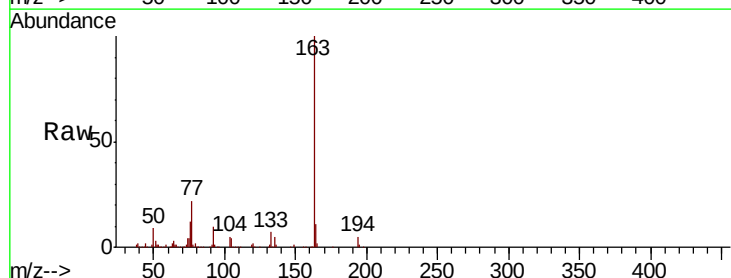
Delta R.T. -0.01 min

Lab File: BG040948.D

Acq: 30 May 2019 12:35

Tgt Ion:163 Resp: 153428

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.8	5.8
164	10.7	8.7	13.1

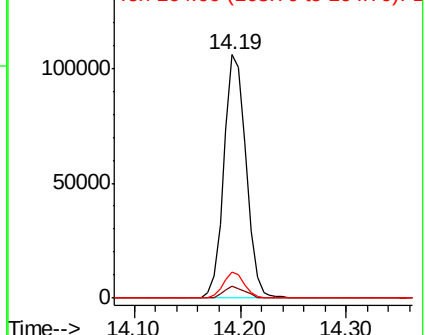
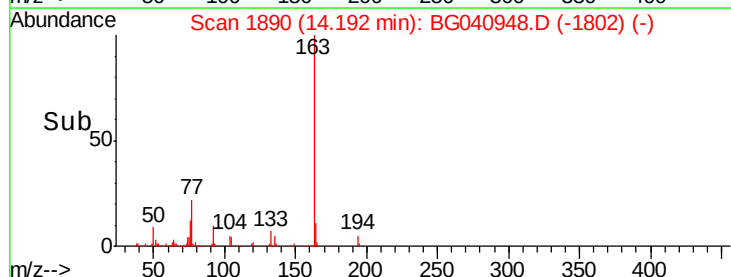


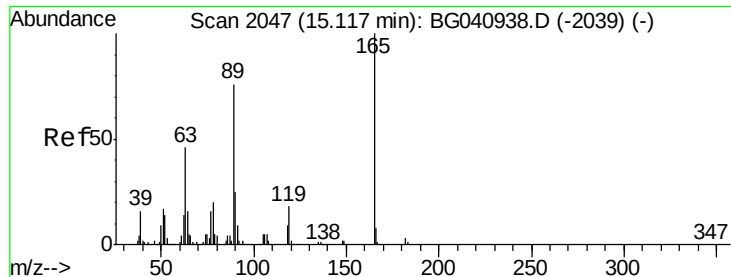
Abundance

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

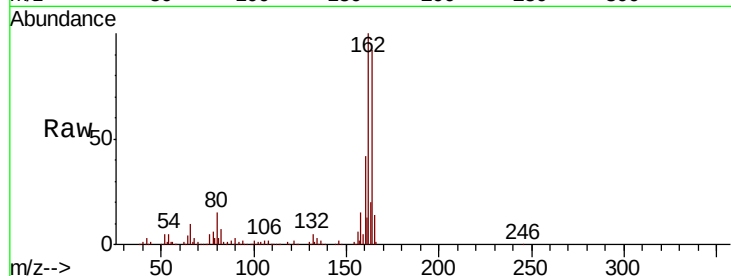




#57
2,4-Dinitrotoluene
Concen: 4.938 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.37 min
Lab File: BG040948.D
Acq: 30 May 2019 12:35

Instrument :
BNA_G
ClientSampleId :
FESB-1(14.5-15)

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	37.3	55.9#
89	2.9	61.0	91.6#
182	0.0	2.2	3.2#

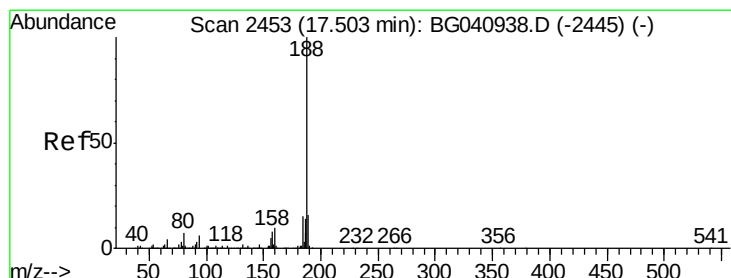
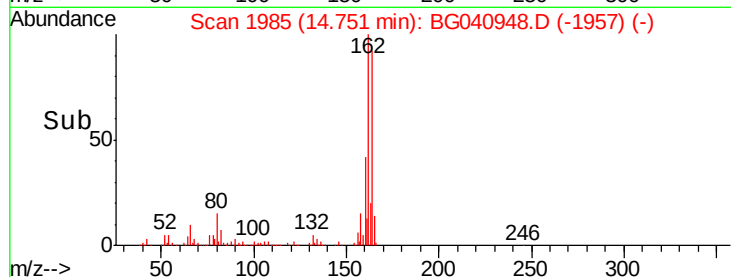
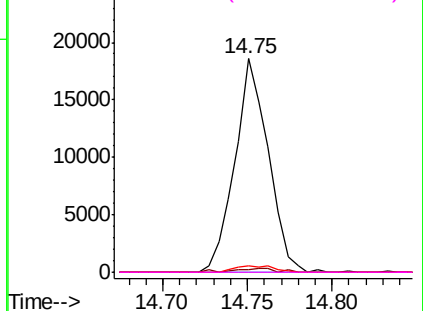


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

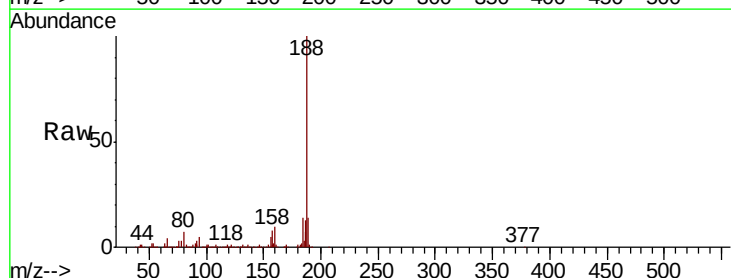
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG040948.D
Acq: 30 May 2019 12:35

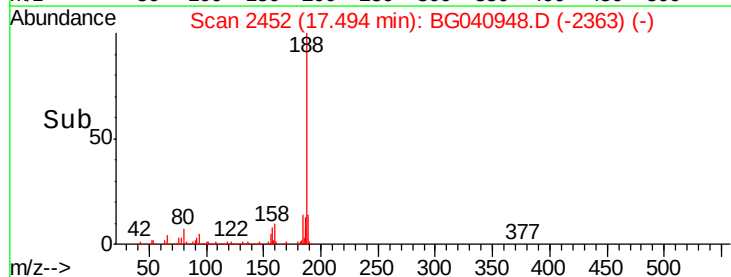
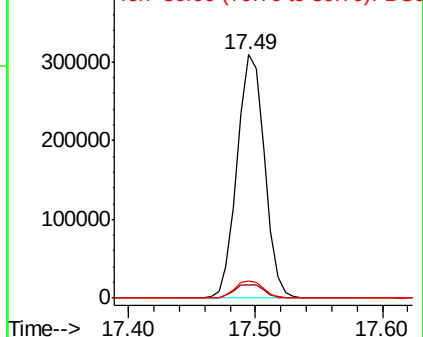
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	4.7	7.1
80	7.2	5.8	8.8

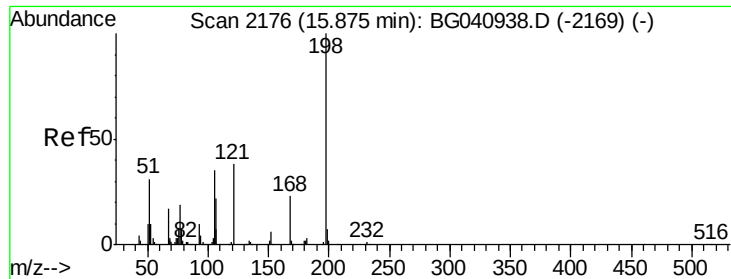


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

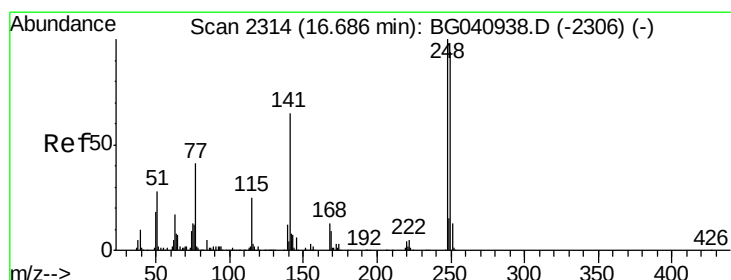
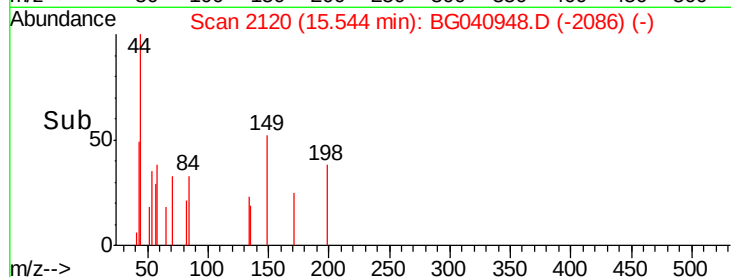
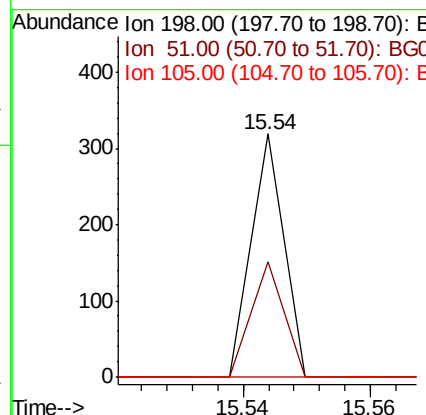
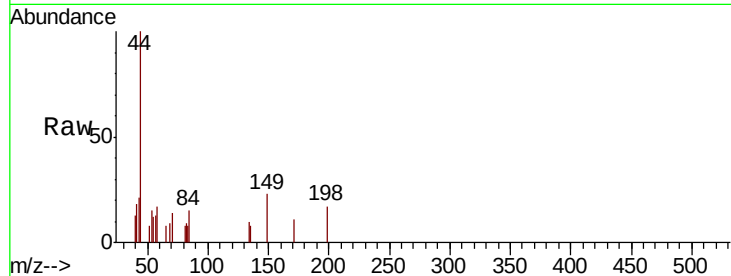




#65
4,6-Dinitro-2-methylphenol
Concen: 8.627 ng
RT: 15.54 min Scan# 2120
Delta R.T. -0.33 min
Lab File: BG040948.D
Acq: 30 May 2019 12:35

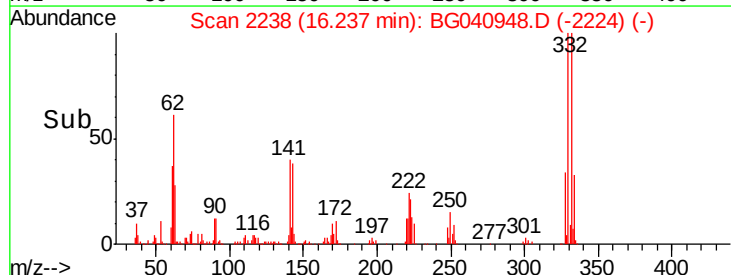
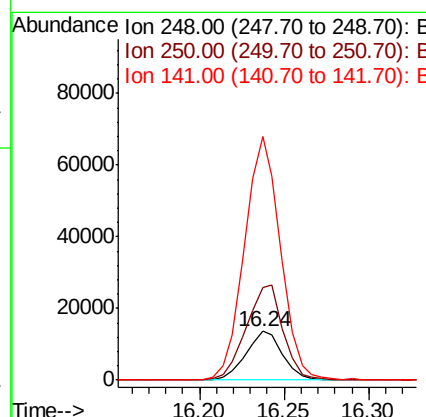
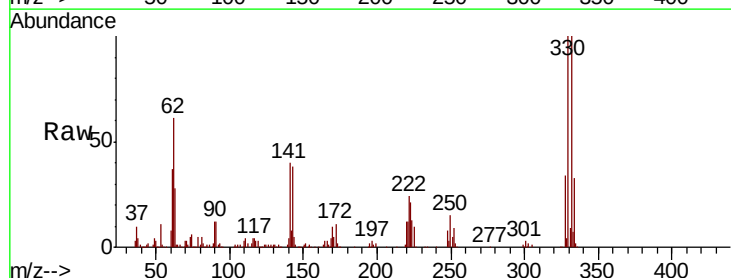
Instrument :
BNA_G
ClientSampleId :
FESB-1(14.5-15)

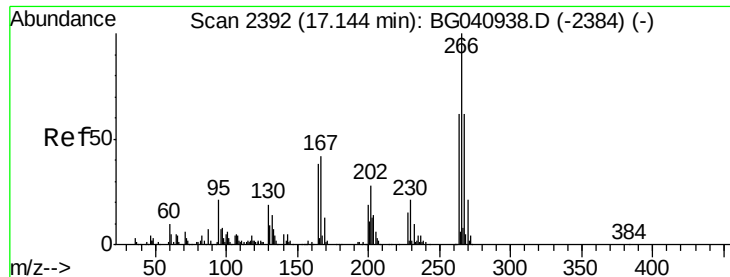
Tot Ion:198 Resp: 113
Ion Ratio Lower Upper
198 100
51 47.6 21.6 61.6
105 0.0 17.5 57.5#



#67
4-Bromophenyl-phenylether
Concen: 3.289 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.45 min
Lab File: BG040948.D
Acq: 30 May 2019 12:35

Tgt Ion:248 Resp: 20539
Ion Ratio Lower Upper
248 100
250 189.3 75.0 112.4#
141 500.9 52.4 78.6#





#70

Pentachlorophenol

Concen: 4.270 ng

RT: 17.15 min Scan# 2394

Delta R.T. 0.01 min

Lab File: BG040948.D

Acq: 30 May 2019 12:35

Instrument :

BNA_G

ClientSampleId :

FESB-1(14.5-15)

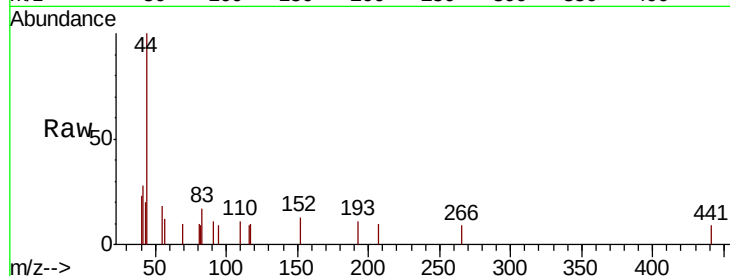
Tot Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

264 0.0 49.9 74.9#

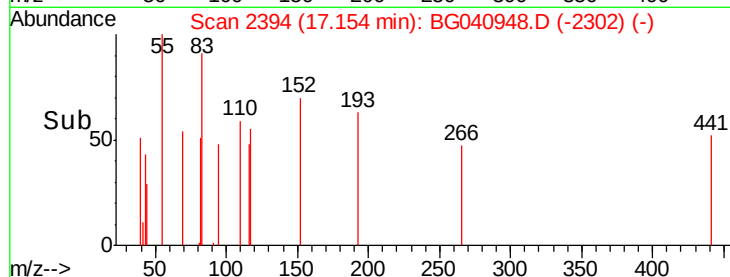


Abundance Ion 265.70 (265.40 to 266.40): E

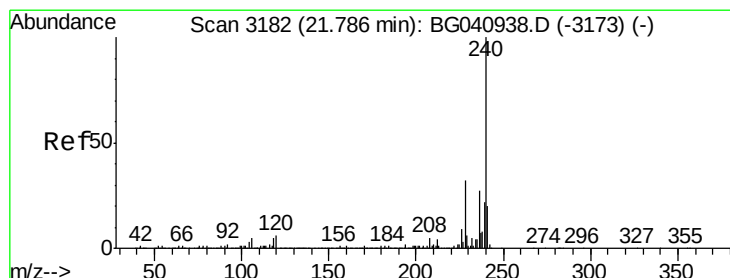
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

17.15



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG040948.D

Acq: 30 May 2019 12:35

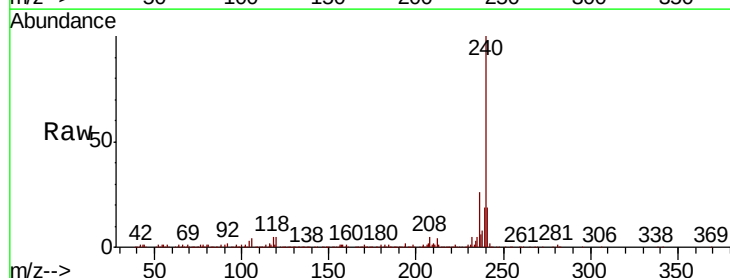
Tgt Ion:240 Resp: 457960

Ion Ratio Lower Upper

240 100

120 5.3 4.5 6.7

236 25.8 21.3 31.9

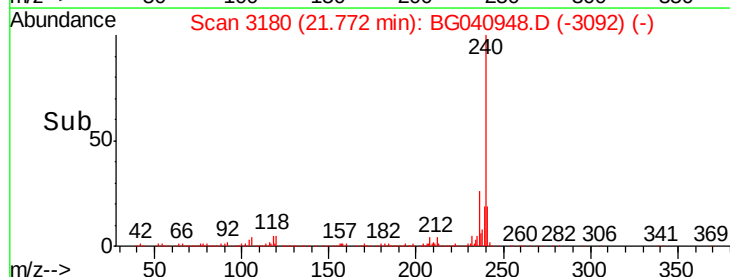


Abundance Ion 240.00 (239.70 to 240.70): E

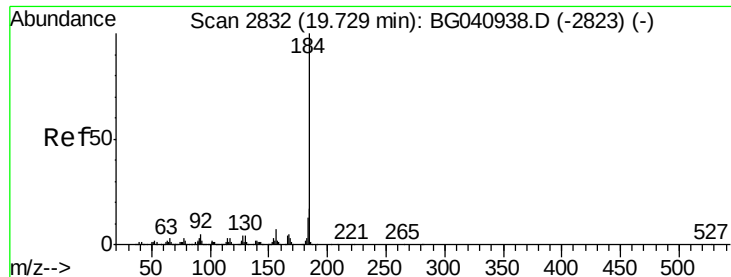
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.77



Time-->



#77

Benzidine

Concen: 2.084 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040948.D

Acq: 30 May 2019 12:35

Instrument :

BNA_G

ClientSampleId :

FESB-1(14.5-15)

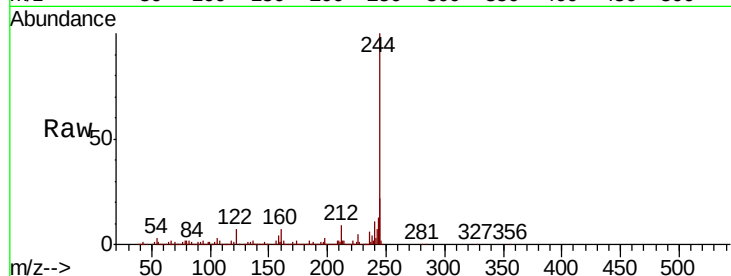
Tot Ion:184 Resp: 22762

Ion Ratio Lower Upper

184 100

185 14.8 13.3 19.9

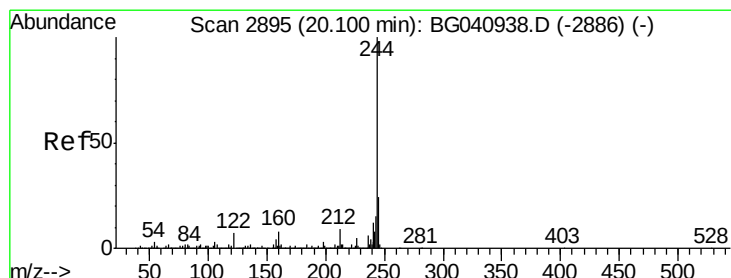
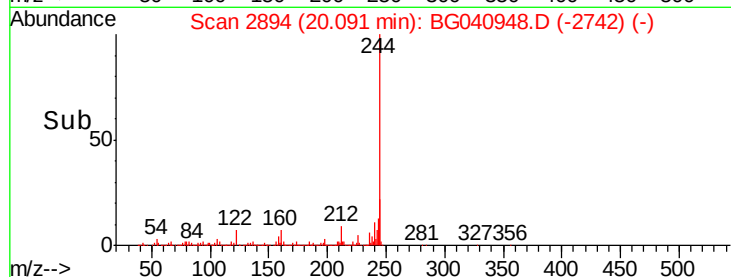
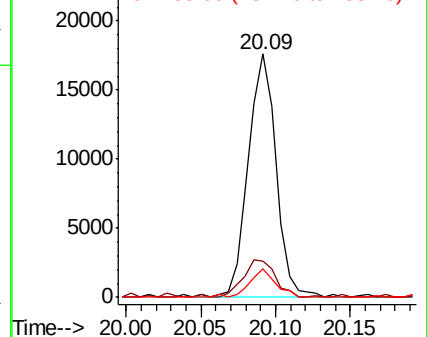
183 11.8 10.7 16.1



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



#79

Terphenyl-d14

Concen: 61.380 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040948.D

Acq: 30 May 2019 12:35

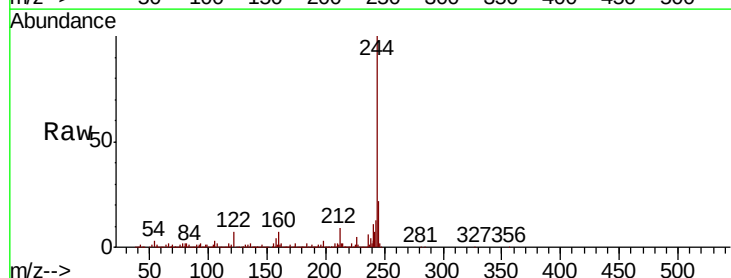
Tgt Ion:244 Resp: 1324456

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.4

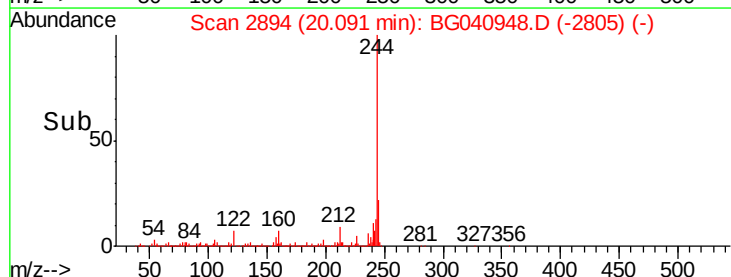
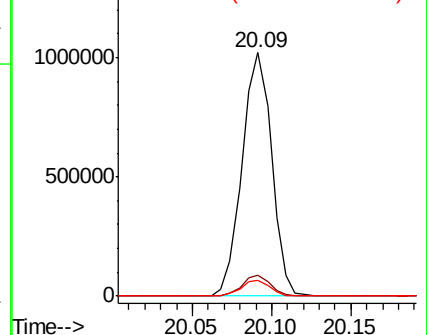
122 6.7 5.4 8.0

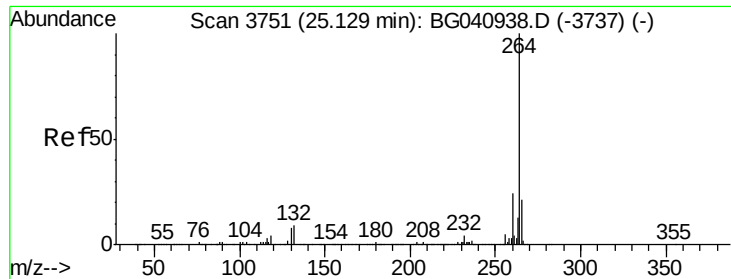


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3749
 Delta R.T. -0.01 min
 Lab File: BG040948.D
 Acq: 30 May 2019 12:35

Instrument :
 BNA_G
 ClientSampleId :
 FESB-1(14.5-15)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	22.4	17.0	25.4

