

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
 Data File : BG041028.D
 Acq On : 3 Jun 2019 11:11
 Operator : HP/JU
 Sample : K3010-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FESB-20(2.5-3)

Quant Time: Jun 03 15:26:00 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

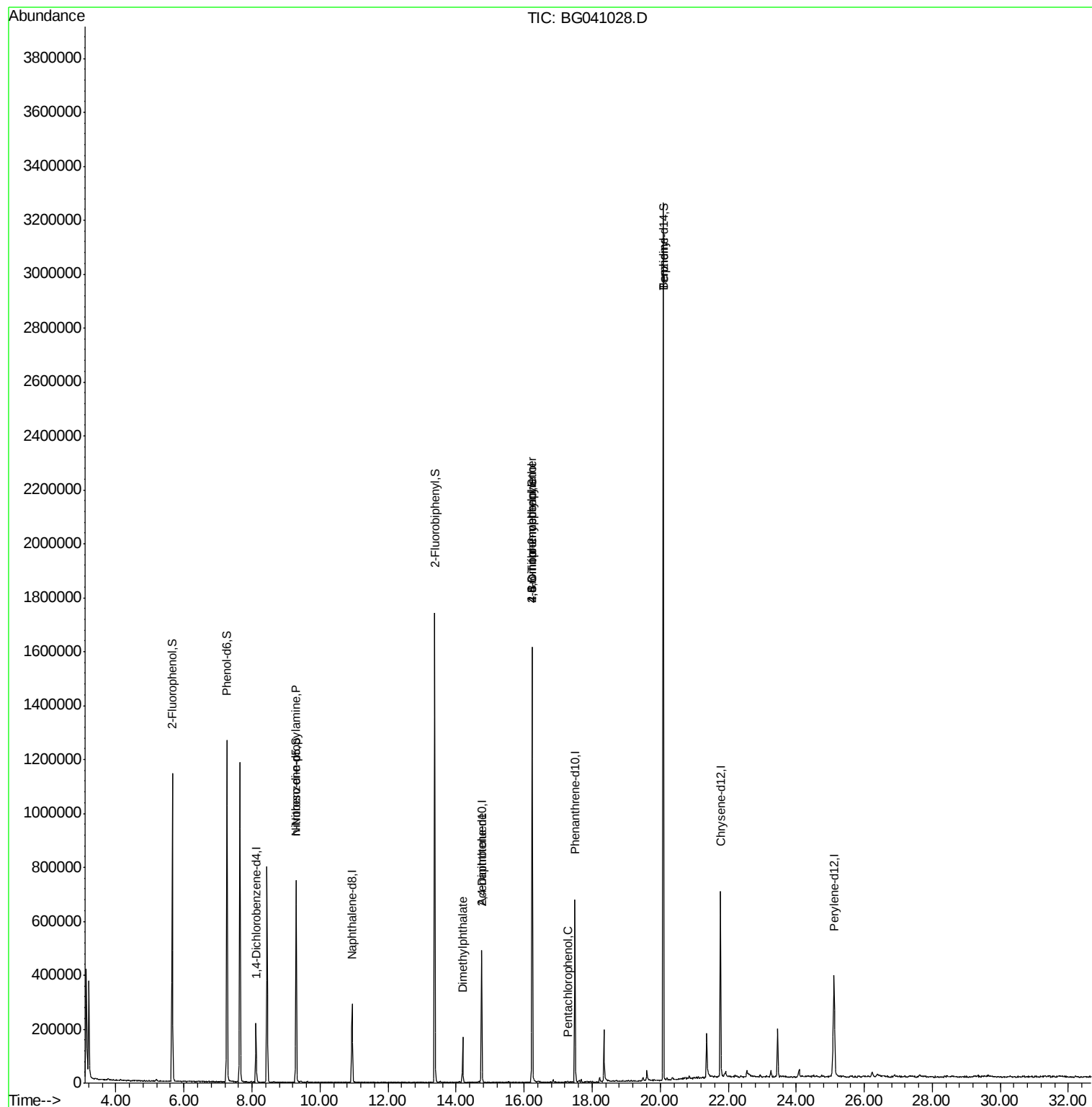
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	57706	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	231381	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	164358	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	416787	20.00	ng	0.00
76) Chrysene-d12	21.77	240	424818	20.00	ng	-0.01
87) Perylene-d12	25.11	264	446967	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	446959	139.67	ng	0.00
7) Phenol-d6	7.27	99	652270	131.98	ng	0.00
23) Nitrobenzene-d5	9.30	82	457512	87.78	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	313852	128.63	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	904139	79.22	ng	0.00
79) Terphenyl-d14	20.09	244	1512863	75.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	65064	17.107	ng	Qvalue # 78
50) Dimethylphthalate	14.19	163	107962	7.760	ng	# 99
57) 2,4-Dinitrotoluene	14.74	165	21823	5.150	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.24	198	1146	9.011	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	23354	4.152	ng	# 1
70) Pentachlorophenol	17.28	266	60	4.274	ng	# 18
77) Benzidine	20.09	184	25283	2.495	ng	97

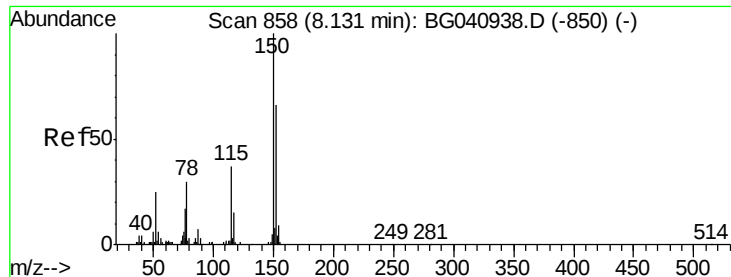
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FESB-20(2.5-3)

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QLast Update : Wed May 29 18:39:57 2019
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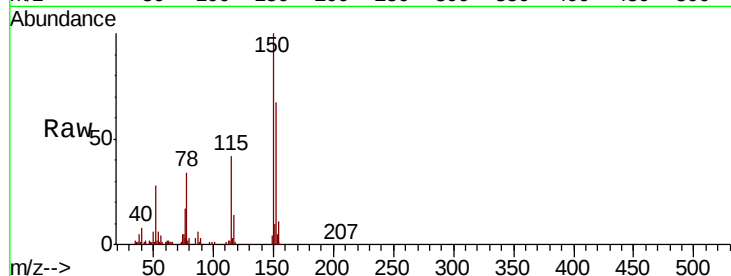


#1

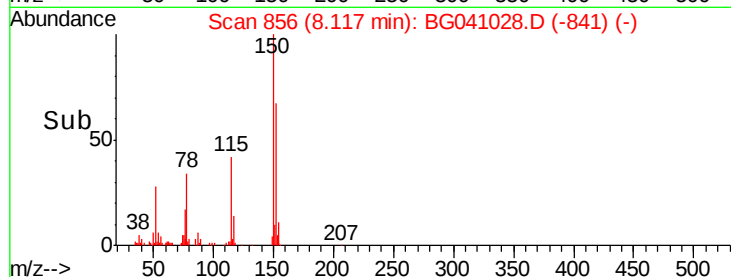
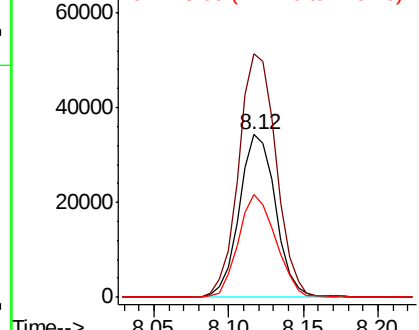
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

Instrument :
BNA_G
ClientSampleId :
FESB-20(2.5-3)

Tot Ion:152 Resp: 57706
Ion Ratio Lower Upper
152 100
150 149.9 120.6 180.8
115 63.0 45.1 67.7



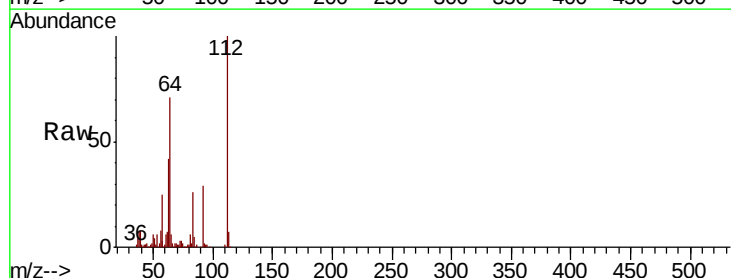
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



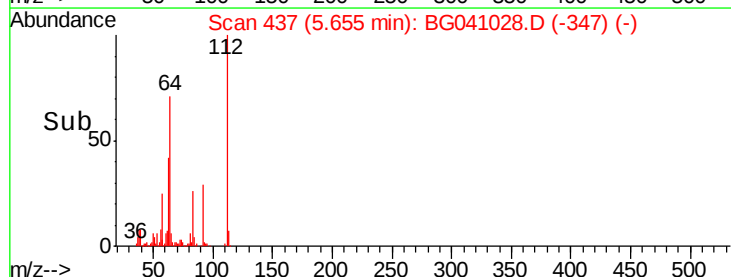
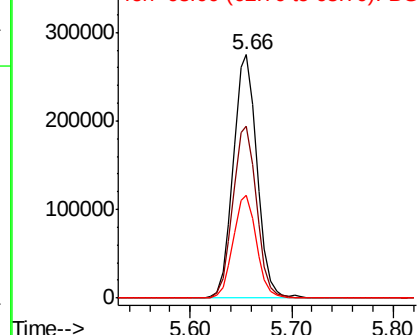
#5

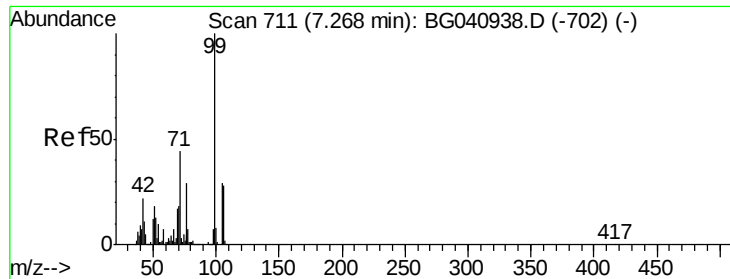
2-Fluorophenol
Concen: 139.667 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

Tgt Ion:112 Resp: 446959
Ion Ratio Lower Upper
112 100
64 70.8 56.2 84.2
63 42.4 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 131.976 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

Instrument :

BNA_G

ClientSampleId :

FESB-20(2.5-3)

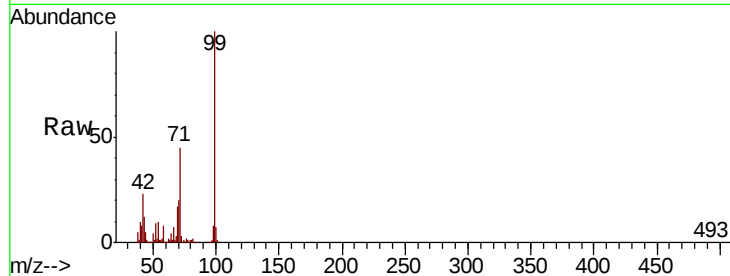
Tot Ion: 99 Resp: 652270

Ion Ratio Lower Upper

99 100

42 23.5 17.9 26.9

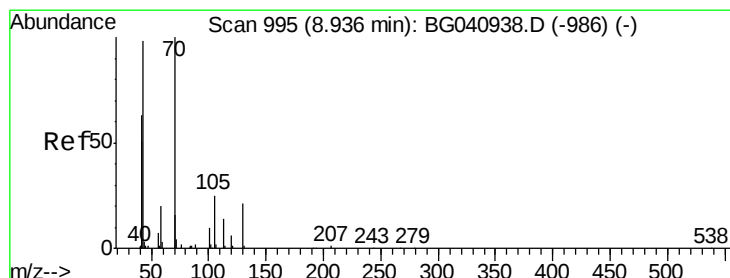
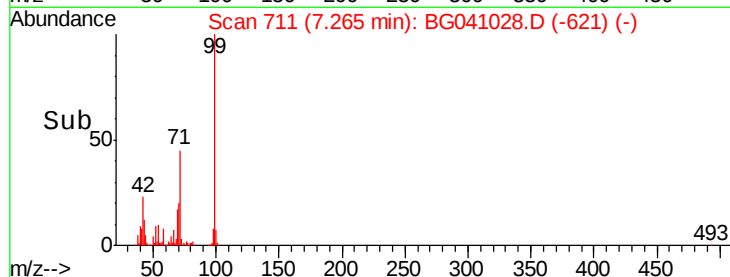
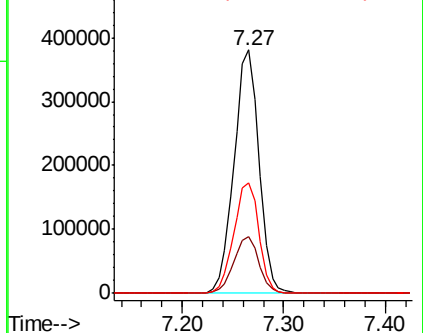
71 45.5 35.4 53.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.107 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

Tgt Ion: 70 Resp: 65064

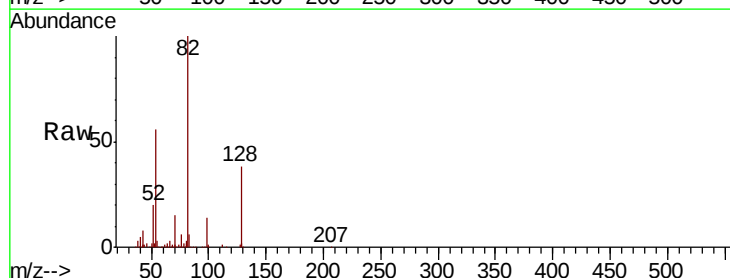
Ion Ratio Lower Upper

70 100

42 53.0 51.5 77.3

101 0.0 8.1 12.1#

130 1.3 16.6 24.8#

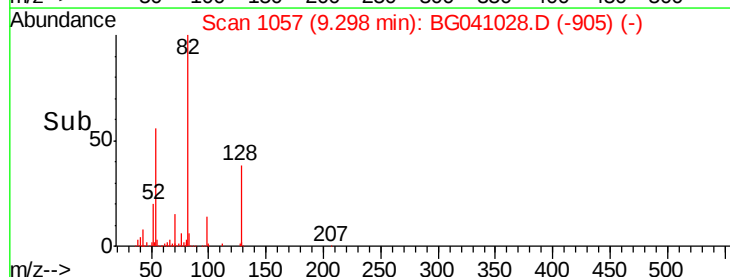
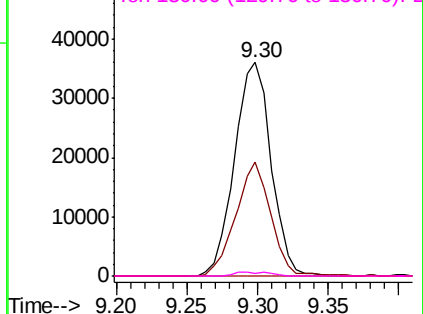


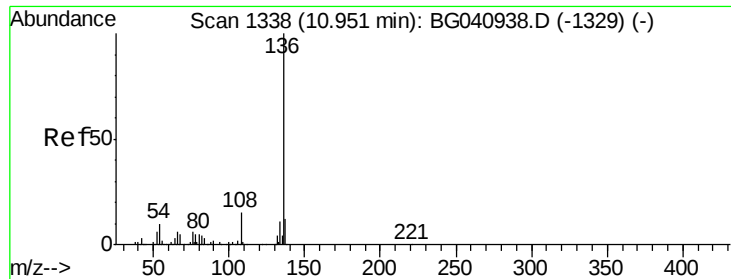
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

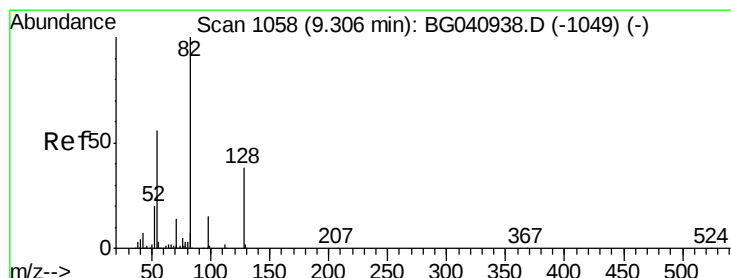
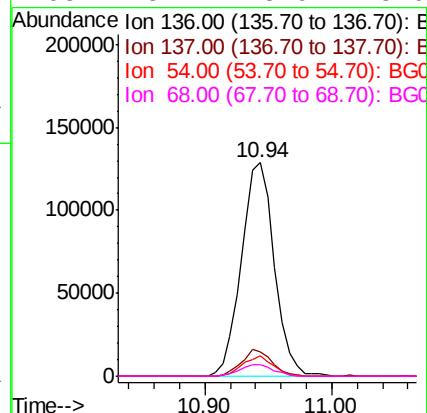
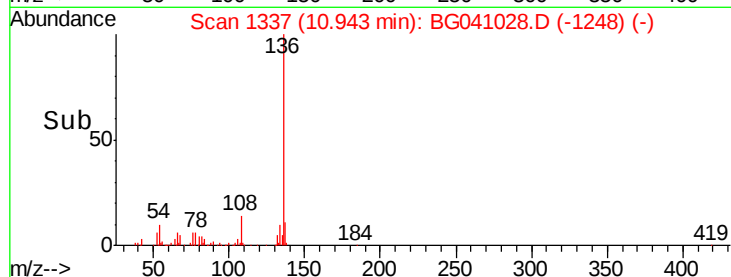
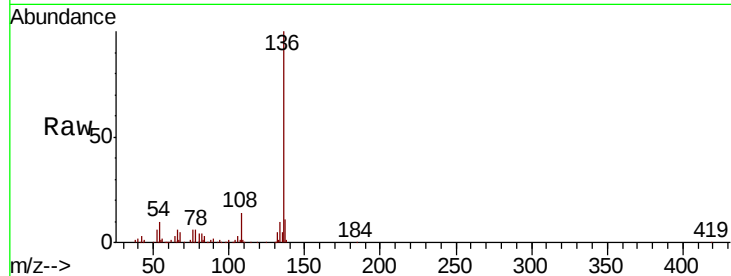




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

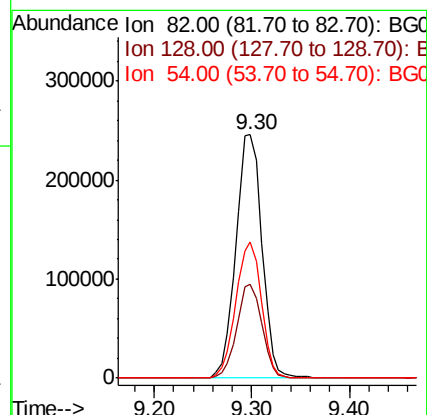
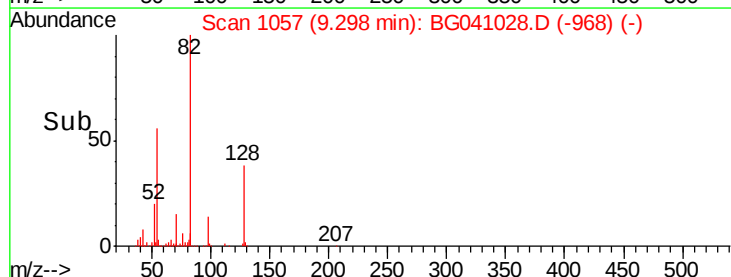
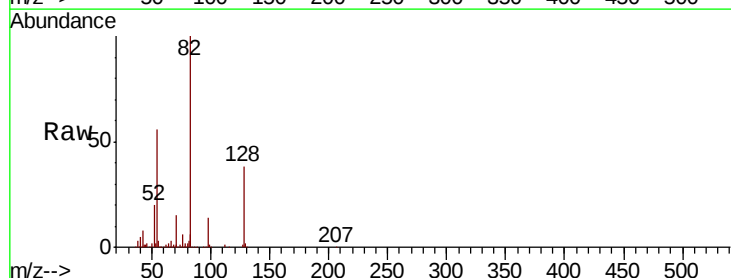
Instrument :
BNA_G
ClientSampleId :
FESB-20(2.5-3)

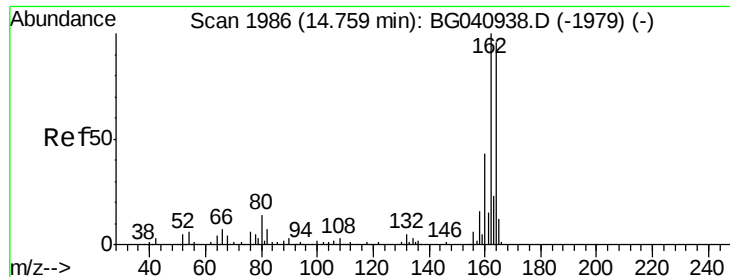
Tot Ion:136	Resp:	231381
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.5	14.3
54 9.6	7.6	11.4
68 5.4	3.9	5.9



#23
Nitrobenzene-d5
Concen: 87.780 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

Tgt	Ion: 82	Resp:	457512
Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.5	45.7
54	55.9	44.6	66.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

Instrument :

BNA_G

ClientSampleId :

FESB-20(2.5-3)

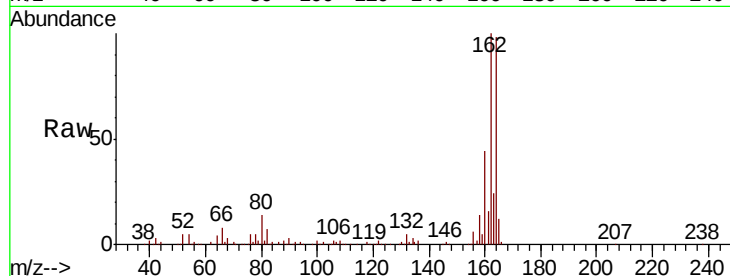
Tot Ion:164 Resp: 164358

Ion Ratio Lower Upper

164 100

162 101.5 83.0 124.4

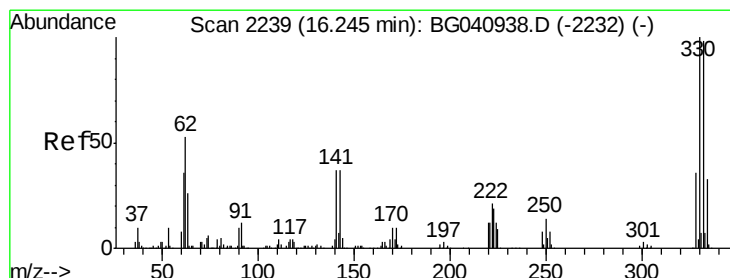
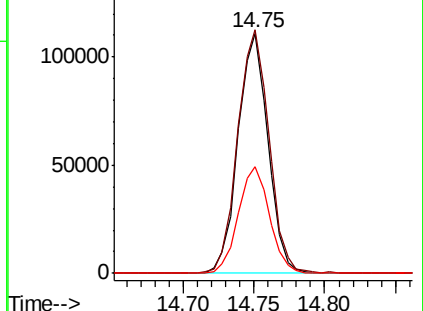
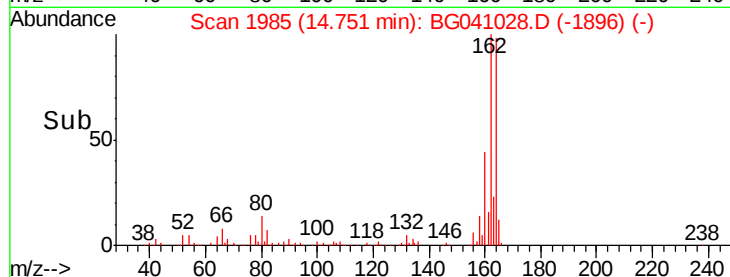
160 44.7 35.6 53.4



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



#42

2,4,6-Tribromophenol

Concen: 128.627 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

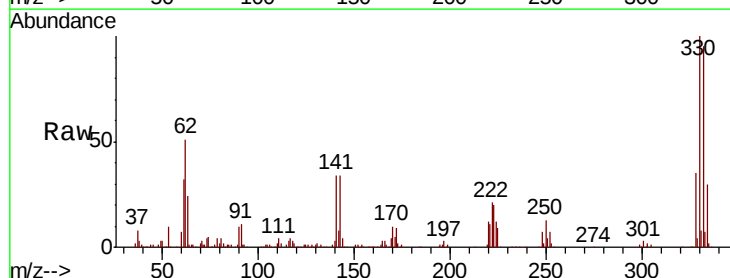
Tgt Ion:330 Resp: 313852

Ion Ratio Lower Upper

330 100

332 95.0 78.5 117.7

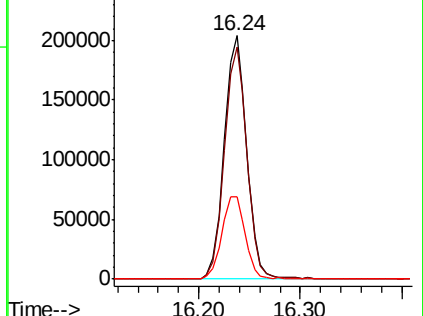
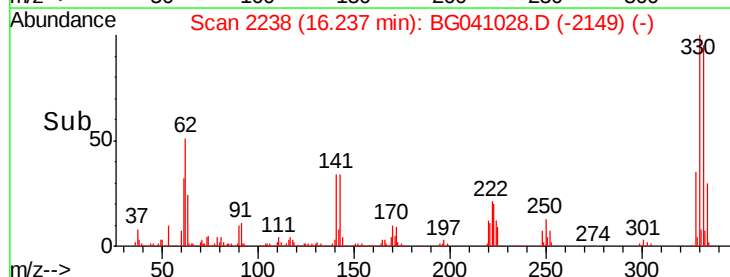
141 35.5 28.7 43.1

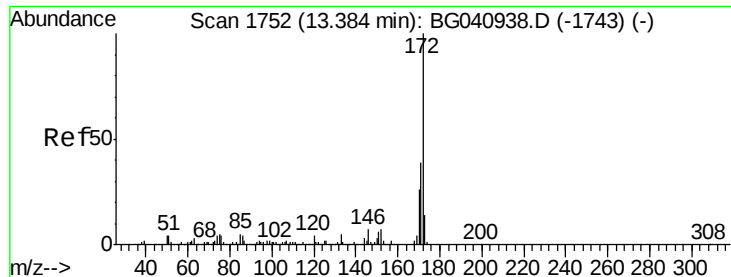


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

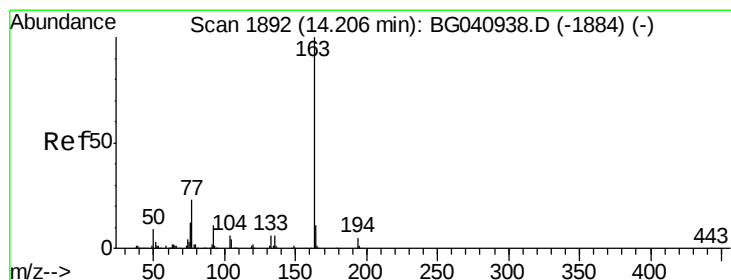
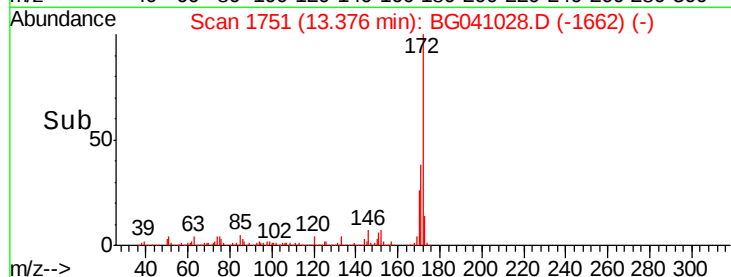
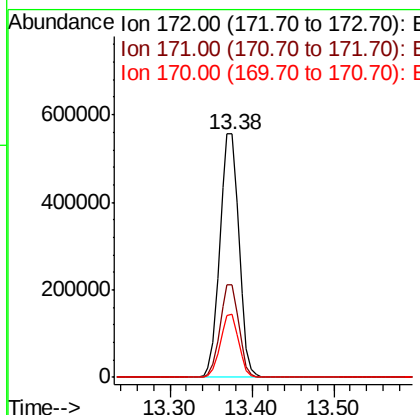
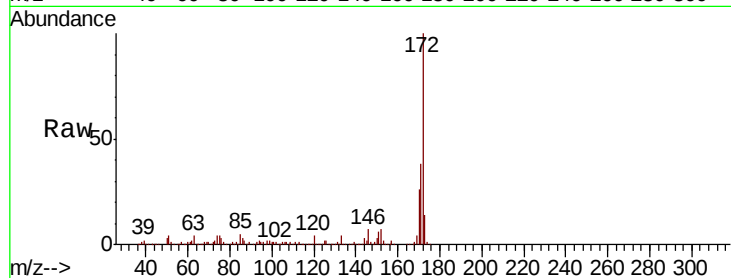




#45
2-Fluorobiphenyl
Concen: 79.221 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

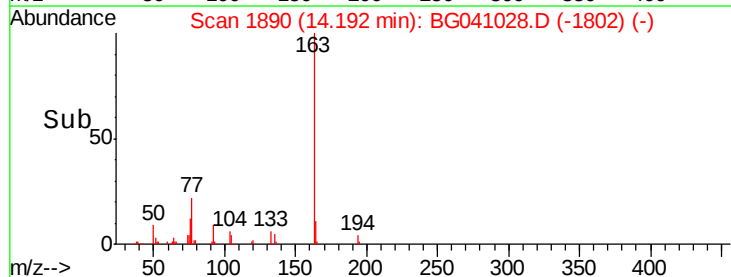
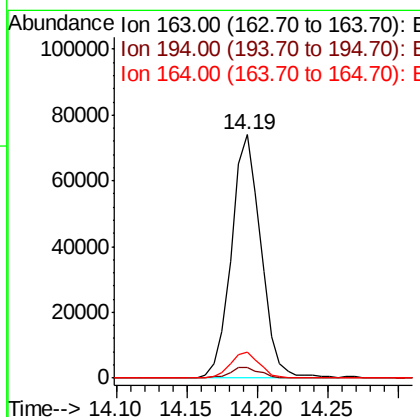
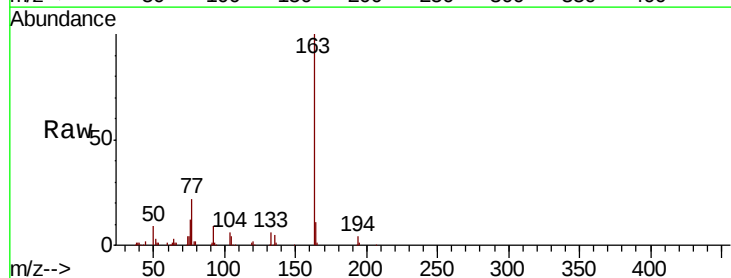
Instrument :
BNA_G
ClientSampleId :
FESB-20(2.5-3)

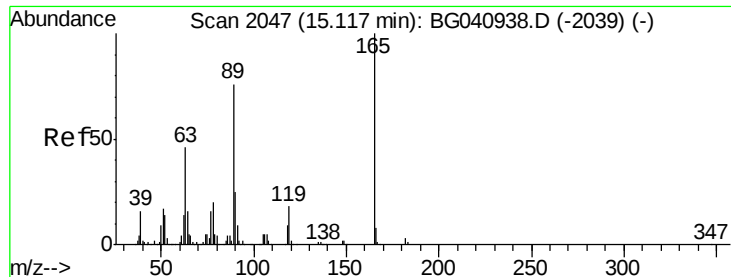
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.1	46.7
170	25.7	20.5	30.7



#50
Dimethylphthalate
Concen: 7.760 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.8	5.8
164	10.7	8.7	13.1

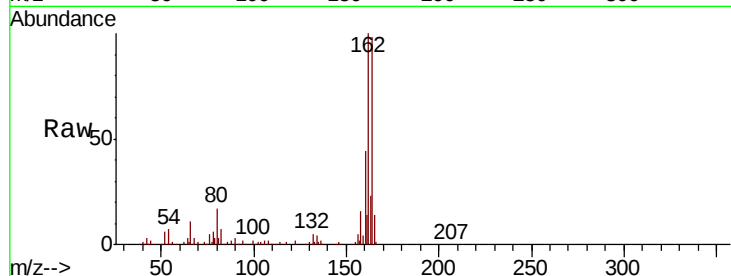




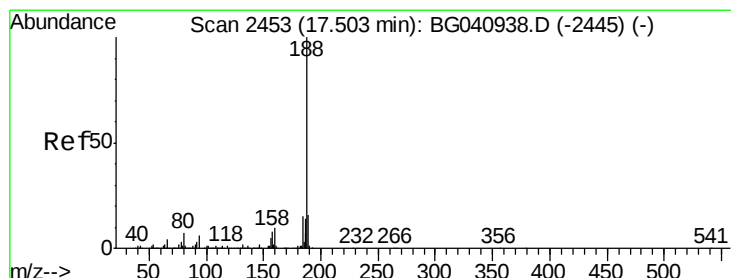
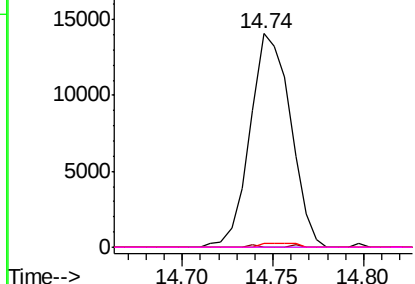
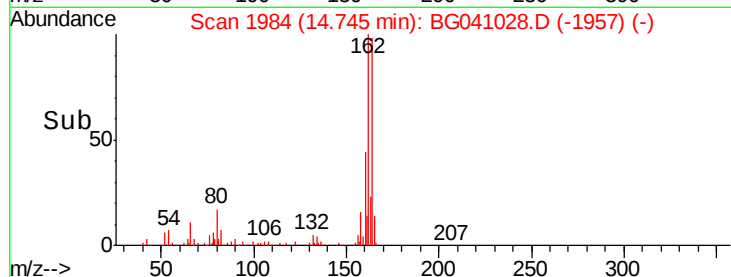
#57
 2,4-Dinitrotoluene
 Concen: 5.150 ng
 RT: 14.74 min Scan# 1984
 Delta R.T. -0.37 min
 Lab File: BG041028.D
 Acq: 3 Jun 2019 11:11

Instrument :
 BNA_G
 ClientSampleId :
 FESB-20(2.5-3)

Tot Ion:165 Resp: 21823
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.3 55.9#
 89 1.7 61.0 91.6#
 182 0.0 2.2 3.2#

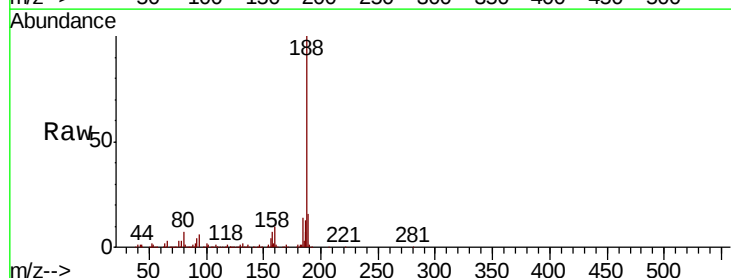


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

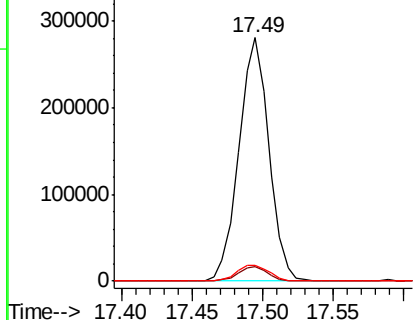
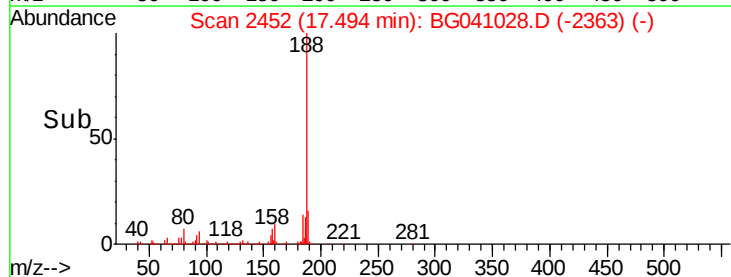


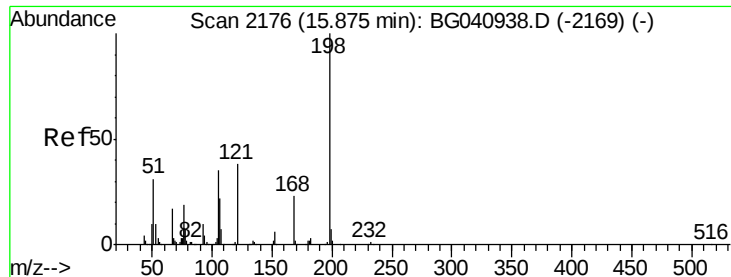
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: BG041028.D
 Acq: 3 Jun 2019 11:11

Tgt Ion:188 Resp: 416787
 Ion Ratio Lower Upper
 188 100
 94 6.2 4.7 7.1
 80 6.7 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

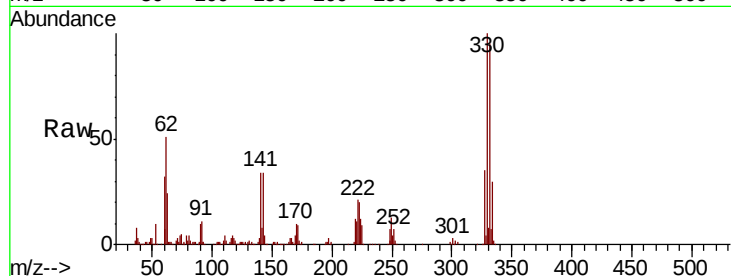




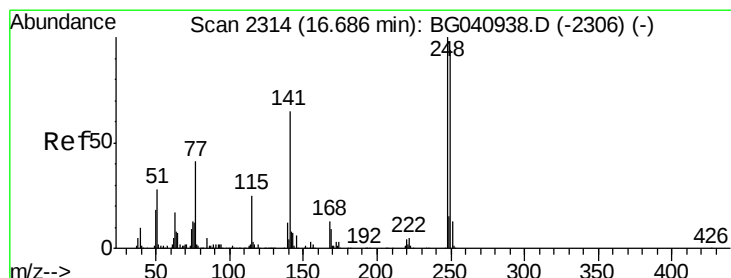
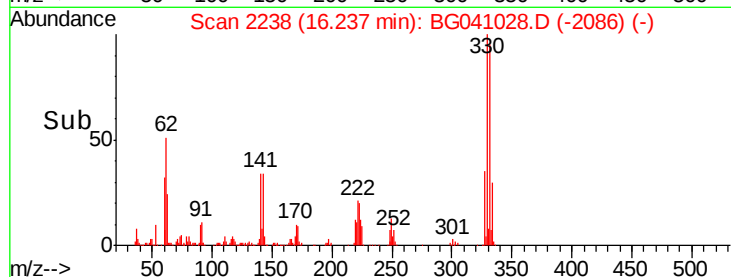
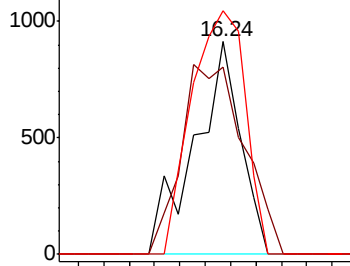
#65
4,6-Dinitro-2-methylphenol
Concen: 9.011 ng
RT: 16.24 min Scan# 2238
Delta R.T. 0.36 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

Instrument :
BNA_G
ClientSampleId :
FESB-20(2.5-3)

Tot Ion:198 Resp: 1146
Ion Ratio Lower Upper
198 100
51 88.4 21.6 61.6#
105 114.7 17.5 57.5#

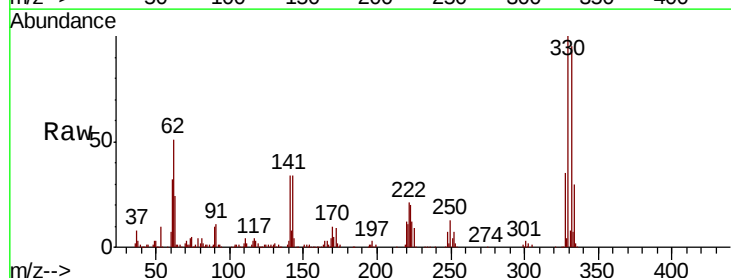


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

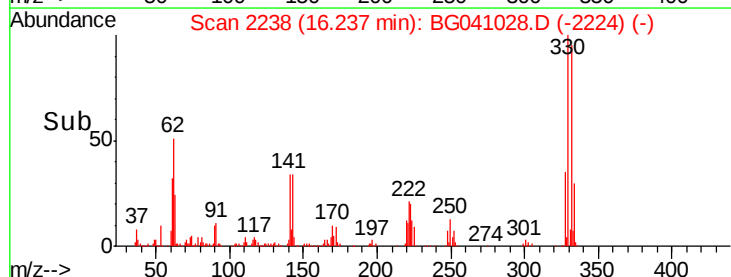
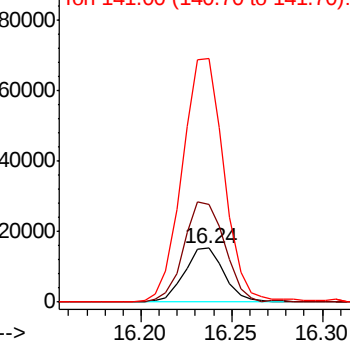


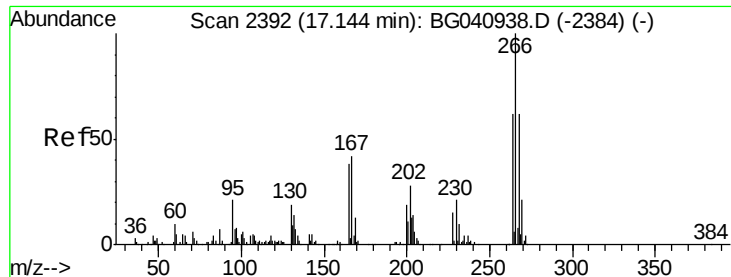
#67
4-Bromophenyl-phenylether
Concen: 4.152 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.45 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

Tgt Ion:248 Resp: 23354
Ion Ratio Lower Upper
248 100
250 180.9 75.0 112.4#
141 453.4 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

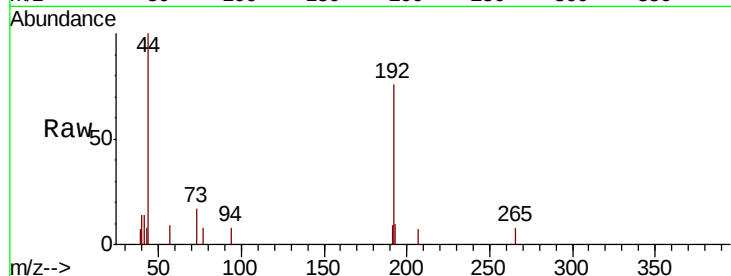




#70
 Pentachlorophenol
 Concen: 4.274 ng
 RT: 17.28 min Scan# 2416
 Delta R.T. 0.14 min
 Lab File: BG041028.D
 Acq: 3 Jun 2019 11:11

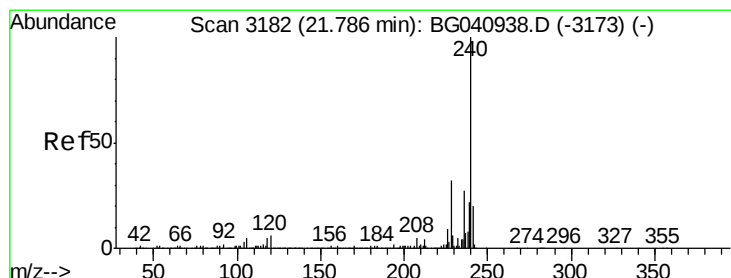
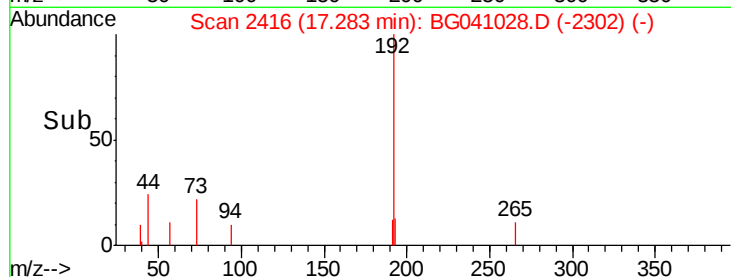
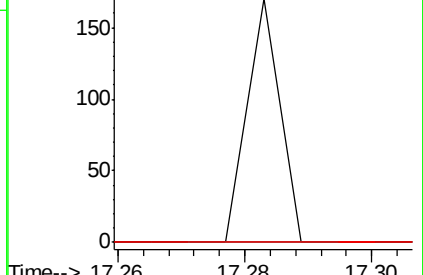
Instrument :
 BNA_G
 ClientSampleId :
 FESB-20(2.5-3)

Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	53.1	79.7#
264	0.0	49.9	74.9#



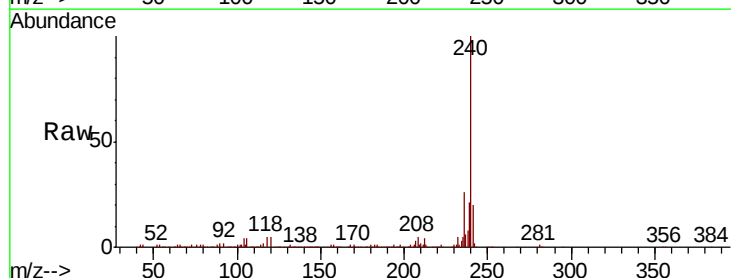
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

17.28



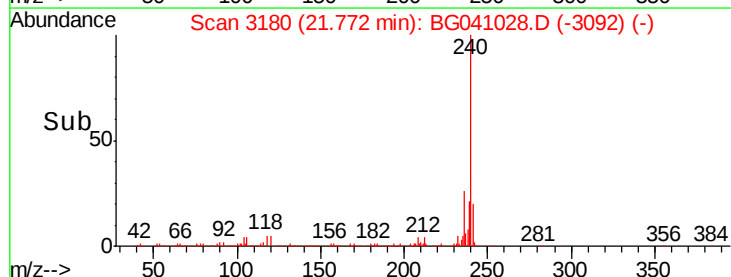
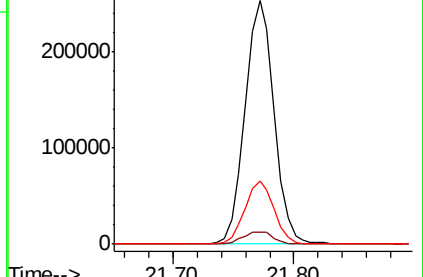
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG041028.D
 Acq: 3 Jun 2019 11:11

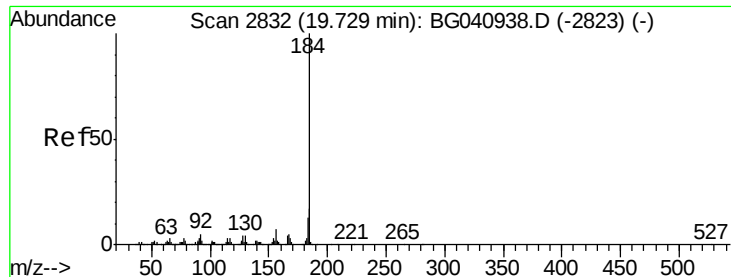
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.5	6.7
236	26.0	21.3	31.9



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





#77

Benzidine

Concen: 2.495 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

Instrument :

BNA_G

ClientSampleId :

FESB-20(2.5-3)

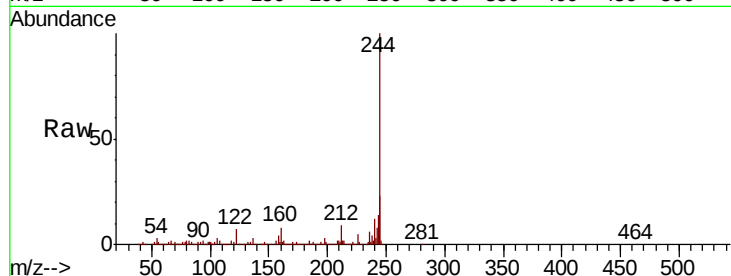
Tot Ion:184 Resp: 25283

Ion Ratio Lower Upper

184 100

185 16.9 13.3 19.9

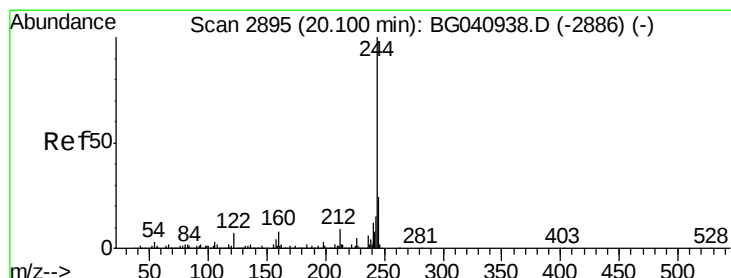
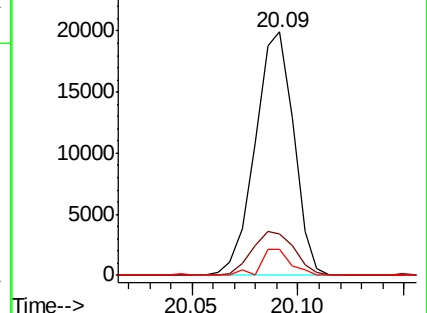
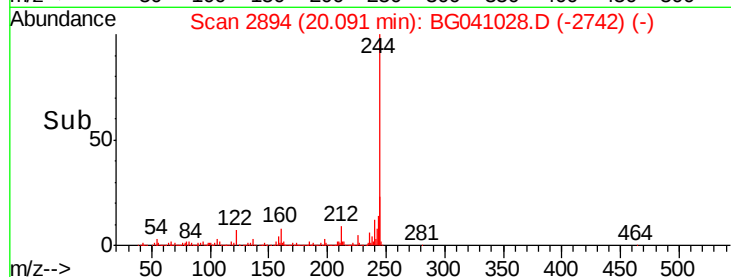
183 10.9 10.7 16.1



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: 75.581 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

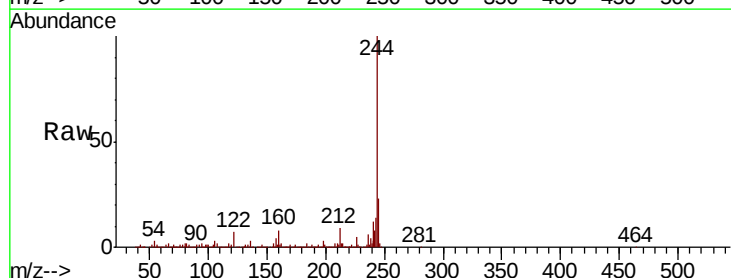
Tgt Ion:244 Resp: 1512863

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.4

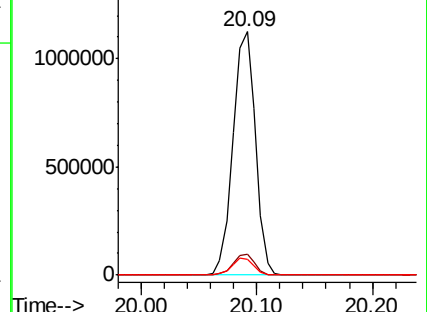
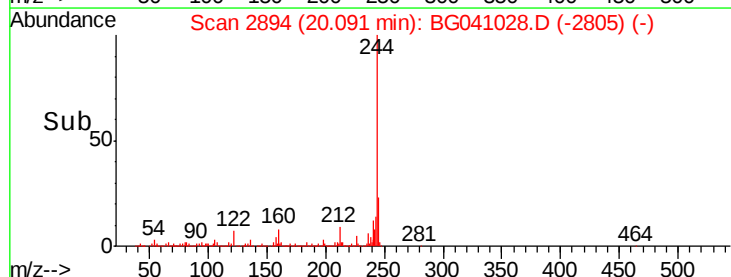
122 6.7 5.4 8.0

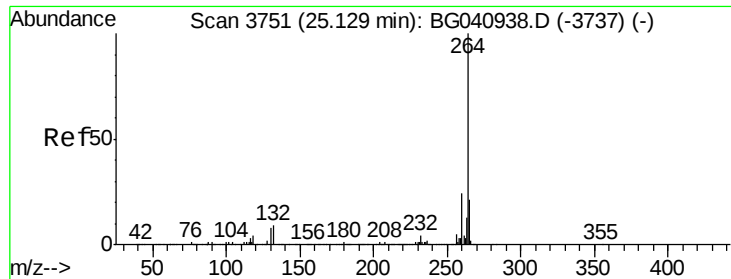


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

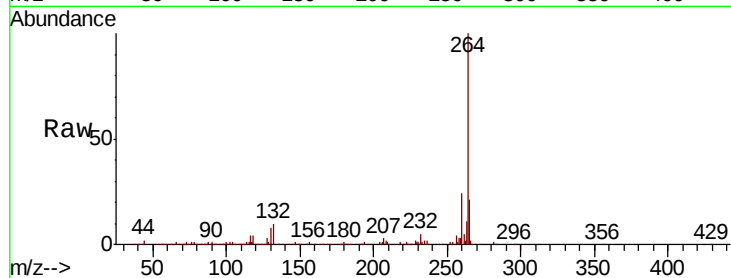




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3748
 Delta R.T. -0.02 min
 Lab File: BG041028.D
 Acq: 3 Jun 2019 11:11

Instrument :
 BNA_G
 ClientSampleId :
 FESB-20(2.5-3)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	21.3	17.0	25.4



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

