

Data File : BG044068.D
Acq On : 16 Jan 2020 14:43
Operator : JU
Sample : L1125-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FESB-21A-(2.5-3)

Quant Time: Jan 17 06:39:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	103862	20.00	ng	-0.02
21) Naphthalene-d8	10.74	136	403125	20.00	ng	-0.03
39) Acenaphthene-d10	14.58	164	241716	20.00	ng	-0.02
64) Phenanthrene-d10	17.31	188	540907	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	533555	20.00	ng	-0.03
87) Perylene-d12	24.68	264	602111	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	577497	102.09	ng	-0.02
7) Phenol-d6	7.11	99	773347	97.81	ng	0.00
23) Nitrobenzene-d5	9.09	82	439941	58.38	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	270873	107.09	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	912736	68.41	ng	-0.03
79) Terphenyl-d14	19.93	244	1460764	60.73	ng	-0.03

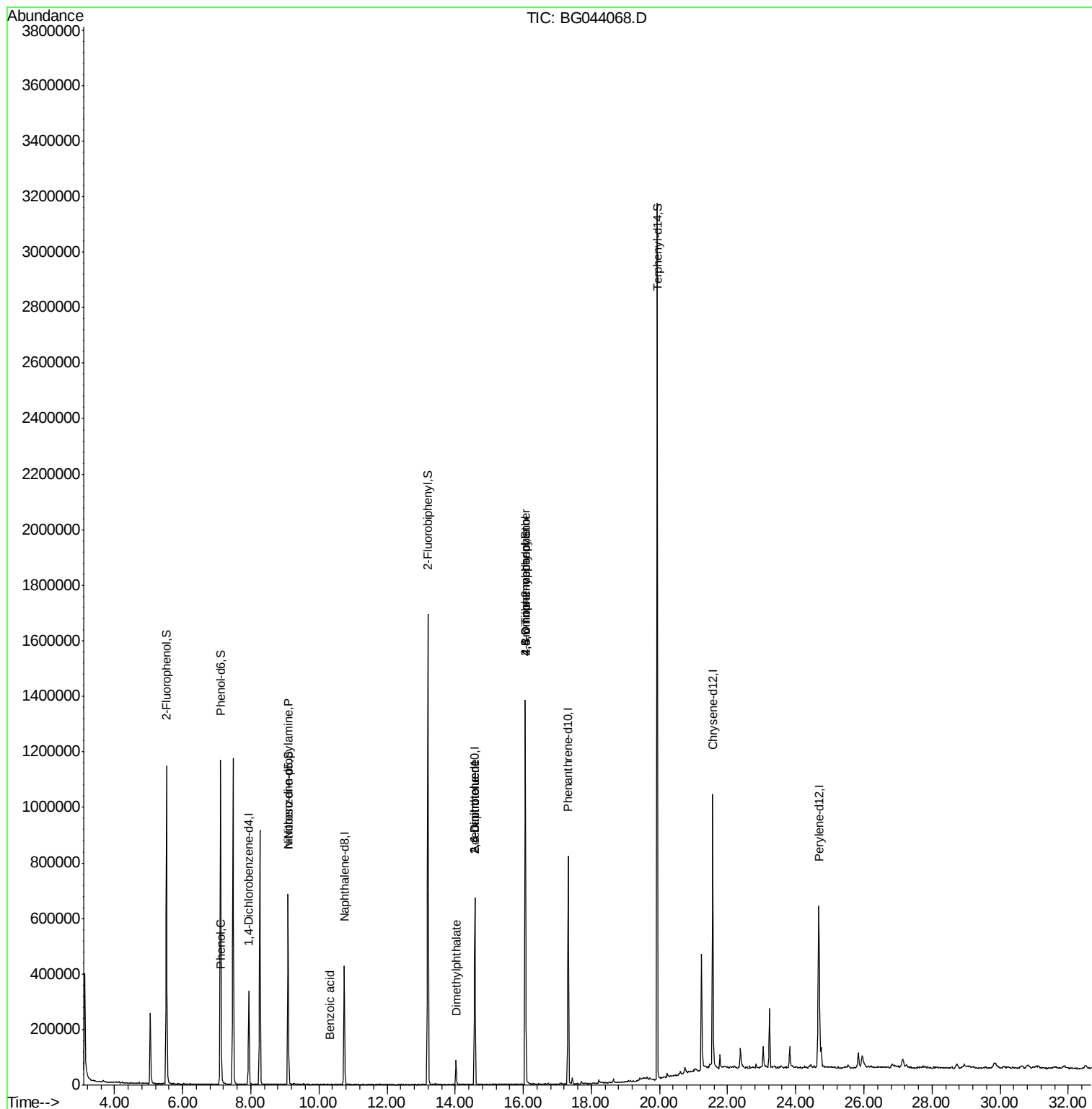
Target Compounds				Qvalue		
10) Phenol	7.14	94	20580	2.526	ng	93
19) n-Nitroso-di-n-propylamine	9.09	70	56097	9.527	ng	# 80
32) Benzoic acid	10.31	122	53	6.273	ng	# 1
50) Dimethylphthalate	14.02	163	68014	3.963	ng	96
51) 2,6-Dinitrotoluene	14.58	165	32209	8.303	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	32209	6.102	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	821	4.657	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	18395	3.024	ng	# 1

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

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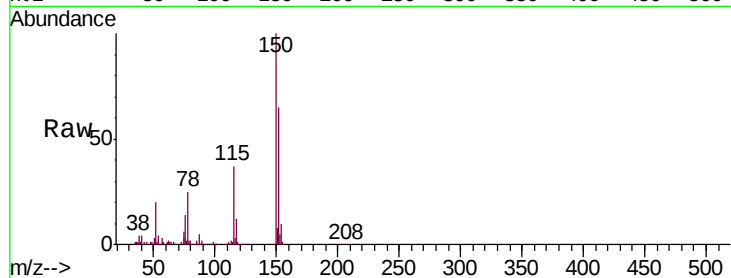


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.02 min
Lab File: BG044068.D
Acq: 16 Jan 2020 14:43

Instrument :
BNA_G
ClientSampleId :
FESB-21A-(2.5-3)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.3	127.0	190.4
115	57.2	47.8	71.8

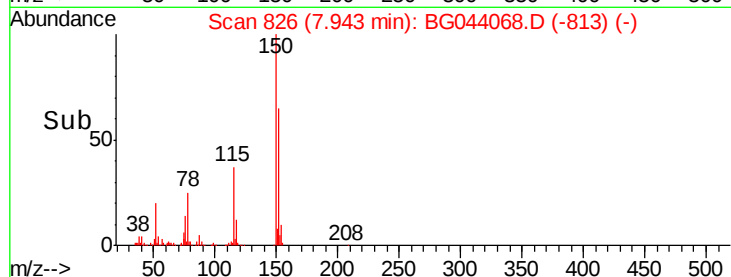
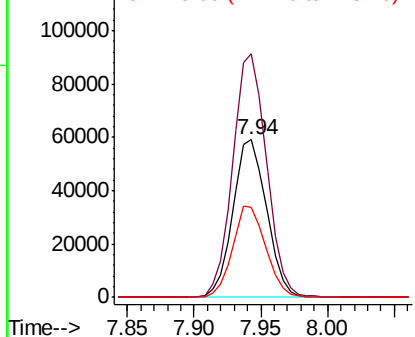


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

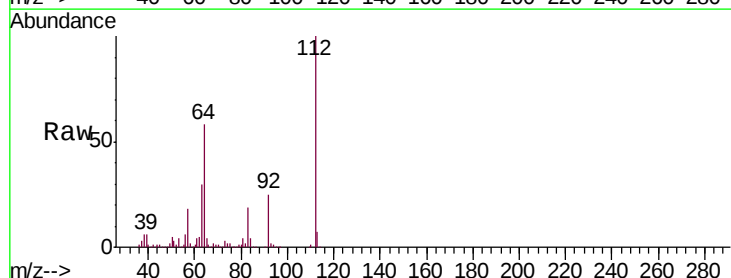
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.093 ng
RT: 5.52 min Scan# 414
Delta R.T. -0.02 min
Lab File: BG044068.D
Acq: 16 Jan 2020 14:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.8	71.6
63	30.4	24.3	36.5

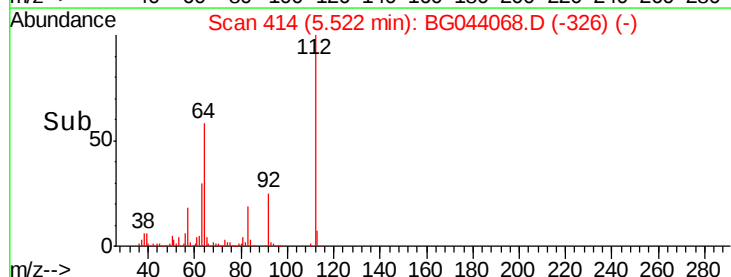
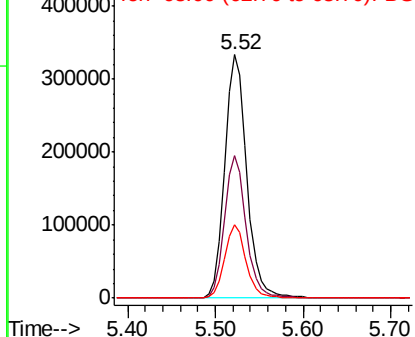


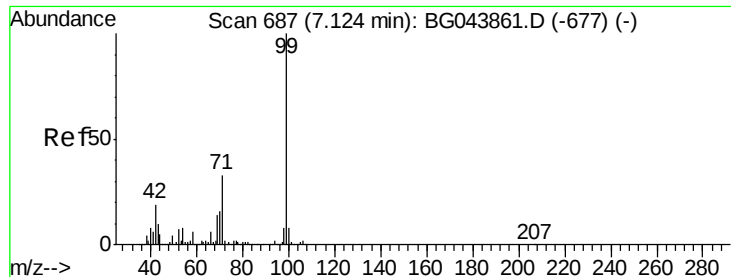
Abundance

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: 97.807 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044068.D

Acq: 16 Jan 2020 14:43

Instrument :

BNA_G

ClientSampleId :

FESB-21A-(2.5-3)

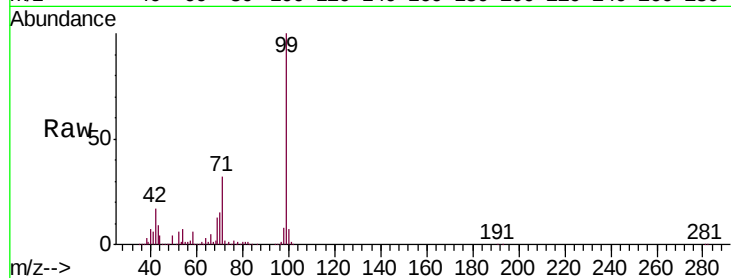
Tgt Ion: 99 Resp: 773347

Ion Ratio Lower Upper

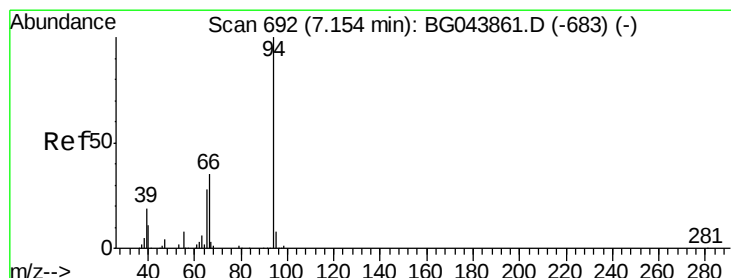
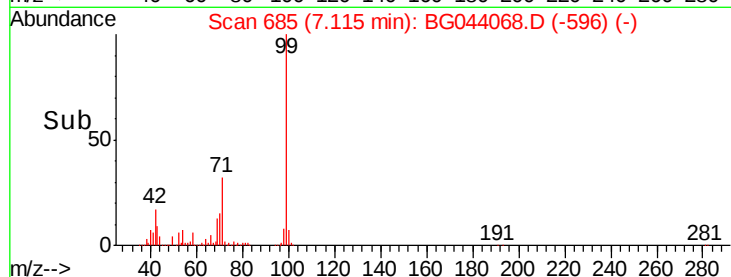
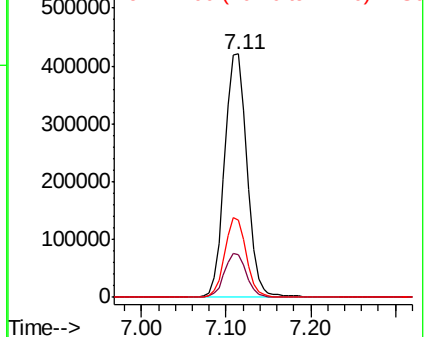
99 100

42 17.5 14.9 22.3

71 31.9 26.4 39.6



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



#10

Phenol

Concen: 2.526 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.02 min

Lab File: BG044068.D

Acq: 16 Jan 2020 14:43

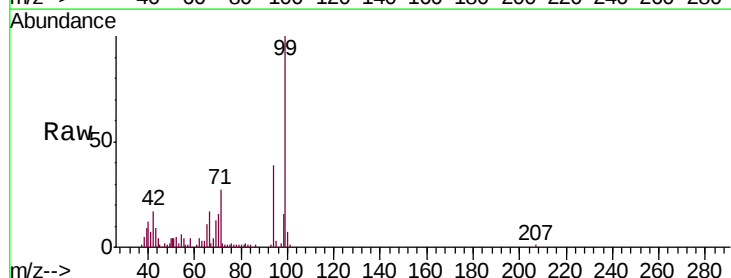
Tgt Ion: 94 Resp: 20580

Ion Ratio Lower Upper

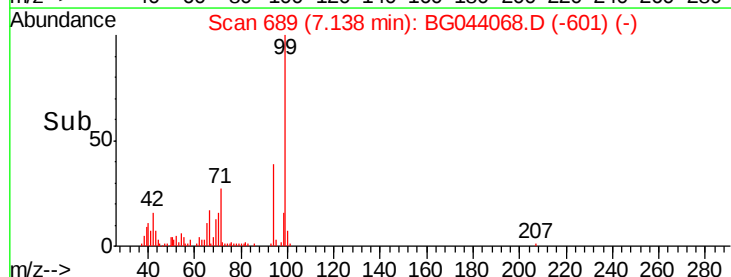
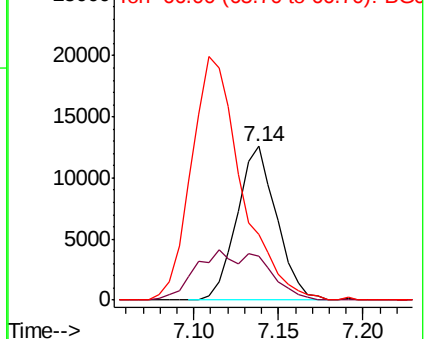
94 100

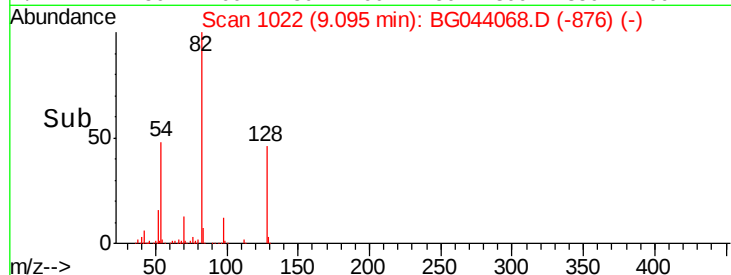
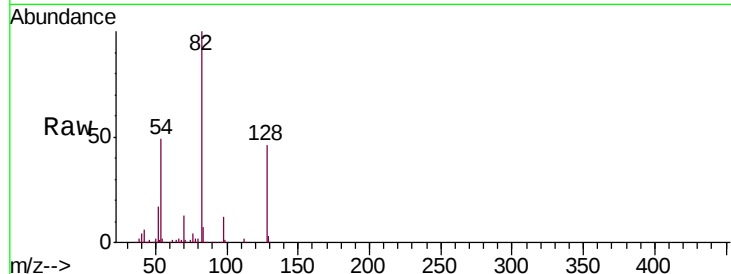
65 28.2 8.1 48.1

66 42.8 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

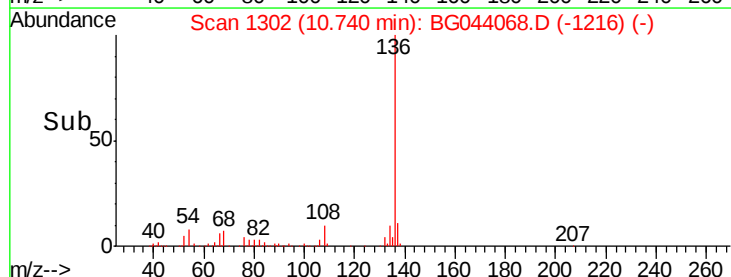
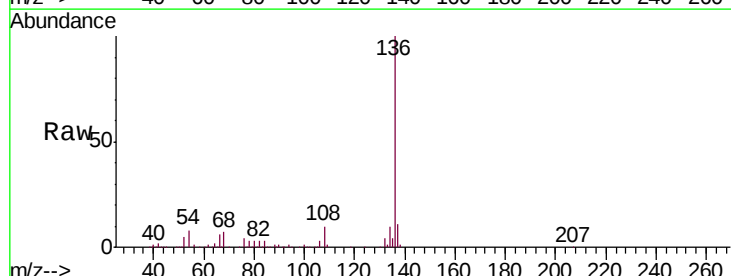
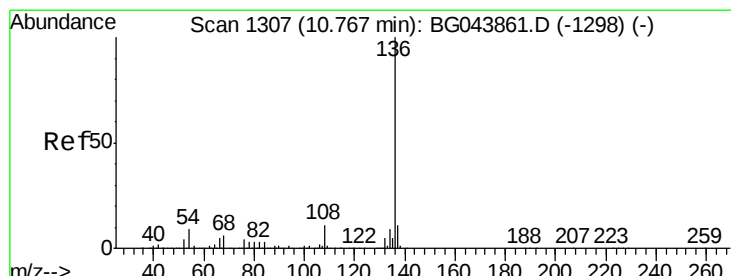
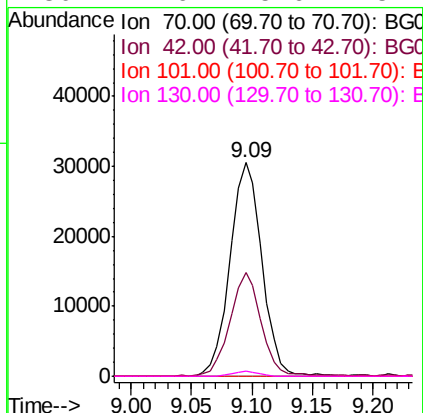




#19
n-Nitroso-di-n-propylamine
Concen: 9.527 ng
RT: 9.09 min Scan# 1022
Delta R.T. 0.33 min
Lab File: BG044068.D
Acq: 16 Jan 2020 14:43

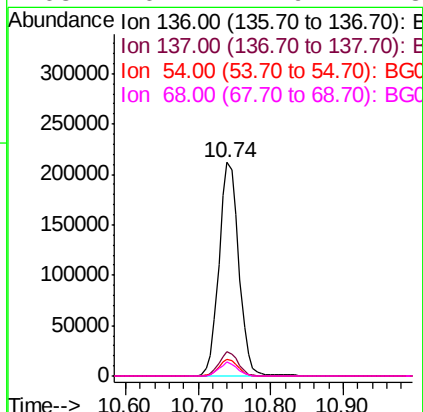
Instrument :
BNA_G
ClientSampleId :
FESB-21A-(2.5-3)

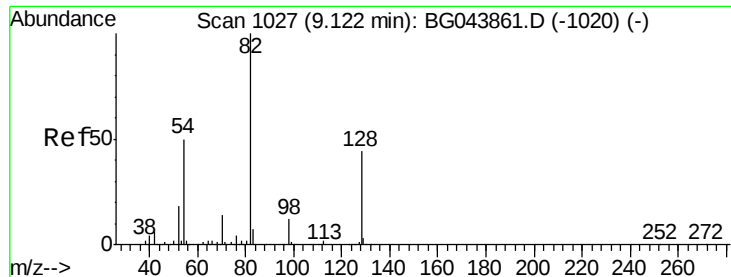
Tgt Ion:	70	Resp:	56097
Ion	Ratio	Lower	Upper
70	100		
42	48.5	47.0	70.4
101	0.0	7.2	10.8#
130	2.6	15.6	23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BG044068.D
Acq: 16 Jan 2020 14:43

Tgt Ion:	136	Resp:	403125
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	7.8	7.0	10.4
68	6.7	4.9	7.3

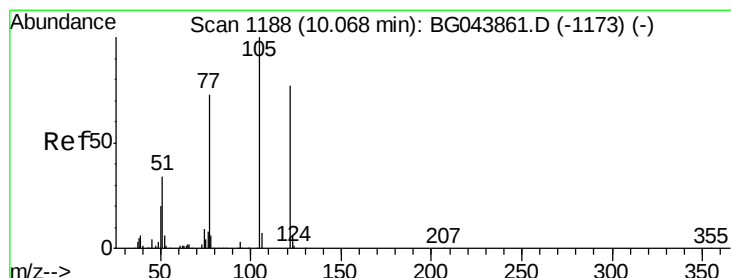
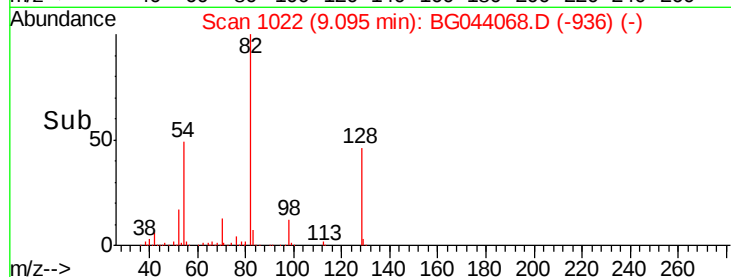
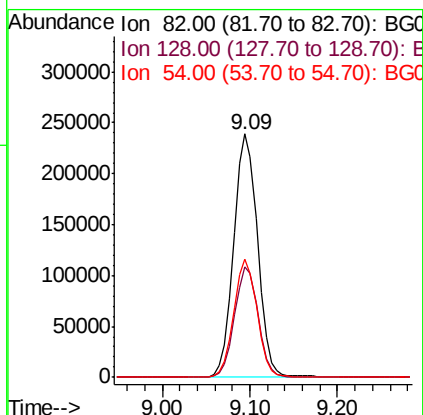
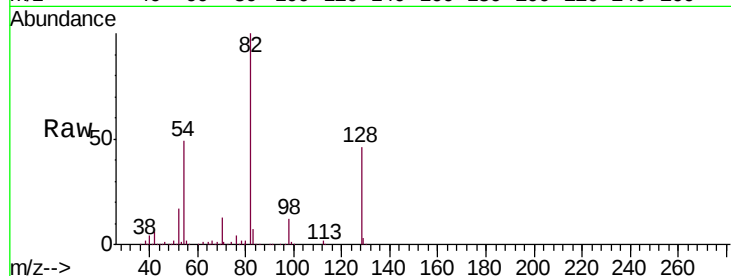




#23
Nitrobenzene-d5
Concen: 58.381 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BG044068.D
Acq: 16 Jan 2020 14:43

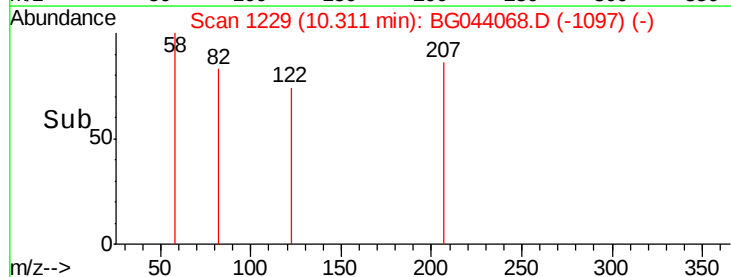
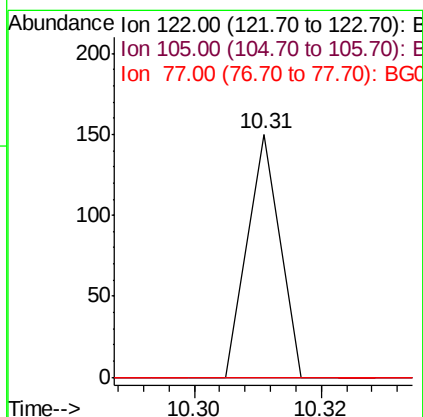
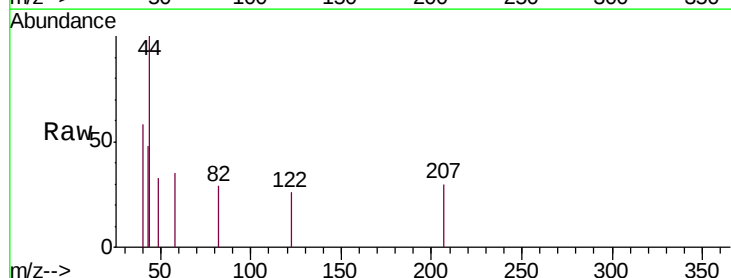
Instrument :
BNA_G
ClientSampleId :
FESB-21A-(2.5-3)

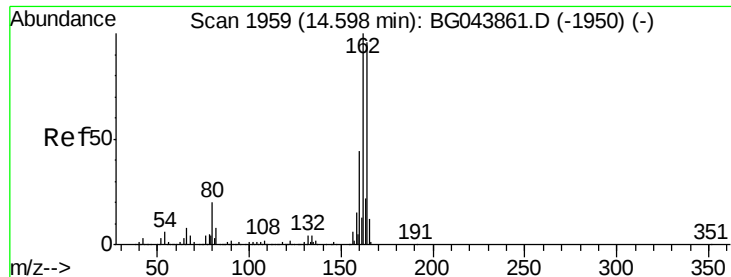
Tgt Ion: 82 Resp: 439941
Ion Ratio Lower Upper
82 100
128 45.6 35.1 52.7
54 48.6 40.1 60.1



#32
Benzoic acid
Concen: 6.273 ng
RT: 10.31 min Scan# 1229
Delta R.T. 0.24 min
Lab File: BG044068.D
Acq: 16 Jan 2020 14:43

Tgt Ion: 122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 106.4 146.4#
77 0.0 74.6 114.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044068.D

Acq: 16 Jan 2020 14:43

Instrument :

BNA_G

ClientSampleId :

FESB-21A-(2.5-3)

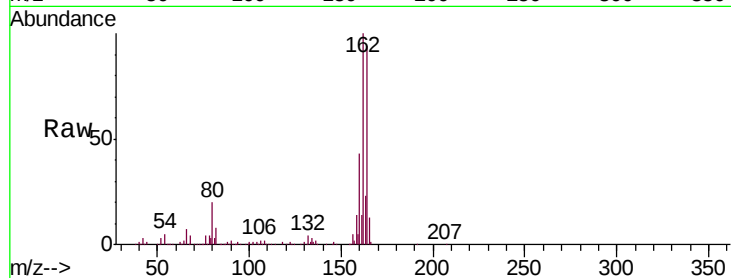
Tgt Ion:164 Resp: 241716

Ion Ratio Lower Upper

164 100

162 106.5 83.0 124.4

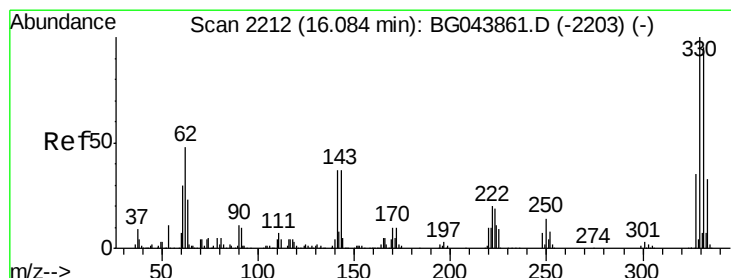
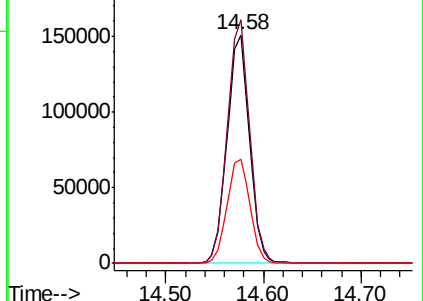
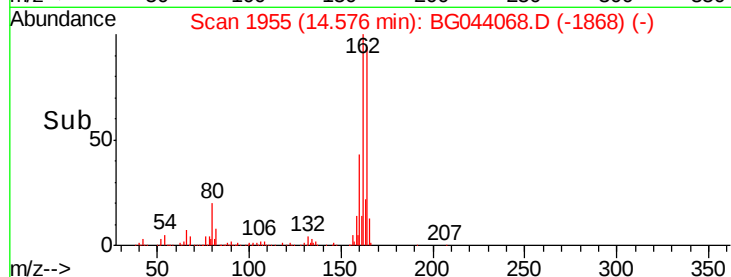
160 45.7 36.1 54.1



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: 107.085 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG044068.D

Acq: 16 Jan 2020 14:43

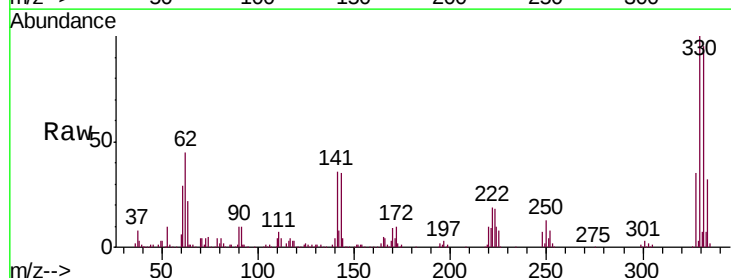
Tgt Ion:330 Resp: 270873

Ion Ratio Lower Upper

330 100

332 95.1 77.2 115.8

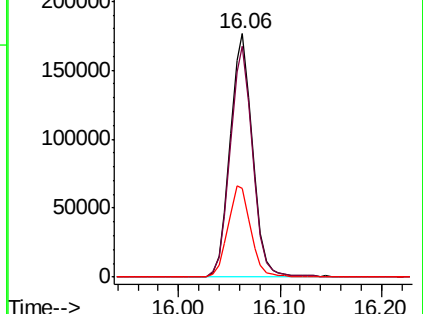
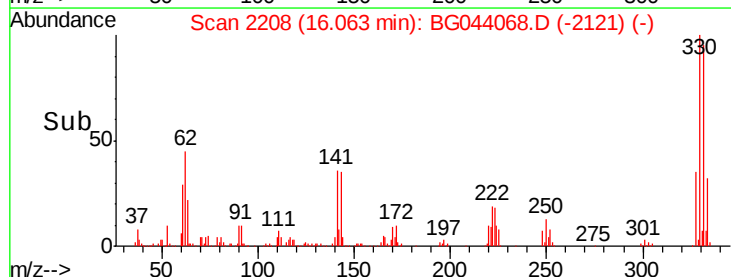
141 38.0 33.1 49.7

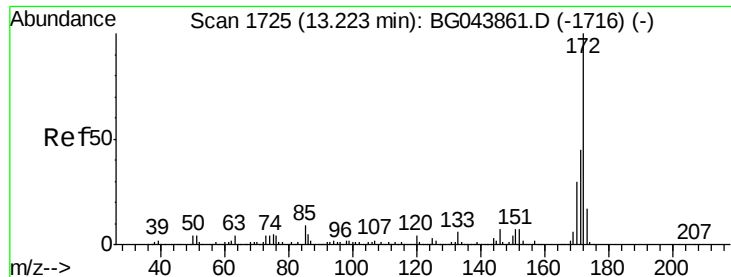


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

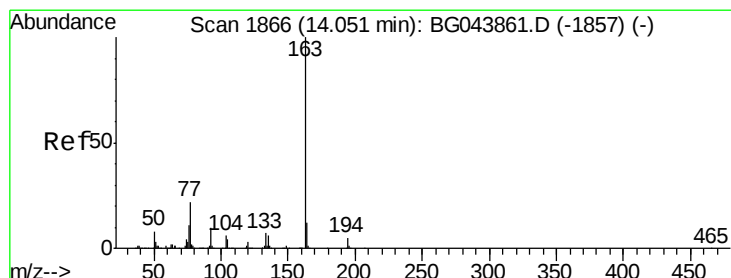
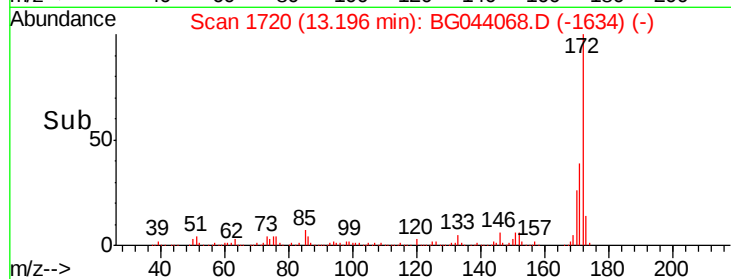
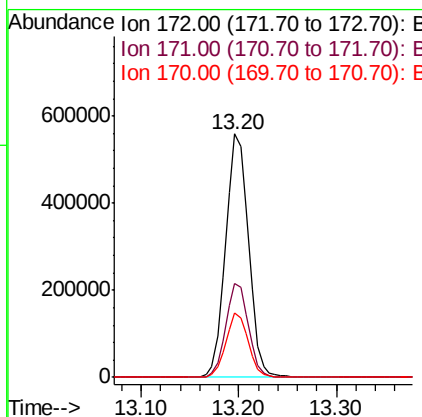
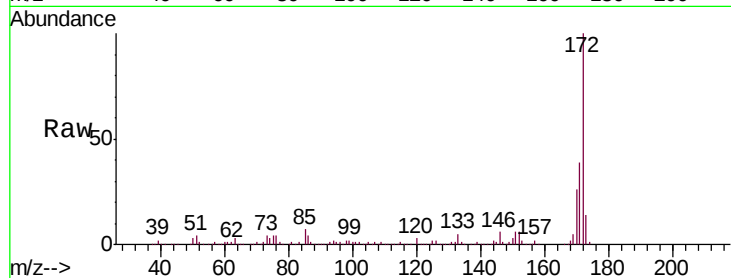




#45
2-Fluorobiphenyl
Concen: 68.414 ng
RT: 13.20 min Scan# 1720
Delta R.T. -0.03 min
Lab File: BG044068.D
Acq: 16 Jan 2020 14:43

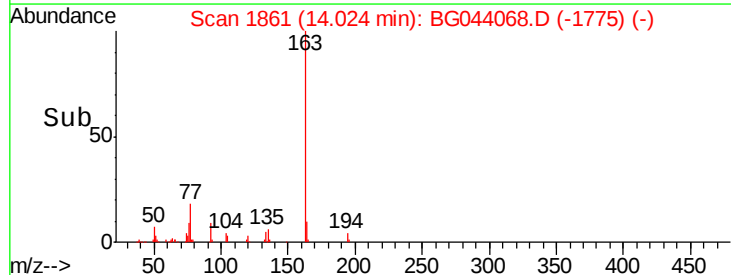
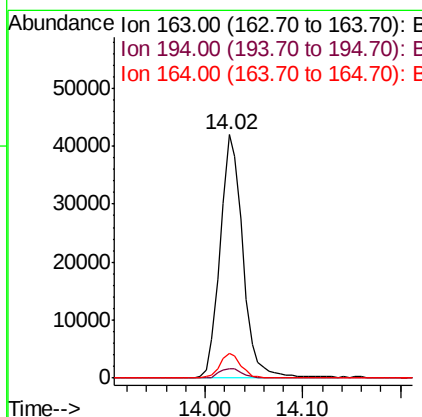
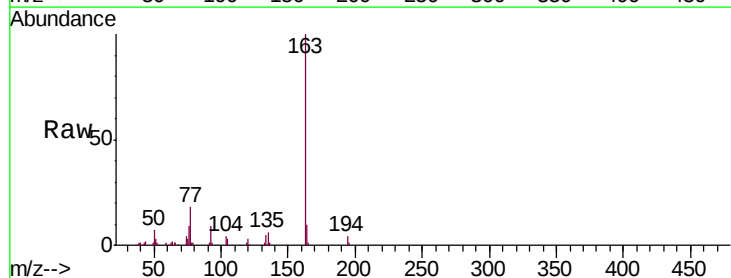
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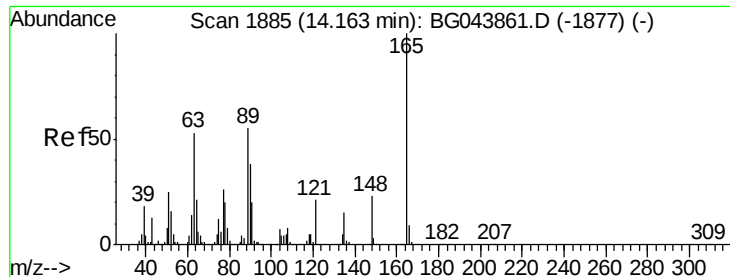
Tgt Ion:172 Resp: 912736
Ion Ratio Lower Upper
172 100
171 38.6 35.8 53.8
170 26.4 24.2 36.4



#50
Dimethylphthalate
Concen: 3.963 ng
RT: 14.02 min Scan# 1861
Delta R.T. -0.03 min
Lab File: BG044068.D
Acq: 16 Jan 2020 14:43

Tgt Ion:163 Resp: 68014
Ion Ratio Lower Upper
163 100
194 3.9 3.7 5.5
164 10.0 9.3 13.9





#51

2,6-Dinitrotoluene

Concen: 8.303 ng

RT: 14.58 min Scan# 1955

Delta R.T. 0.41 min

Lab File: BG044068.D

Acq: 16 Jan 2020 14:43

Instrument :

BNA_G

ClientSampleId :

FESB-21A-(2.5-3)

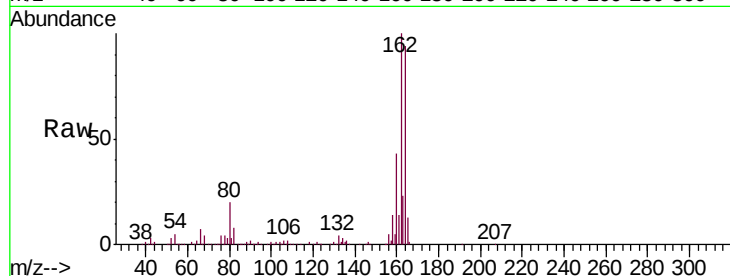
Tgt Ion:165 Resp: 32209

Ion Ratio Lower Upper

165 100

63 1.3 43.1 64.7#

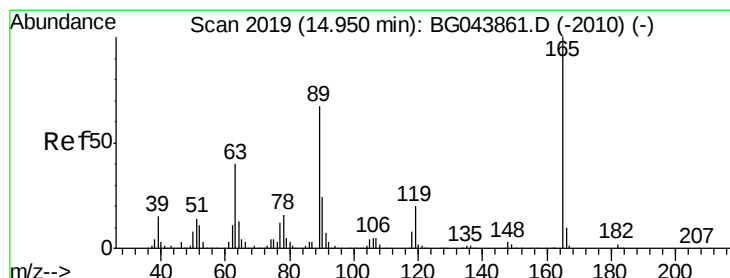
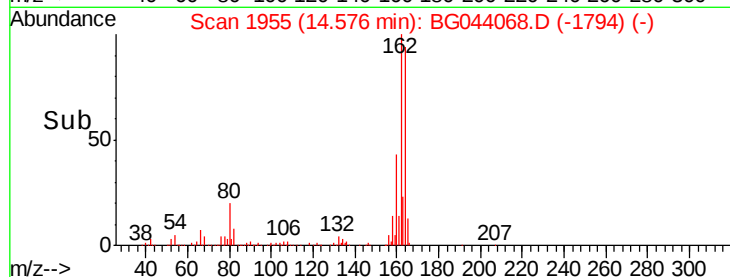
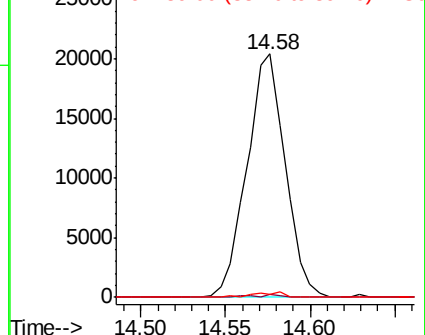
89 1.4 43.8 65.6#



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



#57

2,4-Dinitrotoluene

Concen: 6.102 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.37 min

Lab File: BG044068.D

Acq: 16 Jan 2020 14:43

Tgt Ion:165 Resp: 32209

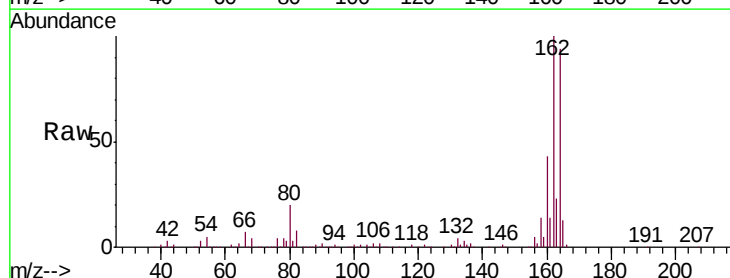
Ion Ratio Lower Upper

165 100

63 1.3 31.9 47.9#

89 1.4 53.8 80.6#

182 0.0 2.0 3.0#

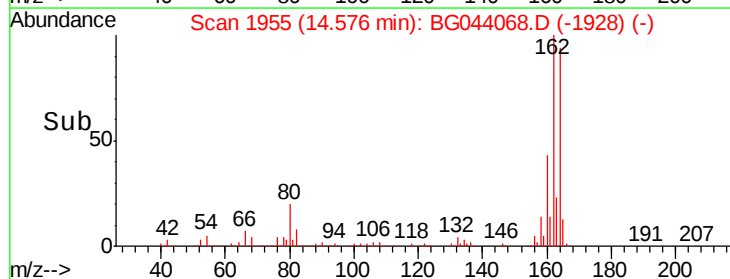
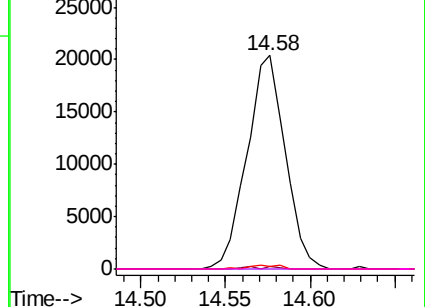


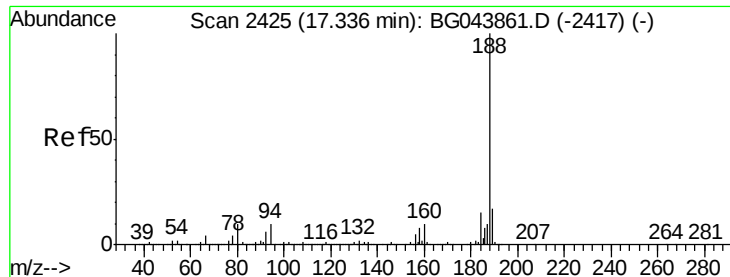
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.31 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BG044068.D

Acq: 16 Jan 2020 14:43

Instrument :

BNA_G

ClientSampleId :

FESB-21A-(2.5-3)

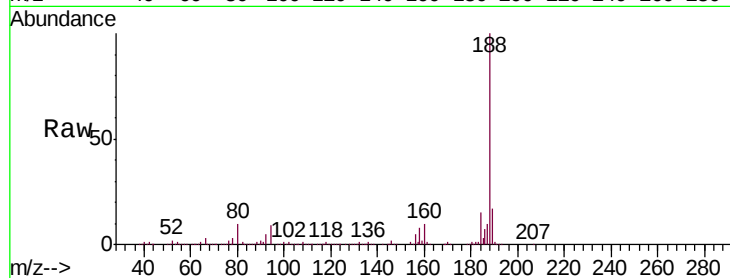
Tgt Ion:188 Resp: 540907

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

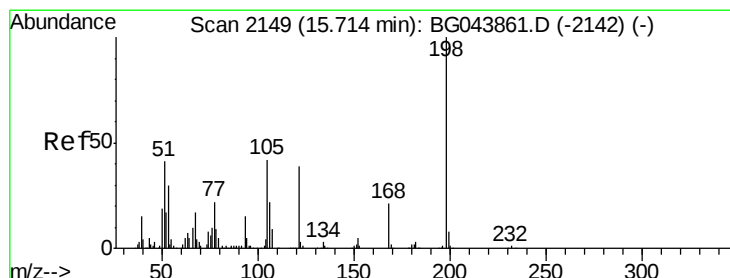
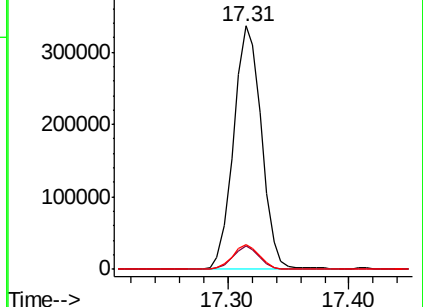
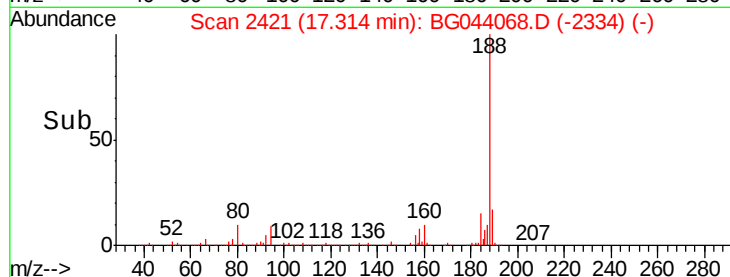
80 10.2 8.2 12.4



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: 4.657 ng

RT: 16.06 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044068.D

Acq: 16 Jan 2020 14:43

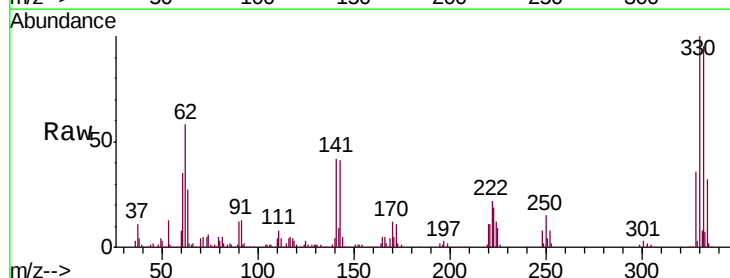
Tgt Ion:198 Resp: 821

Ion Ratio Lower Upper

198 100

51 111.8 22.5 62.5#

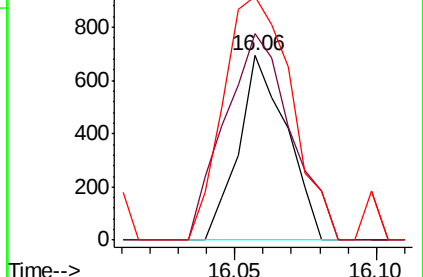
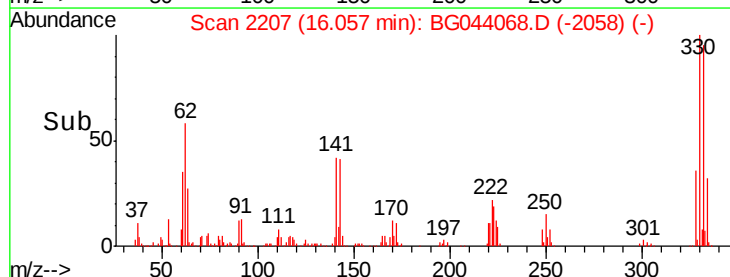
105 132.0 22.3 62.3#

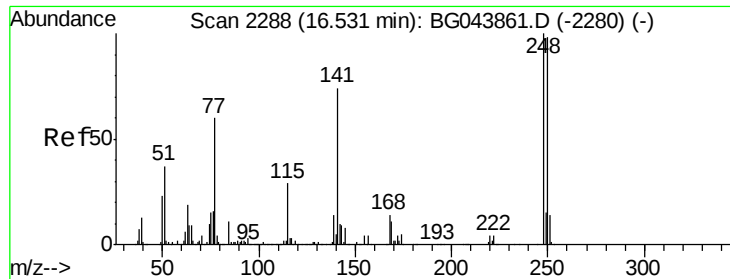


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

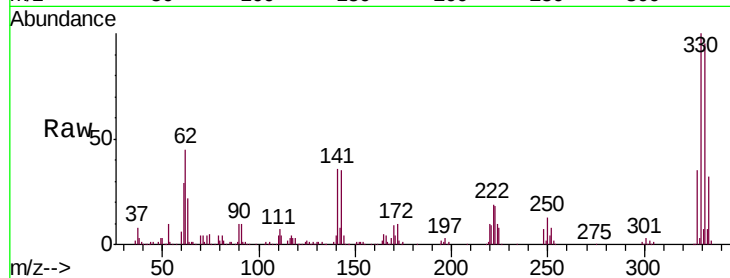




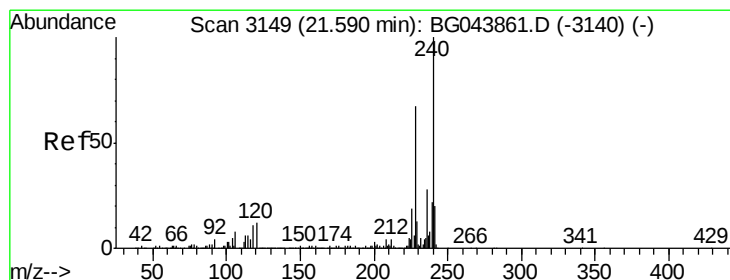
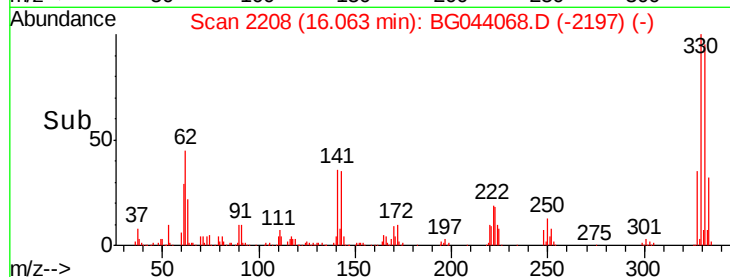
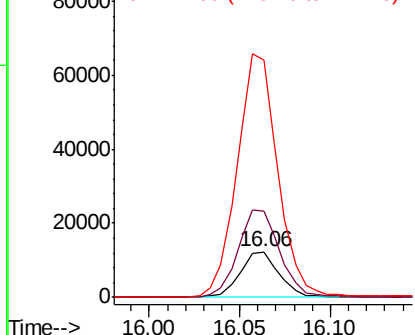
#67
4-Bromophenyl-phenylether
Concen: 3.024 ng
RT: 16.06 min Scan# 2208
Delta R.T. -0.47 min
Lab File: BG044068.D
Acq: 16 Jan 2020 14:43

Instrument :
BNA_G
ClientSampleId :
FESB-21A-(2.5-3)

Tgt Ion:248 Resp: 18395
Ion Ratio Lower Upper
248 100
250 190.0 78.2 117.2#
141 523.4 59.3 88.9#

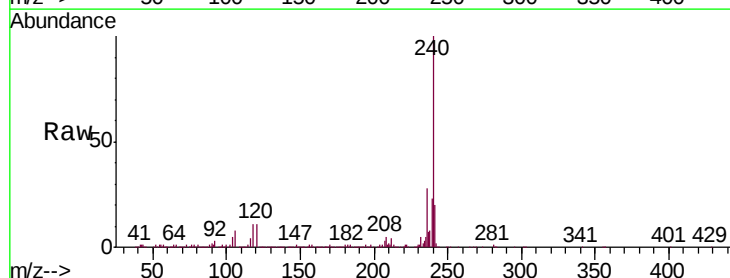


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

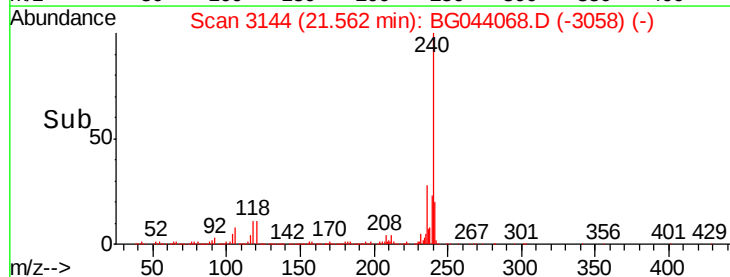
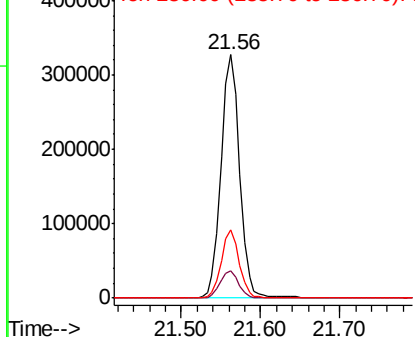


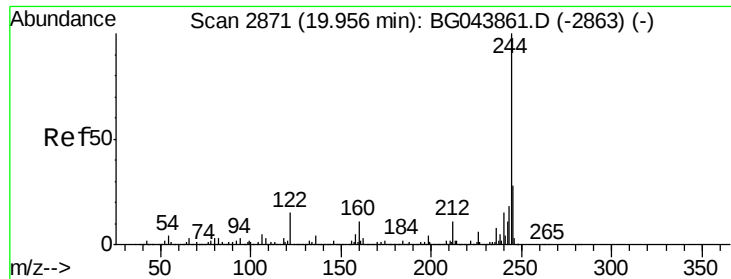
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.03 min
Lab File: BG044068.D
Acq: 16 Jan 2020 14:43

Tgt Ion:240 Resp: 533555
Ion Ratio Lower Upper
240 100
120 11.3 9.6 14.4
236 28.3 22.2 33.2



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





#79

Terphenyl-d14

Concen: 60.733 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044068.D

Acq: 16 Jan 2020 14:43

Instrument :

BNA_G

ClientSampleId :

FESB-21A-(2.5-3)

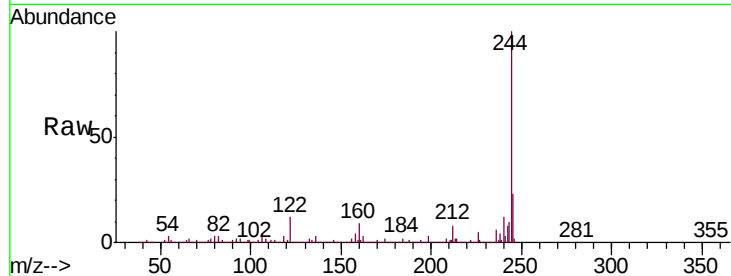
Tgt Ion:244 Resp: 1460764

Ion Ratio Lower Upper

244 100

212 8.4 8.6 13.0#

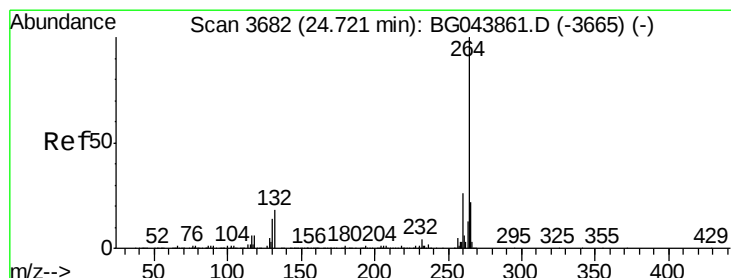
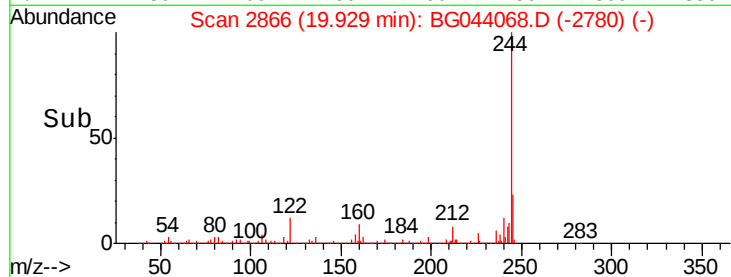
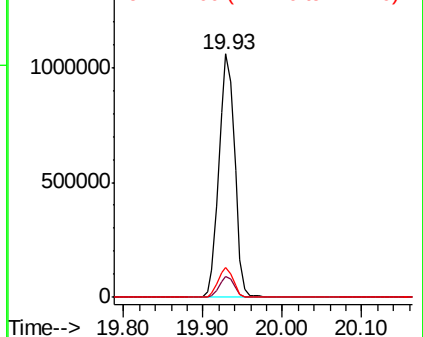
122 12.3 11.9 17.9



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

Perylene-d12

Concen: 20.000 ng

RT: 24.68 min Scan# 3674

Delta R.T. -0.04 min

Lab File: BG044068.D

Acq: 16 Jan 2020 14:43

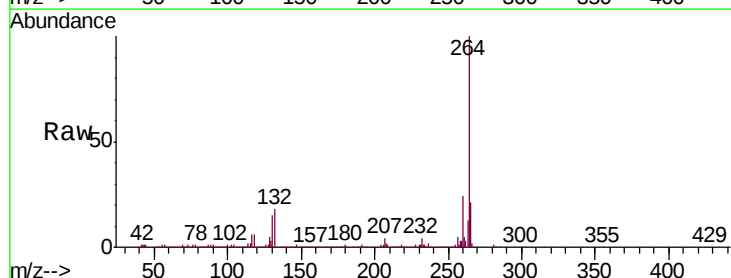
Tgt Ion:264 Resp: 602111

Ion Ratio Lower Upper

264 100

260 23.5 20.4 30.6

265 20.6 17.4 26.2



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

