

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040952.D
 Acq On : 30 May 2019 15:07
 Operator : HP/JU
 Sample : K2966-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FESB-13(9.5-10)

Manual Integrations
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Quant Time: May 31 04:17:46 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	8.13	152	77910	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	315848	20.00	ng	0.00
39) Acenaphthene-d10	14.76	164	218798	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	490283	20.00	ng	0.00
76) Chrysene-d12	21.78	240	488014	20.00	ng	0.00
87) Perylene-d12	25.12	264	543871	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	577046	133.56	ng	0.00
7) Phenol-d6	7.27	99	860094	128.90	ng	0.00
23) Nitrobenzene-d5	9.30	82	610242	85.77	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	408878	125.88	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1327424	87.37	ng	0.00
79) Terphenyl-d14	20.10	244	1869485	81.30	ng	0.00
Target Compounds						
49) Acenaphthylene	14.49	152	47738	2.281	ng	Qvalue 99
50) Dimethylphthalate	14.20	163	180941	9.769	ng	98
71) Phenanthrene	17.54	178	98496	3.857	ng	98
72) Anthracene	17.63	178	67013	2.661	ng	97
75) Fluoranthene	19.54	202	422612	13.398	ng	99
78) Pyrene	19.90	202	452439	14.262	ng	98
81) Benzo(a)anthracene	21.76	228	271751	8.365	ng	96
83) Chrysene	21.82	228	290177	9.334	ng	95
86) Indeno(1,2,3-cd)pyrene	28.96	276	263474m	6.919	ng	
88) Benzo(b)fluoranthene	24.06	252	416098	12.614	ng	# 98
89) Benzo(k)fluoranthene	24.12	252	130906m	4.010	ng	
90) Benzo(a)pyrene	24.96	252	355065	11.282	ng	94
91) Dibenzo(a,h)anthracene	29.03	278	70694	2.248	ng	# 96
92) Benzo(a,h,i)perylene	30.16	276	246758	8.077	ng	98

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

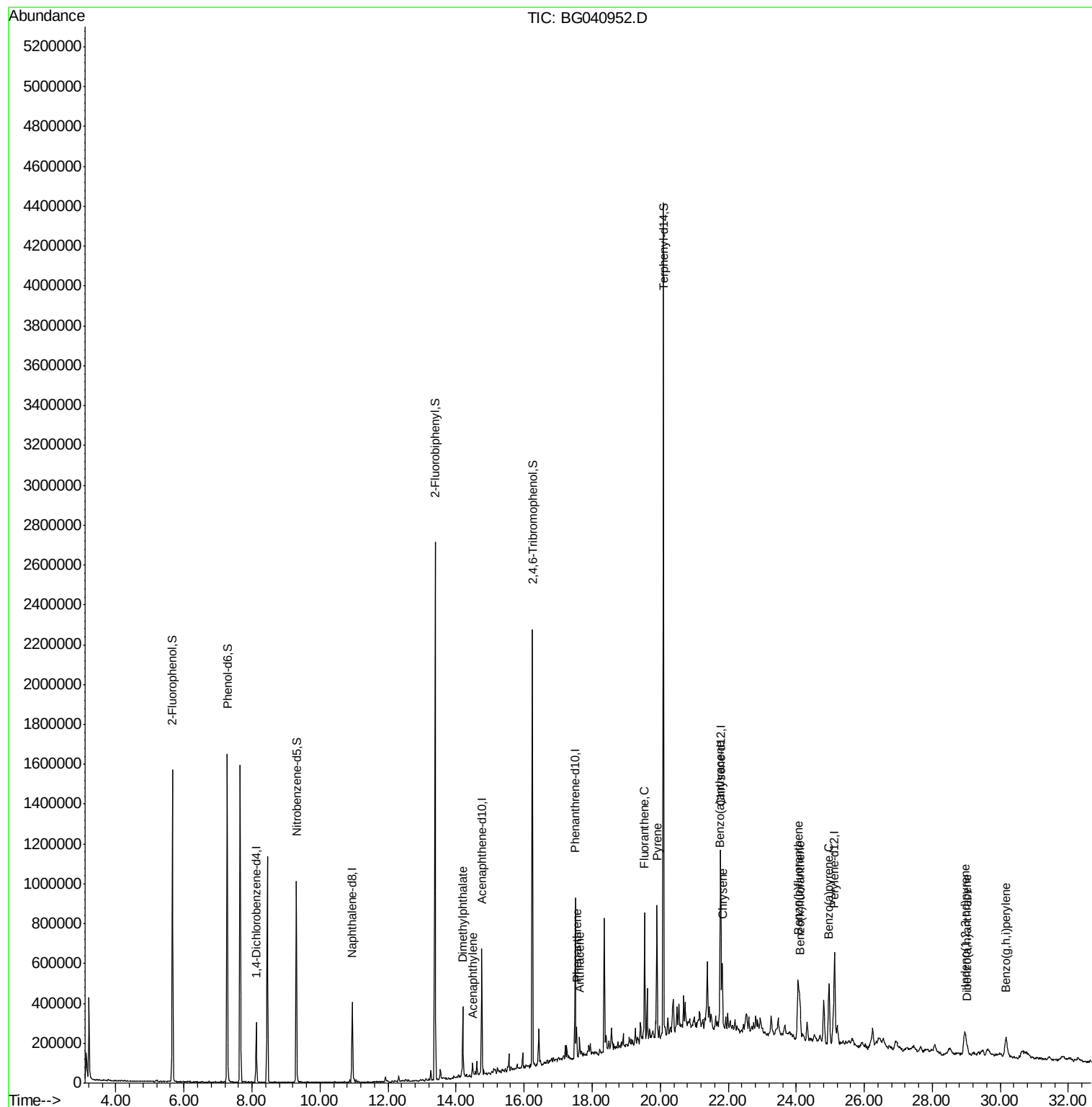
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
Data File : BG040952.D
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Sample : K2966-01
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ALS Vial : 9 Sample Multiplier: 1

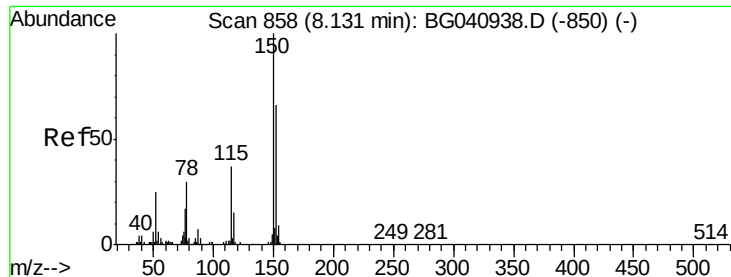
Instrument :
BNA_G
ClientSampleId :
FESB-13(9.5-10)

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Quant Time: May 31 04:17:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

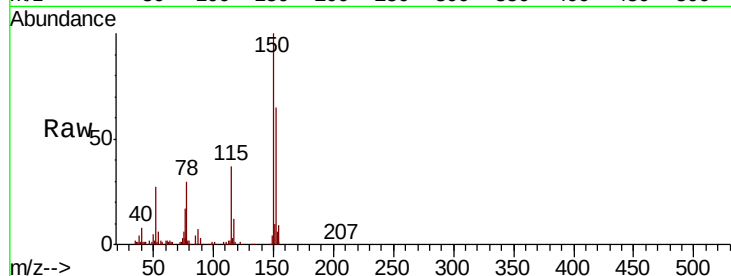
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.00 min
Lab File: BG040952.D
Acq: 30 May 2019 15:07

Instrument :
BNA_G
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	120.6	180.8
115	57.5	45.1	67.7

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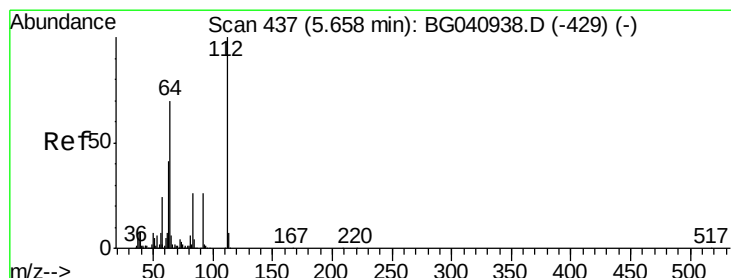
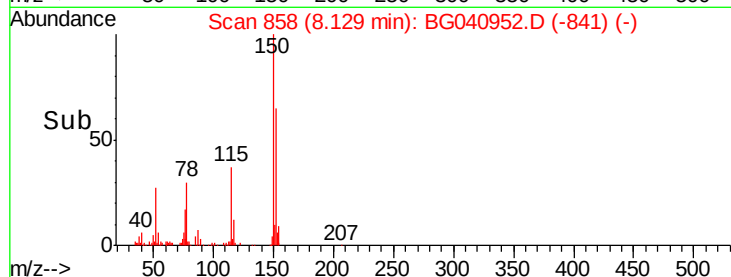
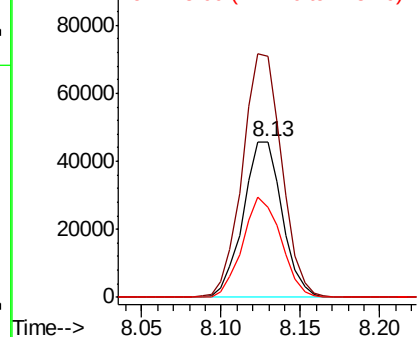


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

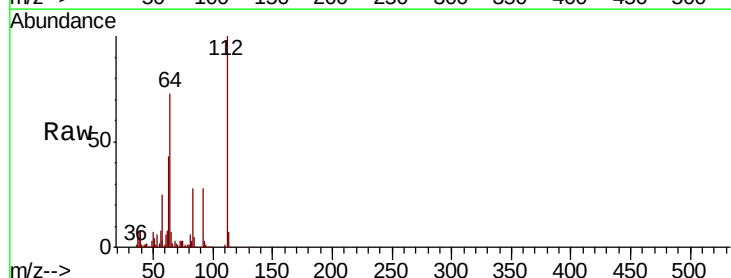
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 133.556 ng
RT: 5.66 min Scan# 438
Delta R.T. 0.00 min
Lab File: BG040952.D
Acq: 30 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	56.2	84.2
63	43.1	32.8	49.2

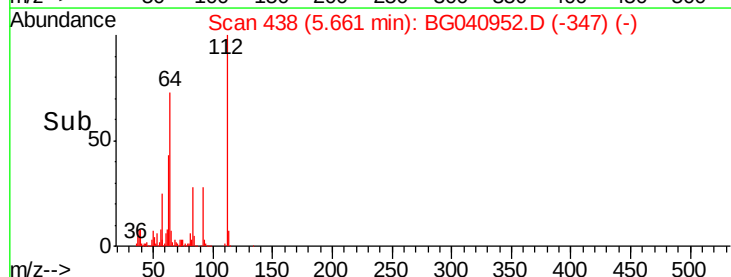
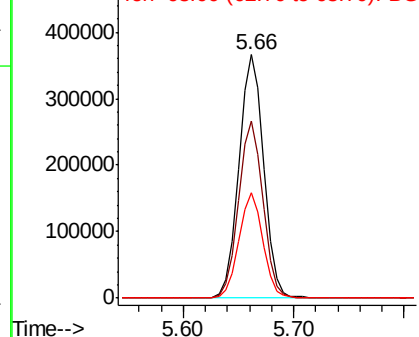


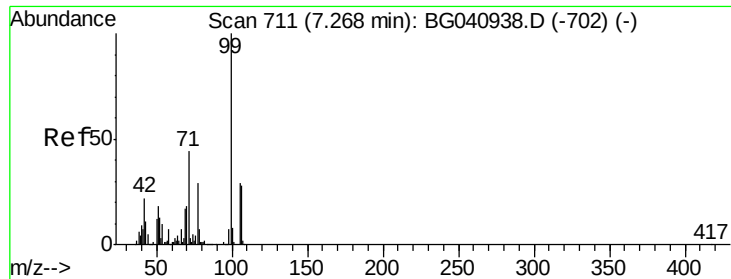
Abundance

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: 128.896 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Instrument :

BNA_G

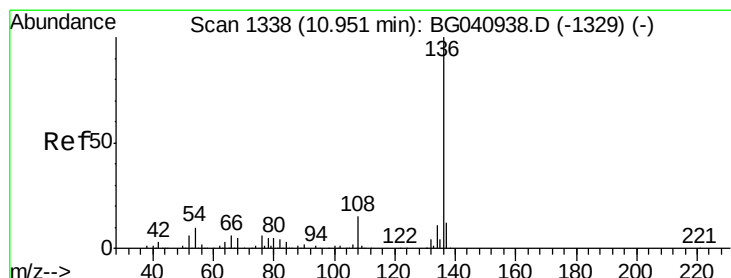
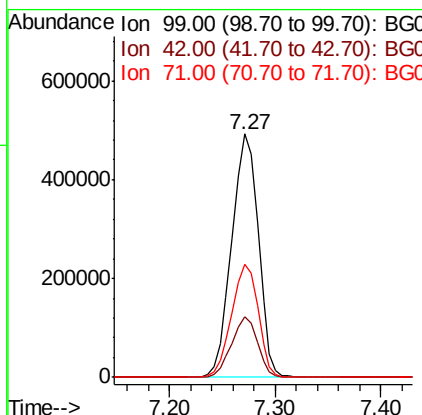
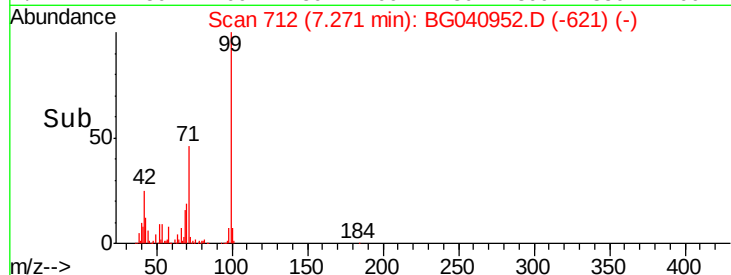
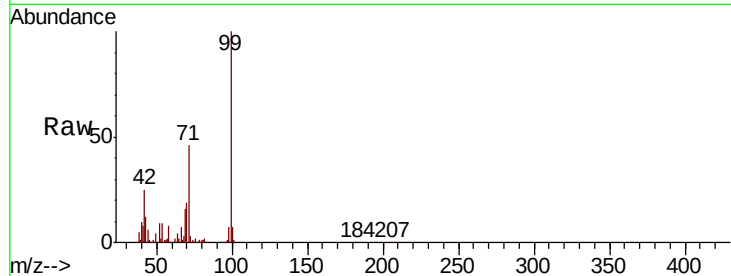
ClientSampleId :

FESB-13(9.5-10)

Tot Ion:	99	Resp:	860094
Ion	Ratio	Lower	Upper
99	100		
42	24.9	17.9	26.9
71	46.5	35.4	53.0

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#21

Naphthalene-d8

Concen: 20.000 ng

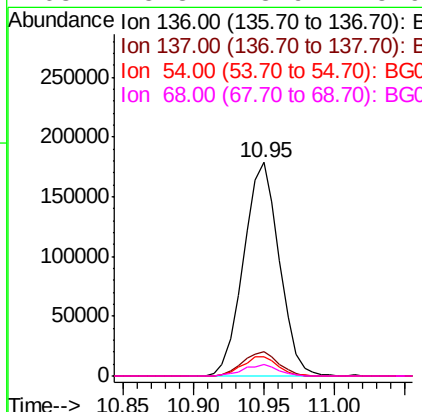
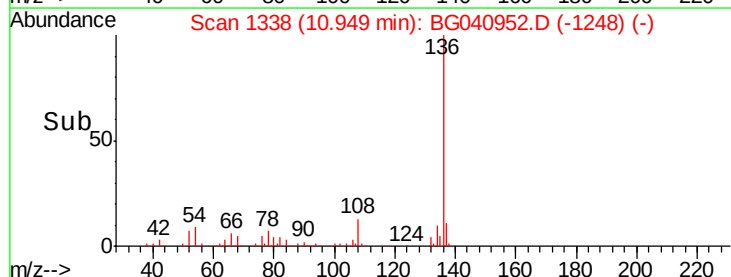
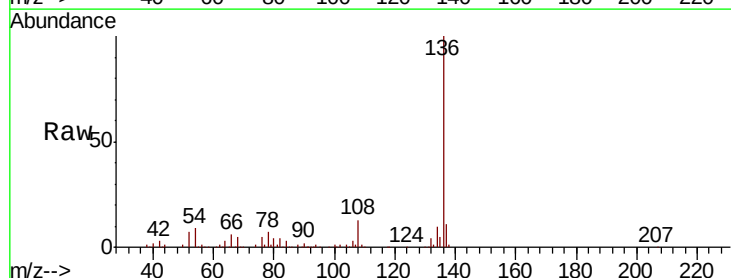
RT: 10.95 min Scan# 1338

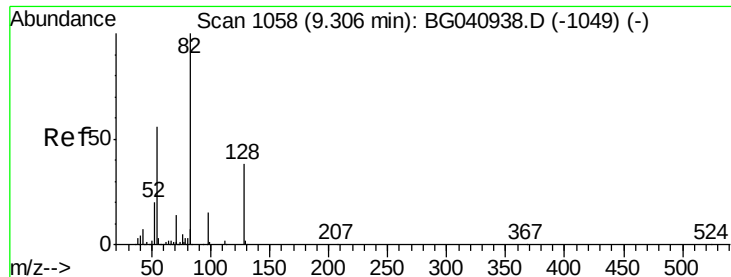
Delta R.T. -0.00 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Tgt Ion:	136	Resp:	315848
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	9.2	7.6	11.4
68	5.3	3.9	5.9





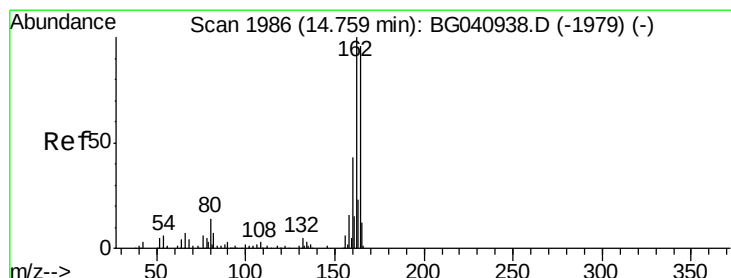
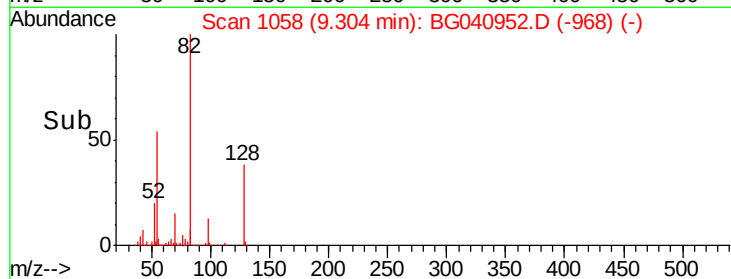
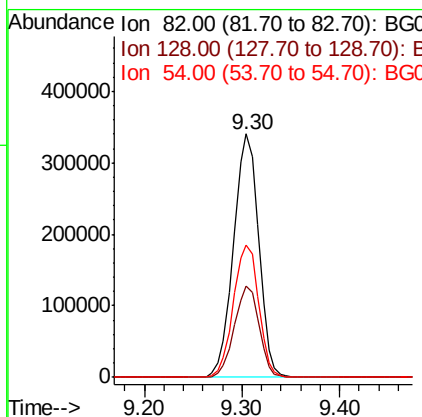
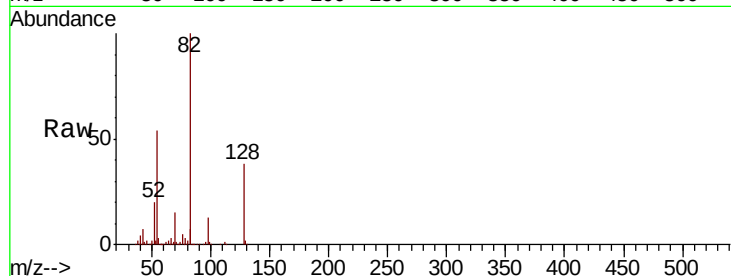
#23
Nitrobenzene-d5
Concen: 85.772 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BG040952.D
Acq: 30 May 2019 15:07

Instrument :
BNA_G
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.6	30.5	45.7
54	54.4	44.6	66.8

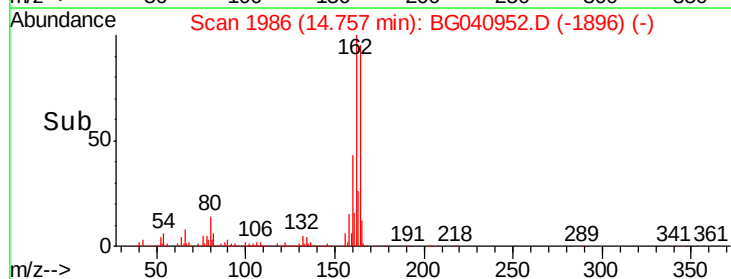
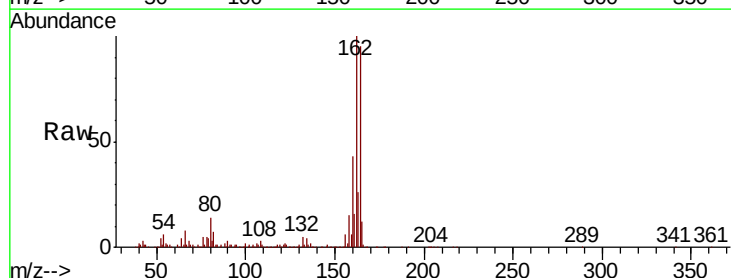
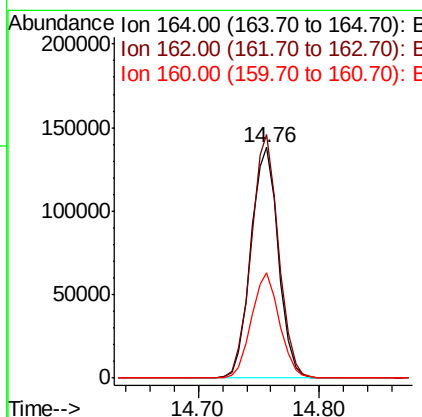
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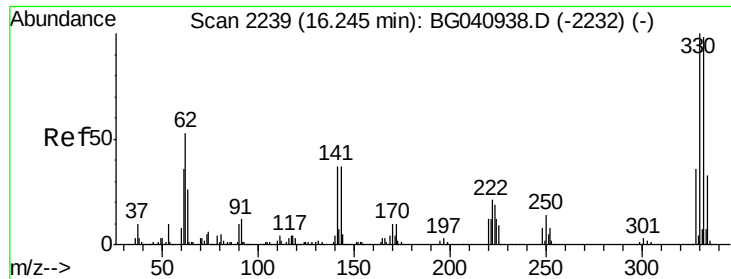
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BG040952.D
Acq: 30 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	83.0	124.4
160	45.9	35.6	53.4





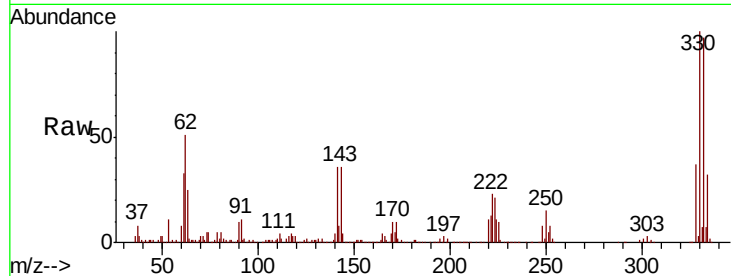
#42
 2,4,6-Tribromophenol
 Concen: 125.878 ng
 RT: 16.24 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: BG040952.D
 Acq: 30 May 2019 15:07

Instrument :
 BNA_G
 ClientSampled :
 FESB-13(9.5-10)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	408878		
332	96.3		78.5	117.7
141	36.6		28.7	43.1

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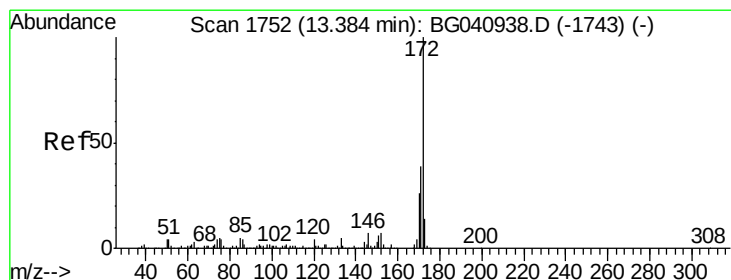
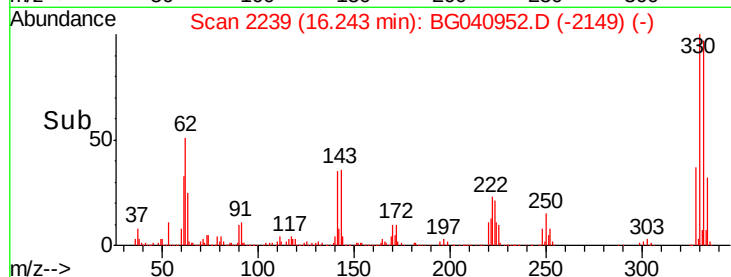
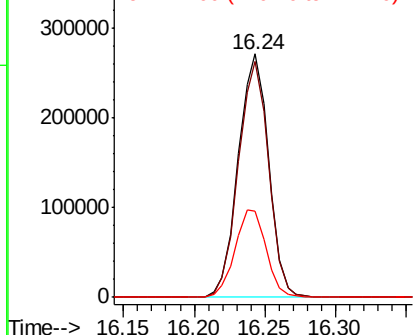


Abundance

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: 87.370 ng
 RT: 13.38 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: BG040952.D
 Acq: 30 May 2019 15:07

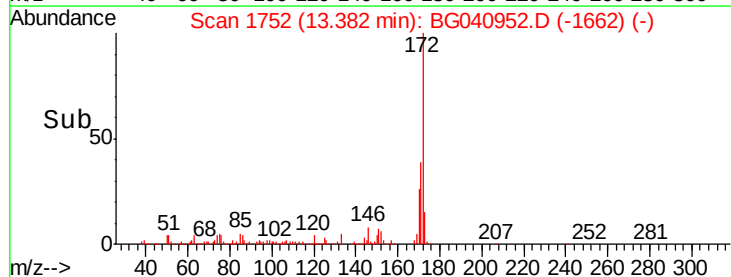
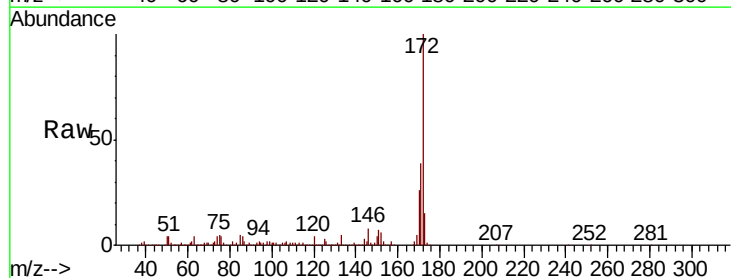
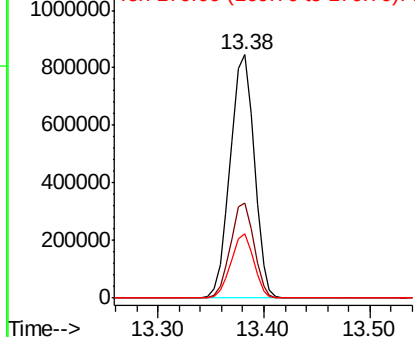
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1327424		
171	39.0		31.1	46.7
170	26.3		20.5	30.7

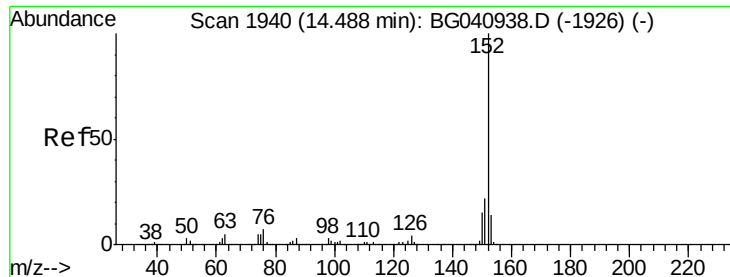
Abundance

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





#49

Acenaphthylene

Concen: 2.281 ng

RT: 14.49 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Instrument :

BNA_G

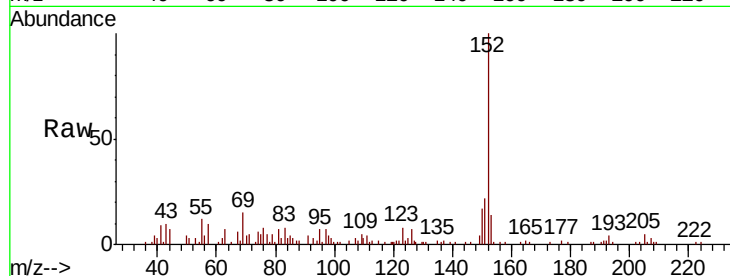
ClientSampleId :

FESB-13(9.5-10)

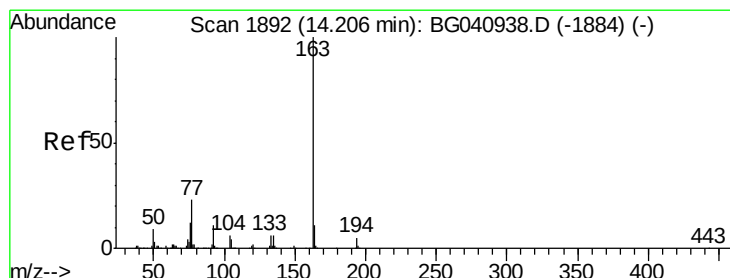
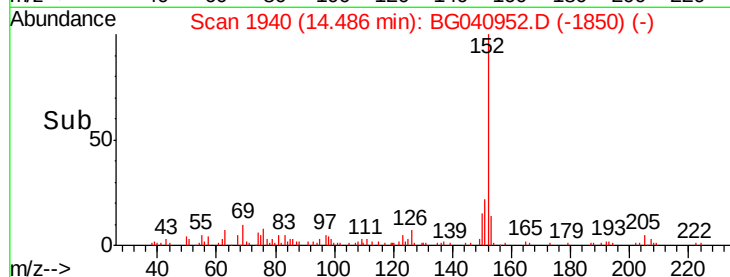
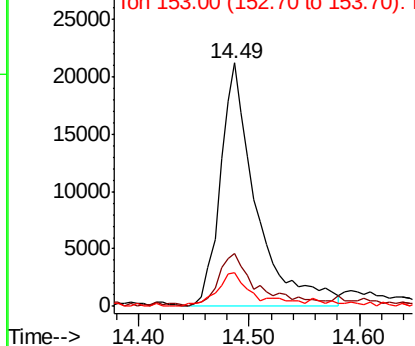
Tot Ion:	152	Resp:	47738
Ion Ratio	Lower	Upper	
152	100		
151	22.0	17.4	26.0
153	14.1	11.0	16.4

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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: 9.769 ng

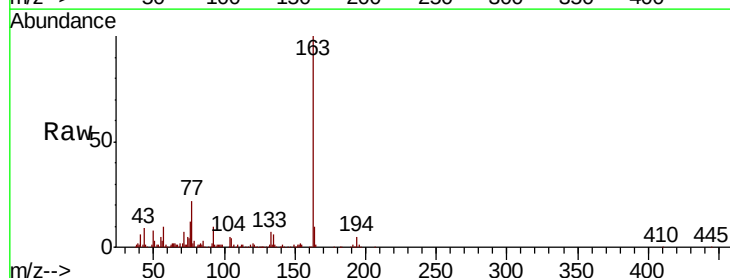
RT: 14.20 min Scan# 1891

Delta R.T. -0.01 min

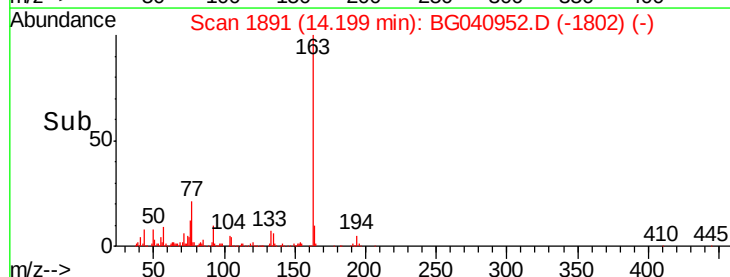
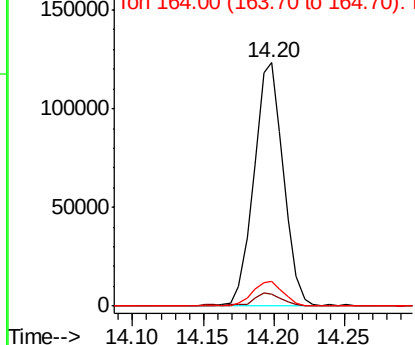
Lab File: BG040952.D

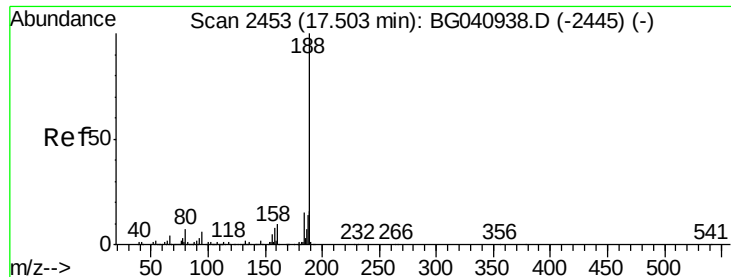
Acq: 30 May 2019 15:07

Tgt Ion:	163	Resp:	180941
Ion Ratio	Lower	Upper	
163	100		
194	5.1	3.8	5.8
164	10.0	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Instrument :

BNA_G

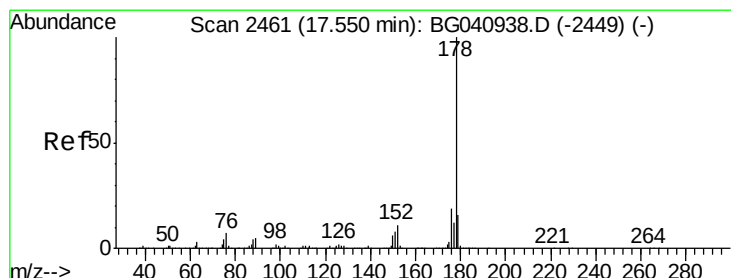
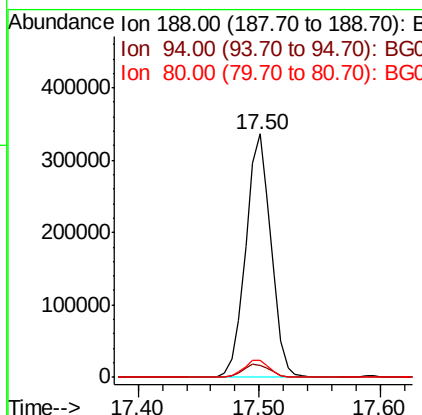
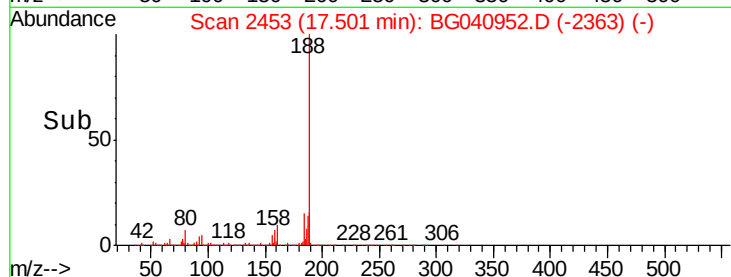
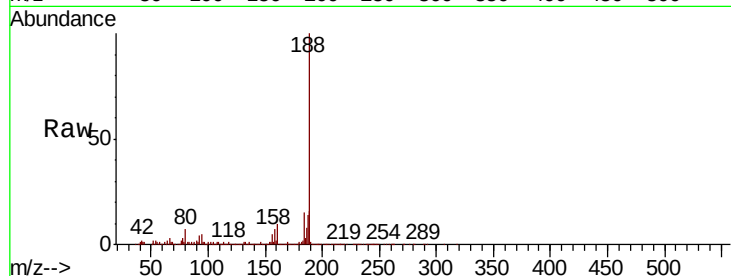
ClientSampleId :

FESB-13(9.5-10)

Tot Ion:188	Resp:	490283
Ion Ratio	Lower	Upper
188 100		
94 4.9	4.7	7.1
80 6.9	5.8	8.8

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#71

Phenanthrene

Concen: 3.857 ng

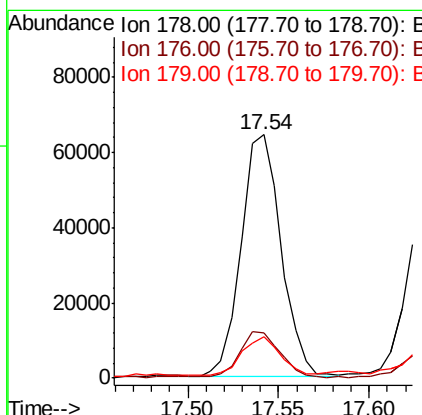
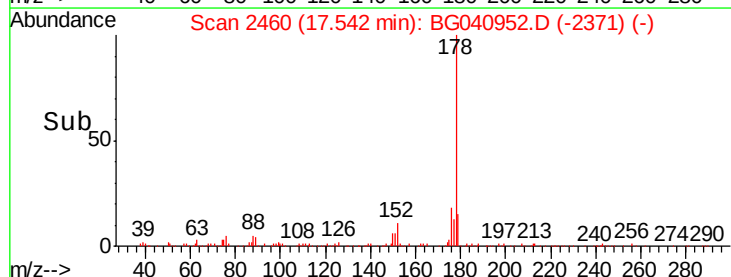
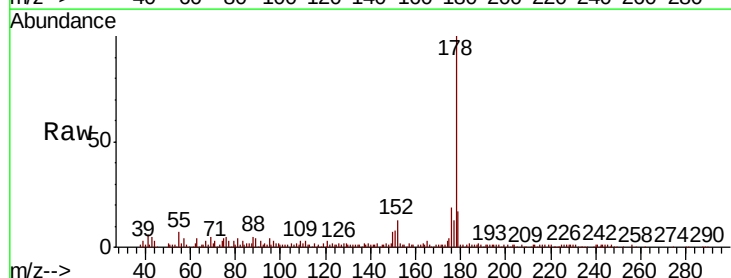
RT: 17.54 min Scan# 2460

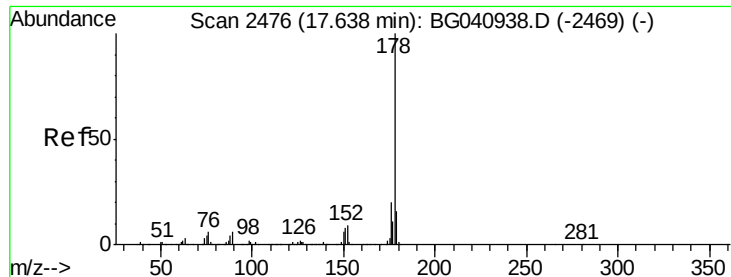
Delta R.T. -0.01 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Tgt Ion:178	Resp:	98496
Ion Ratio	Lower	Upper
178 100		
176 18.7	15.5	23.3
179 16.9	12.7	19.1





#72

Anthracene

Concen: 2.661 ng

RT: 17.63 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Instrument :

BNA_G

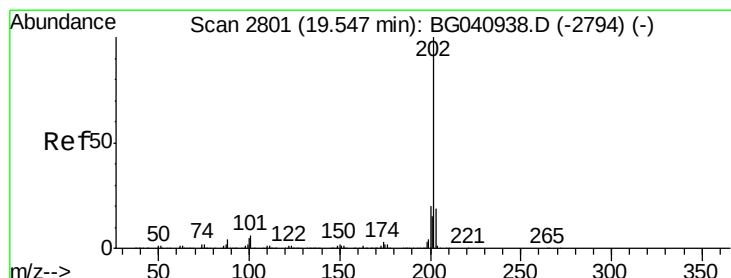
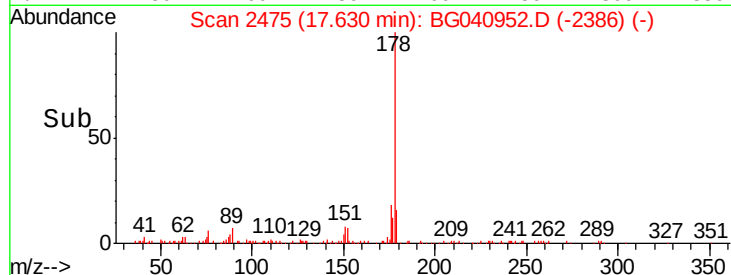
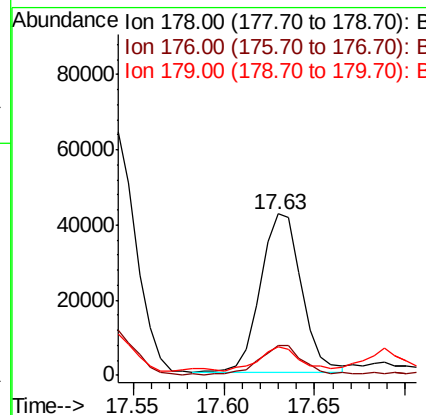
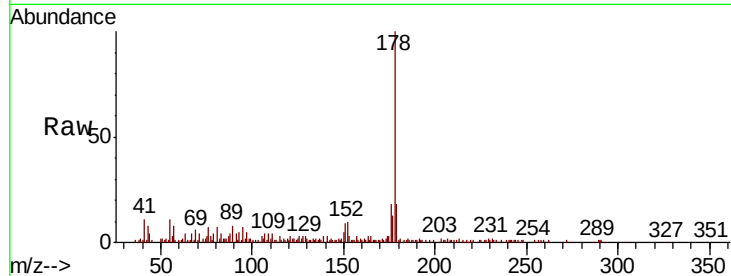
ClientSampleId :

FESB-13(9.5-10)

Tot Ion:	178	Resp:	67013
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.6	23.4
179	17.6	13.0	19.4

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#75

Fluoranthene

Concen: 13.398 ng

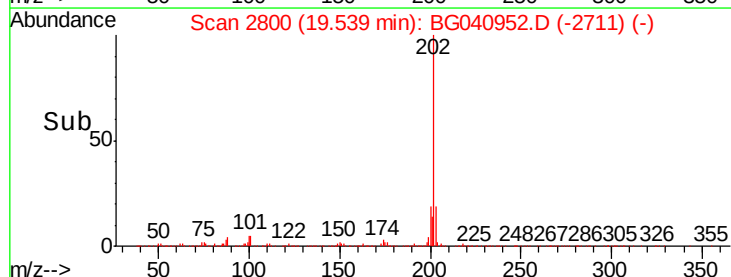
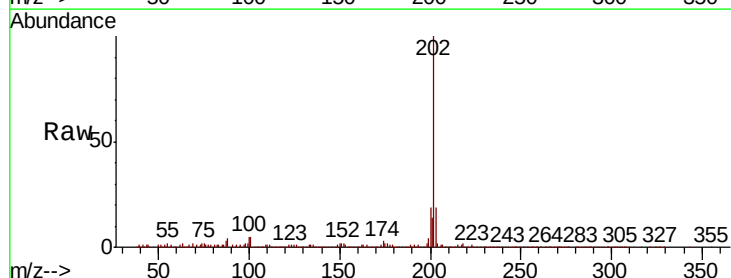
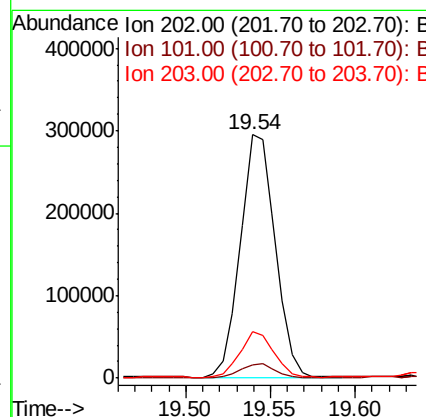
RT: 19.54 min Scan# 2800

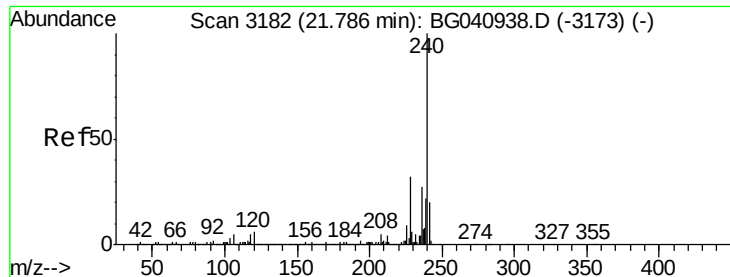
Delta R.T. -0.01 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Tgt Ion:	202	Resp:	422612
Ion Ratio	Lower	Upper	
202	100		
101	5.5	0.0	26.2
203	19.0	0.0	38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.01 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Instrument :

BNA_G

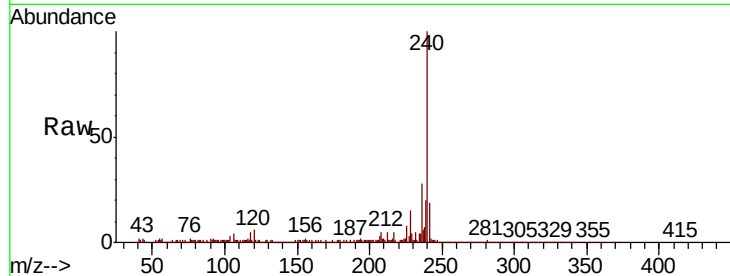
ClientSampleId :

FESB-13(9.5-10)

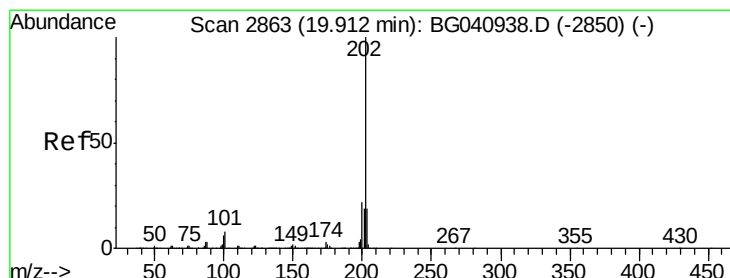
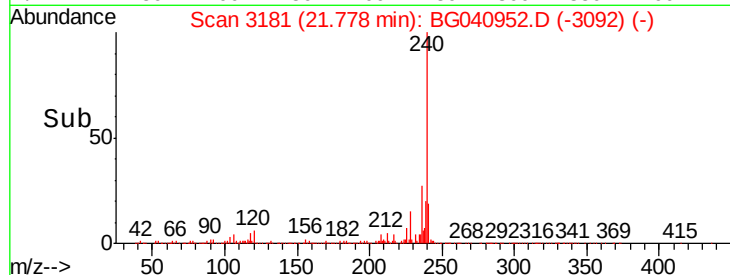
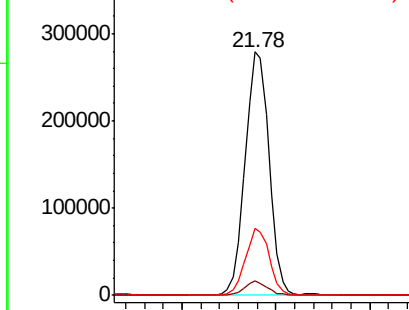
Tot Ion:	240	Resp:	488014
Ion Ratio	Lower	Upper	
240	100		
120	5.8	4.5	6.7
236	27.6	21.3	31.9

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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



#78

Pyrene

Concen: 14.262 ng

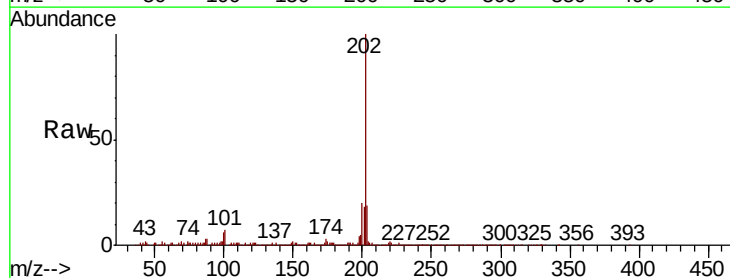
RT: 19.90 min Scan# 2862

Delta R.T. -0.01 min

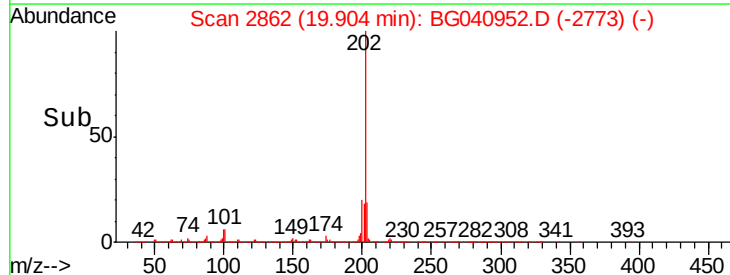
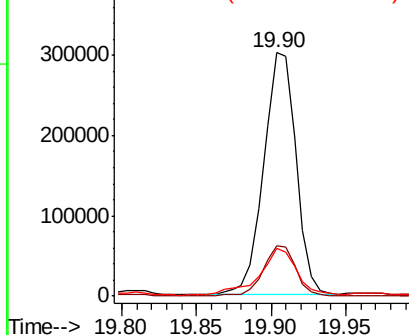
Lab File: BG040952.D

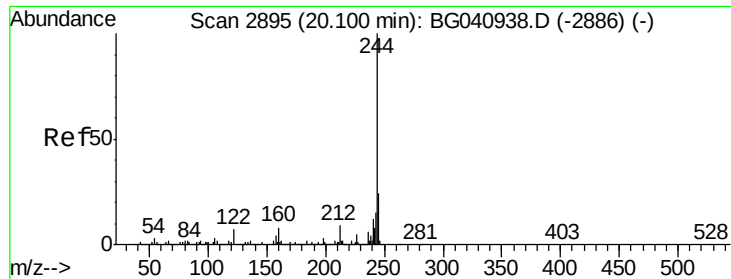
Acq: 30 May 2019 15:07

Tgt Ion:	202	Resp:	452439
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.5	26.3
203	19.5	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: 81.303 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.00 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Instrument :

BNA_G

ClientSampleId :

FESB-13(9.5-10)

Tot Ion:244 Resp: 1869485

Ion Ratio Lower Upper

244 100

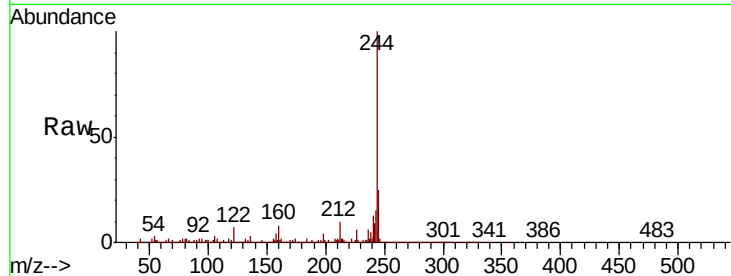
212 9.9 7.0 10.4

122 7.4 5.4 8.0

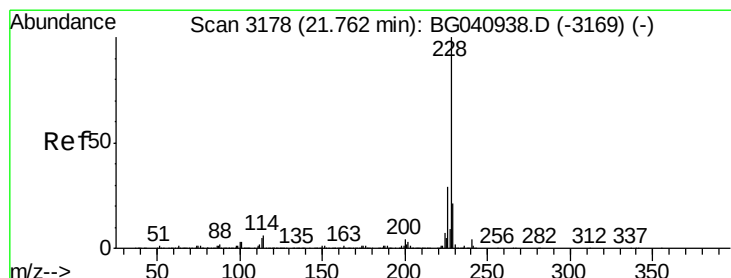
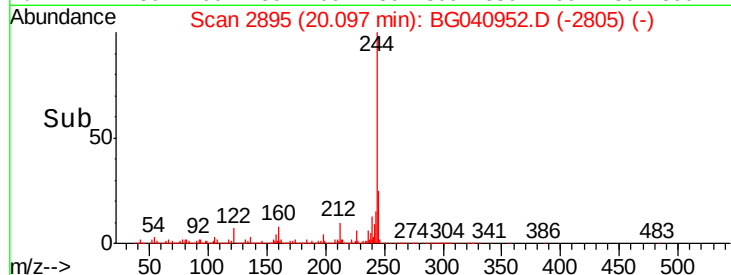
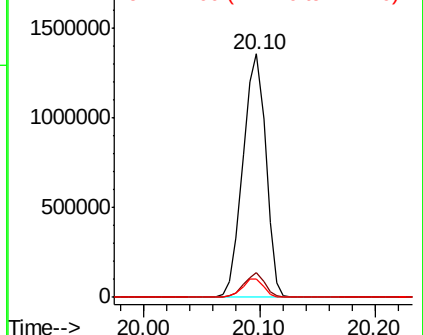
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 8.365 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

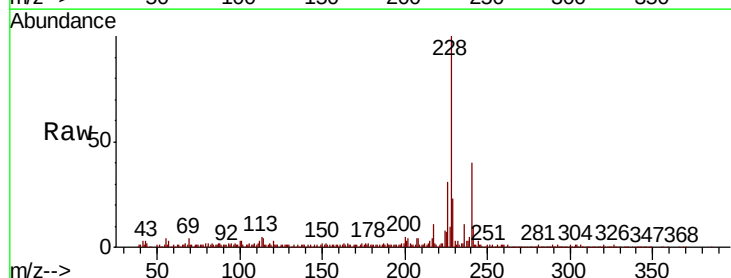
Tgt Ion:228 Resp: 271751

Ion Ratio Lower Upper

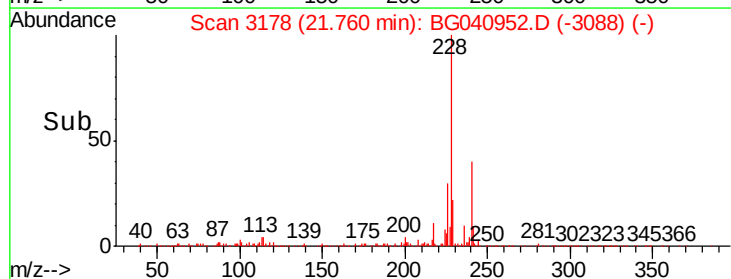
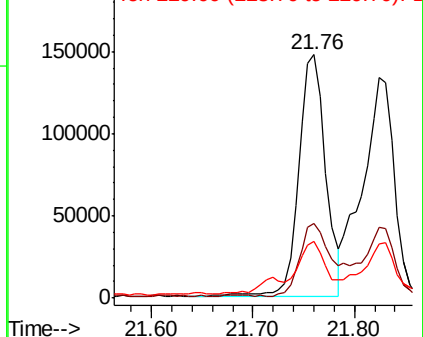
228 100

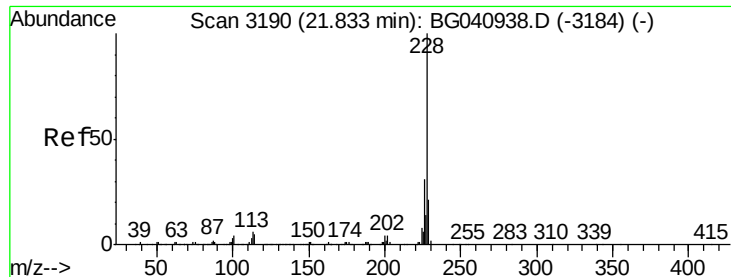
226 30.8 23.5 35.3

229 23.2 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





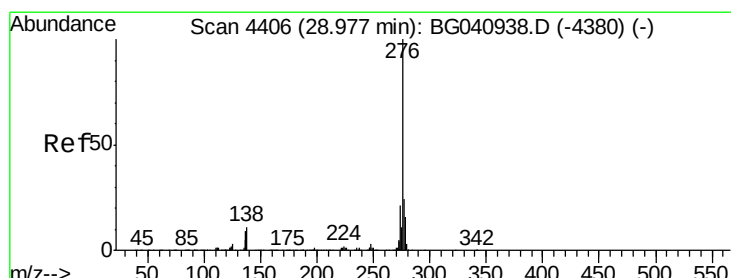
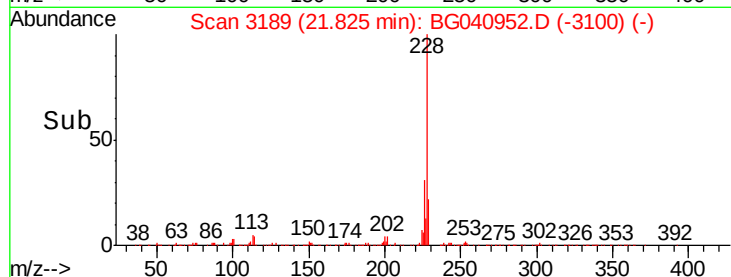
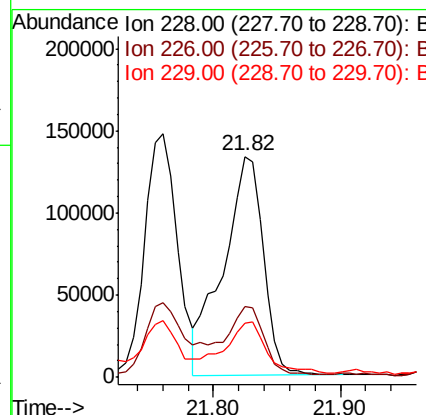
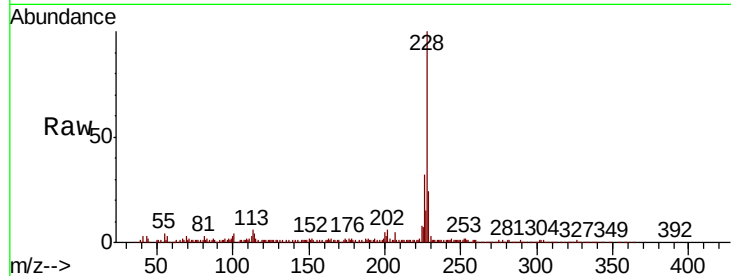
#83
Chrysene
Concen: 9.334 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.01 min
Lab File: BG040952.D
Acq: 30 May 2019 15:07

Instrument :
BNA_G
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.6	37.0
229	24.3	16.6	24.8

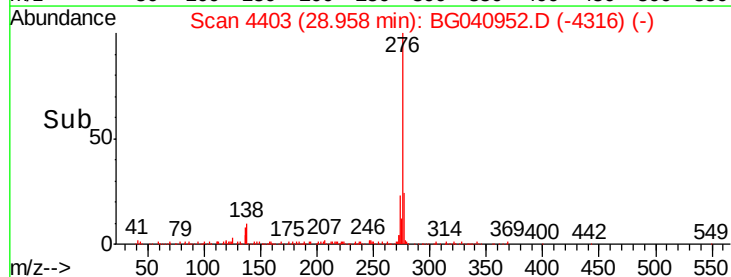
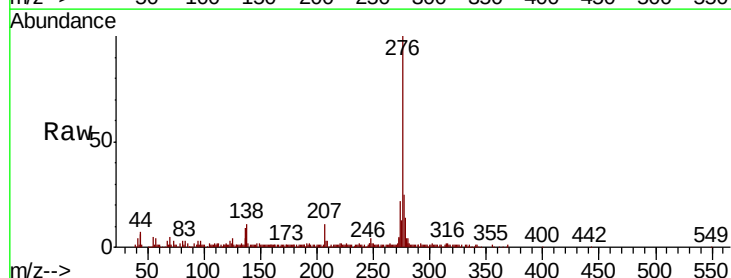
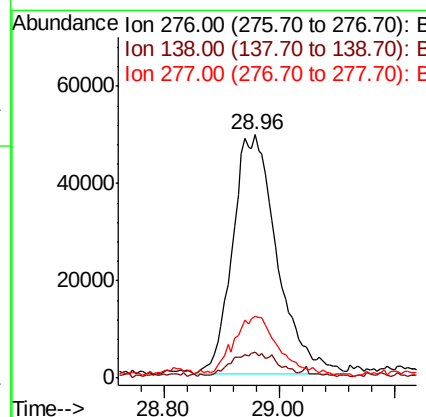
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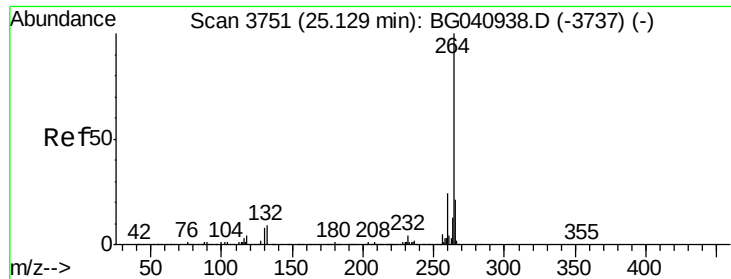
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.919 ng m
RT: 28.96 min Scan# 4403
Delta R.T. -0.02 min
Lab File: BG040952.D
Acq: 30 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.7	5.7	8.5#
277	22.3	20.8	31.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.12 min Scan# 3750

Delta R.T. -0.01 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Instrument :

BNA_G

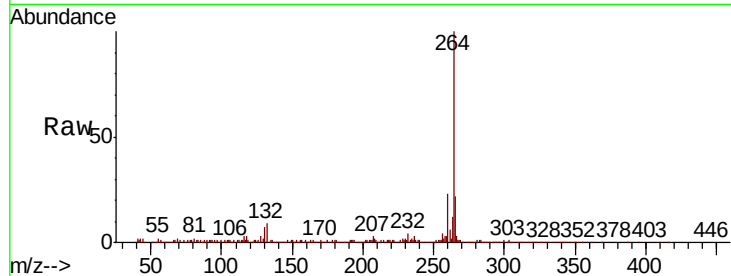
ClientSampleId :

FESB-13(9.5-10)

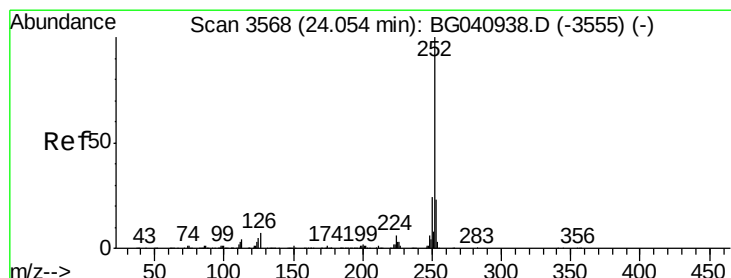
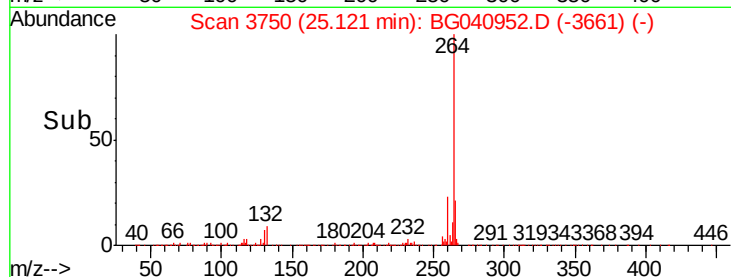
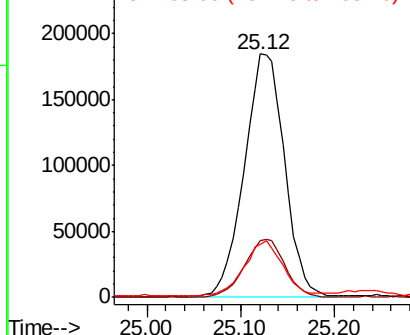
Tot Ion:	264	Resp:	543871
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.0	28.4
265	21.9	17.0	25.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.614 ng

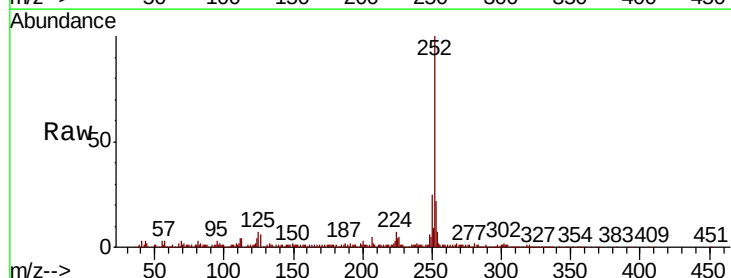
RT: 24.06 min Scan# 3569

Delta R.T. 0.00 min

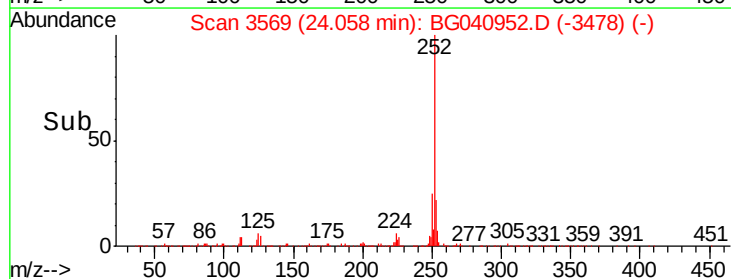
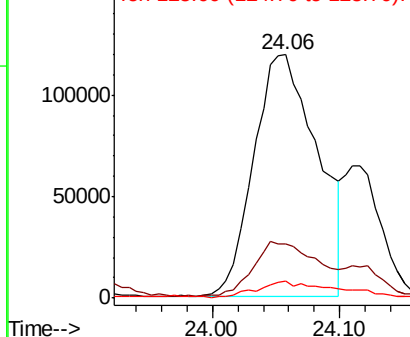
Lab File: BG040952.D

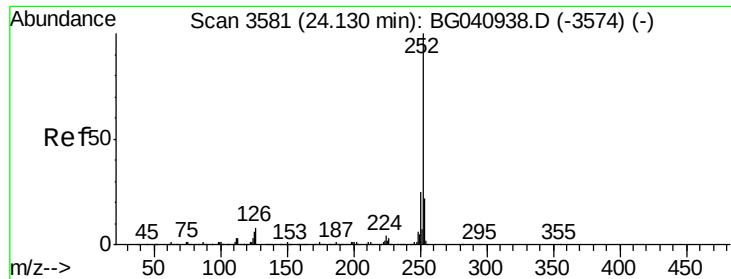
Acq: 30 May 2019 15:07

Tgt Ion:	252	Resp:	416098
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.4	27.6
125	7.0	4.3	6.5#



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





#89

Benzo(k)fluoranthene

Concen: 4.010 ng

RT: 24.12 min Scan# 3579

Delta R.T. -0.01 min

Lab File: BG040952.D

Acq: 30 May 2019 15:07

Instrument :

BNA_G

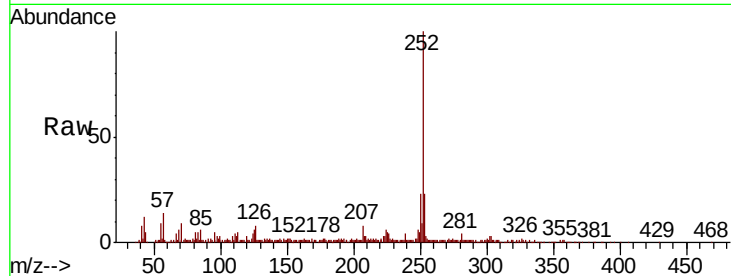
ClientSampled :

FESB-13(9.5-10)

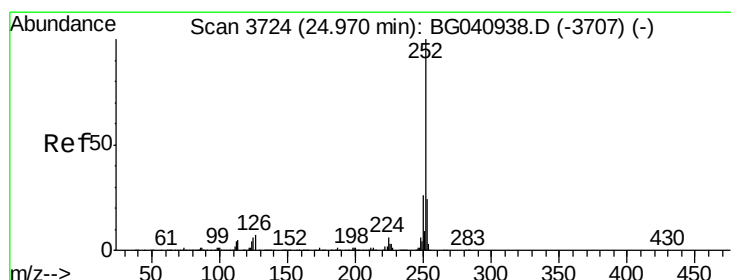
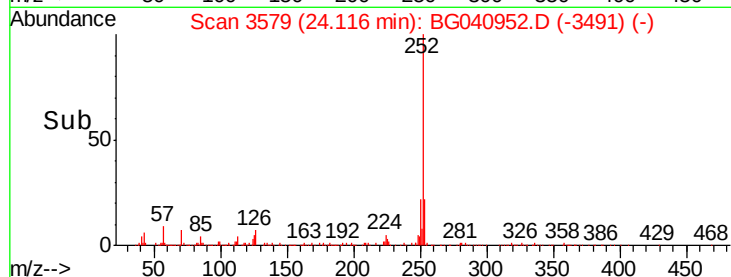
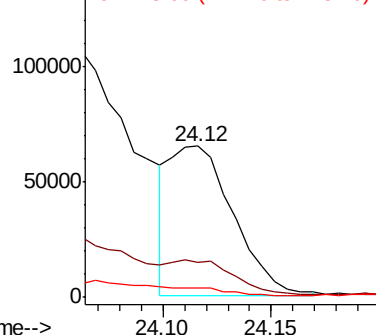
Tot Ion:	252	Resp:	130906
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.6
125	6.0	4.7	7.1

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



#90

Benzo(a)pyrene

Concen: 11.282 ng

RT: 24.96 min Scan# 3723

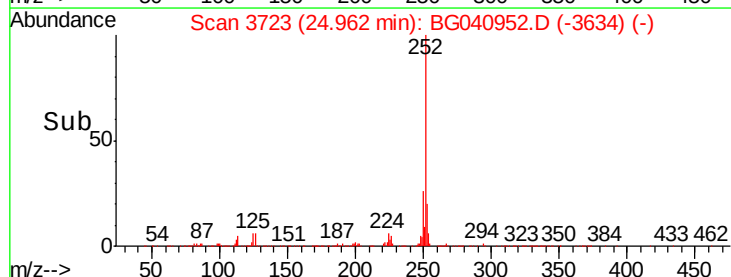
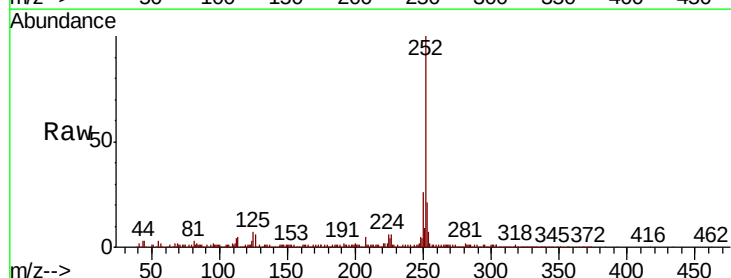
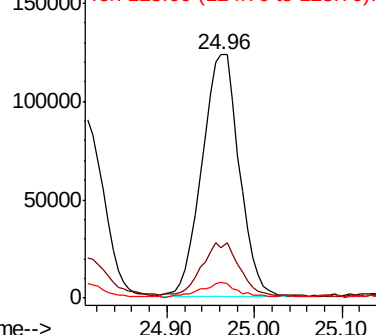
Delta R.T. -0.01 min

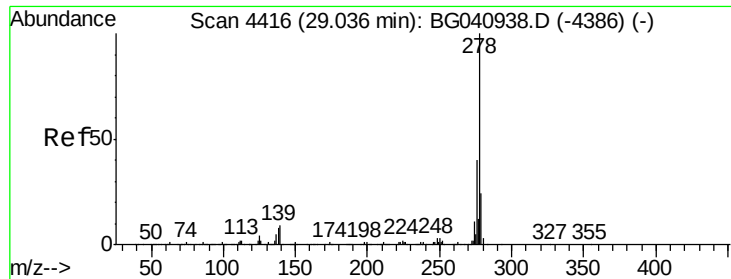
Lab File: BG040952.D

Acq: 30 May 2019 15:07

Tgt Ion:	252	Resp:	355065
Ion Ratio	Lower	Upper	
252	100		
253	20.9	19.5	29.3
125	6.6	5.1	7.7

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





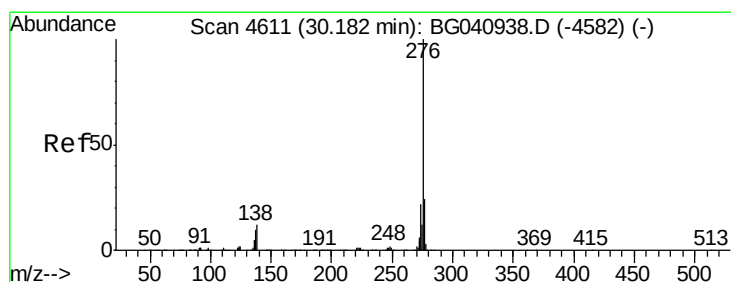
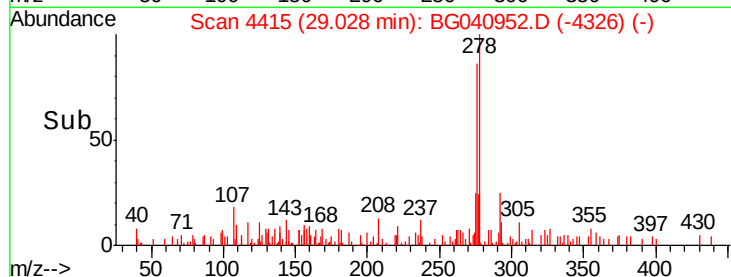
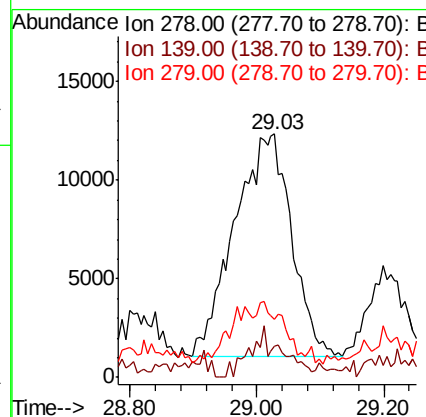
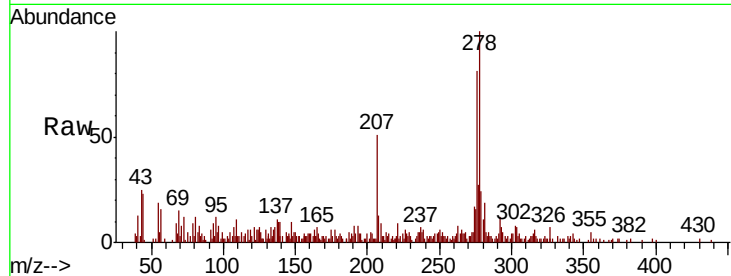
#91
Dibenzo(a,h)anthracene
Concen: 2.248 ng
RT: 29.03 min Scan# 4415
Delta R.T. -0.01 min
Lab File: BG040952.D
Acq: 30 May 2019 15:07

Instrument :
BNA_G
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.1	7.1	10.7#
279	23.8	19.4	29.2

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#92
Benzo(g,h,i)perylene
Concen: 8.077 ng
RT: 30.16 min Scan# 4608
Delta R.T. -0.02 min
Lab File: BG040952.D
Acq: 30 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.0
138	13.4	9.7	14.5

