

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
 Data File : BG041002.D
 Acq On : 1 Jun 2019 7:55
 Operator : HP/JU
 Sample : K2966-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FESB-18(2.5-3.0)

Manual Integrations
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 6/3/2019 8:50:34 AM

Quant Time: Jun 03 01:42:34 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	72474	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	286407	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	201197	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	459830	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	451325	20.00	ng	-0.01
87) Perylene-d12	25.12	264	496394	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	455282	113.28	ng	0.00
7) Phenol-d6	7.26	99	662747	106.77	ng	0.00
23) Nitrobenzene-d5	9.30	82	473431	73.38	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	300914	100.74	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	904622	64.75	ng	-0.01
79) Terphenyl-d14	20.09	244	1209980	56.90	ng	-0.01
Target Compounds						
10) Phenol	7.29	94	22044	3.312	ng	99
50) Dimethylphthalate	14.19	163	131440	7.718	ng	99
52) Acenaphthene	14.81	154	23999	2.059	ng	97
58) Fluorene	15.79	166	41117	2.632	ng	96
71) Phenanthrene	17.54	178	777142	32.446	ng	99
72) Anthracene	17.63	178	111153	4.705	ng	96
73) Carbazole	17.90	167	66814	3.296	ng	99
75) Fluoranthene	19.54	202	1653898	55.904	ng	95
78) Pyrene	19.91	202	1559826	53.165	ng	96
81) Benzo(a)anthracene	21.76	228	841189	27.999	ng	98
83) Chrysene	21.83	228	865501	30.104	ng	95
86) Indeno(1,2,3-cd)pyrene	28.96	276	550961	15.644	ng	# 97
88) Benzo(b)fluoranthene	24.05	252	1071243	35.580	ng	99
89) Benzo(k)fluoranthene	24.11	252	403940m	13.558	ng	
90) Benzo(a)pyrene	24.96	252	814909	28.369	ng	100
91) Dibenzo(a,h)anthracene	29.01	278	148396m	5.170	ng	
92) Benzo(a,h,i)perylene	30.16	276	541094	19.404	ng	97

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

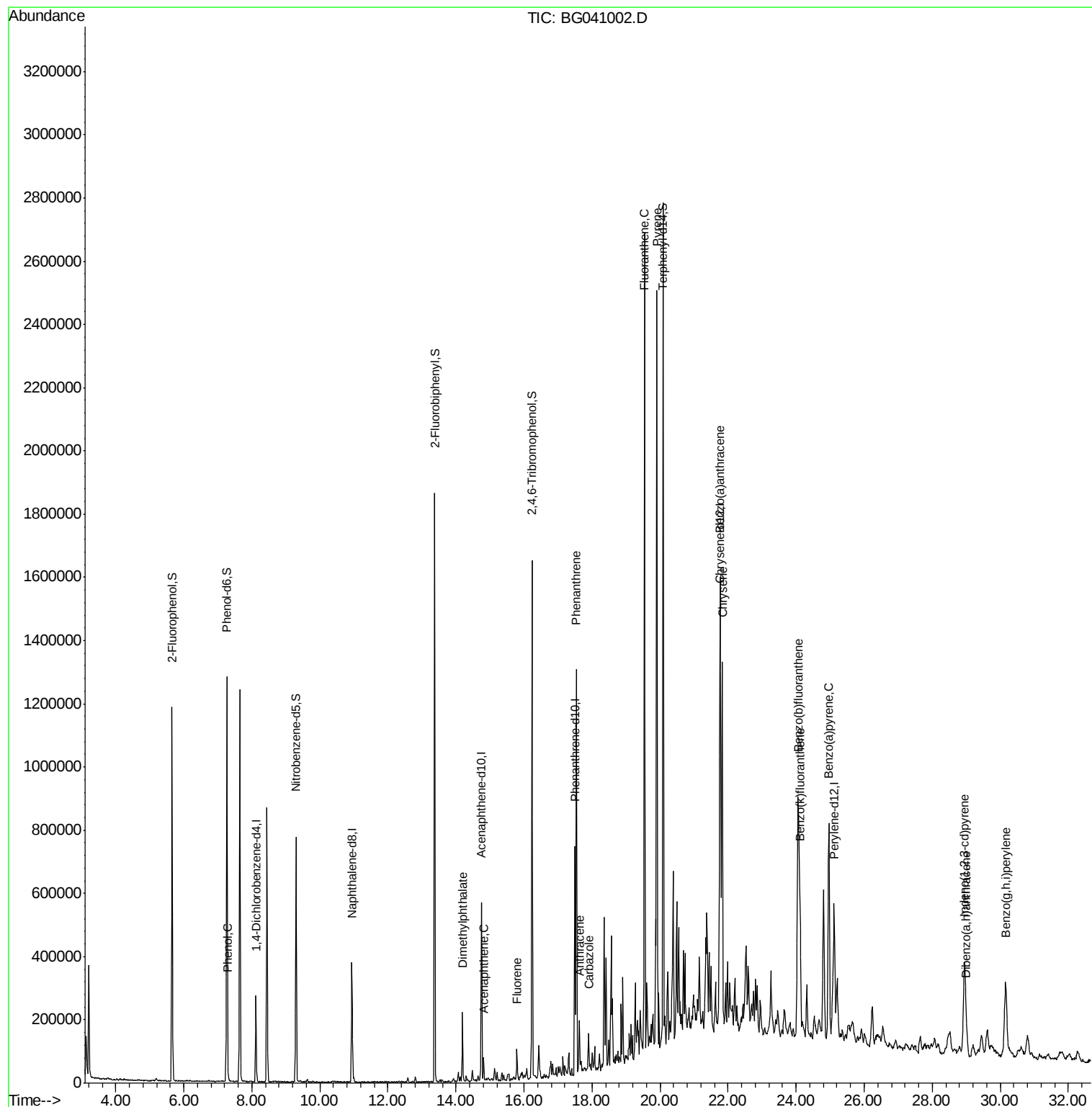
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
Data File : BG041002.D
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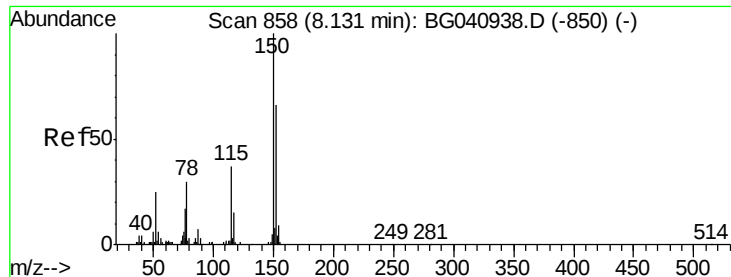
Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

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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





#1

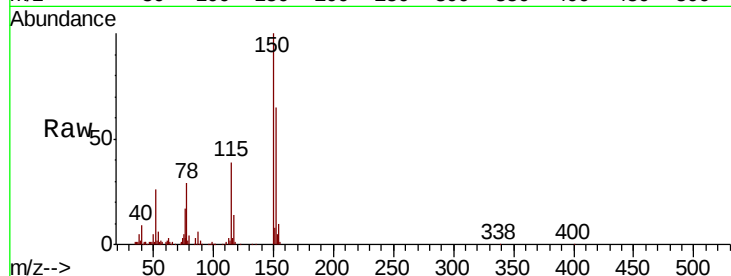
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	120.6	180.8
115	60.0	45.1	67.7

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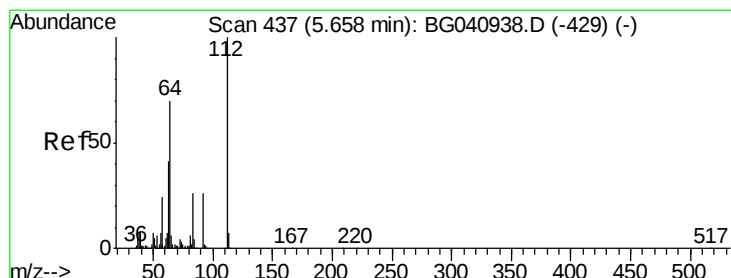
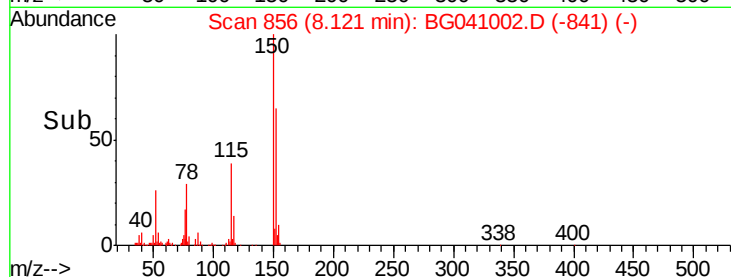
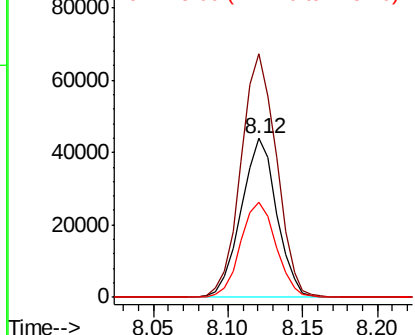


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

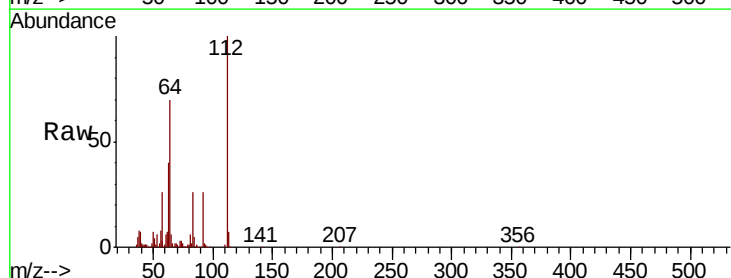
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.278 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.00 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	56.2	84.2
63	40.1	32.8	49.2

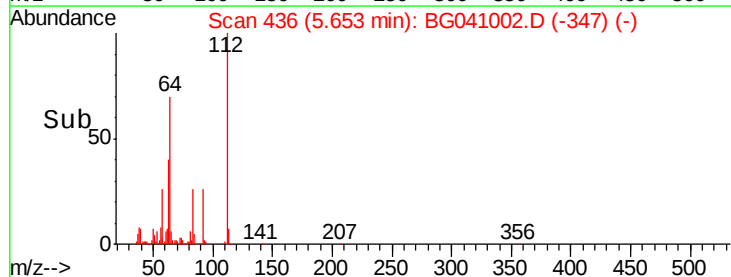
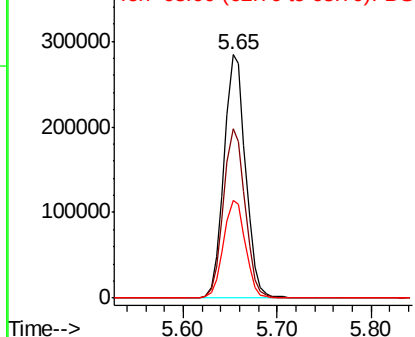


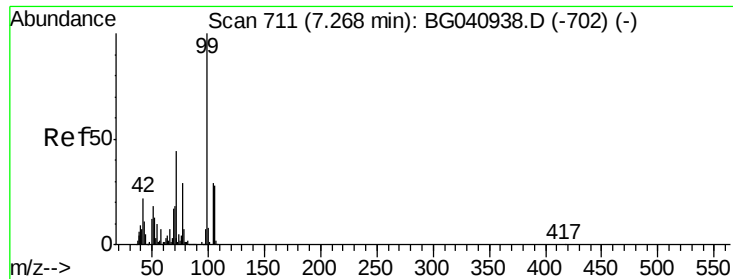
Abundance

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: 106.771 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.00 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

Instrument :

BNA_G

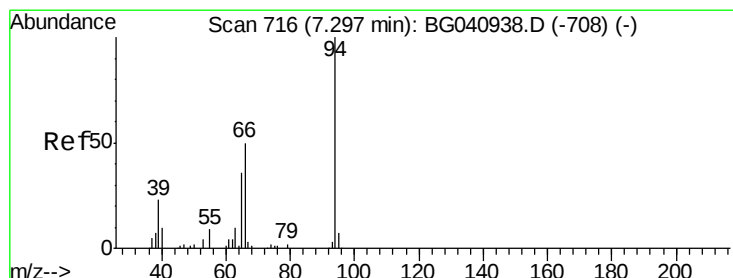
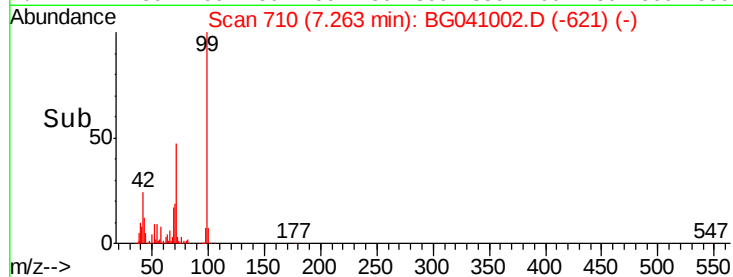
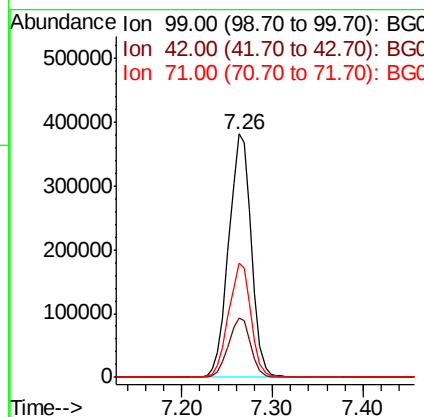
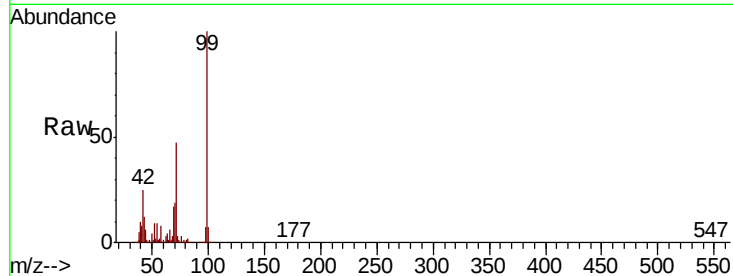
ClientSampleId :

FESB-18(2.5-3.0)

Tot Ion:	99	Resp:	662747
Ion Ratio	Lower	Upper	
99	100		
42	24.5	17.9	26.9
71	47.2	35.4	53.0

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#10

Phenol

Concen: 3.312 ng

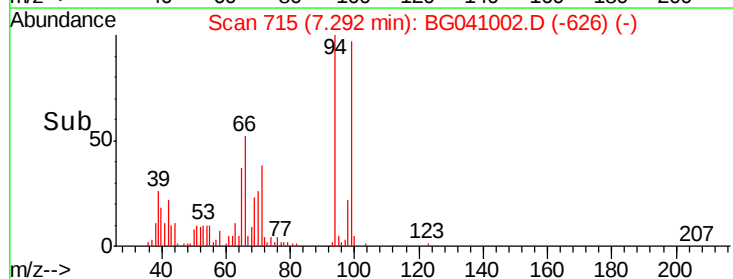
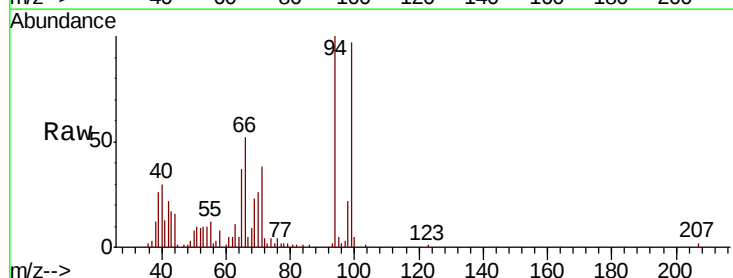
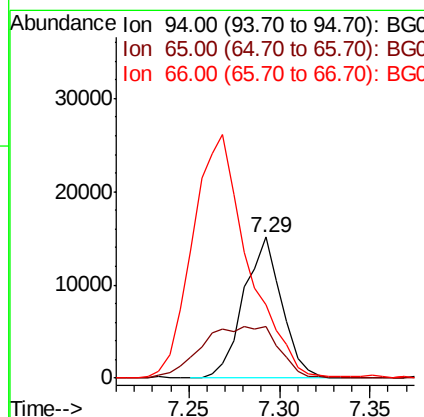
RT: 7.29 min Scan# 715

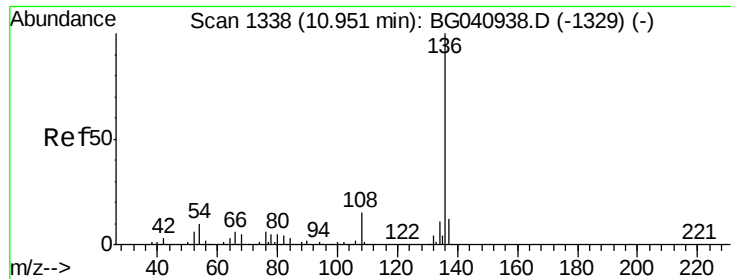
Delta R.T. -0.00 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

Tgt Ion:	94	Resp:	22044
Ion Ratio	Lower	Upper	
94	100		
65	36.7	17.0	57.0
66	51.8	32.4	72.4





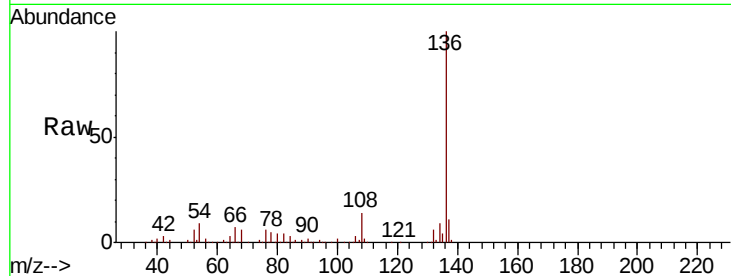
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

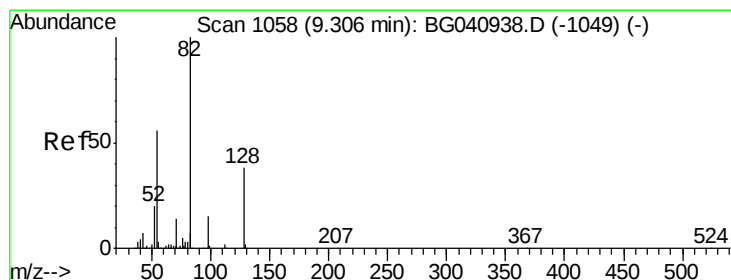
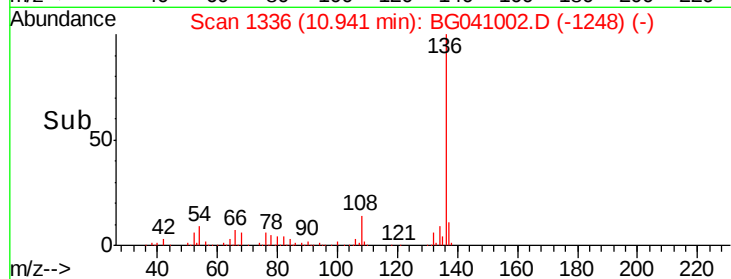
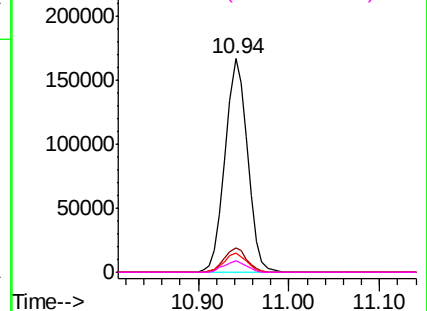
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		286407		
137	11.3	9.5	14.3		
54	9.1	7.6	11.4		
68	5.7	3.9	5.9		

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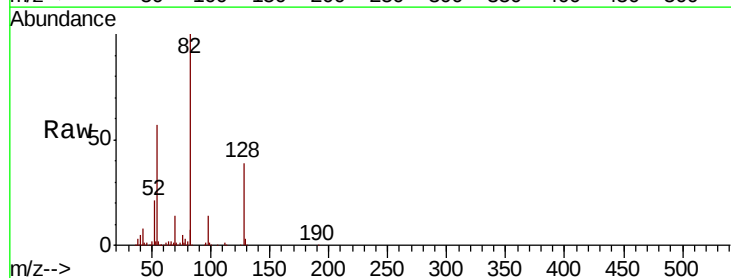


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

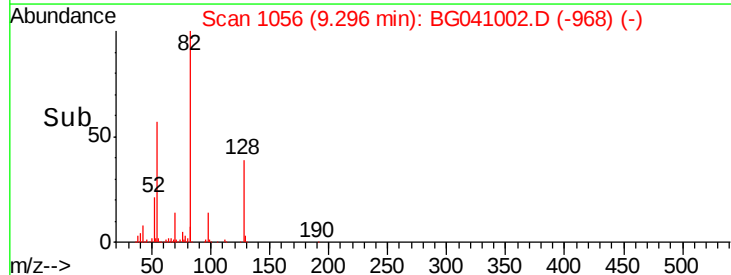
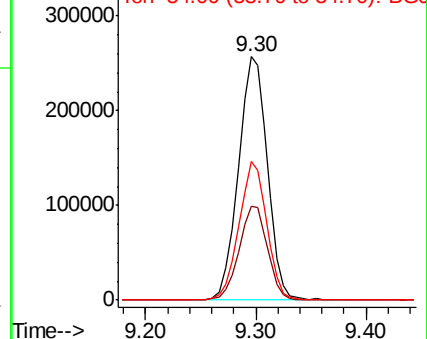


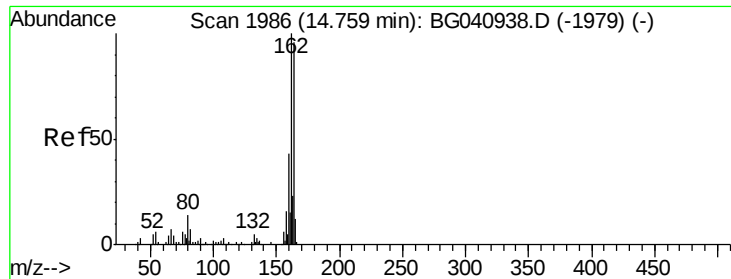
#23
Nitrobenzene-d5
Concen: 73.383 ng
RT: 9.30 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		473431		
128	38.6	30.5	45.7		
54	57.1	44.6	66.8		



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

Instrument :

BNA_G

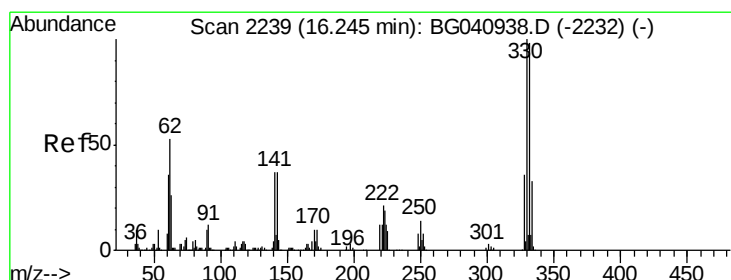
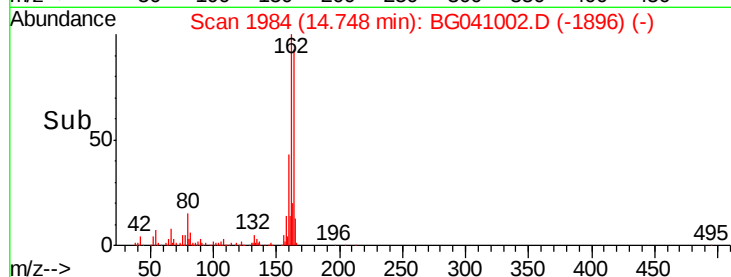
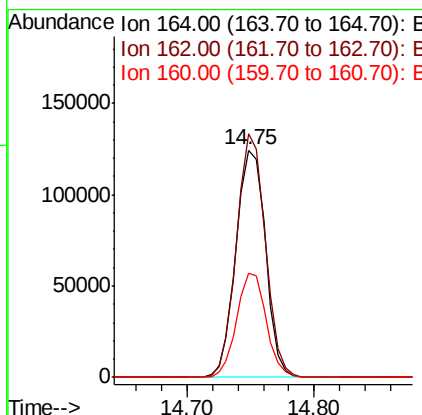
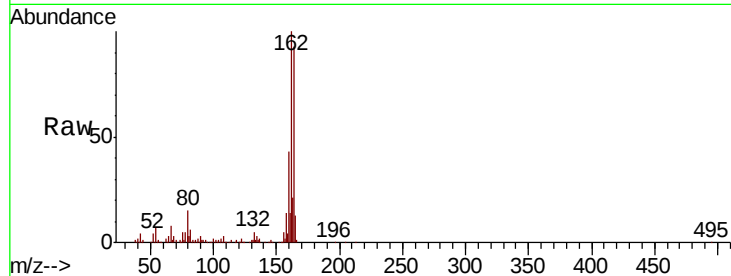
ClientSampleId :

FESB-18(2.5-3.0)

Tot Ion:	164	Resp:	201197
Ion Ratio	Lower	Upper	
164	100		
162	107.1	83.0	124.4
160	45.7	35.6	53.4

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#42

2,4,6-Tribromophenol

Concen: 100.744 ng

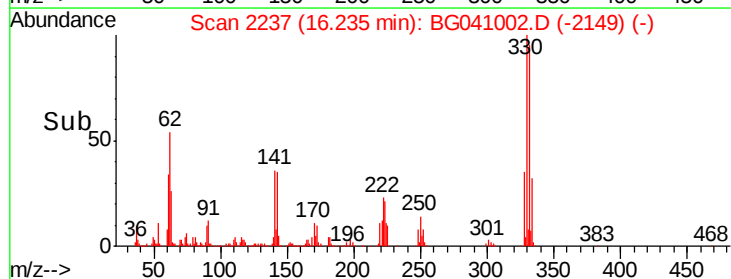
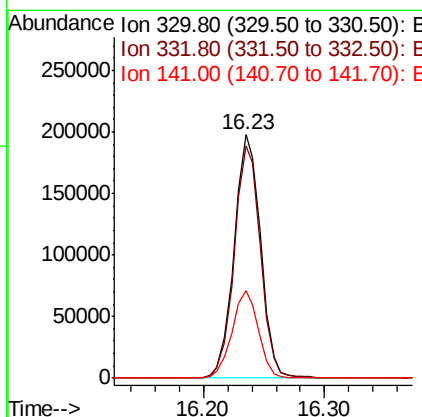
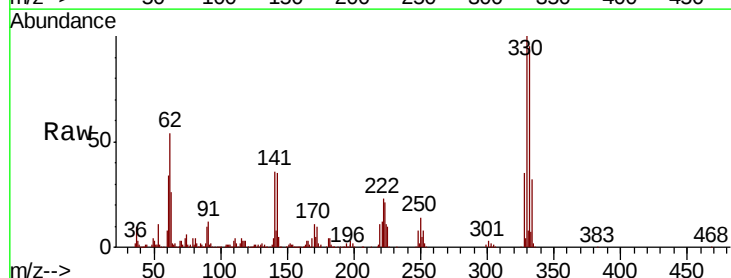
RT: 16.23 min Scan# 2237

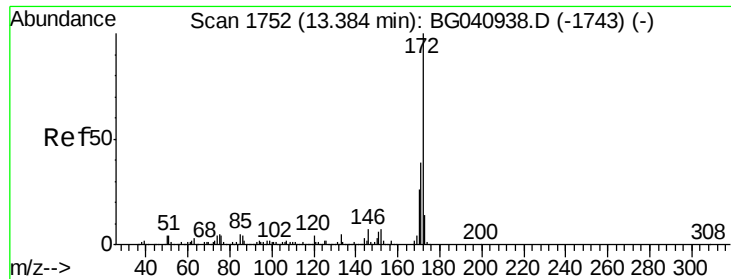
Delta R.T. -0.01 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

Tgt Ion:	330	Resp:	300914
Ion Ratio	Lower	Upper	
330	100		
332	94.6	78.5	117.7
141	36.0	28.7	43.1





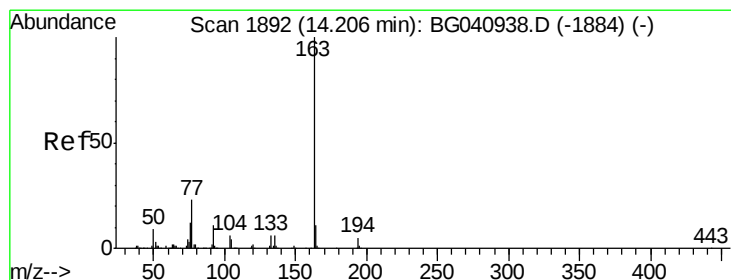
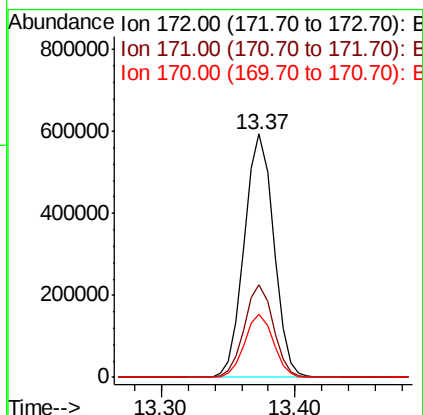
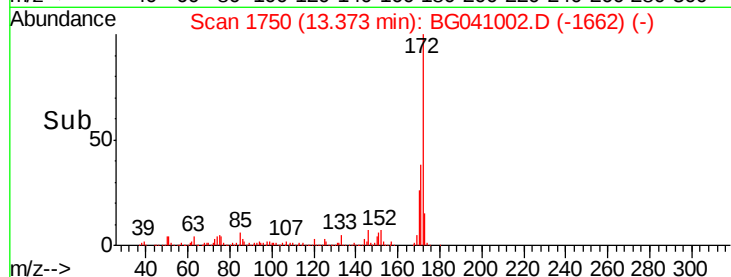
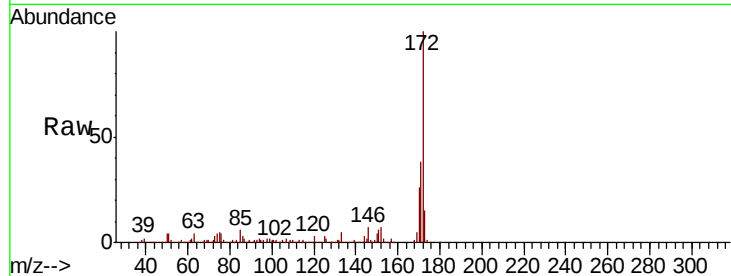
#45
2-Fluorobiphenyl
Concen: 64.750 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	38.2	31.1	46.7
170	26.0	20.5	30.7

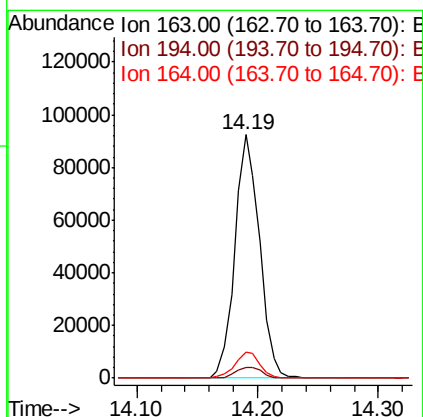
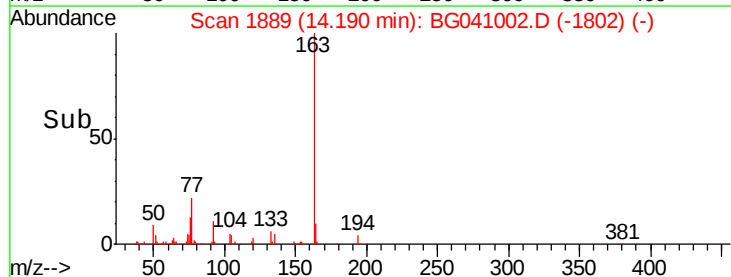
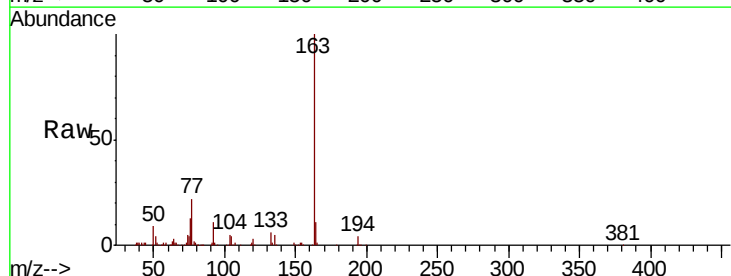
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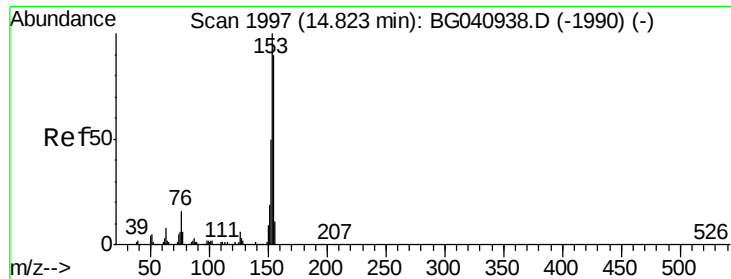
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#50
Dimethylphthalate
Concen: 7.718 ng
RT: 14.19 min Scan# 1889
Delta R.T. -0.02 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.2	3.8	5.8
164	10.7	8.7	13.1





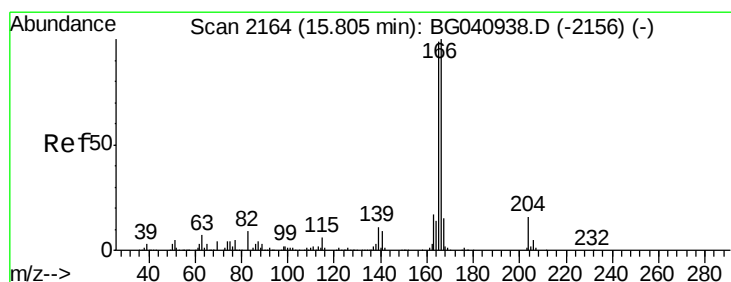
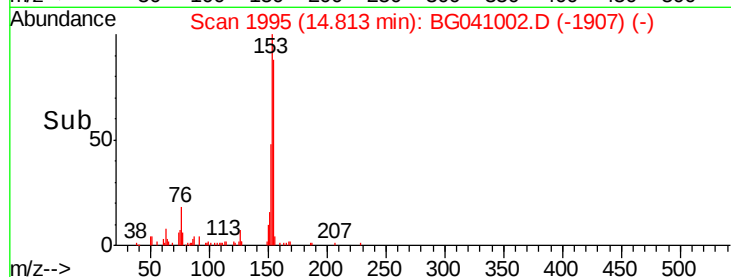
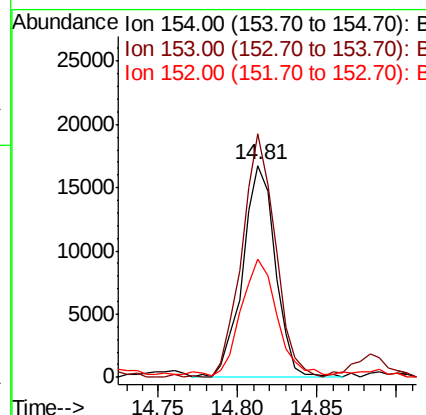
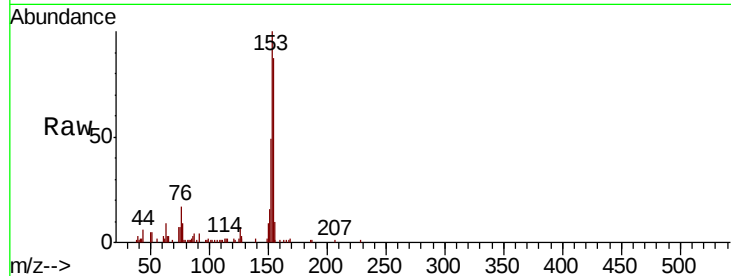
#52
Acenaphthene
Concen: 2.059 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.8	88.6	133.0
152	55.7	44.2	66.4

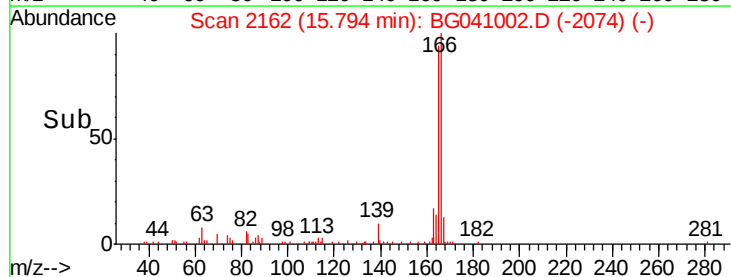
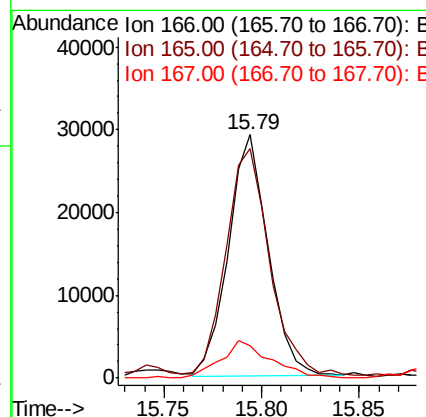
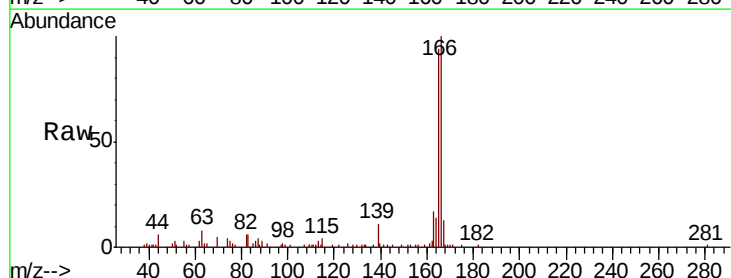
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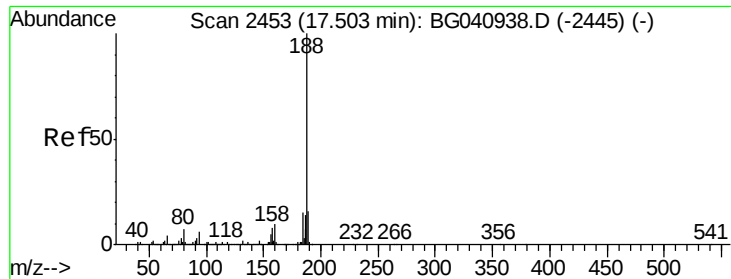
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#58
Fluorene
Concen: 2.632 ng
RT: 15.79 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.4	79.2	118.8
167	13.3	11.8	17.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

Instrument :

BNA_G

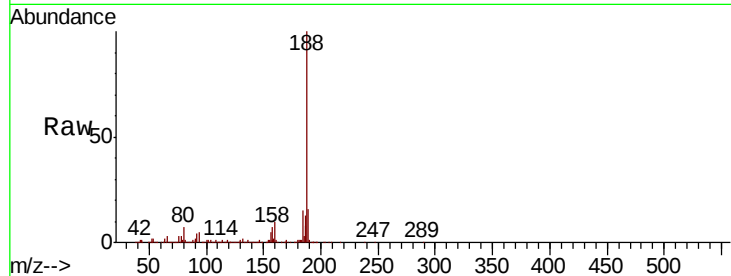
ClientSampleId :

FESB-18(2.5-3.0)

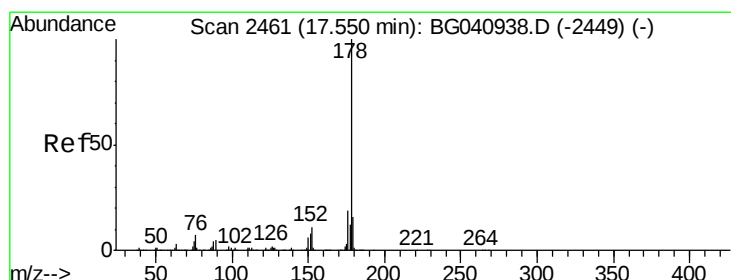
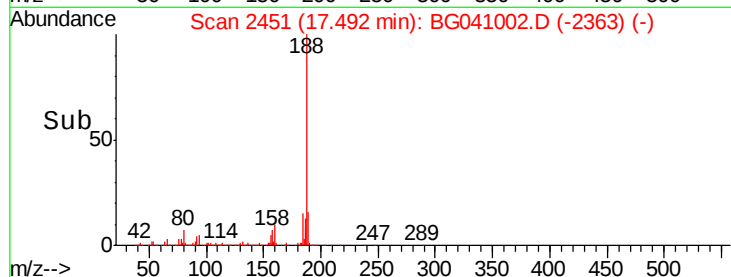
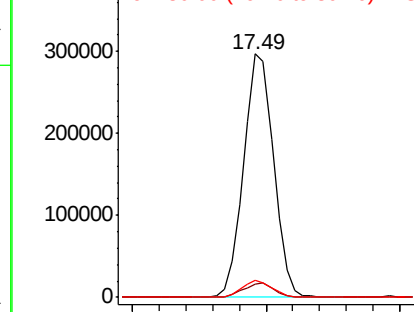
Tot Ion:	188	Resp:	459830
Ion Ratio	Lower	Upper	
188	100		
94	5.3	4.7	7.1
80	7.1	5.8	8.8

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG



#71

Phenanthrene

Concen: 32.446 ng

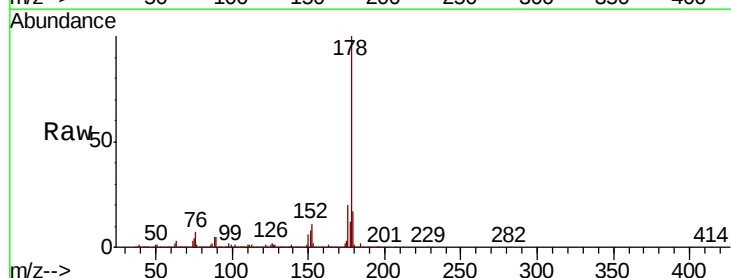
RT: 17.54 min Scan# 2459

Delta R.T. -0.01 min

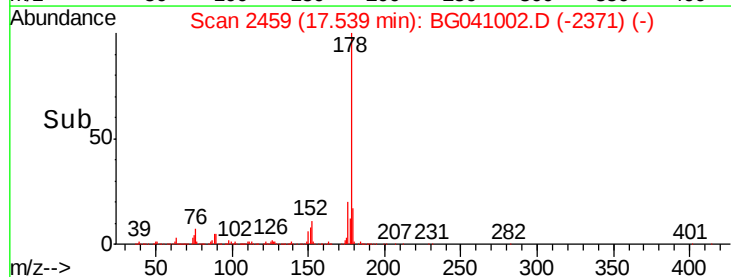
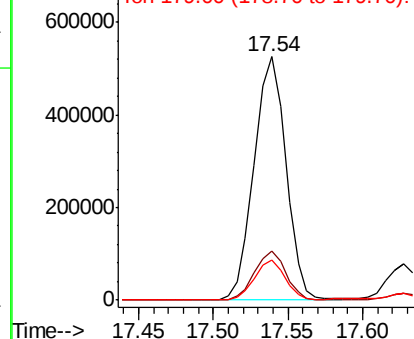
Lab File: BG041002.D

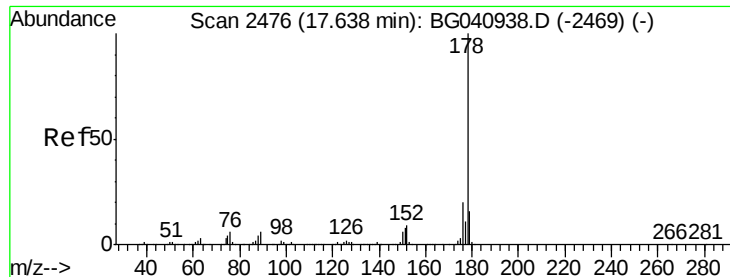
Acq: 1 Jun 2019 7:55

Tgt Ion:	178	Resp:	777142
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.5	23.3
179	16.6	12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.705 ng

RT: 17.63 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

Instrument :

BNA_G

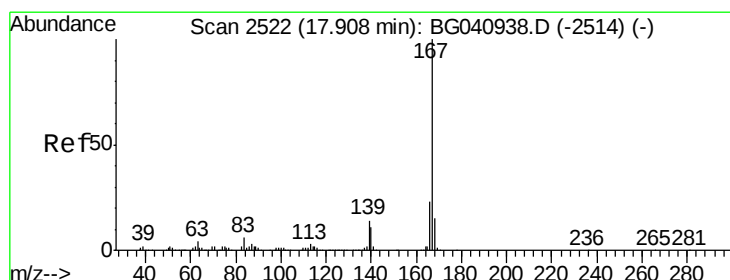
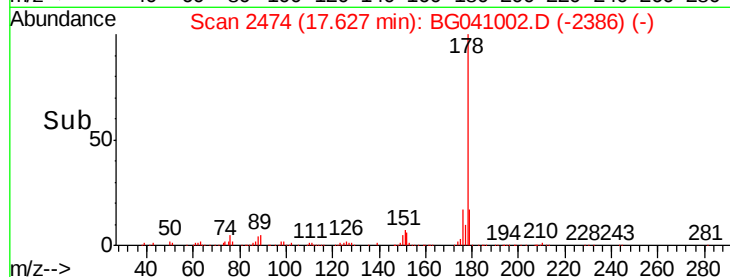
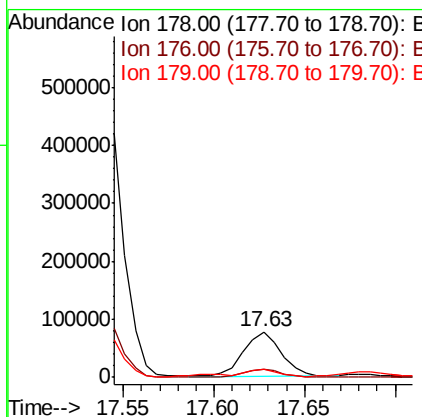
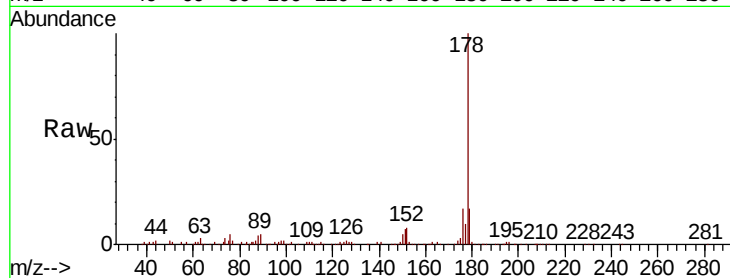
ClientSampleId :

FESB-18(2.5-3.0)

Tot Ion:	178	Resp:	111153
Ion Ratio	Lower	Upper	
178	100		
176	17.4	15.6	23.4
179	17.2	13.0	19.4

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#73

Carbazole

Concen: 3.296 ng

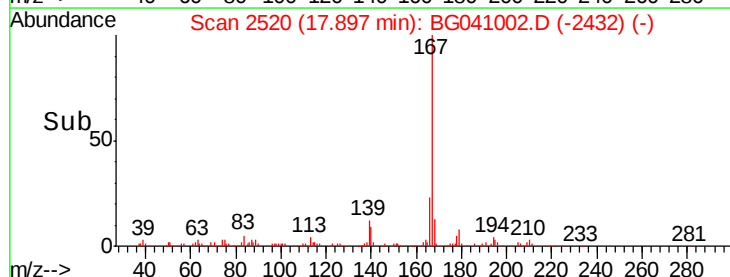
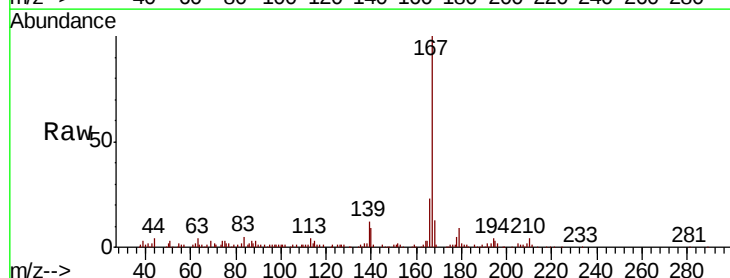
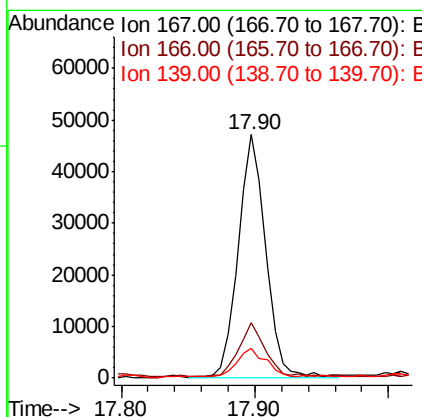
RT: 17.90 min Scan# 2520

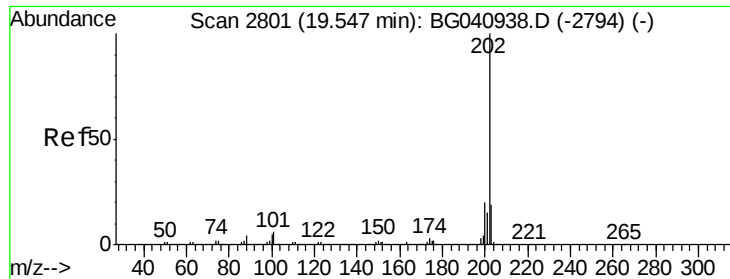
Delta R.T. -0.01 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

Tgt Ion:	167	Resp:	66814
Ion Ratio	Lower	Upper	
167	100		
166	23.0	18.2	27.4
139	12.4	10.8	16.2





#75

Fluoranthene

Concen: 55.904 ng

RT: 19.54 min Scan# 2800

Delta R.T. -0.00 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

Instrument :

BNA_G

ClientSampleId :

FESB-18(2.5-3.0)

Tot Ion:202 Resp: 1653898

Ion Ratio Lower Upper

202 100

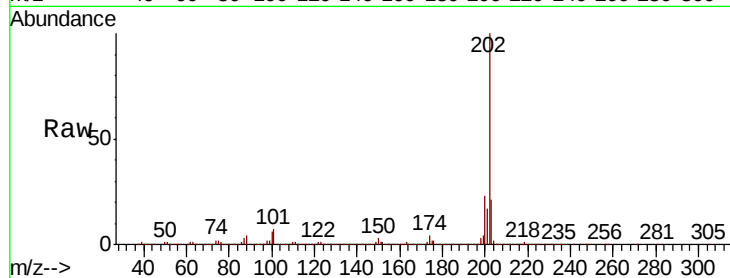
101 7.2 0.0 26.2

203 21.1 0.0 38.7

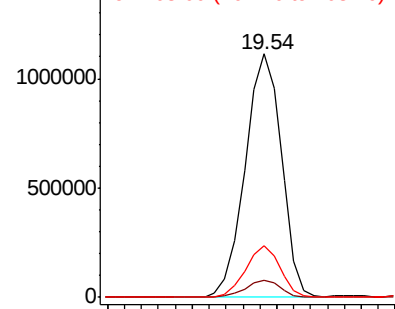
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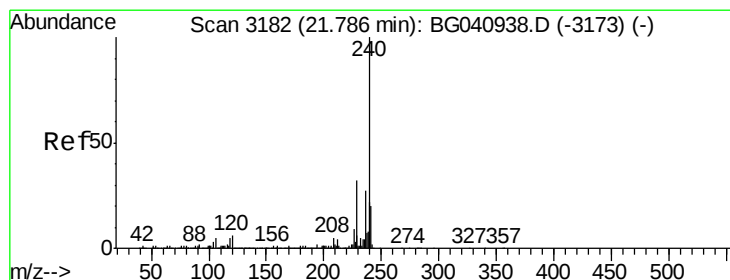
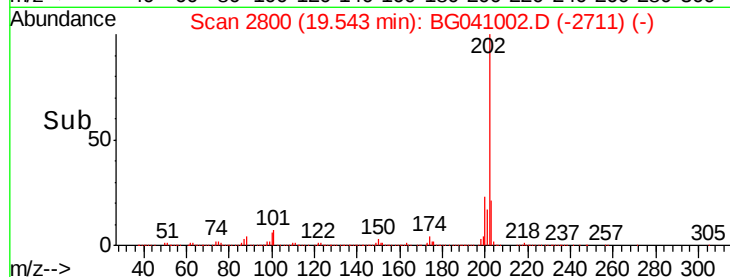
6/3/2019 8:50:34 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.45 19.50 19.55 19.60



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

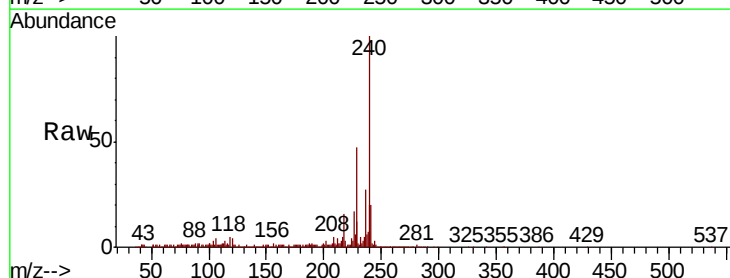
Tgt Ion:240 Resp: 451325

Ion Ratio Lower Upper

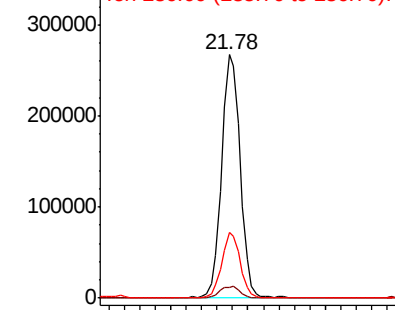
240 100

120 4.5 4.5 6.7#

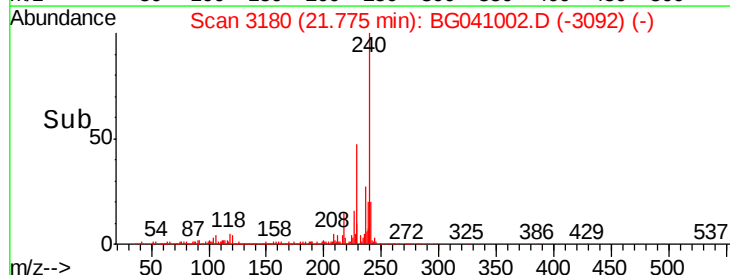
236 27.0 21.3 31.9

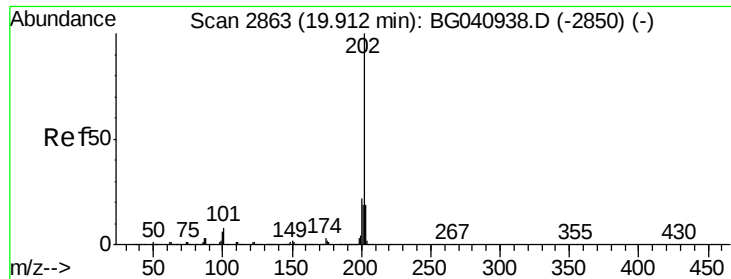


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 21.70 21.80 21.90





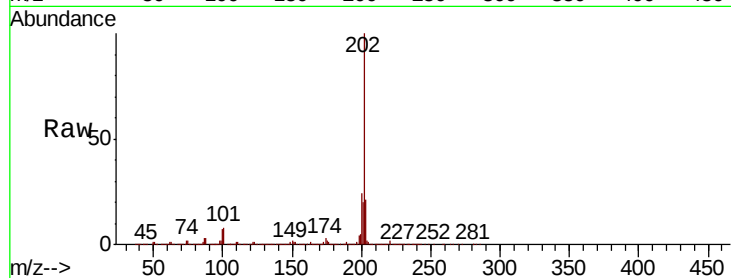
#78
Pvrene
Concen: 53.165 ng
RT: 19.91 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.6	17.5	26.3
203	21.4	15.6	23.4

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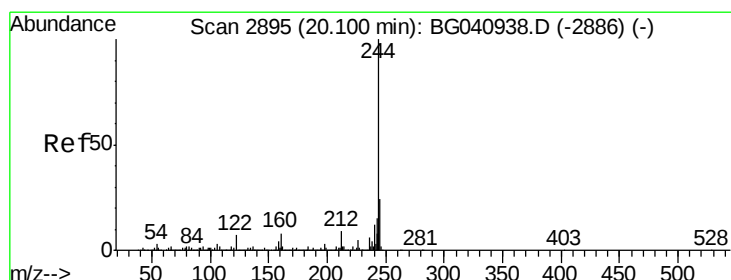
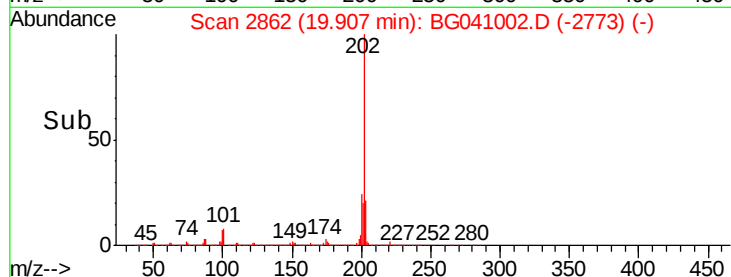
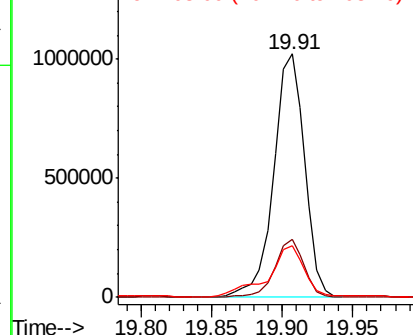


Abundance

Ion 202.00 (201.70 to 202.70): E

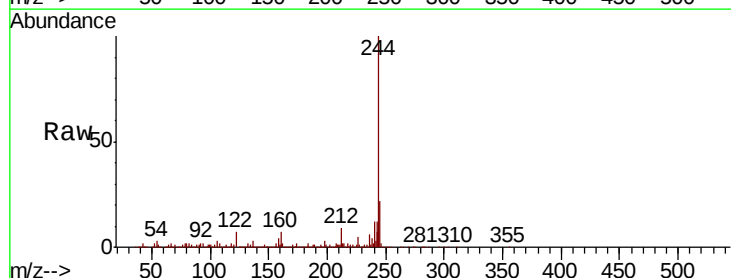
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 56.899 ng
RT: 20.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.4
122	6.9	5.4	8.0

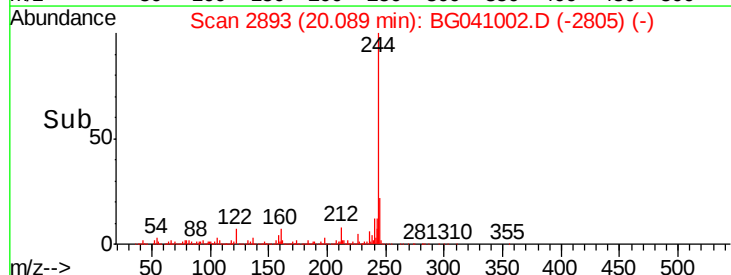
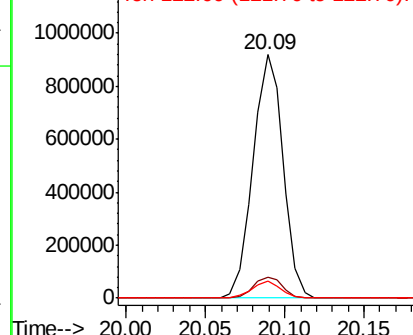


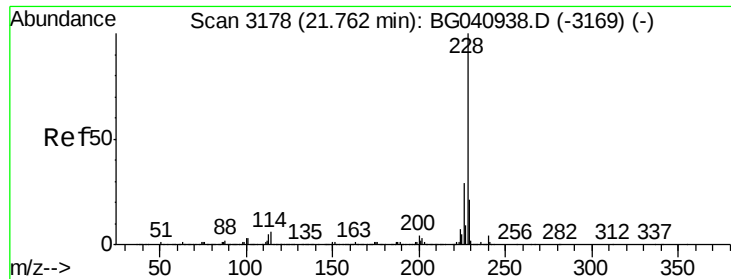
Abundance

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





#81

Benzo(a)anthracene

Concen: 27.999 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.00 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

Instrument :

BNA_G

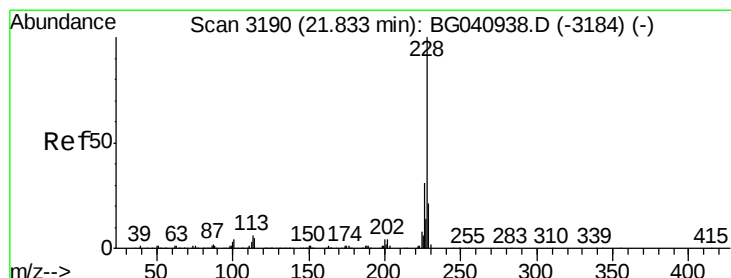
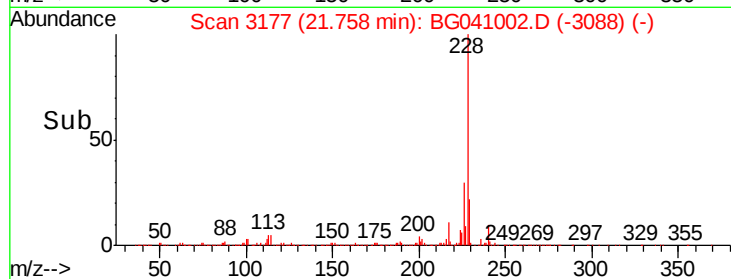
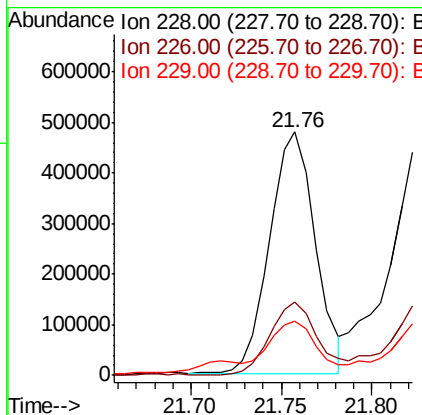
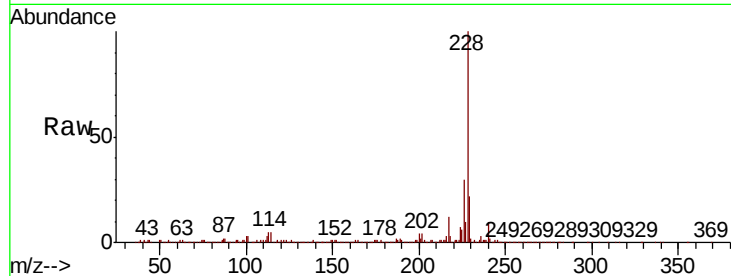
ClientSampleId :

FESB-18(2.5-3.0)

Tot Ion:	228	Resp:	841189
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.5	35.3
229	22.3	16.7	25.1

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#83

Chrysene

Concen: 30.104 ng

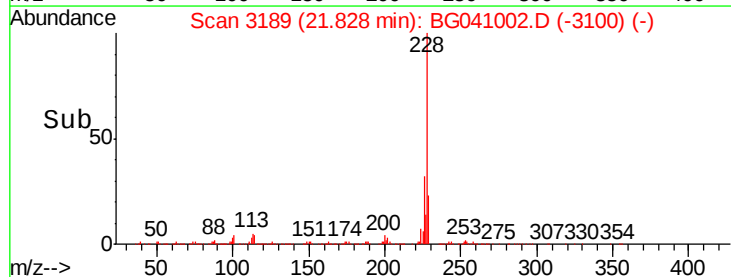
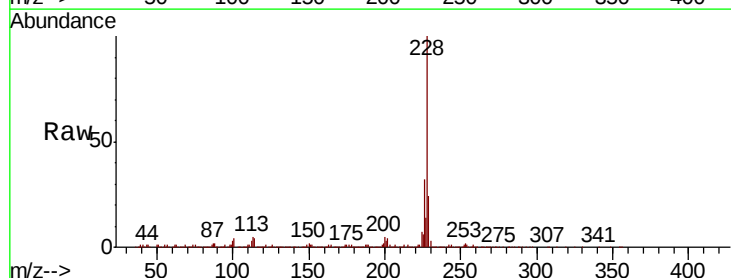
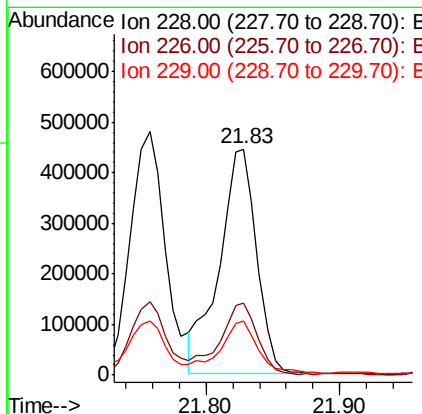
RT: 21.83 min Scan# 3189

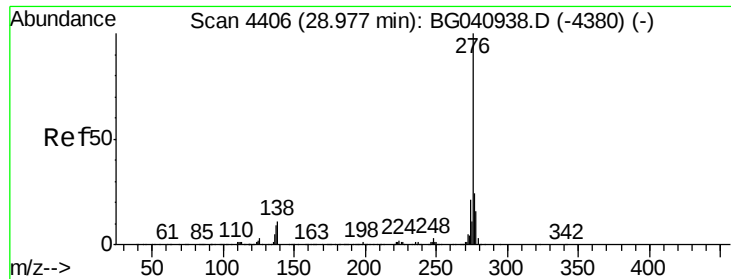
Delta R.T. -0.00 min

Lab File: BG041002.D

Acq: 1 Jun 2019 7:55

Tgt Ion:	228	Resp:	865501
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.6	37.0
229	24.3	16.6	24.8





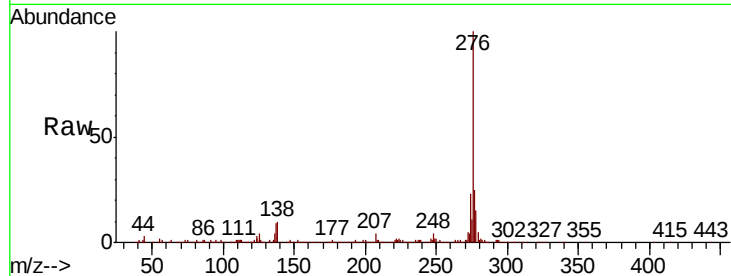
#86
Indeno(1,2,3-cd)pyrene
Concen: 15.644 ng
RT: 28.96 min Scan# 4402
Delta R.T. -0.02 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.5	5.7	8.5#
277	25.6	20.8	31.2

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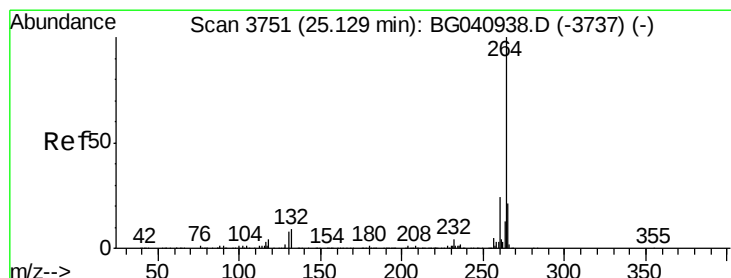
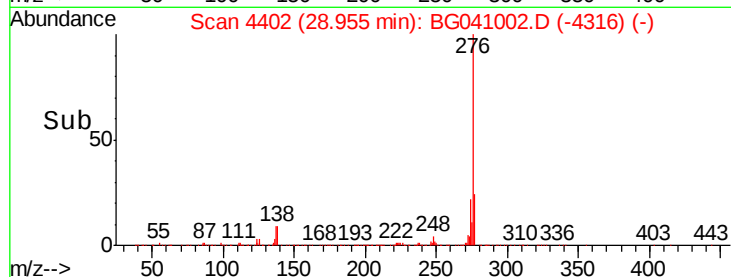
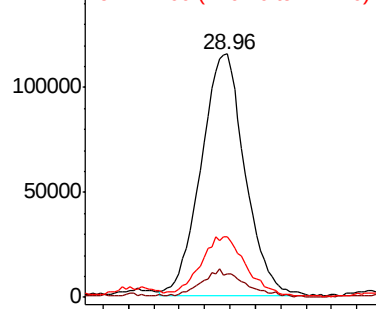


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 25.12 min Scan# 3749
Delta R.T. -0.01 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

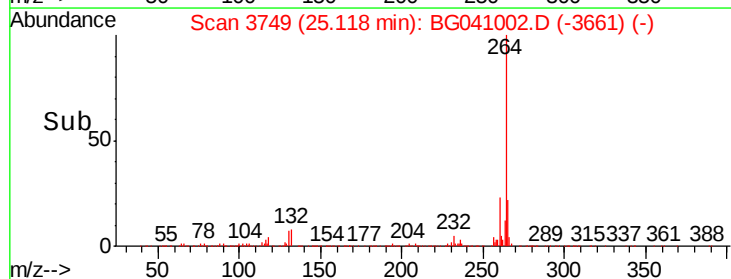
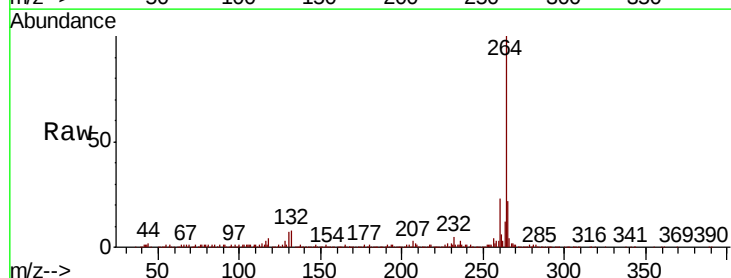
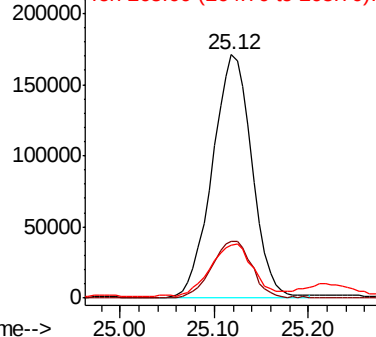
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	21.7	17.0	25.4

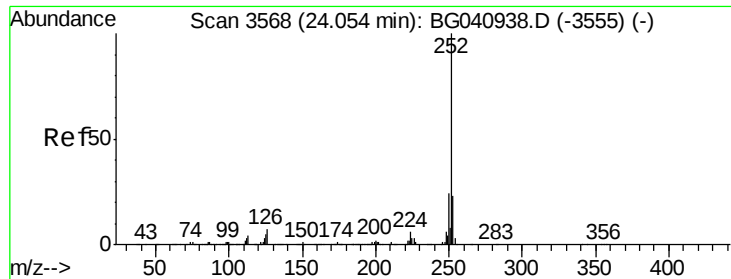
Abundance

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





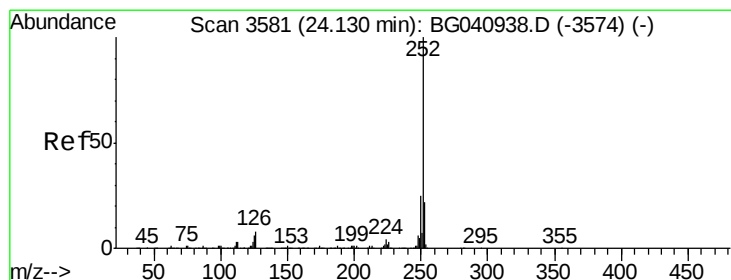
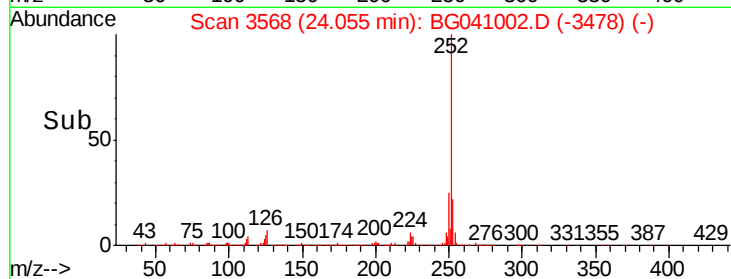
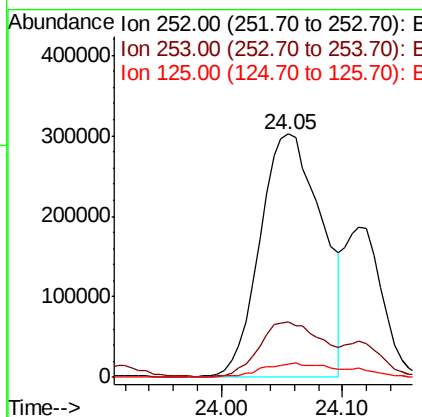
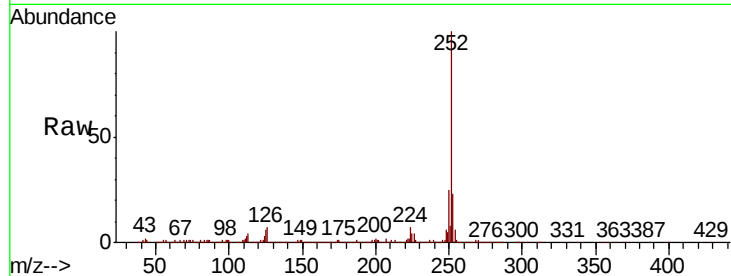
#88
Benzo(b)fluoranthene
Concen: 35.580 ng
RT: 24.05 min Scan# 3568
Delta R.T. 0.00 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	5.5	4.3	6.5

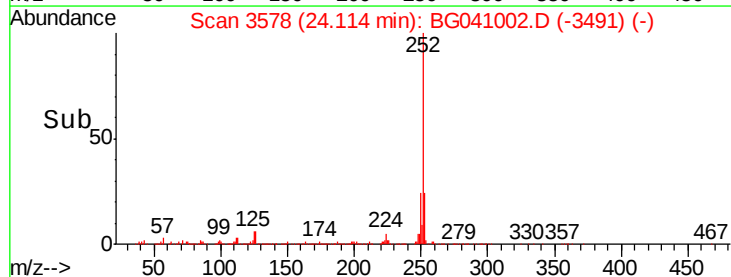
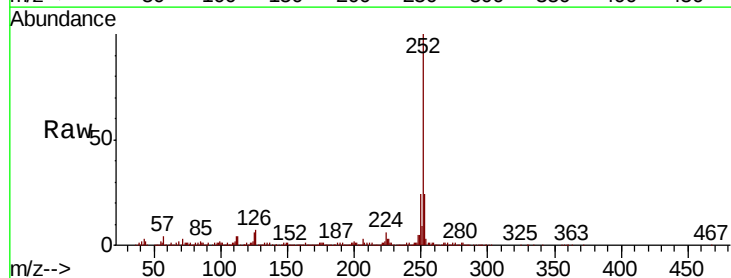
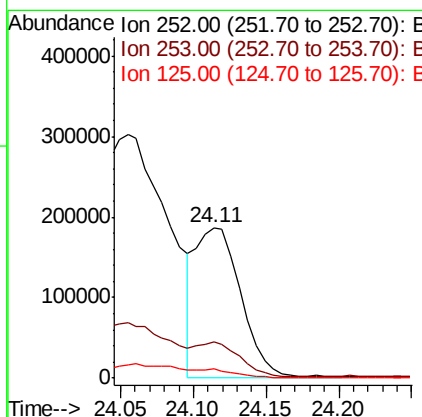
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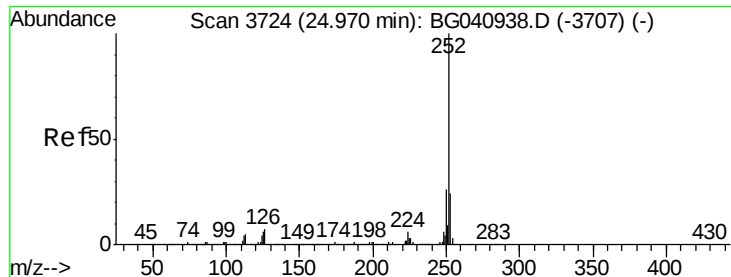
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#89
Benzo(k)fluoranthene
Concen: 13.558 ng m
RT: 24.11 min Scan# 3578
Delta R.T. -0.02 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	6.5	4.7	7.1





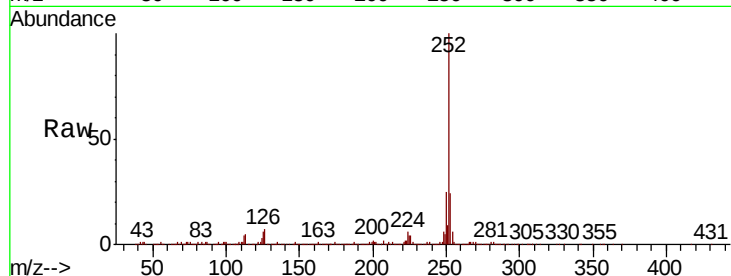
#90
Benzo(a)pyrene
Concen: 28.369 ng
RT: 24.96 min Scan# 3722
Delta R.T. -0.01 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.5	29.3
125	5.7	5.1	7.7

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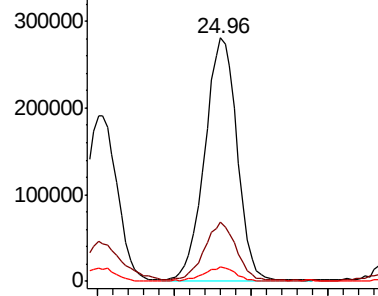


Abundance

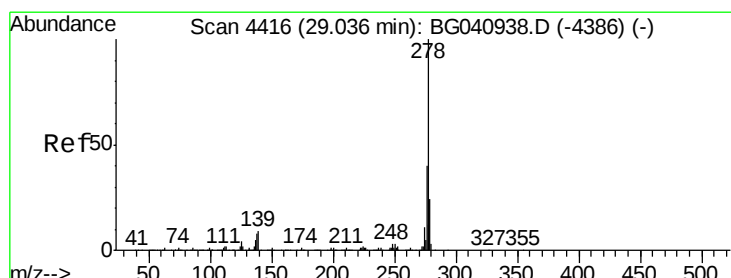
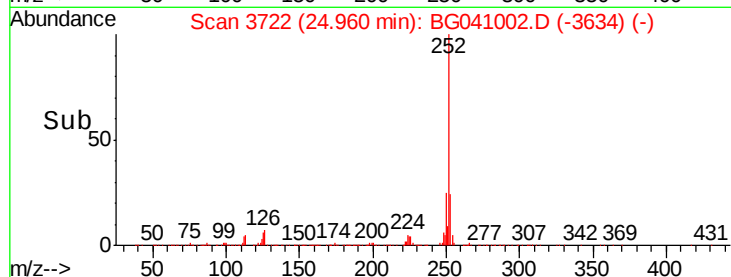
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#91
Dibenzo(a,h)anthracene
Concen: 5.170 ng m
RT: 29.01 min Scan# 4412
Delta R.T. -0.02 min
Lab File: BG041002.D
Acq: 1 Jun 2019 7:55

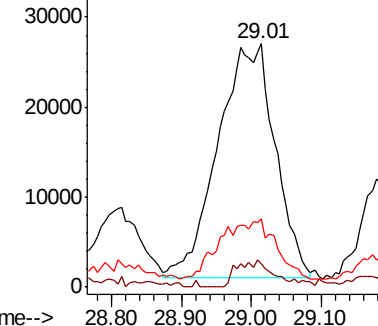
Tgt Ion	Ratio	Lower	Upper
278	100		
139	6.6	7.1	10.7#
279	28.2	19.4	29.2

Abundance

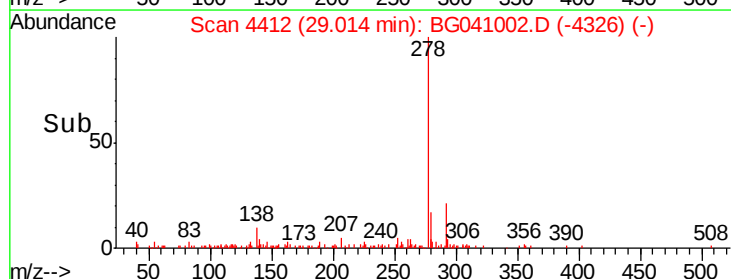
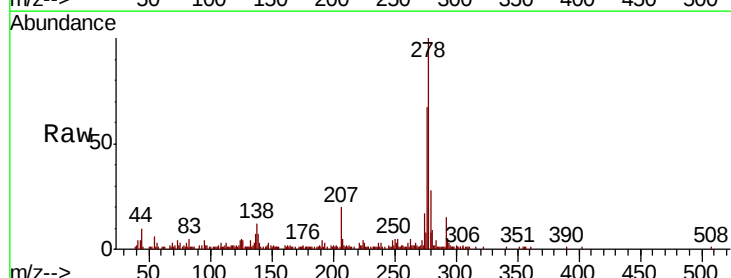
Ion 278.00 (277.70 to 278.70): E

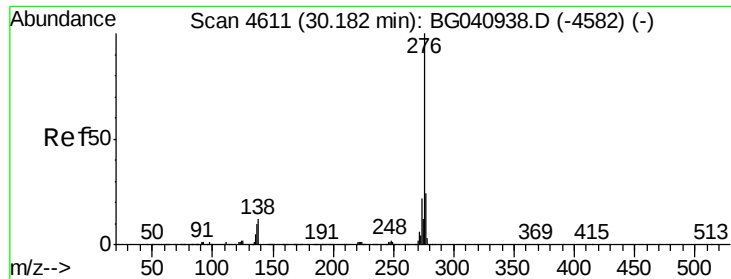
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#92
 Benzo(a,h,i)perylene
 Concen: 19.404 ng
 RT: 30.16 min Scan# 4607
 Delta R.T. -0.02 min
 Lab File: BG041002.D
 Acq: 1 Jun 2019 7:55

Instrument :
 BNA_G
 ClientSampleId :
 FESB-18(2.5-3.0)

Tot Ion:	276	Resp:	541094
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.4	29.0
138	10.5	9.7	14.5

Manual Integrations
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