

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052019\
 Data File : BE099677.D
 Acq On : 21 May 2019 1:20
 Operator : JU/SJ
 Sample : K2944-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-5(4.5-5)

Quant Time: May 21 06:43:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1657	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	5857	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4292	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	13090	0.40	ng	0.00
27) Chrysene-d12	21.41	240	21068	0.40	ng	0.00
34) Perylene-d12	23.95	264	24528	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1335	0.32	ng	0.00
5) Phenol-d6	6.98	99	1855	0.33	ng	0.00
8) Nitrobenzene-d5	8.98	82	1448	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2655	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	773	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3938	0.24	ng	0.00
25) Fluoranthene-d10	19.26	212	38625	0.22	ng	0.00
29) Terphenyl-d14	19.86	244	8983	0.24	ng	-0.01

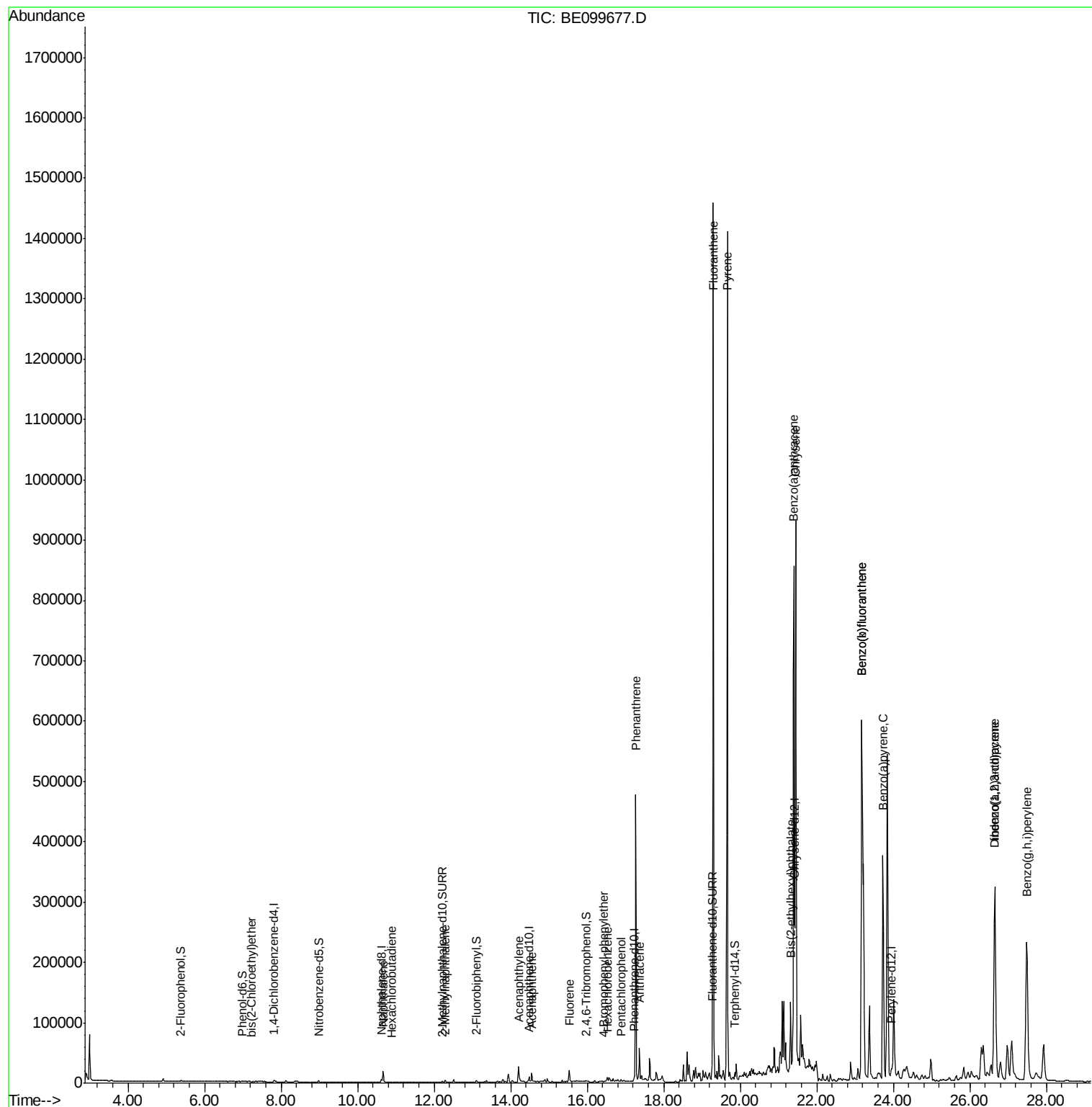
Target Compounds				Qvalue		
6) bis(2-Chloroethyl)ether	7.23	93	35	0.007	ng	# 1
9) Naphthalene	10.67	128	31679	0.506	ng	100
10) Hexachlorobutadiene	10.89	225	2	0.000	ng	# 1
12) 2-Methylnaphthalene	12.30	142	3028	0.297	ng	99
16) Acenaphthylene	14.21	152	42897	2.144	ng	99
17) Acenaphthene	14.54	154	7491	0.667	ng	98
18) Fluorene	15.53	166	19096	1.155	ng	93
20) 4-Bromophenyl-phenylether	16.44	248	10	0.001	ng	# 1
21) Hexachlorobenzene	16.53	284	49	0.006	ng	# 24
22) Pentachlorophenol	16.89	266	35	0.196	ng	83
23) Phenanthrene	17.27	178	468559	14.648	ng	100
24) Anthracene	17.36	178	56697	1.954	ng	# 95
26) Fluoranthene	19.29	202	1386244	27.413	ng	99
28) Pyrene	19.66	202	1343964	25.390	ng	# 95
30) Benzo(a)anthracene	21.40	228	905645	15.128	ng	95
31) Chrysene	21.45	228	835768	13.058	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	122930	1.782	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	634444	8.210	ng	97
35) Benzo(b)fluoranthene	23.18	252	1250611	18.607	ng	99
36) Benzo(k)fluoranthene	23.18	252	1250611	17.850	ng	99
37) Benzo(a)pyrene	23.73	252	608117	9.402	ng	98
38) Dibenzo(a,h)anthracene	26.66	278	159671	2.351	ng	95
39) Benzo(g,h,i)perylene	27.49	276	616384	8.987	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

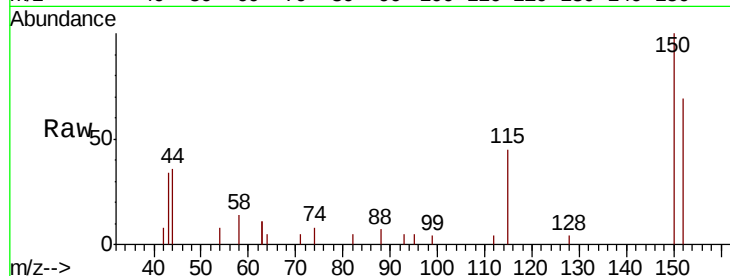
Tgt Ion:152 Resp: 1657

Ion Ratio Lower Upper

152 100

150 145.7 109.2 163.8

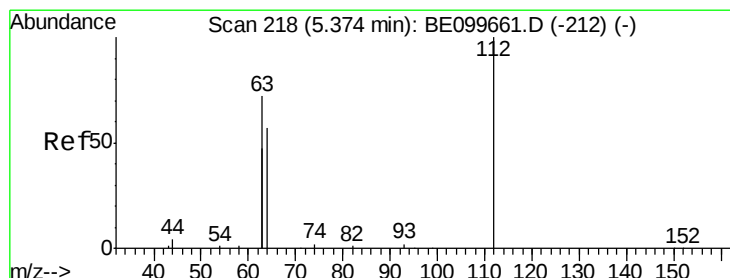
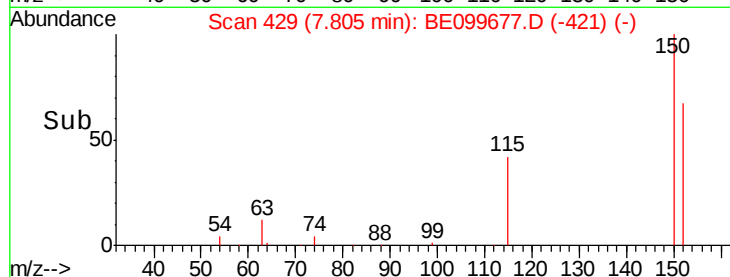
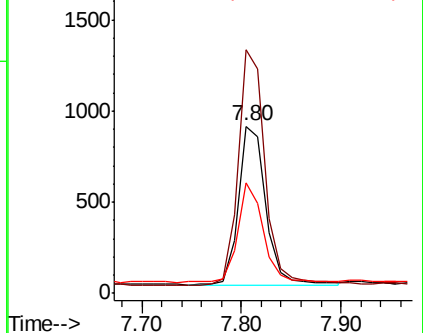
115 66.2 43.7 65.5#



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



#4

2-Fluorophenol

Concen: 0.319 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

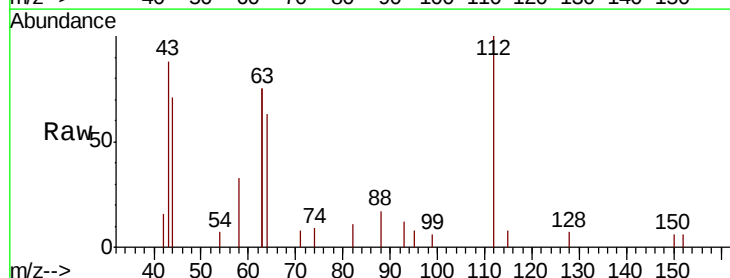
Tgt Ion:112 Resp: 1335

Ion Ratio Lower Upper

112 100

64 52.5 43.4 65.2

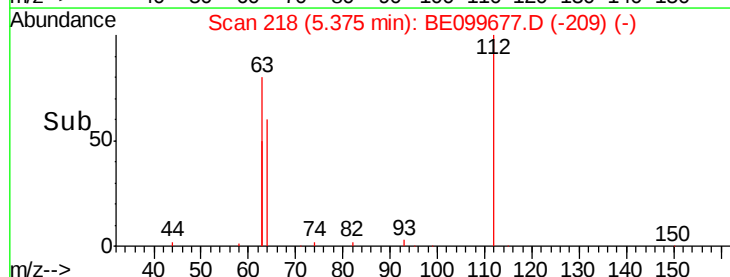
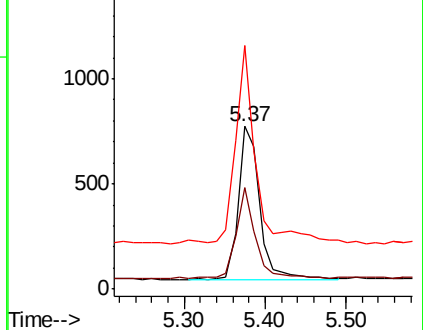
63 125.2 96.9 145.3

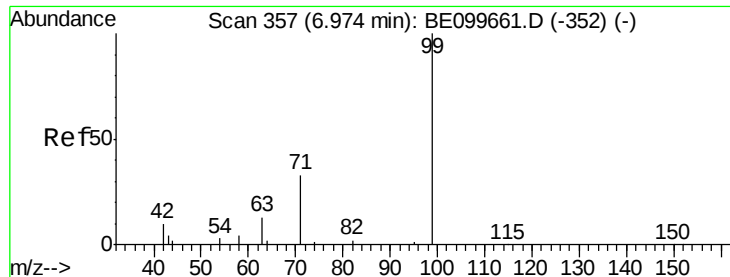


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.335 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

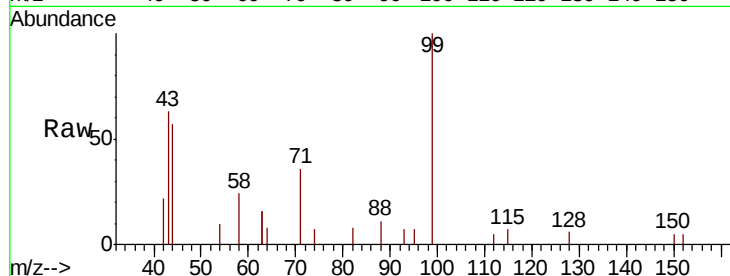
Tgt Ion: 99 Resp: 1855

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

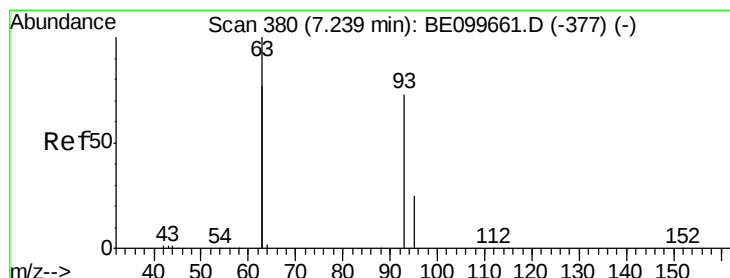
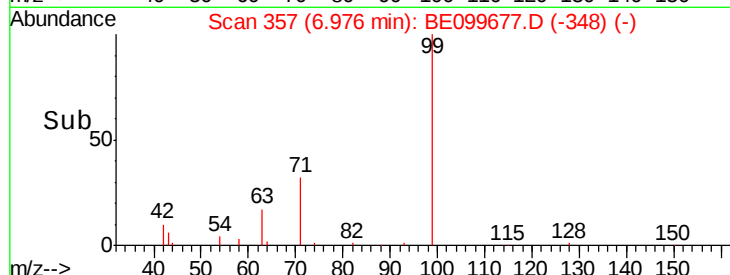
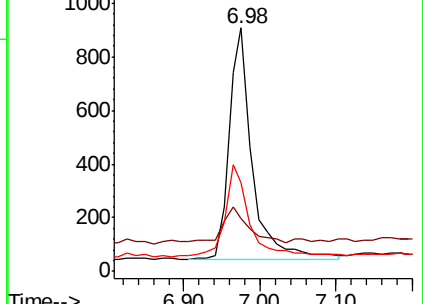
71 41.1 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.007 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

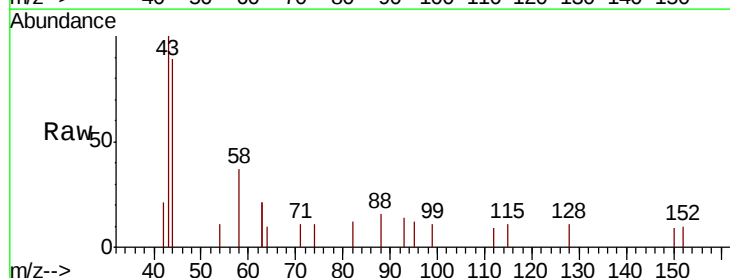
Tgt Ion: 93 Resp: 35

Ion Ratio Lower Upper

93 100

63 0.0 207.8 311.6#

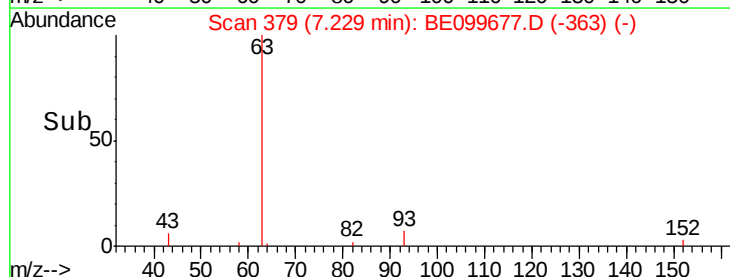
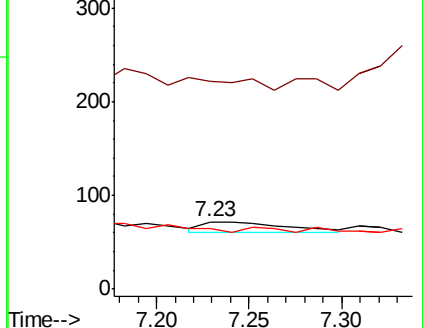
95 0.0 25.9 38.9#

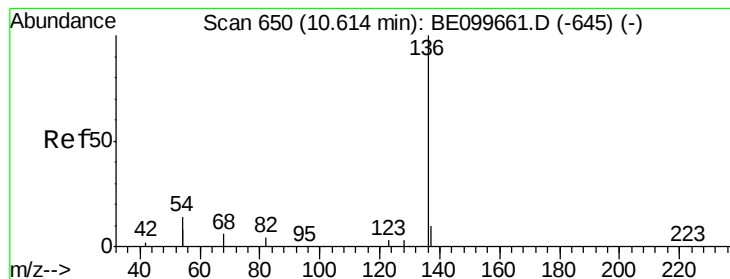


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

Tgt Ion: 136 Resp: 5857

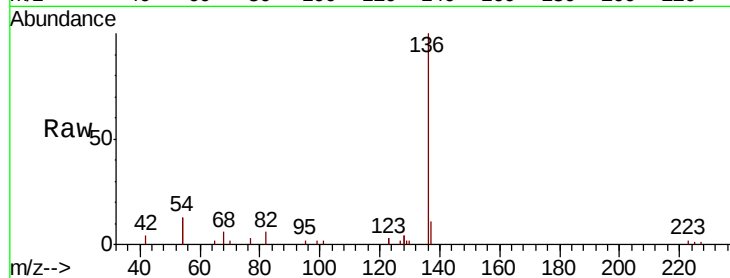
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 25.3 22.3 33.5

68 6.4 6.0 9.0

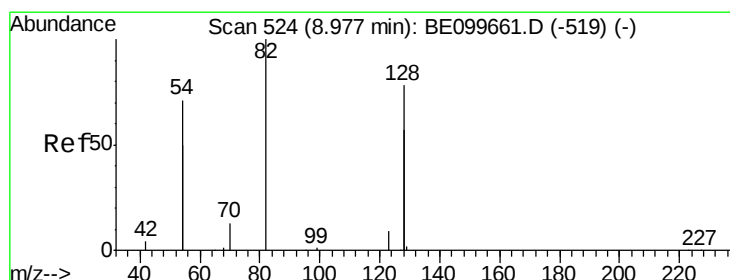
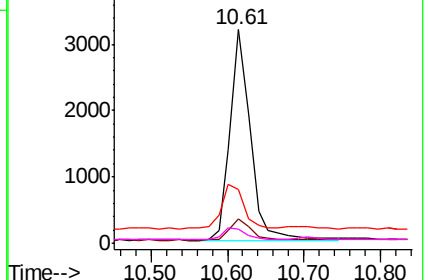
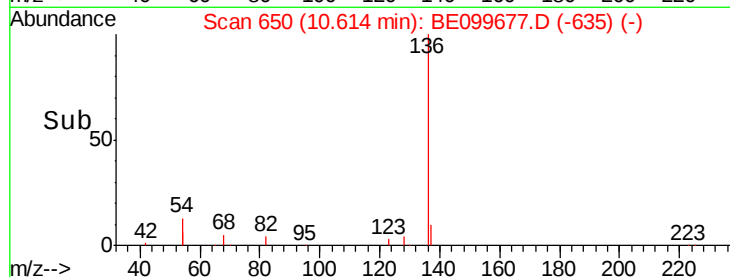


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.286 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

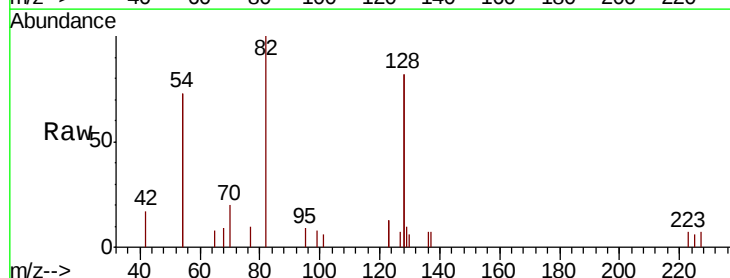
Tgt Ion: 82 Resp: 1448

Ion Ratio Lower Upper

82 100

128 163.6 117.7 176.5

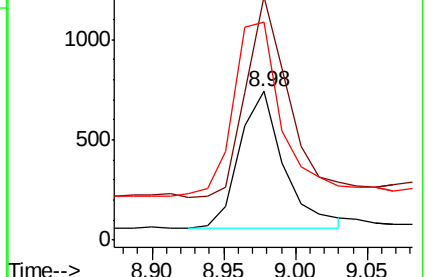
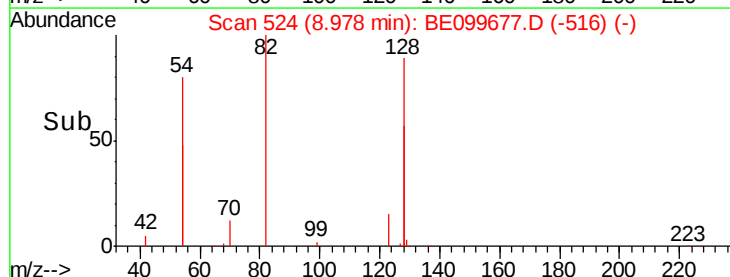
54 146.6 106.6 160.0

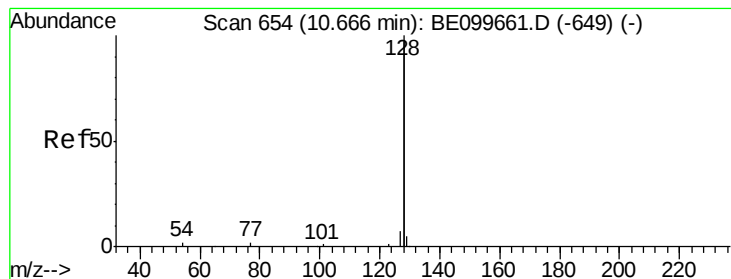


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.506 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

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ClientSampleId :

FESB-5(4.5-5)

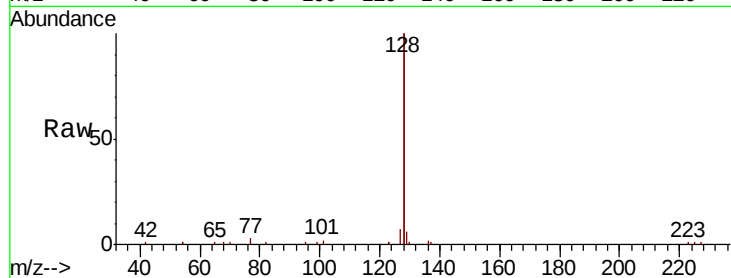
Tgt Ion:128 Resp: 31679

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

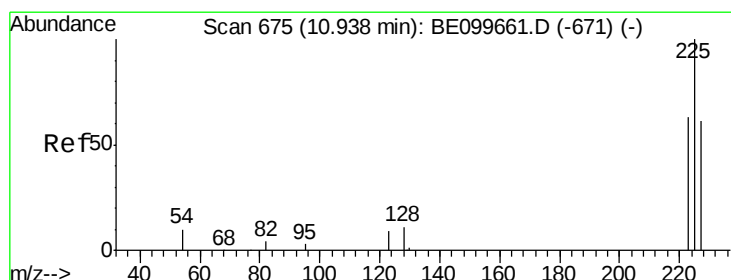
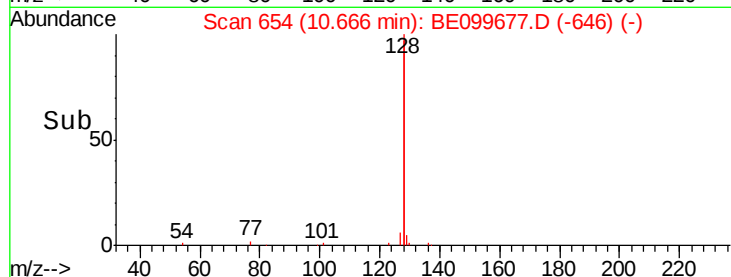
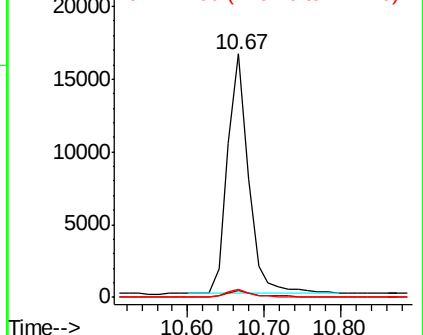
127 3.5 2.9 4.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.000 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.05 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

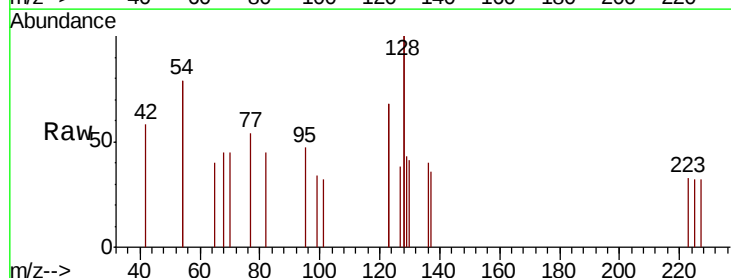
Tgt Ion:225 Resp: 2

Ion Ratio Lower Upper

225 100

223 0.0 51.8 77.6#

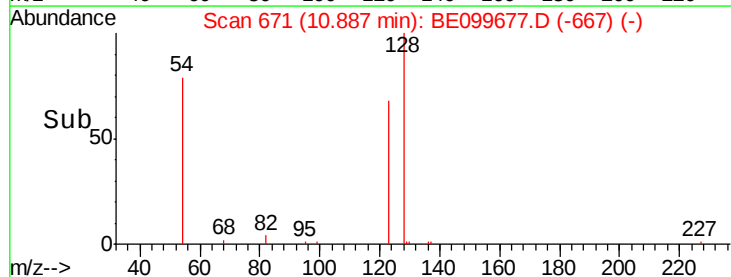
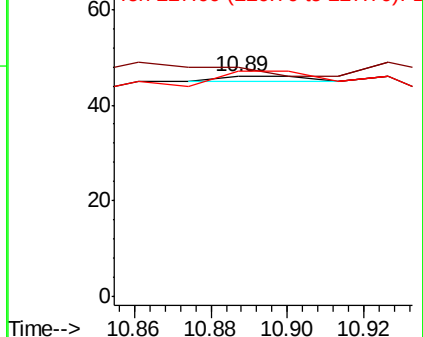
227 400.0 52.6 79.0#

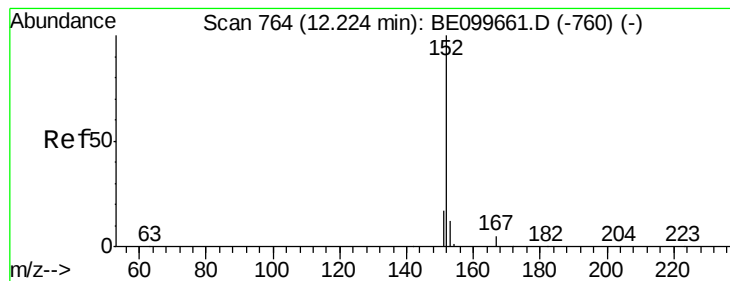


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.263 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

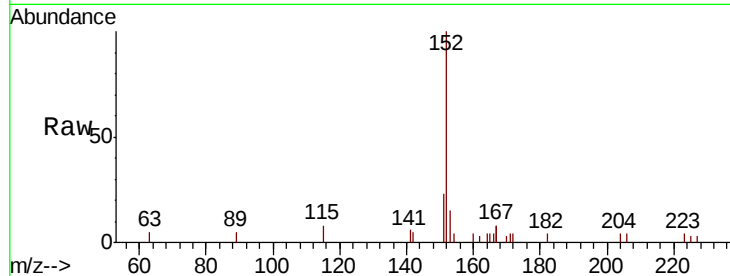
FESB-5(4.5-5)

Tgt Ion:152 Resp: 2655

Ion Ratio Lower Upper

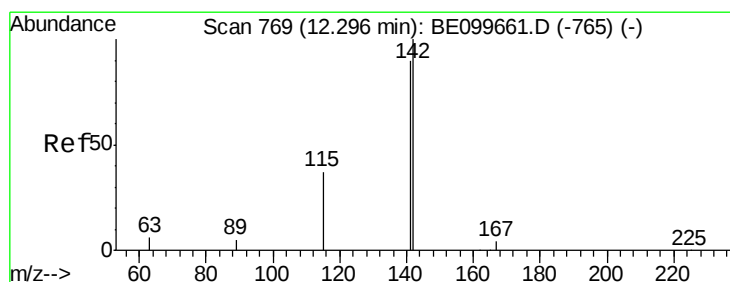
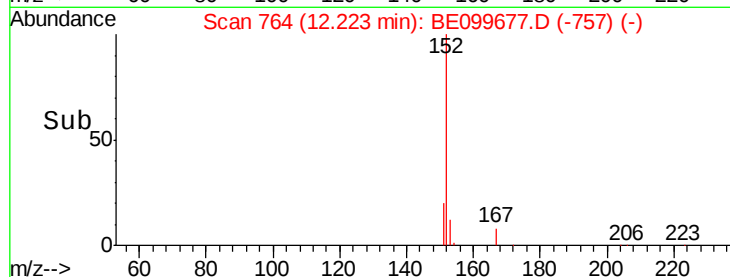
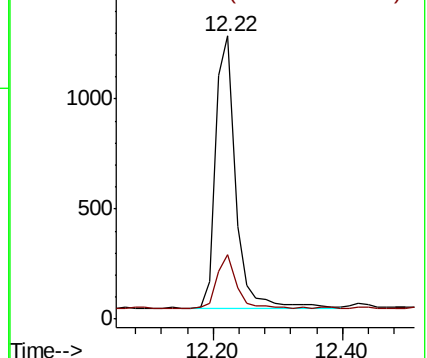
152 100

151 19.8 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.297 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

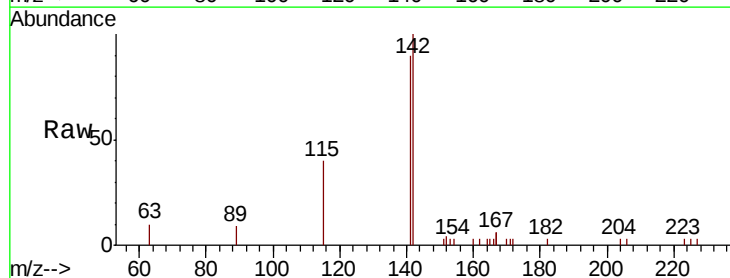
Tgt Ion:142 Resp: 3028

Ion Ratio Lower Upper

142 100

141 90.3 72.0 108.0

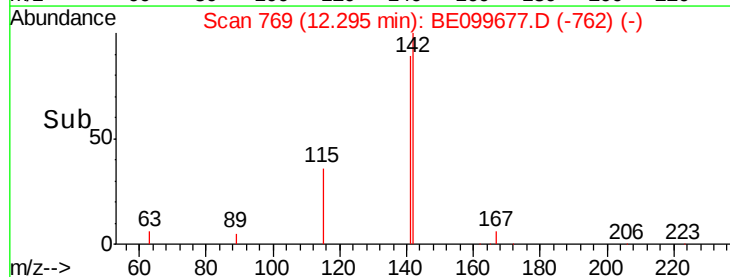
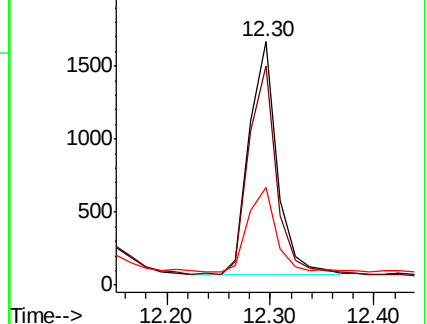
115 40.2 31.0 46.4

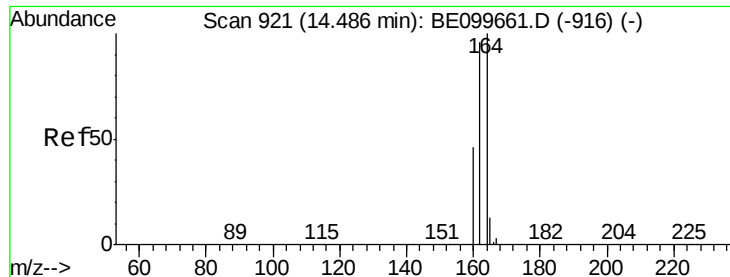


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

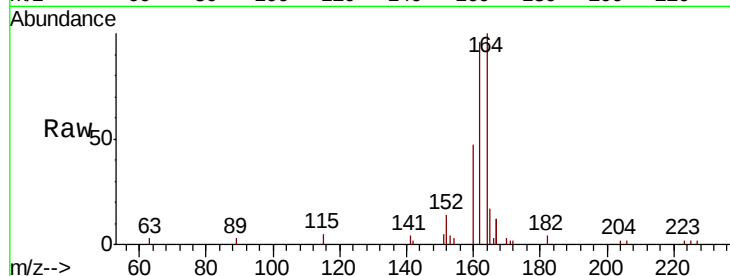




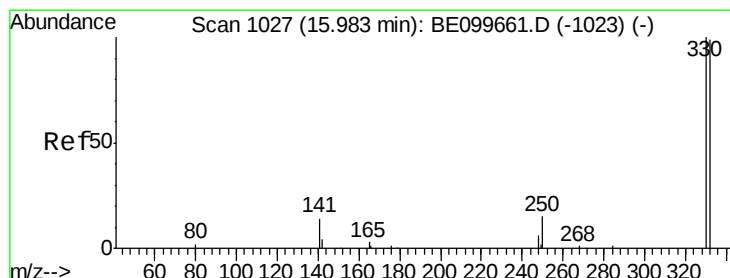
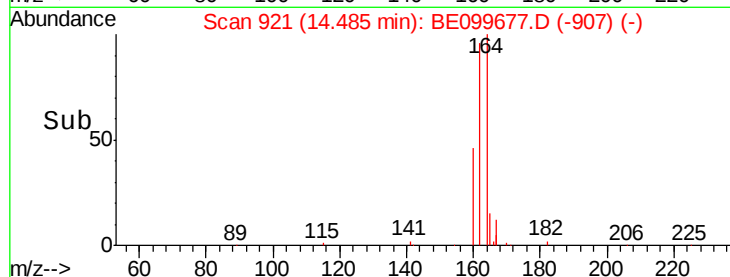
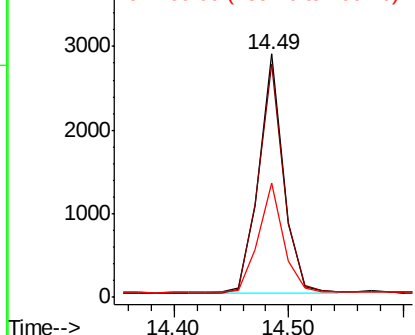
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099677.D
Acq: 21 May 2019 1:20

Instrument :
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FESB-5(4.5-5)

Tgt Ion:164 Resp: 4292
Ion Ratio Lower Upper
164 100
162 95.6 76.5 114.7
160 46.9 37.4 56.2

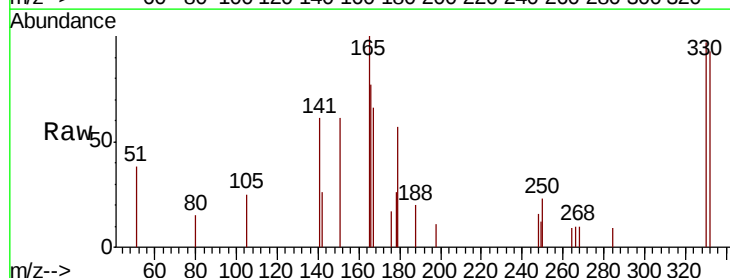


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

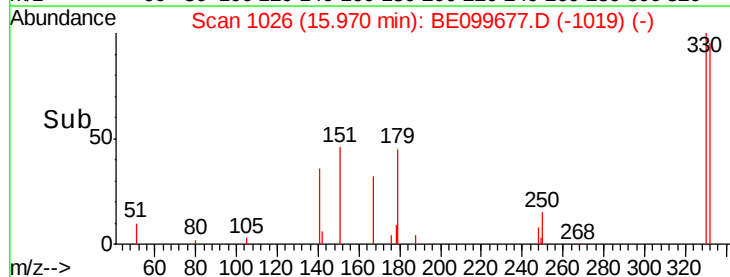
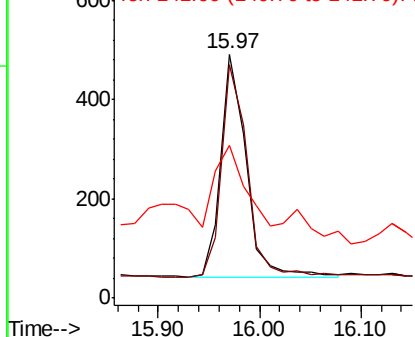


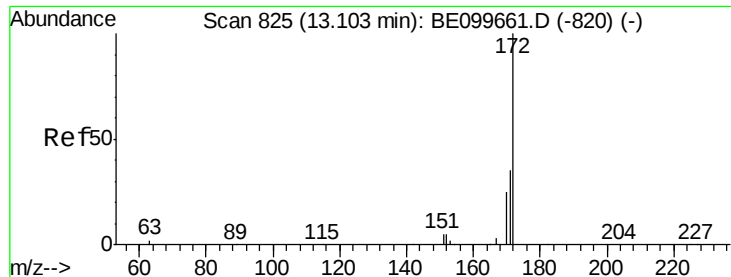
#14
2,4,6-Tribromophenol
Concen: 0.369 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099677.D
Acq: 21 May 2019 1:20

Tgt Ion:330 Resp: 773
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 42.9 18.9 28.3#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

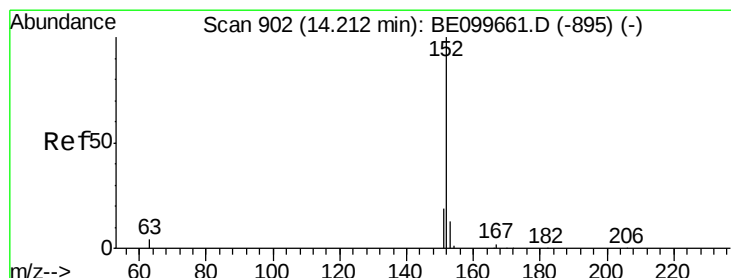
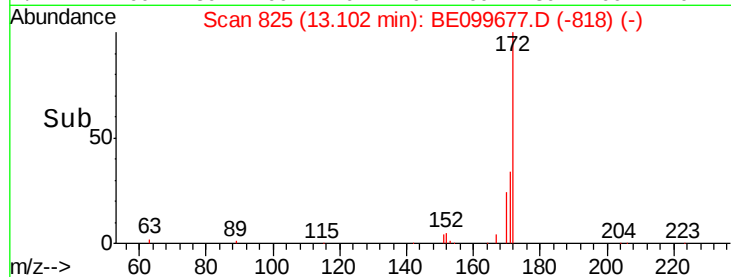
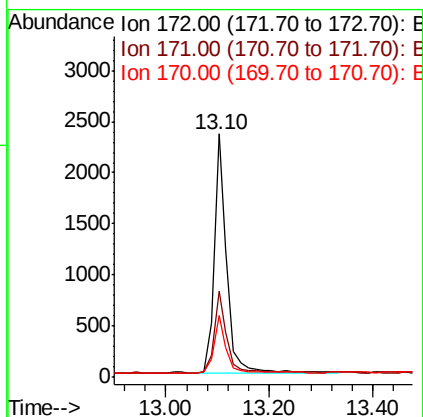
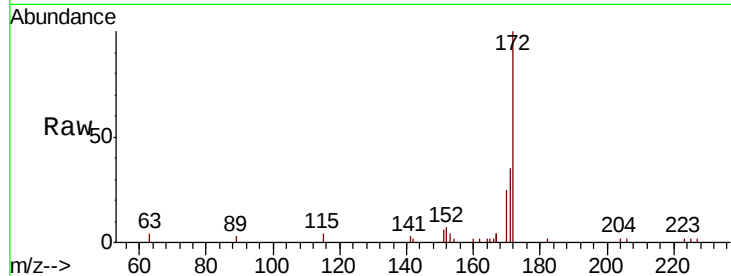




#15
2-Fluorobiphenyl
Concen: 0.242 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099677.D
Acq: 21 May 2019 1:20

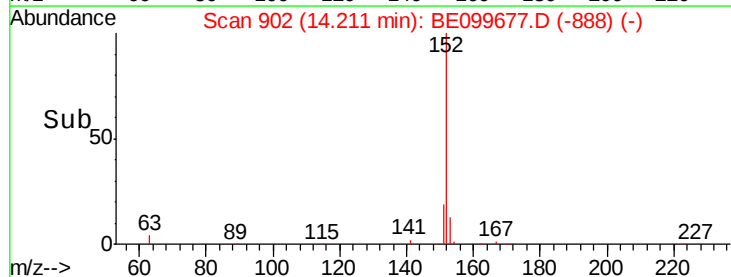
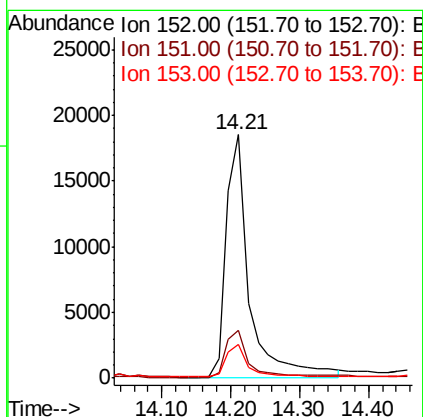
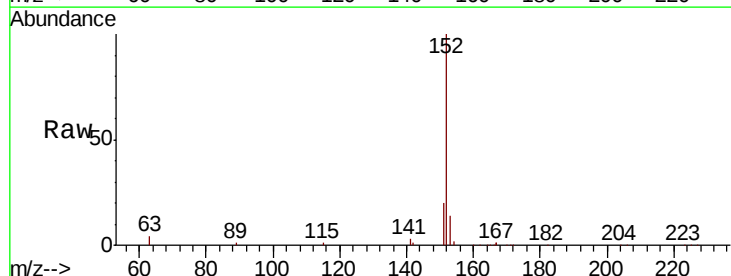
Instrument :
BNA_E
ClientSampleId :
FESB-5(4.5-5)

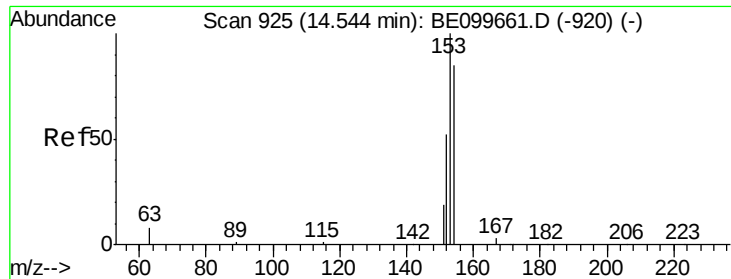
Tgt Ion:172 Resp: 3938
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 25.4 20.9 31.3



#16
Acenaphthylene
Concen: 2.144 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099677.D
Acq: 21 May 2019 1:20

Tgt Ion:152 Resp: 42897
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.2 10.6 16.0

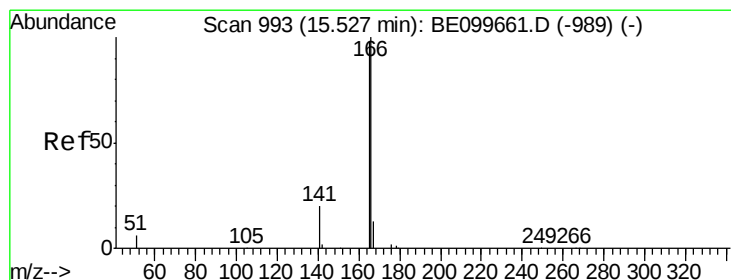
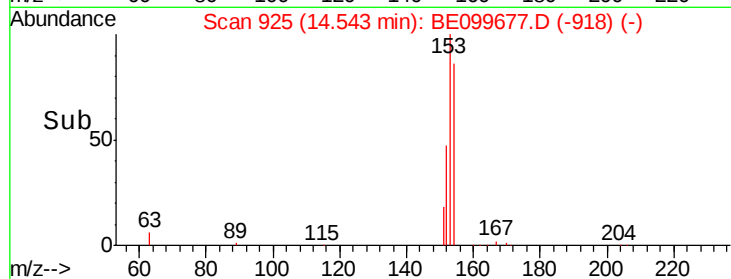
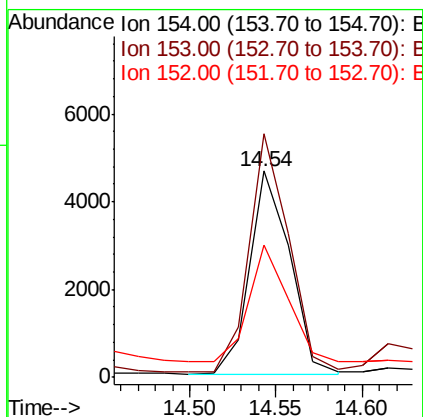
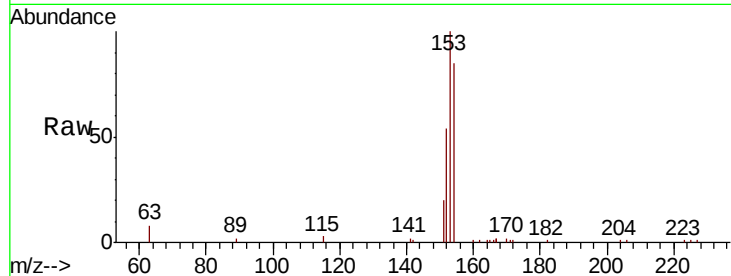




#17
Acenaphthene
Concen: 0.667 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099677.D
Acq: 21 May 2019 1:20

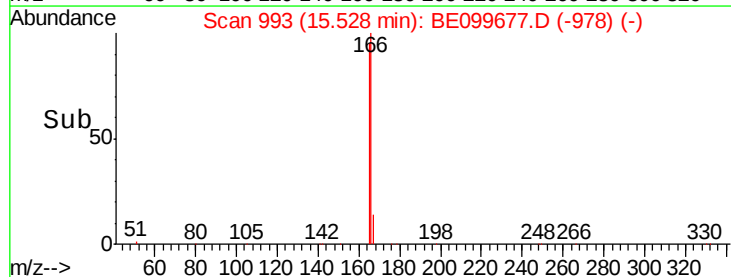
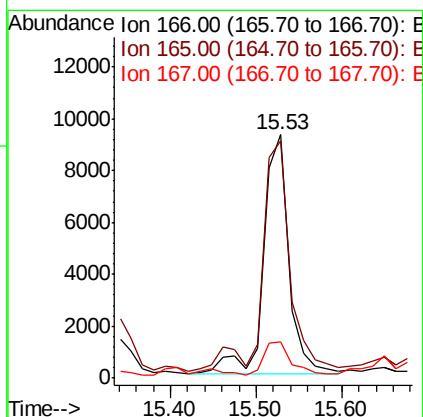
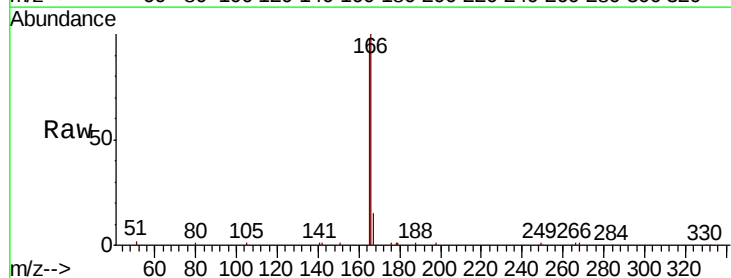
Instrument :
BNA_E
ClientSampleId :
FESB-5(4.5-5)

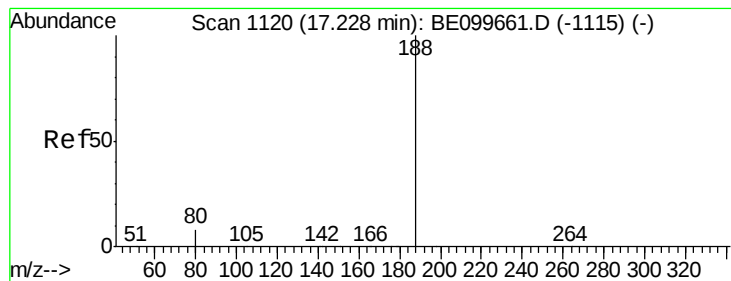
Tgt Ion:154 Resp: 7491
Ion Ratio Lower Upper
154 100
153 116.3 91.8 137.6
152 55.6 46.0 69.0



#18
Fluorene
Concen: 1.155 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099677.D
Acq: 21 May 2019 1:20

Tgt Ion:166 Resp: 19096
Ion Ratio Lower Upper
166 100
165 92.9 80.3 120.5
167 14.7 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

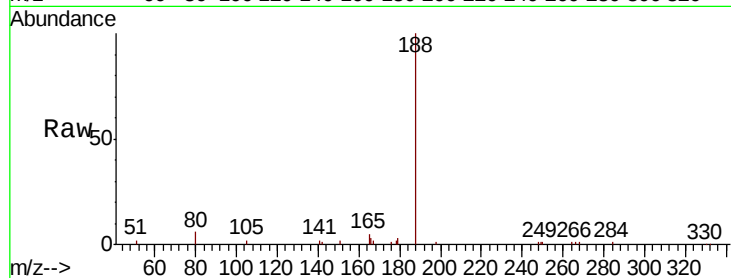
Tgt Ion:188 Resp: 13090

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

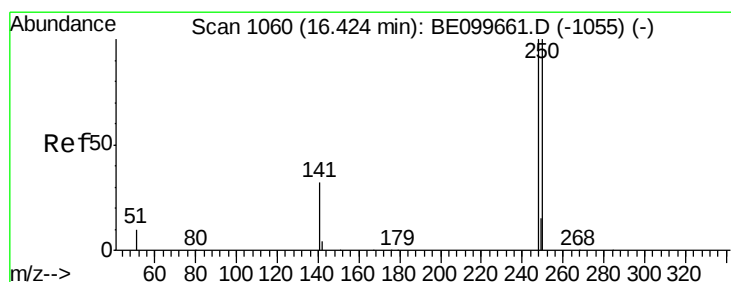
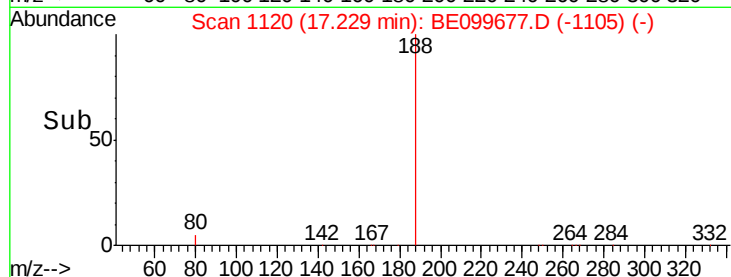
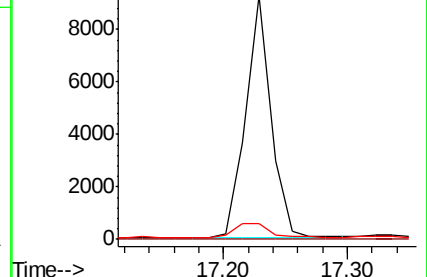
80 6.3 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.001 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

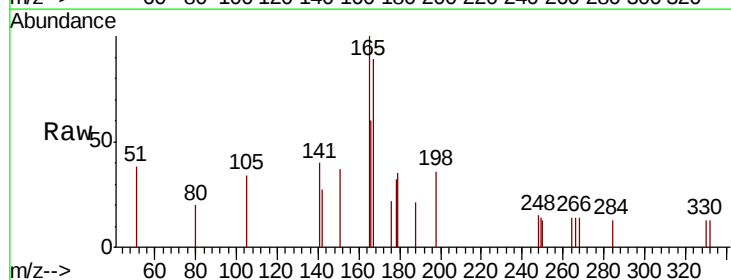
Tgt Ion:248 Resp: 10

Ion Ratio Lower Upper

248 100

250 88.5 79.8 119.8

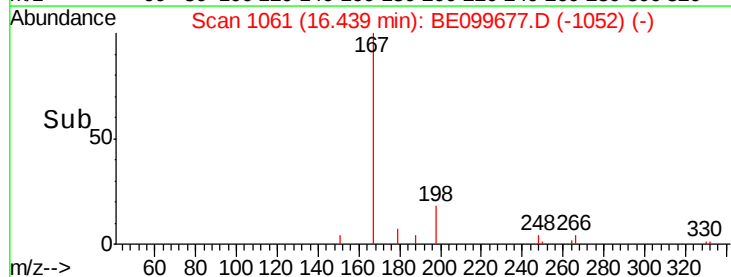
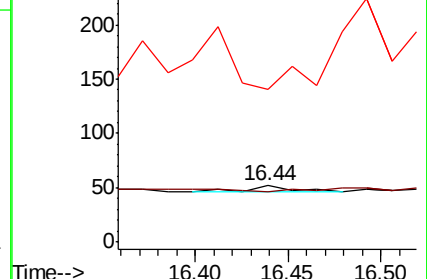
141 269.2 27.0 40.6#

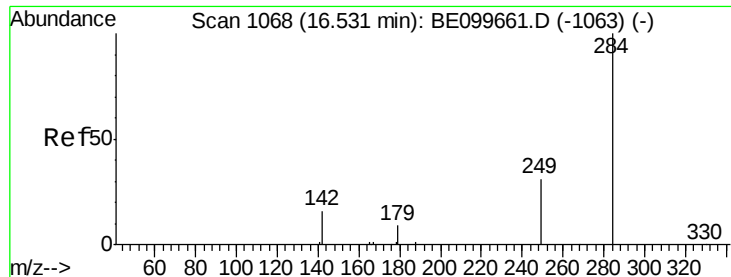


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.006 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

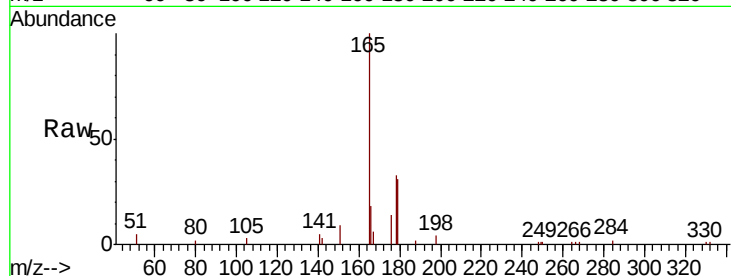
Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

Tgt Ion:	284	Resp:	49
Ion Ratio	Lower	Upper	
284	100		
142	104.1	17.8	26.6#
249	26.5	24.8	37.2

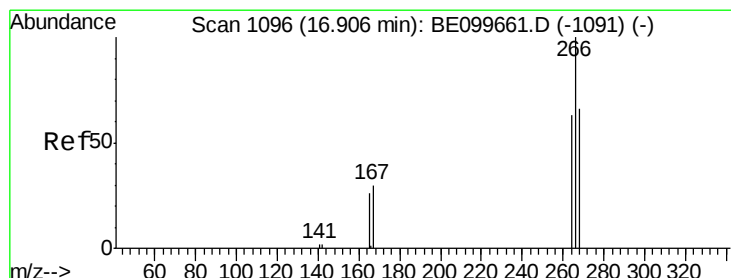
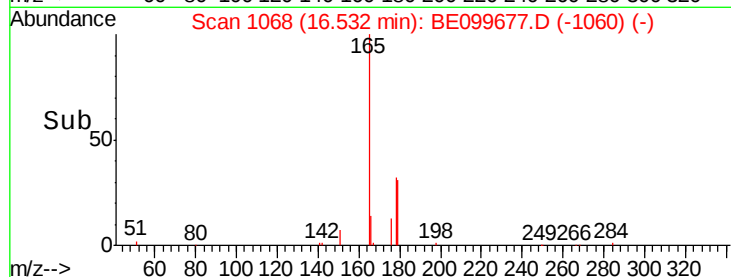
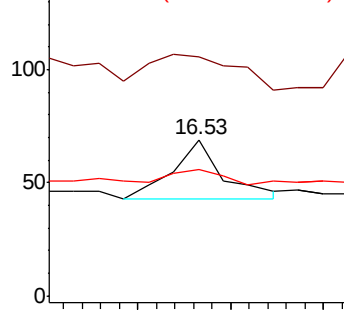


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.196 ng

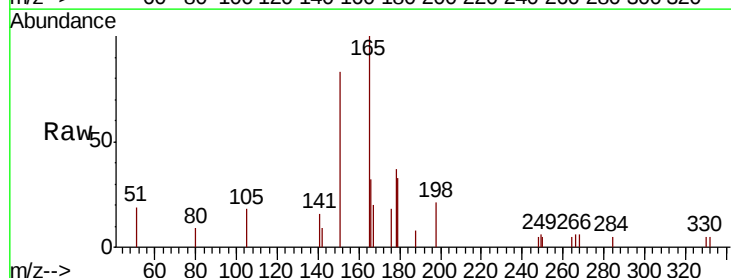
RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Tgt Ion:	266	Resp:	35
Ion Ratio	Lower	Upper	
266	100		
264	85.2	57.2	85.8
268	90.2	60.5	90.7

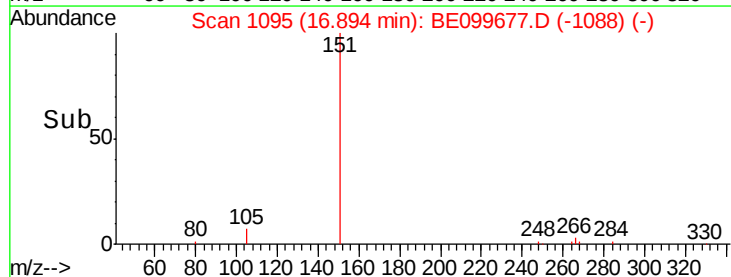
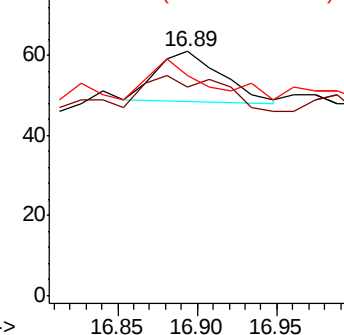


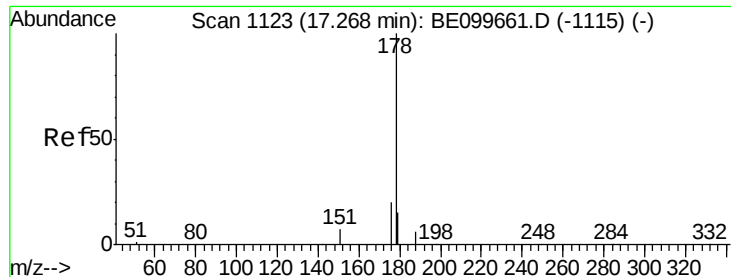
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 14.648 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

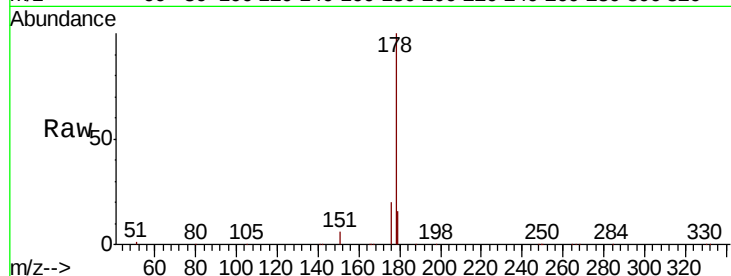
Tgt Ion:178 Resp: 468559

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

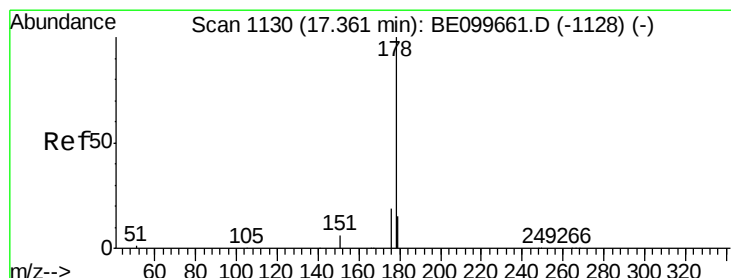
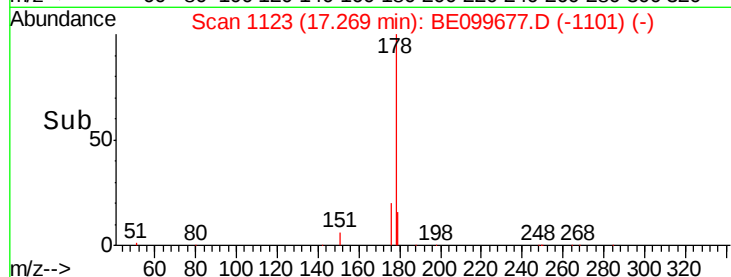
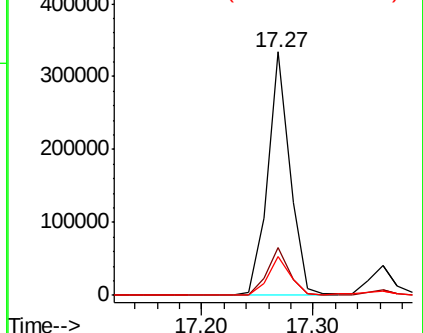
179 15.7 12.2 18.4



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



#24

Anthracene

Concen: 1.954 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

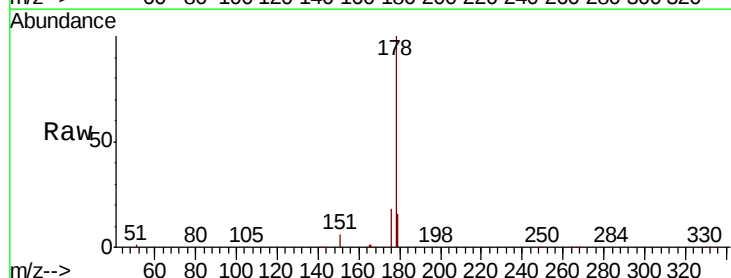
Tgt Ion:178 Resp: 56697

Ion Ratio Lower Upper

178 100

176 19.4 14.7 22.1

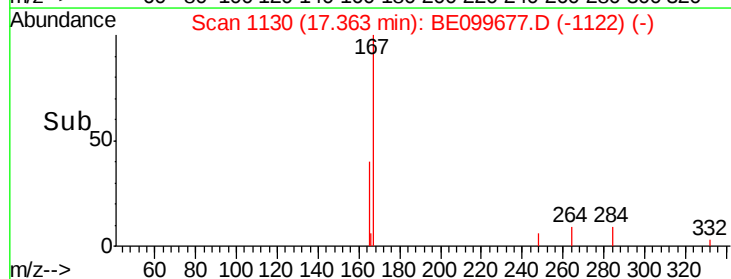
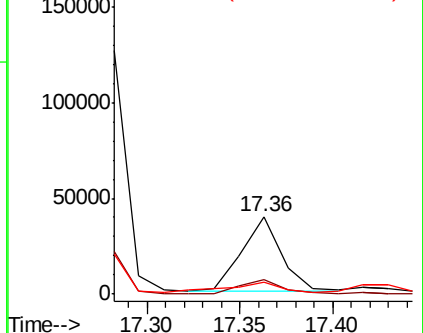
179 18.4 12.0 18.0#

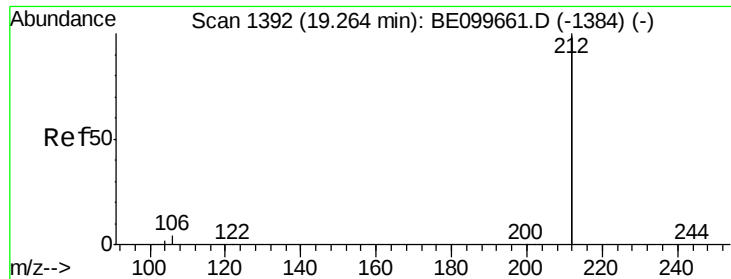


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.216 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

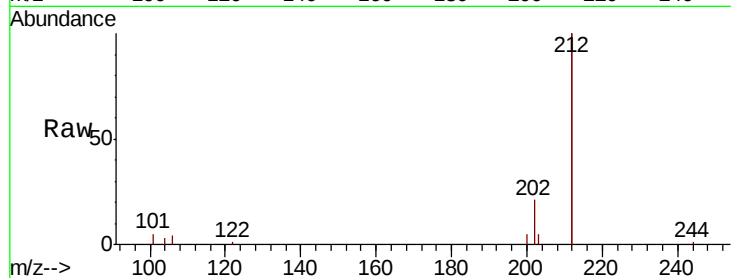
Tgt Ion:212 Resp: 38625

Ion Ratio Lower Upper

212 100

106 2.0 1.4 2.2

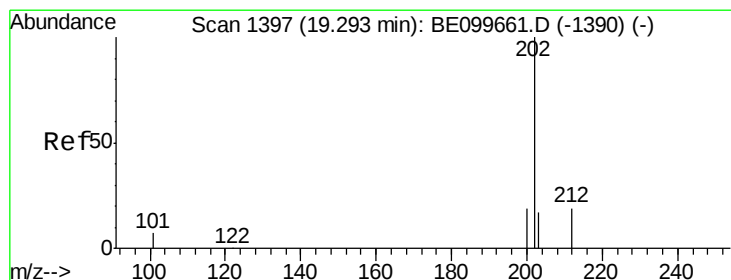
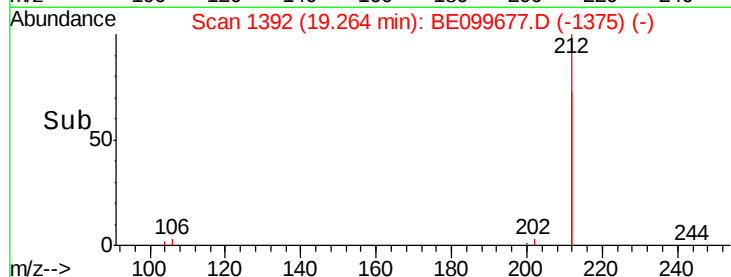
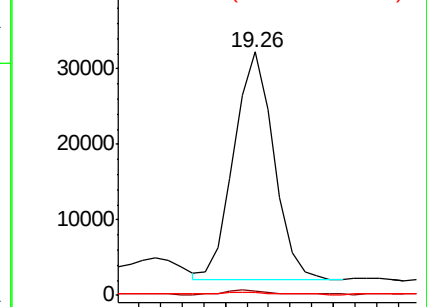
104 1.4 0.8 1.2#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 27.413 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

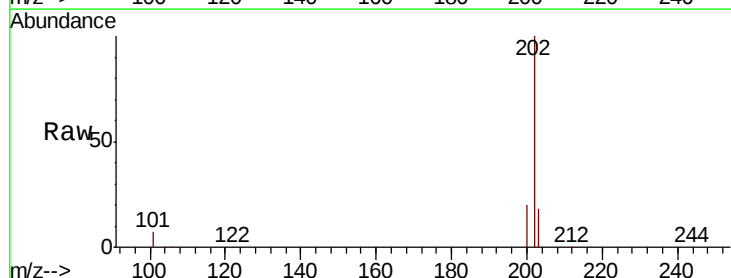
Tgt Ion:202 Resp: 1386244

Ion Ratio Lower Upper

202 100

101 6.4 5.2 7.8

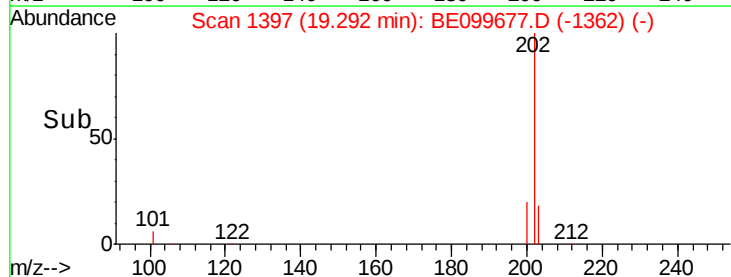
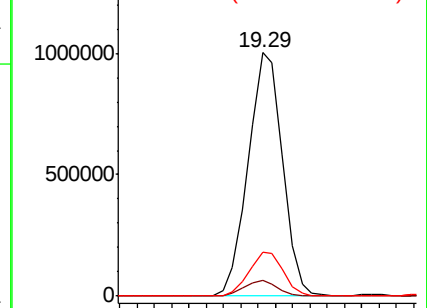
203 18.0 13.8 20.6

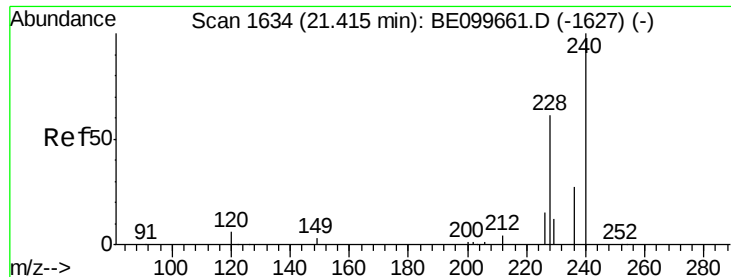


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

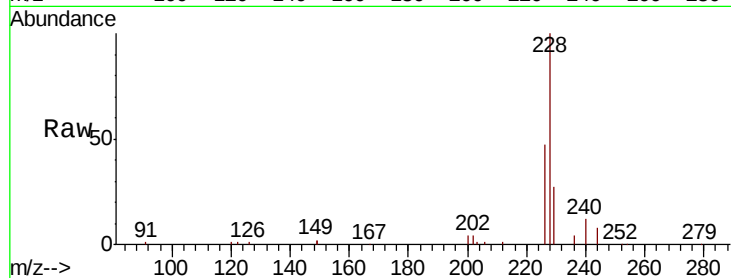
Tgt Ion:240 Resp: 21068

Ion Ratio Lower Upper

240 100

120 5.5 5.4 8.0

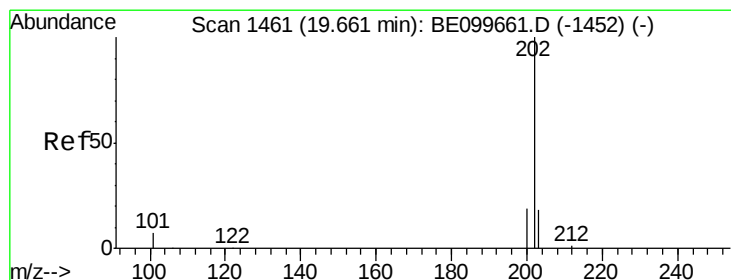
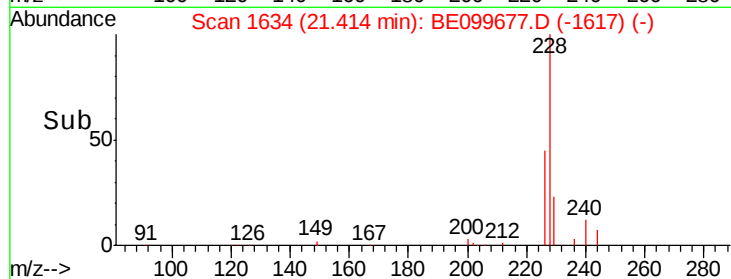
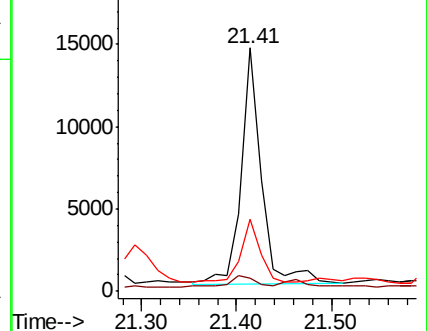
236 29.6 21.7 32.5



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



#28

Pyrene

Concen: 25.390 ng

RT: 19.66 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

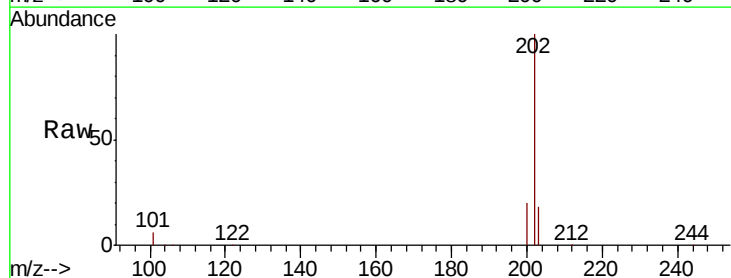
Tgt Ion:202 Resp: 1343964

Ion Ratio Lower Upper

202 100

200 20.2 15.4 23.2

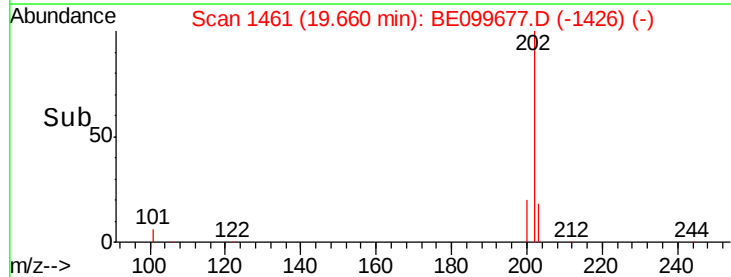
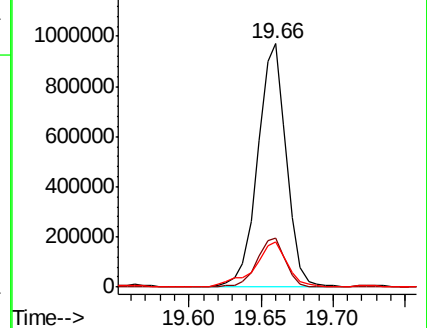
203 21.2 13.8 20.8#

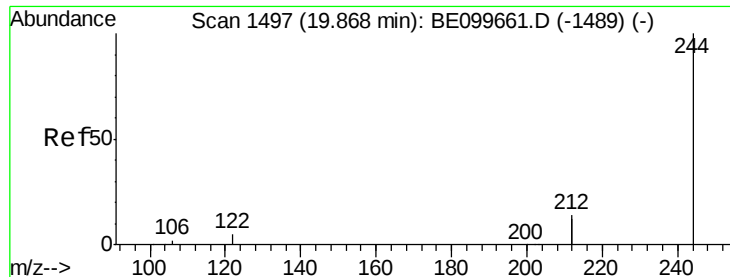


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.239 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

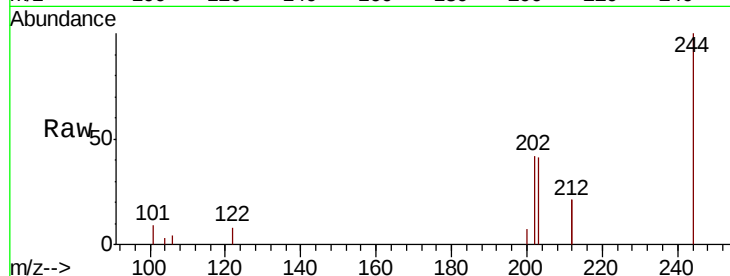
Tgt Ion:244 Resp: 8983

Ion Ratio Lower Upper

244 100

212 41.6 22.5 33.7#

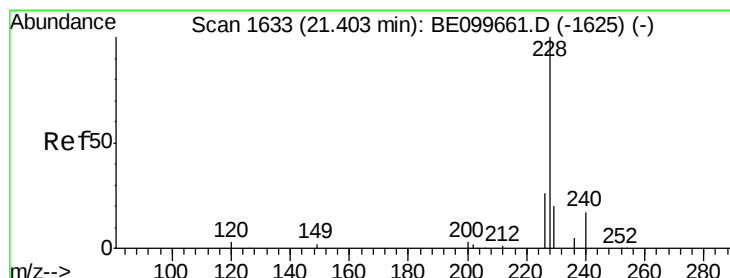
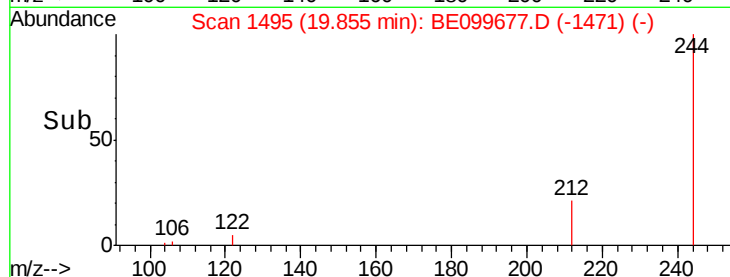
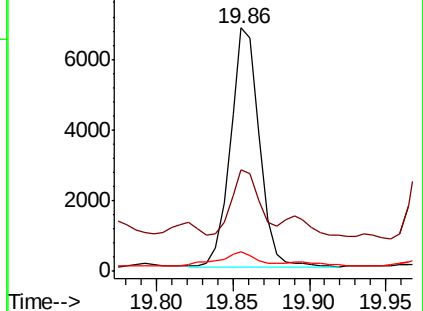
122 7.8 4.3 6.5#



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



#30

Benzo(a)anthracene

Concen: 15.128 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

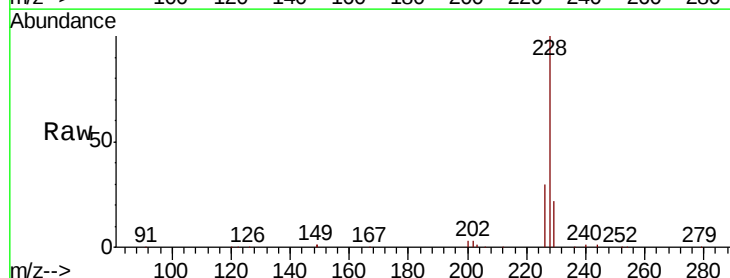
Tgt Ion:228 Resp: 905645

Ion Ratio Lower Upper

228 100

226 29.6 21.3 31.9

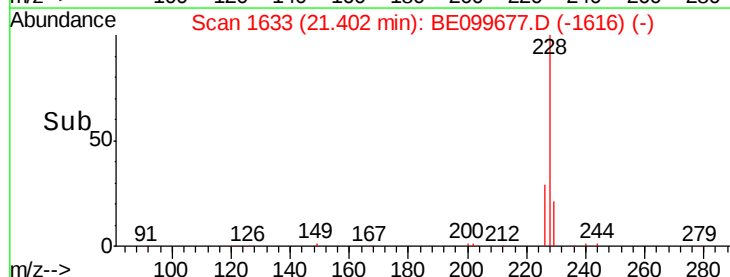
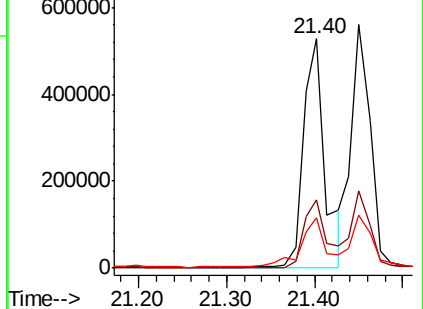
229 21.9 16.1 24.1

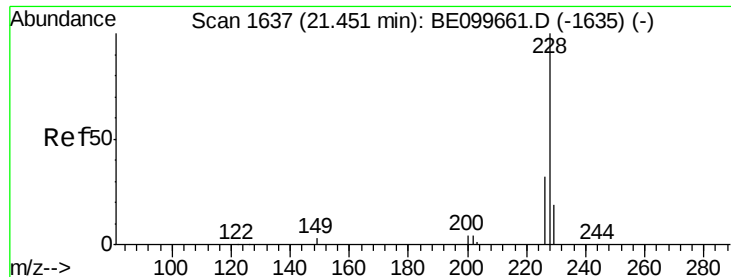


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 13.058 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

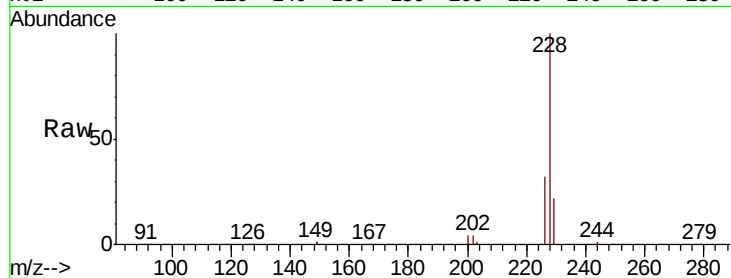
Tgt Ion:228 Resp: 835768

Ion Ratio Lower Upper

228 100

226 31.8 24.7 37.1

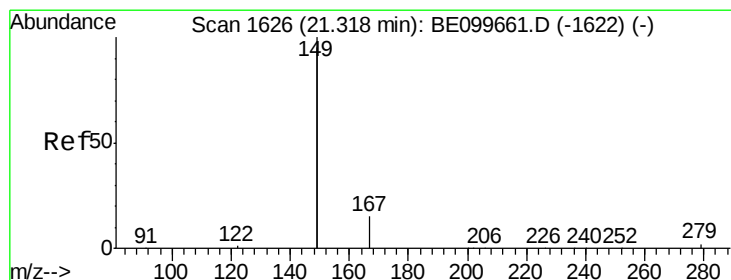
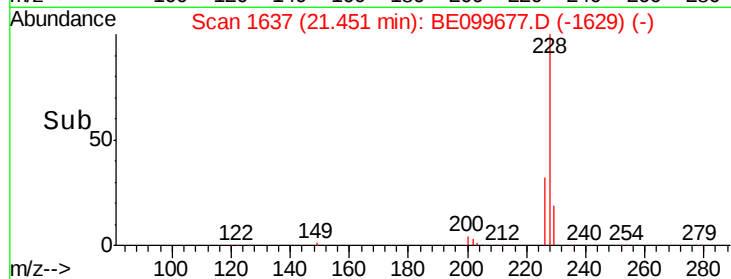
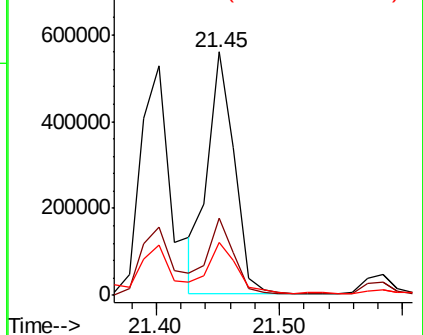
229 21.5 15.8 23.6



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.782 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

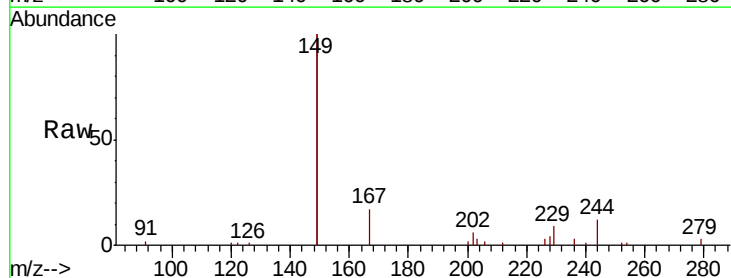
Tgt Ion:149 Resp: 122930

Ion Ratio Lower Upper

149 100

167 7.8 6.2 9.4

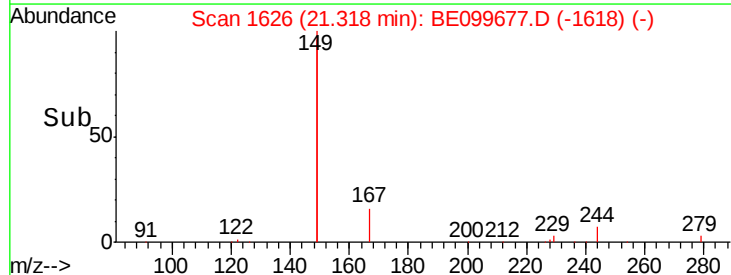
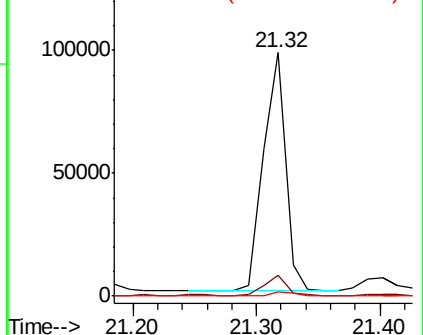
279 1.5 1.2 1.8

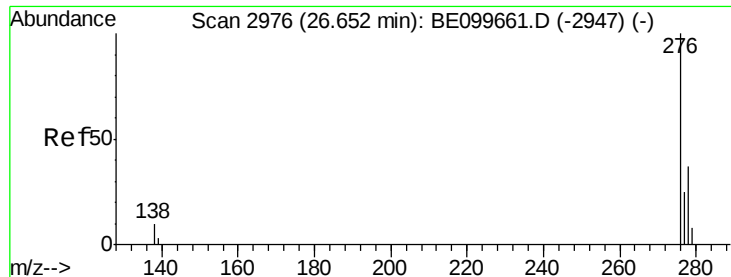


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 8.210 ng

RT: 26.65 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

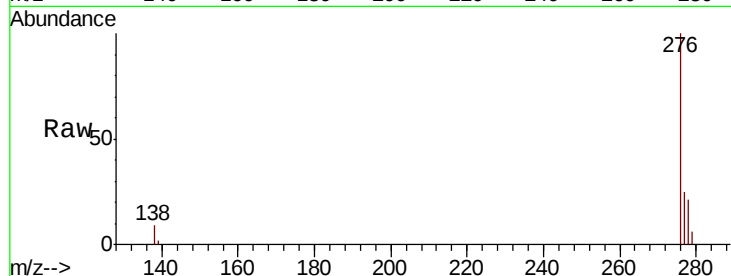
Tgt Ion:276 Resp: 634444

Ion Ratio Lower Upper

276 100

138 9.6 9.6 14.4

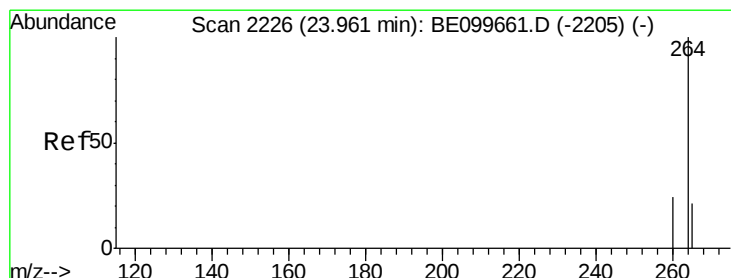
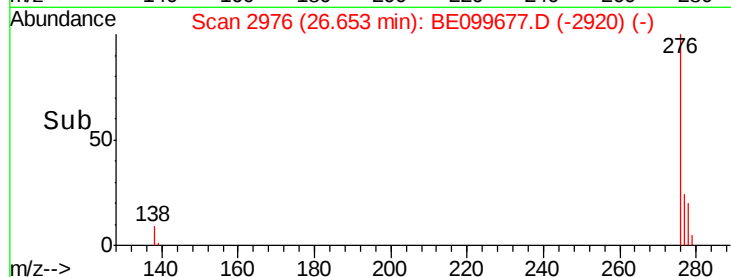
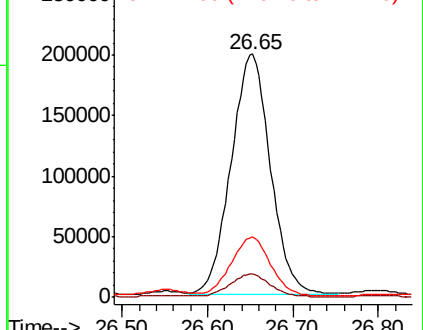
277 24.7 19.2 28.8



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

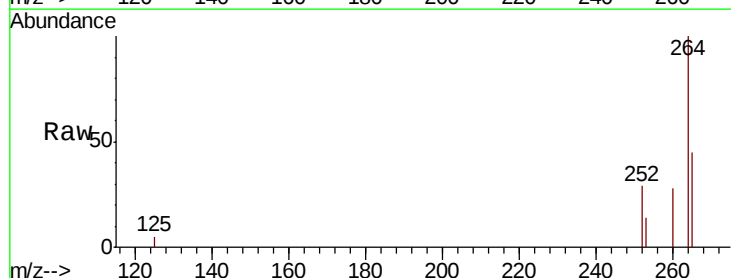
Tgt Ion:264 Resp: 24528

Ion Ratio Lower Upper

264 100

260 27.9 19.6 29.4

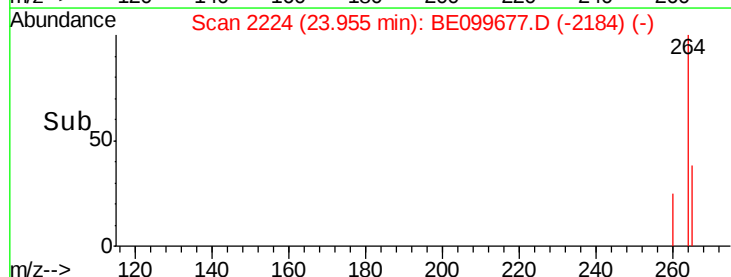
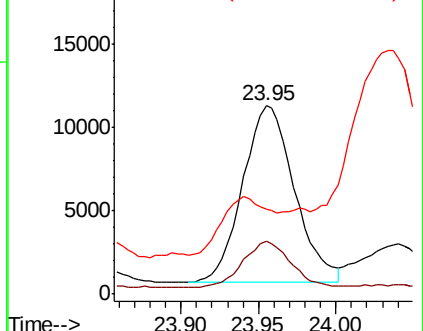
265 44.9 19.1 28.7#

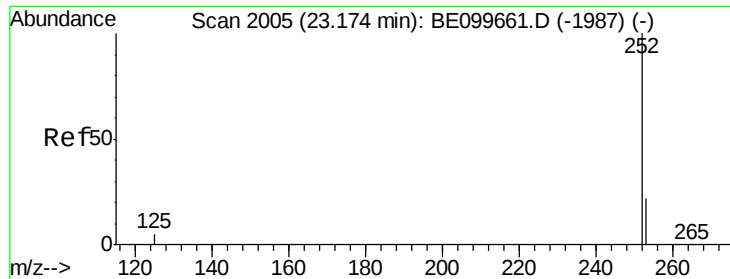


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

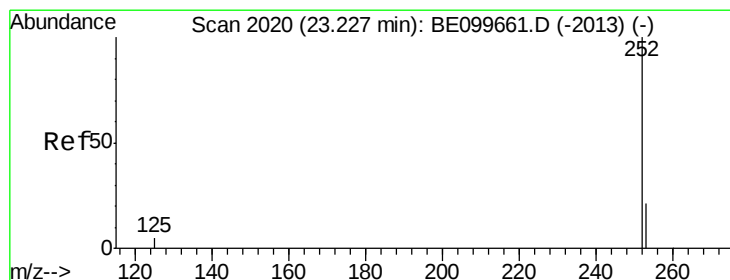
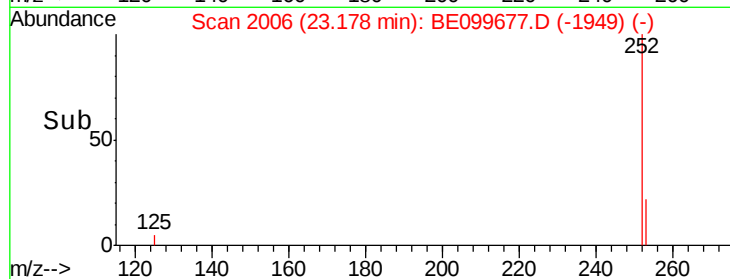
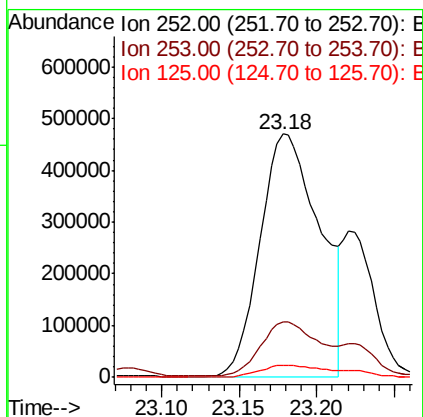
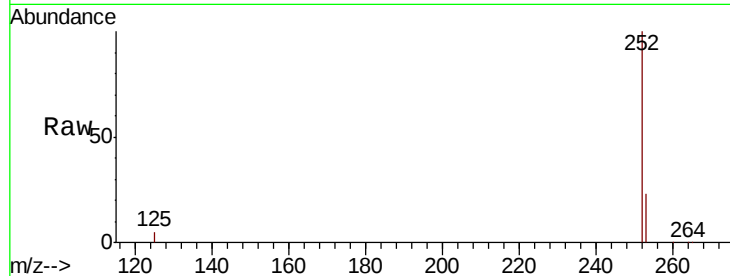




#35
Benzo(b)fluoranthene
Concen: 18.607 ng
RT: 23.18 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BE099677.D
Acq: 21 May 2019 1:20

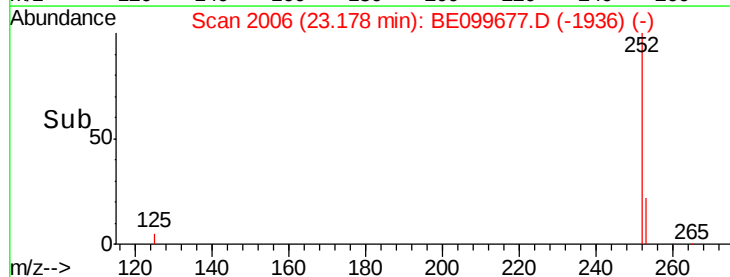
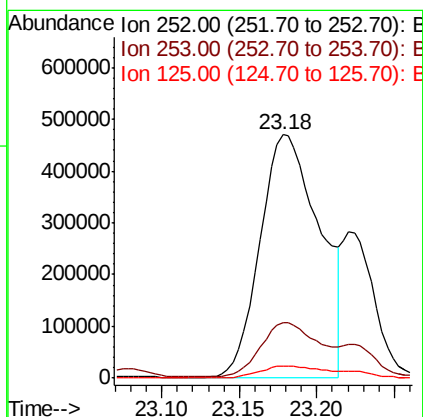
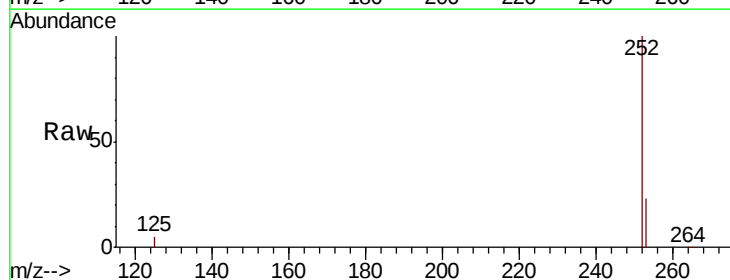
Instrument :
BNA_E
ClientSampleId :
FESB-5(4.5-5)

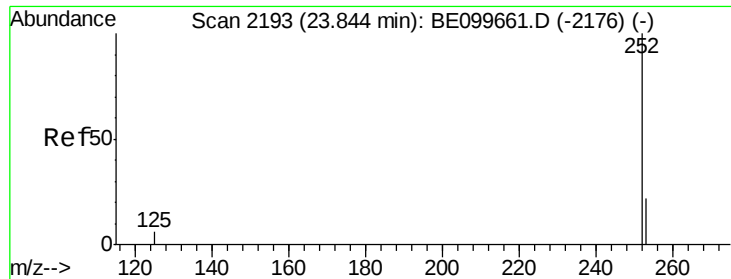
Tgt Ion:252 Resp: 1250611
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 4.8 4.5 6.7



#36
Benzo(k)fluoranthene
Concen: 17.850 ng
RT: 23.18 min Scan# 2006
Delta R.T. -0.05 min
Lab File: BE099677.D
Acq: 21 May 2019 1:20

Tgt Ion:252 Resp: 1250611
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 4.8 4.6 6.8

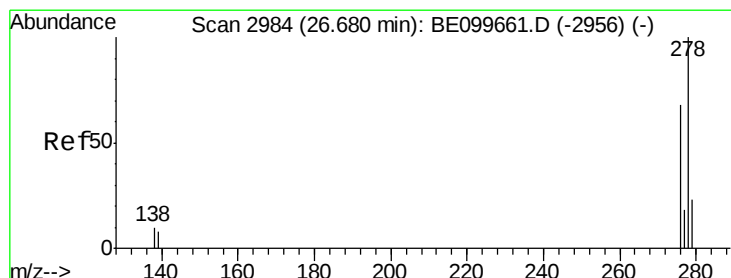
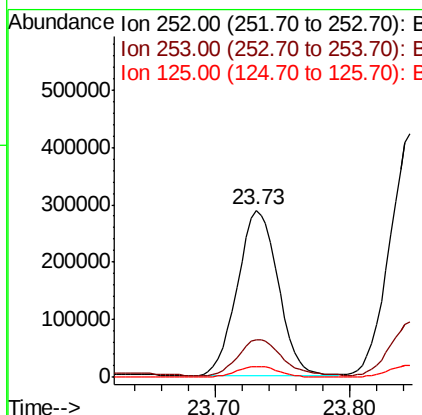
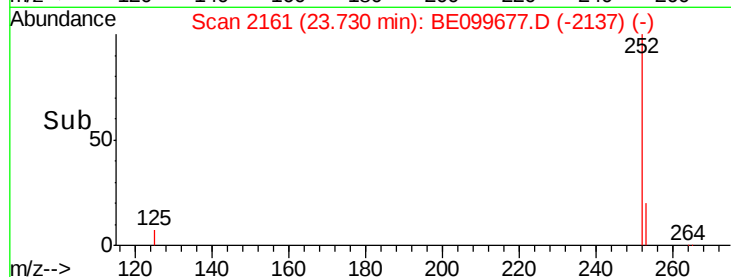
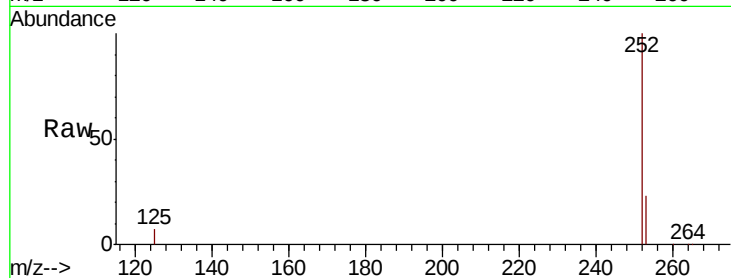




#37
Benzo(a)pyrene
Concen: 9.402 ng
RT: 23.73 min Scan# 2161
Delta R.T. -0.11 min
Lab File: BE099677.D
Acq: 21 May 2019 1:20

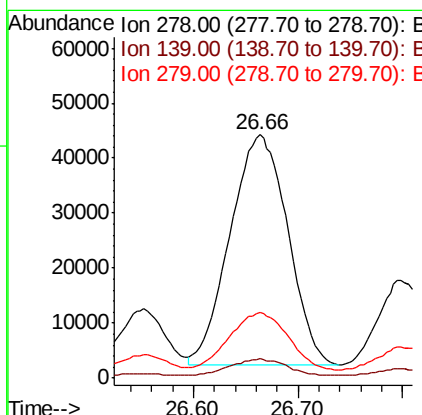
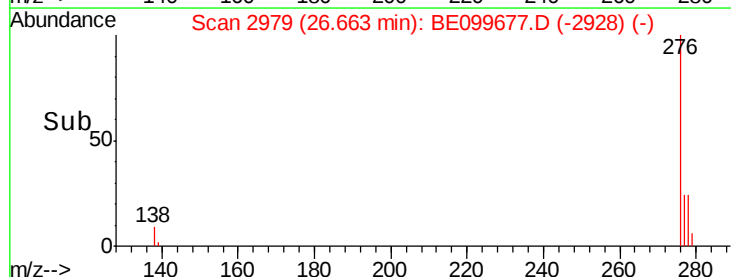
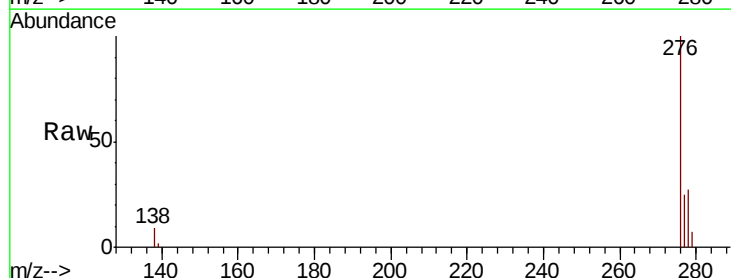
Instrument :
BNA_E
ClientSampleId :
FESB-5(4.5-5)

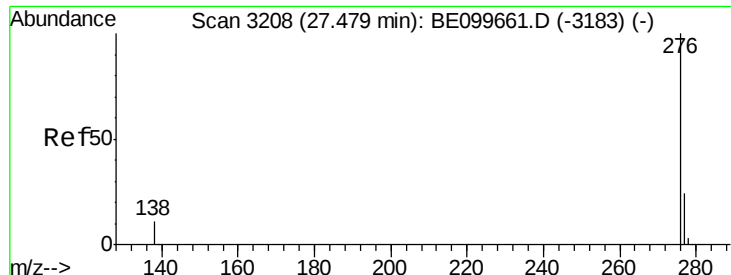
Tgt Ion:252 Resp: 608117
Ion Ratio Lower Upper
252 100
253 22.5 18.9 28.3
125 6.8 5.4 8.0



#38
Dibenzo(a,h)anthracene
Concen: 2.351 ng
RT: 26.66 min Scan# 2979
Delta R.T. -0.02 min
Lab File: BE099677.D
Acq: 21 May 2019 1:20

Tgt Ion:278 Resp: 159671
Ion Ratio Lower Upper
278 100
139 7.8 6.9 10.3
279 26.9 19.2 28.8





#39

Benzo(g,h,i)perylene

Concen: 8.987 ng

RT: 27.49 min Scan# 3210

Delta R.T. 0.01 min

Lab File: BE099677.D

Acq: 21 May 2019 1:20

Instrument :

BNA_E

ClientSampleId :

FESB-5(4.5-5)

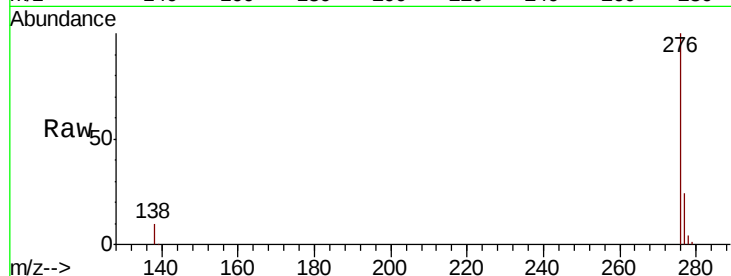
Tgt Ion: 276 Resp: 616384

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.6

138 9.8 9.2 13.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

