

Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE052219\
 Data File : BE099719.D
 Acq On : 22 May 2019 14:31
 Operator : JU/SJ
 Sample : K2986-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-19(6.5-7)

Quant Time: Jun 01 00:40:11 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	7.81	152	1478	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5248	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3859	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10942	0.40	ng	0.00
27) Chrysene-d12	21.41	240	16041	0.40	ng	0.00
34) Perylene-d12	23.95	264	19354	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1189	0.32	ng	0.00
5) Phenol-d6	6.98	99	1725	0.35	ng	0.00
8) Nitrobenzene-d5	8.98	82	1369	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	2464	0.27	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	768	0.39	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3721	0.25	ng	0.00
25) Fluoranthene-d10	19.26	212	38139	0.26	ng	0.00
29) Terphenyl-d14	19.86	244	7962	0.28	ng	-0.01

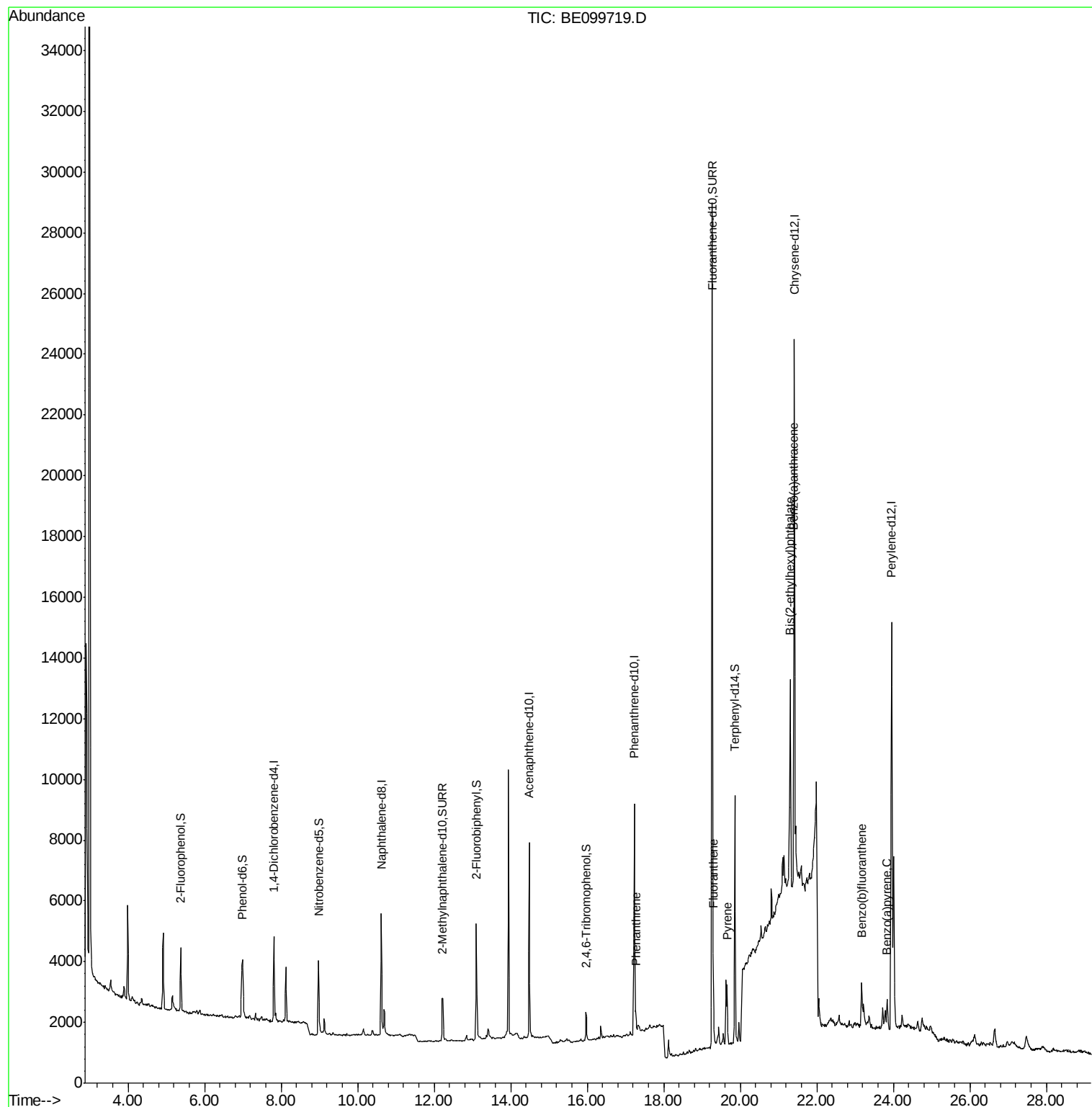
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.27	178	652	0.024	ng	# 85
26) Fluoranthene	19.29	202	2059	0.049	ng	# 95
28) Pyrene	19.66	202	1991	0.049	ng	# 88
30) Benzo(a)anthracene	21.40	228	1864	0.041	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.31	149	12985	0.247	ng	# 99
35) Benzo(b)fluoranthene	23.17	252	1815	0.034	ng	# 9
37) Benzo(a)pyrene	23.84	252	1313	0.026	ng	# 25

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

Instrument :

BNA_E

ClientSampleId :

FESB-19(6.5-7)

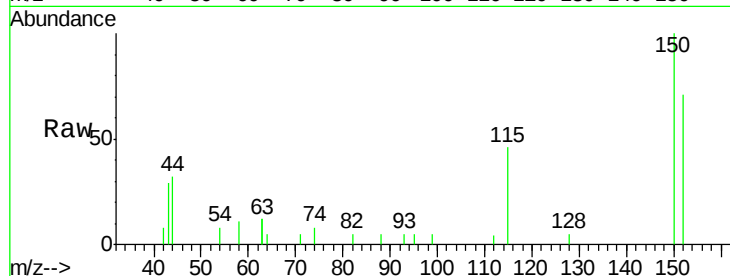
Tot Ion:152 Resp: 1478

Ion Ratio Lower Upper

152 100

150 141.4 109.2 163.8

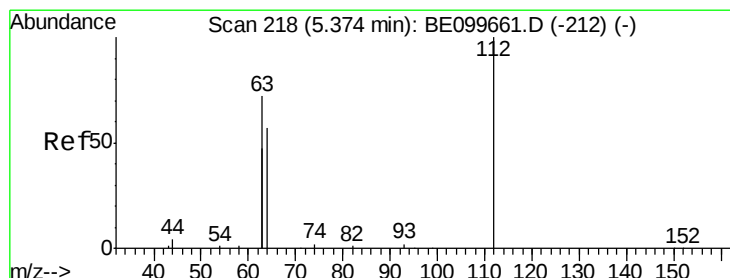
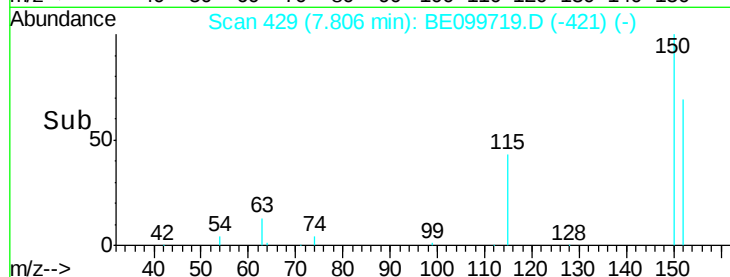
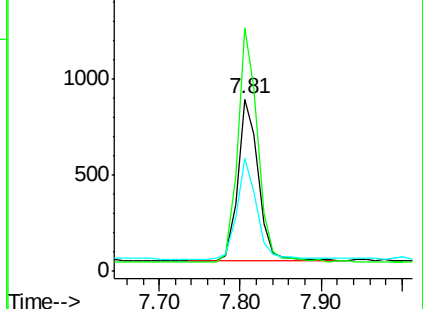
115 65.6 43.7 65.5#



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: 0.318 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

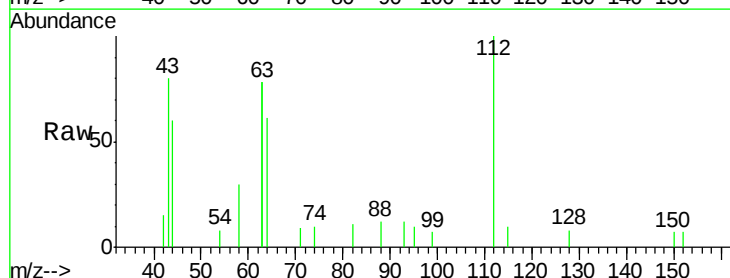
Tgt Ion:112 Resp: 1189

Ion Ratio Lower Upper

112 100

64 55.2 43.4 65.2

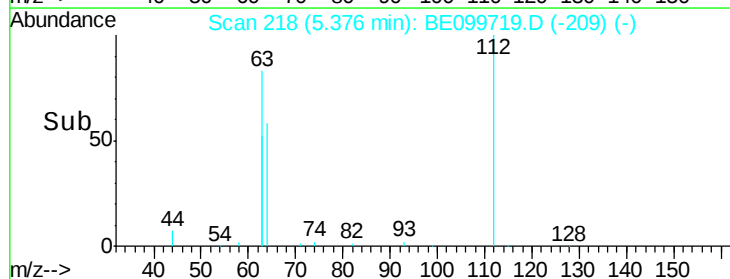
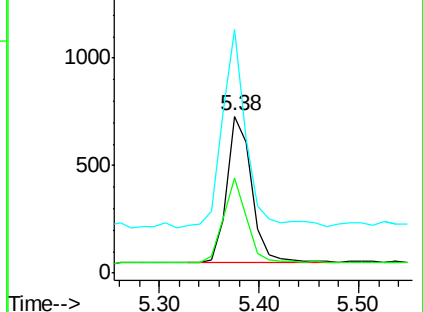
63 128.9 96.9 145.3

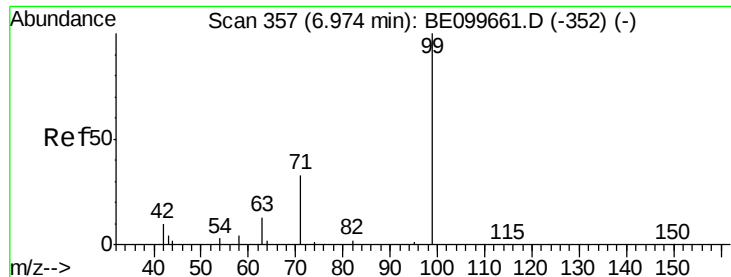


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.349 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

Instrument :

BNA_E

ClientSampleId :

FESB-19(6.5-7)

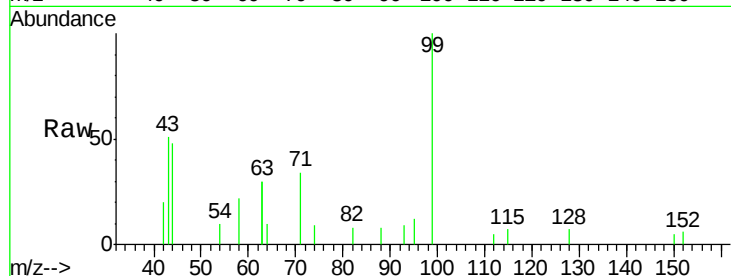
Tot Ion: 99 Resp: 1725

Ion Ratio Lower Upper

99 100

42 17.1 12.2 18.2

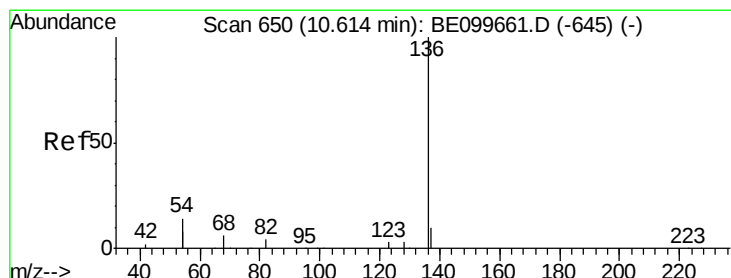
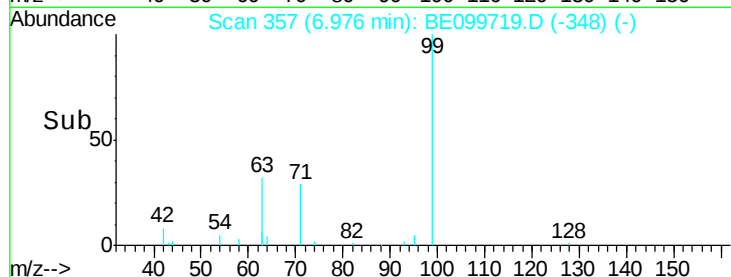
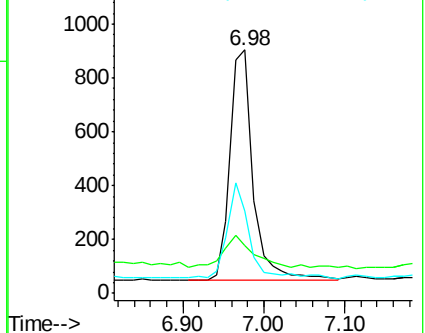
71 39.4 28.9 43.3



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

Tgt Ion: 136 Resp: 5248

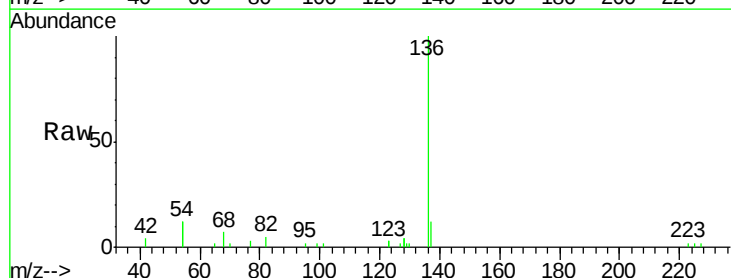
Ion Ratio Lower Upper

136 100

137 12.4 9.0 13.6

54 24.2 22.3 33.5

68 7.0 6.0 9.0

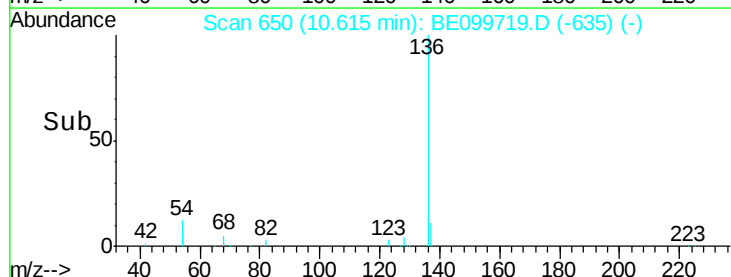
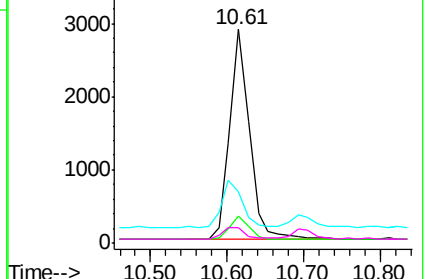


Abundance Ion 136.00 (135.70 to 136.70): E

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

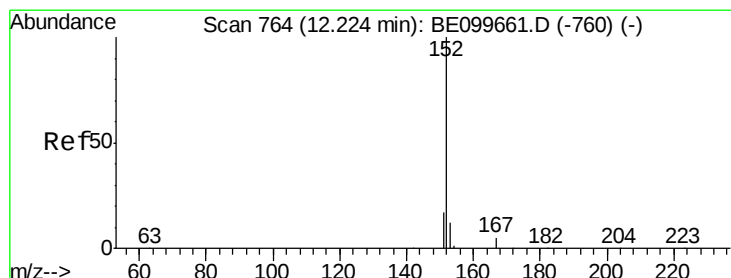
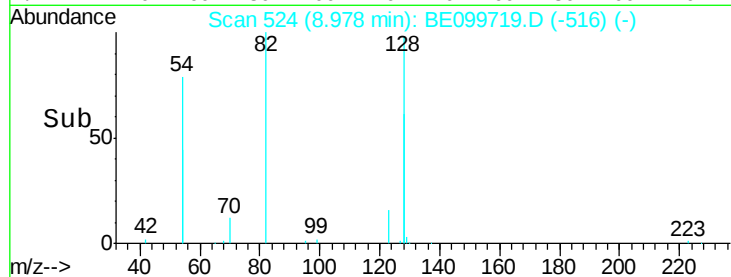
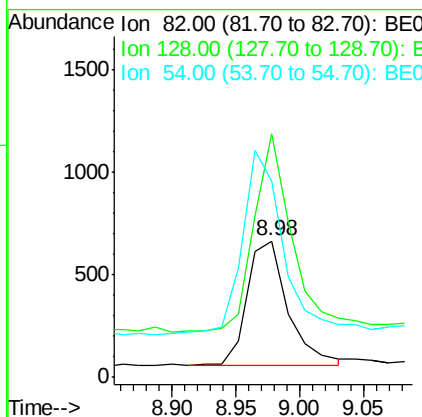
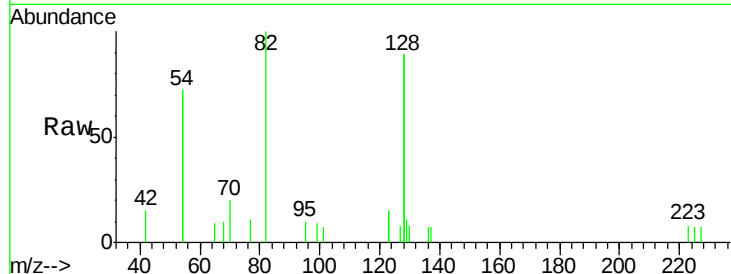




#8
 Nitrobenzene-d5
 Concen: 0.301 ng
 RT: 8.98 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BE099719.D
 Acq: 22 May 2019 14:31

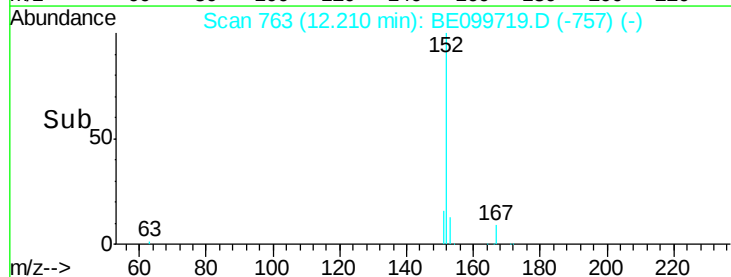
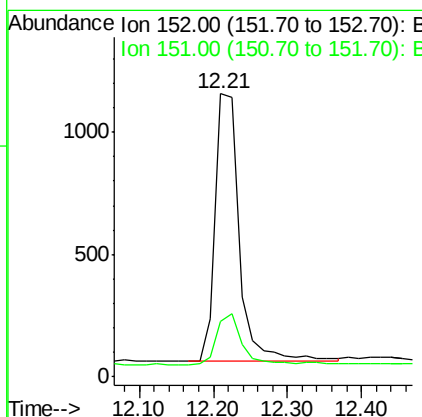
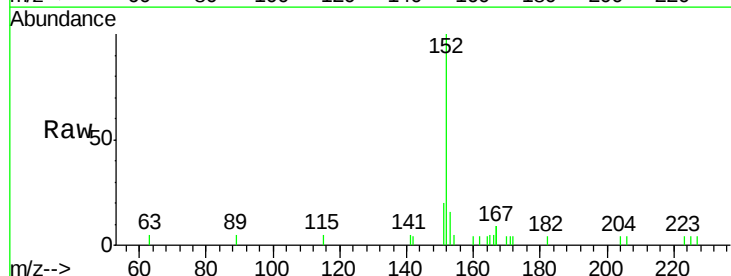
Instrument :
 BNA_E
 ClientSampleId :
 FESB-19(6.5-7)

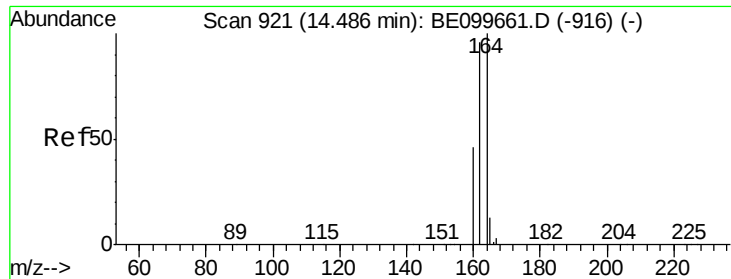
Tot Ion	82	Resp	1369
Ion Ratio	Lower	Upper	
82	100		
128	178.6	117.7	176.5#
54	144.3	106.6	160.0



#11
 2-Methylnaphthalene-d10
 Concen: 0.272 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BE099719.D
 Acq: 22 May 2019 14:31

Tgt Ion	152	Resp	2464
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.0	22.4

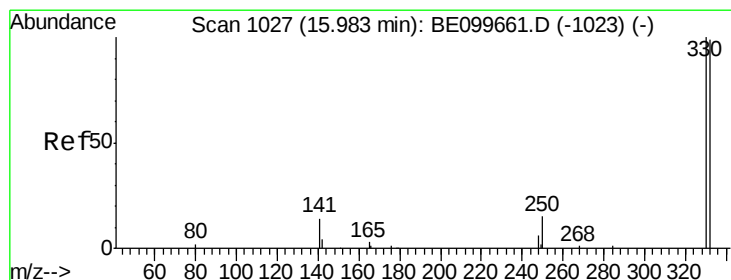
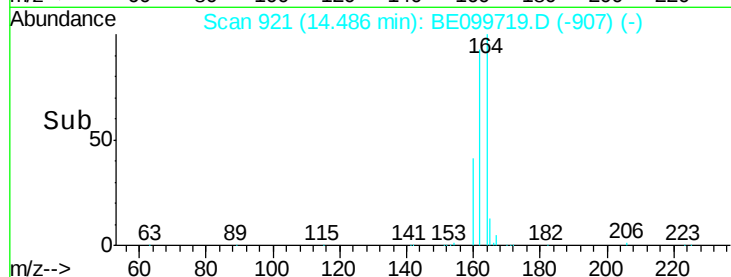
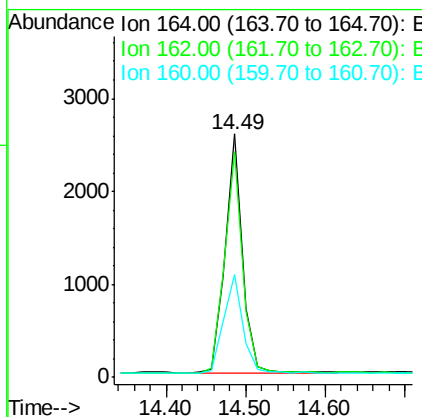
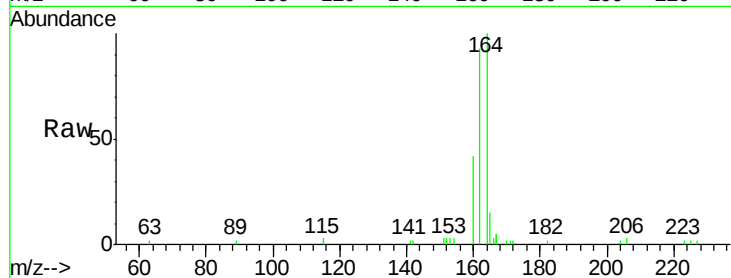




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099719.D
Acq: 22 May 2019 14:31

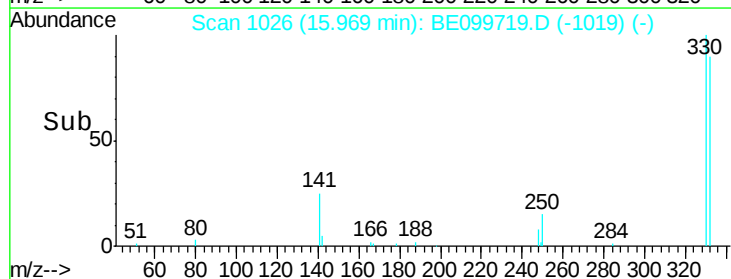
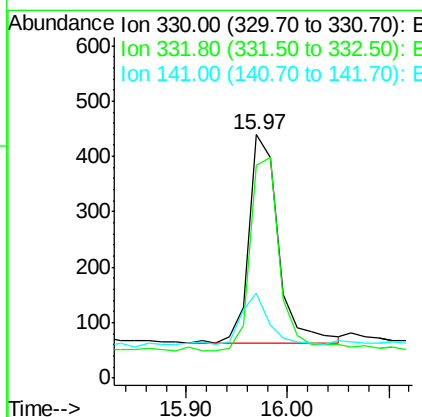
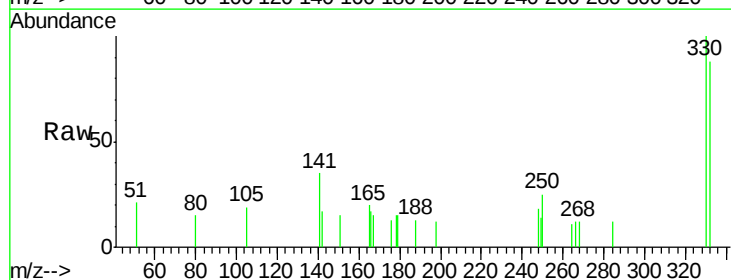
Instrument :
BNA_E
ClientSampleId :
FESB-19(6.5-7)

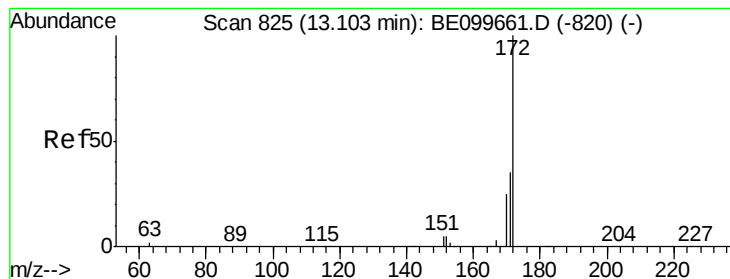
Tot Ion:164 Resp: 3859
Ion Ratio Lower Upper
164 100
162 92.7 76.5 114.7
160 42.2 37.4 56.2



#14
2,4,6-Tribromophenol
Concen: 0.393 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099719.D
Acq: 22 May 2019 14:31

Tgt Ion:330 Resp: 768
Ion Ratio Lower Upper
330 100
332 95.3 77.3 115.9
141 23.8 18.9 28.3





#15

2-Fluorobiphenyl

Concen: 0.254 ng

RT: 13.10 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

Instrument :

BNA_E

ClientSampleId :

FESB-19(6.5-7)

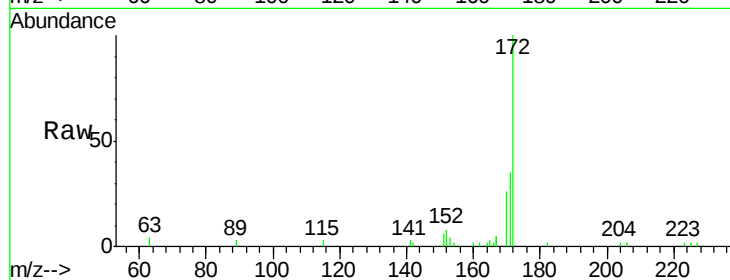
Tot Ion:172 Resp: 3721

Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

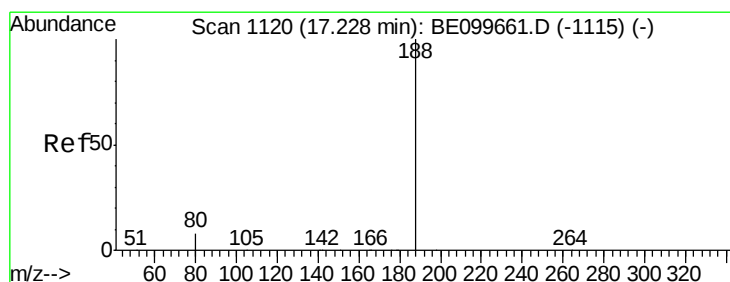
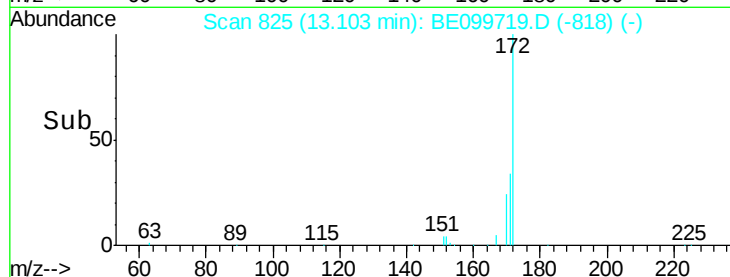
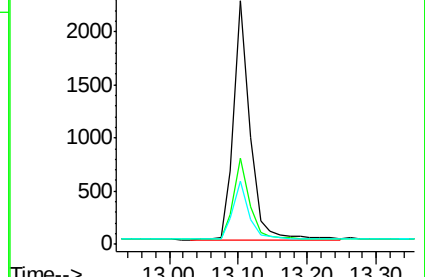
170 25.7 20.9 31.3



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

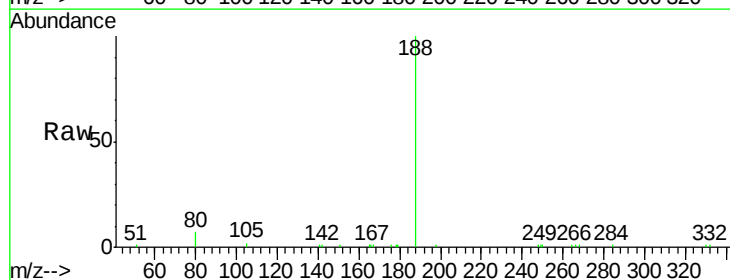
Tgt Ion:188 Resp: 10942

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

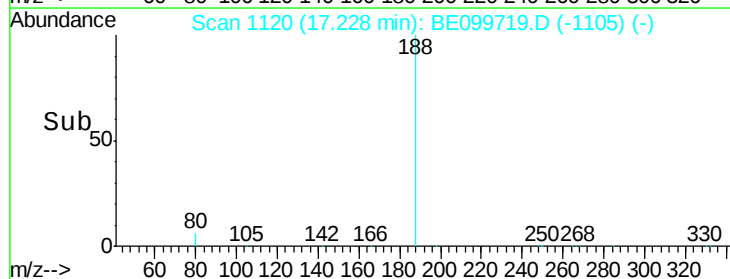
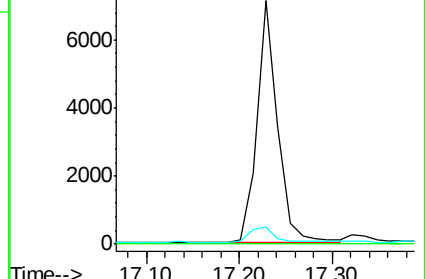
80 6.9 6.7 10.1

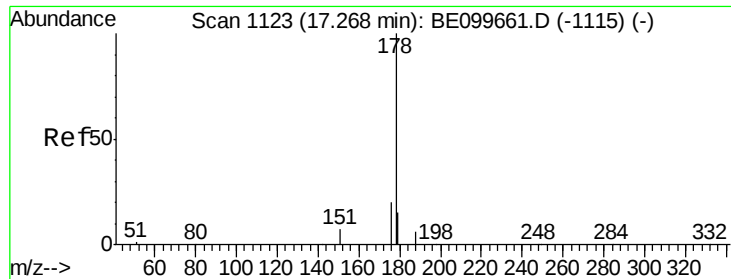


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 0.024 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

Instrument :

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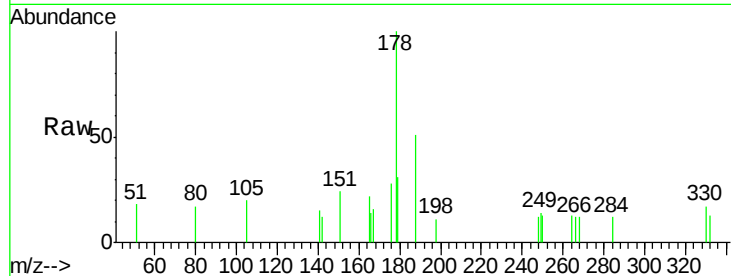
Tot Ion:178 Resp: 652

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

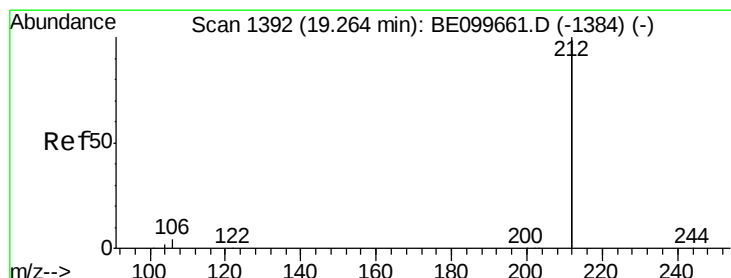
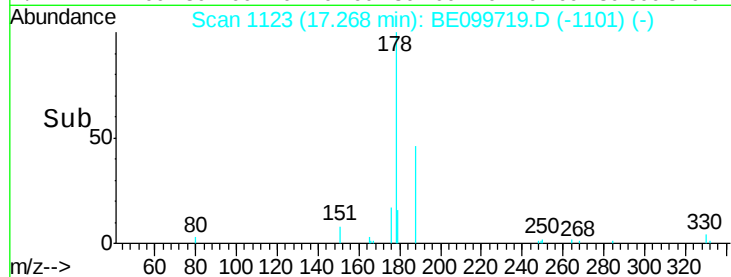
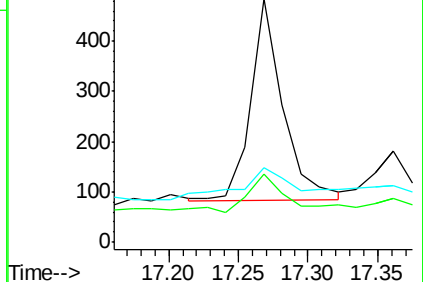
179 29.4 12.2 18.4#



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



#25

Fluoranthene-d10

Concen: 0.255 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

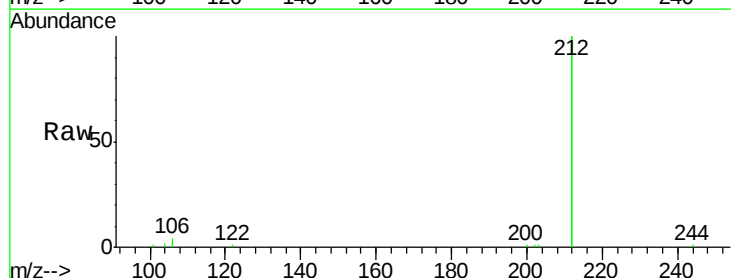
Tgt Ion:212 Resp: 38139

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

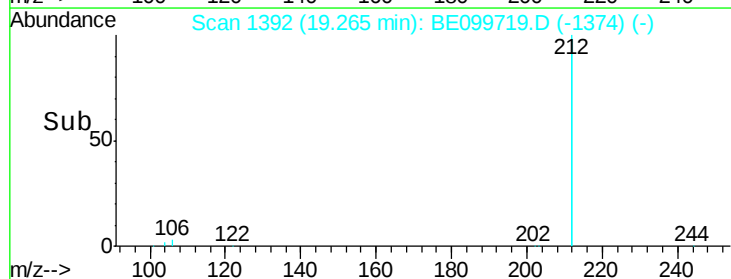
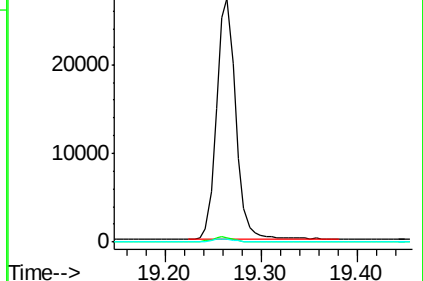
104 1.1 0.8 1.2

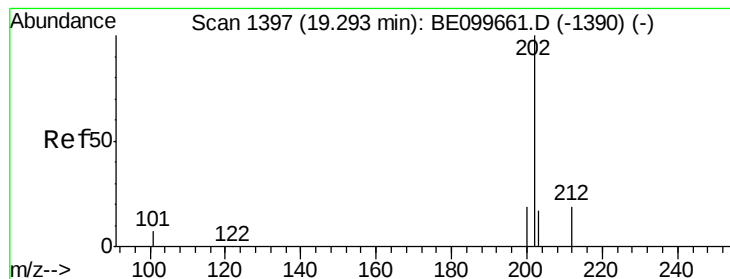


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.049 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

Instrument :

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FESB-19(6.5-7)

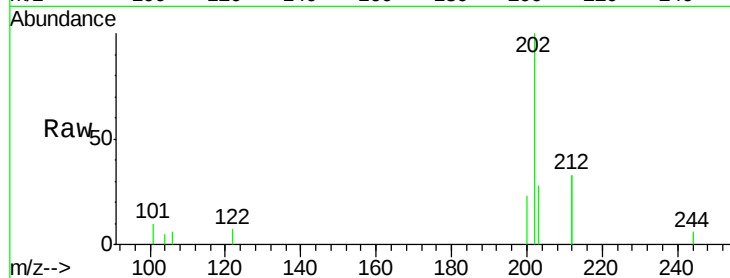
Tot Ion:202 Resp: 2059

Ion Ratio Lower Upper

202 100

101 8.3 5.2 7.8#

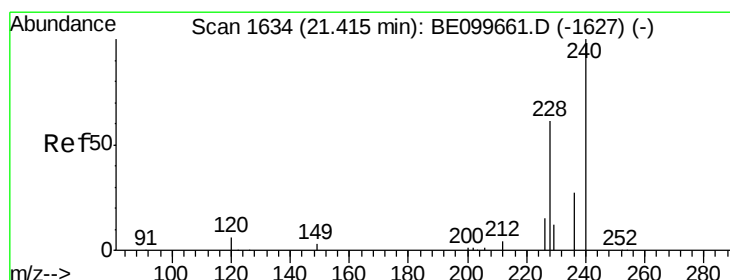
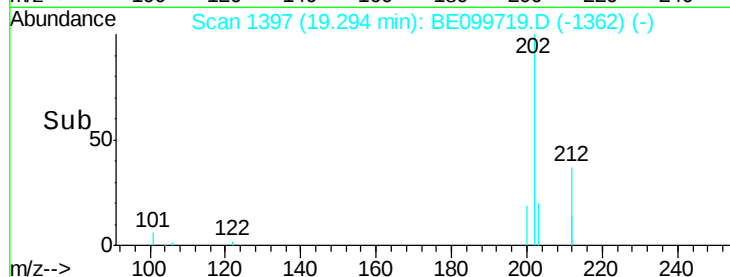
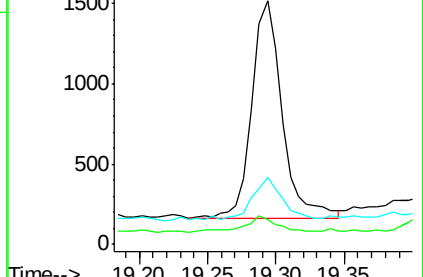
203 19.1 13.8 20.6



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: BE099719.D

Acq: 22 May 2019 14:31

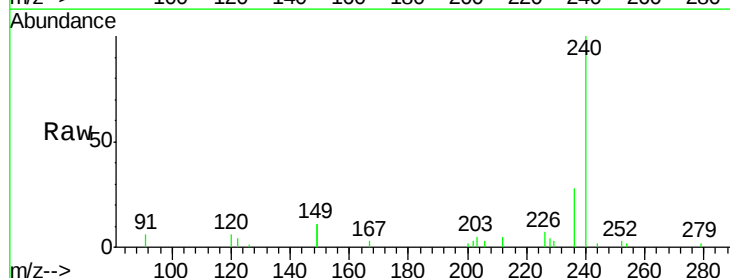
Tgt Ion:240 Resp: 16041

Ion Ratio Lower Upper

240 100

120 5.5 5.4 8.0

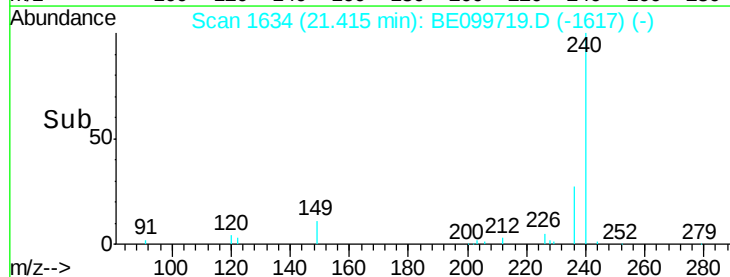
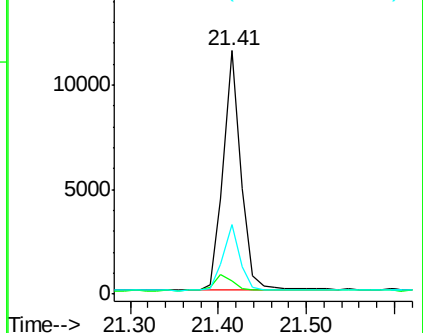
236 28.4 21.7 32.5

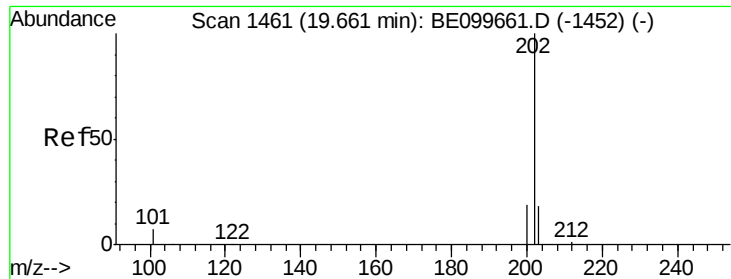


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

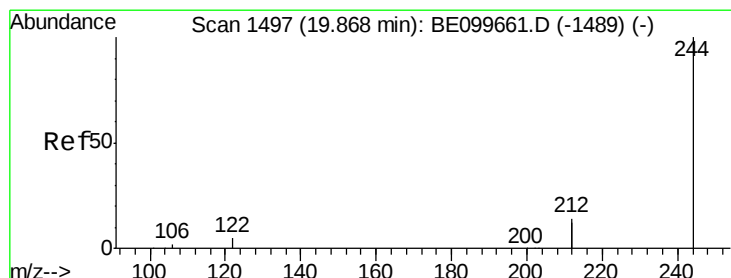
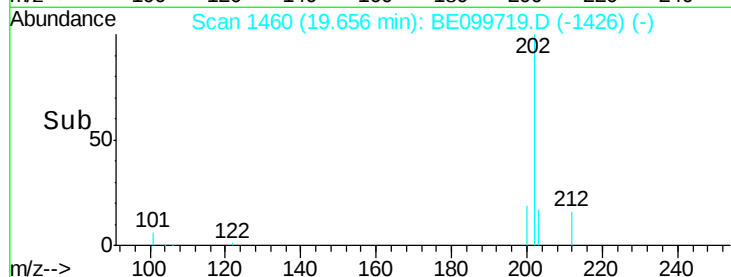
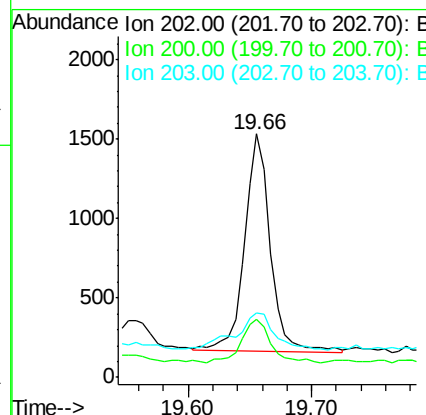
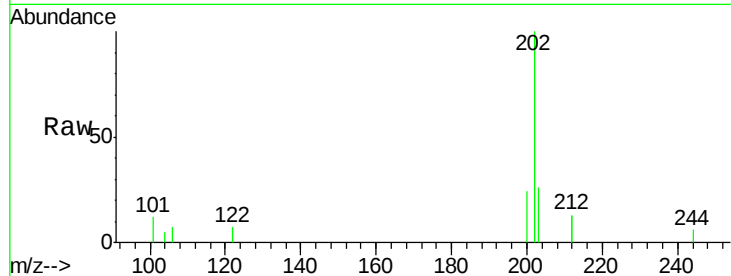




#28
Pvrene
Concen: 0.049 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099719.D
Acq: 22 May 2019 14:31

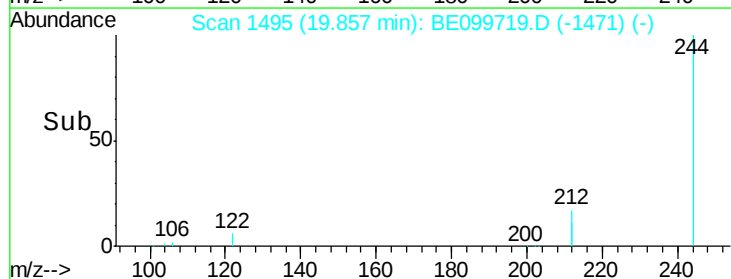
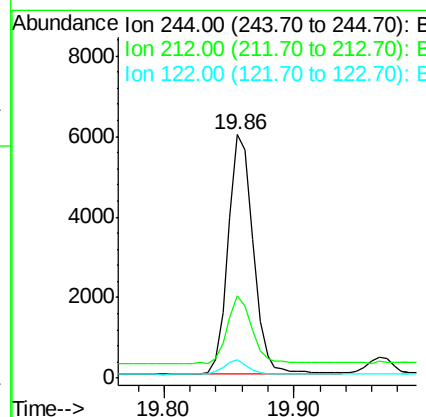
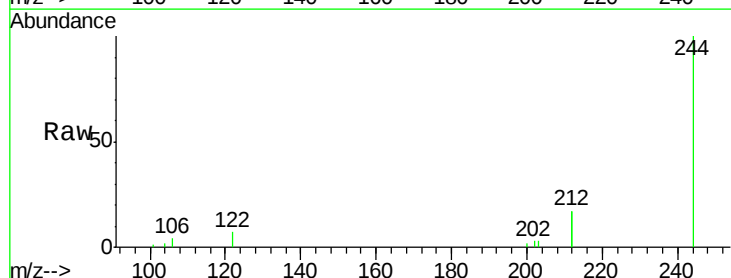
Instrument :
BNA_E
ClientSampleId :
FESB-19(6.5-7)

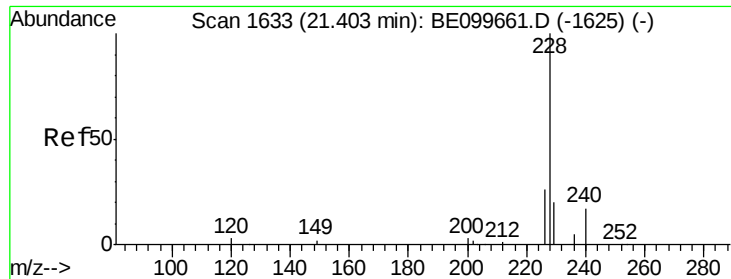
Tot Ion:202 Resp: 1991
Ion Ratio Lower Upper
202 100
200 22.1 15.4 23.2
203 25.4 13.8 20.8#



#29
Terphenyl-d14
Concen: 0.278 ng
RT: 19.86 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BE099719.D
Acq: 22 May 2019 14:31

Tgt Ion:244 Resp: 7962
Ion Ratio Lower Upper
244 100
212 33.6 22.5 33.7
122 7.3 4.3 6.5#





#30

Benzo(a)anthracene

Concen: 0.041 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

Instrument :

BNA_E

ClientSampleId :

FESB-19(6.5-7)

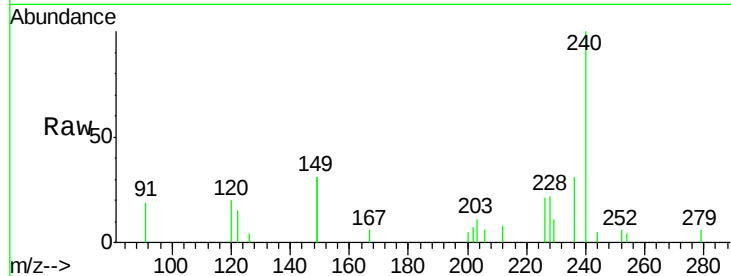
Tot Ion:228 Resp: 1864

Ion Ratio Lower Upper

228 100

226 97.9 21.3 31.9#

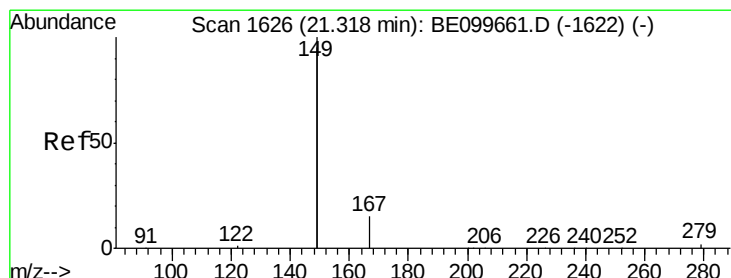
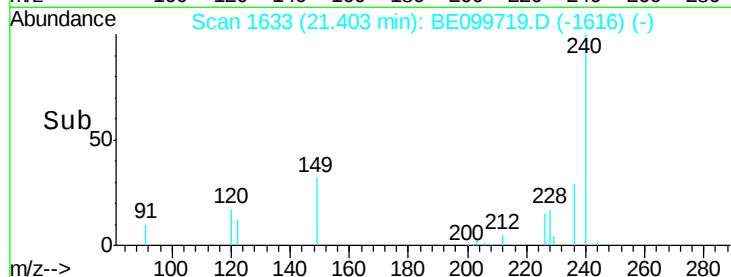
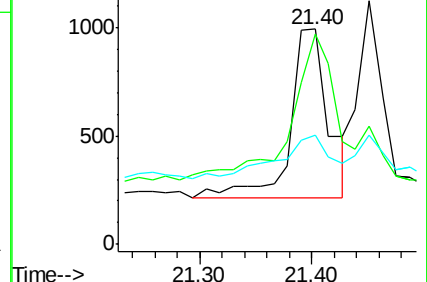
229 50.9 16.1 24.1#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.247 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

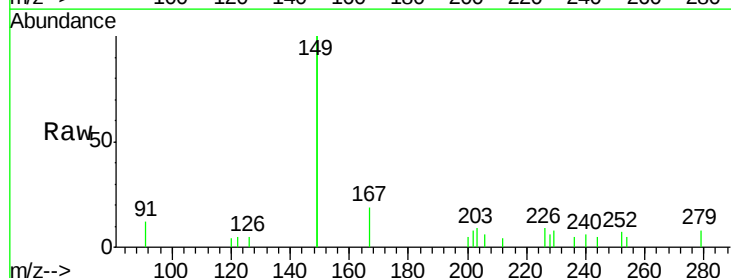
Tgt Ion:149 Resp: 12985

Ion Ratio Lower Upper

149 100

167 8.3 6.2 9.4

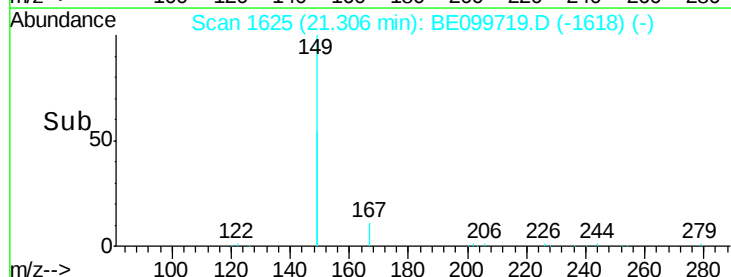
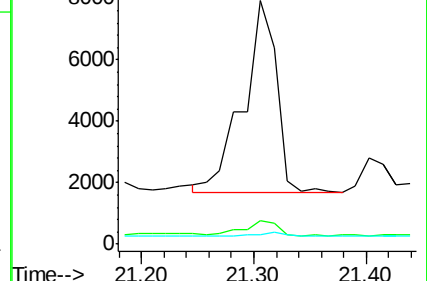
279 1.7 1.2 1.8

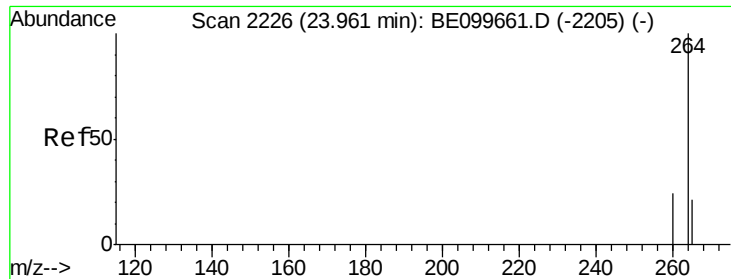


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

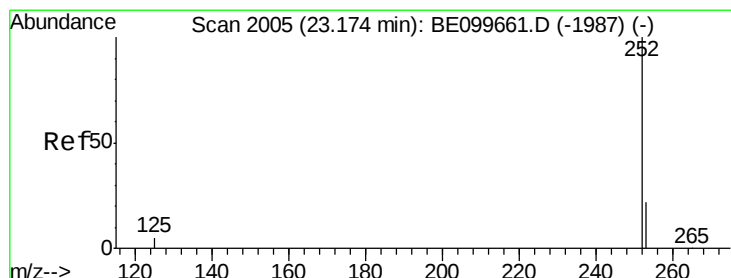
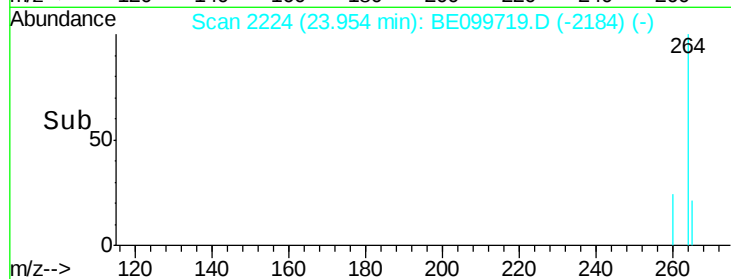
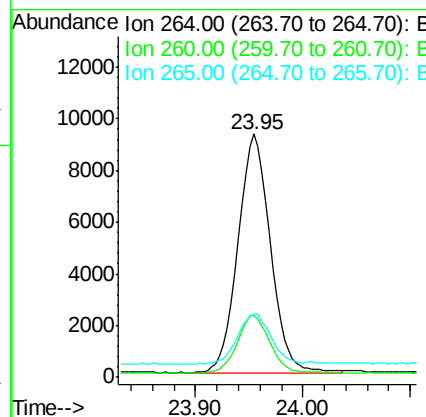
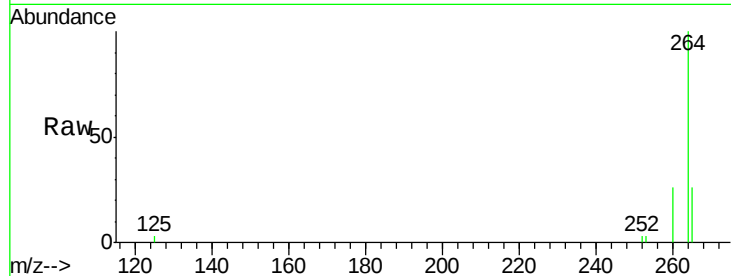




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.95 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BE099719.D
Acq: 22 May 2019 14:31

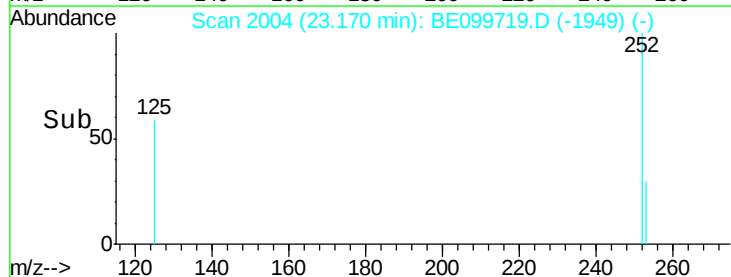
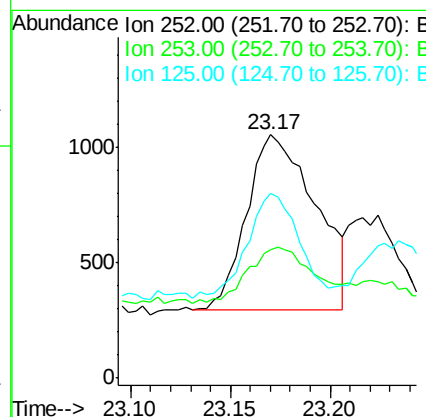
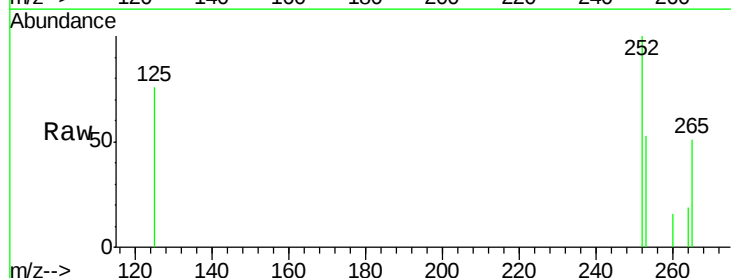
Instrument :
BNA_E
ClientSampleId :
FESB-19(6.5-7)

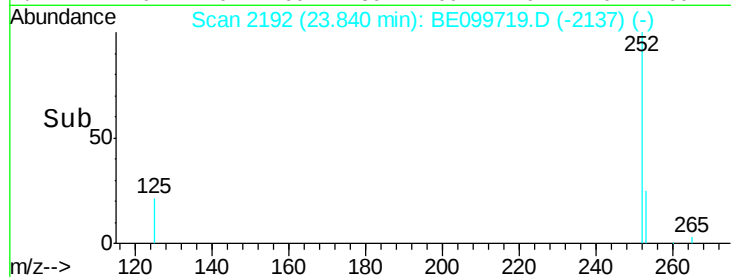
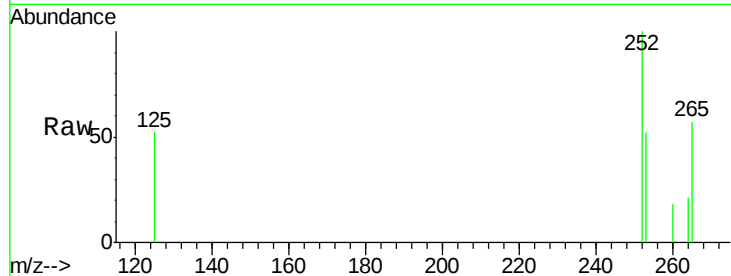
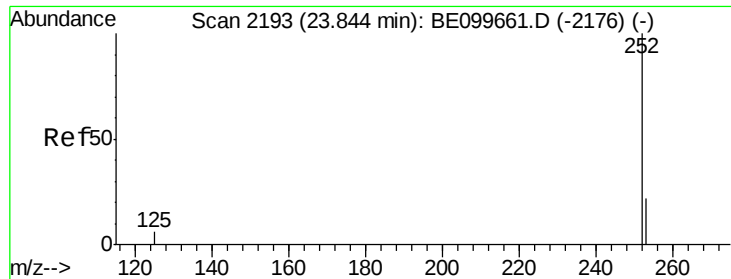
Tot Ion:264 Resp: 19354
Ion Ratio Lower Upper
264 100
260 25.6 19.6 29.4
265 26.1 19.1 28.7



#35
Benzo(b)fluoranthene
Concen: 0.034 ng
RT: 23.17 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BE099719.D
Acq: 22 May 2019 14:31

Tgt Ion:252 Resp: 1815
Ion Ratio Lower Upper
252 100
253 52.6 18.2 27.4#
125 75.9 4.5 6.7#





#37

Benzo(a)pyrene

Concen: 0.026 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099719.D

Acq: 22 May 2019 14:31

Instrument :

BNA_E

ClientSampleId :

FESB-19(6.5-7)

Tot Ion: 252 Resp: 1313

Ion Ratio Lower Upper

252 100

253 52.3 18.9 28.3#

125 51.8 5.4 8.0#

