

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
 Data File : BE099678.D
 Acq On : 21 May 2019 1:56
 Operator : JU/SJ
 Sample : K2906-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-10(8-8.5)

Quant Time: May 21 07:29:30 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	1439	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	4978	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3614	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10701	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15736	0.40	ng	0.00
34) Perylene-d12	23.96	264	20370	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1241	0.34	ng	0.00
5) Phenol-d6	6.98	99	1688	0.35	ng	0.00
8) Nitrobenzene-d5	8.98	82	1337	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2737	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	770	0.41	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4205	0.31	ng	0.00
25) Fluoranthene-d10	19.27	212	43656	0.30	ng	0.00
29) Terphenyl-d14	19.86	244	9290	0.33	ng	-0.01

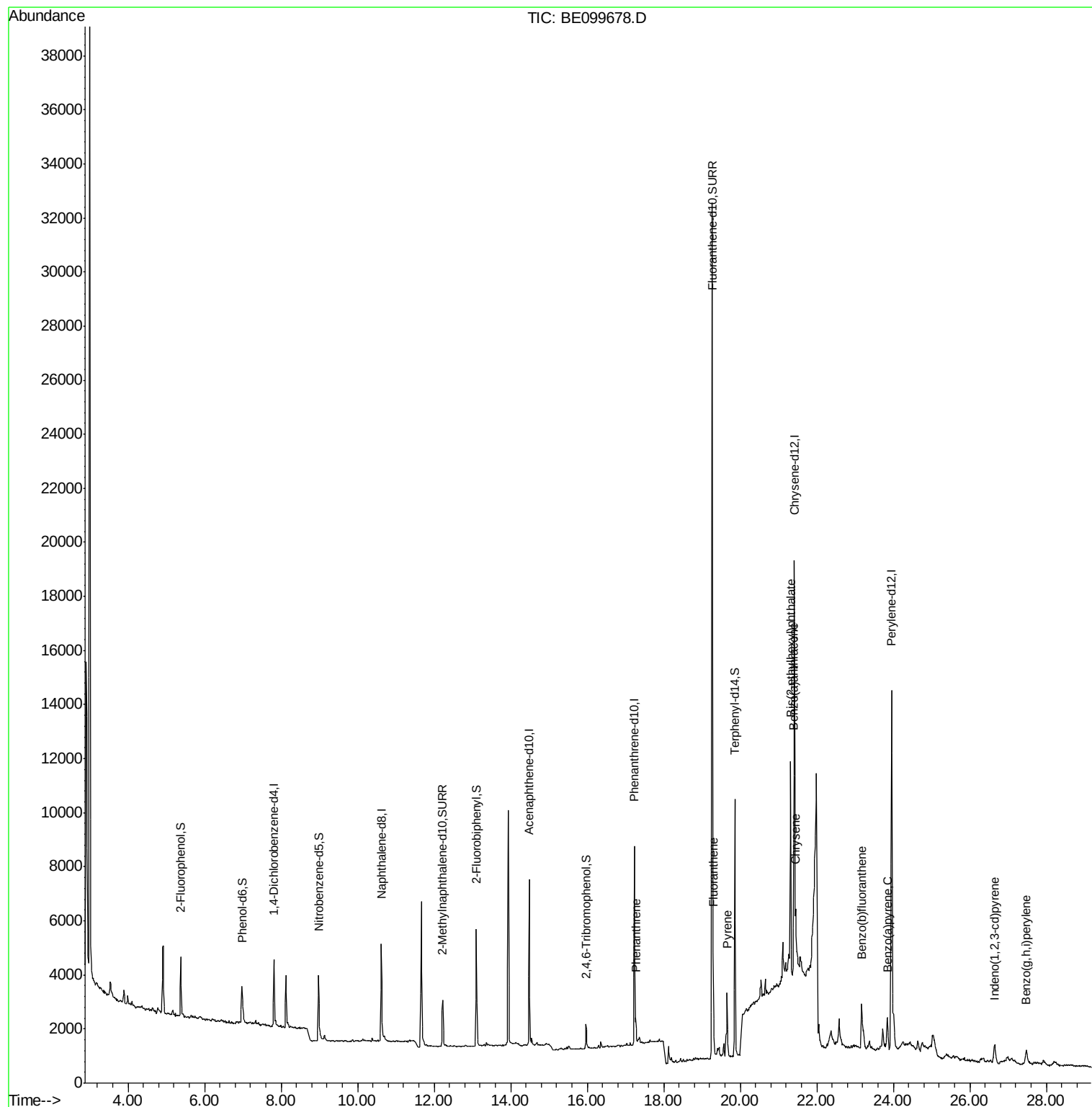
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.27	178	985	0.038	ng	# 86
26) Fluoranthene	19.29	202	2647	0.064	ng	# 96
28) Pyrene	19.66	202	2358	0.060	ng	# 93
30) Benzo(a)anthracene	21.40	228	1833	0.041	ng	# 46
31) Chrysene	21.45	228	1275	0.027	ng	# 75
32) Bis(2-ethylhexyl)phthalate	21.32	149	11545	0.224	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.64	276	1463	0.025	ng	# 75
35) Benzo(b)fluoranthene	23.17	252	2465	0.044	ng	# 38
37) Benzo(a)pyrene	23.84	252	1677	0.031	ng	# 45
39) Benzo(a,h,i)perylene	27.48	276	1321	0.023	ng	# 69

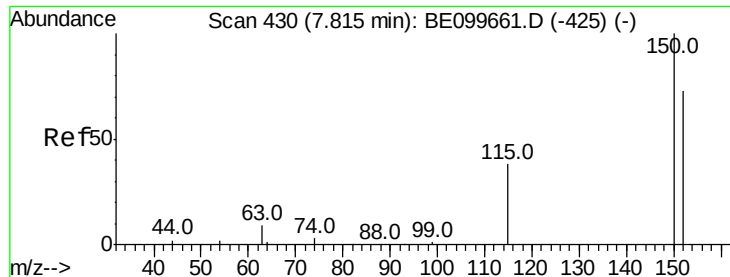
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099678.D

Acq: 21 May 2019 1:56

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

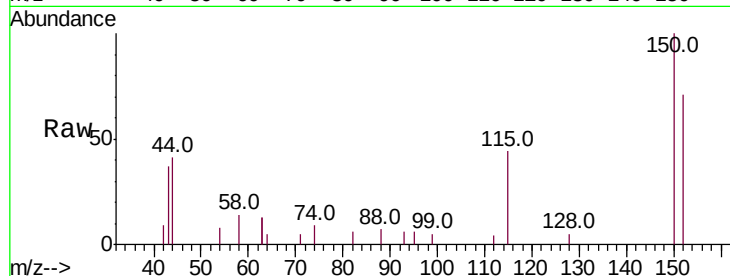
Tot Ion:152 Resp: 1439

Ion Ratio Lower Upper

152 100

150 141.4 109.2 163.8

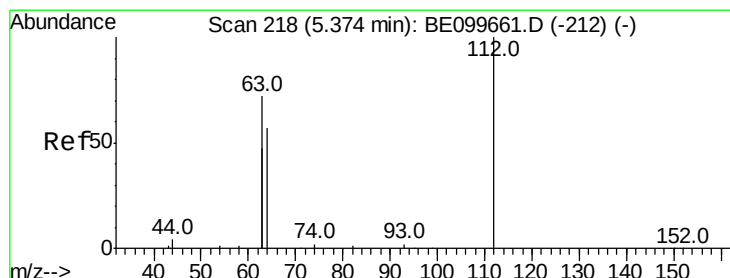
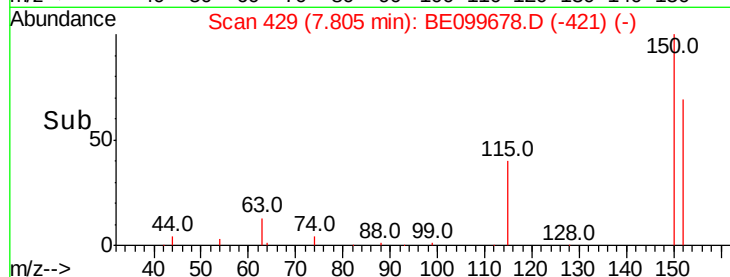
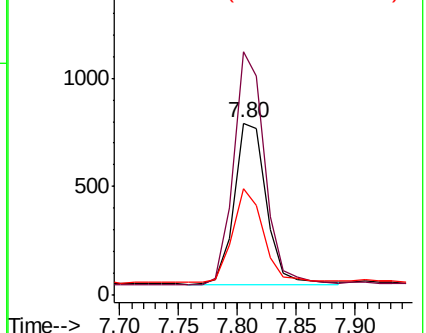
115 61.8 43.7 65.5



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: 0.341 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099678.D

Acq: 21 May 2019 1:56

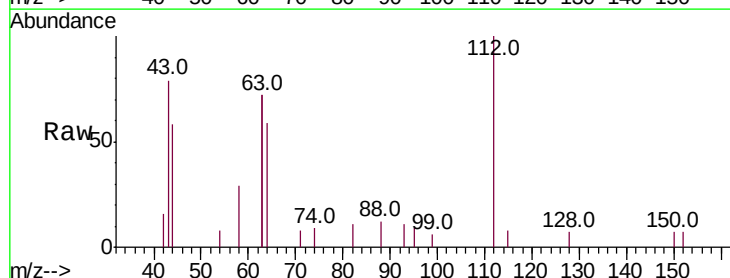
Tgt Ion:112 Resp: 1241

Ion Ratio Lower Upper

112 100

64 57.9 43.4 65.2

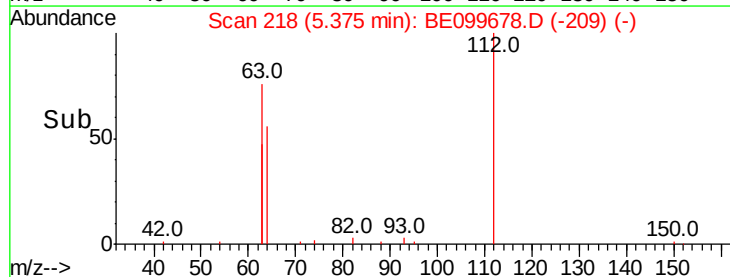
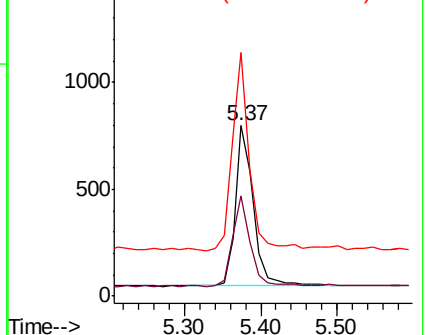
63 120.4 96.9 145.3

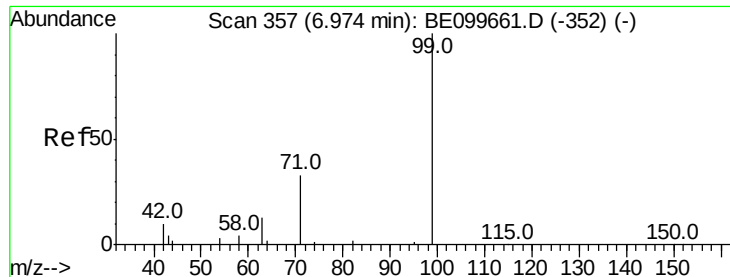


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.351 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099678.D

Acq: 21 May 2019 1:56

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

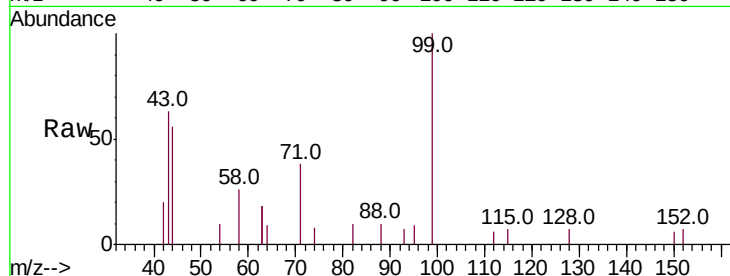
Tot Ion: 99 Resp: 1688

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

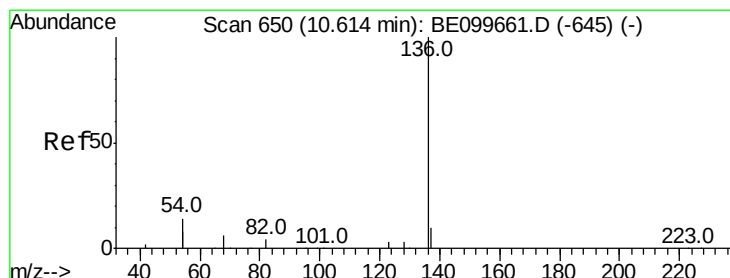
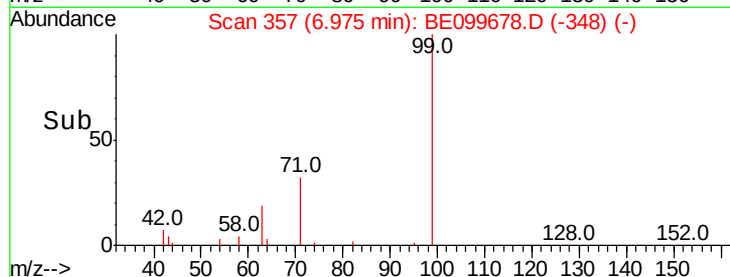
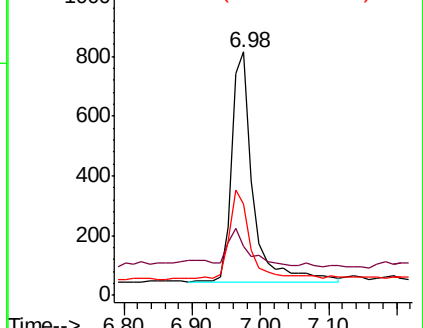
71 37.6 28.9 43.3



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: BE099678.D

Acq: 21 May 2019 1:56

Tgt Ion: 136 Resp: 4978

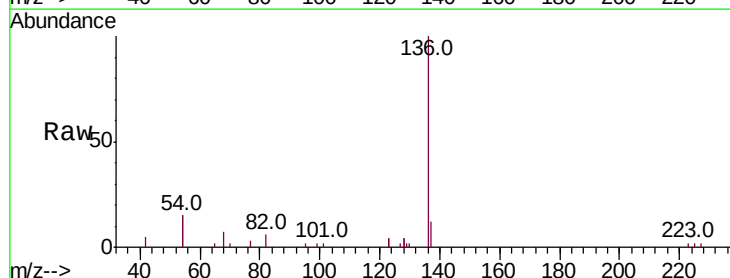
Ion Ratio Lower Upper

136 100

137 12.2 9.0 13.6

54 29.6 22.3 33.5

68 7.3 6.0 9.0

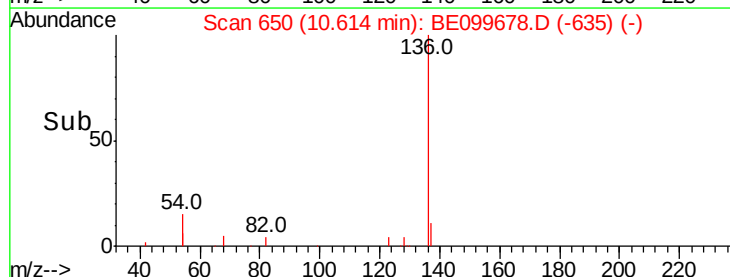
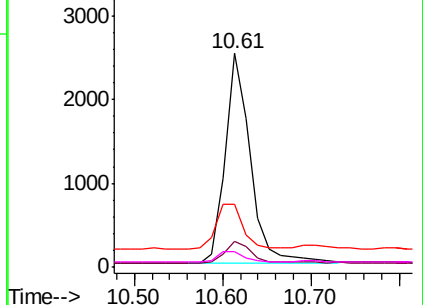


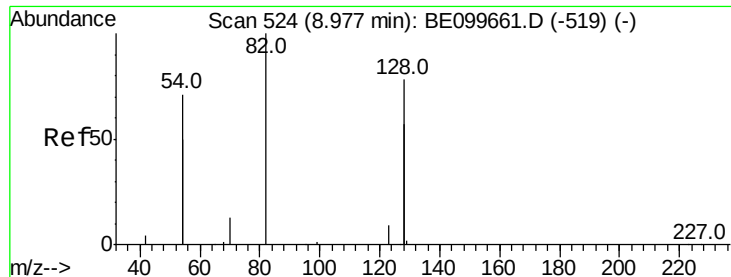
Abundance Ion 136.00 (135.70 to 136.70): E

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

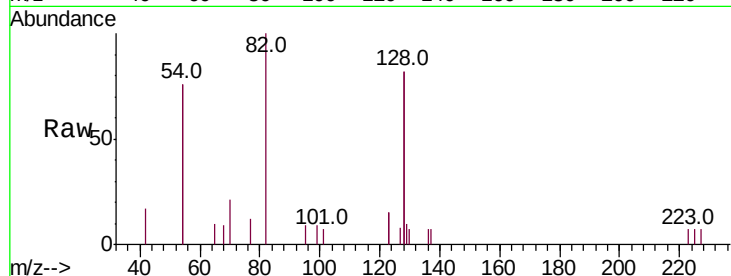




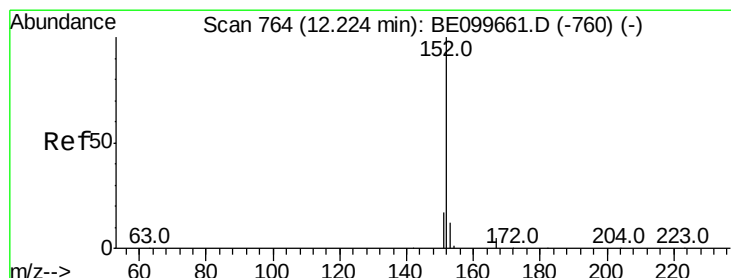
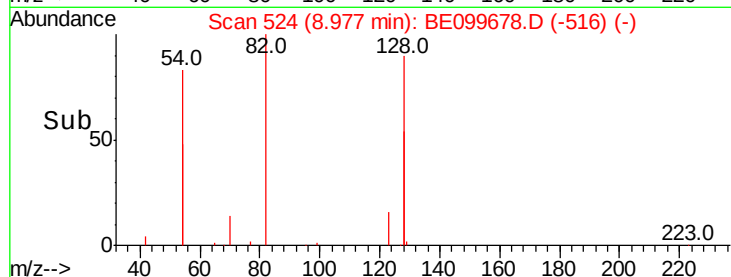
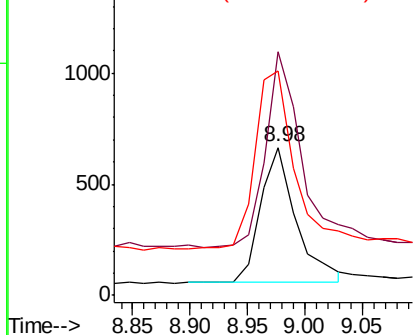
#8
 Nitrobenzene-d5
 Concen: 0.310 ng
 RT: 8.98 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: BE099678.D
 Acq: 21 May 2019 1:56

Instrument :
 BNA_E
 ClientSampleId :
 FESB-10(8-8.5)

Tot Ion	82	Resp	1337
Ion Ratio	Lower	Upper	
82	100		
128	164.6	117.7	176.5
54	151.7	106.6	160.0

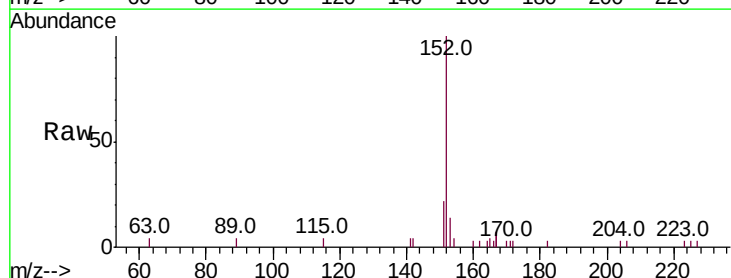


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BE0

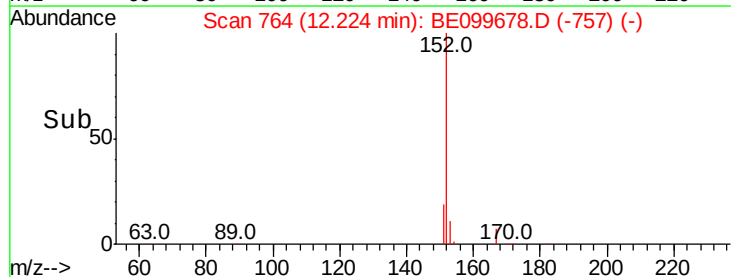
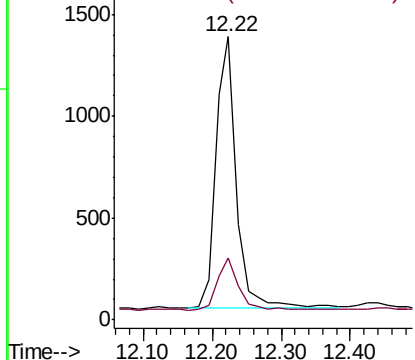


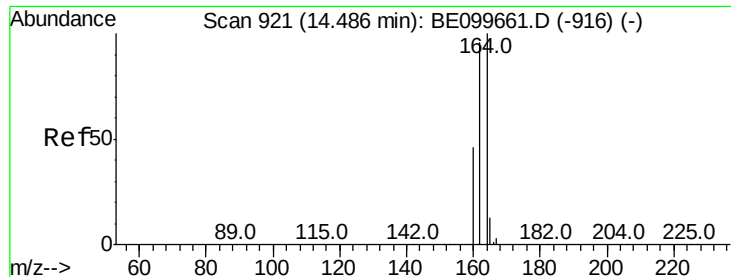
#11
 2-Methylnaphthalene-d10
 Concen: 0.319 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099678.D
 Acq: 21 May 2019 1:56

Tgt Ion	152	Resp	2737
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
152	100		
151	20.0	15.0	22.4



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E

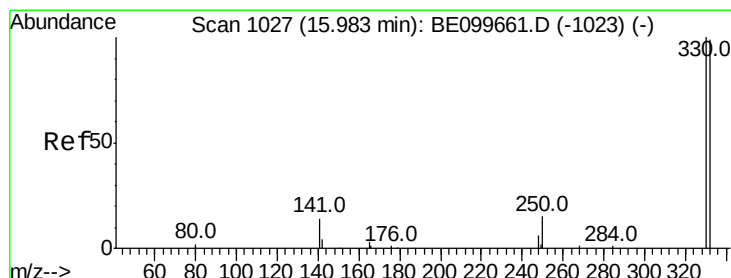
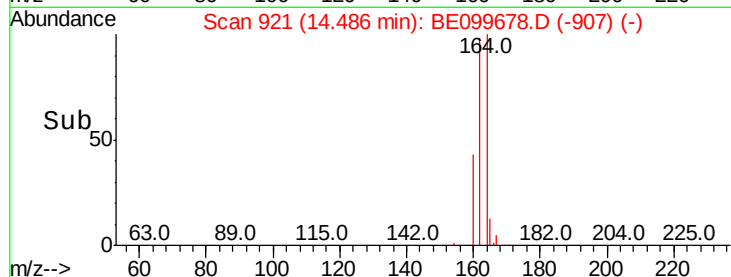
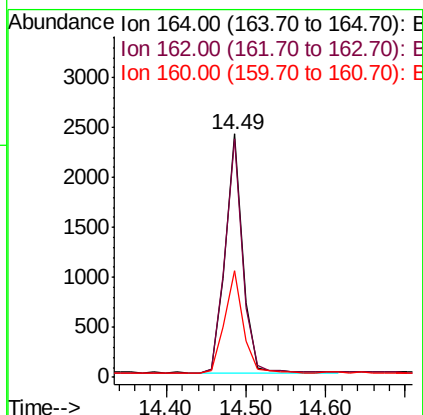
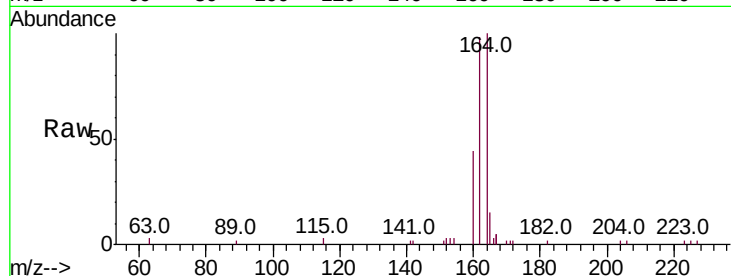




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099678.D
Acq: 21 May 2019 1:56

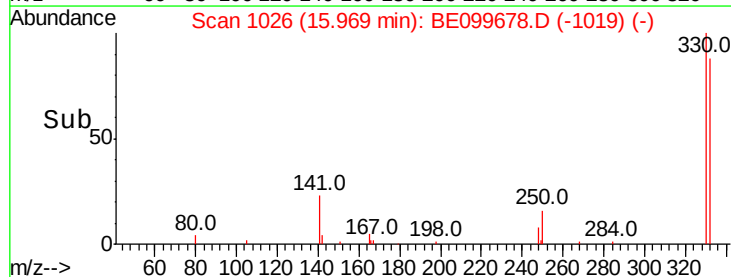
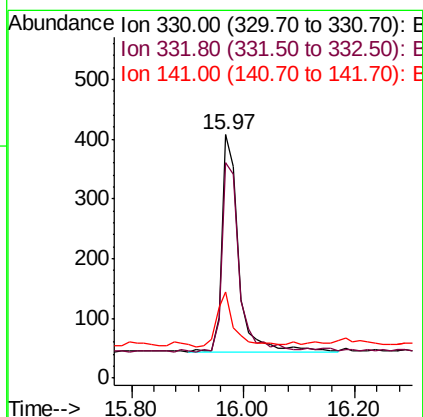
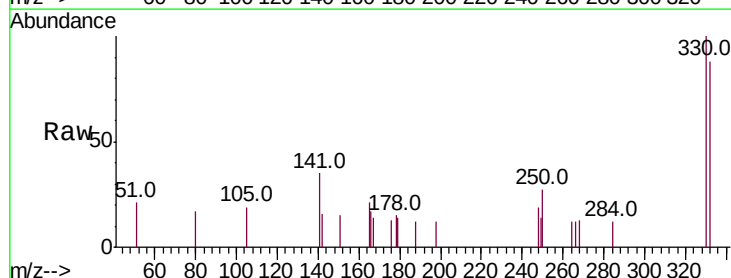
Instrument :
BNA_E
ClientSampleId :
FESB-10(8-8.5)

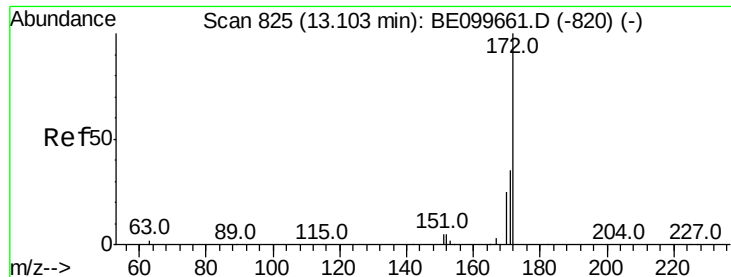
Tot Ion:164 Resp: 3614
Ion Ratio Lower Upper
164 100
162 98.0 76.5 114.7
160 44.1 37.4 56.2



#14
2,4,6-Tribromophenol
Concen: 0.411 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099678.D
Acq: 21 May 2019 1:56

Tgt Ion:330 Resp: 770
Ion Ratio Lower Upper
330 100
332 90.1 77.3 115.9
141 27.1 18.9 28.3

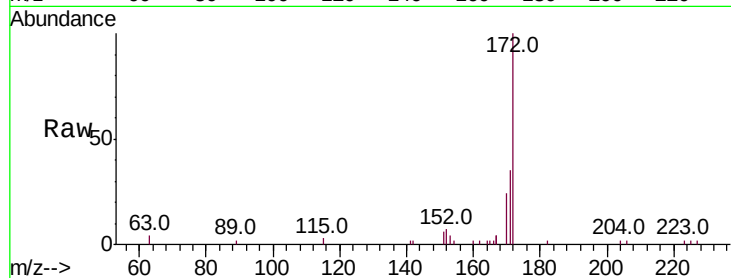




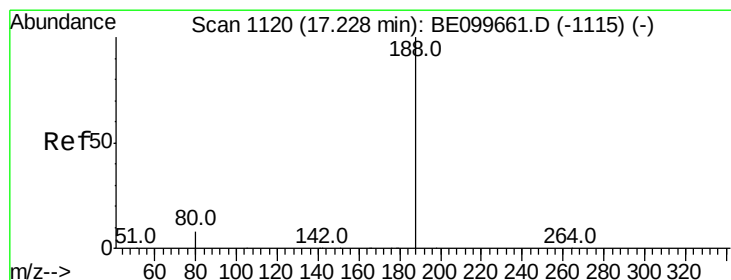
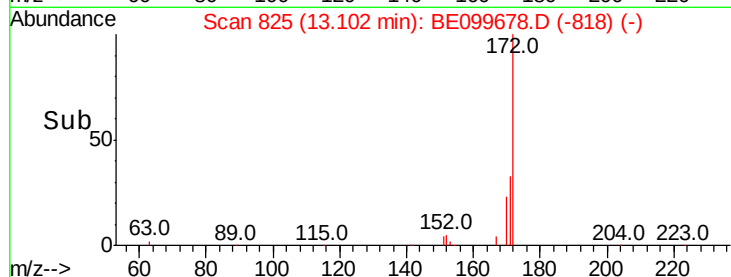
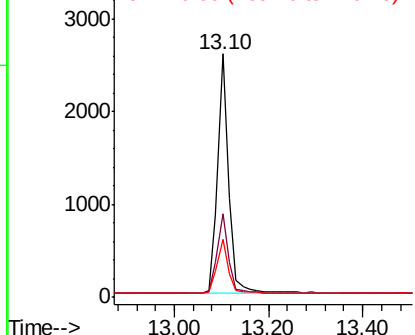
#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099678.D
Acq: 21 May 2019 1:56

Instrument :
BNA_E
ClientSampleId :
FESB-10(8-8.5)

Tot Ion:172 Resp: 4205
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 24.0 20.9 31.3

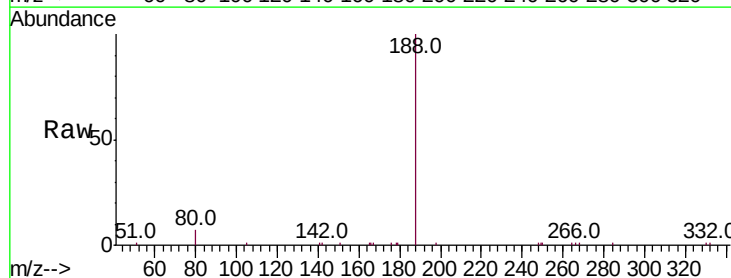


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

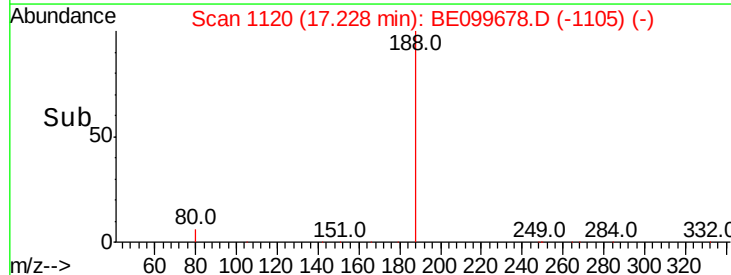
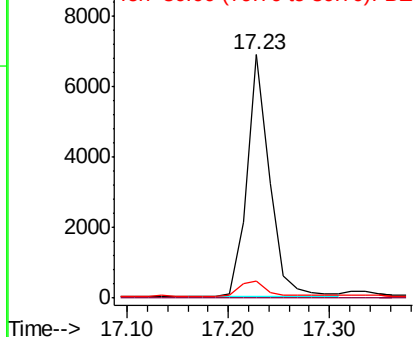


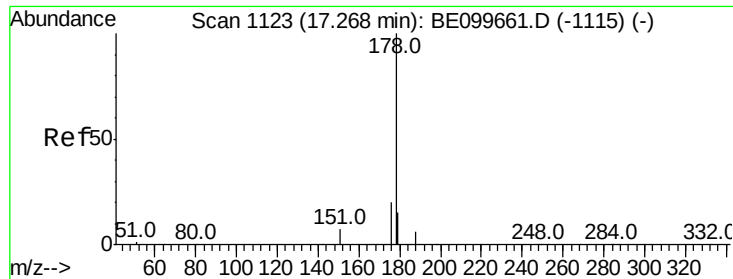
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099678.D
Acq: 21 May 2019 1:56

Tgt Ion:188 Resp: 10701
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.3 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





#23

Phenanthrene

Concen: 0.038 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099678.D

Acq: 21 May 2019 1:56

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

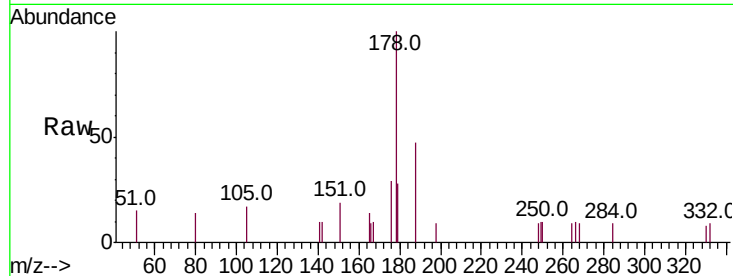
Tot Ion:178 Resp: 985

Ion Ratio Lower Upper

178 100

176 23.4 15.6 23.4

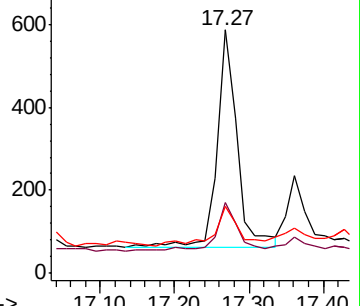
179 24.1 12.2 18.4#



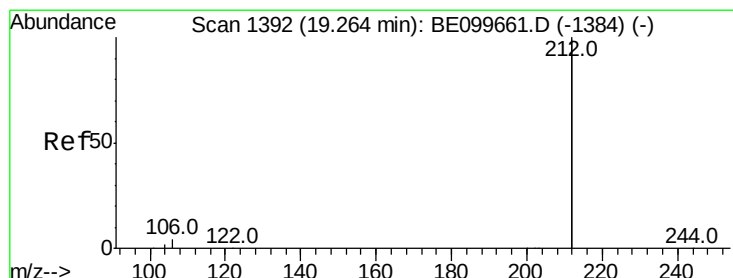
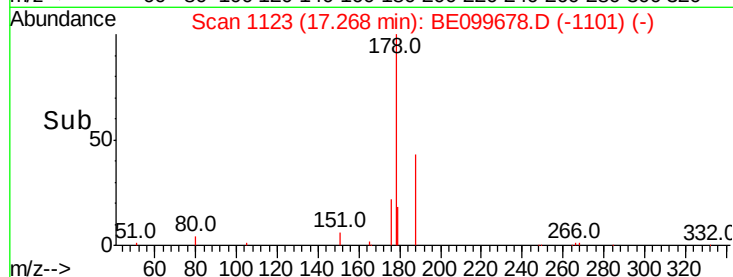
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.299 ng

RT: 19.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099678.D

Acq: 21 May 2019 1:56

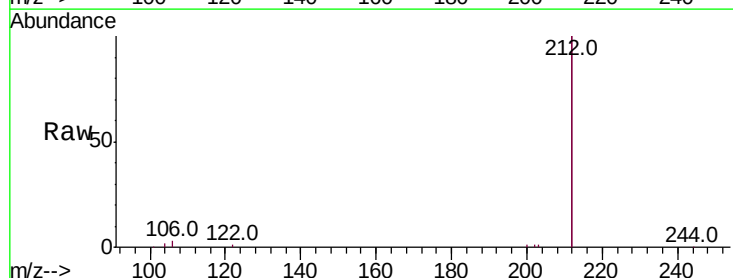
Tgt Ion:212 Resp: 43656

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

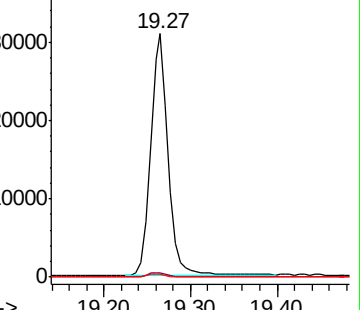
104 1.1 0.8 1.2



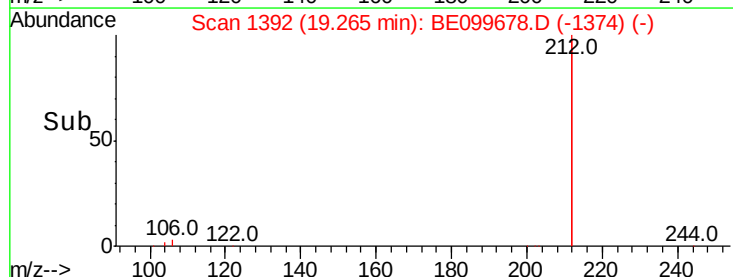
Abundance Ion 212.00 (211.70 to 212.70): E

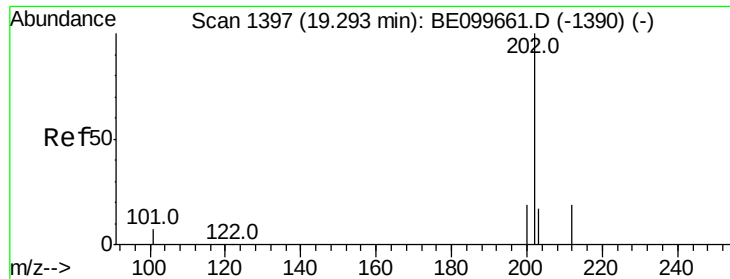
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

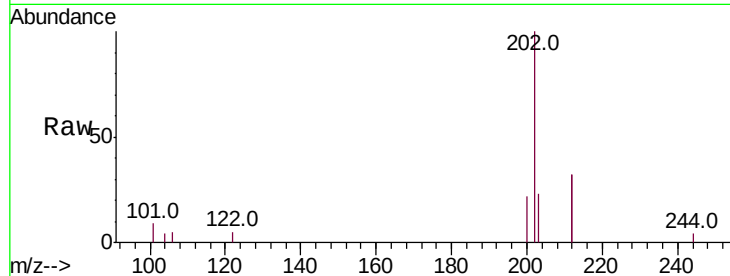




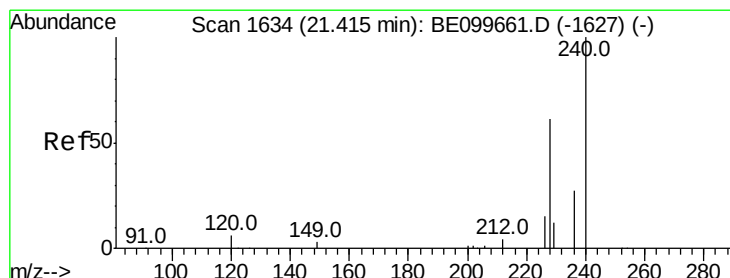
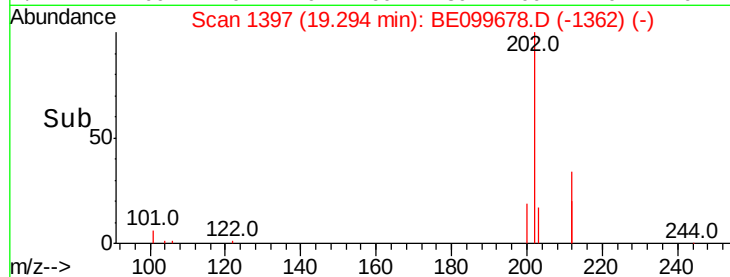
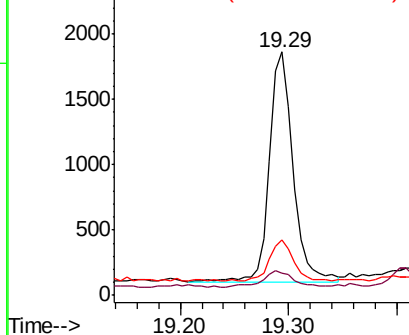
#26
Fluoranthene
Concen: 0.064 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BE099678.D
Acq: 21 May 2019 1:56

Instrument :
BNA_E
ClientSampleId :
FESB-10(8-8.5)

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.8	5.2	7.8#
203	18.3	13.8	20.6

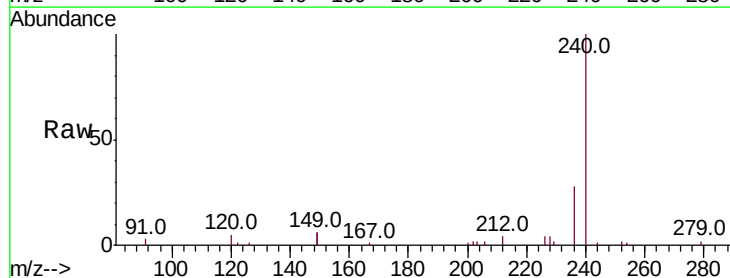


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

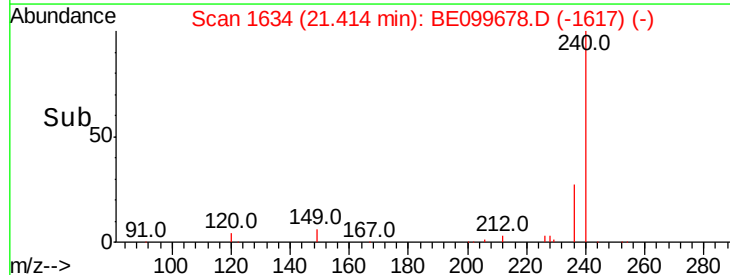
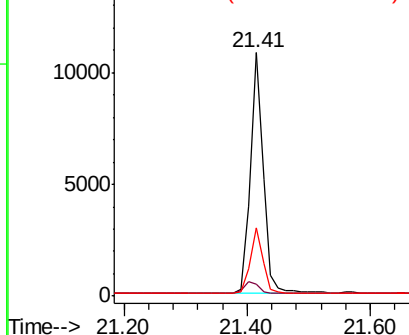


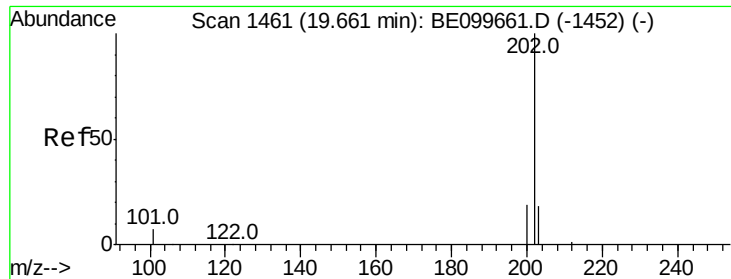
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099678.D
Acq: 21 May 2019 1:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.8	5.4	8.0#
236	28.2	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

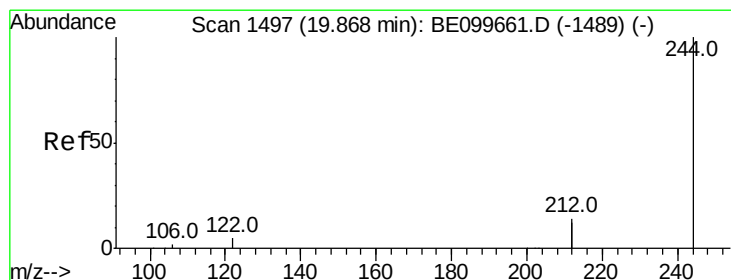
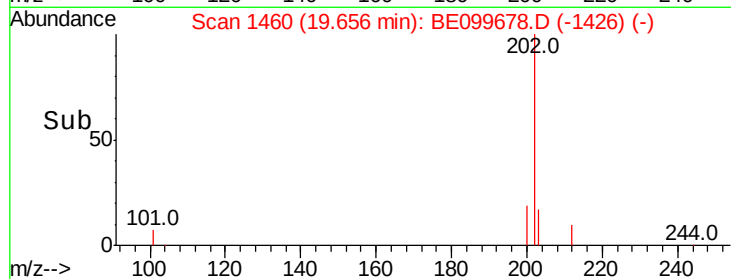
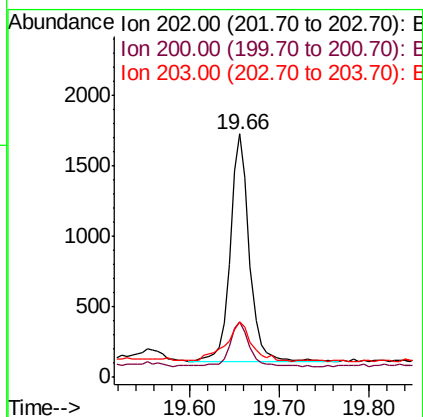
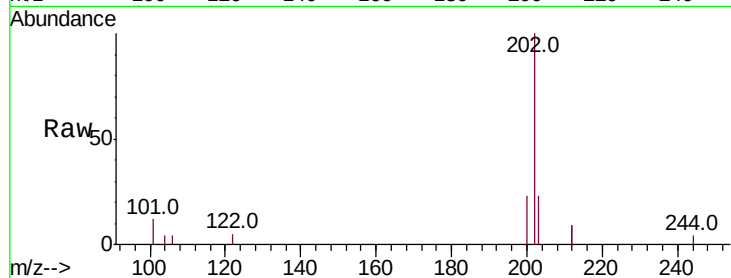




#28
Pvrene
Concen: 0.060 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BE099678.D
Acq: 21 May 2019 1:56

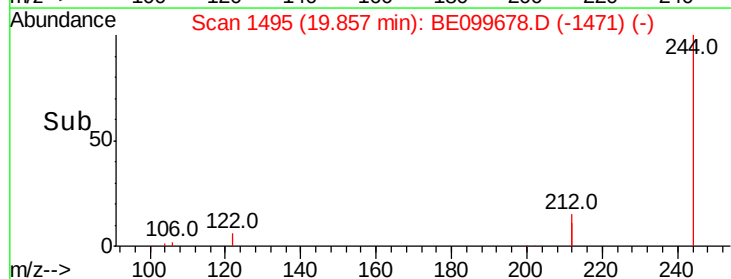
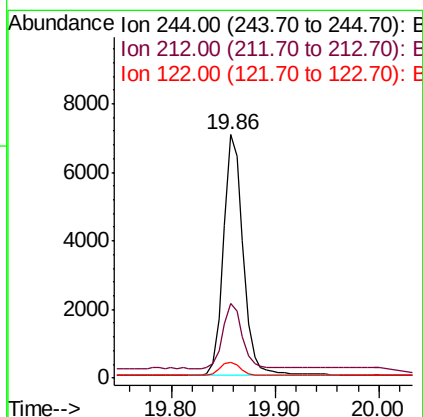
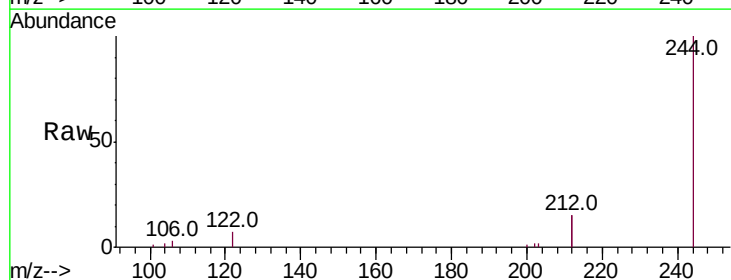
Instrument :
BNA_E
ClientSampleId :
FESB-10(8-8.5)

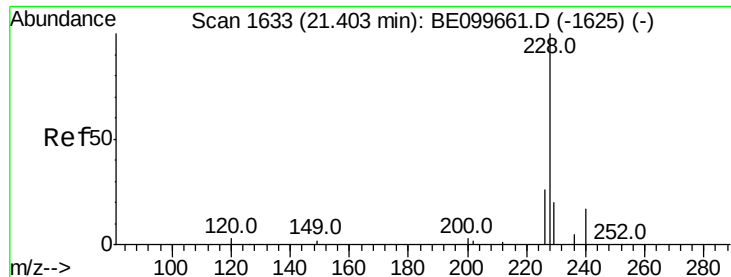
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.4	23.2
203	23.5	13.8	20.8



#29
Terphenyl-d14
Concen: 0.331 ng
RT: 19.86 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BE099678.D
Acq: 21 May 2019 1:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	30.7	22.5	33.7
122	6.7	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: BE099678.D

Acq: 21 May 2019 1:56

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

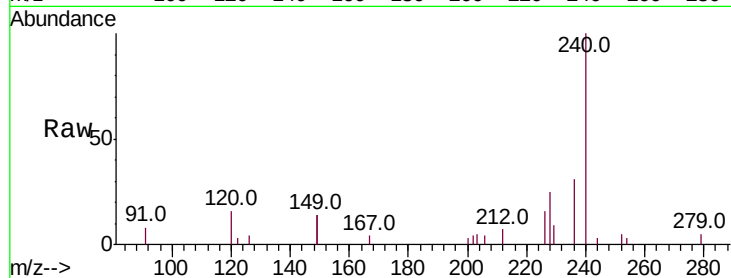
Tot Ion:228 Resp: 1833

Ion Ratio Lower Upper

228 100

226 62.9 21.3 31.9#

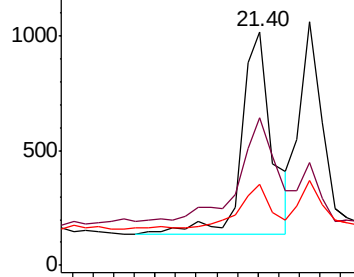
229 34.7 16.1 24.1#



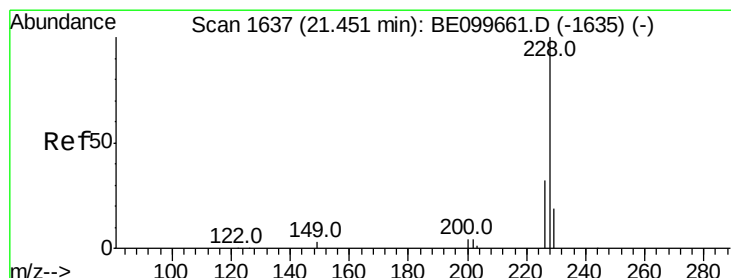
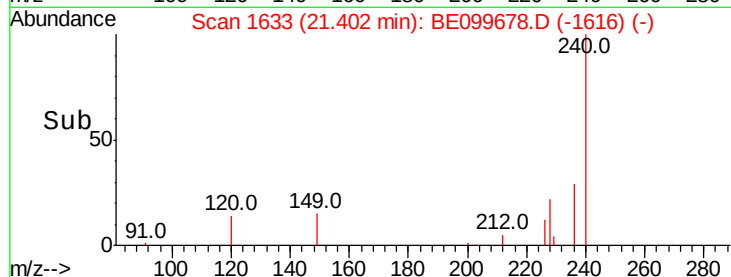
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#31

Chrysene

Concen: 0.027 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099678.D

Acq: 21 May 2019 1:56

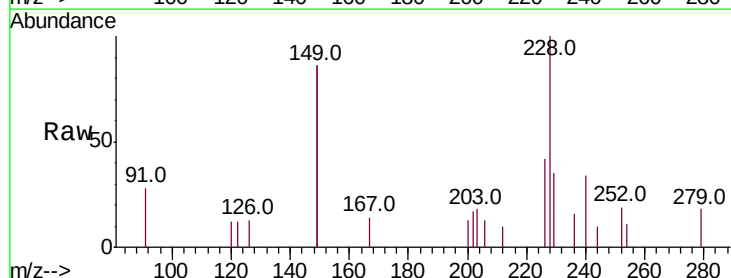
Tgt Ion:228 Resp: 1275

Ion Ratio Lower Upper

228 100

226 42.1 24.7 37.1#

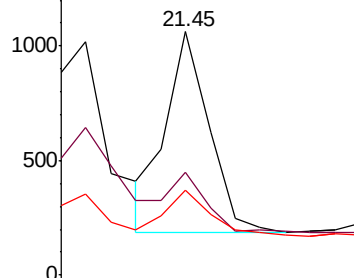
229 34.7 15.8 23.6#



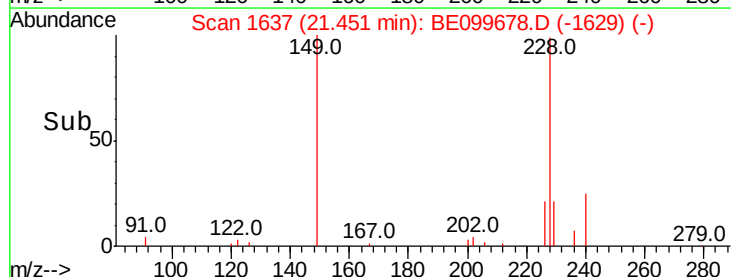
Abundance Ion 228.00 (227.70 to 228.70): E

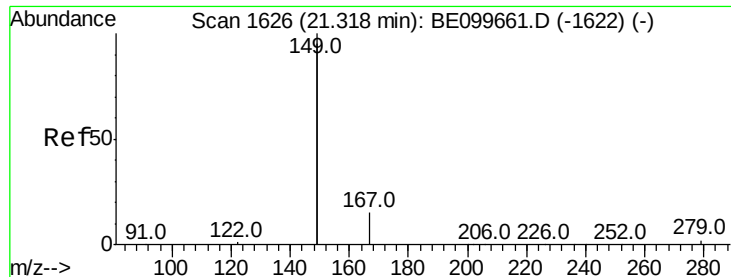
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

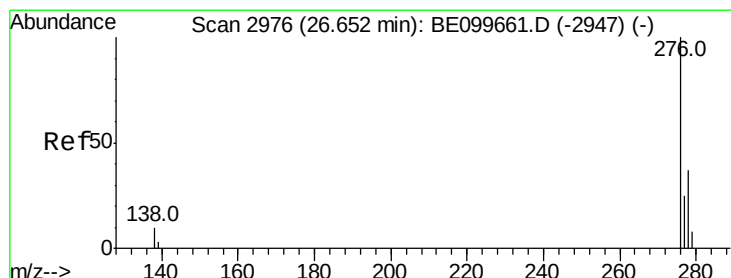
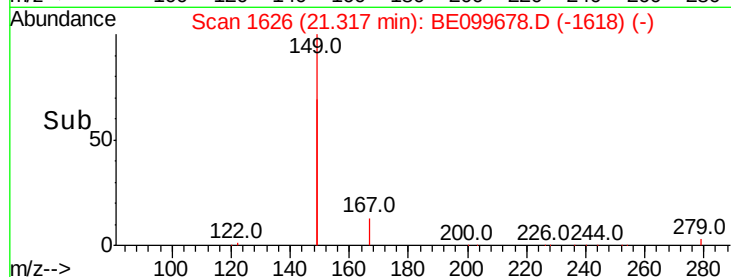
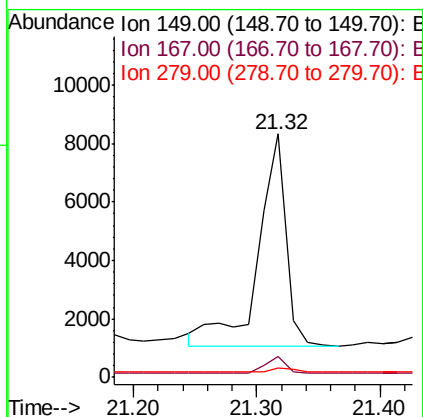
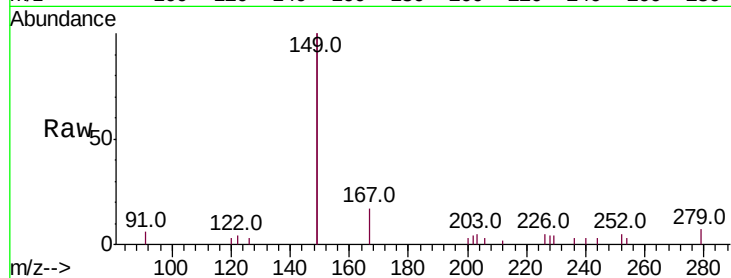




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.224 ng
 RT: 21.32 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: BE099678.D
 Acq: 21 May 2019 1:56

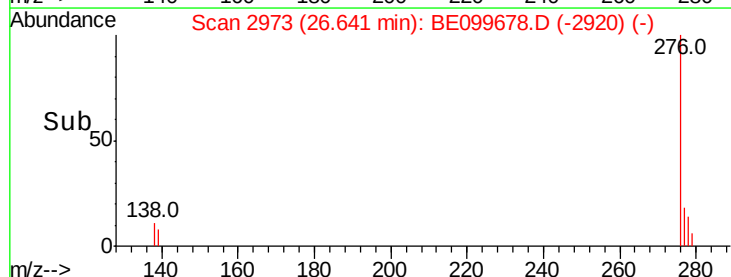
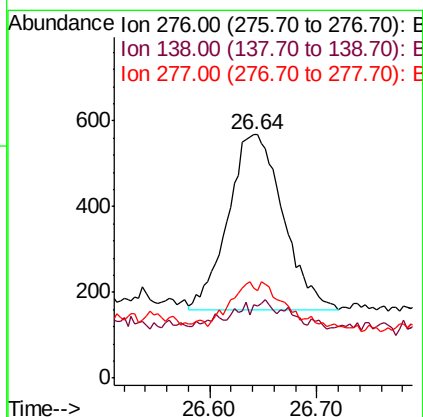
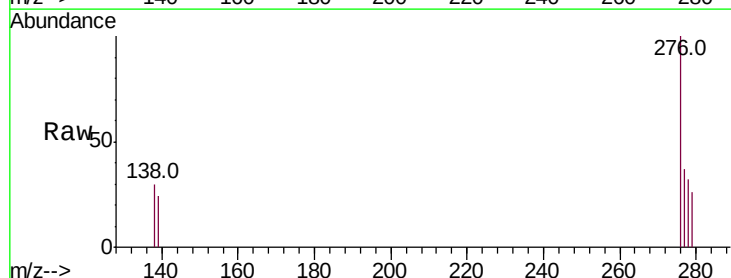
Instrument :
 BNA_E
 ClientSampleId :
 FESB-10(8-8.5)

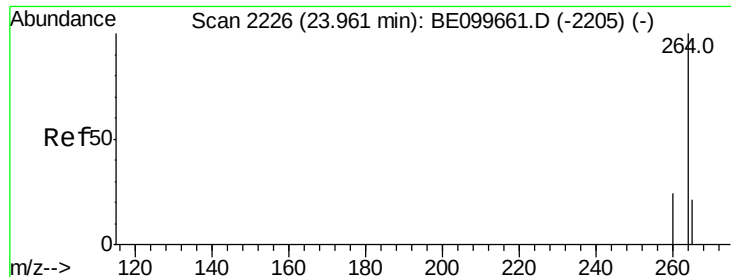
Tot Ion:149 Resp: 11545
 Ion Ratio Lower Upper
 149 100
 167 6.2 6.2 9.4#
 279 2.3 1.2 1.8#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.025 ng
 RT: 26.64 min Scan# 2973
 Delta R.T. -0.01 min
 Lab File: BE099678.D
 Acq: 21 May 2019 1:56

Tgt Ion:276 Resp: 1463
 Ion Ratio Lower Upper
 276 100
 138 1.9 9.6 14.4#
 277 12.2 19.2 28.8#

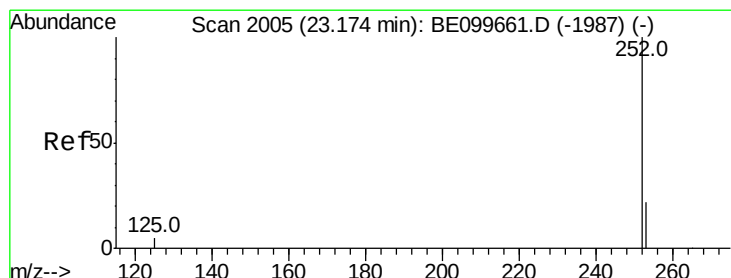
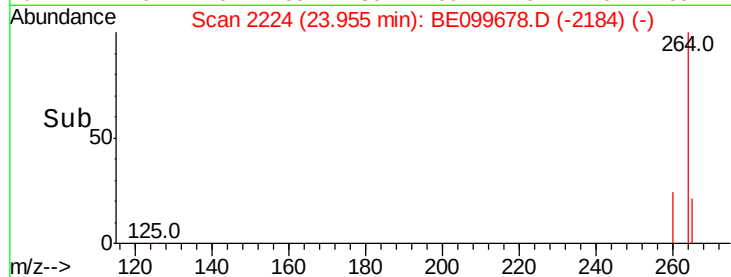
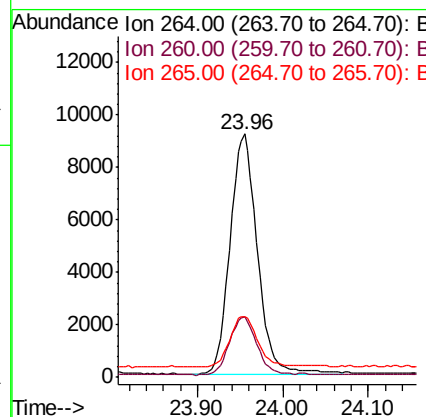
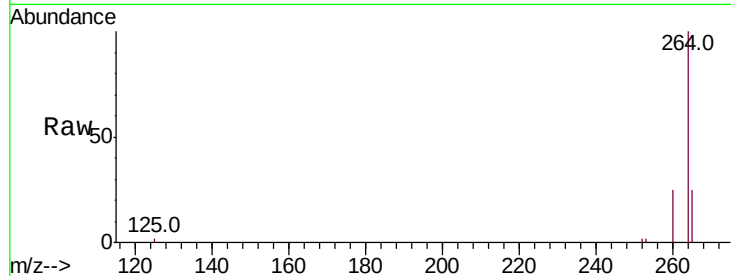




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BE099678.D
Acq: 21 May 2019 1:56

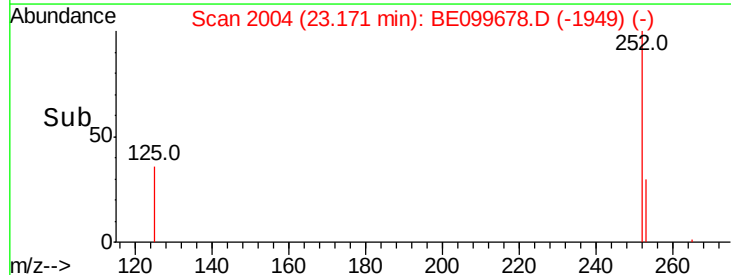
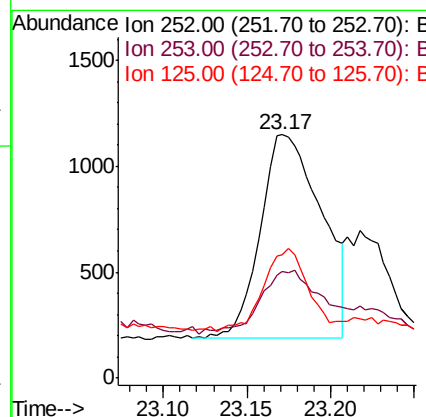
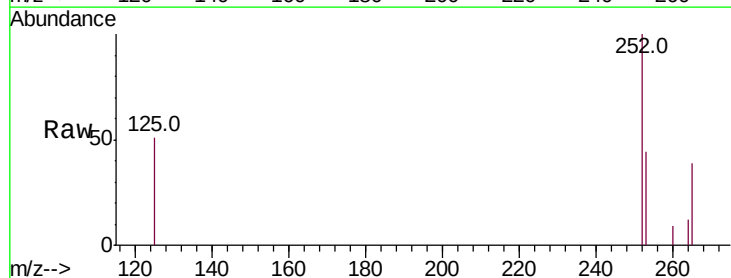
Instrument :
BNA_E
ClientSampleId :
FESB-10(8-8.5)

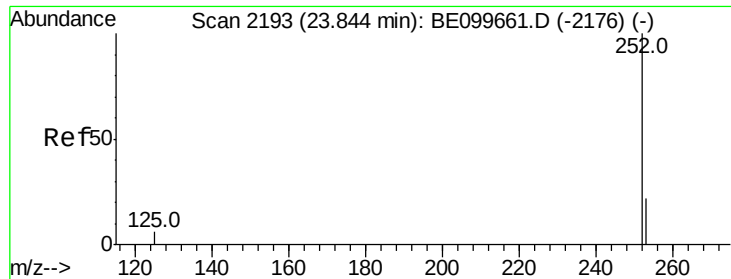
Tot Ion:264 Resp: 20370
Ion Ratio Lower Upper
264 100
260 24.9 19.6 29.4
265 24.7 19.1 28.7



#35
Benzo(b)fluoranthene
Concen: 0.044 ng
RT: 23.17 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BE099678.D
Acq: 21 May 2019 1:56

Tgt Ion:252 Resp: 2465
Ion Ratio Lower Upper
252 100
253 44.0 18.2 27.4#
125 50.8 4.5 6.7#





#37

Benzo(a)pyrene

Concen: 0.031 ng

RT: 23.84 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BE099678.D

Acq: 21 May 2019 1:56

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

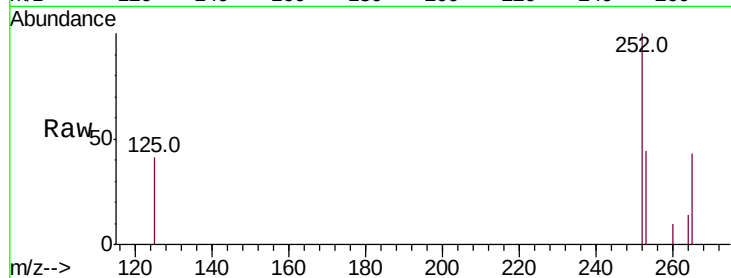
Tot Ion:252 Resp: 1677

Ion Ratio Lower Upper

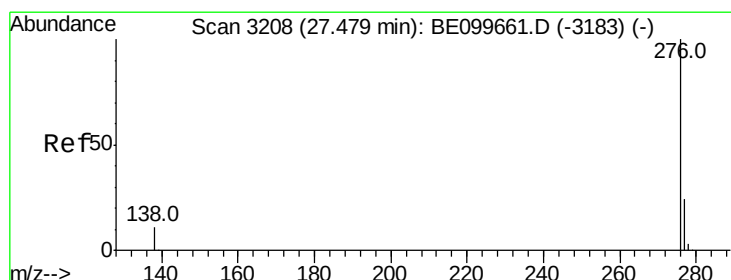
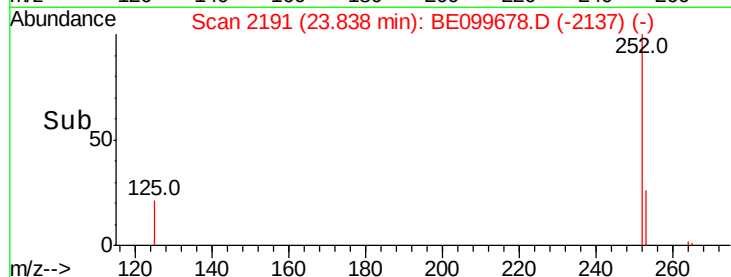
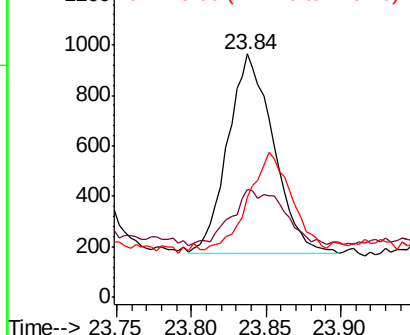
252 100

253 44.1 18.9 28.3#

125 41.2 5.4 8.0#



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



#39

Benzo(g,h,i)perylene

Concen: 0.023 ng

RT: 27.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE099678.D

Acq: 21 May 2019 1:56

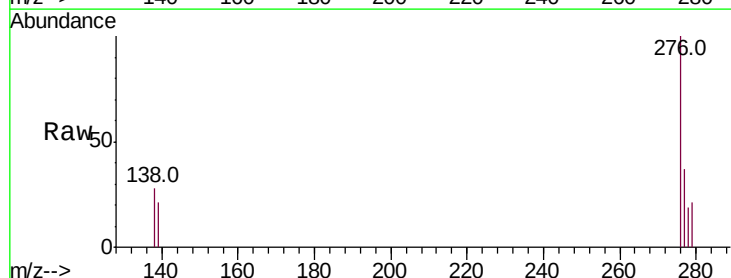
Tgt Ion:276 Resp: 1321

Ion Ratio Lower Upper

276 100

277 37.0 19.8 29.6#

138 28.5 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

