

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
 Data File : BE099679.D
 Acq On : 21 May 2019 2:32
 Operator : JU/SJ
 Sample : K2944-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-2(14.5-15)

Quant Time: May 21 07:33:09 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	1494	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5186	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3829	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11001	0.40	ng	0.00
27) Chrysene-d12	21.41	240	16034	0.40	ng	0.00
34) Perylene-d12	23.96	264	20174	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1173	0.31	ng	0.00
5) Phenol-d6	6.98	99	1667	0.33	ng	0.00
8) Nitrobenzene-d5	8.98	82	1238	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2589	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	598	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	3953	0.27	ng	0.00
25) Fluoranthene-d10	19.26	212	42152	0.28	ng	0.00
29) Terphenyl-d14	19.86	244	9321	0.33	ng	0.00

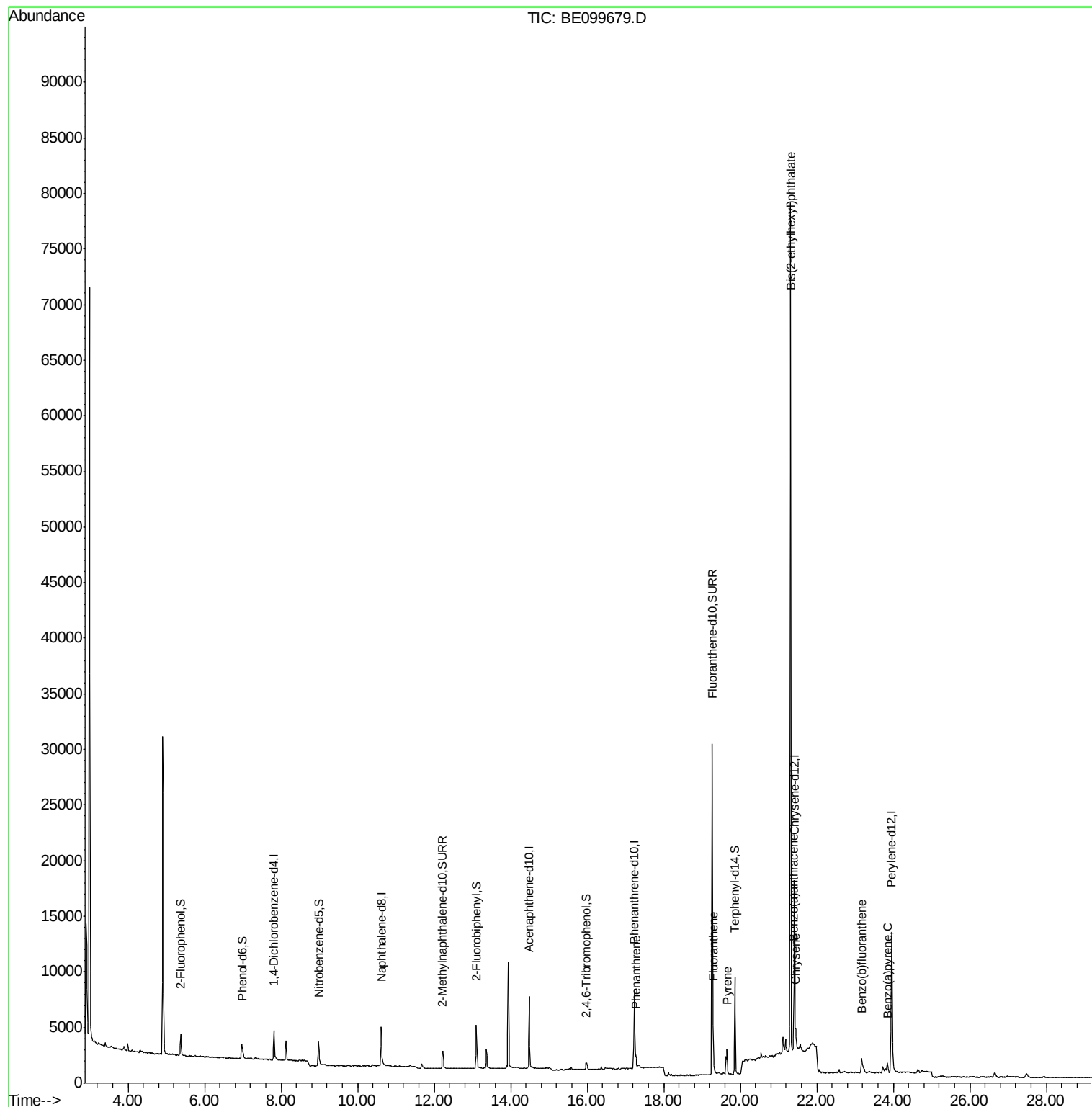
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.27	178	1324	0.049	ng	97
26) Fluoranthene	19.29	202	2814	0.066	ng	# 96
28) Pyrene	19.65	202	2337	0.058	ng	# 91
30) Benzo(a)anthracene	21.40	228	1573	0.035	ng	# 72
31) Chrysene	21.45	228	1201	0.025	ng	# 82
32) Bis(2-ethylhexyl)phthalate	21.32	149	93593	1.782	ng	100
35) Benzo(b)fluoranthene	23.17	252	1885	0.034	ng	# 28
37) Benzo(a)pyrene	23.84	252	1339	0.025	ng	# 40

(#) = 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: BE099679.D

Acq: 21 May 2019 2:32

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

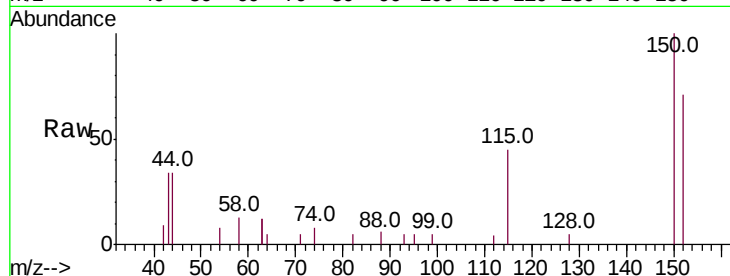
Tot Ion:152 Resp: 1494

Ion Ratio Lower Upper

152 100

150 141.6 109.2 163.8

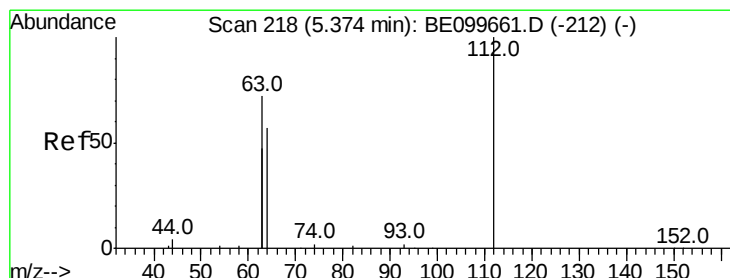
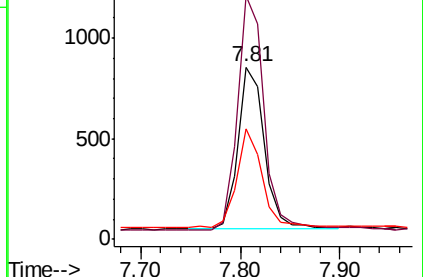
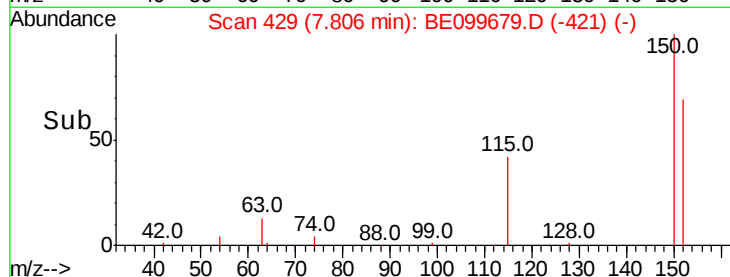
115 64.1 43.7 65.5



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: 0.311 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099679.D

Acq: 21 May 2019 2:32

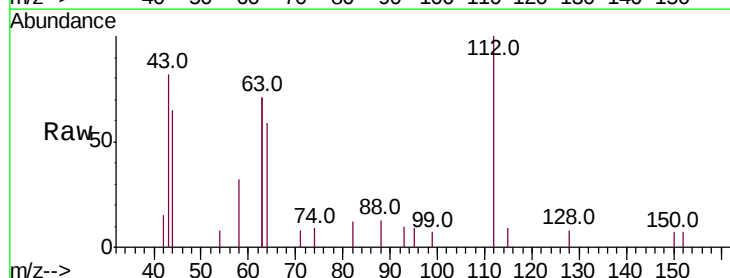
Tgt Ion:112 Resp: 1173

Ion Ratio Lower Upper

112 100

64 53.2 43.4 65.2

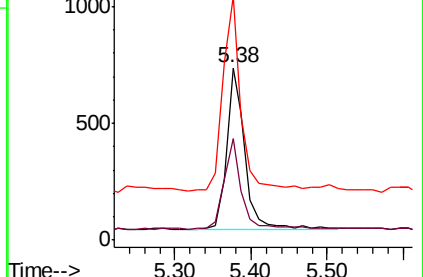
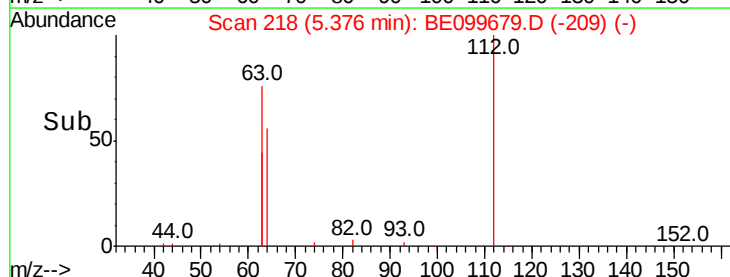
63 119.9 96.9 145.3

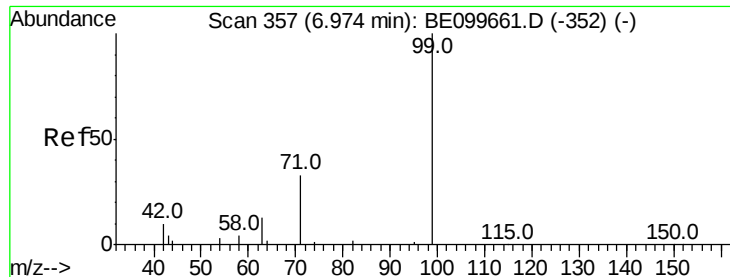


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.334 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099679.D

Acq: 21 May 2019 2:32

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

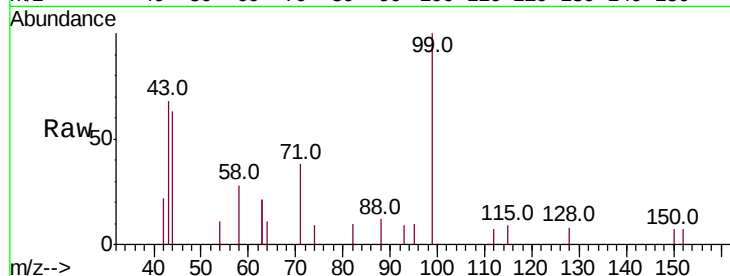
Tot Ion: 99 Resp: 1667

Ion Ratio Lower Upper

99 100

42 12.8 12.2 18.2

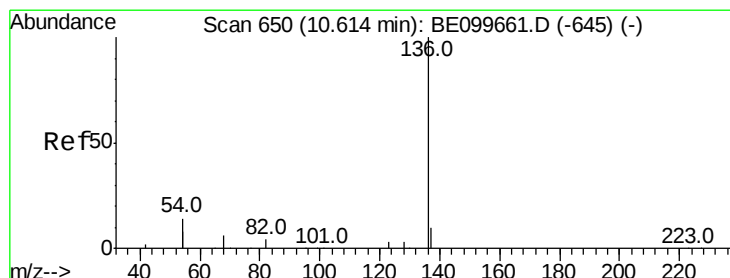
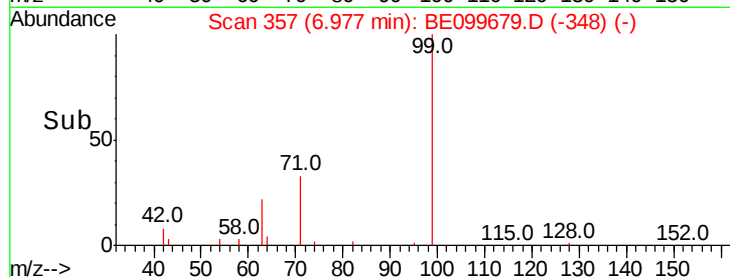
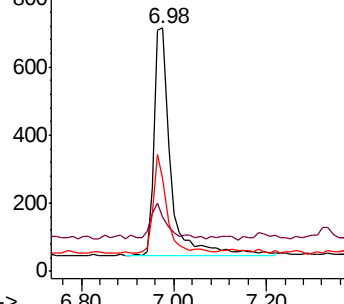
71 34.7 28.9 43.3



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: BE099679.D

Acq: 21 May 2019 2:32

Tgt Ion: 136 Resp: 5186

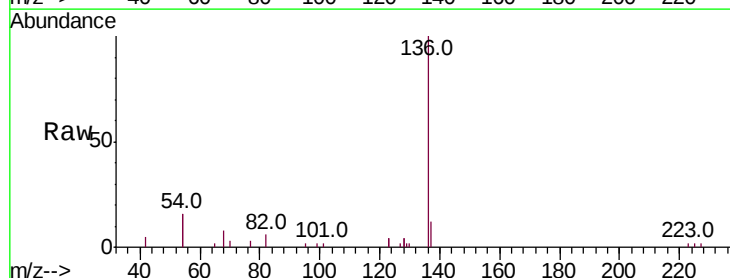
Ion Ratio Lower Upper

136 100

137 12.1 9.0 13.6

54 31.3 22.3 33.5

68 7.5 6.0 9.0

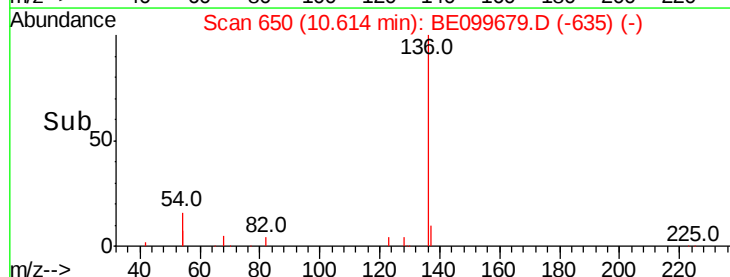
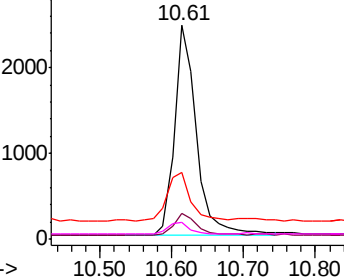


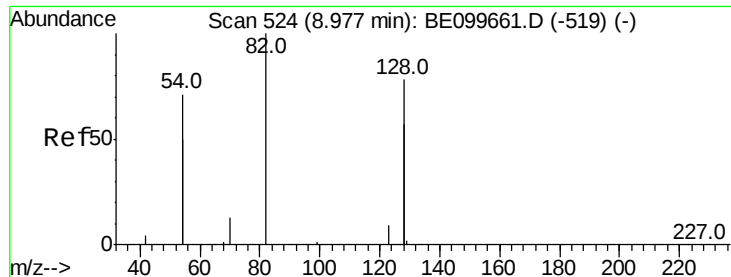
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.276 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099679.D

Acq: 21 May 2019 2:32

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

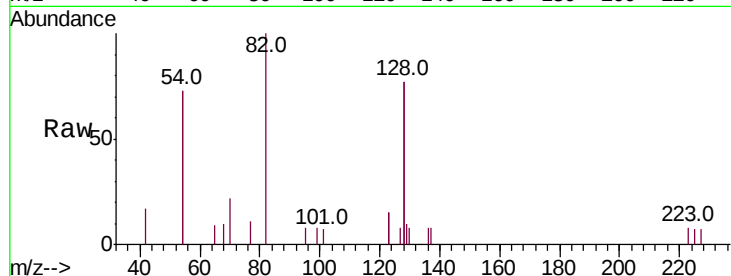
Tot Ion: 82 Resp: 1238

Ion Ratio Lower Upper

82 100

128 154.1 117.7 176.5

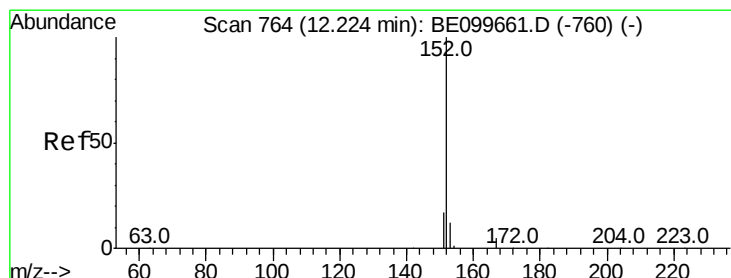
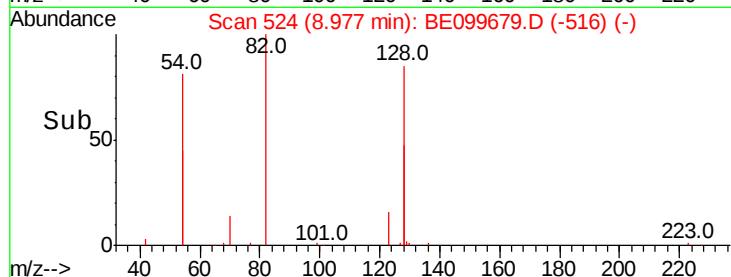
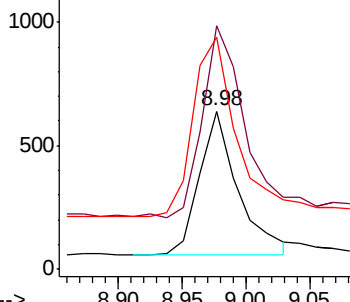
54 146.9 106.6 160.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.289 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099679.D

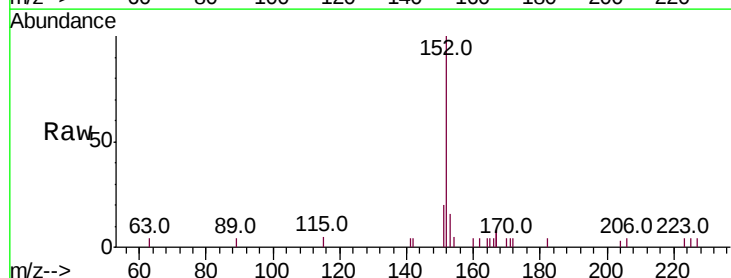
Acq: 21 May 2019 2:32

Tgt Ion:152 Resp: 2589

Ion Ratio Lower Upper

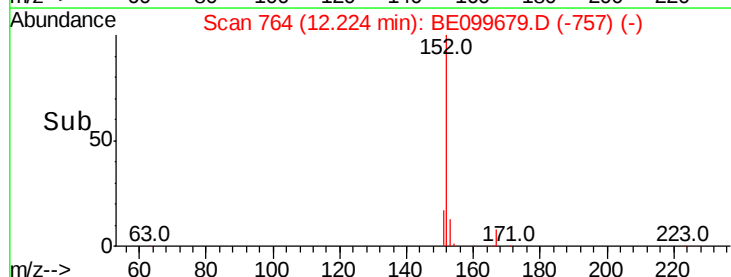
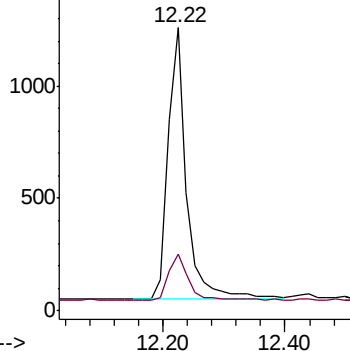
152 100

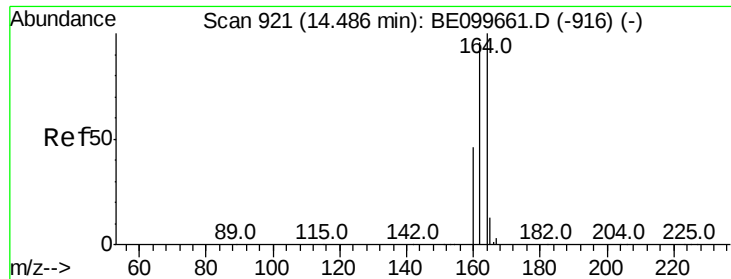
151 18.5 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

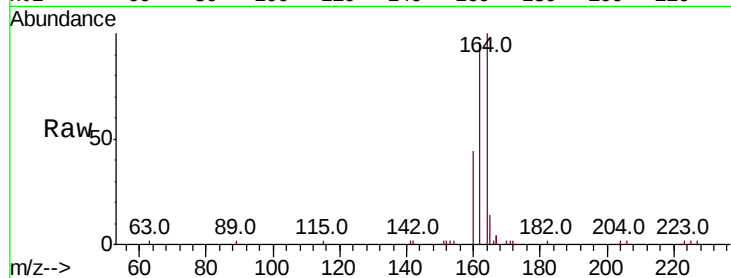




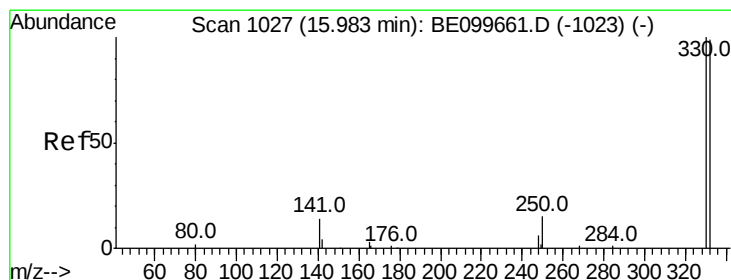
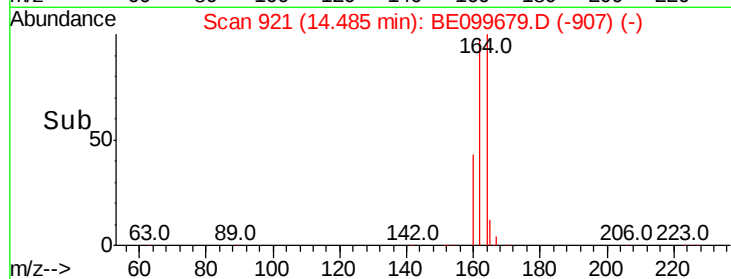
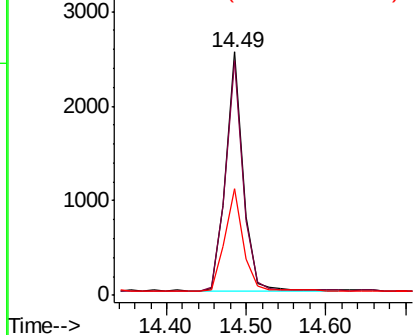
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099679.D
Acq: 21 May 2019 2:32

Instrument :
BNA_E
ClientSampleId :
FESB-2(14.5-15)

Tot Ion:164 Resp: 3829
Ion Ratio Lower Upper
164 100
162 96.5 76.5 114.7
160 43.9 37.4 56.2

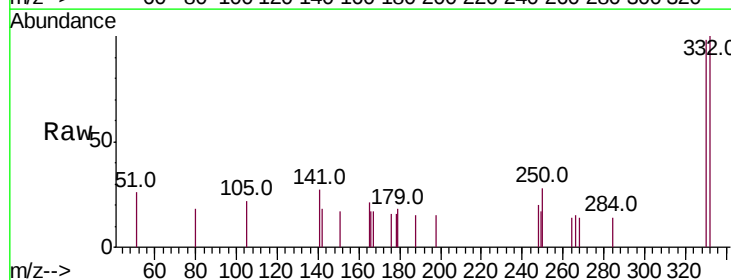


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

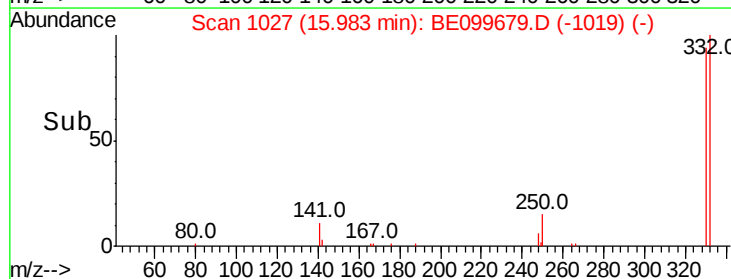
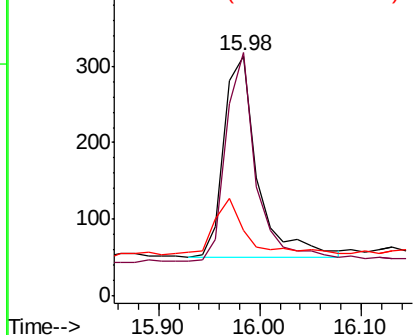


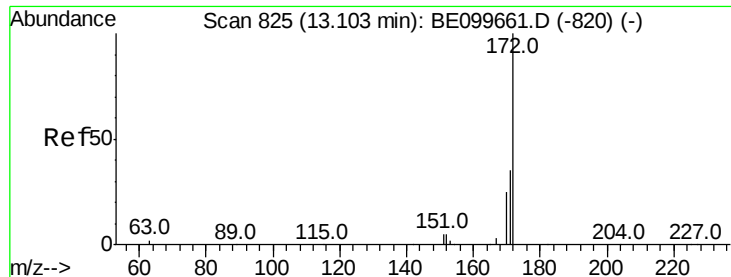
#14
2,4,6-Tribromophenol
Concen: 0.339 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099679.D
Acq: 21 May 2019 2:32

Tgt Ion:330 Resp: 598
Ion Ratio Lower Upper
330 100
332 98.5 77.3 115.9
141 27.3 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

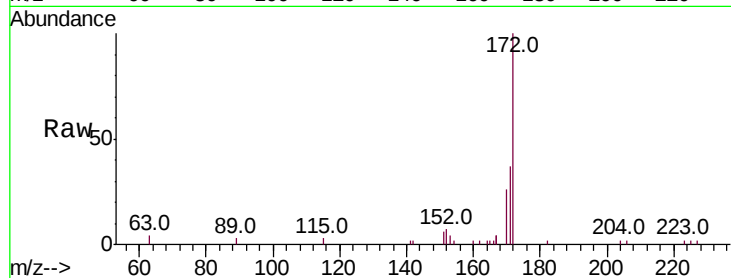




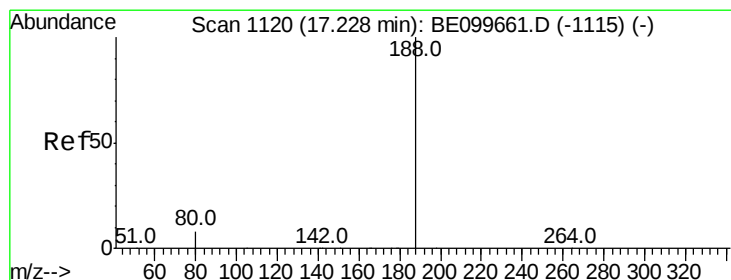
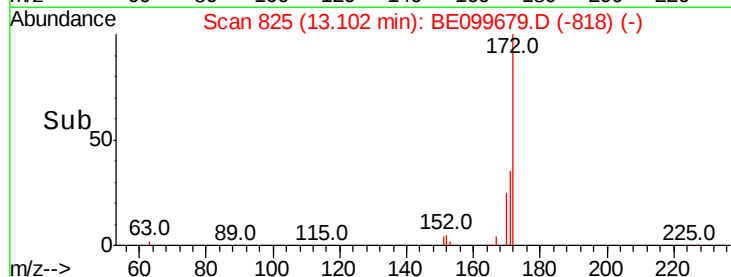
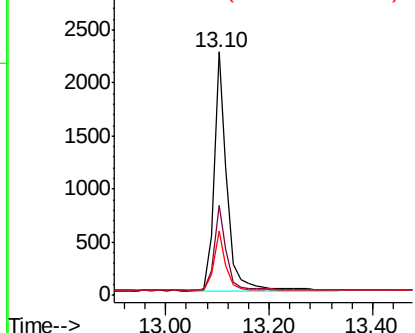
#15
 2-Fluorobiphenyl
 Concen: 0.272 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BE099679.D
 Acq: 21 May 2019 2:32

Instrument :
 BNA_E
 ClientSampleId :
 FESB-2(14.5-15)

Tot Ion:172 Resp: 3953
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.7 43.1
 170 26.3 20.9 31.3

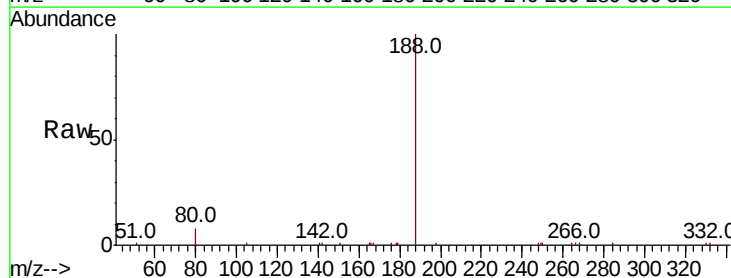


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

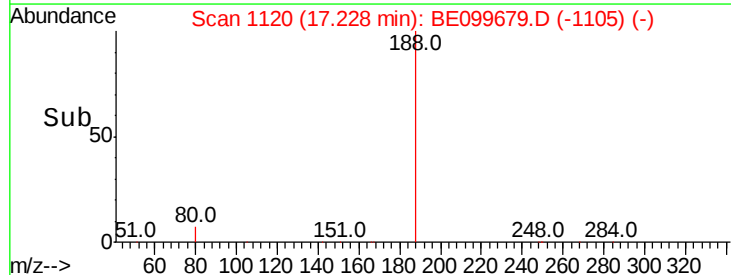
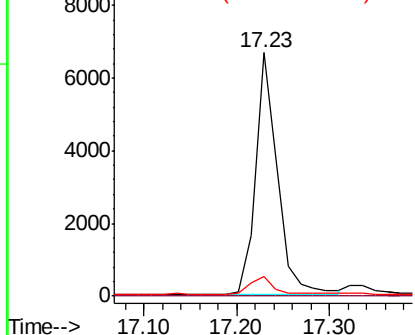


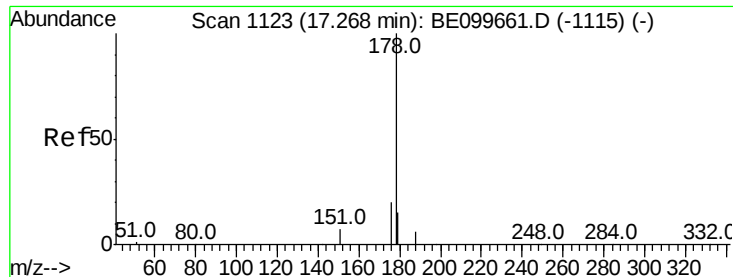
#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.23 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BE099679.D
 Acq: 21 May 2019 2:32

Tgt Ion:188 Resp: 11001
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 8.1 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: 0.049 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099679.D

Acq: 21 May 2019 2:32

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

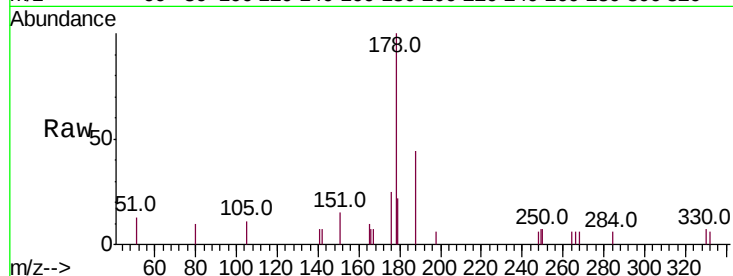
Tot Ion:178 Resp: 1324

Ion Ratio Lower Upper

178 100

176 20.9 15.6 23.4

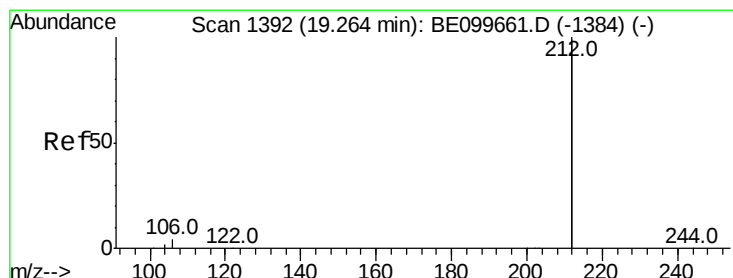
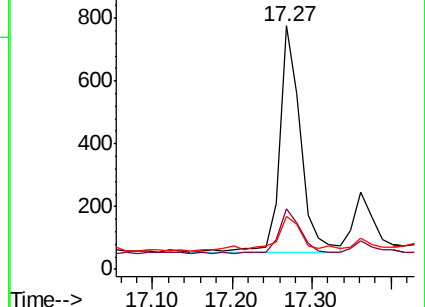
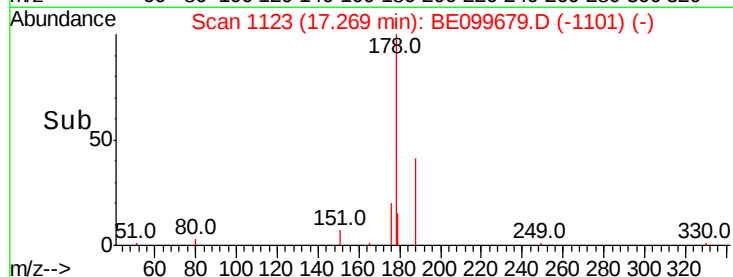
179 16.6 12.2 18.4



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: 0.280 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099679.D

Acq: 21 May 2019 2:32

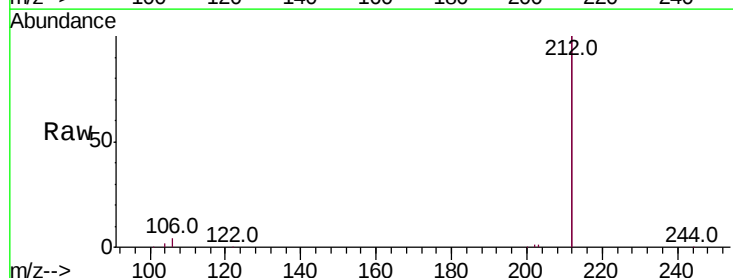
Tgt Ion:212 Resp: 42152

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

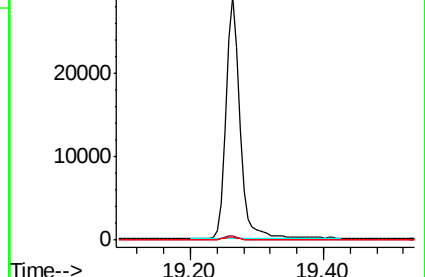
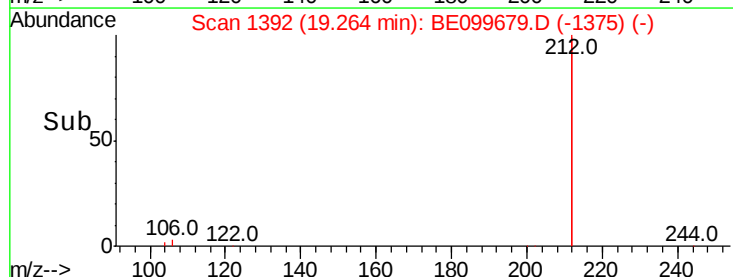
104 1.2 0.8 1.2

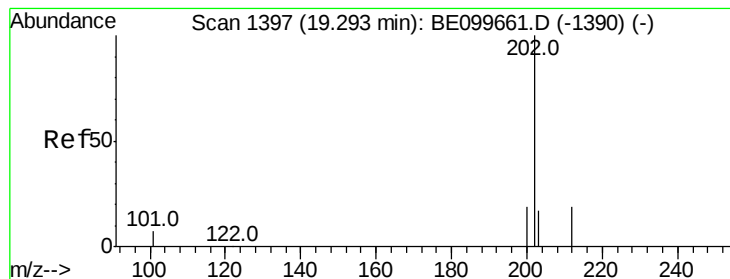


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.066 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099679.D

Acq: 21 May 2019 2:32

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

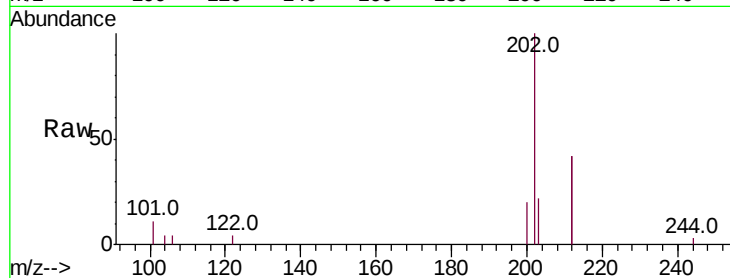
Tot Ion:202 Resp: 2814

Ion Ratio Lower Upper

202 100

101 9.4 5.2 7.8#

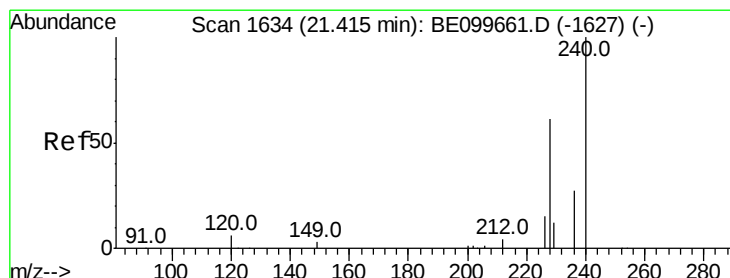
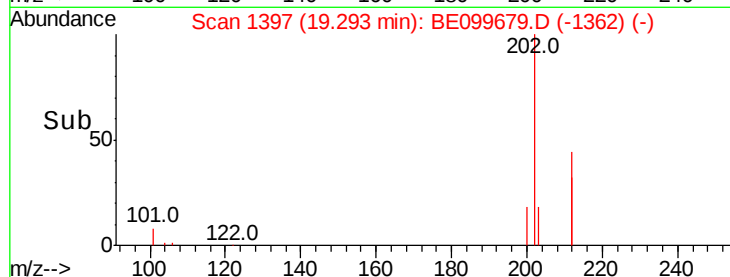
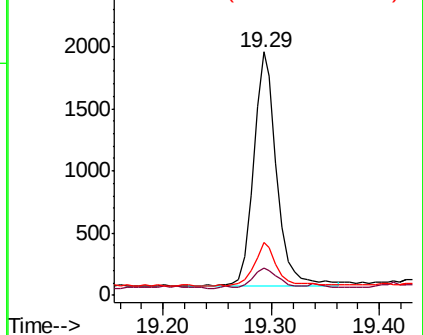
203 18.2 13.8 20.6



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: BE099679.D

Acq: 21 May 2019 2:32

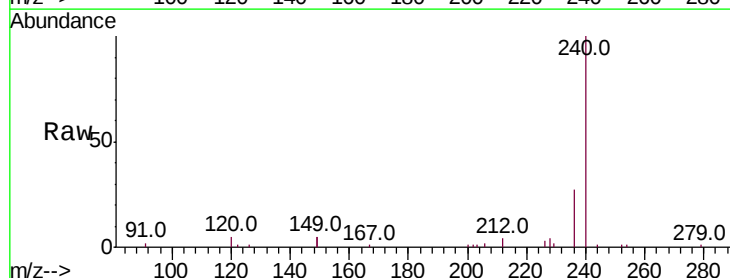
Tgt Ion:240 Resp: 16034

Ion Ratio Lower Upper

240 100

120 5.2 5.4 8.0#

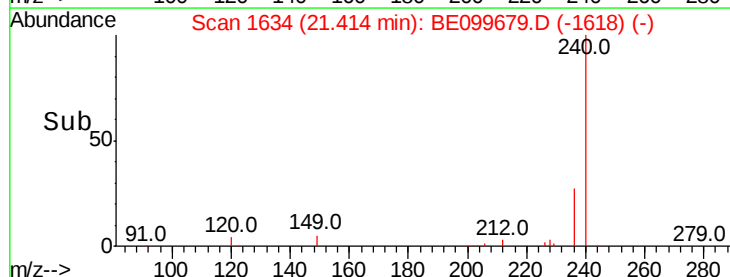
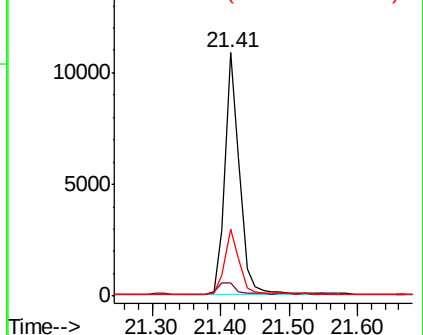
236 27.4 21.7 32.5

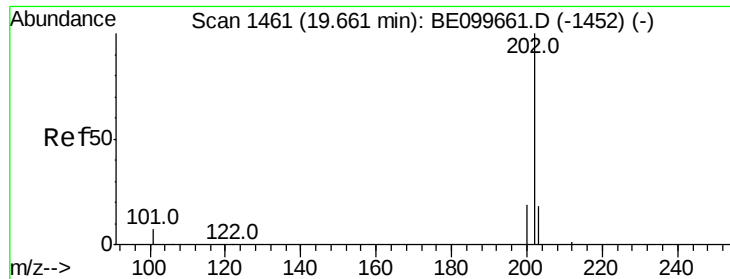


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

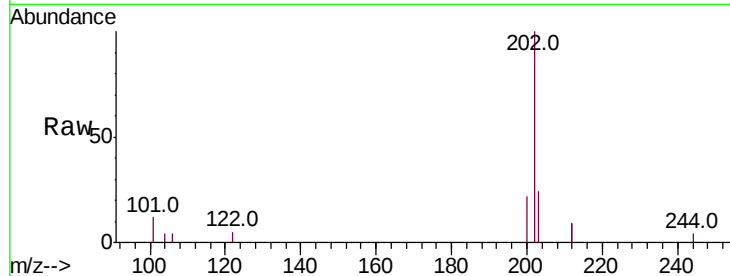




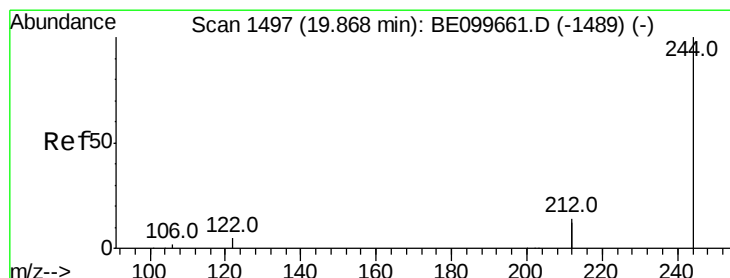
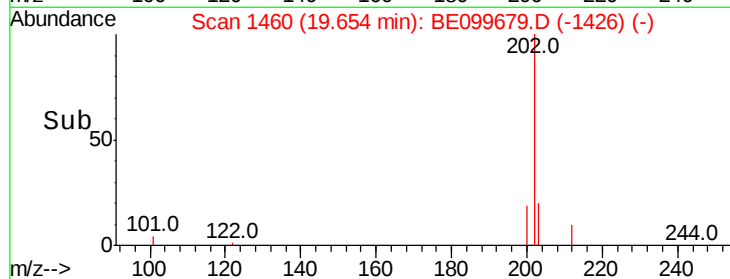
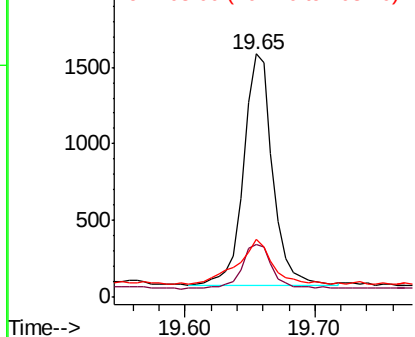
#28
Pvrene
Concen: 0.058 ng
RT: 19.65 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099679.D
Acq: 21 May 2019 2:32

Instrument :
BNA_E
ClientSampleId :
FESB-2(14.5-15)

Tot Ion:202 Resp: 2337
Ion Ratio Lower Upper
202 100
200 20.5 15.4 23.2
203 24.0 13.8 20.8#

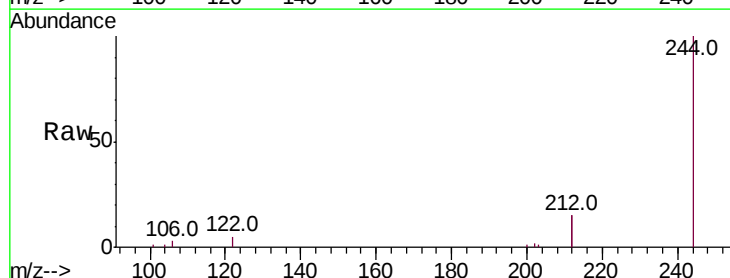


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

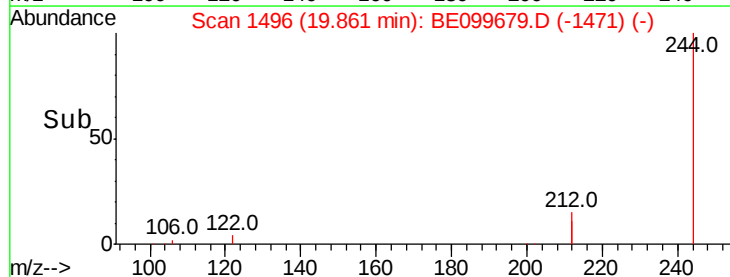
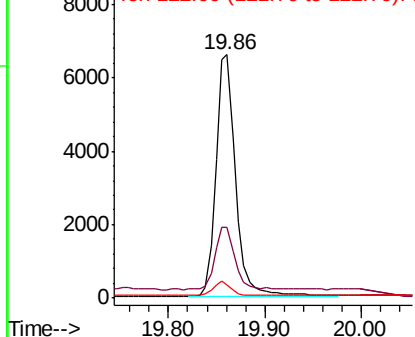


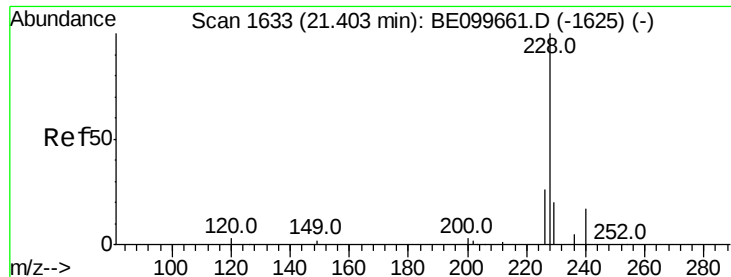
#29
Terphenyl-d14
Concen: 0.326 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.01 min
Lab File: BE099679.D
Acq: 21 May 2019 2:32

Tgt Ion:244 Resp: 9321
Ion Ratio Lower Upper
244 100
212 29.3 22.5 33.7
122 5.3 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: 0.035 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099679.D

Acq: 21 May 2019 2:32

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

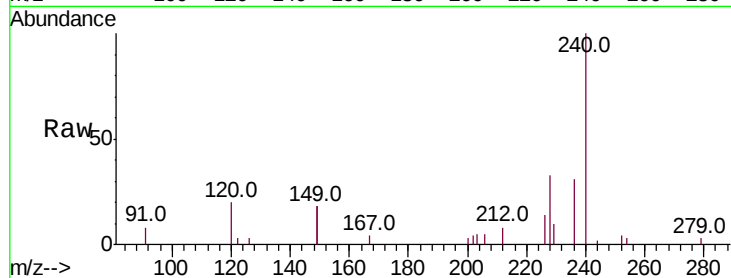
Tot Ion:228 Resp: 1573

Ion Ratio Lower Upper

228 100

226 42.1 21.3 31.9#

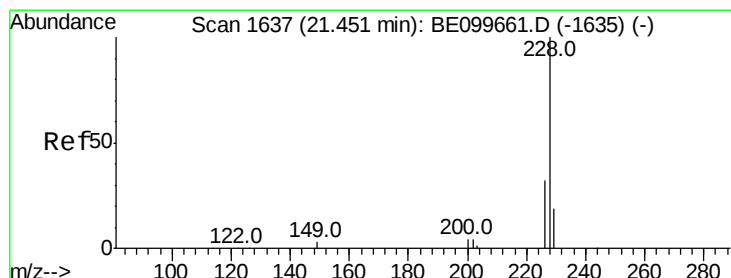
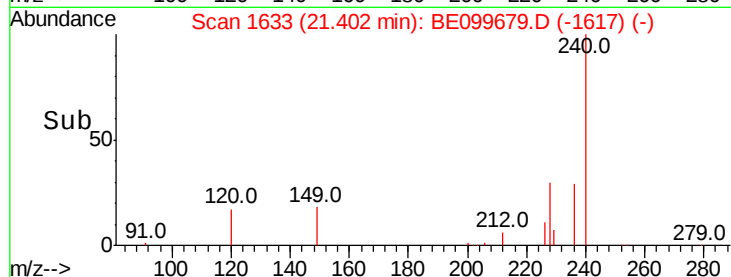
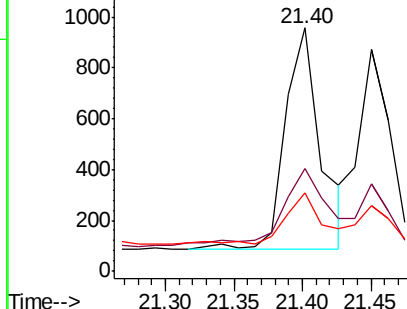
229 32.0 16.1 24.1#



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: 0.025 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099679.D

Acq: 21 May 2019 2:32

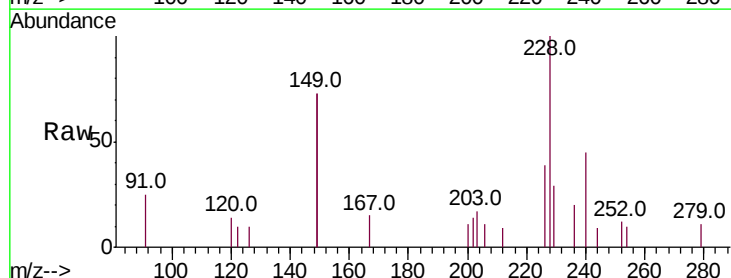
Tgt Ion:228 Resp: 1201

Ion Ratio Lower Upper

228 100

226 39.3 24.7 37.1#

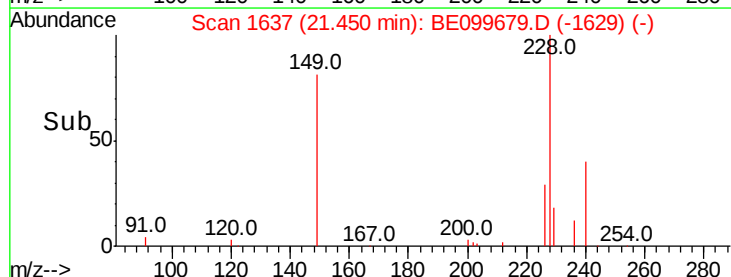
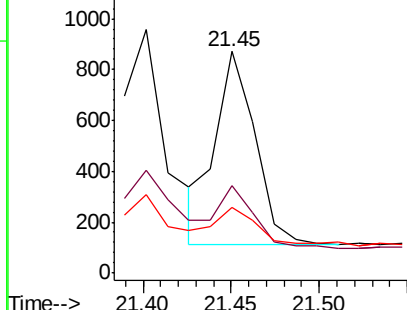
229 29.4 15.8 23.6#

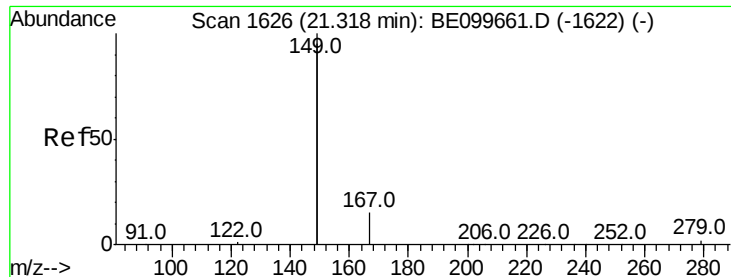


Abundance Ion 228.00 (227.70 to 228.70): E

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: BE099679.D

Acq: 21 May 2019 2:32

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

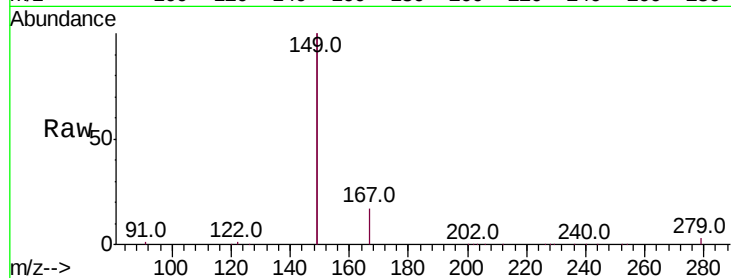
Tot Ion:149 Resp: 93593

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

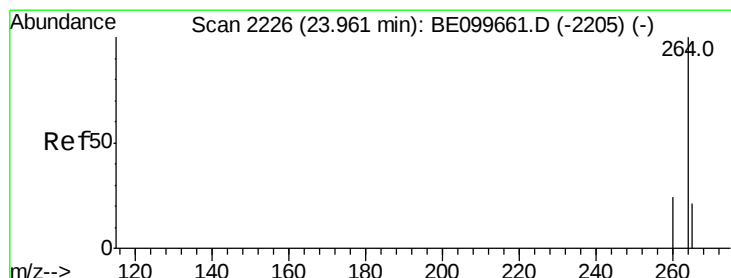
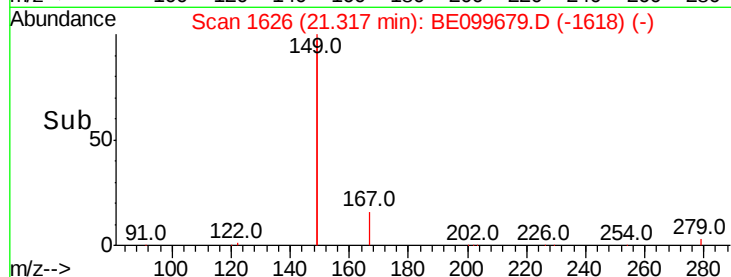
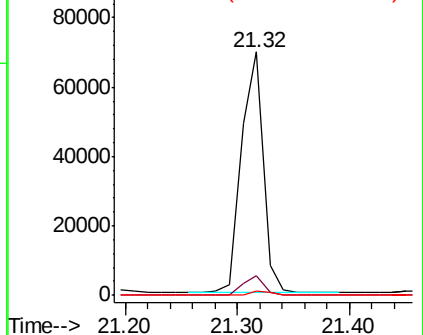
279 1.6 1.2 1.8



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

Perylene-d12

Concen: 0.400 ng

RT: 23.96 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BE099679.D

Acq: 21 May 2019 2:32

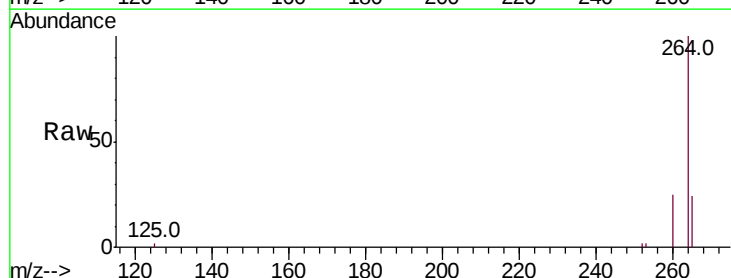
Tgt Ion:264 Resp: 20174

Ion Ratio Lower Upper

264 100

260 25.0 19.6 29.4

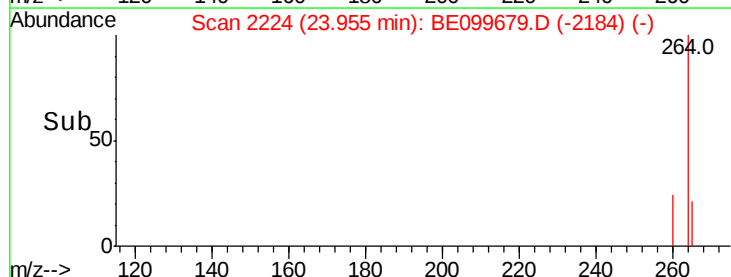
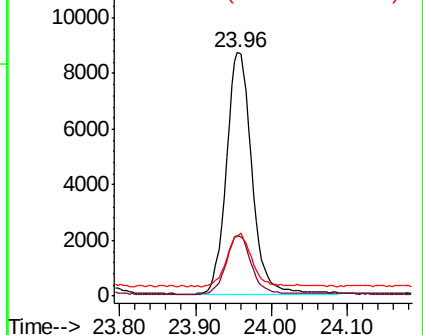
265 24.4 19.1 28.7

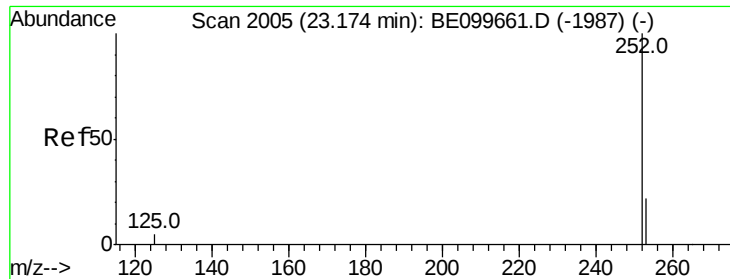


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

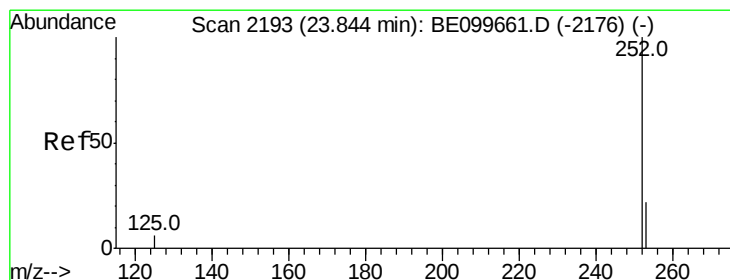
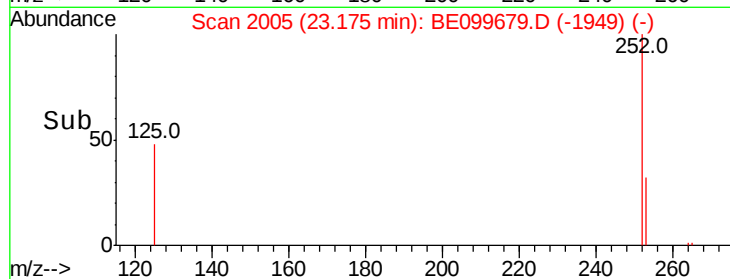
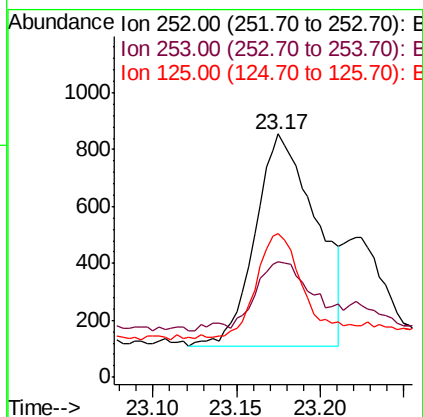
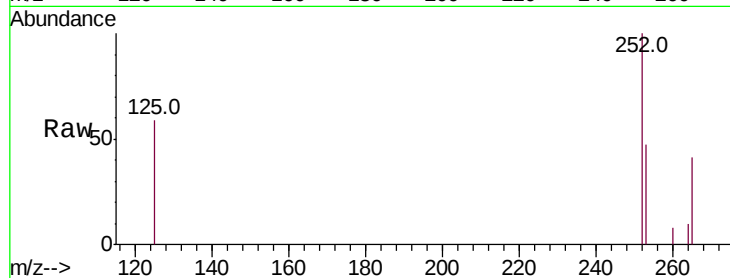




#35
Benzo(b)fluoranthene
Concen: 0.034 ng
RT: 23.17 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099679.D
Acq: 21 May 2019 2:32

Instrument :
BNA_E
ClientSampleId :
FESB-2(14.5-15)

Tot Ion:252 Resp: 1885
Ion Ratio Lower Upper
252 100
253 47.2 18.2 27.4#
125 58.9 4.5 6.7#



#37
Benzo(a)pyrene
Concen: 0.025 ng
RT: 23.84 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BE099679.D
Acq: 21 May 2019 2:32

Tgt Ion:252 Resp: 1339
Ion Ratio Lower Upper
252 100
253 46.3 18.9 28.3#
125 43.9 5.4 8.0#

