

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052019\
 Data File : BE099681.D
 Acq On : 21 May 2019 3:44
 Operator : JU/SJ
 Sample : K2944-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-4(5-5.5)

Quant Time: May 21 06:44:53 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	7.82	152	1501	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5371	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3790	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11458	0.40	ng	0.00
27) Chrysene-d12	21.41	240	16641	0.40	ng	0.00
34) Perylene-d12	23.96	264	20543	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1593	0.42	ng	0.00
5) Phenol-d6	6.97	99	2196	0.44	ng	0.00
8) Nitrobenzene-d5	8.98	82	1638	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3198	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	807	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4700	0.33	ng	0.00
25) Fluoranthene-d10	19.26	212	48390	0.31	ng	0.00
29) Terphenyl-d14	19.86	244	10042	0.34	ng	0.00

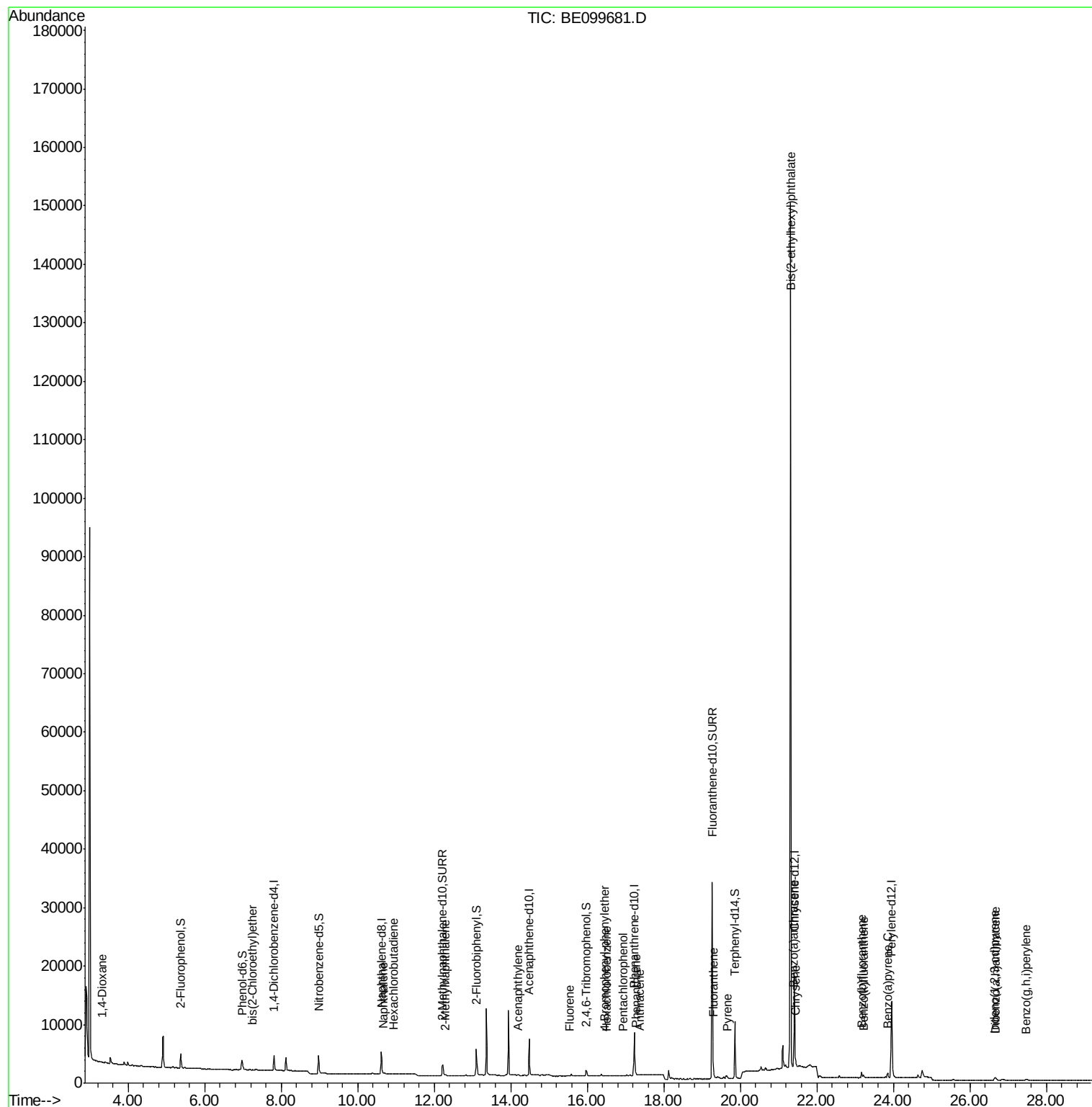
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	53	0.024	ng	# 1
6) bis(2-Chloroethyl)ether	7.25	93	9	0.002	ng	# 49
9) Naphthalene	10.67	128	83	0.001	ng	# 50
10) Hexachlorobutadiene	10.93	225	5	0.001	ng	# 17
12) 2-Methylnaphthalene	12.30	142	22	0.002	ng	# 55
16) Acenaphthylene	14.18	152	67	0.004	ng	# 71
18) Fluorene	15.53	166	47	0.003	ng	# 75
20) 4-Bromophenyl-phenylether	16.46	248	6	0.001	ng	# 64
21) Hexachlorobenzene	16.49	284	6	0.001	ng	# 1
22) Pentachlorophenol	16.93	266	6	0.183	ng	# 73
23) Phenanthrene	17.27	178	303	0.011	ng	# 96
24) Anthracene	17.36	178	92	0.004	ng	# 46
26) Fluoranthene	19.29	202	384	0.009	ng	# 68
28) Pyrene	19.66	202	397	0.009	ng	# 86
30) Benzo(a)anthracene	21.40	228	673	0.014	ng	# 54
31) Chrysene	21.45	228	586	0.012	ng	# 75
32) Bis(2-ethylhexyl)phthalate	21.32	149	186539	3.423	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.65	276	828	0.014	ng	# 92
35) Benzo(b)fluoranthene	23.18	252	797	0.014	ng	# 1
36) Benzo(k)fluoranthene	23.23	252	633	0.011	ng	# 19
37) Benzo(a)pyrene	23.84	252	750	0.014	ng	# 1
38) Dibenzo(a,h)anthracene	26.67	278	537	0.009	ng	# 7
39) Benzo(g,h,i)perylene	27.48	276	592	0.010	ng	# 49

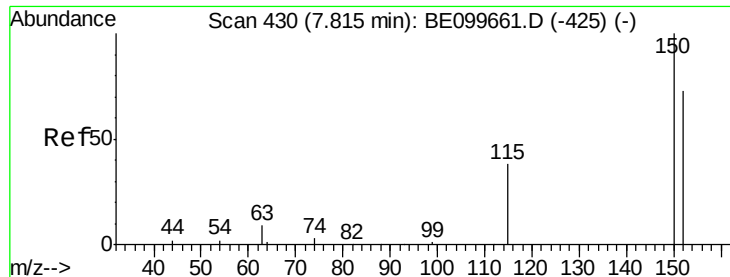
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052019\
Data File : BE099681.D
Acq On : 21 May 2019 3:44
Operator : JU/SJ
Sample : K2944-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FESB-4(5-5.5)

Quant Time: May 21 06:44:53 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

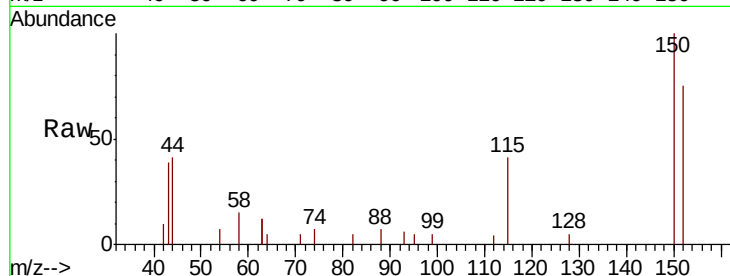
Tgt Ion: 152 Resp: 1501

Ion Ratio Lower Upper

152 100

150 132.7 109.2 163.8

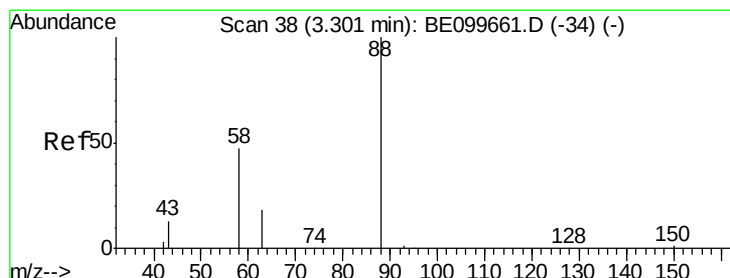
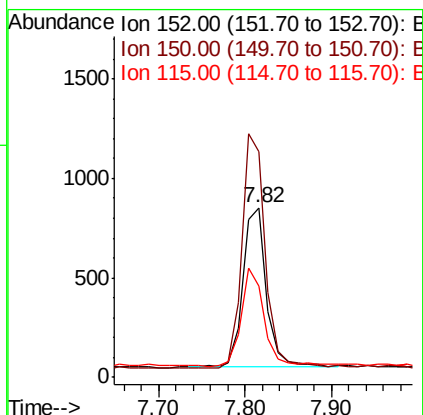
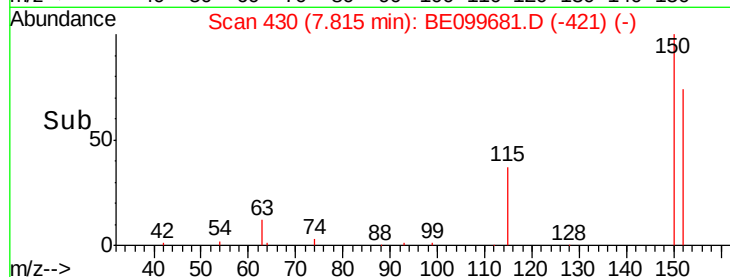
115 53.9 43.7 65.5



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



#2

1,4-Dioxane

Concen: 0.024 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.01 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

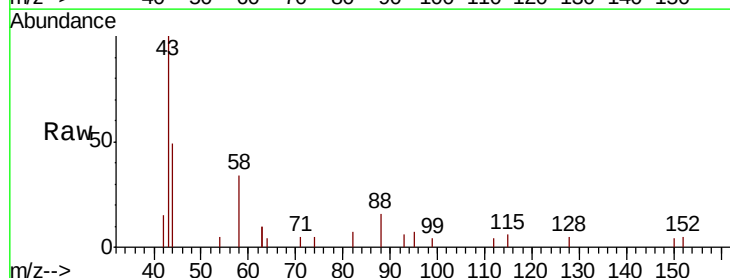
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

58 0.0 41.8 62.8#

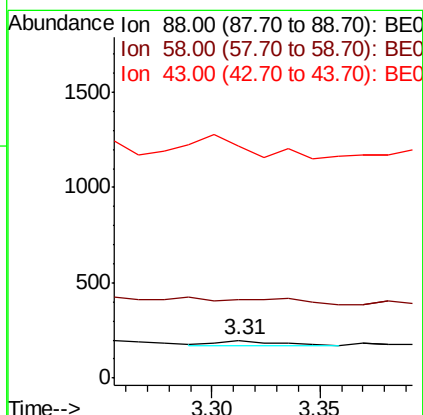
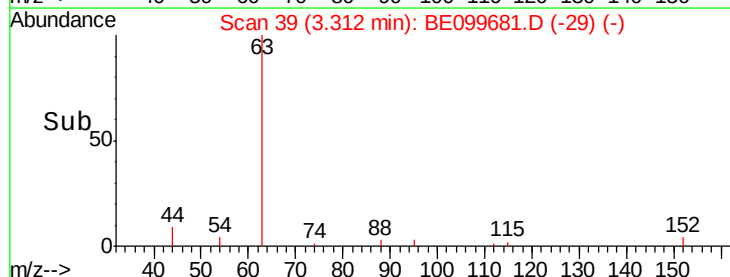
43 509.4 15.0 22.4#

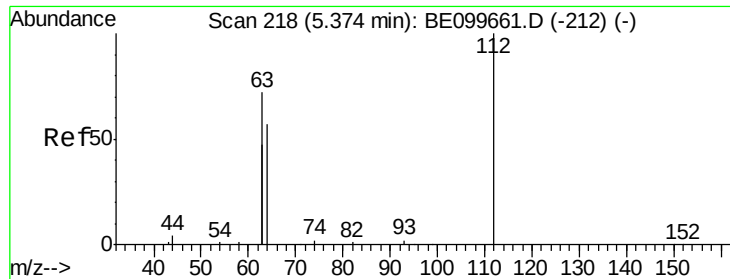


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.420 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

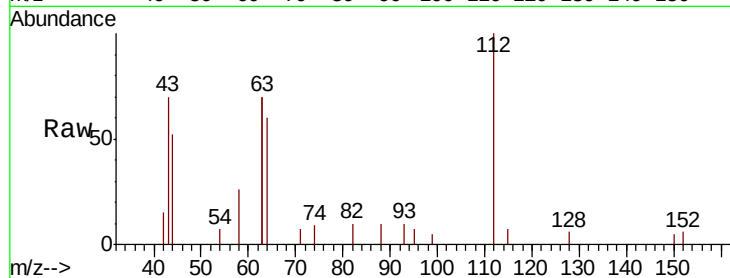
Tgt Ion: 112 Resp: 1593

Ion Ratio Lower Upper

112 100

64 51.7 43.4 65.2

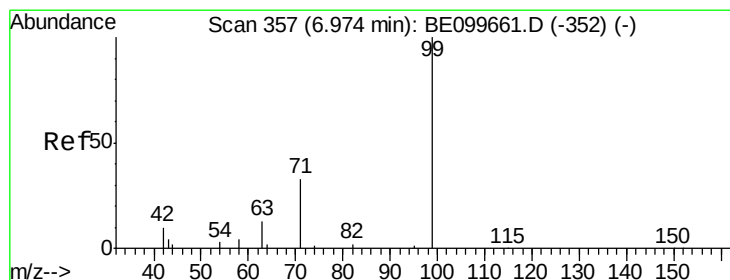
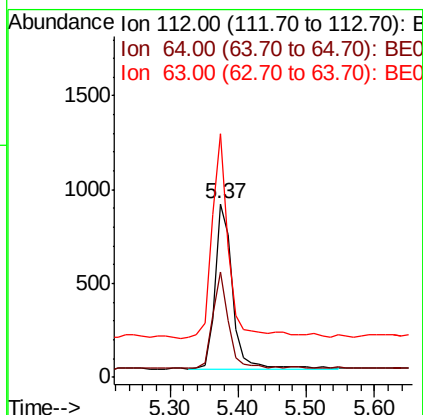
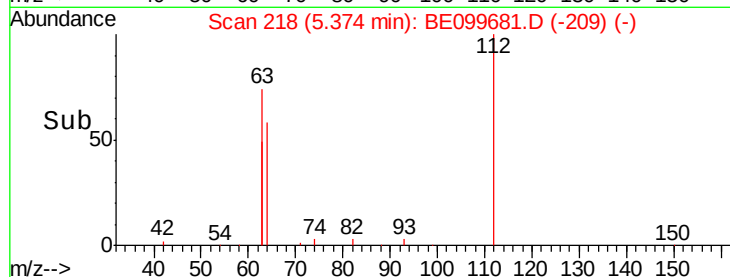
63 119.4 96.9 145.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.437 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

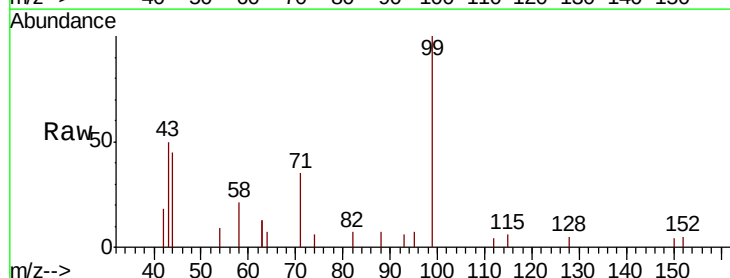
Tgt Ion: 99 Resp: 2196

Ion Ratio Lower Upper

99 100

42 12.5 12.2 18.2

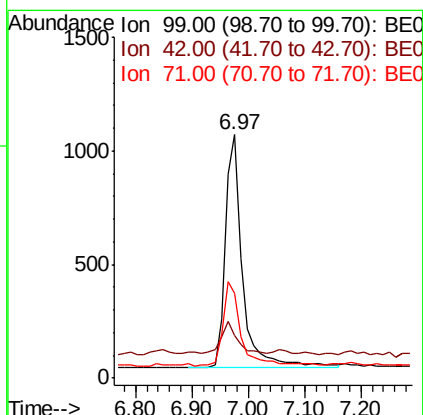
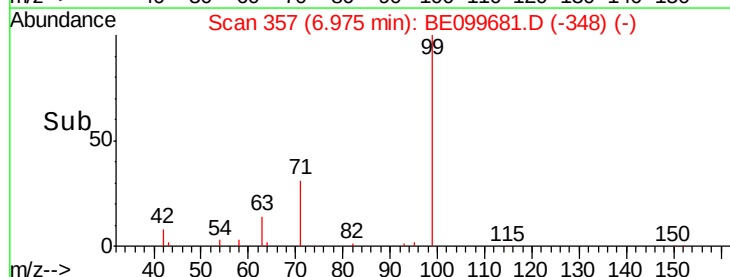
71 36.4 28.9 43.3

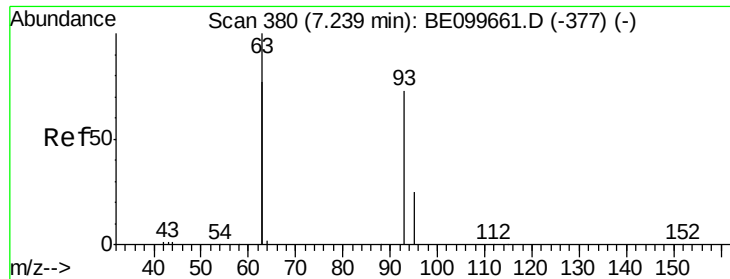


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.002 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.01 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

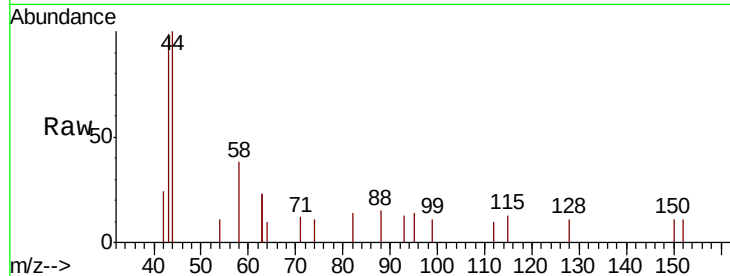
Tgt Ion: 93 Resp: 9

Ion Ratio Lower Upper

93 100

63 188.9 207.8 311.6#

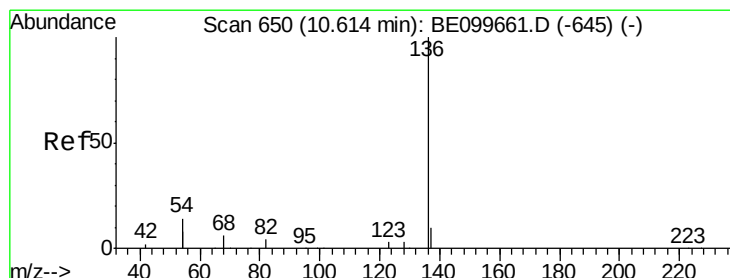
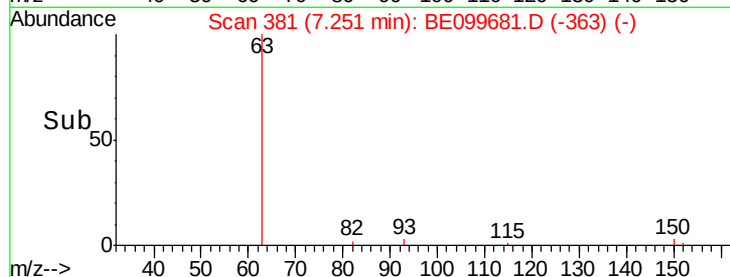
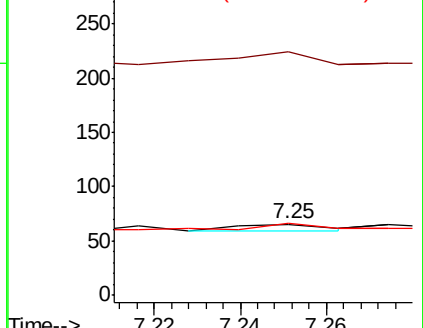
95 111.1 25.9 38.9#



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: BE099681.D

Acq: 21 May 2019 3:44

Tgt Ion: 136 Resp: 5371

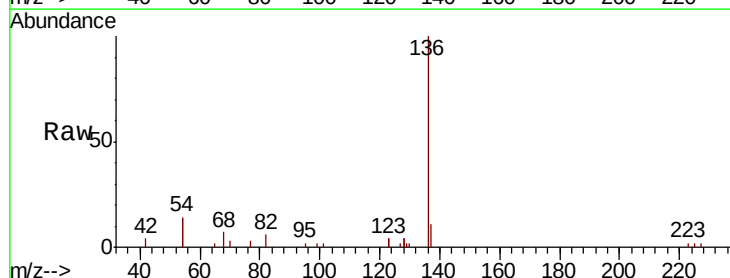
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 27.6 22.3 33.5

68 7.4 6.0 9.0

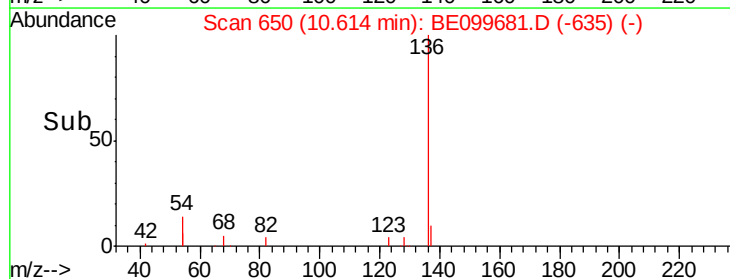
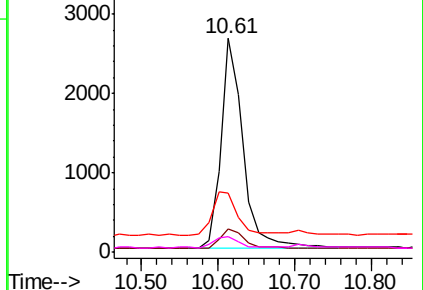


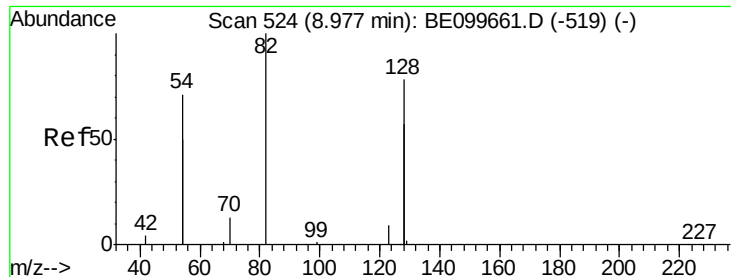
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.352 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

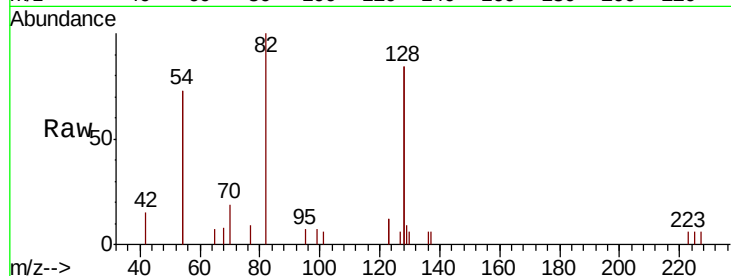
Tgt Ion: 82 Resp: 1638

Ion Ratio Lower Upper

82 100

128 168.8 117.7 176.5

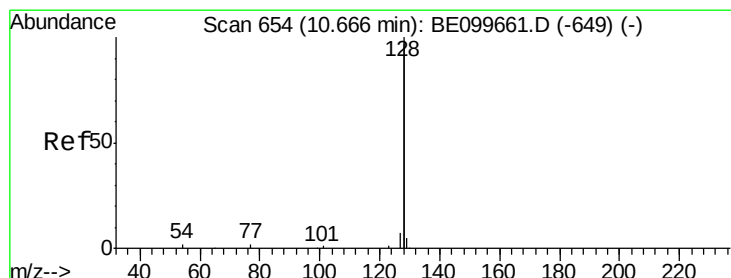
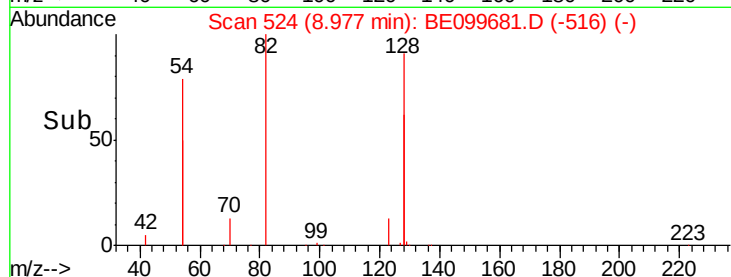
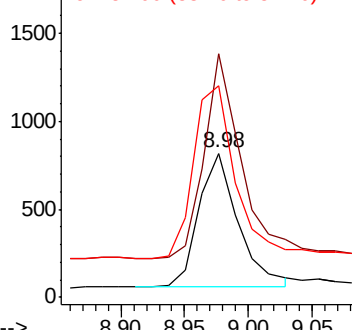
54 146.3 106.6 160.0



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



#9

Naphthalene

Concen: 0.001 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

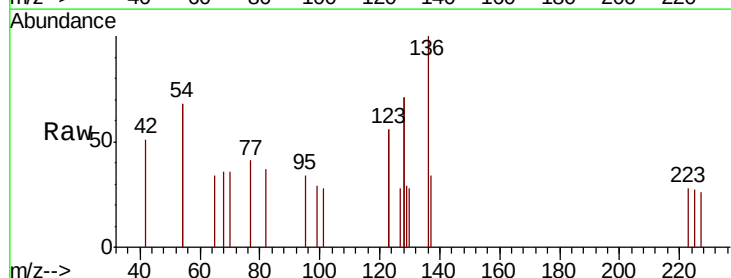
Tgt Ion: 128 Resp: 83

Ion Ratio Lower Upper

128 100

129 20.3 2.4 3.6#

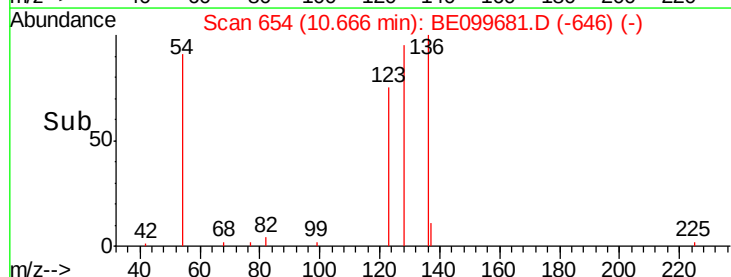
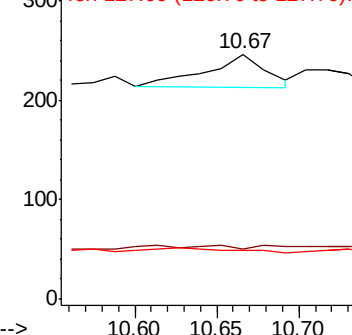
127 19.5 2.9 4.3#

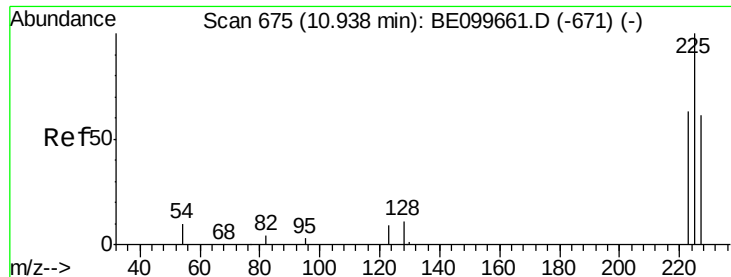


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

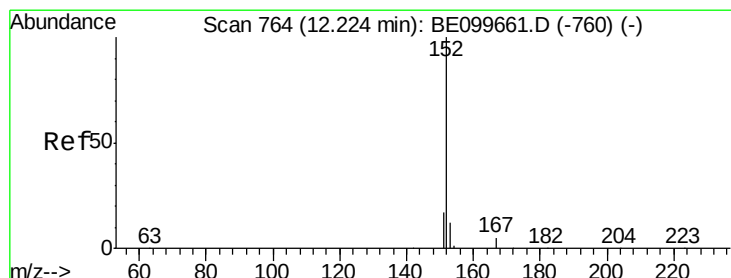
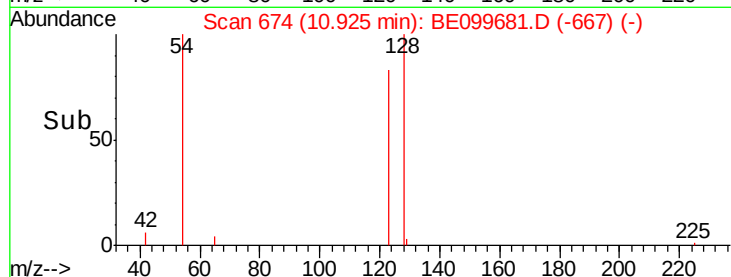
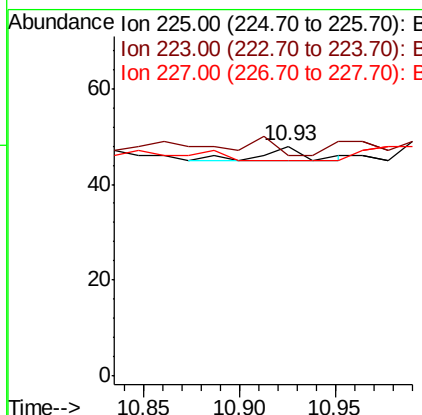
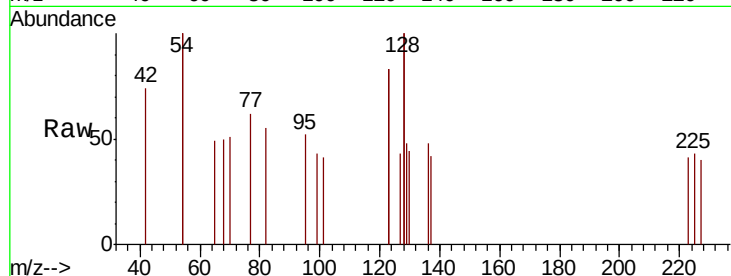




#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.01 min
Lab File: BE099681.D
Acq: 21 May 2019 3:44

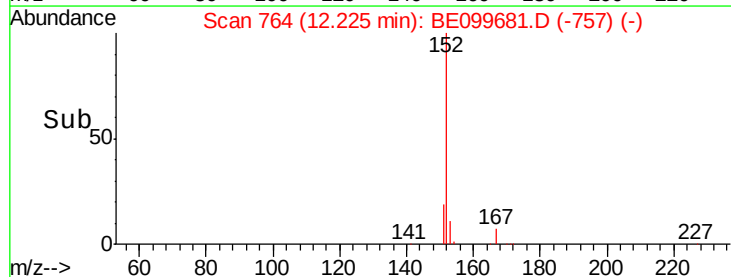
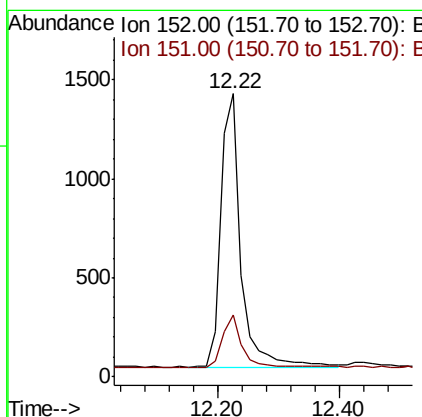
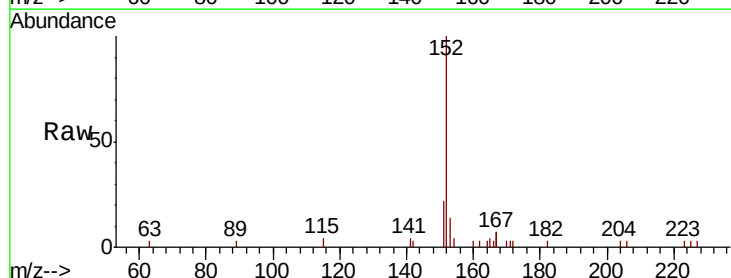
Instrument :
BNA_E
ClientSampleId :
FESB-4(5-5.5)

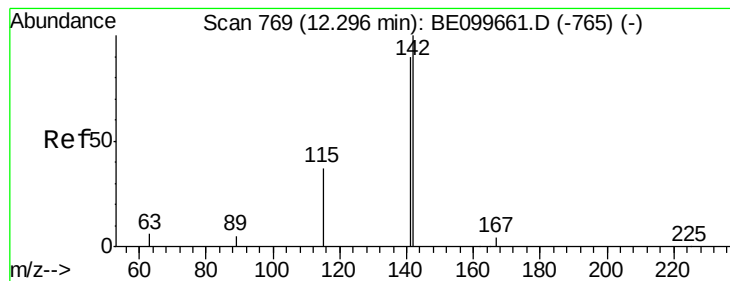
Tgt Ion: 225 Resp: 5
Ion Ratio Lower Upper
225 100
223 0.0 51.8 77.6#
227 0.0 52.6 79.0#



#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099681.D
Acq: 21 May 2019 3:44

Tgt Ion: 152 Resp: 3198
Ion Ratio Lower Upper
152 100
151 18.2 15.0 22.4





#12

2-Methylnaphthalene

Concen: 0.002 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

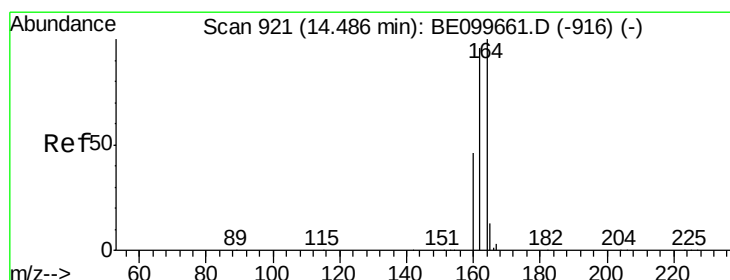
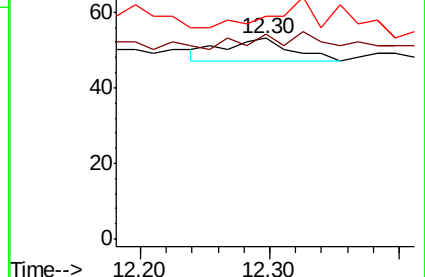
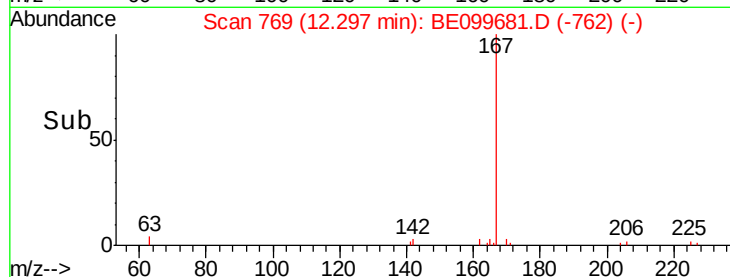
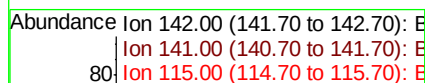
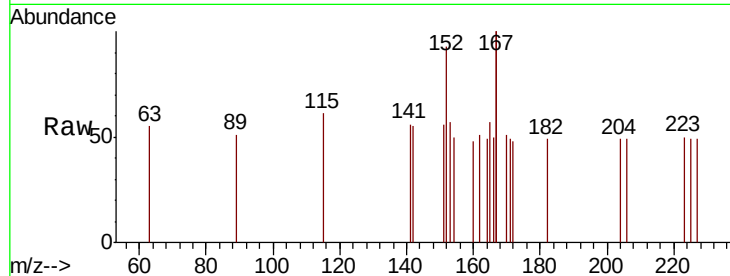
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

141 101.9 72.0 108.0

115 111.3 31.0 46.4#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

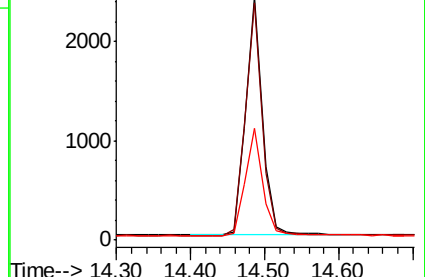
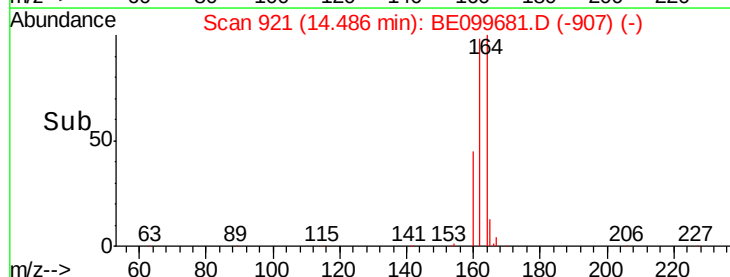
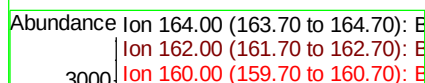
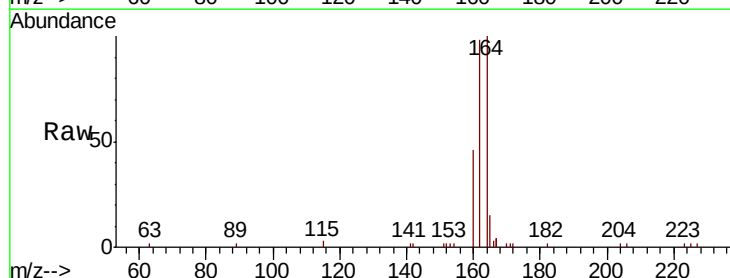
Tgt Ion:164 Resp: 3790

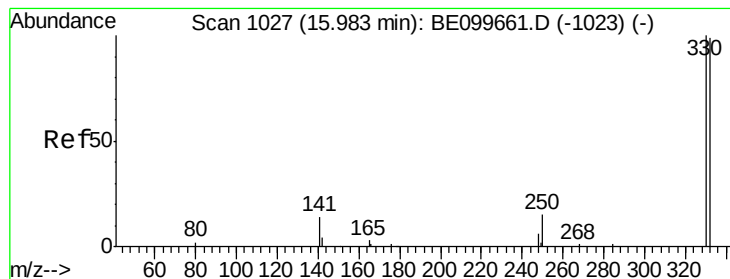
Ion Ratio Lower Upper

164 100

162 97.6 76.5 114.7

160 46.1 37.4 56.2

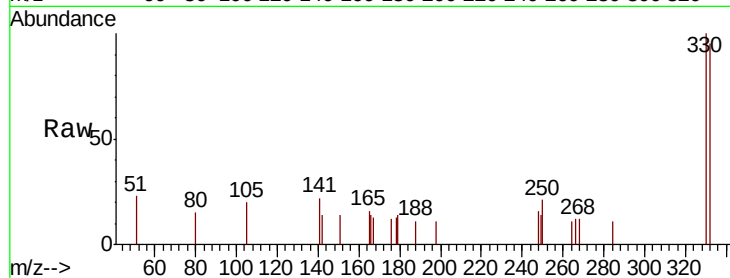




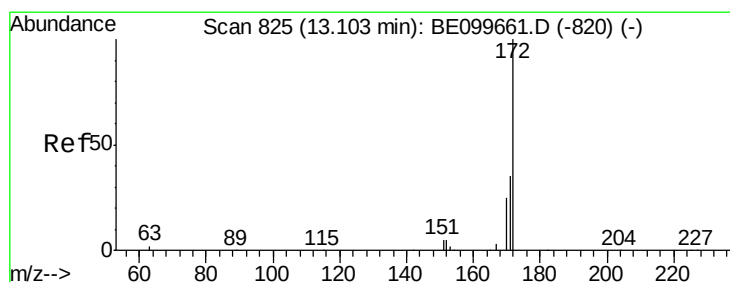
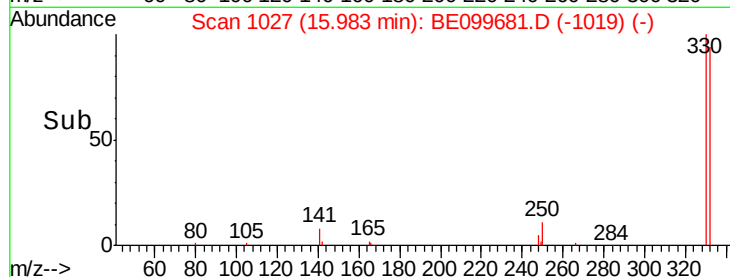
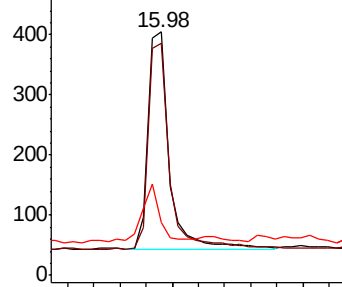
#14
 2,4,6-Tribromophenol
 Concen: 0.410 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099681.D
 Acq: 21 May 2019 3:44

Instrument :
 BNA_E
 ClientSampleId :
 FESB-4(5-5.5)

Tgt Ion: 330 Resp: 807
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.3 115.9
 141 19.5 18.9 28.3

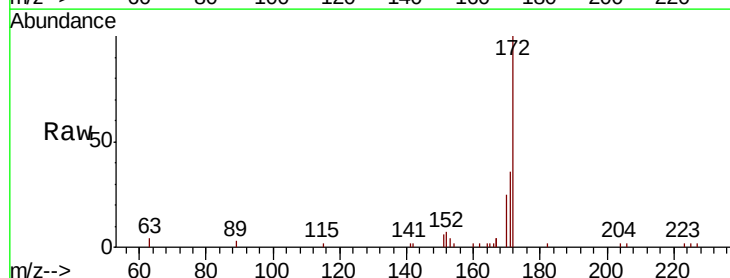


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

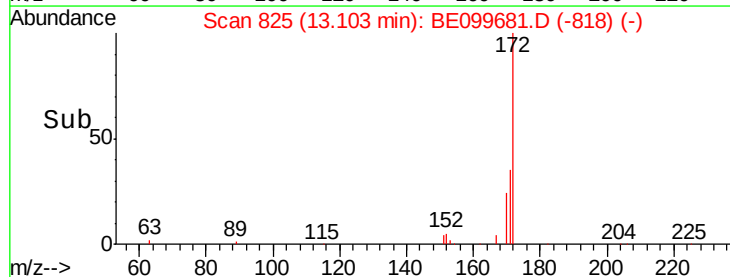
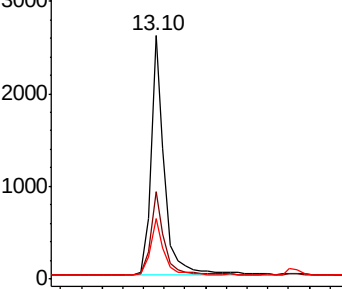


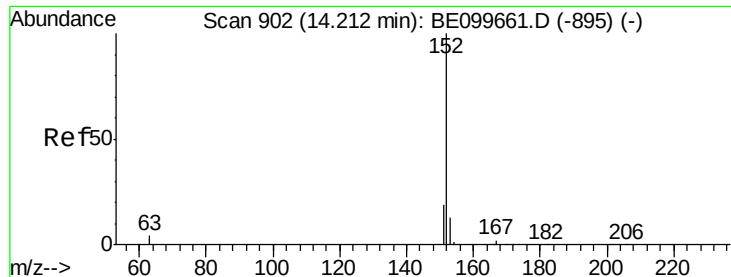
#15
 2-Fluorobiphenyl
 Concen: 0.327 ng
 RT: 13.10 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BE099681.D
 Acq: 21 May 2019 3:44

Tgt Ion: 172 Resp: 4700
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.7 43.1
 170 25.0 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

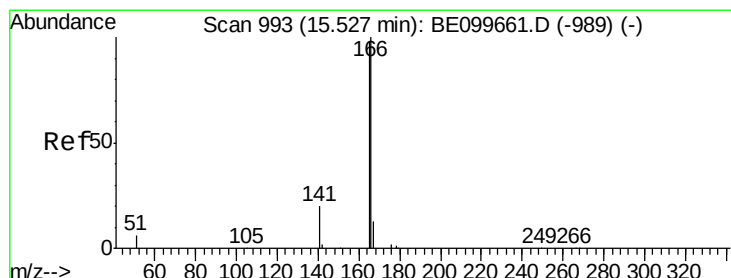
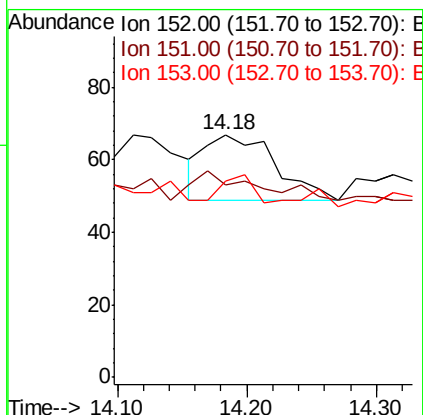
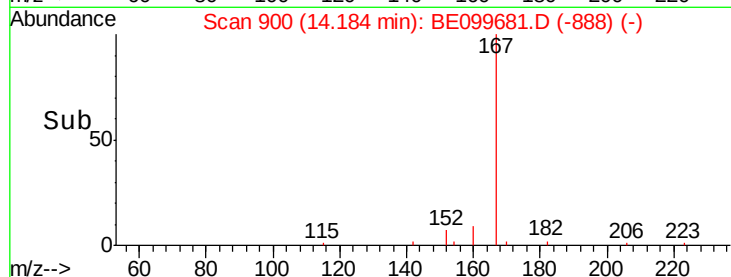
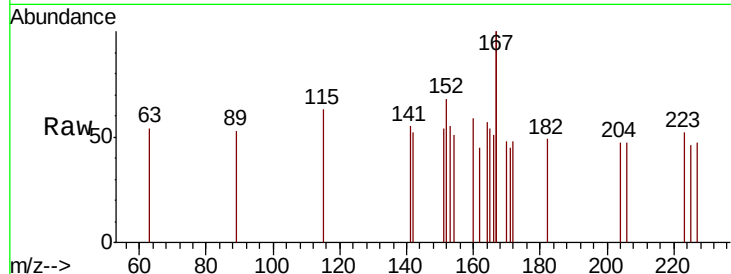




#16
Acenaphthylene
Concen: 0.004 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.03 min
Lab File: BE099681.D
Acq: 21 May 2019 3:44

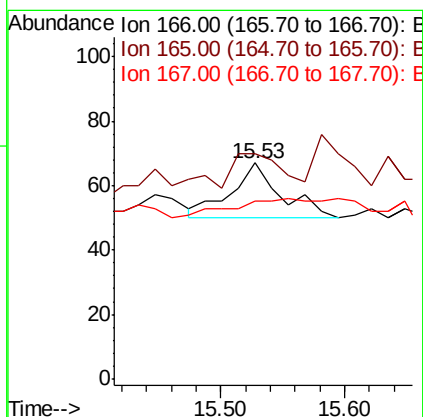
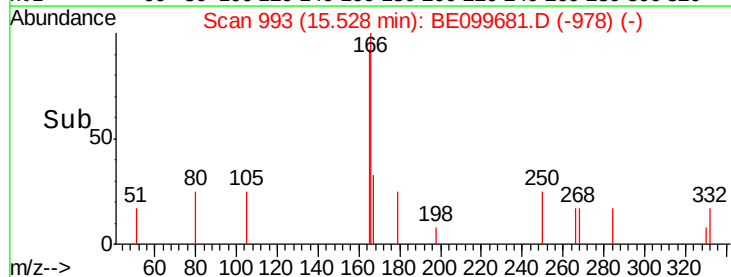
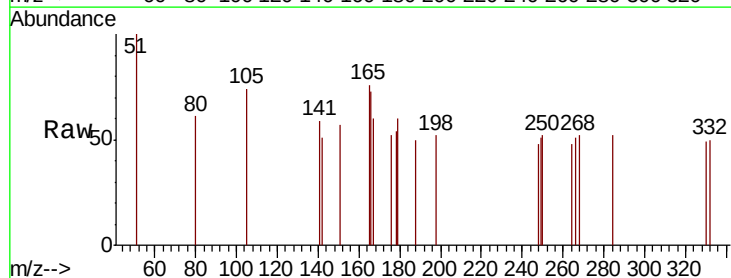
Instrument :
BNA_E
ClientSampleId :
FESB-4(5-5.5)

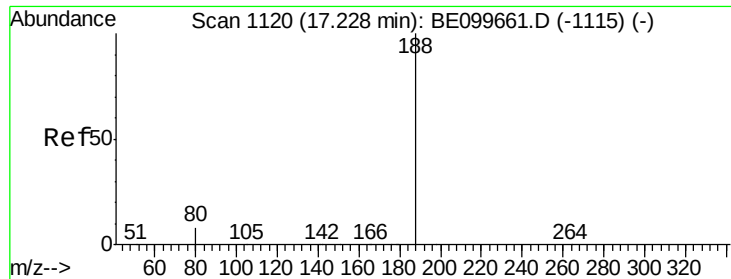
Tgt Ion:152 Resp: 67
Ion Ratio Lower Upper
152 100
151 0.0 15.9 23.9#
153 16.4 10.6 16.0#



#18
Fluorene
Concen: 0.003 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099681.D
Acq: 21 May 2019 3:44

Tgt Ion:166 Resp: 47
Ion Ratio Lower Upper
166 100
165 76.6 80.3 120.5#
167 0.0 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: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

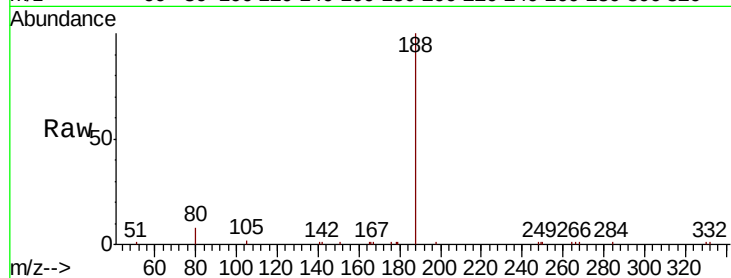
Tgt Ion:188 Resp: 11458

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

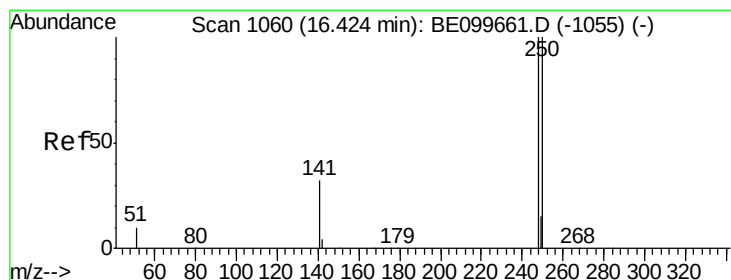
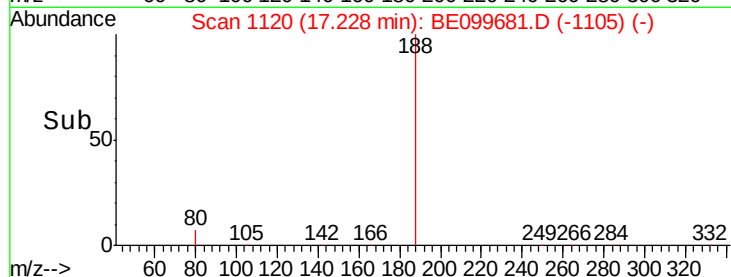
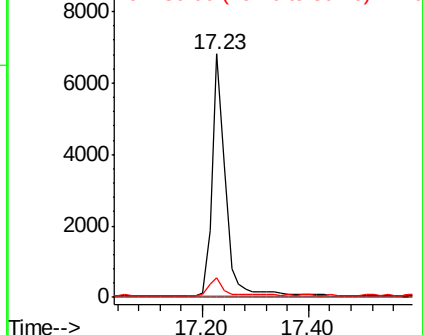
80 8.2 6.7 10.1



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: 16.46 min Scan# 1063

Delta R.T. 0.04 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

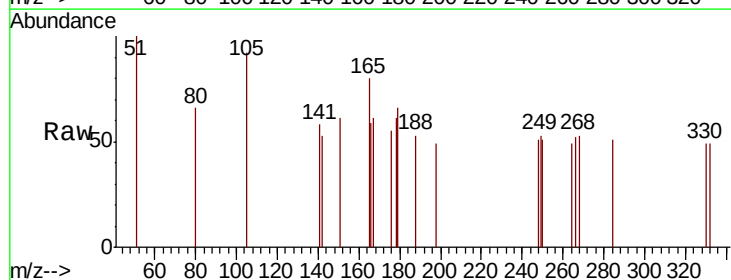
Tgt Ion:248 Resp: 6

Ion Ratio Lower Upper

248 100

250 100.0 79.8 119.8

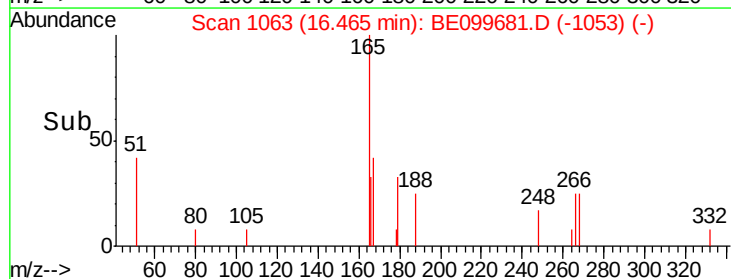
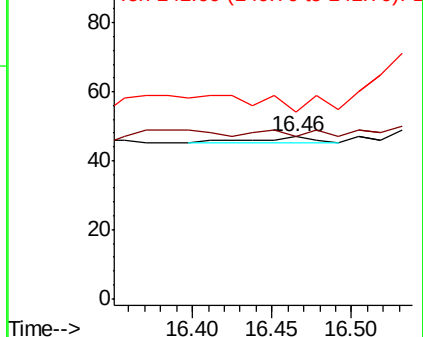
141 114.9 27.0 40.6#

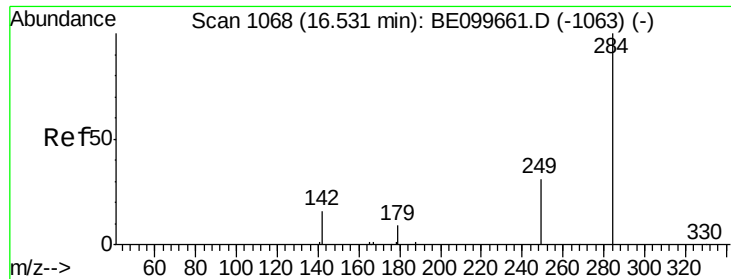


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.04 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

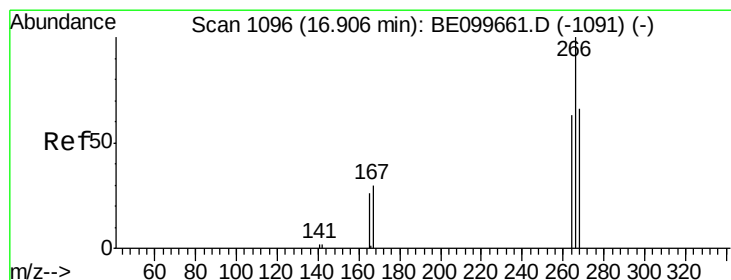
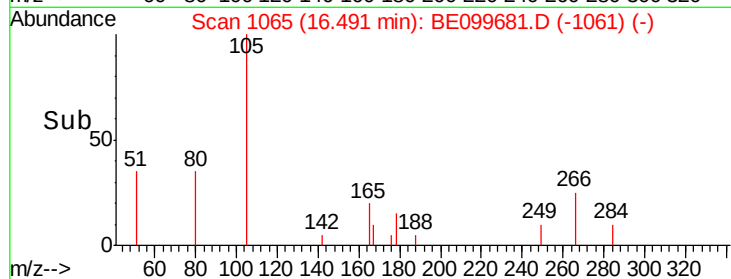
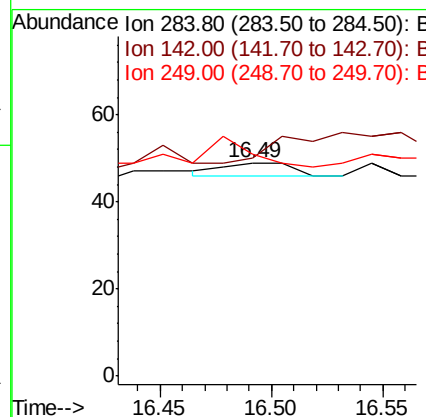
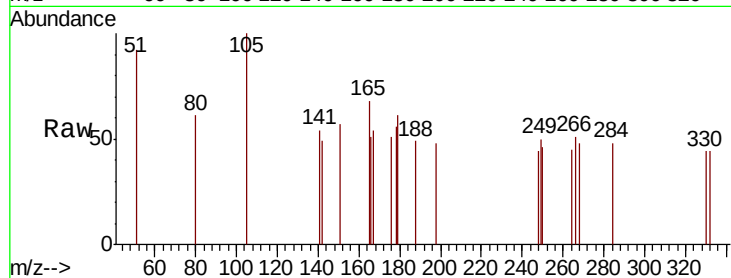
Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

Tgt Ion:	284	Resp:	6
Ion	Ratio	Lower	Upper
284	100		
142	0.0	17.8	26.6#
249	150.0	24.8	37.2#



#22

Pentachlorophenol

Concen: 0.183 ng

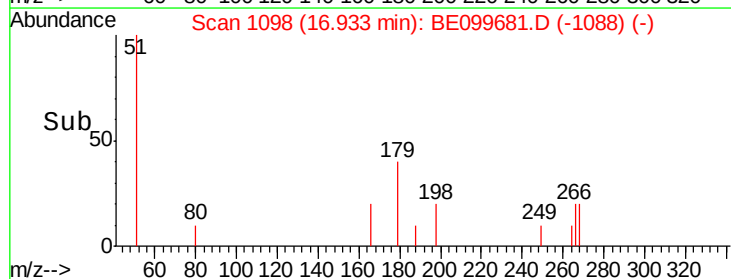
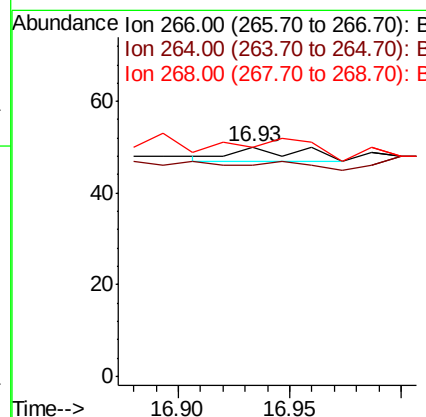
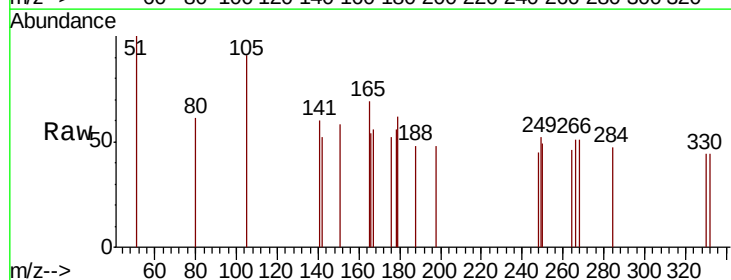
RT: 16.93 min Scan# 1098

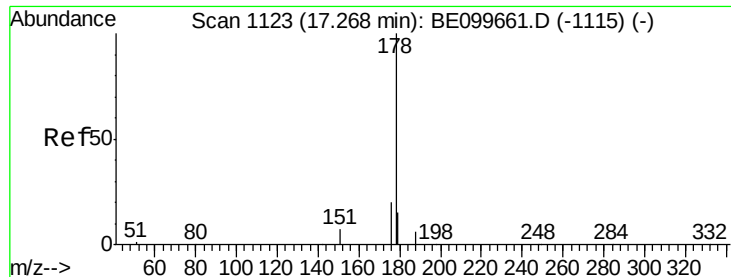
Delta R.T. 0.03 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Tgt Ion:	266	Resp:	6
Ion	Ratio	Lower	Upper
266	100		
264	92.0	57.2	85.8#
268	100.0	60.5	90.7#

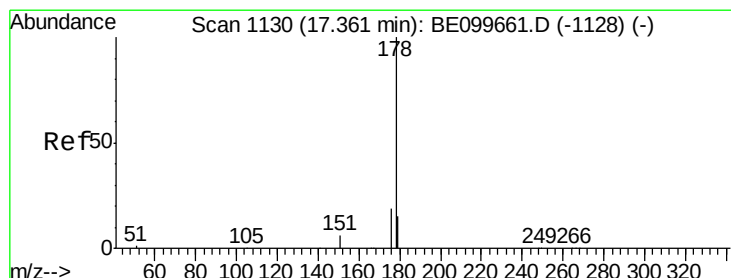
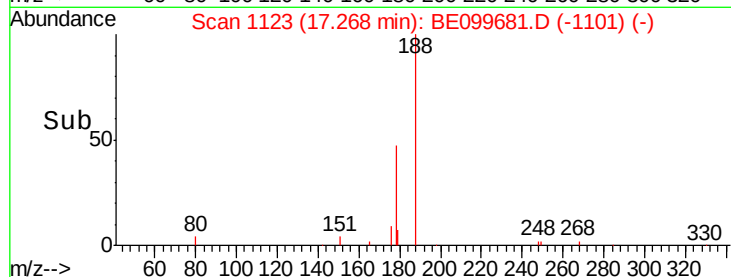
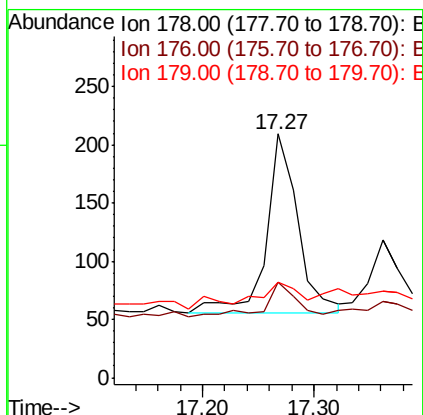
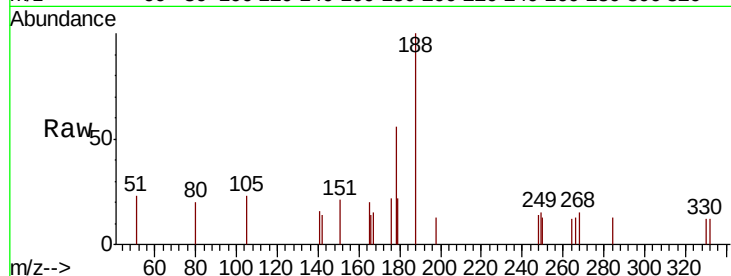




#23
Phenanthrene
Concen: 0.011 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099681.D
Acq: 21 May 2019 3:44

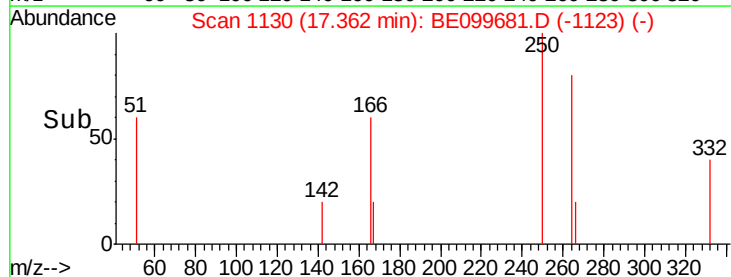
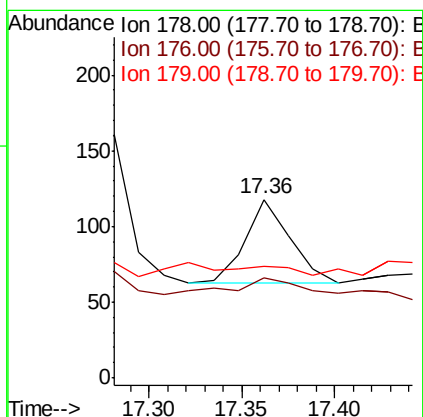
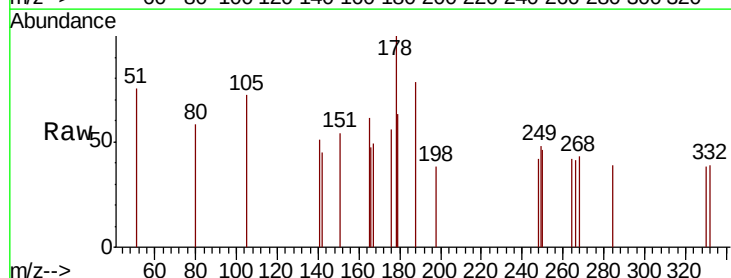
Instrument :
BNA_E
ClientSampleId :
FESB-4(5-5.5)

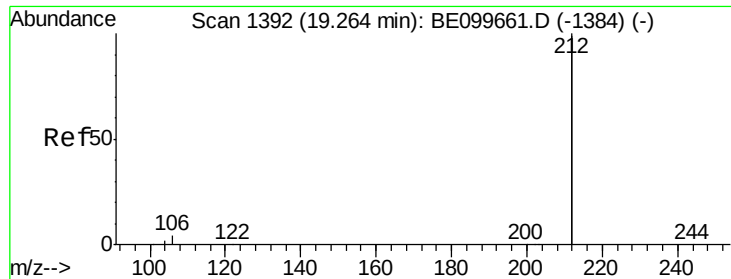
Tgt Ion:178 Resp: 303
Ion Ratio Lower Upper
178 100
176 20.5 15.6 23.4
179 12.9 12.2 18.4



#24
Anthracene
Concen: 0.004 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099681.D
Acq: 21 May 2019 3:44

Tgt Ion:178 Resp: 92
Ion Ratio Lower Upper
178 100
176 48.9 14.7 22.1#
179 0.0 12.0 18.0#





#25

Fluoranthene-d10

Concen: 0.309 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

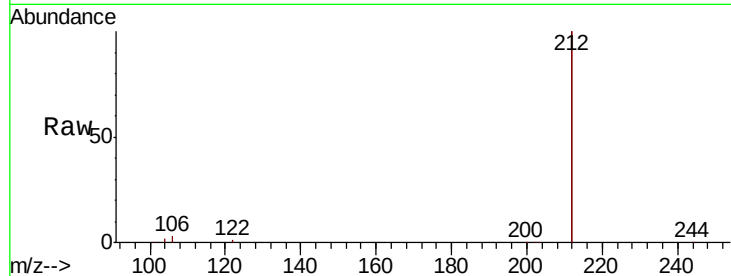
Tgt Ion:212 Resp: 48390

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

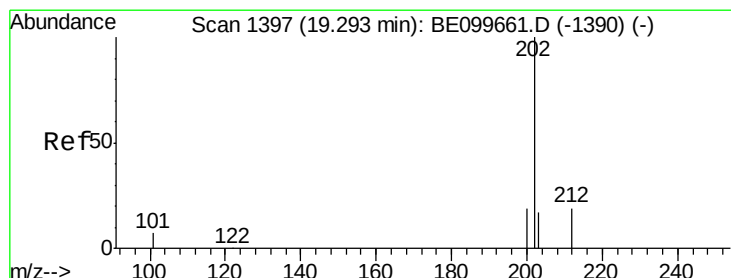
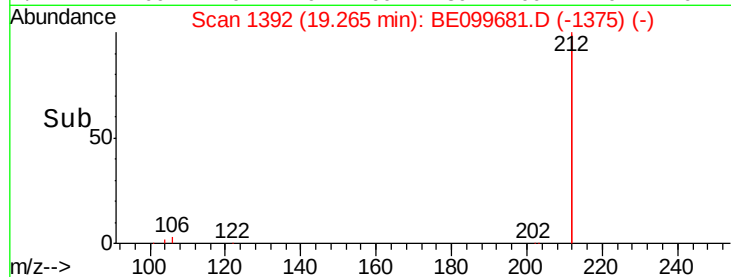
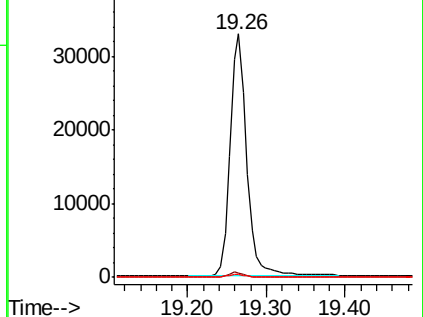
104 1.1 0.8 1.2



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: 0.009 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

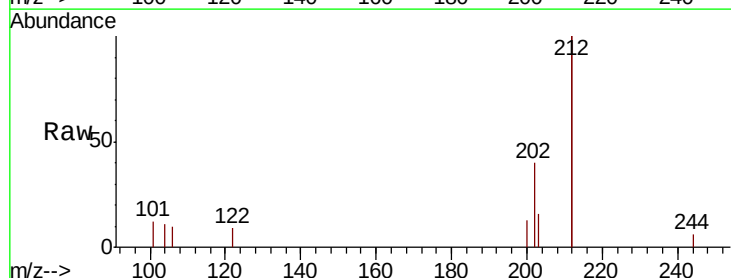
Tgt Ion:202 Resp: 384

Ion Ratio Lower Upper

202 100

101 23.7 5.2 7.8#

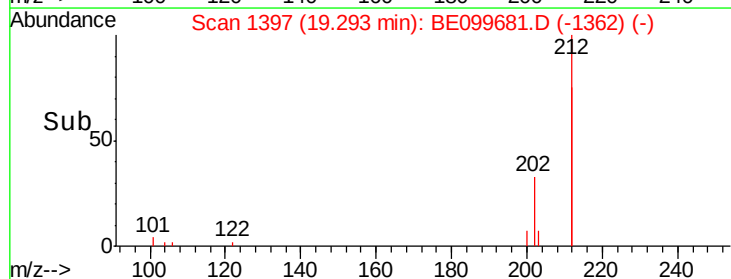
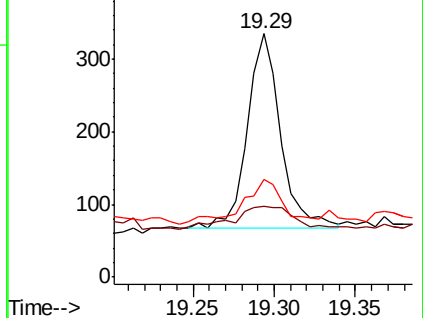
203 28.4 13.8 20.6#

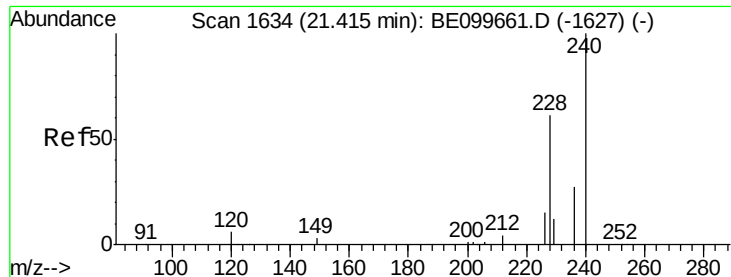


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

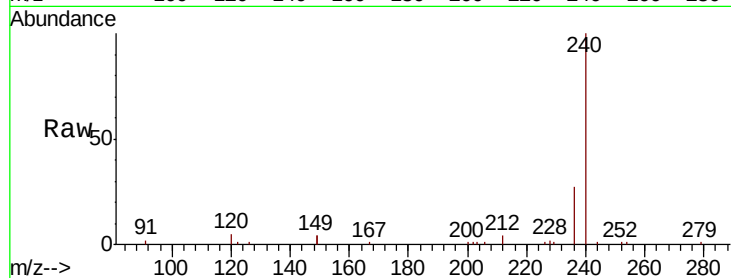
Tgt Ion:240 Resp: 16641

Ion Ratio Lower Upper

240 100

120 5.0 5.4 8.0#

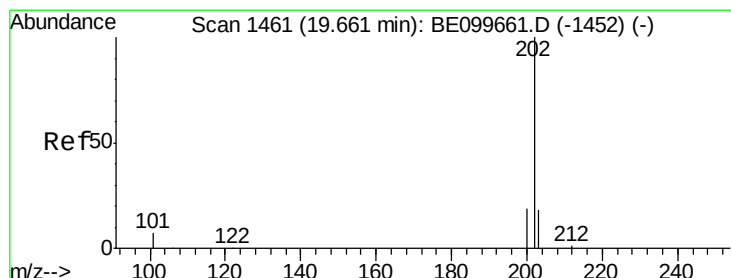
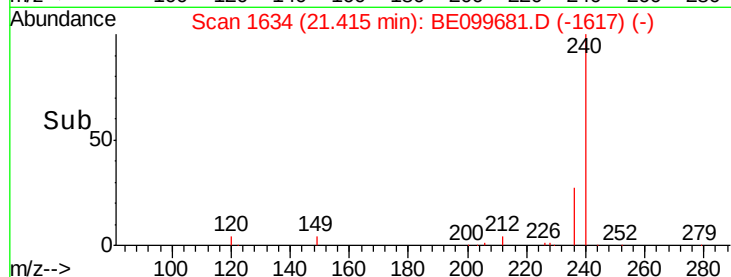
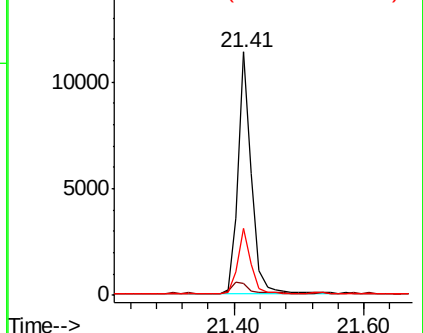
236 27.3 21.7 32.5



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: 0.009 ng

RT: 19.66 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

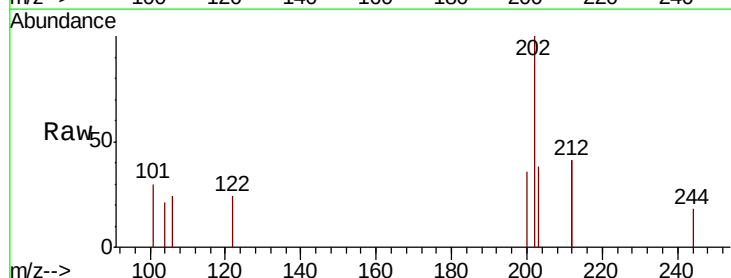
Tgt Ion:202 Resp: 397

Ion Ratio Lower Upper

202 100

200 28.0 15.4 23.2#

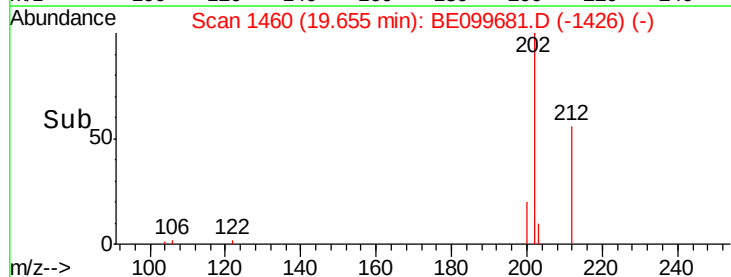
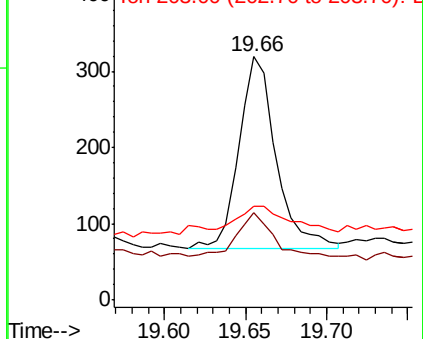
203 20.7 13.8 20.8

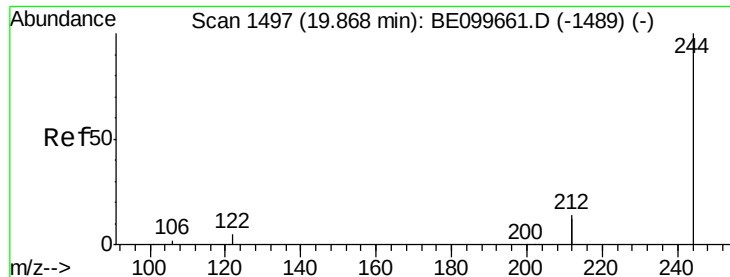


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.338 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

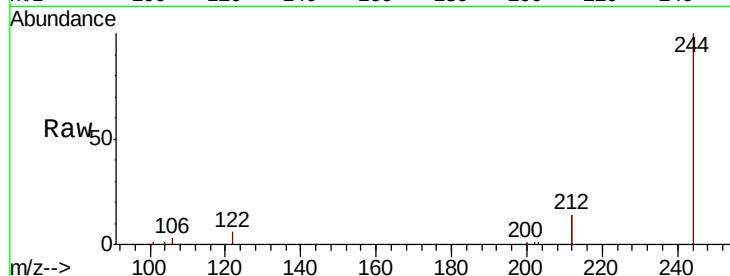
Tgt Ion:244 Resp: 10042

Ion Ratio Lower Upper

244 100

212 28.4 22.5 33.7

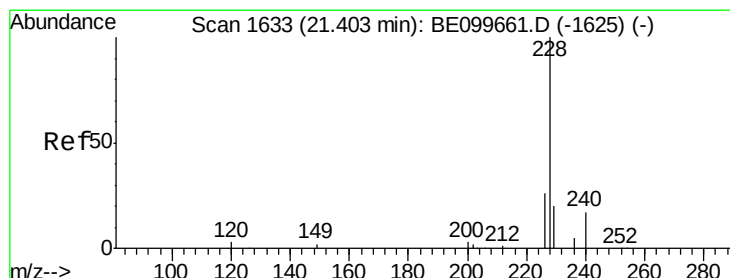
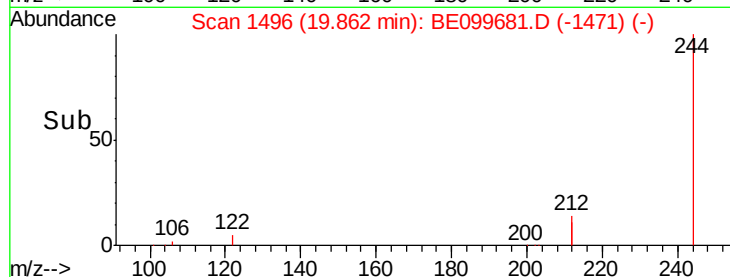
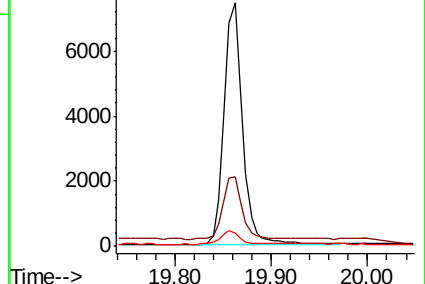
122 5.5 4.3 6.5



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: 0.014 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

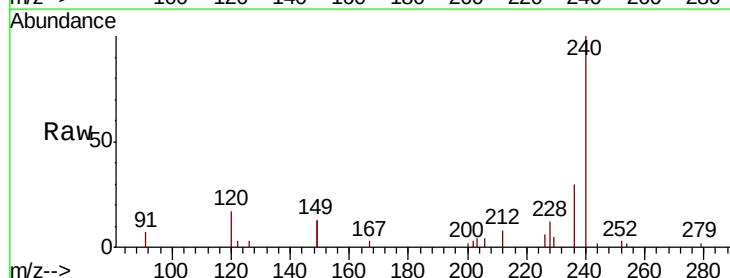
Tgt Ion:228 Resp: 673

Ion Ratio Lower Upper

228 100

226 50.0 21.3 31.9#

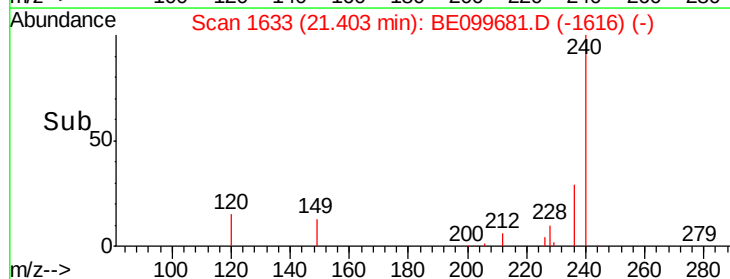
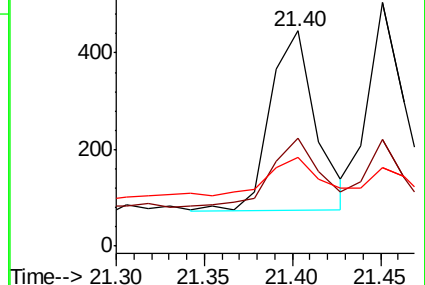
229 41.3 16.1 24.1#

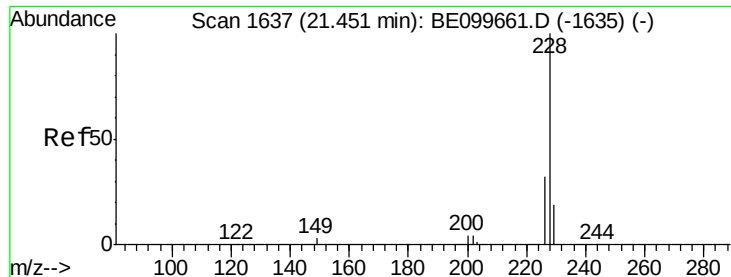


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.012 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

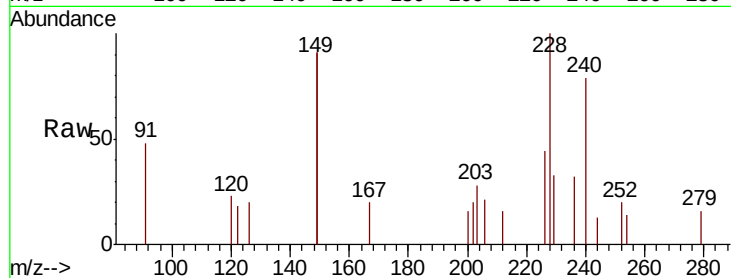
Tgt Ion:228 Resp: 586

Ion Ratio Lower Upper

228 100

226 43.7 24.7 37.1#

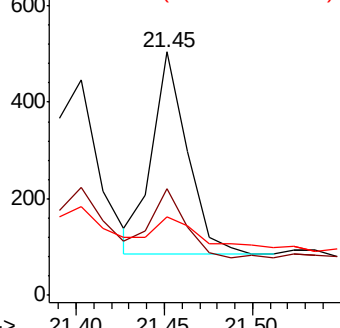
229 32.5 15.8 23.6#



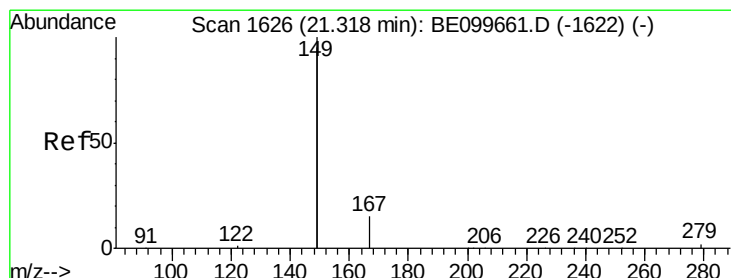
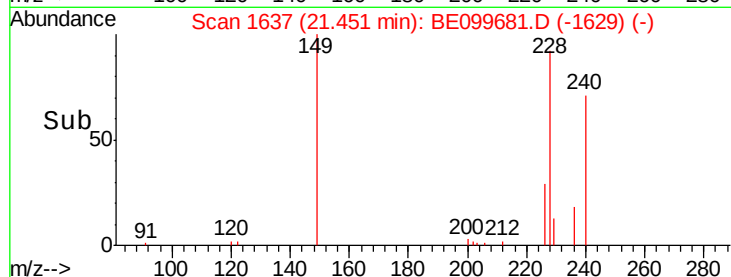
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 3.423 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

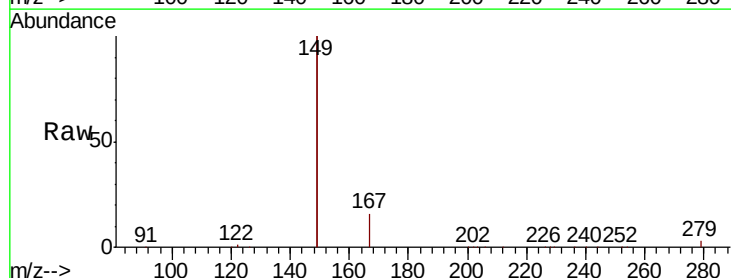
Tgt Ion:149 Resp: 186539

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

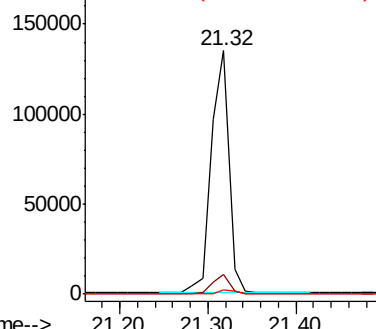
279 1.5 1.2 1.8



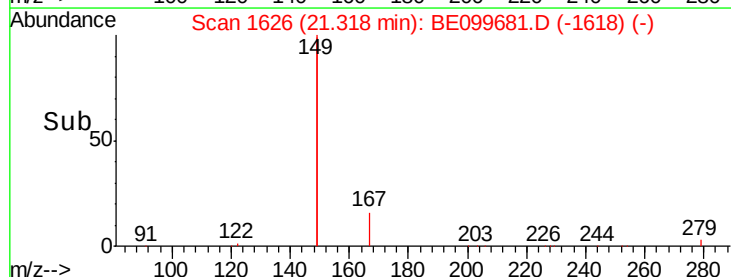
Abundance Ion 149.00 (148.70 to 149.70): E

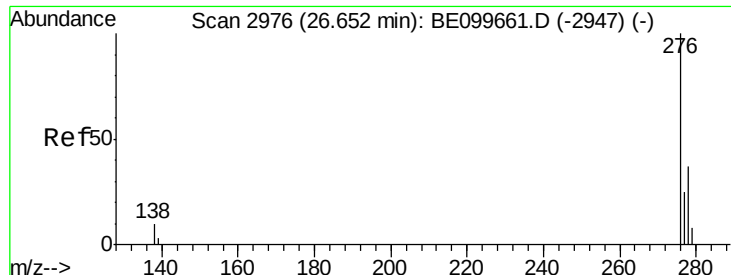
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.014 ng

RT: 26.65 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

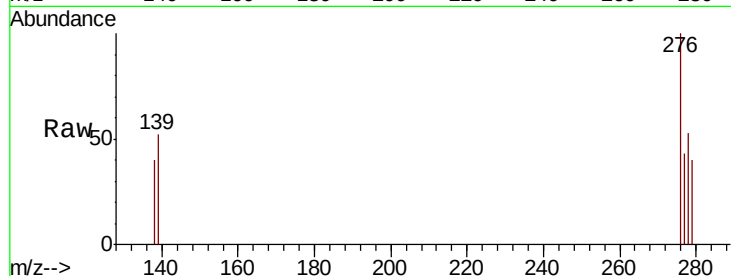
Tgt Ion:276 Resp: 828

Ion Ratio Lower Upper

276 100

138 5.1 9.6 14.4#

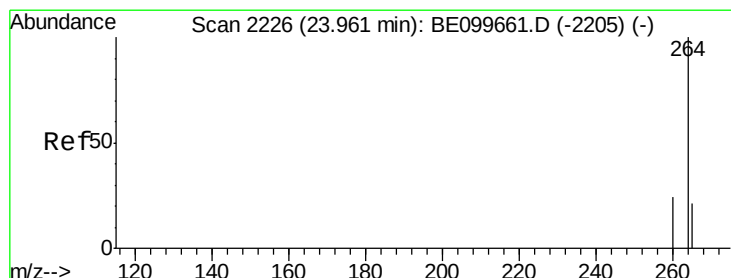
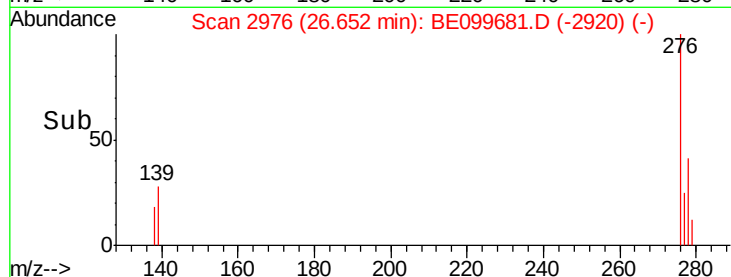
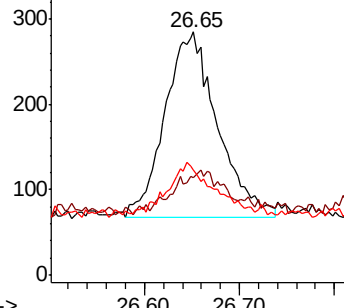
277 25.6 19.2 28.8



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: 23.96 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

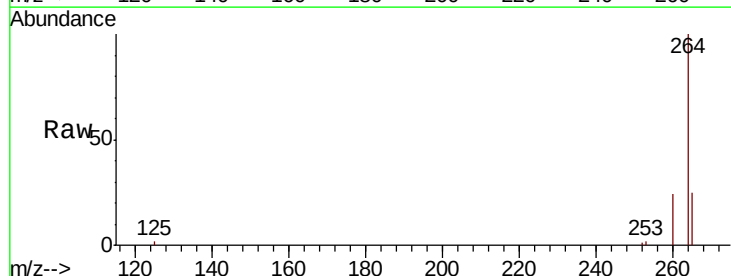
Tgt Ion:264 Resp: 20543

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

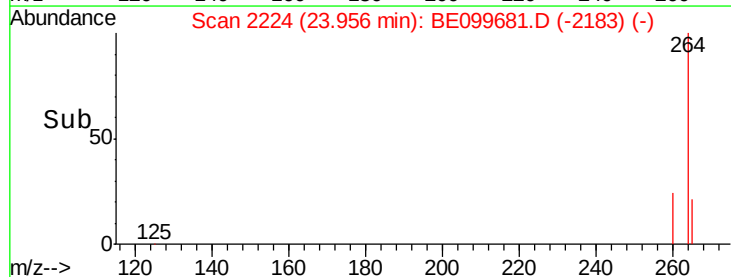
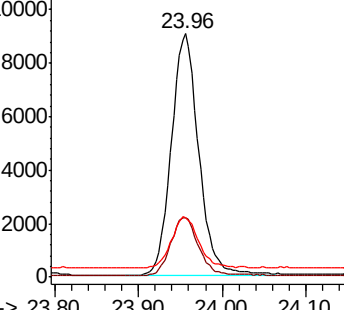
265 24.6 19.1 28.7

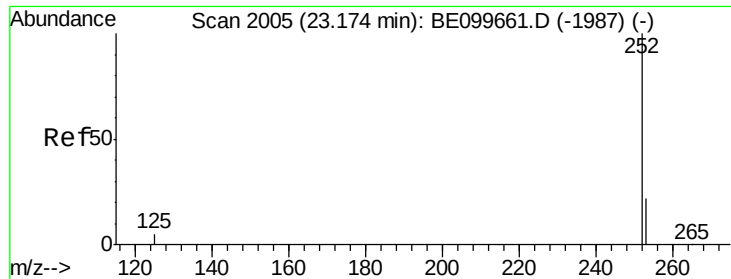


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.014 ng

RT: 23.18 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

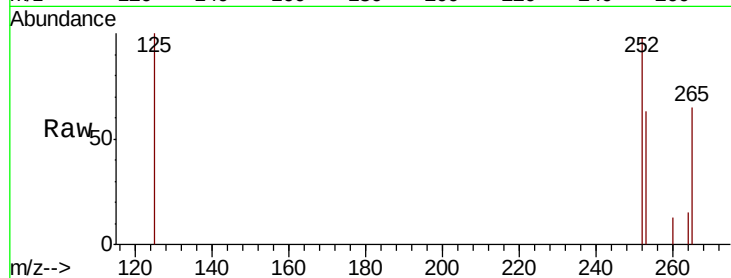
Tgt Ion:252 Resp: 797

Ion Ratio Lower Upper

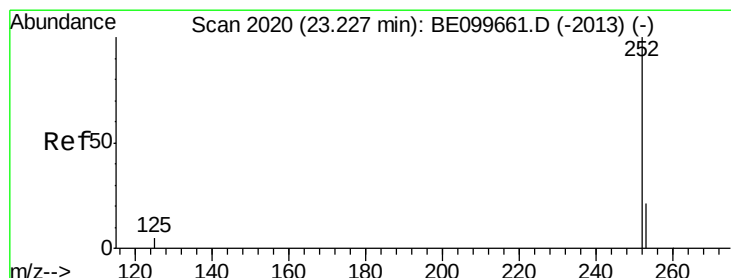
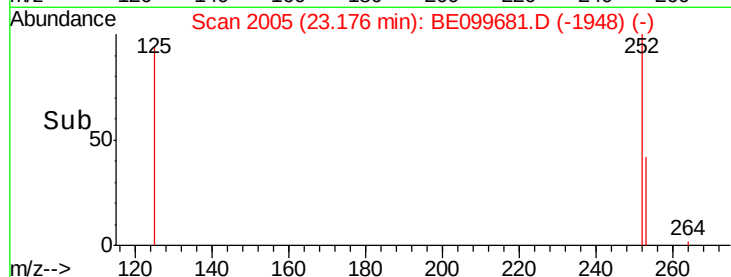
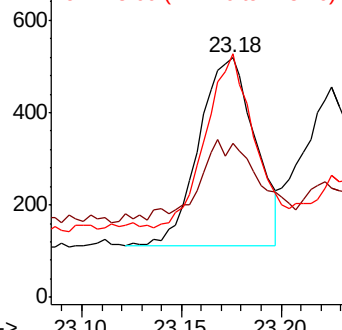
252 100

253 64.5 18.2 27.4#

125 101.7 4.5 6.7#



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



#36

Benzo(k)fluoranthene

Concen: 0.011 ng

RT: 23.23 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

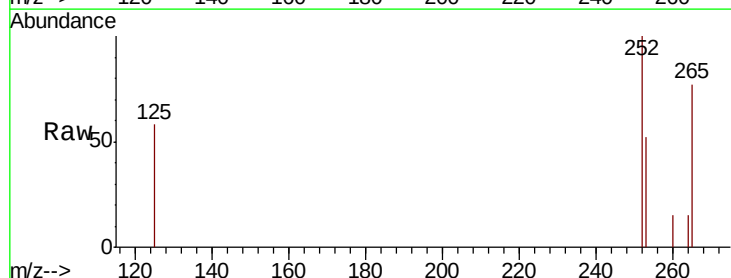
Tgt Ion:252 Resp: 633

Ion Ratio Lower Upper

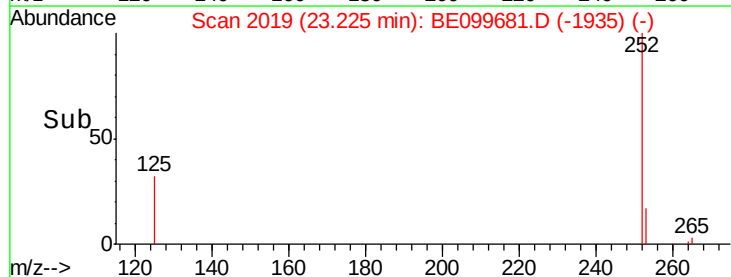
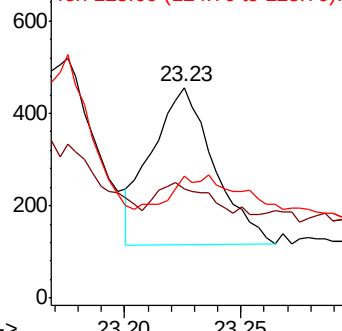
252 100

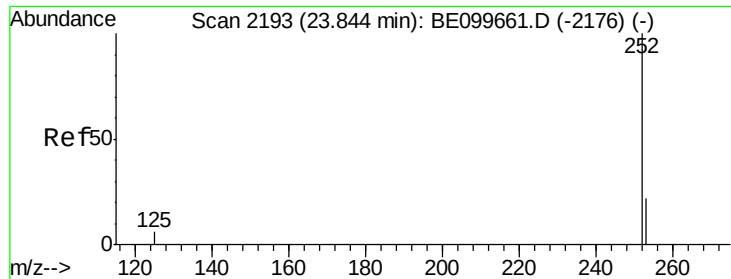
253 51.8 17.8 26.8#

125 58.1 4.6 6.8#



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





#37

Benzo(a)pyrene

Concen: 0.014 ng

RT: 23.84 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)

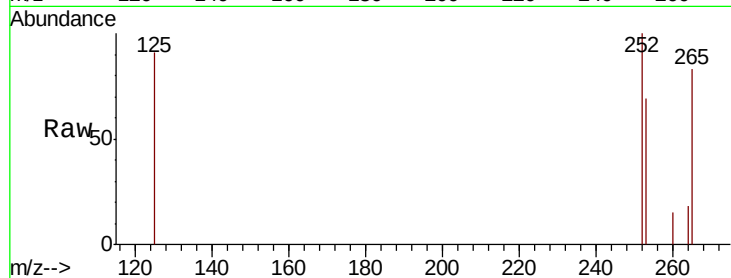
Tgt Ion: 252 Resp: 750

Ion Ratio Lower Upper

252 100

253 68.8 18.9 28.3#

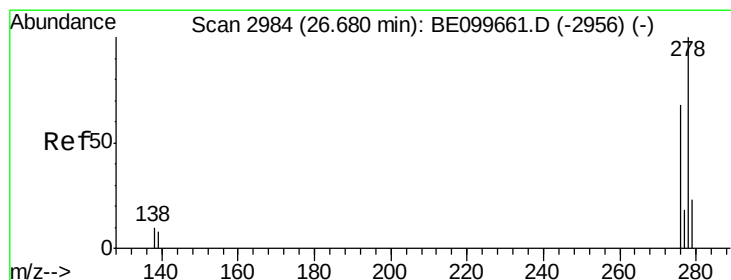
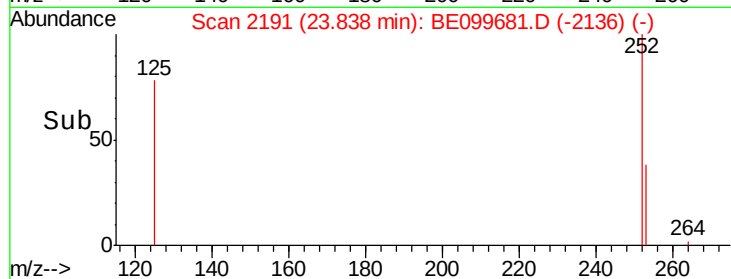
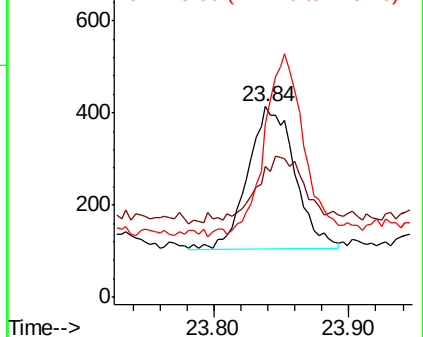
125 90.8 5.4 8.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.009 ng

RT: 26.67 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BE099681.D

Acq: 21 May 2019 3:44

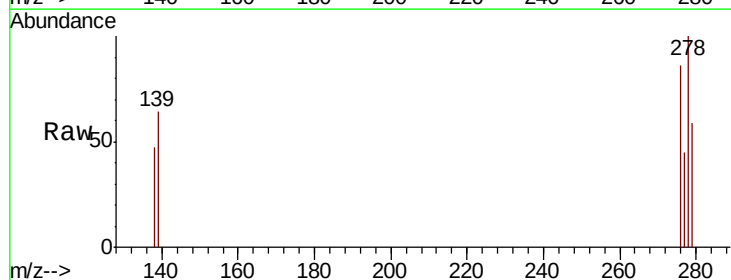
Tgt Ion: 278 Resp: 537

Ion Ratio Lower Upper

278 100

139 64.4 6.9 10.3#

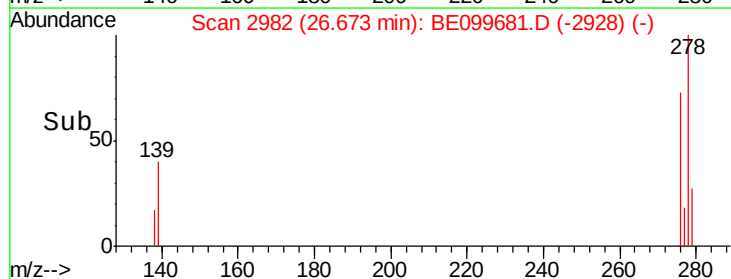
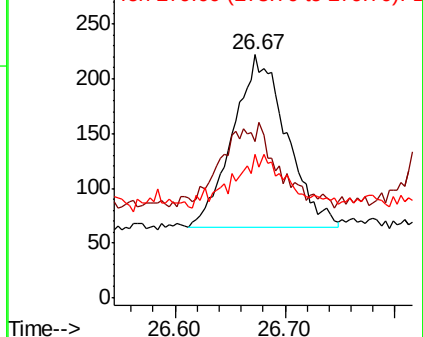
279 59.0 19.2 28.8#

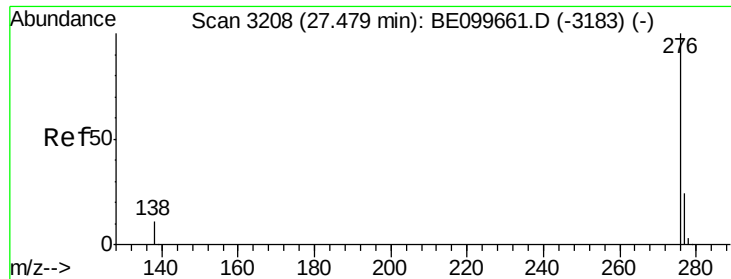


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.010 ng

RT: 27.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE099681.D

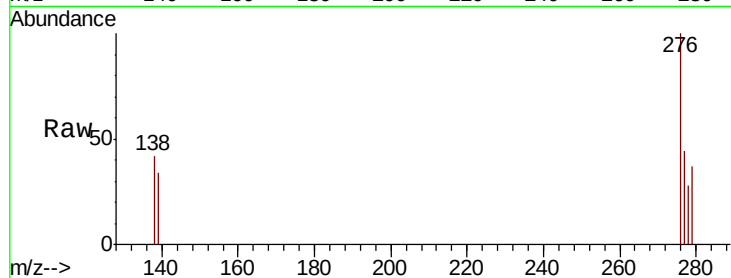
Acq: 21 May 2019 3:44

Instrument :

BNA_E

ClientSampleId :

FESB-4(5-5.5)



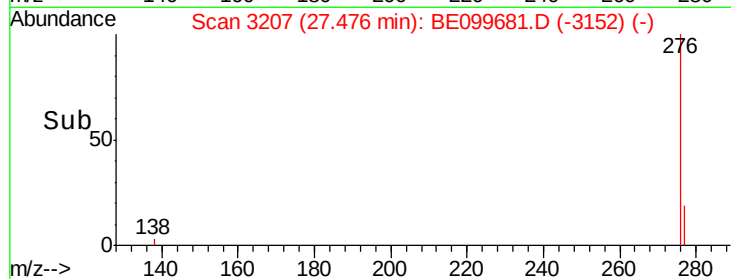
Tgt Ion: 276 Resp: 592

Ion Ratio Lower Upper

276 100

277 43.7 19.8 29.6#

138 42.0 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

