

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099478.D
 Acq On : 2 May 2019 00:22
 Operator : JU/SJ
 Sample : K2533-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-072-B156-042219

Quant Time: May 02 07:43:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	59	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	30	0.40	ng	0.00
13) Acenaphthene-d10	14.44	164	31	0.40	ng	-0.02
19) Phenanthrene-d10	17.19	188	61	0.40	ng	0.00
27) Chrysene-d12	21.37	240	95	0.40	ng	0.00
34) Perylene-d12	23.87	264	15	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	15	0.09	ng	0.00
5) Phenol-d6	6.98	99	16	0.07	ng	0.00
8) Nitrobenzene-d5	8.96	82	25	0.89	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	17	0.31	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	10	0.51	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	33	0.28	ng	-0.02
25) Fluoranthene-d10	19.22	212	174	0.21	ng	0.00
29) Terphenyl-d14	19.82	244	50	0.29	ng	0.00

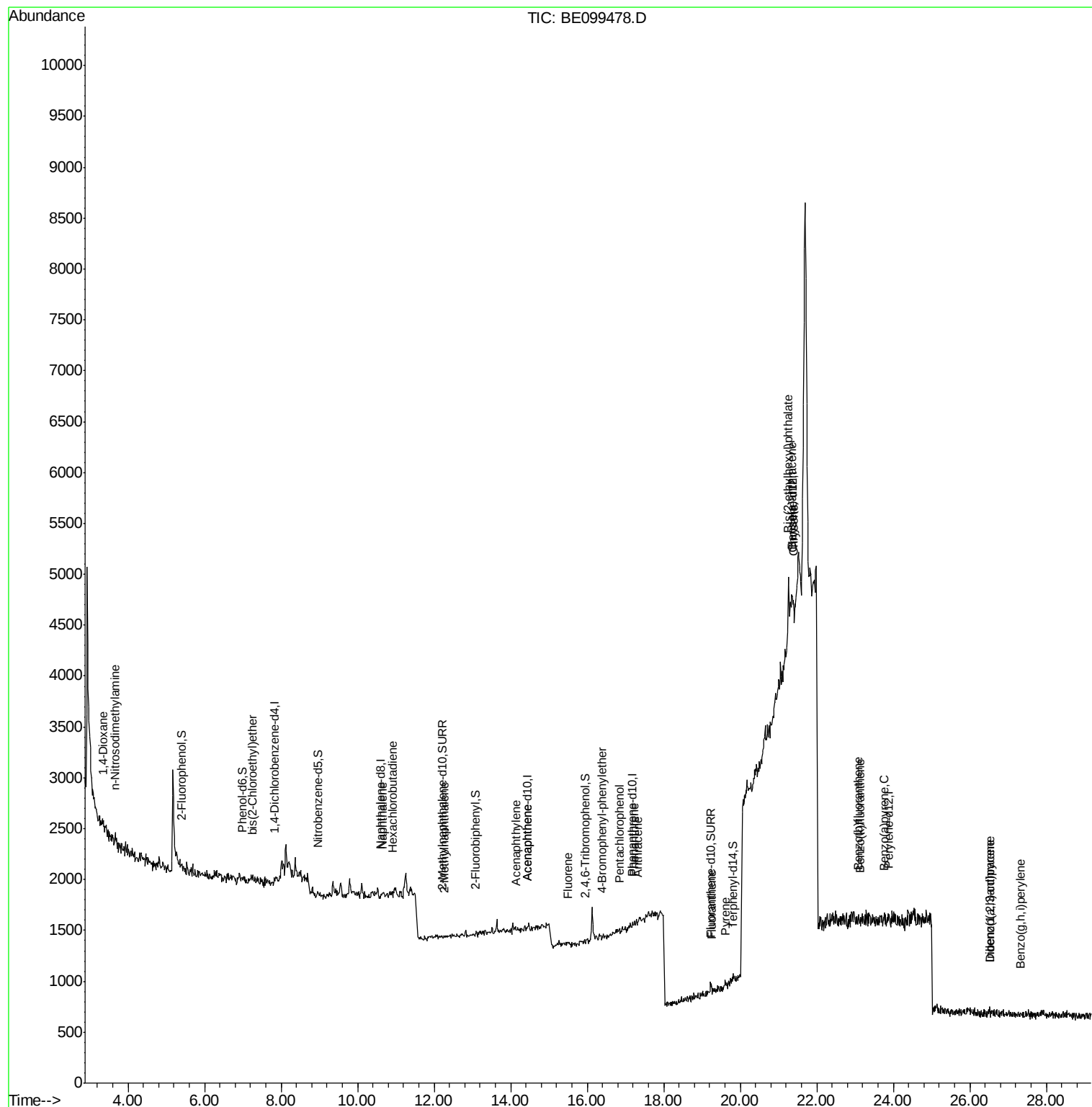
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	22	0.271	ng	# 1
3) n-Nitrosodimethylamine	3.65	42	25	0.511	ng	# 5
6) bis(2-Chloroethyl)ether	7.24	93	43	0.230	ng	# 10
9) Naphthalene	10.65	128	145	0.444	ng	# 43
10) Hexachlorobutadiene	10.91	225	6	0.264	ng	# 18
12) 2-Methylnaphthalene	12.27	142	17	0.299	ng	# 52
16) Acenaphthylene	14.14	152	50	0.330	ng	# 73
17) Acenaphthene	14.44	154	21	0.242	ng	# 3
18) Fluorene	15.49	166	13	0.102	ng	# 35
20) 4-Bromophenyl-phenylether	16.39	248	8	0.225	ng	# 63
22) Pentachlorophenol	16.84	266	24	1.394	ng	# 51
23) Phenanthrene	17.23	178	91	0.578	ng	# 45
24) Anthracene	17.32	178	18	0.120	ng	# 1
26) Fluoranthene	19.25	202	105	0.445	ng	# 78
28) Pyrene	19.61	202	87	0.351	ng	# 54
30) Benzo(a)anthracene	21.34	228	75	0.248	ng	# 1
31) Chrysene	21.39	228	33	0.111	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.26	149	949	2.151	ng	# 91
33) Indeno(1,2,3-cd)pyrene	26.52	276	21	0.060	ng	# 2
35) Benzo(b)fluoranthene	23.09	252	38	0.879	ng	# 1
36) Benzo(k)fluoranthene	23.13	252	15	0.360	ng	# 1
37) Benzo(a)pyrene	23.74	252	51	1.247	ng	# 1
38) Dibenzo(a,h)anthracene	26.52	278	17	0.406	ng	# 1
39) Benzo(g,h,i)perylene	27.32	276	24	0.573	ng	# 1

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

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QLast Update : Mon Apr 29 18:36:43 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: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

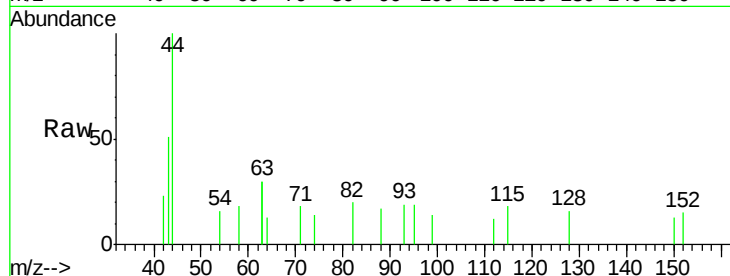
Tot Ion:152 Resp: 59

Ion Ratio Lower Upper

152 100

150 87.3 104.8 157.2#

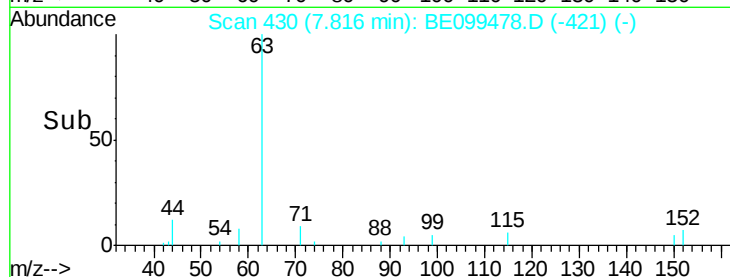
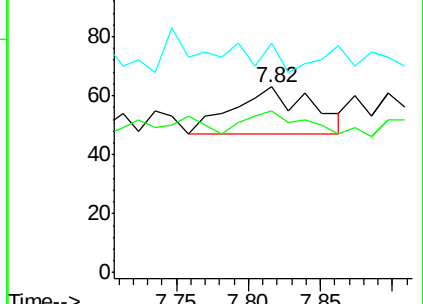
115 123.8 46.6 69.8#



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: 0.271 ng

RT: 3.35 min Scan# 42

Delta R.T. 0.04 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

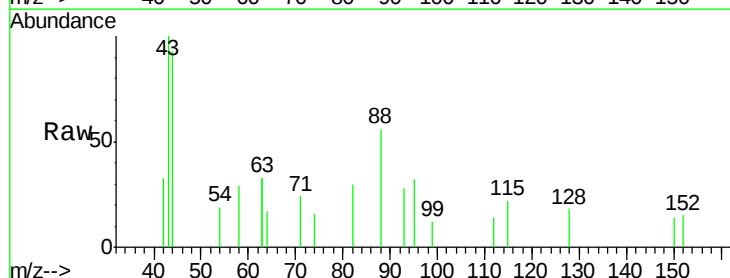
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

58 331.8 51.0 76.6#

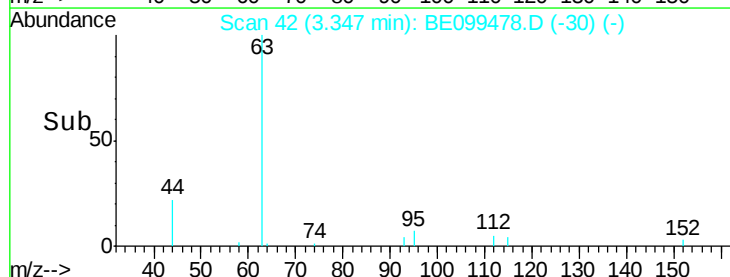
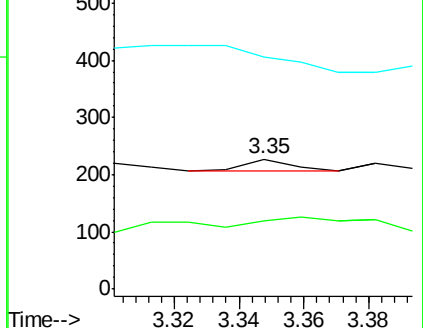
43 0.0 20.6 30.8#

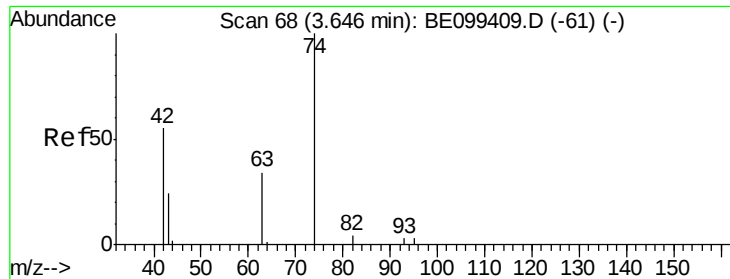


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.511 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

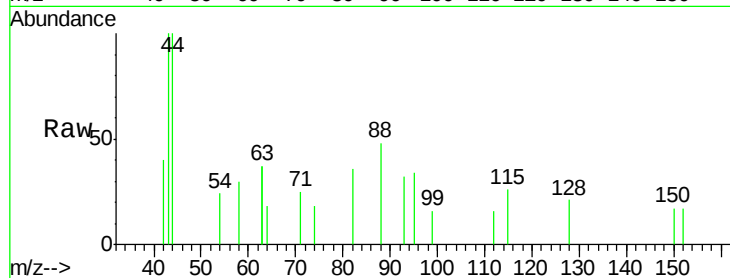
Tot Ion: 42 Resp: 25

Ion Ratio Lower Upper

42 100

74 44.0 141.6 212.4#

44 0.0 0.0 0.0

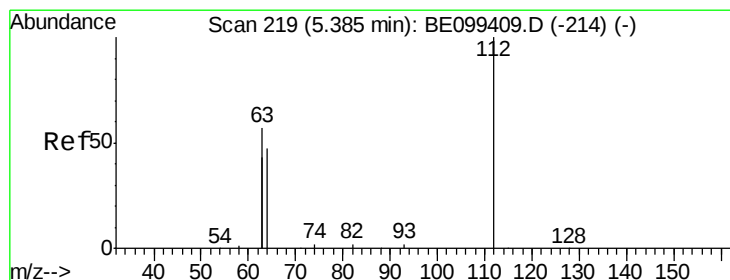
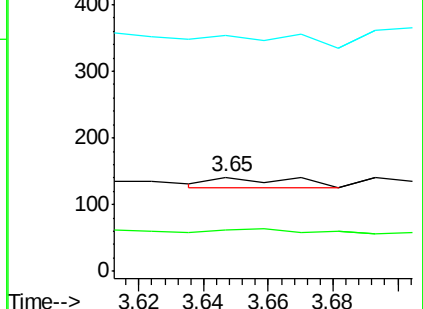
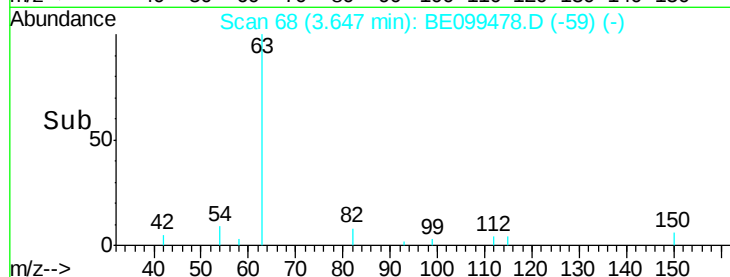


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

Time-->



#4

2-Fluorophenol

Concen: 0.092 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

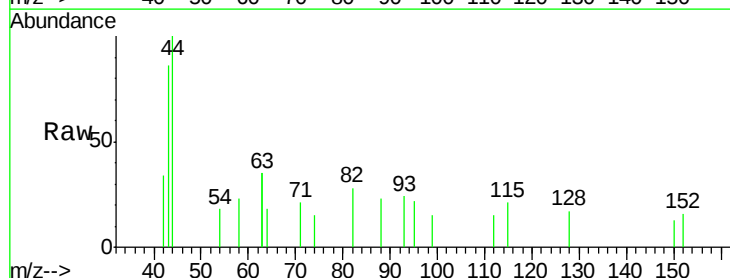
Tgt Ion: 112 Resp: 15

Ion Ratio Lower Upper

112 100

64 0.0 47.4 71.0#

63 460.0 104.3 156.5#

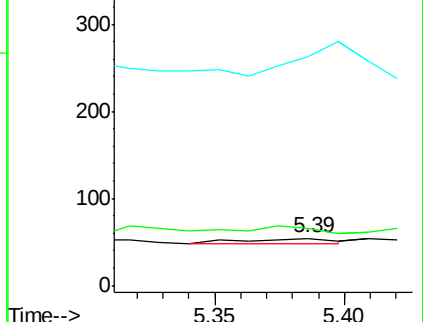
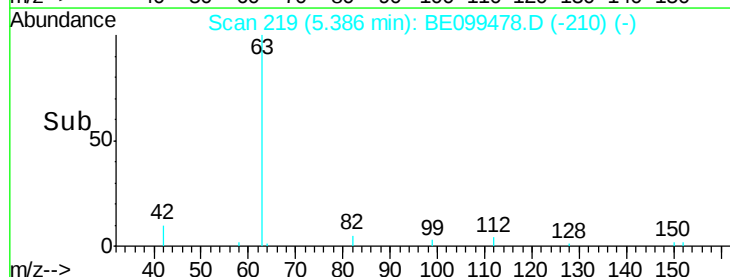


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->





#5

Phenol-d6

Concen: 0.074 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

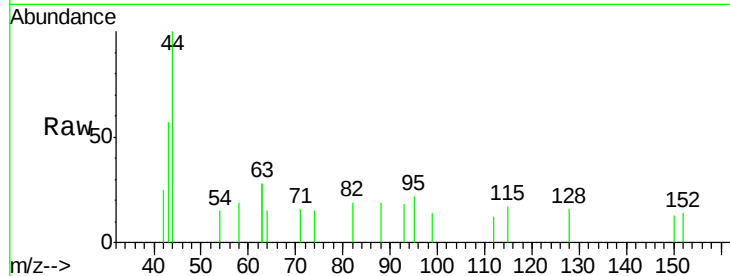
Tot Ion: 99 Resp: 16

Ion Ratio Lower Upper

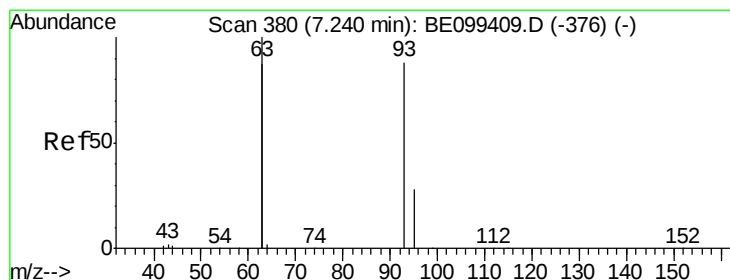
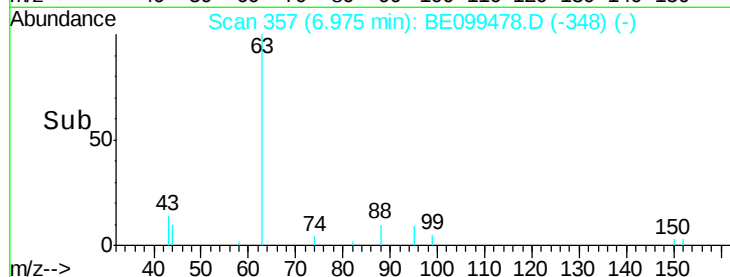
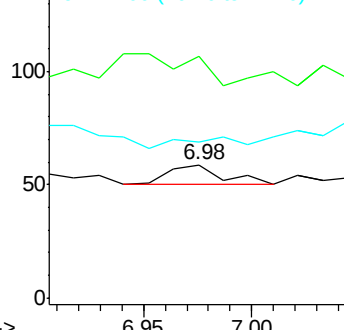
99 100

42 0.0 14.9 22.3#

71 0.0 33.0 49.6#



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: 0.230 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

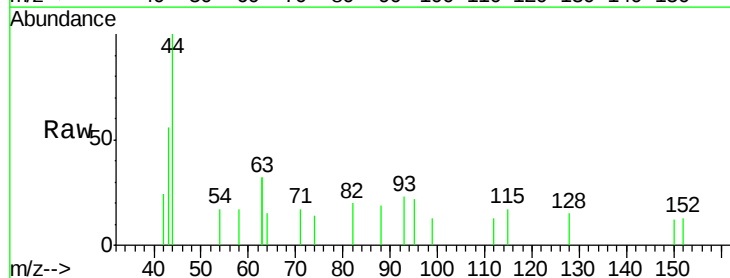
Tgt Ion: 93 Resp: 43

Ion Ratio Lower Upper

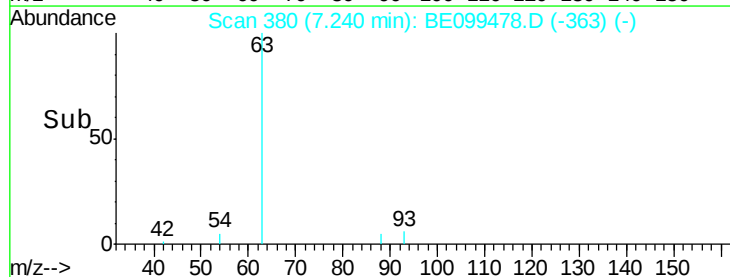
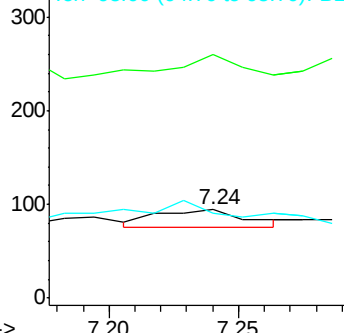
93 100

63 144.2 215.6 323.4#

95 183.7 26.2 39.2#



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: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

Tot Ion:136 Resp: 30

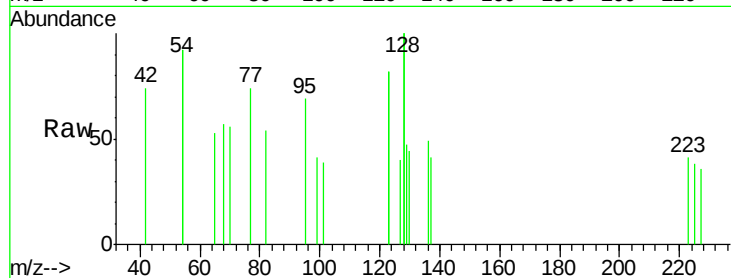
Ion Ratio Lower Upper

136 100

137 84.6 9.8 14.8#

54 375.4 18.5 27.7#

68 116.9 4.7 7.1#

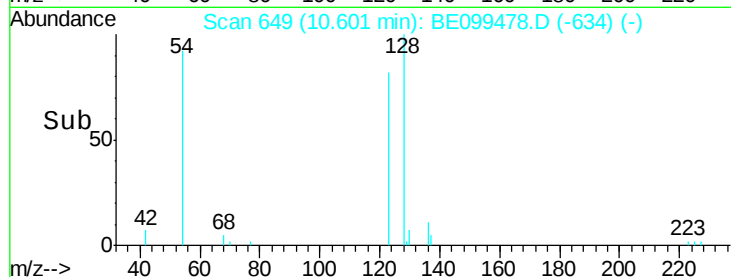


Abundance Ion 136.00 (135.70 to 136.70): E

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



Time--> 10.50 10.55 10.60 10.65



#8

Nitrobenzene-d5

Concen: 0.889 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

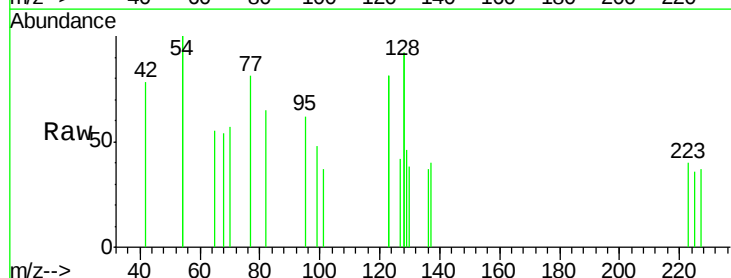
Tgt Ion: 82 Resp: 25

Ion Ratio Lower Upper

82 100

128 282.8 107.0 160.4#

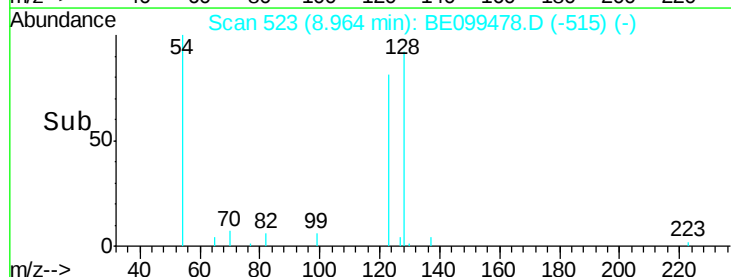
54 308.0 113.1 169.7#



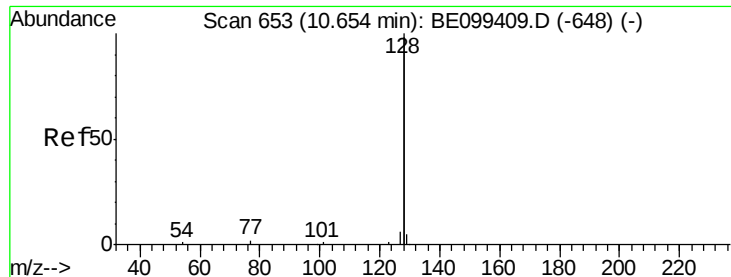
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time--> 8.92 8.94 8.96 8.98 9.00



#9

Naphthalene

Concen: 0.444 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

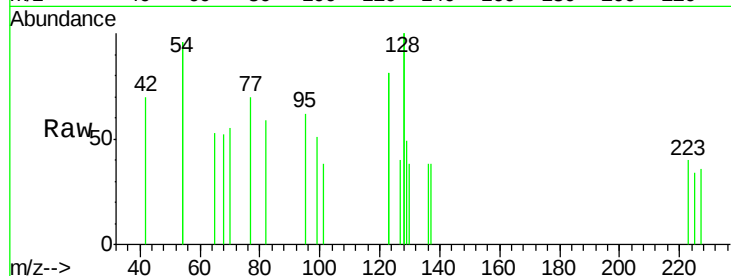
Tot Ion:128 Resp: 145

Ion Ratio Lower Upper

128 100

129 24.6 2.4 3.6#

127 20.2 2.8 4.2#



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

10.65

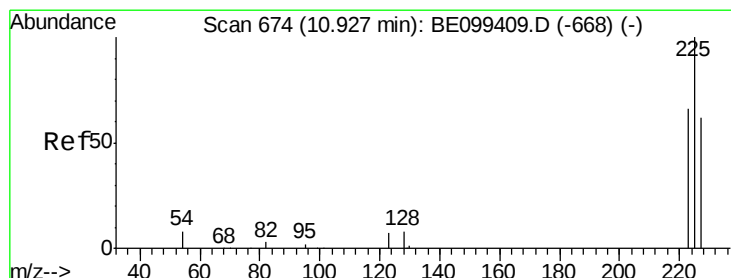
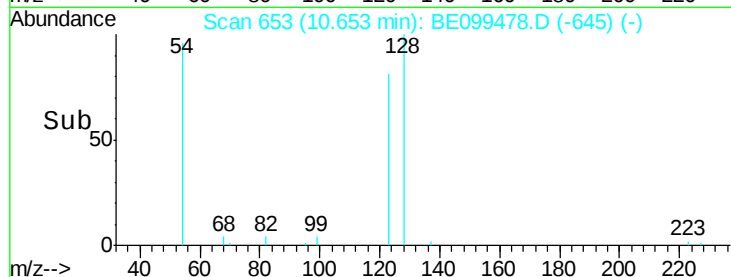
200

100

0

10.55 10.60 10.65 10.70

Time-->



#10

Hexachlorobutadiene

Concen: 0.264 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.01 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

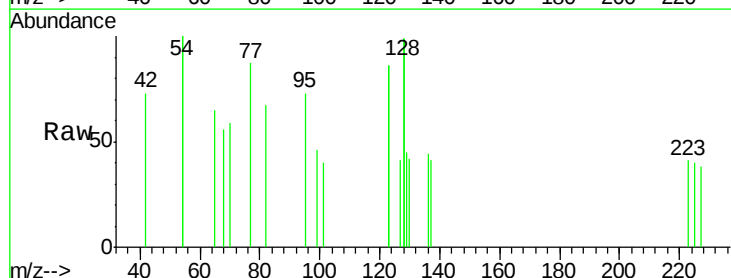
Tgt Ion:225 Resp: 6

Ion Ratio Lower Upper

225 100

223 0.0 51.0 76.6#

227 0.0 50.9 76.3#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

10.91

60

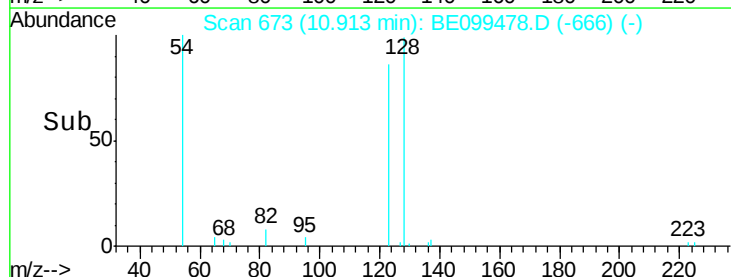
40

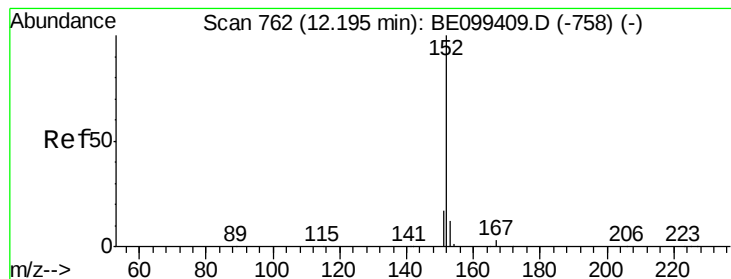
20

0

10.90 10.92 10.94

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.315 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

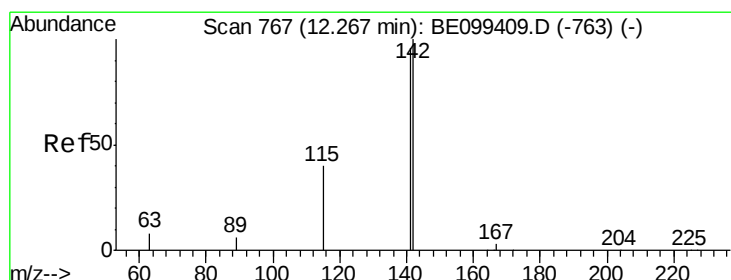
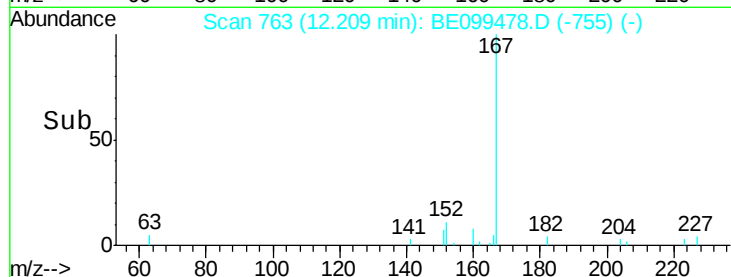
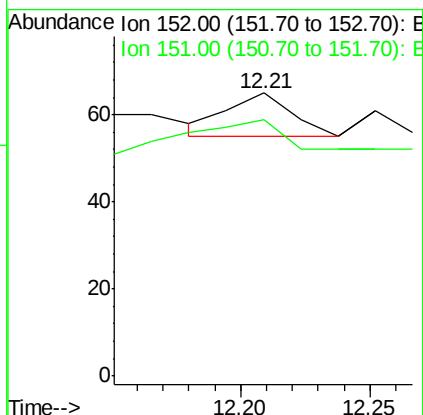
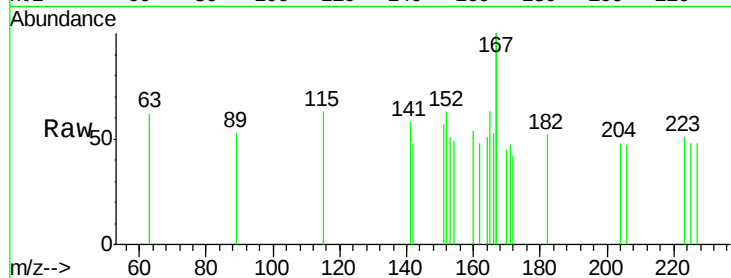
PST-072-B156-042219

Tot Ion:152 Resp: 17

Ion Ratio Lower Upper

152 100

151 176.5 15.5 23.3#



#12

2-Methylnaphthalene

Concen: 0.299 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

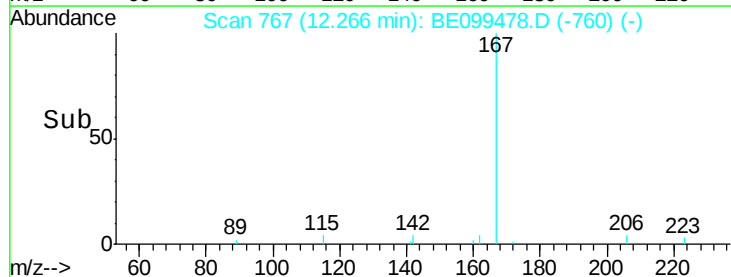
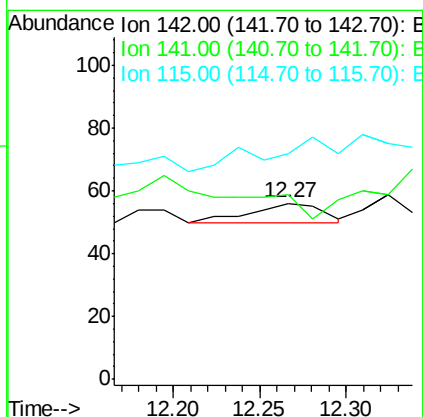
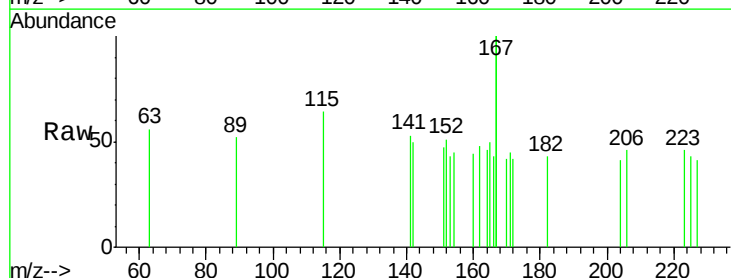
Tgt Ion:142 Resp: 17

Ion Ratio Lower Upper

142 100

141 105.4 77.0 115.4

115 128.6 33.4 50.0#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.44 min Scan# 918

Delta R.T. -0.02 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

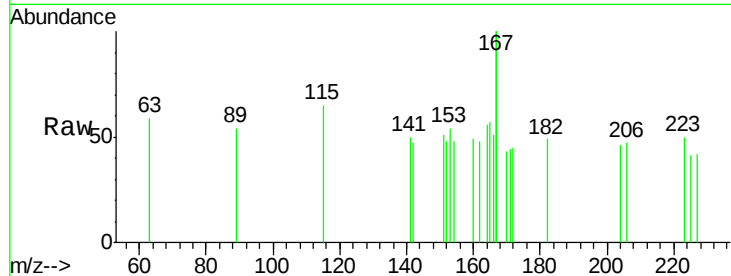
Tot Ion:164 Resp: 31

Ion Ratio Lower Upper

164 100

162 85.9 79.0 118.4

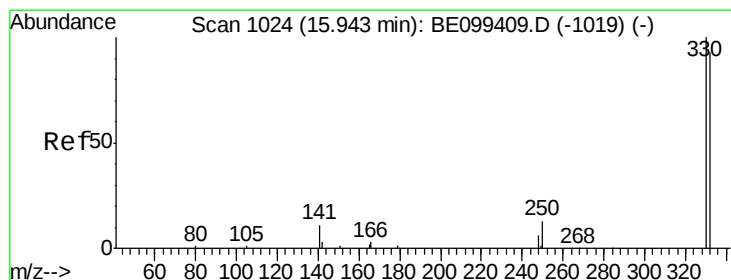
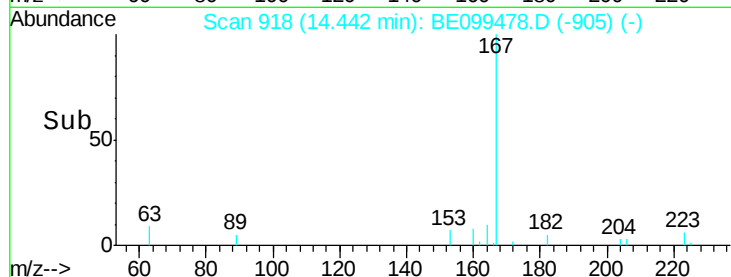
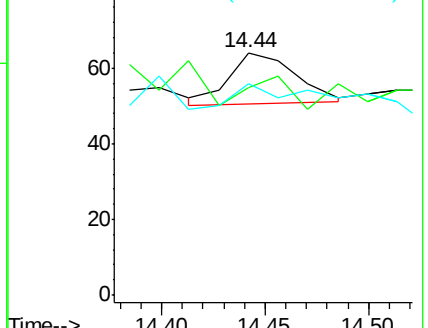
160 87.5 37.0 55.4#



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: 0.512 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

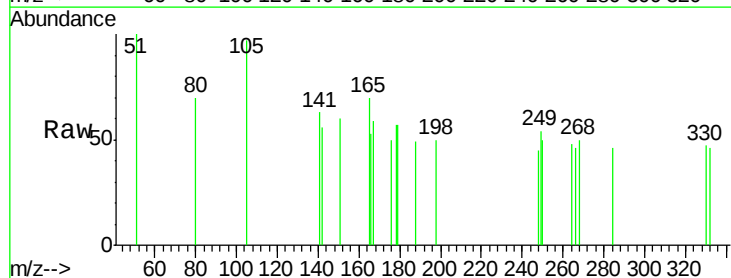
Tgt Ion:330 Resp: 10

Ion Ratio Lower Upper

330 100

332 120.0 71.5 107.3#

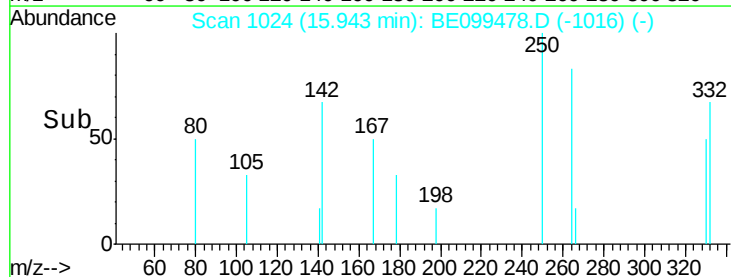
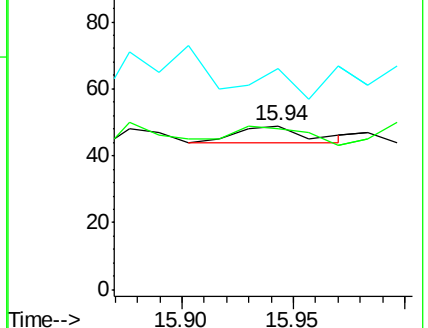
141 70.0 24.0 36.0#

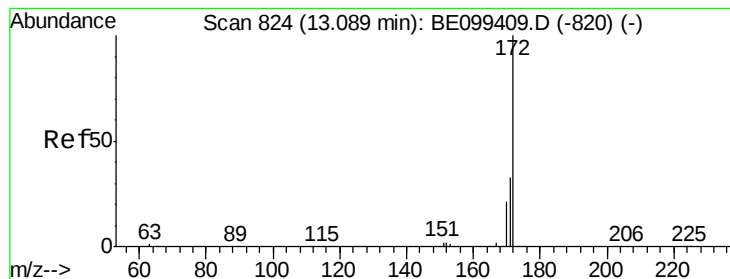


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.279 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

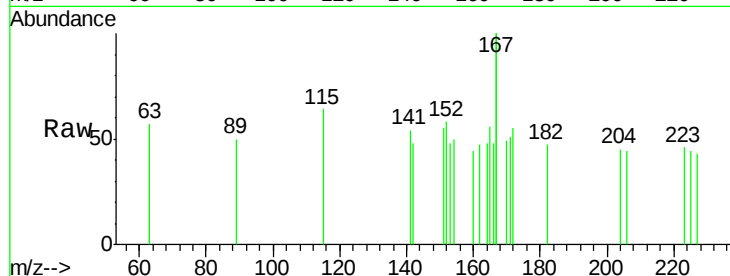
Tot Ion:172 Resp: 33

Ion Ratio Lower Upper

172 100

171 93.3 26.6 39.8#

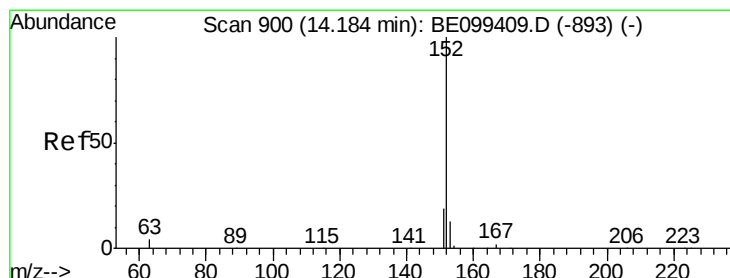
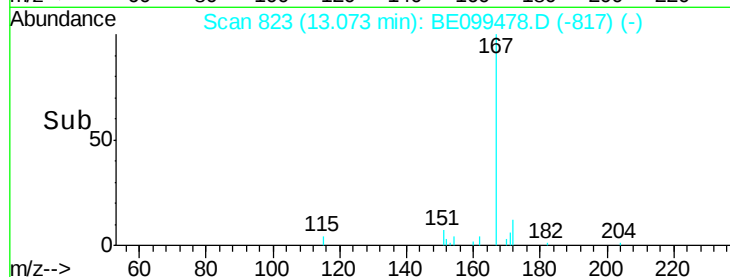
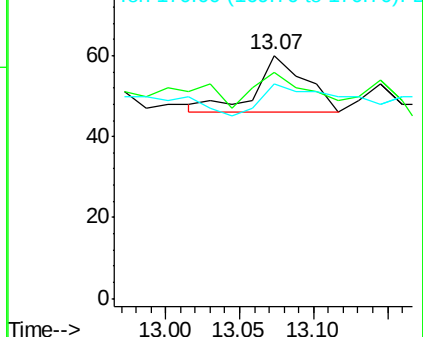
170 88.3 17.0 25.6#



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: 0.330 ng

RT: 14.14 min Scan# 897

Delta R.T. -0.04 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

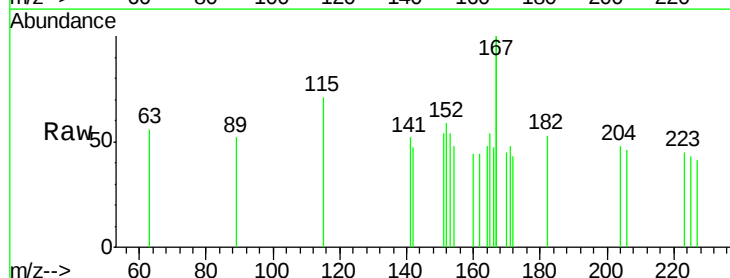
Tgt Ion:152 Resp: 50

Ion Ratio Lower Upper

152 100

151 30.0 15.4 23.2#

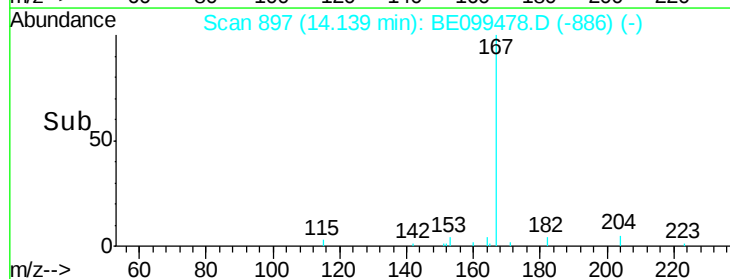
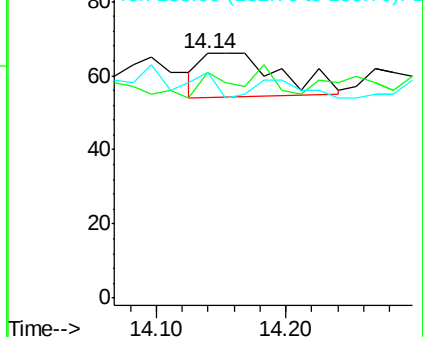
153 0.0 9.8 14.6#

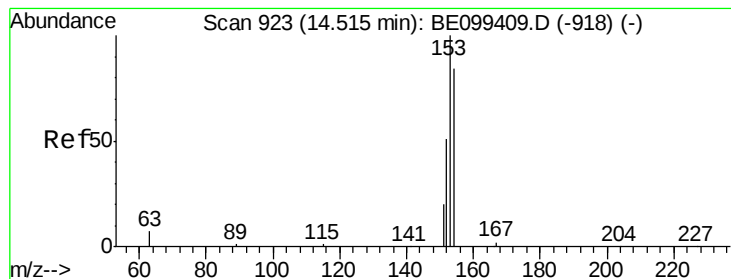


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.242 ng

RT: 14.44 min Scan# 918

Delta R.T. -0.07 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

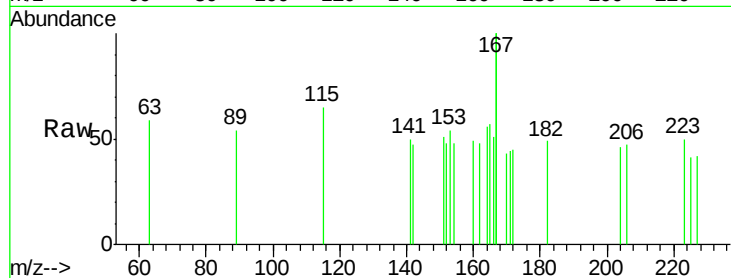
Tot Ion:154 Resp: 21

Ion Ratio Lower Upper

154 100

153 0.0 92.6 138.8#

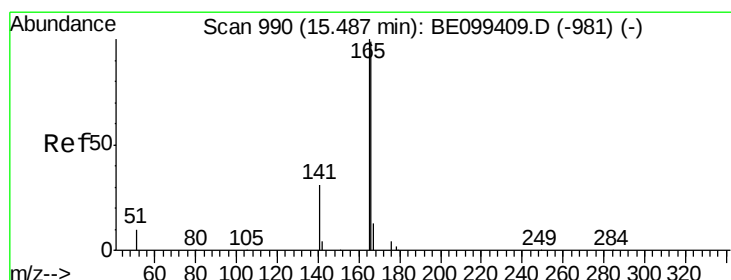
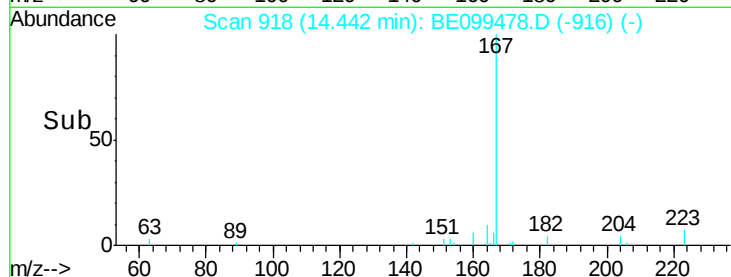
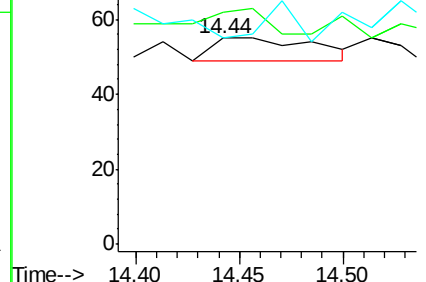
152 0.0 45.8 68.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.102 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

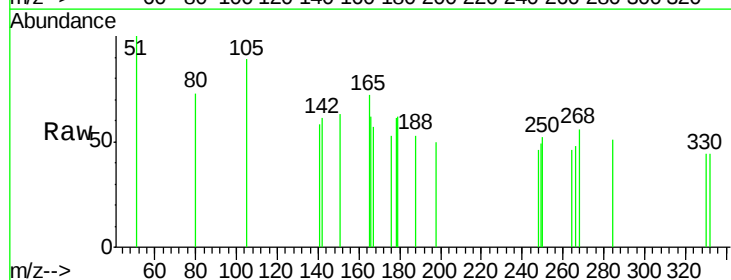
Tgt Ion:166 Resp: 13

Ion Ratio Lower Upper

166 100

165 169.2 80.3 120.5#

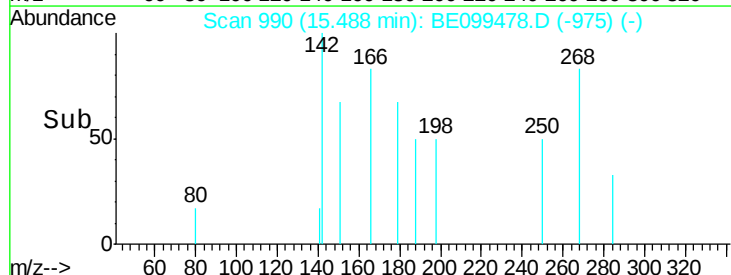
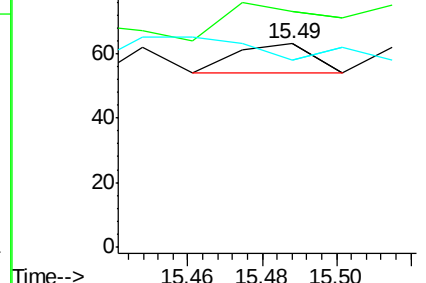
167 0.0 10.7 16.1#

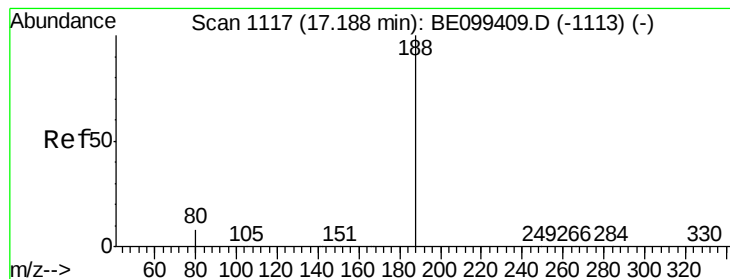


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

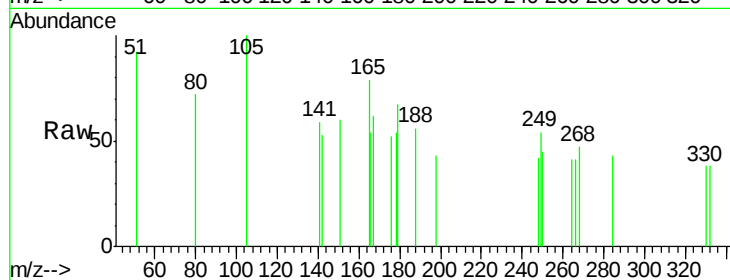
Tot Ion:188 Resp: 61

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 127.5 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

120

100

80

60

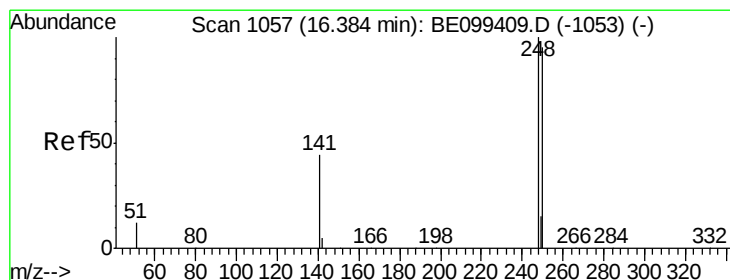
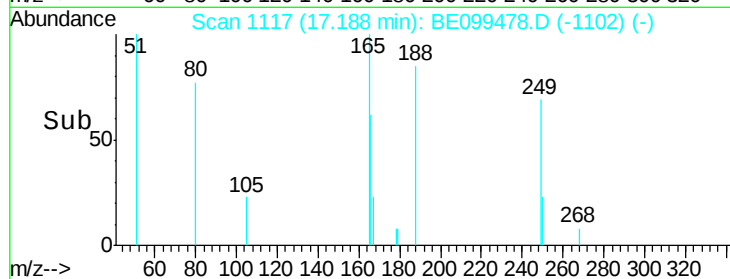
40

20

0

17.10 17.20 17.30

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.225 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

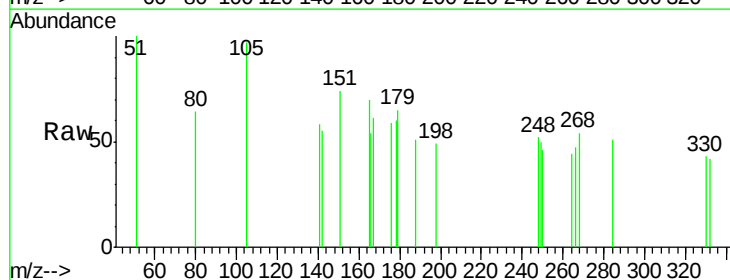
Tgt Ion:248 Resp: 8

Ion Ratio Lower Upper

248 100

250 89.1 75.8 113.8

141 112.7 35.7 53.5#



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

100

80

60

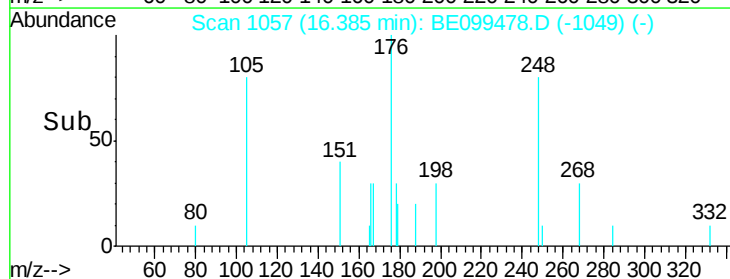
40

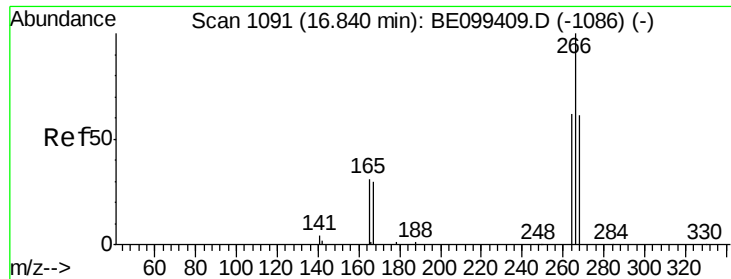
20

0

16.35 16.40

Time-->





#22

Pentachlorophenol

Concen: 1.394 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

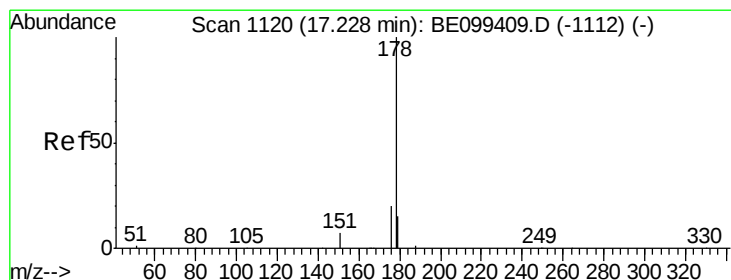
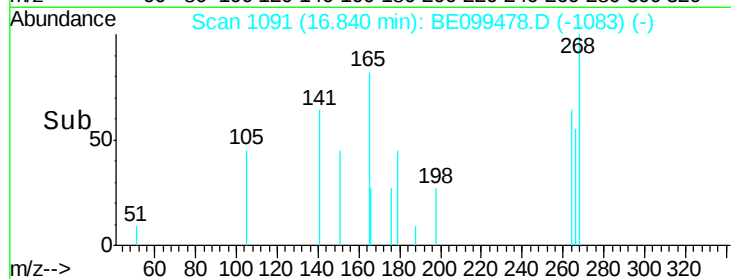
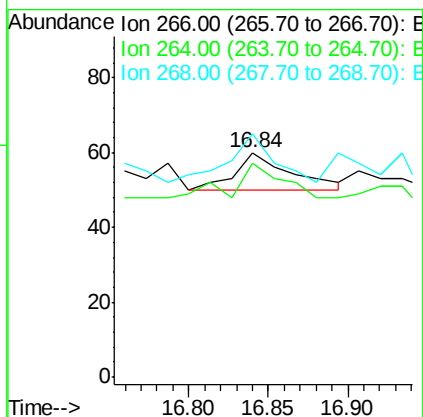
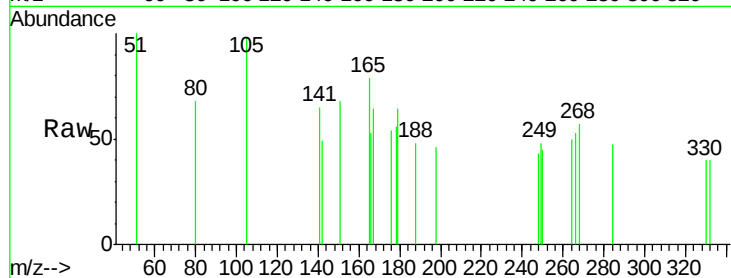
Tot Ion:266 Resp: 24

Ion Ratio Lower Upper

266 100

264 95.0 50.8 76.2#

268 108.3 50.5 75.7#



#23

Phenanthrene

Concen: 0.578 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

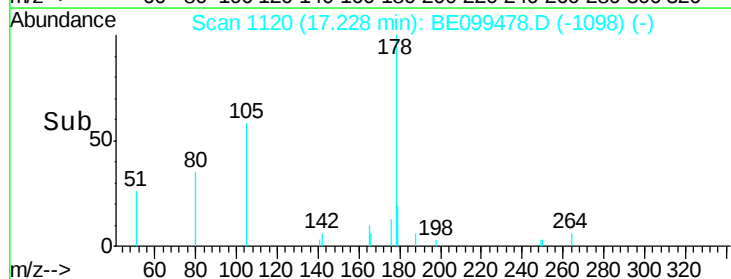
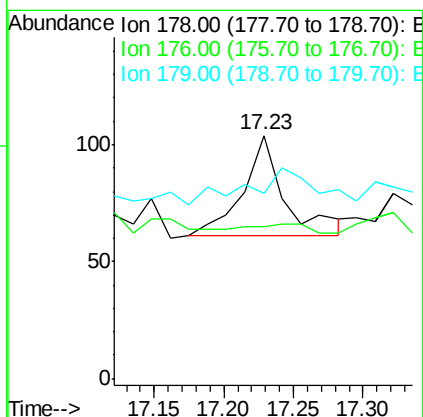
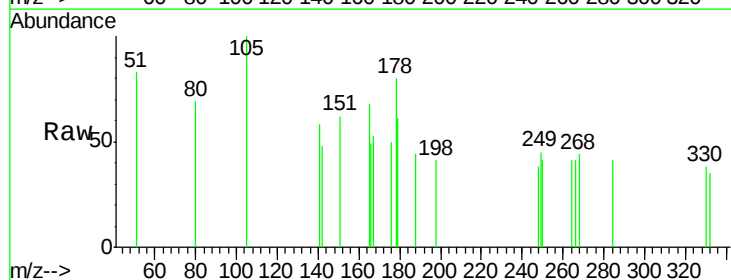
Tgt Ion:178 Resp: 91

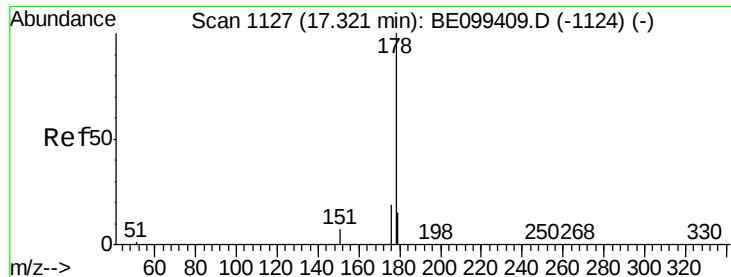
Ion Ratio Lower Upper

178 100

176 25.3 15.6 23.4#

179 60.4 12.0 18.0#





#24

Anthracene

Concen: 0.120 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

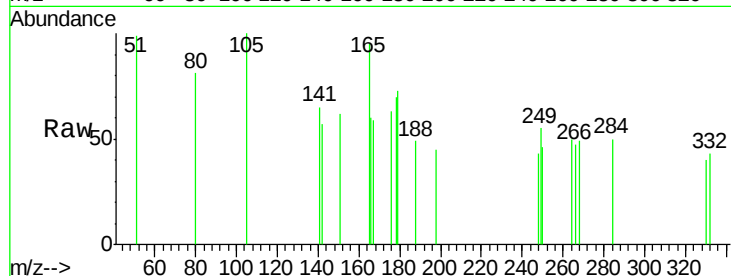
Tot Ion:178 Resp: 18

Ion Ratio Lower Upper

178 100

176 105.6 14.9 22.3#

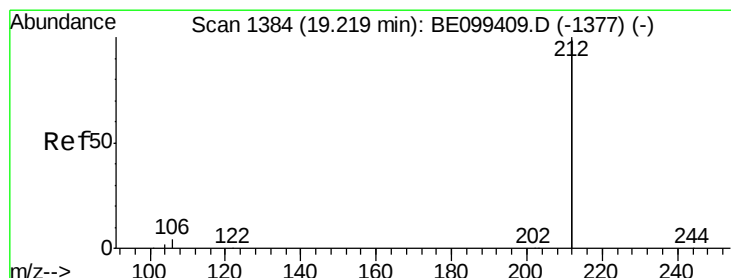
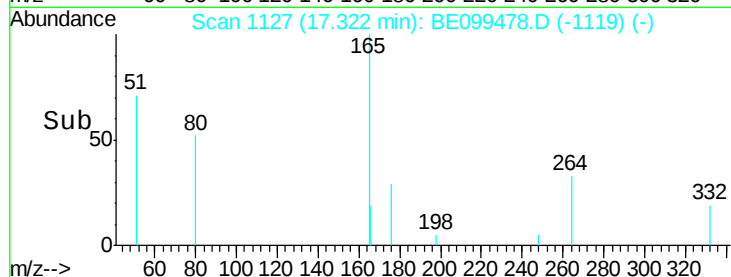
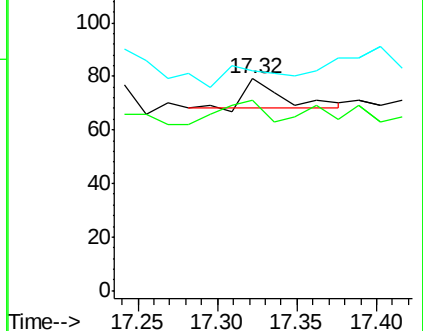
179 100.0 11.9 17.9#



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: 0.212 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

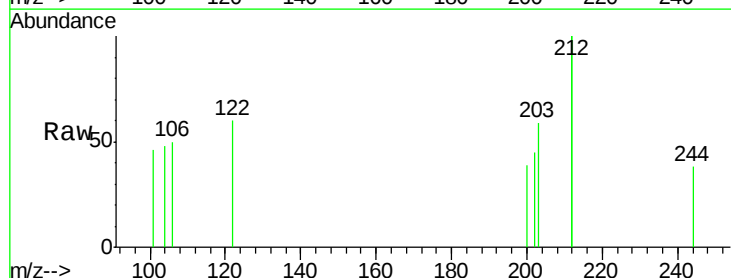
Tgt Ion:212 Resp: 174

Ion Ratio Lower Upper

212 100

106 0.0 1.5 2.3#

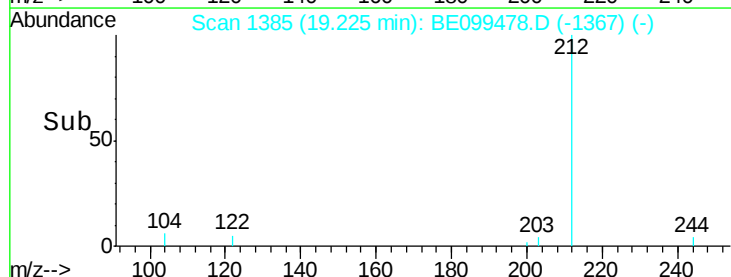
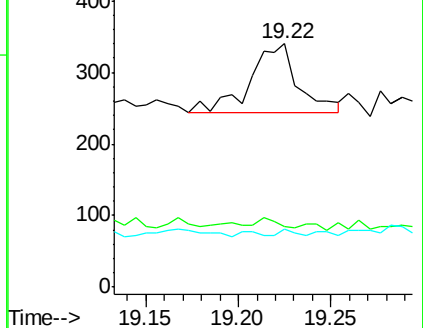
104 2.9 0.9 1.3#

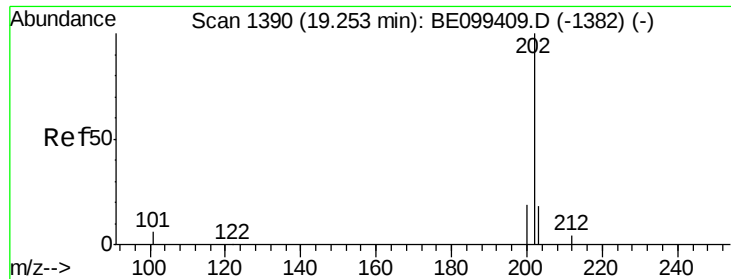


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.445 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

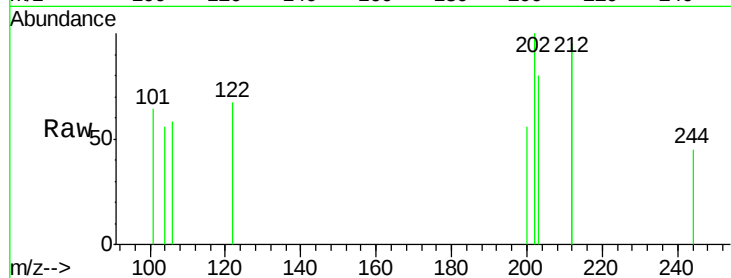
Tot Ion:202 Resp: 105

Ion Ratio Lower Upper

202 100

101 28.6 5.4 8.0#

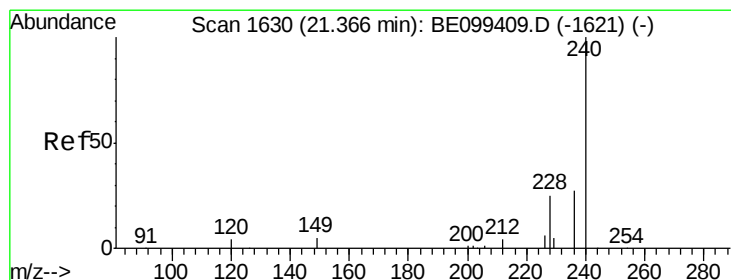
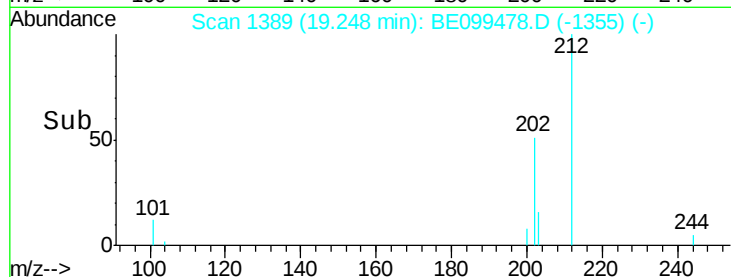
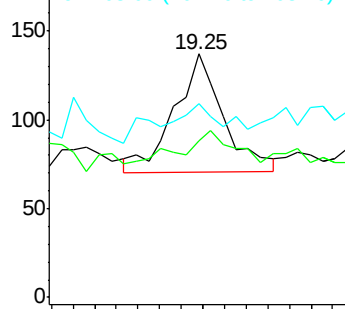
203 20.0 13.9 20.9



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: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

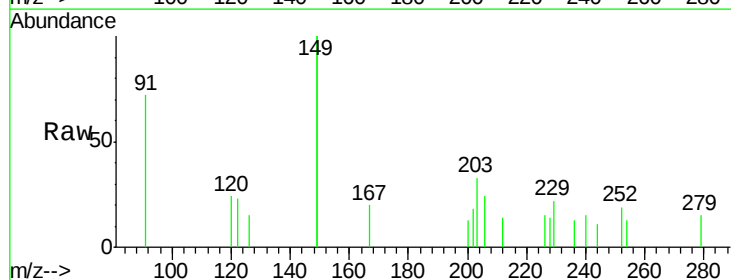
Tgt Ion:240 Resp: 95

Ion Ratio Lower Upper

240 100

120 159.0 4.0 6.0#

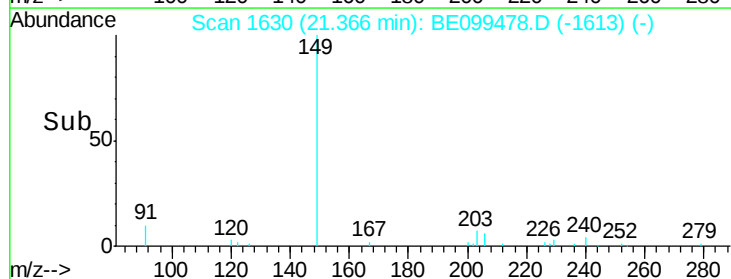
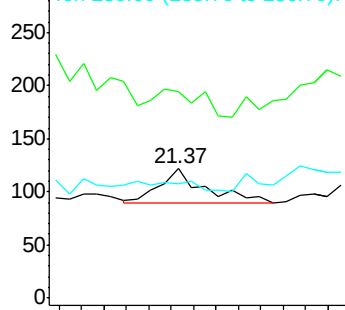
236 87.7 22.0 33.0#

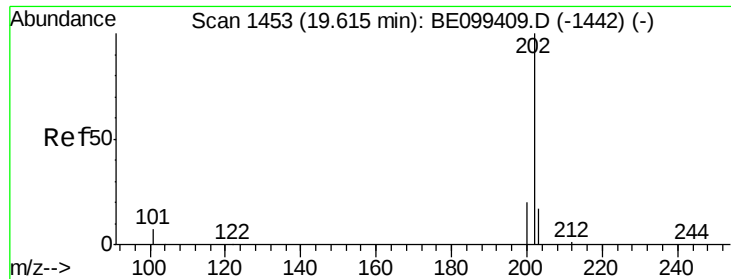


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

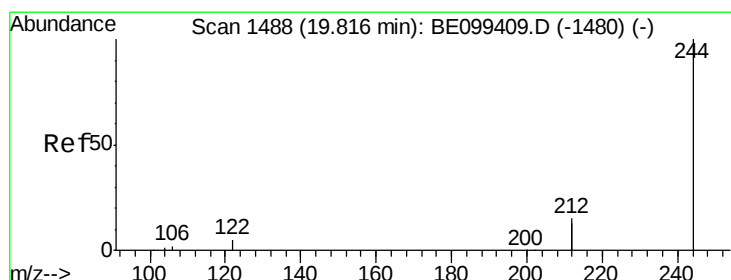
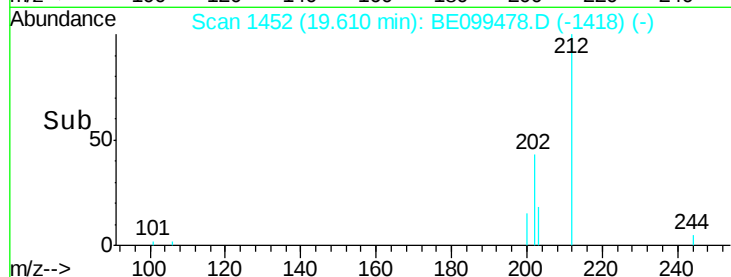
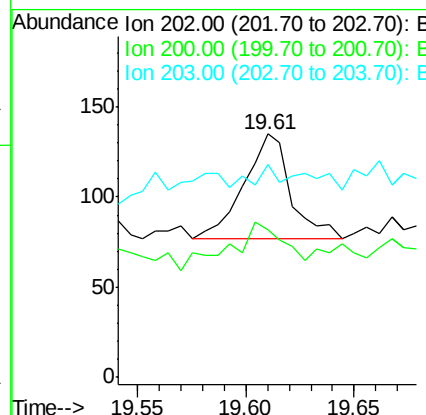
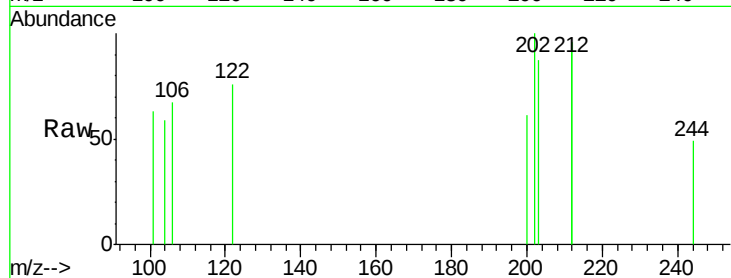




#28
Pvrene
Concen: 0.351 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

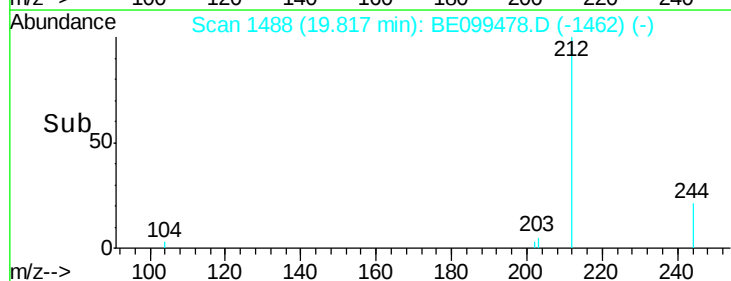
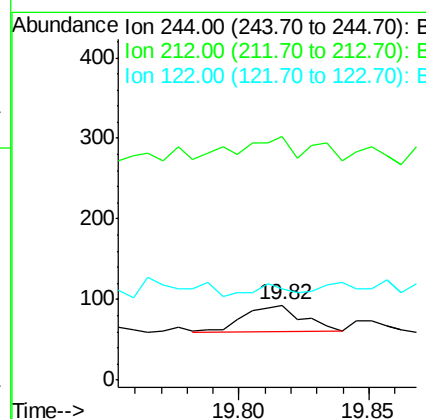
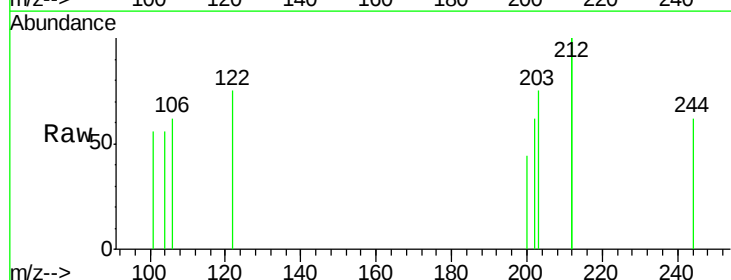
Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

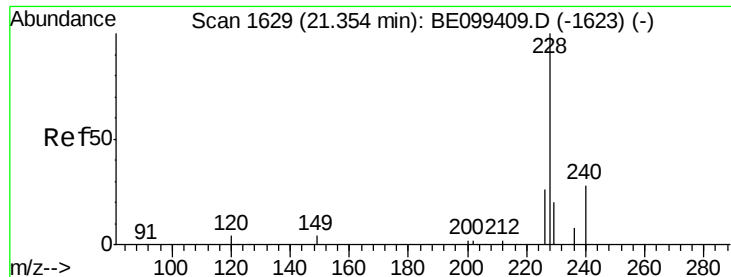
Tot Ion:202 Resp: 87
Ion Ratio Lower Upper
202 100
200 55.2 15.7 23.5#
203 12.6 13.9 20.9#



#29
Terphenyl-d14
Concen: 0.287 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:244 Resp: 50
Ion Ratio Lower Upper
244 100
212 324.7 23.2 34.8#
122 122.6 4.2 6.4#





#30

Benzo(a)anthracene

Concen: 0.248 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

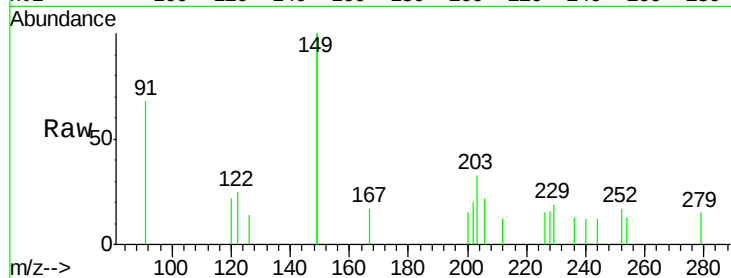
Tot Ion:228 Resp: 75

Ion Ratio Lower Upper

228 100

226 91.7 21.0 31.6#

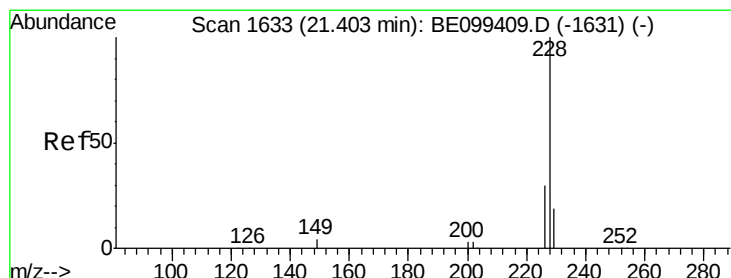
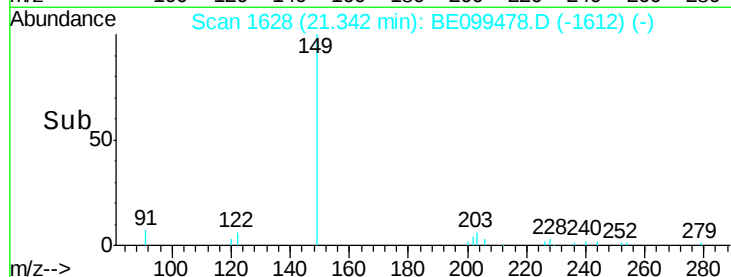
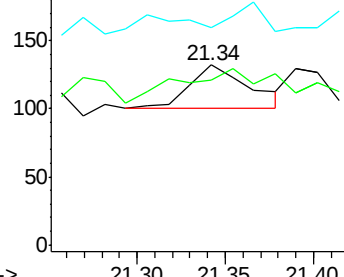
229 121.2 16.6 25.0#



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: 0.111 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

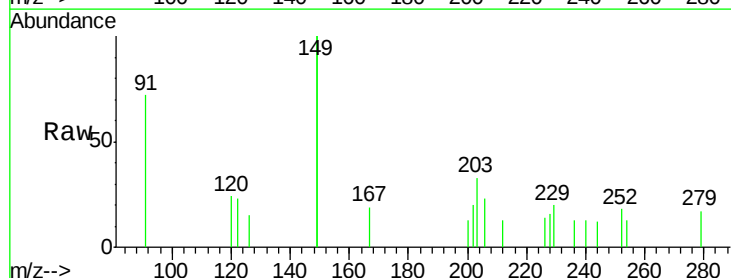
Tgt Ion:228 Resp: 33

Ion Ratio Lower Upper

228 100

226 86.2 24.0 36.0#

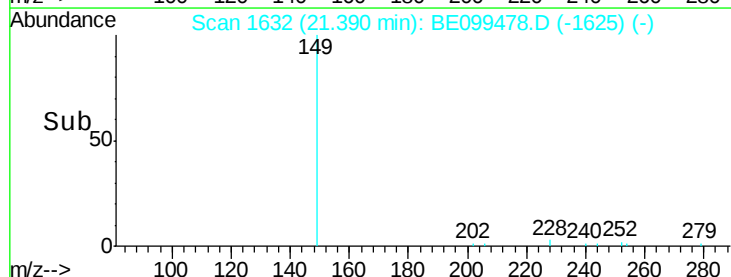
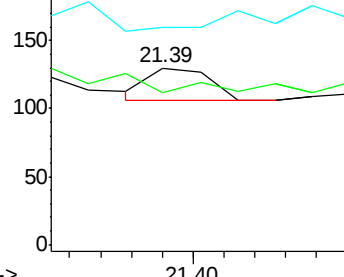
229 123.1 15.8 23.8#

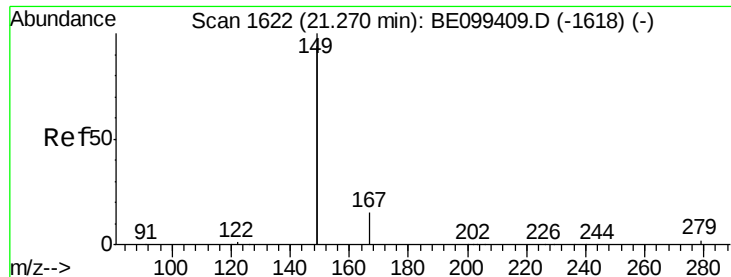


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 2.151 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

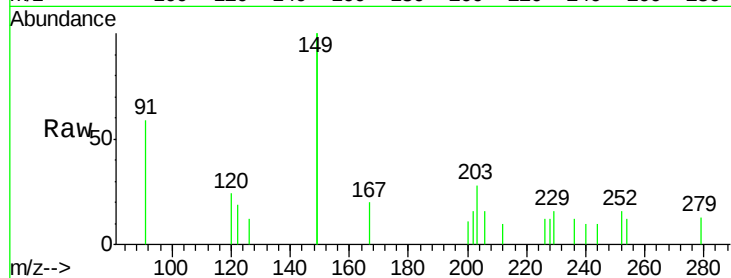
Tot Ion:149 Resp: 949

Ion Ratio Lower Upper

149 100

167 10.2 5.8 8.6#

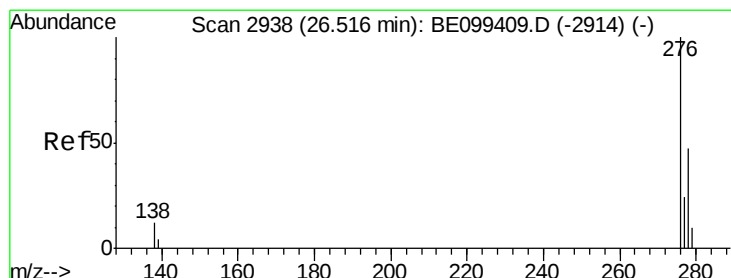
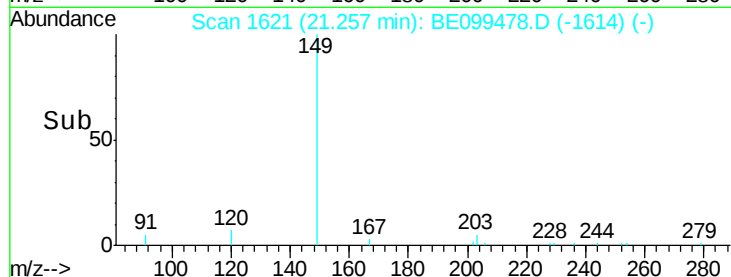
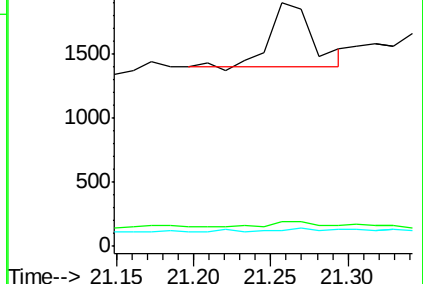
279 5.2 1.0 1.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.060 ng

RT: 26.52 min Scan# 2940

Delta R.T. 0.01 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

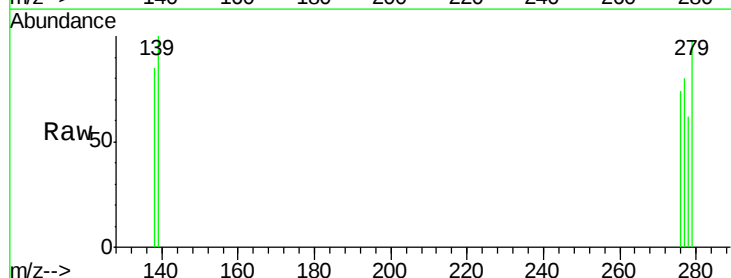
Tgt Ion:276 Resp: 21

Ion Ratio Lower Upper

276 100

138 123.8 10.2 15.2#

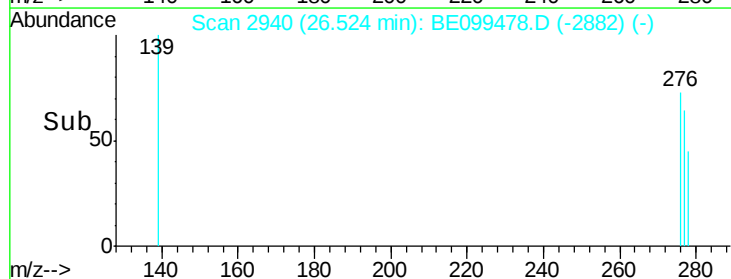
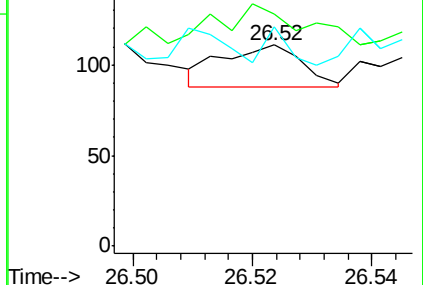
277 23.8 19.2 28.8

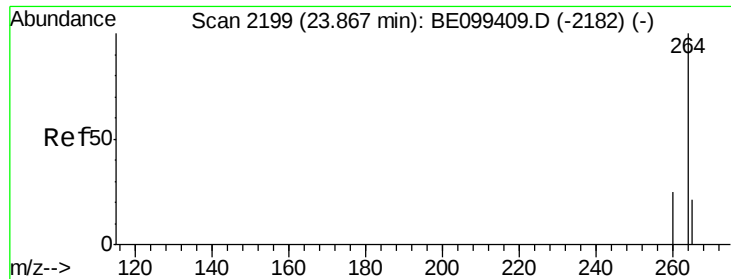


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

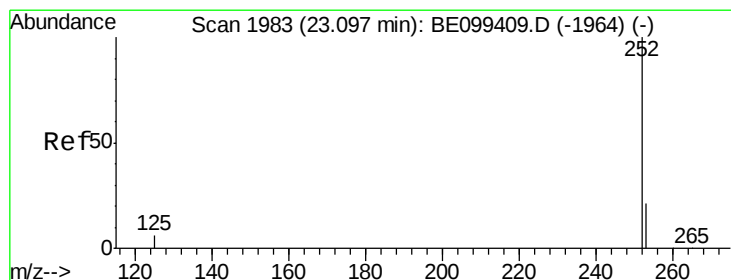
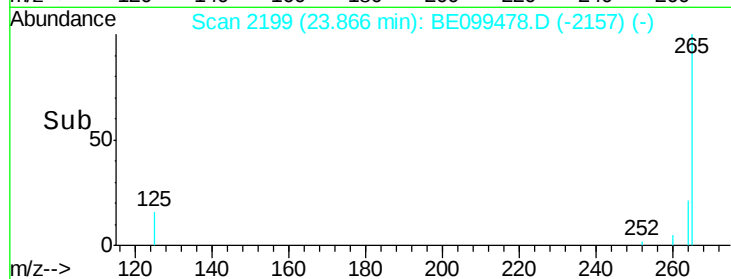
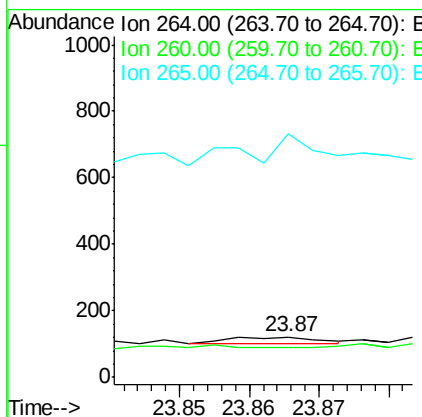
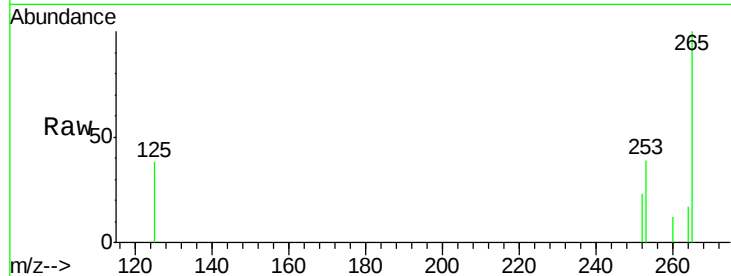




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BE099478.D
 Acq: 2 May 2019 00:22

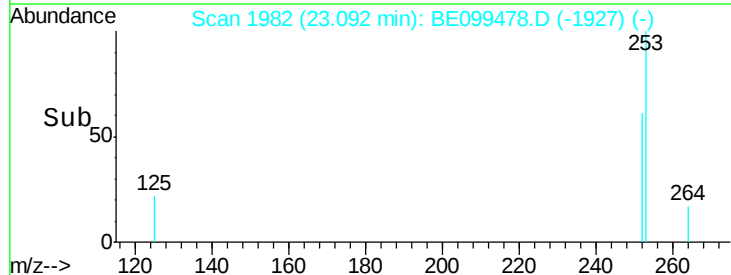
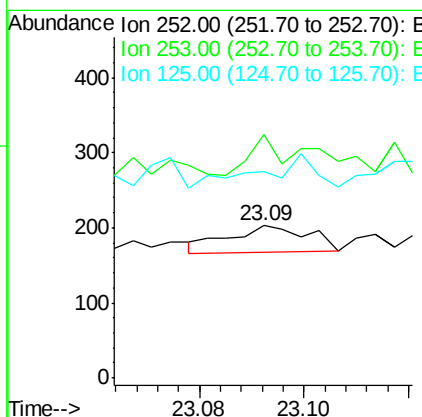
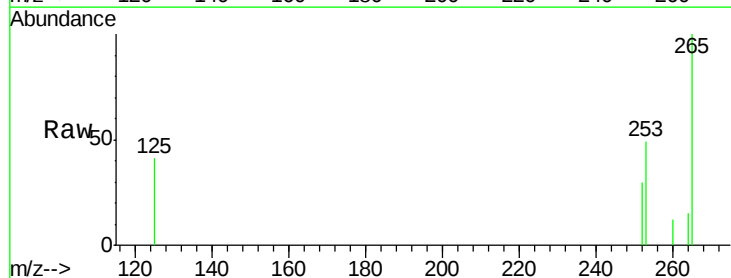
Instrument :
 BNA_E
 ClientSampleId :
 PST-072-B156-042219

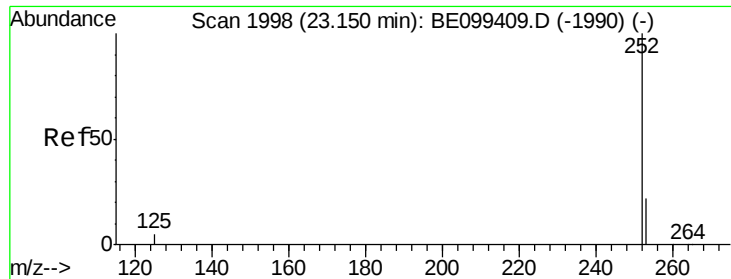
Tot Ion:264 Resp: 15
 Ion Ratio Lower Upper
 264 100
 260 74.6 20.2 30.2#
 265 600.0 21.3 31.9#



#35
 Benzo(b)fluoranthene
 Concen: 0.879 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: BE099478.D
 Acq: 2 May 2019 00:22

Tgt Ion:252 Resp: 38
 Ion Ratio Lower Upper
 252 100
 253 159.6 18.1 27.1#
 125 135.5 5.6 8.4#





#36

Benzo(k)fluoranthene

Concen: 0.360 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

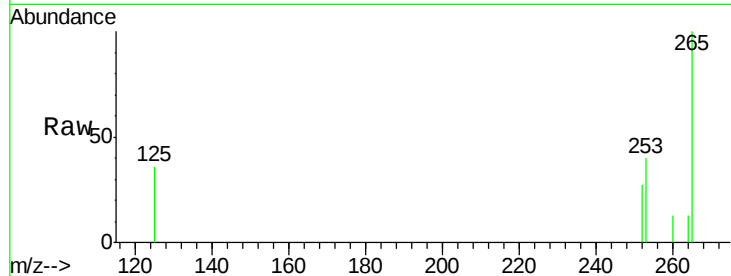
Tot Ion:252 Resp: 15

Ion Ratio Lower Upper

252 100

253 143.7 18.4 27.6#

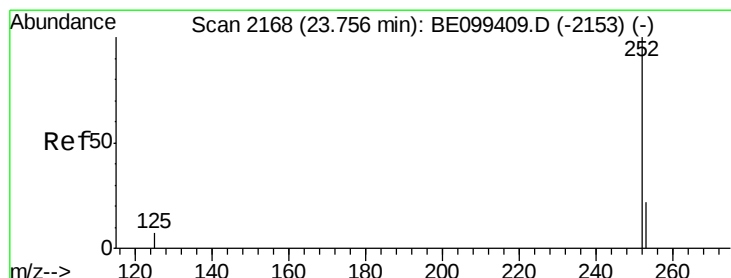
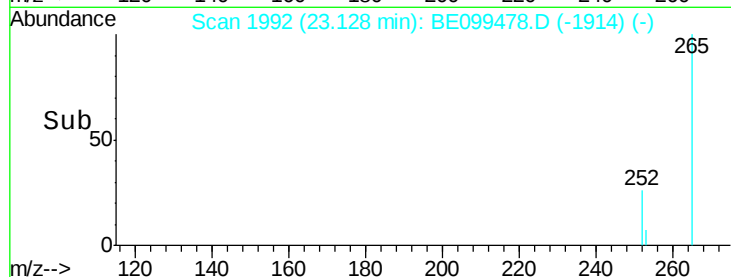
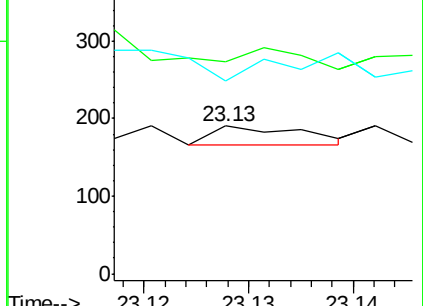
125 130.5 5.0 7.4#



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: 1.247 ng

RT: 23.74 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

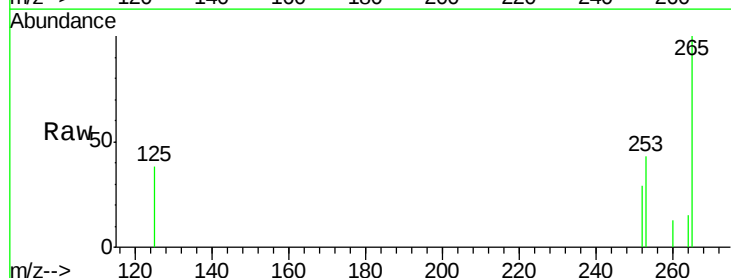
Tgt Ion:252 Resp: 51

Ion Ratio Lower Upper

252 100

253 146.5 18.9 28.3#

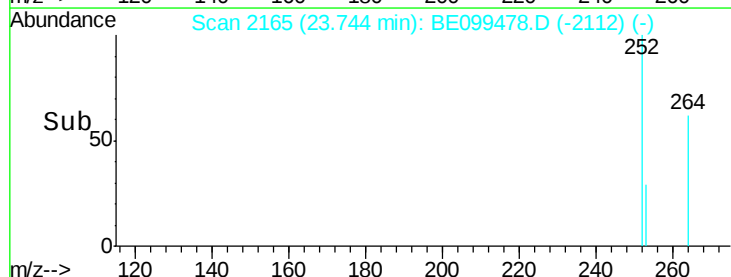
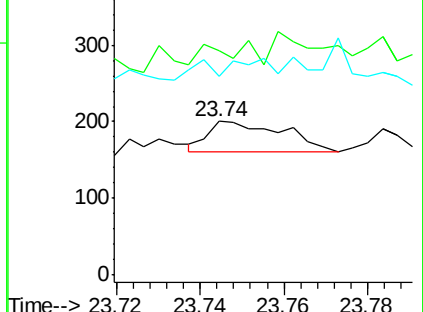
125 129.5 6.7 10.1#

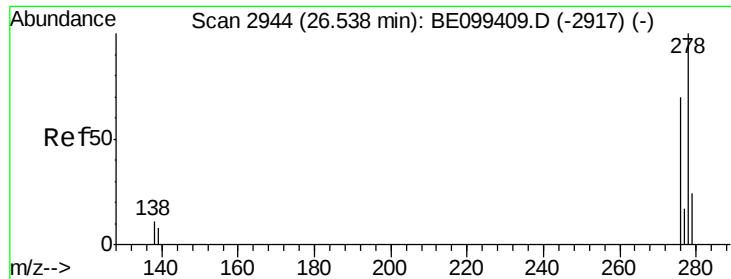


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.406 ng

RT: 26.52 min Scan# 2939

Delta R.T. -0.02 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

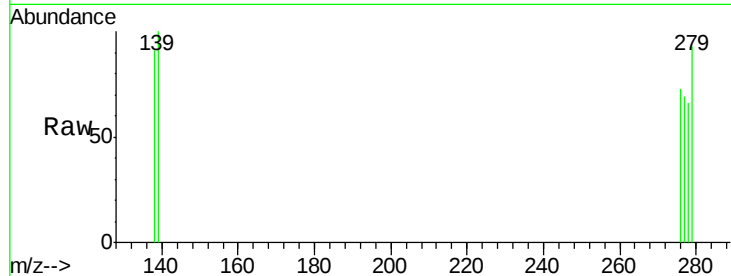
Tot Ion:278 Resp: 17

Ion Ratio Lower Upper

278 100

139 151.5 7.7 11.5#

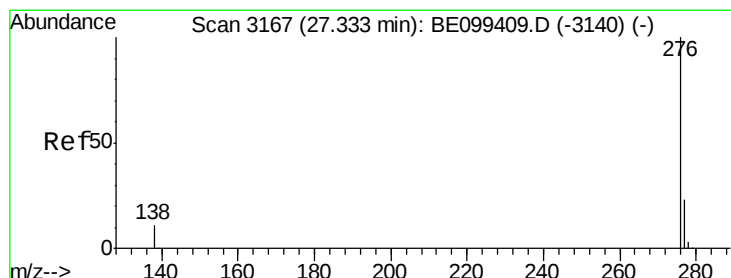
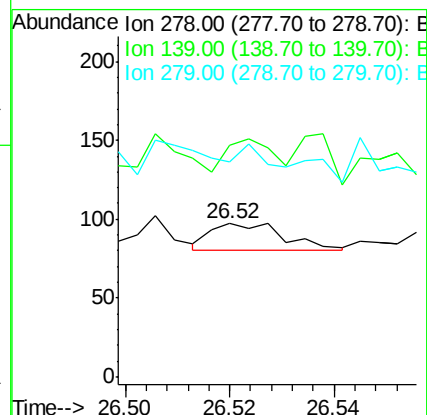
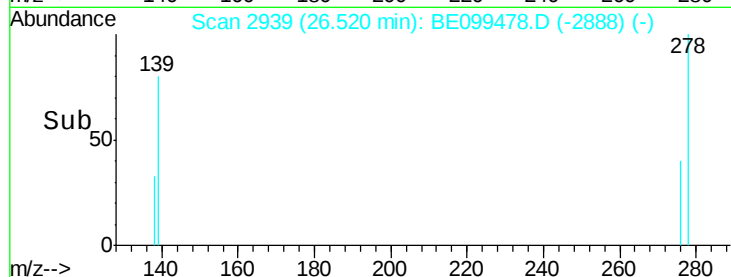
279 140.2 20.2 30.2#



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: 0.573 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099478.D

Acq: 2 May 2019 00:22

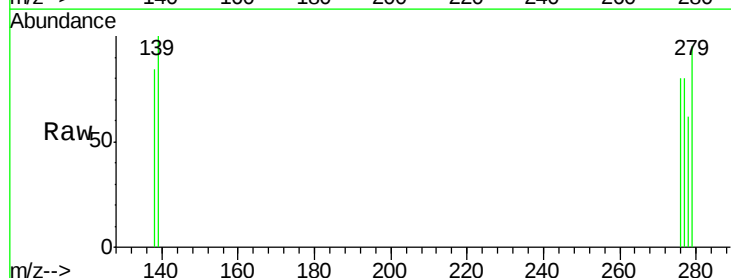
Tgt Ion:276 Resp: 24

Ion Ratio Lower Upper

276 100

277 100.9 19.5 29.3#

138 105.5 9.6 14.4#



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

