

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099455.D
 Acq On : 1 May 2019 9:41
 Operator : JU/SJ
 Sample : K2587-16MS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B162-042319MS

Quant Time: May 02 04:12:31 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	2222	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8018	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5704	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18480	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26320	0.40	ng	0.00
34) Perylene-d12	23.86	264	30149	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1901	0.31	ng	0.00
5) Phenol-d6	6.97	99	2590	0.32	ng	0.00
8) Nitrobenzene-d5	8.97	82	2136	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	5038	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1124	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	5702	0.26	ng	-0.01
25) Fluoranthene-d10	19.22	212	65816	0.26	ng	0.00
29) Terphenyl-d14	19.81	244	13139	0.27	ng	0.00

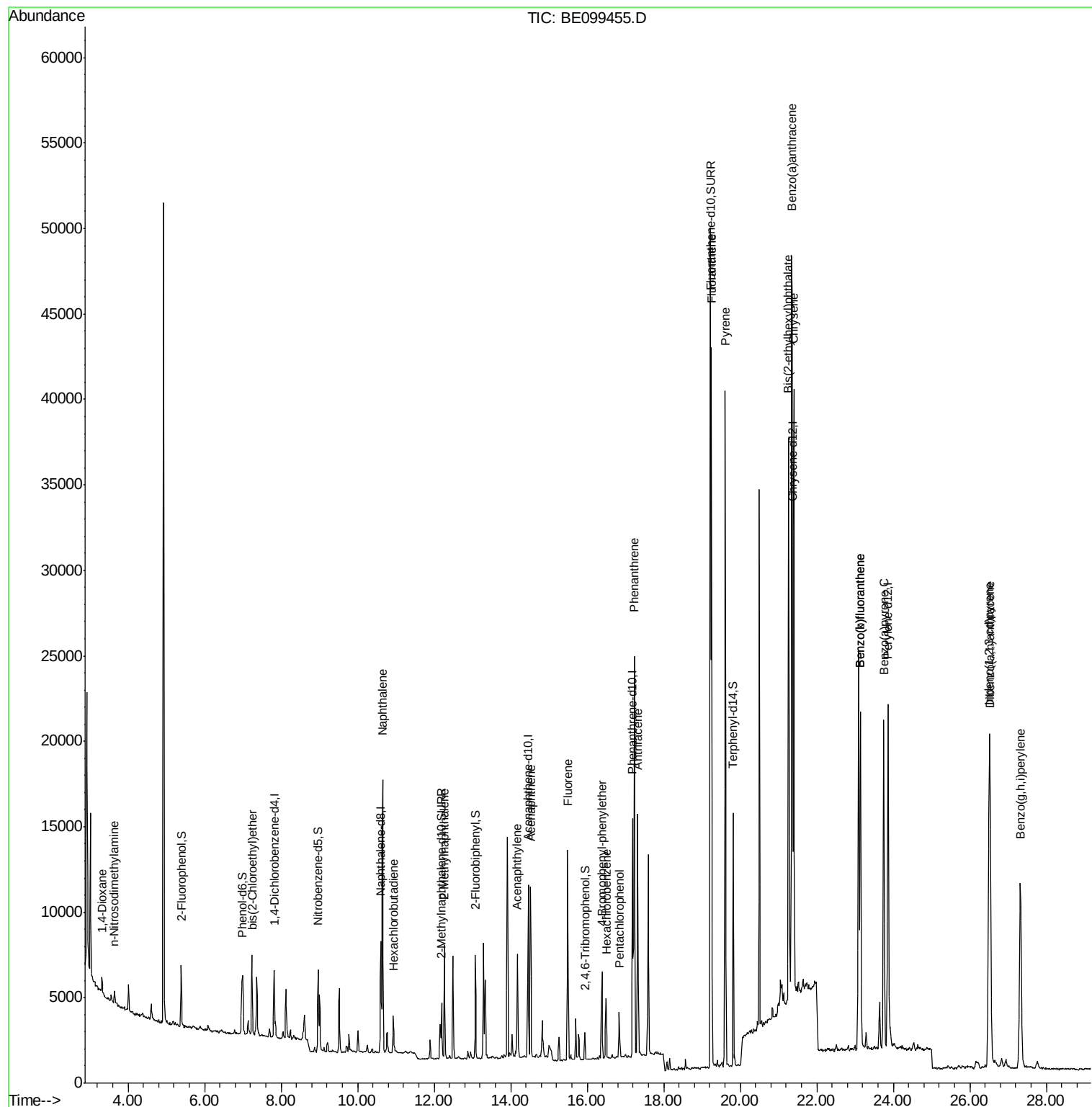
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	638	0.209	ng	# 55
3) n-Nitrosodimethylamine	3.63	42	531	0.288	ng	# 93
6) bis(2-Chloroethyl)ether	7.24	93	1843	0.261	ng	96
9) Naphthalene	10.65	128	25892	0.296	ng	99
10) Hexachlorobutadiene	10.93	225	1485	0.244	ng	99
12) 2-Methylnaphthalene	12.27	142	4480	0.295	ng	94
16) Acenaphthylene	14.17	152	8252	0.296	ng	98
17) Acenaphthene	14.52	154	4890	0.307	ng	99
18) Fluorene	15.49	166	7132	0.303	ng	99
20) 4-Bromophenyl-phenylether	16.38	248	2733	0.254	ng	95
21) Hexachlorobenzene	16.49	284	2772	0.270	ng	99
22) Pentachlorophenol	16.84	266	1441	0.449	ng	99
23) Phenanthrene	17.23	178	22800	0.478	ng	99
24) Anthracene	17.32	178	14613	0.322	ng	99
26) Fluoranthene	19.25	202	37284	0.522	ng	100
28) Pyrene	19.61	202	36834	0.537	ng	99
30) Benzo(a)anthracene	21.34	228	35624	0.425	ng	98
31) Chrysene	21.40	228	34618	0.422	ng	98
32) Bis(2-ethylhexyl)phthalate	21.26	149	41458	0.279	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	32924	0.339	ng	99
35) Benzo(b)fluoranthene	23.14	252	29296	0.337	ng	98
36) Benzo(k)fluoranthene	23.14	252	29536	0.352	ng	# 98
37) Benzo(a)pyrene	23.75	252	31020	0.377	ng	99
38) Dibenzo(a,h)anthracene	26.53	278	24626	0.293	ng	99
39) Benzo(g,h,i)perylene	27.32	276	28070	0.333	ng	98

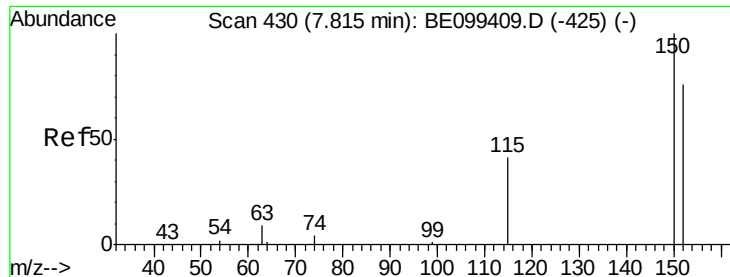
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 29 18:36:43 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

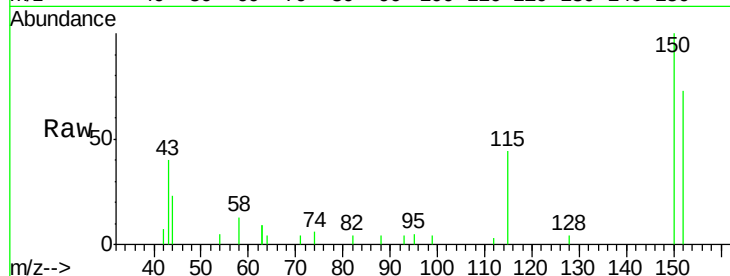
Tot Ion:152 Resp: 2222

Ion Ratio Lower Upper

152 100

150 137.5 104.8 157.2

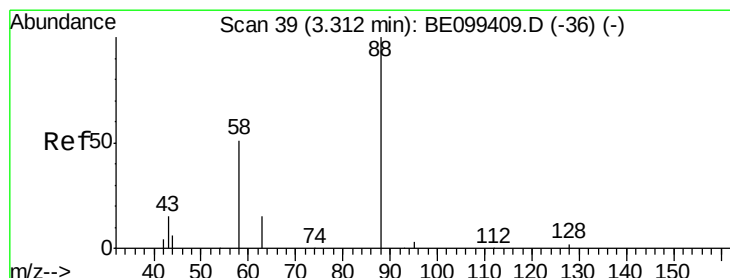
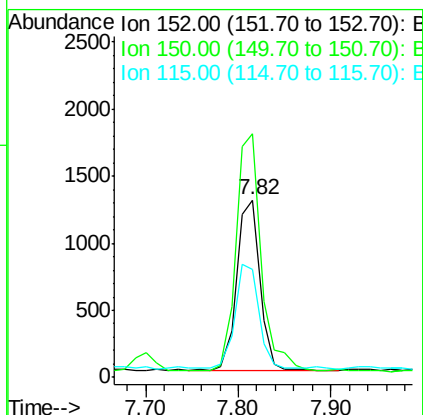
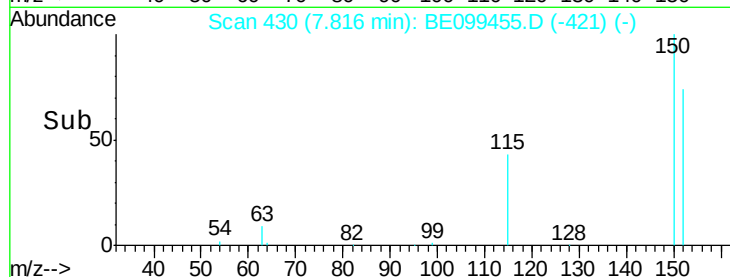
115 60.9 46.6 69.8



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: 0.209 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

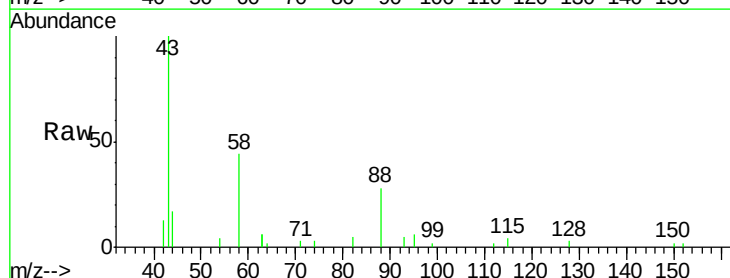
Tgt Ion: 88 Resp: 638

Ion Ratio Lower Upper

88 100

58 97.2 51.0 76.6#

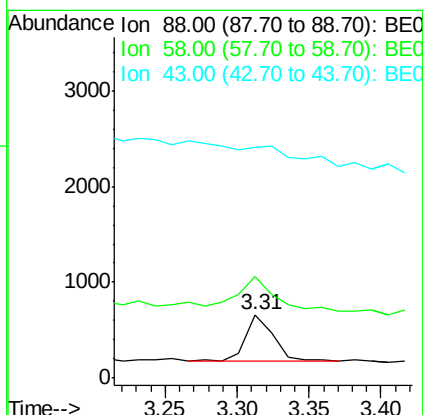
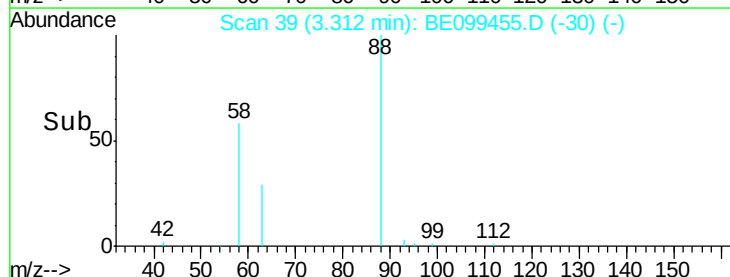
43 0.0 20.6 30.8#

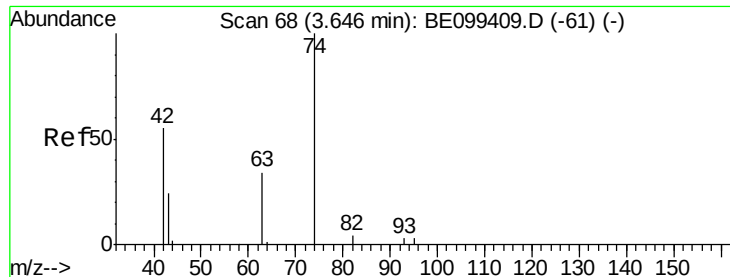


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.288 ng

RT: 3.63 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

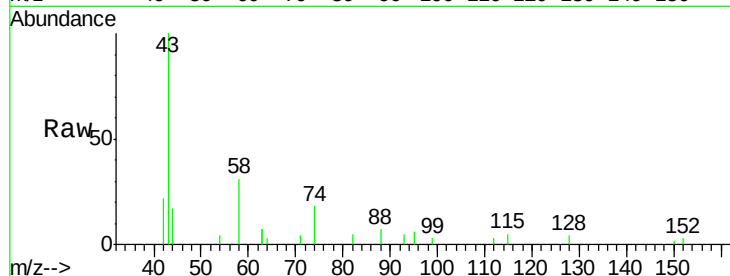
Tot Ion: 42 Resp: 531

Ion Ratio Lower Upper

42 100

74 166.5 141.6 212.4

44 12.4 0.0 0.0#

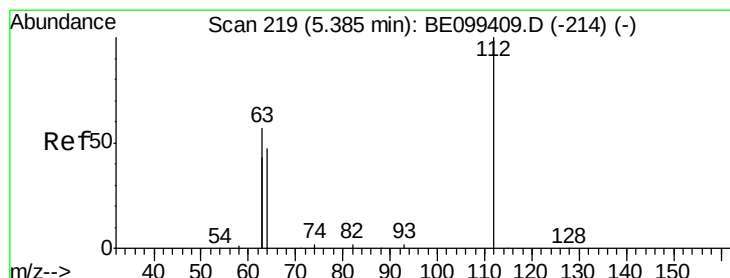
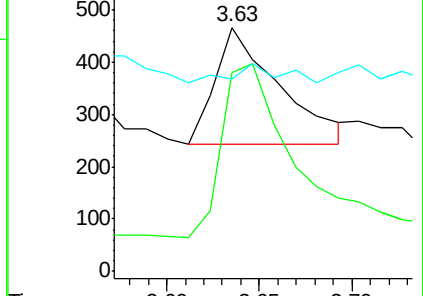
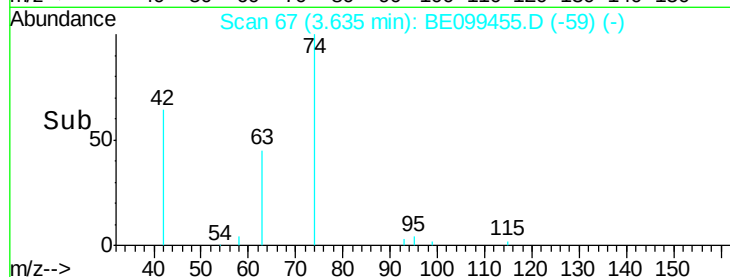


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

Time-->



#4

2-Fluorophenol

Concen: 0.309 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

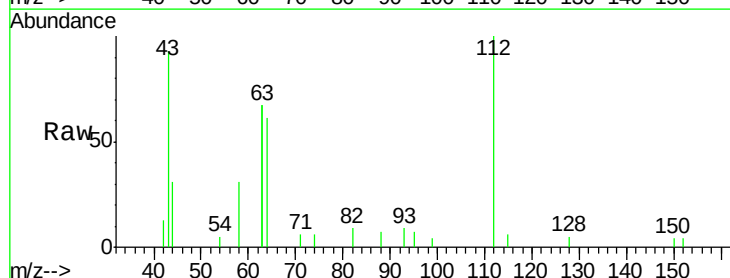
Tgt Ion: 112 Resp: 1901

Ion Ratio Lower Upper

112 100

64 55.5 47.4 71.0

63 120.4 104.3 156.5

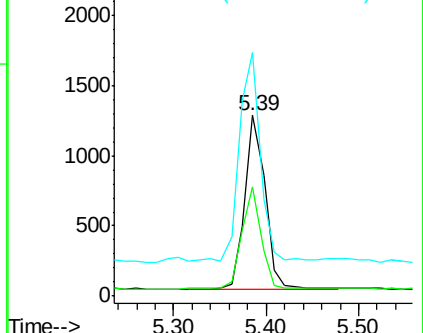
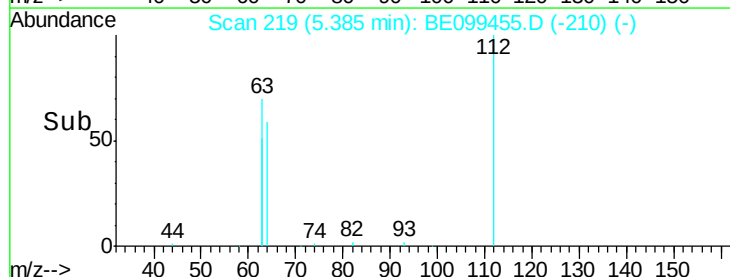


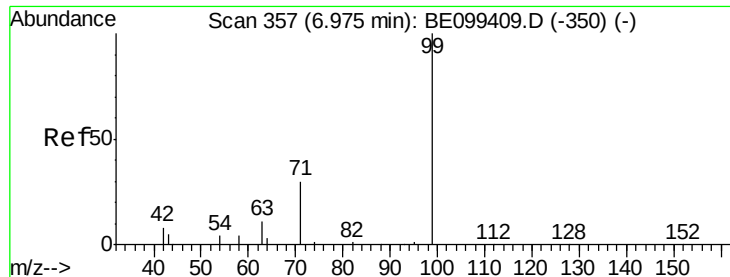
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->





#5

Phenol-d6

Concen: 0.317 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

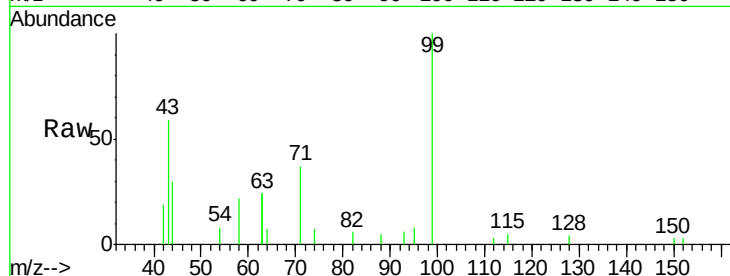
Tot Ion: 99 Resp: 2590

Ion Ratio Lower Upper

99 100

42 20.3 14.9 22.3

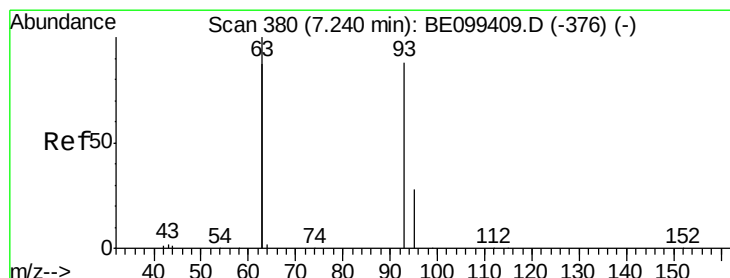
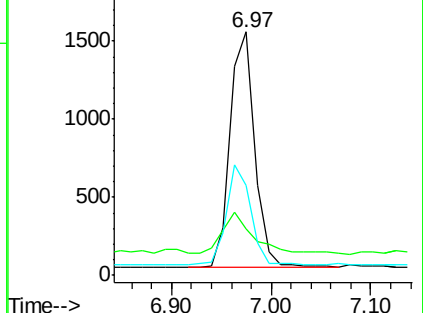
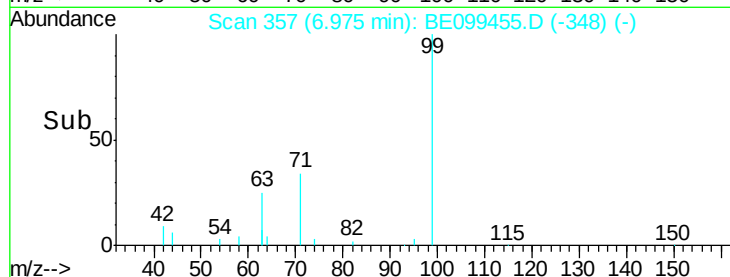
71 42.7 33.0 49.6



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: 0.261 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

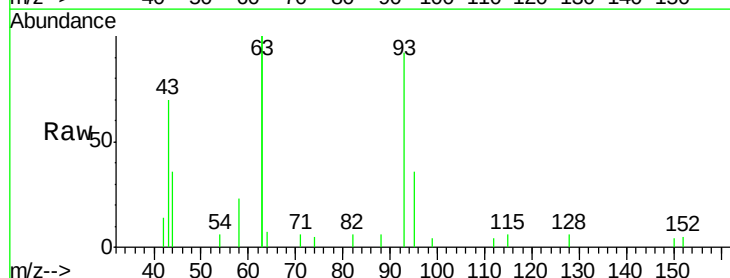
Tgt Ion: 93 Resp: 1843

Ion Ratio Lower Upper

93 100

63 276.2 215.6 323.4

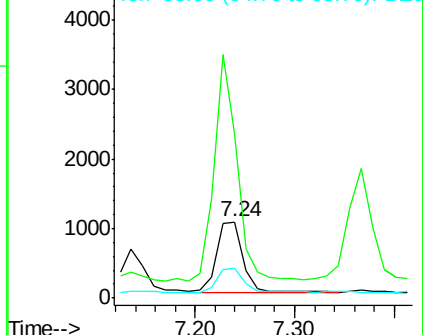
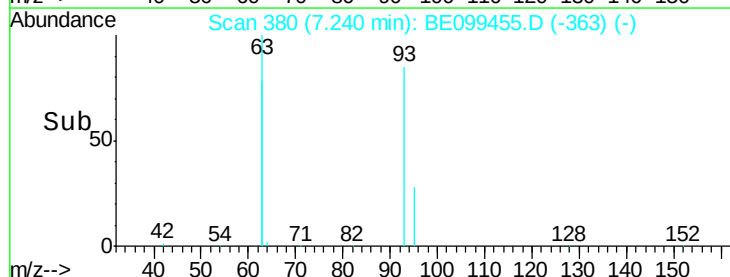
95 36.0 26.2 39.2

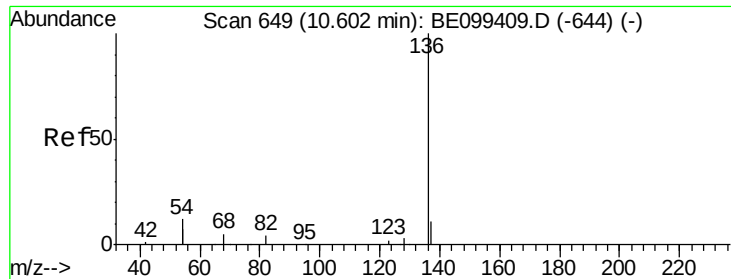


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

Tot Ion:136 Resp: 8018

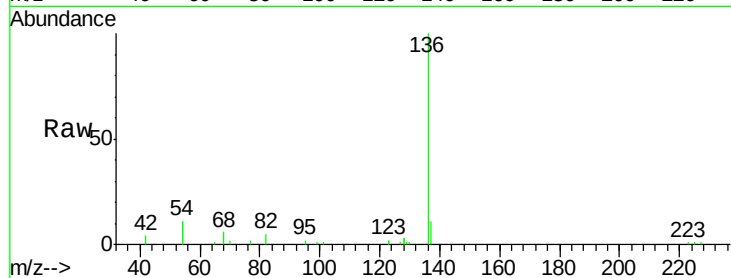
Ion Ratio Lower Upper

136 100

137 11.0 9.8 14.8

54 21.5 18.5 27.7

68 6.2 4.7 7.1

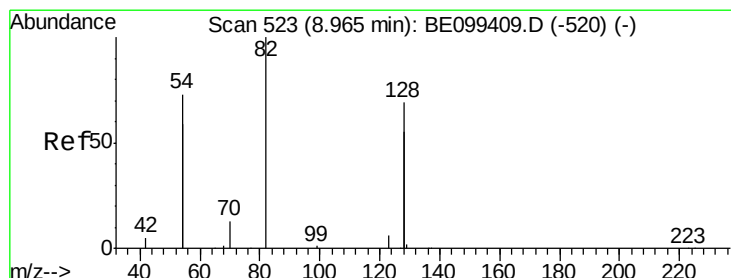
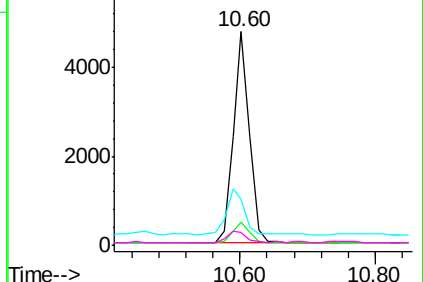
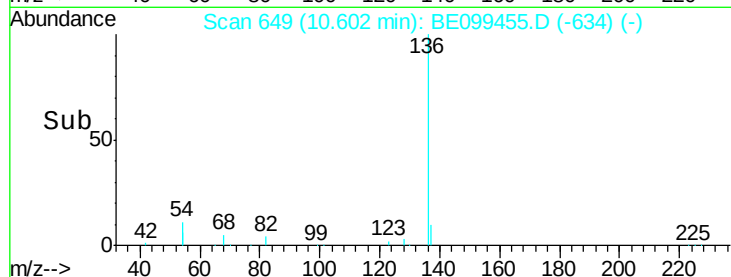


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.284 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

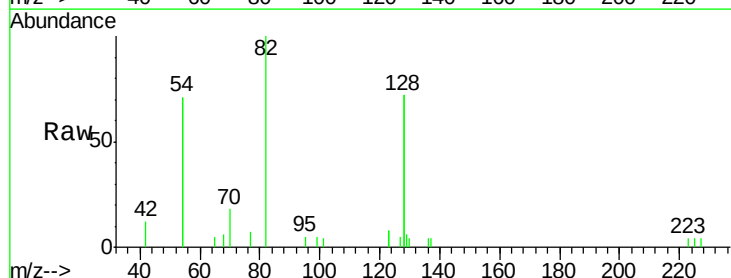
Tgt Ion: 82 Resp: 2136

Ion Ratio Lower Upper

82 100

128 143.7 107.0 160.4

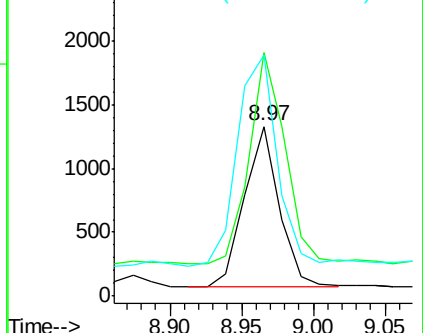
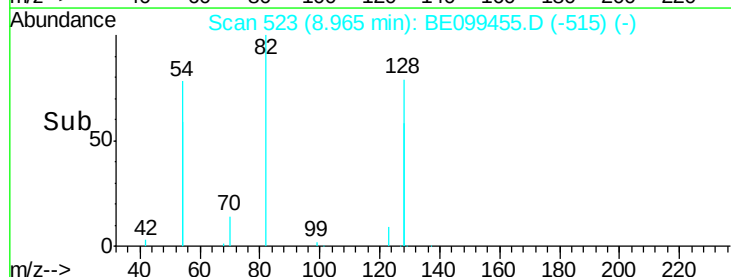
54 142.5 113.1 169.7

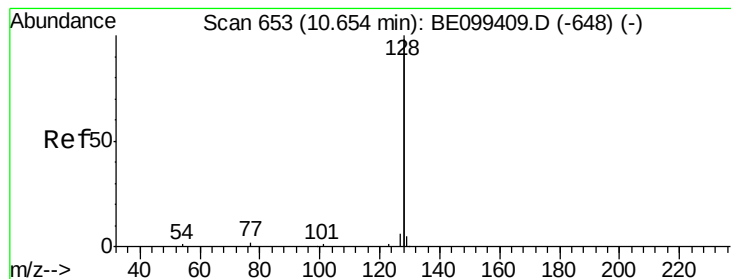


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.296 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

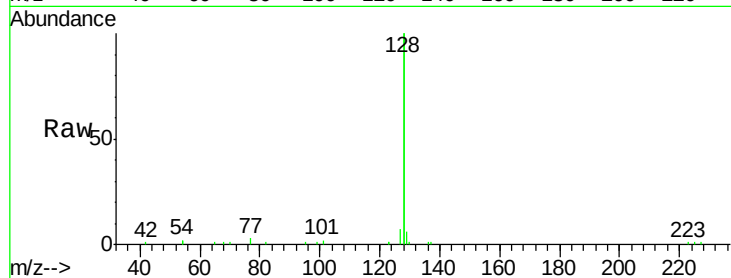
Tot Ion:128 Resp: 25892

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

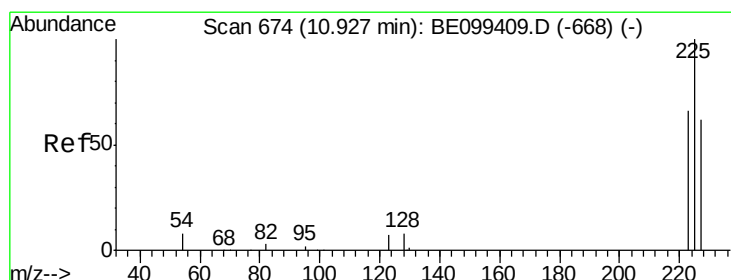
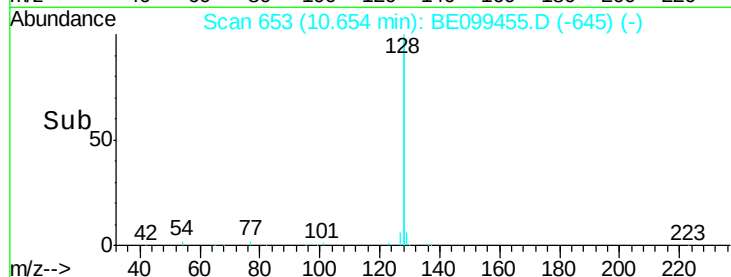
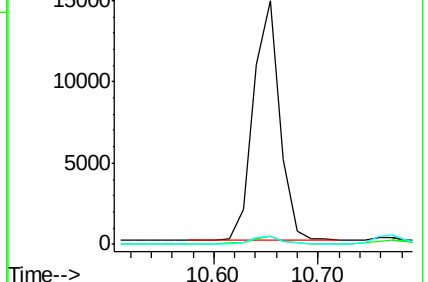
127 3.3 2.8 4.2



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

Hexachlorobutadiene

Concen: 0.244 ng

RT: 10.93 min Scan# 674

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

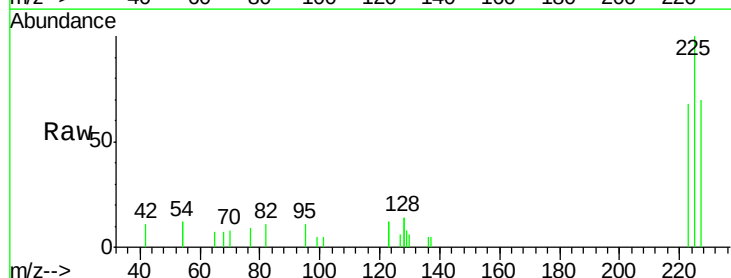
Tgt Ion:225 Resp: 1485

Ion Ratio Lower Upper

225 100

223 63.4 51.0 76.6

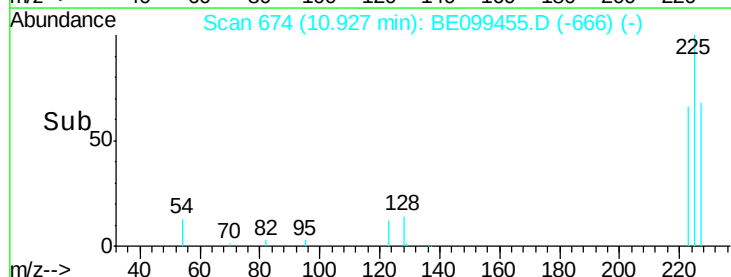
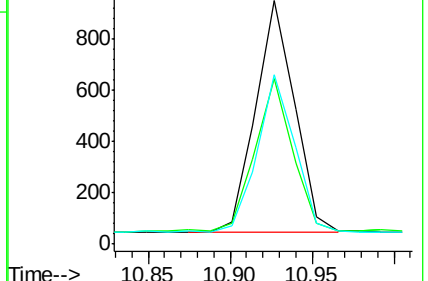
227 64.6 50.9 76.3

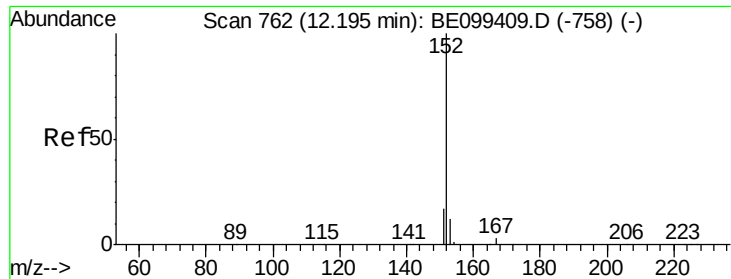


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

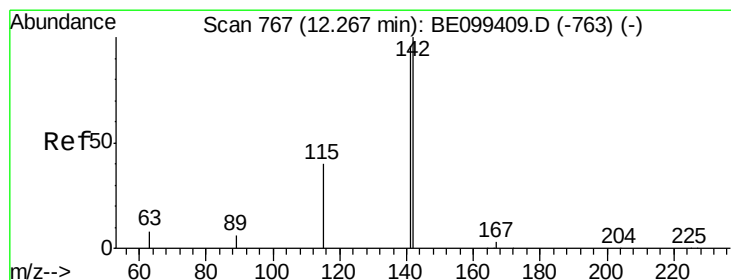
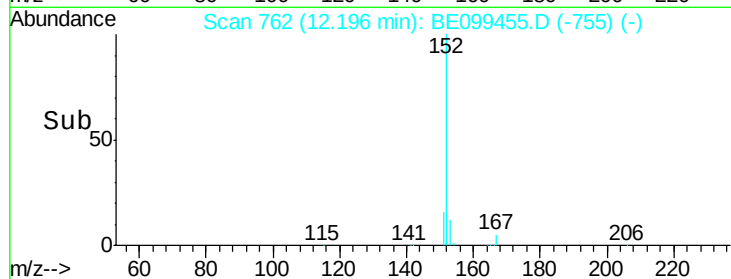
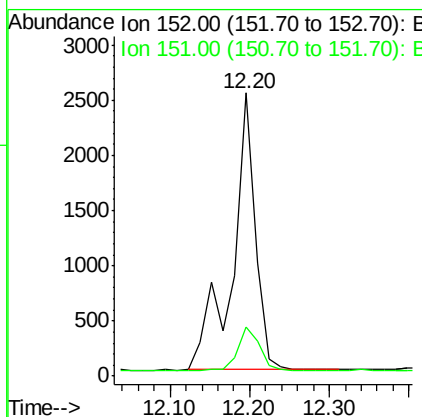
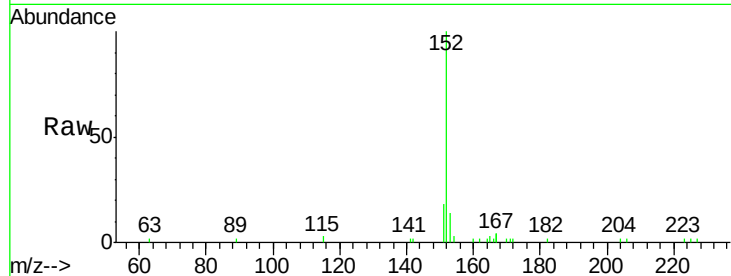




#11
 2-Methylnaphthalene-d10
 Concen: 0.349 ng
 RT: 12.20 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE099455.D
 Acq: 1 May 2019 9:41

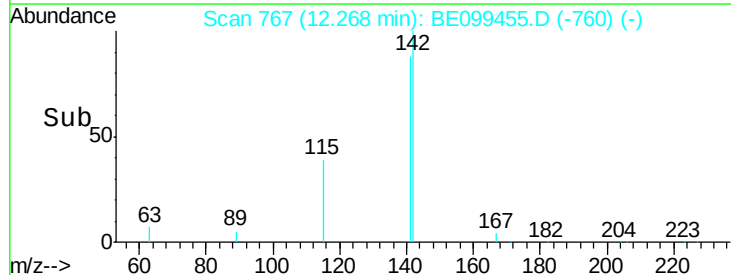
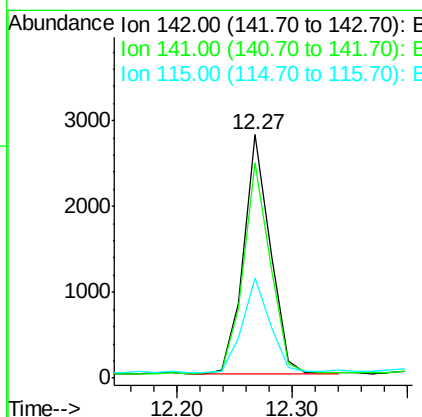
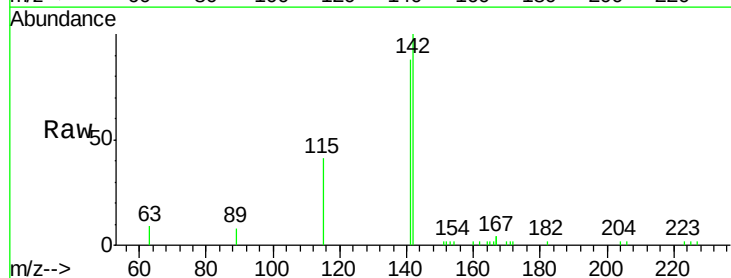
Instrument :
 BNA_E
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 PST-004-B162-042319MS

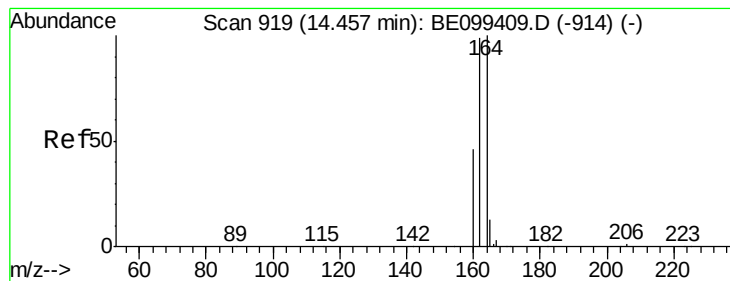
Tot Ion:152 Resp: 5038
 Ion Ratio Lower Upper
 152 100
 151 15.2 15.5 23.3#



#12
 2-Methylnaphthalene
 Concen: 0.295 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE099455.D
 Acq: 1 May 2019 9:41

Tgt Ion:142 Resp: 4480
 Ion Ratio Lower Upper
 142 100
 141 88.4 77.0 115.4
 115 41.0 33.4 50.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

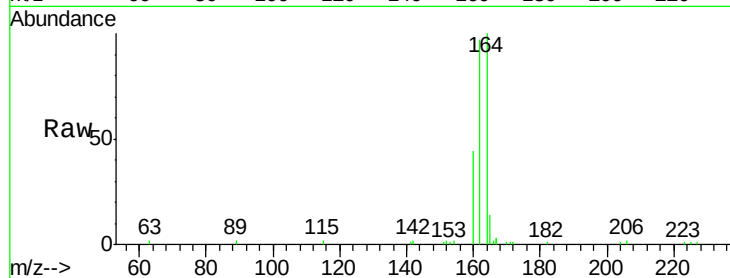
Tot Ion:164 Resp: 5704

Ion Ratio Lower Upper

164 100

162 96.9 79.0 118.4

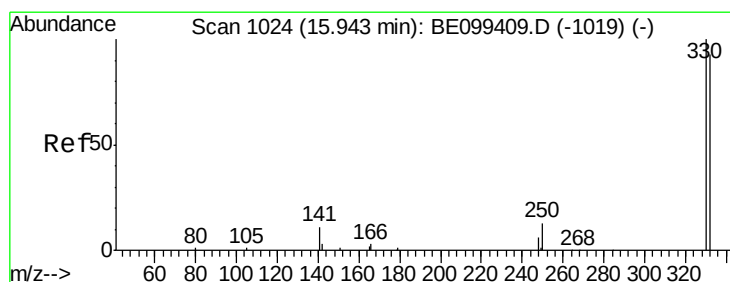
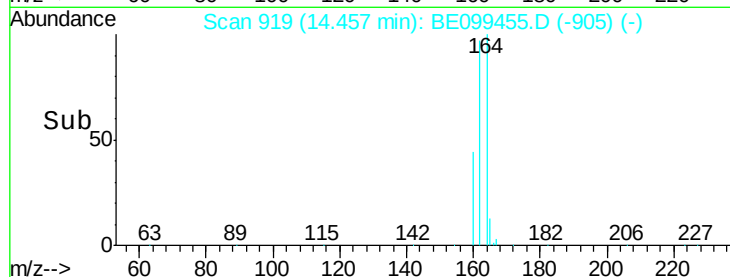
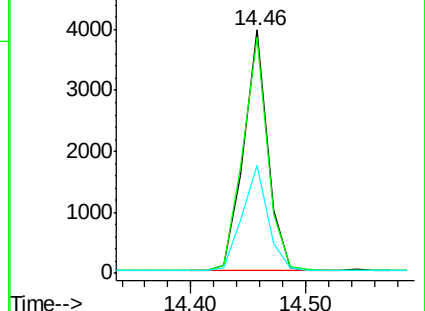
160 44.2 37.0 55.4



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: 0.313 ng

RT: 15.94 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

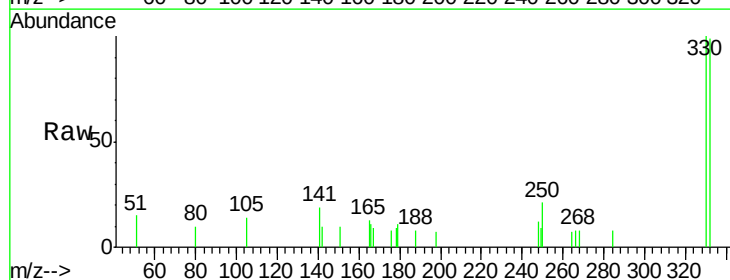
Tgt Ion:330 Resp: 1124

Ion Ratio Lower Upper

330 100

332 94.8 71.5 107.3

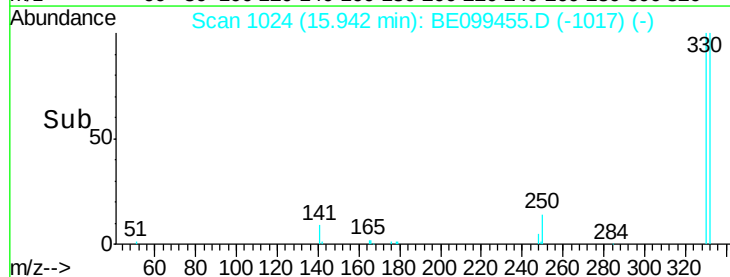
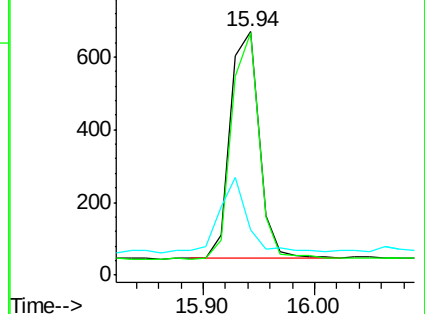
141 31.1 24.0 36.0

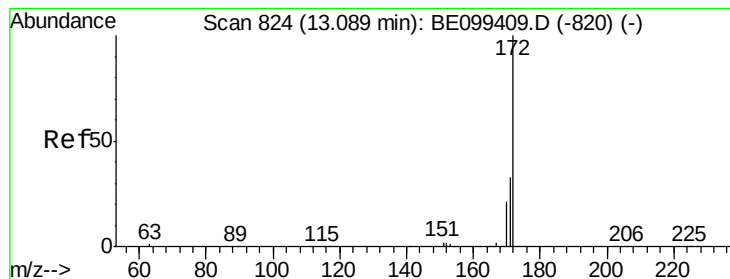


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.262 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

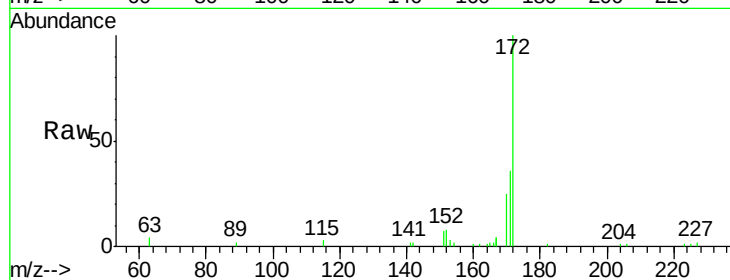
Tot Ion:172 Resp: 5702

Ion Ratio Lower Upper

172 100

171 36.2 26.6 39.8

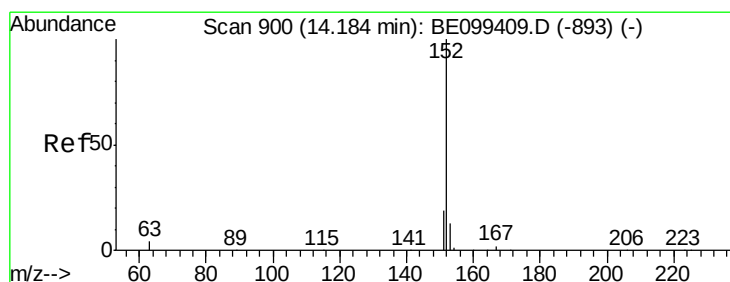
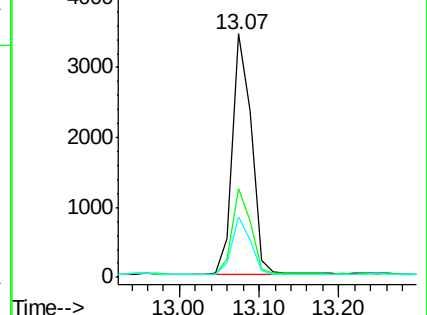
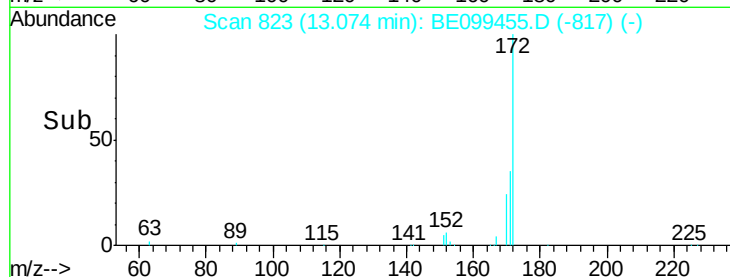
170 25.1 17.0 25.6



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: 0.296 ng

RT: 14.17 min Scan# 899

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

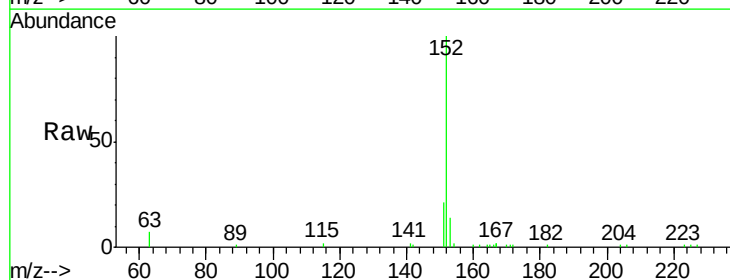
Tgt Ion:152 Resp: 8252

Ion Ratio Lower Upper

152 100

151 20.3 15.4 23.2

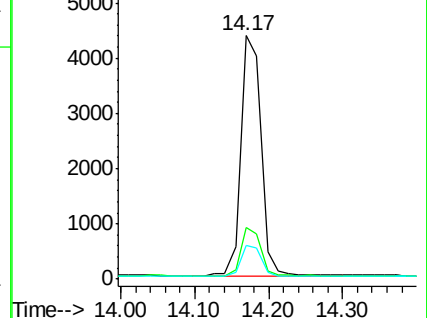
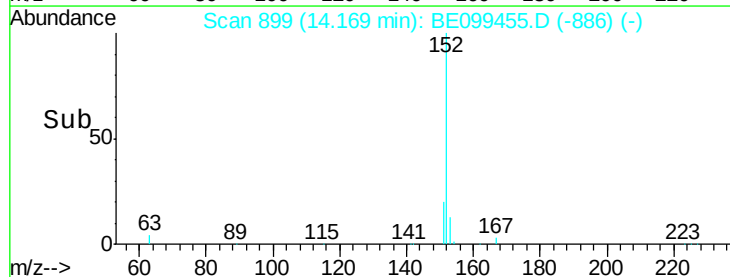
153 12.9 9.8 14.6

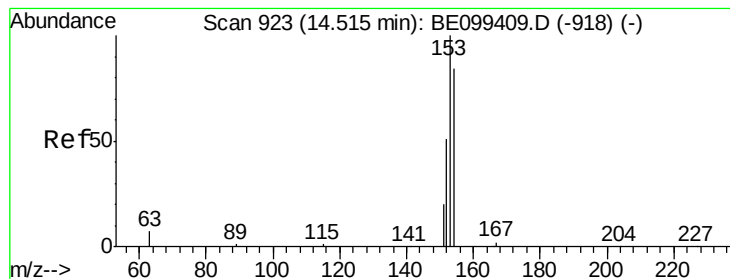


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.307 ng

RT: 14.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

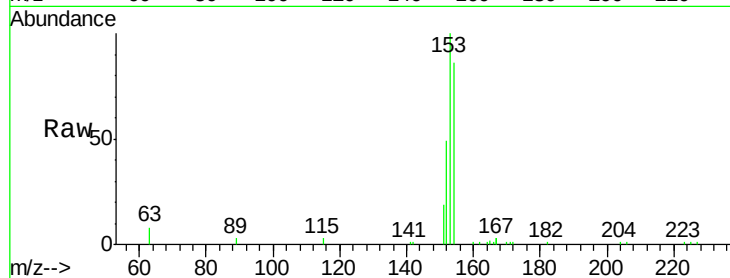
Tot Ion:154 Resp: 4890

Ion Ratio Lower Upper

154 100

153 115.5 92.6 138.8

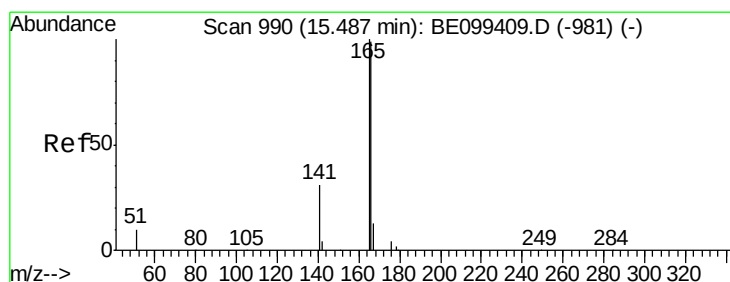
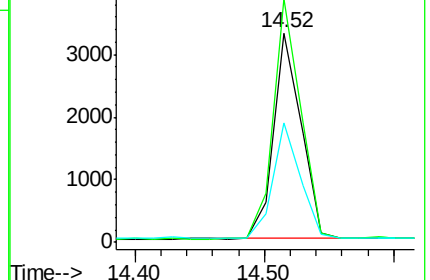
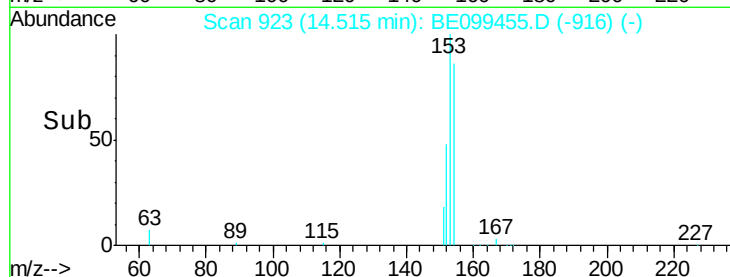
152 56.4 45.8 68.8



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: 0.303 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

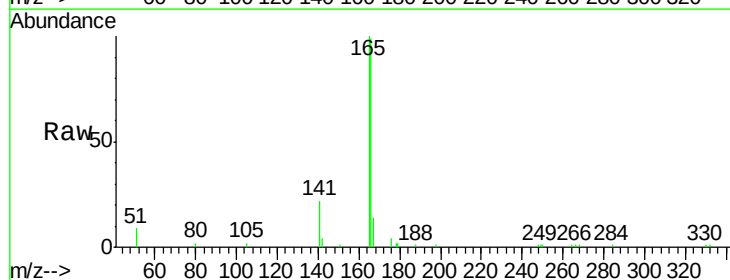
Tgt Ion:166 Resp: 7132

Ion Ratio Lower Upper

166 100

165 102.0 80.3 120.5

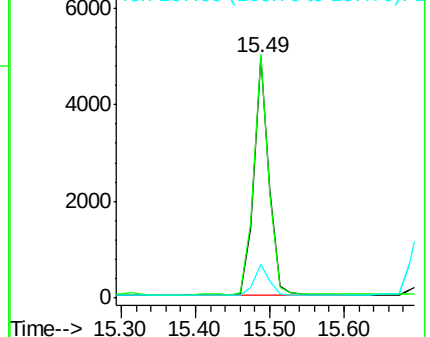
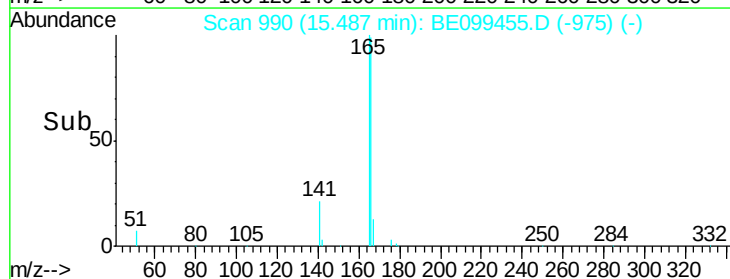
167 13.3 10.7 16.1

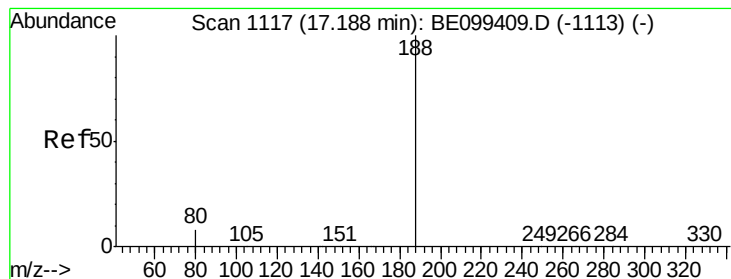


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

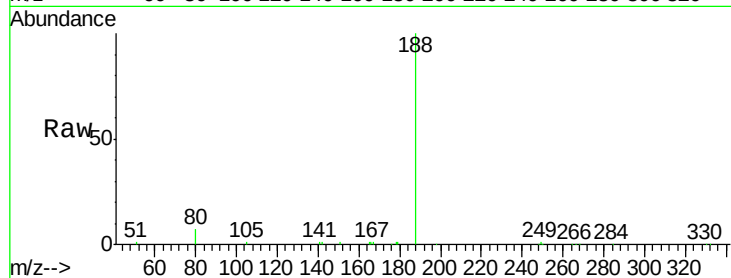
Tot Ion:188 Resp: 18480

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

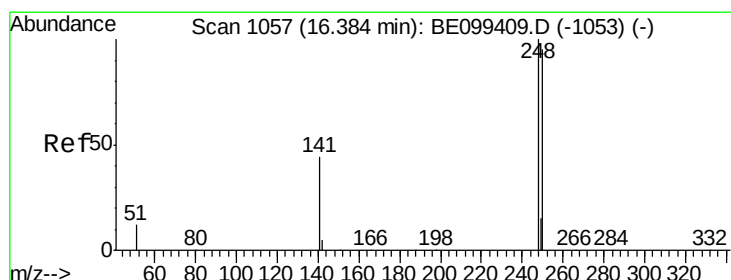
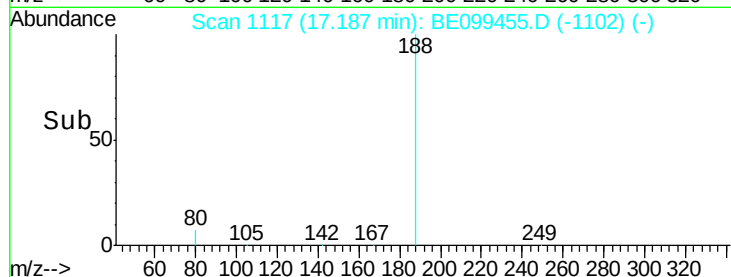
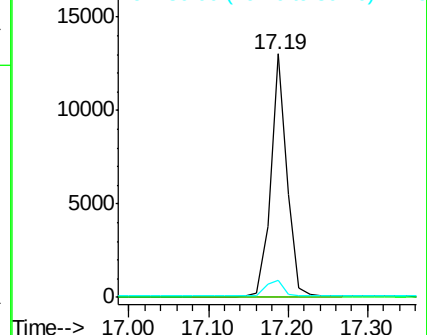
80 7.2 6.7 10.1



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: 0.254 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

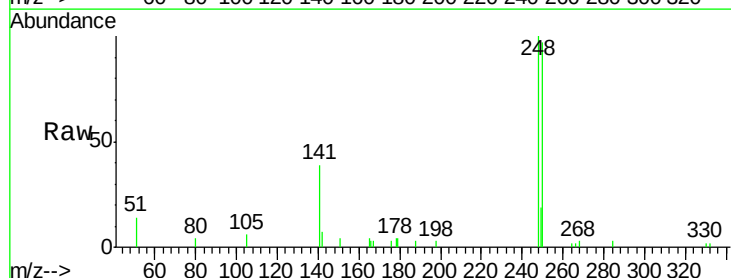
Tgt Ion:248 Resp: 2733

Ion Ratio Lower Upper

248 100

250 97.4 75.8 113.8

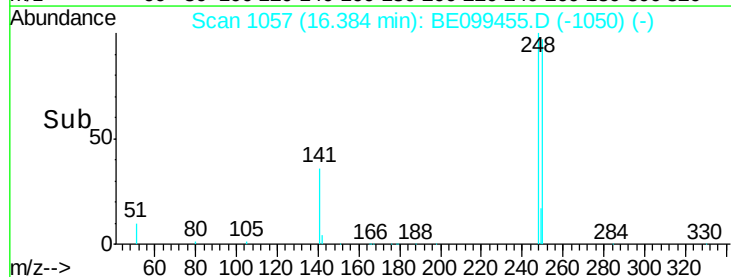
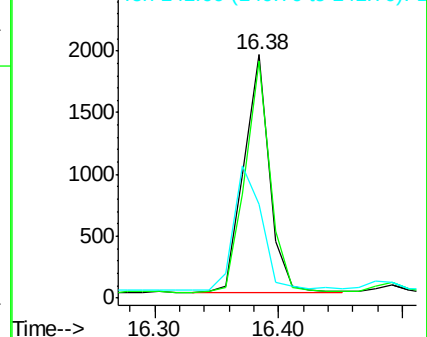
141 38.7 35.7 53.5

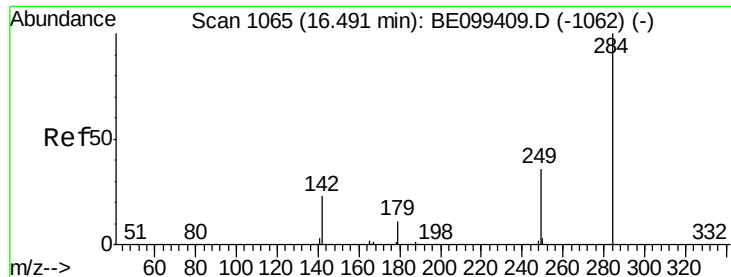


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.270 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

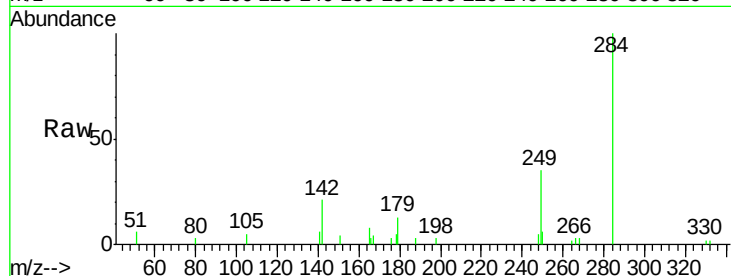
Tot Ion:284 Resp: 2772

Ion Ratio Lower Upper

284 100

142 27.1 21.0 31.6

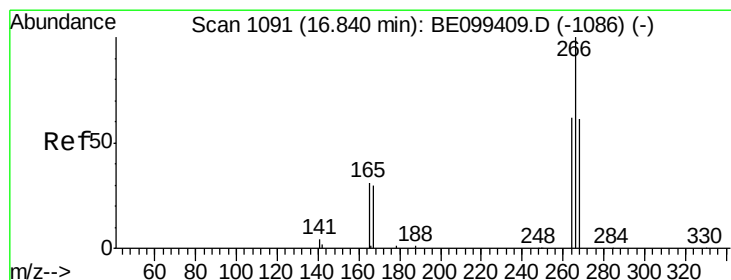
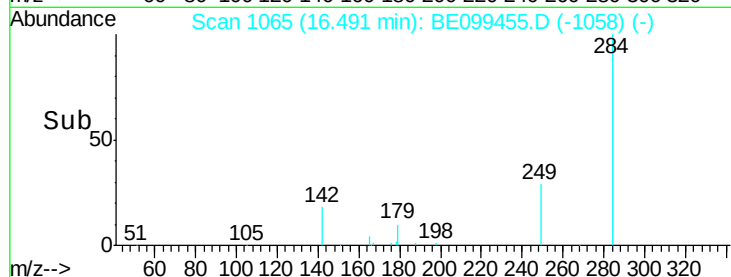
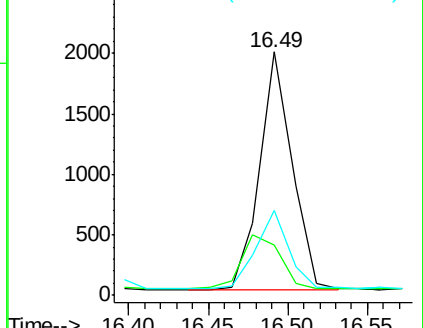
249 33.7 26.7 40.1



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.449 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

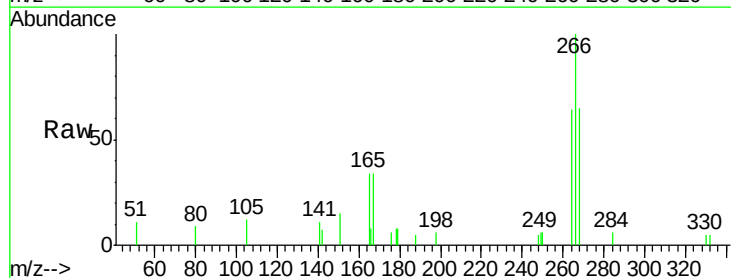
Tgt Ion:266 Resp: 1441

Ion Ratio Lower Upper

266 100

264 64.3 50.8 76.2

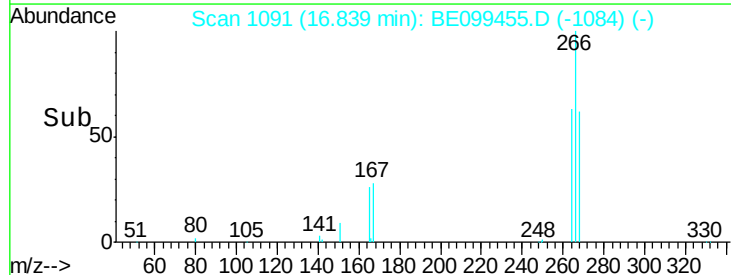
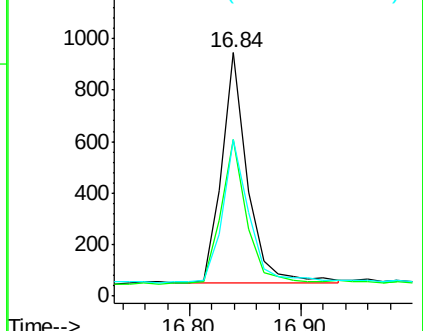
268 64.6 50.5 75.7

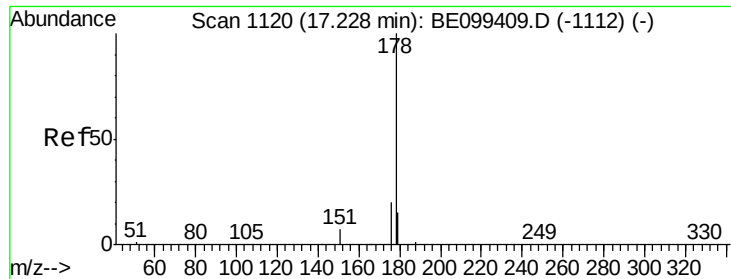


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.478 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

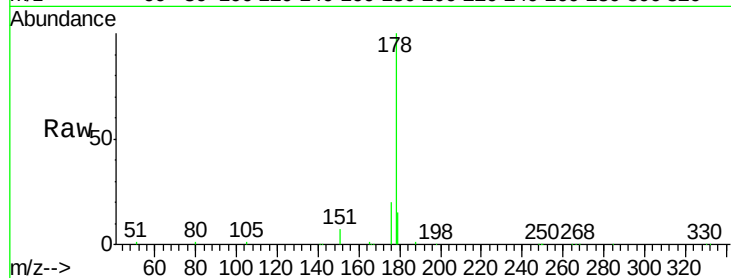
Tot Ion:178 Resp: 22800

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

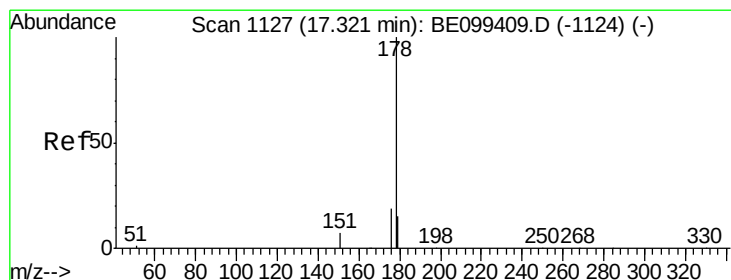
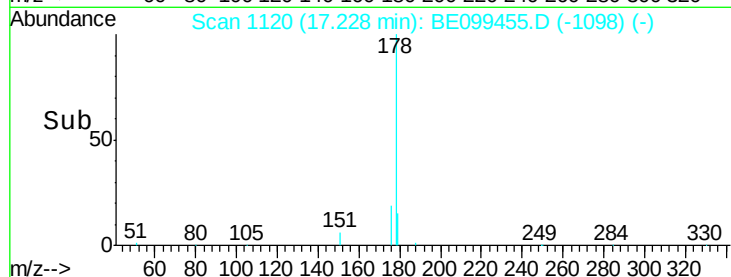
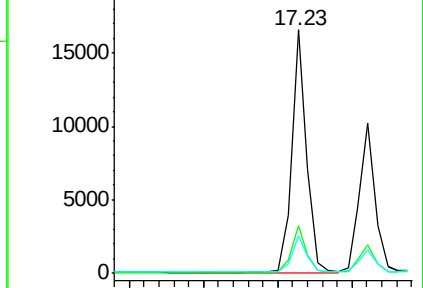
179 15.1 12.0 18.0



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



#24

Anthracene

Concen: 0.322 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

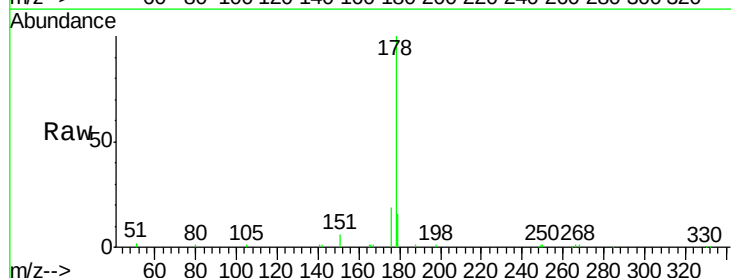
Tgt Ion:178 Resp: 14613

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

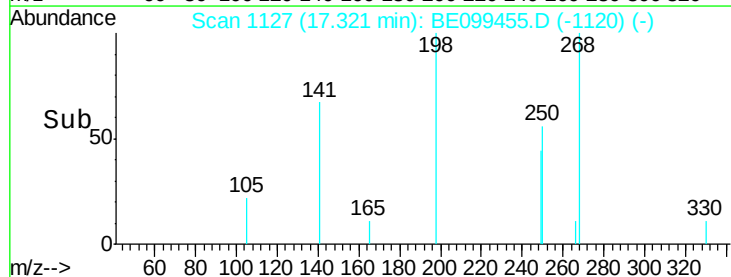
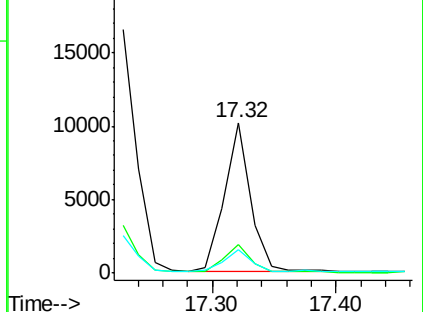
179 15.3 11.9 17.9

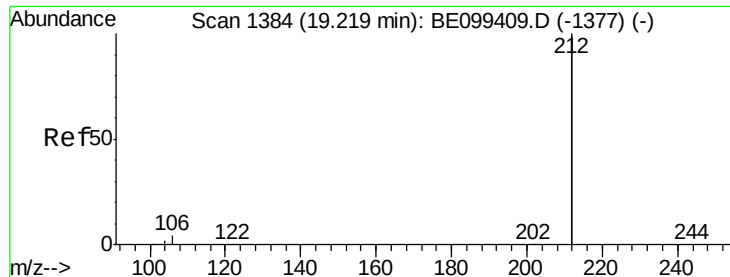


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.264 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

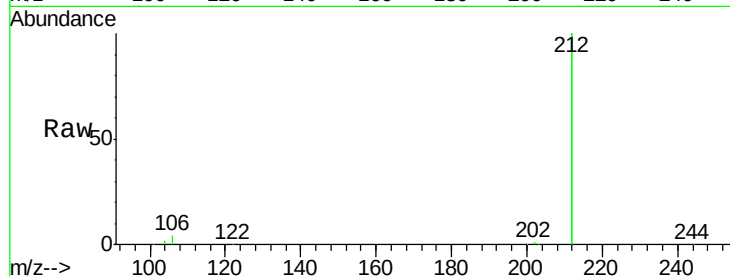
Tot Ion:212 Resp: 65816

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

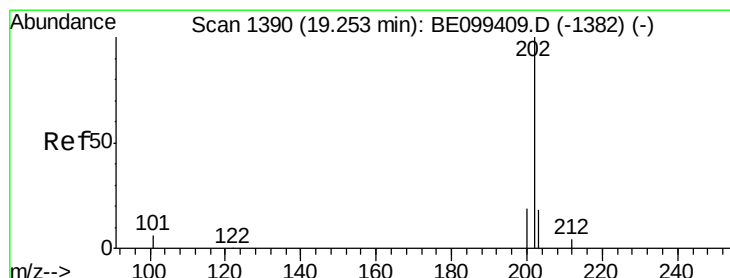
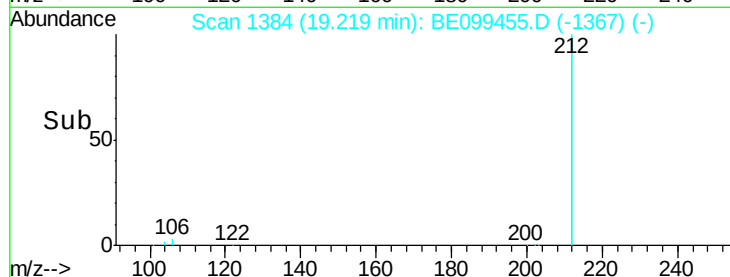
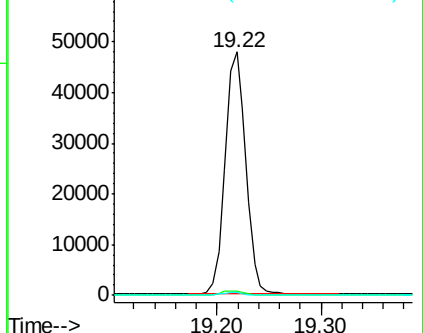
104 1.1 0.9 1.3



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: 0.522 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

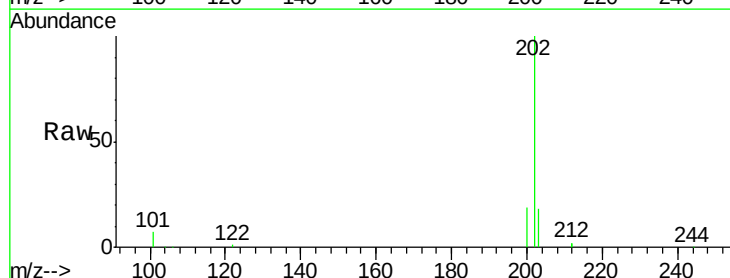
Tgt Ion:202 Resp: 37284

Ion Ratio Lower Upper

202 100

101 6.8 5.4 8.0

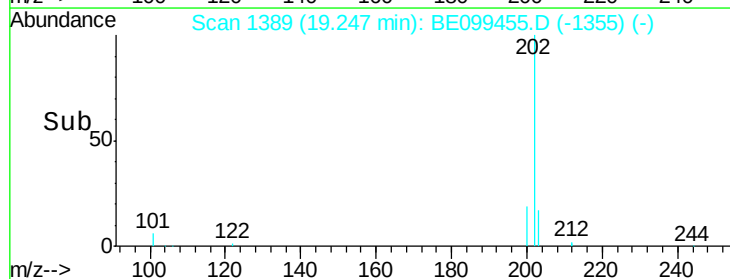
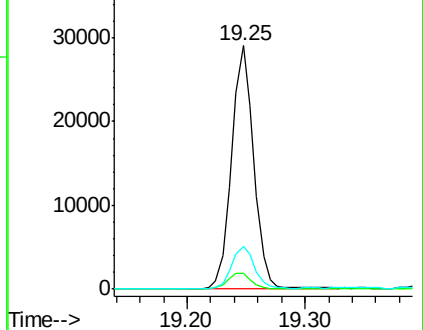
203 17.4 13.9 20.9

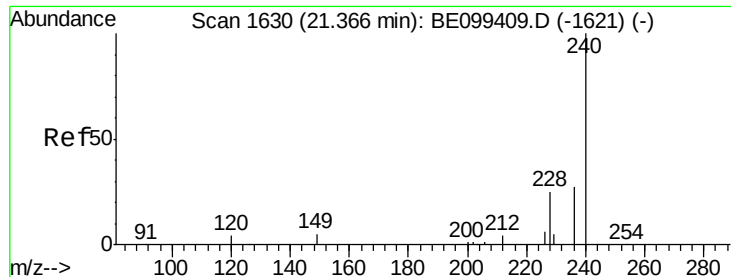


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

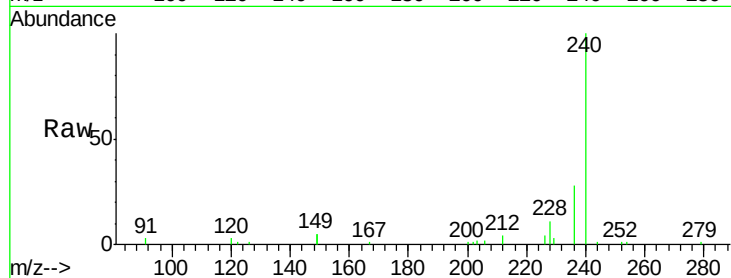
Tot Ion:240 Resp: 26320

Ion Ratio Lower Upper

240 100

120 3.1 4.0 6.0#

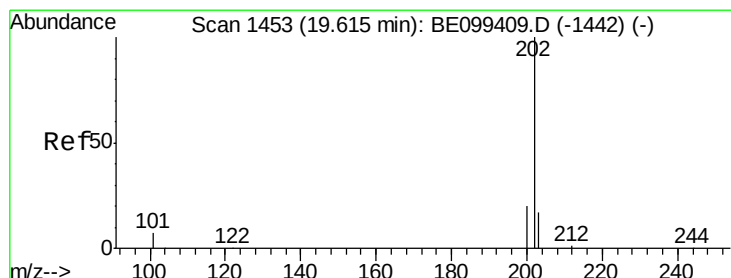
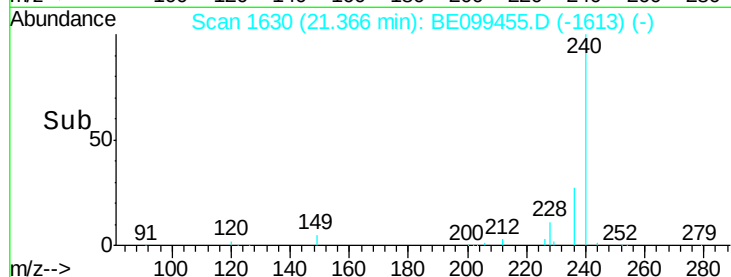
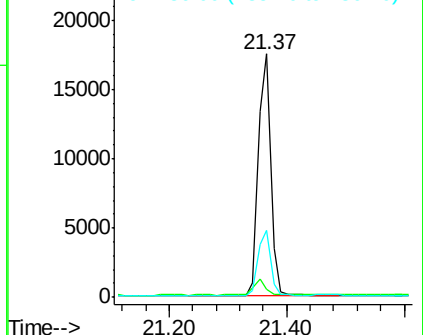
236 27.6 22.0 33.0



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

Pyrene

Concen: 0.537 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

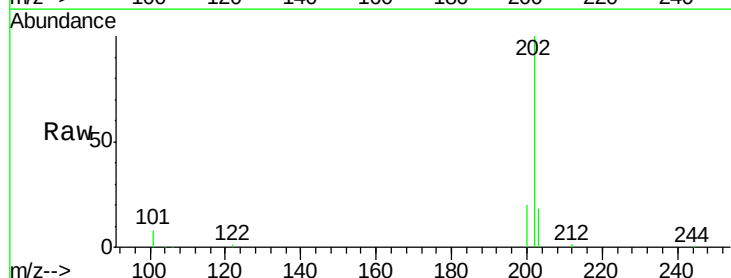
Tgt Ion:202 Resp: 36834

Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

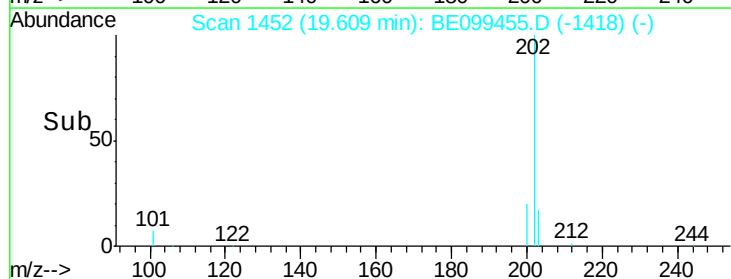
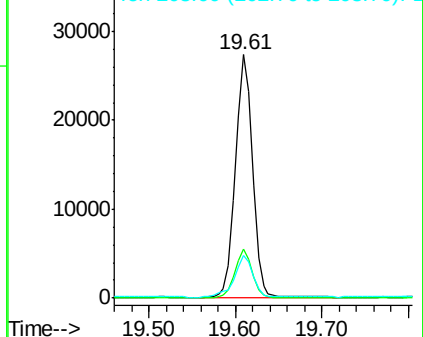
203 18.7 13.9 20.9

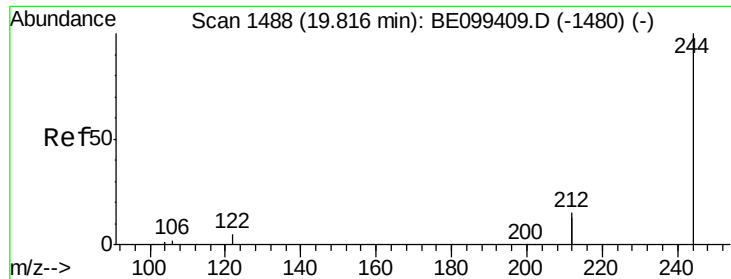


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.273 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

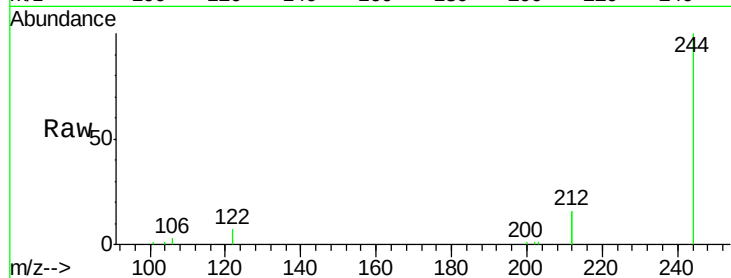
Tot Ion:244 Resp: 13139

Ion Ratio Lower Upper

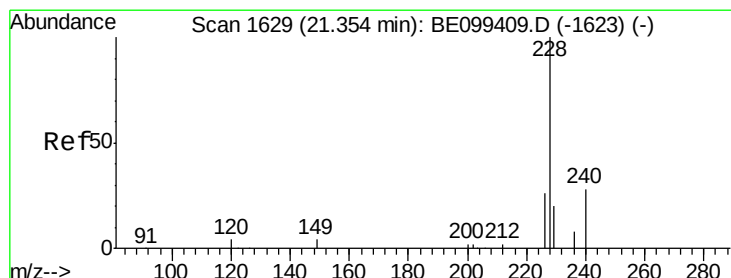
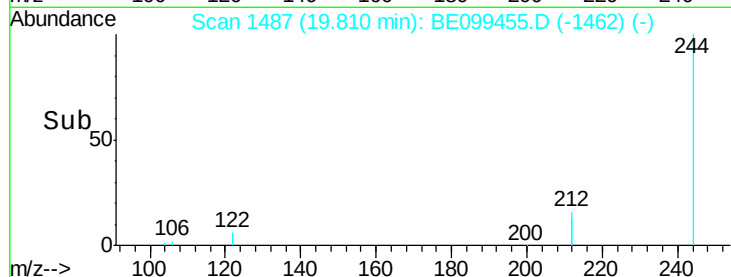
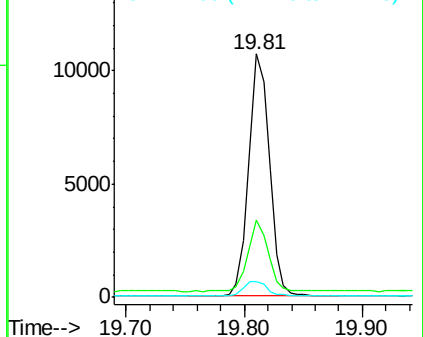
244 100

212 31.5 23.2 34.8

122 6.6 4.2 6.4#



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: 0.425 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

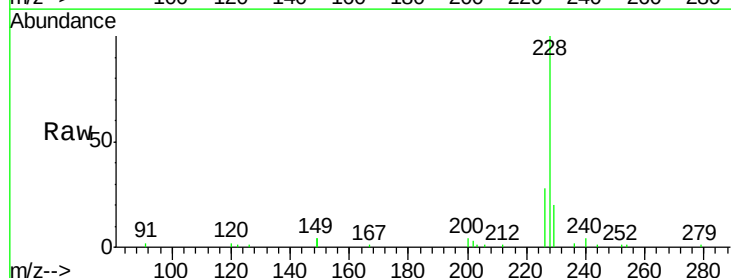
Tgt Ion:228 Resp: 35624

Ion Ratio Lower Upper

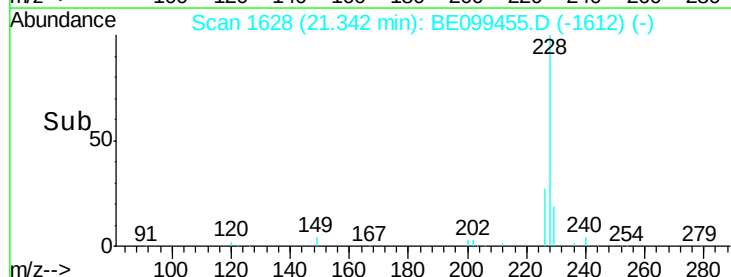
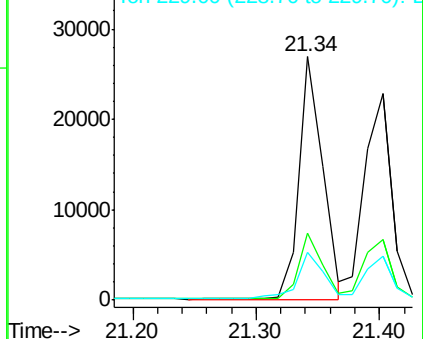
228 100

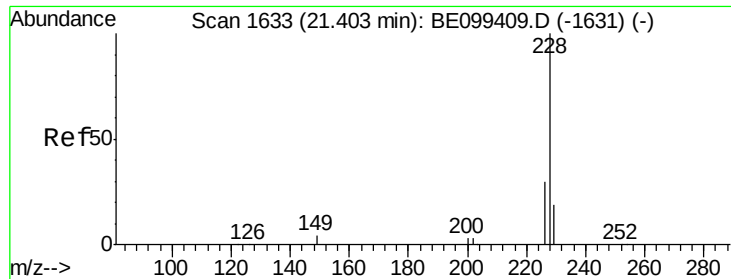
226 27.5 21.0 31.6

229 19.8 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: 0.422 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

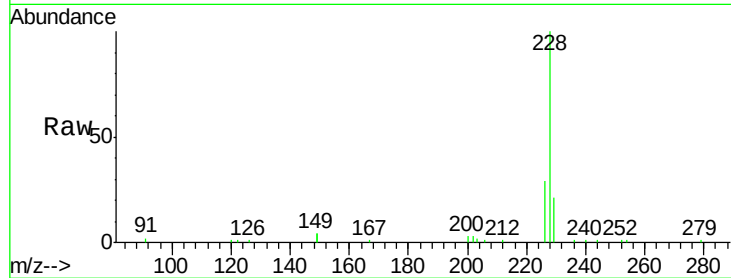
Tot Ion:228 Resp: 34618

Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

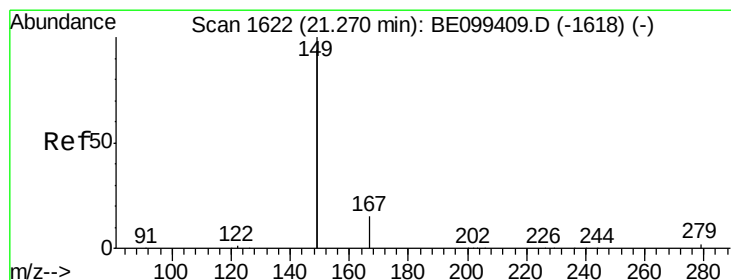
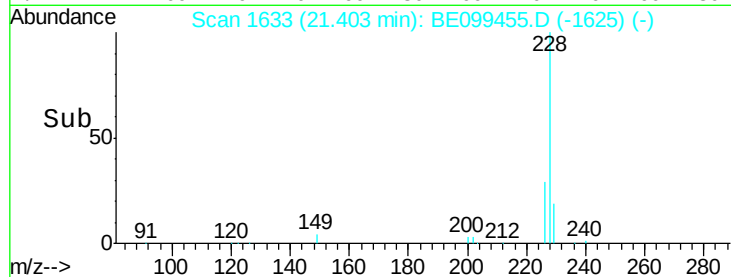
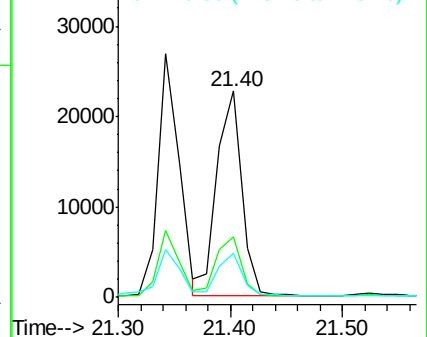
229 21.2 15.8 23.8



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: 0.279 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

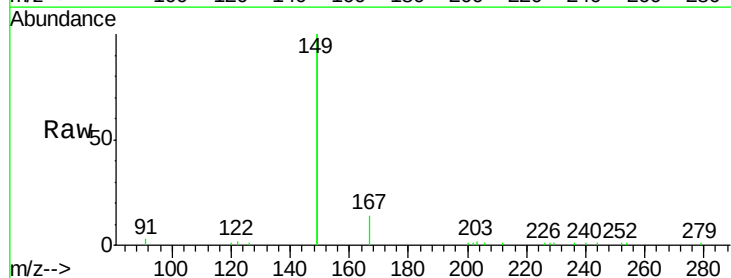
Tgt Ion:149 Resp: 41458

Ion Ratio Lower Upper

149 100

167 7.7 5.8 8.6

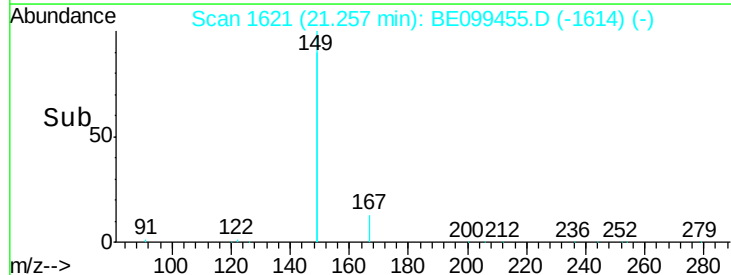
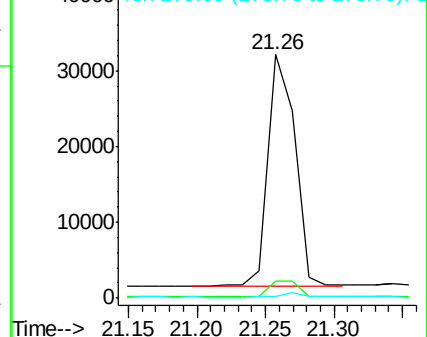
279 1.5 1.0 1.6

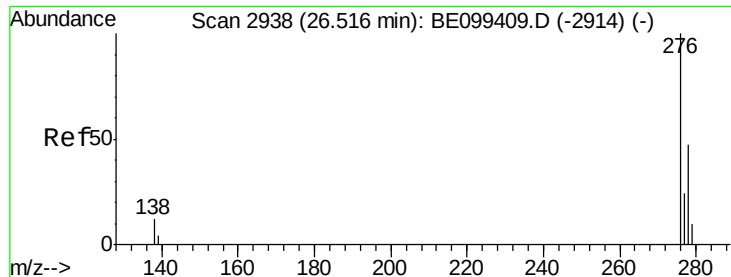


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.339 ng

RT: 26.50 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

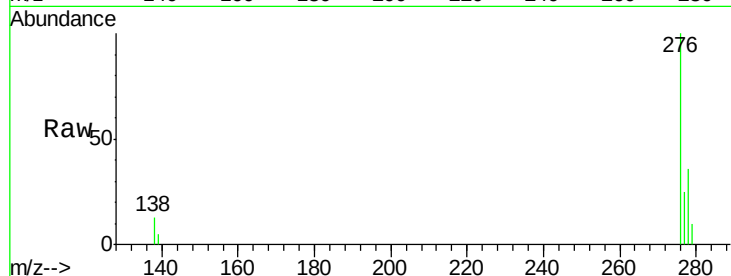
Tot Ion:276 Resp: 32924

Ion Ratio Lower Upper

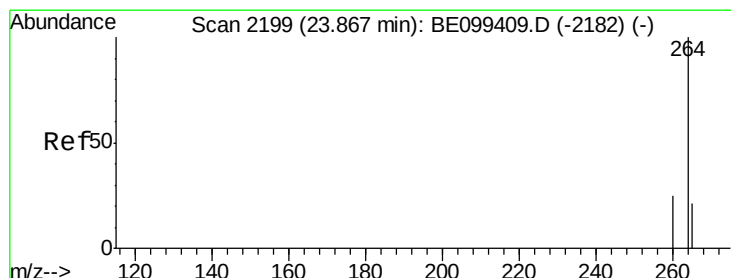
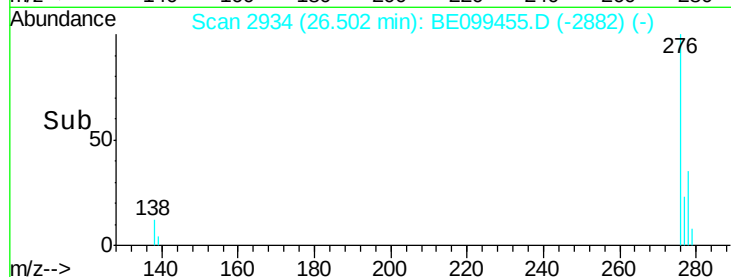
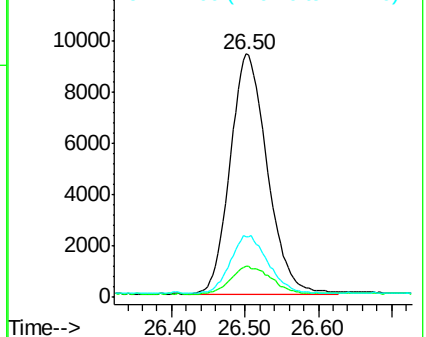
276 100

138 12.3 10.2 15.2

277 24.3 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: 23.86 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

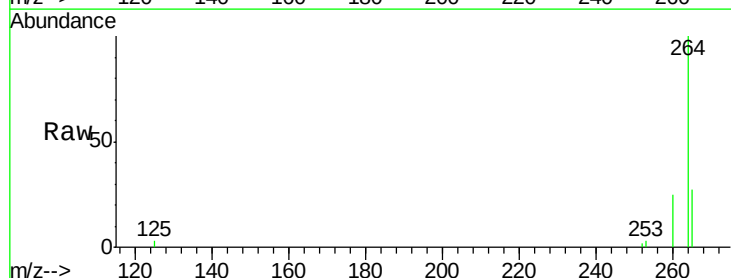
Tgt Ion:264 Resp: 30149

Ion Ratio Lower Upper

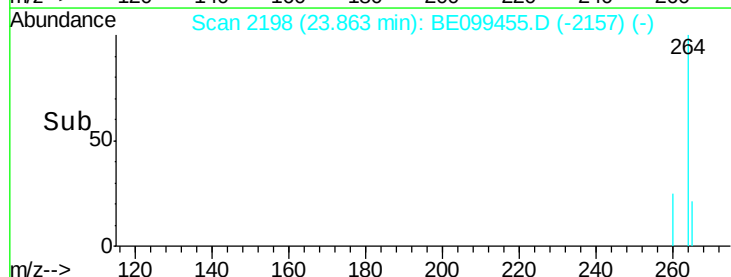
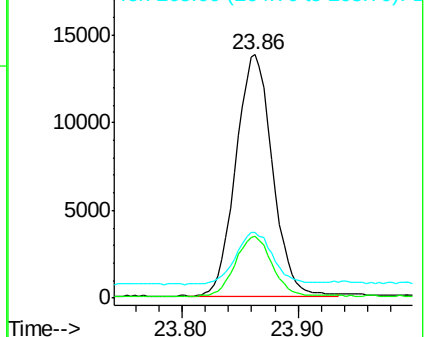
264 100

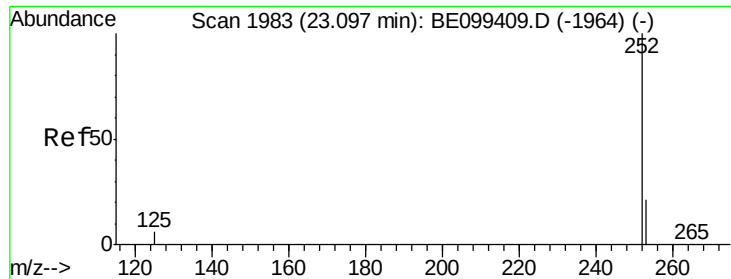
260 25.3 20.2 30.2

265 27.0 21.3 31.9



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: 0.337 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.04 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

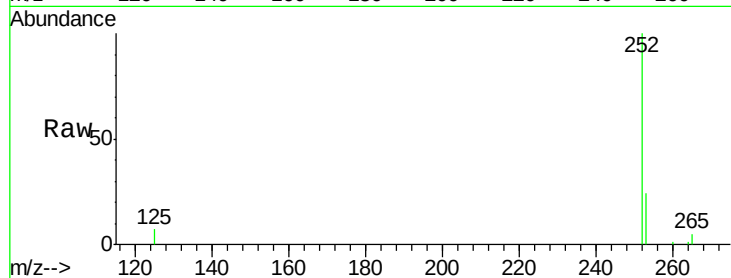
Tot Ion:252 Resp: 29296

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

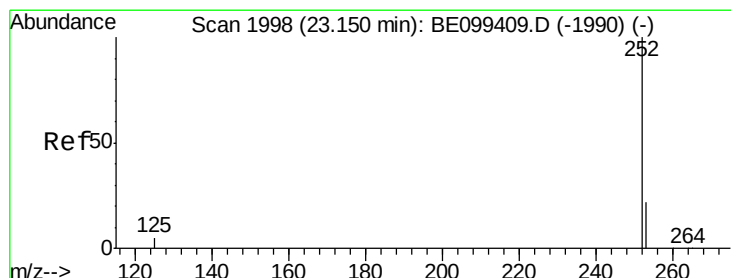
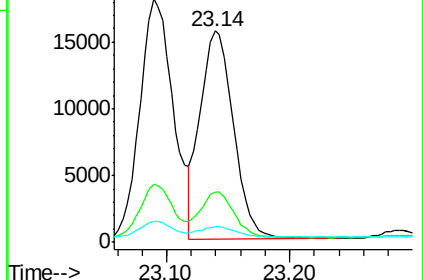
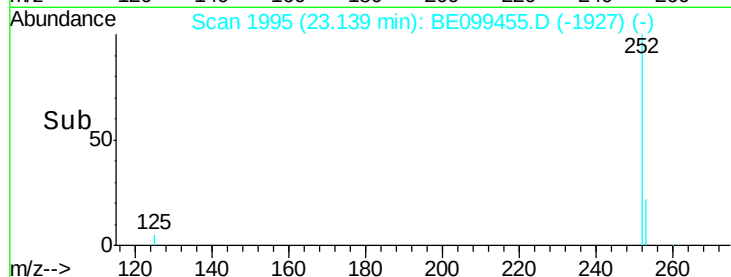
125 7.5 5.6 8.4



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



#36

Benzo(k)fluoranthene

Concen: 0.352 ng

RT: 23.14 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

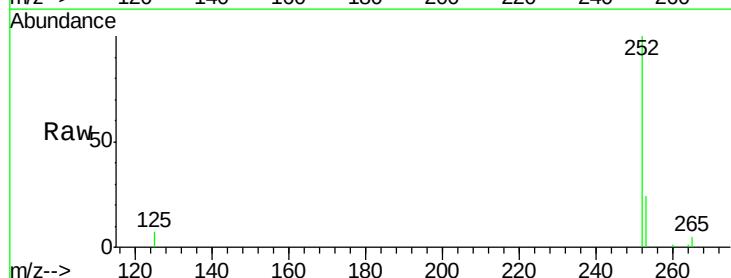
Tgt Ion:252 Resp: 29536

Ion Ratio Lower Upper

252 100

253 23.6 18.4 27.6

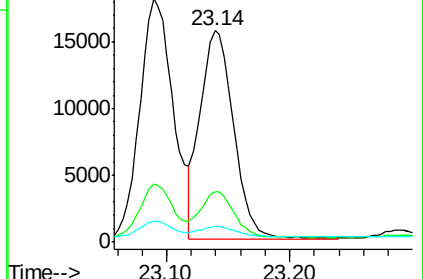
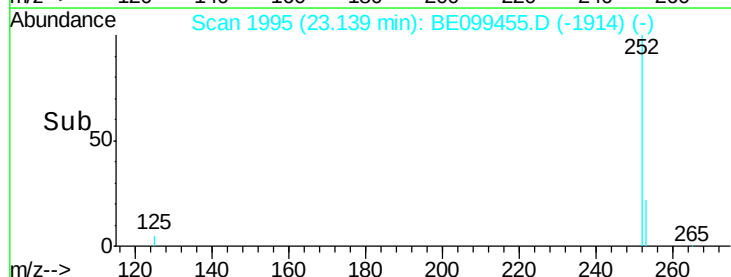
125 7.5 5.0 7.4#

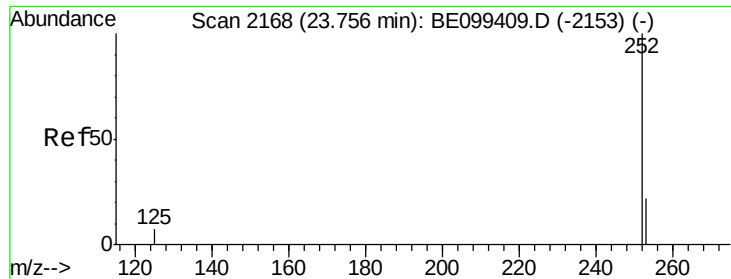


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.377 ng

RT: 23.75 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

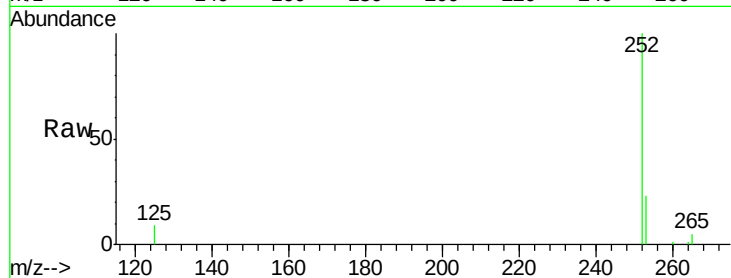
Tot Ion:252 Resp: 31020

Ion Ratio Lower Upper

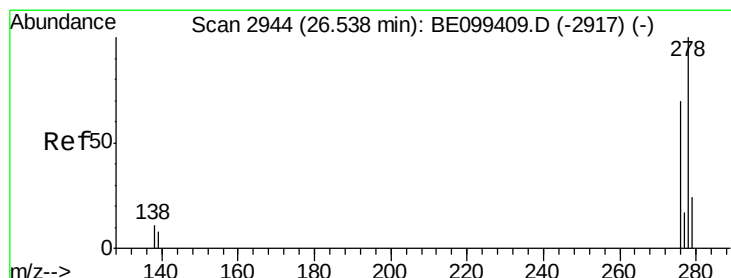
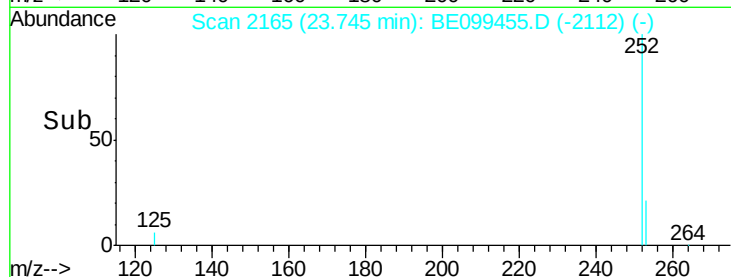
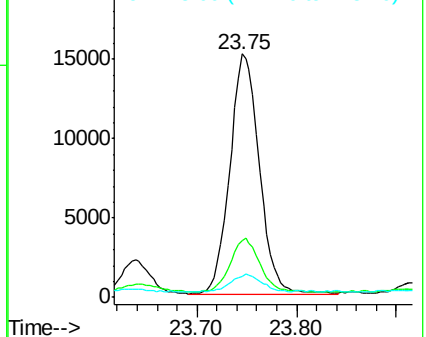
252 100

253 23.1 18.9 28.3

125 8.6 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: 0.293 ng

RT: 26.53 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BE099455.D

Acq: 1 May 2019 9:41

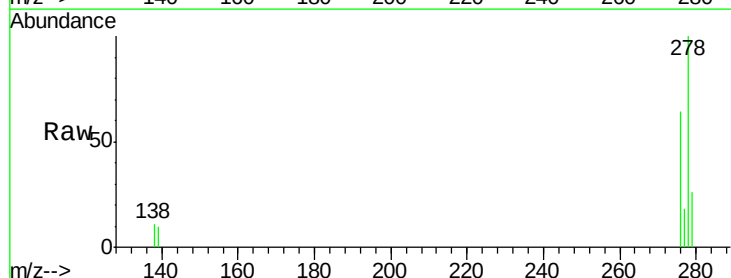
Tgt Ion:278 Resp: 24626

Ion Ratio Lower Upper

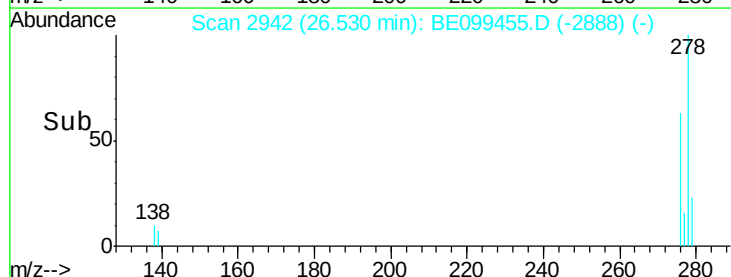
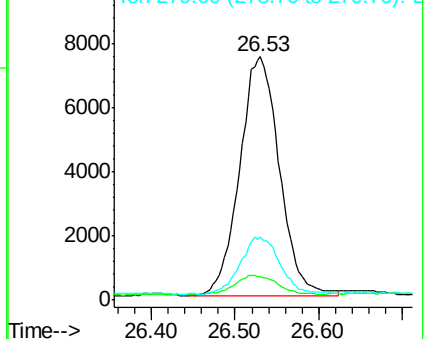
278 100

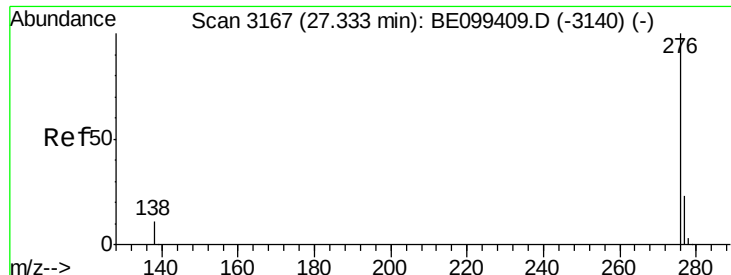
139 9.6 7.7 11.5

279 25.7 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(a,h,i)perylene

Concen: 0.333 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099455.D

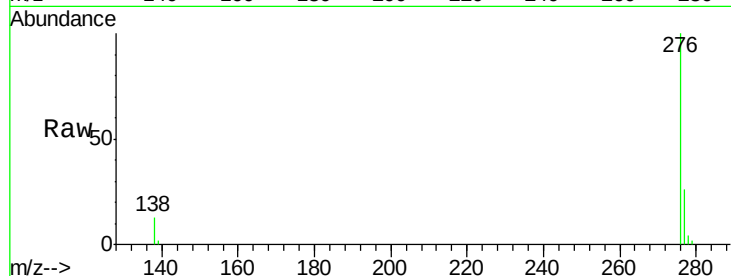
Acq: 1 May 2019 9:41

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS



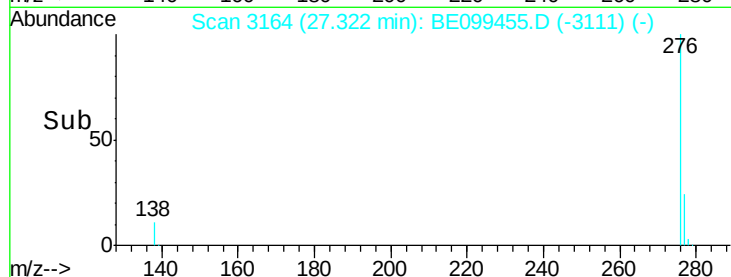
Tot Ion: 276 Resp: 28070

Ion Ratio Lower Upper

276 100

277 25.8 19.5 29.3

138 12.6 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

