

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099374.D
 Acq On : 26 Apr 2019 12:41
 Operator : JU/SJ
 Sample : K2533-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Apr 26 14:29:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1798	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	7308	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5276	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	14044	0.40	ng	0.00
27) Chrysene-d12	21.37	240	15407	0.40	ng	0.00
34) Perylene-d12	23.87	264	16919	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	13858	3.15	ng	0.01
5) Phenol-d6	6.97	99	19869	3.17	ng	0.00
8) Nitrobenzene-d5	8.96	82	17623	3.11	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	12407	0.96	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	7440	4.25	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	50882	2.45	ng	0.00
25) Fluoranthene-d10	19.22	212	144211	0.85	ng	0.00
29) Terphenyl-d14	19.82	244	84708	2.79	ng	0.00

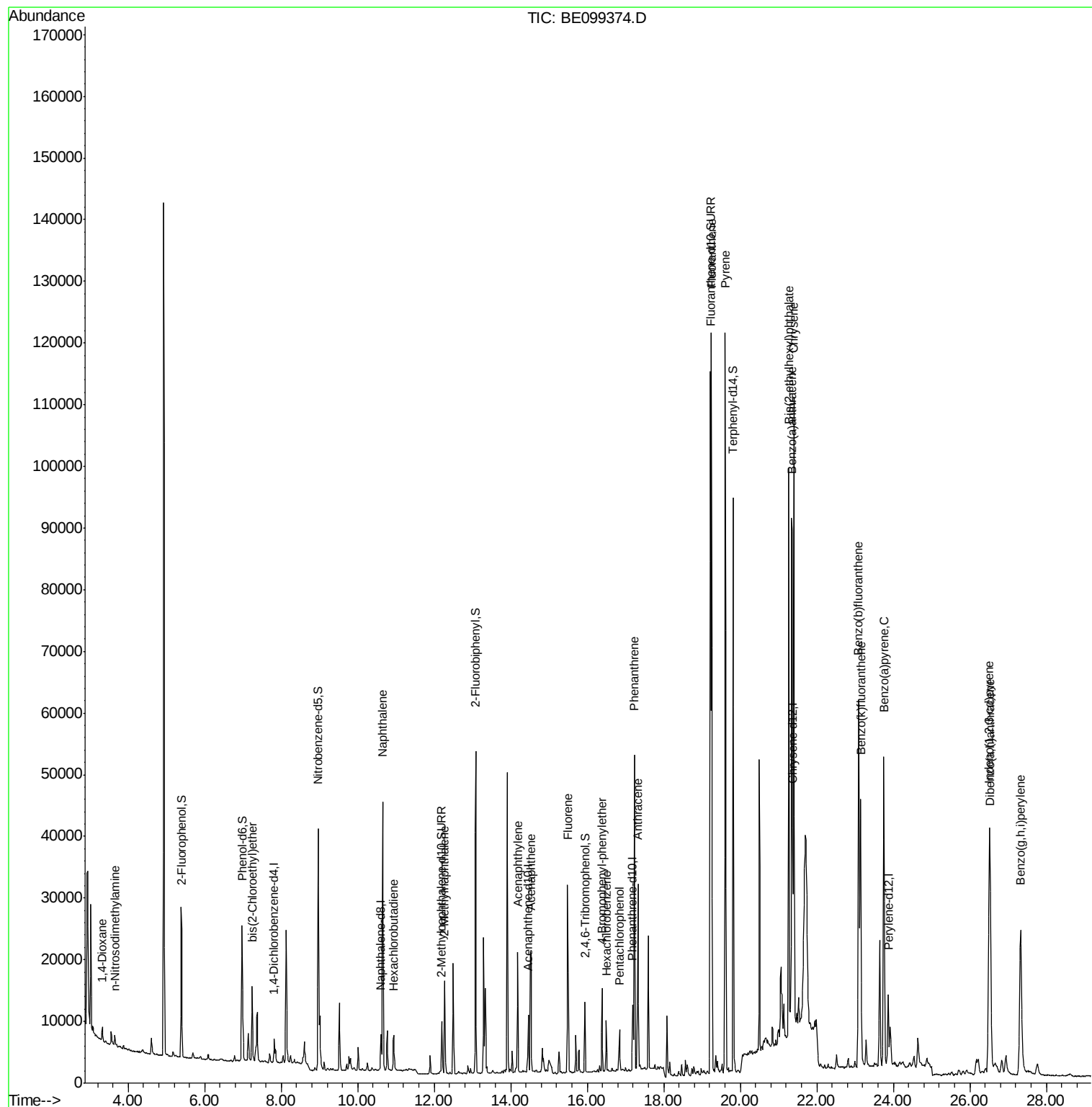
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	1681	0.668	ng	# 53
3) n-Nitrosodimethylamine	3.65	42	1145	0.845	ng	# 99
6) bis(2-Chloroethyl)ether	7.24	93	4666	0.798	ng	100
9) Naphthalene	10.65	128	67590	0.848	ng	100
10) Hexachlorobutadiene	10.94	225	4218	0.833	ng	99
12) 2-Methylnaphthalene	12.27	142	11758	0.867	ng	97
16) Acenaphthylene	14.18	152	22591	0.947	ng	99
17) Acenaphthene	14.53	154	12172	0.828	ng	98
18) Fluorene	15.49	166	17570	0.832	ng	99
20) 4-Bromophenyl-phenylether	16.39	248	6641	0.853	ng	98
21) Hexachlorobenzene	16.49	284	6306	0.843	ng	98
22) Pentachlorophenol	16.84	266	3235	1.291	ng	93
23) Phenanthrene	17.23	178	51804	1.393	ng	100
24) Anthracene	17.32	178	30428	0.920	ng	99
26) Fluoranthene	19.25	202	113252	2.275	ng	99
28) Pyrene	19.61	202	113428	2.499	ng	97
30) Benzo(a)anthracene	21.34	228	82699	1.826	ng	99
31) Chrysene	21.40	228	92393	1.917	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	100059	2.428	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	75050	1.577	ng	# 96
35) Benzo(b)fluoranthene	23.09	252	98036	1.893	ng	# 94
36) Benzo(k)fluoranthene	23.14	252	61093	1.183	ng	# 97
37) Benzo(a)pyrene	23.75	252	76716	1.653	ng	97
38) Dibenzo(a,h)anthracene	26.53	278	43741	0.923	ng	100
39) Benzo(g,h,i)perylene	27.32	276	67563	1.405	ng	98

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

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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: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

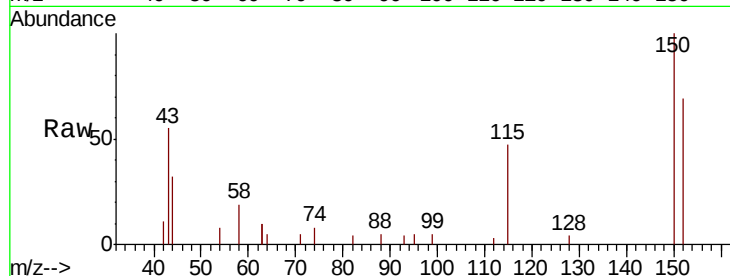
Tot Ion:152 Resp: 1798

Ion Ratio Lower Upper

152 100

150 145.2 119.5 179.3

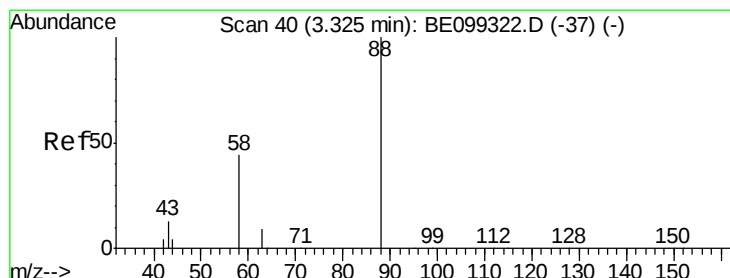
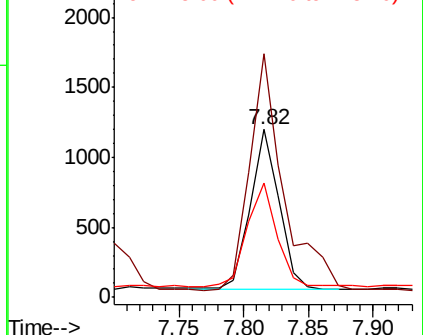
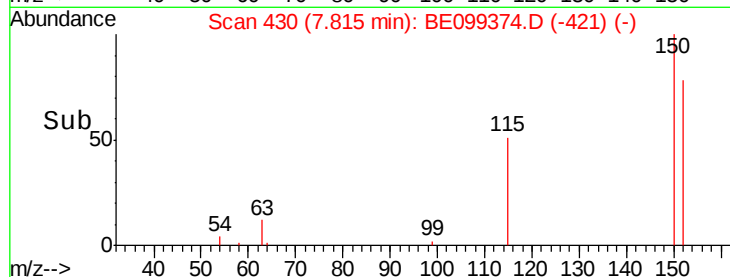
115 67.9 47.5 71.3



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: 0.668 ng

RT: 3.32 min Scan# 40

Delta R.T. -0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

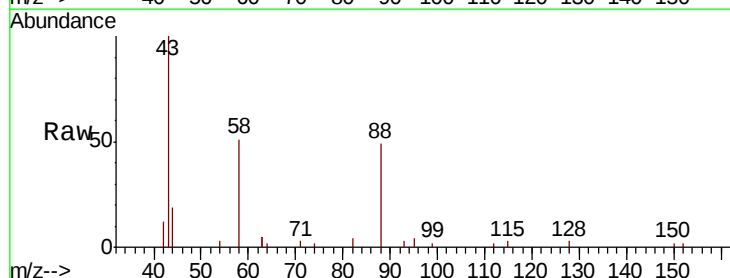
Tgt Ion: 88 Resp: 1681

Ion Ratio Lower Upper

88 100

58 78.8 49.1 73.7#

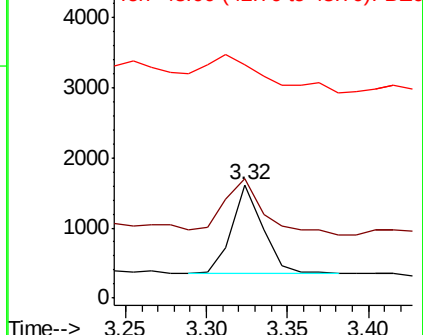
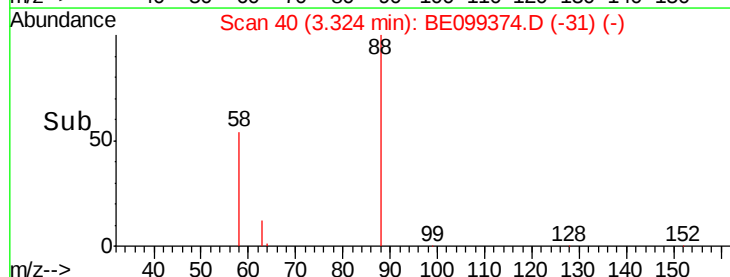
43 77.5 17.9 26.9#

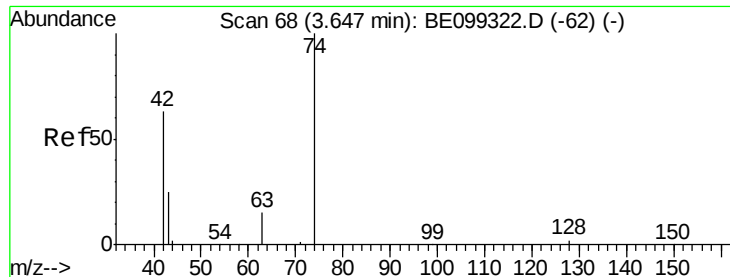


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.845 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

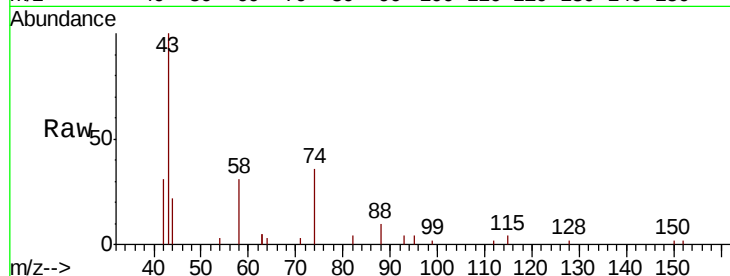
Tot Ion: 42 Resp: 1145

Ion Ratio Lower Upper

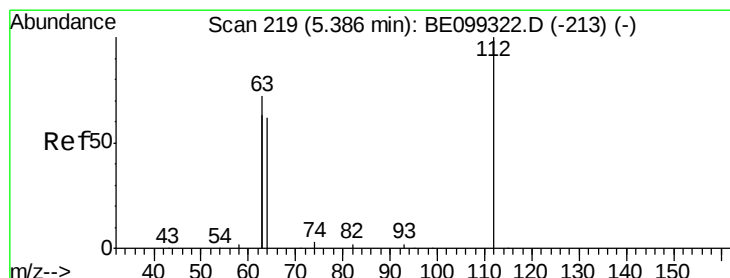
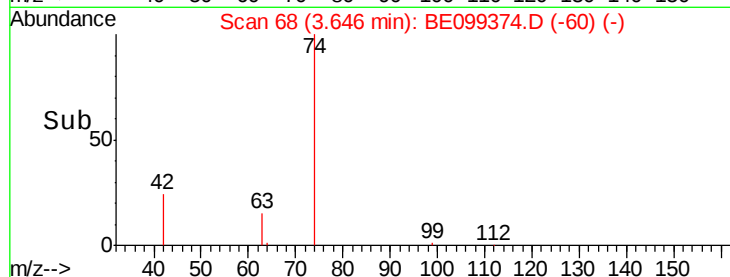
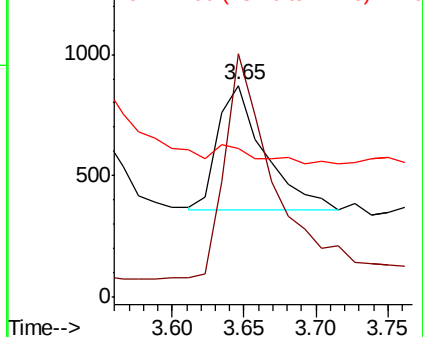
42 100

74 183.7 145.8 218.8

44 13.4 9.0 13.4#



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



#4

2-Fluorophenol

Concen: 3.154 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

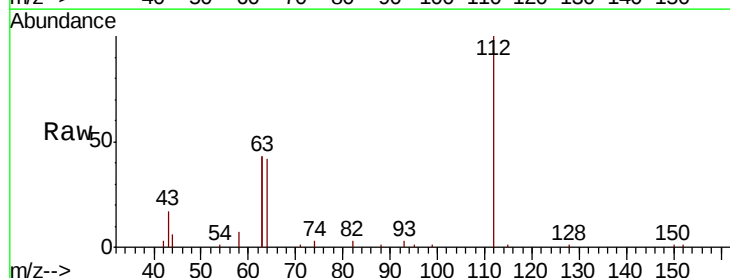
Tgt Ion: 112 Resp: 13858

Ion Ratio Lower Upper

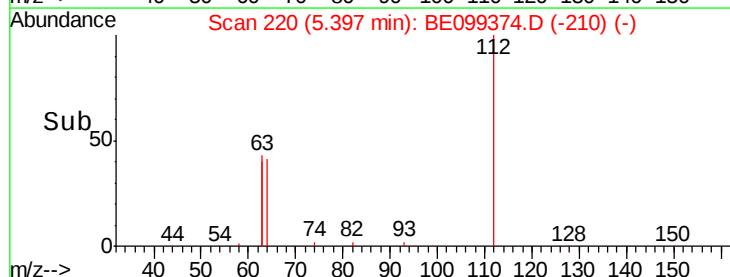
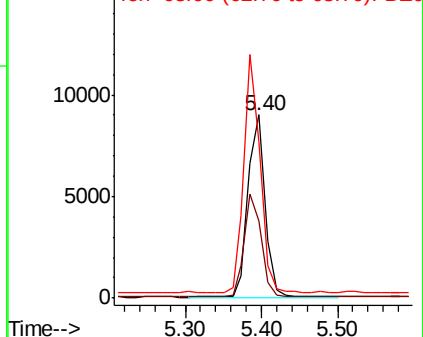
112 100

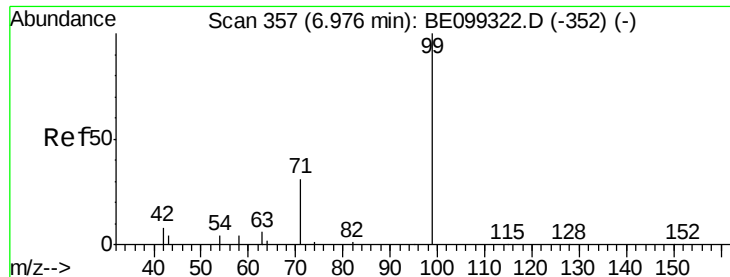
64 57.1 44.9 67.3

63 123.1 97.4 146.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.169 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

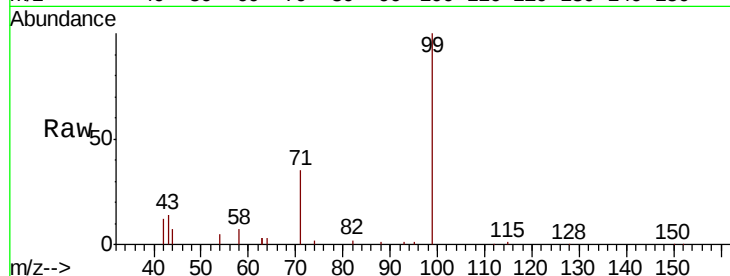
Tot Ion: 99 Resp: 19869

Ion Ratio Lower Upper

99 100

42 16.4 11.7 17.5

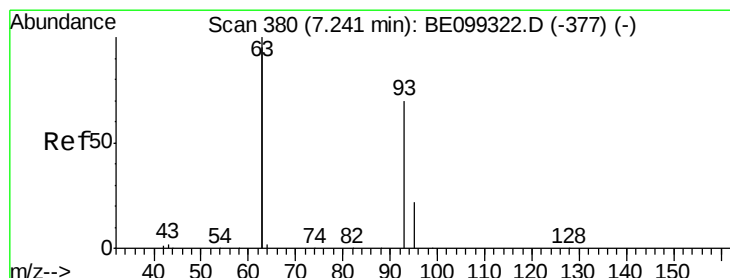
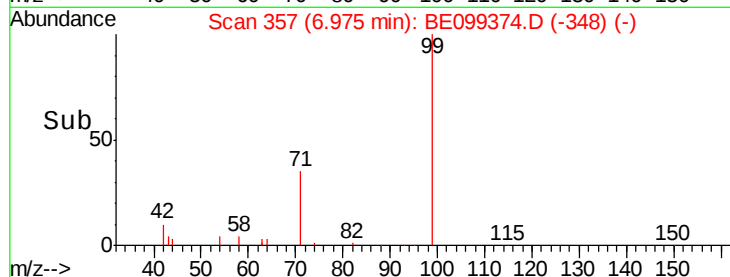
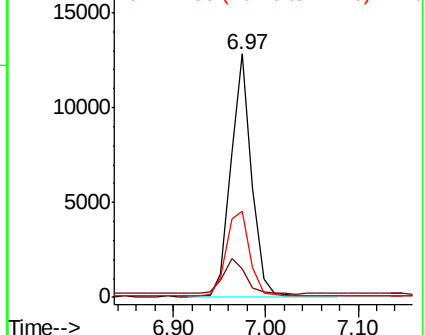
71 39.8 29.6 44.4



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: 0.798 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

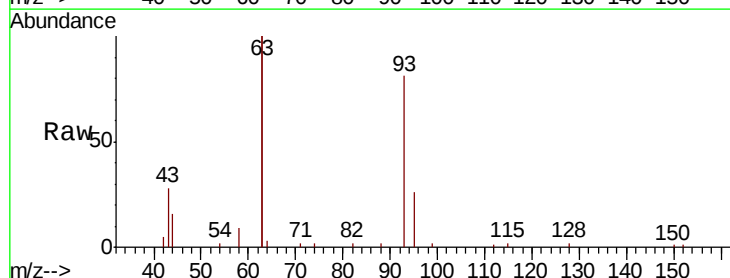
Tgt Ion: 93 Resp: 4666

Ion Ratio Lower Upper

93 100

63 271.4 216.6 324.8

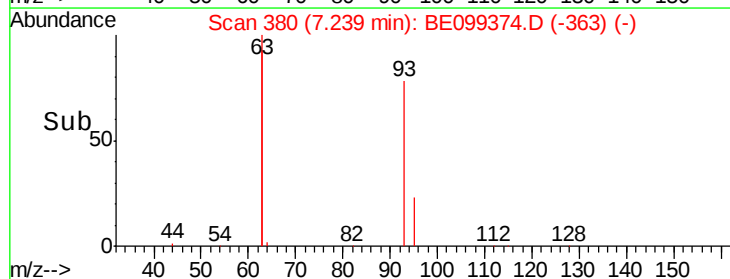
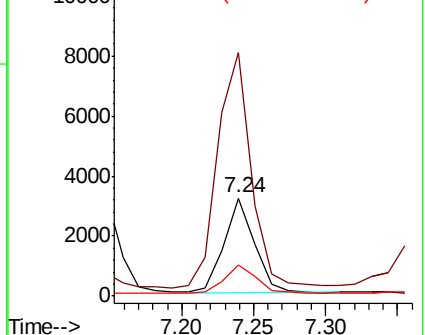
95 32.3 25.8 38.6

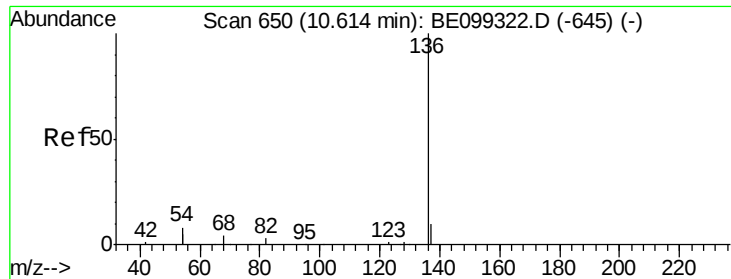


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

Tot Ion:136 Resp: 7308

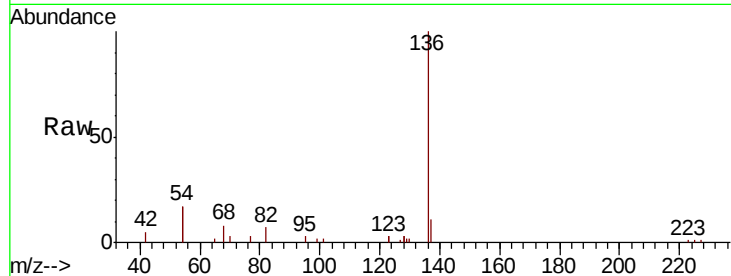
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 34.9 23.8 35.8

68 7.8 6.4 9.6

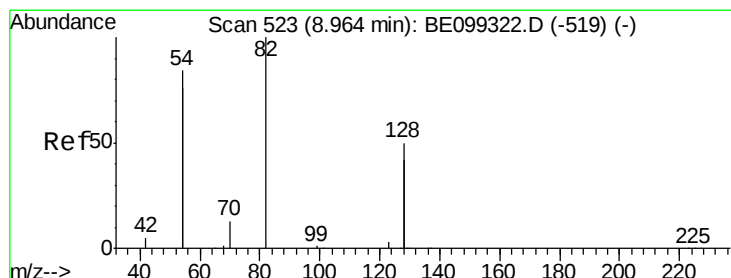
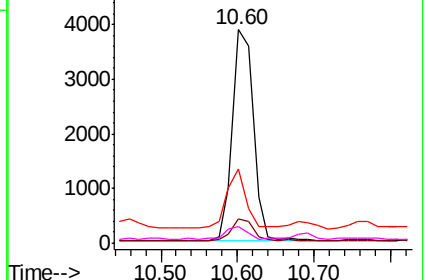
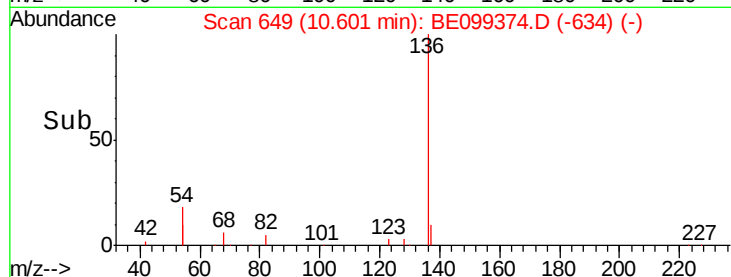


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.106 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

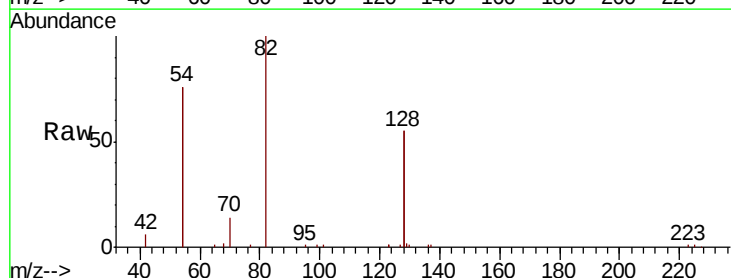
Tgt Ion: 82 Resp: 17623

Ion Ratio Lower Upper

82 100

128 109.4 91.7 137.5

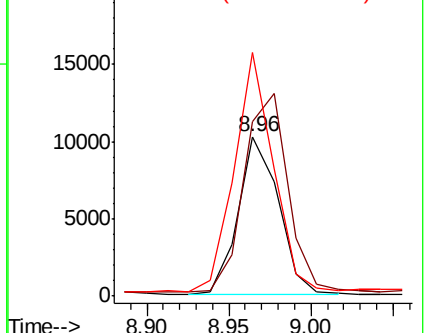
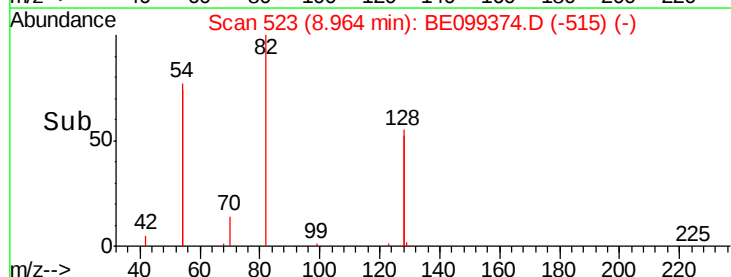
54 152.5 122.8 184.2

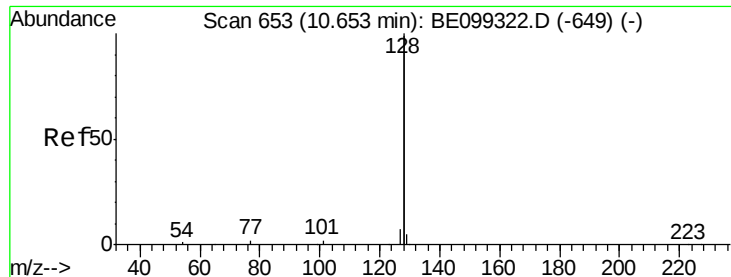


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.848 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

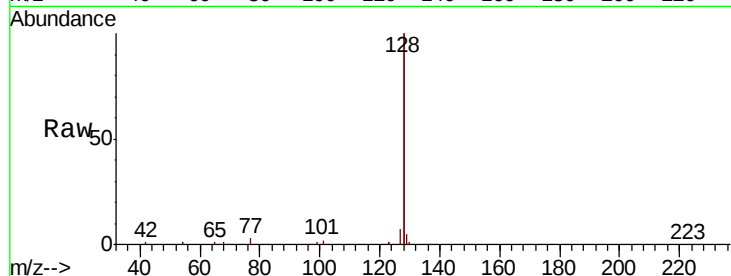
Tot Ion:128 Resp: 67590

Ion Ratio Lower Upper

128 100

129 2.7 2.3 3.5

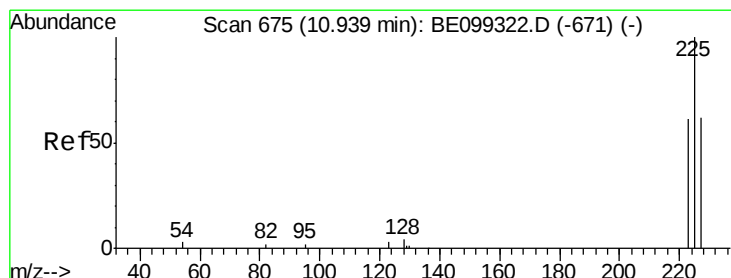
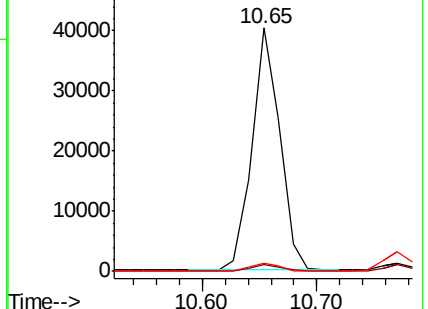
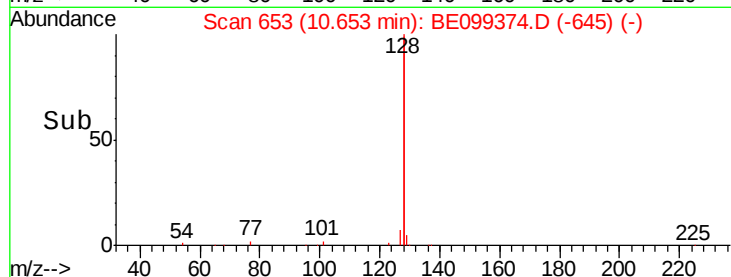
127 3.4 2.8 4.2



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: 0.833 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

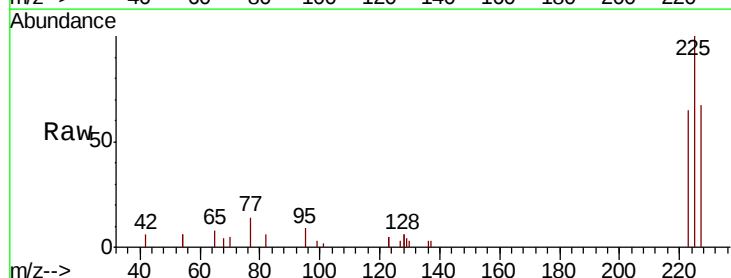
Tgt Ion:225 Resp: 4218

Ion Ratio Lower Upper

225 100

223 64.7 50.3 75.5

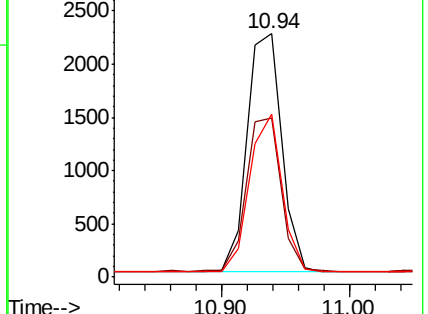
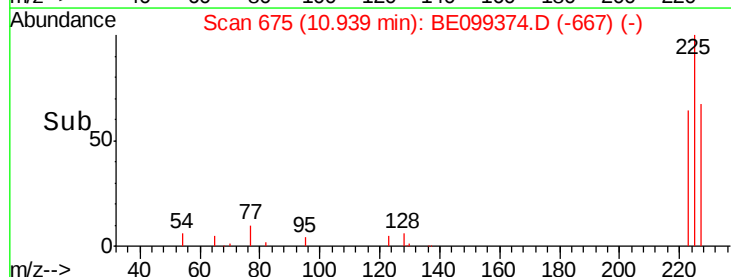
227 61.9 49.4 74.0

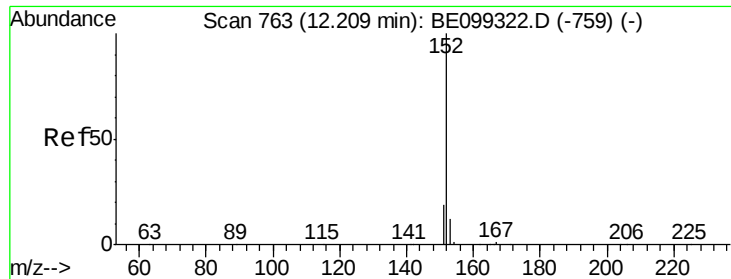


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

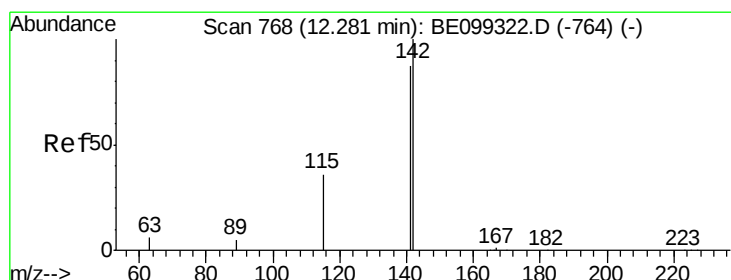
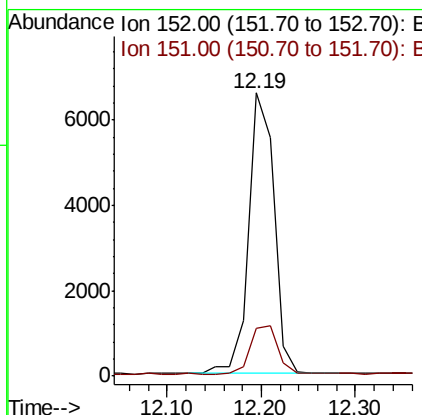
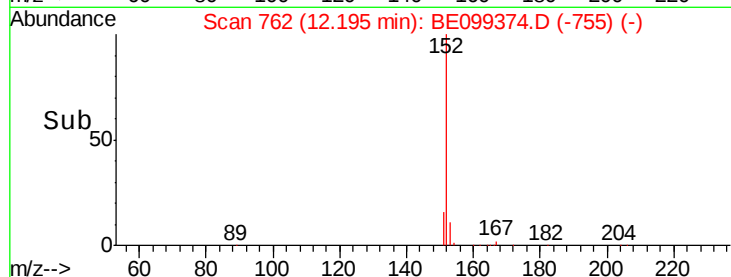
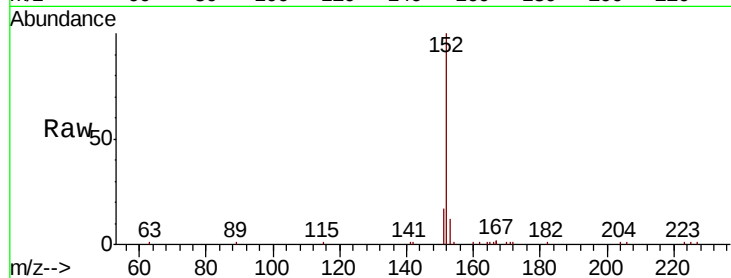




#11
 2-Methylnaphthalene-d10
 Concen: 0.962 ng
 RT: 12.19 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE099374.D
 Acq: 26 Apr 2019 12:41

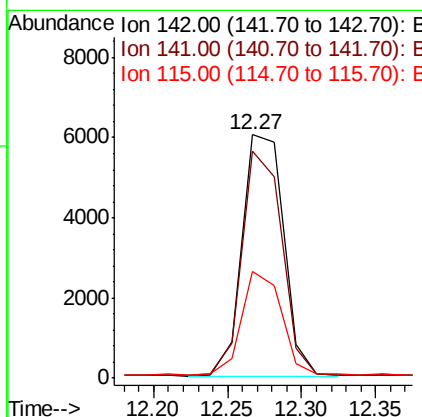
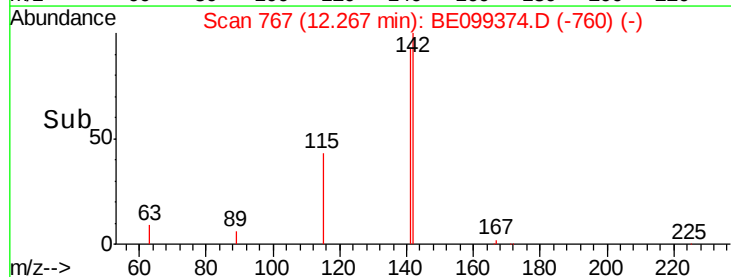
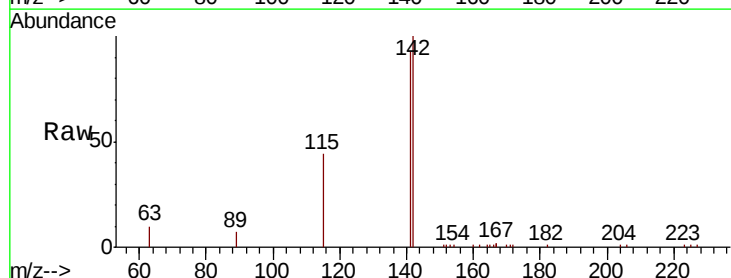
Instrument :
 BNA_E
 ClientSampleId :
 PST-072-B156-042219

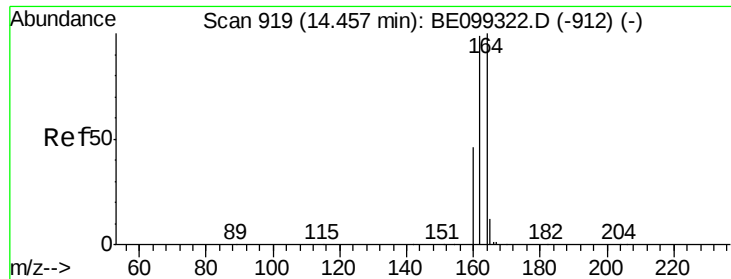
Tot Ion:152 Resp: 12407
 Ion Ratio Lower Upper
 152 100
 151 18.8 14.9 22.3



#12
 2-Methylnaphthalene
 Concen: 0.867 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE099374.D
 Acq: 26 Apr 2019 12:41

Tgt Ion:142 Resp: 11758
 Ion Ratio Lower Upper
 142 100
 141 93.2 72.0 108.0
 115 43.9 33.4 50.0

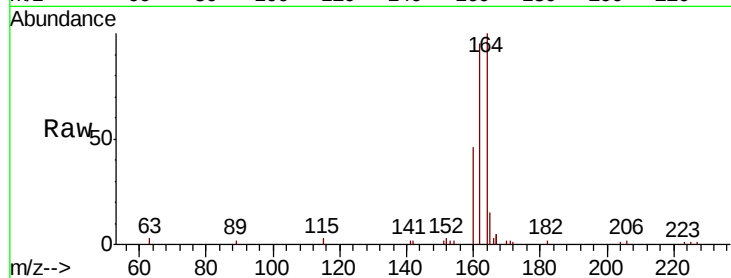




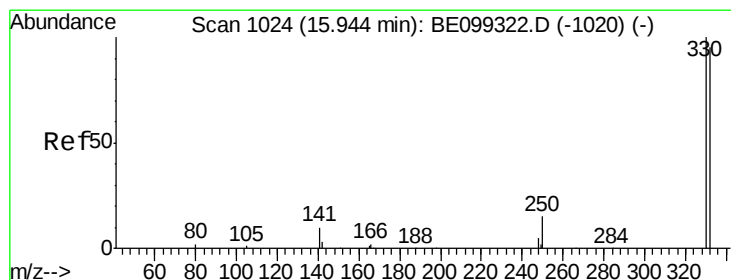
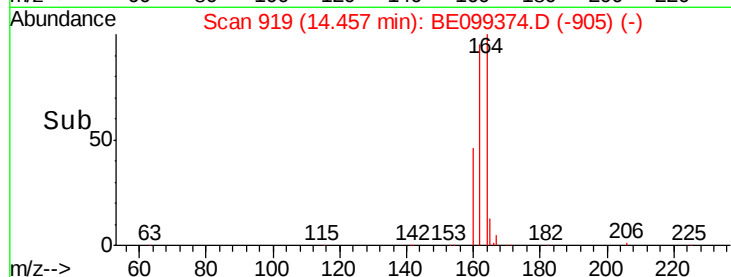
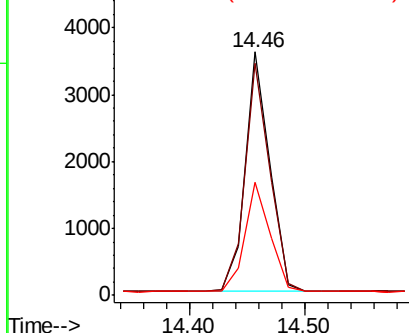
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE099374.D
 Acq: 26 Apr 2019 12:41

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

Tot Ion:164 Resp: 5276
 Ion Ratio Lower Upper
 164 100
 162 95.2 77.8 116.6
 160 46.4 37.1 55.7

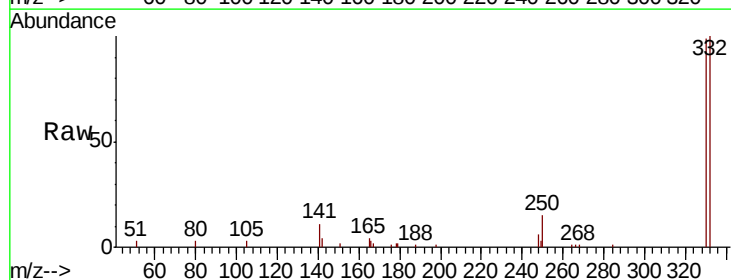


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

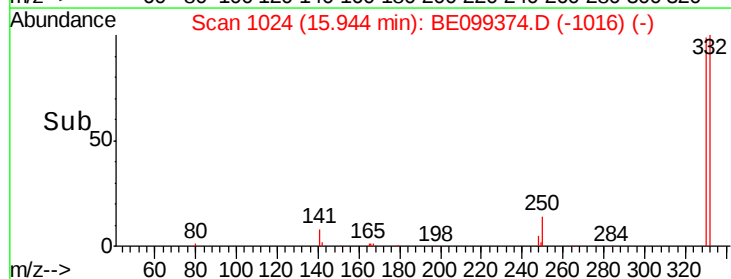
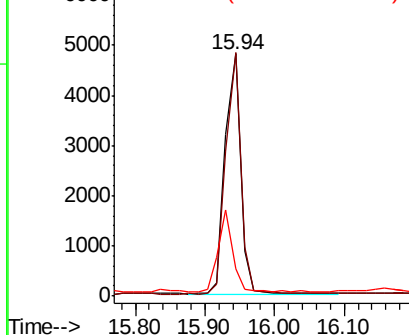


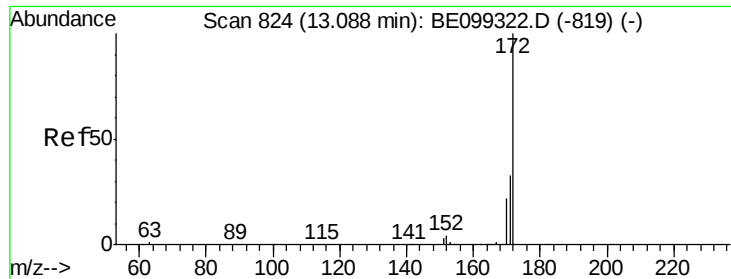
#14
 2,4,6-Tribromophenol
 Concen: 4.245 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099374.D
 Acq: 26 Apr 2019 12:41

Tgt Ion:330 Resp: 7440
 Ion Ratio Lower Upper
 330 100
 332 97.2 82.5 123.7
 141 31.6 24.9 37.3



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

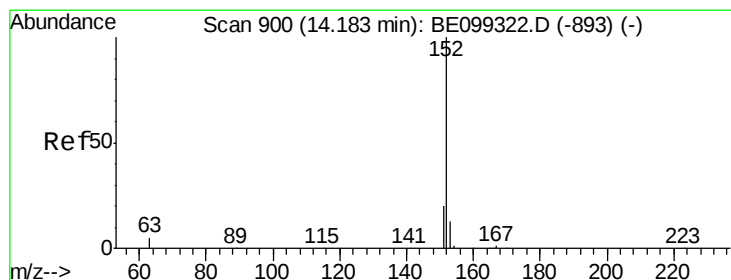
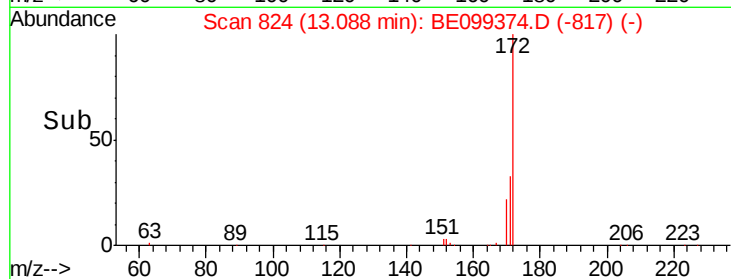
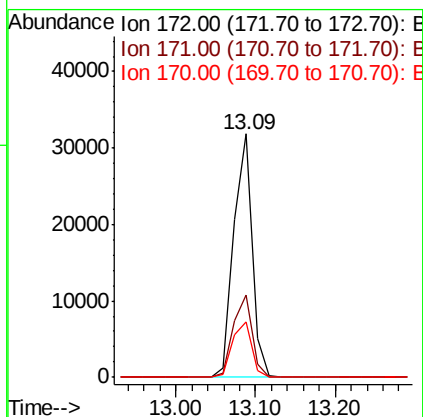
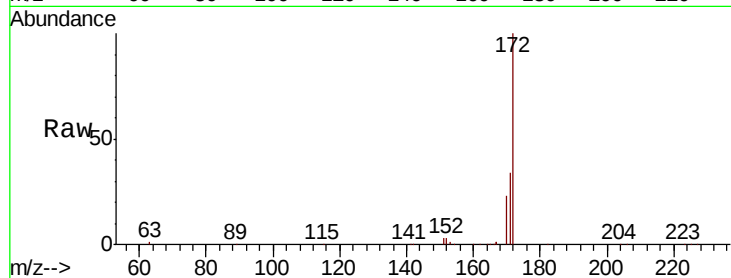




#15
2-Fluorobiphenyl
Concen: 2.454 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099374.D
Acq: 26 Apr 2019 12:41

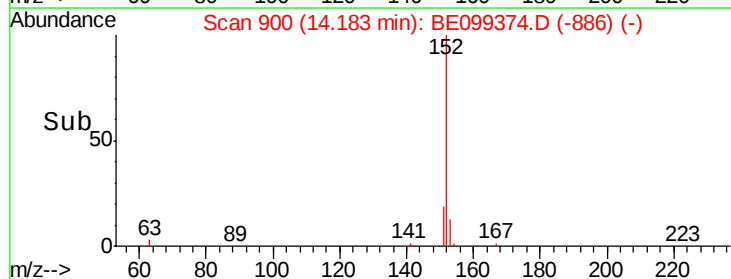
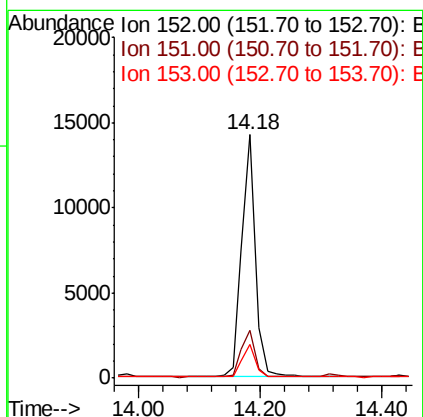
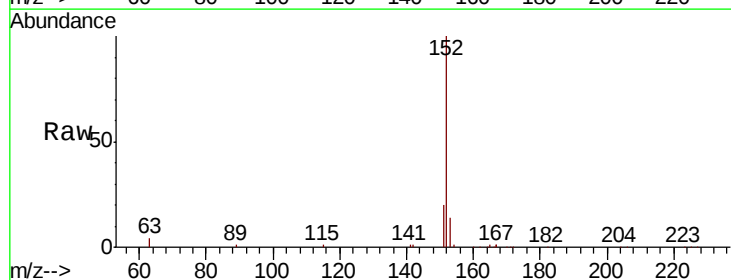
Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

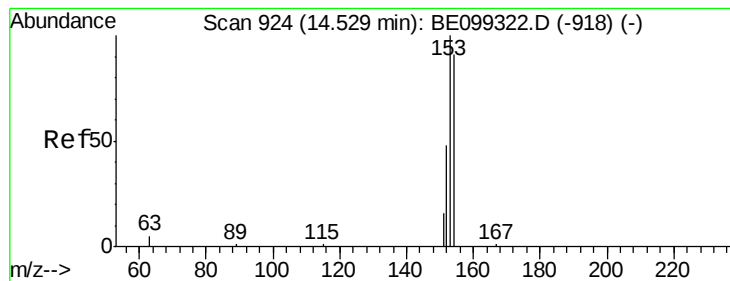
Tot Ion:172 Resp: 50882
Ion Ratio Lower Upper
172 100
171 33.6 26.2 39.2
170 22.5 18.1 27.1



#16
Acenaphthylene
Concen: 0.947 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099374.D
Acq: 26 Apr 2019 12:41

Tgt Ion:152 Resp: 22591
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 13.3 10.2 15.4





#17

Acenaphthene

Concen: 0.828 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

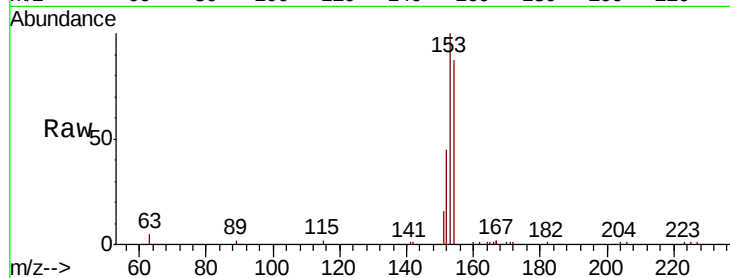
Tot Ion:154 Resp: 12172

Ion Ratio Lower Upper

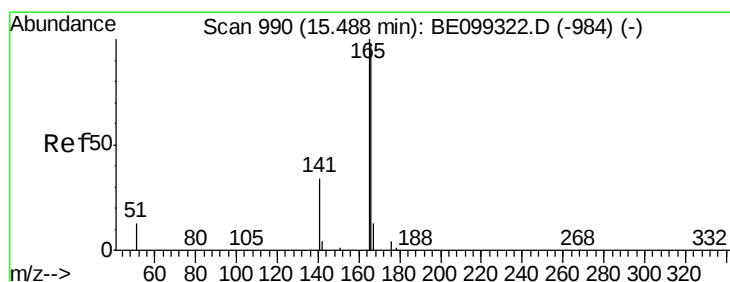
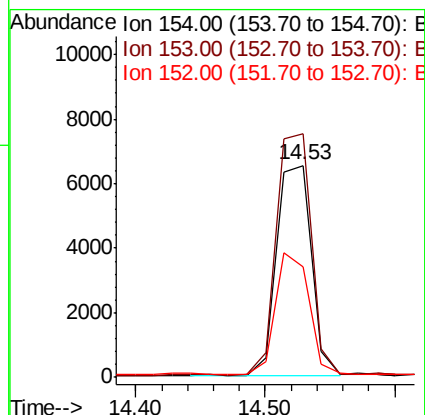
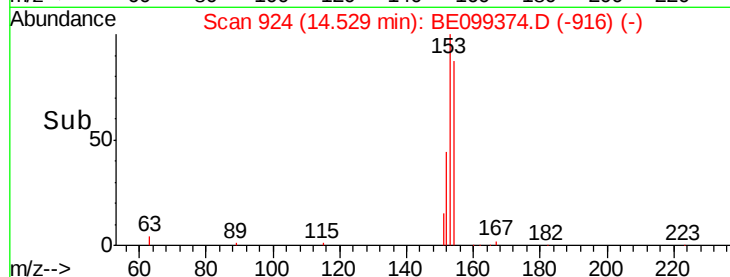
154 100

153 116.3 94.7 142.1

152 56.2 46.4 69.6



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: 0.832 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

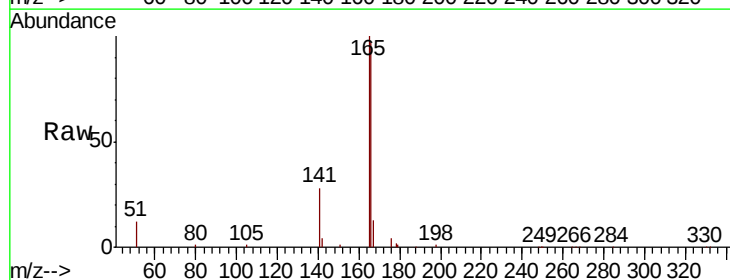
Tgt Ion:166 Resp: 17570

Ion Ratio Lower Upper

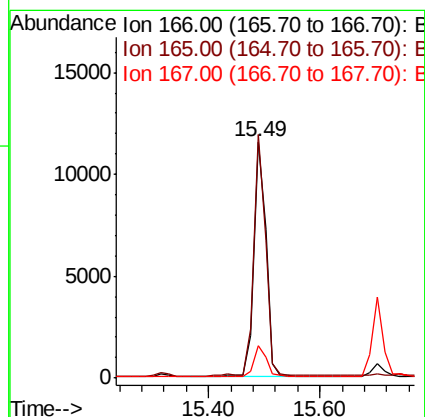
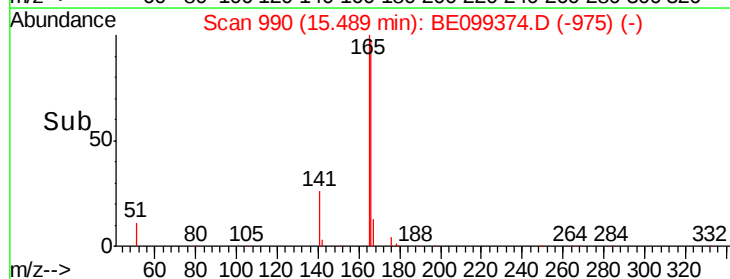
166 100

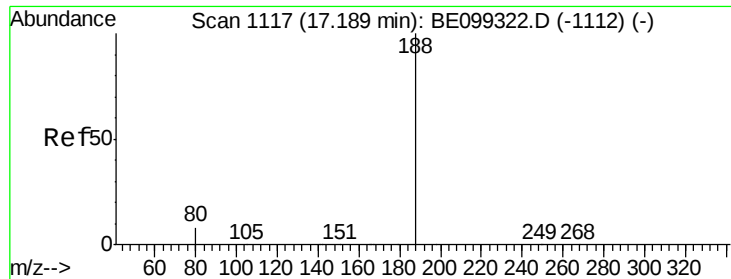
165 100.7 79.7 119.5

167 13.4 11.0 16.4



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: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

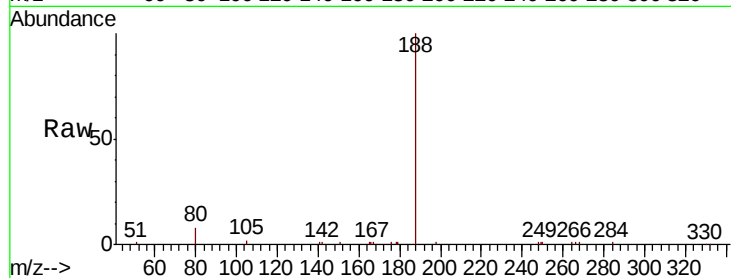
Tot Ion:188 Resp: 14044

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

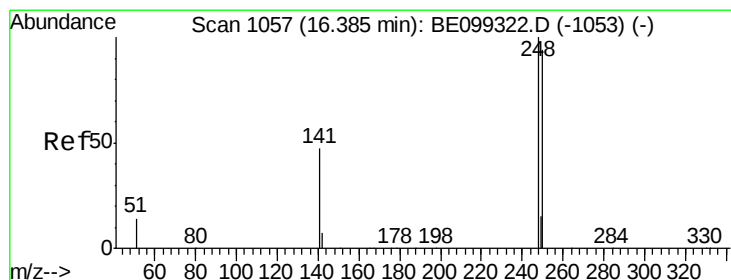
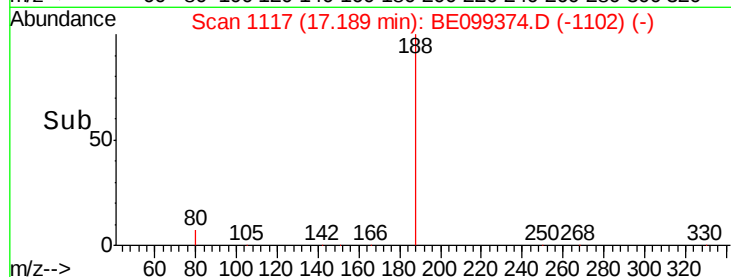
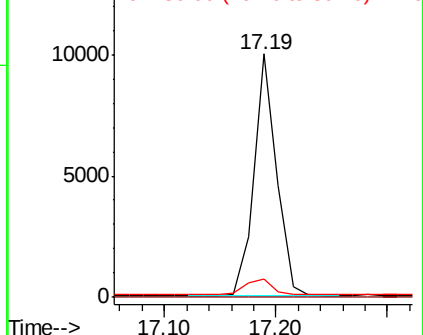
80 7.7 6.2 9.4



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: 0.853 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

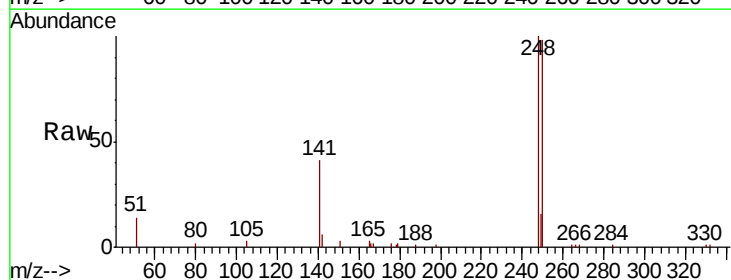
Tgt Ion:248 Resp: 6641

Ion Ratio Lower Upper

248 100

250 97.8 77.0 115.6

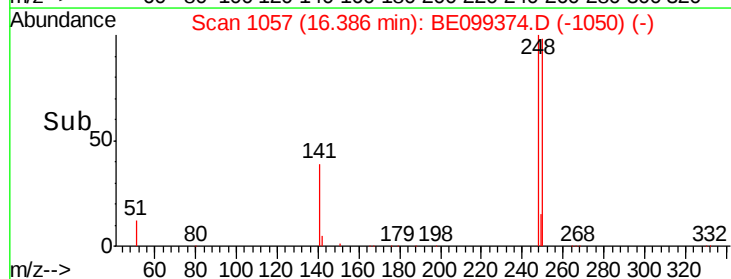
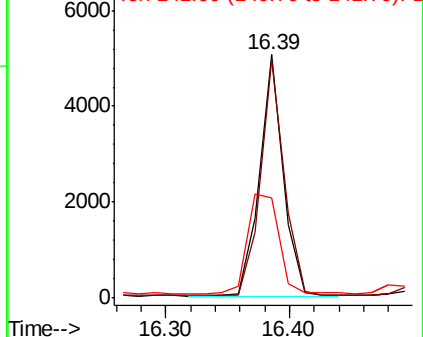
141 41.0 31.1 46.7

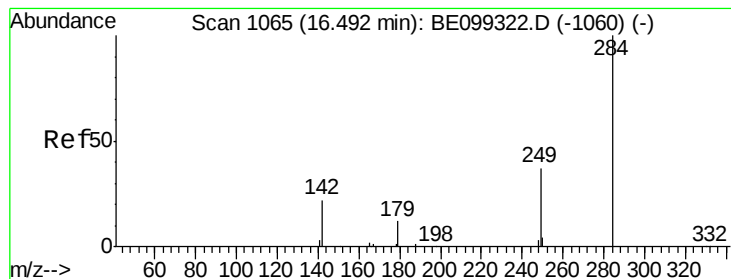


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.843 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

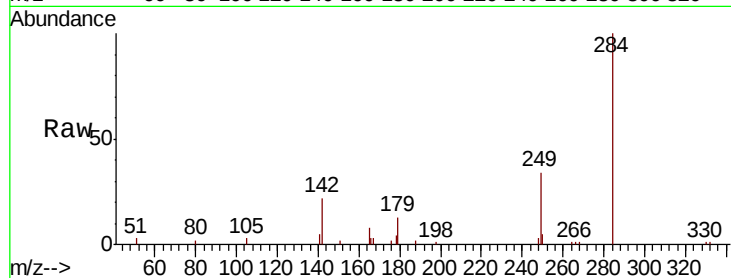
Tot Ion:284 Resp: 6306

Ion Ratio Lower Upper

284 100

142 27.5 21.8 32.6

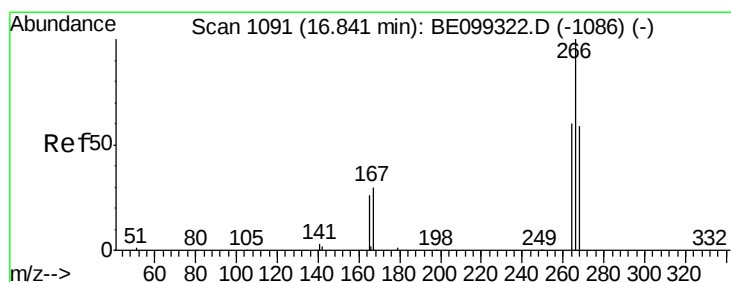
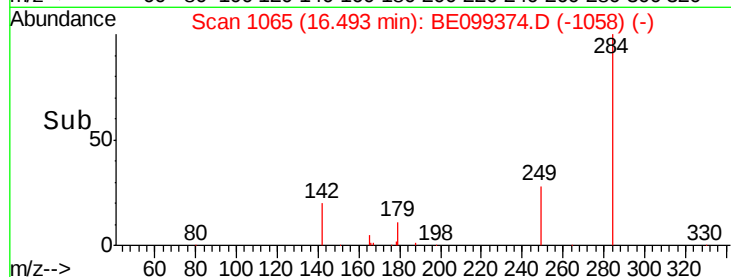
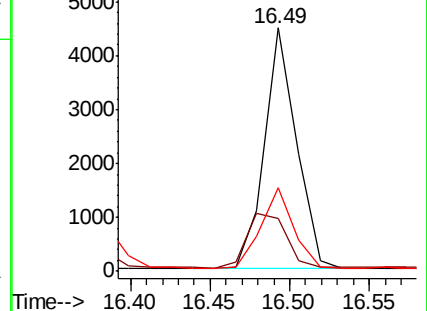
249 34.1 26.2 39.4



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: 1.291 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

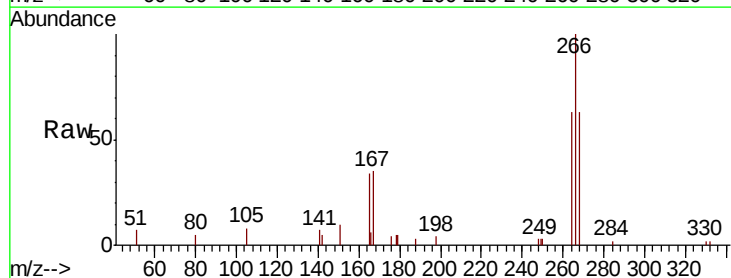
Tgt Ion:266 Resp: 3235

Ion Ratio Lower Upper

266 100

264 62.8 54.5 81.7

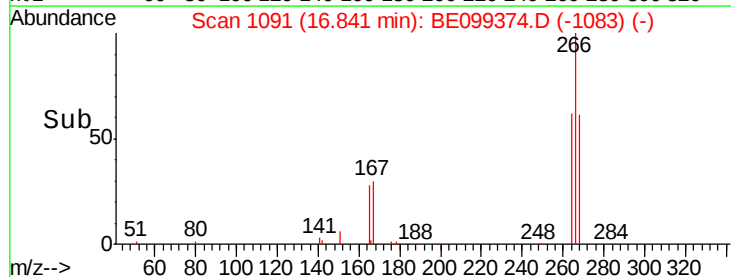
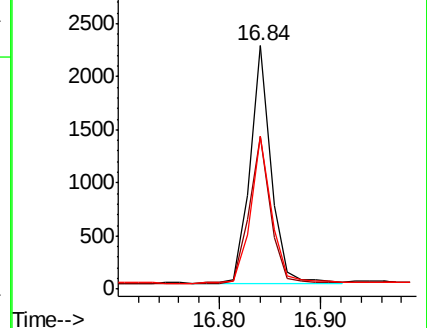
268 62.6 54.3 81.5

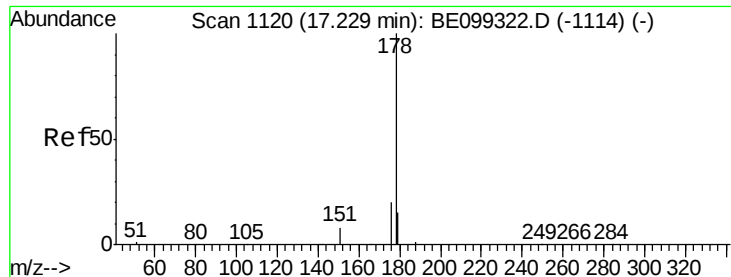


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.393 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

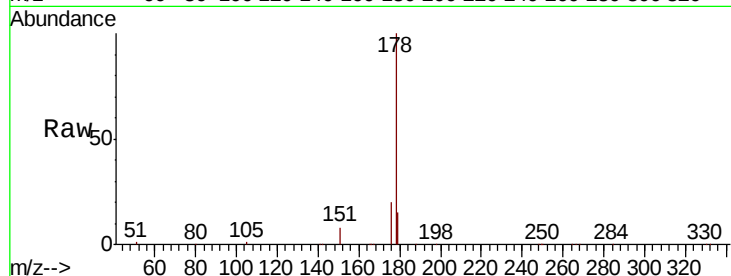
Tot Ion:178 Resp: 51804

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.3 12.4 18.6

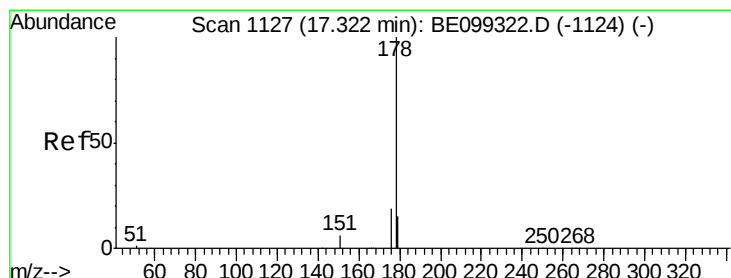
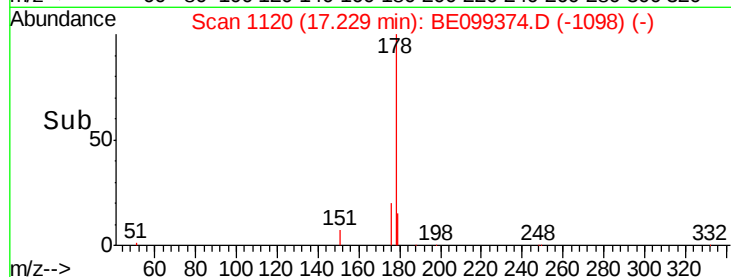
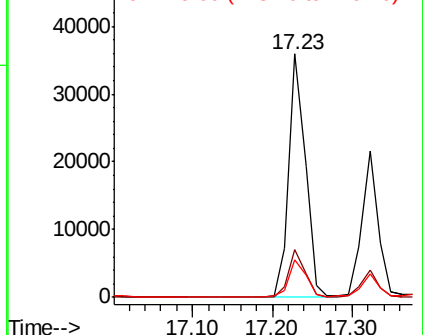


Abundance

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: 0.920 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

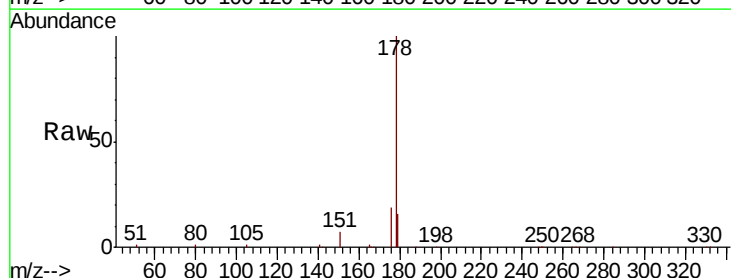
Tgt Ion:178 Resp: 30428

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

179 15.5 11.9 17.9

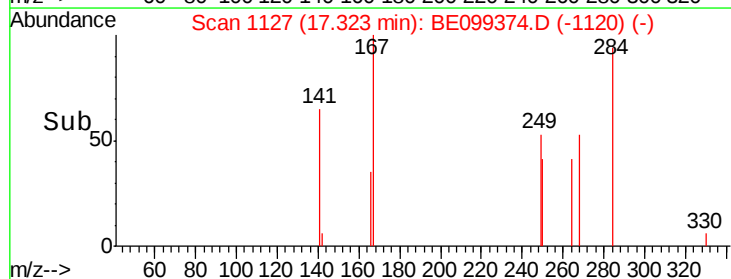
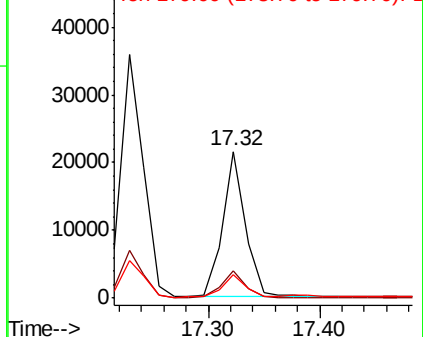


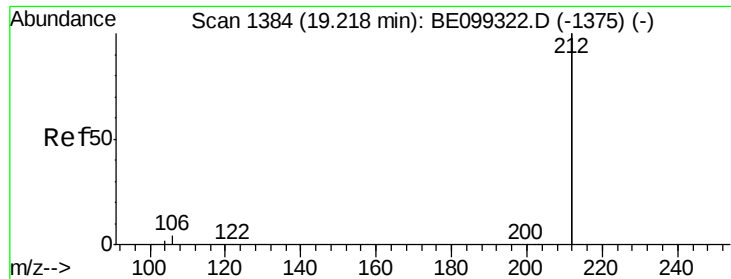
Abundance

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: 0.855 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

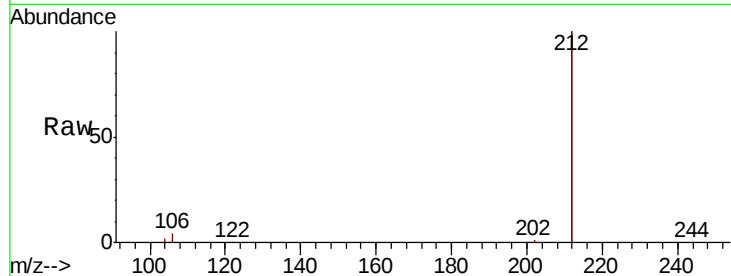
Instrument :

BNA_E

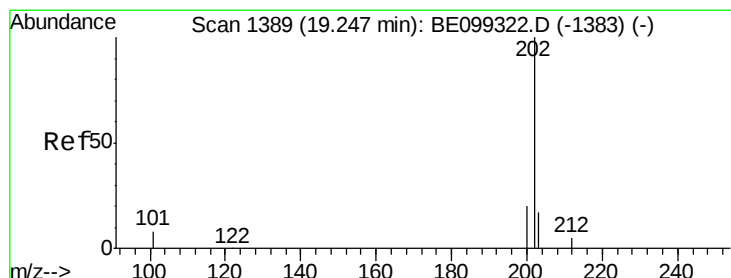
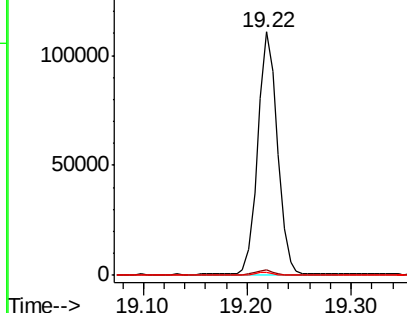
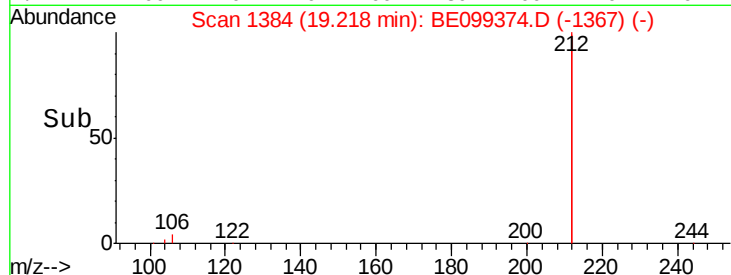
ClientSampleId :

PST-072-B156-042219

Tot Ion:212	Resp:	144211
Ion Ratio	Lower	Upper
212	100	
106	2.0	1.8 2.6
104	1.2	1.0 1.4



Abundance Ion 212.00 (211.70 to 212.70): E
 150000
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 2.275 ng

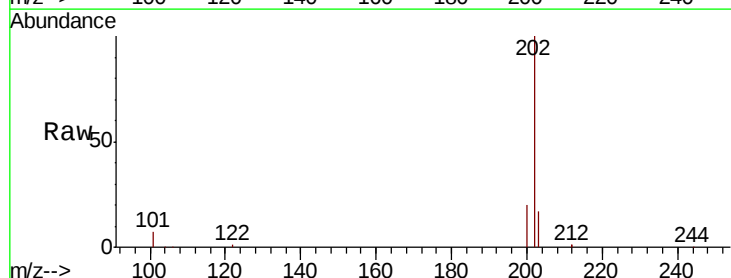
RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

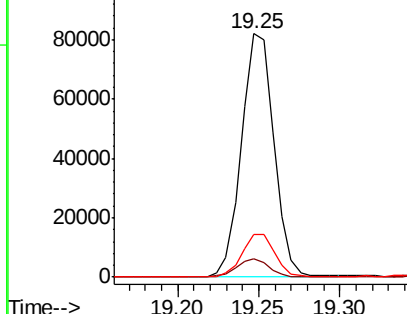
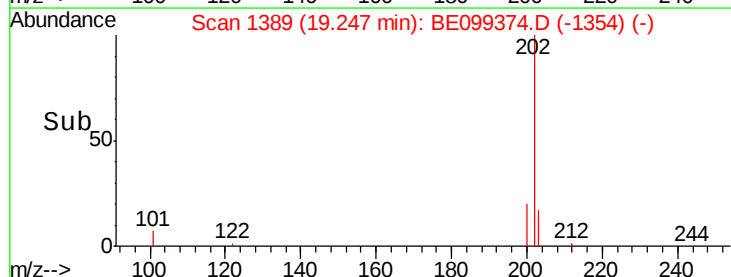
Lab File: BE099374.D

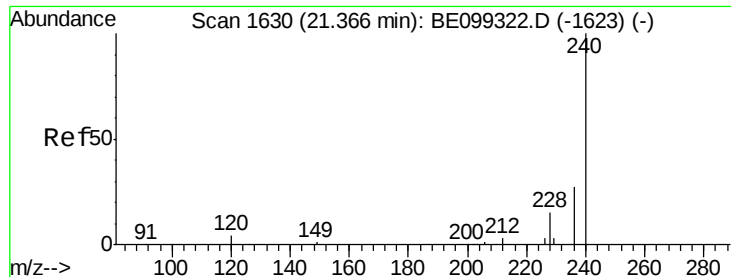
Acq: 26 Apr 2019 12:41

Tgt Ion:202	Resp:	113252
Ion Ratio	Lower	Upper
202	100	
101	7.3	6.4 9.6
203	17.4	13.5 20.3



Abundance Ion 202.00 (201.70 to 202.70): E
 100000
 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: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

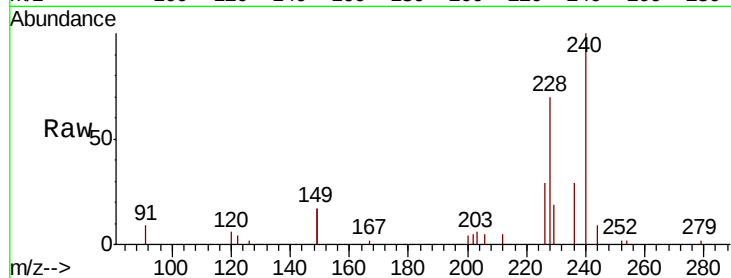
Tot Ion:240 Resp: 15407

Ion Ratio Lower Upper

240 100

120 5.9 2.2 3.2#

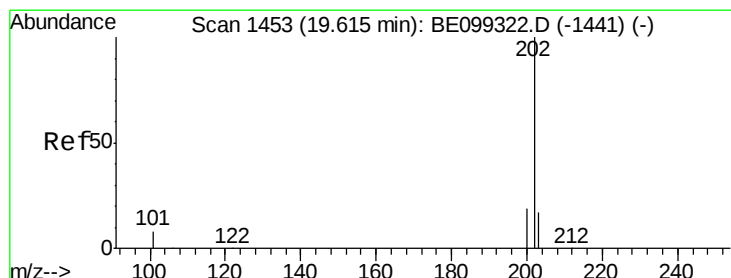
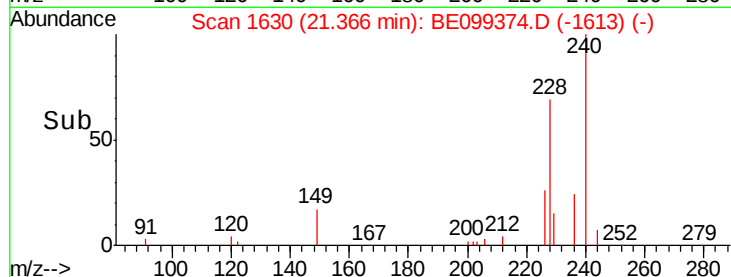
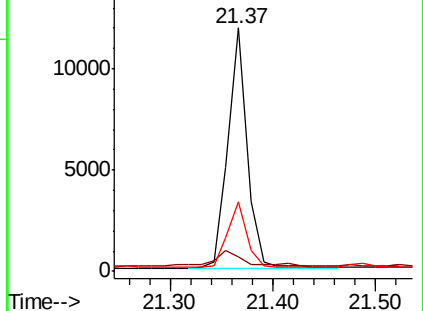
236 28.7 20.2 30.4



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: 2.499 ng

RT: 19.61 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

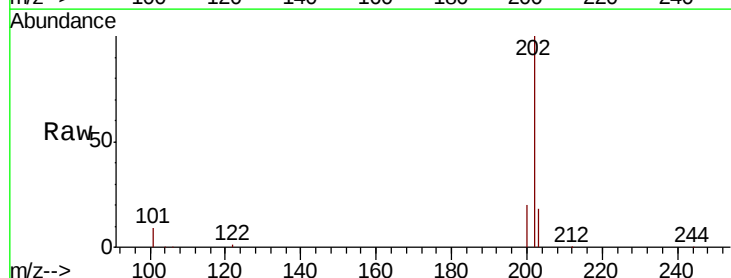
Tgt Ion:202 Resp: 113428

Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

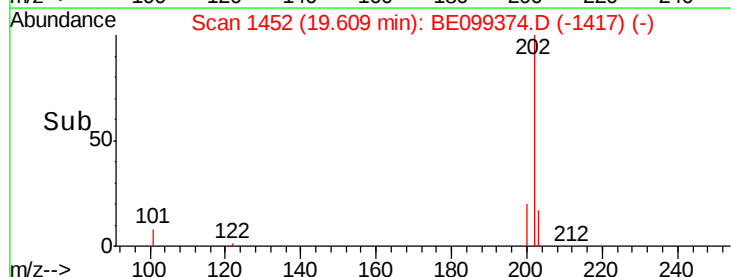
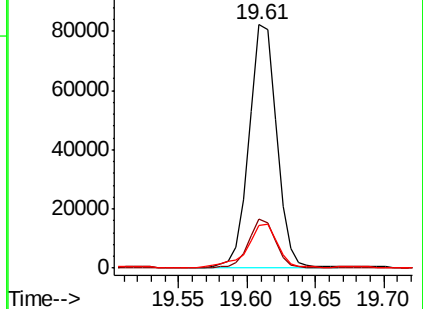
203 19.9 13.7 20.5

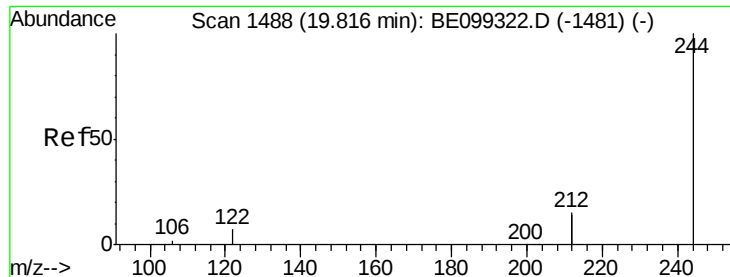


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 2.793 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

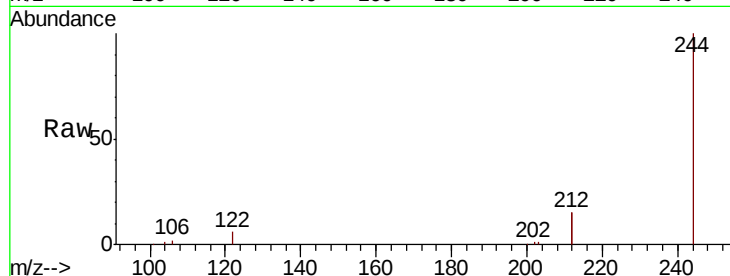
Tot Ion:244 Resp: 84708

Ion Ratio Lower Upper

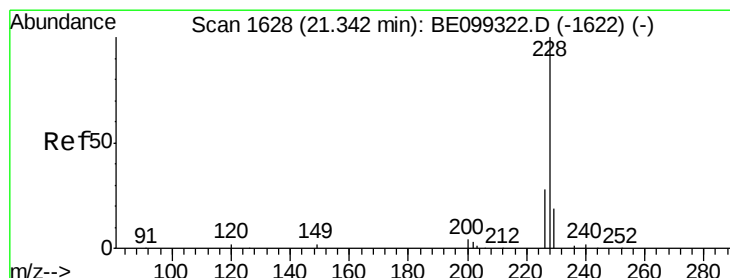
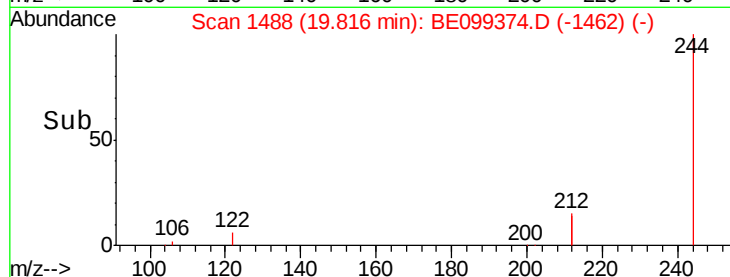
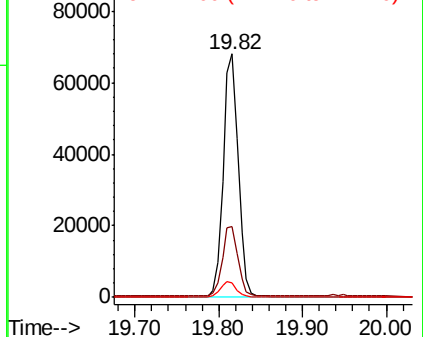
244 100

212 29.0 22.6 33.8

122 5.7 4.6 7.0



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: 1.826 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

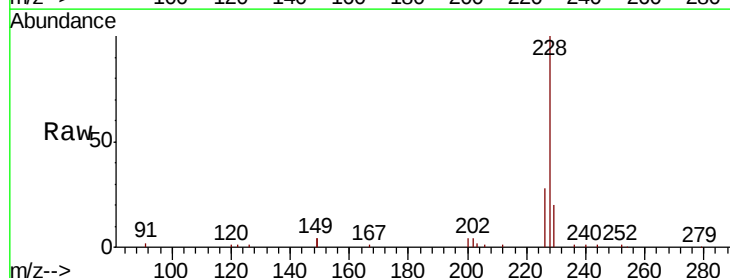
Tgt Ion:228 Resp: 82699

Ion Ratio Lower Upper

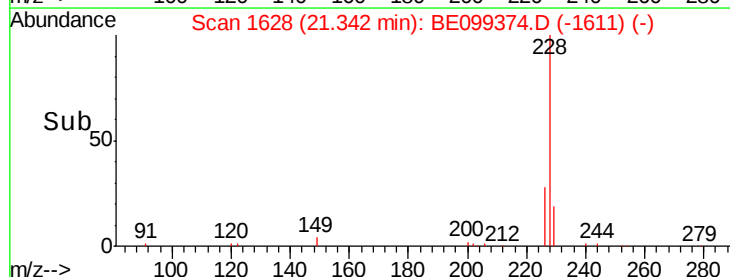
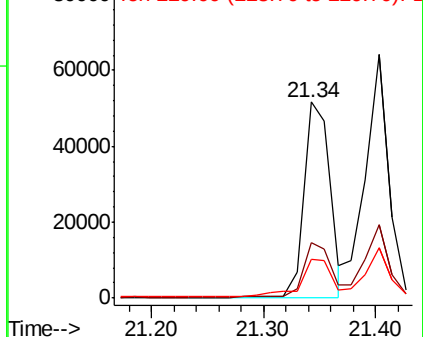
228 100

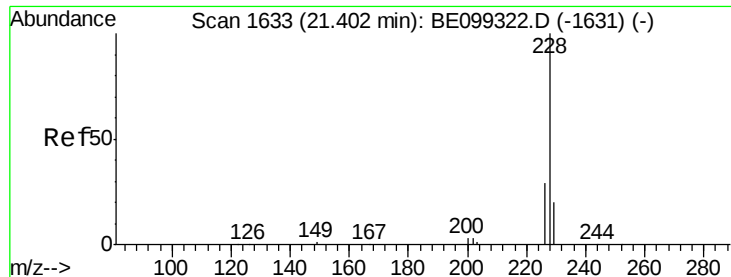
226 28.1 22.0 33.0

229 20.1 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





#31

Chrysene

Concen: 1.917 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

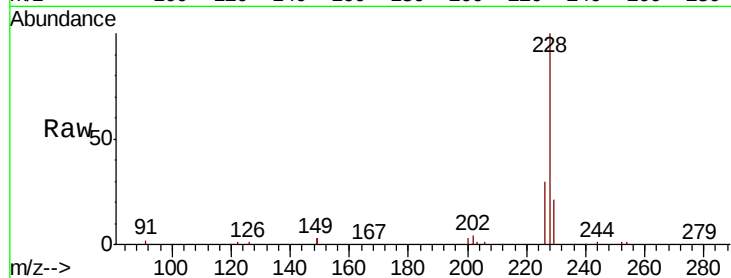
Tot Ion:228 Resp: 92393

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

229 20.7 16.2 24.2

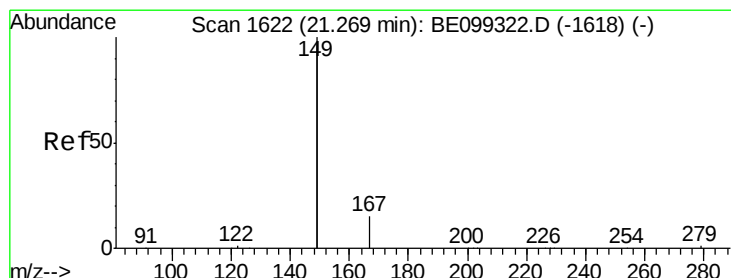
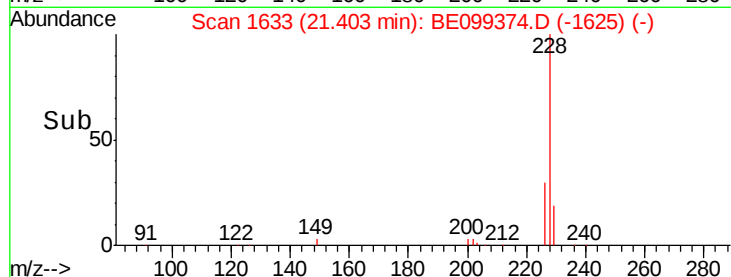
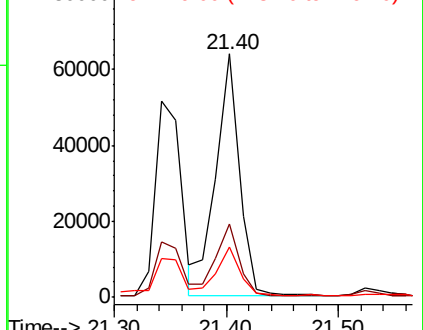


Abundance

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: 2.428 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

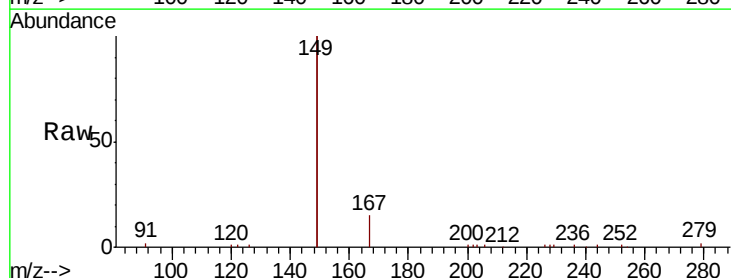
Tgt Ion:149 Resp: 100059

Ion Ratio Lower Upper

149 100

167 7.1 6.0 9.0

279 1.3 1.1 1.7

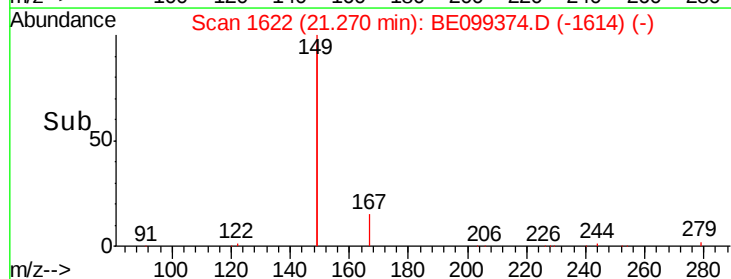
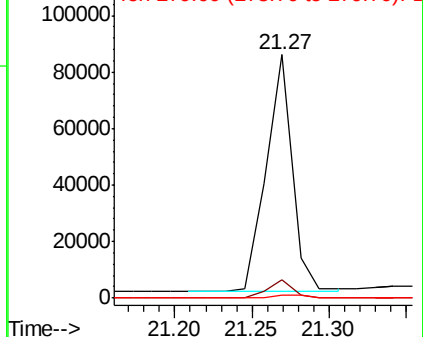


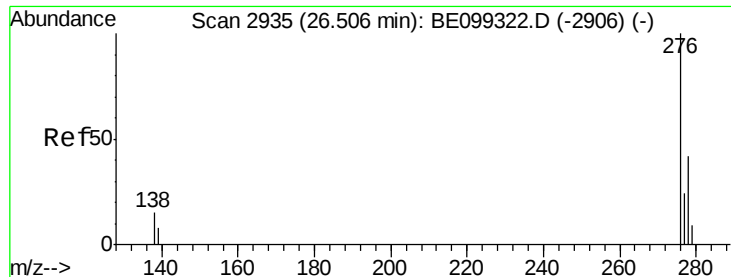
Abundance

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: 1.577 ng

RT: 26.51 min Scan# 2935

Delta R.T. 0.01 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

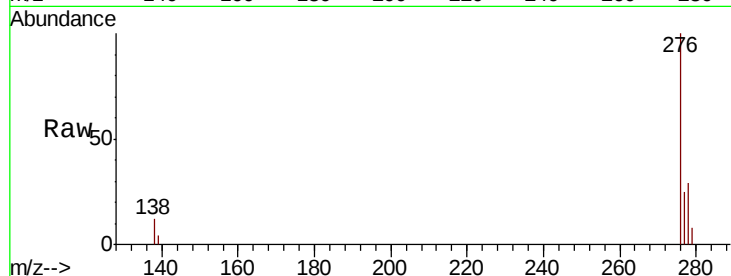
Tot Ion:276 Resp: 75050

Ion Ratio Lower Upper

276 100

138 12.6 12.7 19.1#

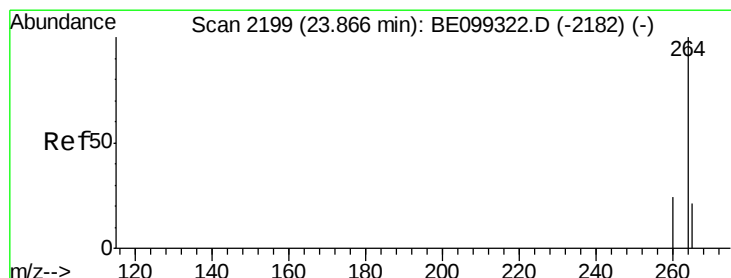
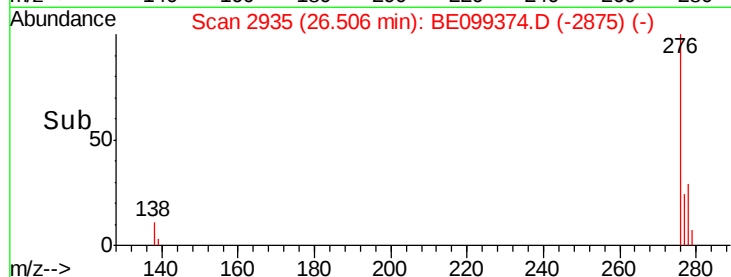
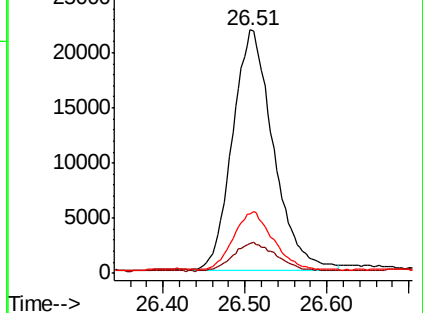
277 23.5 19.6 29.4



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: 23.87 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

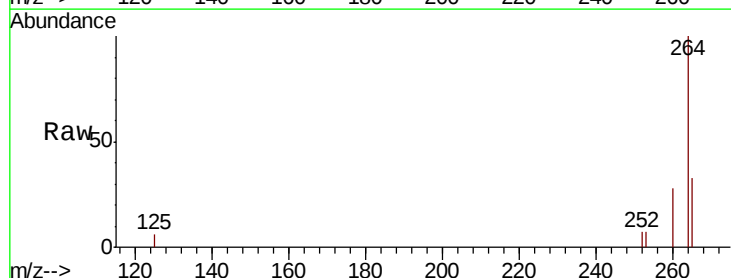
Tgt Ion:264 Resp: 16919

Ion Ratio Lower Upper

264 100

260 27.5 20.1 30.1

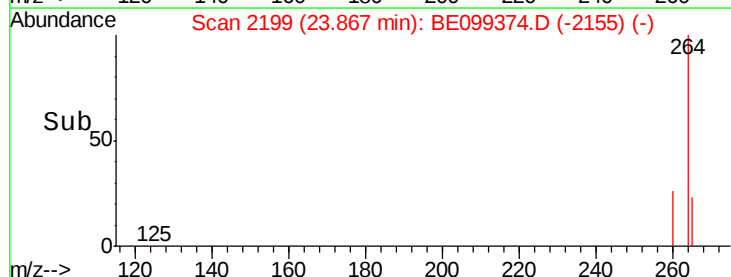
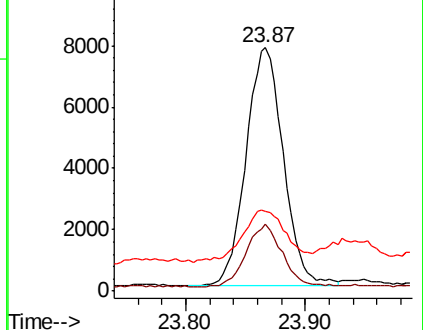
265 33.0 19.9 29.9#

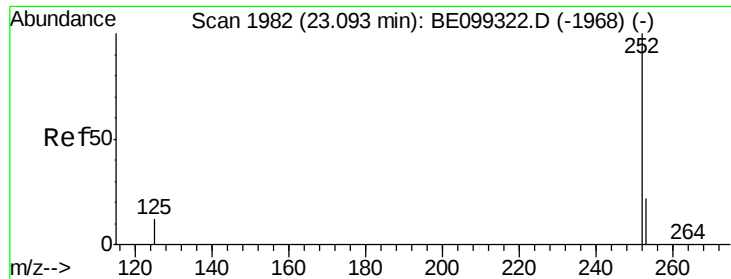


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.893 ng

RT: 23.09 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

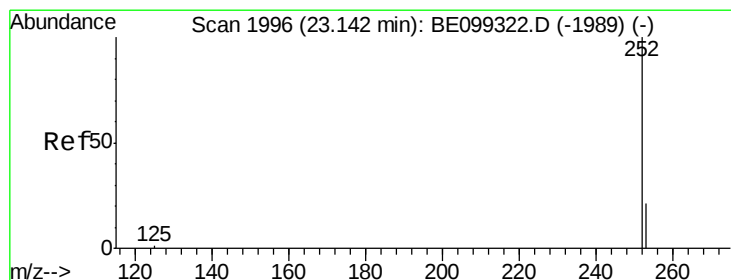
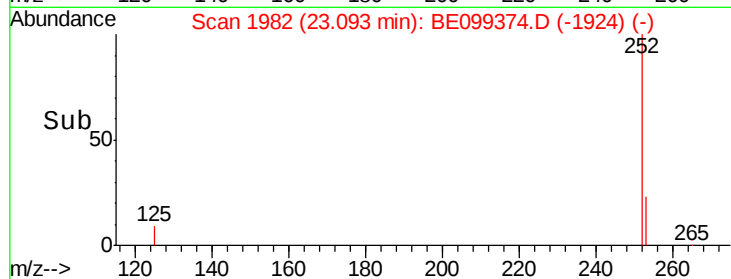
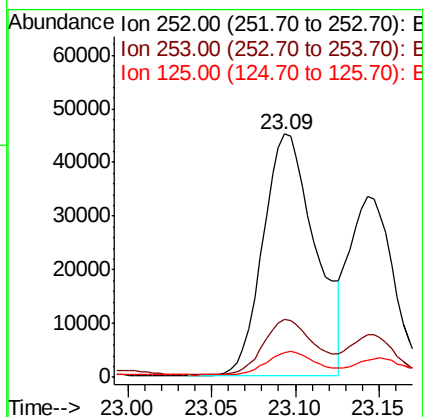
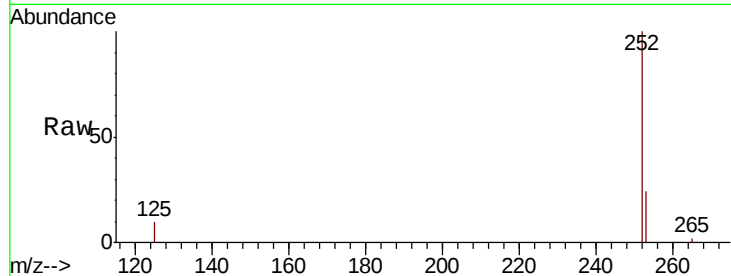
Tot Ion:252 Resp: 98036

Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

125 10.2 5.8 8.6#



#36

Benzo(k)fluoranthene

Concen: 1.183 ng

RT: 23.14 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

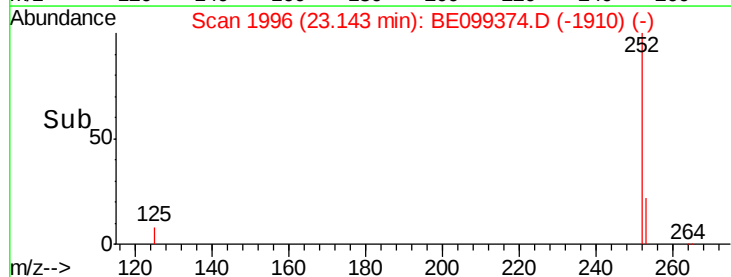
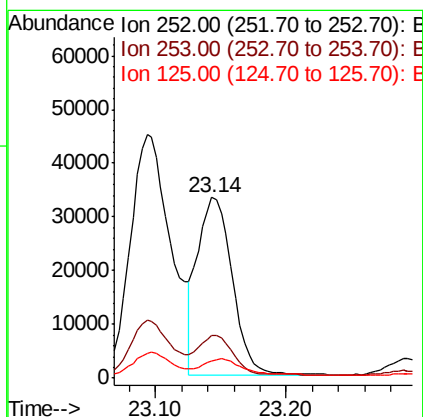
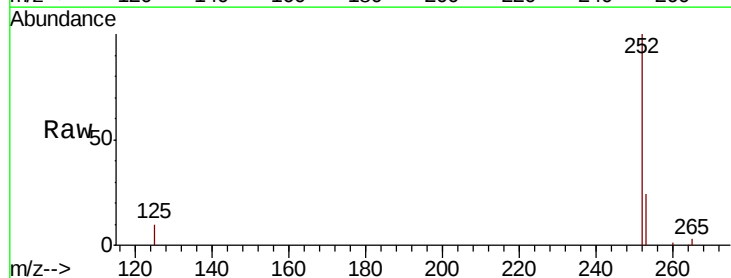
Tgt Ion:252 Resp: 61093

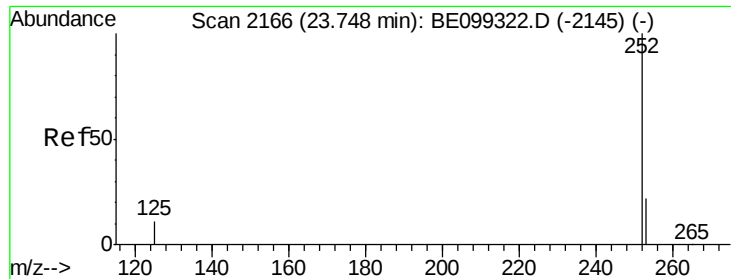
Ion Ratio Lower Upper

252 100

253 23.6 18.4 27.6

125 9.7 5.4 8.0#





#37

Benzo(a)pyrene

Concen: 1.653 ng

RT: 23.75 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

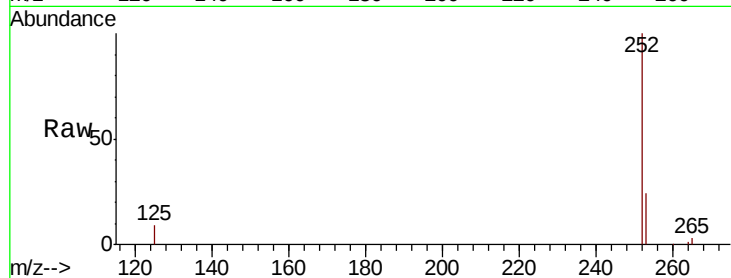
Tot Ion:252 Resp: 76716

Ion Ratio Lower Upper

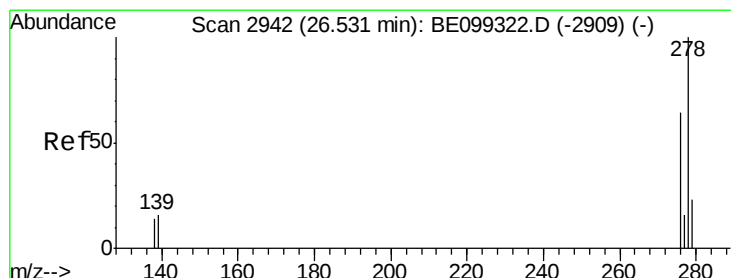
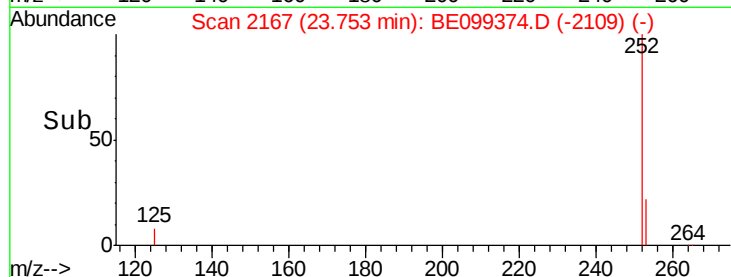
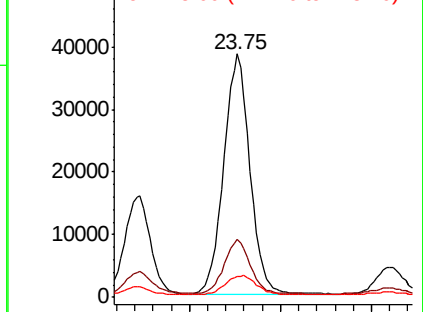
252 100

253 23.6 17.6 26.4

125 8.8 6.5 9.7



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



#38

Dibenzo(a,h)anthracene

Concen: 0.923 ng

RT: 26.53 min Scan# 2943

Delta R.T. 0.01 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

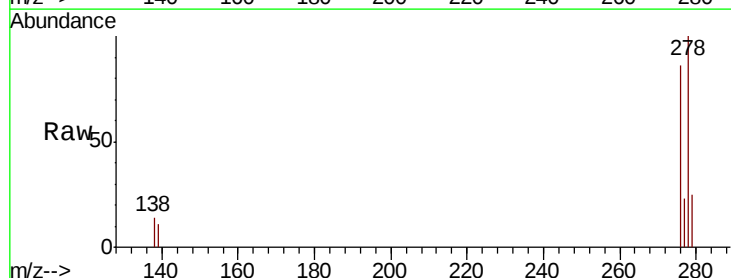
Tgt Ion:278 Resp: 43741

Ion Ratio Lower Upper

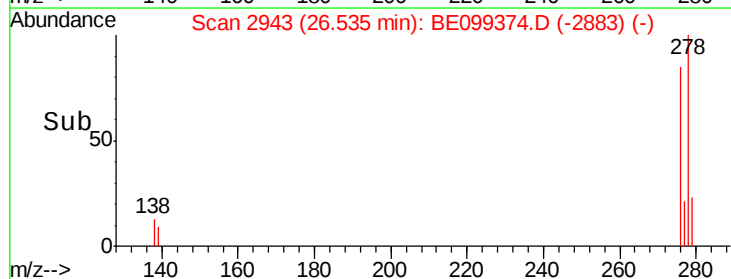
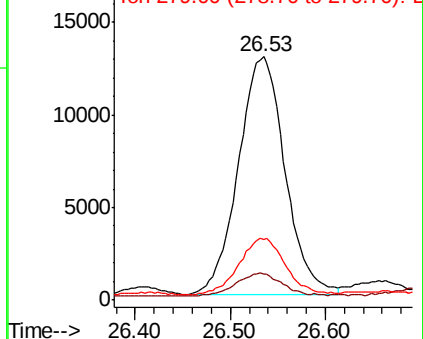
278 100

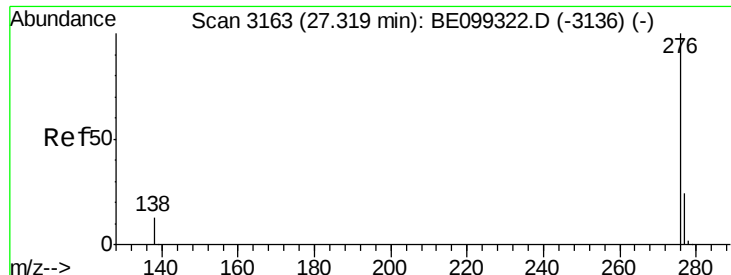
139 10.9 8.5 12.7

279 24.8 19.8 29.8



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(a,h,i)perylene

Concen: 1.405 ng

RT: 27.32 min Scan# 3164

Delta R.T. 0.02 min

Lab File: BE099374.D

Acq: 26 Apr 2019 12:41

Instrument :

BNA_E

ClientSampleId :

PST-072-B156-042219

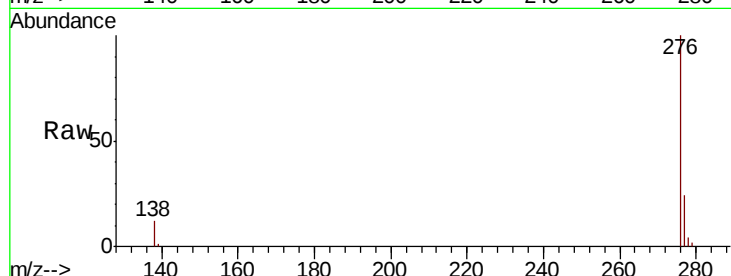
Tot Ion:276 Resp: 67563

Ion Ratio Lower Upper

276 100

277 24.5 20.0 30.0

138 12.0 11.1 16.7



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

