

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099376.D
 Acq On : 26 Apr 2019 13:53
 Operator : JU/SJ
 Sample : K2533-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B010-042219

Quant Time: Apr 27 05:05:35 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	2269	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	9739	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6530	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	17251	0.40	ng	0.00
27) Chrysene-d12	21.37	240	19087	0.40	ng	0.00
34) Perylene-d12	23.86	264	21425	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	15775	2.85	ng	0.00
5) Phenol-d6	6.98	99	22326	2.82	ng	0.00
8) Nitrobenzene-d5	8.97	82	20029	2.65	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	9216	0.54	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	7900	3.64	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	56621	2.21	ng	0.00
25) Fluoranthene-d10	19.22	212	103302	0.50	ng	0.00
29) Terphenyl-d14	19.82	244	94137	2.51	ng	0.00

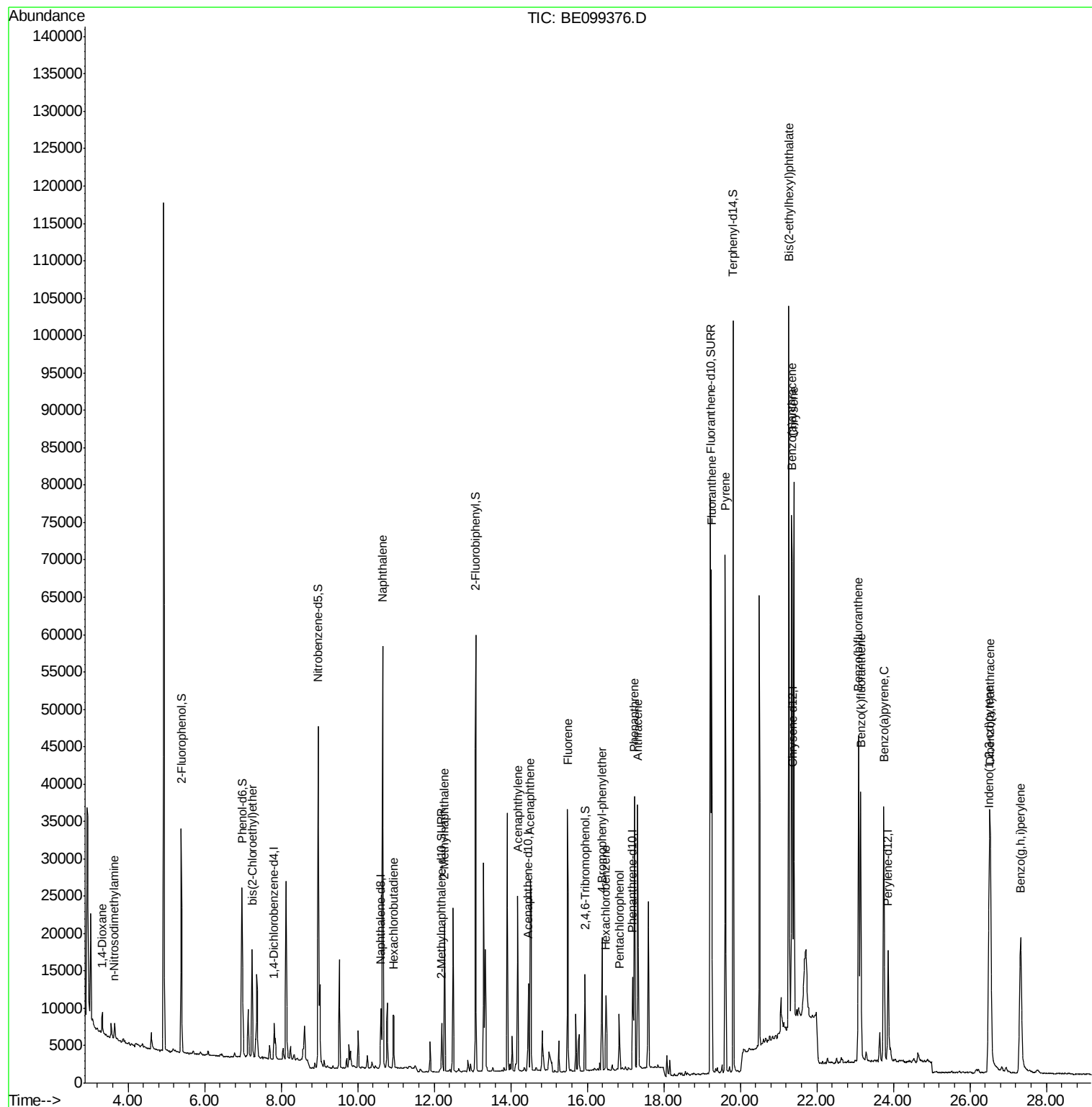
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	2158	0.679	ng	# 66
3) n-Nitrosodimethylamine	3.64	42	1542	0.902	ng	# 96
6) bis(2-Chloroethyl)ether	7.24	93	6124	0.830	ng	96
9) Naphthalene	10.65	128	87386	0.822	ng	99
10) Hexachlorobutadiene	10.93	225	5757	0.853	ng	99
12) 2-Methylnaphthalene	12.27	142	14896	0.824	ng	94
16) Acenaphthylene	14.18	152	27377	0.928	ng	99
17) Acenaphthene	14.51	154	15374	0.845	ng	96
18) Fluorene	15.49	166	21494	0.823	ng	100
20) 4-Bromophenyl-phenylether	16.38	248	8571	0.897	ng	# 96
21) Hexachlorobenzene	16.49	284	8011	0.872	ng	99
22) Pentachlorophenol	16.84	266	3954	1.286	ng	95
23) Phenanthrene	17.23	178	42012	0.920	ng	99
24) Anthracene	17.32	178	35689	0.878	ng	99
26) Fluoranthene	19.25	202	61840	1.011	ng	98
28) Pyrene	19.61	202	64187	1.141	ng	99
30) Benzo(a)anthracene	21.34	228	66671	1.188	ng	99
31) Chrysene	21.40	228	60495	1.013	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	98919	1.937	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	64241	1.089	ng	97
35) Benzo(b)fluoranthene	23.09	252	60696	0.925	ng	95
36) Benzo(k)fluoranthene	23.14	252	55959	0.856	ng	98
37) Benzo(a)pyrene	23.75	252	55836	0.950	ng	98
38) Dibenzo(a,h)anthracene	26.53	278	48987	0.816	ng	99
39) Benzo(g,h,i)perylene	27.32	276	53314	0.875	ng	98

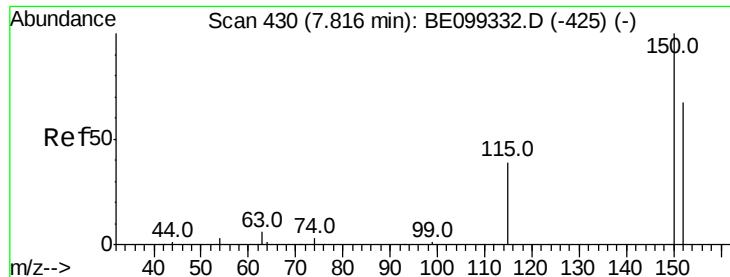
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

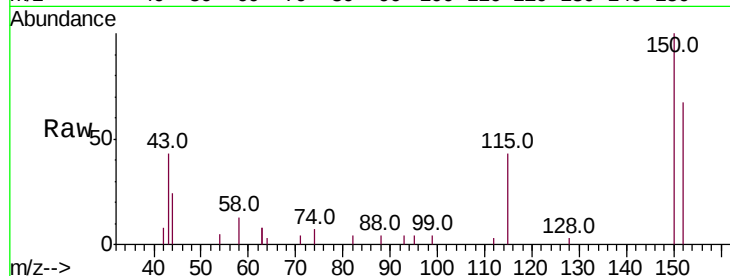
Tot Ion:152 Resp: 2269

Ion Ratio Lower Upper

152 100

150 149.5 119.5 179.3

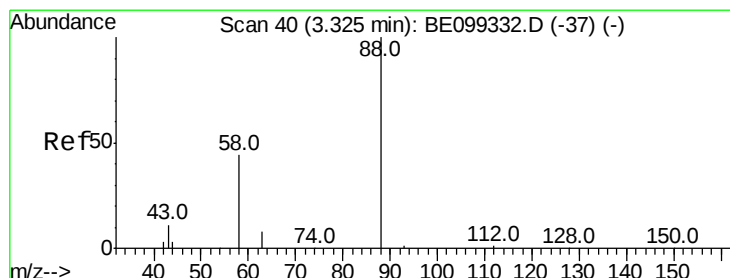
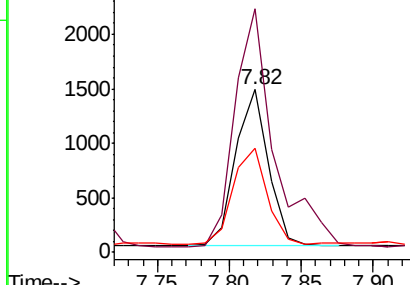
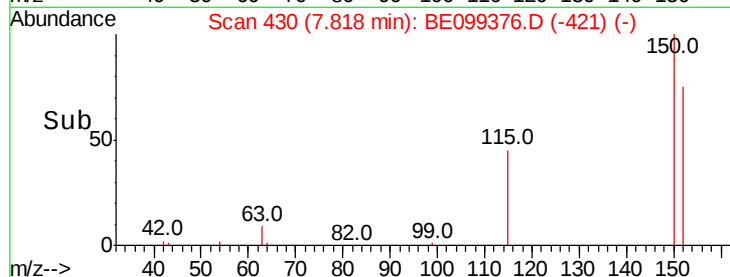
115 63.7 47.5 71.3



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: 0.679 ng

RT: 3.33 min Scan# 40

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

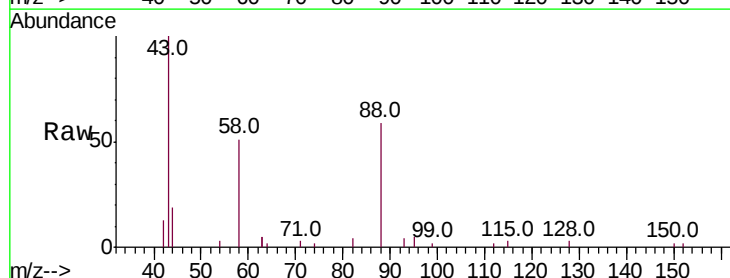
Tgt Ion: 88 Resp: 2158

Ion Ratio Lower Upper

88 100

58 64.2 49.1 73.7

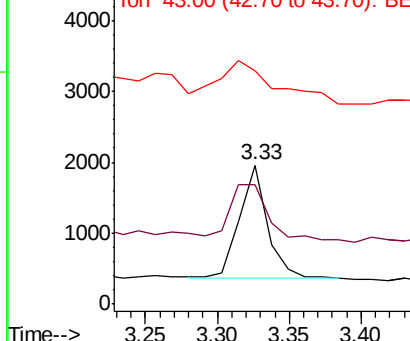
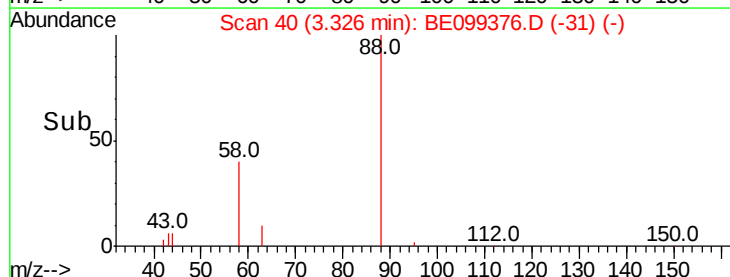
43 78.5 17.9 26.9#

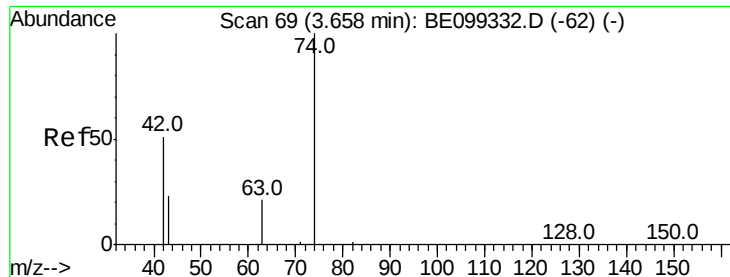


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.902 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.02 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

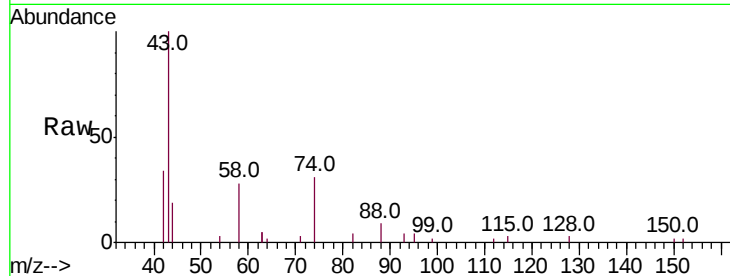
Tot Ion: 42 Resp: 1542

Ion Ratio Lower Upper

42 100

74 187.3 145.8 218.8

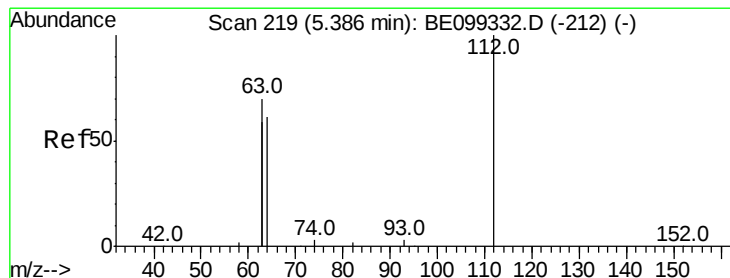
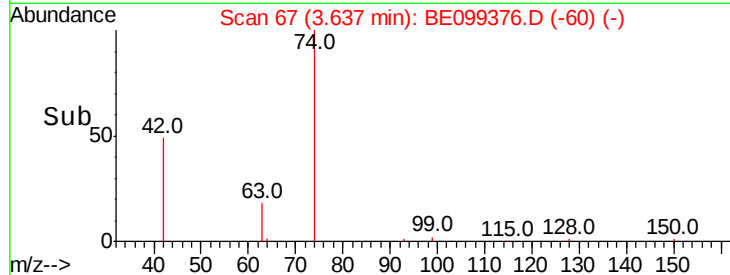
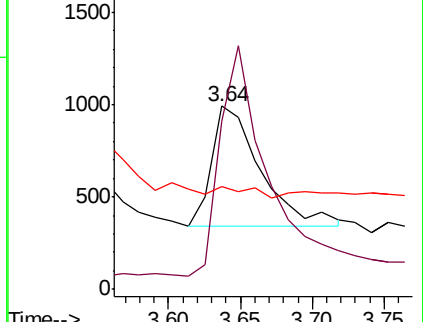
44 6.8 9.0 13.4#



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: 2.845 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

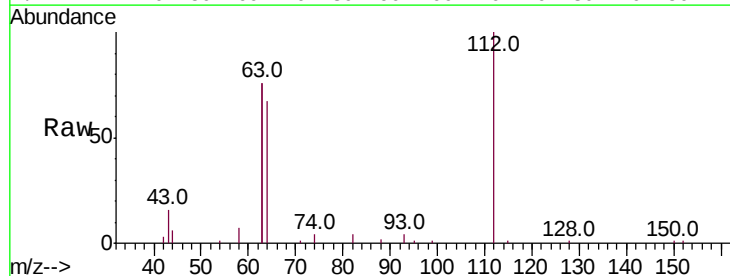
Tgt Ion:112 Resp: 15775

Ion Ratio Lower Upper

112 100

64 56.3 44.9 67.3

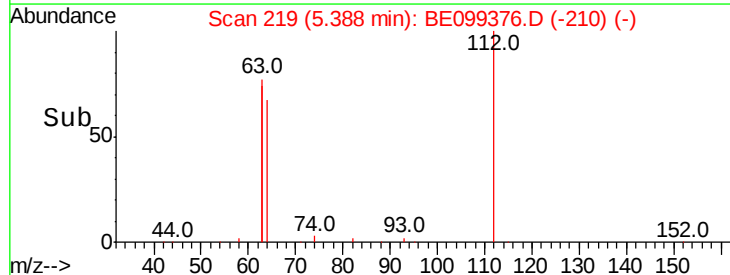
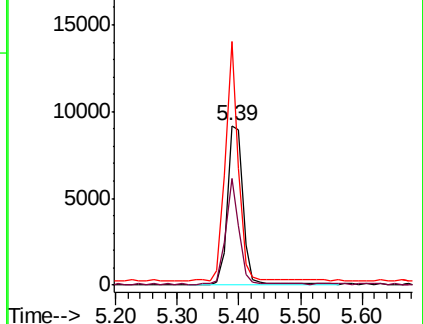
63 124.0 97.4 146.0

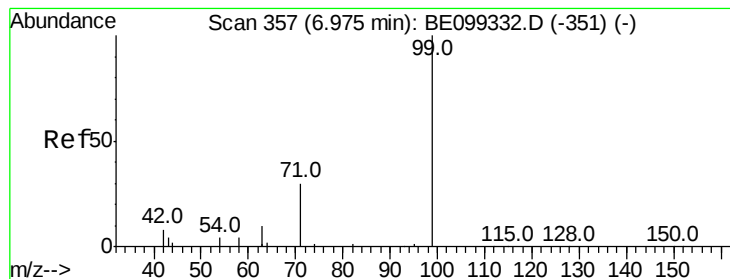


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.822 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

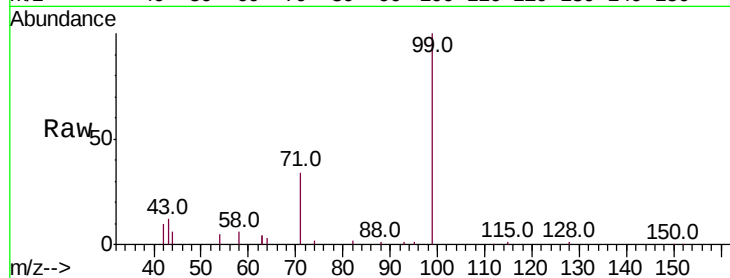
Tot Ion: 99 Resp: 22326

Ion Ratio Lower Upper

99 100

42 15.5 11.7 17.5

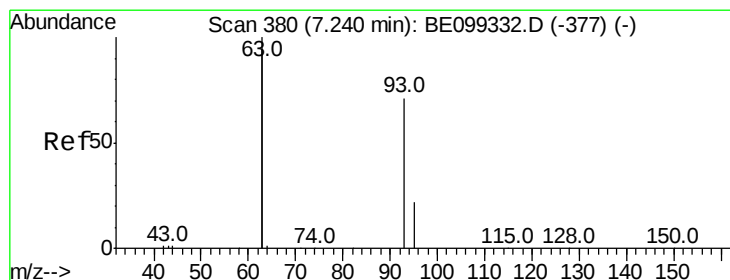
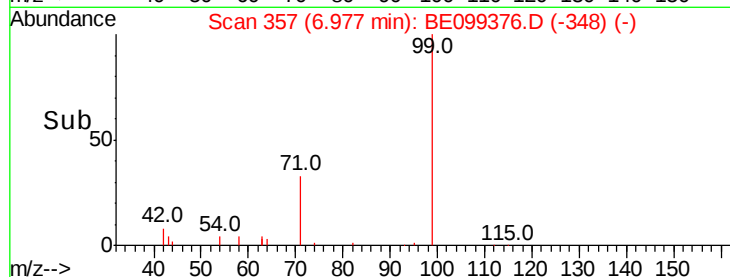
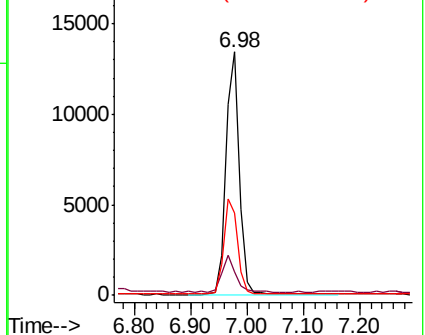
71 40.0 29.6 44.4



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: 0.830 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

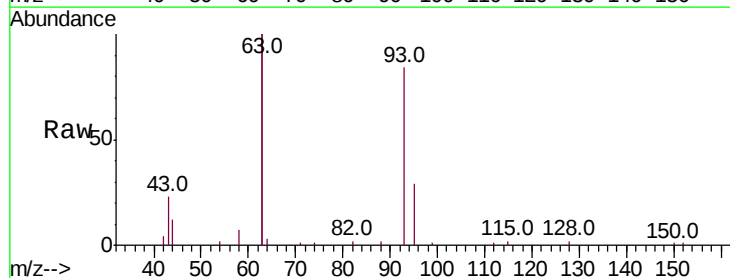
Tgt Ion: 93 Resp: 6124

Ion Ratio Lower Upper

93 100

63 279.8 216.6 324.8

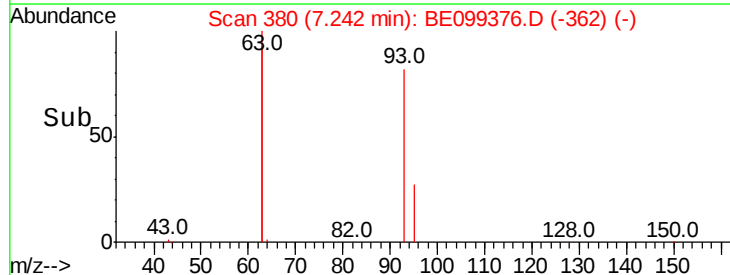
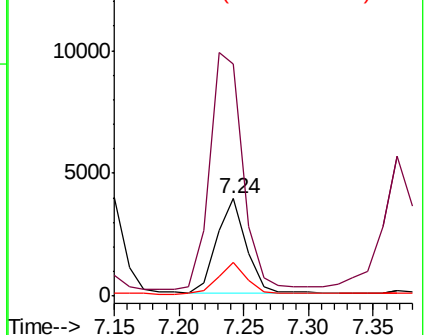
95 32.4 25.8 38.6

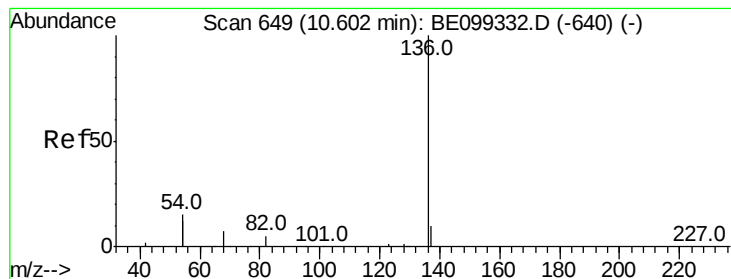


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

Tot Ion:136 Resp: 9739

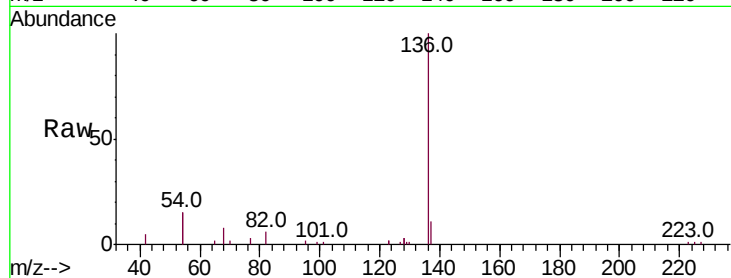
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 30.5 23.8 35.8

68 7.9 6.4 9.6

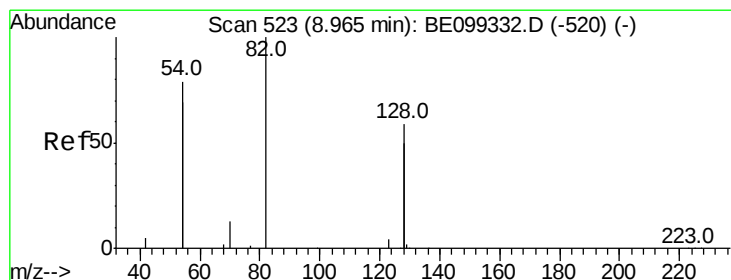
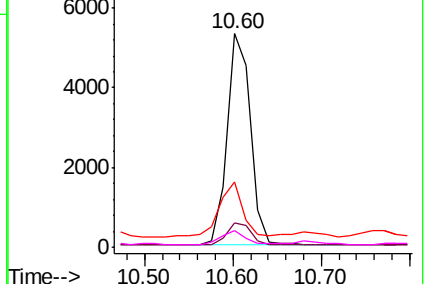
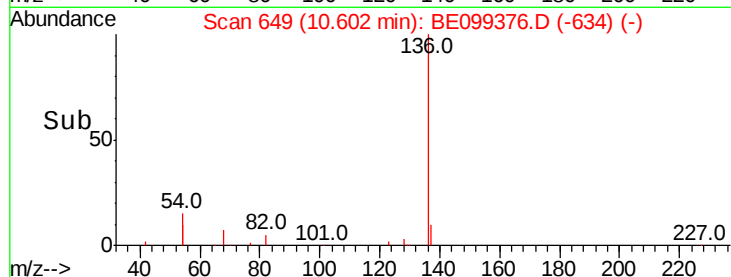


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.649 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

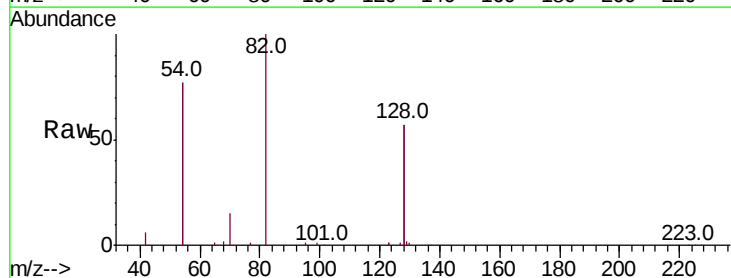
Tgt Ion: 82 Resp: 20029

Ion Ratio Lower Upper

82 100

128 114.2 91.7 137.5

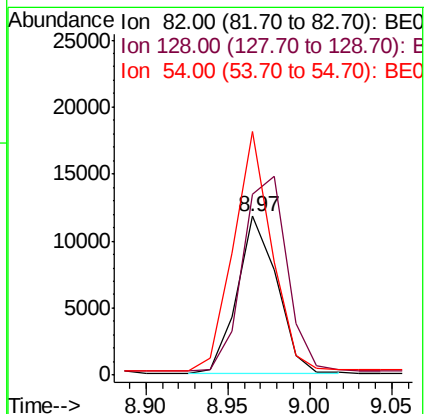
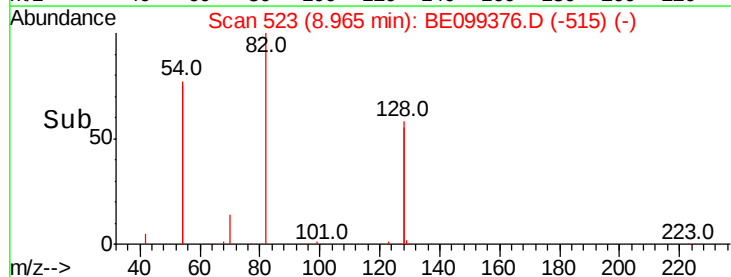
54 153.2 122.8 184.2

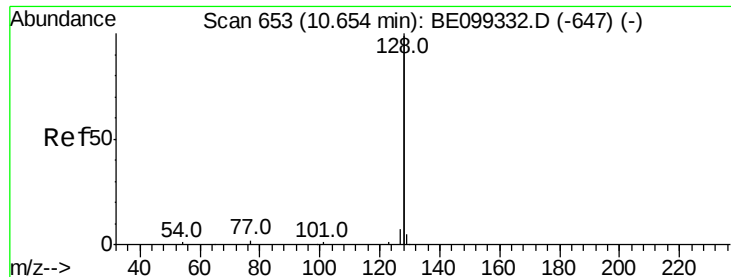


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.822 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

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PST-028-B010-042219

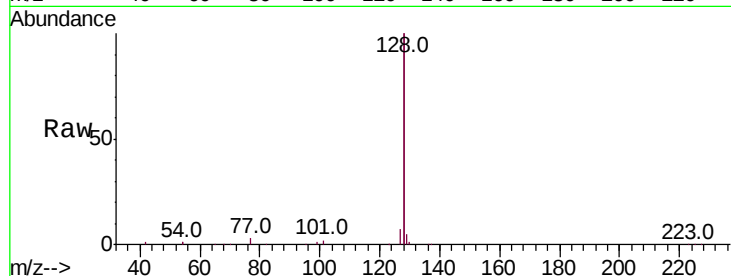
Tot Ion:128 Resp: 87386

Ion Ratio Lower Upper

128 100

129 2.7 2.3 3.5

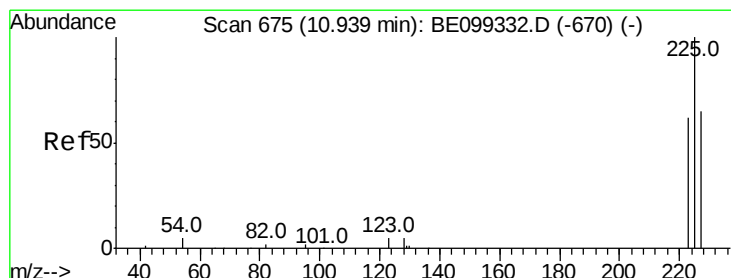
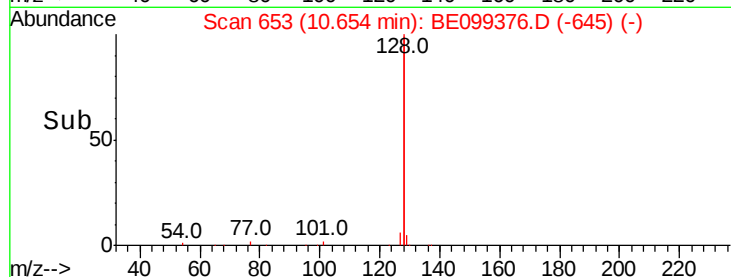
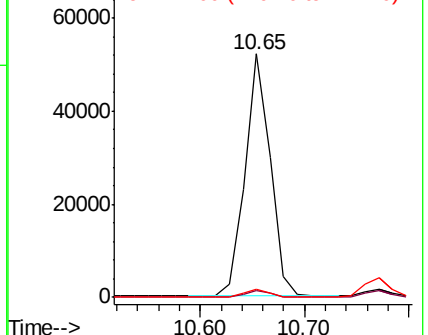
127 3.3 2.8 4.2



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: 0.853 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

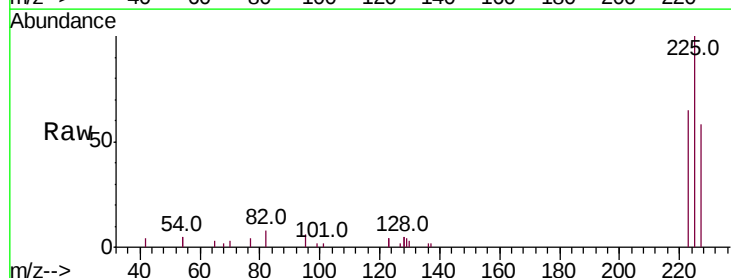
Tgt Ion:225 Resp: 5757

Ion Ratio Lower Upper

225 100

223 62.2 50.3 75.5

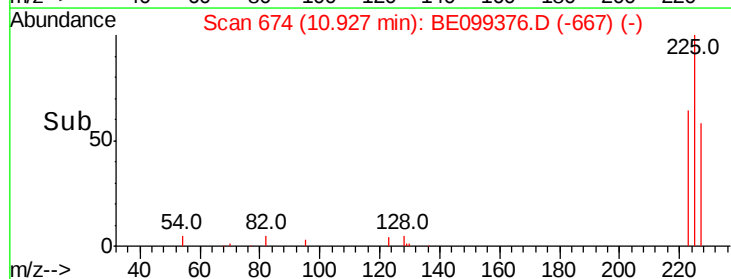
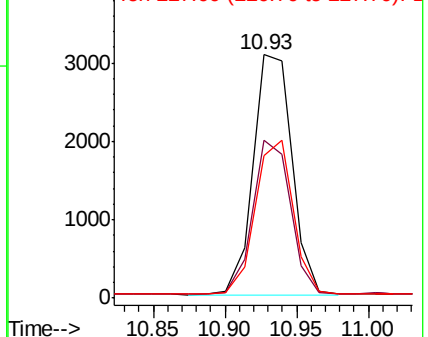
227 62.6 49.4 74.0

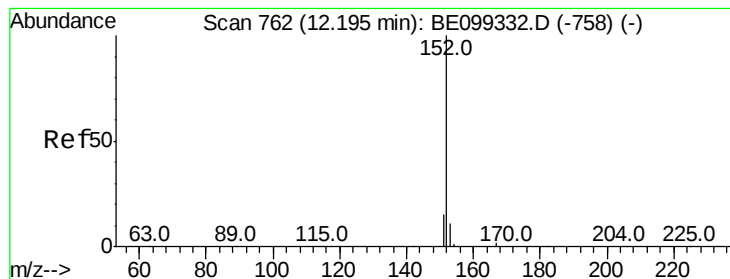


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.536 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

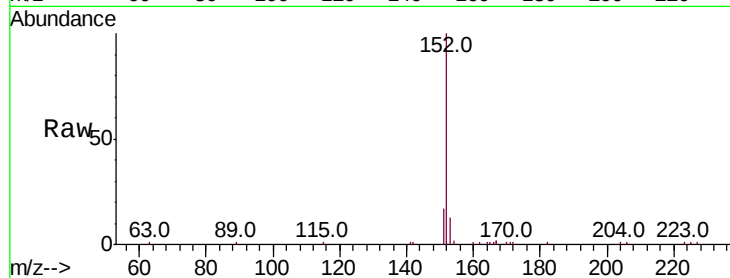
PST-028-B010-042219

Tot Ion:152 Resp: 9216

Ion Ratio Lower Upper

152 100

151 19.9 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.20

6000

5000

4000

3000

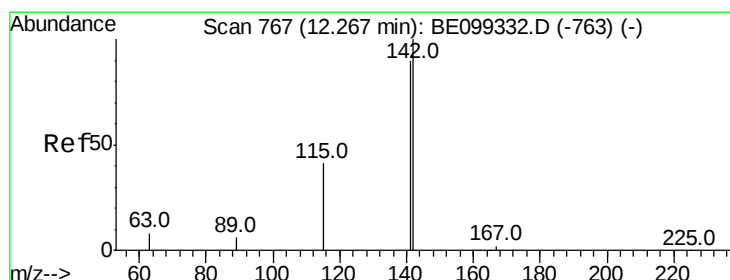
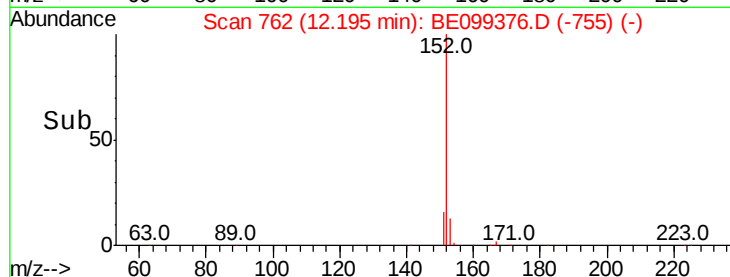
2000

1000

0

Time-->

12.10 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.824 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

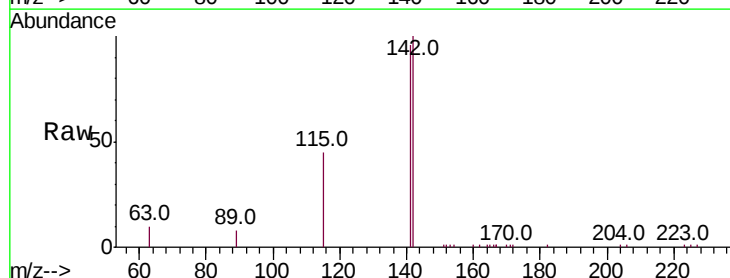
Tgt Ion:142 Resp: 14896

Ion Ratio Lower Upper

142 100

141 95.8 72.0 108.0

115 44.9 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.27

10000

8000

6000

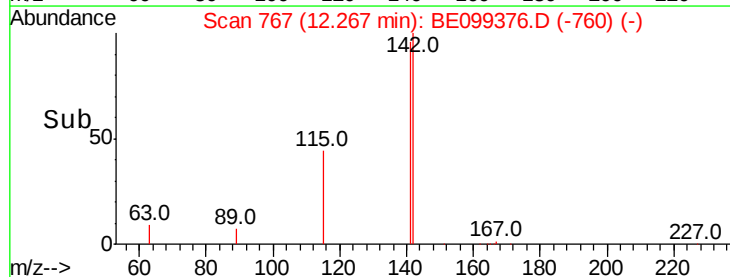
4000

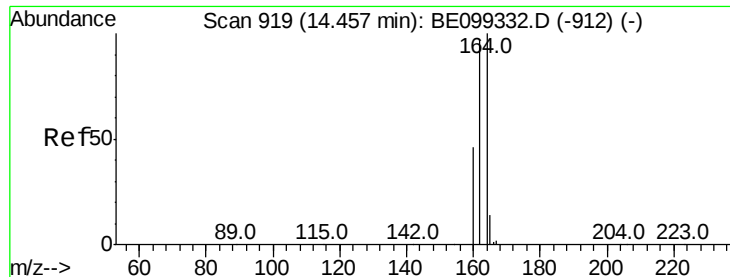
2000

0

Time-->

12.20 12.30

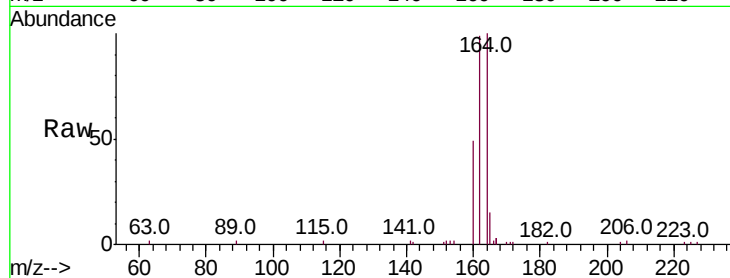




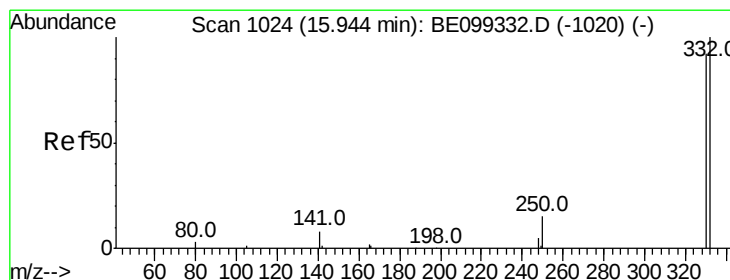
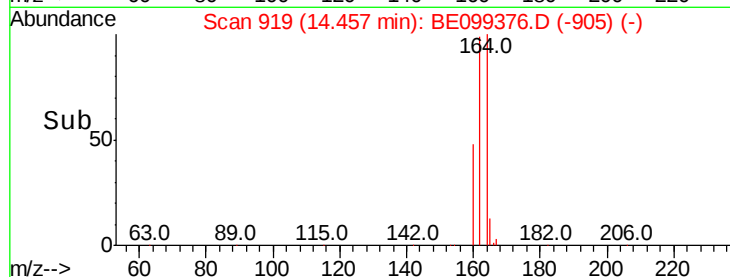
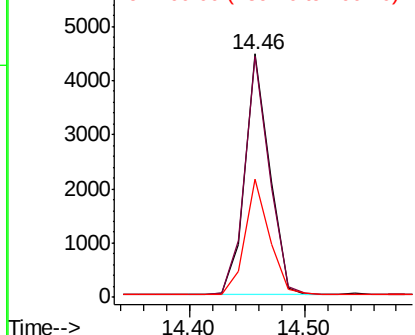
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE099376.D
 Acq: 26 Apr 2019 13:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B010-042219

Tot Ion:164 Resp: 6530
 Ion Ratio Lower Upper
 164 100
 162 99.2 77.8 116.6
 160 48.5 37.1 55.7

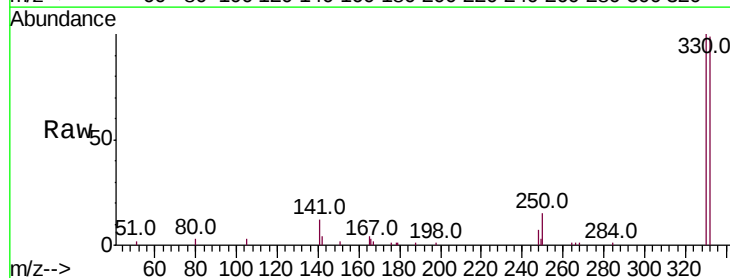


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

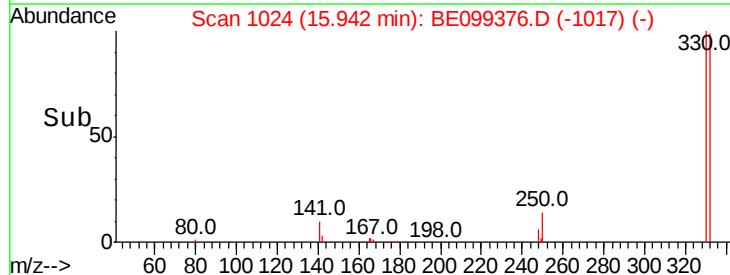
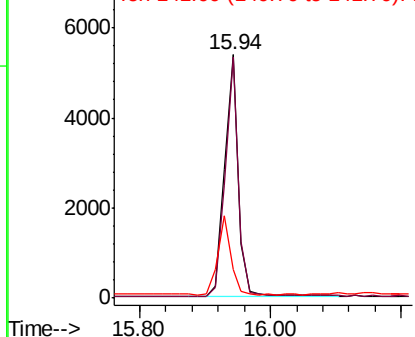


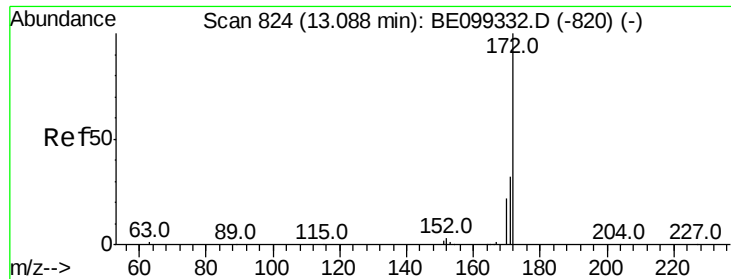
#14
 2,4,6-Tribromophenol
 Concen: 3.642 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099376.D
 Acq: 26 Apr 2019 13:53

Tgt Ion:330 Resp: 7900
 Ion Ratio Lower Upper
 330 100
 332 95.3 82.5 123.7
 141 31.5 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

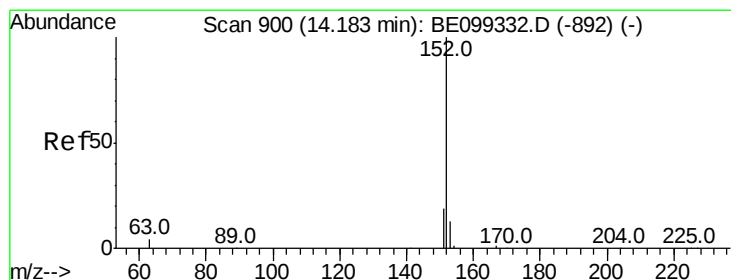
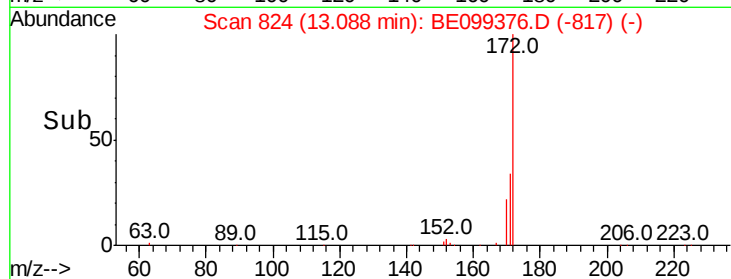
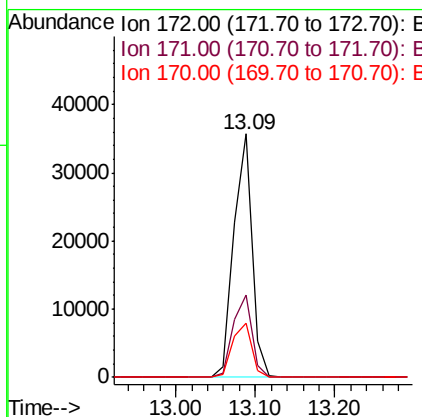
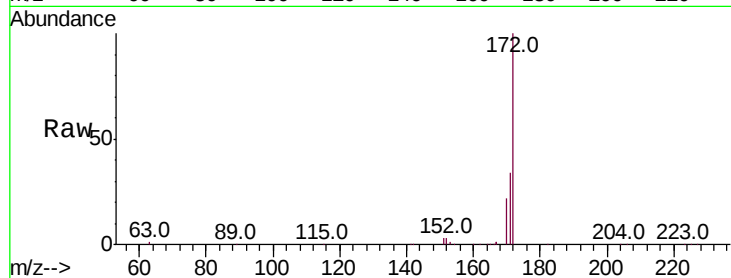




#15
 2-Fluorobiphenyl
 Concen: 2.206 ng
 RT: 13.09 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BE099376.D
 Acq: 26 Apr 2019 13:53

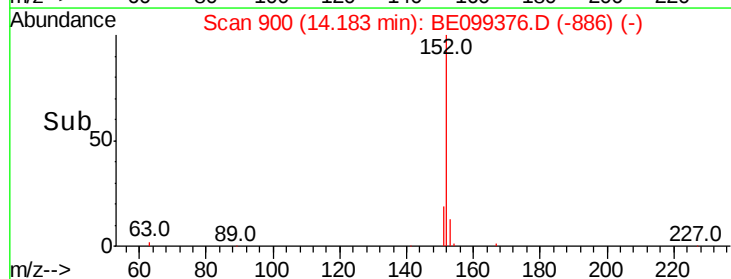
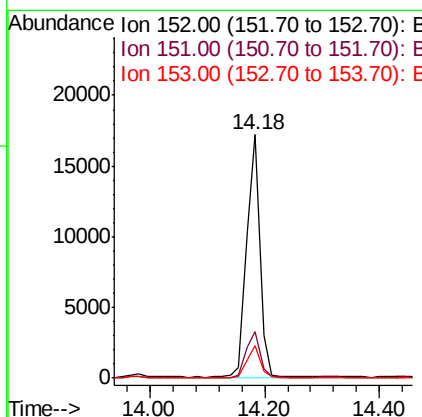
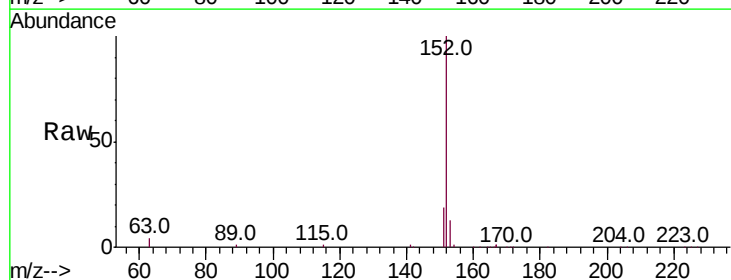
Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B010-042219

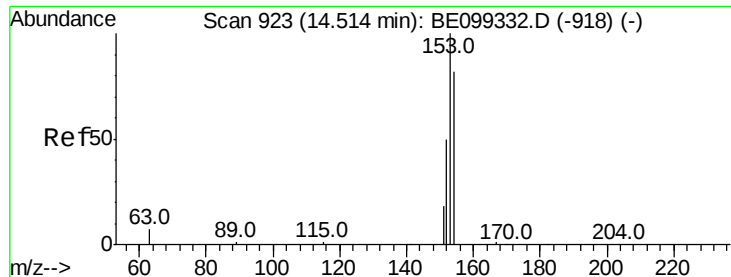
Tot Ion:172 Resp: 56621
 Ion Ratio Lower Upper
 172 100
 171 33.7 26.2 39.2
 170 22.4 18.1 27.1



#16
 Acenaphthylene
 Concen: 0.928 ng
 RT: 14.18 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: BE099376.D
 Acq: 26 Apr 2019 13:53

Tgt Ion:152 Resp: 27377
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.5 23.3
 153 13.1 10.2 15.4





#17

Acenaphthene

Concen: 0.845 ng

RT: 14.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

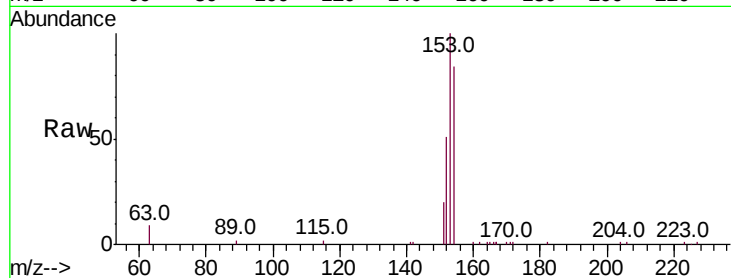
Tot Ion:154 Resp: 15374

Ion Ratio Lower Upper

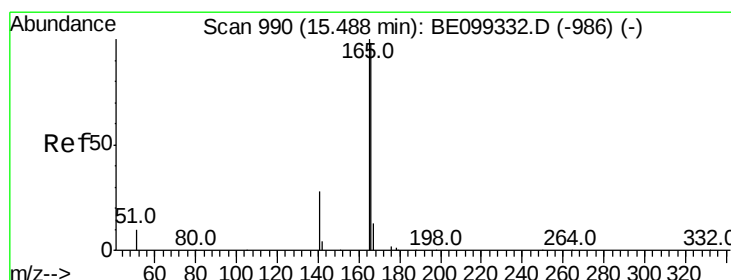
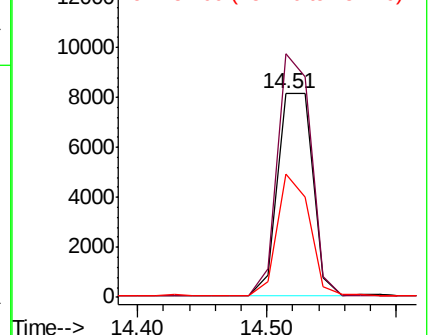
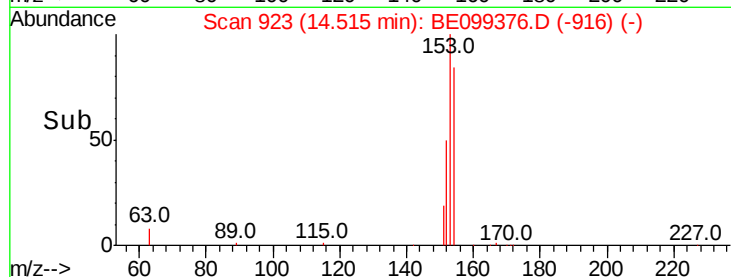
154 100

153 114.0 94.7 142.1

152 55.0 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: 0.823 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

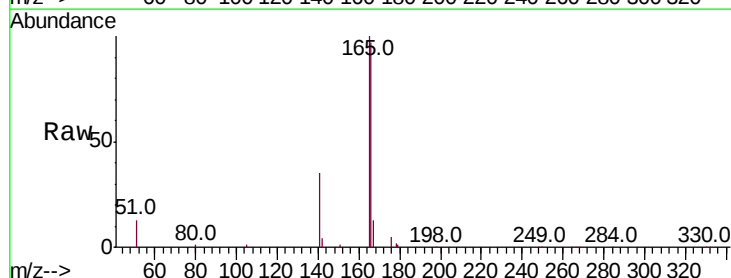
Tgt Ion:166 Resp: 21494

Ion Ratio Lower Upper

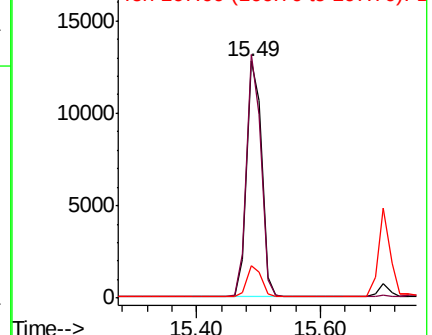
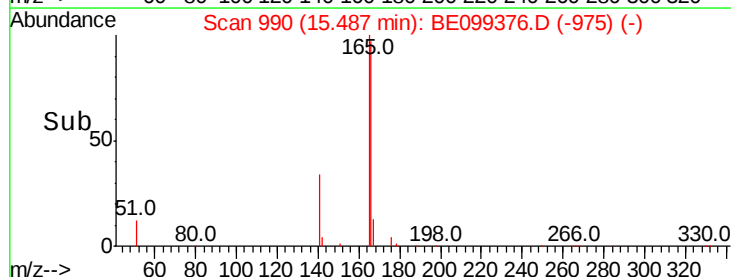
166 100

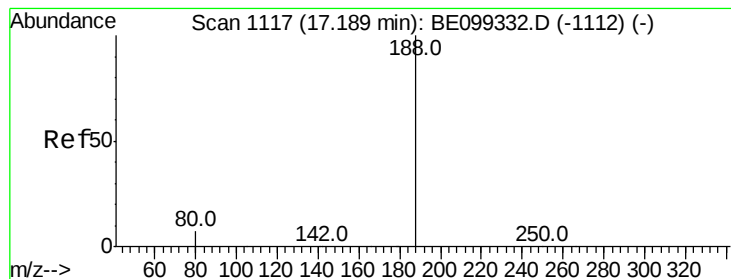
165 99.4 79.7 119.5

167 12.9 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: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

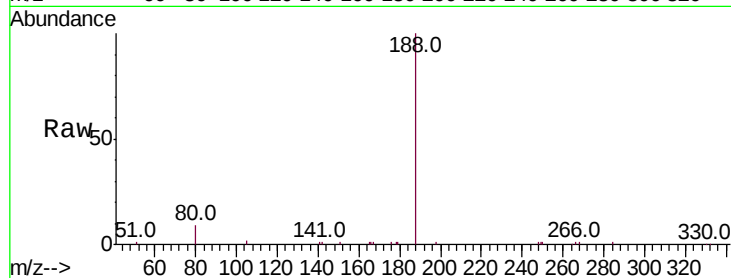
Tot Ion:188 Resp: 17251

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

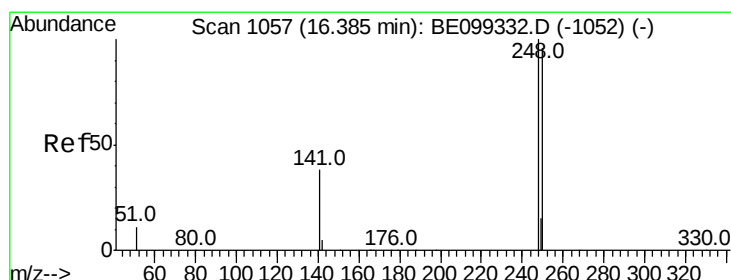
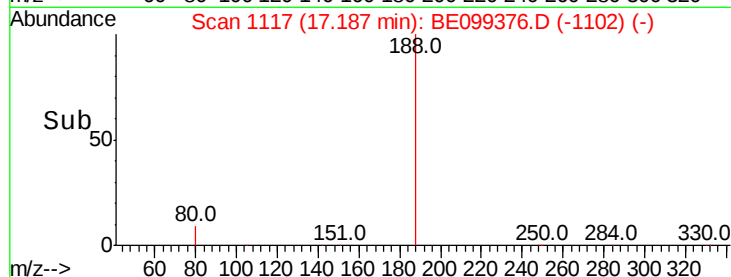
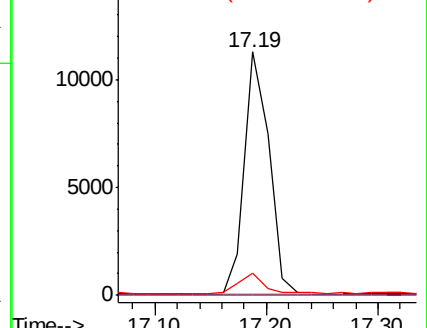
80 9.4 6.2 9.4#



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: 0.897 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

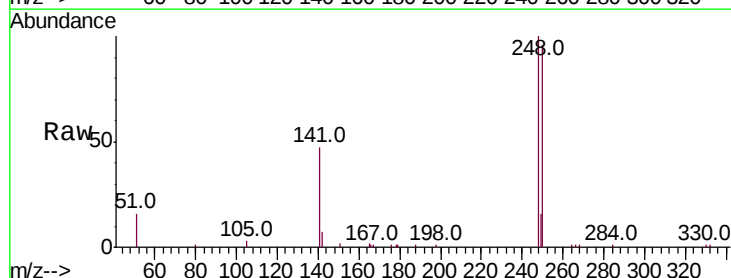
Tgt Ion:248 Resp: 8571

Ion Ratio Lower Upper

248 100

250 95.8 77.0 115.6

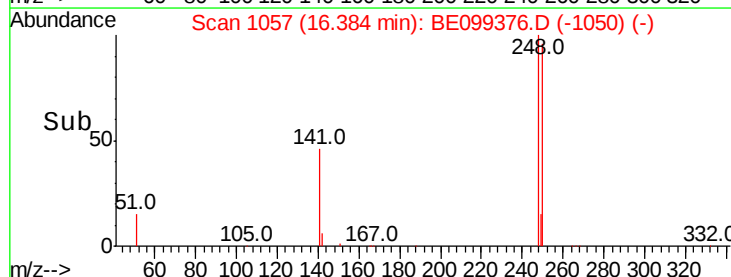
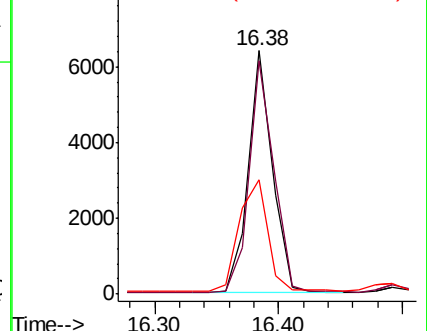
141 47.0 31.1 46.7#

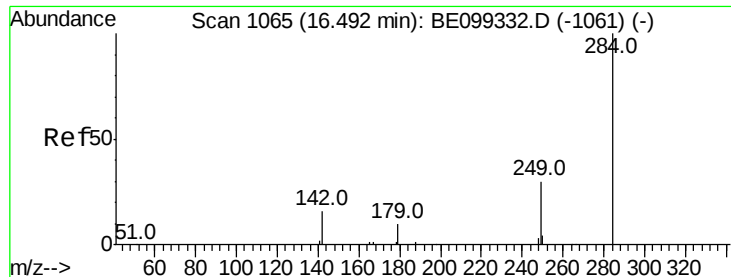


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.872 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

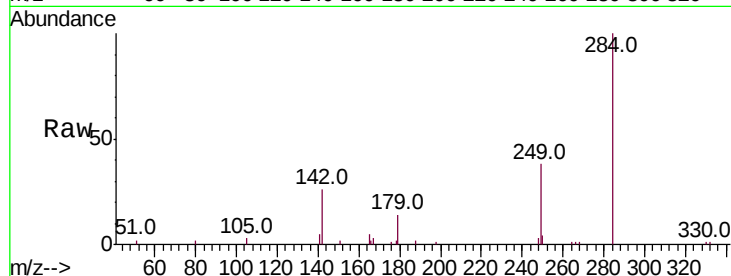
Tot Ion:284 Resp: 8011

Ion Ratio Lower Upper

284 100

142 26.7 21.8 32.6

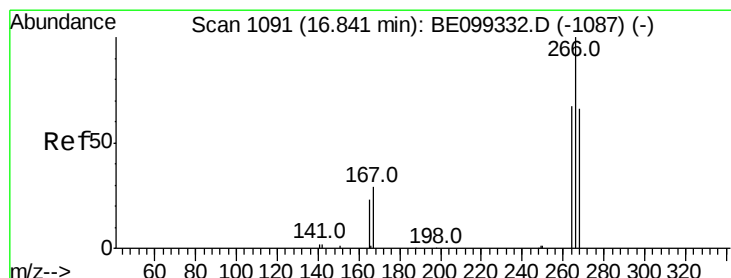
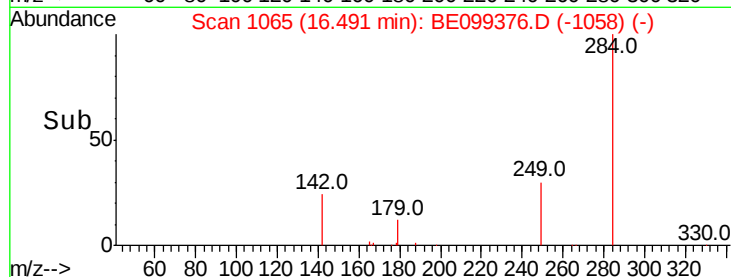
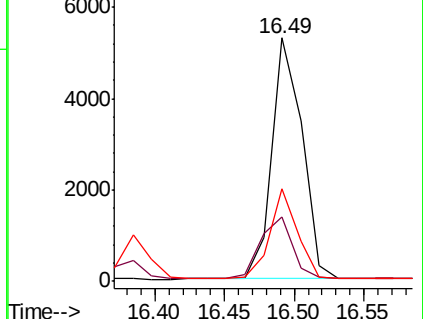
249 33.7 26.2 39.4



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: 1.286 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

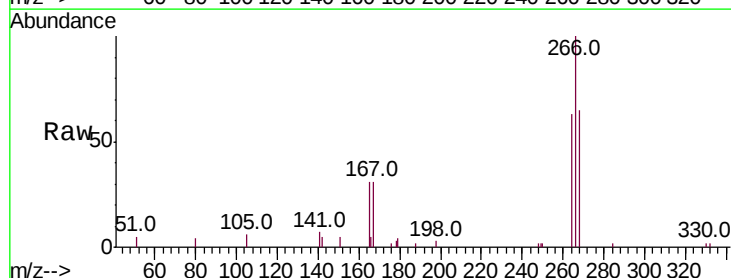
Tgt Ion:266 Resp: 3954

Ion Ratio Lower Upper

266 100

264 62.7 54.5 81.7

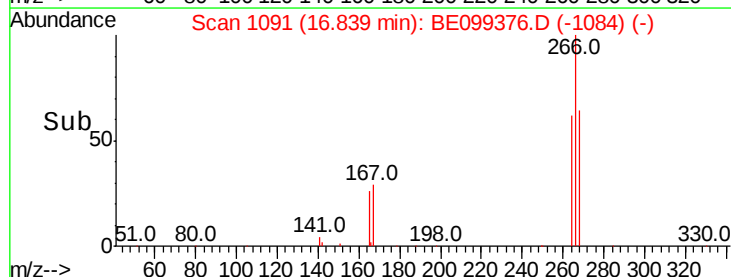
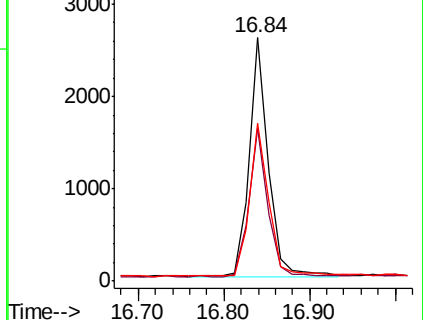
268 64.8 54.3 81.5

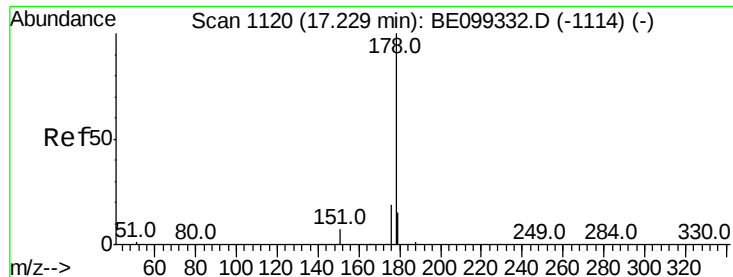


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.920 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

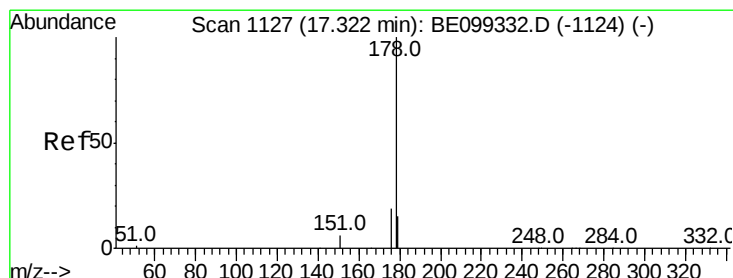
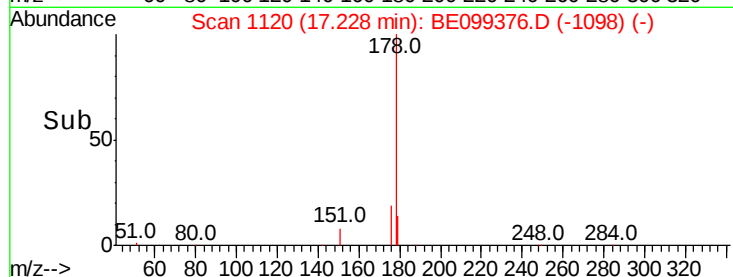
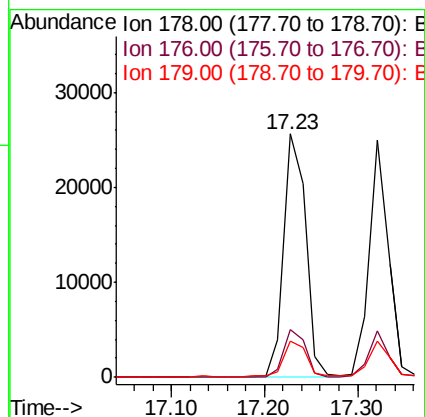
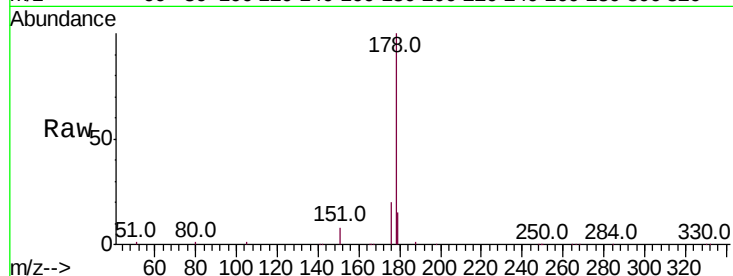
Tot Ion:178 Resp: 42012

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 14.8 12.4 18.6



#24

Anthracene

Concen: 0.878 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

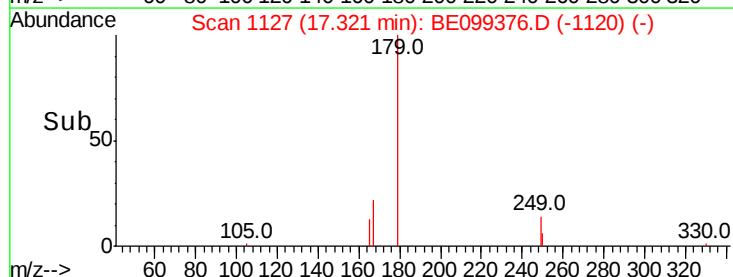
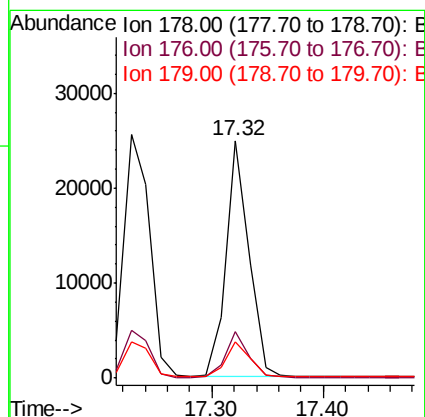
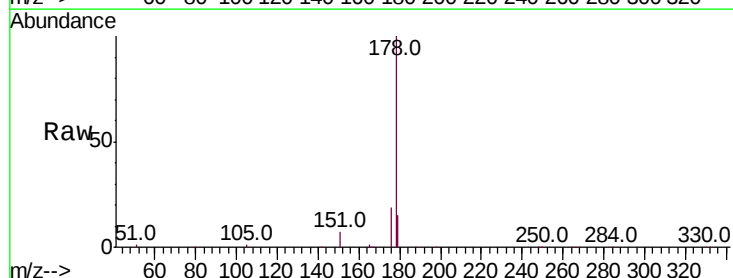
Tgt Ion:178 Resp: 35689

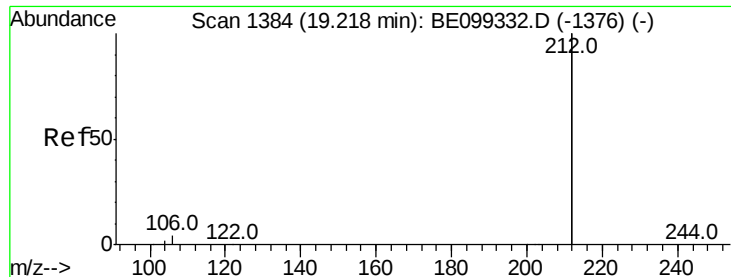
Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 16.0 11.9 17.9





#25

Fluoranthene-d10

Concen: 0.498 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

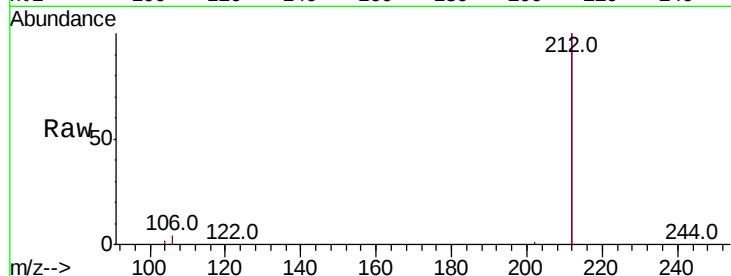
Tot Ion:212 Resp: 103302

Ion Ratio Lower Upper

212 100

106 2.0 1.8 2.6

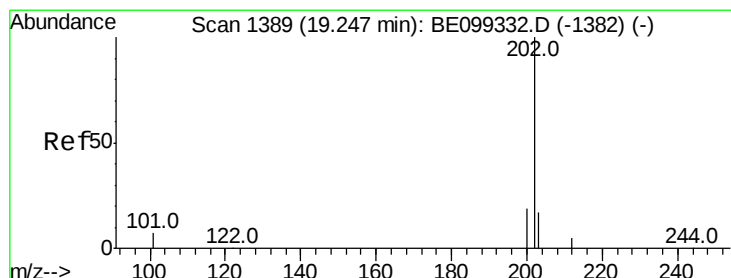
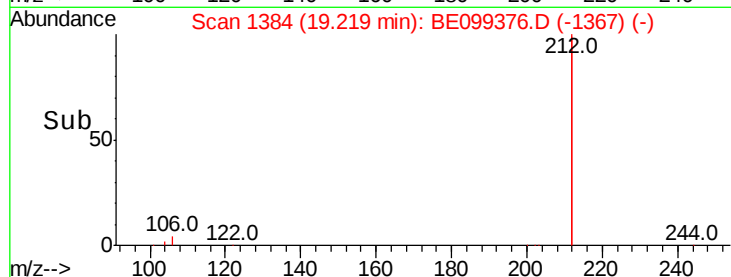
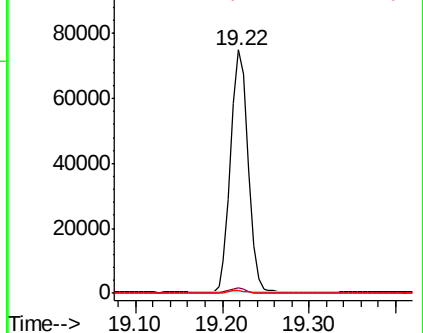
104 1.1 1.0 1.4



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: 1.011 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

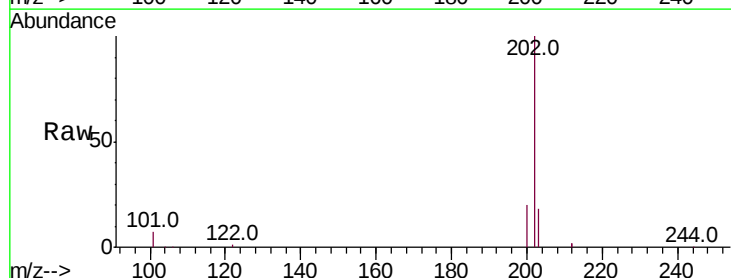
Tgt Ion:202 Resp: 61840

Ion Ratio Lower Upper

202 100

101 6.9 6.4 9.6

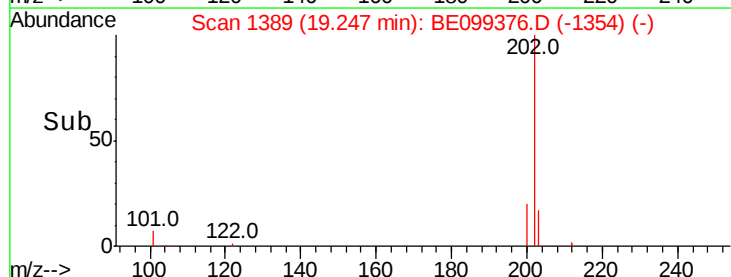
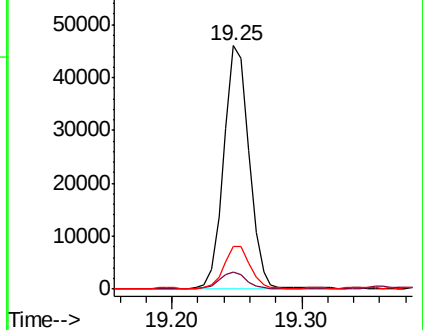
203 17.4 13.5 20.3

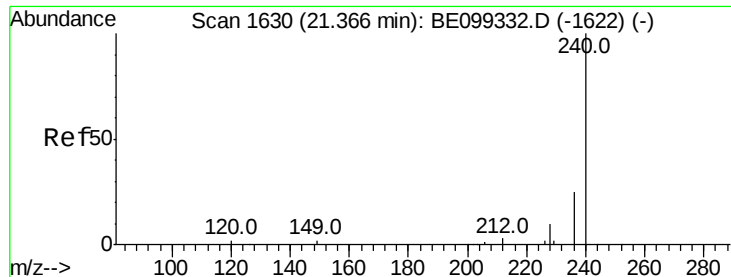


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

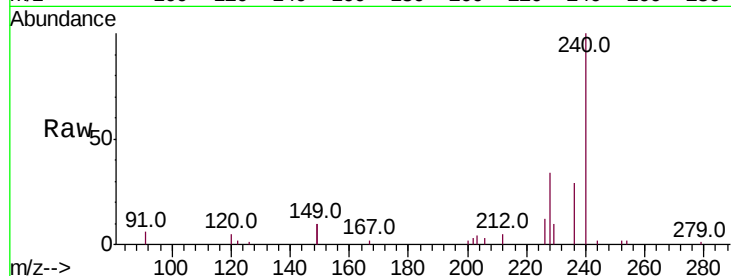
Tot Ion:240 Resp: 19087

Ion Ratio Lower Upper

240 100

120 4.8 2.2 3.2#

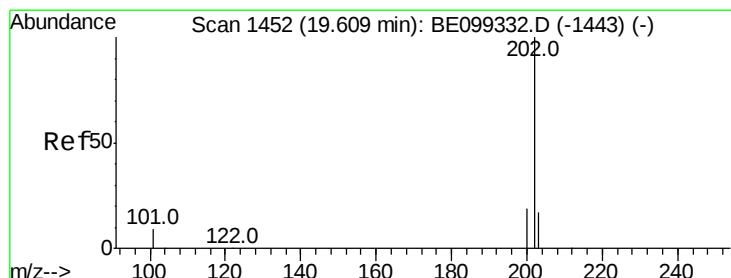
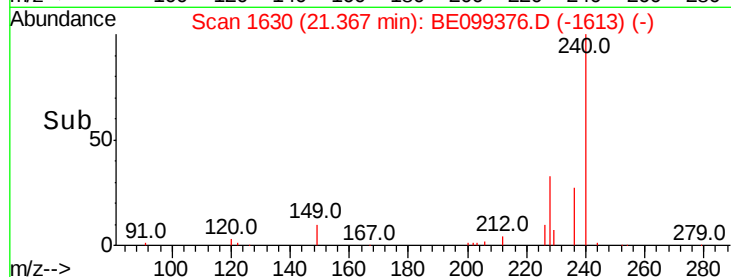
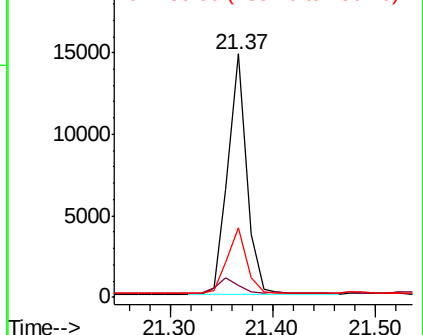
236 28.5 20.2 30.4



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: 1.141 ng

RT: 19.61 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

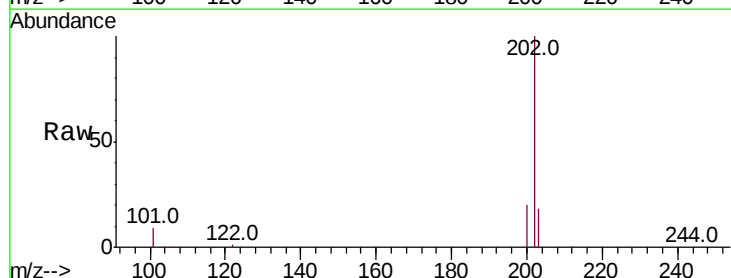
Tgt Ion:202 Resp: 64187

Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

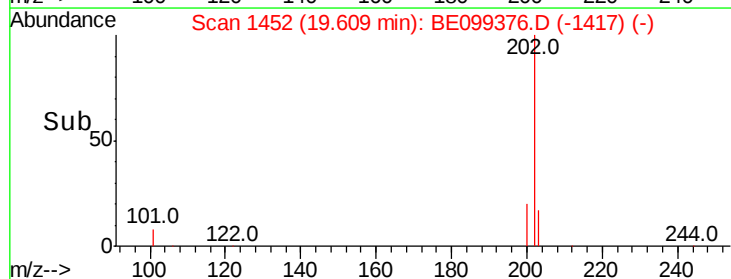
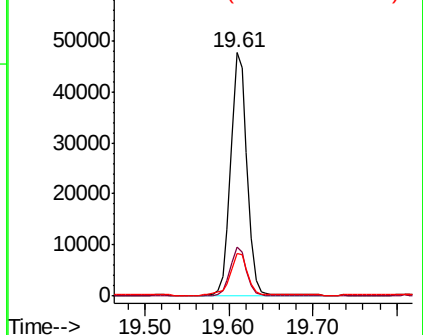
203 18.3 13.7 20.5

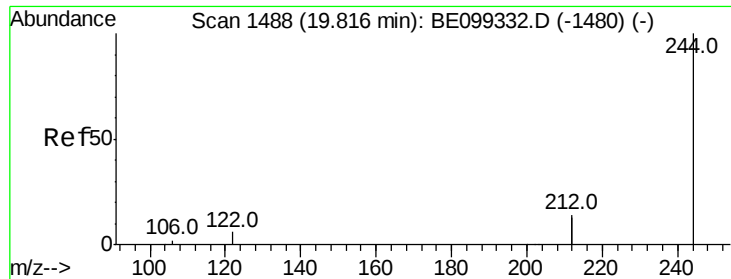


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 2.506 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

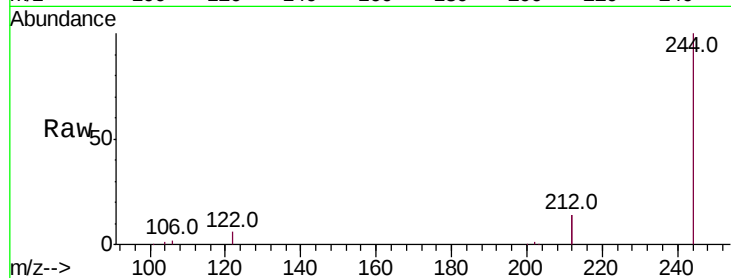
Tot Ion:244 Resp: 94137

Ion Ratio Lower Upper

244 100

212 28.8 22.6 33.8

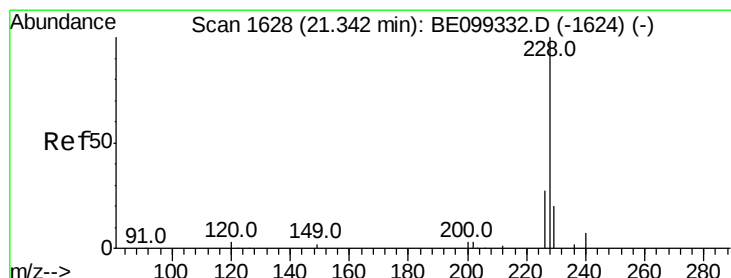
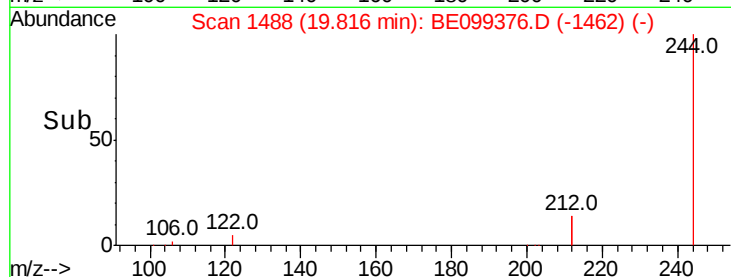
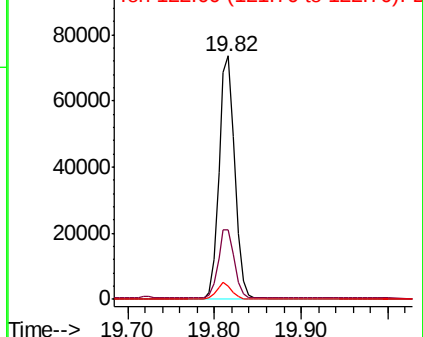
122 5.6 4.6 7.0



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: 1.188 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

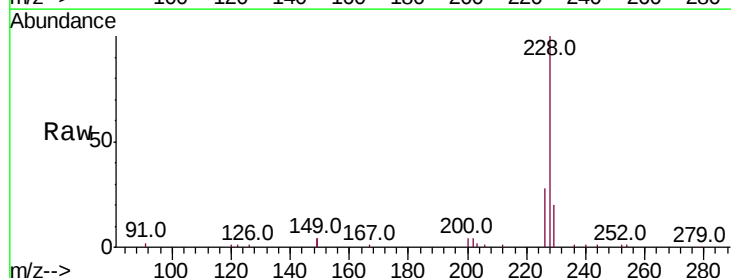
Tgt Ion:228 Resp: 66671

Ion Ratio Lower Upper

228 100

226 28.2 22.0 33.0

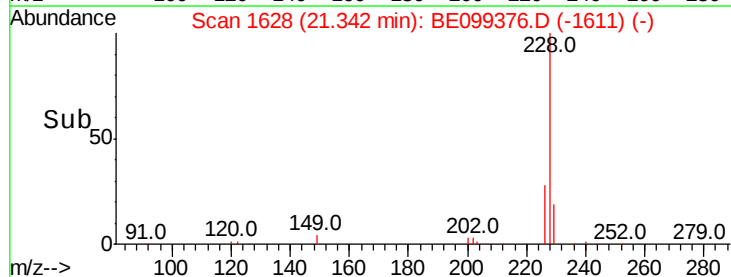
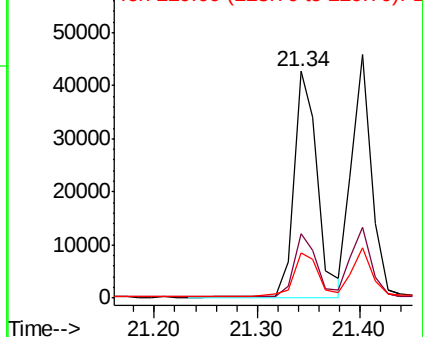
229 20.2 15.8 23.8

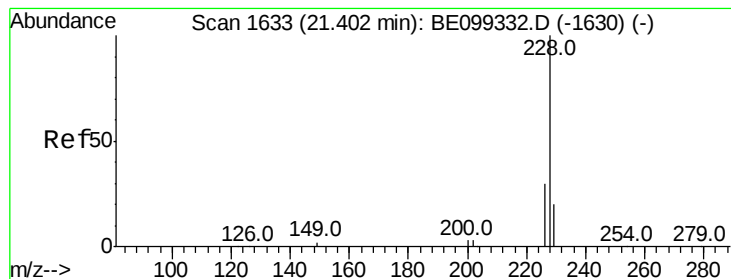


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.013 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

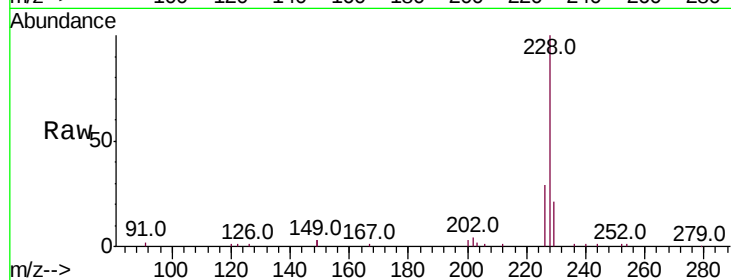
BNA_E

ClientSampleId :

PST-028-B010-042219

Tot Ion:228 Resp: 60495

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.2
229	20.8	16.2	24.2

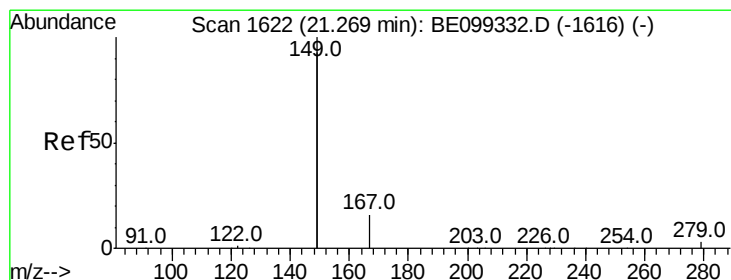
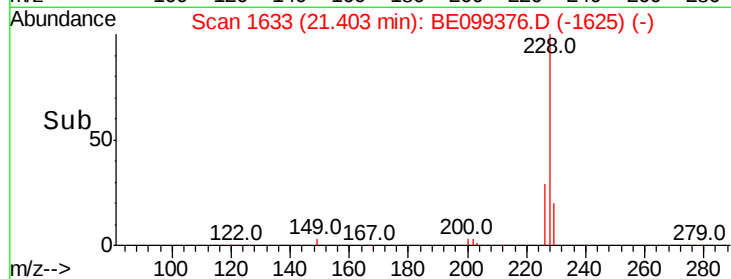
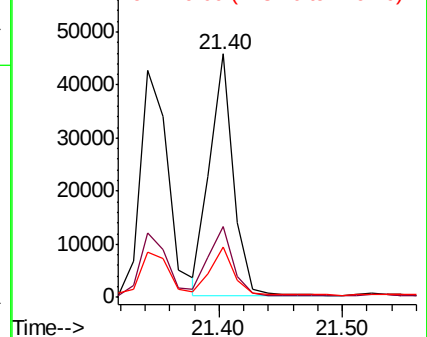


Abundance

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: 1.937 ng

RT: 21.27 min Scan# 1622

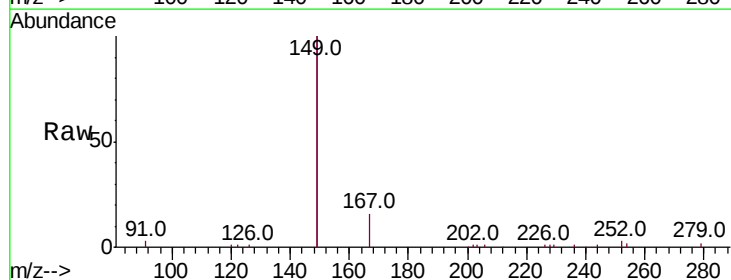
Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Tgt Ion:149 Resp: 98919

Ion	Ratio	Lower	Upper
149	100		
167	7.7	6.0	9.0
279	1.3	1.1	1.7

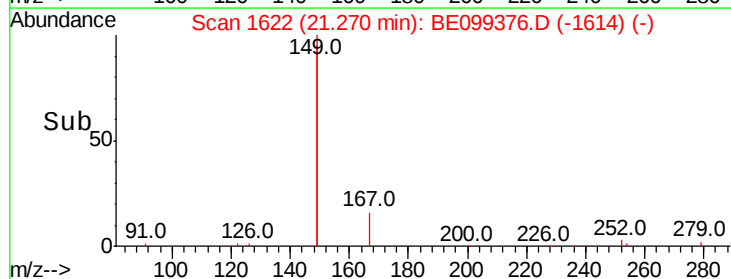
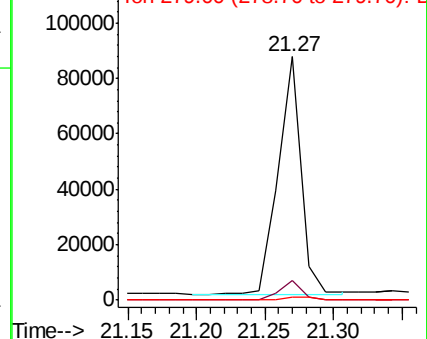


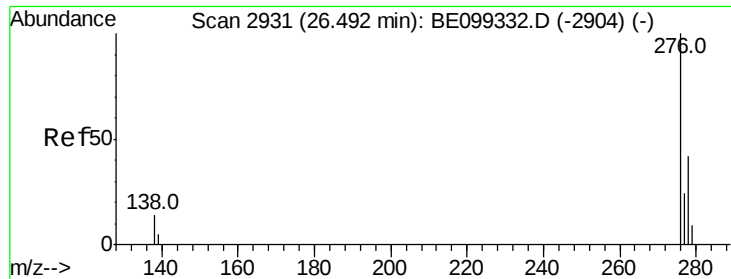
Abundance

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: 1.089 ng

RT: 26.50 min Scan# 2934

Delta R.T. 0.01 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

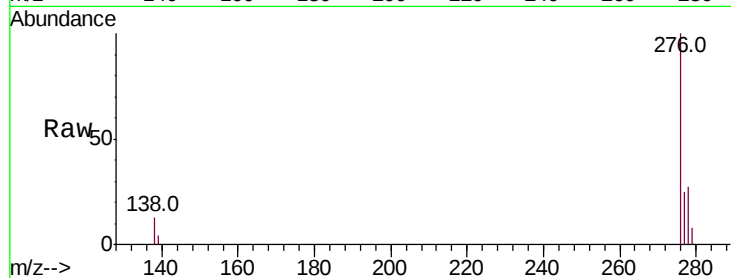
Tot Ion:276 Resp: 64241

Ion Ratio Lower Upper

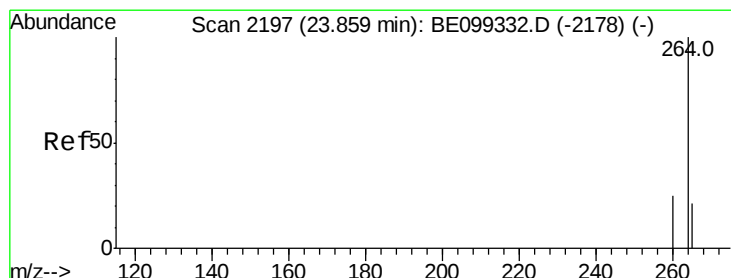
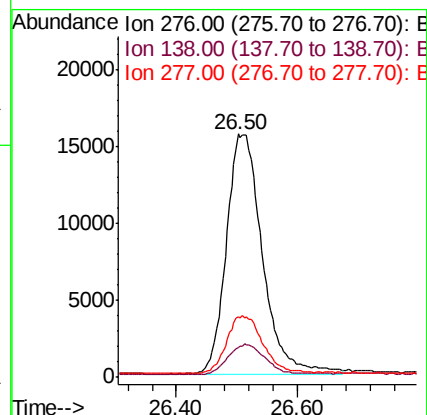
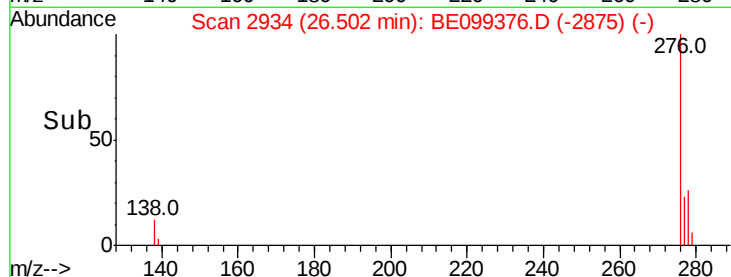
276 100

138 13.0 12.7 19.1

277 24.2 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: 23.86 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

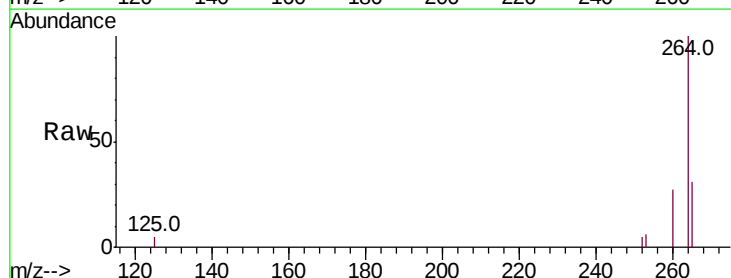
Tgt Ion:264 Resp: 21425

Ion Ratio Lower Upper

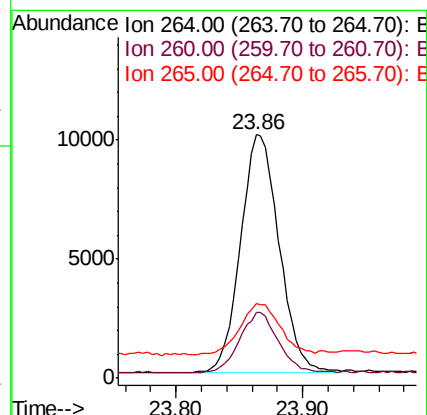
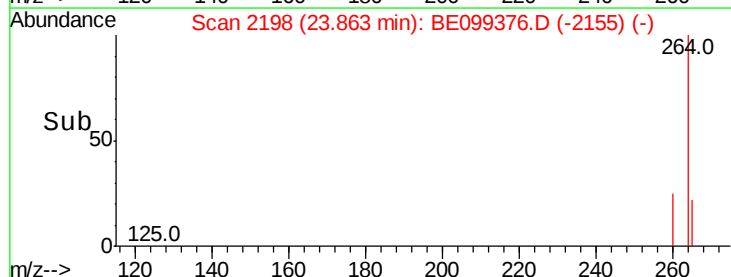
264 100

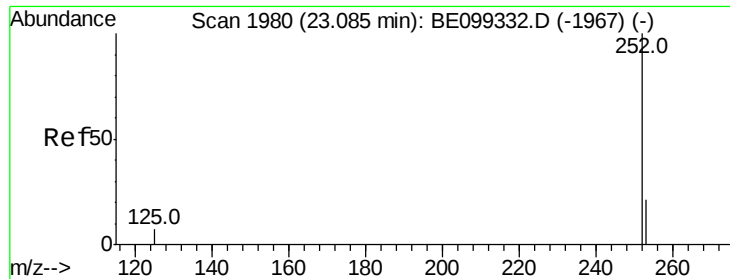
260 26.8 20.1 30.1

265 30.9 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: 0.925 ng

RT: 23.09 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

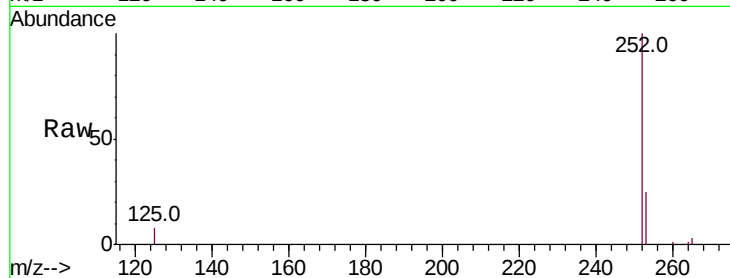
Tot Ion:252 Resp: 60696

Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

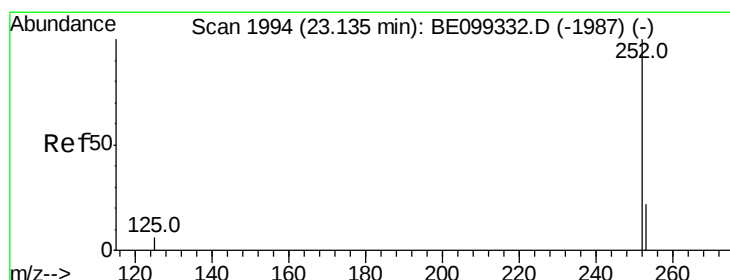
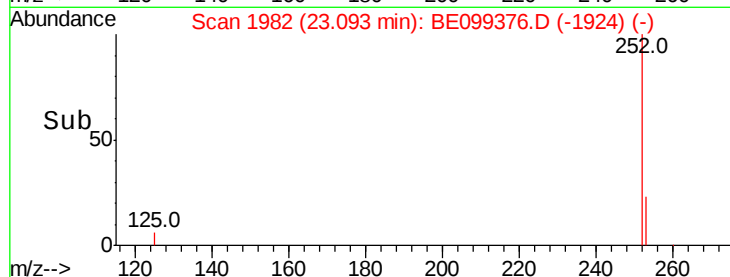
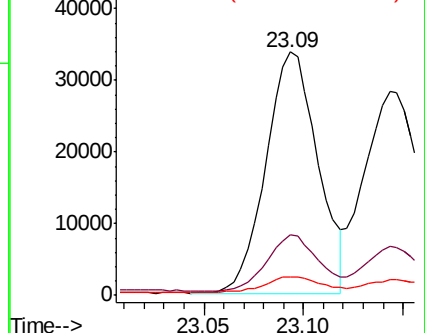
125 7.7 5.8 8.6



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: 0.856 ng

RT: 23.14 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

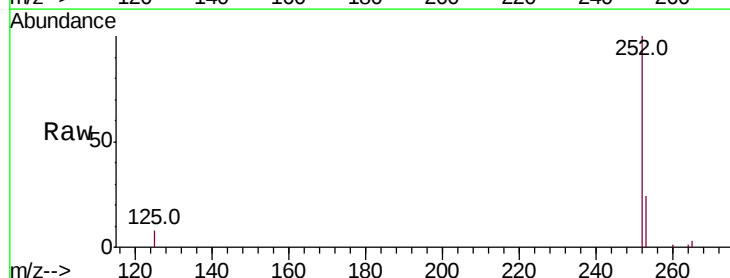
Tgt Ion:252 Resp: 55959

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

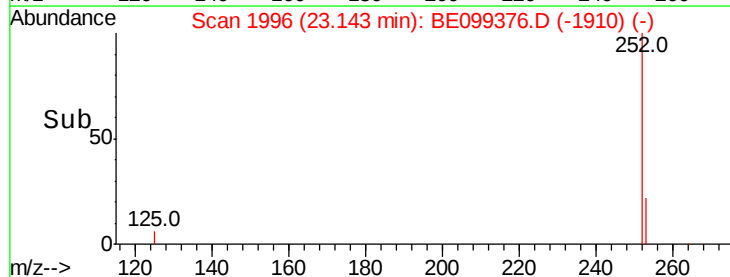
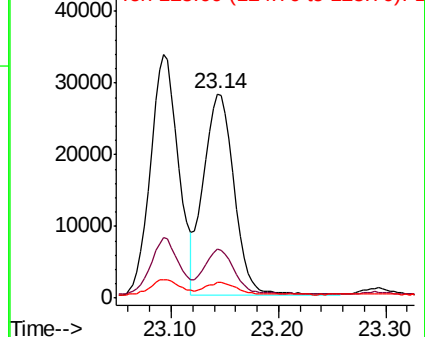
125 7.6 5.4 8.0

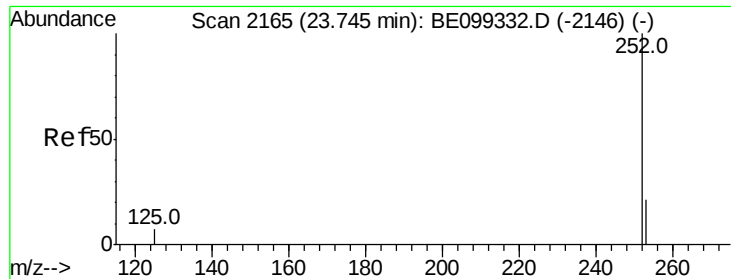


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.950 ng

RT: 23.75 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

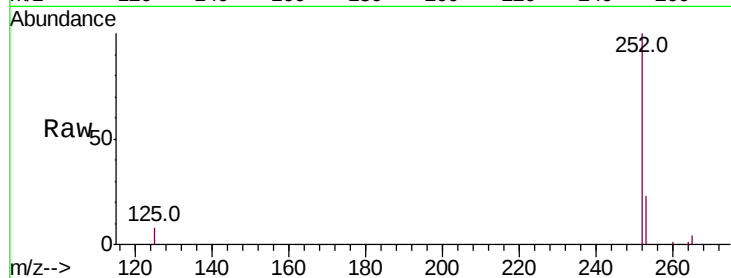
Tot Ion:252 Resp: 55836

Ion Ratio Lower Upper

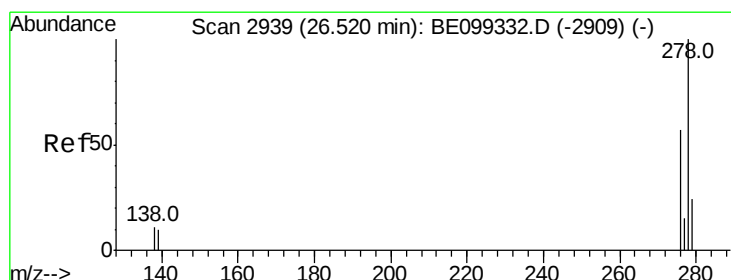
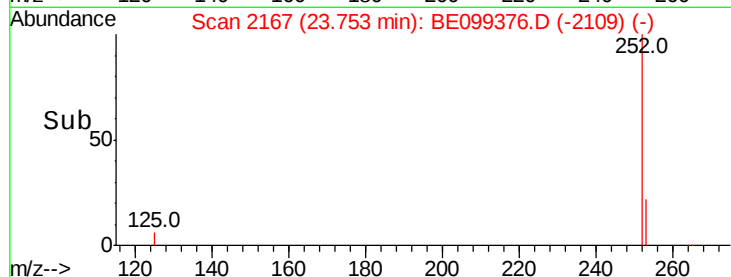
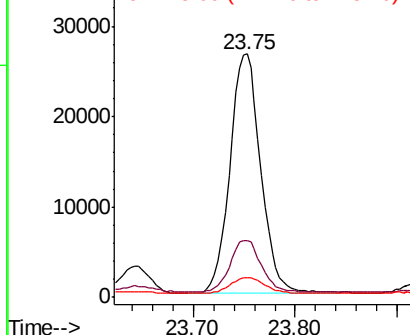
252 100

253 23.5 17.6 26.4

125 8.2 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: 0.816 ng

RT: 26.53 min Scan# 2943

Delta R.T. 0.01 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

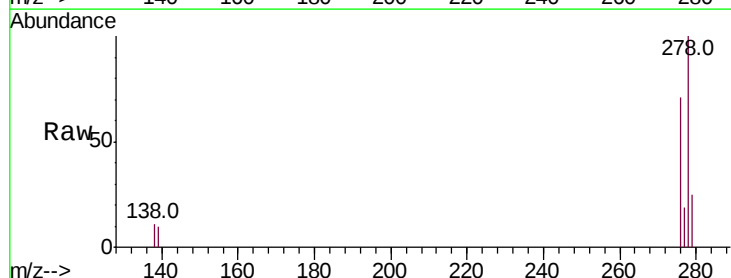
Tgt Ion:278 Resp: 48987

Ion Ratio Lower Upper

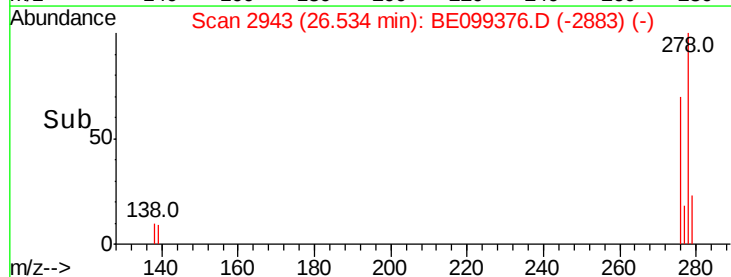
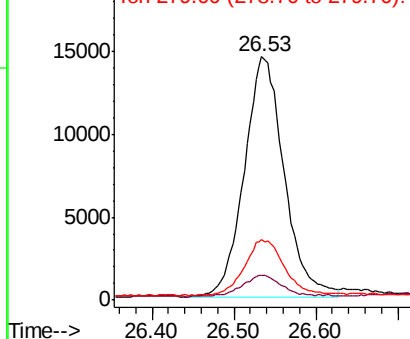
278 100

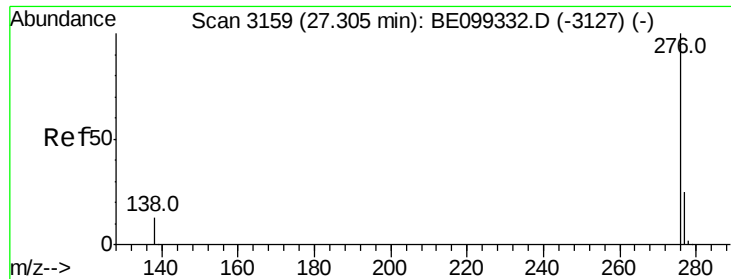
139 10.0 8.5 12.7

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: 0.875 ng

RT: 27.32 min Scan# 3164

Delta R.T. 0.02 min

Lab File: BE099376.D

Acq: 26 Apr 2019 13:53

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

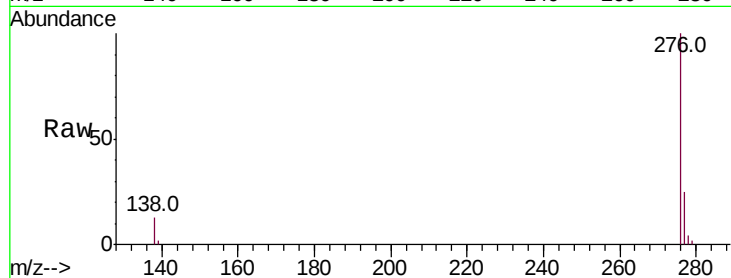
Tot Ion:276 Resp: 53314

Ion Ratio Lower Upper

276 100

277 24.5 20.0 30.0

138 12.5 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

