

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099396.D
 Acq On : 27 Apr 2019 2:32
 Operator : JU/SJ
 Sample : K2533-13MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219MS

Quant Time: Apr 27 05:10:00 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	3443	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	13201	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	9474	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	27600	0.40	ng	0.01
27) Chrysene-d12	21.37	240	31892	0.40	ng	0.00
34) Perylene-d12	23.88	264	35476	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	3590	0.43	ng	0.01
5) Phenol-d6	6.97	99	5037	0.42	ng	0.00
8) Nitrobenzene-d5	8.98	82	4626	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	10670	0.46	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2253	0.72	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	12774	0.34	ng	0.00
25) Fluoranthene-d10	19.22	212	120359	0.36	ng	0.00
29) Terphenyl-d14	19.82	244	21013	0.33	ng	0.00

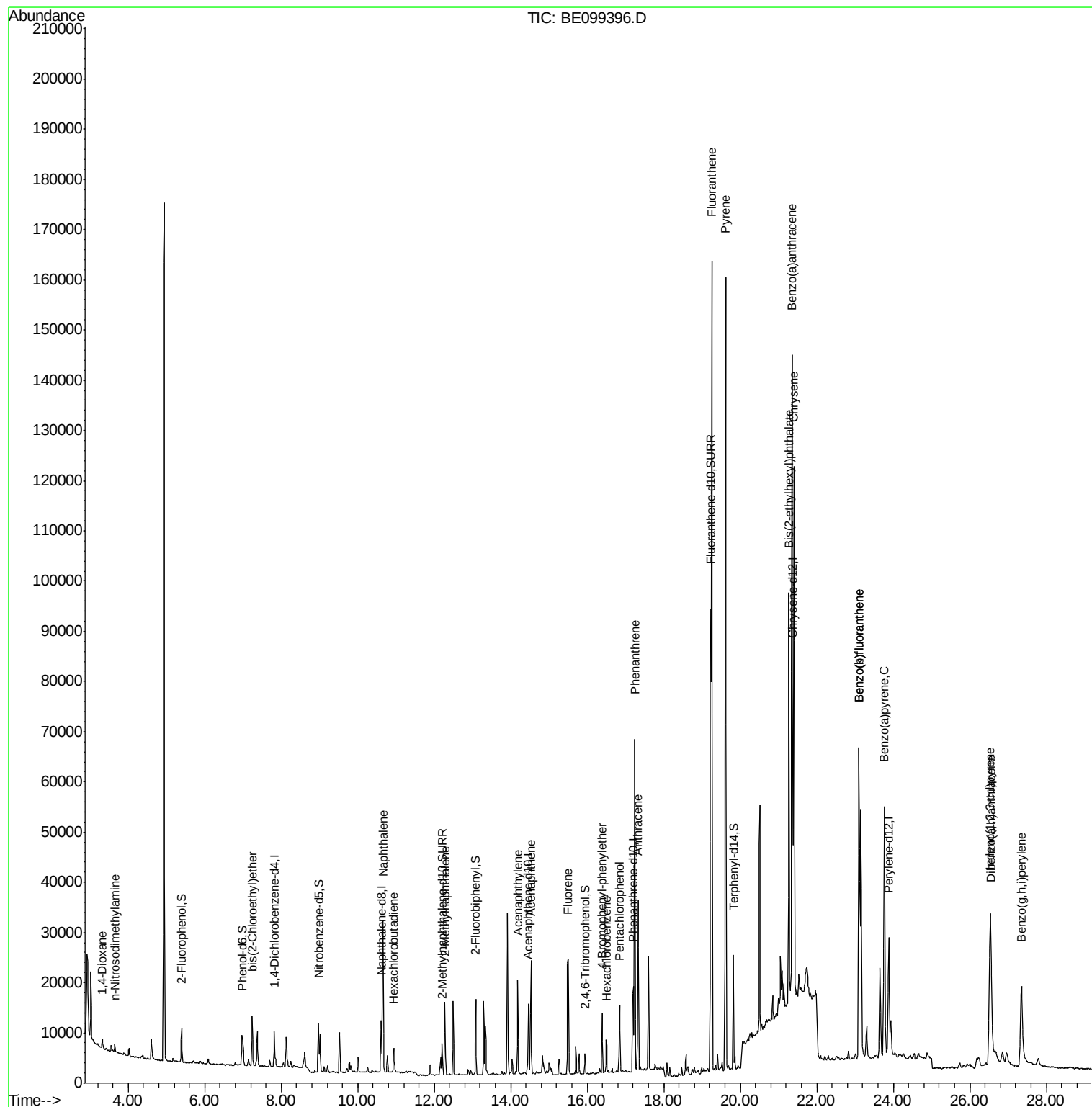
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	1161	0.241	ng	# 45
3) n-Nitrosodimethylamine	3.65	42	954	0.368	ng	# 91
6) bis(2-Chloroethyl)ether	7.24	93	3717	0.332	ng	95
9) Naphthalene	10.67	128	54861	0.381	ng	100
10) Hexachlorobutadiene	10.94	225	3286	0.359	ng	98
12) 2-Methylnaphthalene	12.28	142	9773	0.399	ng	98
16) Acenaphthylene	14.18	152	20377	0.476	ng	99
17) Acenaphthene	14.53	154	11176	0.424	ng	98
18) Fluorene	15.50	166	16864	0.445	ng	99
20) 4-Bromophenyl-phenylether	16.38	248	6068	0.397	ng	# 86
21) Hexachlorobenzene	16.51	284	5754	0.391	ng	98
22) Pentachlorophenol	16.84	266	6884	1.380	ng	95
23) Phenanthrene	17.24	178	77525	1.061	ng	100
24) Anthracene	17.32	178	38027	0.585	ng	99
26) Fluoranthene	19.25	202	148370	1.517	ng	98
28) Pyrene	19.62	202	144026	1.533	ng	# 96
30) Benzo(a)anthracene	21.36	228	107549	1.147	ng	98
31) Chrysene	21.40	228	98296	0.985	ng	96
32) Bis(2-ethylhexyl)phthalate	21.27	149	81834	0.959	ng	100
33) Indeno(1,2,3-cd)pyrene	26.53	276	62895	0.638	ng	# 94
35) Benzo(b)fluoranthene	23.10	252	102585	0.945	ng	96
36) Benzo(k)fluoranthene	23.10	252	102585	0.947	ng	98
37) Benzo(a)pyrene	23.76	252	84972	0.873	ng	96
38) Dibenzo(a,h)anthracene	26.55	278	37796	0.380	ng	# 92
39) Benzo(g,h,i)perylene	27.35	276	48048	0.476	ng	96

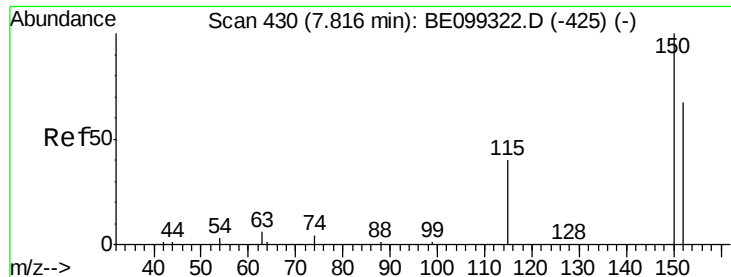
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

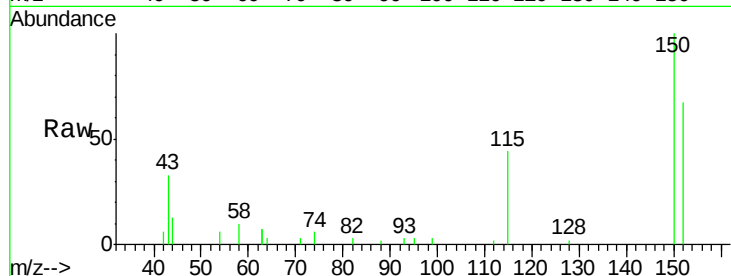
Tot Ion:152 Resp: 3443

Ion Ratio Lower Upper

152 100

150 149.1 119.5 179.3

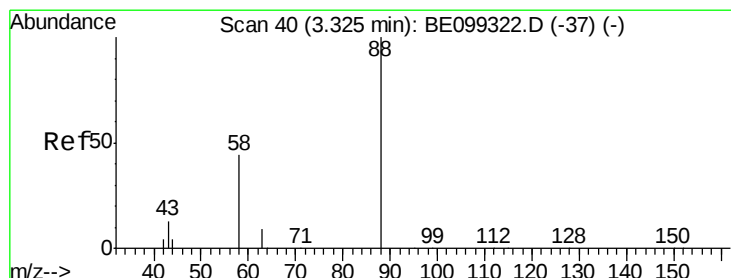
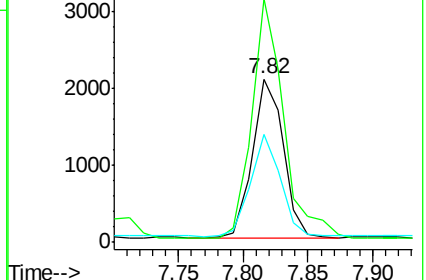
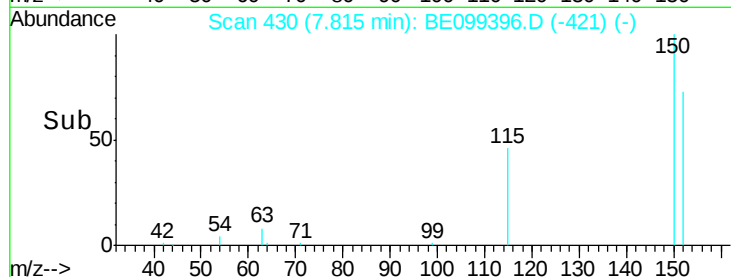
115 65.8 47.5 71.3



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: 0.241 ng

RT: 3.32 min Scan# 40

Delta R.T. -0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

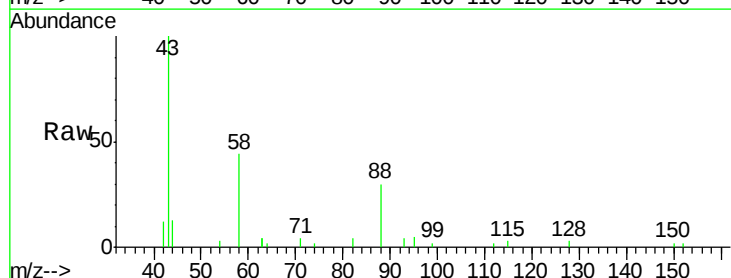
Tgt Ion: 88 Resp: 1161

Ion Ratio Lower Upper

88 100

58 75.1 49.1 73.7#

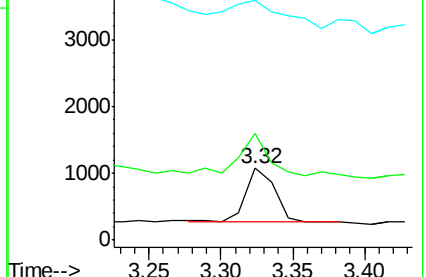
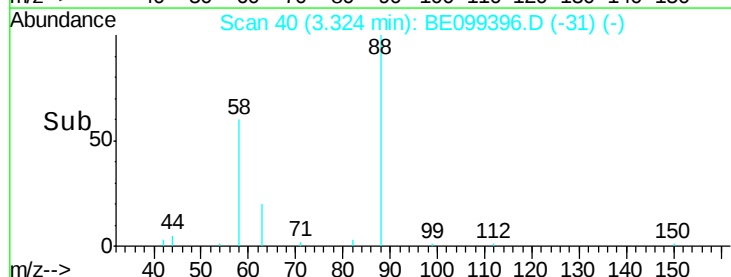
43 97.2 17.9 26.9#

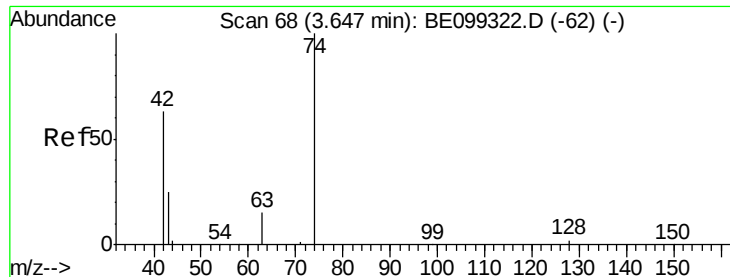


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.368 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

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PST-028-SW005-042219MS

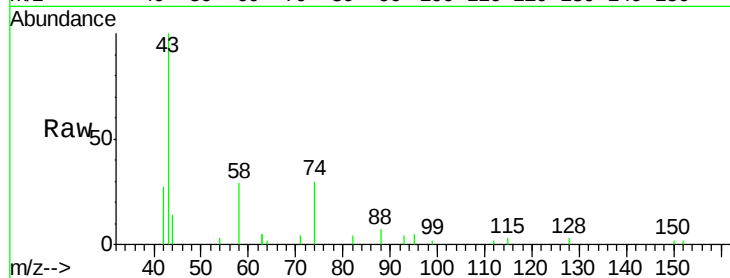
Tot Ion: 42 Resp: 954

Ion Ratio Lower Upper

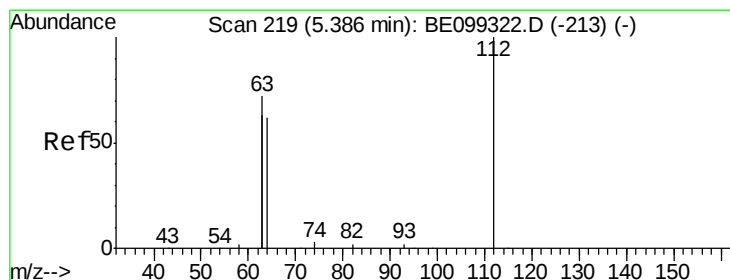
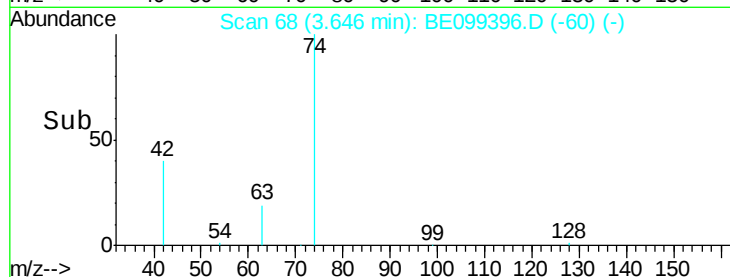
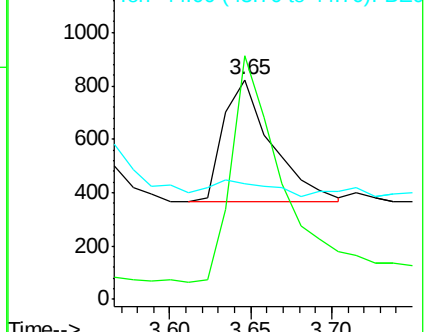
42 100

74 195.4 145.8 218.8

44 14.9 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: 0.427 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

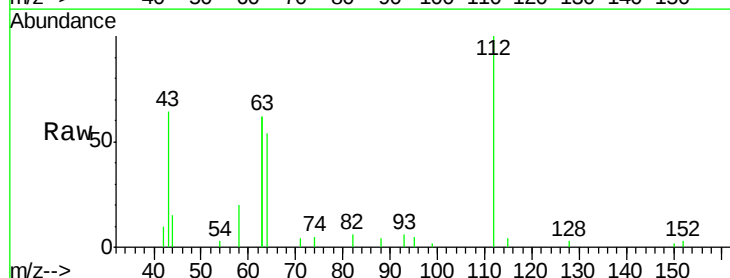
Tgt Ion: 112 Resp: 3590

Ion Ratio Lower Upper

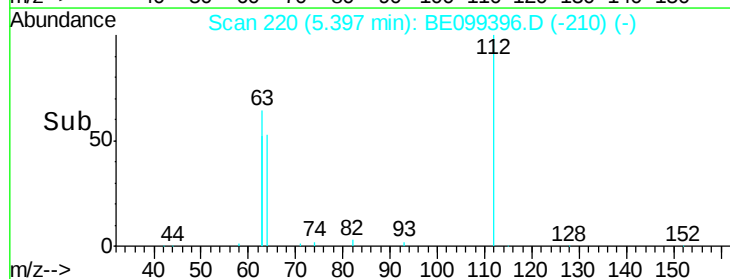
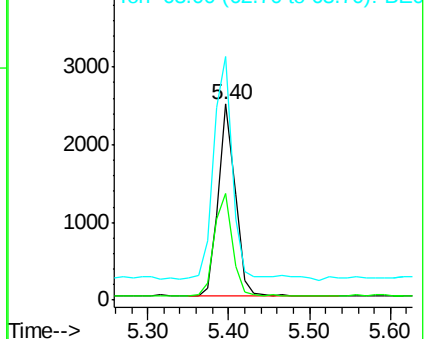
112 100

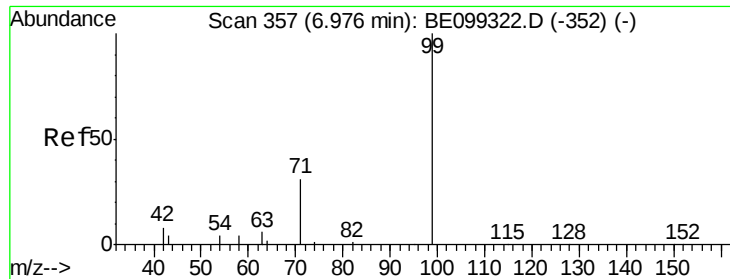
64 56.5 44.9 67.3

63 127.2 97.4 146.0



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





#5

Phenol-d6

Concen: 0.420 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

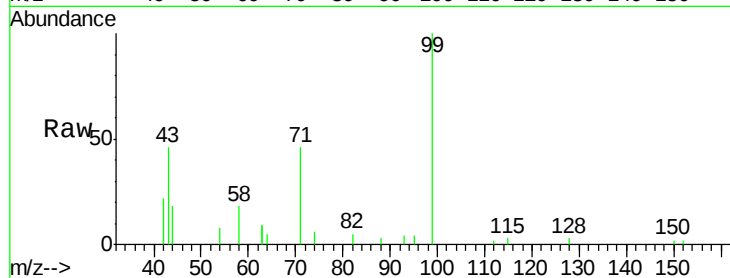
Tot Ion: 99 Resp: 5037

Ion Ratio Lower Upper

99 100

42 17.0 11.7 17.5

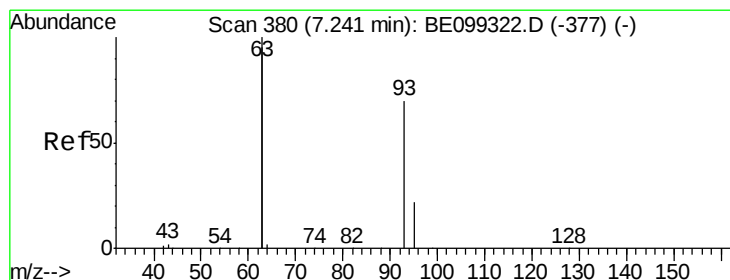
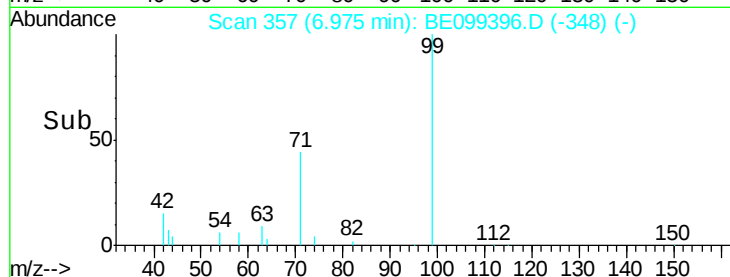
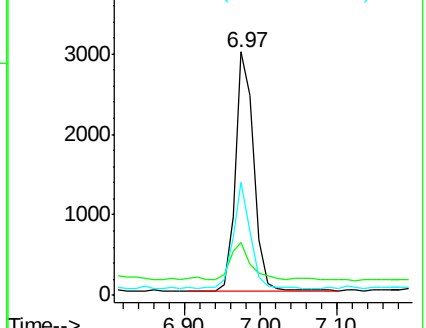
71 42.3 29.6 44.4



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: 0.332 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

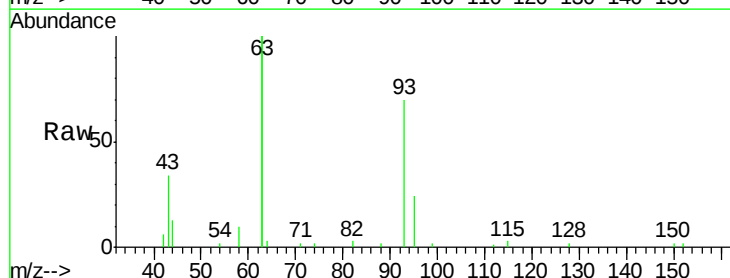
Tgt Ion: 93 Resp: 3717

Ion Ratio Lower Upper

93 100

63 279.6 216.6 324.8

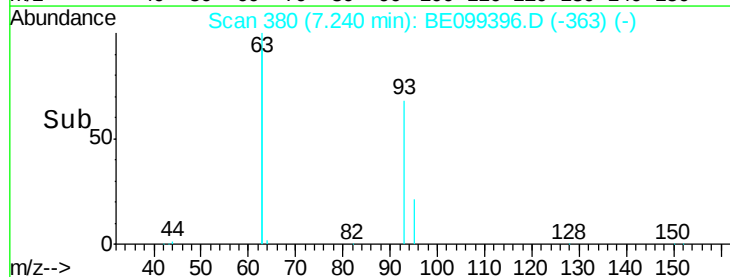
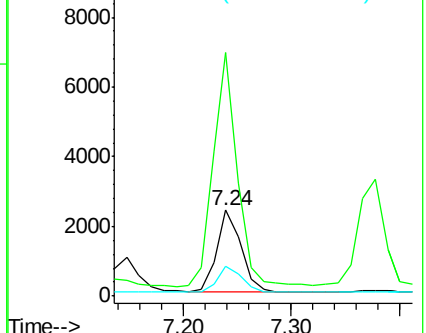
95 33.4 25.8 38.6

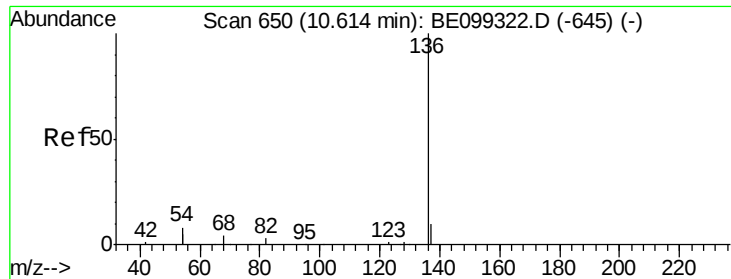


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

Tot Ion:136 Resp: 13201

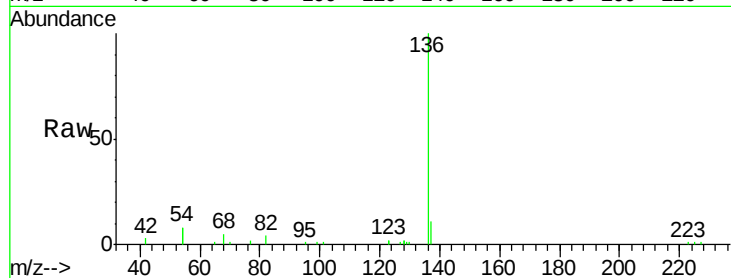
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 16.4 23.8 35.8#

68 4.7 6.4 9.6#

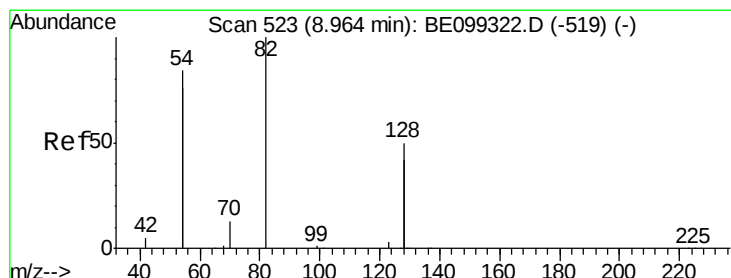
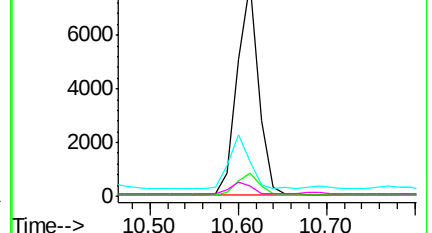
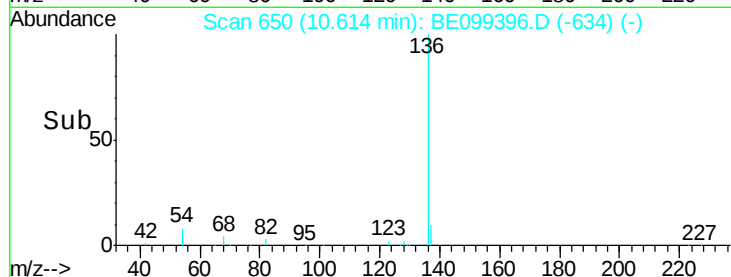


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.451 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

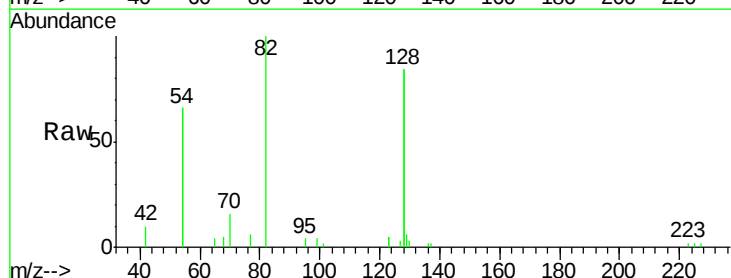
Tgt Ion: 82 Resp: 4626

Ion Ratio Lower Upper

82 100

128 168.4 91.7 137.5#

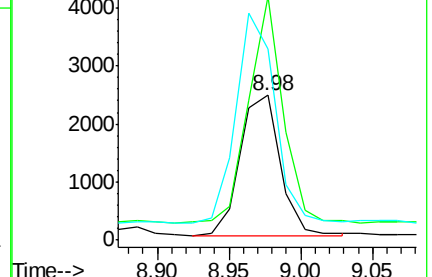
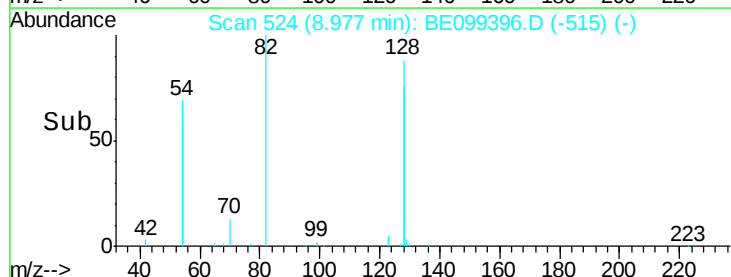
54 132.0 122.8 184.2

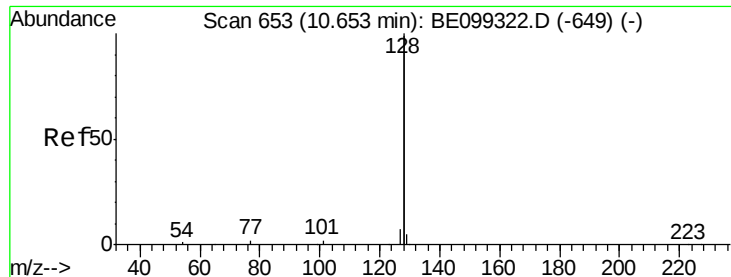


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.381 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

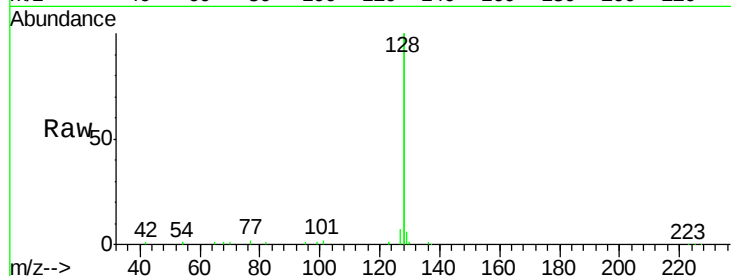
Tot Ion:128 Resp: 54861

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

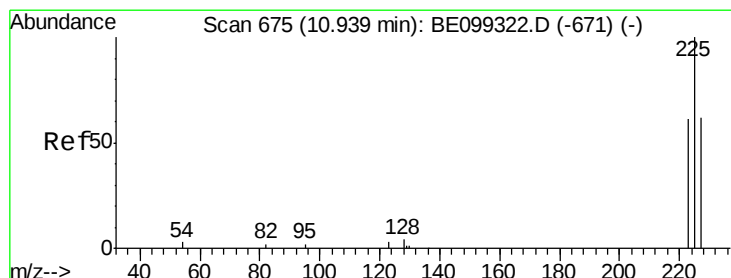
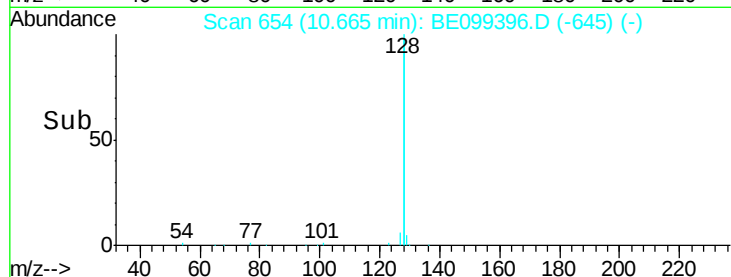
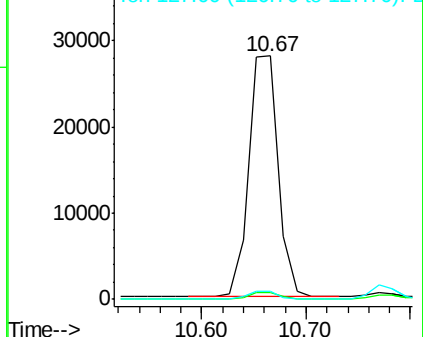
127 3.3 2.8 4.2



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: 0.359 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

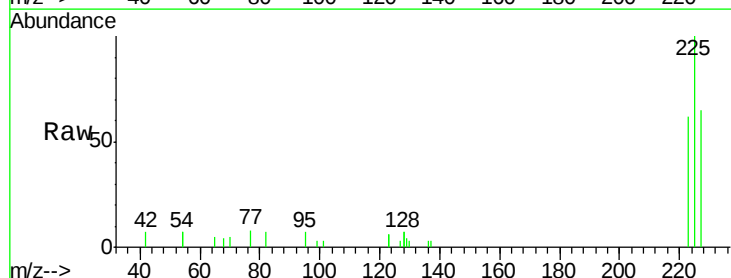
Tgt Ion:225 Resp: 3286

Ion Ratio Lower Upper

225 100

223 62.2 50.3 75.5

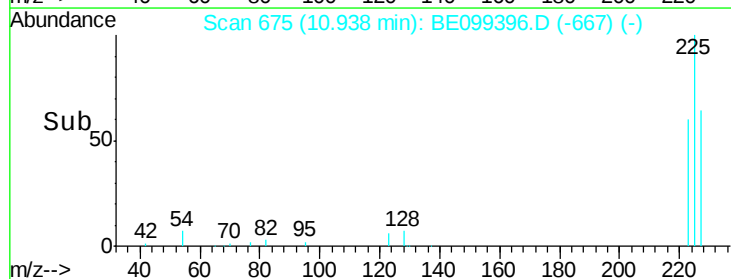
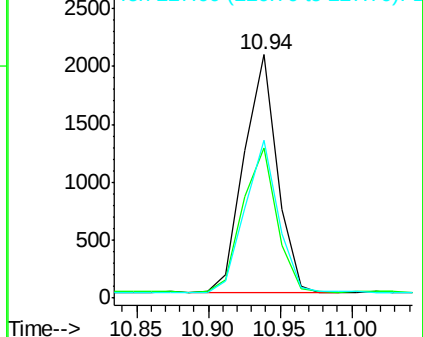
227 63.4 49.4 74.0

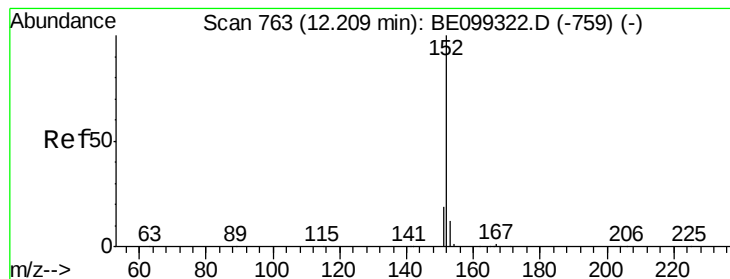


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.458 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

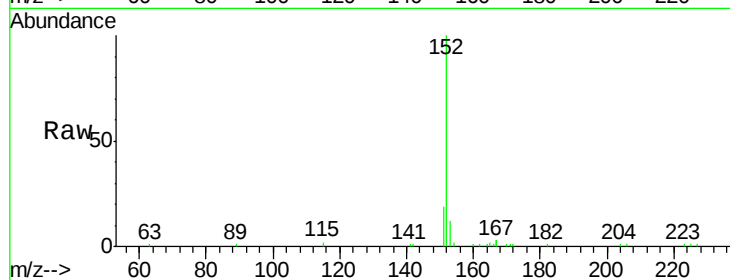
PST-028-SW005-042219MS

Tot Ion:152 Resp: 10670

Ion Ratio Lower Upper

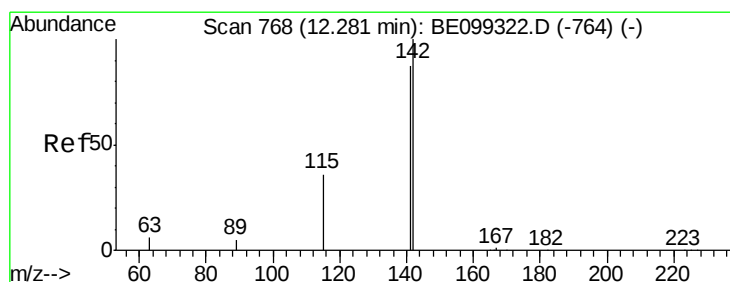
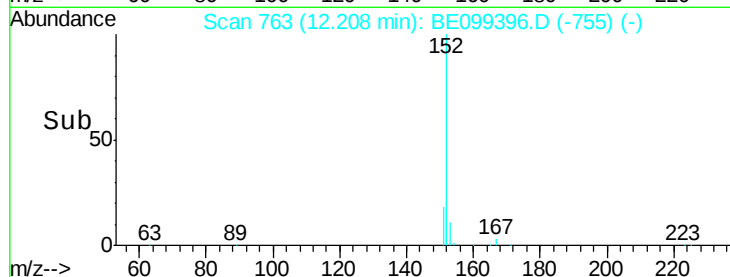
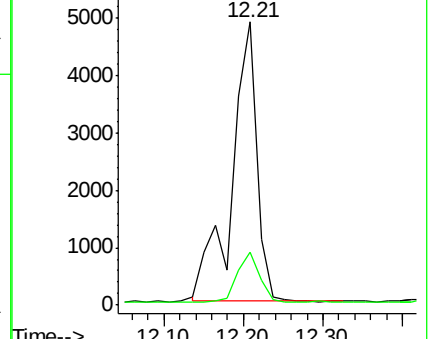
152 100

151 15.4 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.399 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

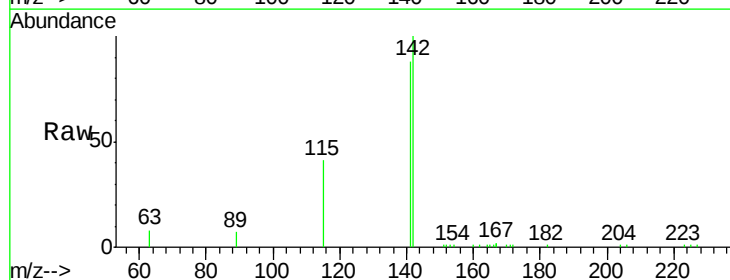
Tgt Ion:142 Resp: 9773

Ion Ratio Lower Upper

142 100

141 88.3 72.0 108.0

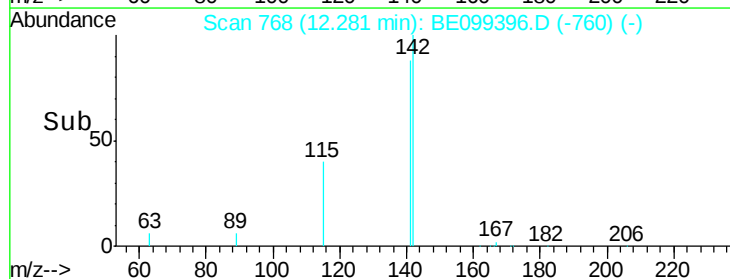
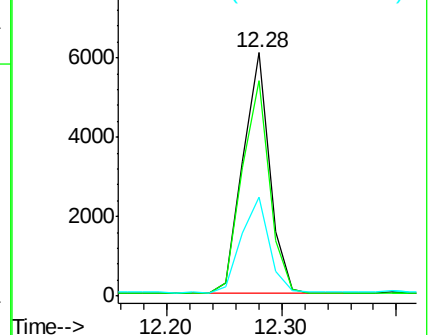
115 40.7 33.4 50.0

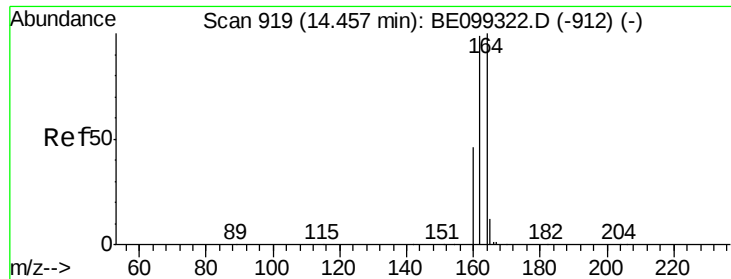


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

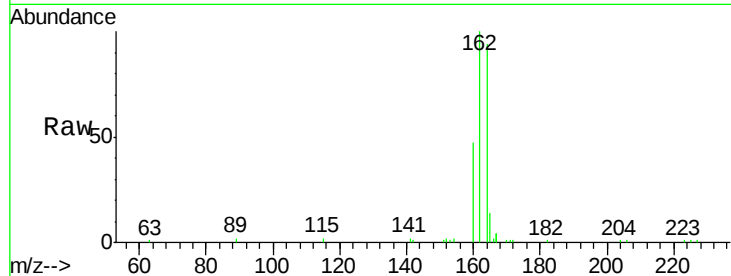
Tot Ion:164 Resp: 9474

Ion Ratio Lower Upper

164 100

162 106.9 77.8 116.6

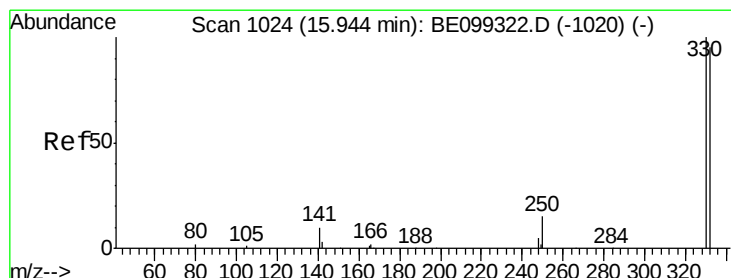
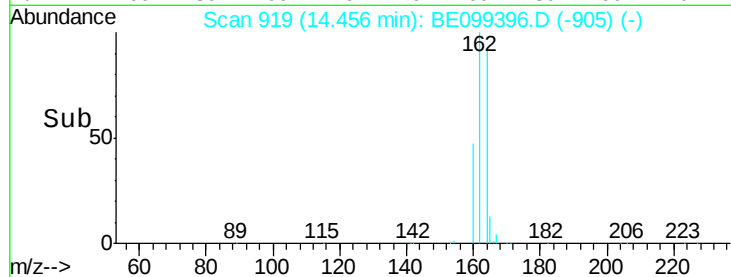
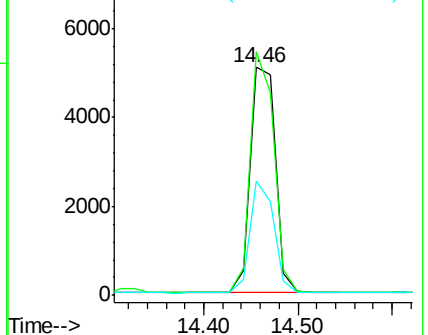
160 50.3 37.1 55.7



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: 0.716 ng

RT: 15.94 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

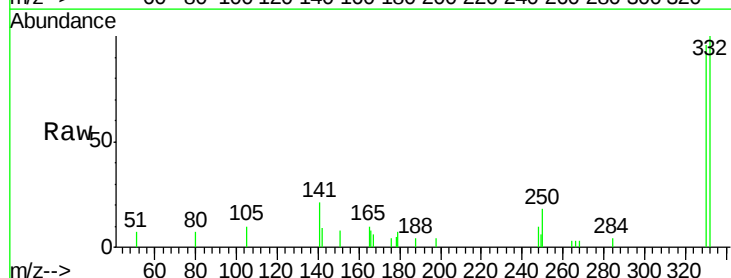
Tgt Ion:330 Resp: 2253

Ion Ratio Lower Upper

330 100

332 101.2 82.5 123.7

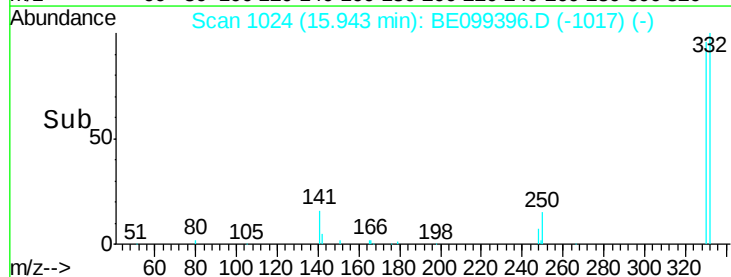
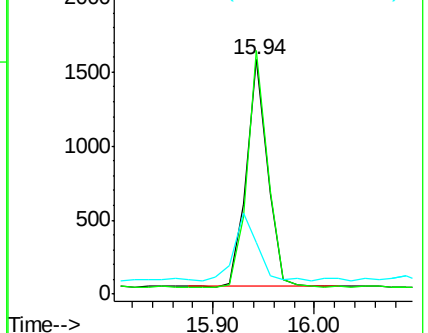
141 31.6 24.9 37.3

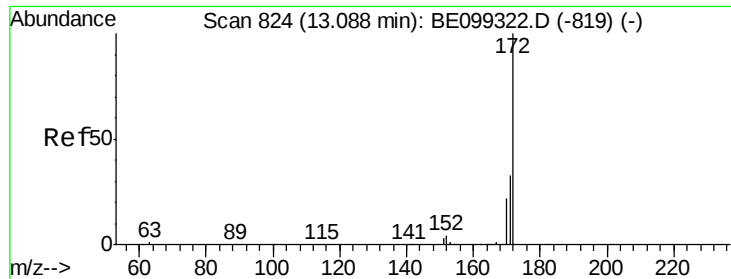


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

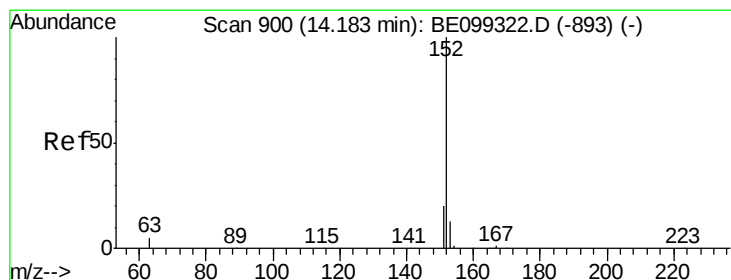
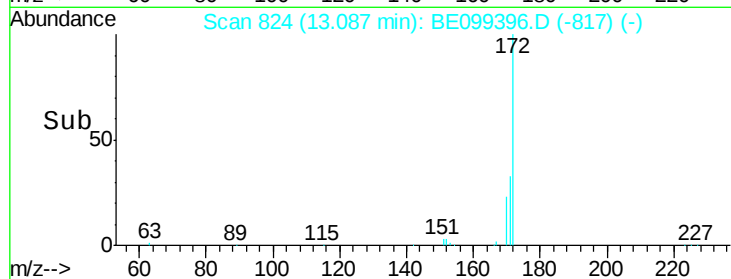
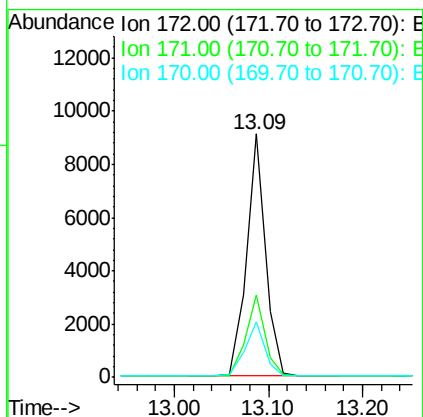
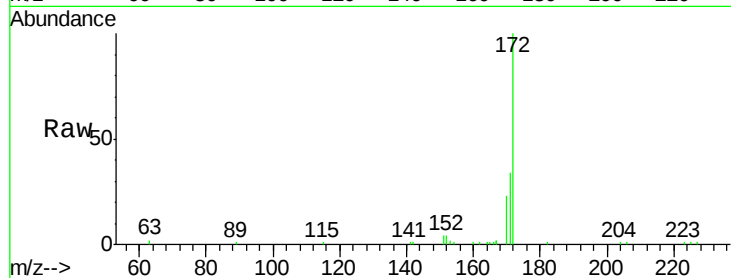




#15
2-Fluorobiphenyl
Concen: 0.343 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

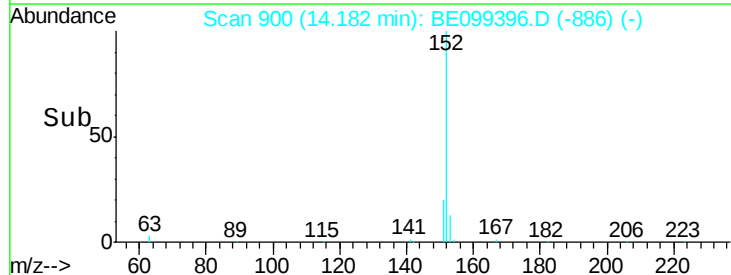
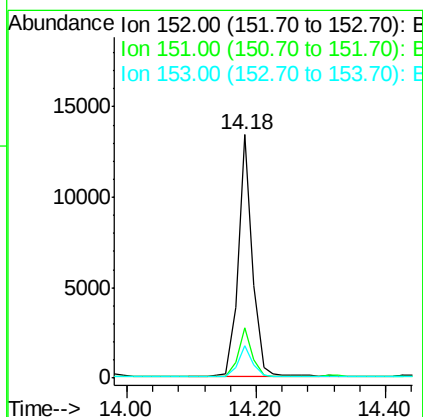
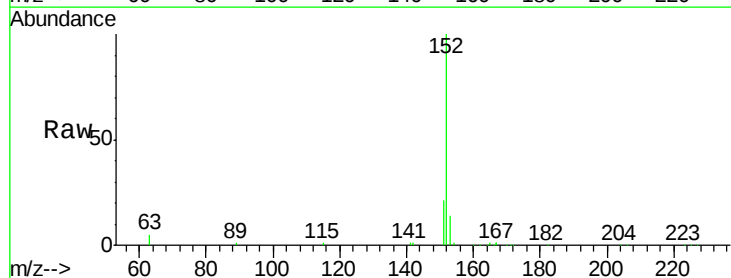
Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

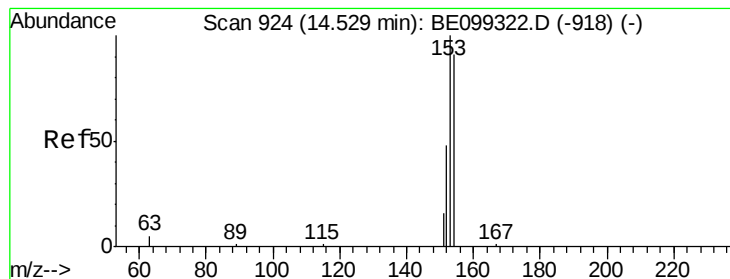
Tot Ion:172 Resp: 12774
Ion Ratio Lower Upper
172 100
171 33.6 26.2 39.2
170 23.0 18.1 27.1



#16
Acenaphthylene
Concen: 0.476 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:152 Resp: 20377
Ion Ratio Lower Upper
152 100
151 20.2 15.5 23.3
153 13.2 10.2 15.4





#17

Acenaphthene

Concen: 0.424 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

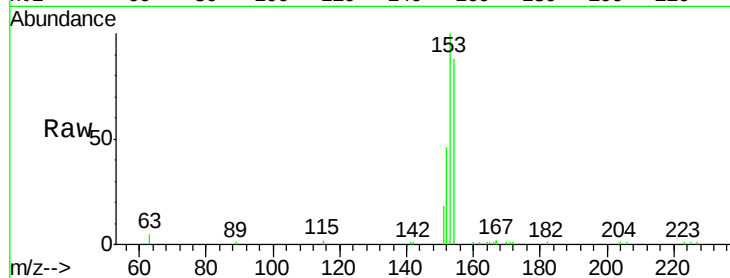
Tot Ion:154 Resp: 11176

Ion Ratio Lower Upper

154 100

153 116.2 94.7 142.1

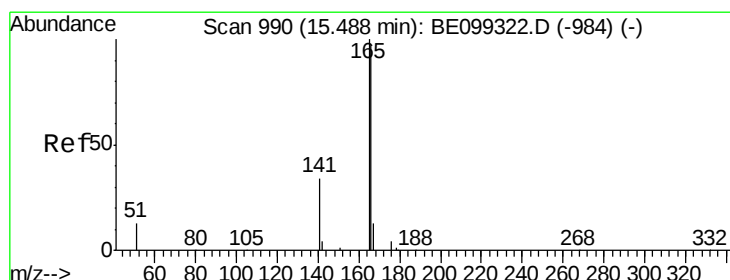
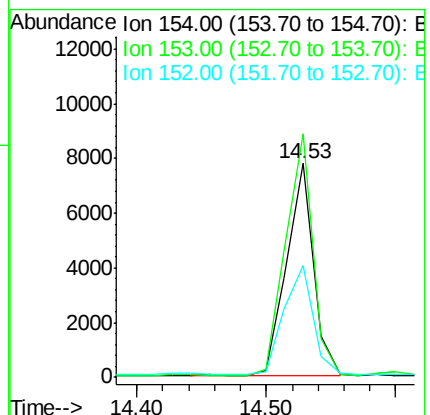
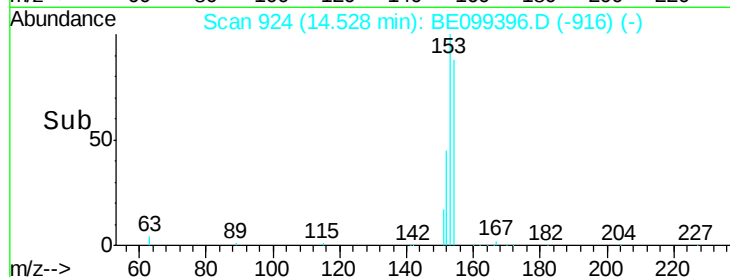
152 55.6 46.4 69.6



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: 0.445 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

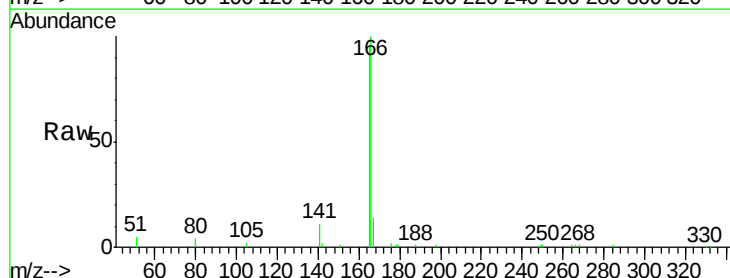
Tgt Ion:166 Resp: 16864

Ion Ratio Lower Upper

166 100

165 98.5 79.7 119.5

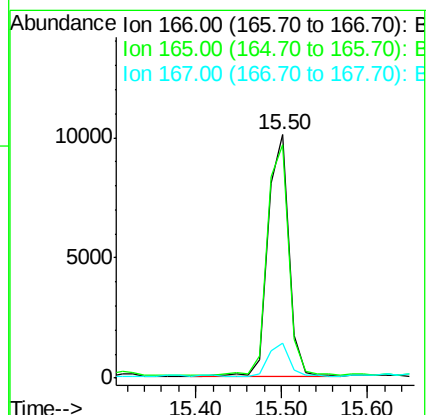
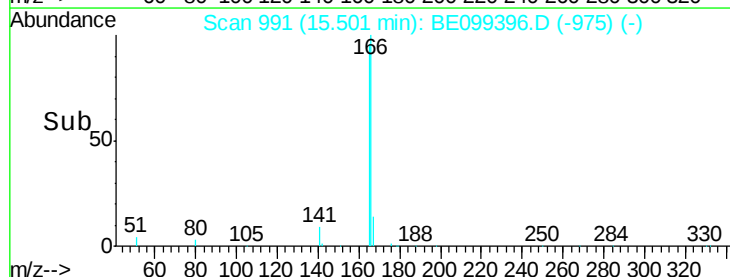
167 13.7 11.0 16.4

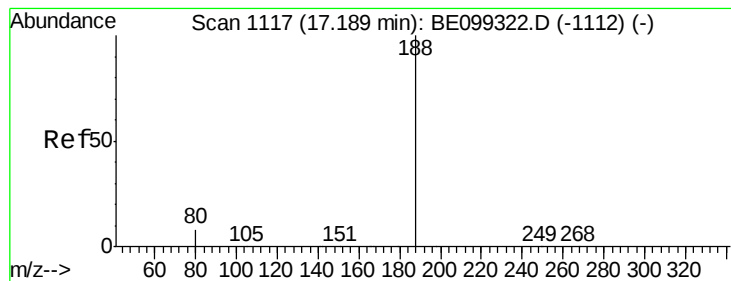


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

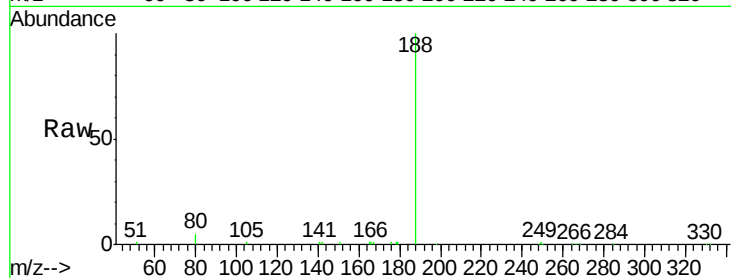
Tot Ion:188 Resp: 27600

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

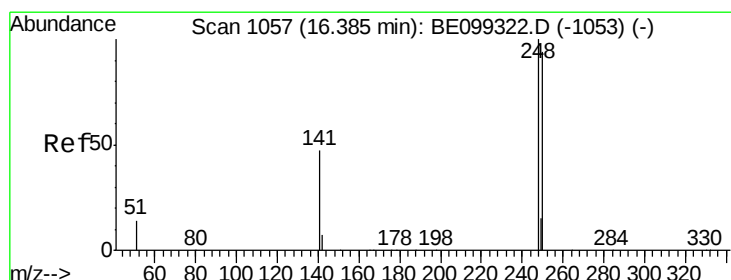
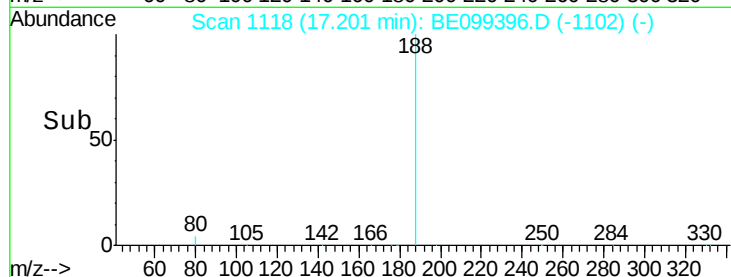
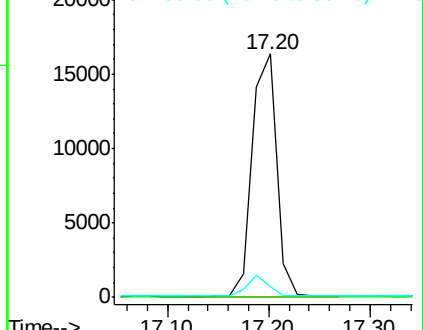
80 4.5 6.2 9.4#



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: 0.397 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

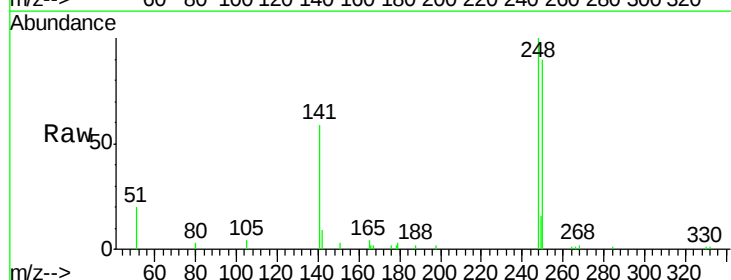
Tgt Ion:248 Resp: 6068

Ion Ratio Lower Upper

248 100

250 90.1 77.0 115.6

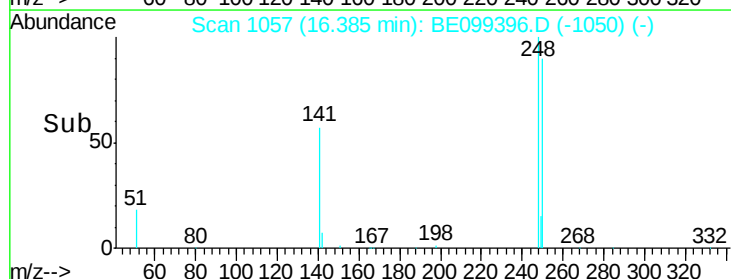
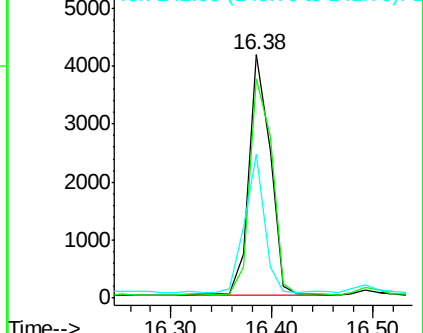
141 59.1 31.1 46.7#

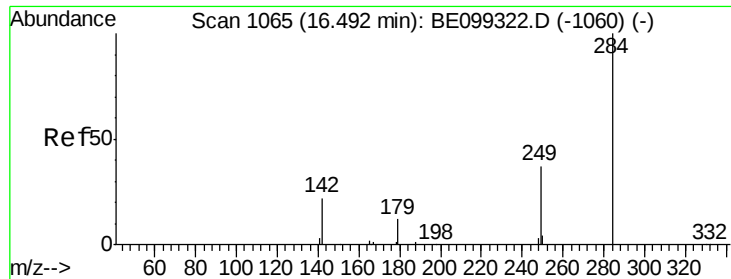


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.391 ng

RT: 16.51 min Scan# 1066

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

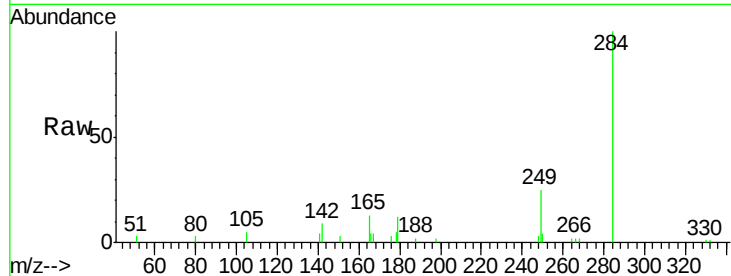
Tot Ion:284 Resp: 5754

Ion Ratio Lower Upper

284 100

142 26.0 21.8 32.6

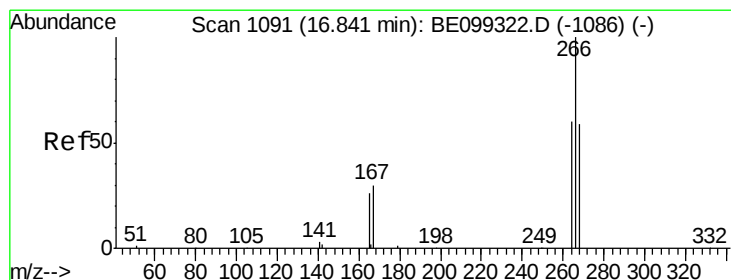
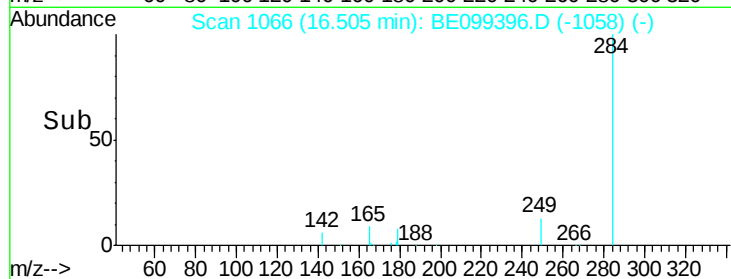
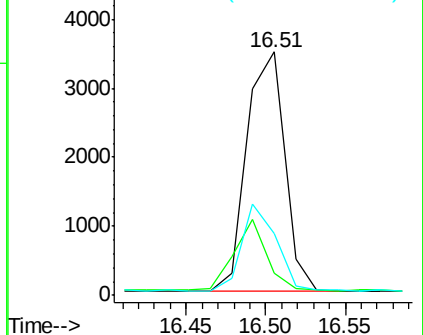
249 33.3 26.2 39.4



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: 1.380 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

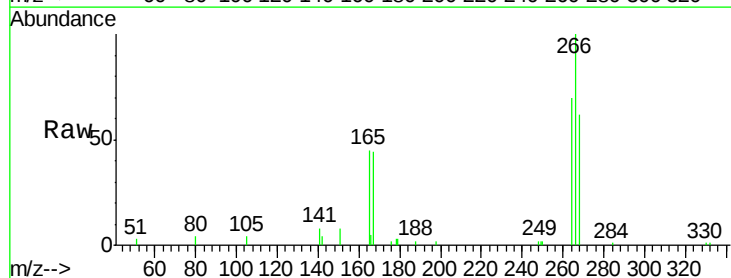
Tgt Ion:266 Resp: 6884

Ion Ratio Lower Upper

266 100

264 70.5 54.5 81.7

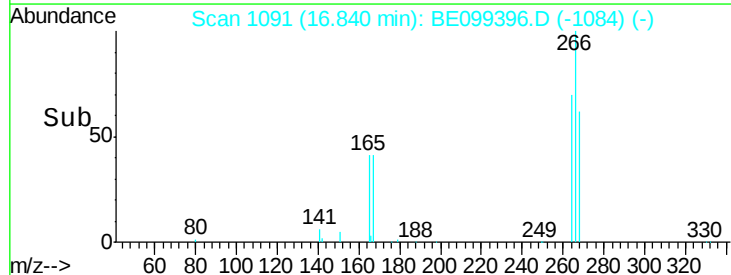
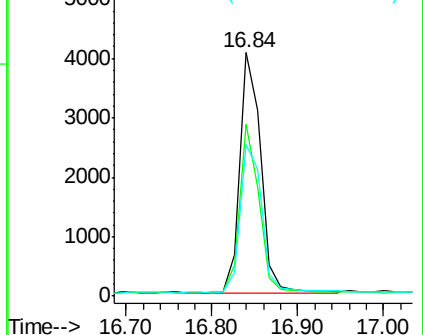
268 62.1 54.3 81.5

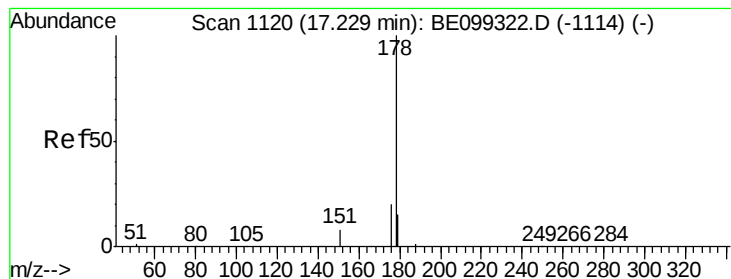


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.061 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

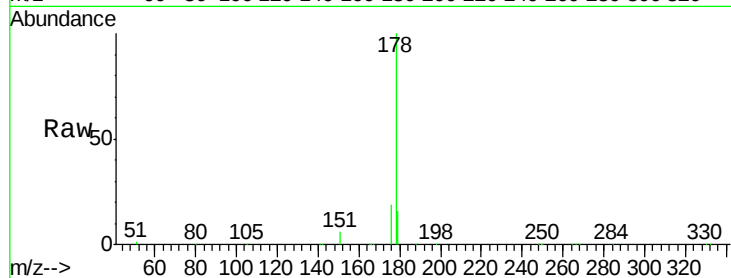
Tot Ion:178 Resp: 77525

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

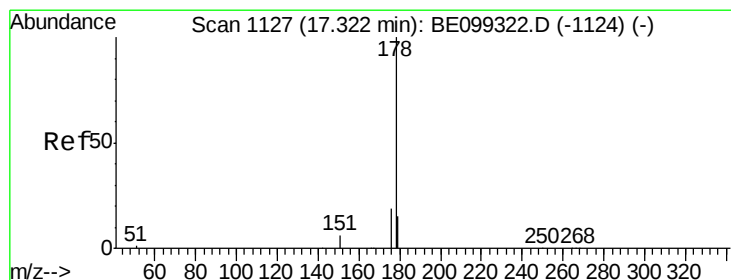
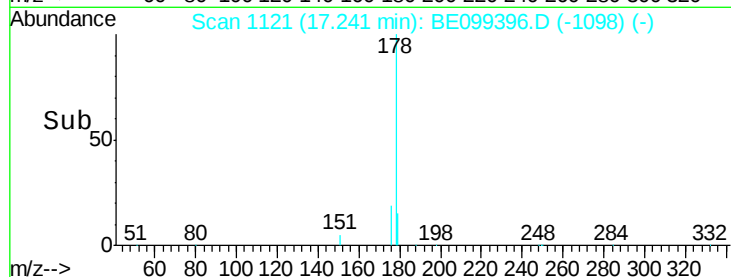
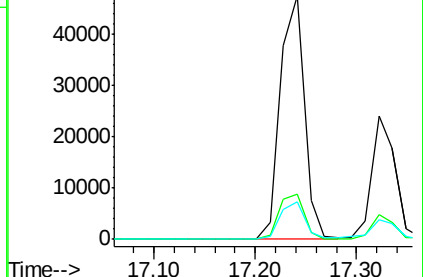
179 15.5 12.4 18.6



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: 0.585 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

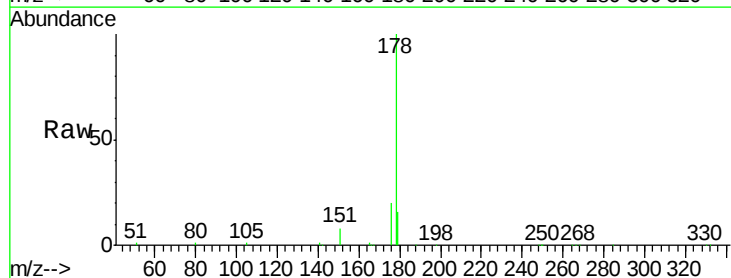
Tgt Ion:178 Resp: 38027

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

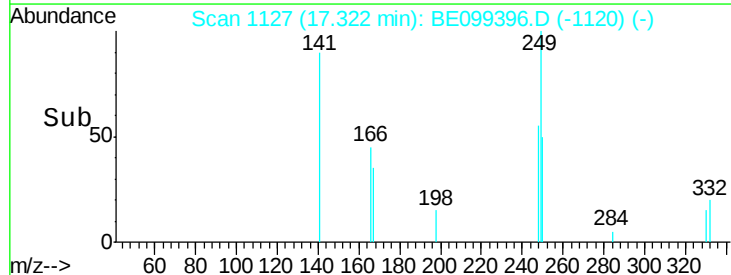
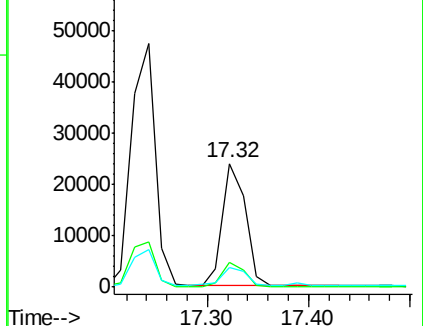
179 16.1 11.9 17.9

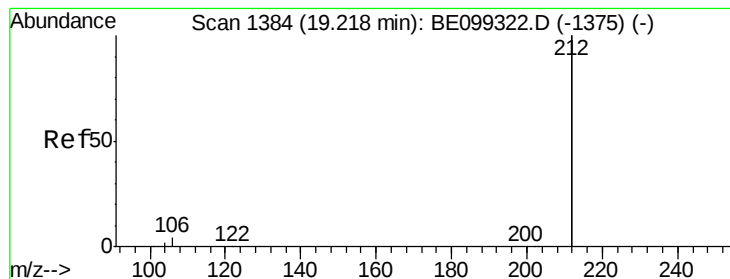


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.363 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

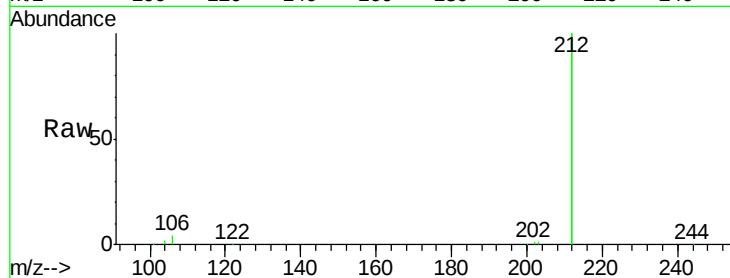
Tot Ion:212 Resp: 120359

Ion Ratio Lower Upper

212 100

106 1.8 1.8 2.6

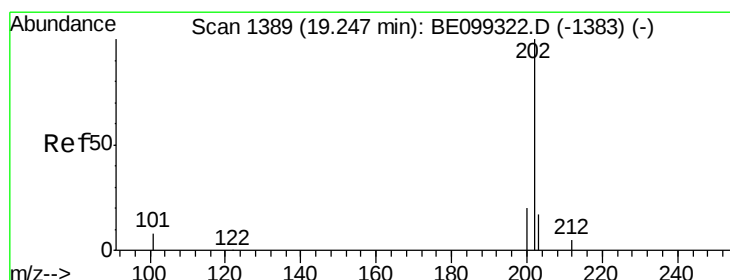
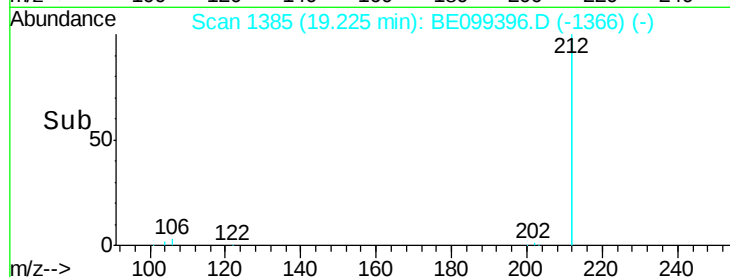
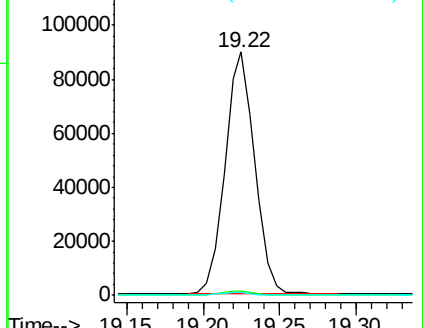
104 1.1 1.0 1.4



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: 1.517 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

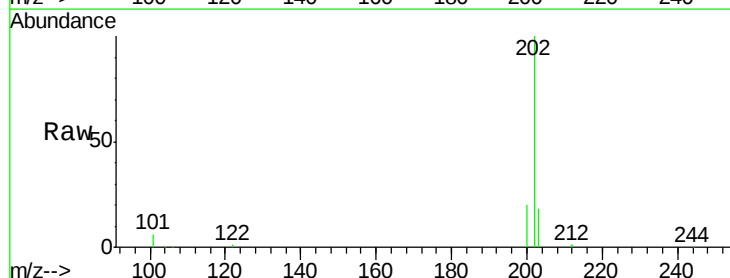
Tgt Ion:202 Resp: 148370

Ion Ratio Lower Upper

202 100

101 6.4 6.4 9.6

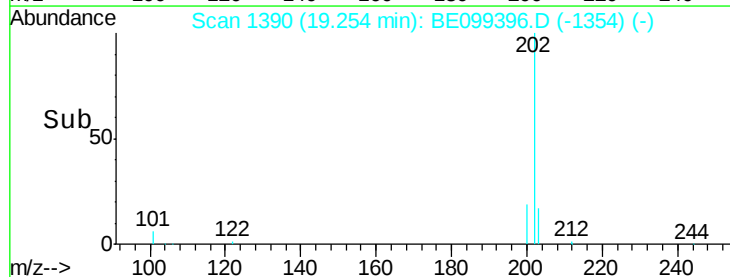
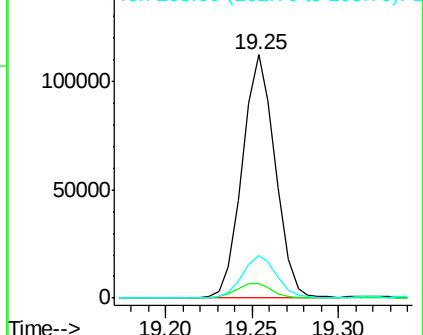
203 17.5 13.5 20.3

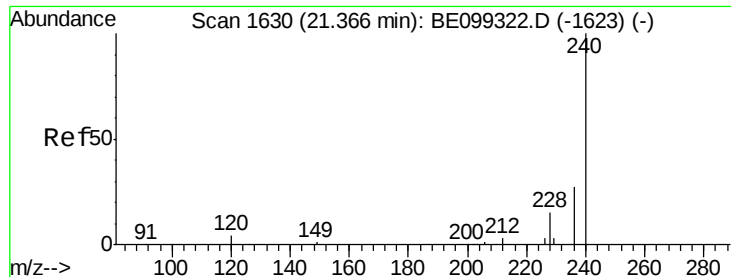


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

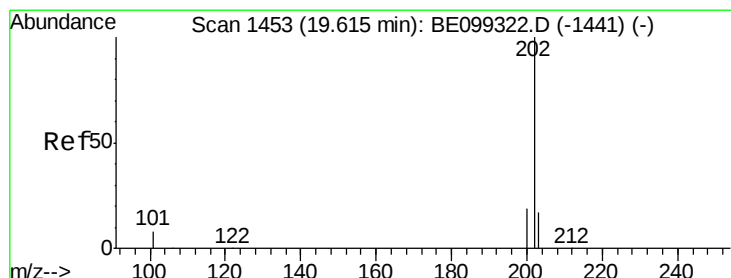
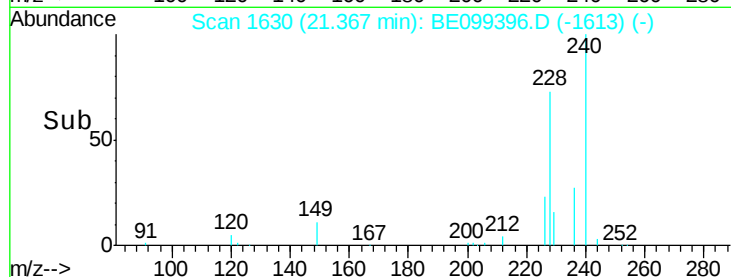
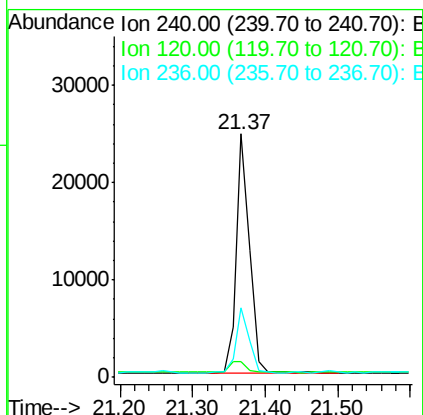
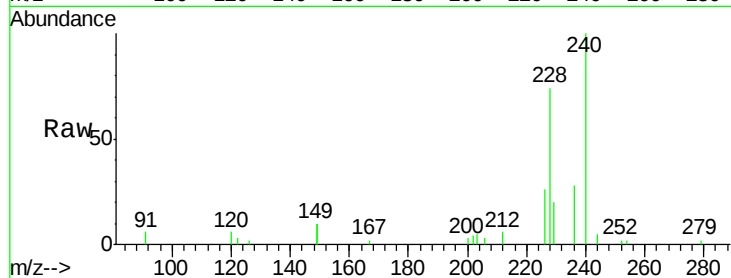
Tot Ion:240 Resp: 31892

Ion Ratio Lower Upper

240 100

120 6.4 2.2 3.2#

236 28.4 20.2 30.4



#28

Pyrene

Concen: 1.533 ng

RT: 19.62 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

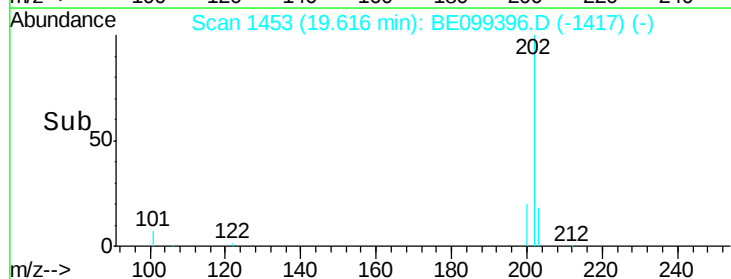
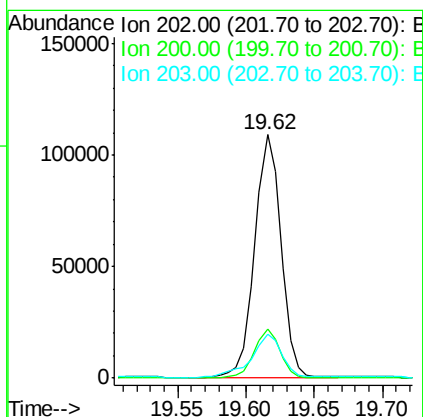
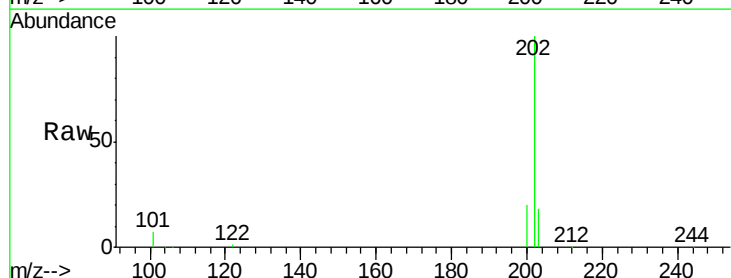
Tgt Ion:202 Resp: 144026

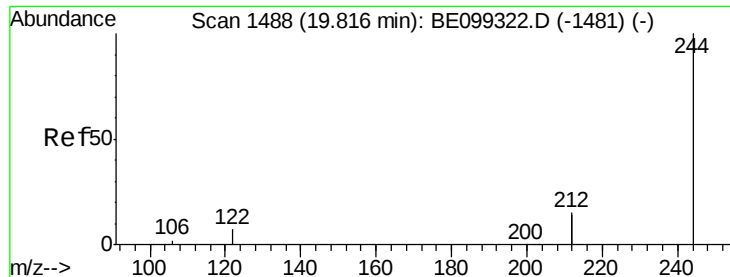
Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

203 20.5 13.7 20.5#





#29

Terphenyl-d14

Concen: 0.335 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

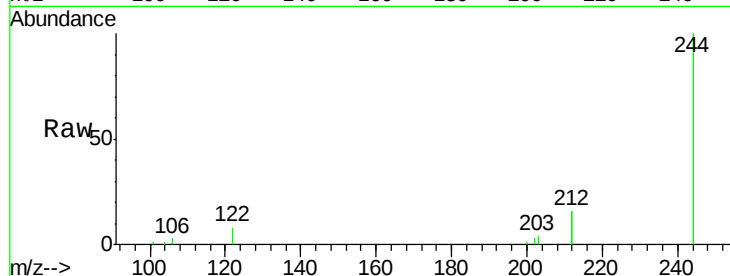
Tot Ion:244 Resp: 21013

Ion Ratio Lower Upper

244 100

212 32.5 22.6 33.8

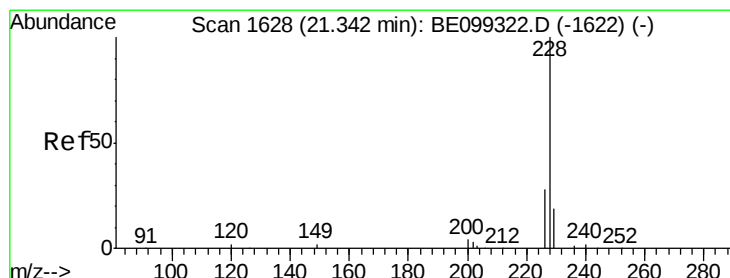
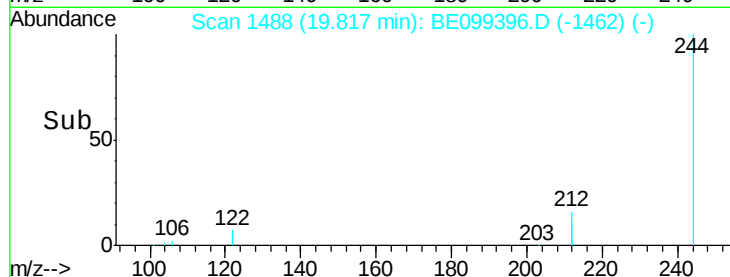
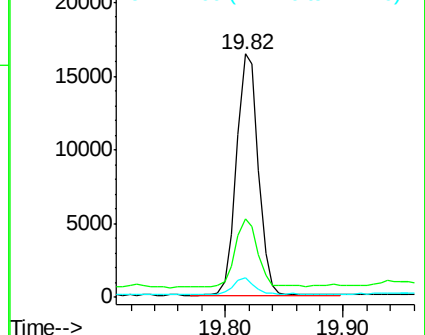
122 7.9 4.6 7.0#



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: 1.147 ng

RT: 21.36 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

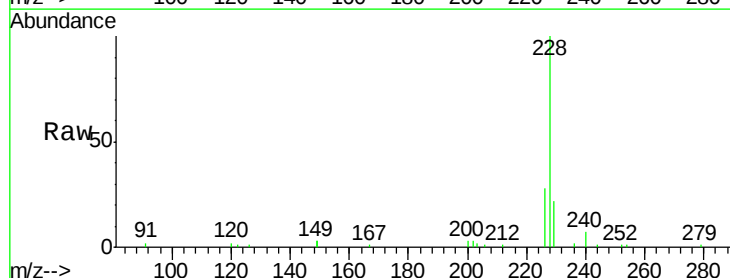
Tgt Ion:228 Resp: 107549

Ion Ratio Lower Upper

228 100

226 27.6 22.0 33.0

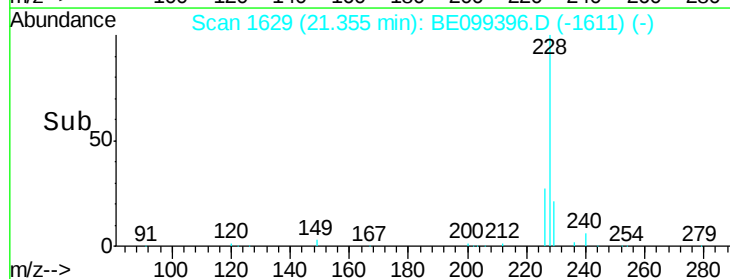
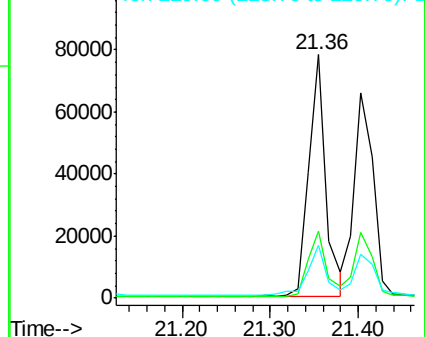
229 21.7 15.8 23.8

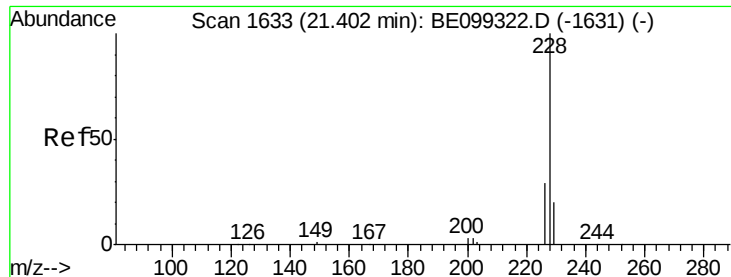


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.985 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

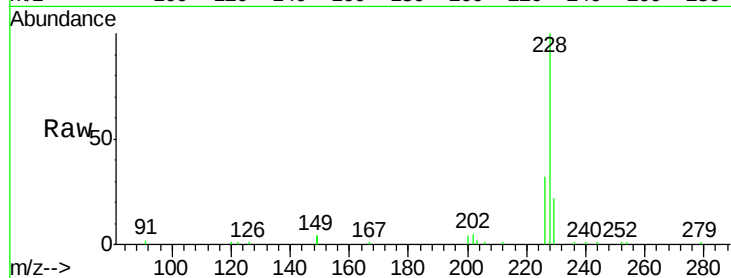
Tot Ion:228 Resp: 98296

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.2

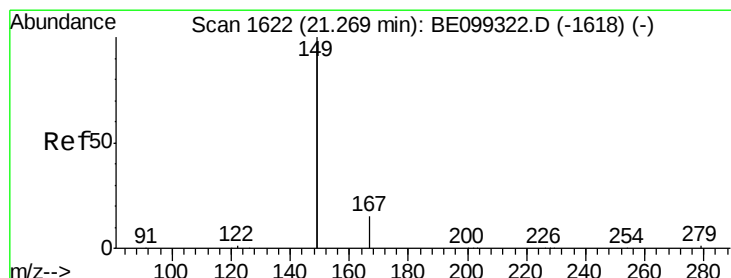
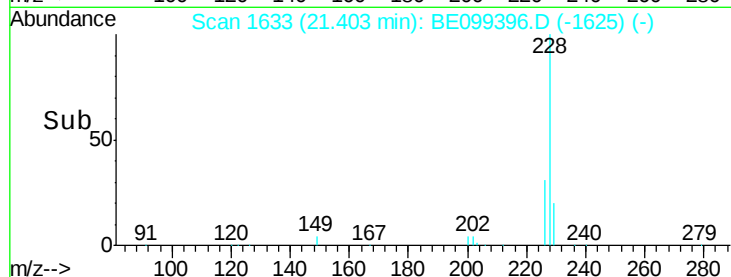
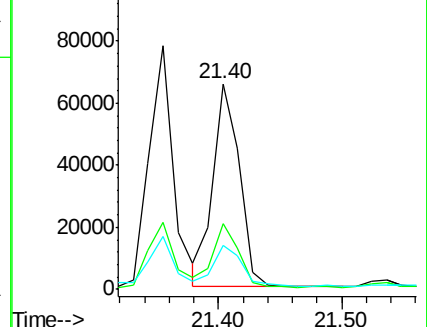
229 21.5 16.2 24.2



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: 0.959 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

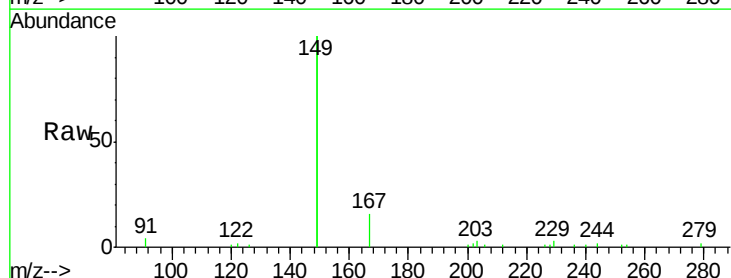
Tgt Ion:149 Resp: 81834

Ion Ratio Lower Upper

149 100

167 7.5 6.0 9.0

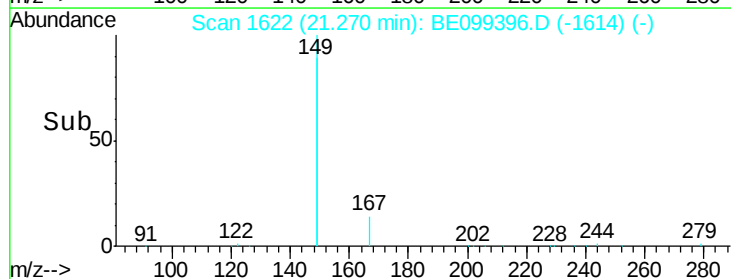
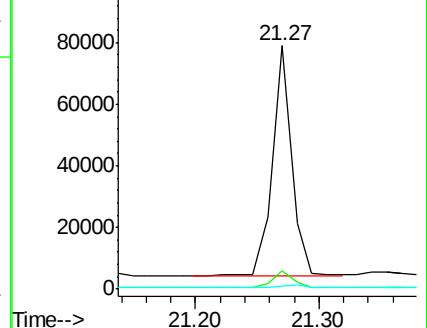
279 1.6 1.1 1.7

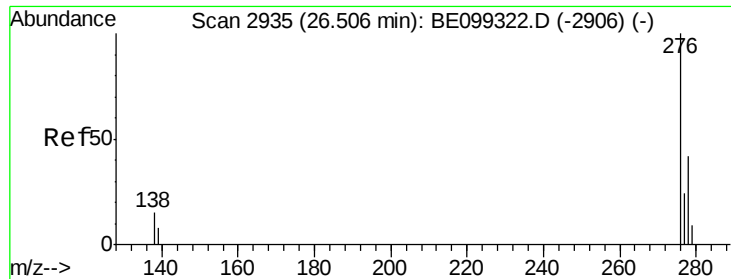


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

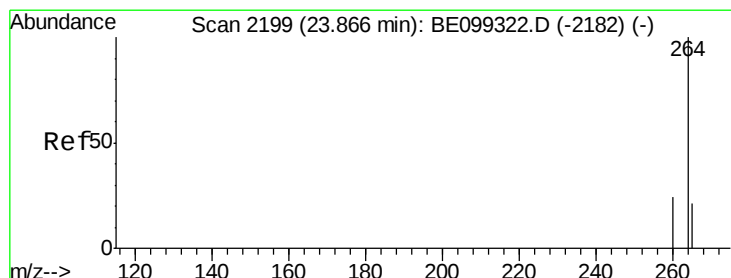
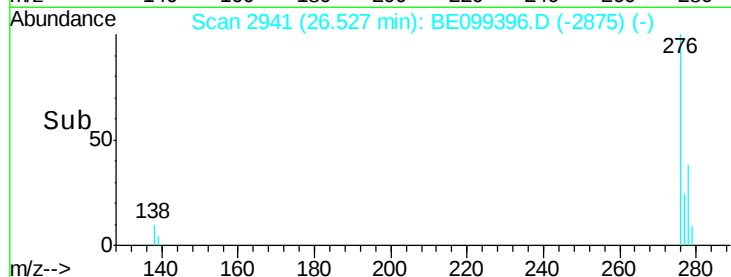
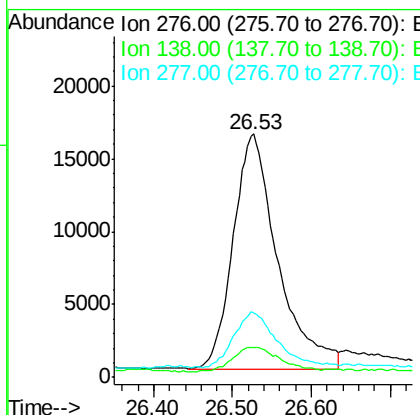
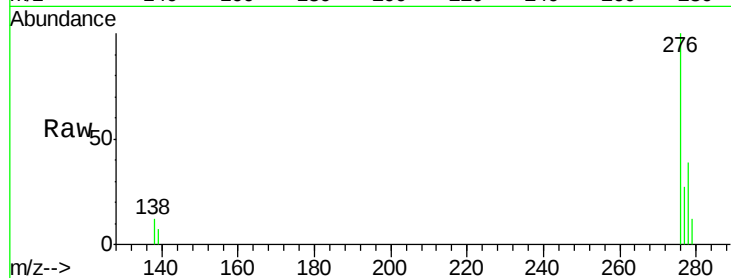




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.638 ng
RT: 26.53 min Scan# 2941
Delta R.T. 0.03 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

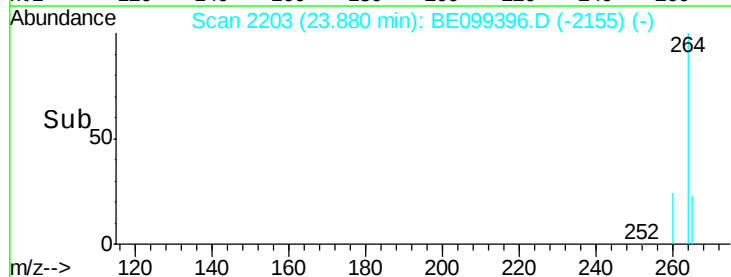
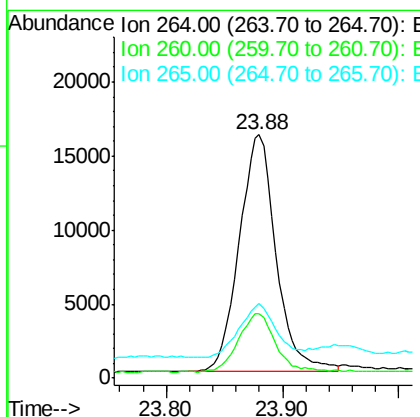
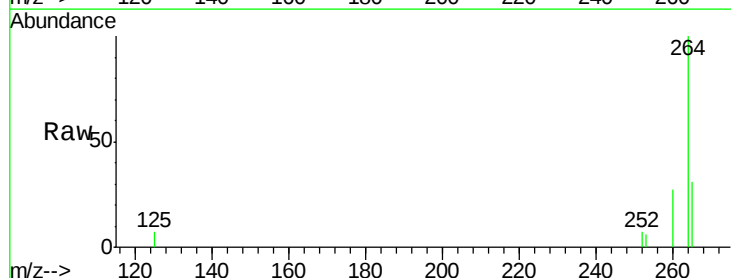
Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

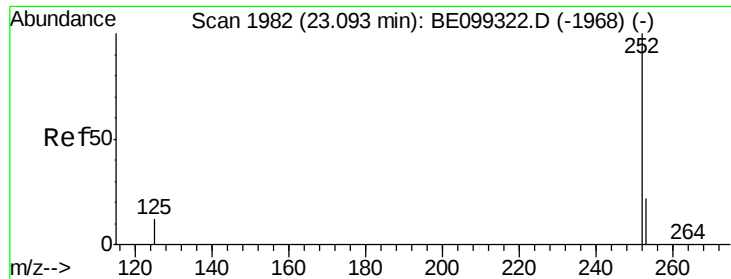
Tot Ion:276 Resp: 62895
Ion Ratio Lower Upper
276 100
138 11.4 12.7 19.1#
277 22.6 19.6 29.4



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2203
Delta R.T. 0.02 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:264 Resp: 35476
Ion Ratio Lower Upper
264 100
260 26.6 20.1 30.1
265 30.6 19.9 29.9#





#35

Benzo(b)fluoranthene

Concen: 0.945 ng

RT: 23.10 min Scan# 1985

Delta R.T. 0.02 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

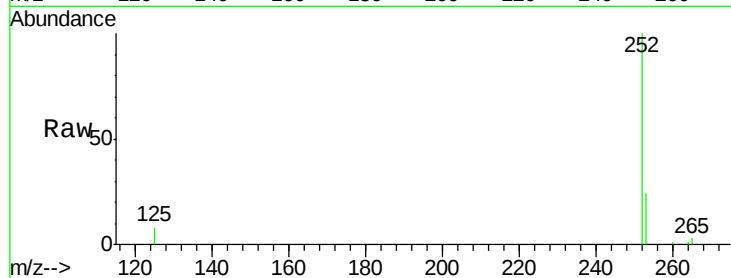
Tot Ion:252 Resp: 102585

Ion Ratio Lower Upper

252 100

253 24.1 17.3 25.9

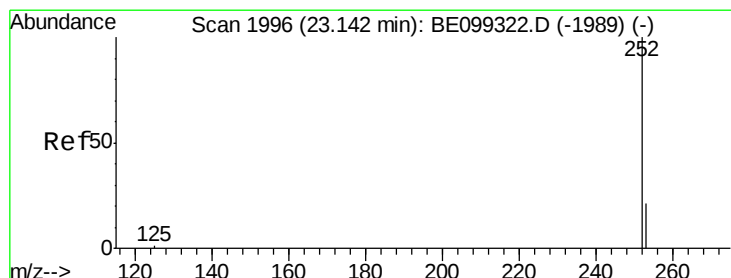
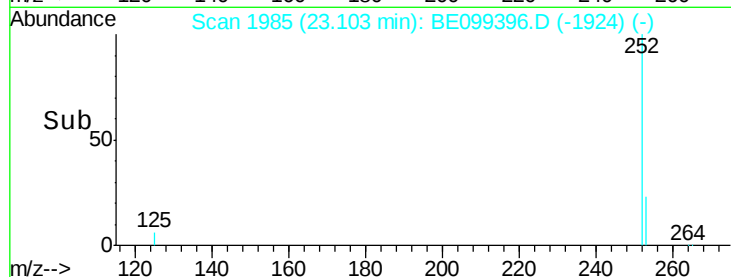
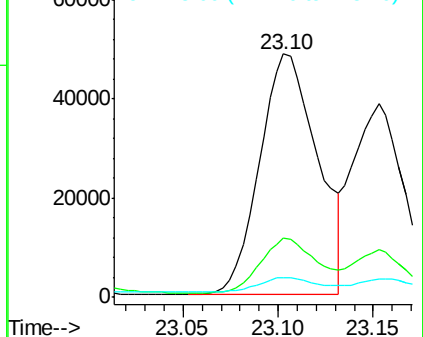
125 7.8 5.8 8.6



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: 0.947 ng

RT: 23.10 min Scan# 1985

Delta R.T. -0.03 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

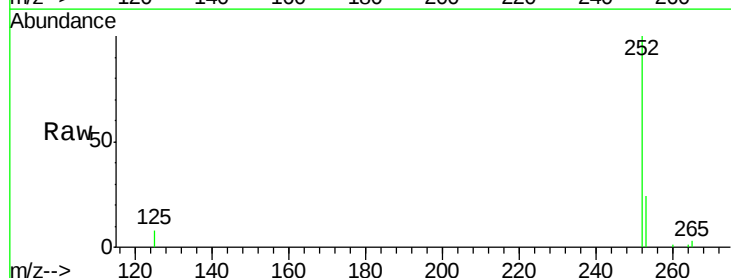
Tgt Ion:252 Resp: 102585

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

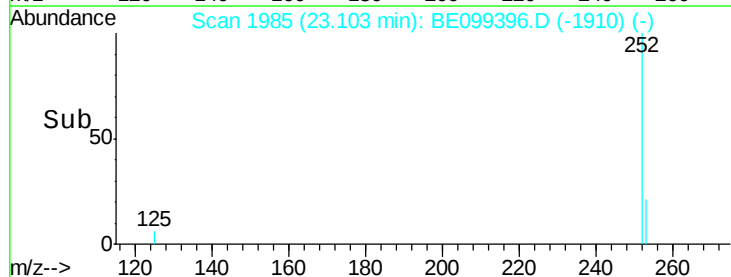
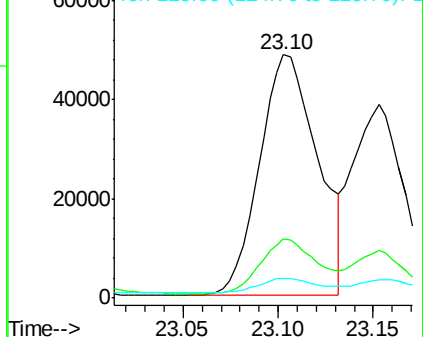
125 7.8 5.4 8.0

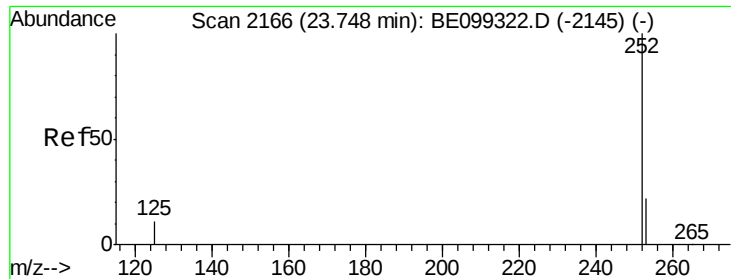


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.873 ng

RT: 23.76 min Scan# 2170

Delta R.T. 0.02 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

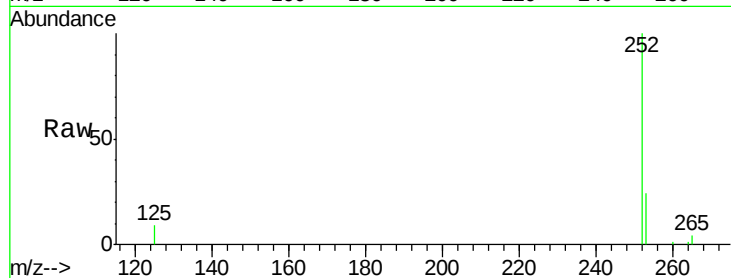
Tot Ion:252 Resp: 84972

Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

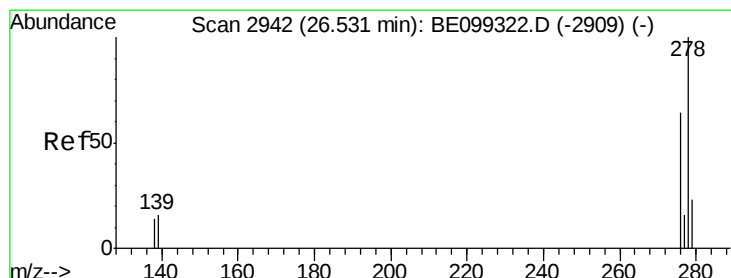
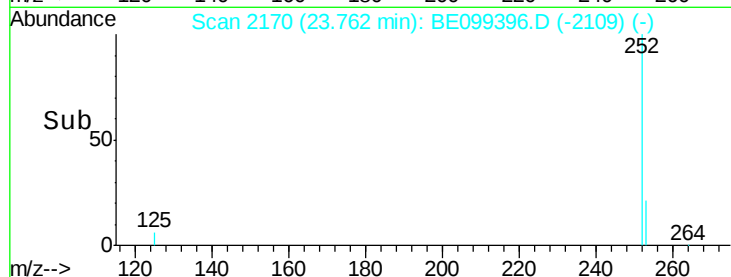
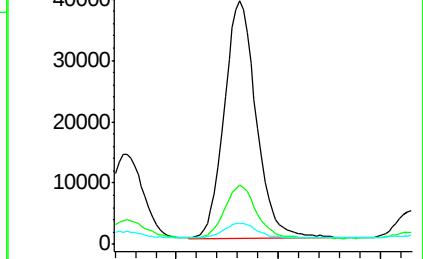
125 8.7 6.5 9.7



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: 0.380 ng

RT: 26.55 min Scan# 2948

Delta R.T. 0.03 min

Lab File: BE099396.D

Acq: 27 Apr 2019 2:32

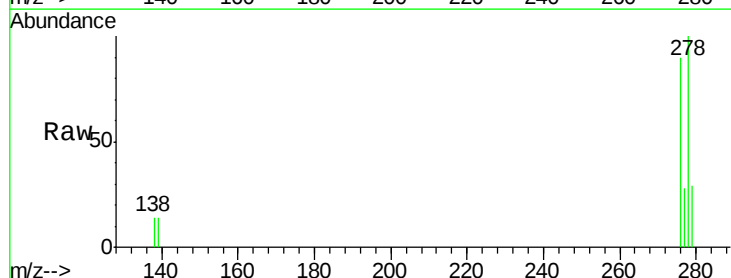
Tgt Ion:278 Resp: 37796

Ion Ratio Lower Upper

278 100

139 13.7 8.5 12.7#

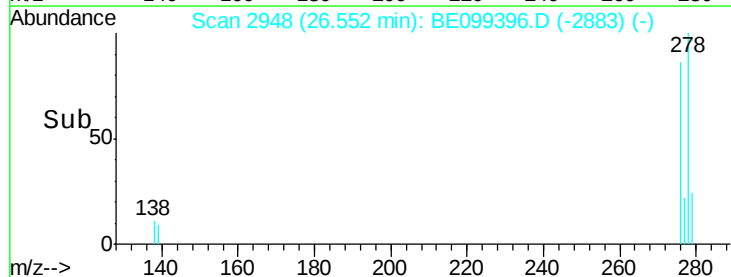
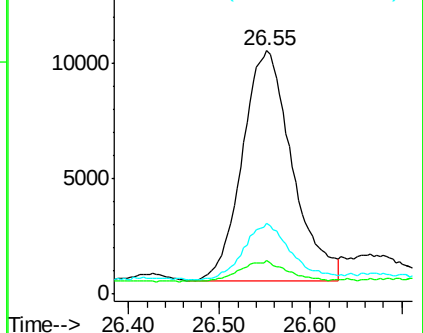
279 28.9 19.8 29.8

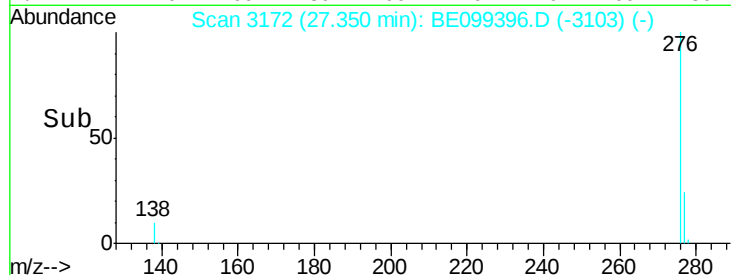
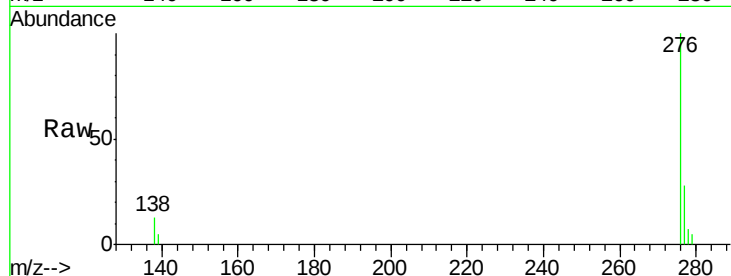
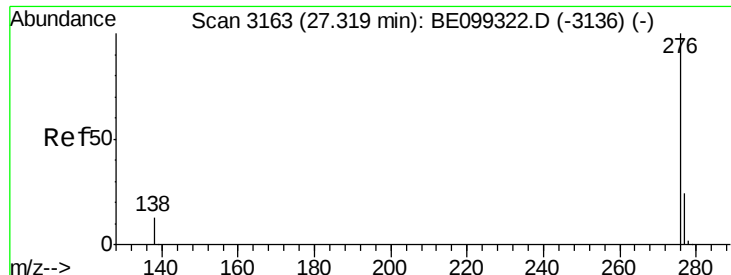


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.476 ng
 RT: 27.35 min Scan# 3172
 Delta R.T. 0.05 min
 Lab File: BE099396.D
 Acq: 27 Apr 2019 2:32

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219MS

Tot Ion:	276	Resp:	48048
Ion Ratio	Lower	Upper	
276	100		
277	27.6	20.0	30.0
138	12.6	11.1	16.7

