

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099515.D
 Acq On : 3 May 2019 4:56
 Operator : JU/SJ
 Sample : K2587-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW023-042319

Quant Time: May 03 07:50:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2424	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8608	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6404	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19690	0.40	ng	0.00
27) Chrysene-d12	21.37	240	25914	0.40	ng	0.00
34) Perylene-d12	23.87	264	29754	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1584	0.24	ng	0.00
5) Phenol-d6	6.97	99	2177	0.24	ng	0.00
8) Nitrobenzene-d5	8.96	82	1748	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	3255	0.21	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1032	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	4787	0.20	ng	-0.01
25) Fluoranthene-d10	19.22	212	53254	0.20	ng	0.00
29) Terphenyl-d14	19.82	244	11746	0.25	ng	0.00

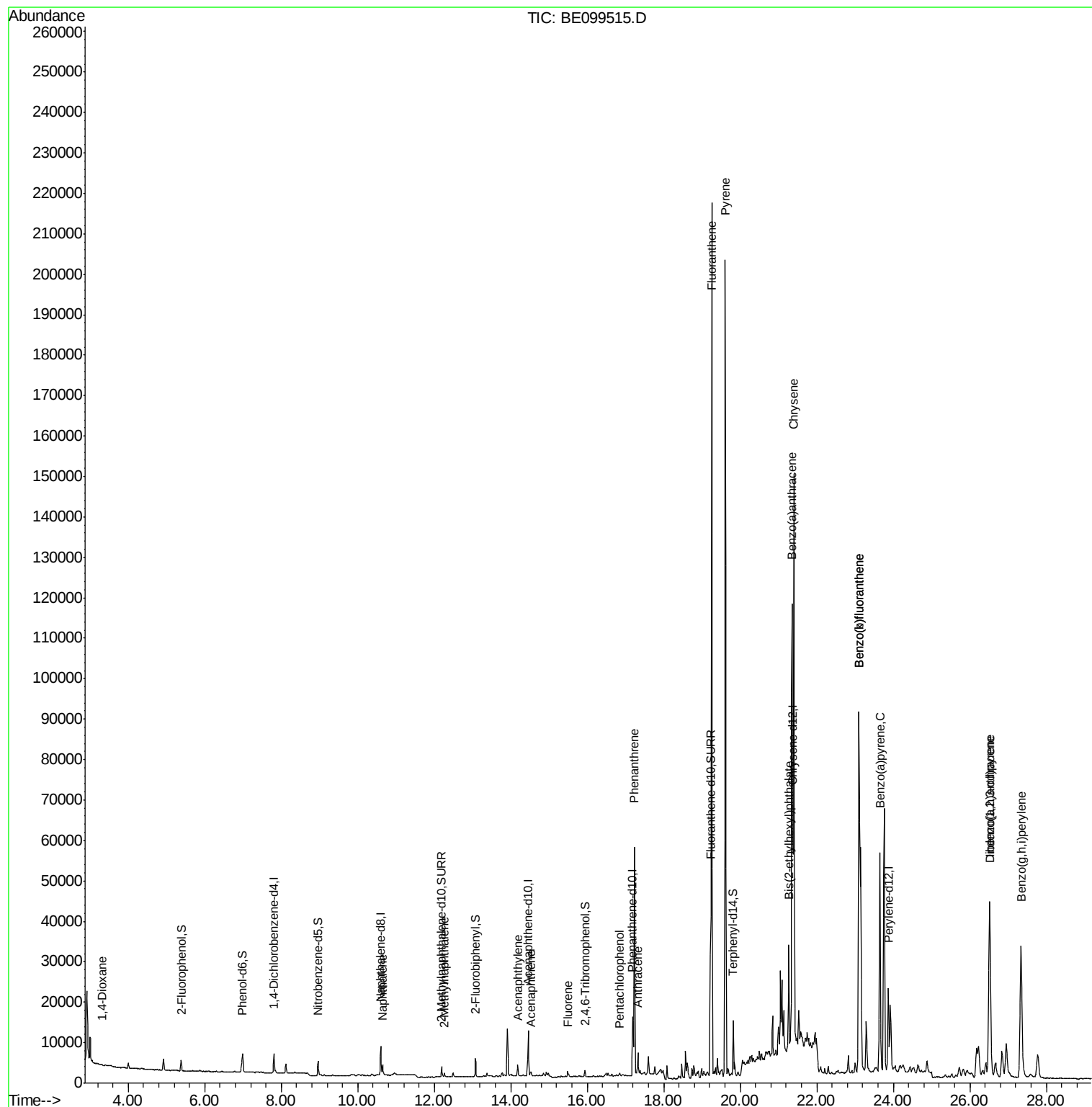
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	93	0.028	ng	# 27
9) Naphthalene	10.65	128	4005	0.043	ng	# 95
12) 2-Methylnaphthalene	12.27	142	650	0.040	ng	# 90
16) Acenaphthylene	14.18	152	4186	0.134	ng	# 98
17) Acenaphthene	14.51	154	541	0.030	ng	# 89
18) Fluorene	15.49	166	1211	0.046	ng	# 89
22) Pentachlorophenol	16.84	266	78	0.228	ng	# 81
23) Phenanthrene	17.23	178	57844	1.138	ng	# 100
24) Anthracene	17.32	178	5355	0.111	ng	# 93
26) Fluoranthene	19.25	202	206082	2.708	ng	# 100
28) Pyrene	19.61	202	193050	2.858	ng	# 96
30) Benzo(a)anthracene	21.35	228	102444	1.241	ng	# 96
31) Chrysene	21.40	228	137268	1.699	ng	# 98
32) Bis(2-ethylhexyl)phthalate	21.27	149	29571	0.182	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.52	276	87523	0.917	ng	# 97
35) Benzo(b)fluoranthene	23.10	252	168209	1.961	ng	# 99
36) Benzo(k)fluoranthene	23.10	252	168209	2.033	ng	# 99
37) Benzo(a)pyrene	23.65	252	86084	1.061	ng	# 98
38) Dibenzo(a,h)anthracene	26.53	278	21303	0.257	ng	# 94
39) Benzo(g,h,i)perylene	27.34	276	86223	1.037	ng	# 99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

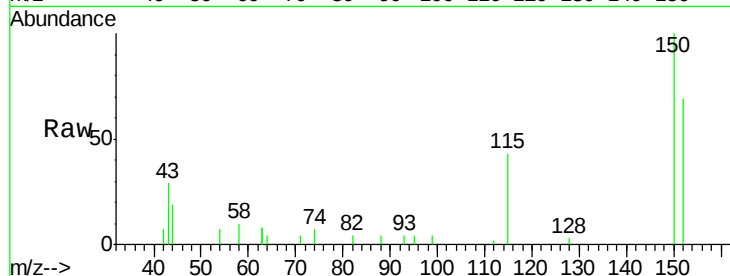
Tot Ion:152 Resp: 2424

Ion Ratio Lower Upper

152 100

150 144.7 104.8 157.2

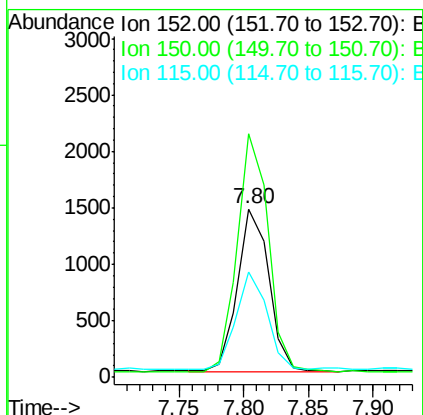
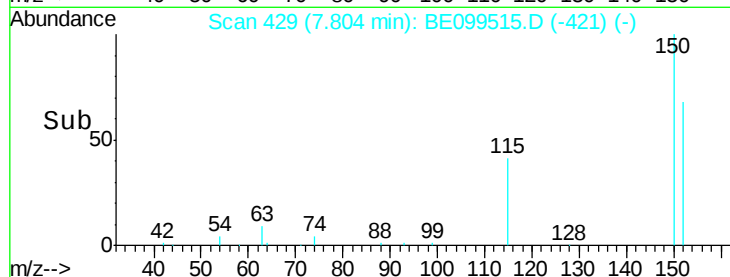
115 62.8 46.6 69.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.028 ng

RT: 3.31 min Scan# 39

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

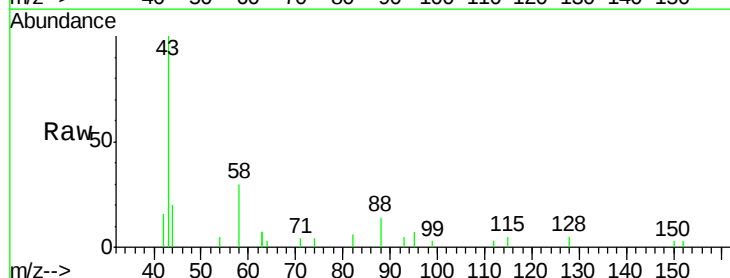
Tgt Ion: 88 Resp: 93

Ion Ratio Lower Upper

88 100

58 0.0 51.0 76.6#

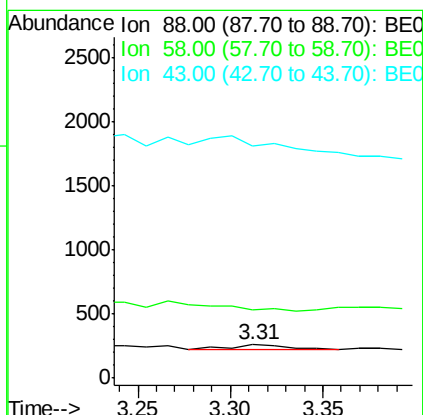
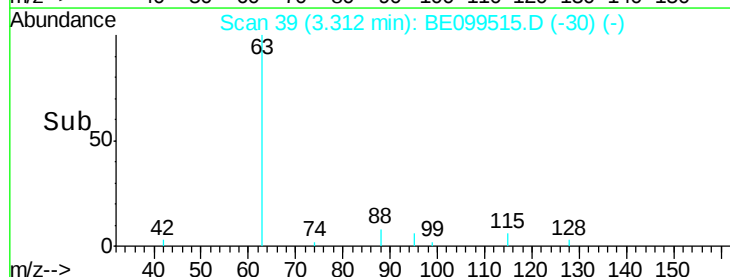
43 0.0 20.6 30.8#

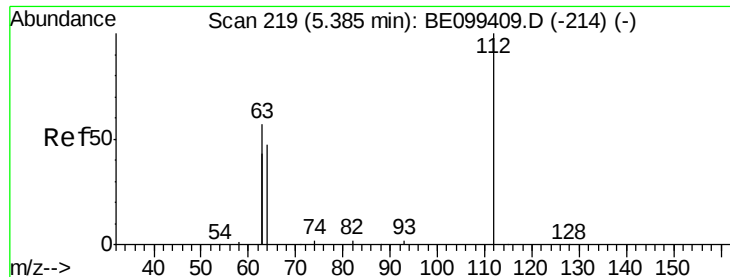


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.236 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

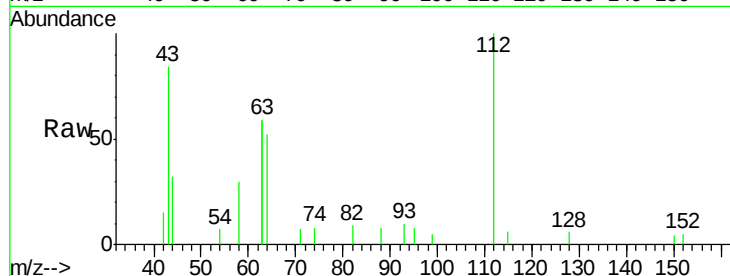
Tot Ion:112 Resp: 1584

Ion Ratio Lower Upper

112 100

64 54.0 47.4 71.0

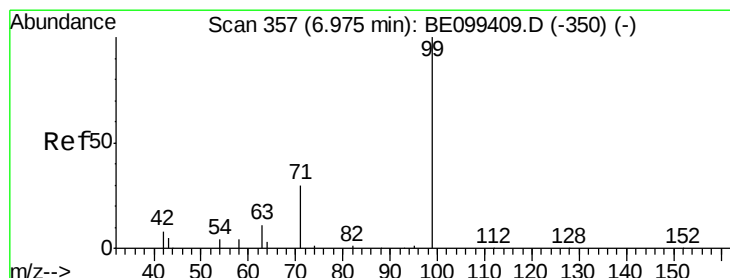
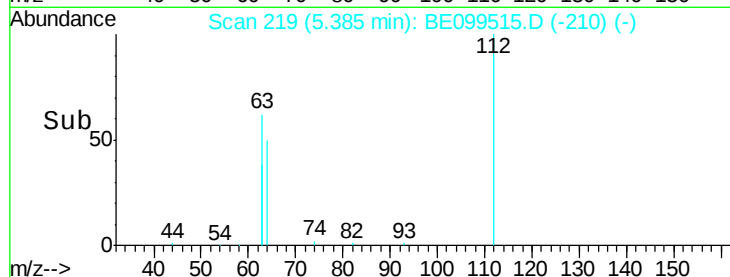
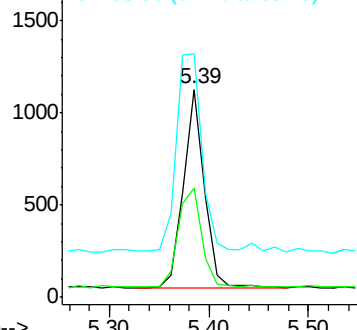
63 118.1 104.3 156.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.244 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

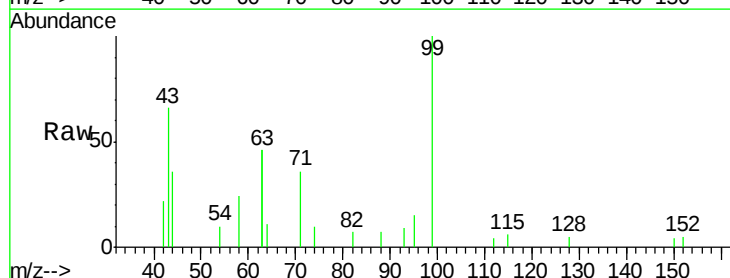
Tgt Ion: 99 Resp: 2177

Ion Ratio Lower Upper

99 100

42 22.6 14.9 22.3#

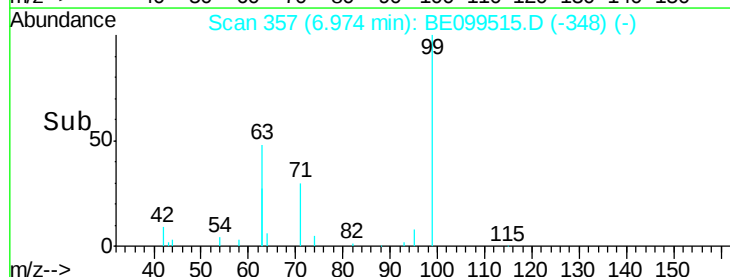
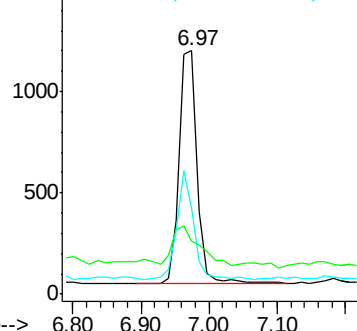
71 43.0 33.0 49.6

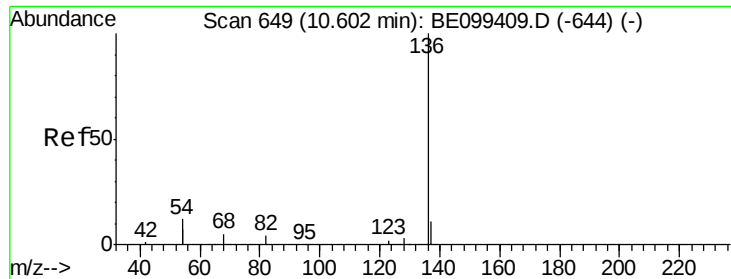


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

Tot Ion:136 Resp: 8608

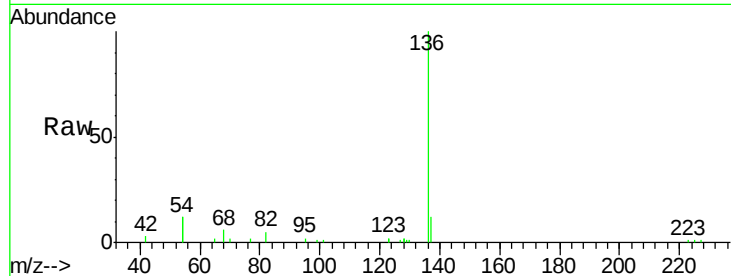
Ion Ratio Lower Upper

136 100

137 11.7 9.8 14.8

54 24.1 18.5 27.7

68 6.1 4.7 7.1

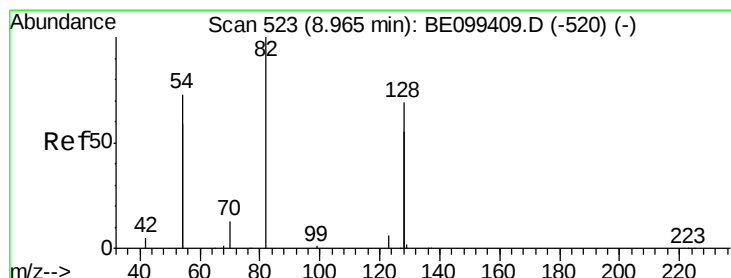
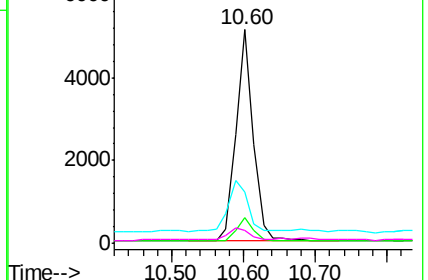
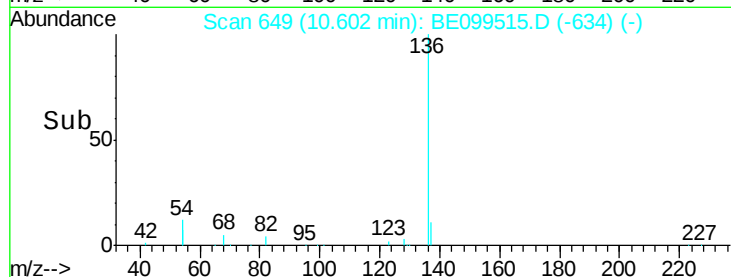


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.217 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

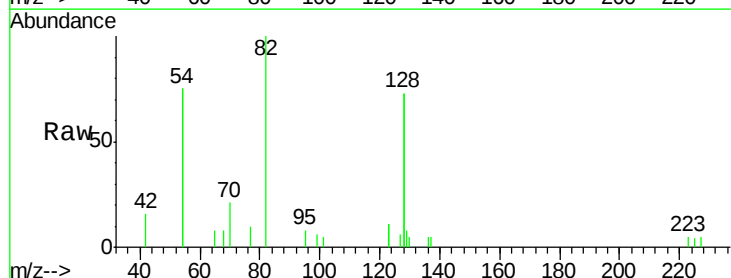
Tgt Ion: 82 Resp: 1748

Ion Ratio Lower Upper

82 100

128 145.6 107.0 160.4

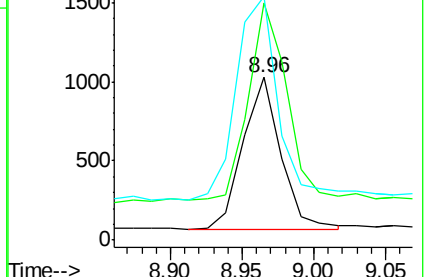
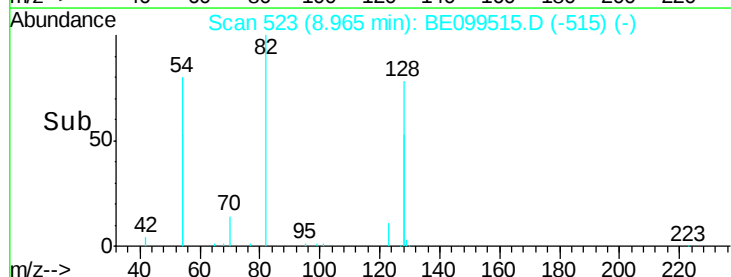
54 149.5 113.1 169.7

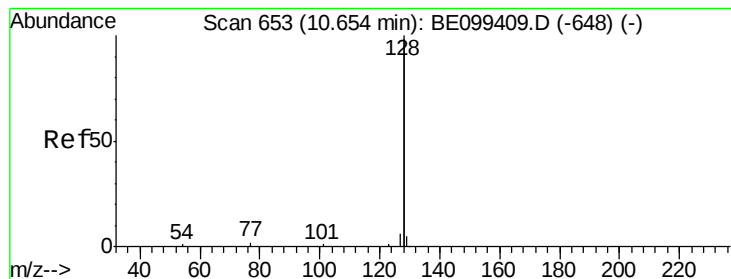


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.043 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

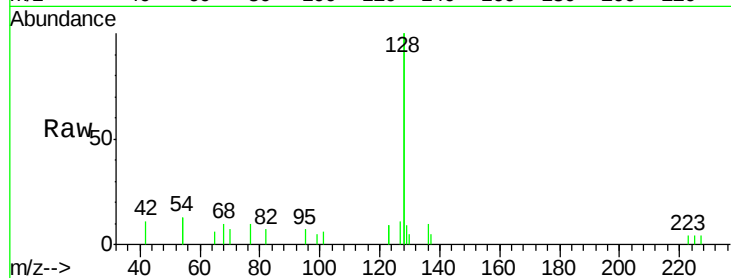
Tot Ion:128 Resp: 4005

Ion Ratio Lower Upper

128 100

129 4.7 2.4 3.6#

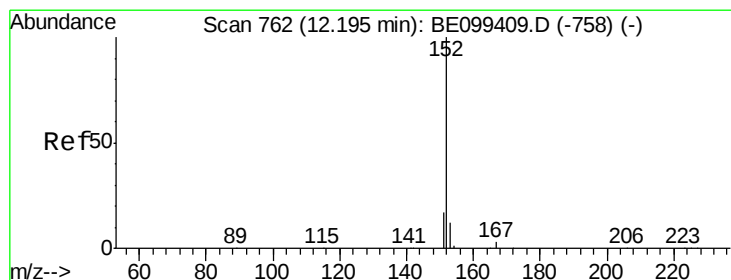
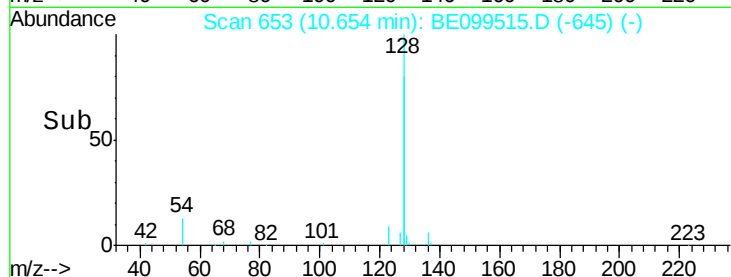
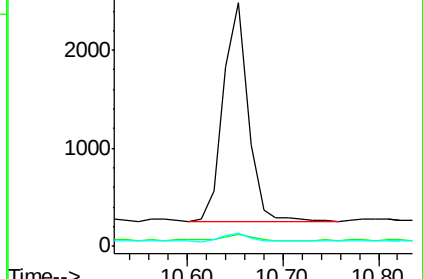
127 5.3 2.8 4.2#



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



#11

2-Methylnaphthalene-d10

Concen: 0.210 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099515.D

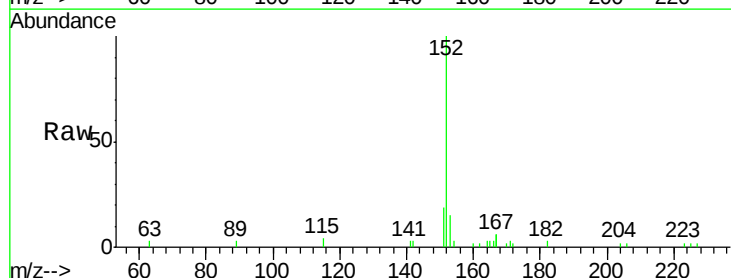
Acq: 3 May 2019 4:56

Tgt Ion:152 Resp: 3255

Ion Ratio Lower Upper

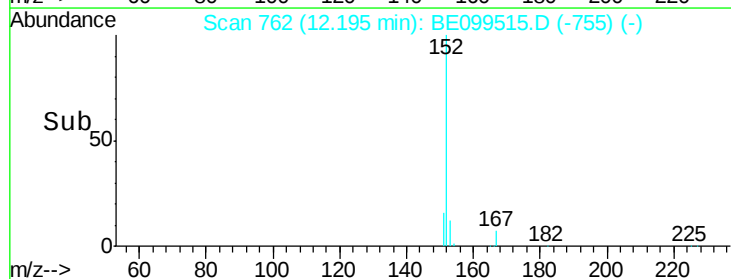
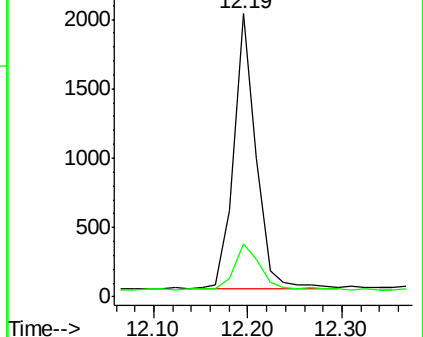
152 100

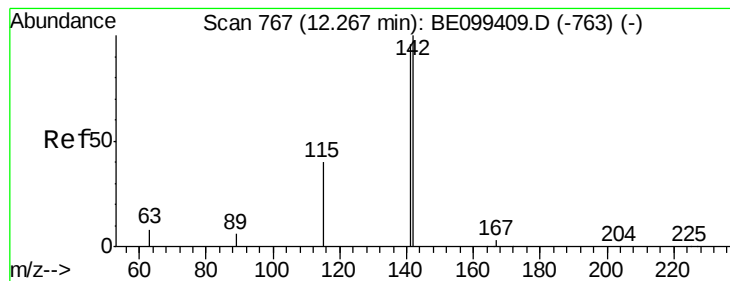
151 20.1 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.040 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

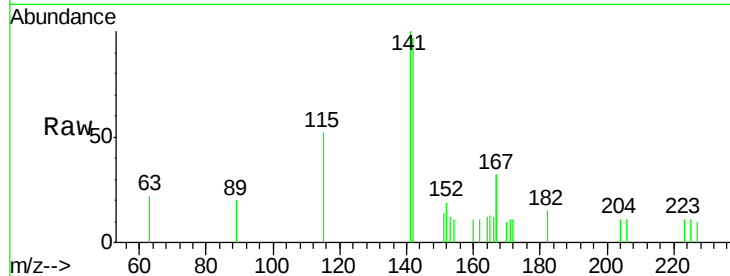
Tot Ion:142 Resp: 650

Ion Ratio Lower Upper

142 100

141 102.7 77.0 115.4

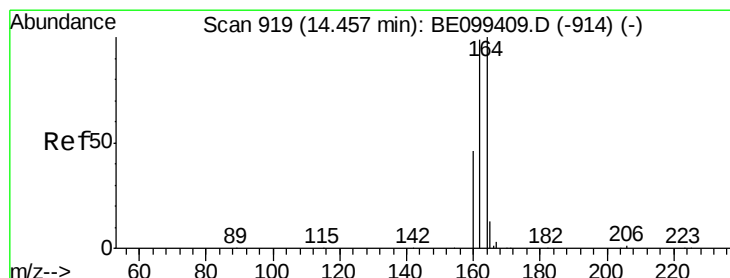
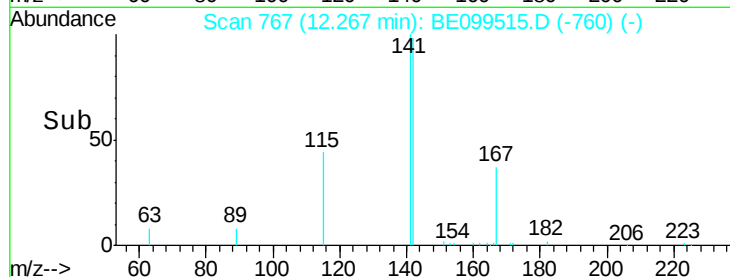
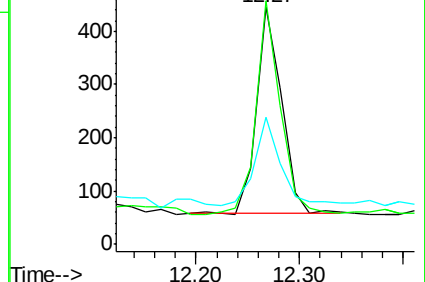
115 53.5 33.4 50.0#



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: BE099515.D

Acq: 3 May 2019 4:56

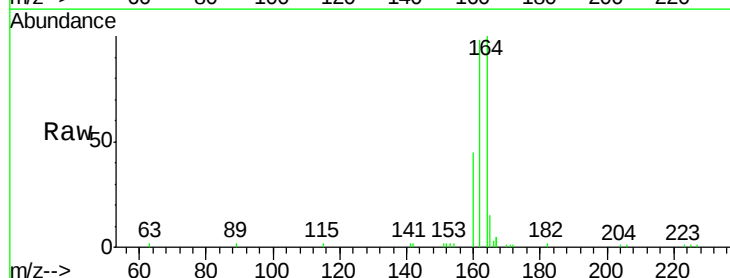
Tgt Ion:164 Resp: 6404

Ion Ratio Lower Upper

164 100

162 98.0 79.0 118.4

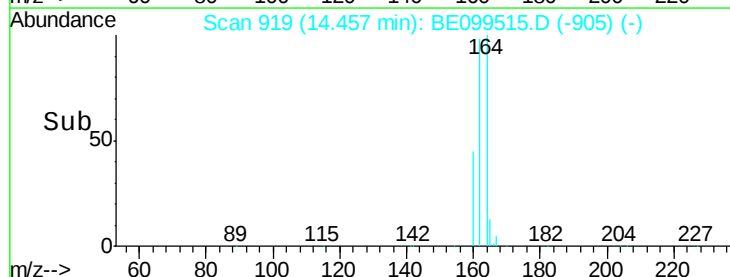
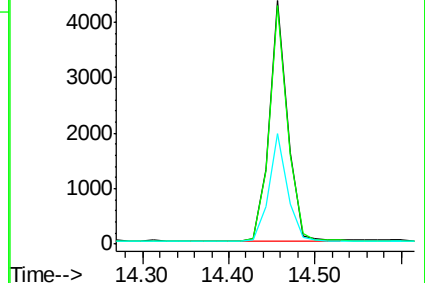
160 45.4 37.0 55.4

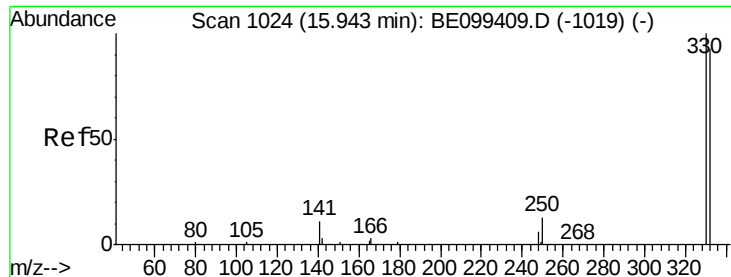


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

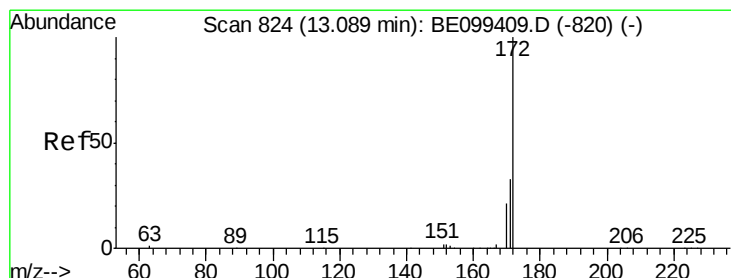
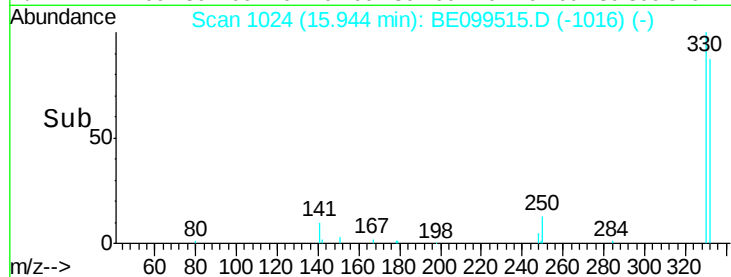
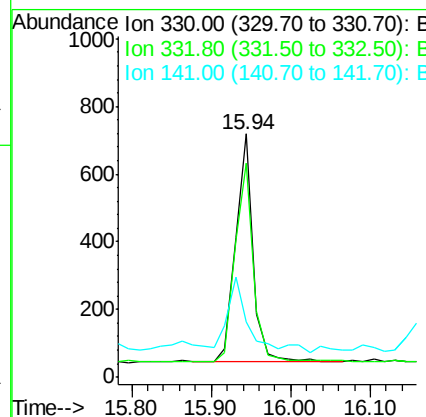
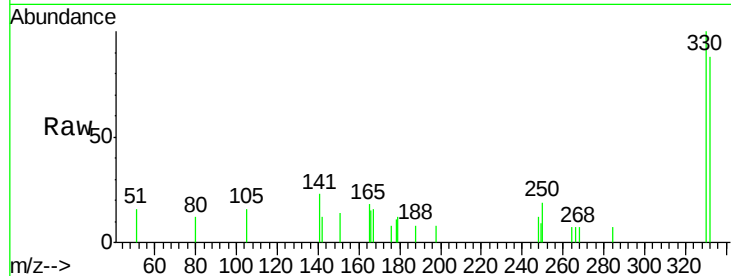




#14
 2,4,6-Tribromophenol
 Concen: 0.256 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099515.D
 Acq: 3 May 2019 4:56

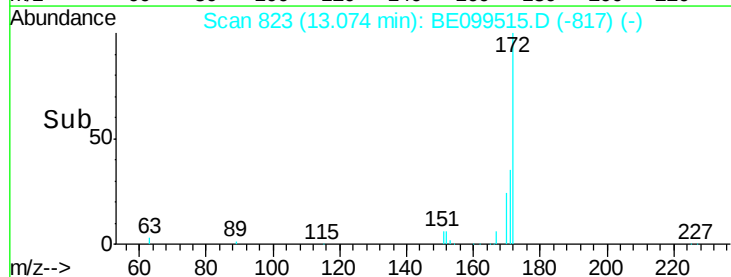
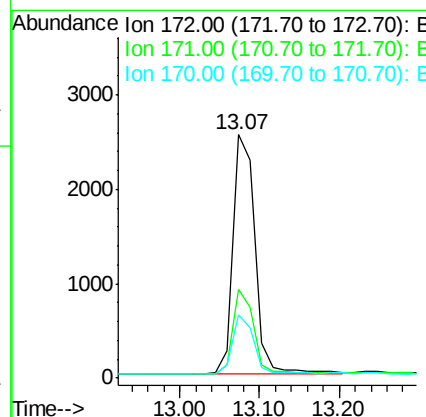
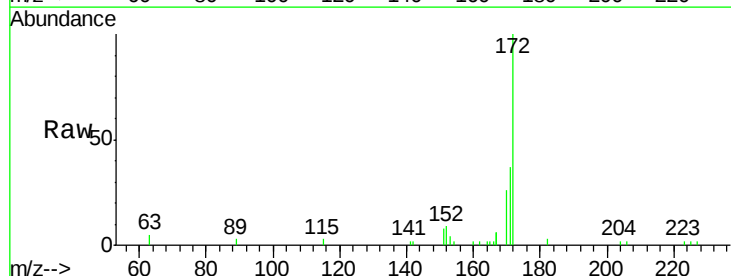
Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW023-042319

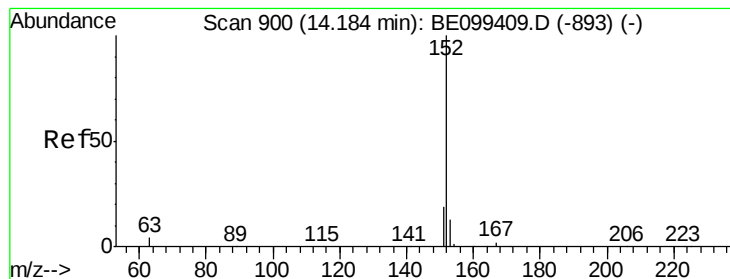
Tot Ion:330 Resp: 1032
 Ion Ratio Lower Upper
 330 100
 332 91.8 71.5 107.3
 141 41.4 24.0 36.0#



#15
 2-Fluorobiphenyl
 Concen: 0.196 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BE099515.D
 Acq: 3 May 2019 4:56

Tgt Ion:172 Resp: 4787
 Ion Ratio Lower Upper
 172 100
 171 36.6 26.6 39.8
 170 25.7 17.0 25.6#





#16

Acenaphthylene

Concen: 0.134 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

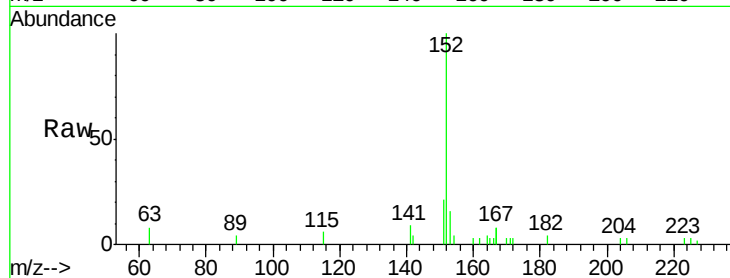
Tot Ion:152 Resp: 4186

Ion Ratio Lower Upper

152 100

151 20.4 15.4 23.2

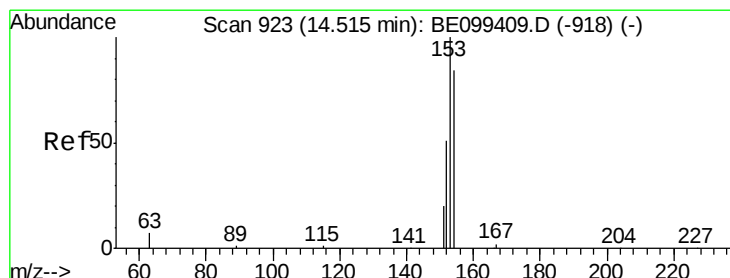
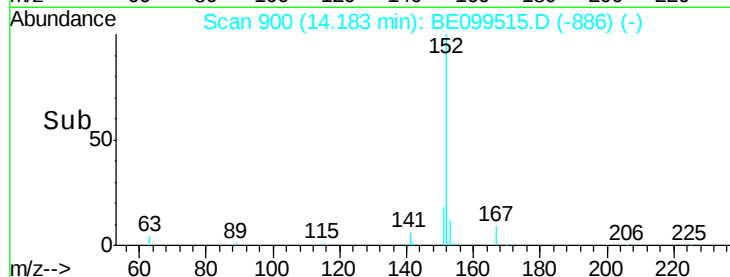
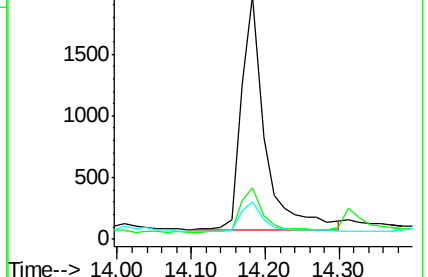
153 13.0 9.8 14.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.030 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

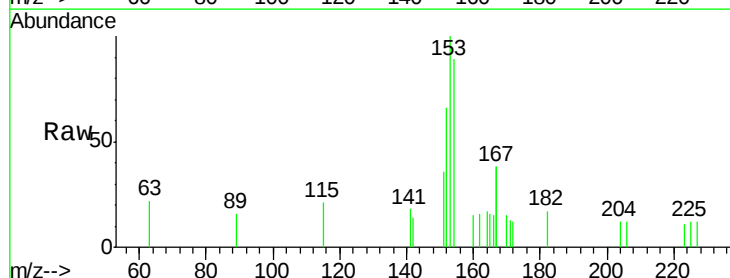
Tgt Ion:154 Resp: 541

Ion Ratio Lower Upper

154 100

153 124.8 92.6 138.8

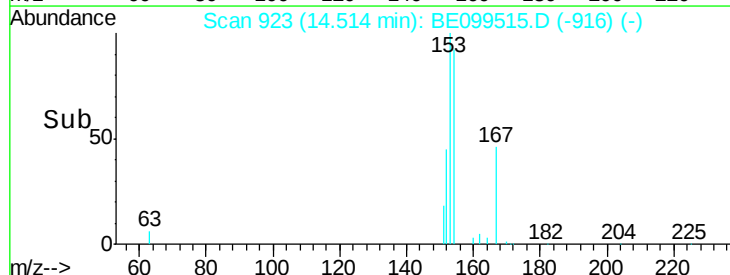
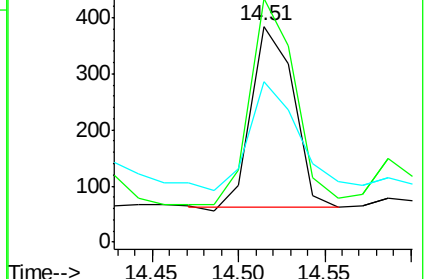
152 69.3 45.8 68.8#

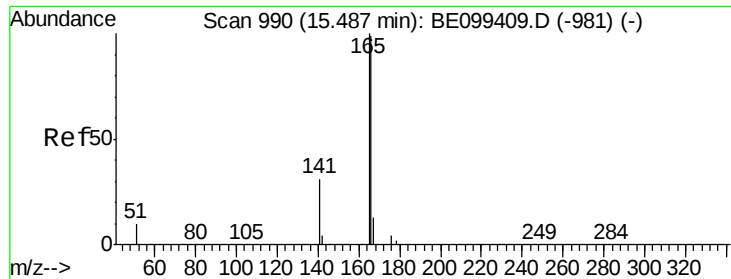


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.046 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

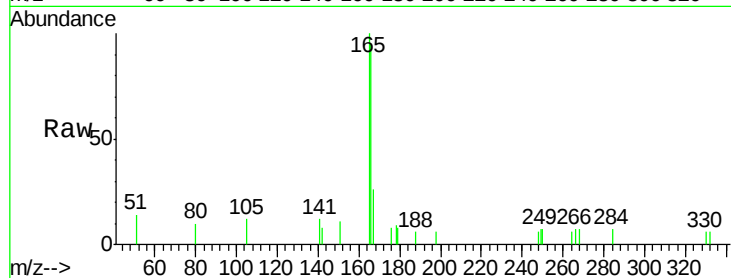
Tot Ion:166 Resp: 1211

Ion Ratio Lower Upper

166 100

165 109.7 80.3 120.5

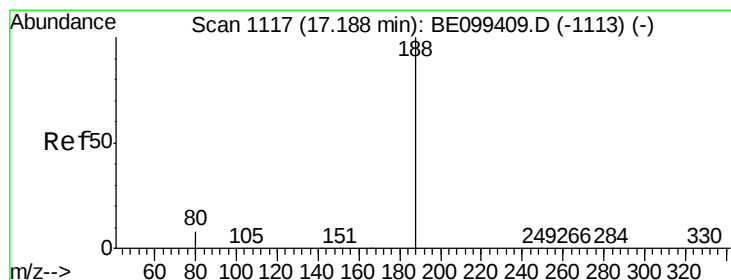
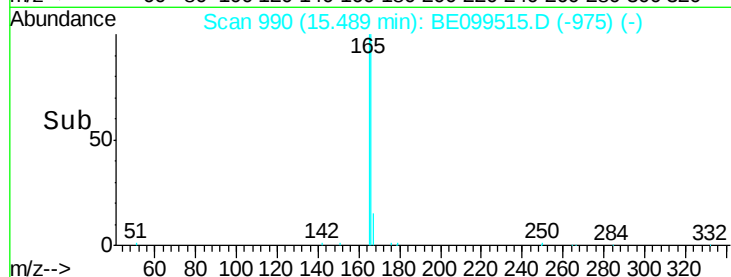
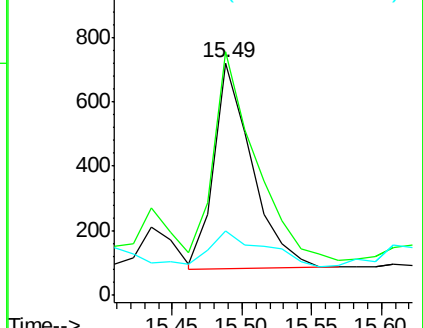
167 23.5 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

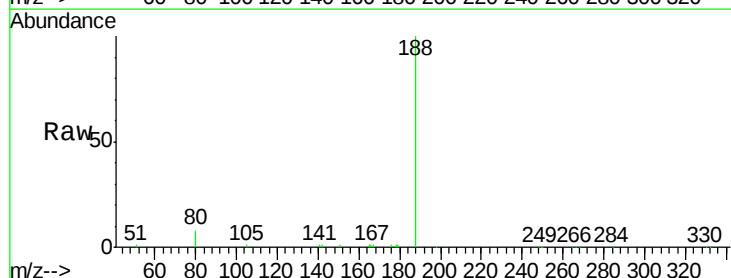
Tgt Ion:188 Resp: 19690

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

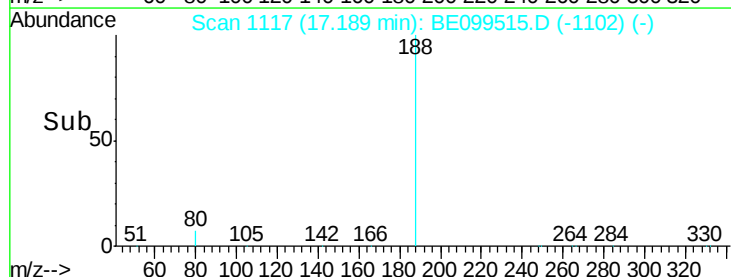
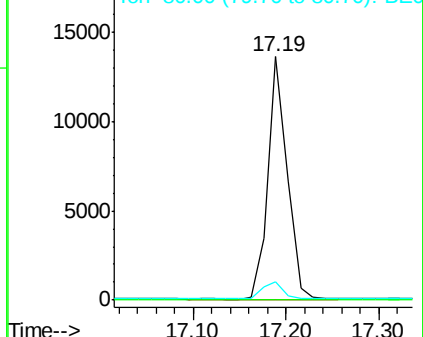
80 7.5 6.7 10.1

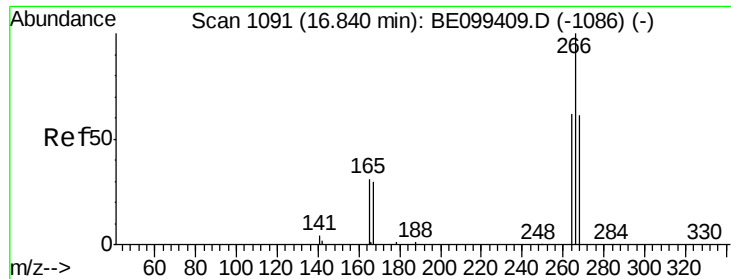


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.228 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

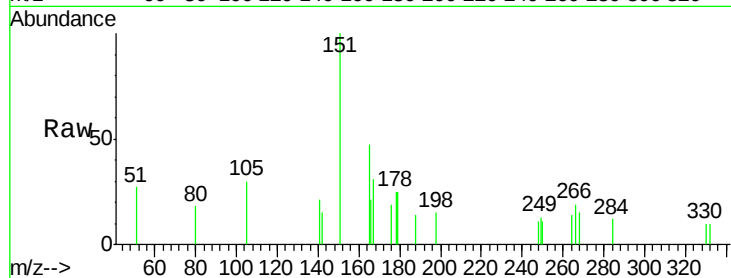
Tot Ion:266 Resp: 78

Ion Ratio Lower Upper

266 100

264 74.4 50.8 76.2

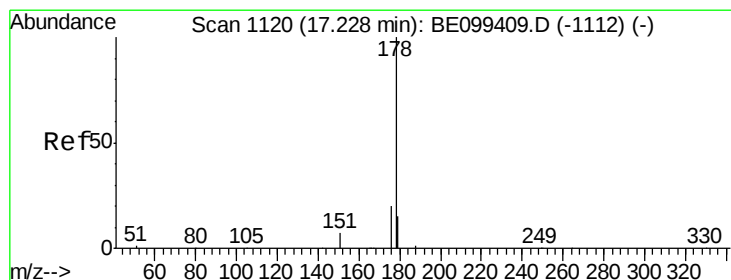
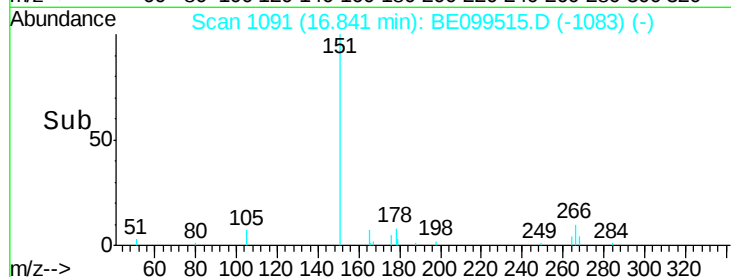
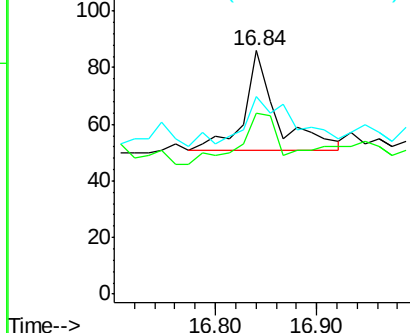
268 81.4 50.5 75.7#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: 1.138 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

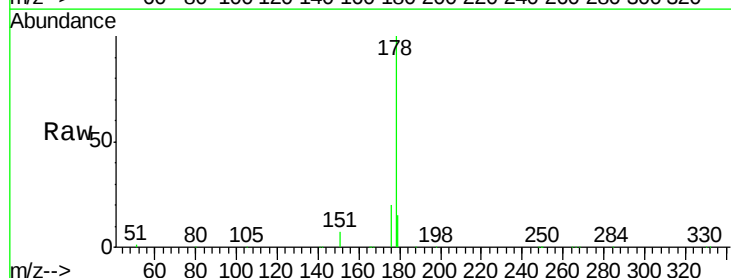
Tgt Ion:178 Resp: 57844

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

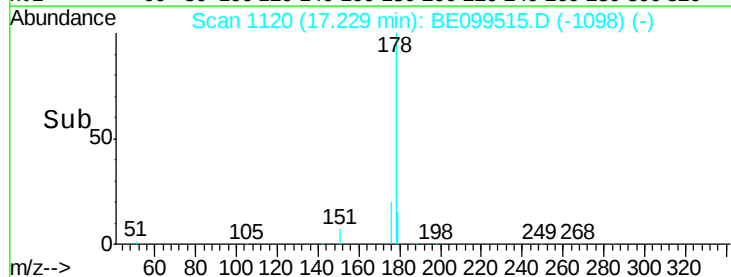
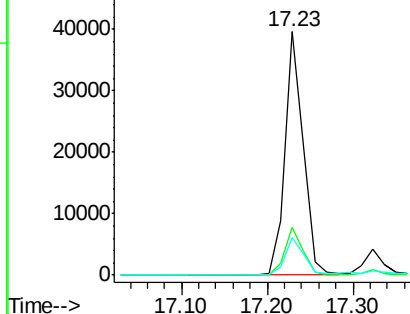
179 15.2 12.0 18.0

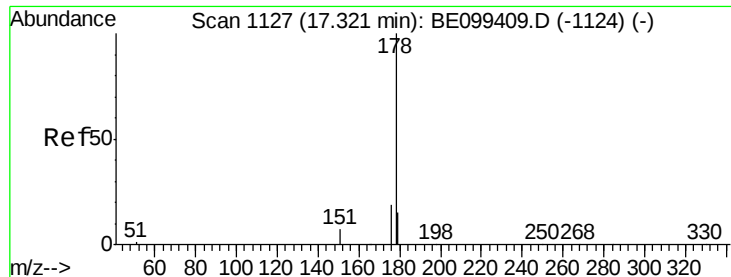


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.111 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

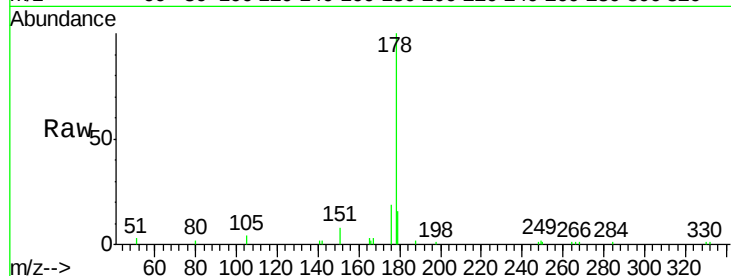
Tot Ion:178 Resp: 5355

Ion Ratio Lower Upper

178 100

176 20.1 14.9 22.3

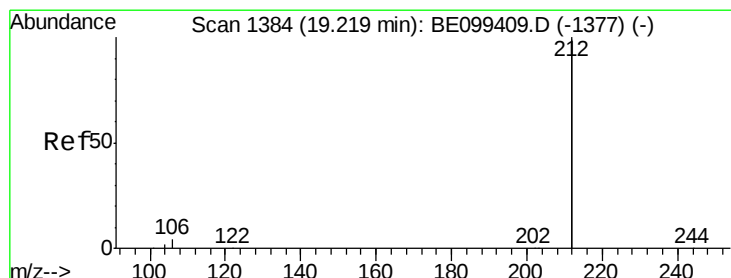
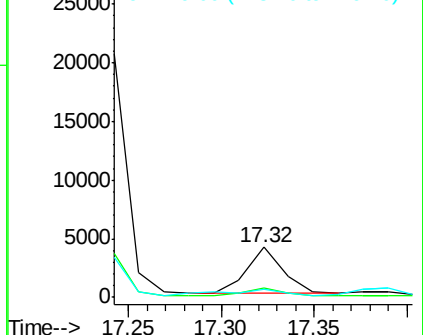
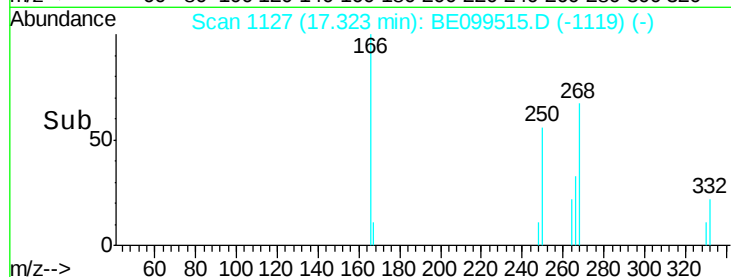
179 19.3 11.9 17.9#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.201 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

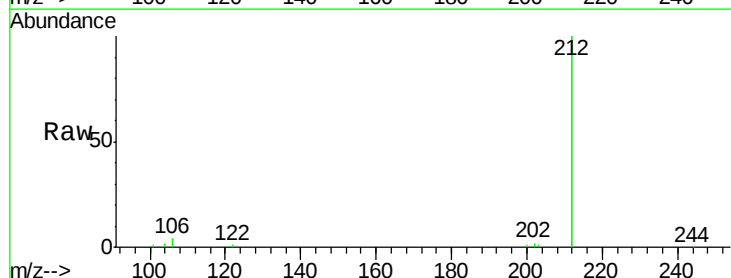
Tgt Ion:212 Resp: 53254

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

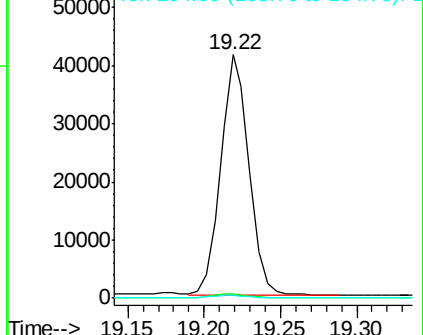
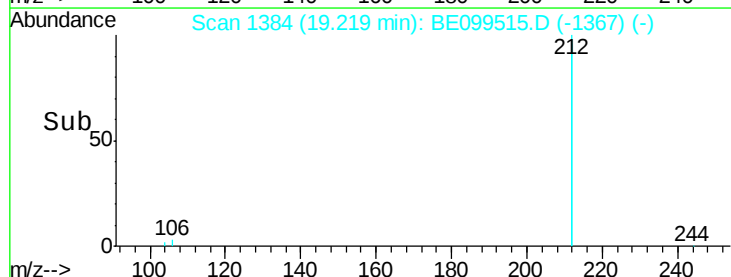
104 1.0 0.9 1.3

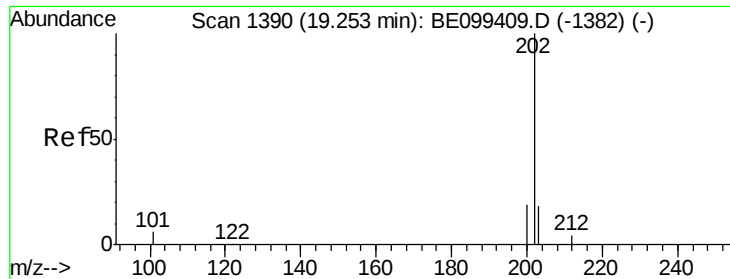


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

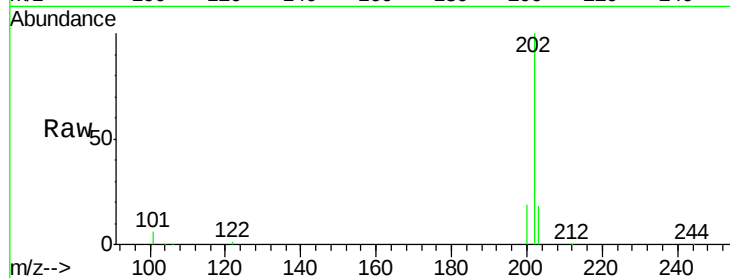




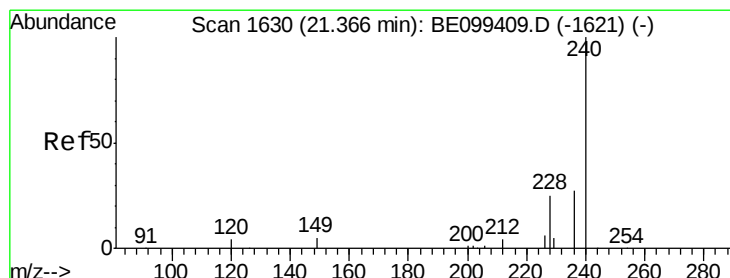
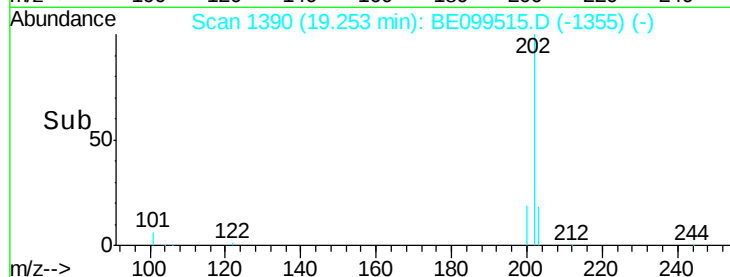
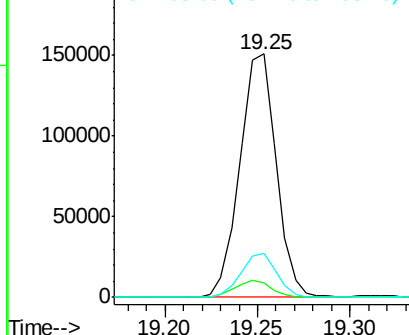
#26
Fluoranthene
Concen: 2.708 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BE099515.D
Acq: 3 May 2019 4:56

Instrument :
BNA_E
ClientSampleId :
PST-004-SW023-042319

Tot Ion:202 Resp: 206082
Ion Ratio Lower Upper
202 100
101 6.7 5.4 8.0
203 17.6 13.9 20.9

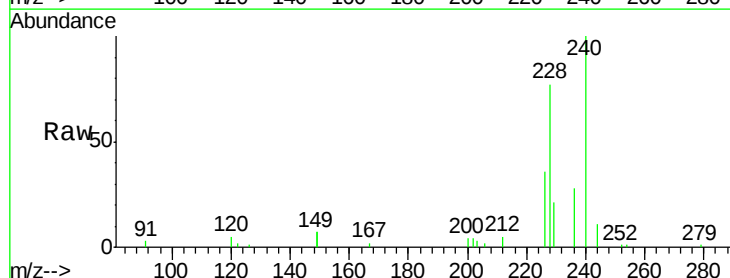


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

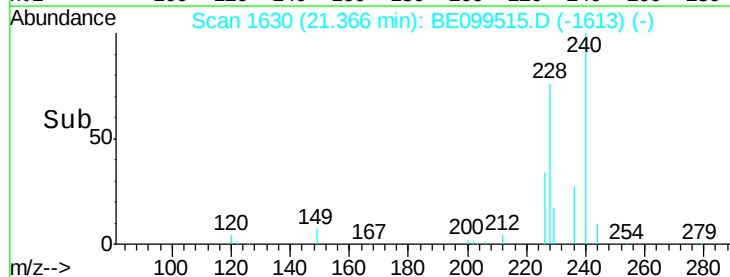
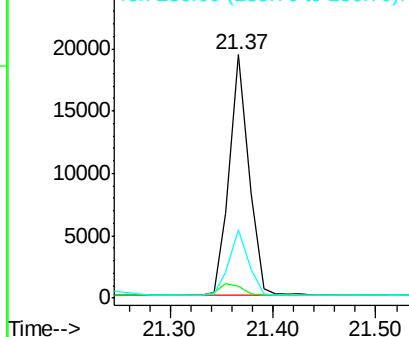


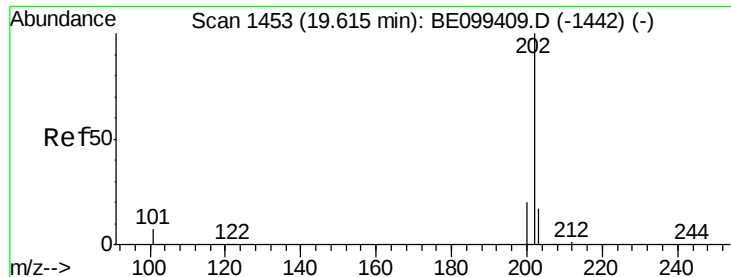
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099515.D
Acq: 3 May 2019 4:56

Tgt Ion:240 Resp: 25914
Ion Ratio Lower Upper
240 100
120 5.0 4.0 6.0
236 28.3 22.0 33.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 2.858 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

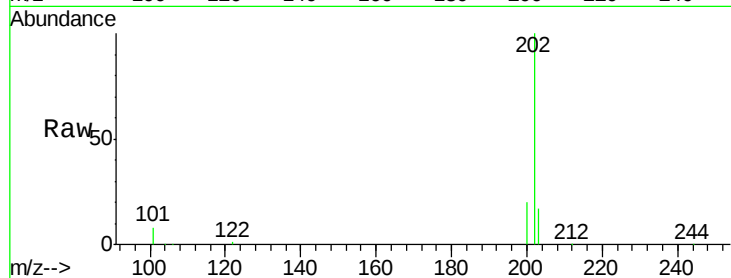
Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

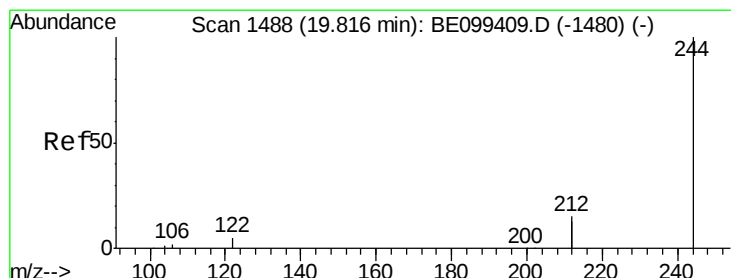
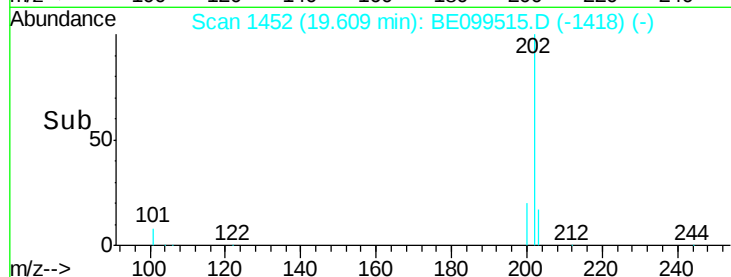
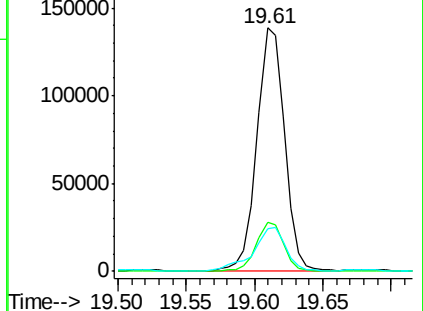
Tot Ion:	202	Resp:	193050
Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.7	23.5
203	20.9	13.9	20.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.248 ng

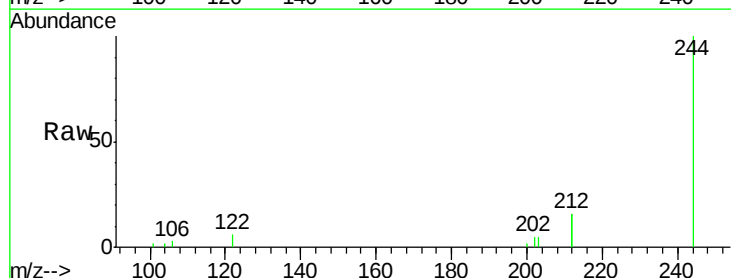
RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

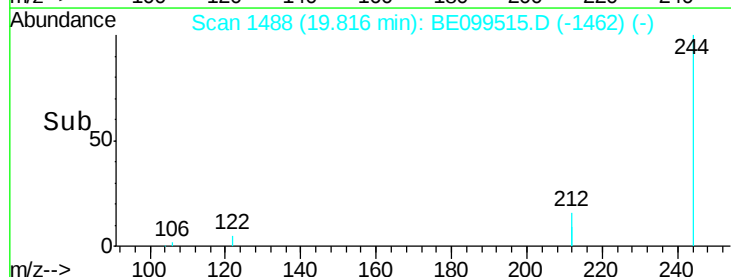
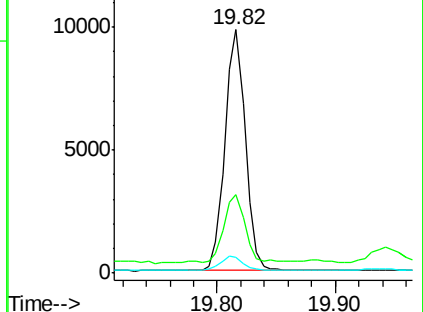
Tgt Ion:	244	Resp:	11746
Ion	Ratio	Lower	Upper
244	100		
212	32.1	23.2	34.8
122	6.3	4.2	6.4

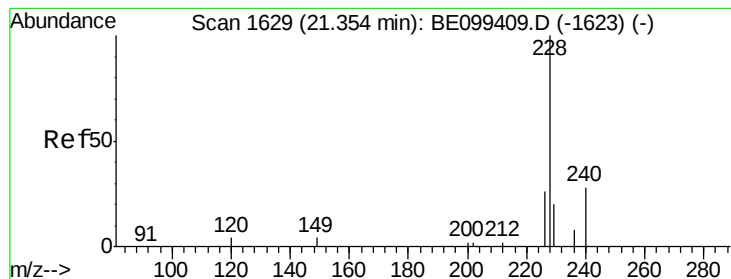


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 1.241 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

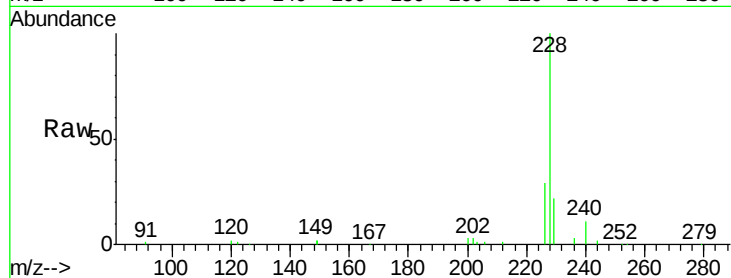
Tot Ion:228 Resp: 102444

Ion Ratio Lower Upper

228 100

226 28.7 21.0 31.6

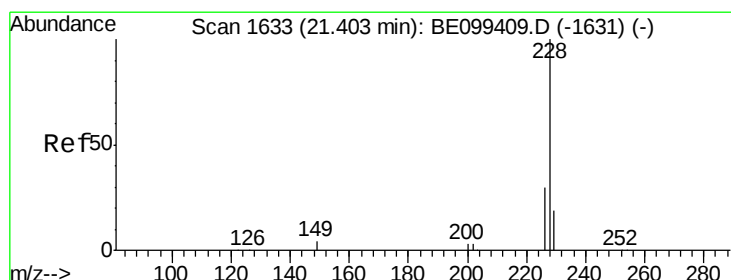
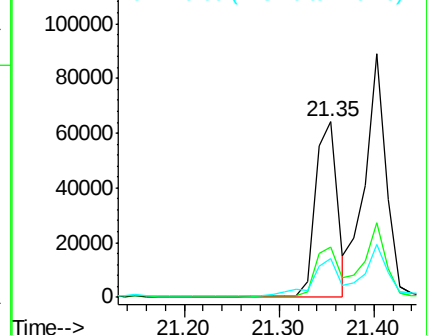
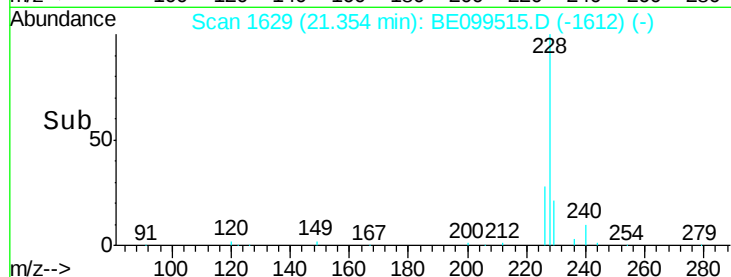
229 22.2 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 1.699 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

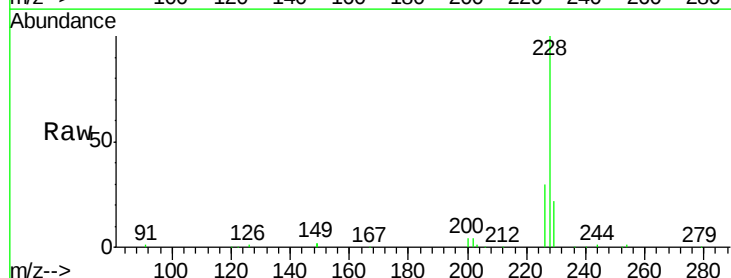
Tgt Ion:228 Resp: 137268

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

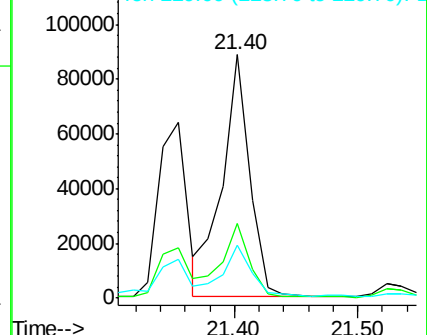
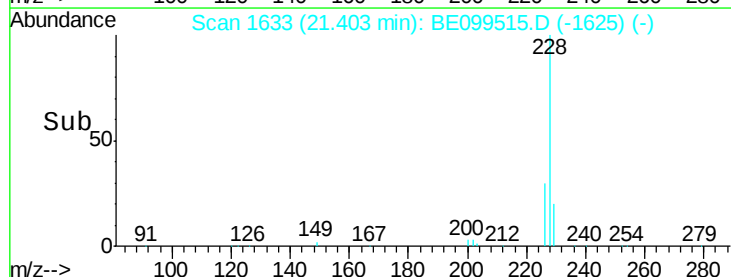
229 21.5 15.8 23.8

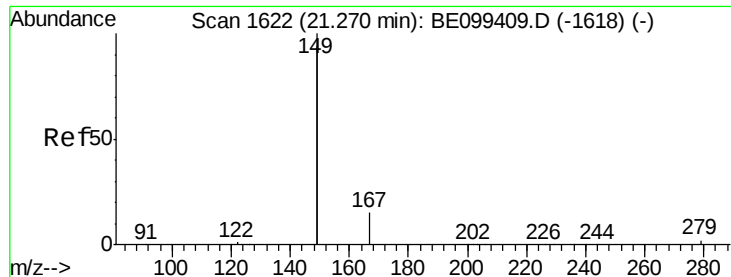


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.182 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

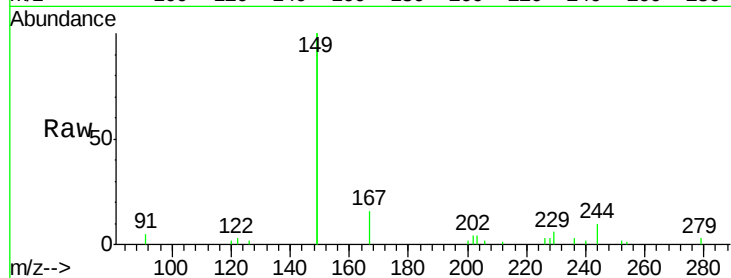
Tot Ion:149 Resp: 29571

Ion Ratio Lower Upper

149 100

167 6.9 5.8 8.6

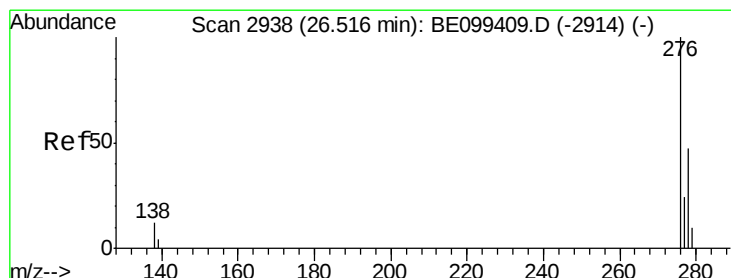
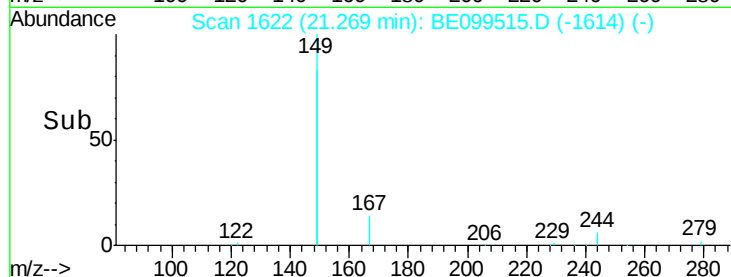
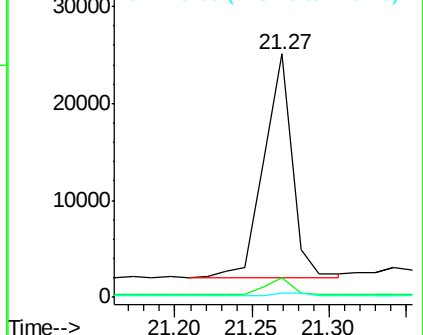
279 1.4 1.0 1.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.917 ng

RT: 26.52 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

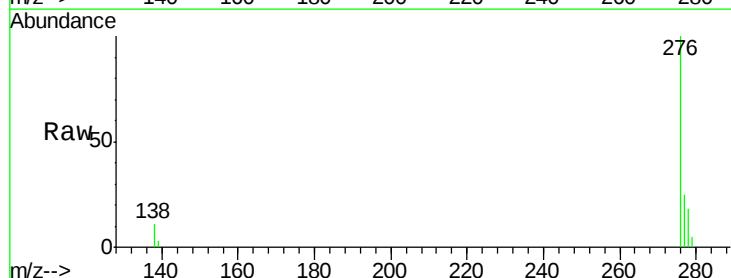
Tgt Ion:276 Resp: 87523

Ion Ratio Lower Upper

276 100

138 10.6 10.2 15.2

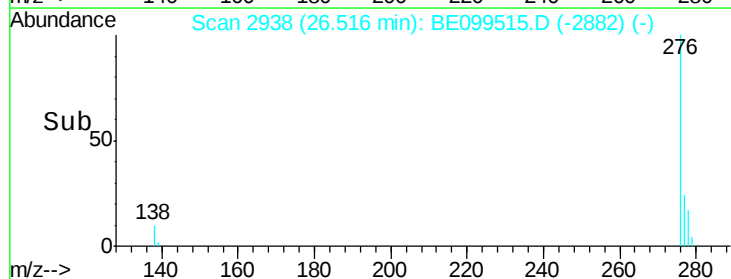
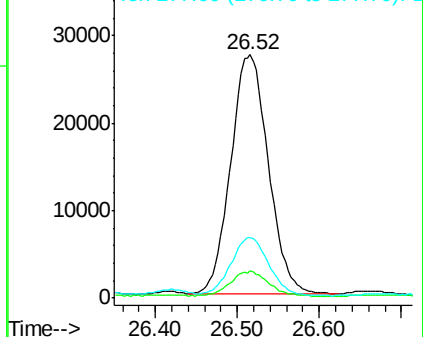
277 24.6 19.2 28.8

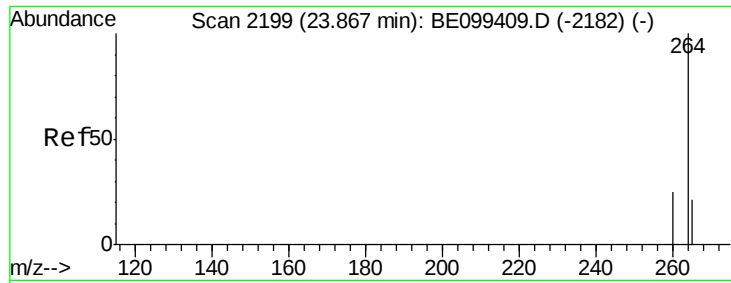


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

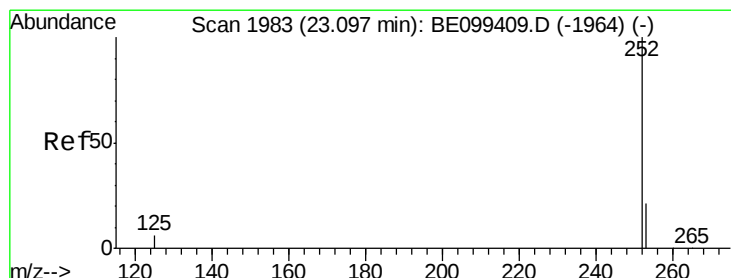
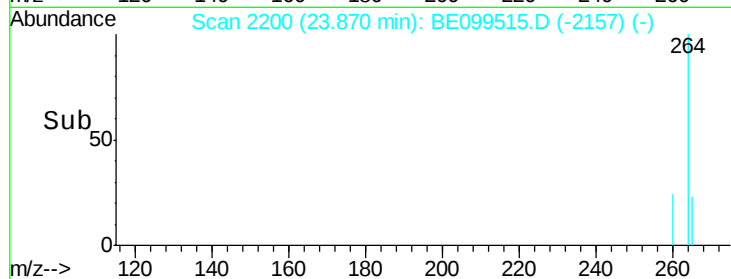
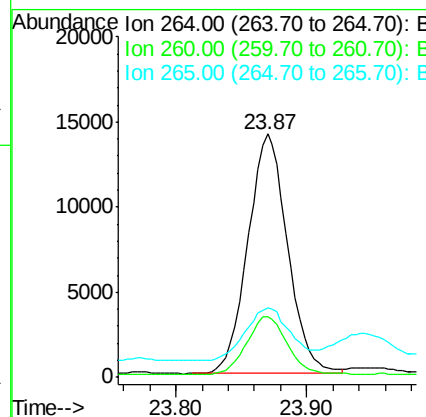
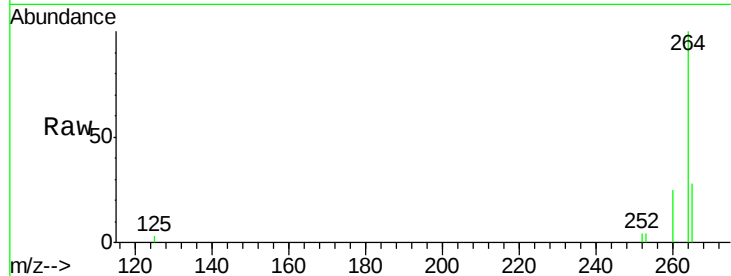




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BE099515.D
Acq: 3 May 2019 4:56

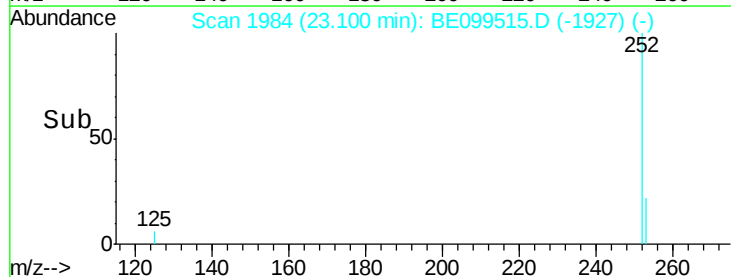
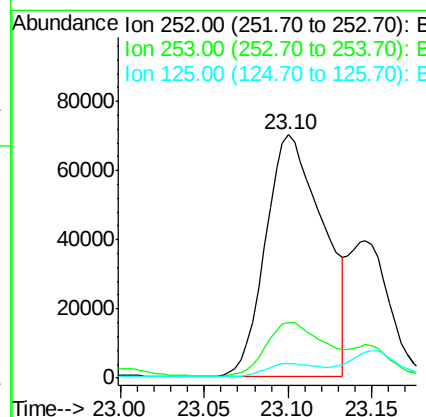
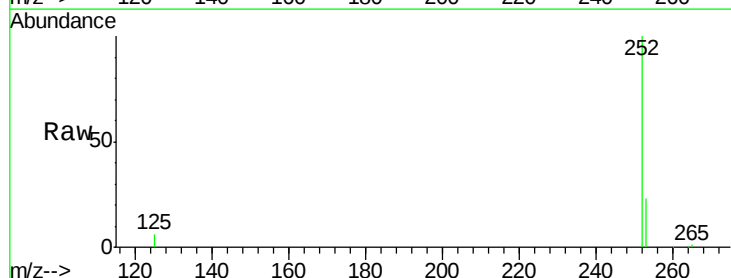
Instrument :
BNA_E
ClientSampleId :
PST-004-SW023-042319

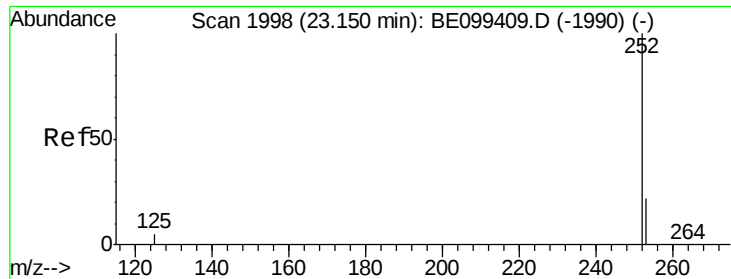
Tot Ion:264 Resp: 29754
Ion Ratio Lower Upper
264 100
260 25.0 20.2 30.2
265 28.4 21.3 31.9



#35
Benzo(b)fluoranthene
Concen: 1.961 ng
RT: 23.10 min Scan# 1984
Delta R.T. 0.00 min
Lab File: BE099515.D
Acq: 3 May 2019 4:56

Tgt Ion:252 Resp: 168209
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 6.0 5.6 8.4

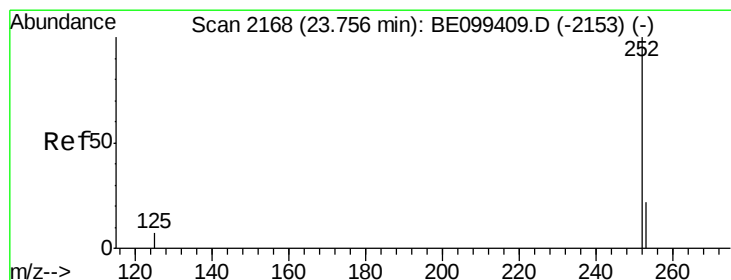
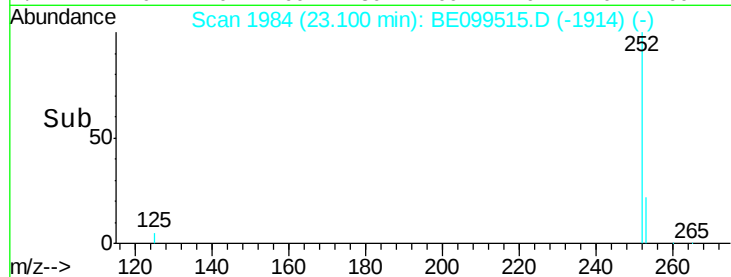
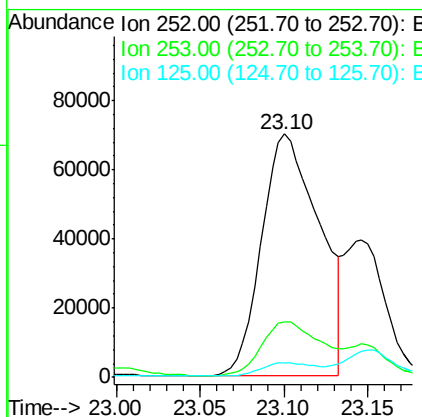
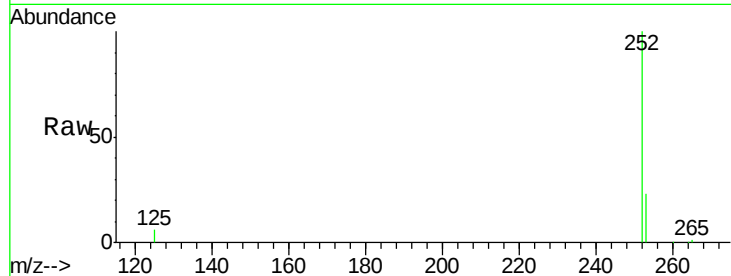




#36
Benzo(k)fluoranthene
Concen: 2.033 ng
RT: 23.10 min Scan# 1984
Delta R.T. -0.05 min
Lab File: BE099515.D
Acq: 3 May 2019 4:56

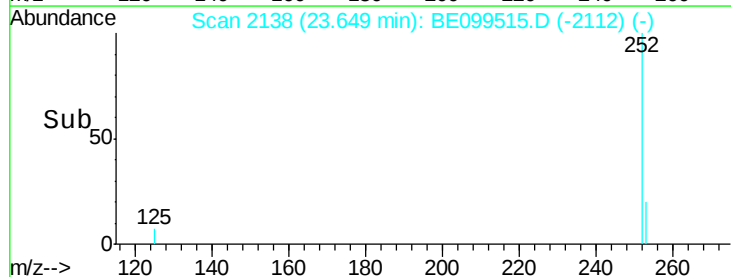
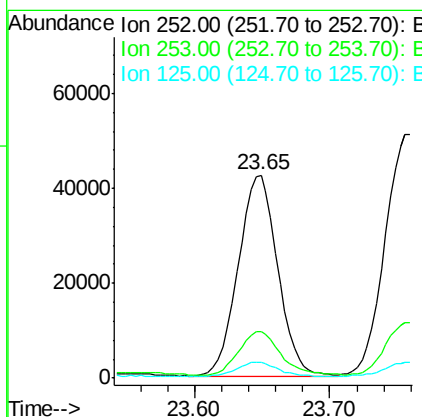
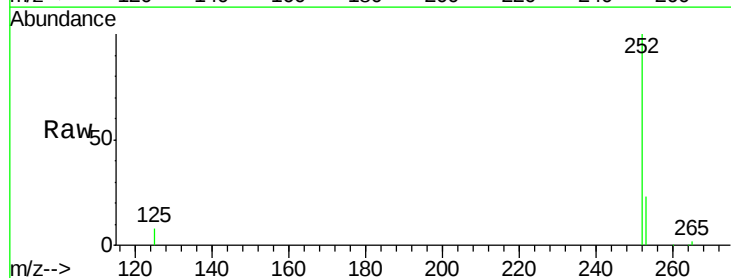
Instrument :
BNA_E
ClientSampleId :
PST-004-SW023-042319

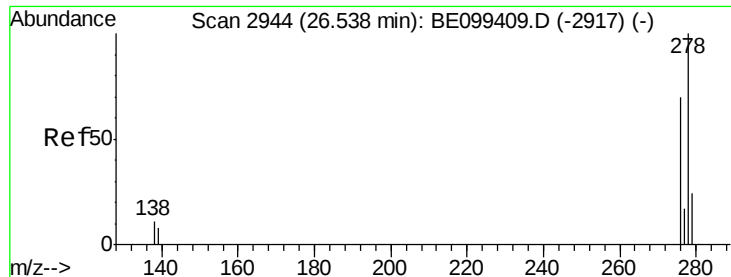
Tot Ion:252 Resp: 168209
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 6.0 5.0 7.4



#37
Benzo(a)pyrene
Concen: 1.061 ng
RT: 23.65 min Scan# 2138
Delta R.T. -0.11 min
Lab File: BE099515.D
Acq: 3 May 2019 4:56

Tgt Ion:252 Resp: 86084
Ion Ratio Lower Upper
252 100
253 22.7 18.9 28.3
125 7.9 6.7 10.1





#38

Dibenzo(a,h)anthracene

Concen: 0.257 ng

RT: 26.53 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

Instrument :

BNA_E

ClientSampleId :

PST-004-SW023-042319

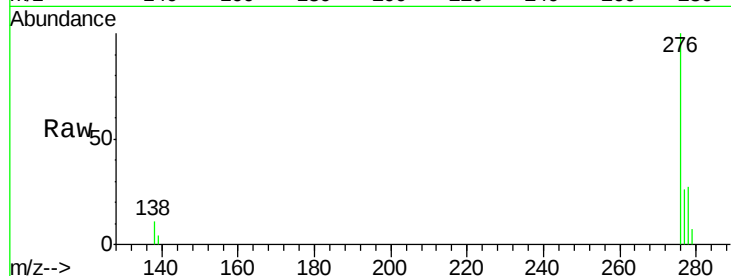
Tot Ion:278 Resp: 21303

Ion Ratio Lower Upper

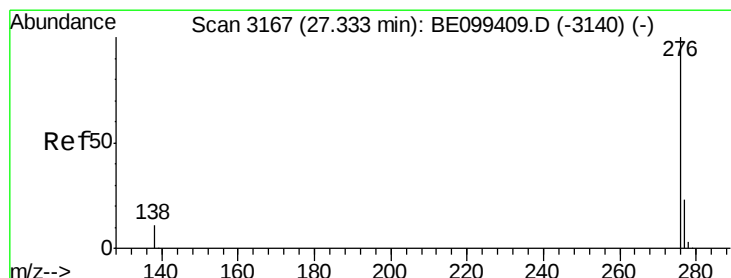
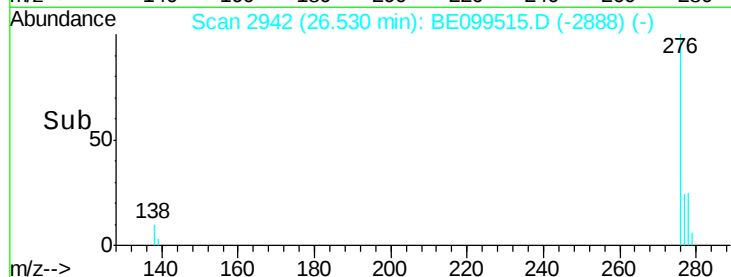
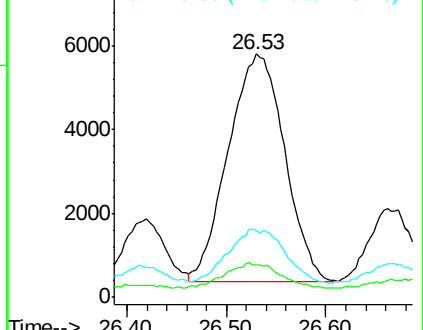
278 100

139 13.5 7.7 11.5#

279 27.6 20.2 30.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 1.037 ng

RT: 27.34 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BE099515.D

Acq: 3 May 2019 4:56

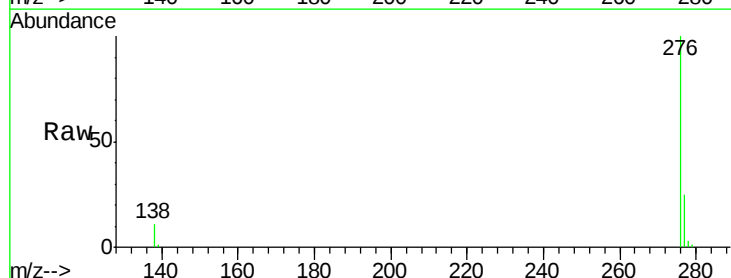
Tgt Ion:276 Resp: 86223

Ion Ratio Lower Upper

276 100

277 24.7 19.5 29.3

138 11.0 9.6 14.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

