

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
 Data File : BE099437.D
 Acq On : 30 Apr 2019 22:13
 Operator : JU/SJ
 Sample : K2568-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW030-042319

Quant Time: May 01 02:15:12 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	7.81	152	2164	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7740	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5507	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18829	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29248	0.40	ng	0.00
34) Perylene-d12	23.86	264	33723	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1728	0.29	ng	0.00
5) Phenol-d6	6.96	99	2629	0.33	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2274	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	3739	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1055	0.30	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	5611	0.27	ng	-0.01
25) Fluoranthene-d10	19.21	212	65518	0.26	ng	0.00
29) Terphenyl-d14	19.81	244	13365	0.25	ng	0.00

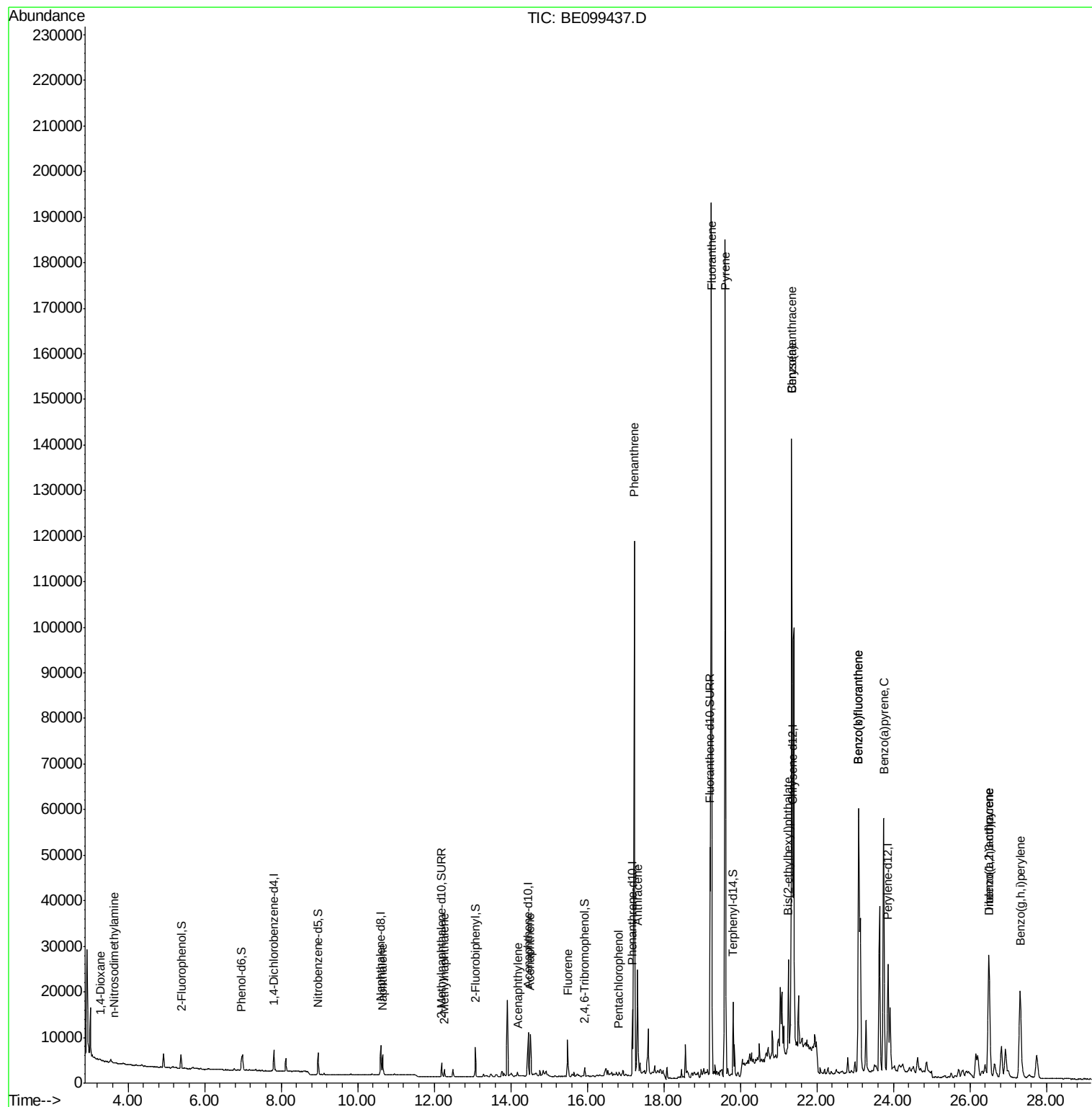
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	131	0.044	ng	# 32
3) n-Nitrosodimethylamine	3.62	42	55	0.031	ng	# 1
9) Naphthalene	10.65	128	7325	0.087	ng	# 97
12) 2-Methylnaphthalene	12.27	142	1144	0.078	ng	# 94
16) Acenaphthylene	14.18	152	1033	0.038	ng	# 95
17) Acenaphthene	14.52	154	4245	0.276	ng	# 96
18) Fluorene	15.49	166	5161	0.227	ng	# 95
22) Pentachlorophenol	16.83	266	51	0.224	ng	# 68
23) Phenanthrene	17.23	178	115517	2.378	ng	# 99
24) Anthracene	17.32	178	24562	0.530	ng	# 92
26) Fluoranthene	19.25	202	177105	2.434	ng	# 100
28) Pyrene	19.61	202	171551	2.250	ng	# 94
30) Benzo(a)anthracene	21.34	228	115360	1.238	ng	# 98
31) Chrysene	21.34	228	70906	0.778	ng	# 97
32) Bis(2-ethylhexyl)phthalate	21.26	149	22868	0.102	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.49	276	53148	0.493	ng	# 98
35) Benzo(b)fluoranthene	23.09	252	113342	1.166	ng	# 96
36) Benzo(k)fluoranthene	23.09	252	113342	1.209	ng	# 96
37) Benzo(a)pyrene	23.74	252	88017	0.957	ng	# 99
38) Dibenzo(a,h)anthracene	26.51	278	14829	0.158	ng	# 91
39) Benzo(g,h,i)perylene	27.31	276	51507	0.547	ng	# 99

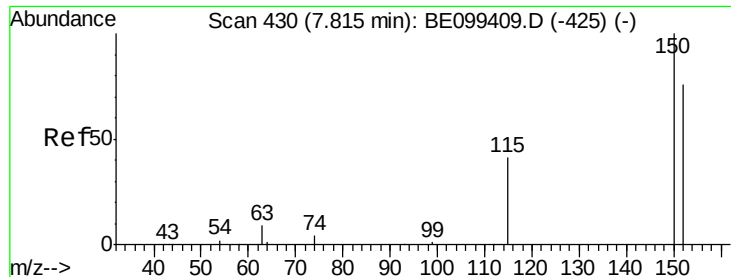
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

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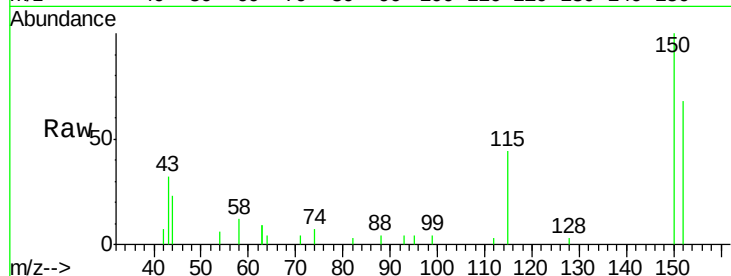
Tot Ion:152 Resp: 2164

Ion Ratio Lower Upper

152 100

150 147.1 104.8 157.2

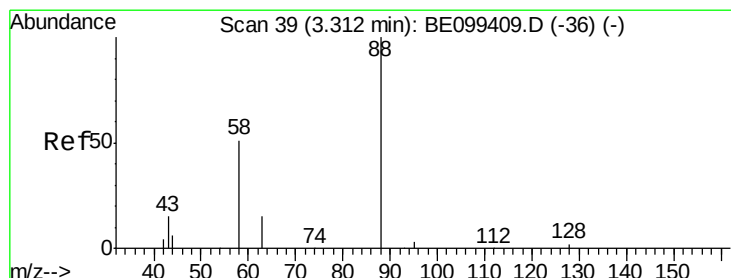
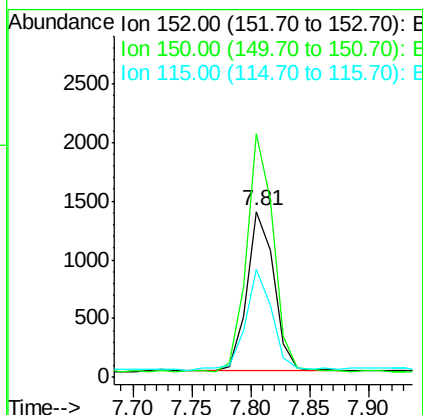
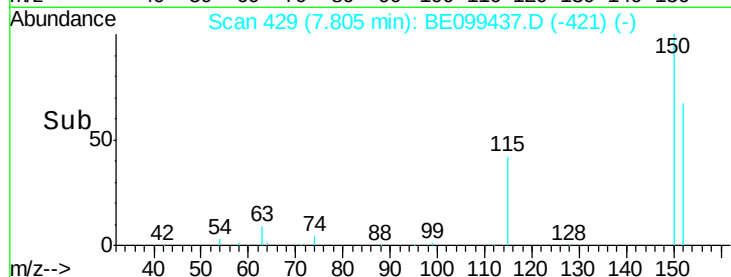
115 65.0 46.6 69.8



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: 0.044 ng

RT: 3.27 min Scan# 35

Delta R.T. -0.04 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

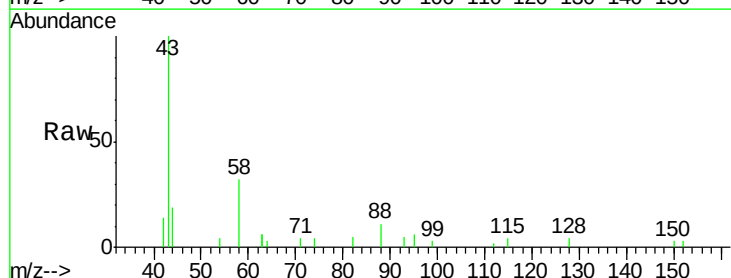
Tgt Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

58 122.1 51.0 76.6#

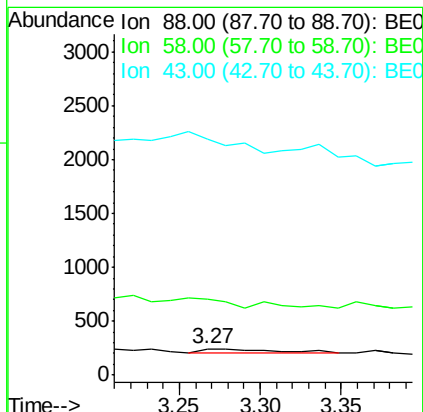
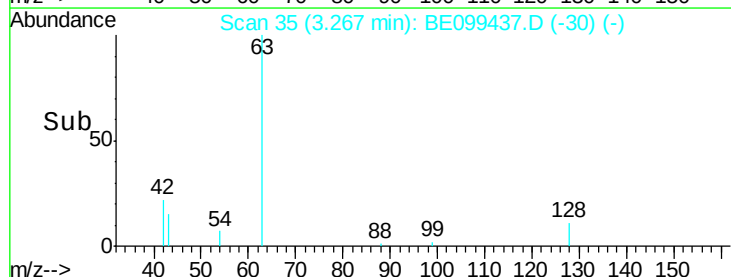
43 0.0 20.6 30.8#

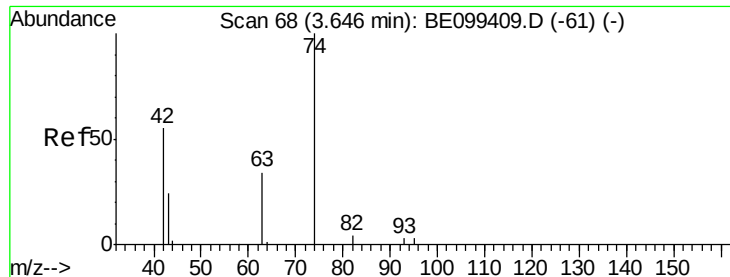


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.031 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.02 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

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ClientSampleId :

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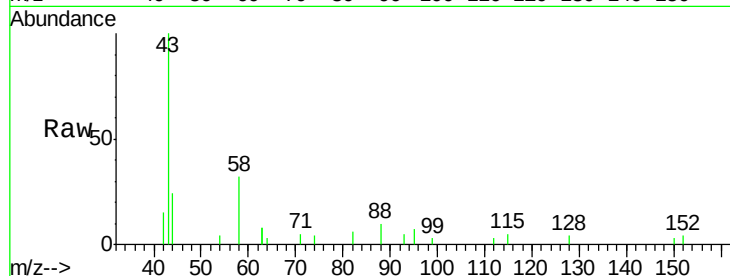
Tot Ion: 42 Resp: 55

Ion Ratio Lower Upper

42 100

74 12.7 141.6 212.4#

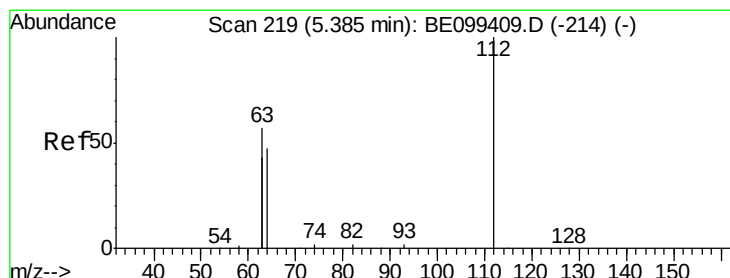
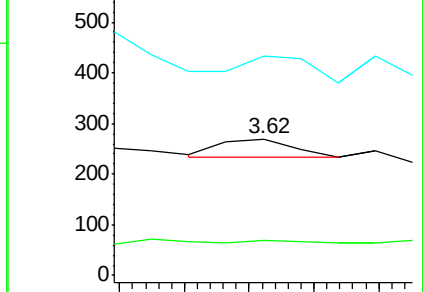
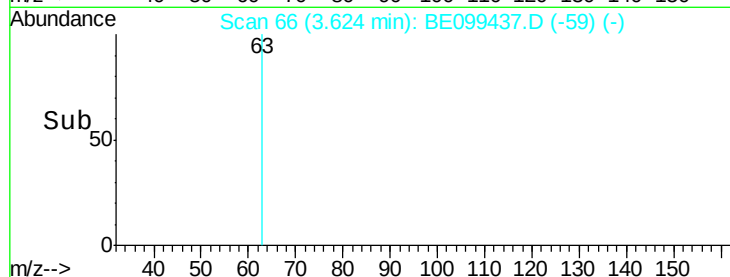
44 123.6 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.289 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

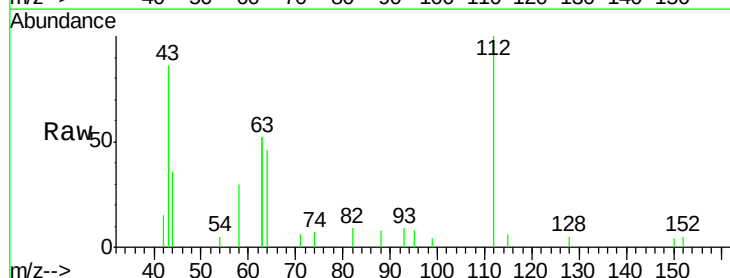
Tgt Ion: 112 Resp: 1728

Ion Ratio Lower Upper

112 100

64 58.6 47.4 71.0

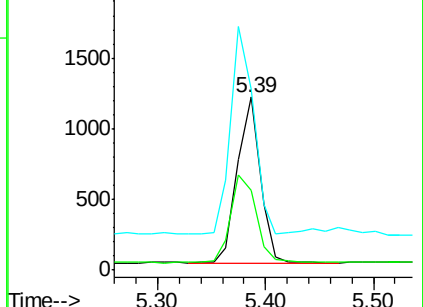
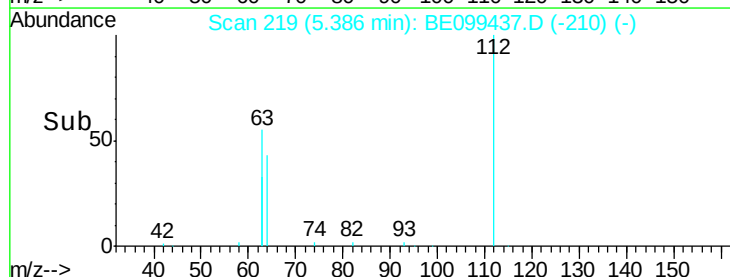
63 124.9 104.3 156.5

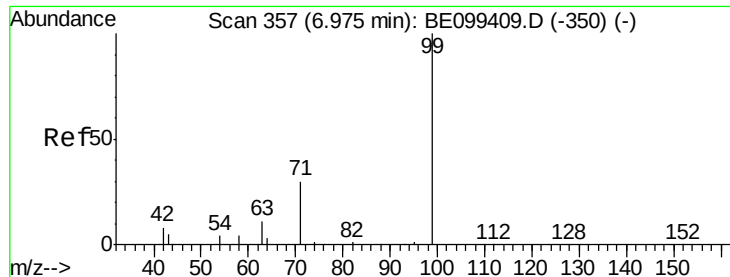


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.330 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

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PST-023-SW030-042319

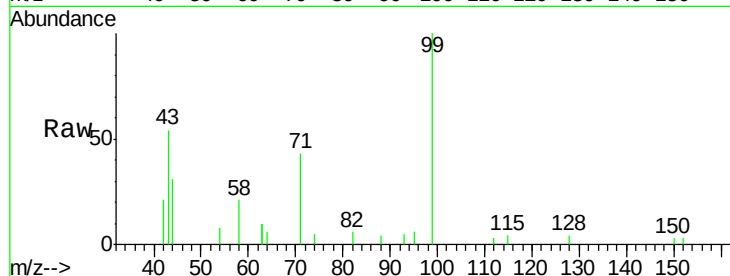
Tot Ion: 99 Resp: 2629

Ion Ratio Lower Upper

99 100

42 21.8 14.9 22.3

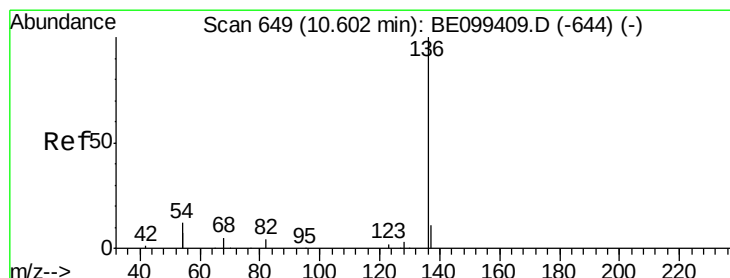
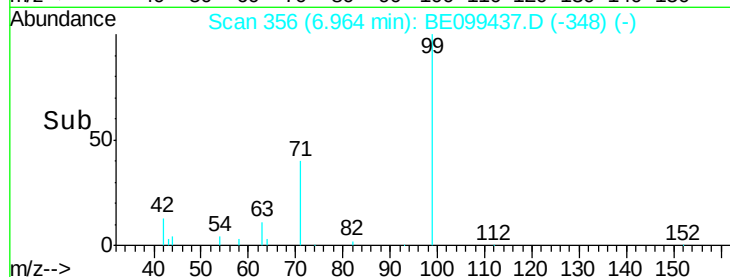
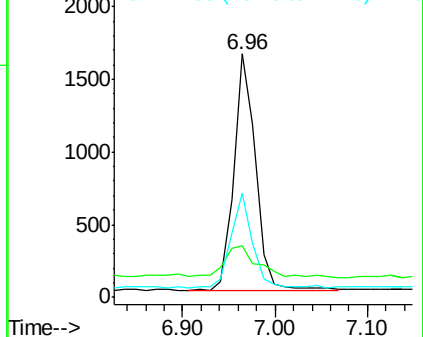
71 39.4 33.0 49.6



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: BE099437.D

Acq: 30 Apr 2019 22:13

Tgt Ion: 136 Resp: 7740

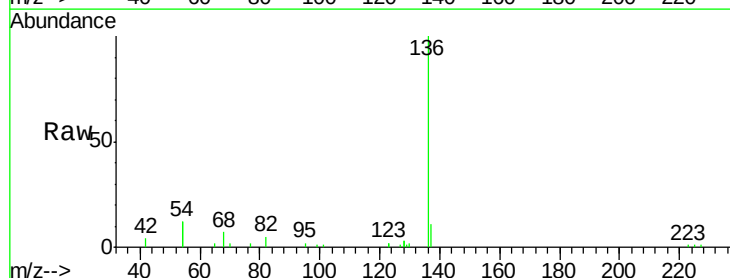
Ion Ratio Lower Upper

136 100

137 11.2 9.8 14.8

54 23.0 18.5 27.7

68 6.9 4.7 7.1

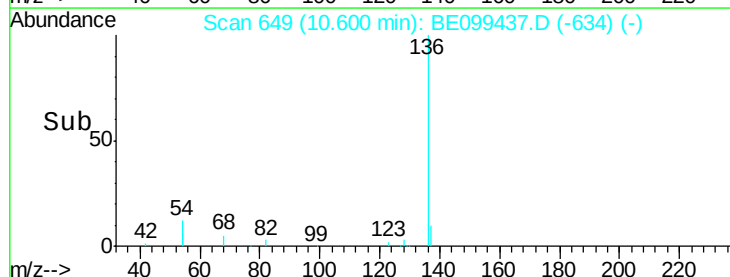
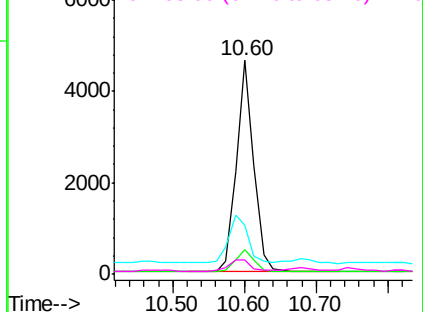


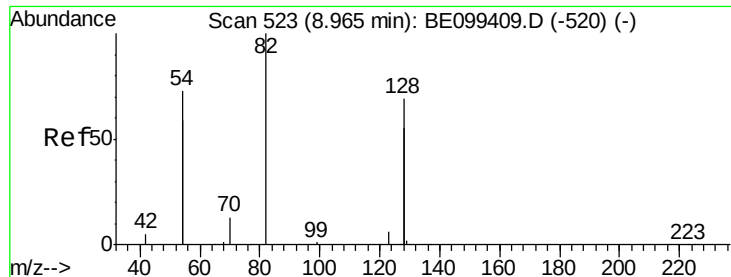
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.313 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

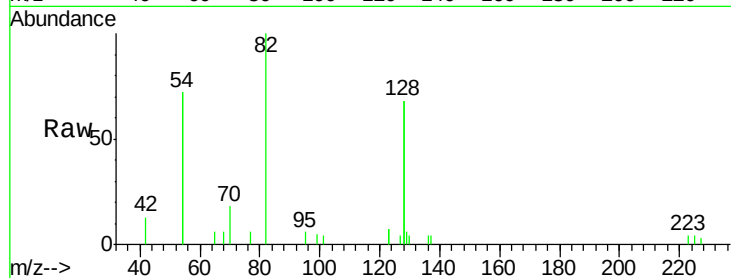
Tot Ion: 82 Resp: 2274

Ion Ratio Lower Upper

82 100

128 136.2 107.0 160.4

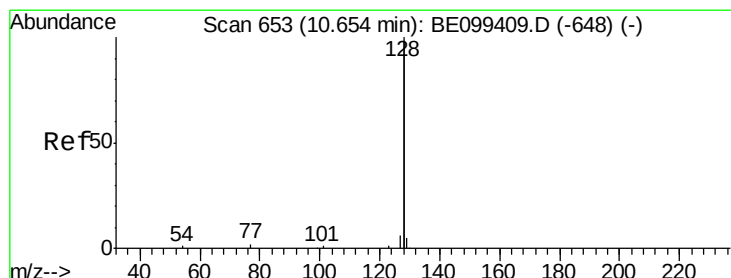
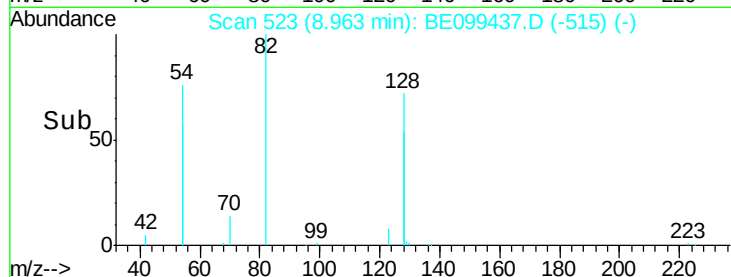
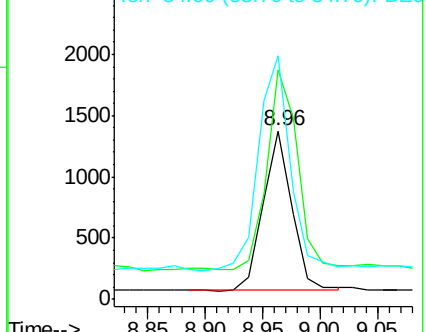
54 144.5 113.1 169.7



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.087 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

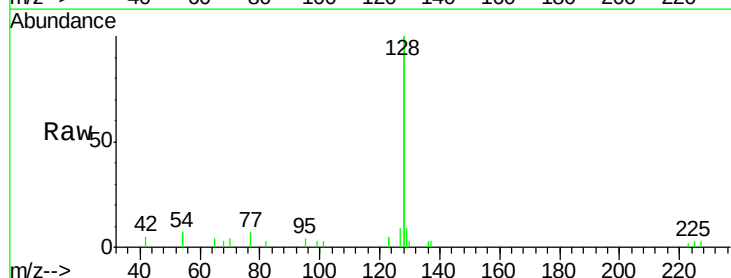
Tgt Ion: 128 Resp: 7325

Ion Ratio Lower Upper

128 100

129 4.3 2.4 3.6#

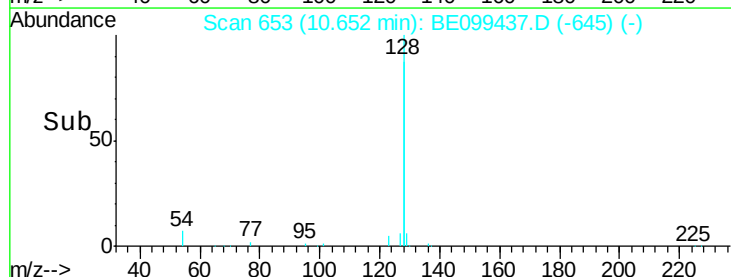
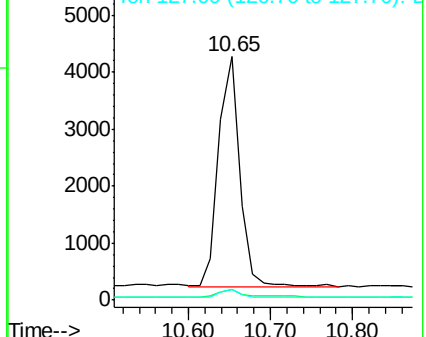
127 4.3 2.8 4.2#

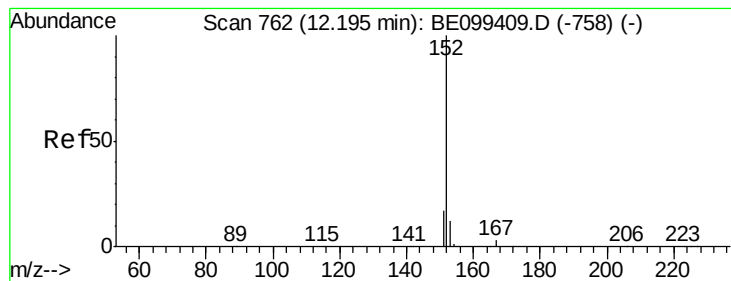


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.268 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

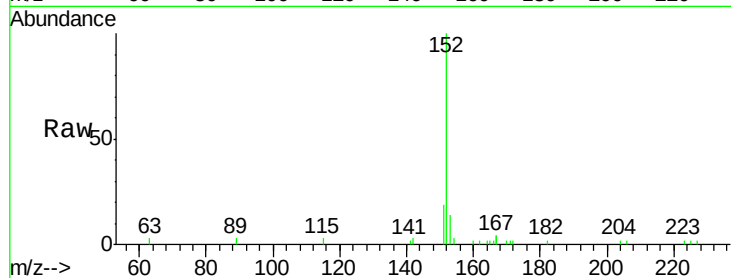
PST-023-SW030-042319

Tot Ion:152 Resp: 3739

Ion Ratio Lower Upper

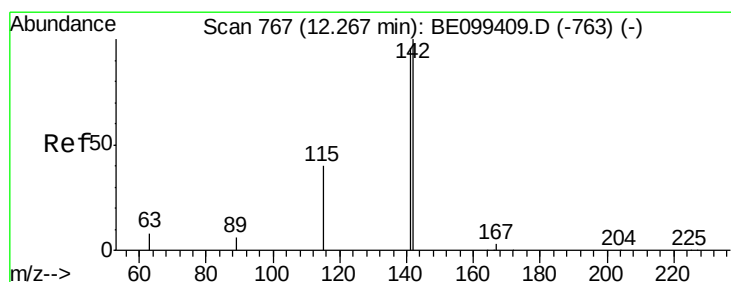
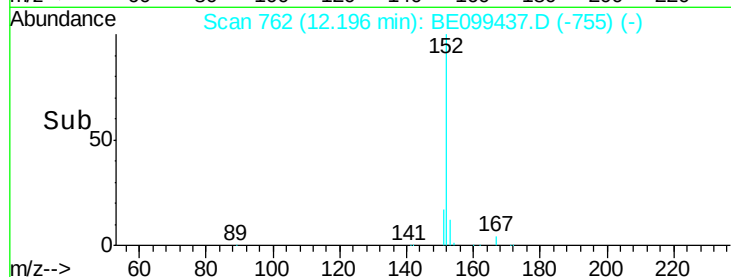
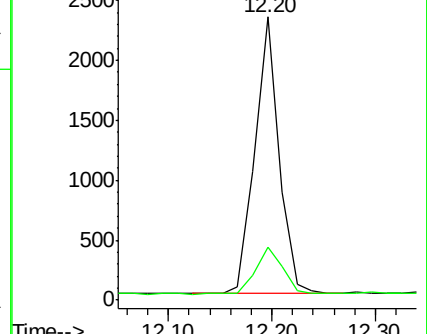
152 100

151 19.2 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: 0.078 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

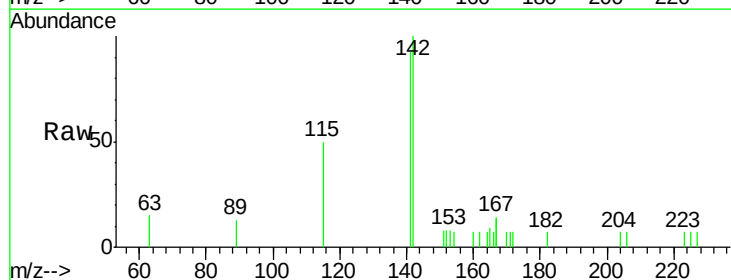
Tgt Ion:142 Resp: 1144

Ion Ratio Lower Upper

142 100

141 93.3 77.0 115.4

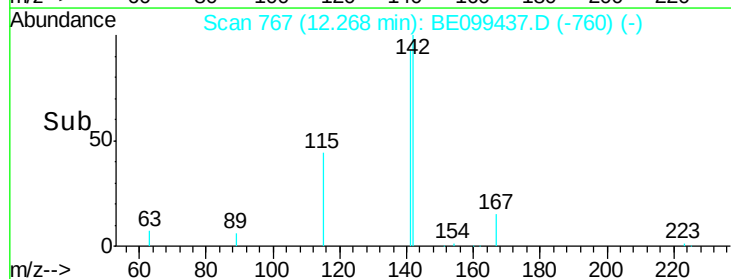
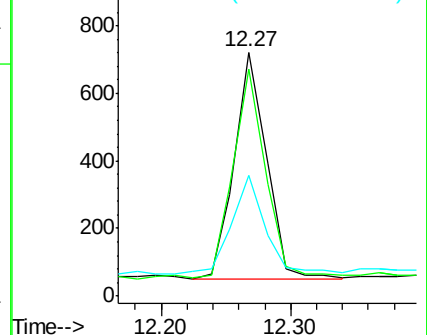
115 49.8 33.4 50.0

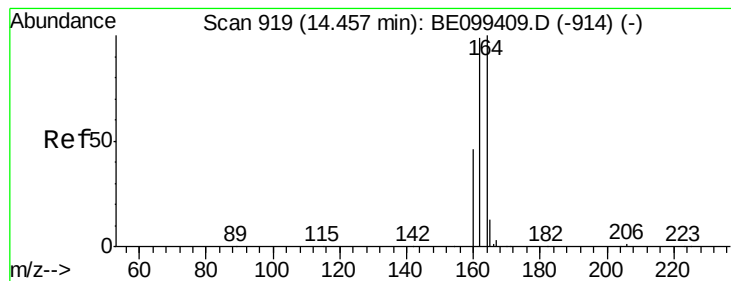


Abundance Ion 142.00 (141.70 to 142.70): E

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

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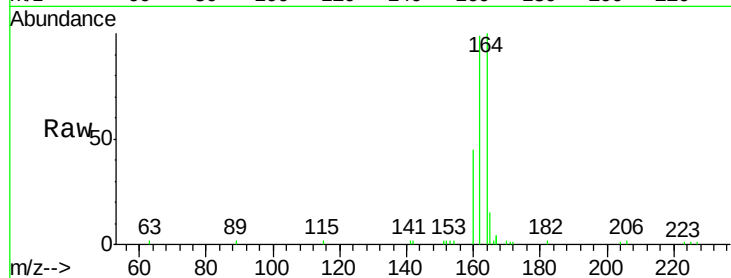
Tot Ion:164 Resp: 5507

Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.4

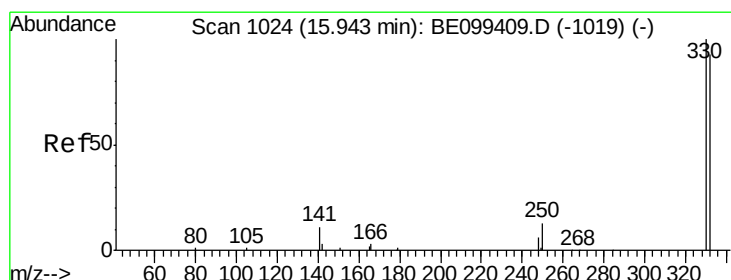
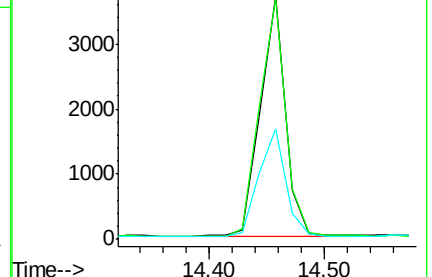
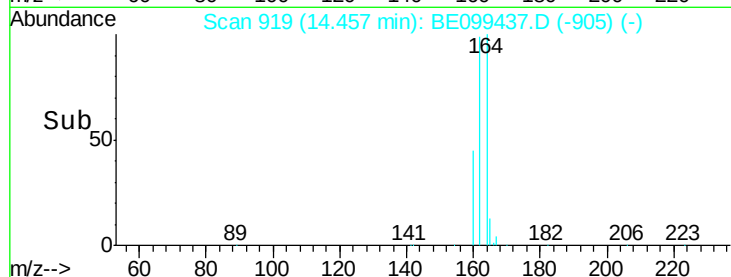
160 45.3 37.0 55.4



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: 0.304 ng

RT: 15.93 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

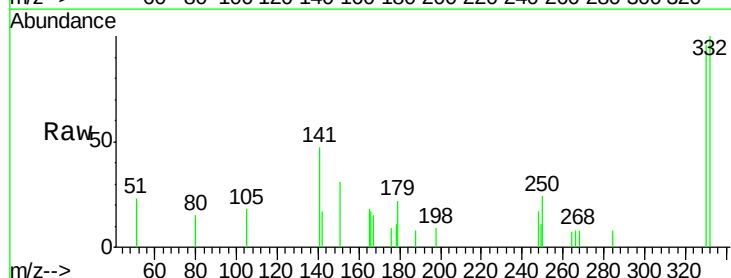
Tgt Ion:330 Resp: 1055

Ion Ratio Lower Upper

330 100

332 99.5 71.5 107.3

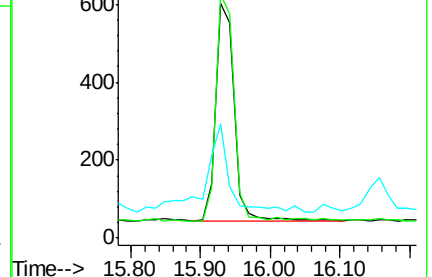
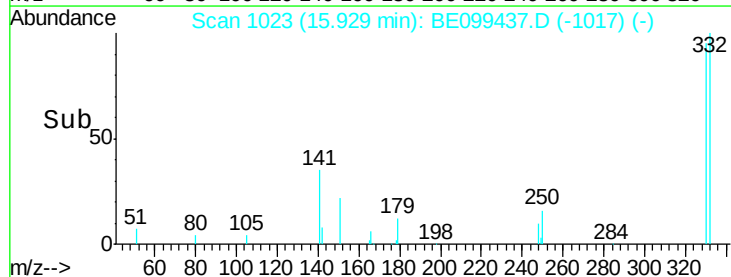
141 46.3 24.0 36.0#

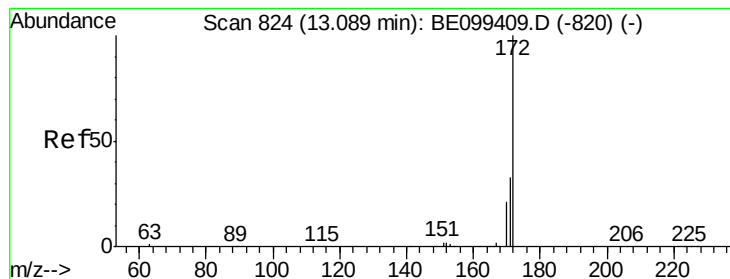


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.267 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

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ClientSampleId :

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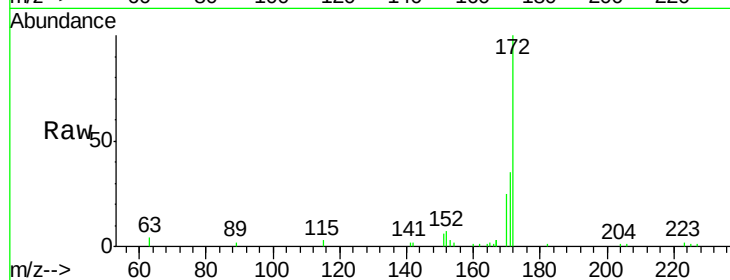
Tot Ion:172 Resp: 5611

Ion Ratio Lower Upper

172 100

171 35.4 26.6 39.8

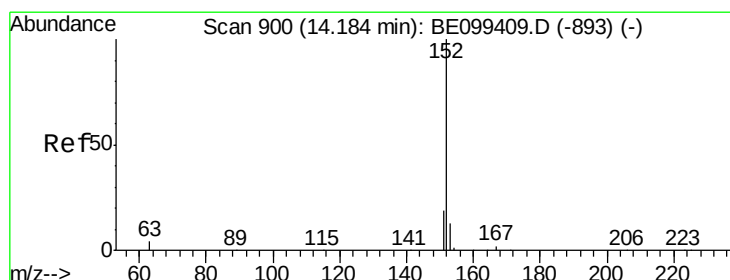
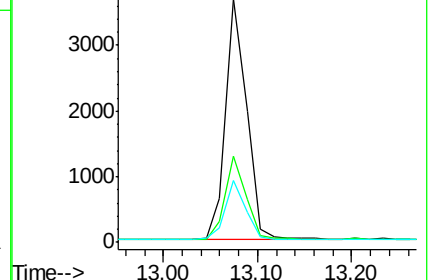
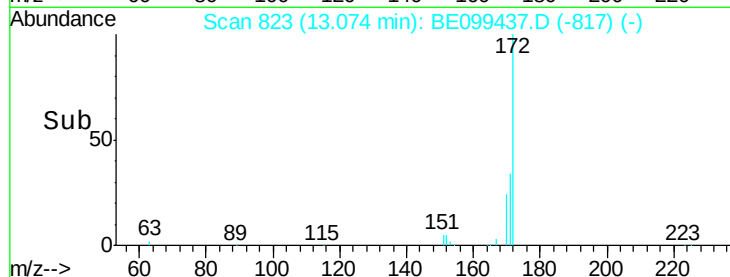
170 25.2 17.0 25.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.038 ng

RT: 14.18 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

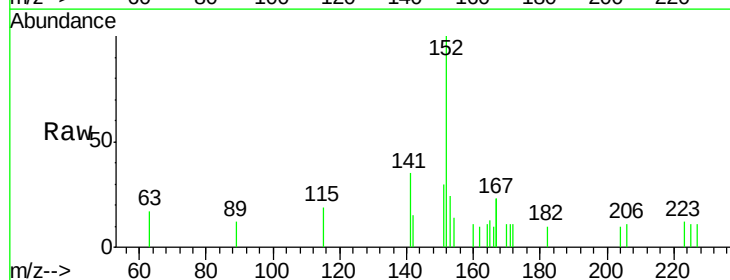
Tgt Ion:152 Resp: 1033

Ion Ratio Lower Upper

152 100

151 20.1 15.4 23.2

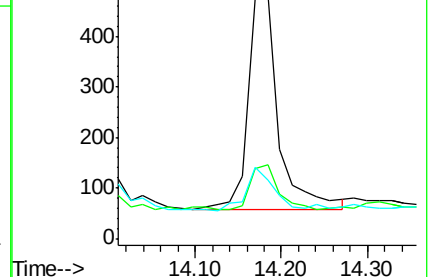
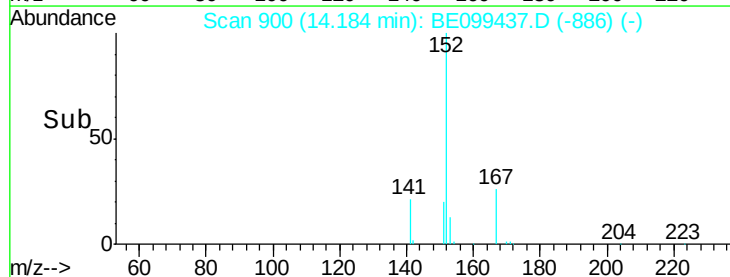
153 16.5 9.8 14.6#

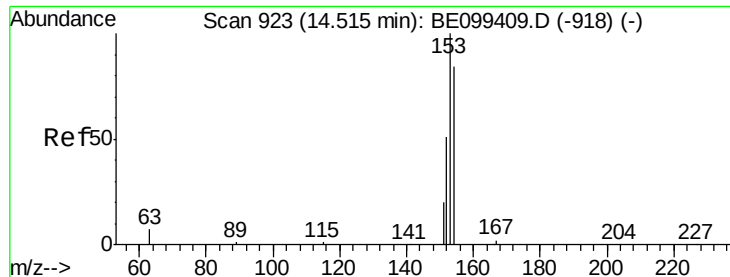


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.276 ng

RT: 14.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

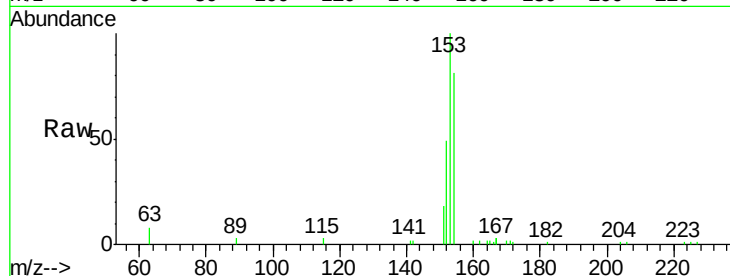
Tot Ion:154 Resp: 4245

Ion Ratio Lower Upper

154 100

153 121.4 92.6 138.8

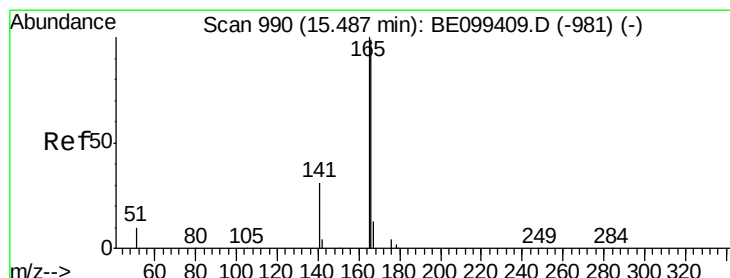
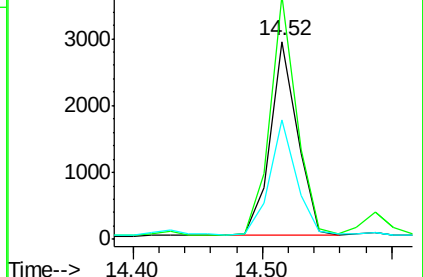
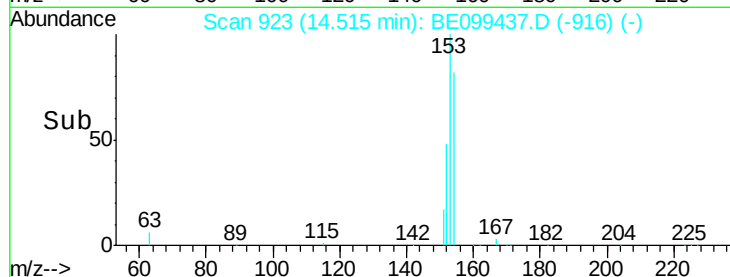
152 59.0 45.8 68.8



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: 0.227 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

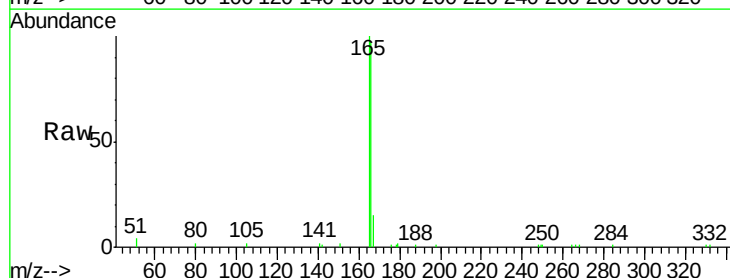
Tgt Ion:166 Resp: 5161

Ion Ratio Lower Upper

166 100

165 105.0 80.3 120.5

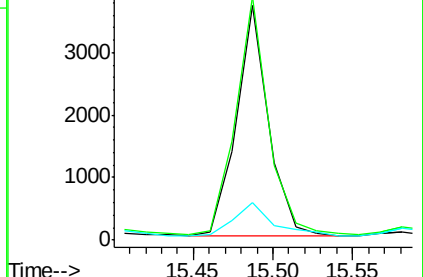
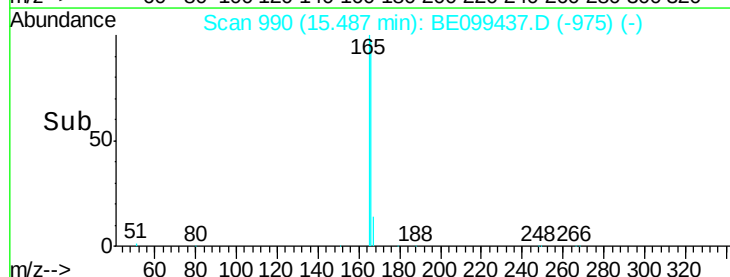
167 18.1 10.7 16.1#

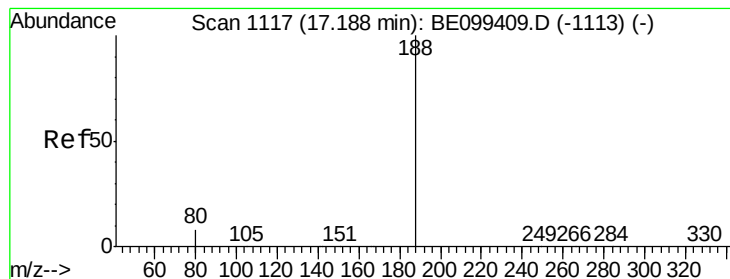


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

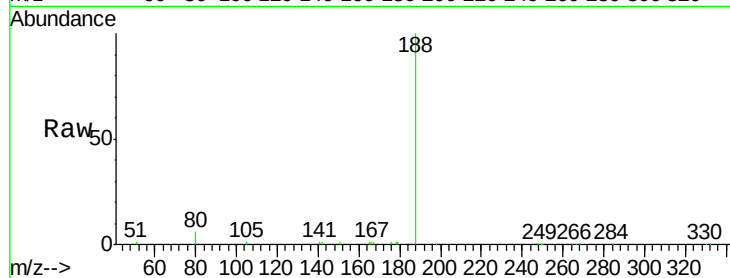
Tot Ion:188 Resp: 18829

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

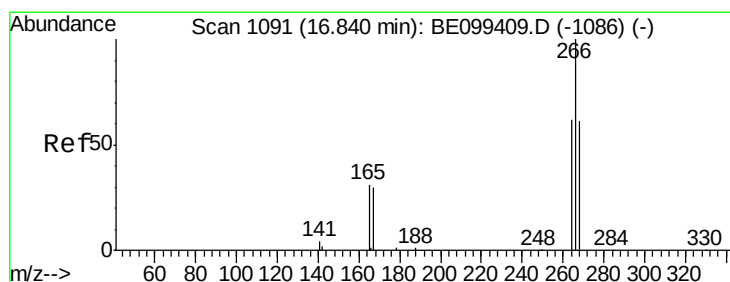
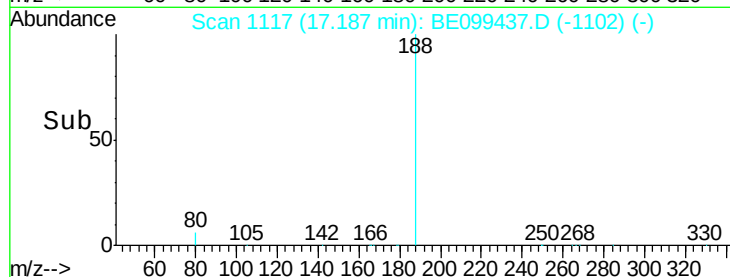
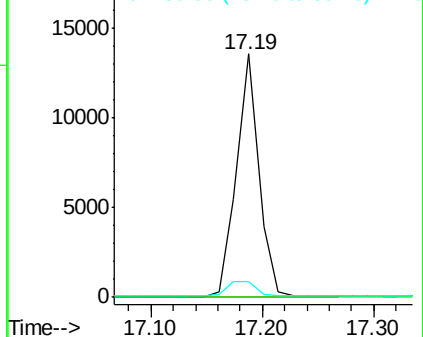
80 6.3 6.7 10.1#



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: 0.224 ng

RT: 16.83 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

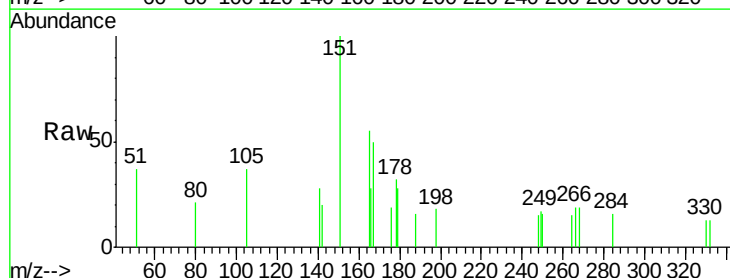
Tgt Ion:266 Resp: 51

Ion Ratio Lower Upper

266 100

264 79.7 50.8 76.2#

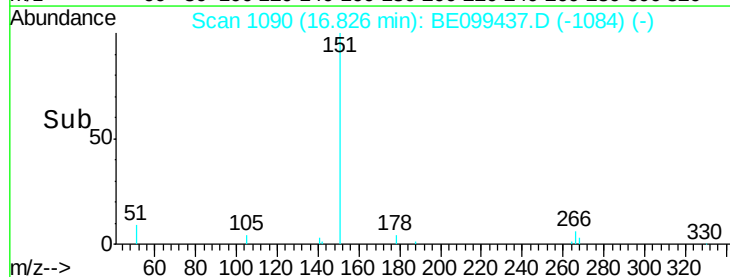
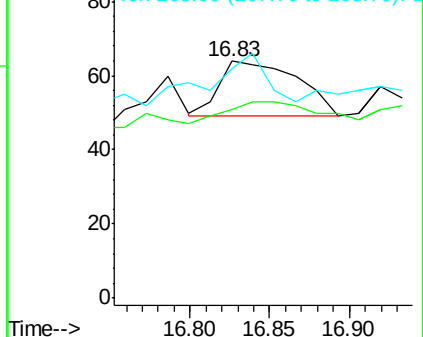
268 96.9 50.5 75.7#

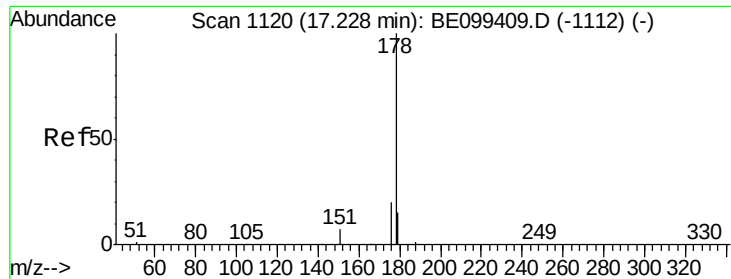


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 2.378 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

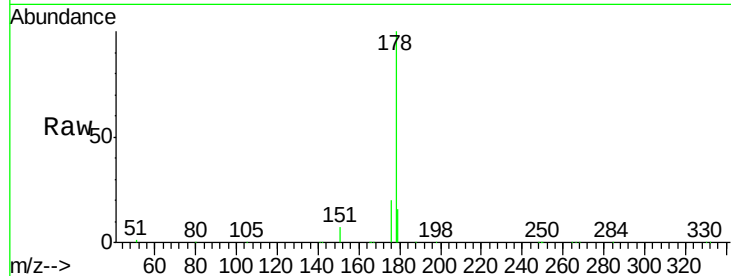
Tot Ion:178 Resp: 115517

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

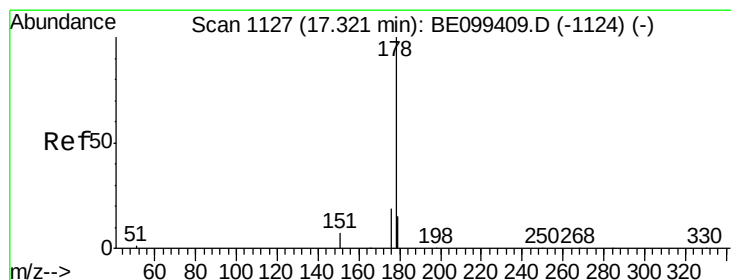
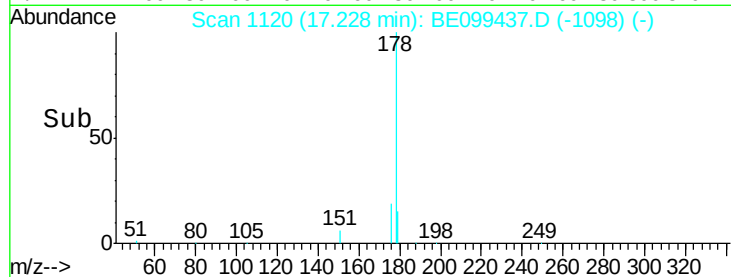
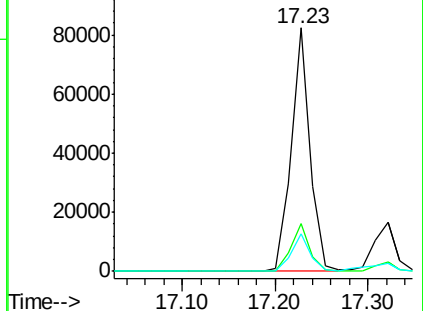
179 15.6 12.0 18.0



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: 0.530 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

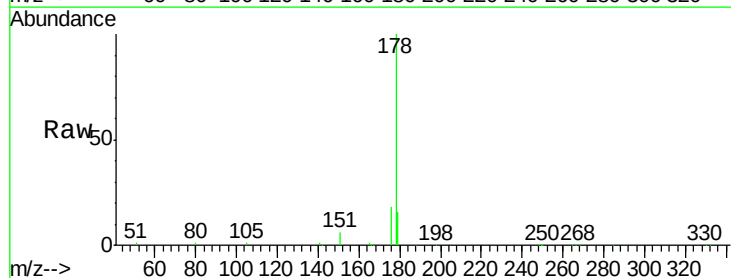
Tgt Ion:178 Resp: 24562

Ion Ratio Lower Upper

178 100

176 19.3 14.9 22.3

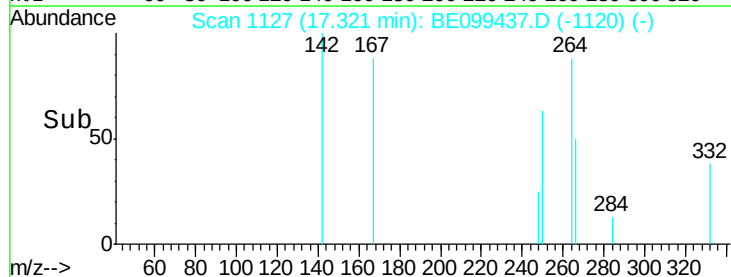
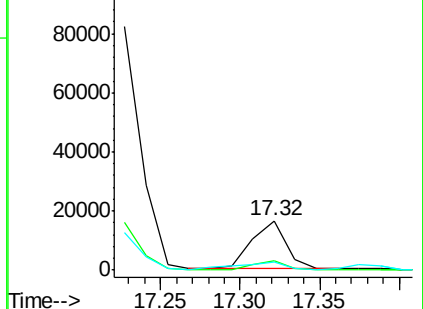
179 21.7 11.9 17.9#

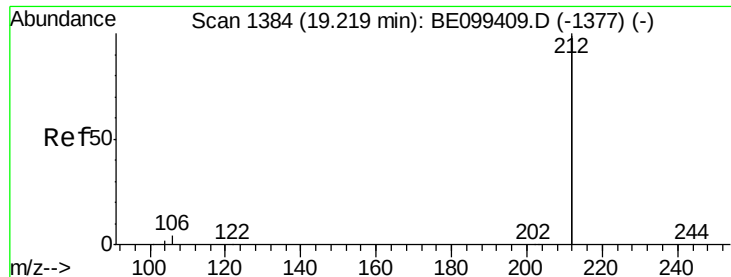


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.258 ng

RT: 19.21 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

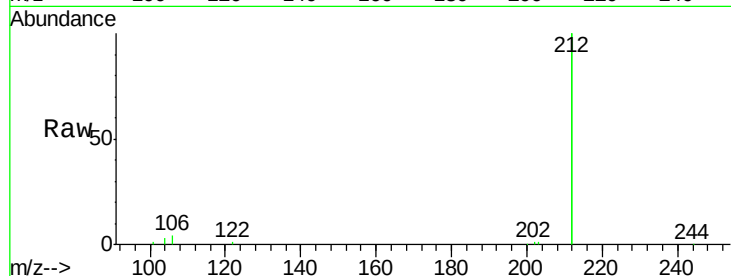
Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

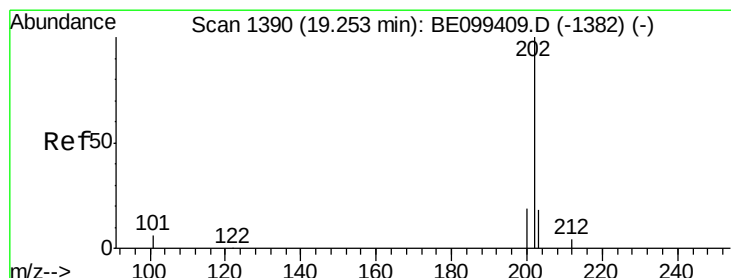
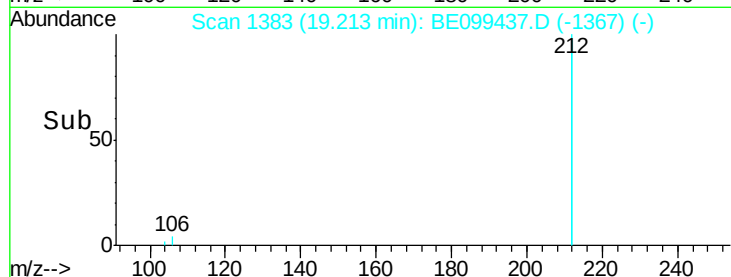
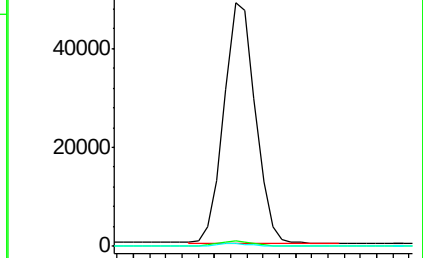
Tot Ion:212	Resp:	65518
Ion Ratio	Lower	Upper
212	100	
106	2.0	1.5 2.3
104	1.1	0.9 1.3



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 2.434 ng

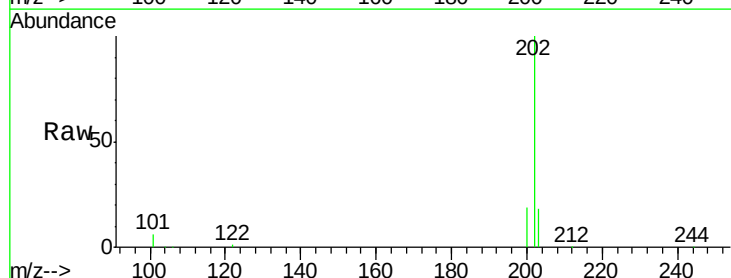
RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

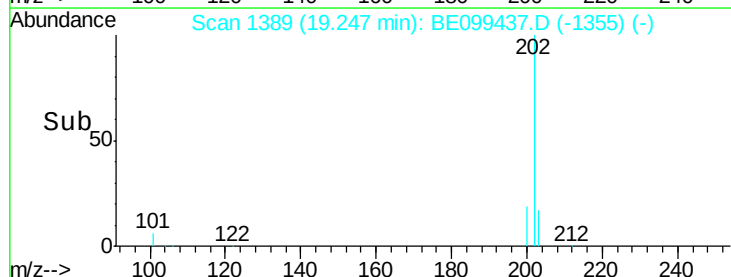
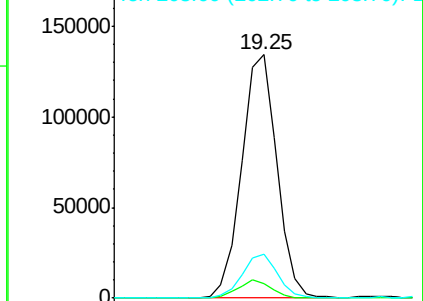
Tgt Ion:202	Resp:	177105
Ion Ratio	Lower	Upper
202	100	
101	6.8	5.4 8.0
203	17.6	13.9 20.9

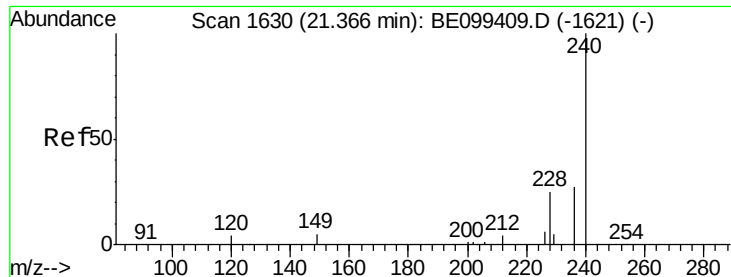


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

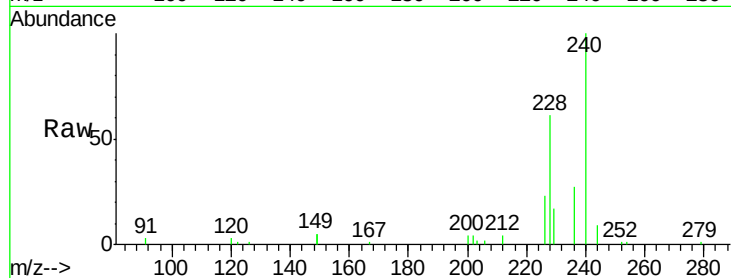
Tot Ion:240 Resp: 29248

Ion Ratio Lower Upper

240 100

120 2.9 4.0 6.0#

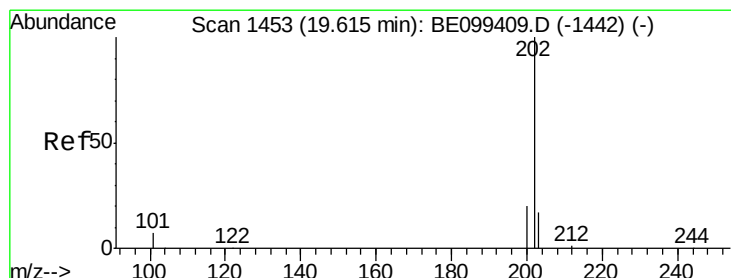
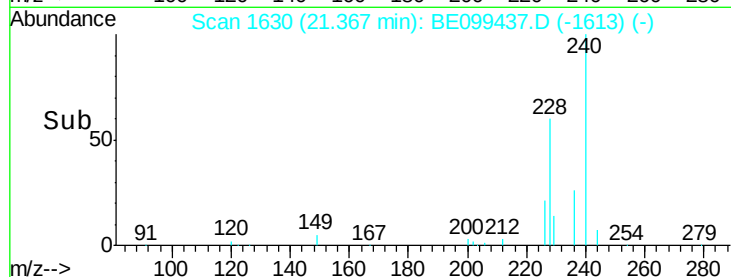
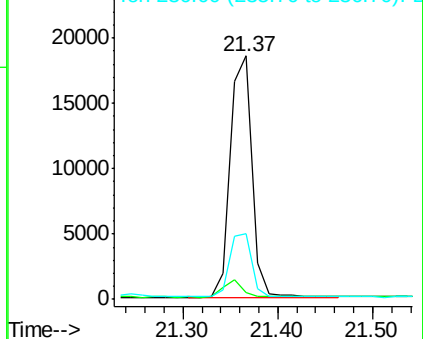
236 26.9 22.0 33.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 2.250 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

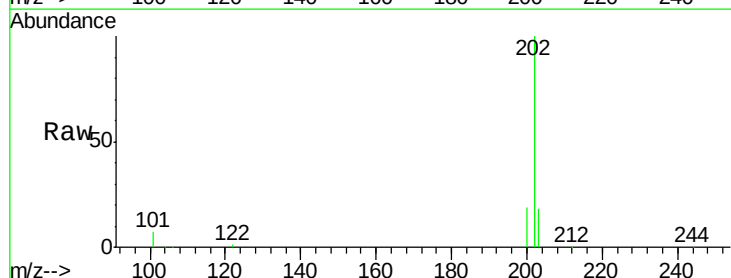
Tgt Ion:202 Resp: 171551

Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

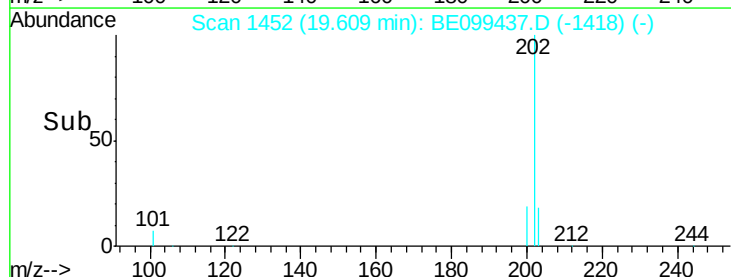
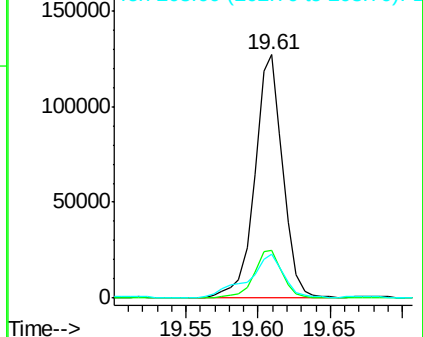
203 23.0 13.9 20.9#

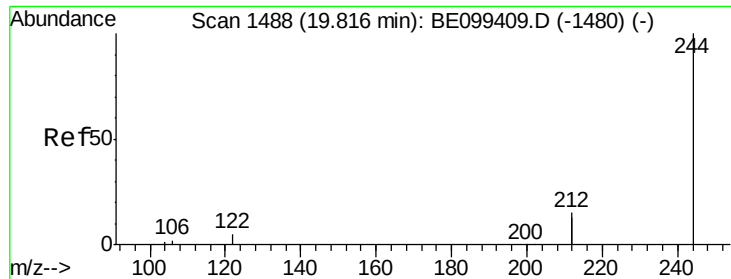


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.250 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

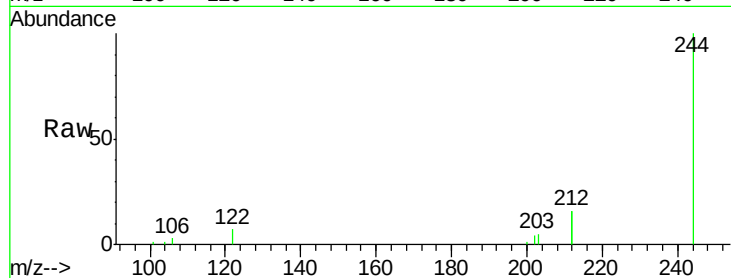
Tot Ion:244 Resp: 13365

Ion Ratio Lower Upper

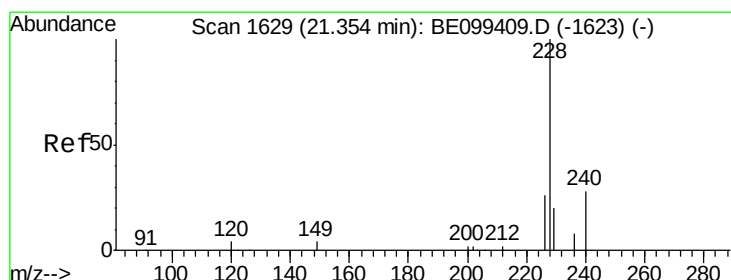
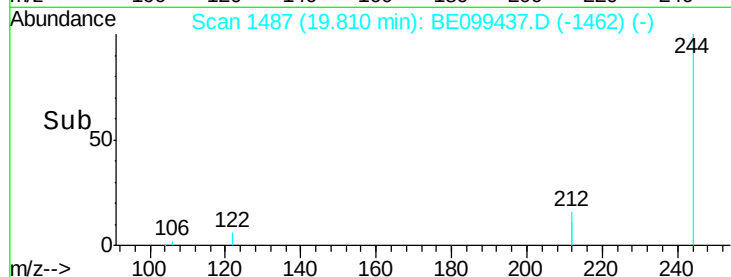
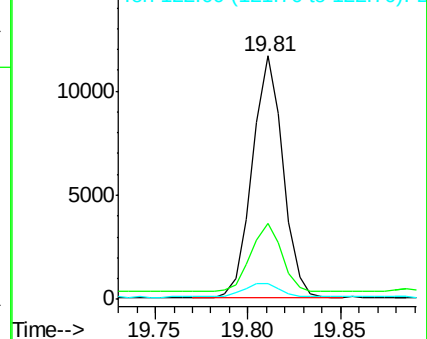
244 100

212 31.0 23.2 34.8

122 6.7 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: 1.238 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

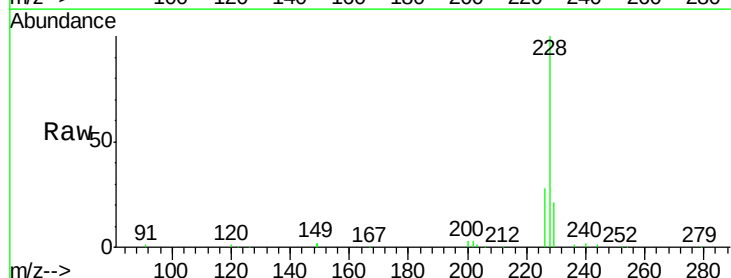
Tgt Ion:228 Resp: 115360

Ion Ratio Lower Upper

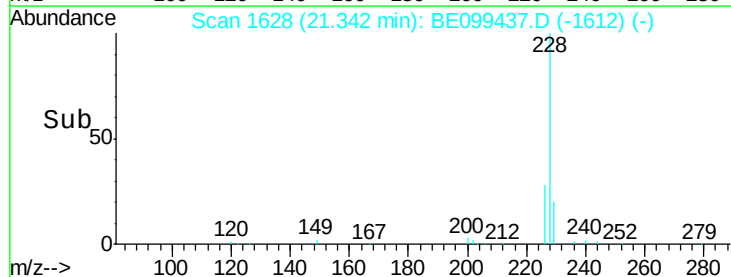
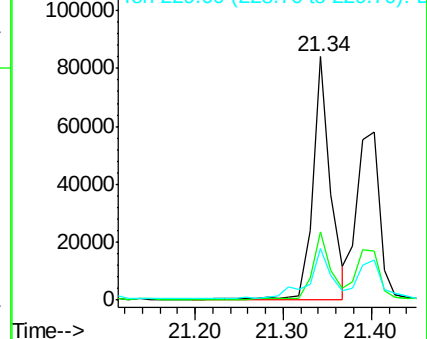
228 100

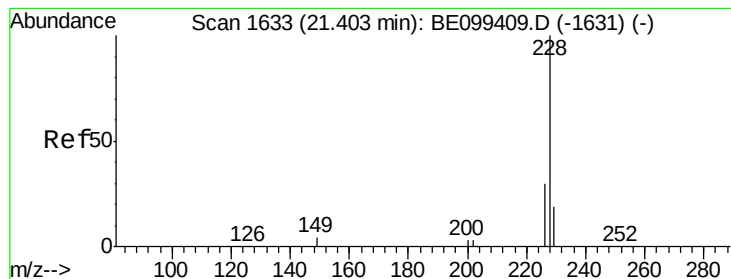
226 28.2 21.0 31.6

229 21.0 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.778 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.06 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

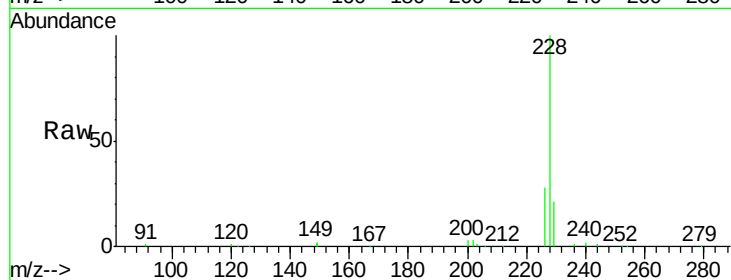
Tot Ion:228 Resp: 70906

Ion Ratio Lower Upper

228 100

226 28.2 24.0 36.0

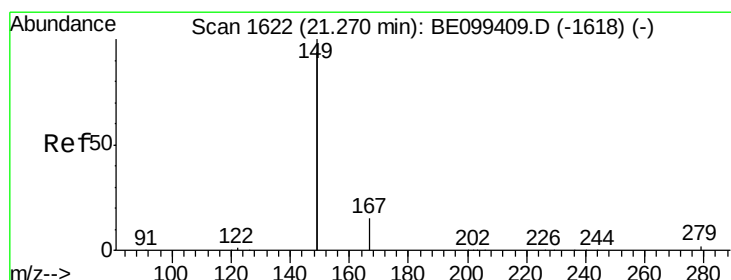
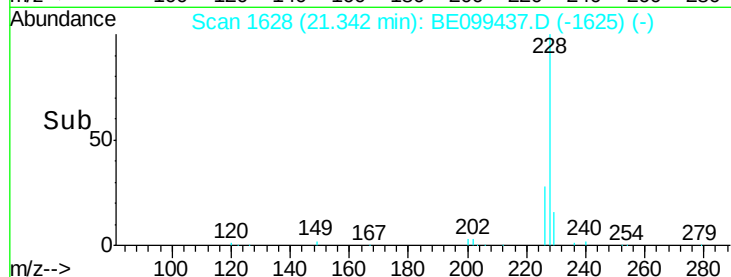
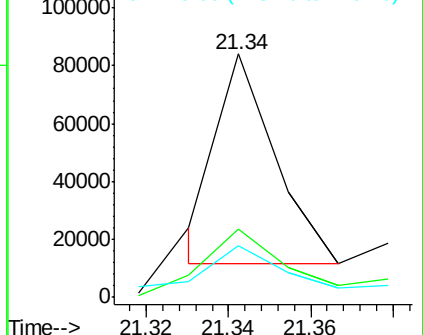
229 21.0 15.8 23.8



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: 0.102 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

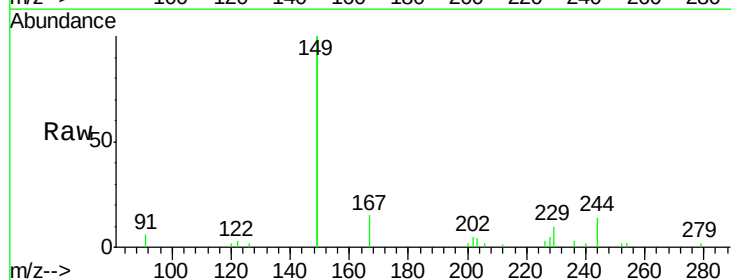
Tgt Ion:149 Resp: 22868

Ion Ratio Lower Upper

149 100

167 8.1 5.8 8.6

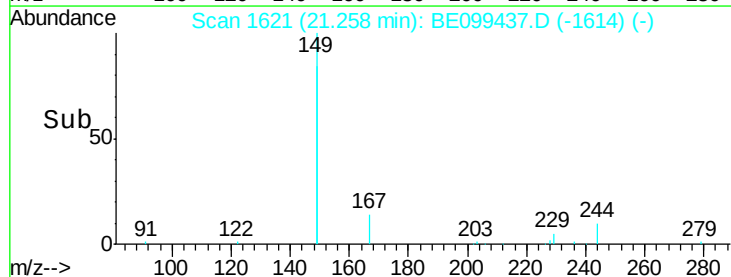
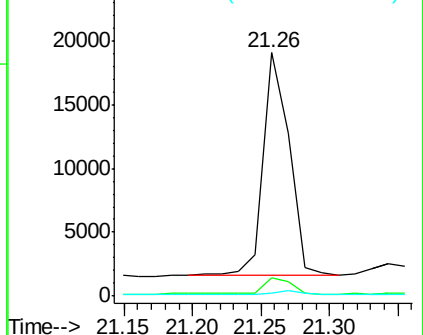
279 1.7 1.0 1.6#

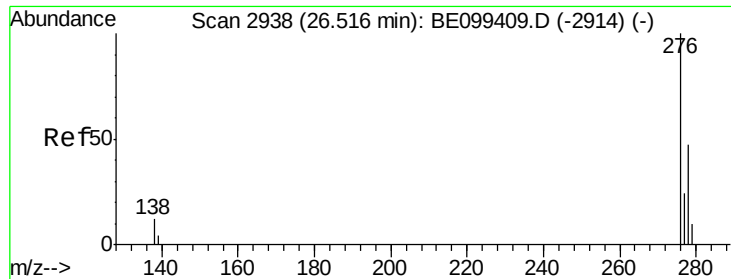


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.493 ng

RT: 26.49 min Scan# 2932

Delta R.T. -0.02 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

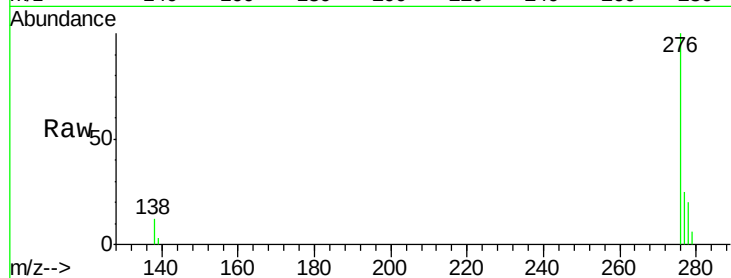
Tot Ion:276 Resp: 53148

Ion Ratio Lower Upper

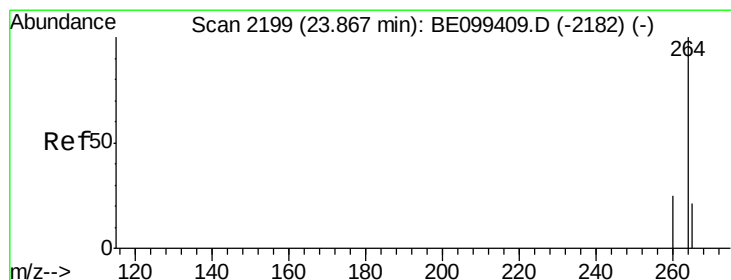
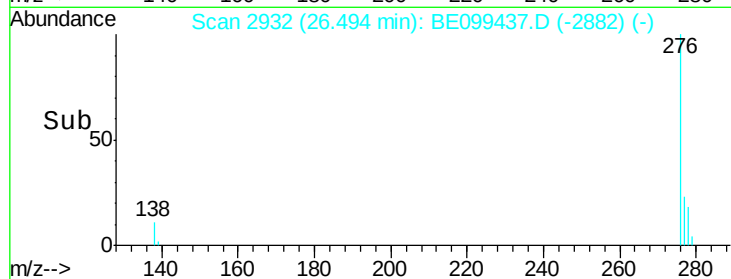
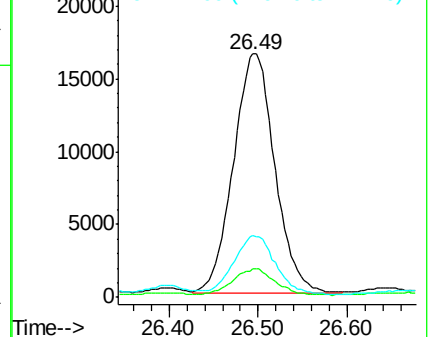
276 100

138 11.2 10.2 15.2

277 24.5 19.2 28.8



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

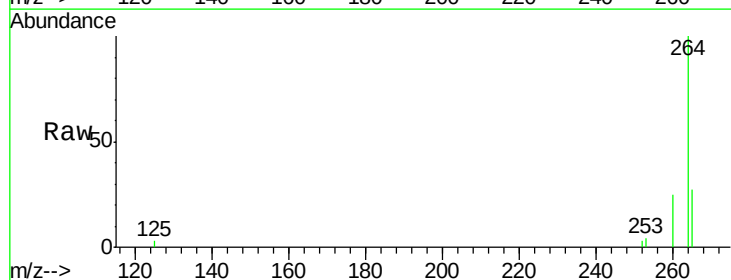
Tgt Ion:264 Resp: 33723

Ion Ratio Lower Upper

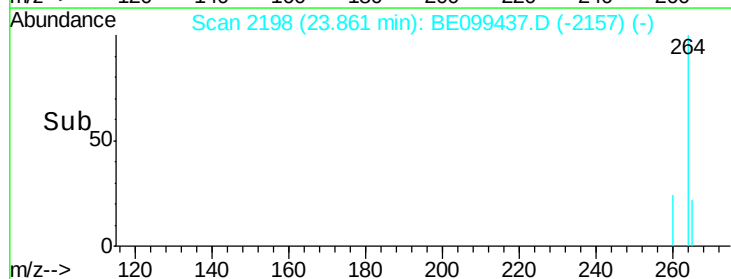
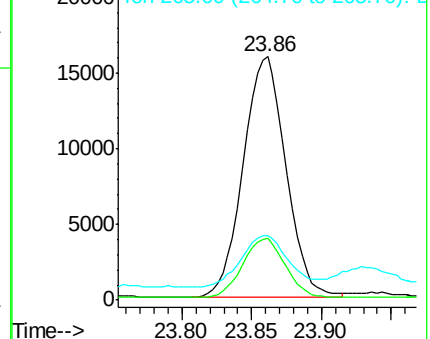
264 100

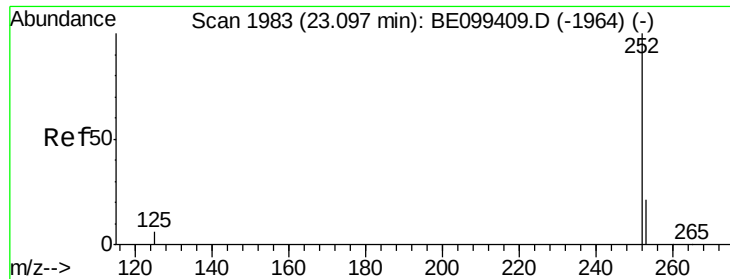
260 25.2 20.2 30.2

265 26.7 21.3 31.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.166 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

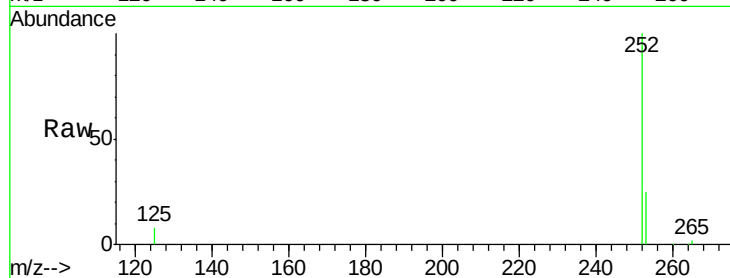
Tot Ion:252 Resp: 113342

Ion Ratio Lower Upper

252 100

253 24.5 18.1 27.1

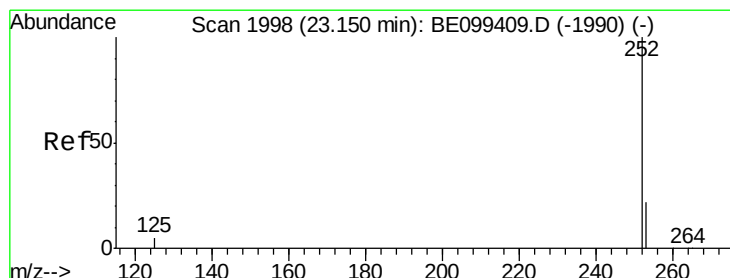
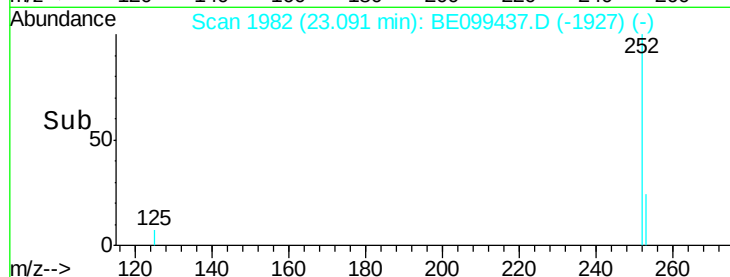
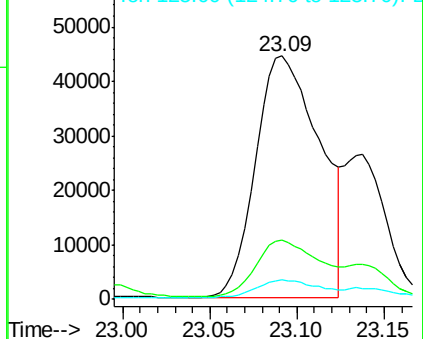
125 7.8 5.6 8.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 1.209 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.06 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

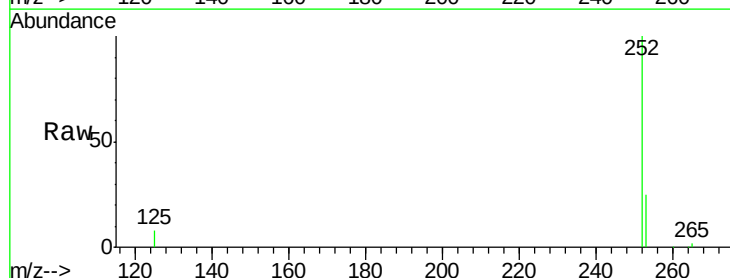
Tgt Ion:252 Resp: 113342

Ion Ratio Lower Upper

252 100

253 24.5 18.4 27.6

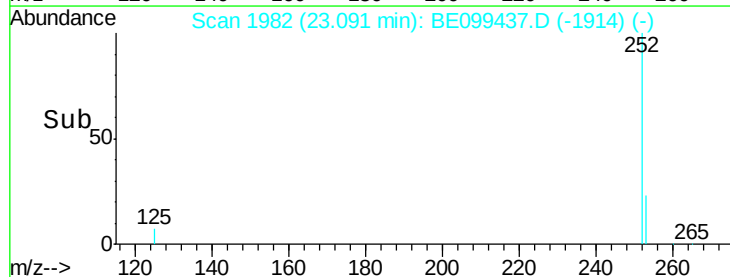
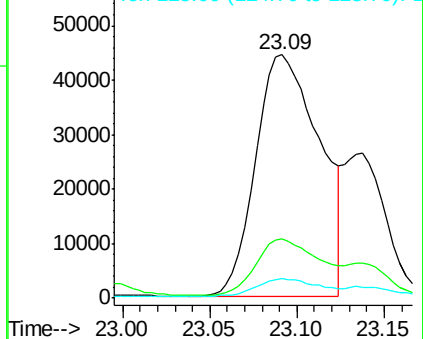
125 7.8 5.0 7.4#

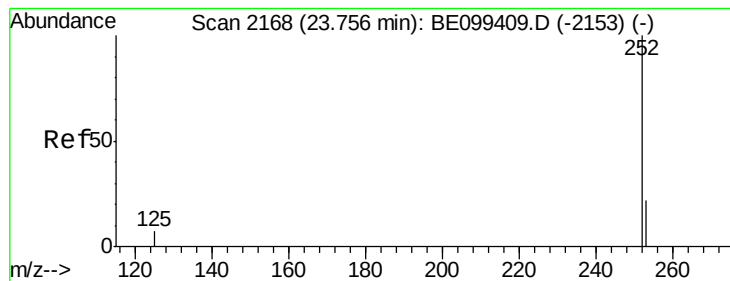


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.957 ng

RT: 23.74 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319

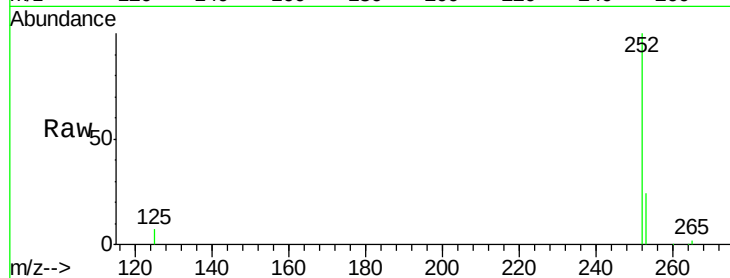
Tot Ion:252 Resp: 88017

Ion Ratio Lower Upper

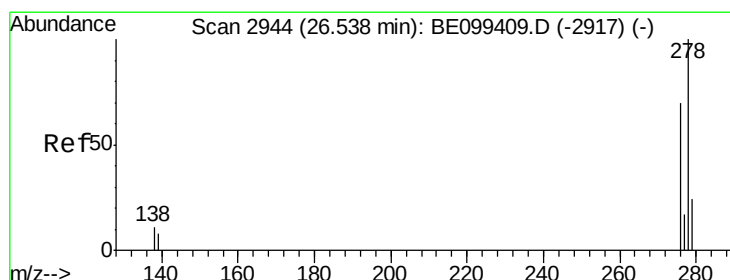
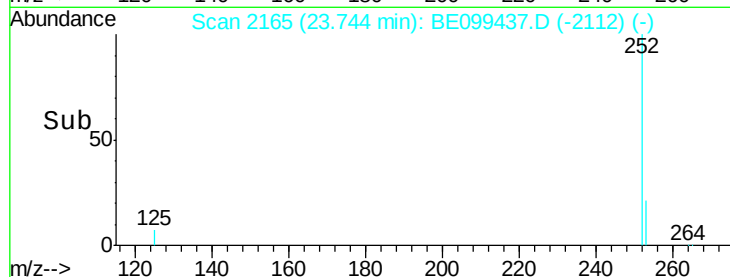
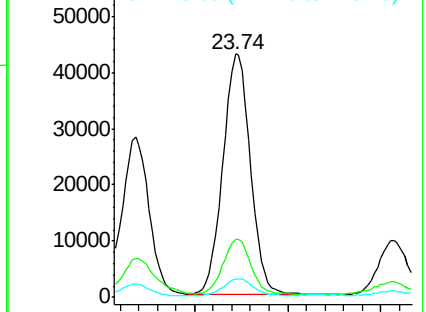
252 100

253 23.6 18.9 28.3

125 7.4 6.7 10.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.158 ng

RT: 26.51 min Scan# 2937

Delta R.T. -0.03 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

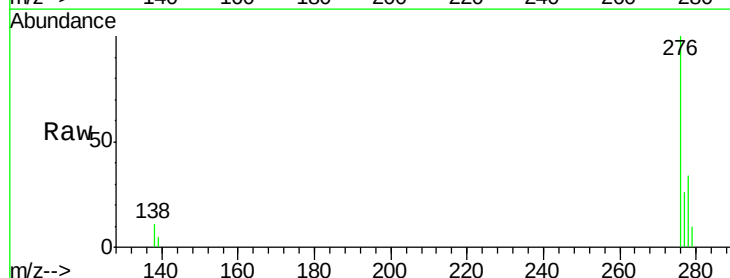
Tgt Ion:278 Resp: 14829

Ion Ratio Lower Upper

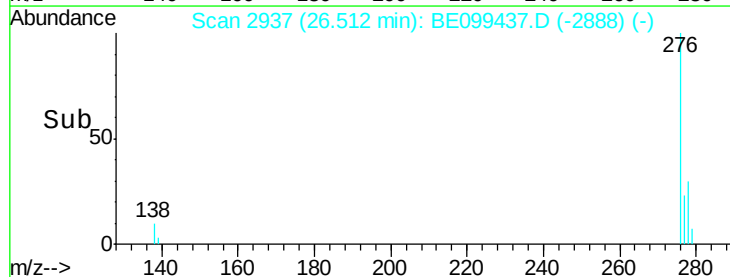
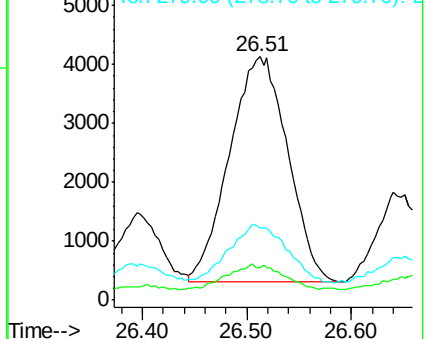
278 100

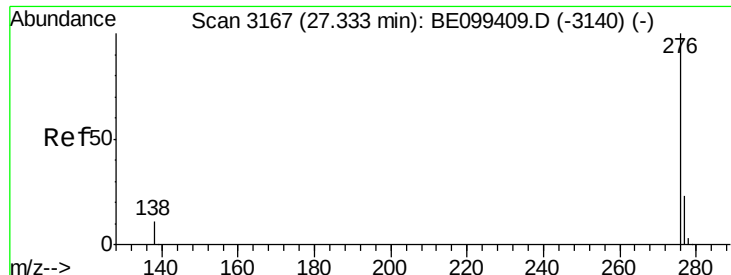
139 13.5 7.7 11.5#

279 29.5 20.2 30.2



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





#39

Benzo(a,h,i)perylene

Concen: 0.547 ng

RT: 27.31 min Scan# 3162

Delta R.T. -0.02 min

Lab File: BE099437.D

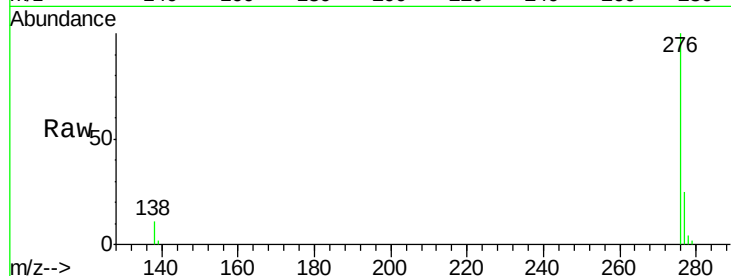
Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

ClientSampleId :

PST-023-SW030-042319



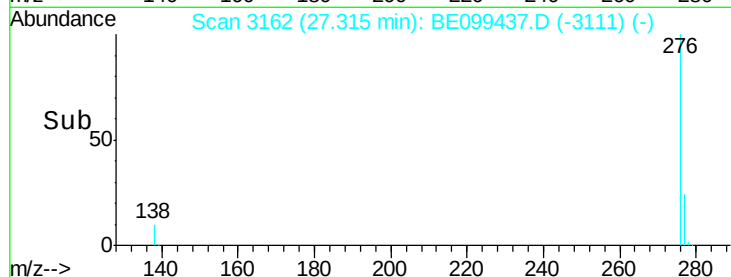
Tot Ion: 276 Resp: 51507

Ion Ratio Lower Upper

276 100

277 25.0 19.5 29.3

138 11.5 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

