

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE041919\
 Data File : BE099350.D
 Acq On : 19 Apr 2019 15:48
 Operator : JU/SJ
 Sample : K2450-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-190416

Quant Time: Apr 19 22:58:08 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	4054	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	13603	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	9067	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	28017	0.40	ng	0.00
27) Chrysene-d12	21.37	240	33084	0.40	ng	0.00
34) Perylene-d12	23.86	264	35895	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1701	0.17	ng	0.00
5) Phenol-d6	6.97	99	2081	0.15	ng	0.00
8) Nitrobenzene-d5	8.96	82	27672	2.62	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	9145	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1231	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	97208	2.73	ng	0.00
25) Fluoranthene-d10	19.22	212	145686	0.43	ng	0.00
29) Terphenyl-d14	19.81	244	232542	3.57	ng	0.00

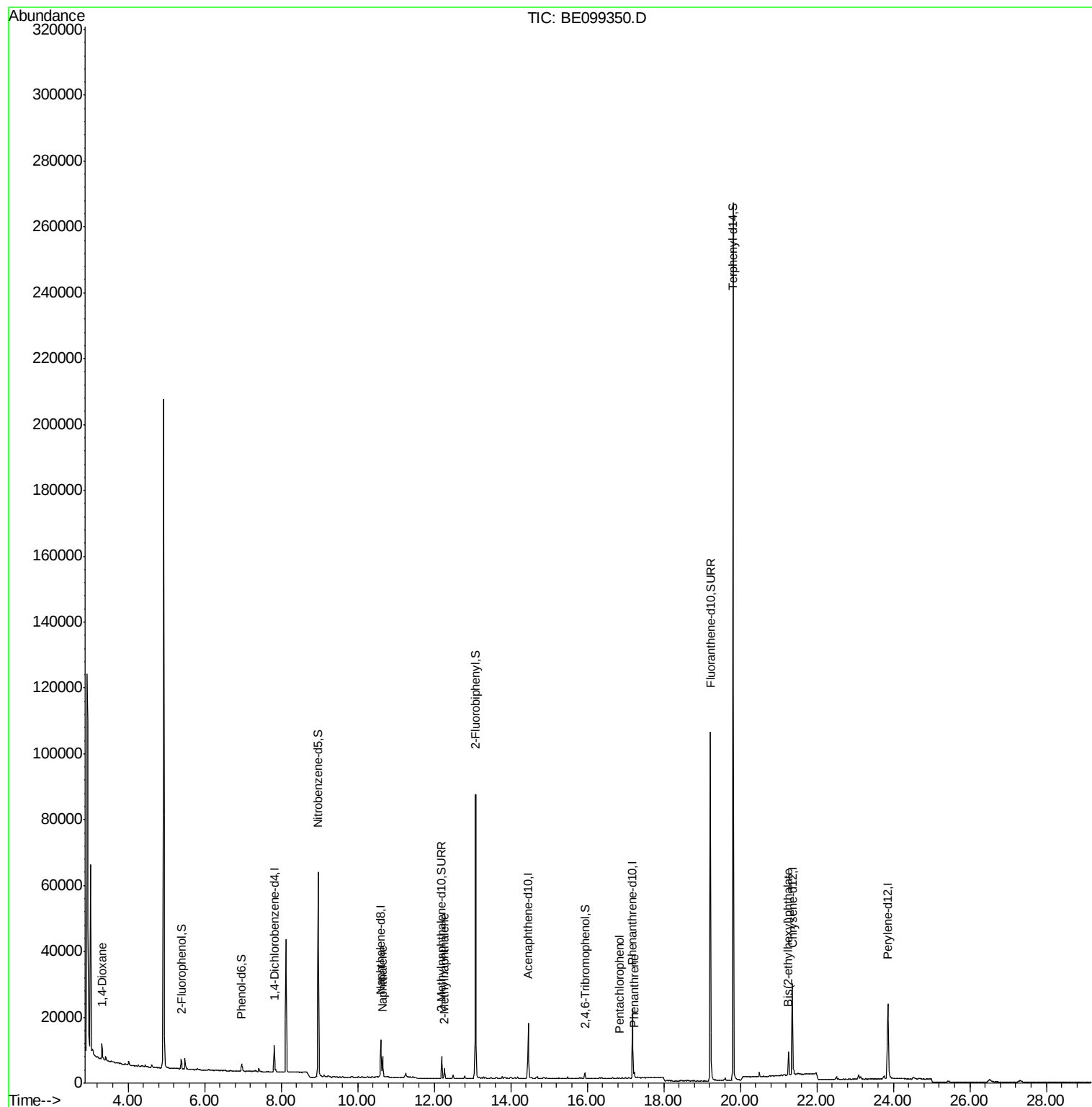
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	630	0.111	ng	# 1
9) Naphthalene	10.65	128	9700	0.065	ng	# 98
12) 2-Methylnaphthalene	12.27	142	2156	0.085	ng	# 96
22) Pentachlorophenol	16.84	266	84	0.234	ng	# 84
23) Phenanthrene	17.23	178	1681	0.023	ng	# 95
32) Bis(2-ethylhexyl)phthalate	21.26	149	10155	0.115	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: 7.82 min Scan# 430

Delta R.T. 0.00 min

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BNA_E

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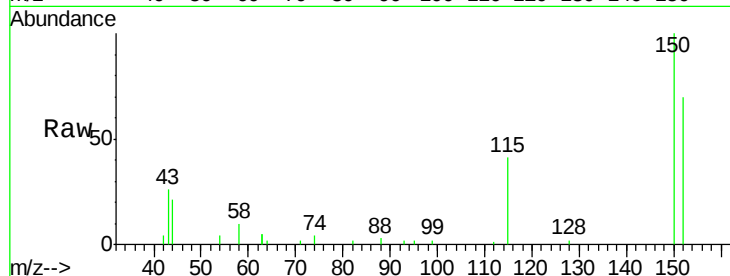
Tgt Ion:152 Resp: 4054

Ion Ratio Lower Upper

152 100

150 143.1 119.5 179.3

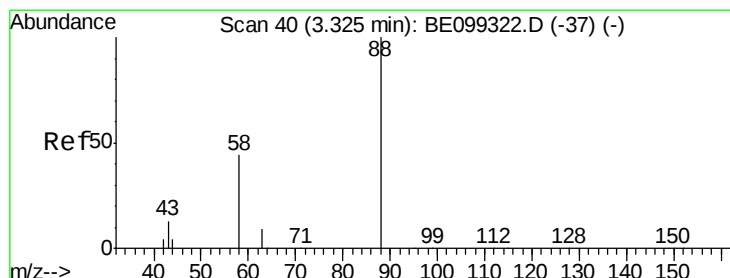
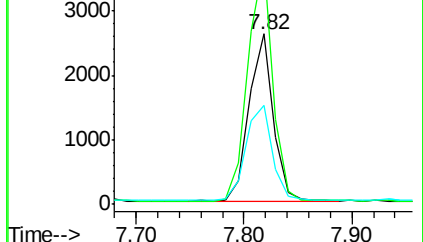
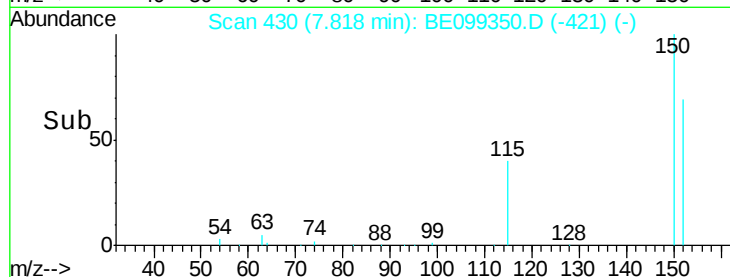
115 58.3 47.5 71.3



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: 0.111 ng

RT: 3.33 min Scan# 40

Delta R.T. 0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

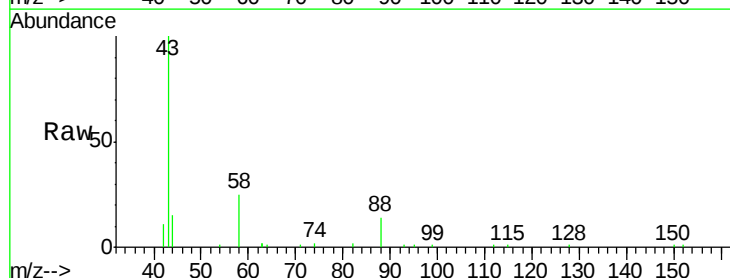
Tgt Ion: 88 Resp: 630

Ion Ratio Lower Upper

88 100

58 76.8 49.1 73.7#

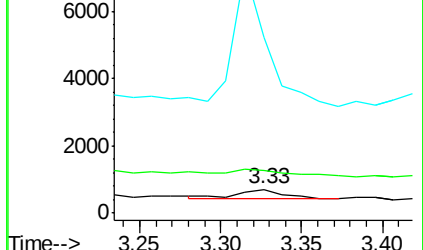
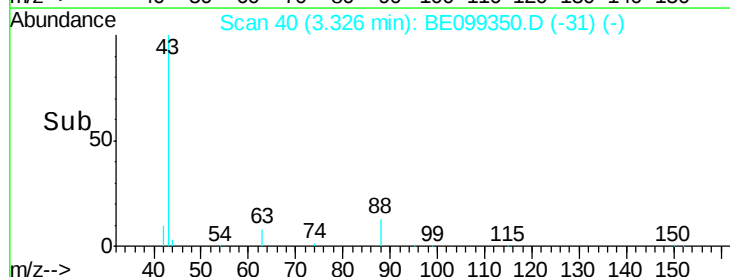
43 928.7 17.9 26.9#

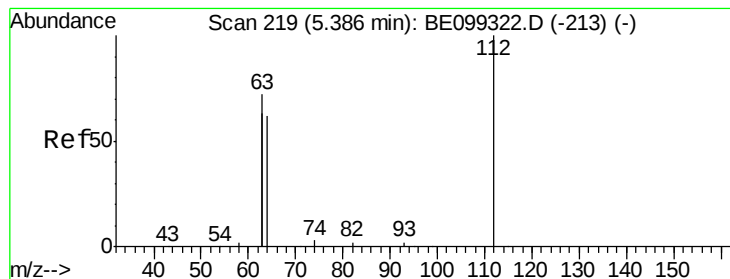


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.172 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

Instrument :

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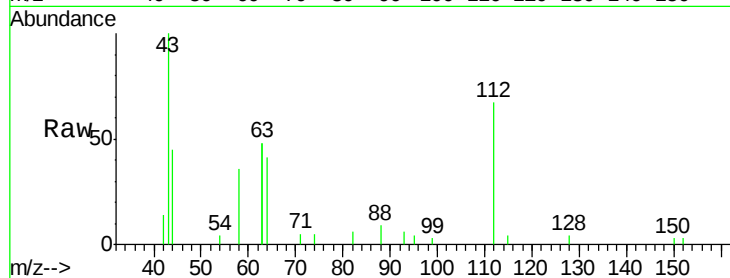
Tgt Ion: 112 Resp: 1701

Ion Ratio Lower Upper

112 100

64 58.4 44.9 67.3

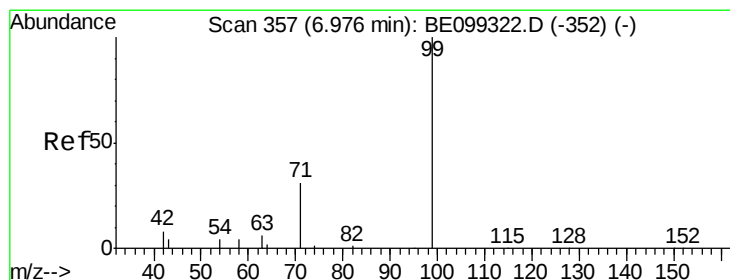
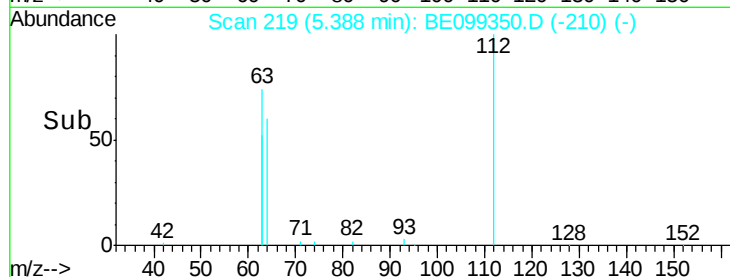
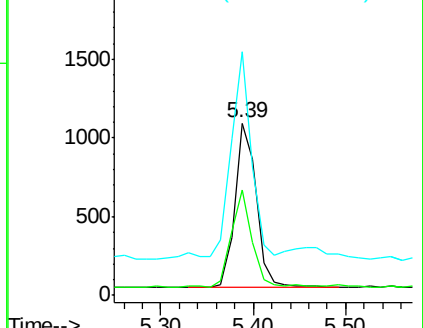
63 118.0 97.4 146.0



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: 0.147 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

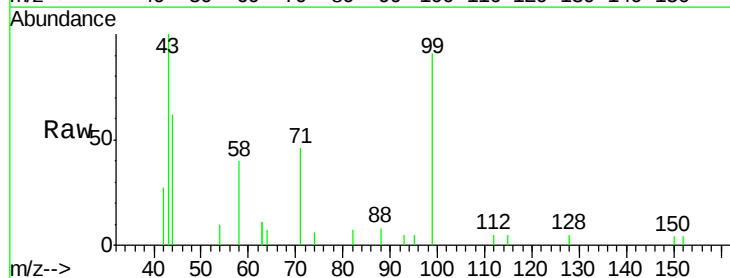
Tgt Ion: 99 Resp: 2081

Ion Ratio Lower Upper

99 100

42 17.0 11.7 17.5

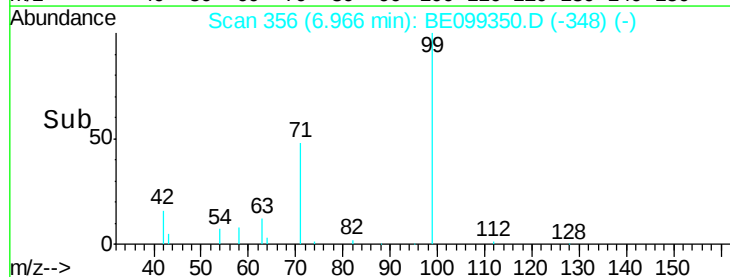
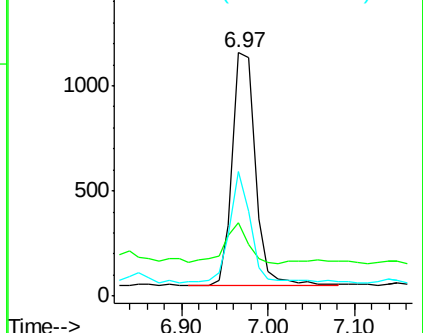
71 44.7 29.6 44.4#

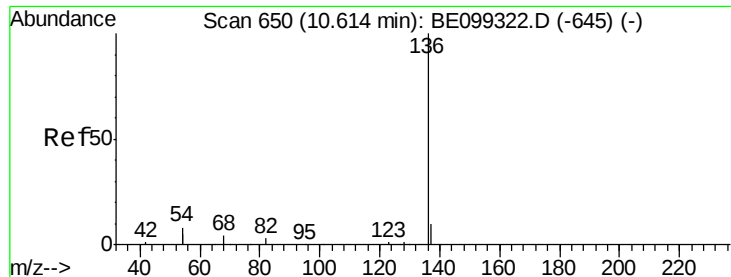


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

Instrument :

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Tgt Ion:136 Resp: 13603

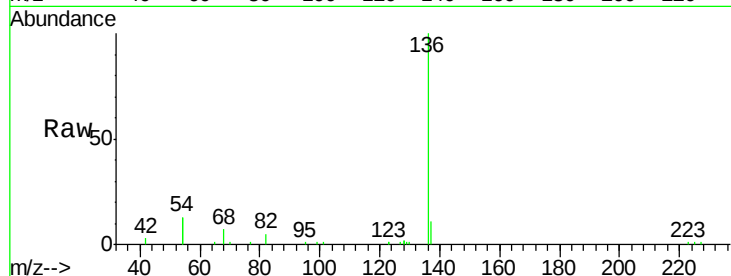
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 26.5 23.8 35.8

68 6.8 6.4 9.6

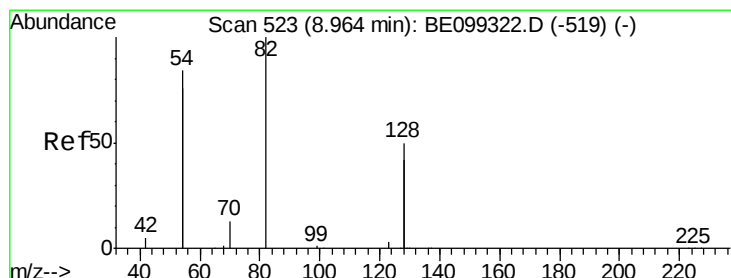
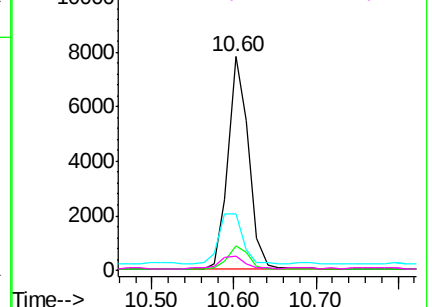
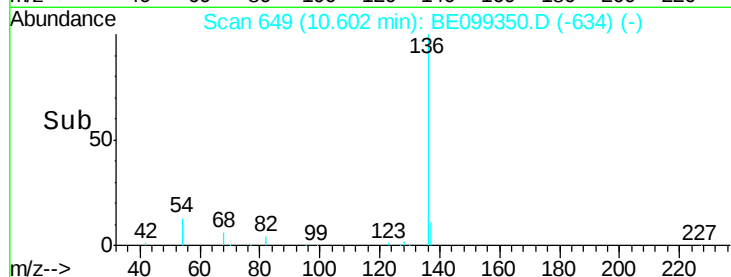


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 2.621 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

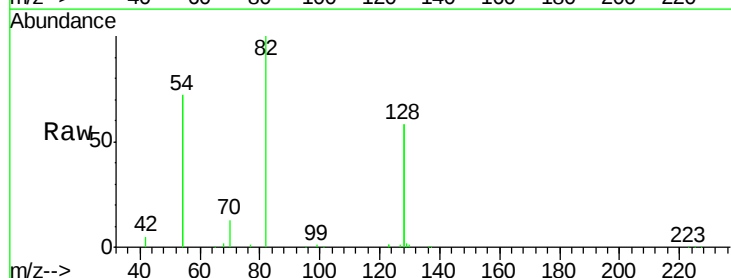
Tgt Ion: 82 Resp: 27672

Ion Ratio Lower Upper

82 100

128 115.5 91.7 137.5

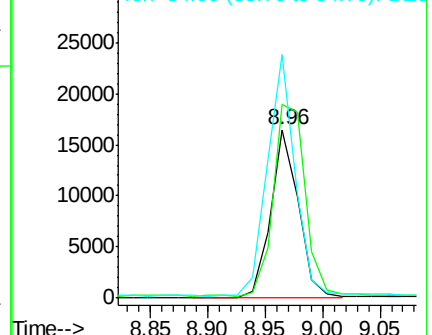
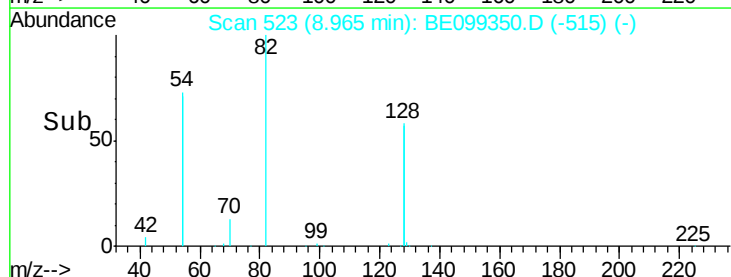
54 144.8 122.8 184.2

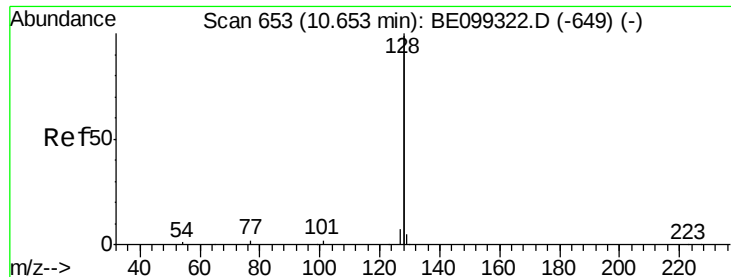


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.065 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

Instrument :

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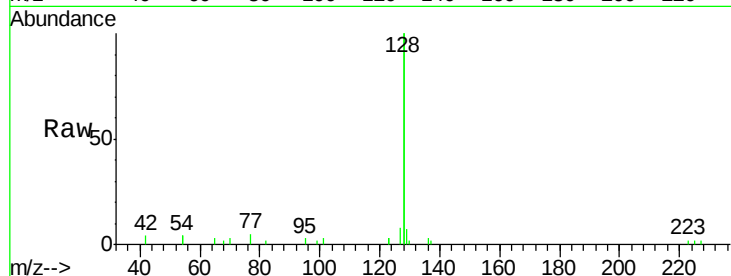
Tgt Ion:128 Resp: 9700

Ion Ratio Lower Upper

128 100

129 3.5 2.3 3.5#

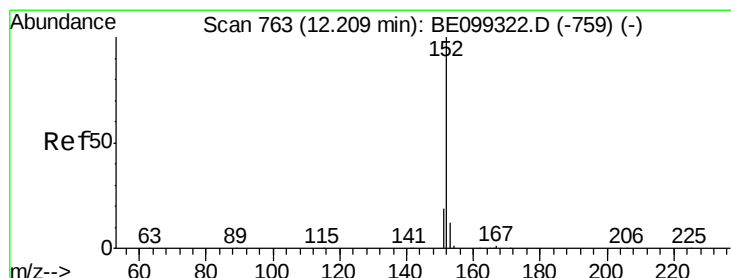
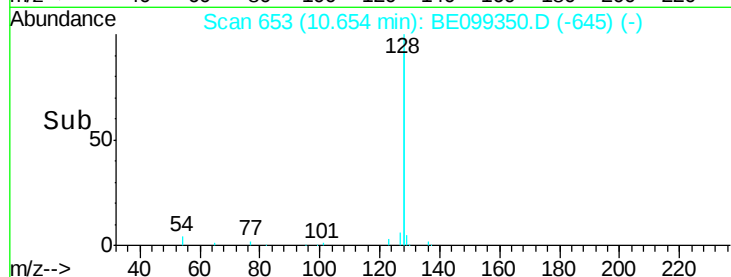
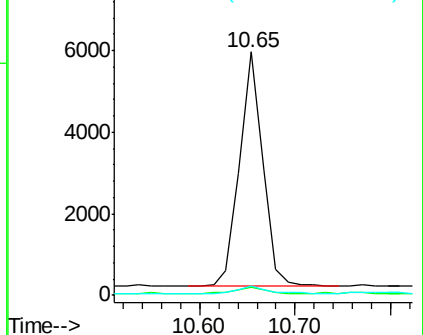
127 4.1 2.8 4.2



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: 0.381 ng

RT: 12.19 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099350.D

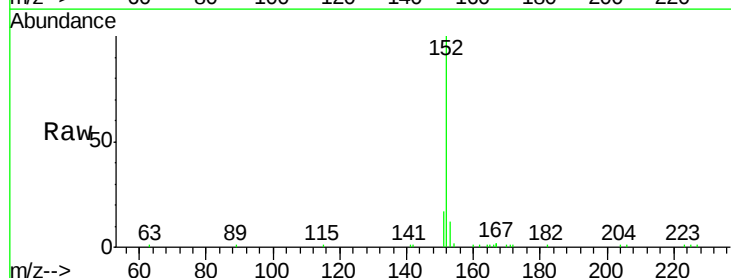
Acq: 19 Apr 2019 15:48

Tgt Ion:152 Resp: 9145

Ion Ratio Lower Upper

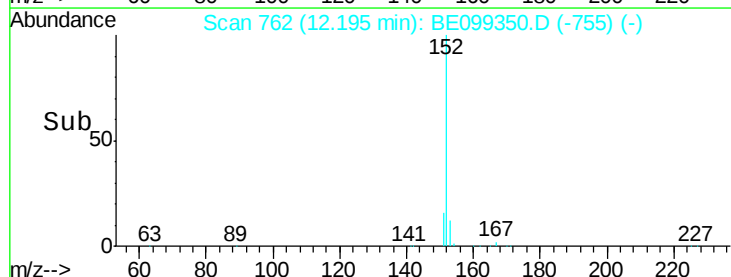
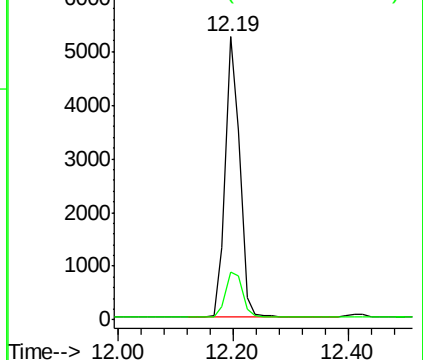
152 100

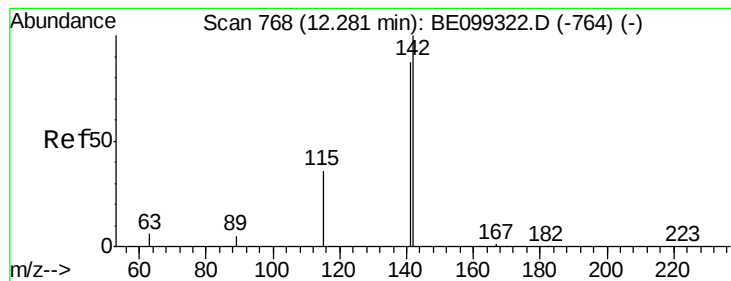
151 18.9 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.085 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

Instrument :

BNA_E

ClientSampleId :

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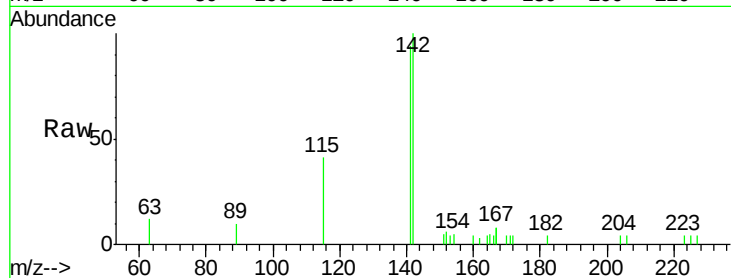
Tgt Ion:142 Resp: 2156

Ion Ratio Lower Upper

142 100

141 94.4 72.0 108.0

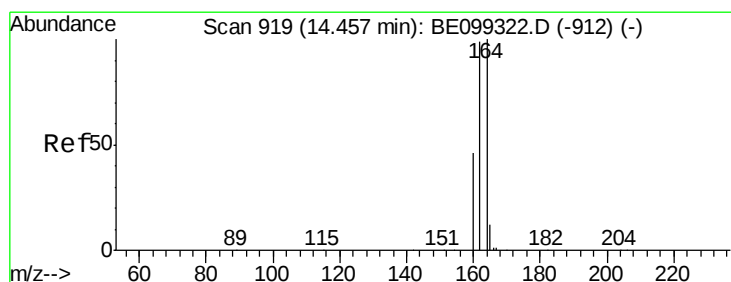
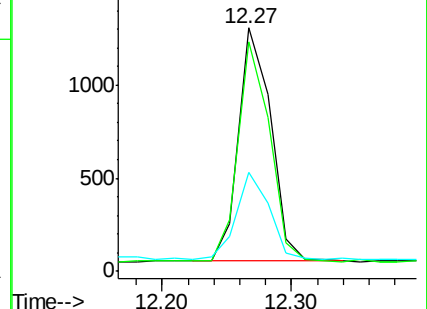
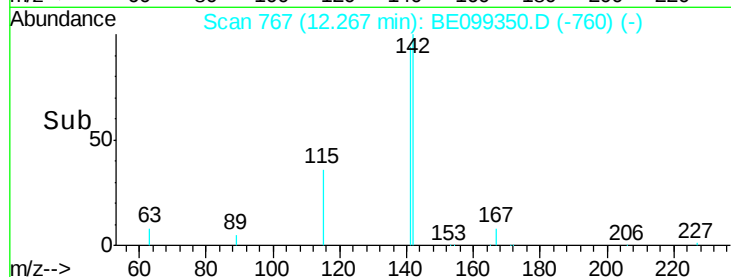
115 40.7 33.4 50.0



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: BE099350.D

Acq: 19 Apr 2019 15:48

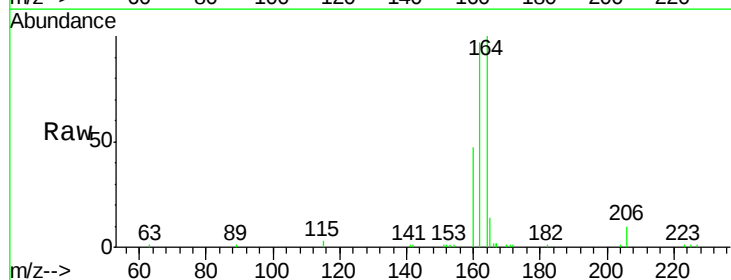
Tgt Ion:164 Resp: 9067

Ion Ratio Lower Upper

164 100

162 97.2 77.8 116.6

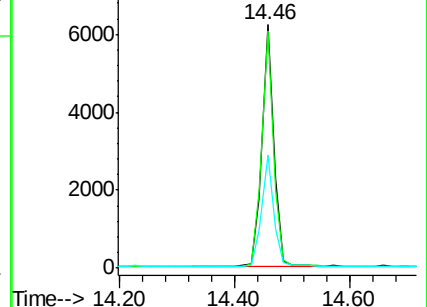
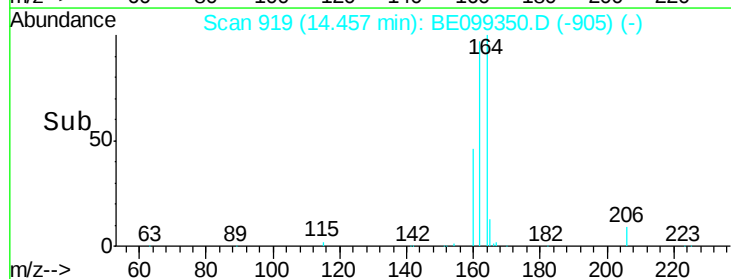
160 46.5 37.1 55.7

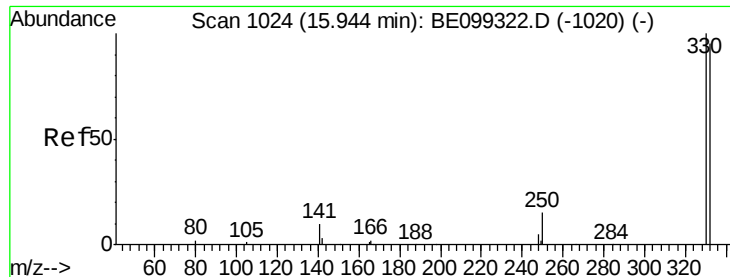


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

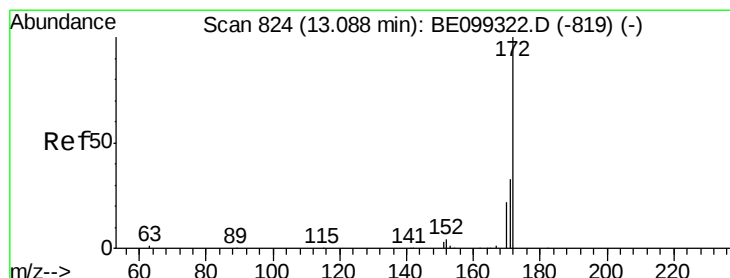
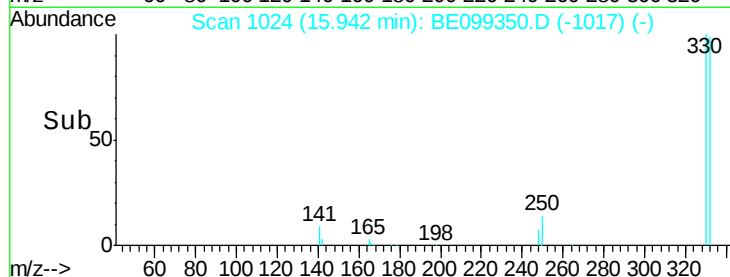
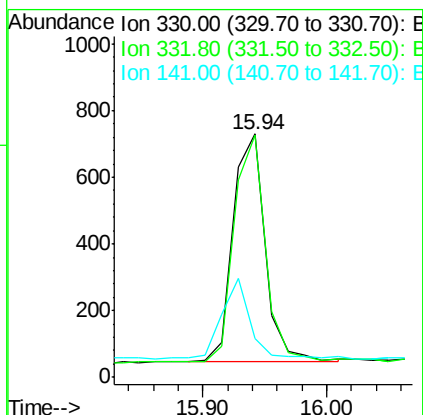
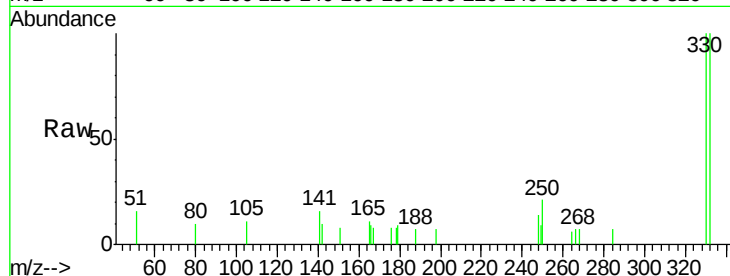




#14
 2,4,6-Tribromophenol
 Concen: 0.409 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099350.D
 Acq: 19 Apr 2019 15:48

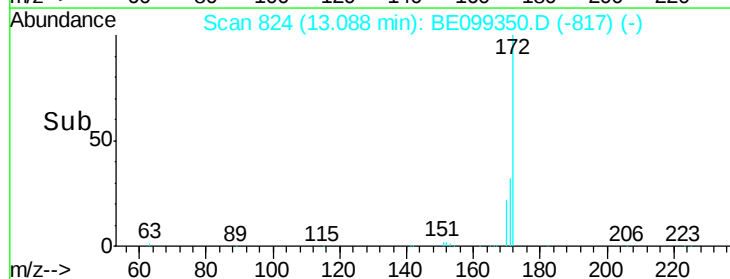
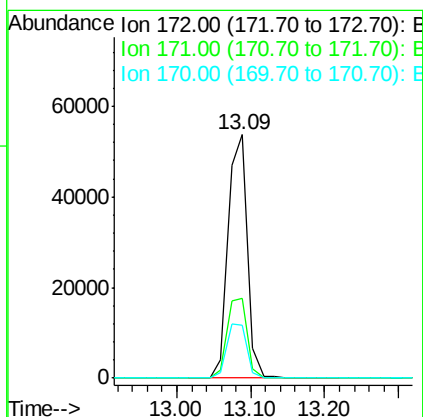
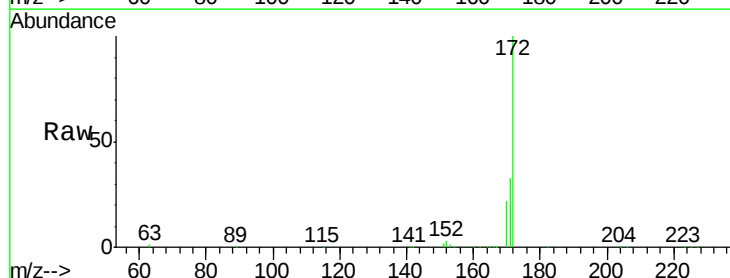
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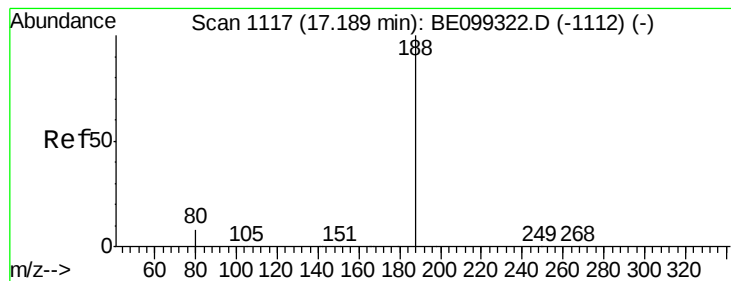
Tgt Ion: 330 Resp: 1231
 Ion Ratio Lower Upper
 330 100
 332 96.5 82.5 123.7
 141 33.5 24.9 37.3



#15
 2-Fluorobiphenyl
 Concen: 2.728 ng
 RT: 13.09 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BE099350.D
 Acq: 19 Apr 2019 15:48

Tgt Ion: 172 Resp: 97208
 Ion Ratio Lower Upper
 172 100
 171 32.5 26.2 39.2
 170 21.6 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-190416

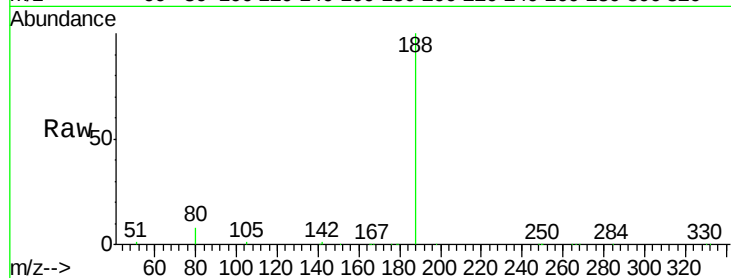
Tgt Ion:188 Resp: 28017

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

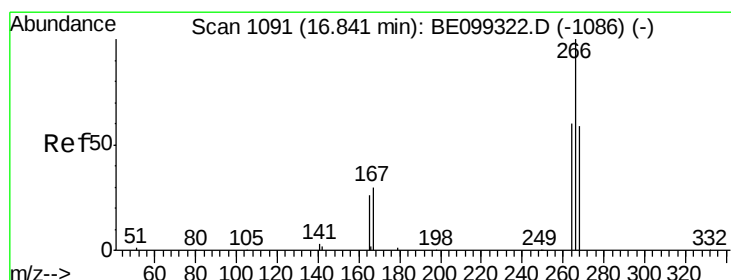
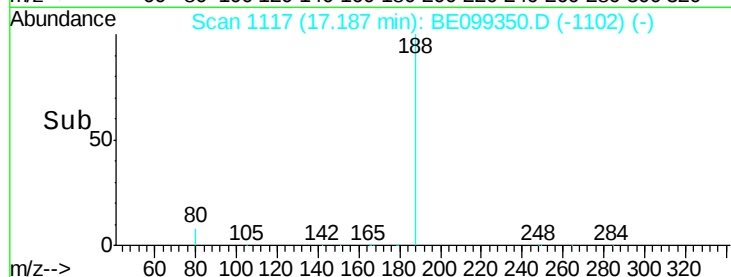
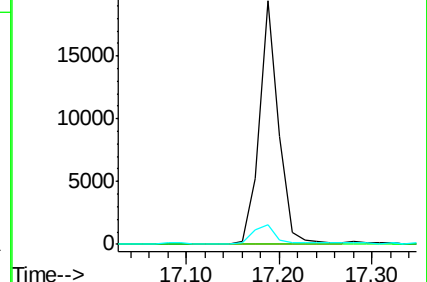
80 7.9 6.2 9.4



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



#22

Pentachlorophenol

Concen: 0.234 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

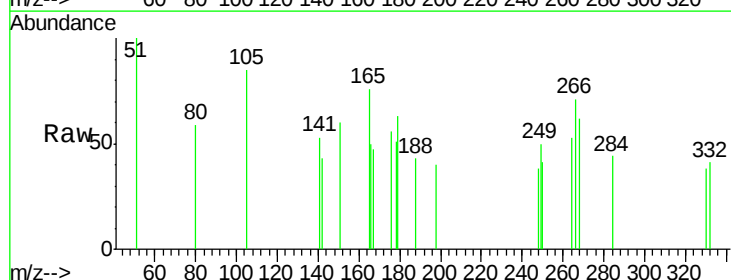
Tgt Ion:266 Resp: 84

Ion Ratio Lower Upper

266 100

264 74.7 54.5 81.7

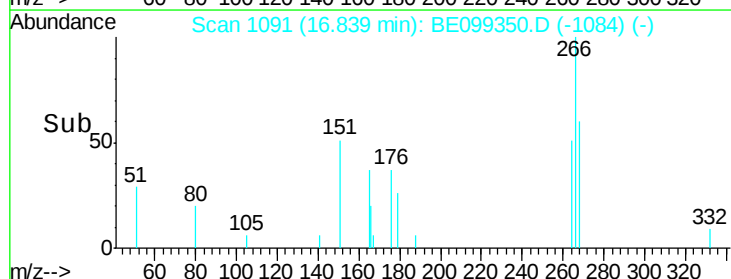
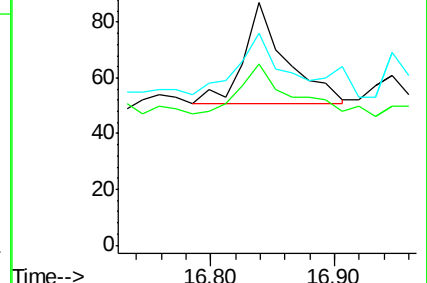
268 87.4 54.3 81.5#

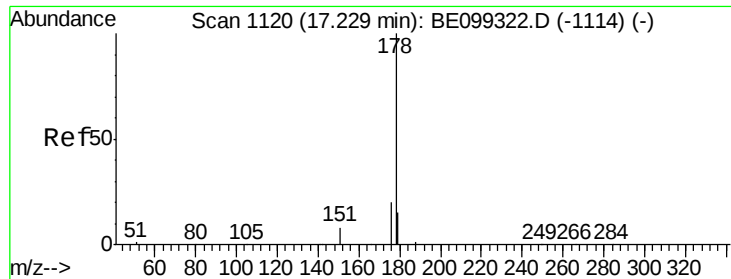


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.023 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-190416

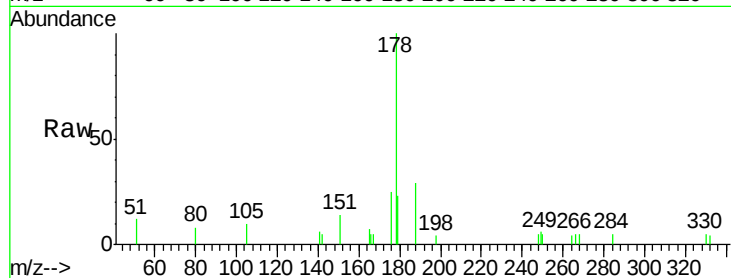
Tgt Ion:178 Resp: 1681

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

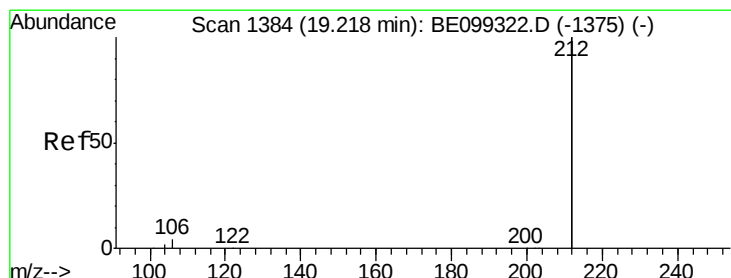
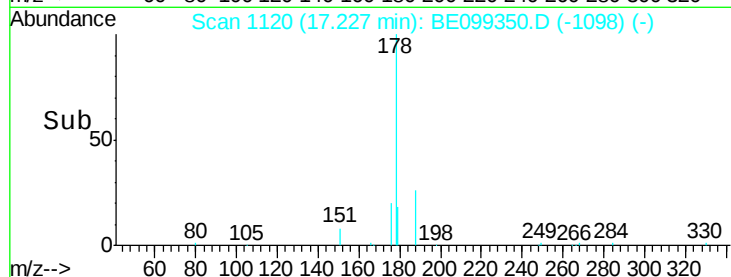
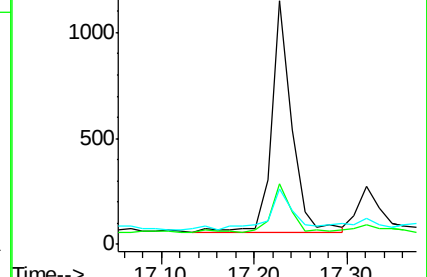
179 19.8 12.4 18.6#



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



#25

Fluoranthene-d10

Concen: 0.433 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

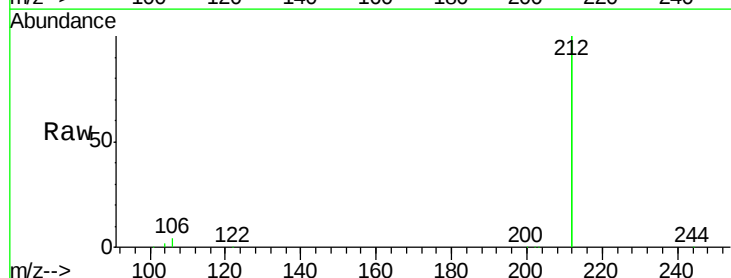
Tgt Ion:212 Resp: 145686

Ion Ratio Lower Upper

212 100

106 2.2 1.8 2.6

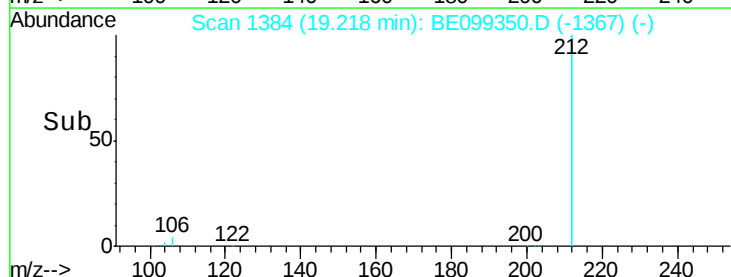
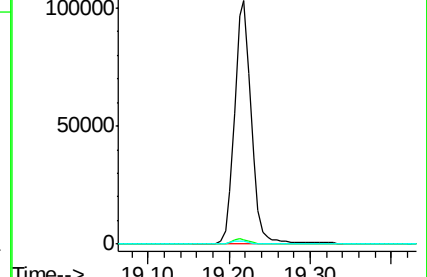
104 1.3 1.0 1.4

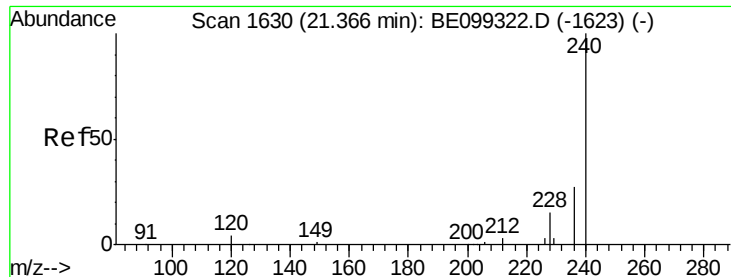


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-190416

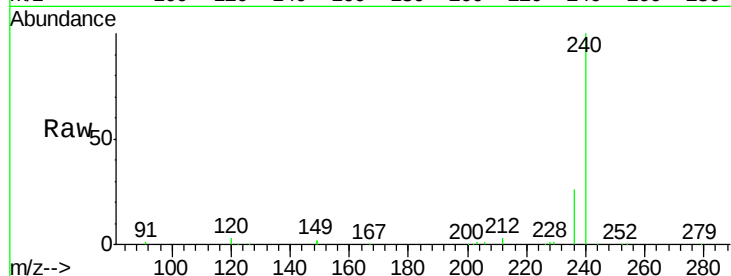
Tgt Ion:240 Resp: 33084

Ion Ratio Lower Upper

240 100

120 2.9 2.2 3.2

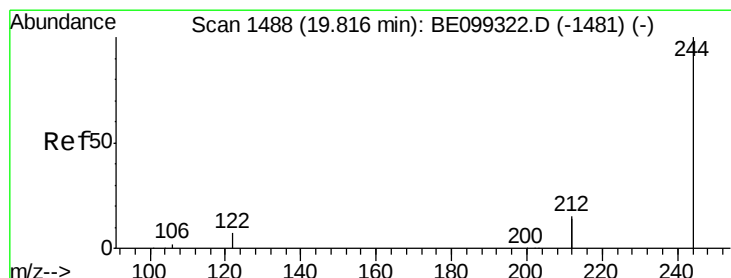
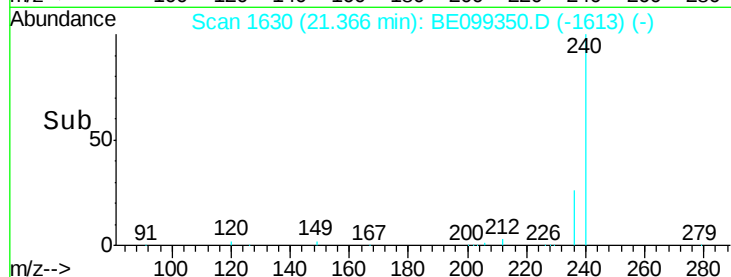
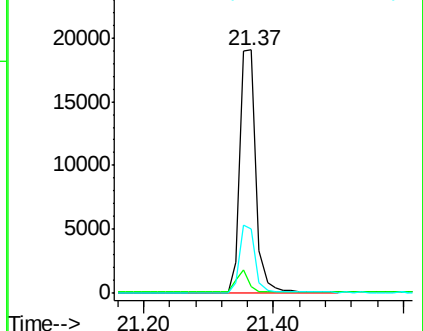
236 26.3 20.2 30.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#29

Terphenyl-d14

Concen: 3.571 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

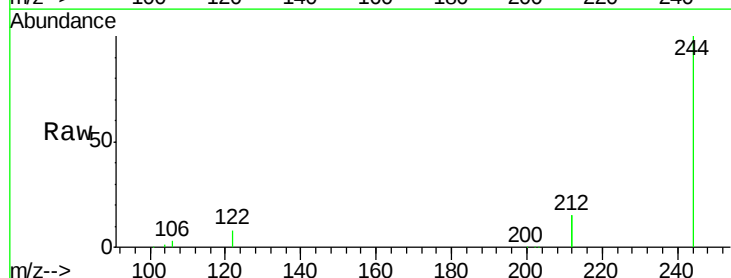
Tgt Ion:244 Resp: 232542

Ion Ratio Lower Upper

244 100

212 30.2 22.6 33.8

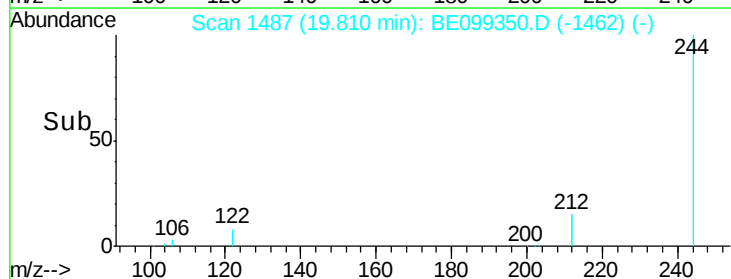
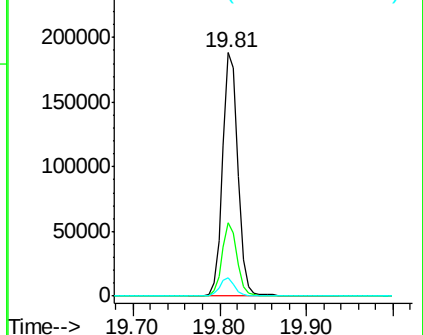
122 7.6 4.6 7.0#

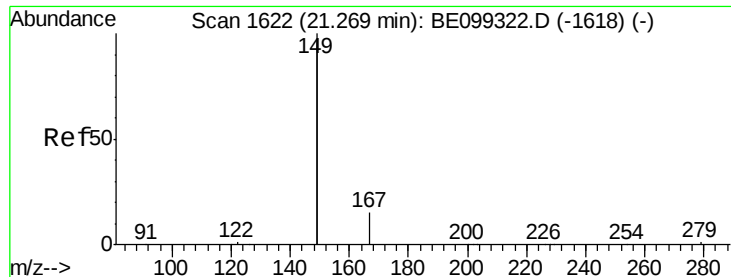


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.115 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-190416

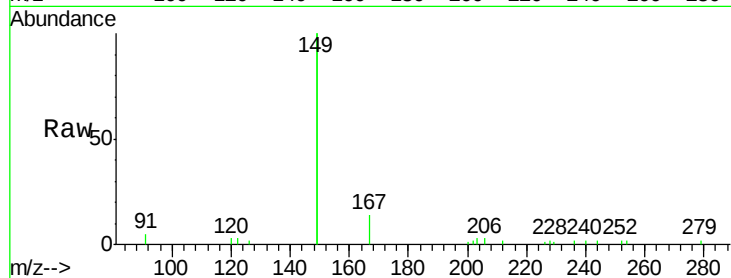
Tgt Ion:149 Resp: 10155

Ion Ratio Lower Upper

149 100

167 7.9 6.0 9.0

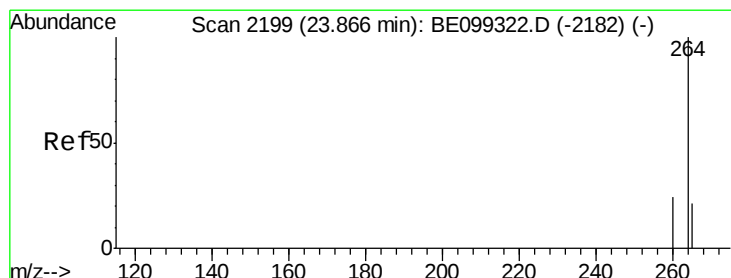
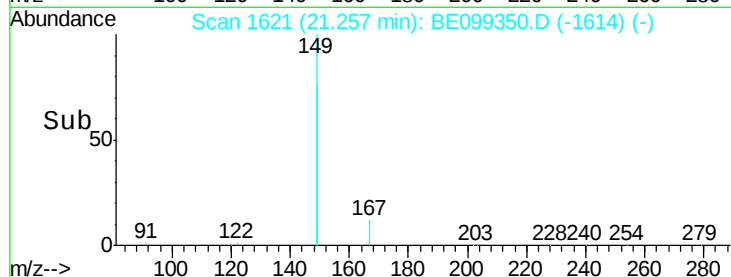
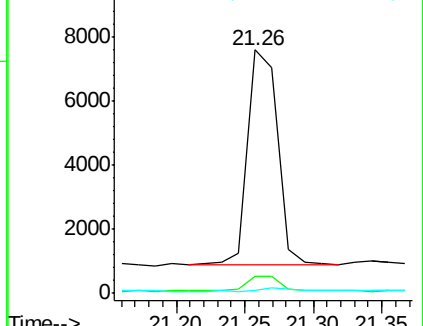
279 1.4 1.1 1.7



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BE099350.D

Acq: 19 Apr 2019 15:48

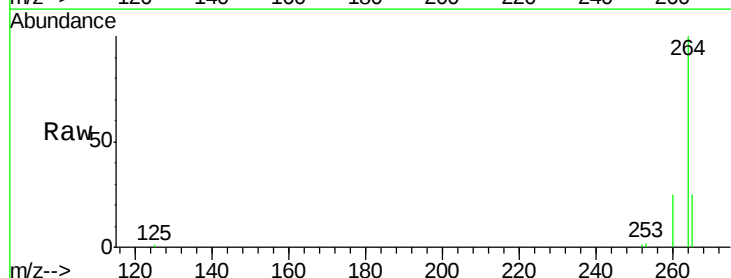
Tgt Ion:264 Resp: 35895

Ion Ratio Lower Upper

264 100

260 24.7 20.1 30.1

265 25.3 19.9 29.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

