

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011917\
 Data File : BE092668.D
 Acq On : 19 Jan 2017 22:00
 Operator : UM/SJ
 Sample : I1270-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-170117

Quant Time: Jan 20 01:31:16 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8812	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	39746	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	26607	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	61211	5.00	ng	0.00
24) Chrysene-d12	21.72	240	68910	5.00	ng	0.00
31) Perylene-d12	24.06	264	71857	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	7159	3.64	ng	0.00
5) Phenol-d6	7.31	99	4836	2.01	ng	-0.02
8) Nitrobenzene-d5	9.32	82	11881	4.61	ng	-0.02
13) 2,4,6-Tribromophenol	16.29	330	7757	9.84	ng	-0.01
14) 2-Fluorobiphenyl	13.41	172	31432	4.80	ng	-0.01
26) Terphenyl-d14	20.14	244	52404	5.38	ng	-0.02

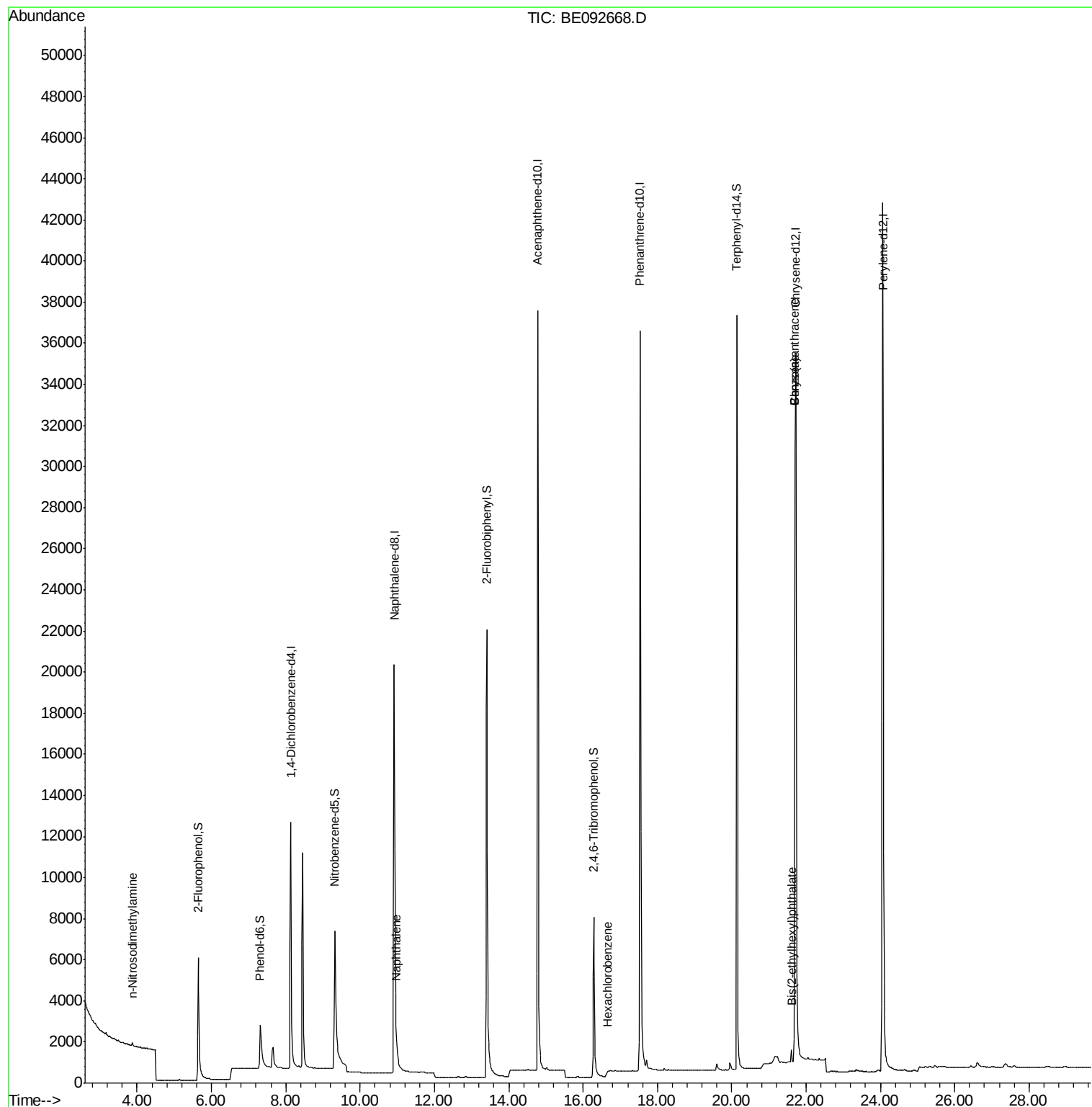
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	52	Below Cal	#	29
3) n-Nitrosodimethylamine	3.87	42	61	0.04	ng	9
9) Naphthalene	10.97	128	529	0.06	ng	60
19) Hexachlorobenzene	16.66	284	280	0.05	ng	5
27) Benzo(a)anthracene	21.70	228	2271	0.03	ng	80
28) Chrysene	21.70	228	2271	0.03	ng	67
29) Bis(2-ethylhexyl)phthalate	21.61	149	848	0.27	ng	75

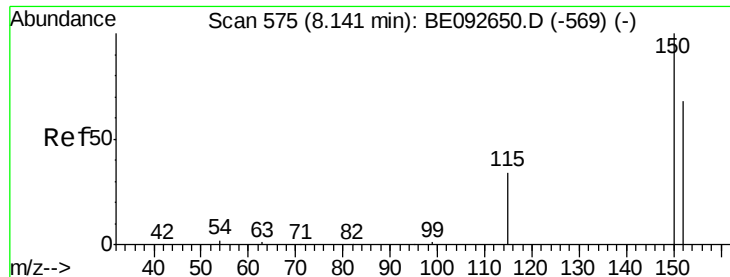
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092668.D

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Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170117

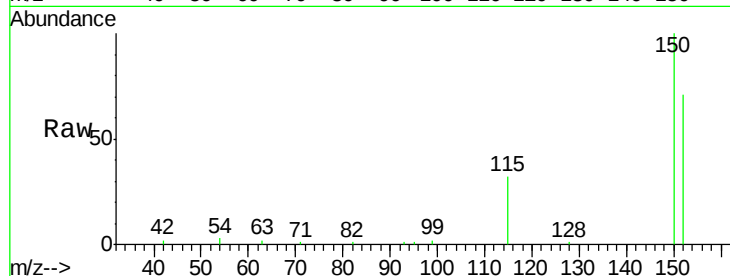
Tgt Ion: 152 Resp: 8812

Ion Ratio Lower Upper

152 100

150 141.0 106.0 159.0

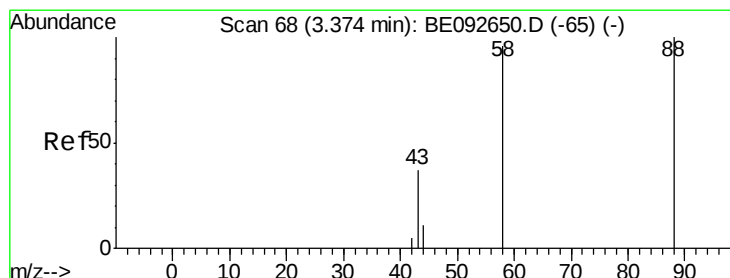
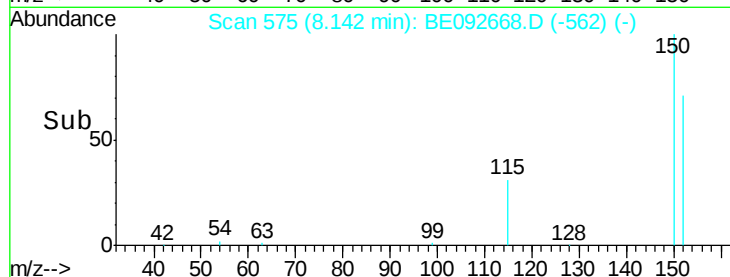
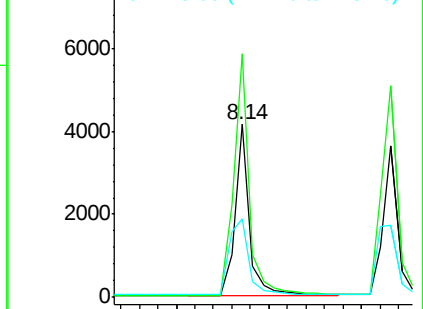
115 45.3 31.2 46.8



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: Below Cal

RT: 3.39 min Scan# 69

Delta R.T. 0.01 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

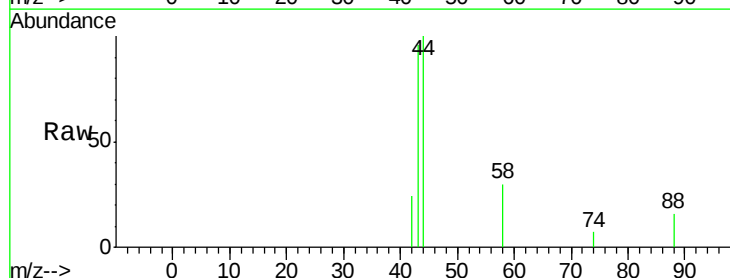
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

58 146.2 63.6 95.4#

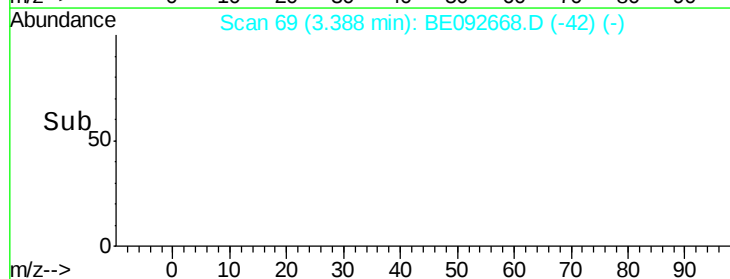
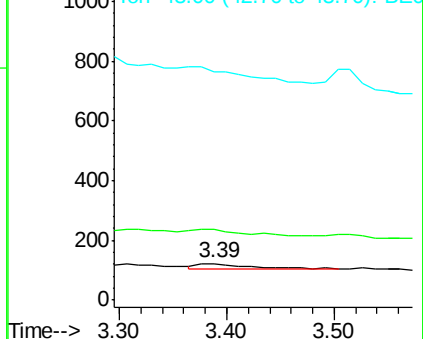
43 0.0 28.0 42.0#

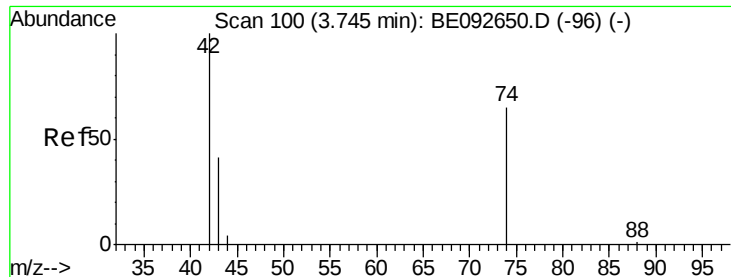


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.87 min Scan# 111

Delta R.T. 0.13 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

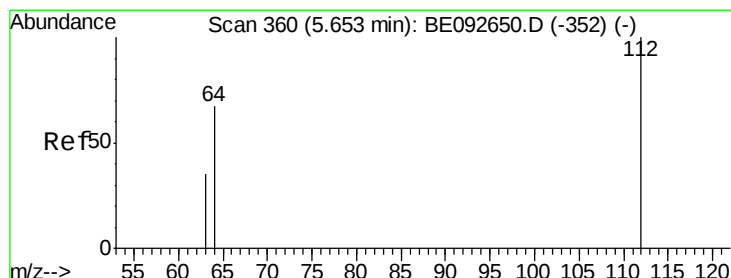
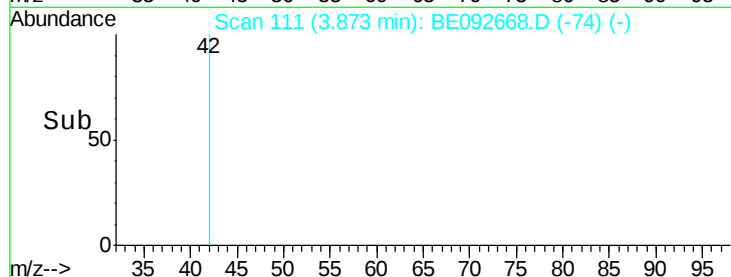
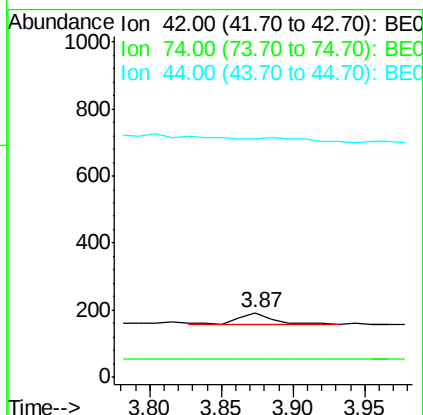
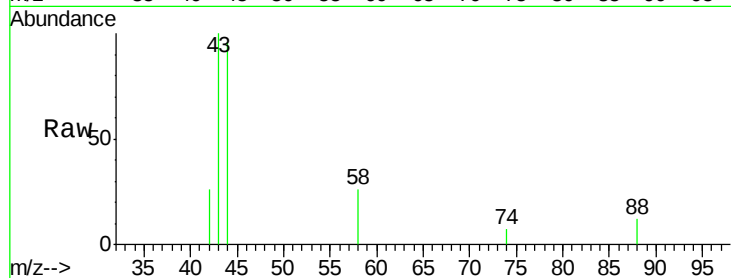
Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170117

Tgt Ion:	42	Resp:	61
Ion	Ratio	Lower	Upper
42	100		
74	8.2	86.0	129.0#
44	0.0	5.1	7.7#



#4

2-Fluorophenol

Concen: 3.64 ng

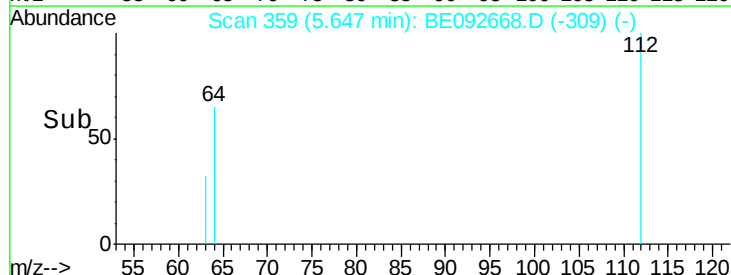
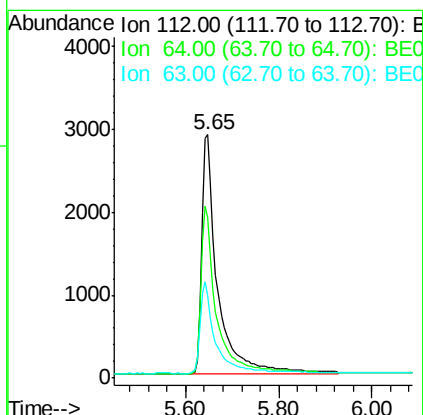
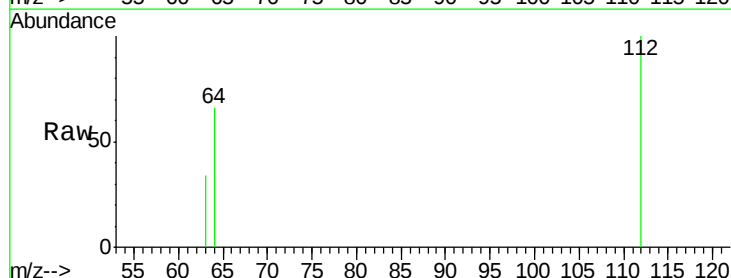
RT: 5.65 min Scan# 359

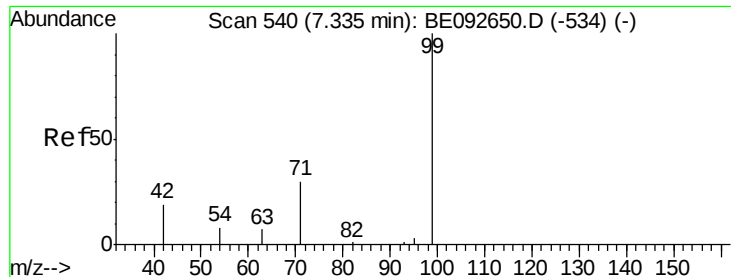
Delta R.T. -0.01 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

Tgt Ion:	112	Resp:	7159
Ion	Ratio	Lower	Upper
112	100		
64	69.0	53.5	80.3
63	36.6	27.9	41.9





#5

Phenol-d6

Concen: 2.01 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170117

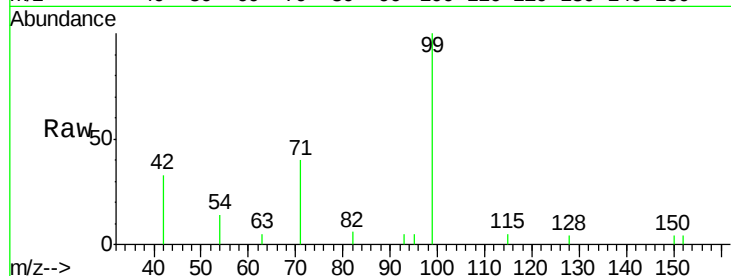
Tgt Ion: 99 Resp: 4836

Ion Ratio Lower Upper

99 100

42 24.2 16.0 24.0#

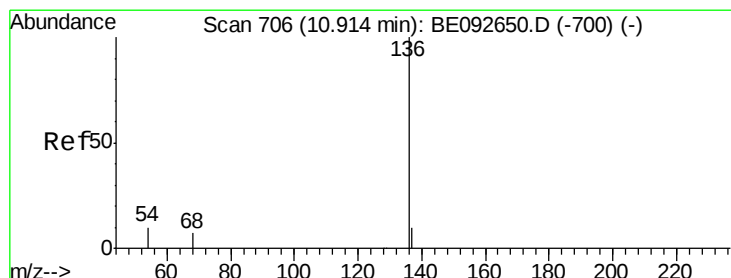
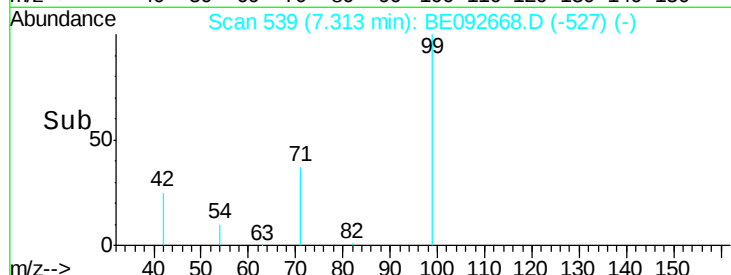
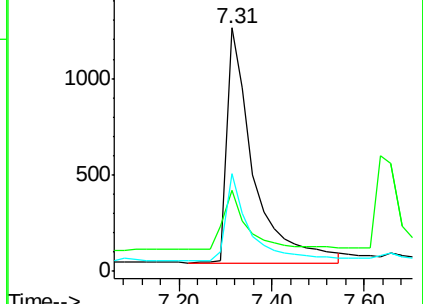
71 33.6 30.6 45.8



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: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

Tgt Ion: 136 Resp: 39746

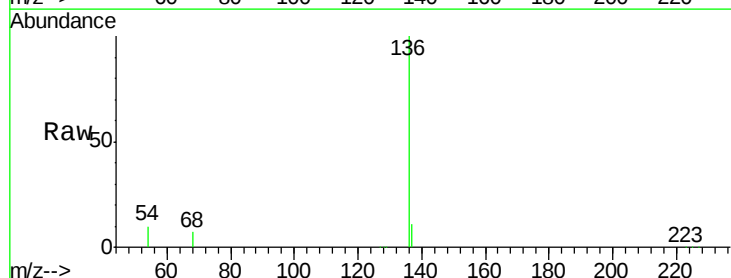
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

54 10.3 9.6 14.4

68 7.1 6.7 10.1

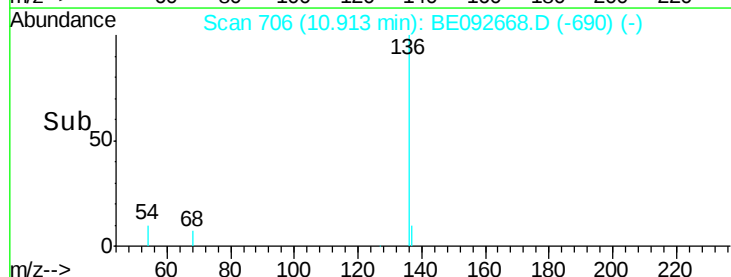
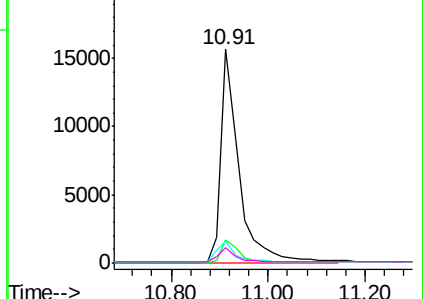


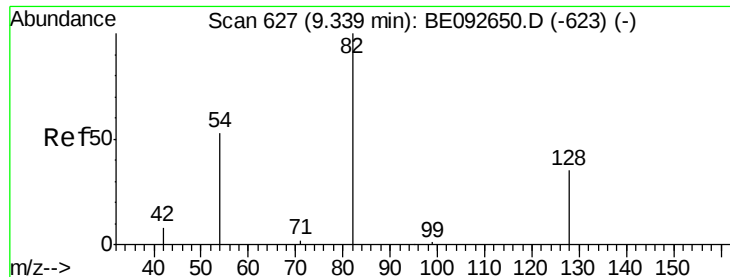
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.61 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170117

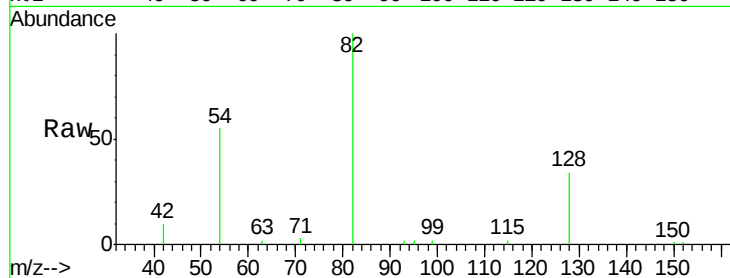
Tgt Ion: 82 Resp: 11881

Ion Ratio Lower Upper

82 100

128 34.1 39.0 58.4#

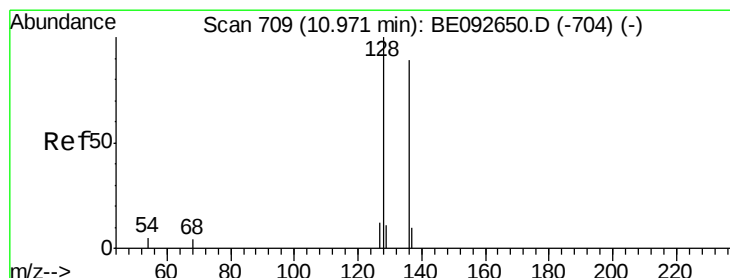
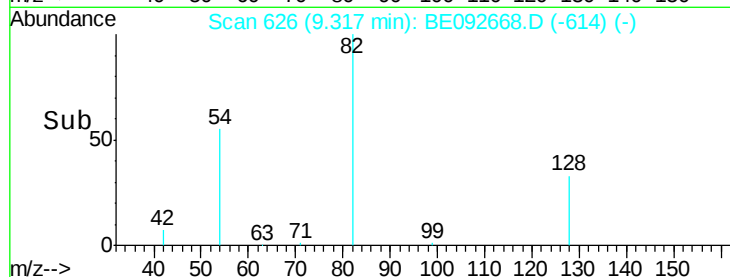
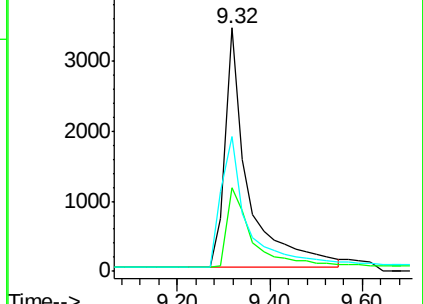
54 55.4 44.8 67.2



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: 0.06 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

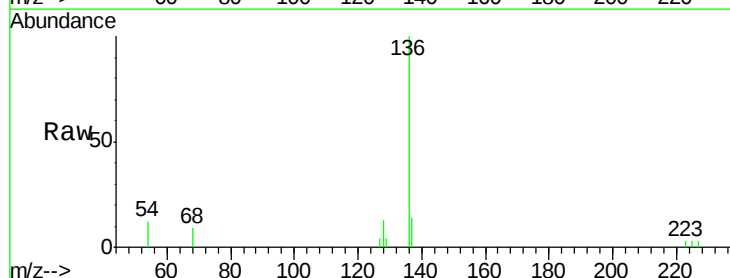
Tgt Ion: 128 Resp: 529

Ion Ratio Lower Upper

128 100

129 31.4 11.2 16.8#

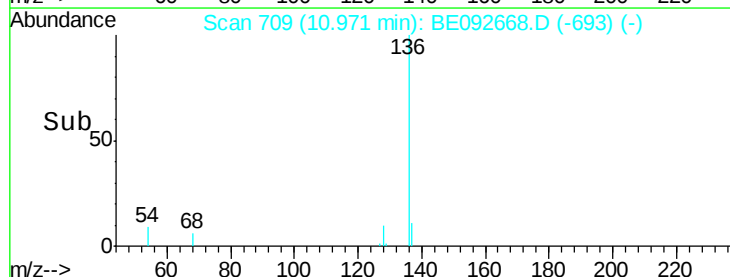
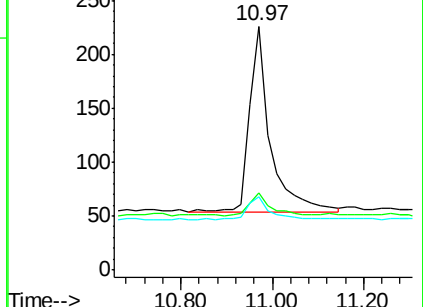
127 30.1 11.6 17.4#

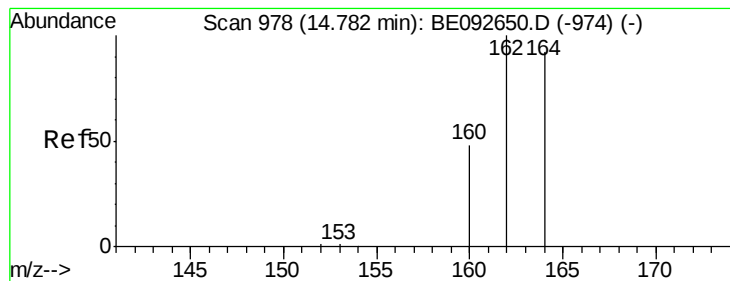


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. 0.00 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170117

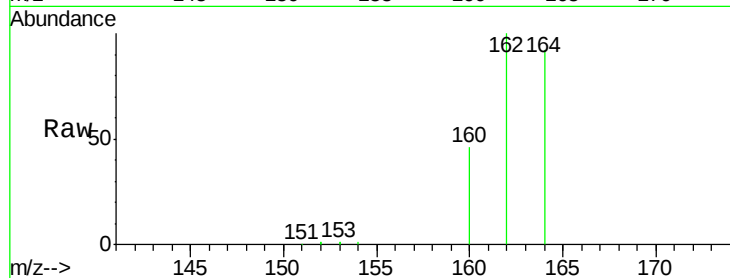
Tgt Ion:164 Resp: 26607

Ion Ratio Lower Upper

164 100

162 108.5 71.4 107.0#

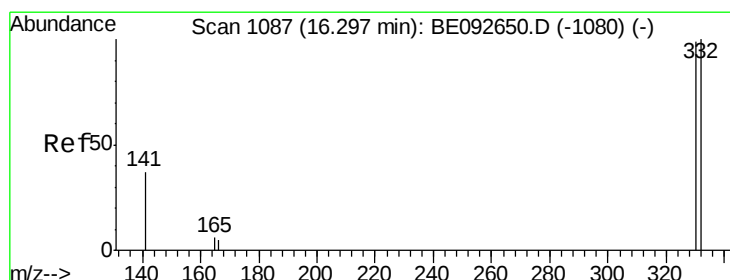
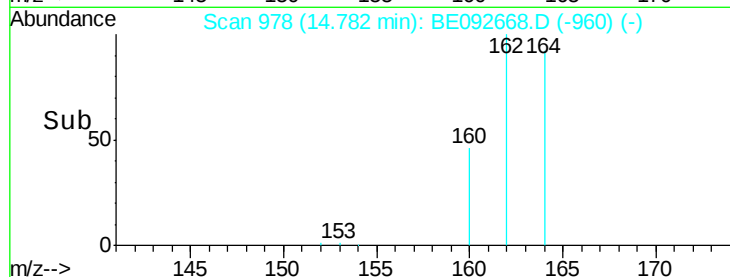
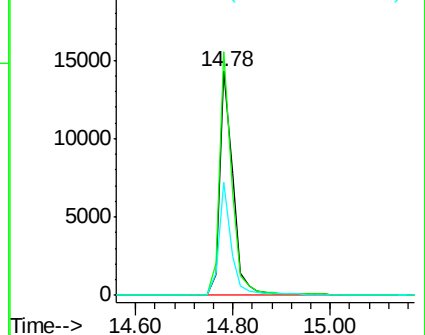
160 50.4 27.4 41.2#



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



#13

2,4,6-Tribromophenol

Concen: 9.84 ng

RT: 16.29 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

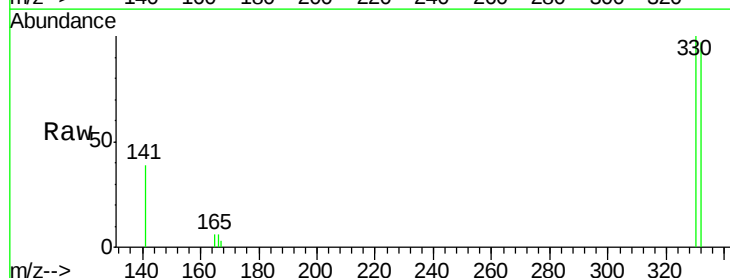
Tgt Ion:330 Resp: 7757

Ion Ratio Lower Upper

330 100

332 97.0 75.4 113.0

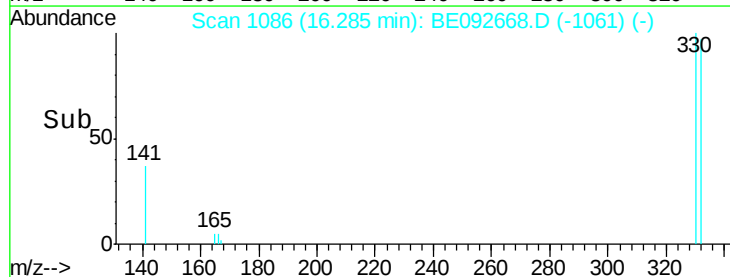
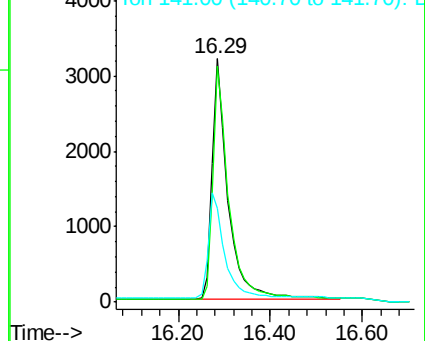
141 44.9 31.0 46.6

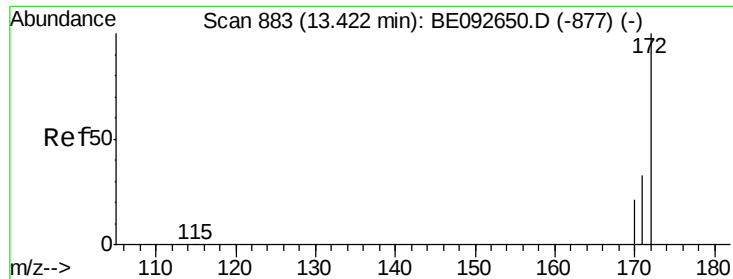


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

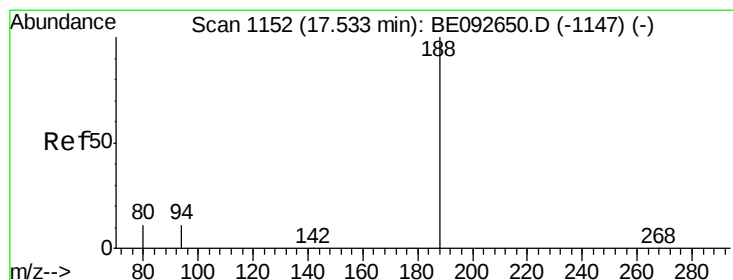
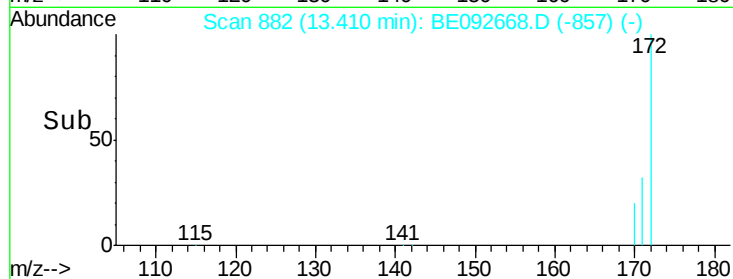
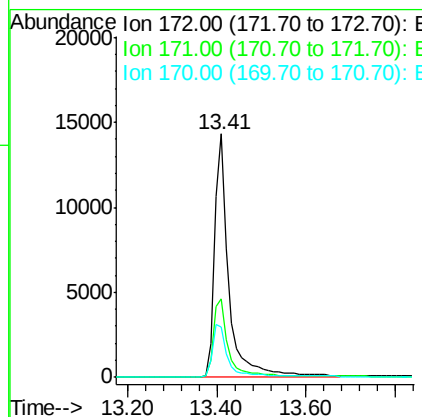
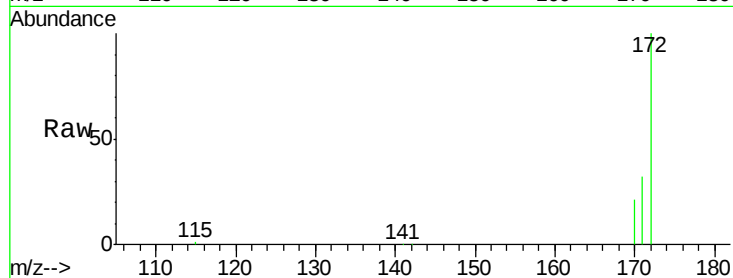




#14
2-Fluorobiphenyl
Concen: 4.80 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.01 min
Lab File: BE092668.D
Acq: 19 Jan 2017 22:00

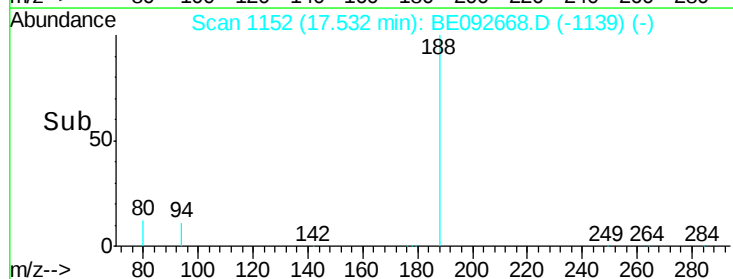
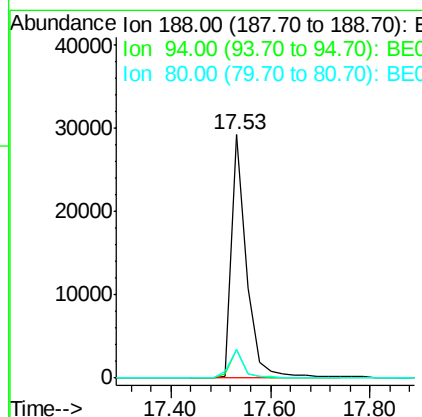
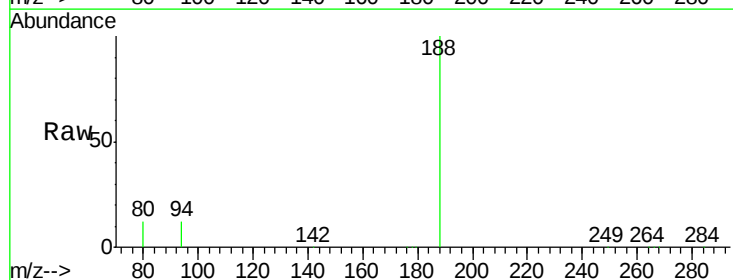
Instrument :
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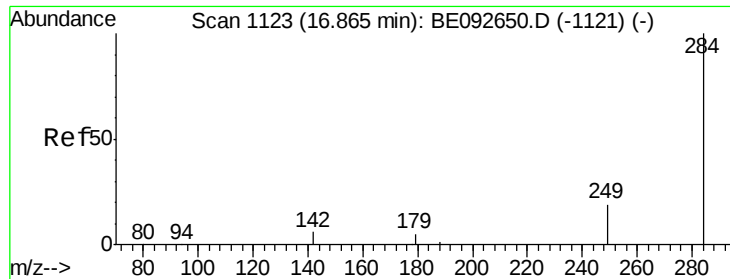
Tgt Ion:172 Resp: 31432
Ion Ratio Lower Upper
172 100
171 32.0 30.1 45.1
170 20.7 21.8 32.6#



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE092668.D
Acq: 19 Jan 2017 22:00

Tgt Ion:188 Resp: 61211
Ion Ratio Lower Upper
188 100
94 11.6 3.2 4.8#
80 11.8 2.6 3.8#





#19

Hexachlorobenzene

Concen: 0.05 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170117

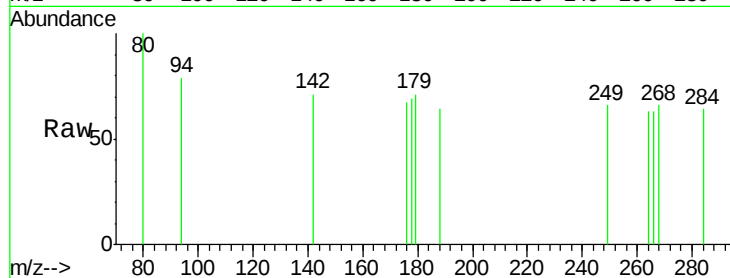
Tgt Ion: 284 Resp: 280

Ion Ratio Lower Upper

284 100

142 112.1 29.1 43.7#

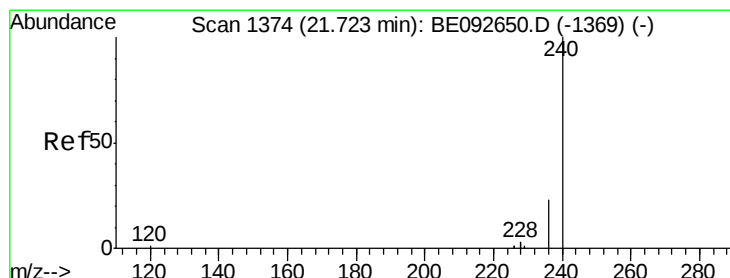
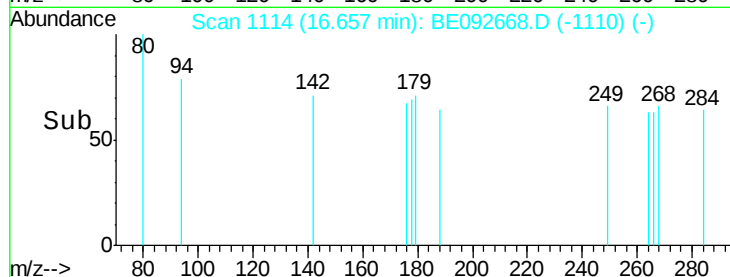
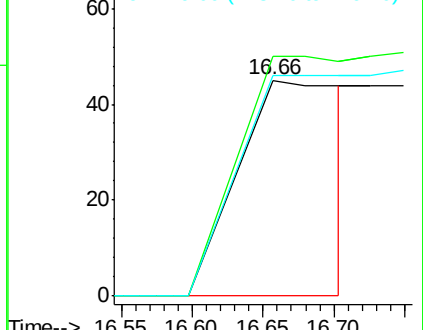
249 0.0 27.9 41.9#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

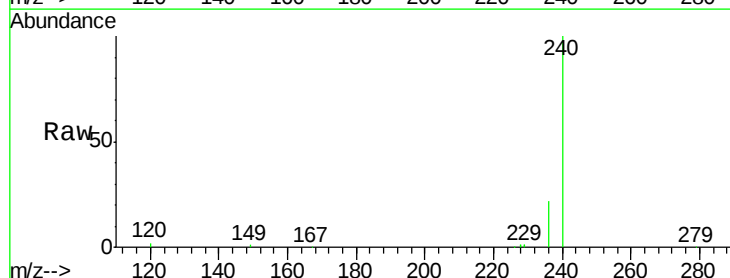
Tgt Ion: 240 Resp: 68910

Ion Ratio Lower Upper

240 100

120 1.9 2.6 4.0#

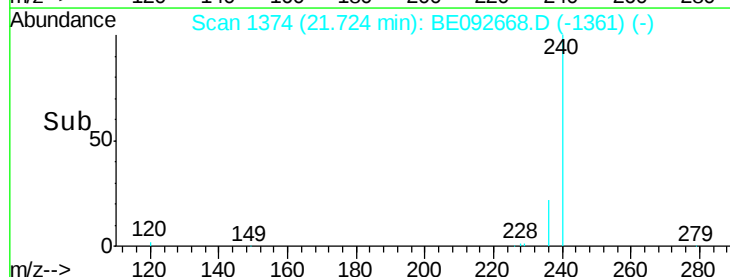
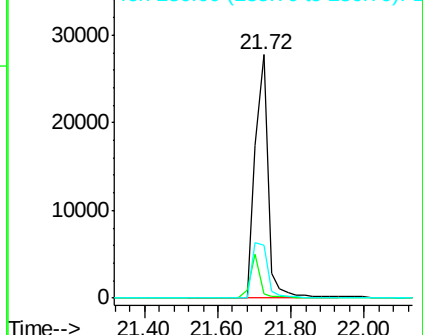
236 21.9 24.6 37.0#

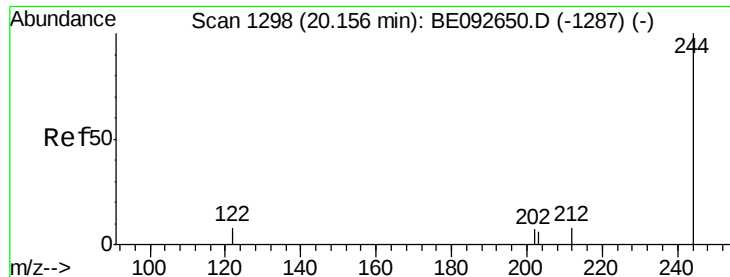


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#26

Terphenyl-d14

Concen: 5.38 ng

RT: 20.14 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170117

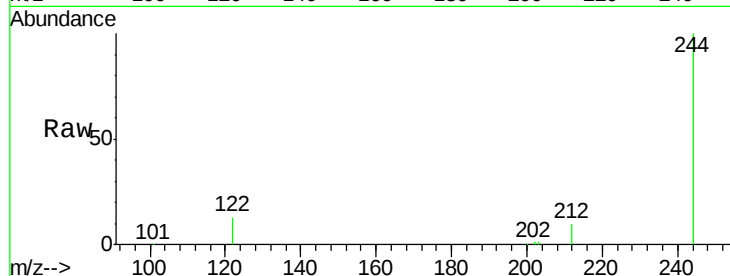
Tgt Ion:244 Resp: 52404

Ion Ratio Lower Upper

244 100

212 9.7 6.7 10.1

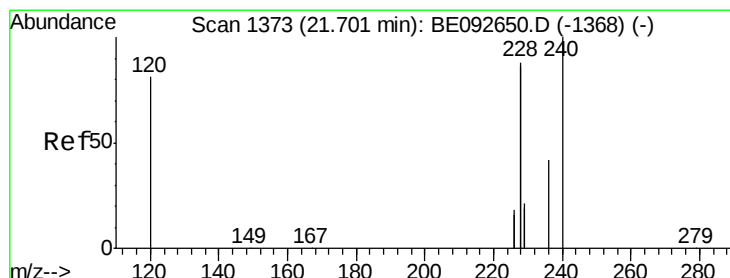
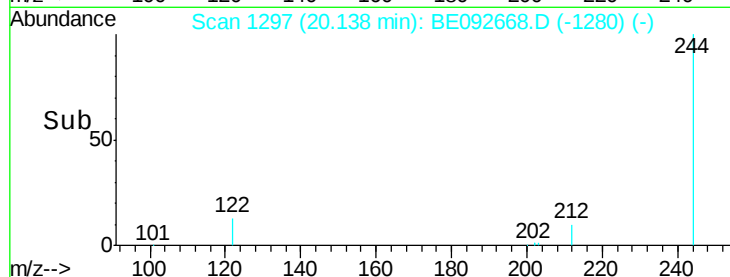
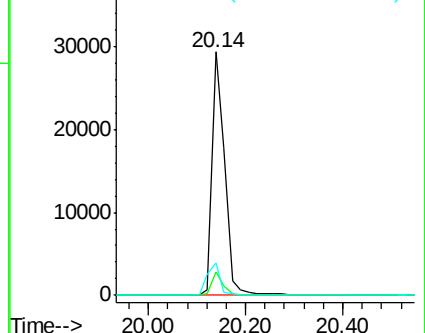
122 13.2 3.6 5.4#



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



#27

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.70 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

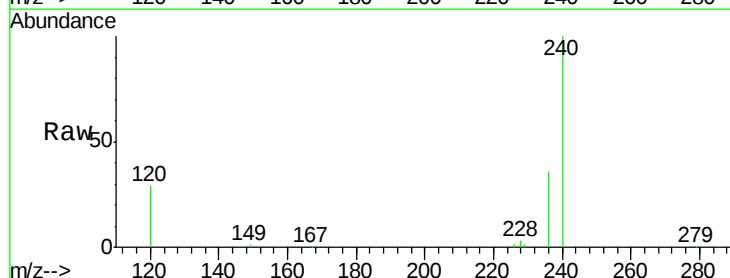
Tgt Ion:228 Resp: 2271

Ion Ratio Lower Upper

228 100

226 30.3 23.6 35.4

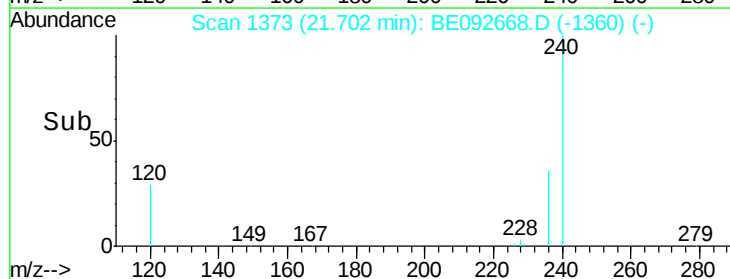
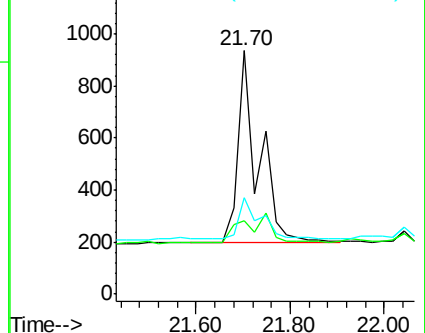
229 39.5 13.3 19.9#

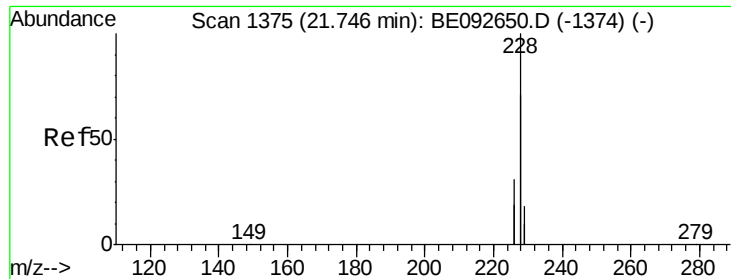


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#28

Chrysene

Concen: 0.03 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.04 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170117

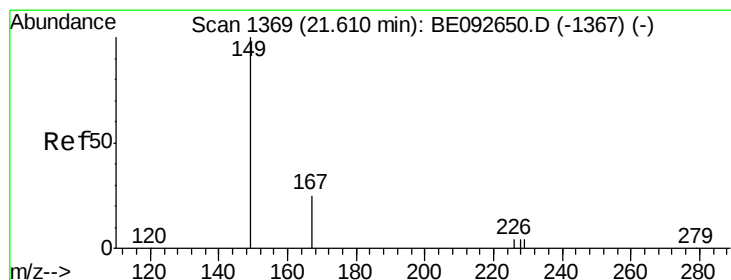
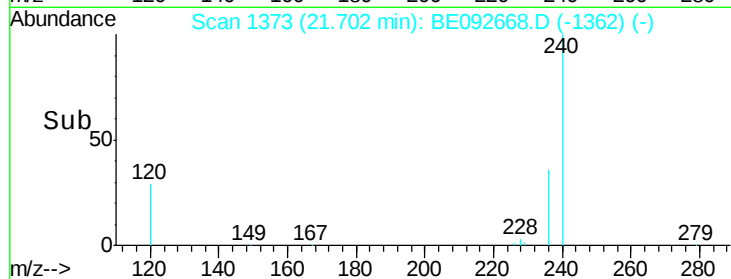
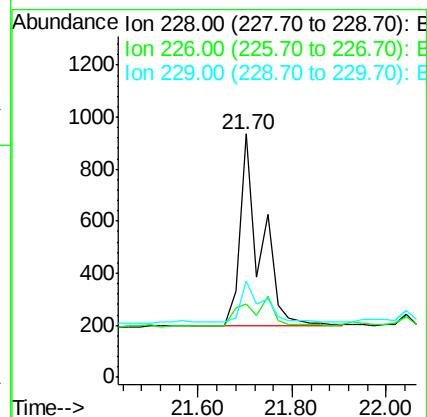
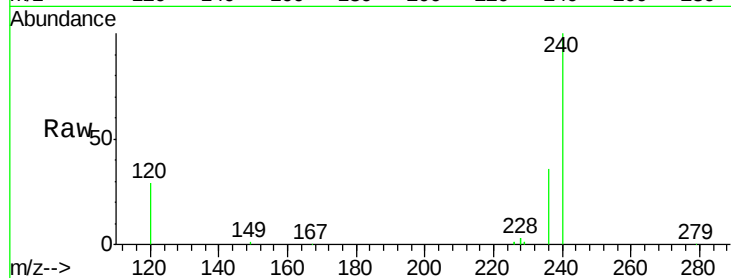
Tgt Ion:228 Resp: 2271

Ion Ratio Lower Upper

228 100

226 30.3 36.3 54.5#

229 39.5 10.6 16.0#



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.27 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092668.D

Acq: 19 Jan 2017 22:00

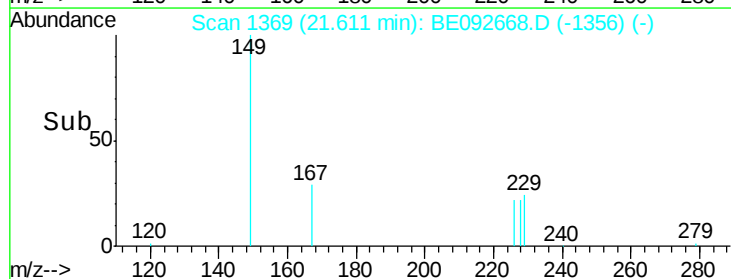
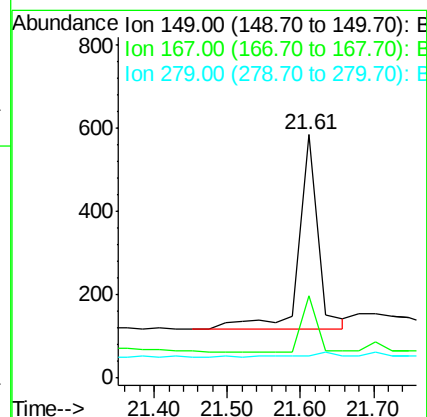
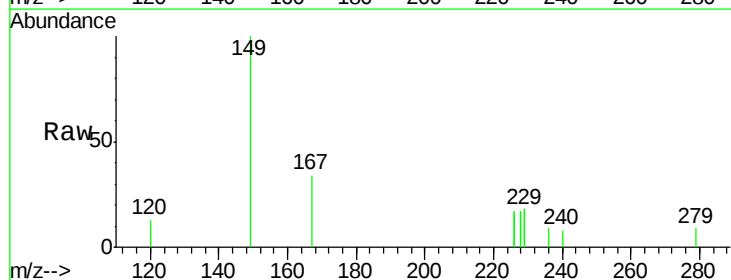
Tgt Ion:149 Resp: 848

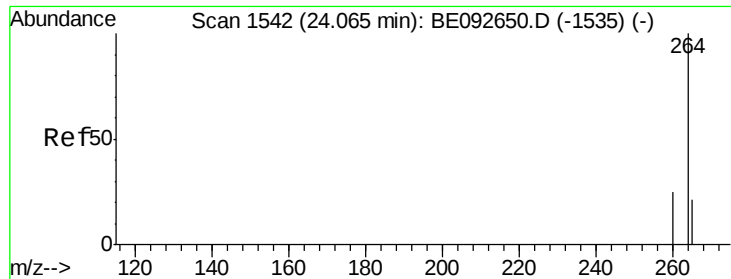
Ion Ratio Lower Upper

149 100

167 23.2 16.0 24.0

279 0.0 16.0 24.0#





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.06 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BE092668.D

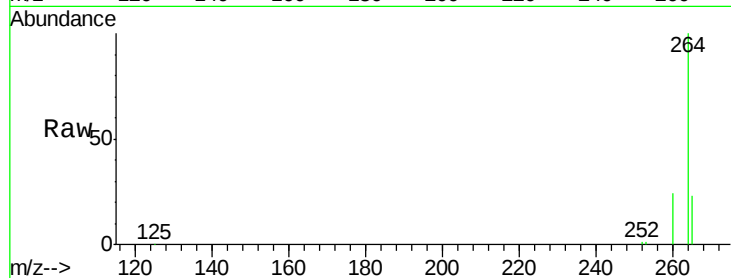
Acq: 19 Jan 2017 22:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170117



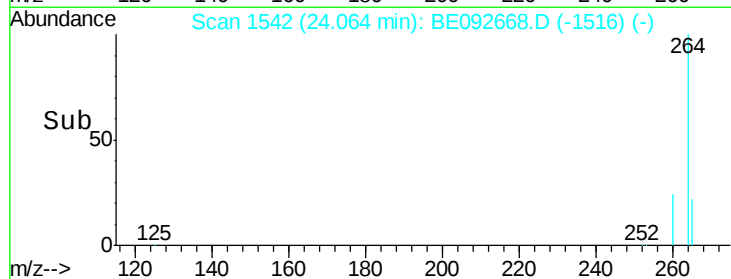
Tgt Ion: 264 Resp: 71857

Ion Ratio Lower Upper

264 100

260 24.2 20.1 30.1

265 23.0 17.9 26.9



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

