

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120916\
 Data File : BE092593.D
 Acq On : 9 Dec 2016 14:48
 Operator : UM/SJ
 Sample : H5913-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-161206

Quant Time: Dec 09 23:07:48 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 15:43:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8431	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	36936	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	24720	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	53349	5.00	ng	0.00
24) Chrysene-d12	21.72	240	80337	5.00	ng	0.00
31) Perylene-d12	24.07	264	72415	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	6846	4.81	ng	-0.02
5) Phenol-d6	7.34	99	4807	2.11	ng	-0.02
8) Nitrobenzene-d5	9.34	82	11790	4.92	ng	-0.02
13) 2,4,6-Tribromophenol	16.30	330	6150	11.09	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	31274	5.19	ng	-0.01
26) Terphenyl-d14	20.16	244	54699	5.95	ng	-0.02

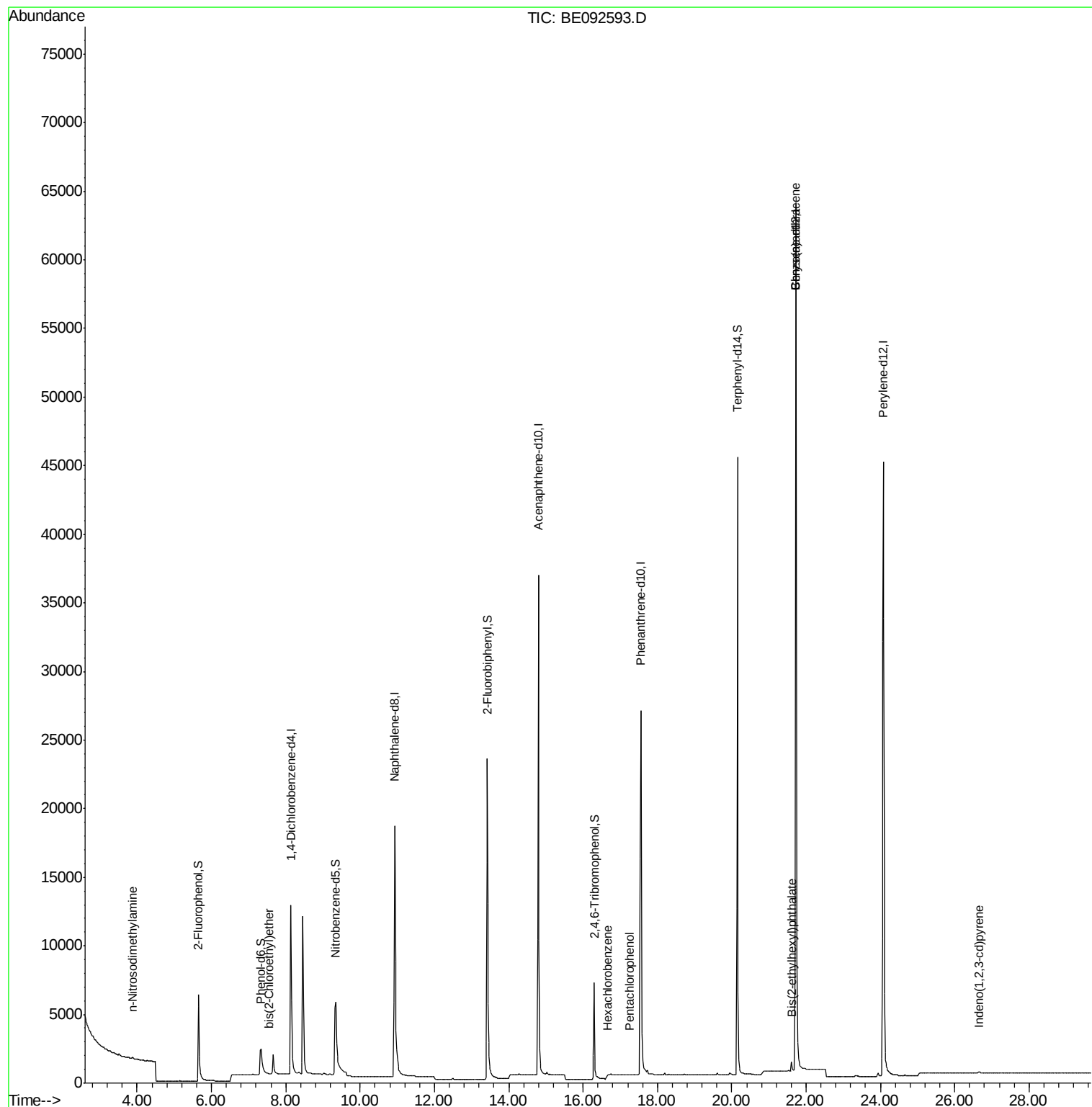
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	53	Below Cal	#	19
3) n-Nitrosodimethylamine	3.88	42	73	0.23 ng	#	4
6) bis(2-Chloroethyl)ether	7.54	93	17	0.05 ng	#	15
19) Hexachlorobenzene	16.66	284	475	0.23 ng	#	1
20) Pentachlorophenol	17.26	266	14	0.05 ng	#	69
27) Benzo(a)anthracene	21.72	228	1030	0.11 ng	#	57
29) Bis(2-ethylhexyl)phthalate	21.61	149	952	0.30 ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.65	276	278	0.05 ng		92

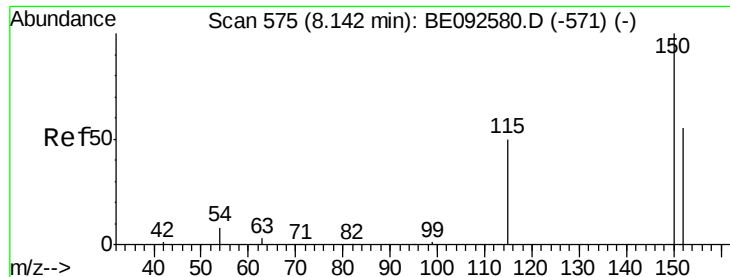
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-161206

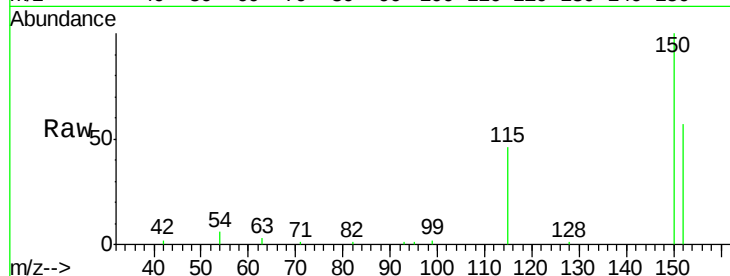
Tgt Ion:152 Resp: 8431

Ion Ratio Lower Upper

152 100

150 175.3 106.0 159.0#

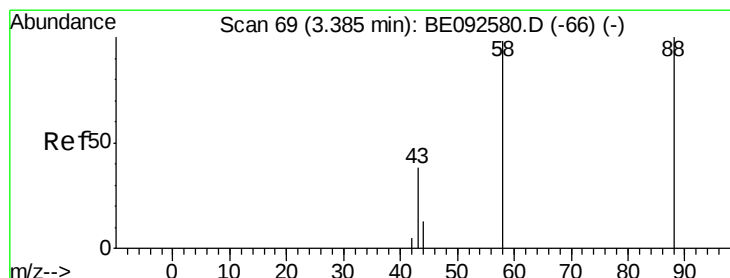
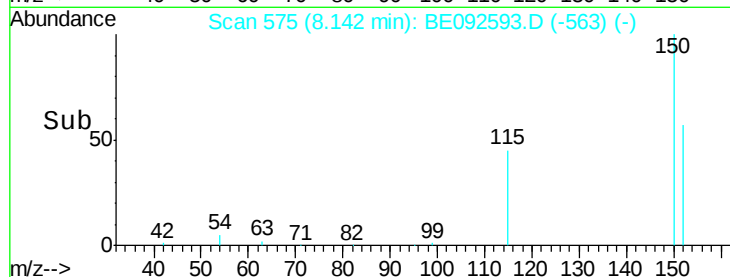
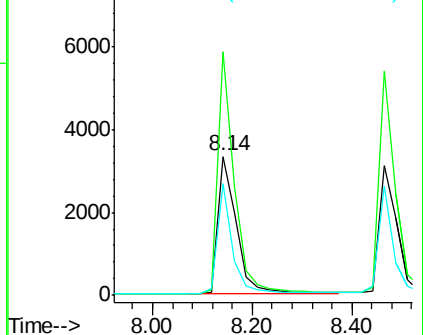
115 80.3 31.2 46.8#



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. 0.00 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

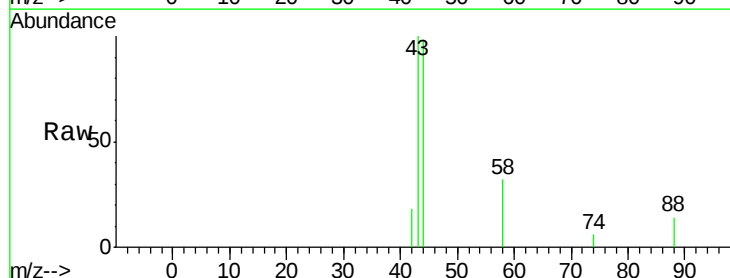
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

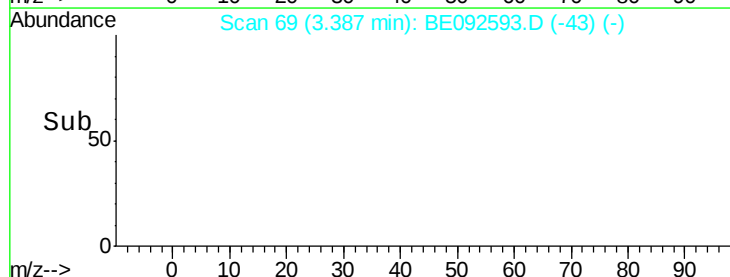
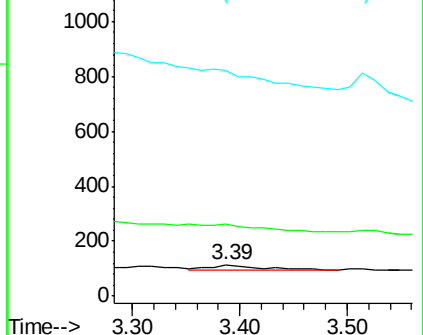
43 0.0 28.0 42.0#

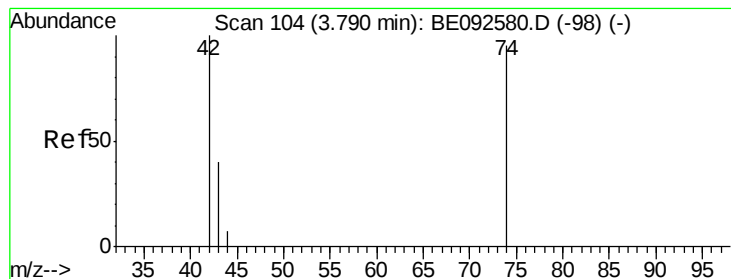


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.23 ng

RT: 3.88 min Scan# 112

Delta R.T. 0.11 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-161206

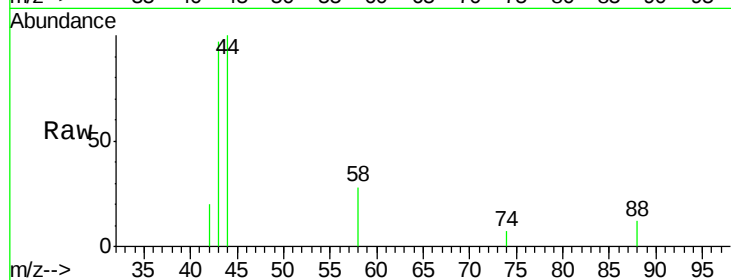
Tgt Ion: 42 Resp: 73

Ion Ratio Lower Upper

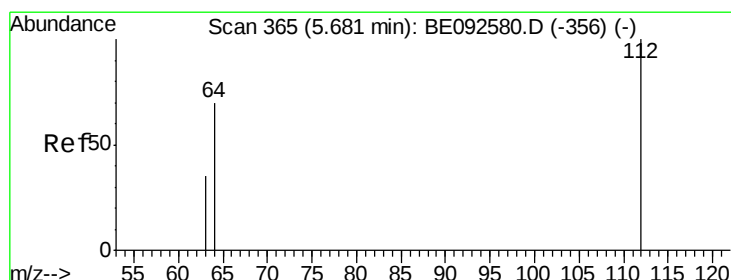
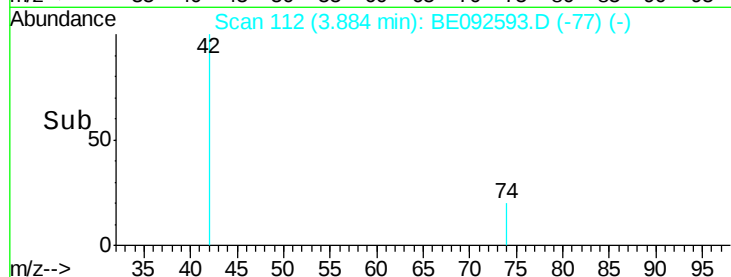
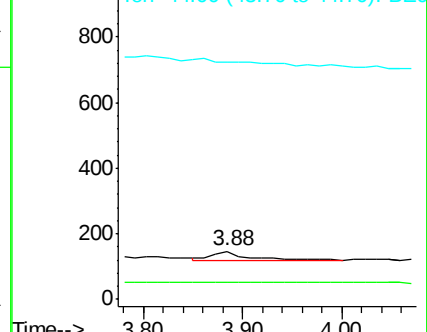
42 100

74 2.7 86.0 129.0#

44 0.0 5.1 7.7#



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: 4.81 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

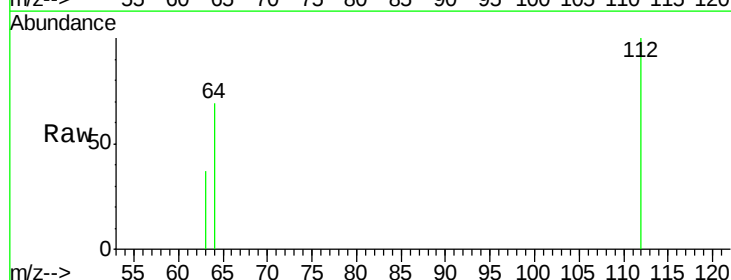
Tgt Ion: 112 Resp: 6846

Ion Ratio Lower Upper

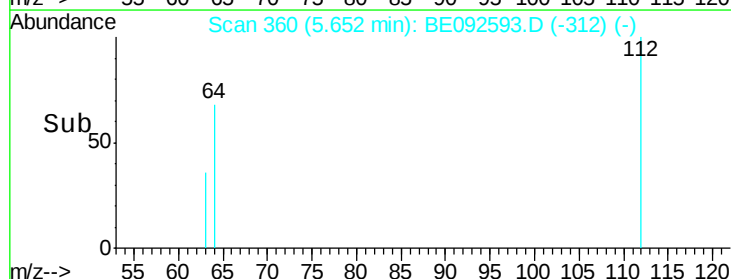
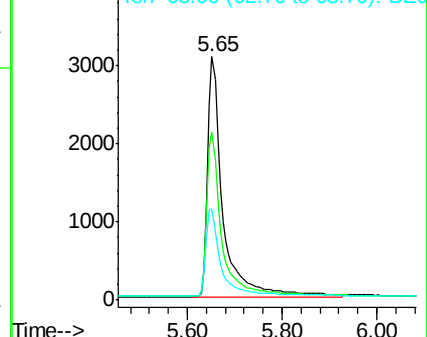
112 100

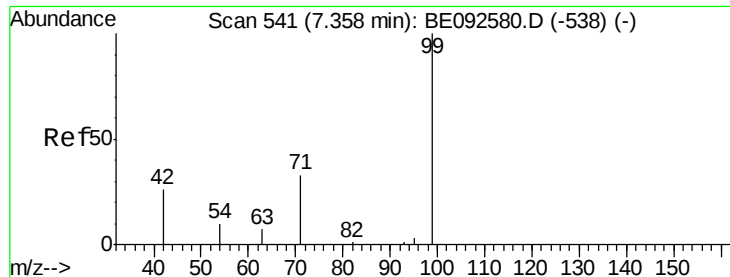
64 68.4 53.5 80.3

63 36.7 27.9 41.9



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: 2.11 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-161206

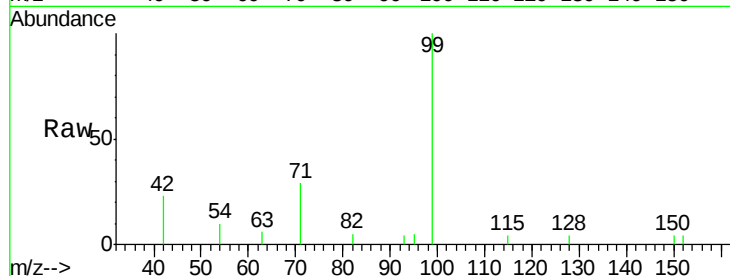
Tgt Ion: 99 Resp: 4807

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

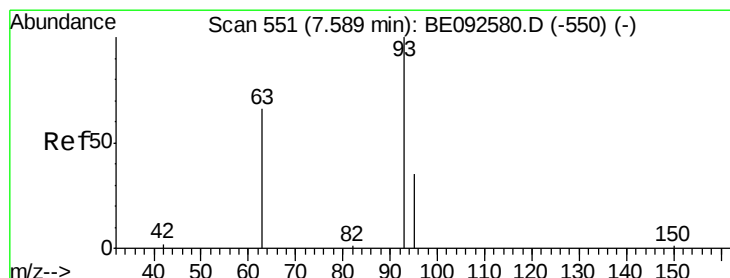
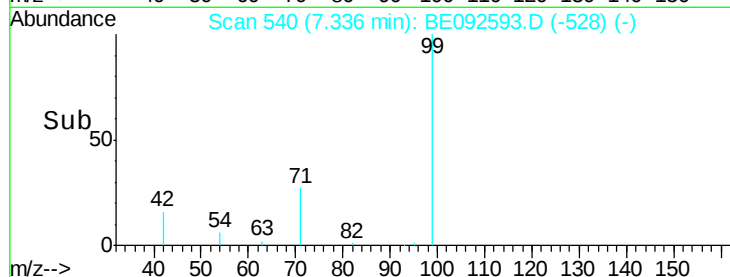
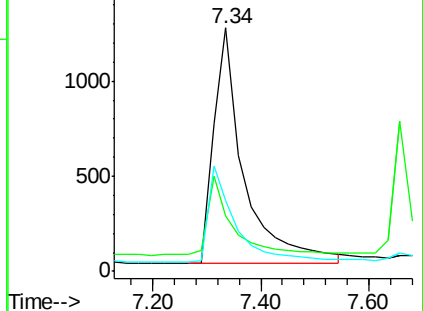
71 0.0 30.6 45.8#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 7.54 min Scan# 549

Delta R.T. -0.05 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

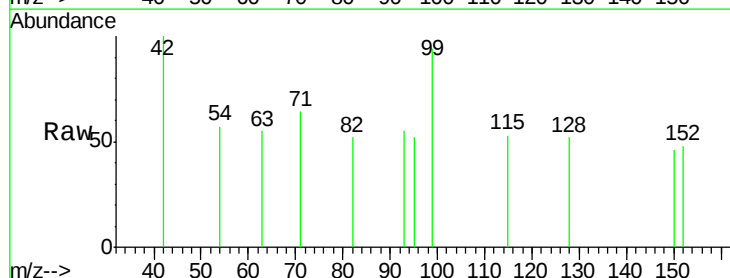
Tgt Ion: 93 Resp: 17

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

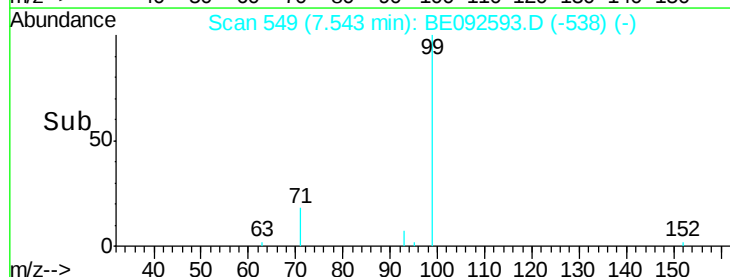
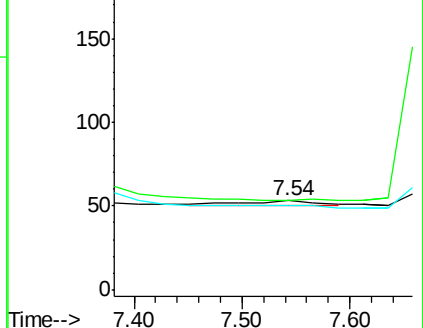
95 0.0 24.0 36.0#

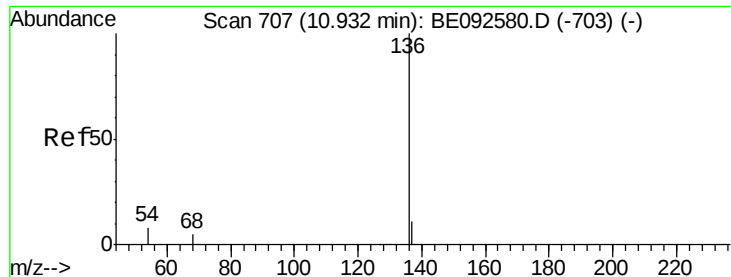


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-161206

Tgt Ion:136 Resp: 36936

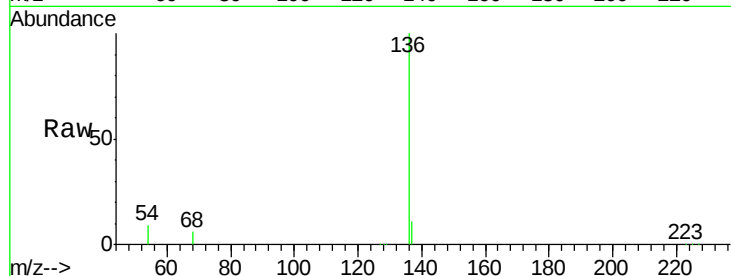
Ion Ratio Lower Upper

136 100

137 11.2 8.2 12.4

54 8.7 9.6 14.4#

68 6.2 6.7 10.1#

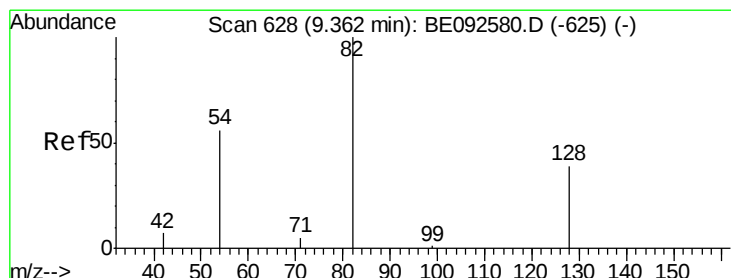
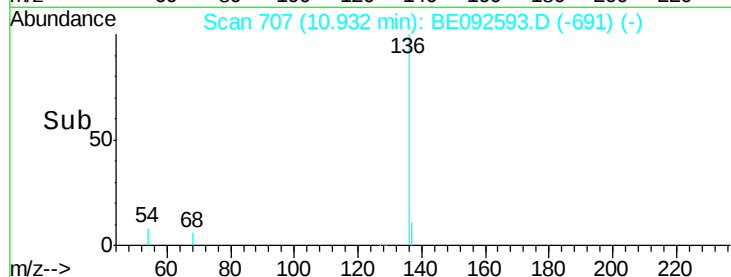
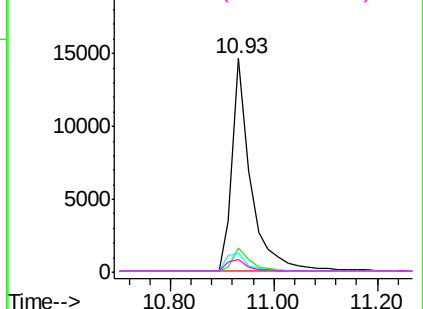


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.92 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

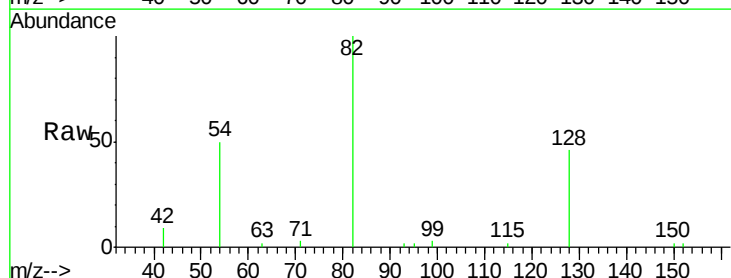
Tgt Ion: 82 Resp: 11790

Ion Ratio Lower Upper

82 100

128 46.2 39.0 58.4

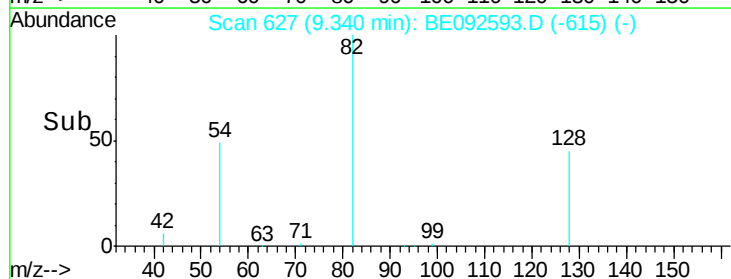
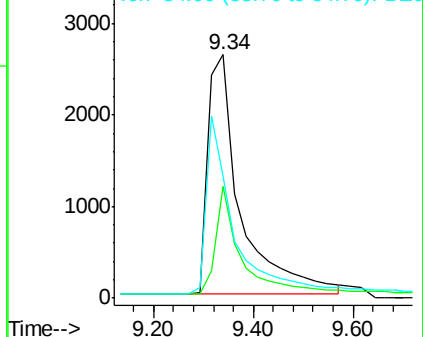
54 50.0 44.8 67.2

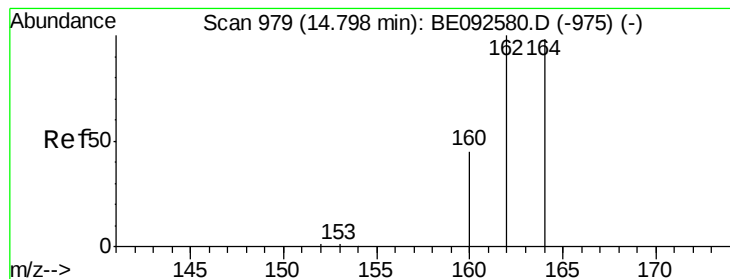


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-161206

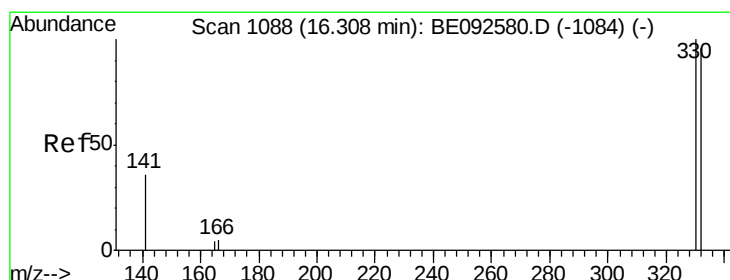
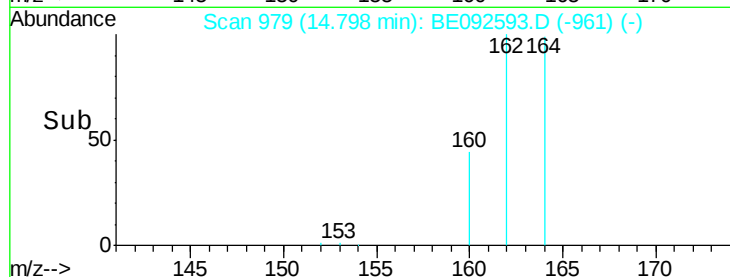
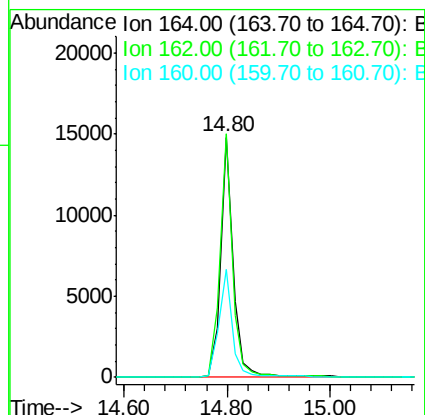
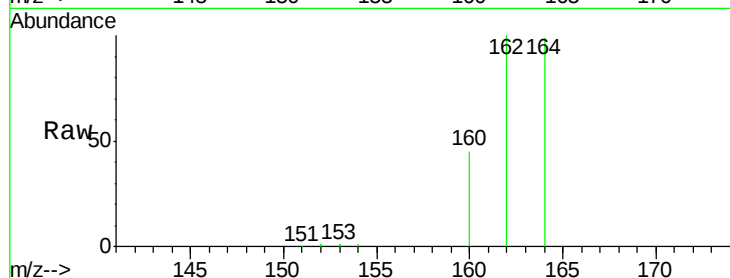
Tgt Ion:164 Resp: 24720

Ion Ratio Lower Upper

164 100

162 101.3 71.4 107.0

160 45.2 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 11.09 ng

RT: 16.30 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

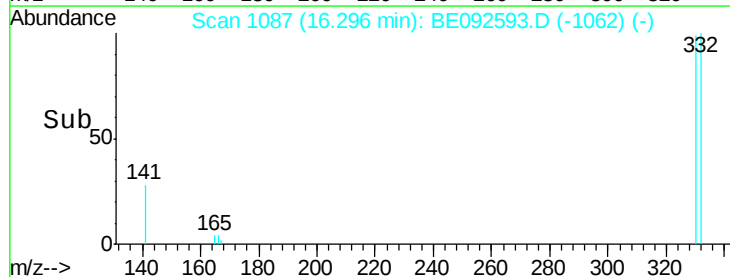
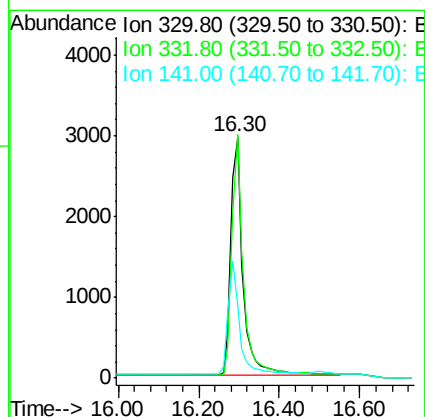
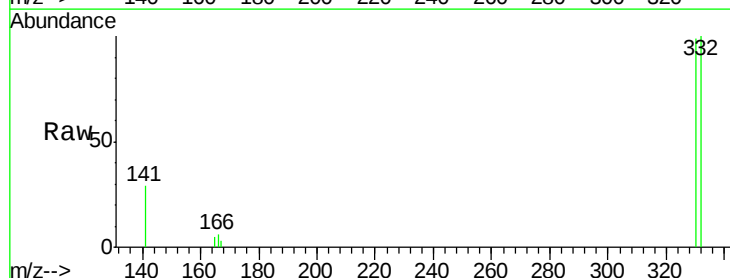
Tgt Ion:330 Resp: 6150

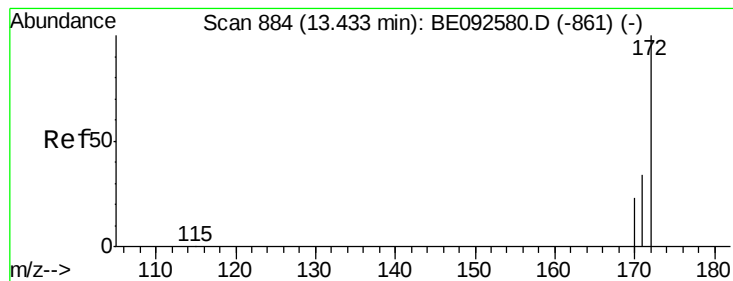
Ion Ratio Lower Upper

330 100

332 95.9 75.4 113.0

141 44.1 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 5.19 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-161206

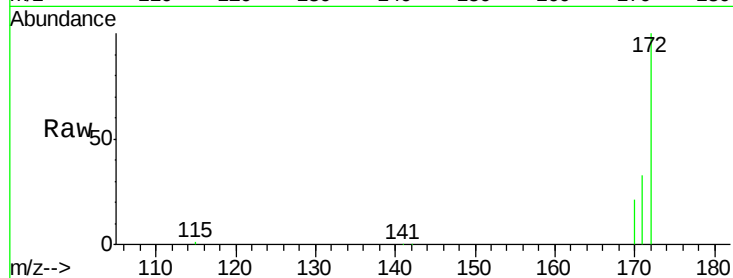
Tgt Ion:172 Resp: 31274

Ion Ratio Lower Upper

172 100

171 33.0 30.1 45.1

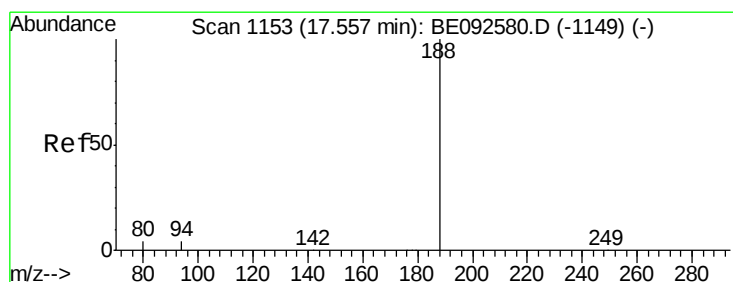
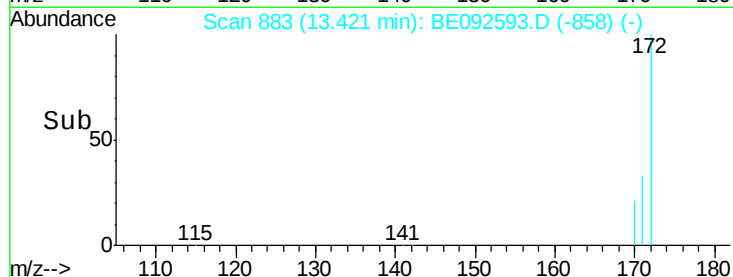
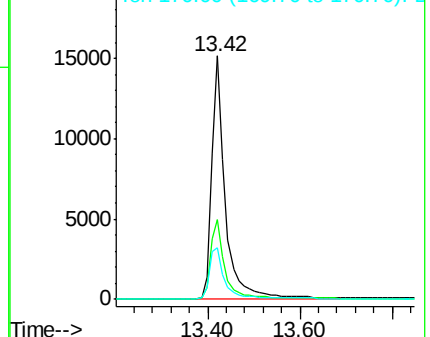
170 21.5 21.8 32.6#



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

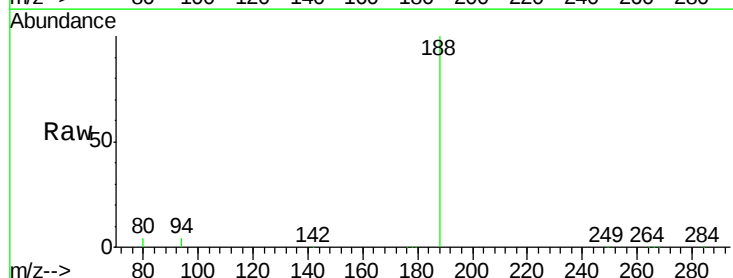
Tgt Ion:188 Resp: 53349

Ion Ratio Lower Upper

188 100

94 4.1 3.2 4.8

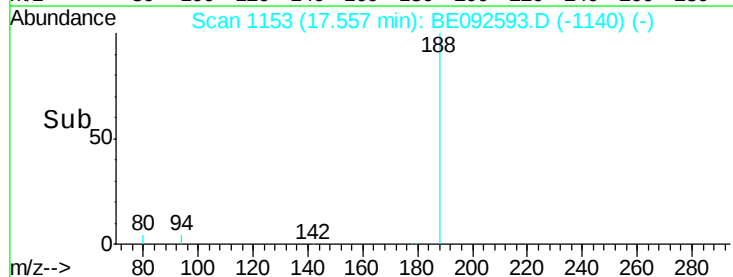
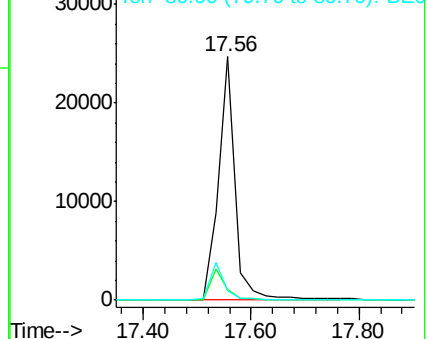
80 3.8 2.6 3.8

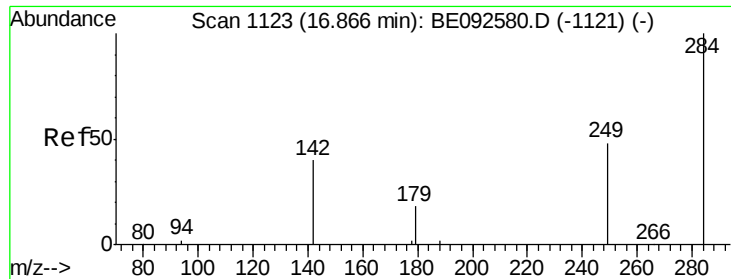


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

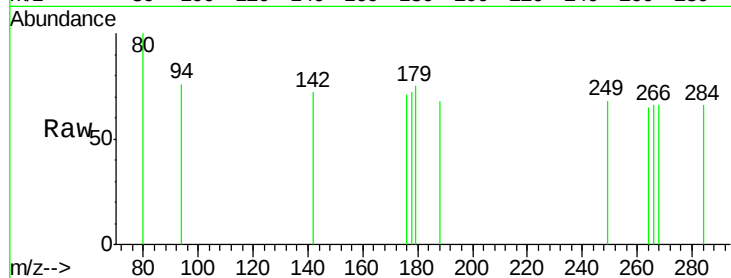




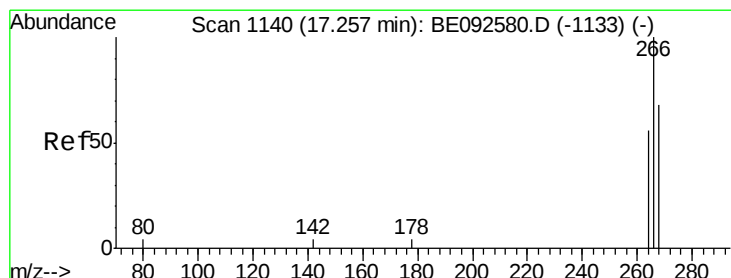
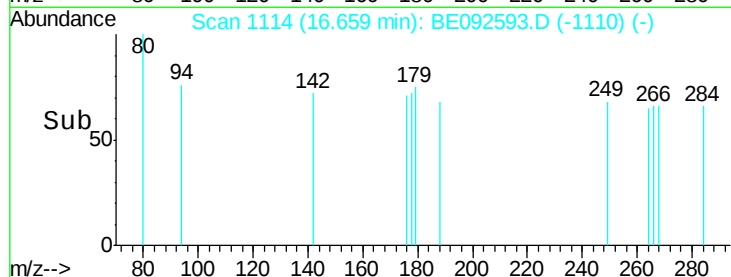
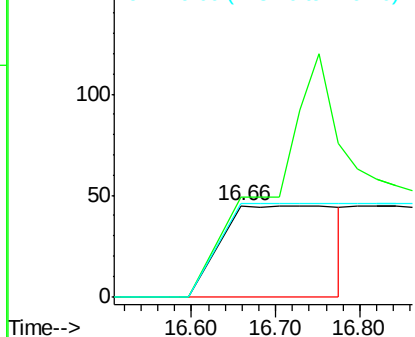
#19
Hexachlorobenzene
Concen: 0.23 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092593.D
Acq: 9 Dec 2016 14:48

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-161206

Tgt Ion: 284 Resp: 475
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 223.2 27.9 41.9#

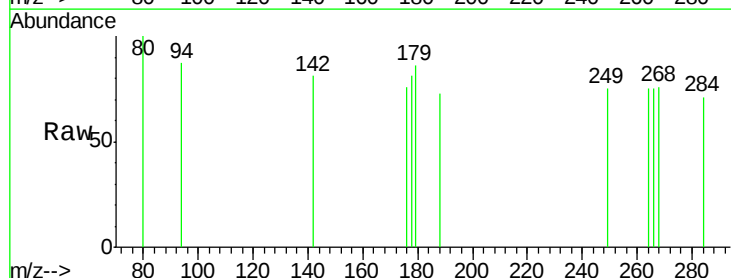


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

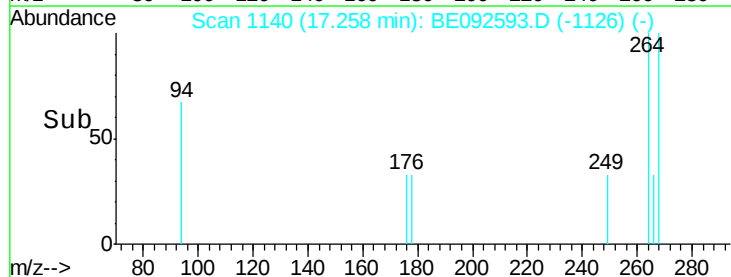
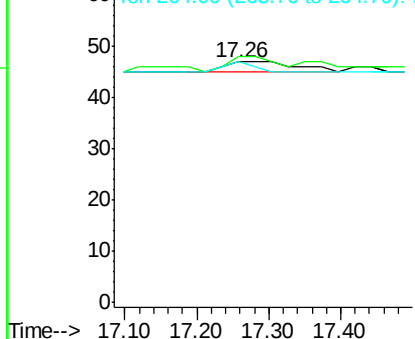


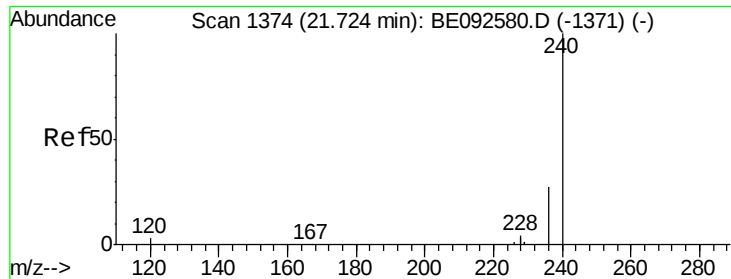
#20
Pentachlorophenol
Concen: 0.05 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092593.D
Acq: 9 Dec 2016 14:48

Tgt Ion: 266 Resp: 14
Ion Ratio Lower Upper
266 100
268 102.1 62.5 93.7#
264 100.0 57.2 85.8#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

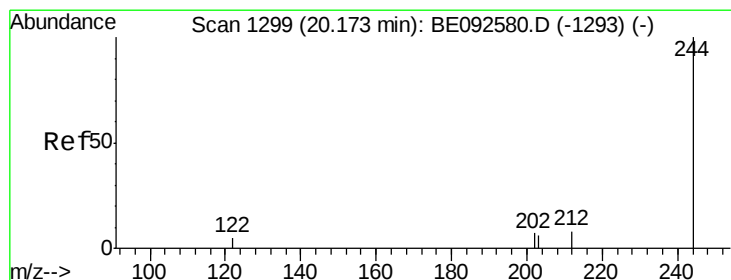
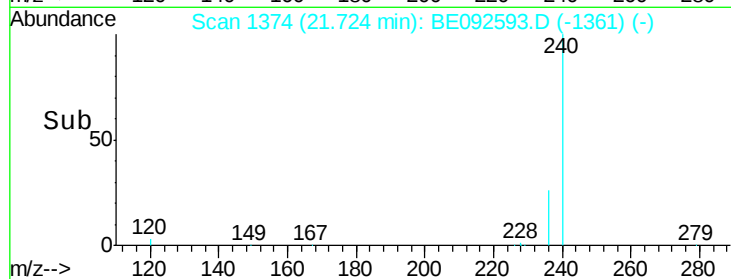
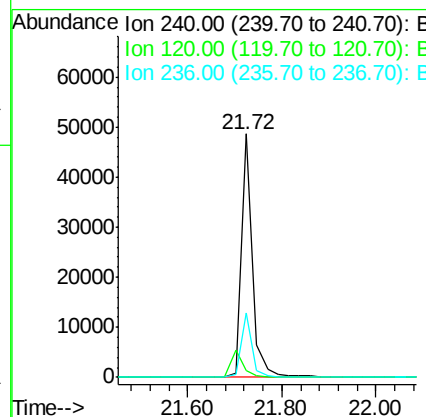
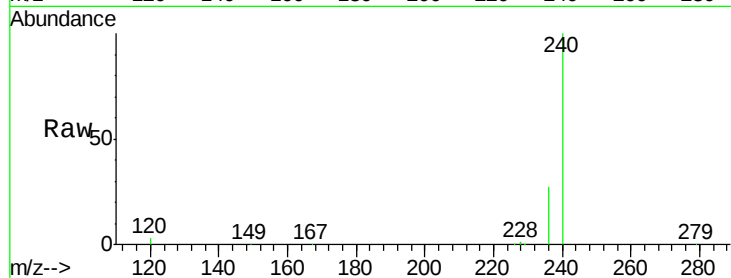




#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092593.D
 Acq: 9 Dec 2016 14:48

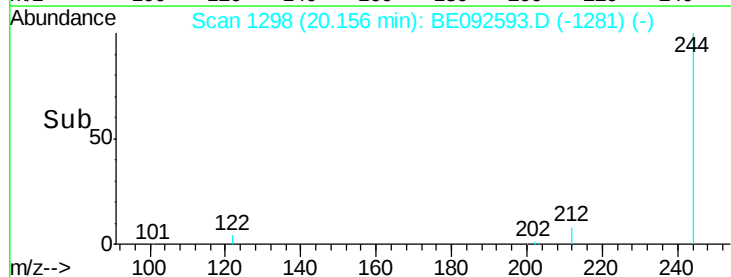
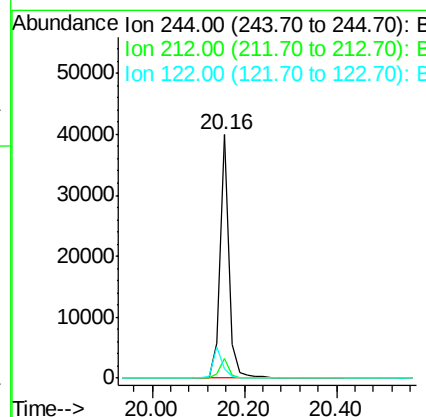
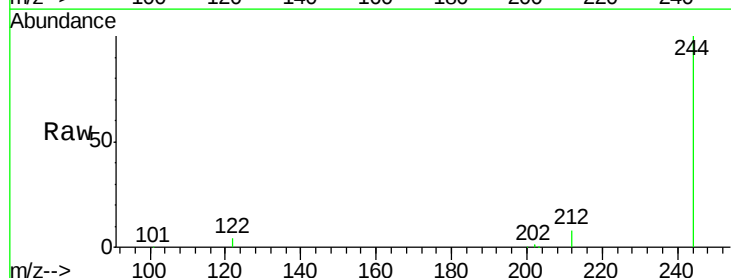
Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-161206

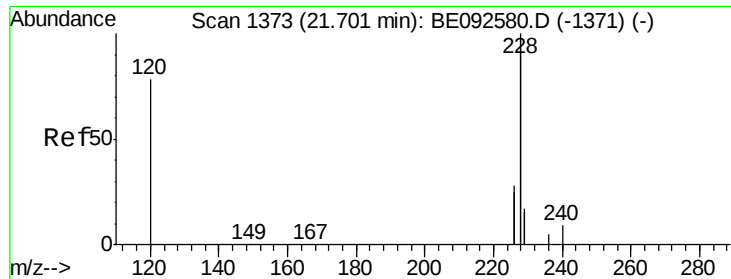
Tgt Ion:240 Resp: 80337
 Ion Ratio Lower Upper
 240 100
 120 2.7 2.6 4.0
 236 26.5 24.6 37.0



#26
 Terphenyl-d14
 Concen: 5.95 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092593.D
 Acq: 9 Dec 2016 14:48

Tgt Ion:244 Resp: 54699
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.7 10.1
 122 3.8 3.6 5.4

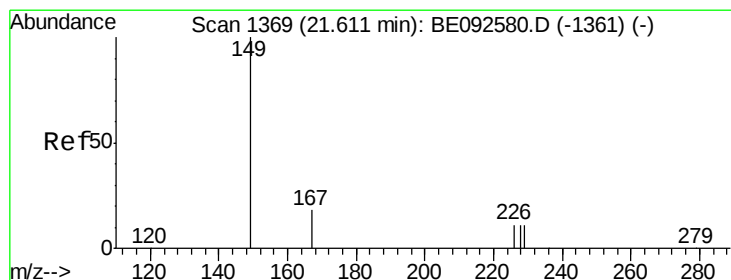
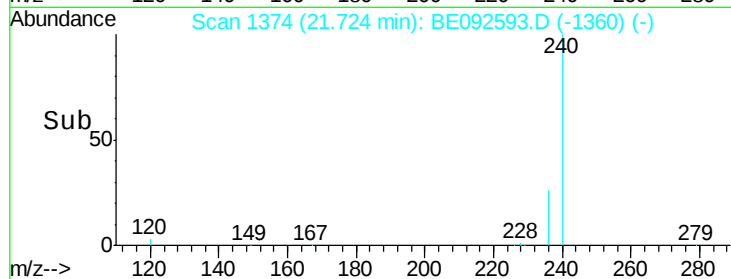
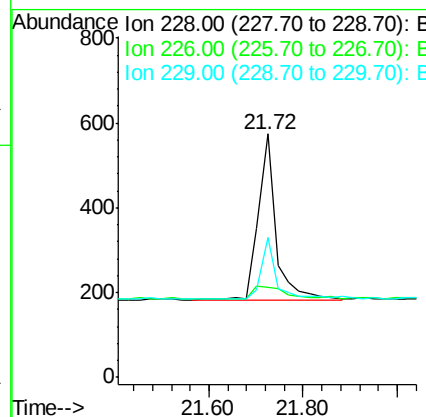
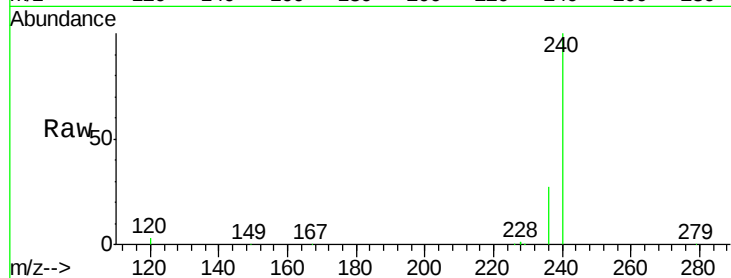




#27
Benzo(a)anthracene
Concen: 0.11 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.02 min
Lab File: BE092593.D
Acq: 9 Dec 2016 14:48

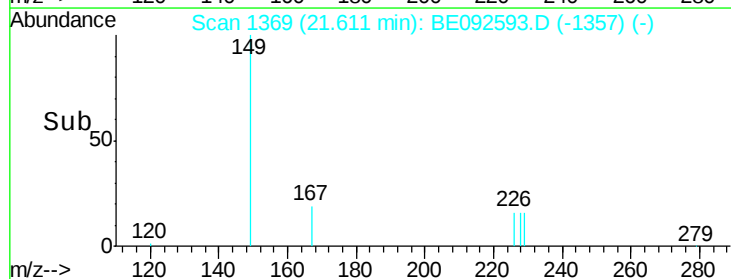
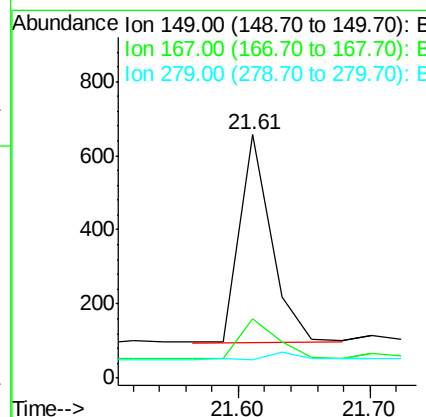
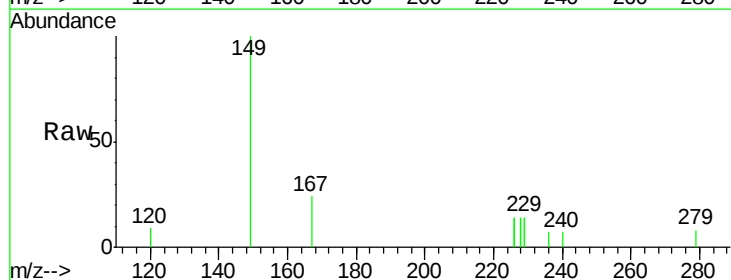
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-161206

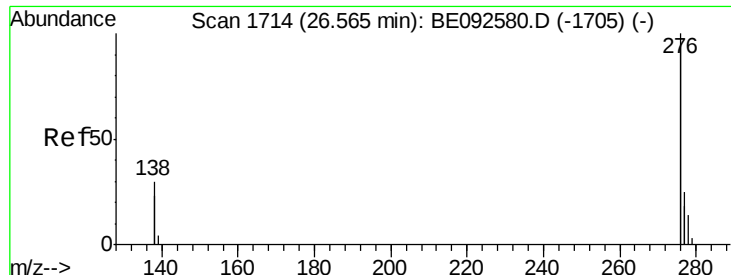
Tgt Ion:228 Resp: 1030
Ion Ratio Lower Upper
228 100
226 36.9 23.6 35.4#
229 57.5 13.3 19.9#



#29
Bis(2-ethylhexyl)phthalate
Concen: 0.30 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092593.D
Acq: 9 Dec 2016 14:48

Tgt Ion:149 Resp: 952
Ion Ratio Lower Upper
149 100
167 21.6 16.0 24.0
279 0.0 16.0 24.0#





#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.65 min Scan# 1719

Delta R.T. 0.09 min

Lab File: BE092593.D

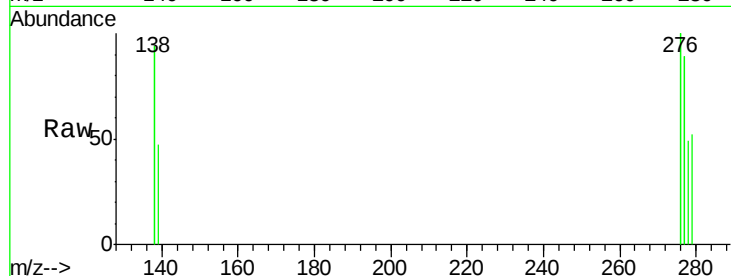
Acq: 9 Dec 2016 14:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-161206



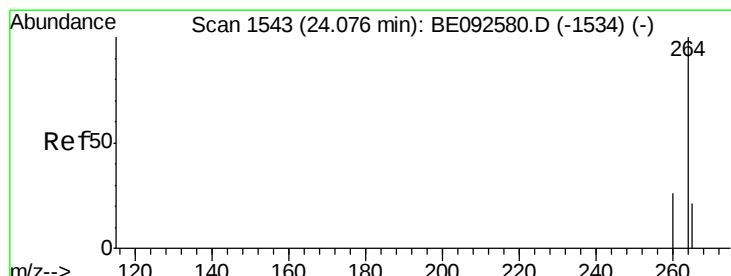
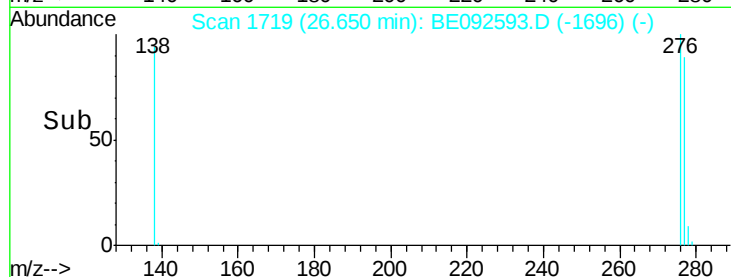
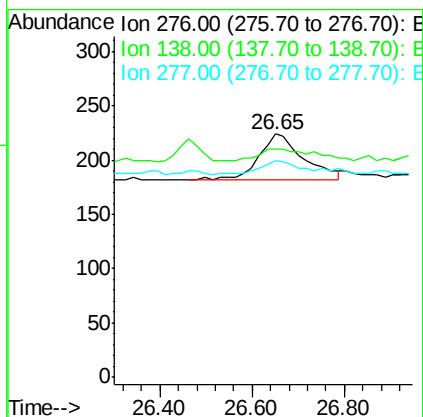
Tgt Ion: 276 Resp: 278

Ion Ratio Lower Upper

276 100

138 28.8 20.3 30.5

277 29.5 19.7 29.5



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.07 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092593.D

Acq: 9 Dec 2016 14:48

Tgt Ion: 264 Resp: 72415

Ion Ratio Lower Upper

264 100

260 25.1 20.1 30.1

265 22.2 17.9 26.9

