

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
 Data File : BE092618.D
 Acq On : 27 Dec 2016 11:51
 Operator : UM/SJ
 Sample : H6210-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-161220

Quant Time: Dec 28 01:24:10 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 19 16:16:32 2016
 Response via : Initial Calibration

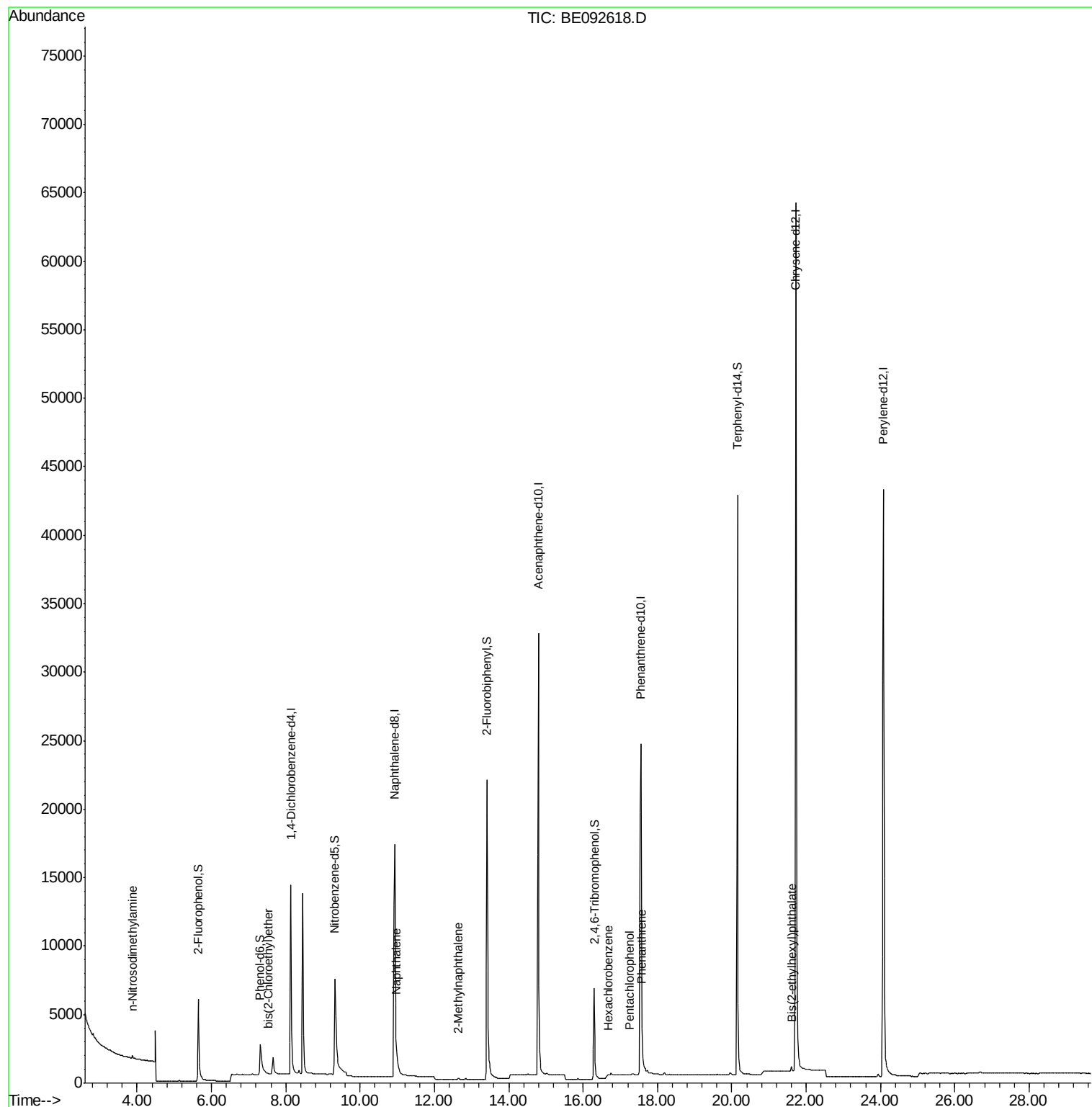
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8747	5.00	ng	0.00
7) Naphthalene-d8	10.93	136	38024	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	24298	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	55686	5.00	ng	0.00
24) Chrysene-d12	21.72	240	81584	5.00	ng	0.00
31) Perylene-d12	24.08	264	69897	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	7049	4.23	ng	-0.04
5) Phenol-d6	7.31	99	5043	2.09	ng	-0.07
8) Nitrobenzene-d5	9.32	82	12499	4.76	ng	-0.05
13) 2,4,6-Tribromophenol	16.30	330	6186	8.80	ng	-0.01
14) 2-Fluorobiphenyl	13.41	172	31422	5.41	ng	-0.02
26) Terphenyl-d14	20.16	244	54830	5.48	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.87	42	66	0.24	ng	# 2
6) bis(2-Chloroethyl)ether	7.52	93	18	0.11	ng	# 15
9) Naphthalene	10.97	128	1121	0.14	ng	# 83
11) 2-Methylnaphthalene	12.63	142	135	0.03	ng	# 75
19) Hexachlorobenzene	16.68	284	350	0.15	ng	# 39
20) Pentachlorophenol	17.26	266	29	0.08	ng	# 73
21) Phenanthrene	17.58	178	312	0.02	ng	# 77
29) Bis(2-ethylhexyl)phthalate	21.61	149	424	0.12	ng	# 76

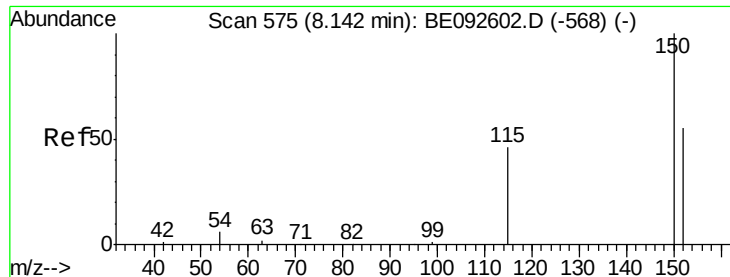
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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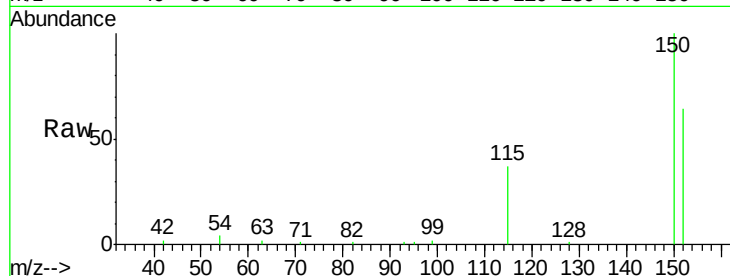
Tgt Ion:152 Resp: 8747

Ion Ratio Lower Upper

152 100

150 156.2 106.0 159.0

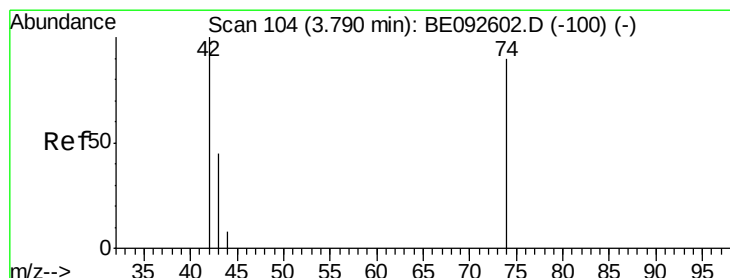
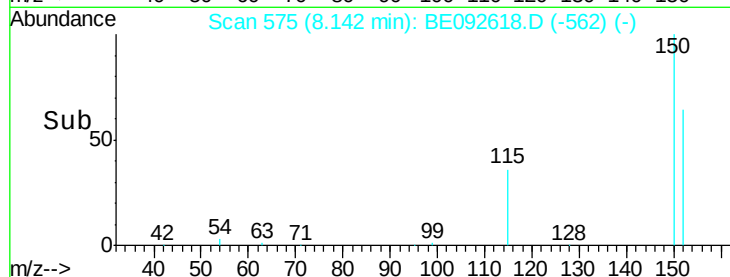
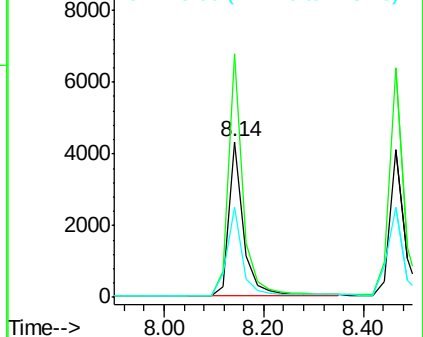
115 57.7 31.2 46.8#



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



#3

n-Nitrosodimethylamine

Concen: 0.24 ng

RT: 3.87 min Scan# 111

Delta R.T. 0.08 min

Lab File: BE092618.D

Acq: 27 Dec 2016 11:51

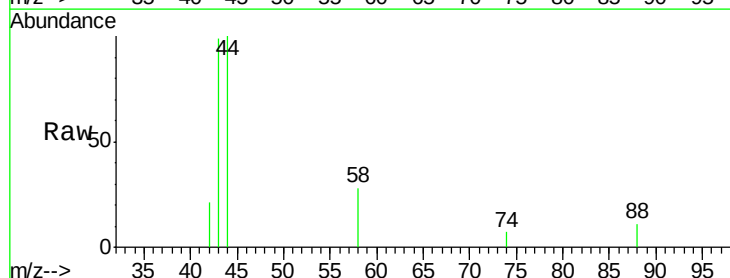
Tgt Ion: 42 Resp: 66

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

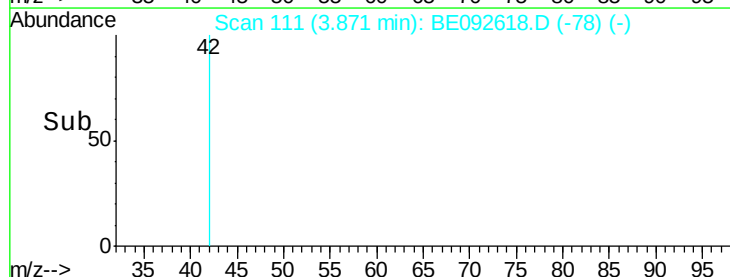
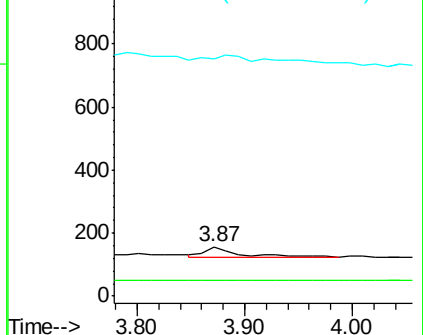
44 0.0 5.1 7.7#

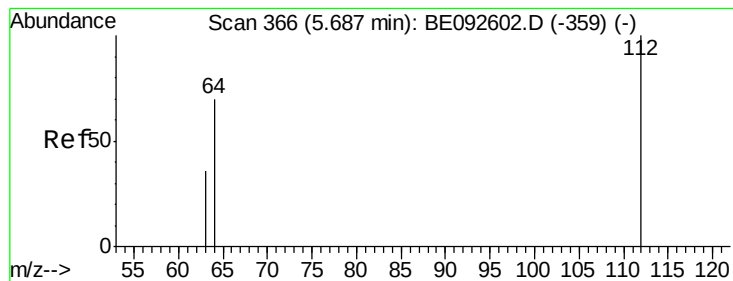


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 4.23 ng

RT: 5.65 min Scan# 359

Delta R.T. -0.04 min

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Acq: 27 Dec 2016 11:51

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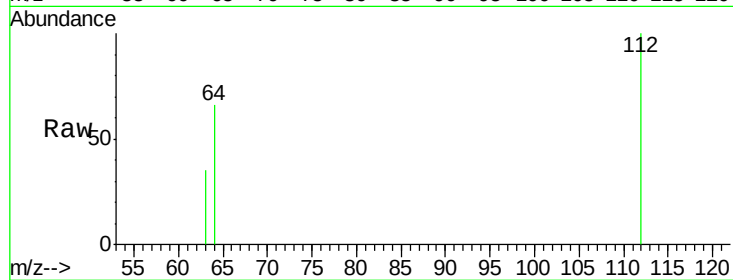
Tgt Ion: 112 Resp: 7049

Ion Ratio Lower Upper

112 100

64 68.7 53.5 80.3

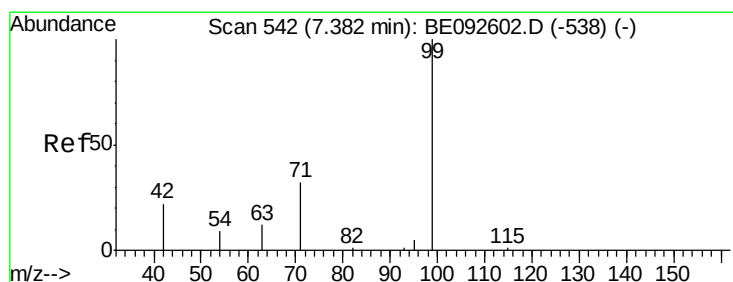
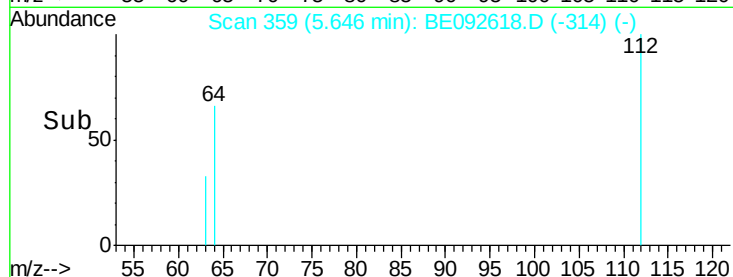
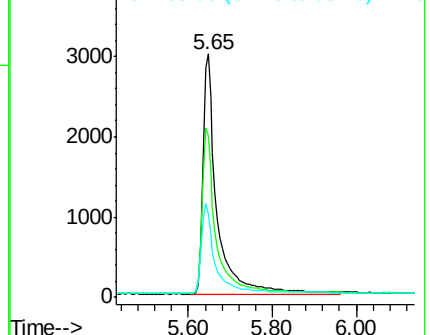
63 37.4 27.9 41.9



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: 2.09 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.07 min

Lab File: BE092618.D

Acq: 27 Dec 2016 11:51

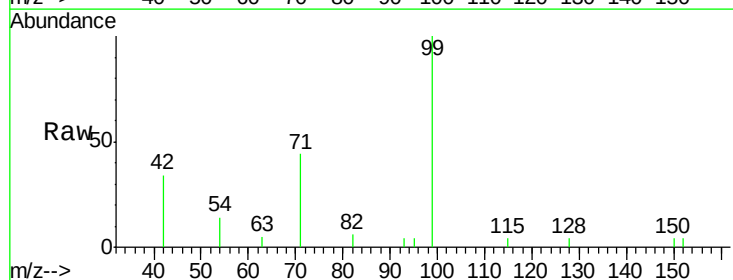
Tgt Ion: 99 Resp: 5043

Ion Ratio Lower Upper

99 100

42 24.9 16.0 24.0#

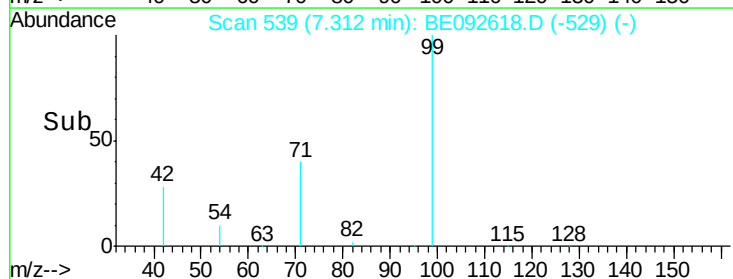
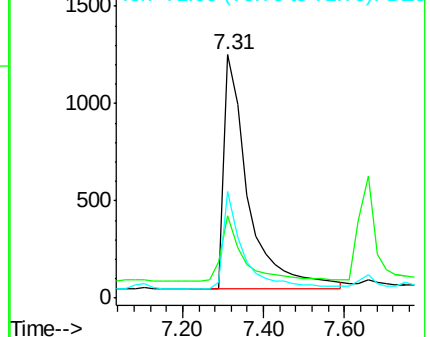
71 34.2 30.6 45.8

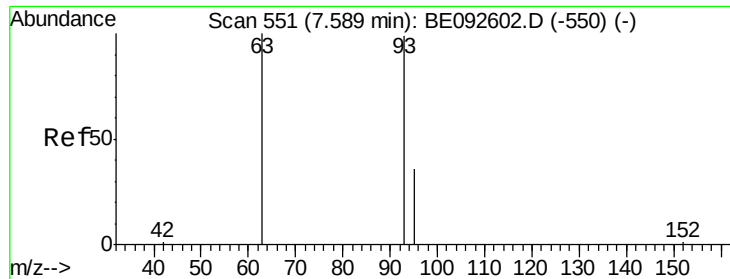


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.11 ng

RT: 7.52 min Scan# 548

Delta R.T. -0.07 min

Lab File: BE092618.D

Acq: 27 Dec 2016 11:51

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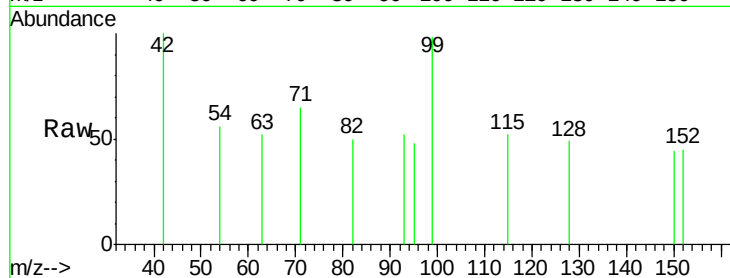
Tgt Ion: 93 Resp: 18

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

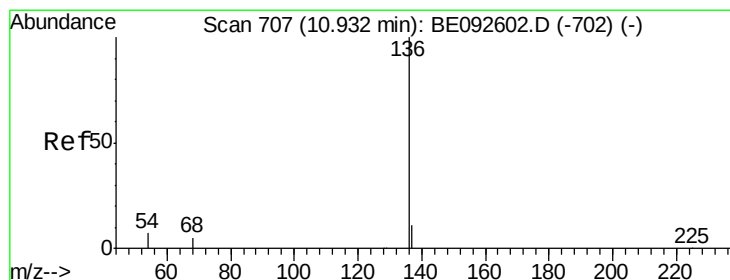
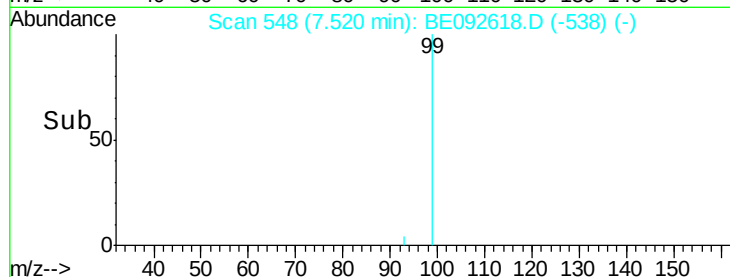
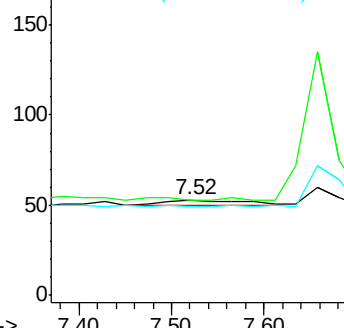
95 0.0 24.0 36.0#



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: BE092618.D

Acq: 27 Dec 2016 11:51

Tgt Ion: 136 Resp: 38024

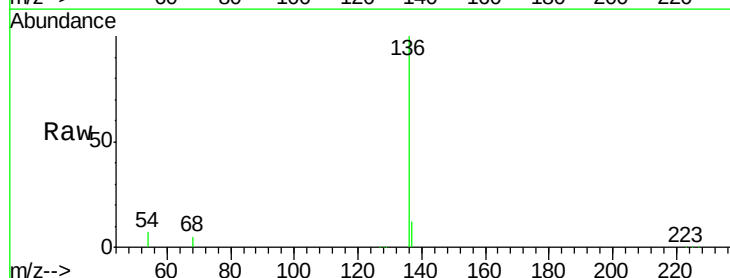
Ion Ratio Lower Upper

136 100

137 11.8 8.2 12.4

54 6.5 9.6 14.4#

68 4.8 6.7 10.1#

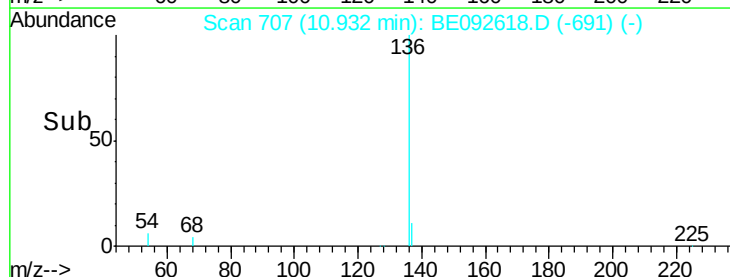
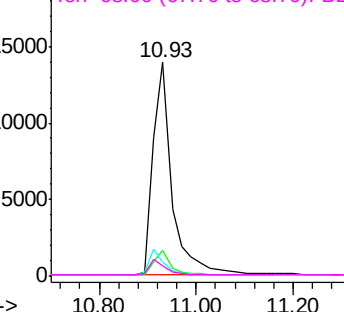


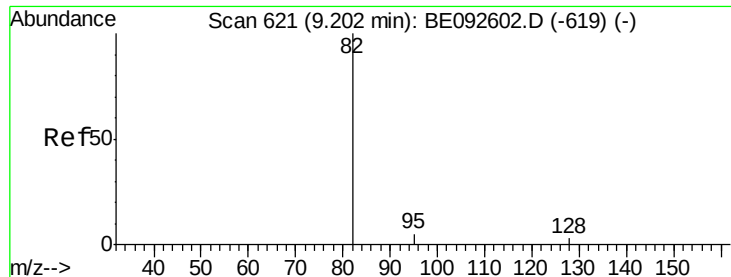
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.76 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

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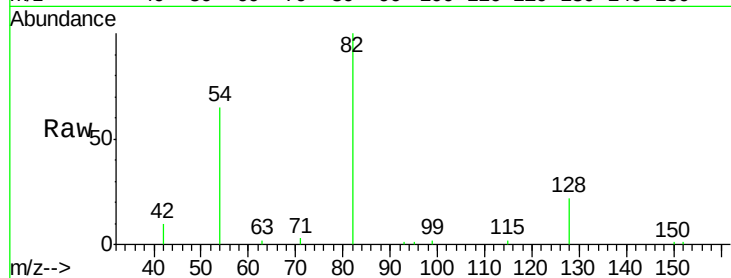
Tgt Ion: 82 Resp: 12499

Ion Ratio Lower Upper

82 100

128 21.6 39.0 58.4#

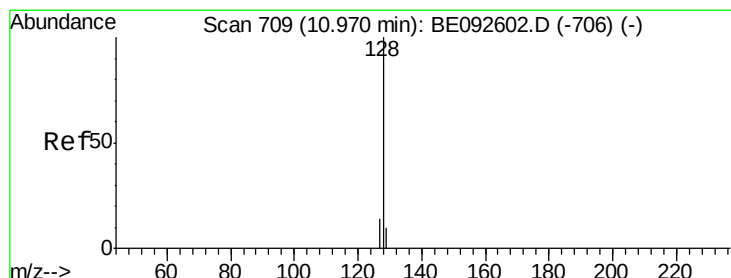
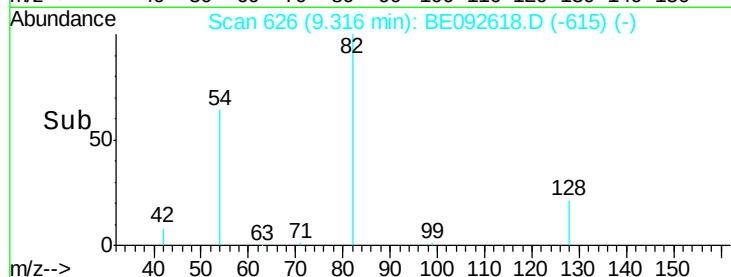
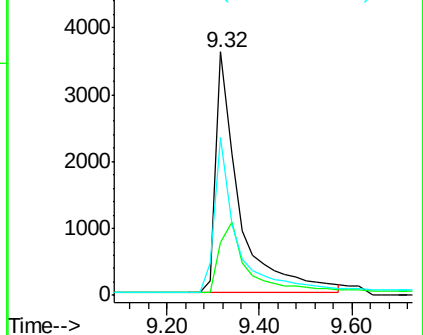
54 64.8 44.8 67.2



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: 0.14 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE092618.D

Acq: 27 Dec 2016 11:51

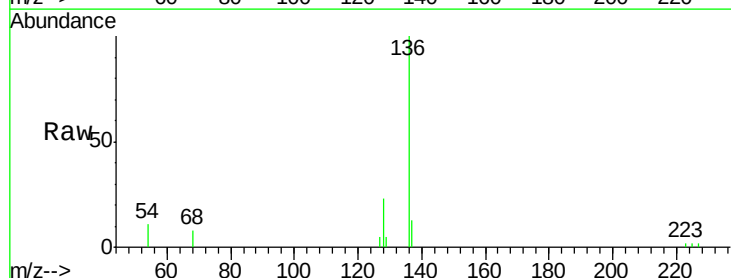
Tgt Ion: 128 Resp: 1121

Ion Ratio Lower Upper

128 100

129 20.5 11.2 16.8#

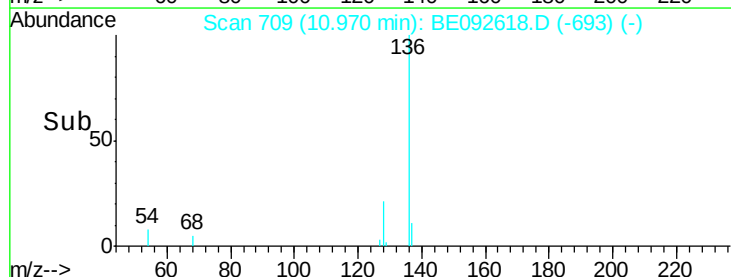
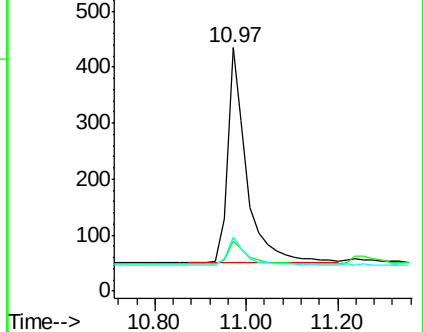
127 22.1 11.6 17.4#

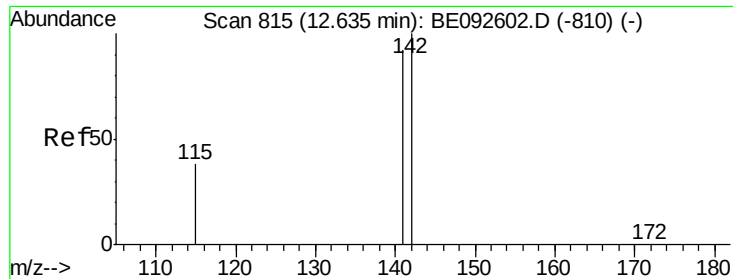


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

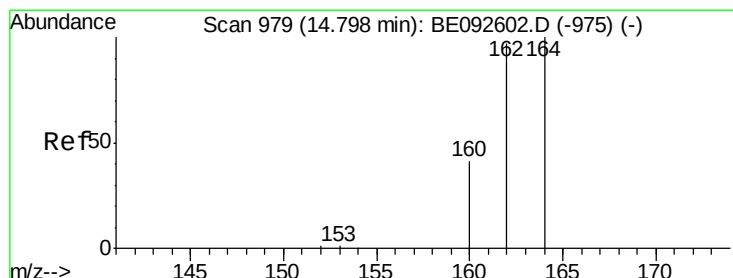
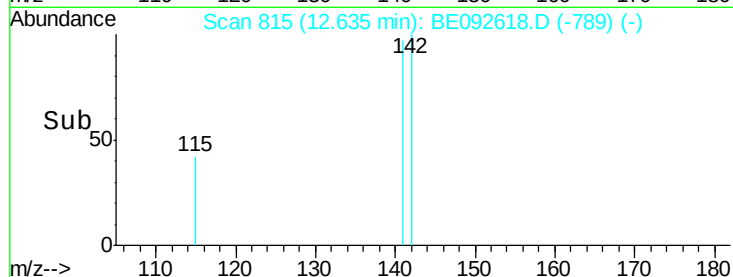
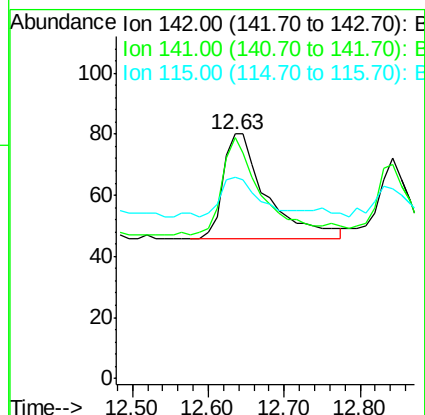
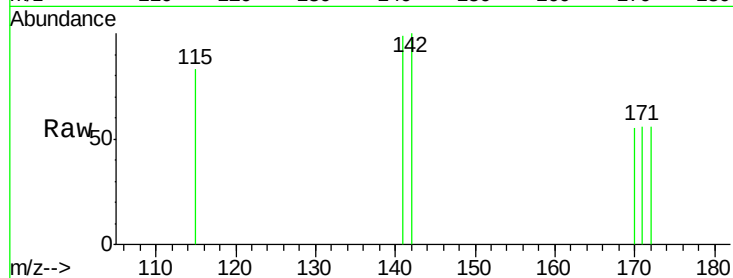




#11
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.63 min Scan# 815
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

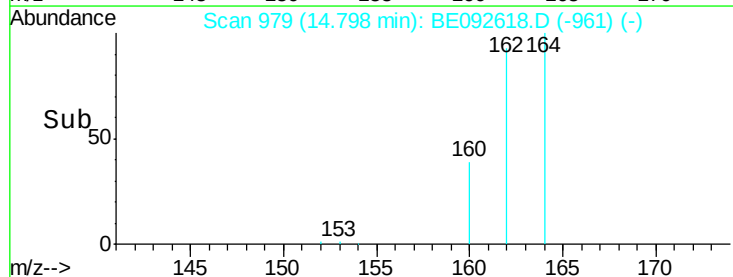
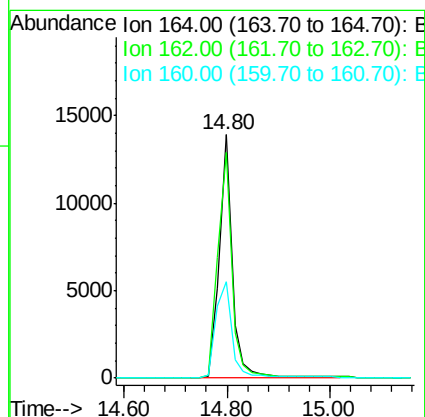
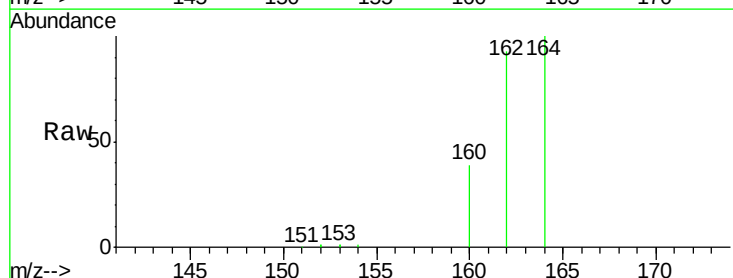
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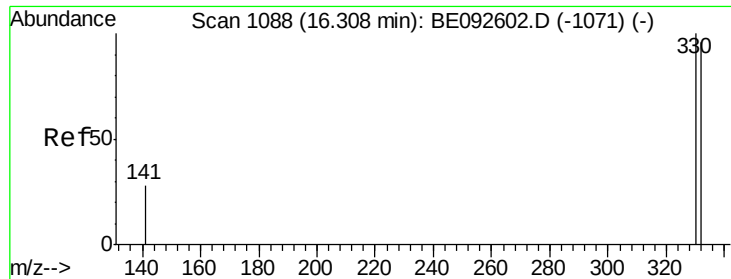
Tgt Ion:142 Resp: 135
Ion Ratio Lower Upper
142 100
141 98.8 73.7 110.5
115 82.5 34.0 51.0#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion:164 Resp: 24298
Ion Ratio Lower Upper
164 100
162 92.8 71.4 107.0
160 39.4 27.4 41.2

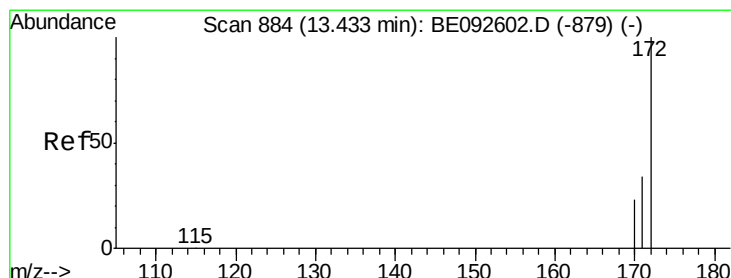
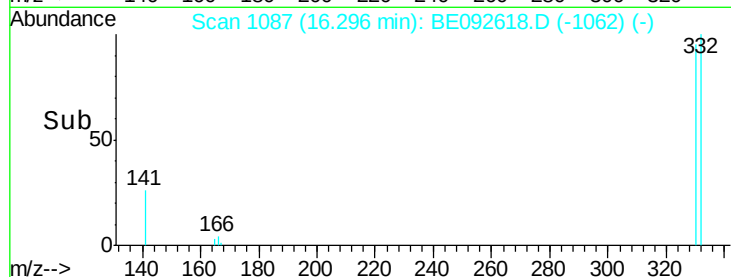
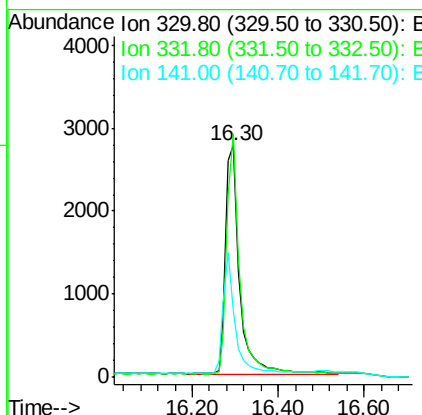
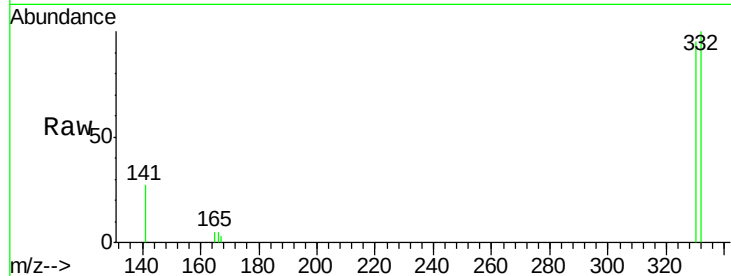




#13
 2,4,6-Tribromophenol
 Concen: 8.80 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092618.D
 Acq: 27 Dec 2016 11:51

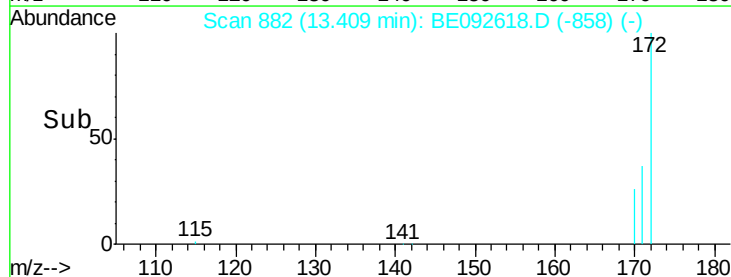
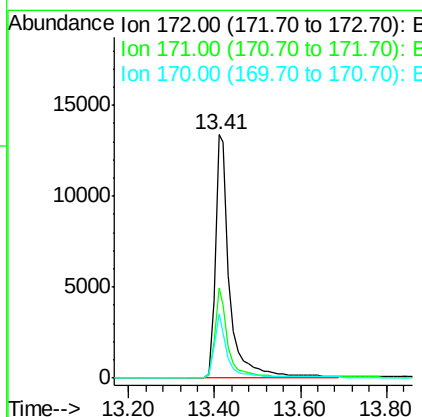
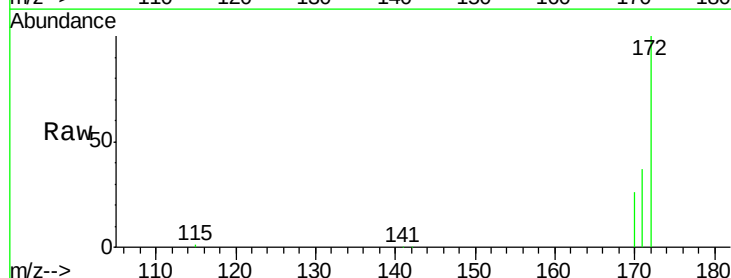
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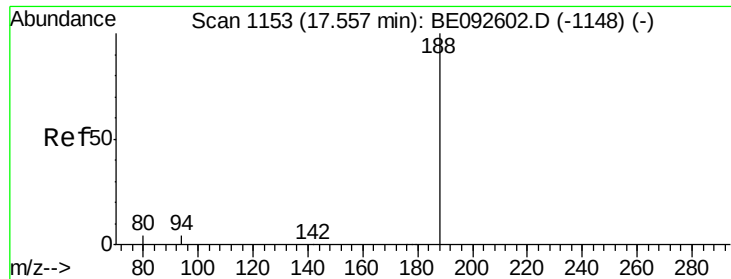
Tgt Ion: 330 Resp: 6186
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.4 113.0
 141 46.0 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.41 ng
 RT: 13.41 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BE092618.D
 Acq: 27 Dec 2016 11:51

Tgt Ion: 172 Resp: 31422
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.1 45.1
 170 26.5 21.8 32.6

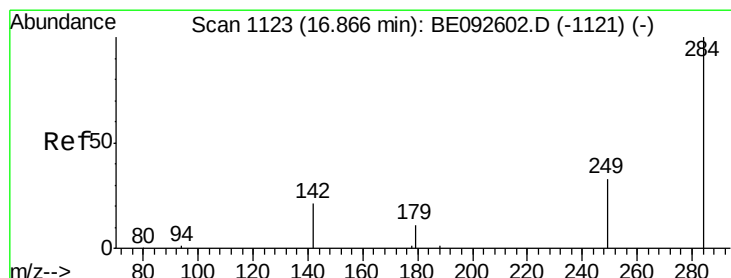
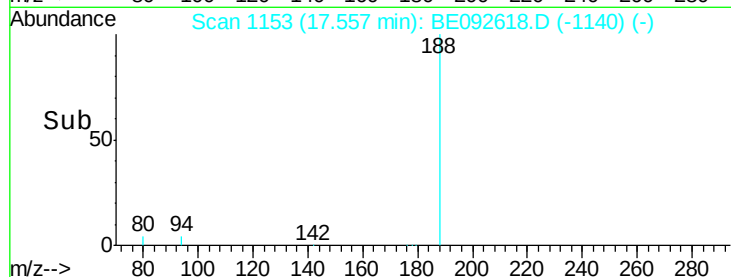
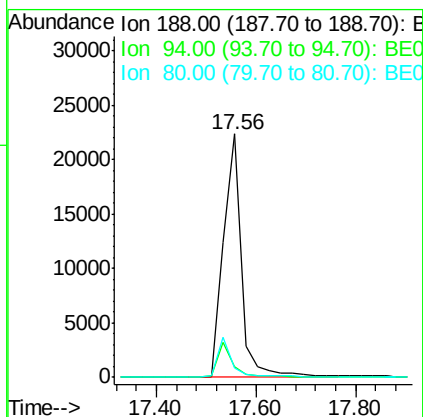
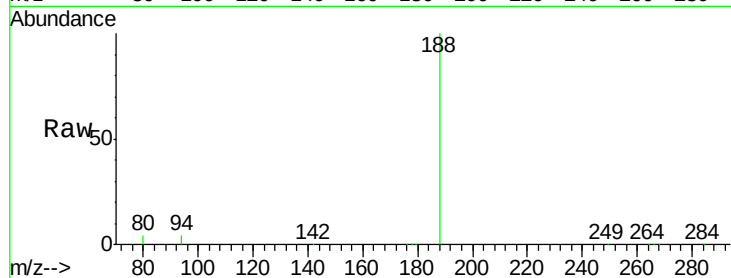




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

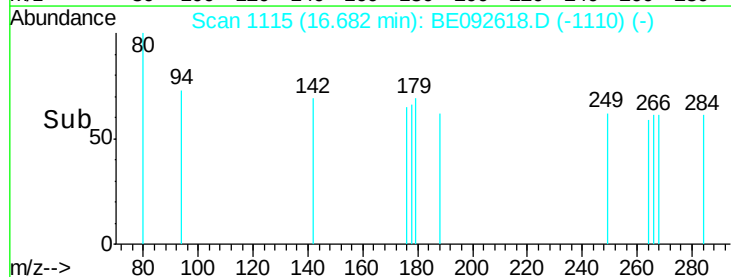
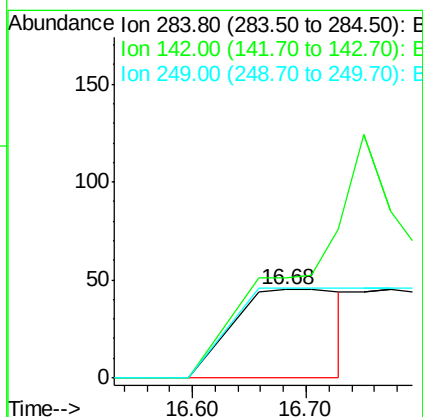
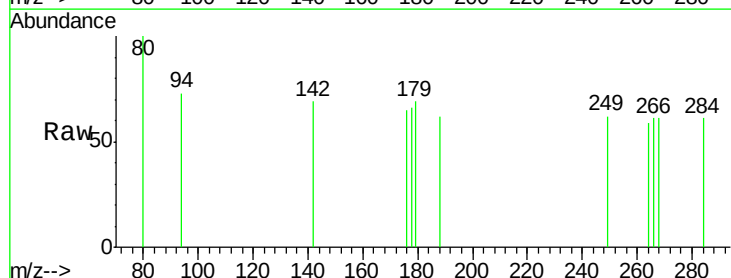
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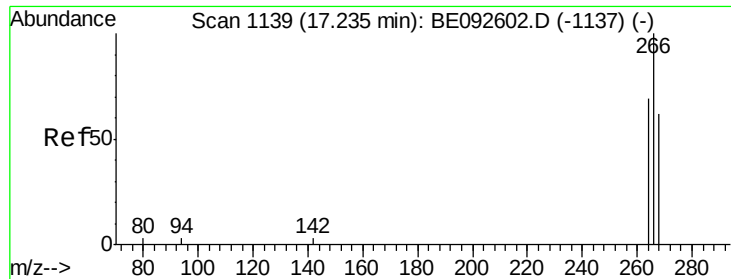
Tgt Ion:188 Resp: 55686
Ion Ratio Lower Upper
188 100
94 4.3 3.2 4.8
80 3.9 2.6 3.8#



#19
Hexachlorobenzene
Concen: 0.15 ng
RT: 16.68 min Scan# 1115
Delta R.T. -0.18 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion:284 Resp: 350
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#





#20

Pentachlorophenol

Concen: 0.08 ng

RT: 17.26 min Scan# 1140

Delta R.T. 0.02 min

Lab File: BE092618.D

Acq: 27 Dec 2016 11:51

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-161220

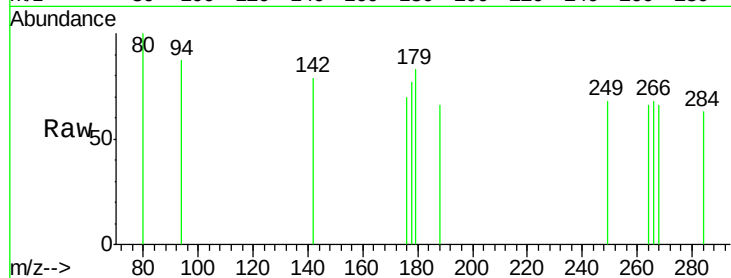
Tgt Ion: 266 Resp: 29

Ion Ratio Lower Upper

266 100

268 97.9 62.5 93.7#

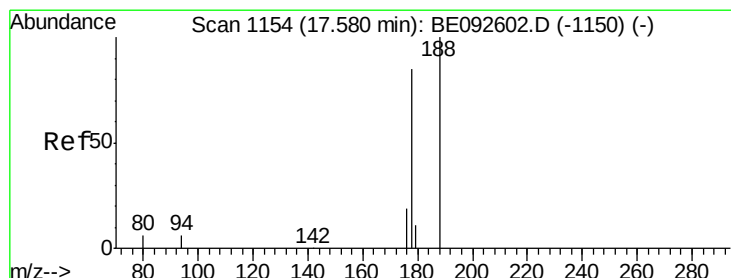
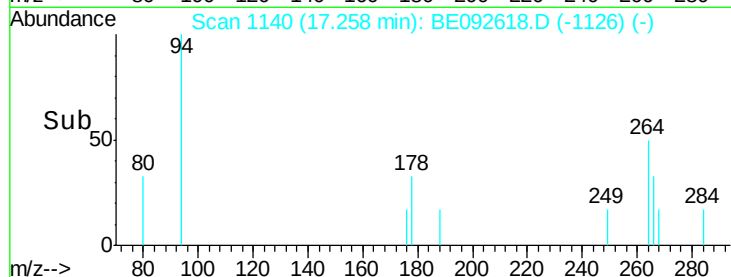
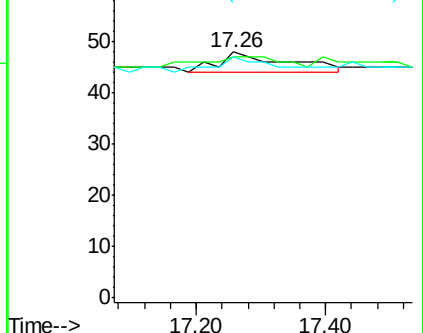
264 97.9 57.2 85.8#



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



#21

Phenanthrene

Concen: 0.02 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE092618.D

Acq: 27 Dec 2016 11:51

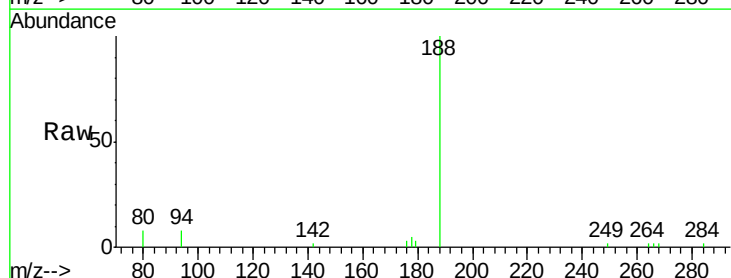
Tgt Ion: 178 Resp: 312

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

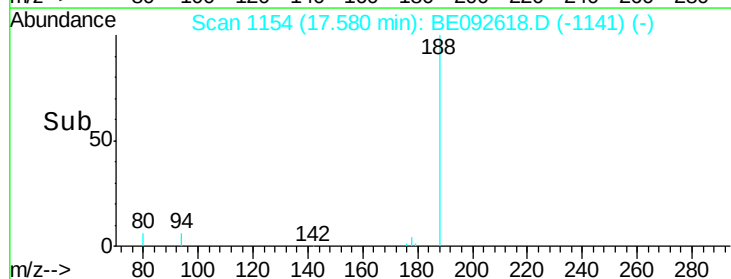
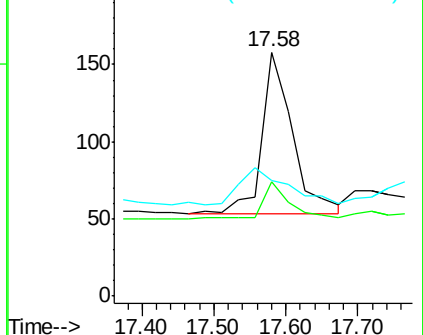
179 0.0 16.0 24.0#

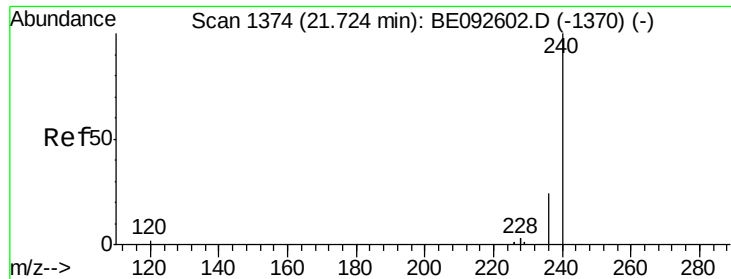


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092618.D

Acq: 27 Dec 2016 11:51

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-161220

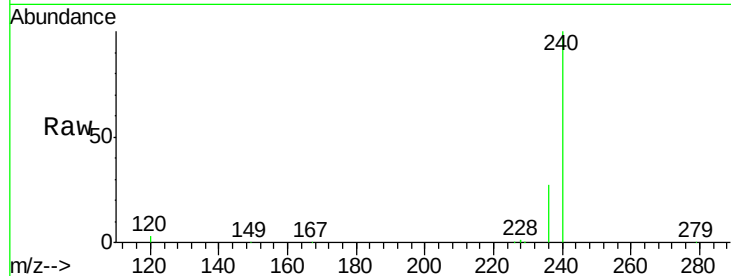
Tgt Ion:240 Resp: 81584

Ion Ratio Lower Upper

240 100

120 3.0 2.6 4.0

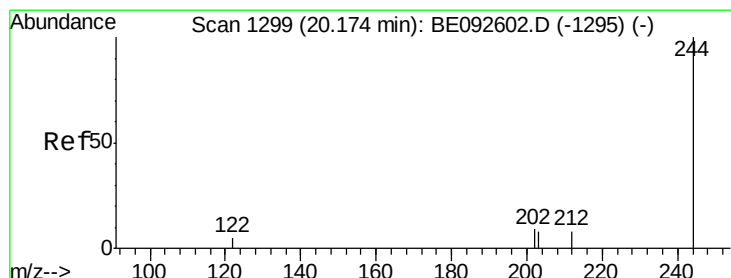
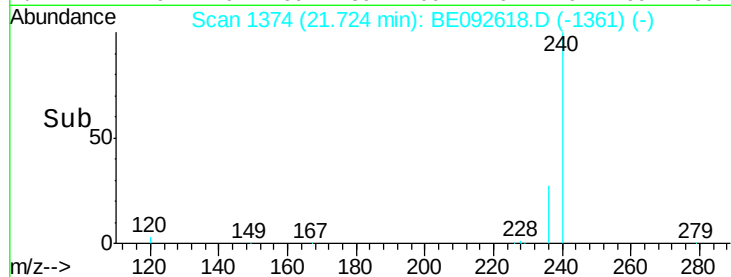
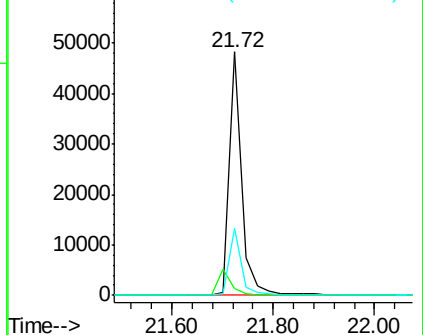
236 27.4 24.6 37.0



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: 5.48 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092618.D

Acq: 27 Dec 2016 11:51

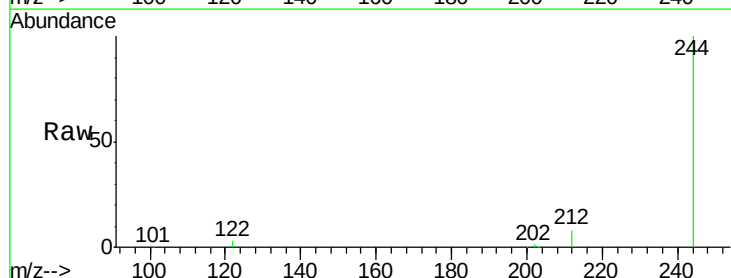
Tgt Ion:244 Resp: 54830

Ion Ratio Lower Upper

244 100

212 7.9 6.7 10.1

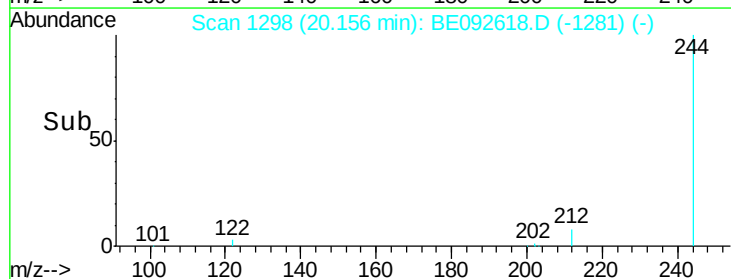
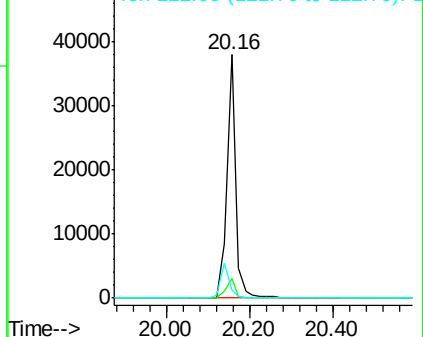
122 3.2 3.6 5.4#

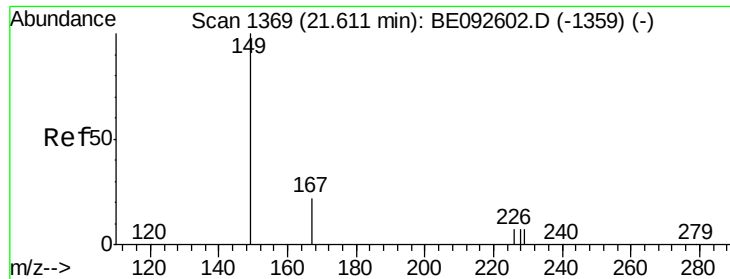


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.12 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092618.D

Acq: 27 Dec 2016 11:51

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-161220

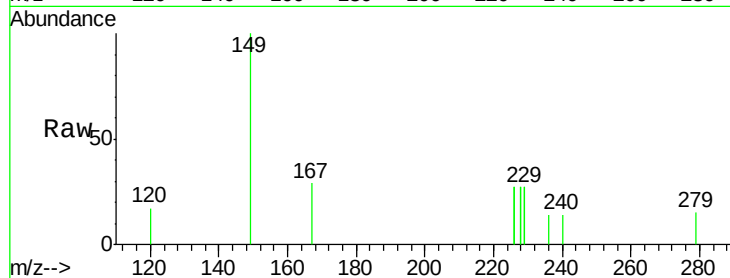
Tgt Ion:149 Resp: 424

Ion Ratio Lower Upper

149 100

167 22.2 16.0 24.0

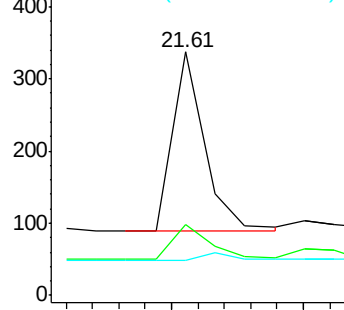
279 0.0 16.0 24.0#



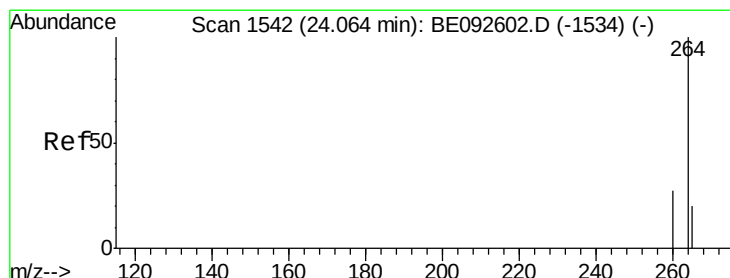
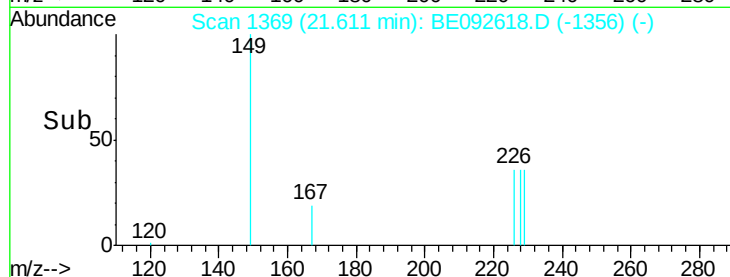
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. 0.01 min

Lab File: BE092618.D

Acq: 27 Dec 2016 11:51

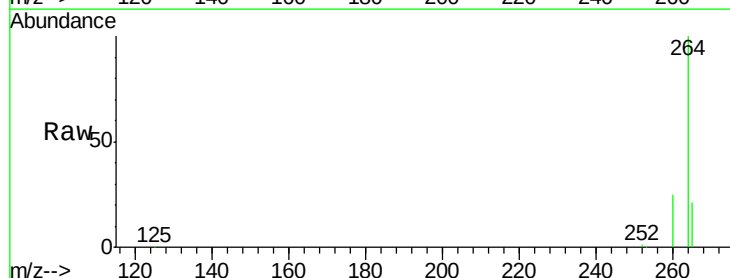
Tgt Ion:264 Resp: 69897

Ion Ratio Lower Upper

264 100

260 25.4 20.1 30.1

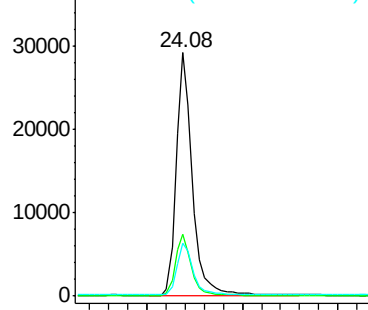
265 21.5 17.9 26.9



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



Time-->

