

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
 Data File : BE092544.D
 Acq On : 16 Nov 2016 21:35
 Operator : UM/SJ
 Sample : H5636-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CPS043044

Quant Time: Nov 17 04:52:43 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	7486	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	33519	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	22129	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	49761	5.00	ng	0.00
24) Chrysene-d12	21.72	240	75155	5.00	ng	0.00
31) Perylene-d12	24.08	264	68181	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	7360	5.82	ng	-0.02
5) Phenol-d6	7.34	99	5317	2.60	ng	-0.02
8) Nitrobenzene-d5	9.32	82	12333	5.66	ng	-0.04
13) 2,4,6-Tribromophenol	16.30	330	6572	13.24	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	30502	5.65	ng	-0.01
26) Terphenyl-d14	20.16	244	53367	6.21	ng	-0.02

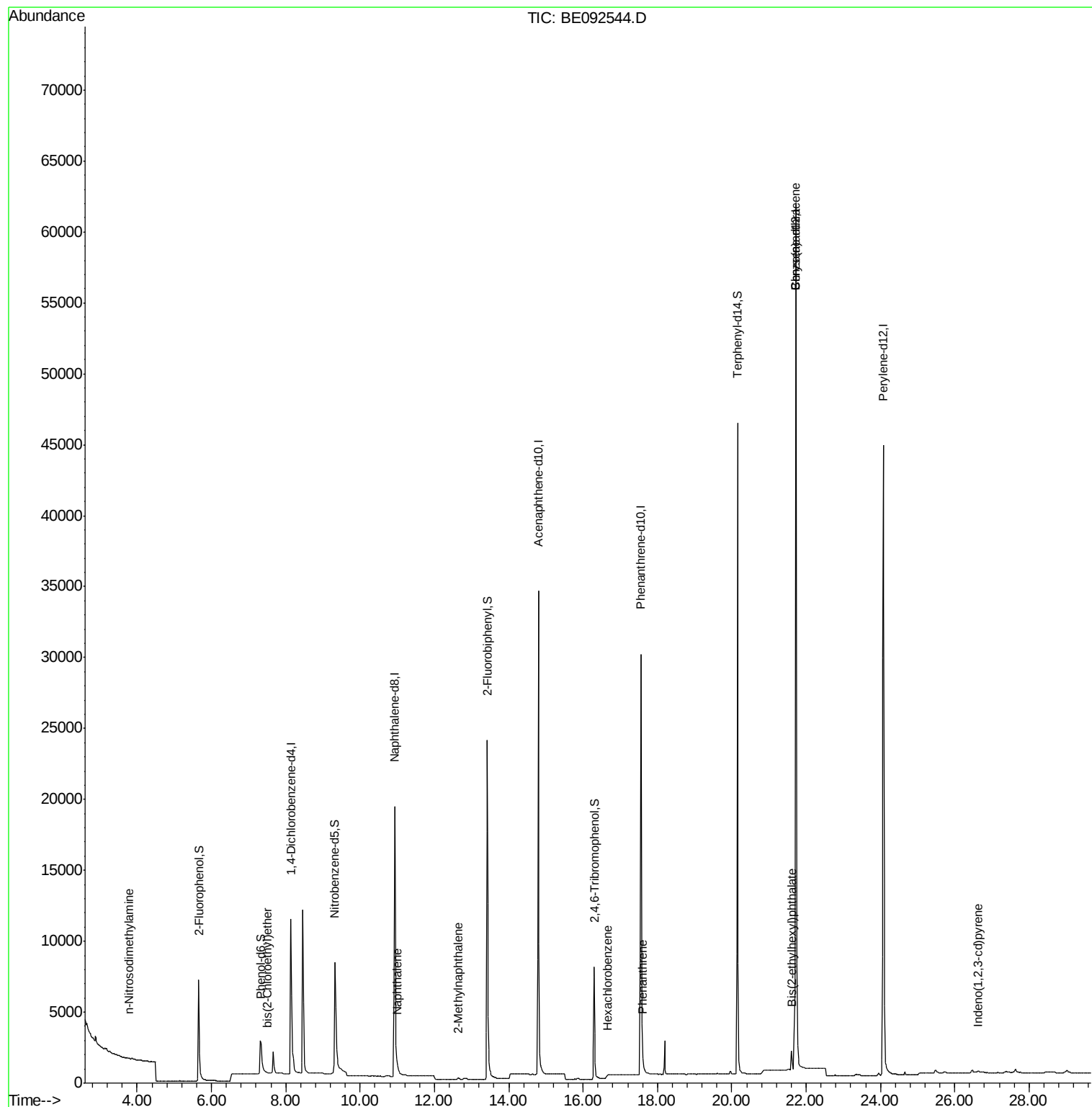
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.79	42	10	0.19	ng	# 83
6) bis(2-Chloroethyl)ether	7.50	93	21	0.05	ng	# 24
9) Naphthalene	10.99	128	210	0.03	ng	# 20
11) 2-Methylnaphthalene	12.64	142	125	0.03	ng	# 82
19) Hexachlorobenzene	16.66	284	405	0.21	ng	# 39
21) Phenanthrene	17.60	178	381	0.03	ng	# 88
27) Benzo(a)anthracene	21.72	228	970	0.11	ng	# 61
29) Bis(2-ethylhexyl)phthalate	21.61	149	2024	0.53	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.63	276	323	0.05	ng	# 74

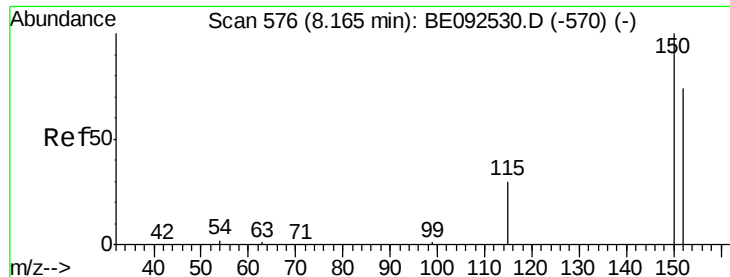
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

Instrument :

BNA_E

ClientSampleId :

CPS043044

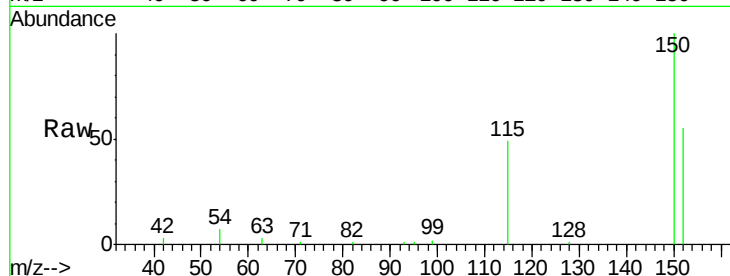
Tgt Ion:152 Resp: 7486

Ion Ratio Lower Upper

152 100

150 183.0 106.0 159.0#

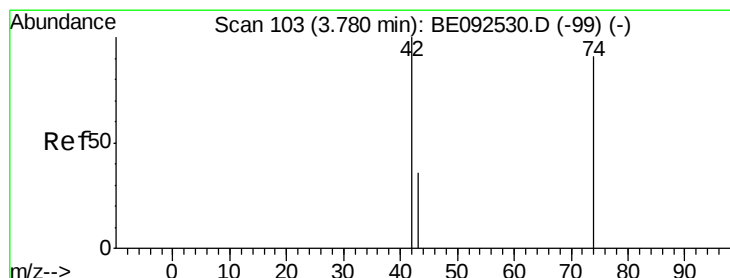
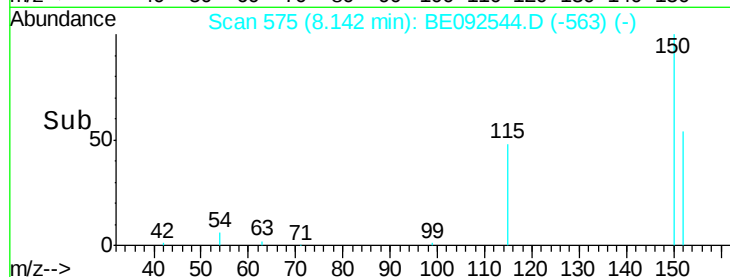
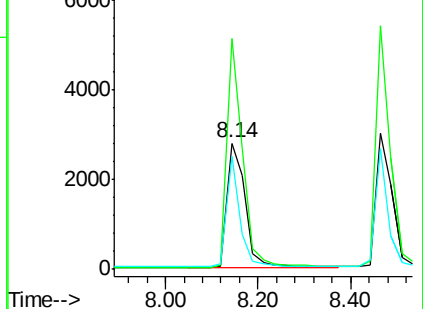
115 89.9 31.2 46.8#



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: 0.19 ng

RT: 3.79 min Scan# 104

Delta R.T. 0.01 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

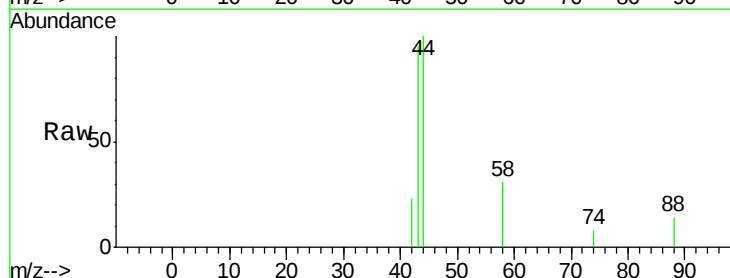
Tgt Ion: 42 Resp: 10

Ion Ratio Lower Upper

42 100

74 90.0 86.0 129.0

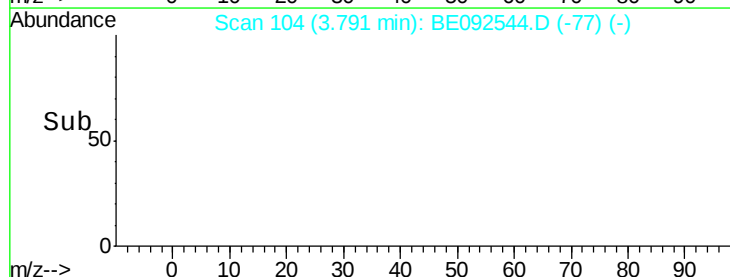
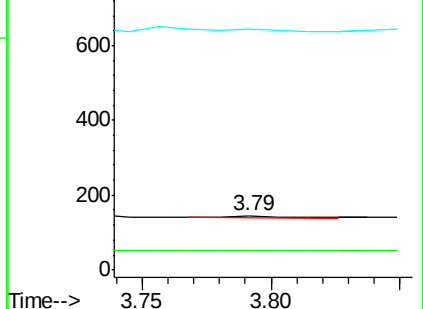
44 0.0 5.1 7.7#

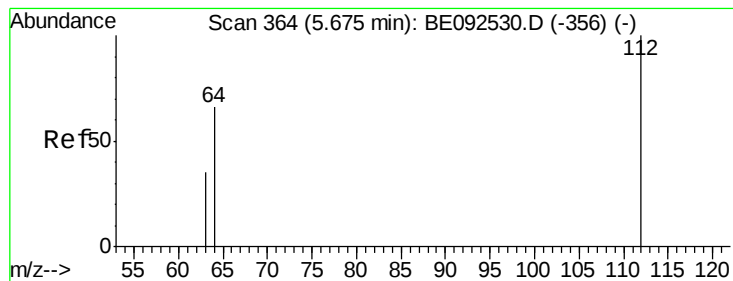


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.82 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

Instrument :

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ClientSampleId :

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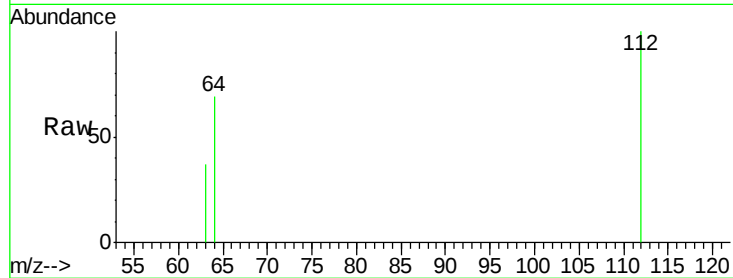
Tgt Ion: 112 Resp: 7360

Ion Ratio Lower Upper

112 100

64 67.7 53.5 80.3

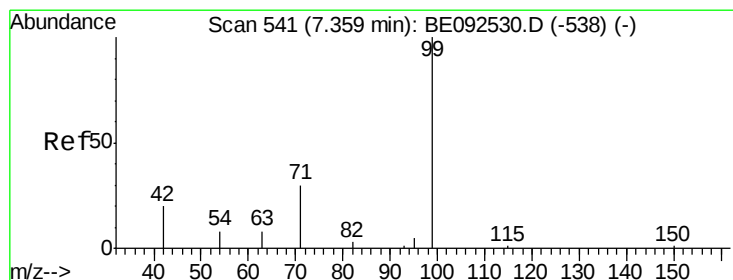
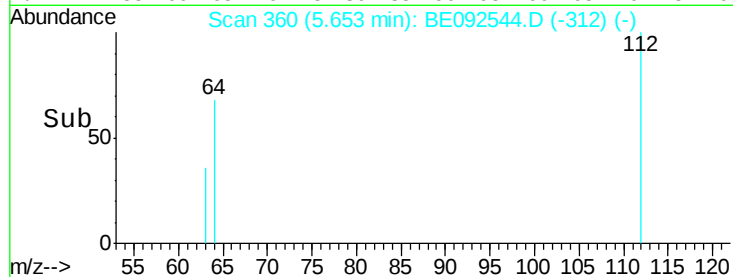
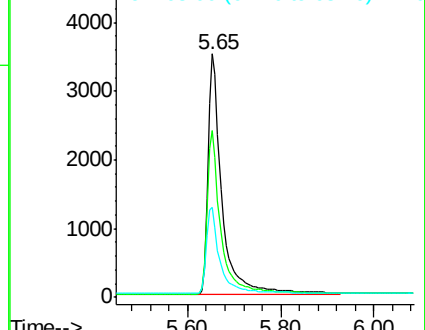
63 36.6 27.9 41.9



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: 2.60 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

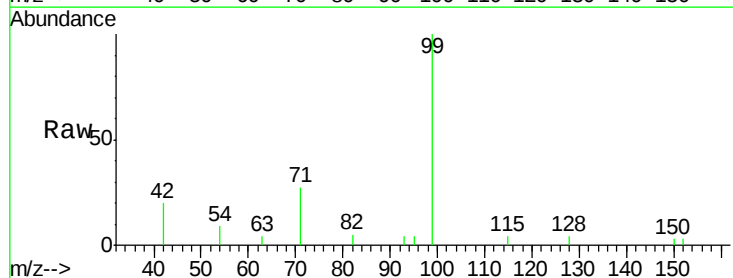
Tgt Ion: 99 Resp: 5317

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

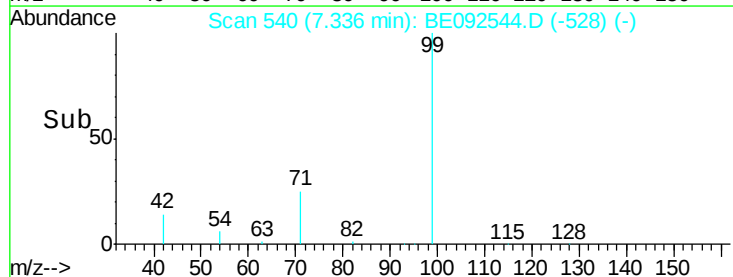
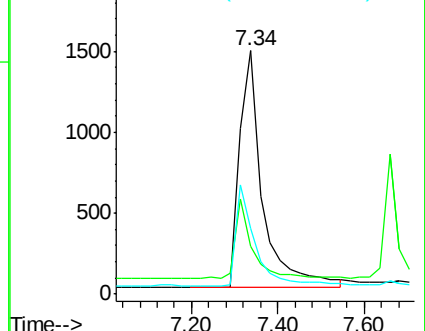
71 0.0 30.6 45.8#

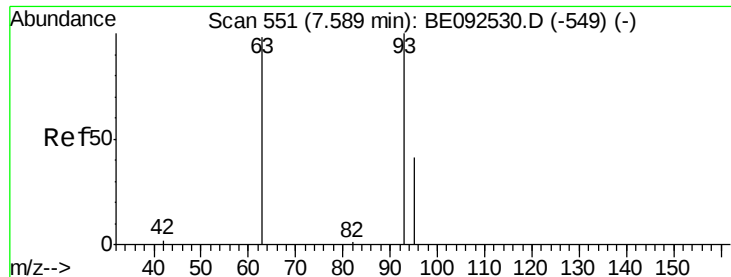


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 7.50 min Scan# 547

Delta R.T. -0.09 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

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BNA_E

ClientSampleId :

CPS043044

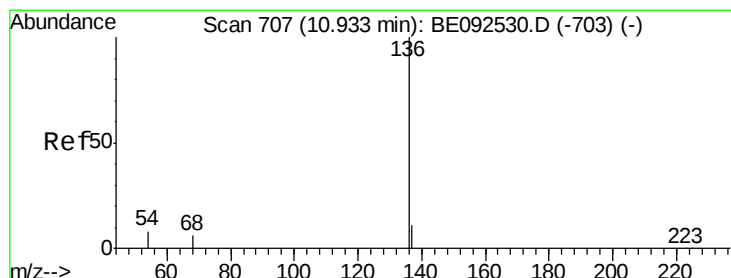
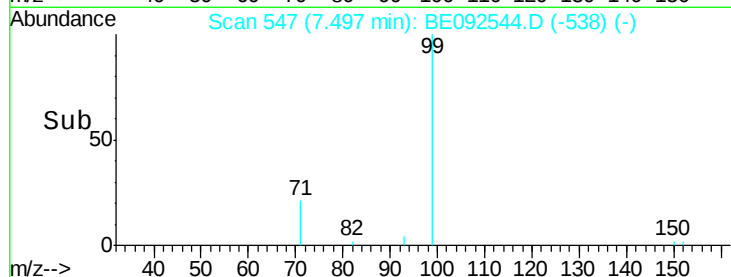
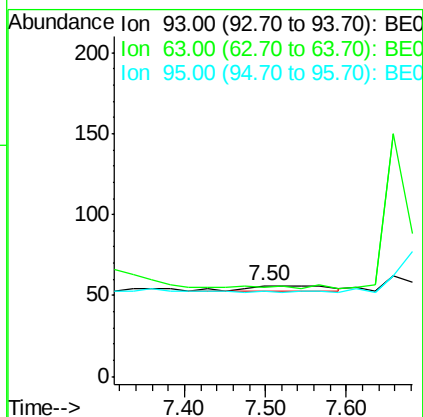
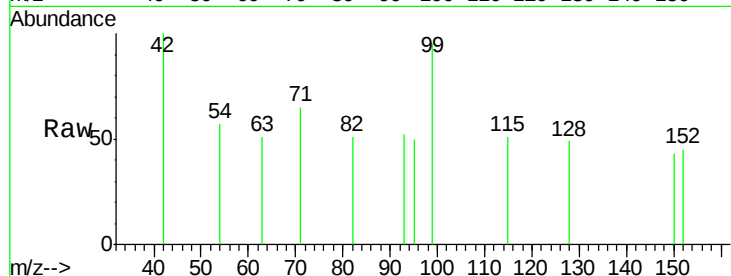
Tgt Ion: 93 Resp: 21

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

95 19.0 24.0 36.0#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

Tgt Ion: 136 Resp: 33519

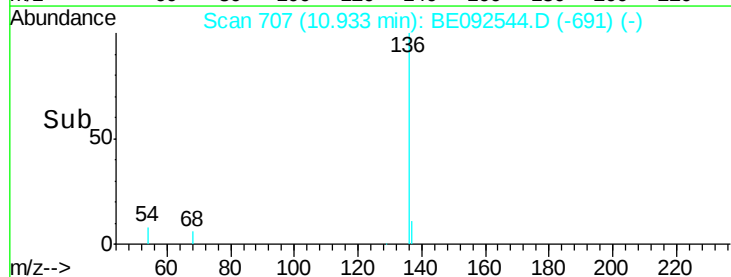
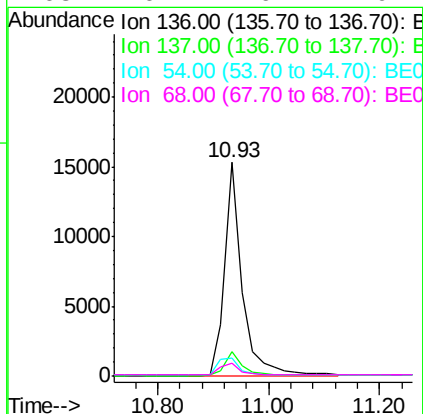
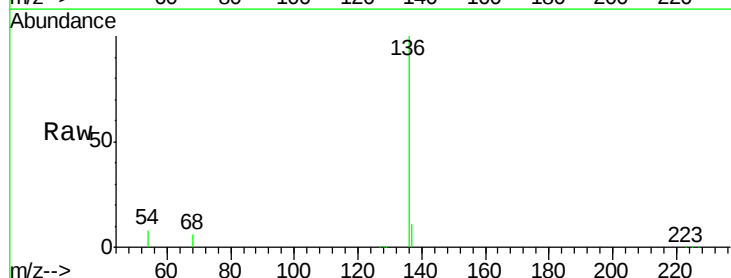
Ion Ratio Lower Upper

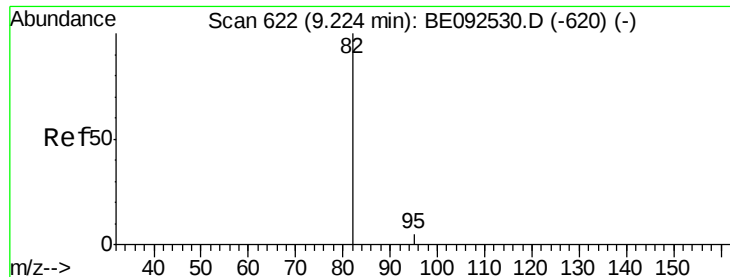
136 100

137 11.1 8.2 12.4

54 8.3 9.6 14.4#

68 6.1 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 5.66 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.04 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

Instrument :

BNA_E

ClientSampleId :

CPS043044

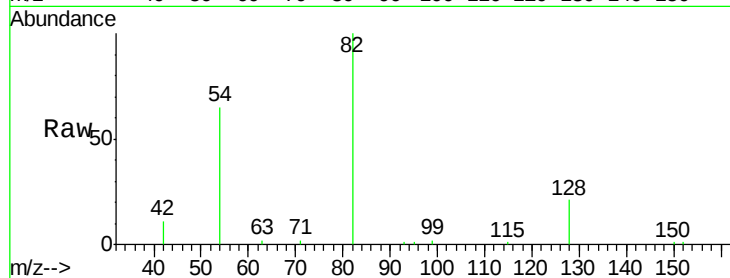
Tgt Ion: 82 Resp: 12333

Ion Ratio Lower Upper

82 100

128 20.9 39.0 58.4#

54 64.5 44.8 67.2



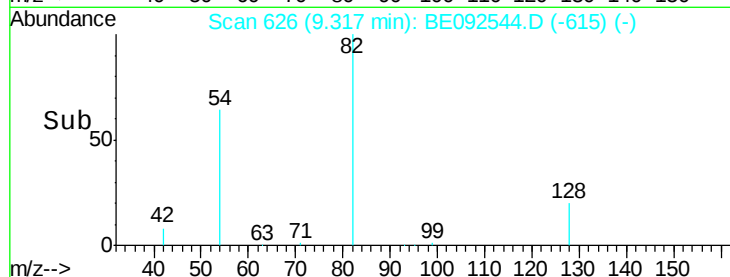
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

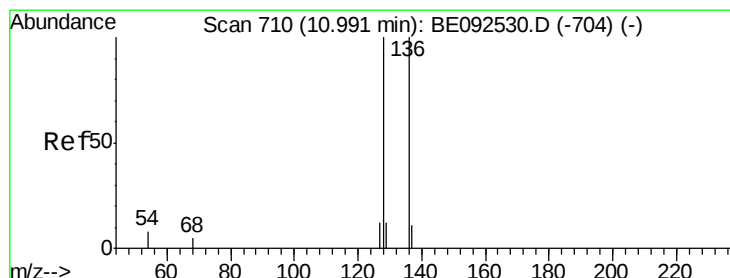
Ion 54.00 (53.70 to 54.70): BE0

9.32

Time-->



Time-->



#9

Naphthalene

Concen: 0.03 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.00 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

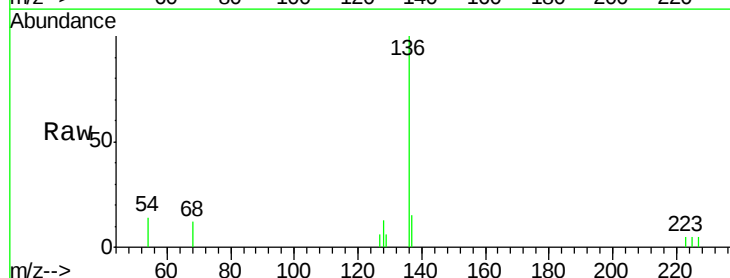
Tgt Ion: 128 Resp: 210

Ion Ratio Lower Upper

128 100

129 47.9 11.2 16.8#

127 46.2 11.6 17.4#



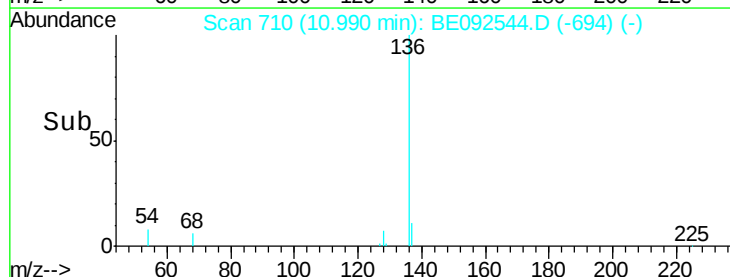
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

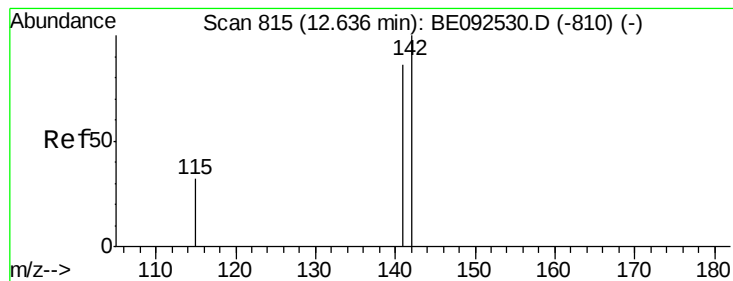
Ion 127.00 (126.70 to 127.70): E

10.99

Time-->



Time-->



#11

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.64 min Scan# 815

Delta R.T. -0.00 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

Instrument :

BNA_E

ClientSampleId :

CPS043044

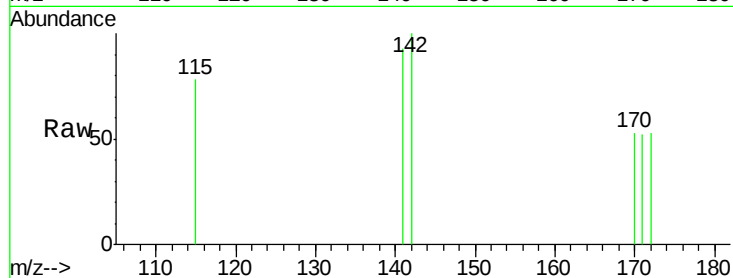
Tgt Ion:142 Resp: 125

Ion Ratio Lower Upper

142 100

141 92.9 73.7 110.5

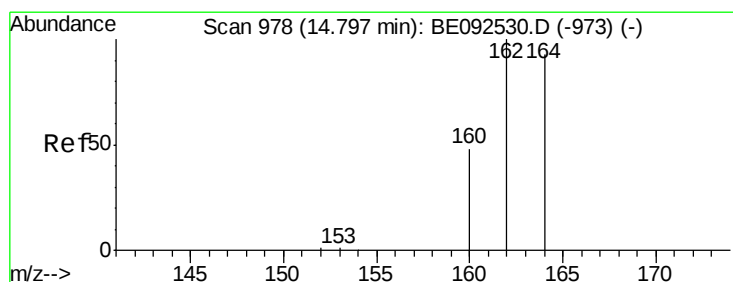
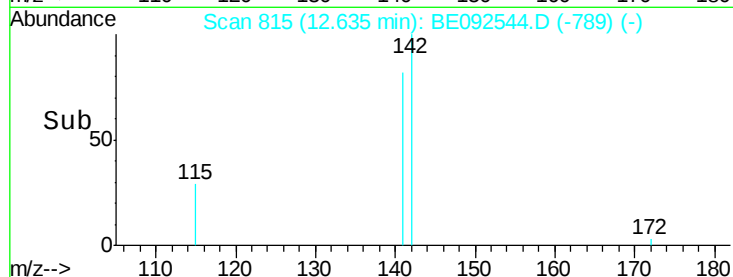
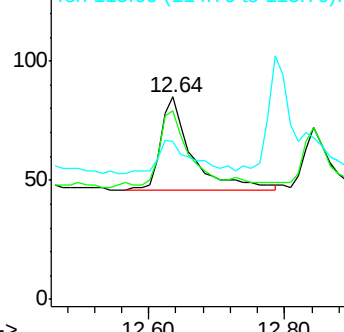
115 77.6 34.0 51.0#



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

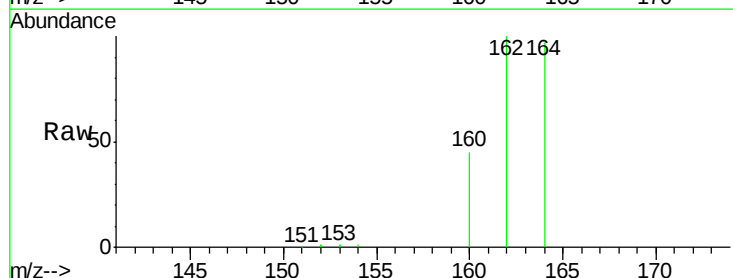
Tgt Ion:164 Resp: 22129

Ion Ratio Lower Upper

164 100

162 103.3 71.4 107.0

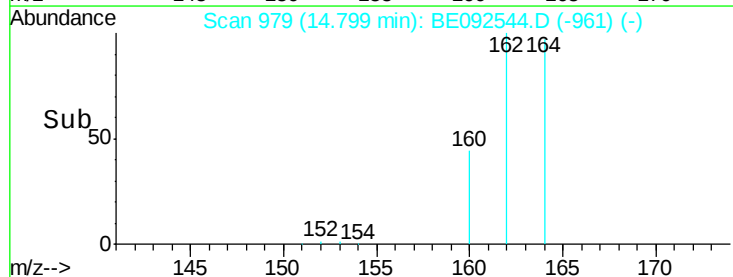
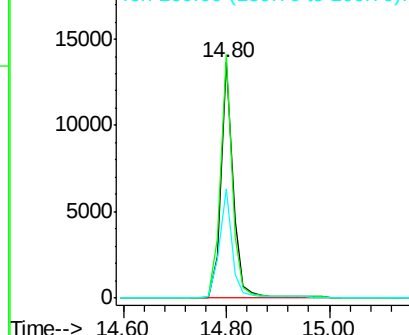
160 46.2 27.4 41.2#

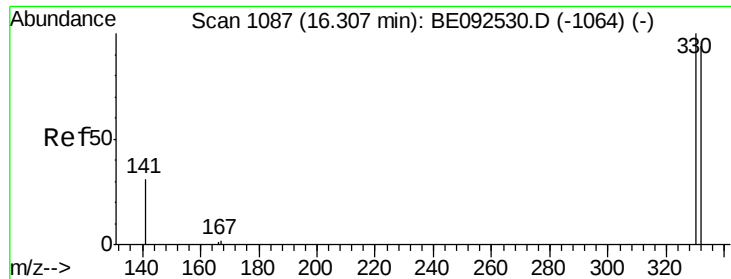


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

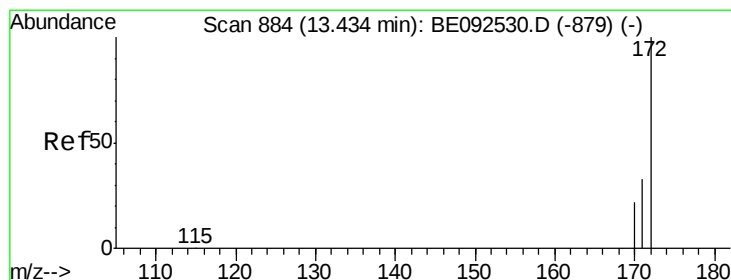
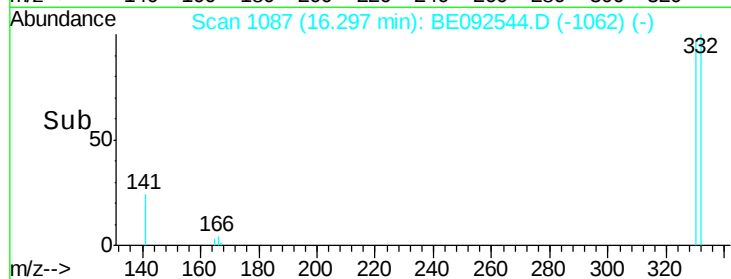
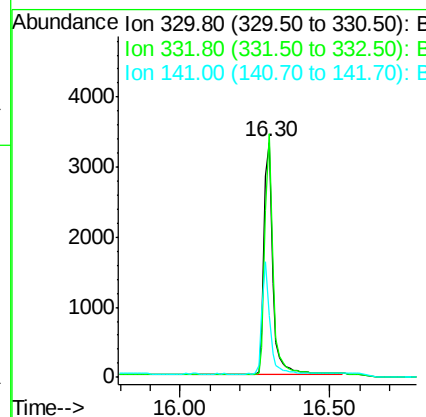
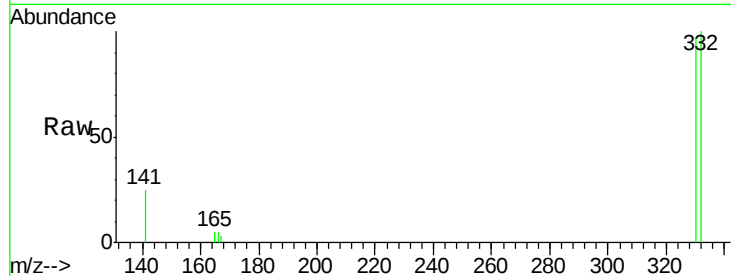




#13
 2,4,6-Tribromophenol
 Concen: 13.24 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092544.D
 Acq: 16 Nov 2016 21:35

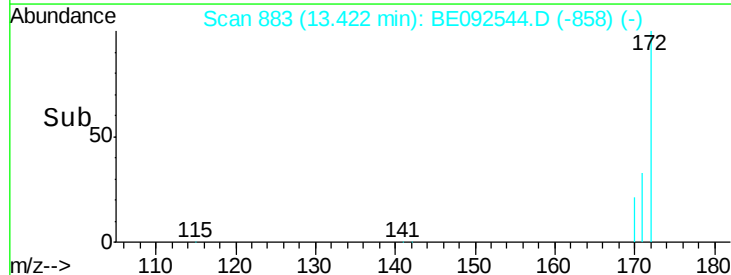
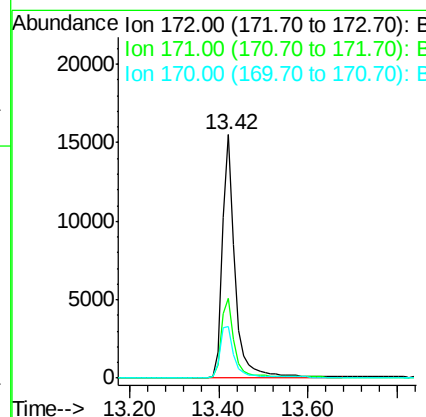
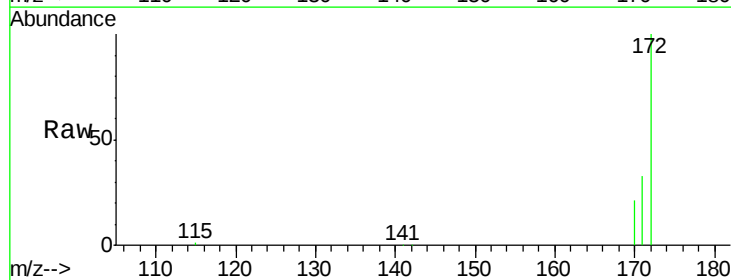
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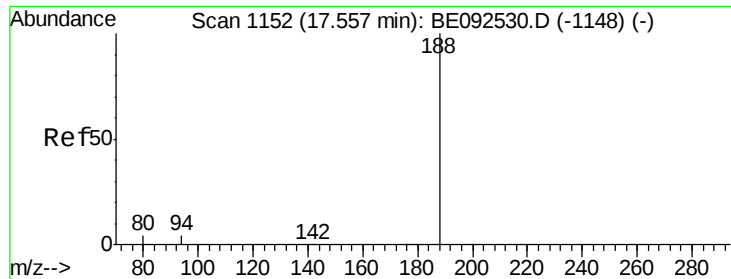
Tgt Ion: 330 Resp: 6572
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.4 113.0
 141 43.9 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.65 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092544.D
 Acq: 16 Nov 2016 21:35

Tgt Ion: 172 Resp: 30502
 Ion Ratio Lower Upper
 172 100
 171 32.8 30.1 45.1
 170 21.4 21.8 32.6#

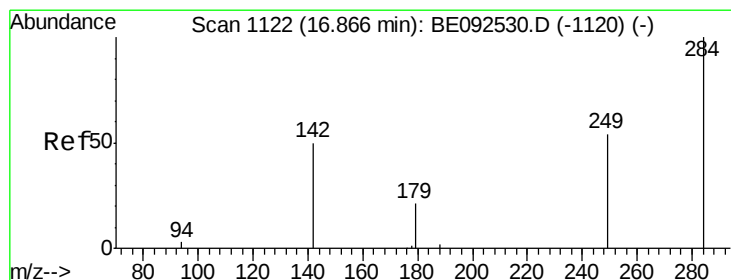
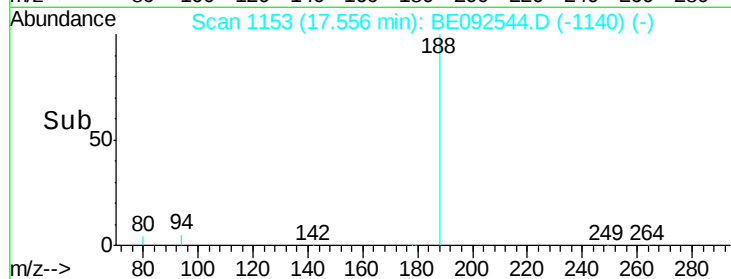
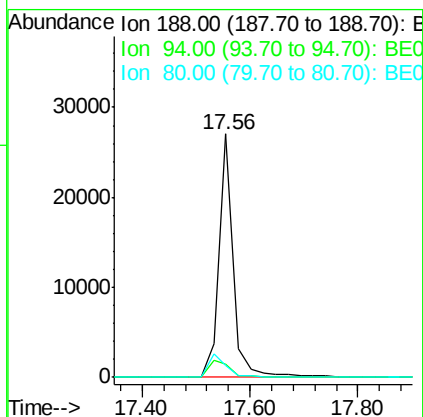
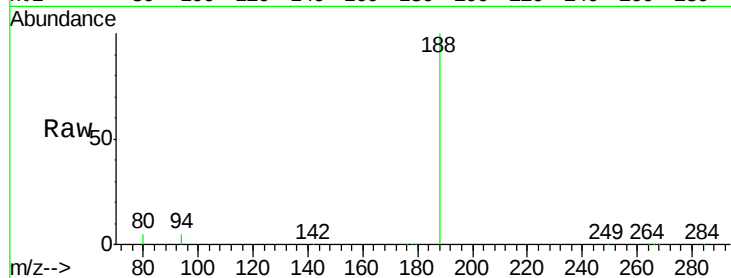




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092544.D
Acq: 16 Nov 2016 21:35

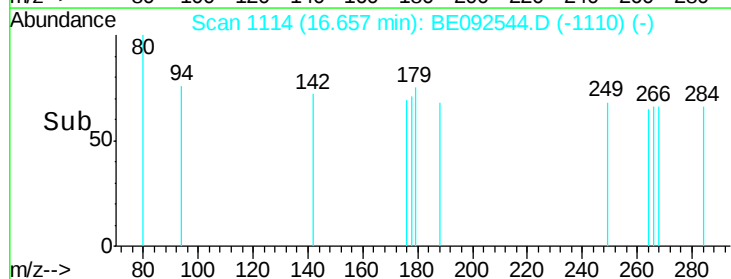
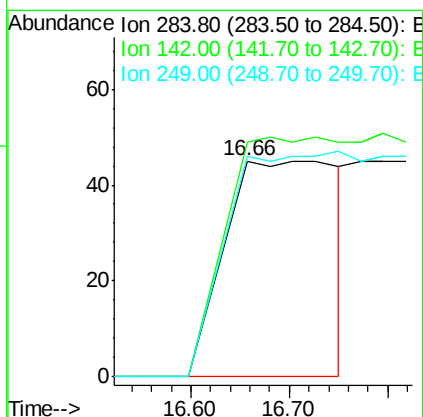
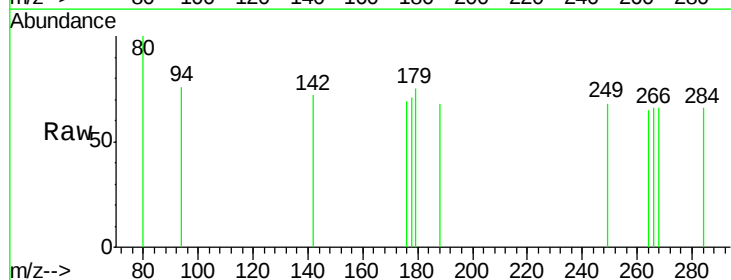
Instrument :
BNA_E
ClientSampleId :
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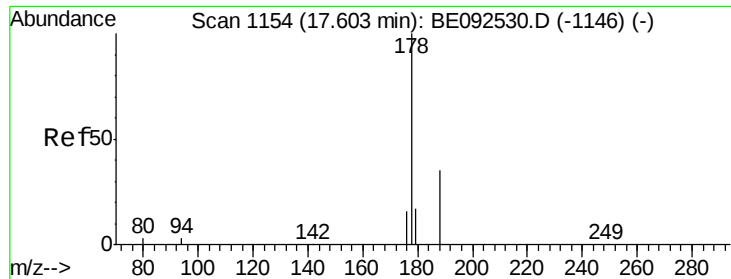
Tgt Ion:188 Resp: 49761
Ion Ratio Lower Upper
188 100
94 5.2 3.2 4.8#
80 4.7 2.6 3.8#



#19
Hexachlorobenzene
Concen: 0.21 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092544.D
Acq: 16 Nov 2016 21:35

Tgt Ion:284 Resp: 405
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#





#21

Phenanthrene

Concen: 0.03 ng

RT: 17.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

Instrument :

BNA_E

ClientSampleId :

CPS043044

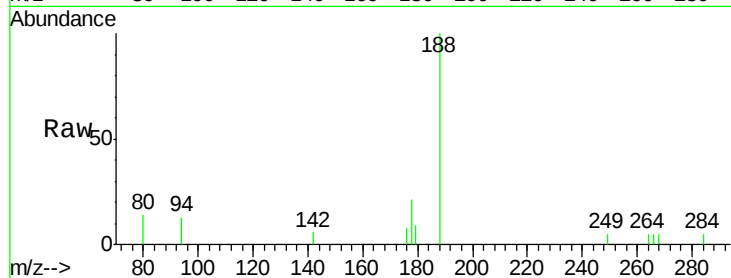
Tgt Ion:178 Resp: 381

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

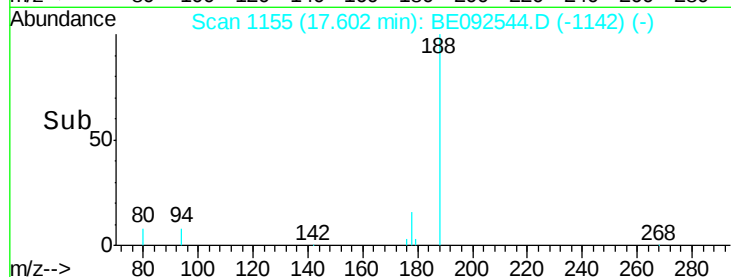
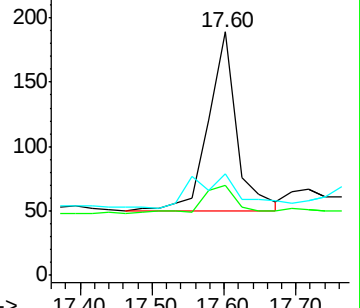
179 30.7 16.0 24.0#



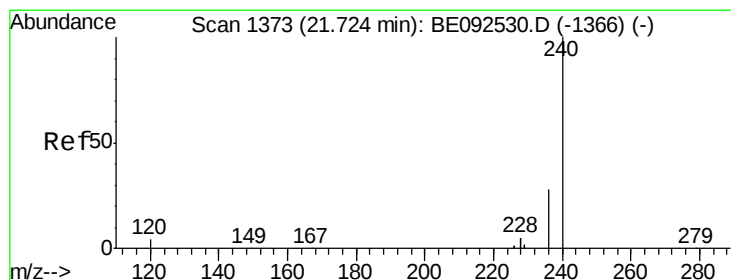
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

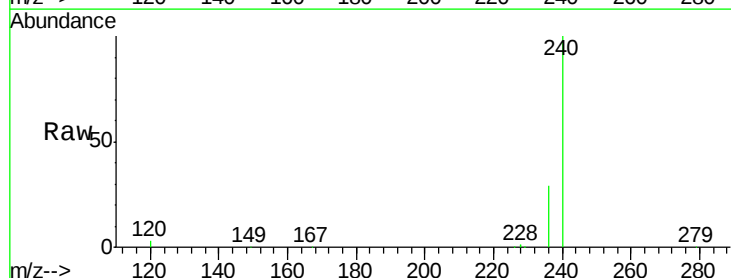
Tgt Ion:240 Resp: 75155

Ion Ratio Lower Upper

240 100

120 2.9 2.6 4.0

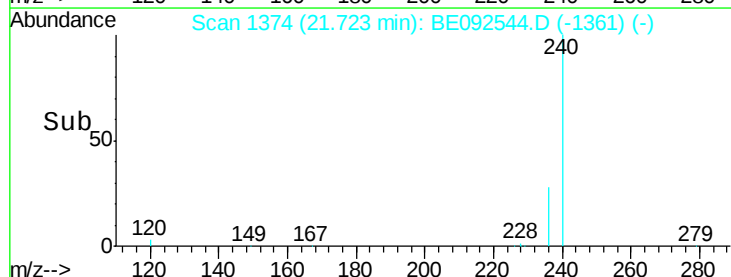
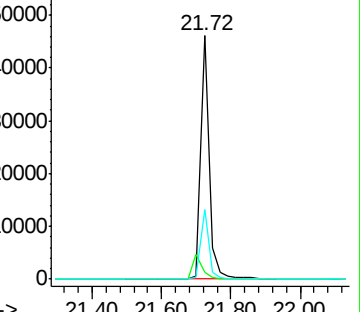
236 28.5 24.6 37.0



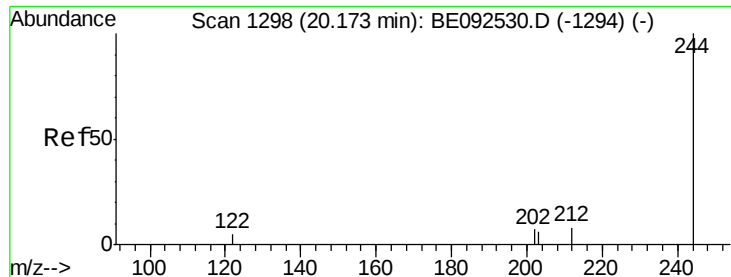
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



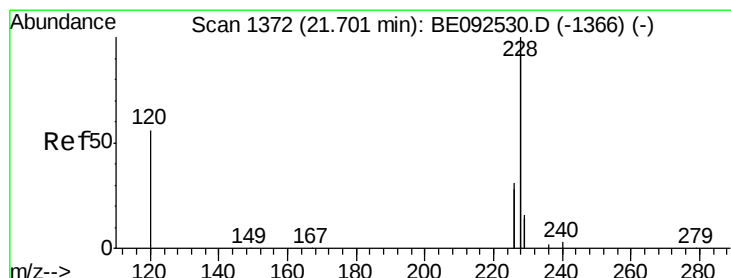
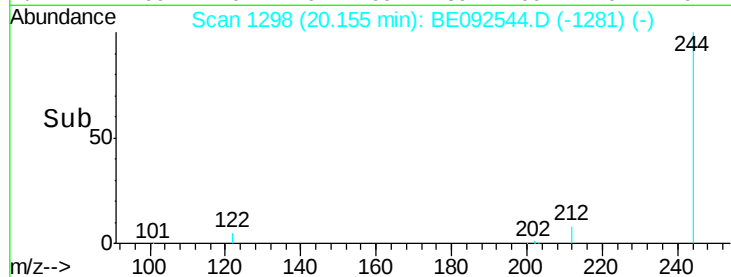
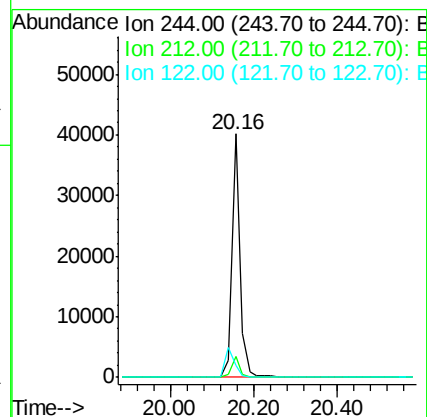
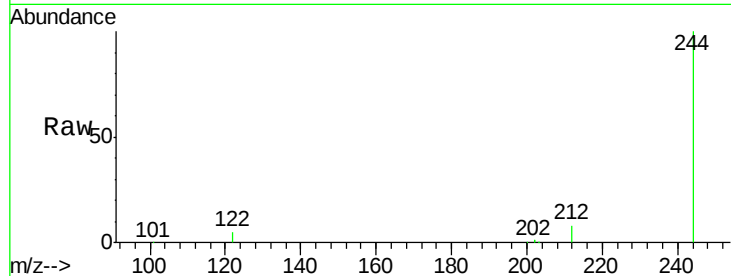
Time-->



#26
 Terphenyl-d14
 Concen: 6.21 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092544.D
 Acq: 16 Nov 2016 21:35

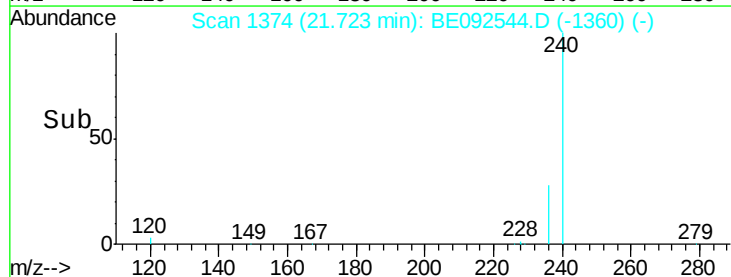
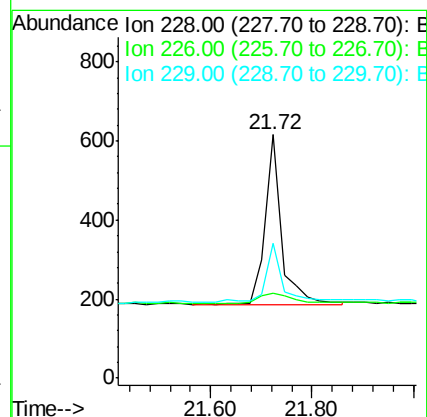
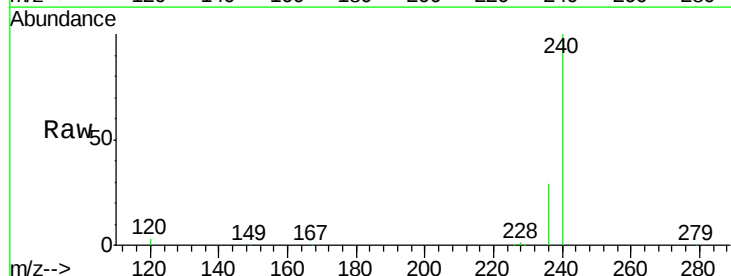
Instrument :
 BNA_E
 ClientSampled :
 CPS043044

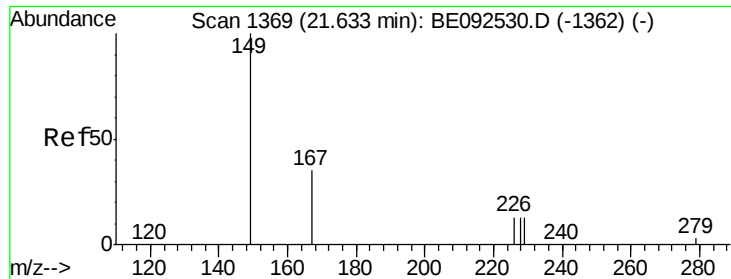
Tgt Ion: 244 Resp: 53367
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.7 10.1
 122 4.9 3.6 5.4



#27
 Benzo(a)anthracene
 Concen: 0.11 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.02 min
 Lab File: BE092544.D
 Acq: 16 Nov 2016 21:35

Tgt Ion: 228 Resp: 970
 Ion Ratio Lower Upper
 228 100
 226 34.7 23.6 35.4
 229 55.5 13.3 19.9#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.53 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

Instrument :

BNA_E

ClientSampleId :

CPS043044

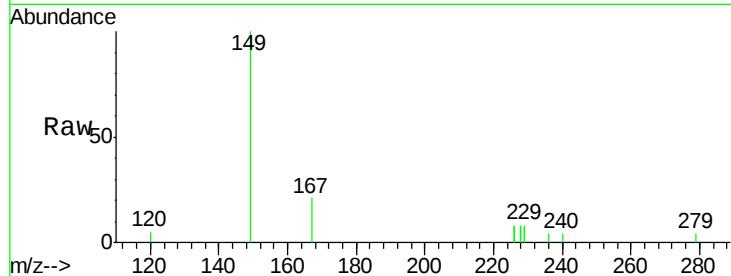
Tgt Ion:149 Resp: 2024

Ion Ratio Lower Upper

149 100

167 23.1 16.0 24.0

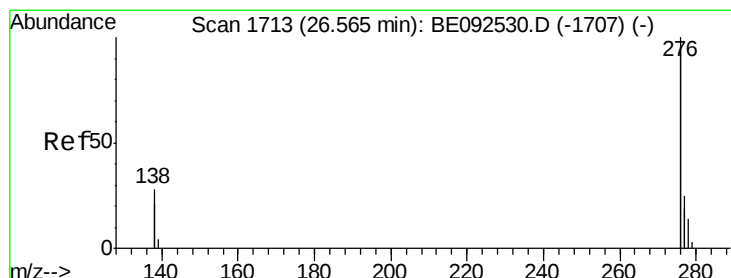
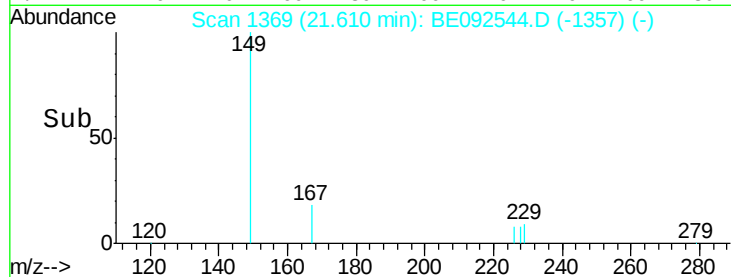
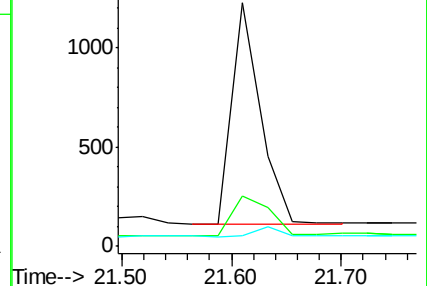
279 0.0 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.63 min Scan# 1718

Delta R.T. 0.07 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

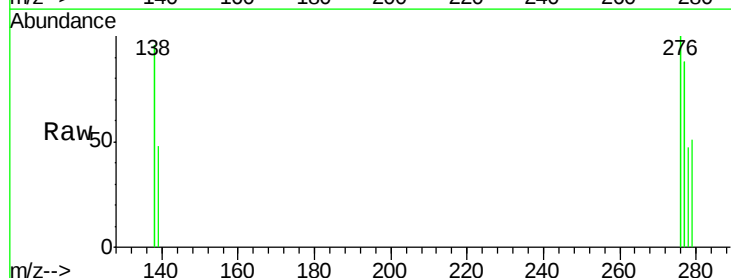
Tgt Ion:276 Resp: 323

Ion Ratio Lower Upper

276 100

138 0.0 20.3 30.5#

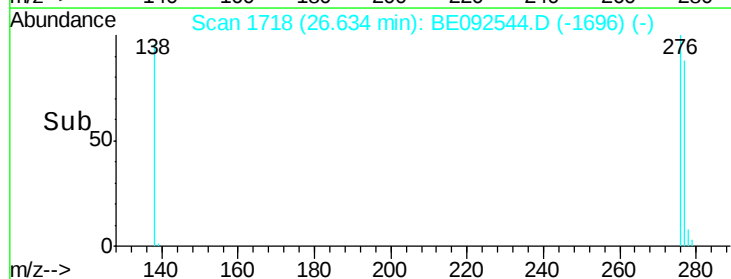
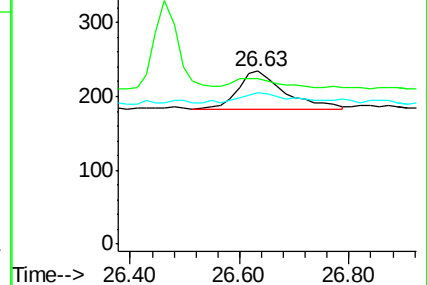
277 25.1 19.7 29.5

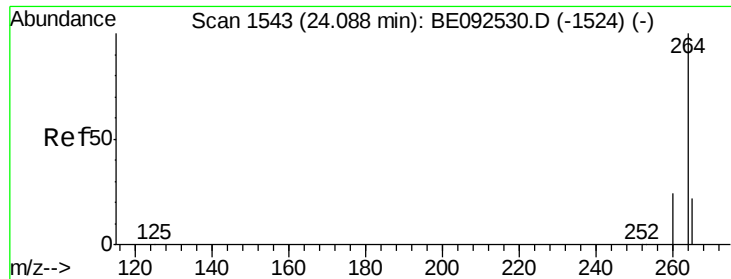


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092544.D

Acq: 16 Nov 2016 21:35

Instrument :

BNA_E

ClientSampleId :

CPS043044

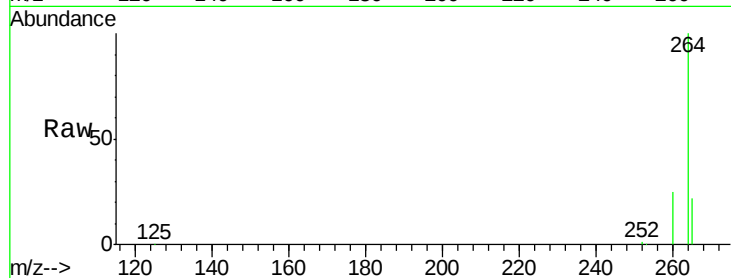
Tgt Ion: 264 Resp: 68181

Ion Ratio Lower Upper

264 100

260 25.3 20.1 30.1

265 21.7 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

