

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051016\
 Data File : BE091762.D
 Acq On : 10 May 2016 18:41
 Operator : UM/SJ
 Sample : H2912-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-002

Quant Time: May 11 01:18:20 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

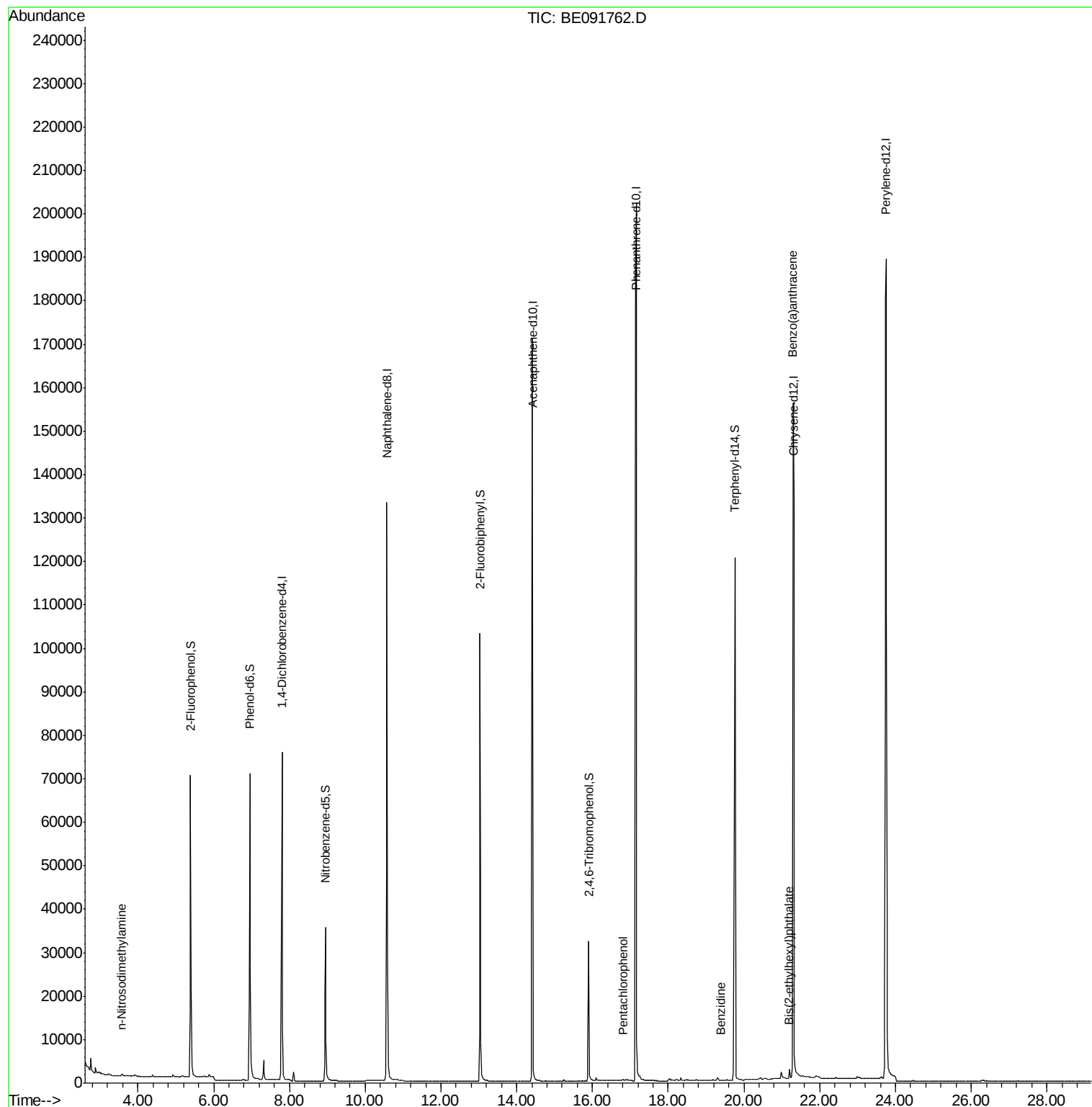
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	41140	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	197250	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	121272	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	296122	5.00	ng	0.00
26) Chrysene-d12	21.31	240	294107	5.00	ng	0.00
35) Perylene-d12	23.75	264	308058	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	54844	5.43	ng	0.00
5) Phenol-d6	6.95	99	79835	5.96	ng	0.00
8) Nitrobenzene-d5	8.95	82	36088	2.83	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	26630	5.94	ng	0.00
15) 2-Fluorobiphenyl	13.04	172	107998	3.15	ng	0.00
29) Terphenyl-d14	19.76	244	170771	3.72	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.57	42	243	0.03	ng	Qvalue # 1
22) Pentachlorophenol	16.81	266	375	0.16	ng	96
27) Benzidine	19.40	184	497	0.18	ng	# 14
30) Benzo(a)anthracene	21.29	228	1478	0.02	ng	# 84
33) Bis(2-ethylhexyl)phthalate	21.20	149	2503	0.12	ng	# 85

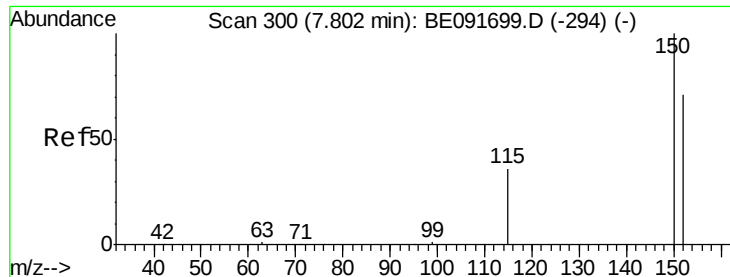
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091762.D

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ClientSampleId :

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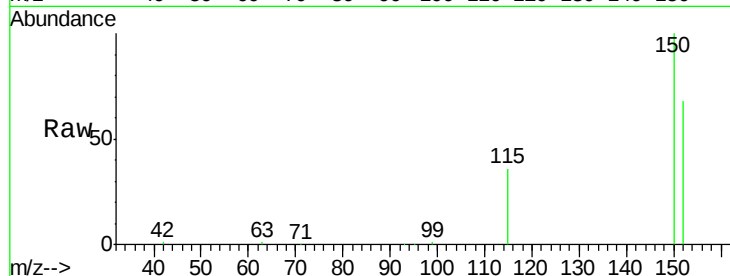
Tgt Ion:152 Resp: 41140

Ion Ratio Lower Upper

152 100

150 147.2 122.6 183.8

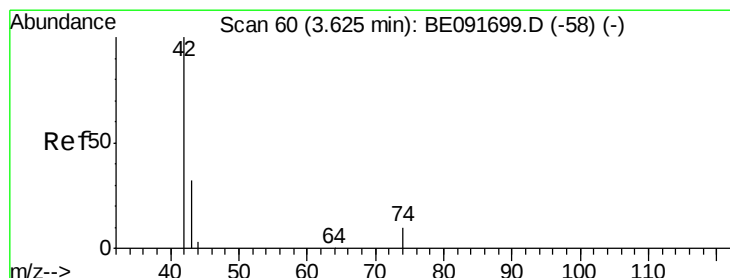
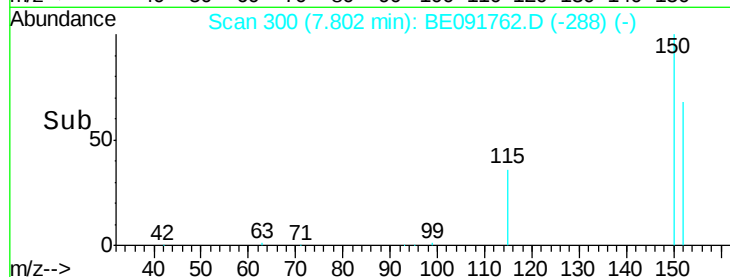
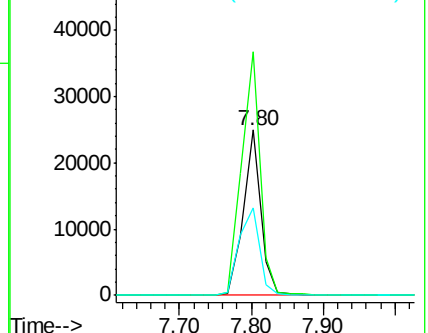
115 52.7 52.8 79.2#



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: 0.03 ng

RT: 3.57 min Scan# 57

Delta R.T. -0.05 min

Lab File: BE091762.D

Acq: 10 May 2016 18:41

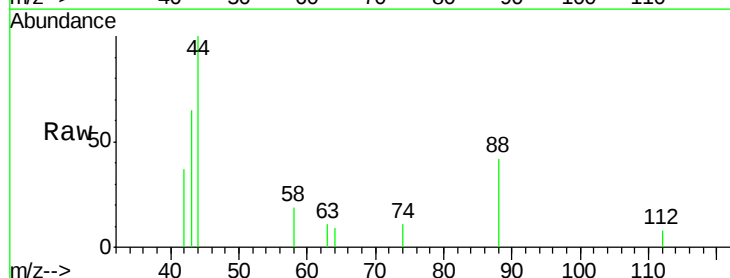
Tgt Ion: 42 Resp: 243

Ion Ratio Lower Upper

42 100

74 2.5 87.9 131.9#

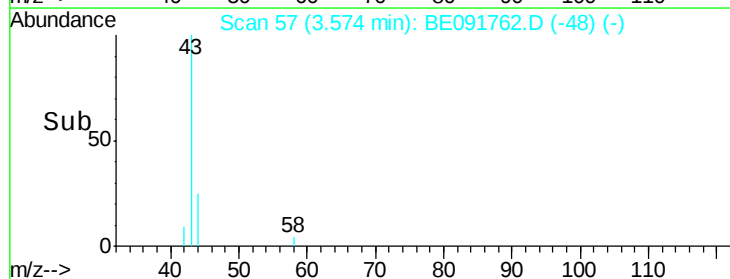
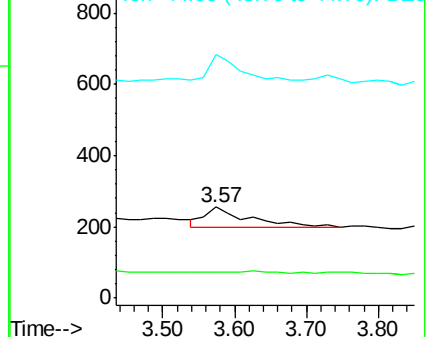
44 116.0 6.6 9.8#

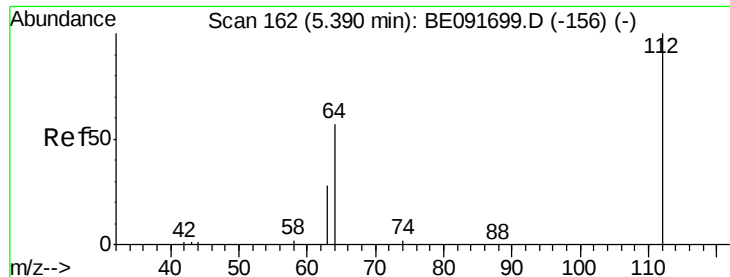


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.43 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091762.D

Acq: 10 May 2016 18:41

Instrument :

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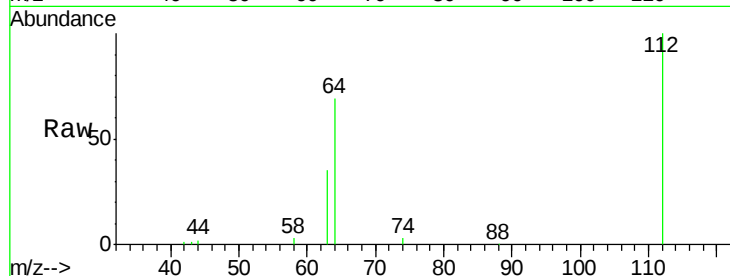
Tgt Ion: 112 Resp: 54844

Ion Ratio Lower Upper

112 100

64 66.7 30.9 46.3#

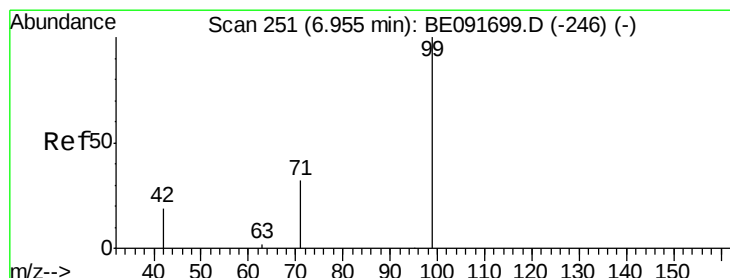
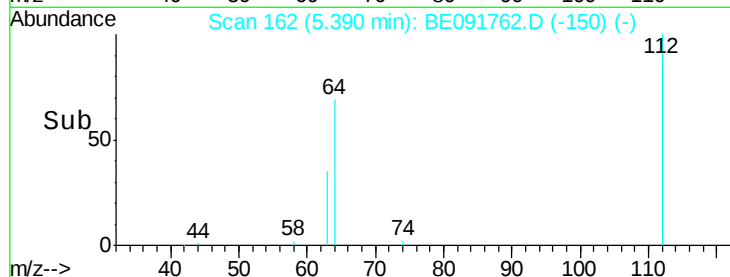
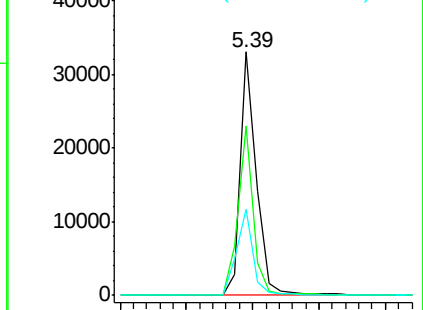
63 35.9 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE091699.D (-156) (-)

Ion 64.00 (63.70 to 64.70): BE091699.D (-156) (-)

Ion 63.00 (62.70 to 63.70): BE091699.D (-156) (-)



#5

Phenol-d6

Concen: 5.96 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091762.D

Acq: 10 May 2016 18:41

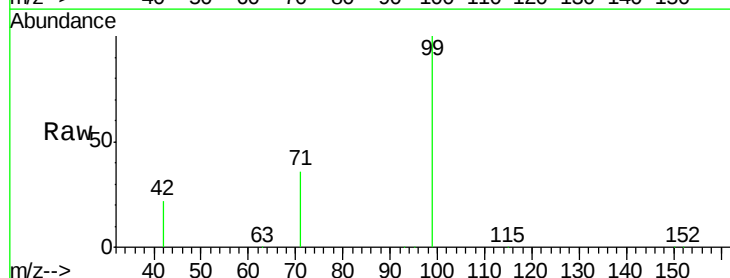
Tgt Ion: 99 Resp: 79835

Ion Ratio Lower Upper

99 100

42 24.2 16.2 24.2#

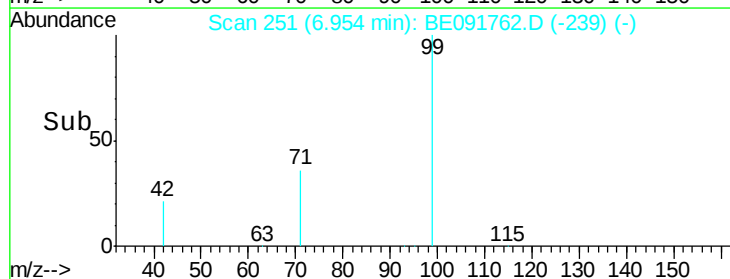
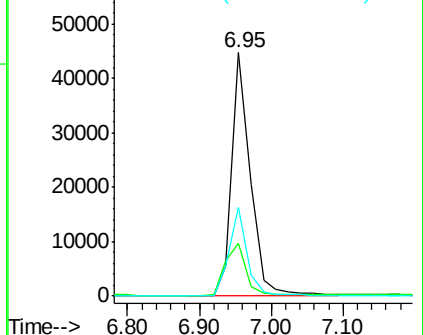
71 35.3 29.0 43.4

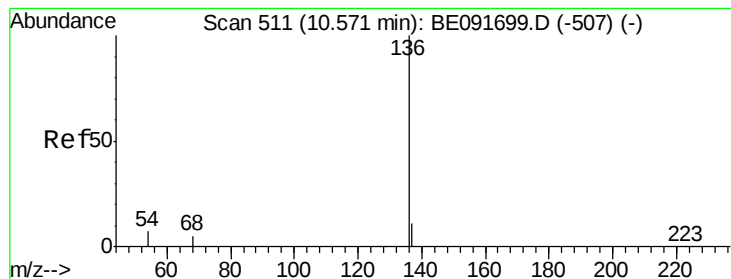


Abundance Ion 99.00 (98.70 to 99.70): BE091699.D (-246) (-)

Ion 42.00 (41.70 to 42.70): BE091699.D (-246) (-)

Ion 71.00 (70.70 to 71.70): BE091699.D (-246) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091762.D

Acq: 10 May 2016 18:41

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-002

Tgt Ion: 136 Resp: 197250

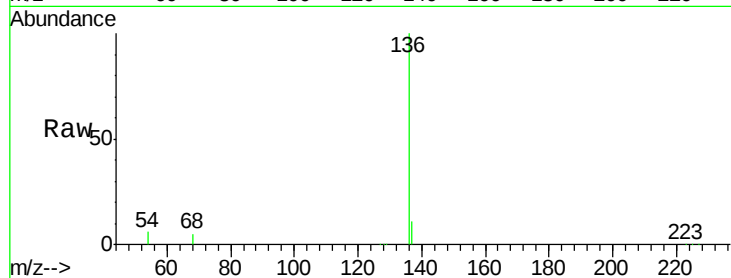
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.3 8.2 12.4#

68 4.8 6.2 9.4#

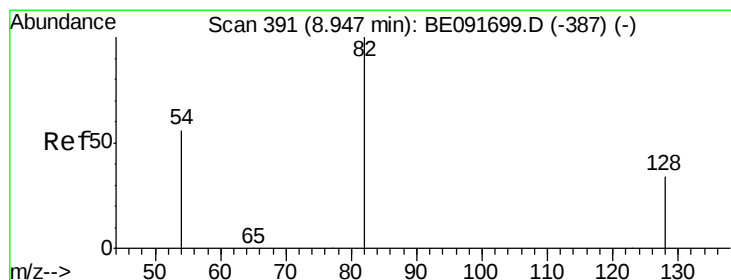
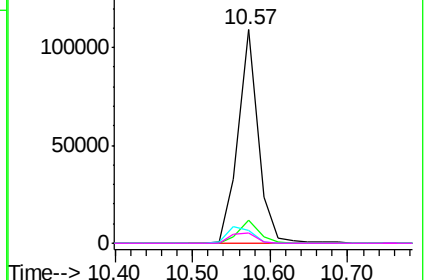
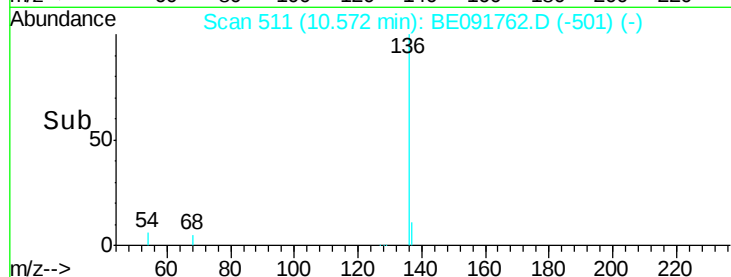


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.83 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091762.D

Acq: 10 May 2016 18:41

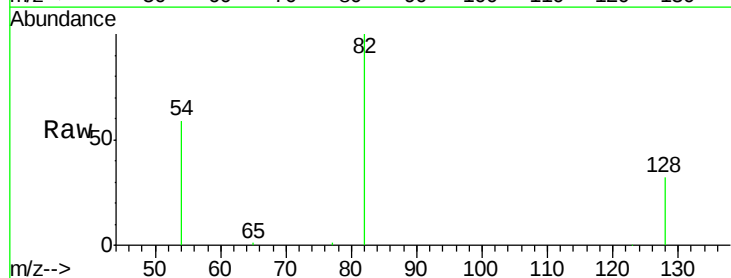
Tgt Ion: 82 Resp: 36088

Ion Ratio Lower Upper

82 100

128 31.7 25.4 38.0

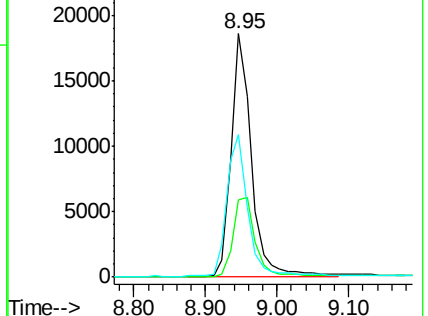
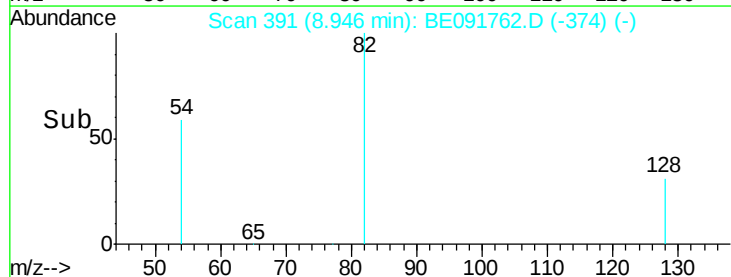
54 58.8 48.4 72.6

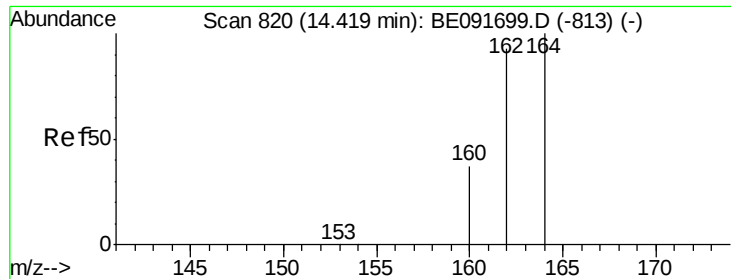


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

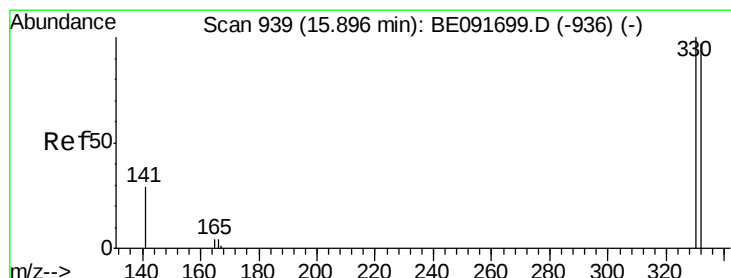
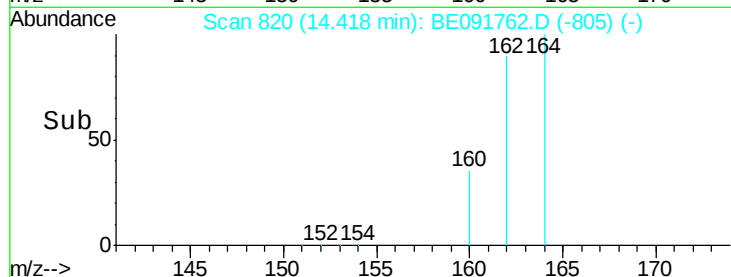
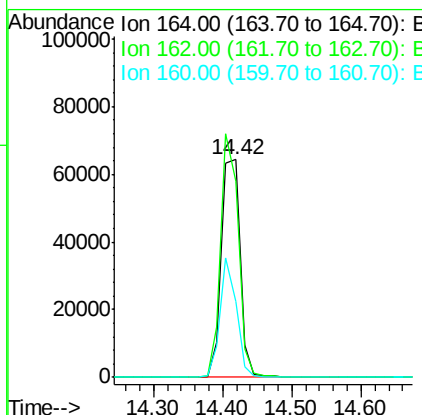
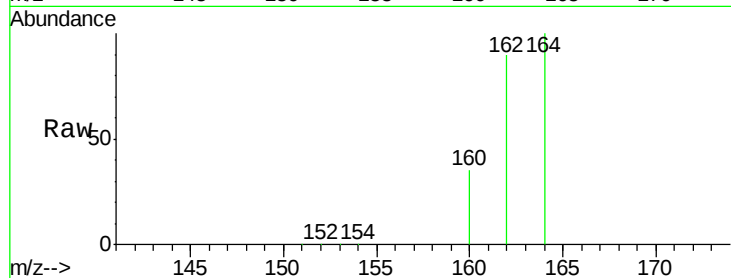




#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.42 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BE091762.D
 Acq: 10 May 2016 18:41

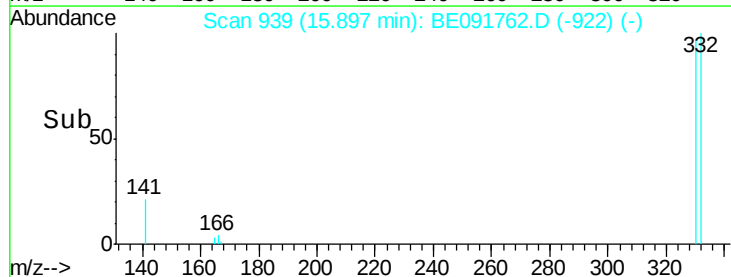
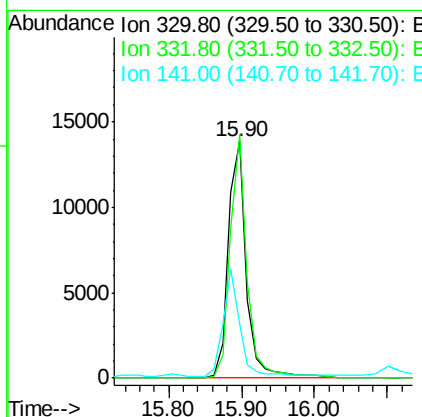
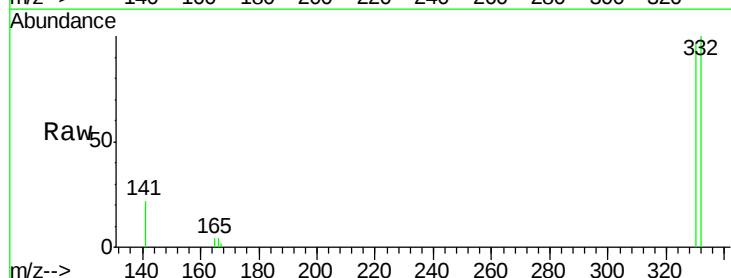
Instrument :
 BNA_E
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 CEDAR-HILL-TF-PS-002

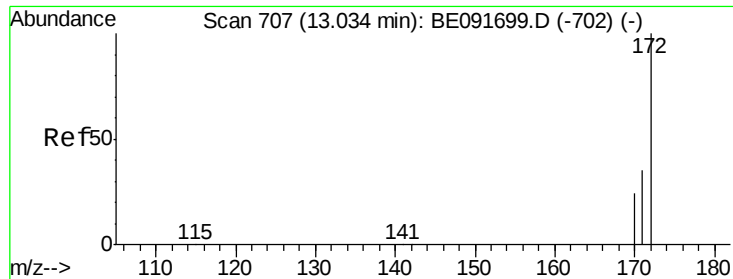
Tgt Ion:164 Resp: 121272
 Ion Ratio Lower Upper
 164 100
 162 90.1 85.3 127.9
 160 35.0 46.2 69.2#



#14
 2,4,6-Tribromophenol
 Concen: 5.94 ng
 RT: 15.90 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: BE091762.D
 Acq: 10 May 2016 18:41

Tgt Ion:330 Resp: 26630
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.1 118.7
 141 42.3 125.4 188.0#

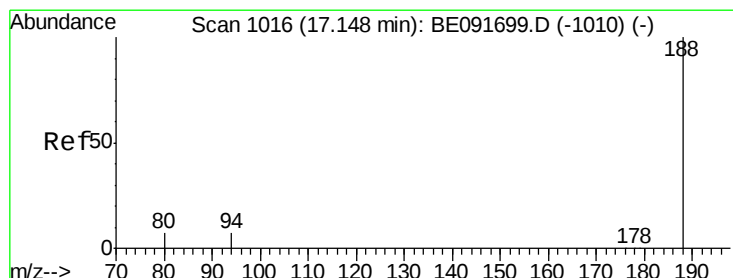
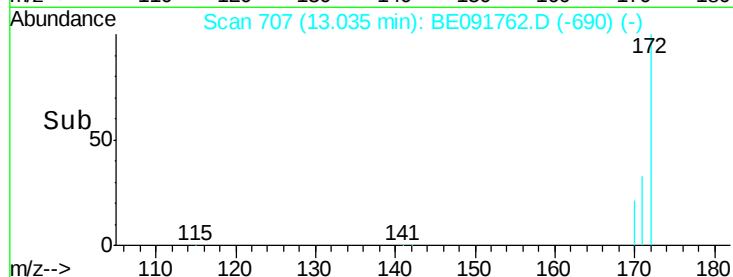
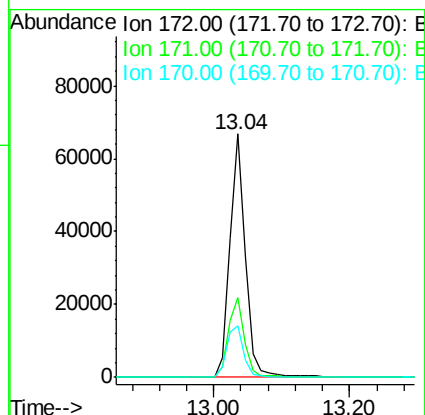
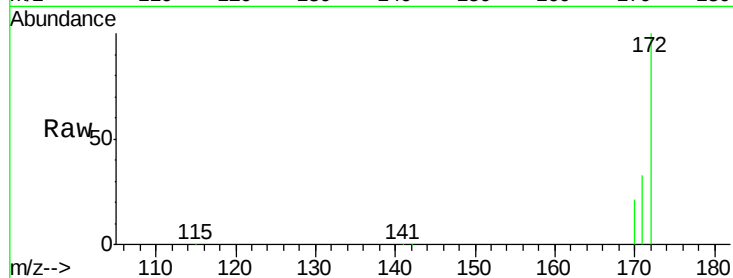




#15
2-Fluorobiphenyl
Concen: 3.15 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091762.D
Acq: 10 May 2016 18:41

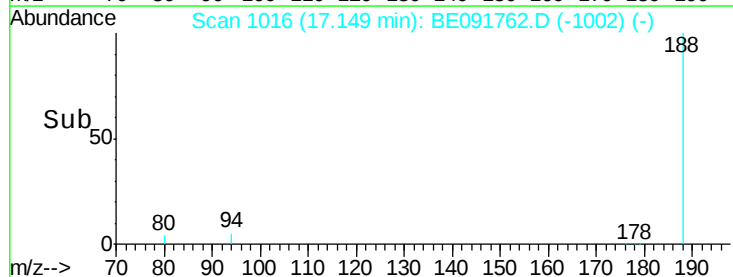
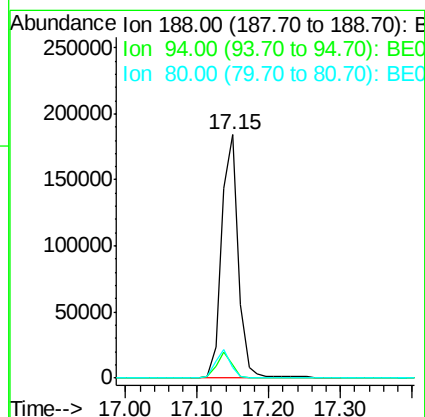
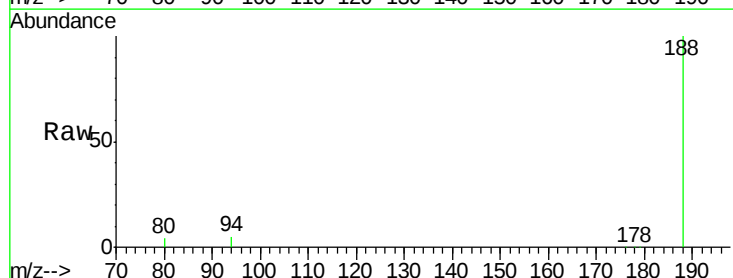
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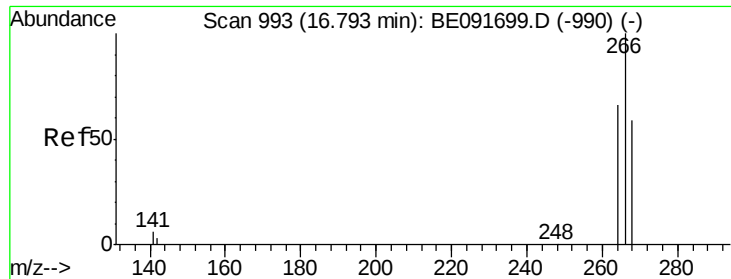
Tgt Ion:172 Resp: 107998
Ion Ratio Lower Upper
172 100
171 33.0 28.8 43.2
170 21.4 19.3 28.9



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BE091762.D
Acq: 10 May 2016 18:41

Tgt Ion:188 Resp: 296122
Ion Ratio Lower Upper
188 100
94 5.2 8.7 13.1#
80 4.4 9.4 14.0#

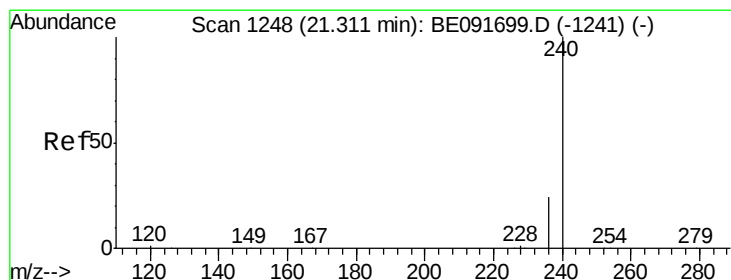
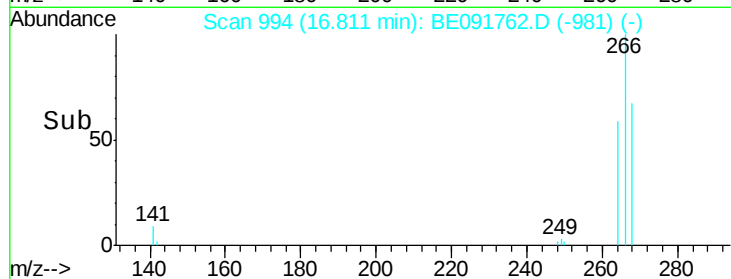
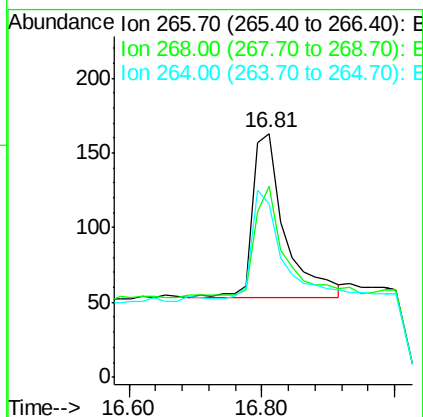
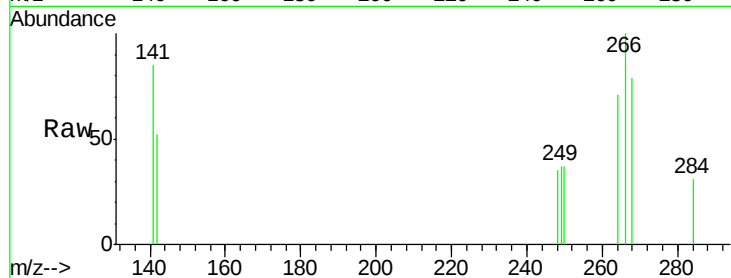




#22
 Pentachlorophenol
 Concen: 0.16 ng
 RT: 16.81 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: BE091762.D
 Acq: 10 May 2016 18:41

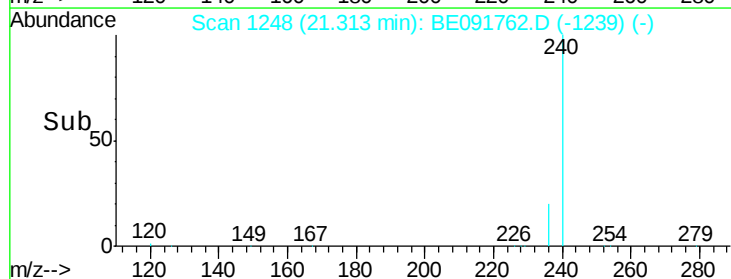
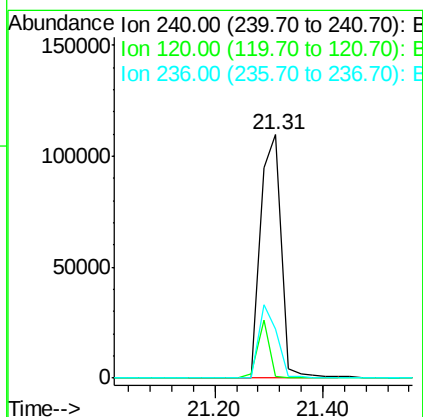
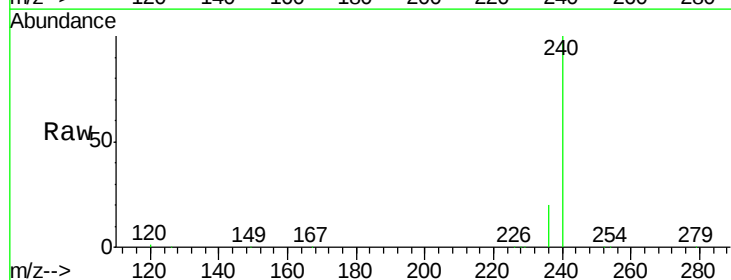
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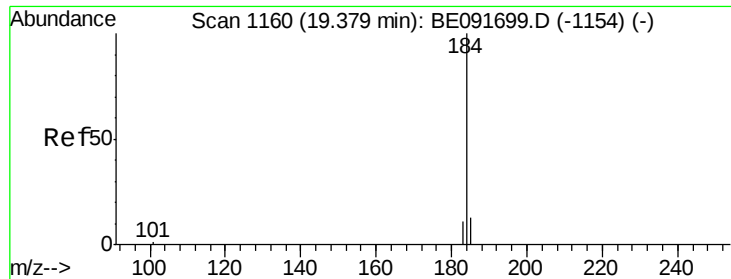
Tgt Ion: 266 Resp: 375
 Ion Ratio Lower Upper
 266 100
 268 78.5 58.2 87.2
 264 71.2 56.2 84.4



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.31 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: BE091762.D
 Acq: 10 May 2016 18:41

Tgt Ion: 240 Resp: 294107
 Ion Ratio Lower Upper
 240 100
 120 0.9 11.0 16.4#
 236 20.1 21.7 32.5#





#27

Benzidine

Concen: 0.18 ng

RT: 19.40 min Scan# 1161

Delta R.T. 0.02 min

Lab File: BE091762.D

Acq: 10 May 2016 18:41

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-002

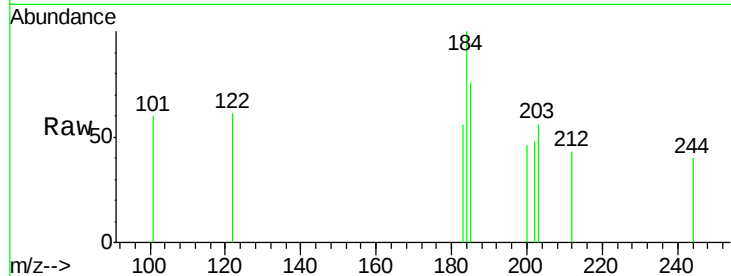
Tgt Ion:184 Resp: 497

Ion Ratio Lower Upper

184 100

185 76.2 22.3 33.5#

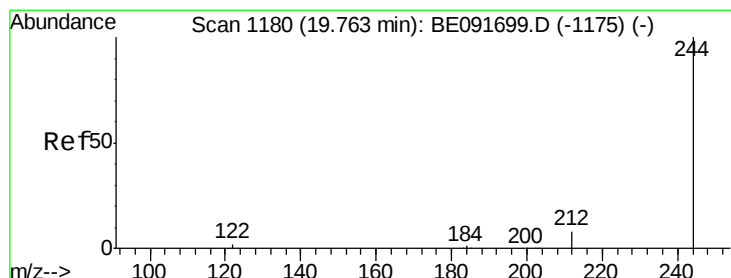
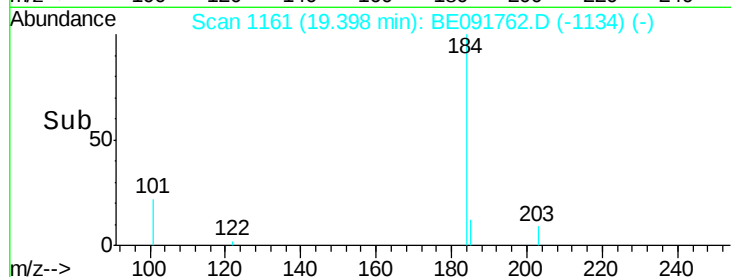
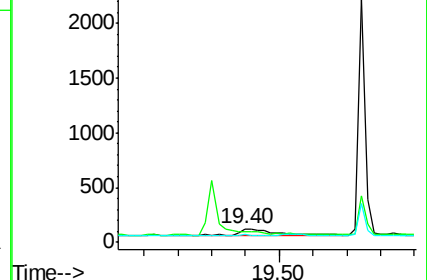
183 56.3 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#29

Terphenyl-d14

Concen: 3.72 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091762.D

Acq: 10 May 2016 18:41

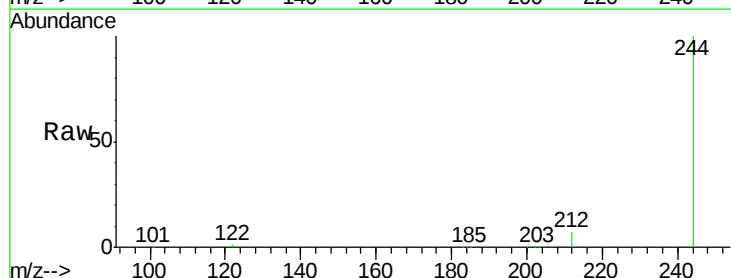
Tgt Ion:244 Resp: 170771

Ion Ratio Lower Upper

244 100

212 6.9 6.9 10.3

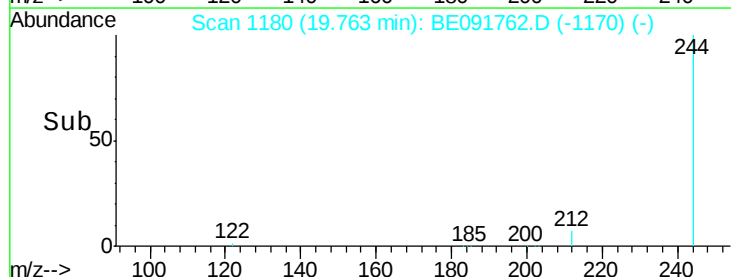
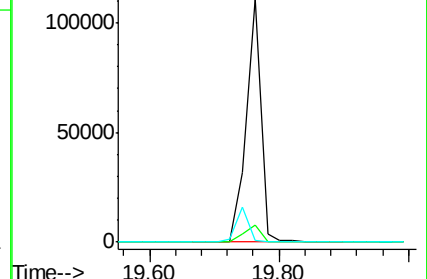
122 0.9 11.0 16.4#

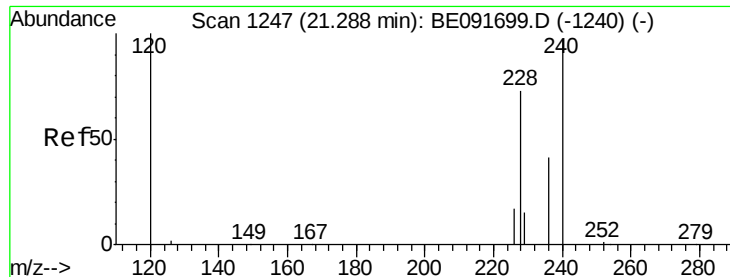


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091762.D

Acq: 10 May 2016 18:41

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-002

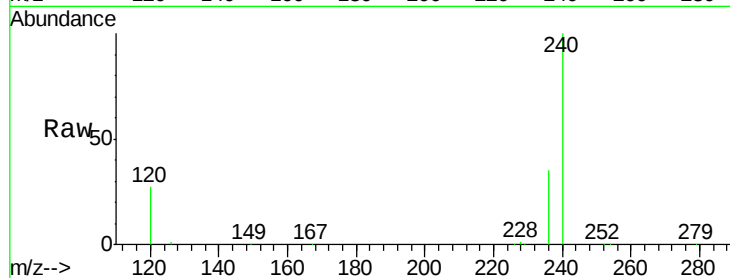
Tgt Ion:228 Resp: 1478

Ion Ratio Lower Upper

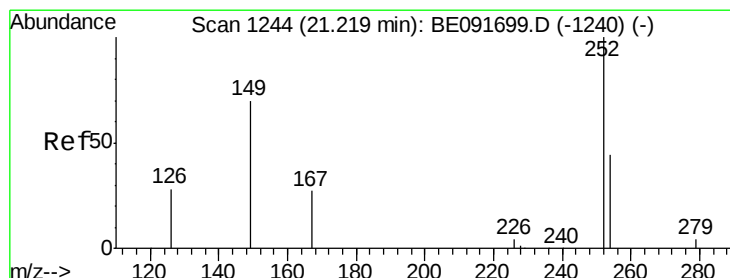
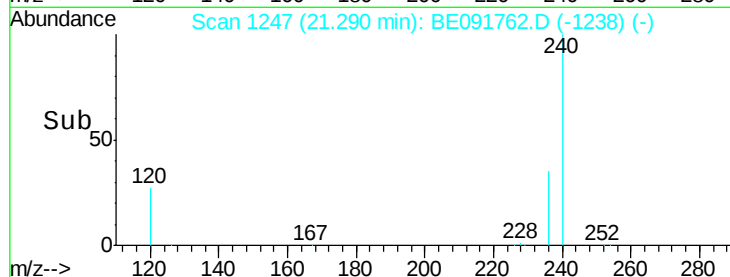
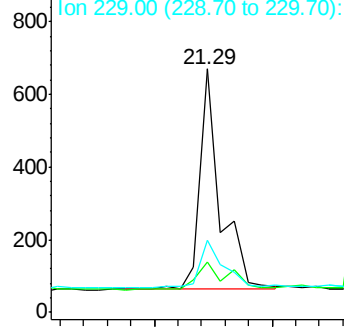
228 100

226 20.9 21.0 31.4#

229 29.9 15.7 23.5#



Abundance Ion 228.00 (227.70 to 228.70): E



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.12 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091762.D

Acq: 10 May 2016 18:41

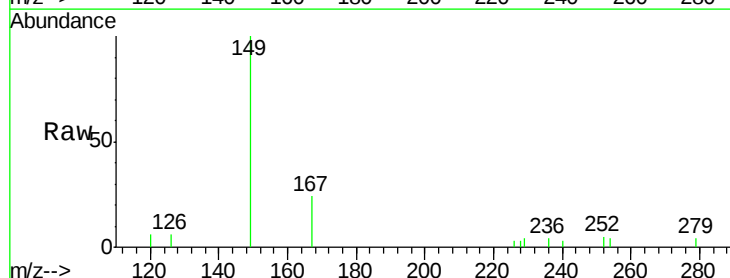
Tgt Ion:149 Resp: 2503

Ion Ratio Lower Upper

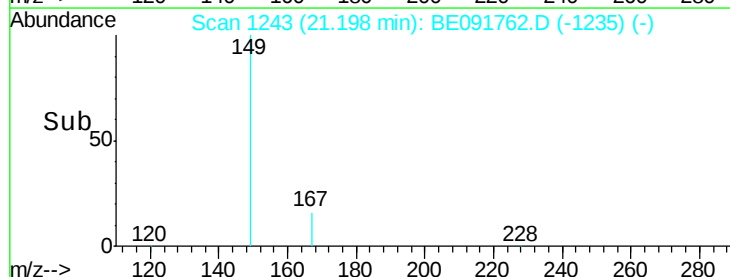
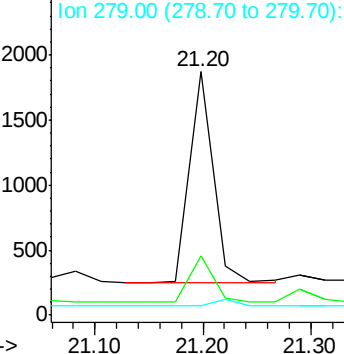
149 100

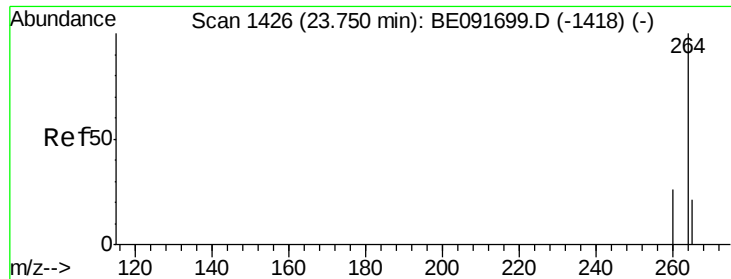
167 21.4 19.5 29.3

279 0.0 10.0 15.0#



Abundance Ion 149.00 (148.70 to 149.70): E





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.75 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE091762.D

Acq: 10 May 2016 18:41

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-002

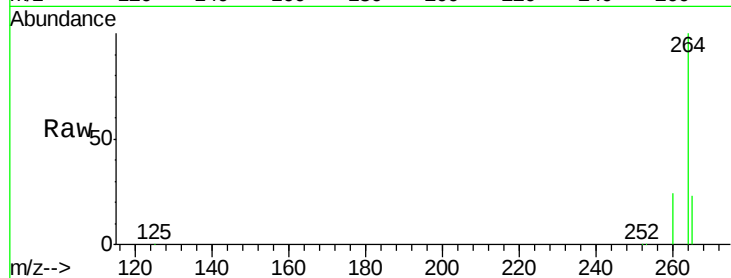
Tgt Ion: 264 Resp: 308058

Ion Ratio Lower Upper

264 100

260 23.5 20.0 30.0

265 22.6 17.5 26.3



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

