

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042716\
 Data File : BE091725.D
 Acq On : 27 Apr 2016 14:25
 Operator : UM/SJ
 Sample : H2661-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-001

Quant Time: Apr 28 03:12:21 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

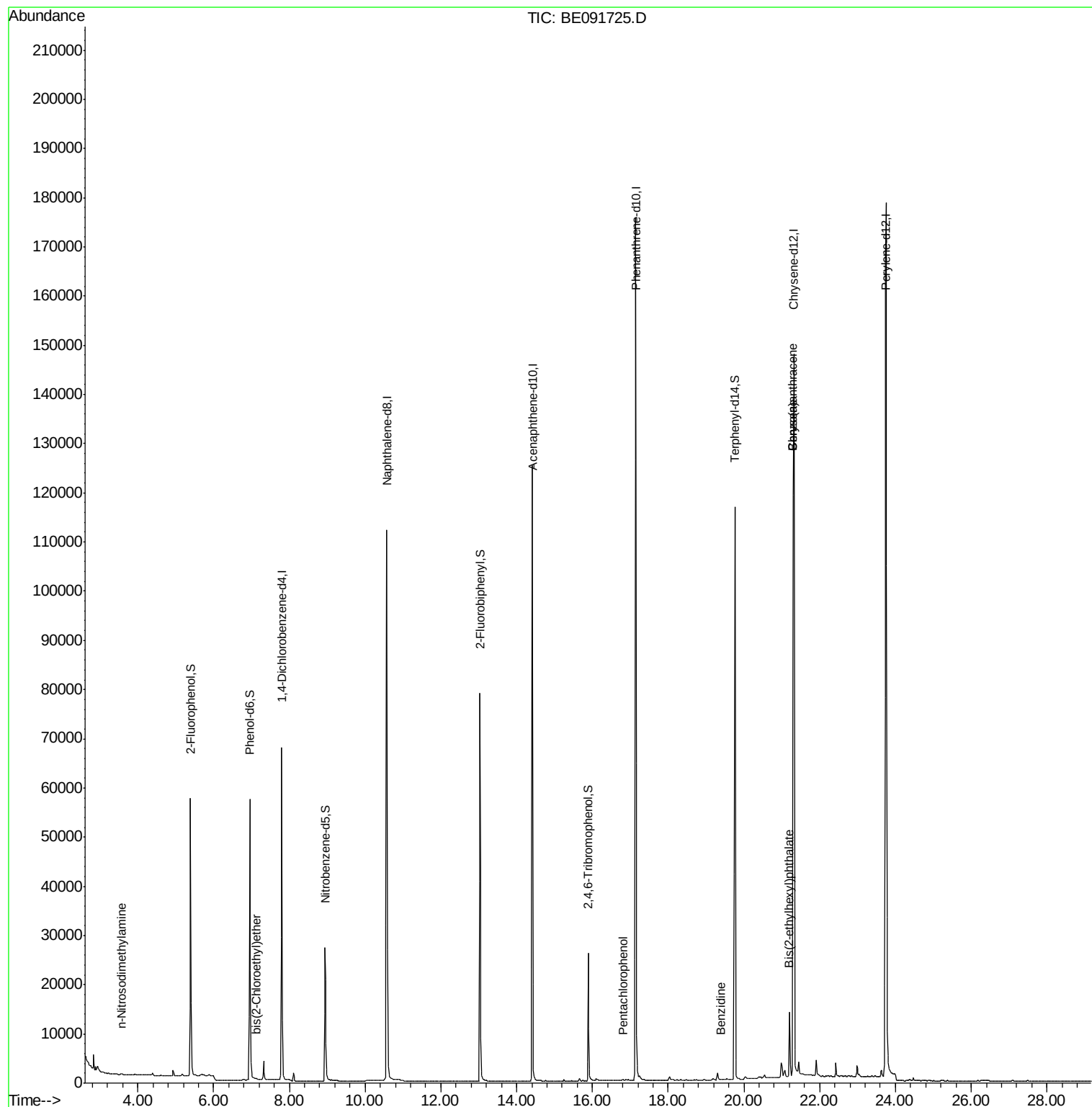
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	35217	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	159341	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	92347	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	233134	5.00	ng	0.00
26) Chrysene-d12	21.31	240	268321	5.00	ng	0.00
35) Perylene-d12	23.75	264	285051	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	43415	5.02	ng	0.00
5) Phenol-d6	6.95	99	63590	5.54	ng	0.00
8) Nitrobenzene-d5	8.95	82	27446	2.67	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	19949	5.85	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	80598	3.09	ng	0.00
29) Terphenyl-d14	19.76	244	152923	3.65	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.57	42	212	0.03	ng	# 1
6) bis(2-Chloroethyl)ether	7.13	93	213	0.02	ng	# 28
22) Pentachlorophenol	16.81	266	154	0.13	ng	# 89
27) Benzidine	19.40	184	232	0.17	ng	# 1
30) Benzo(a)anthracene	21.29	228	1476	0.02	ng	# 85
32) Chrysene	21.29	228	1491	0.02	ng	# 82
33) Bis(2-ethylhexyl)phthalate	21.20	149	16969	0.85	ng	# 87

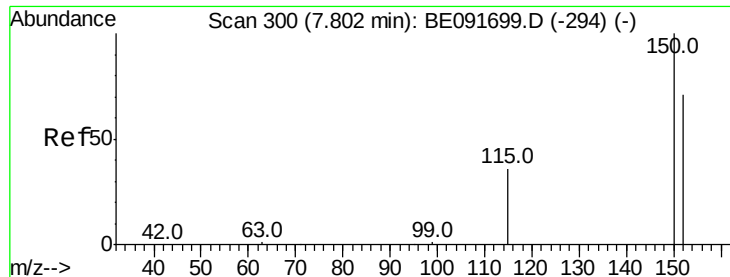
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091725.D

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Instrument :

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ClientSampleId :

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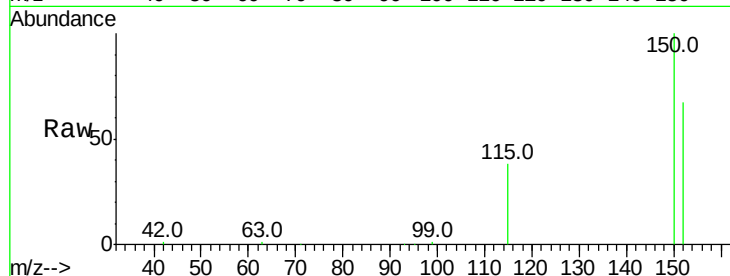
Tot Ion:152 Resp: 35217

Ion Ratio Lower Upper

152 100

150 150.0 122.6 183.8

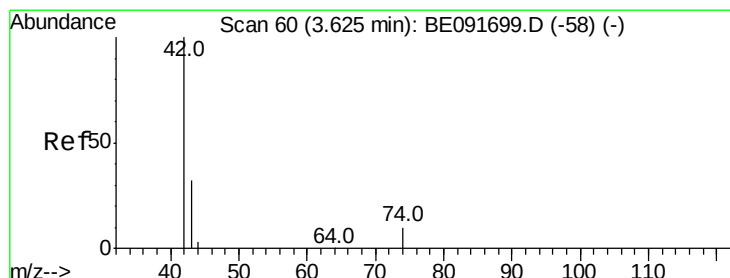
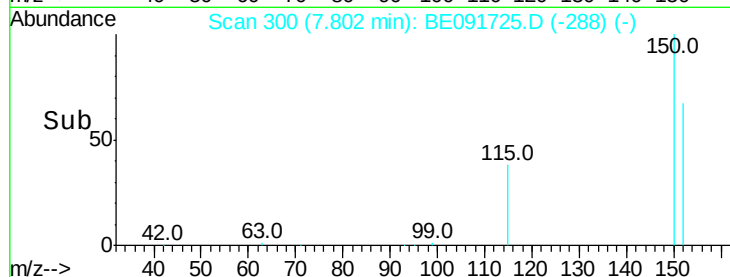
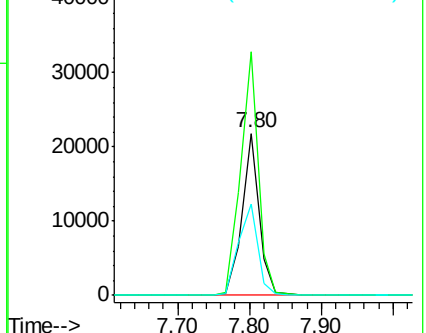
115 56.6 52.8 79.2



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: BE091725.D

Acq: 27 Apr 2016 14:25

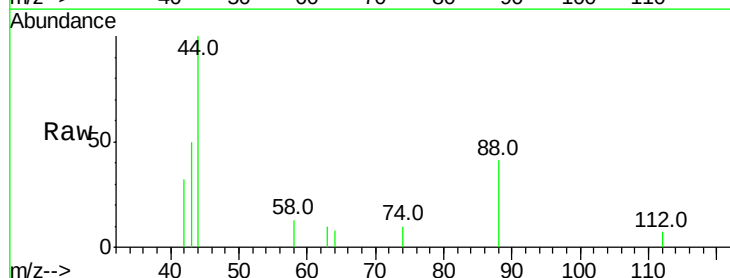
Tgt Ion: 42 Resp: 212

Ion Ratio Lower Upper

42 100

74 1.4 87.9 131.9#

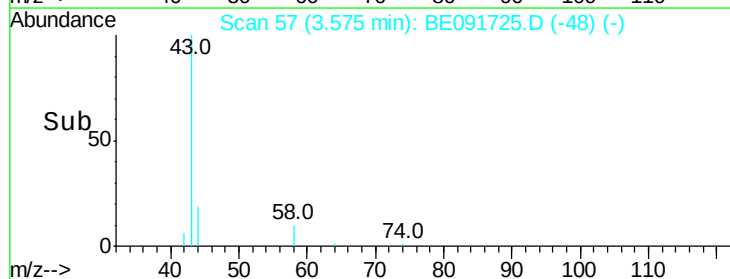
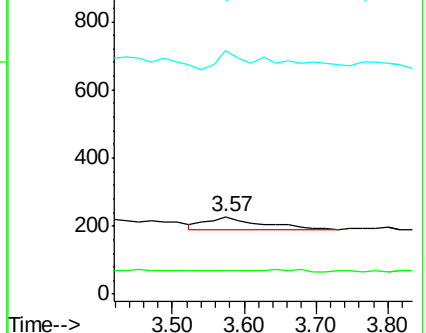
44 58.5 6.6 9.8#

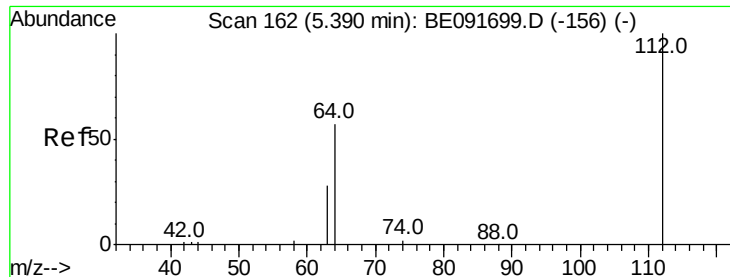


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.02 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091725.D

Acq: 27 Apr 2016 14:25

Instrument :

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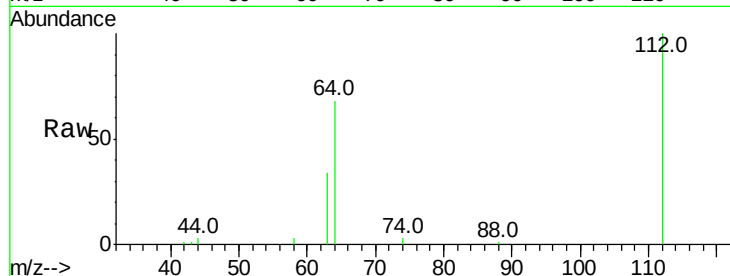
Tot Ion:112 Resp: 43415

Ion Ratio Lower Upper

112 100

64 67.3 30.9 46.3#

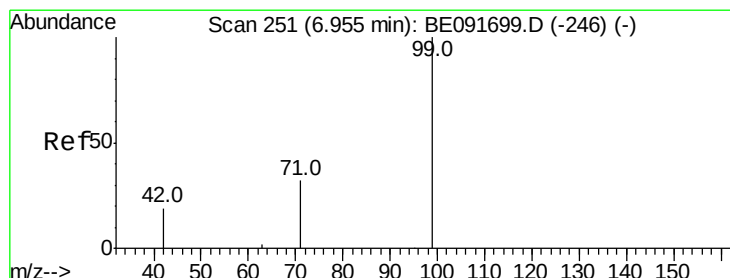
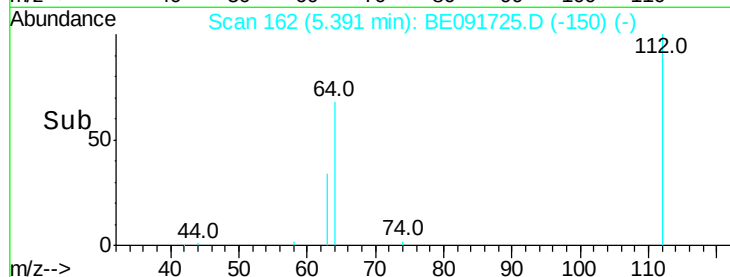
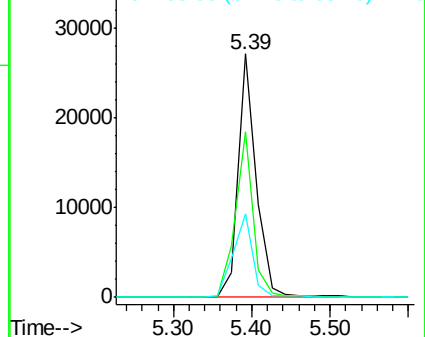
63 36.5 16.7 25.1#



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: 5.54 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091725.D

Acq: 27 Apr 2016 14:25

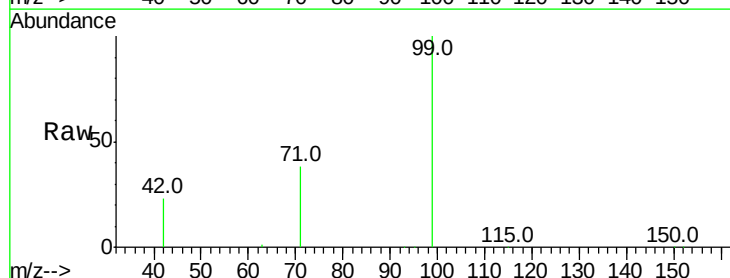
Tgt Ion: 99 Resp: 63590

Ion Ratio Lower Upper

99 100

42 25.1 16.2 24.2#

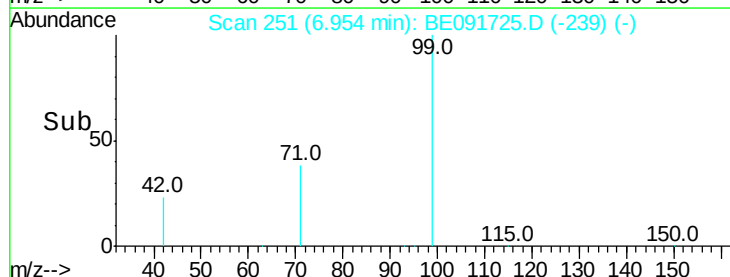
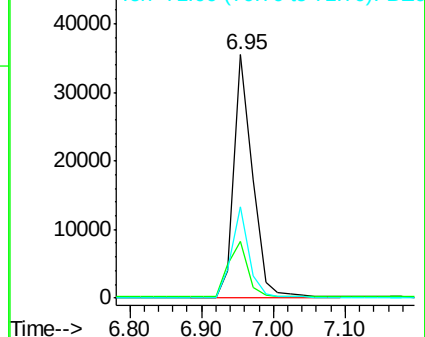
71 35.9 29.0 43.4

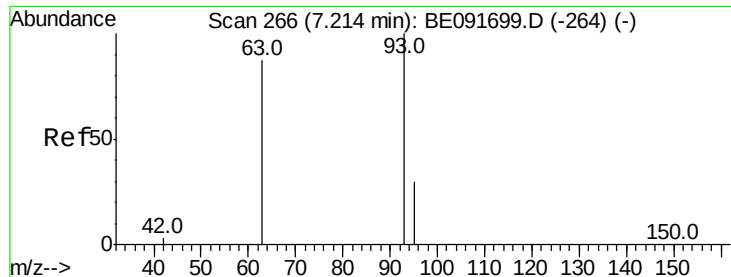


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.02 ng

RT: 7.13 min Scan# 261

Delta R.T. -0.09 min

Lab File: BE091725.D

Acq: 27 Apr 2016 14:25

Instrument :

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CEDAR-HILL-TF-PS-001

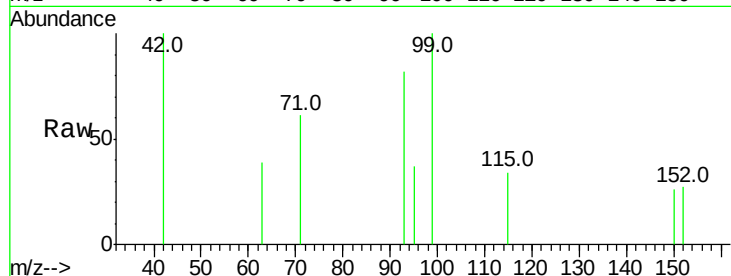
Tot Ion: 93 Resp: 213

Ion Ratio Lower Upper

93 100

63 0.0 49.5 74.3#

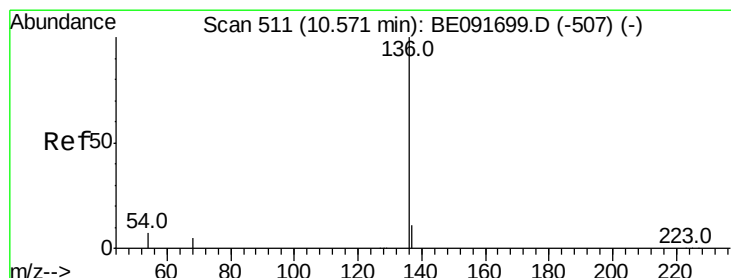
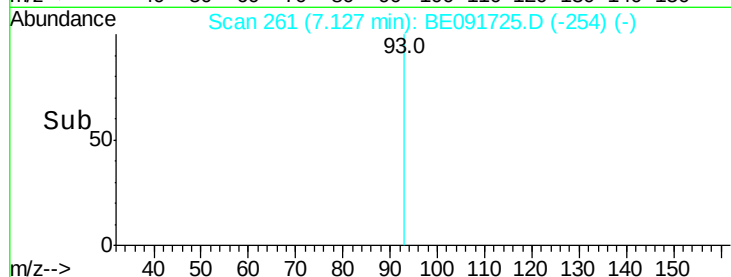
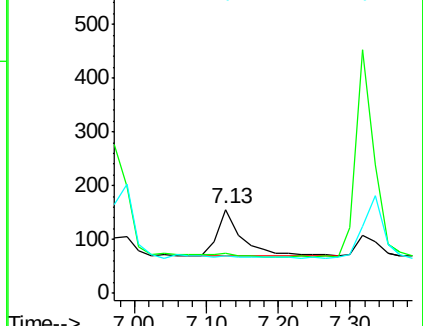
95 0.0 22.2 33.4#



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: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091725.D

Acq: 27 Apr 2016 14:25

Tgt Ion: 136 Resp: 159341

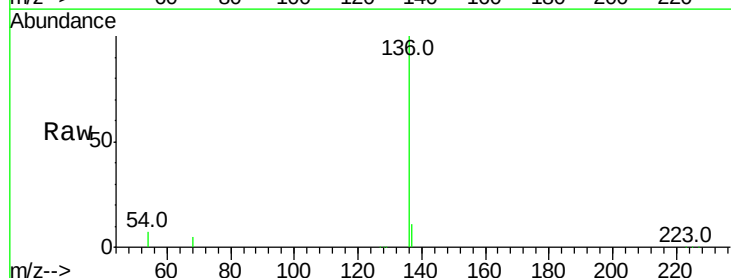
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.9 8.2 12.4#

68 5.1 6.2 9.4#

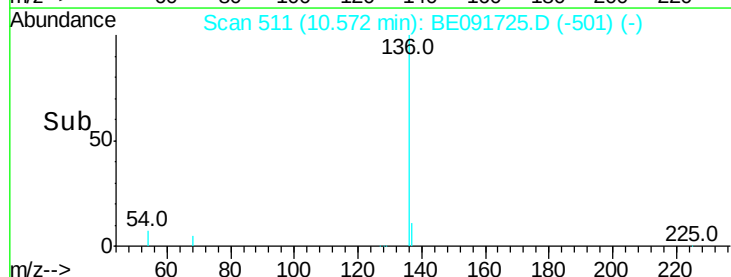
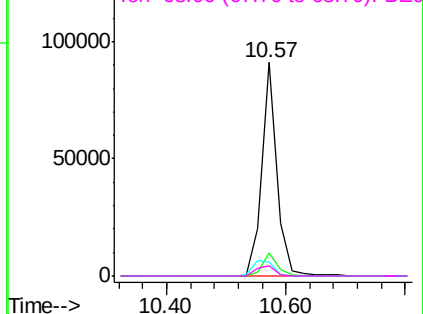


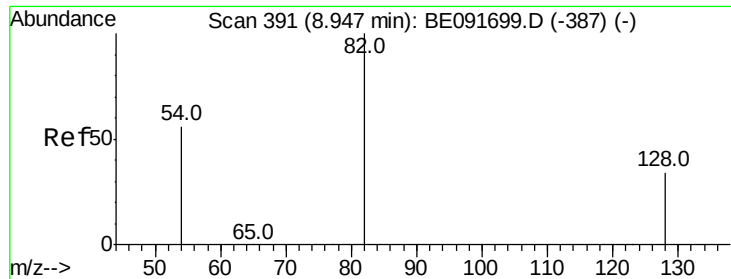
Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.67 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091725.D

Acq: 27 Apr 2016 14:25

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001

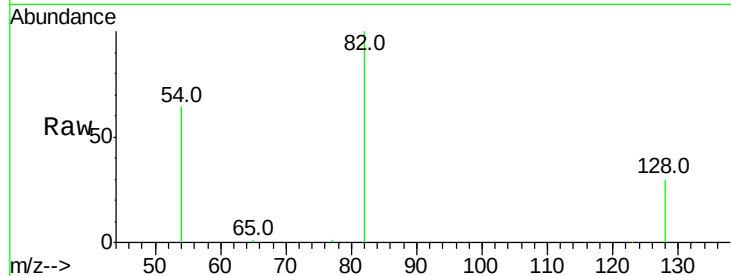
Tot Ion: 82 Resp: 27446

Ion Ratio Lower Upper

82 100

128 29.7 25.4 38.0

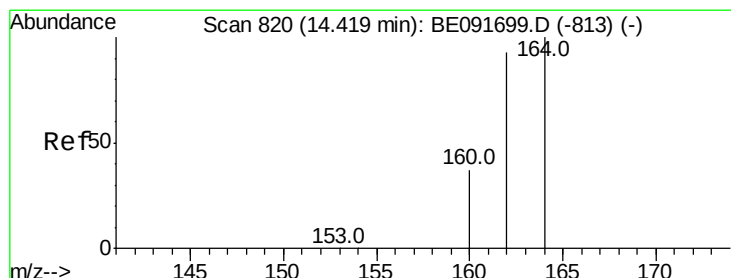
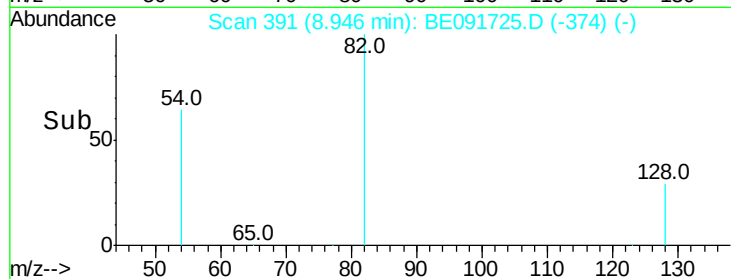
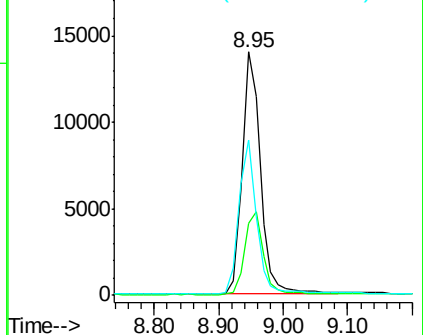
54 63.8 48.4 72.6



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



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE091725.D

Acq: 27 Apr 2016 14:25

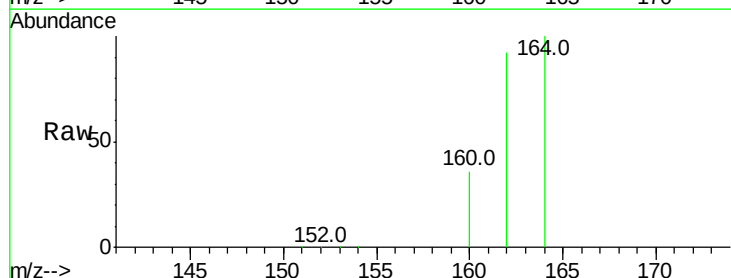
Tgt Ion: 164 Resp: 92347

Ion Ratio Lower Upper

164 100

162 91.9 85.3 127.9

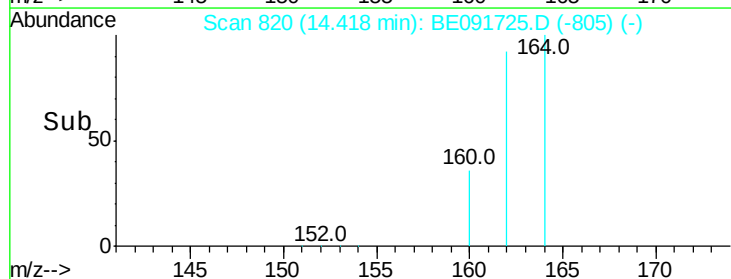
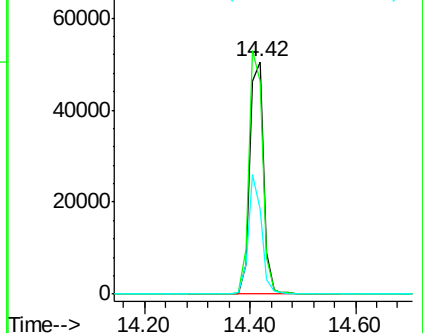
160 36.5 46.2 69.2#

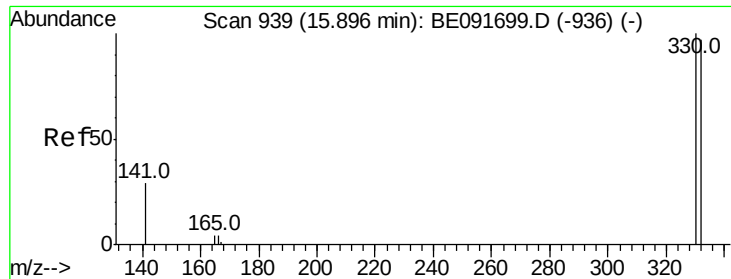


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

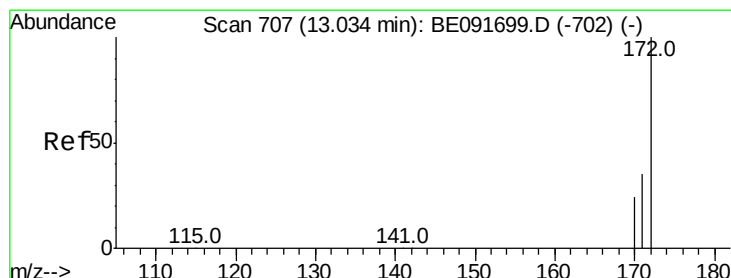
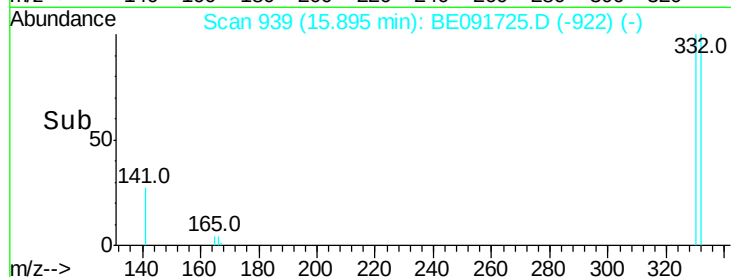
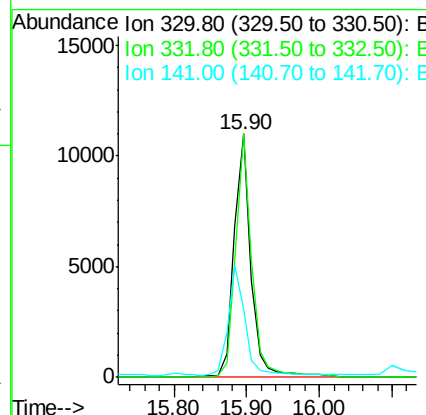
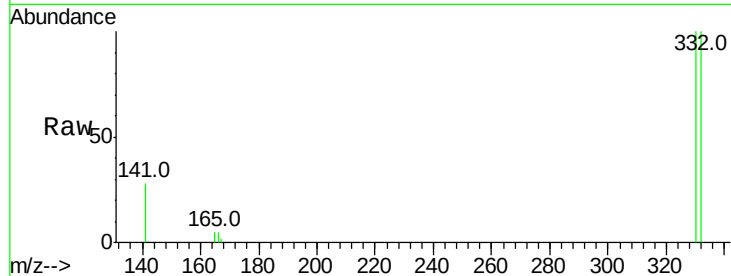




#14
 2,4,6-Tribromophenol
 Concen: 5.85 ng
 RT: 15.90 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: BE091725.D
 Acq: 27 Apr 2016 14:25

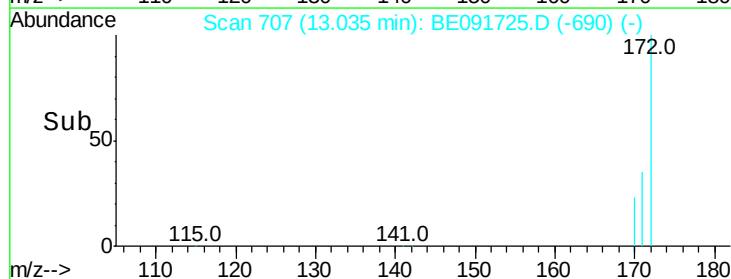
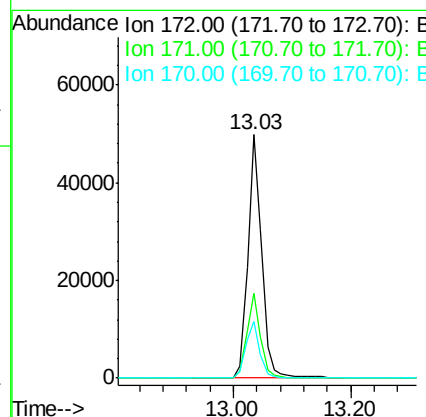
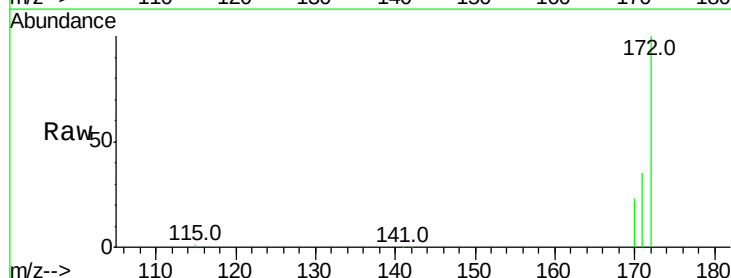
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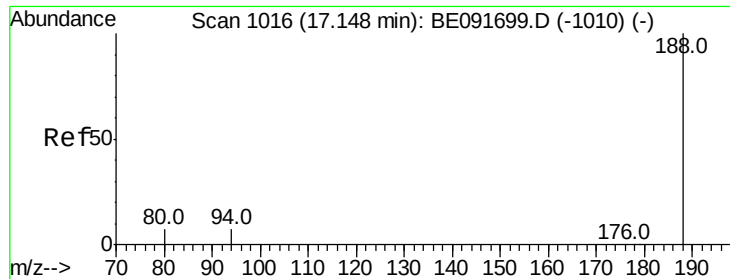
Tot Ion:330 Resp: 19949
 Ion Ratio Lower Upper
 330 100
 332 97.0 79.1 118.7
 141 44.9 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.09 ng
 RT: 13.03 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091725.D
 Acq: 27 Apr 2016 14:25

Tgt Ion:172 Resp: 80598
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.8 43.2
 170 23.2 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: BE091725.D

Acq: 27 Apr 2016 14:25

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001

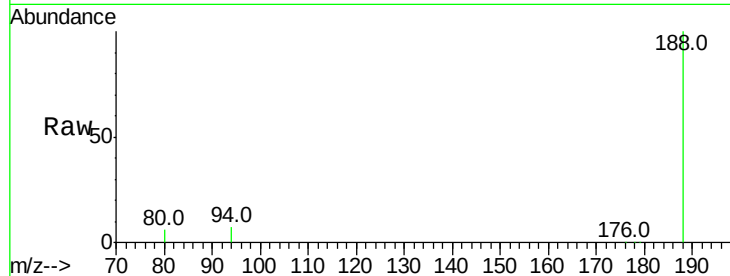
Tot Ion:188 Resp: 233134

Ion Ratio Lower Upper

188 100

94 6.6 8.7 13.1#

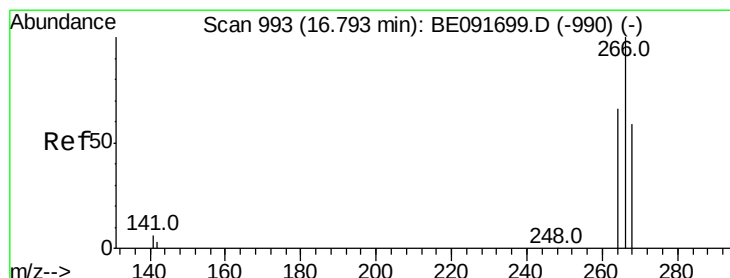
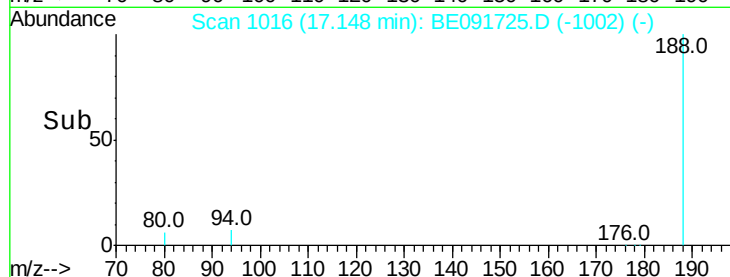
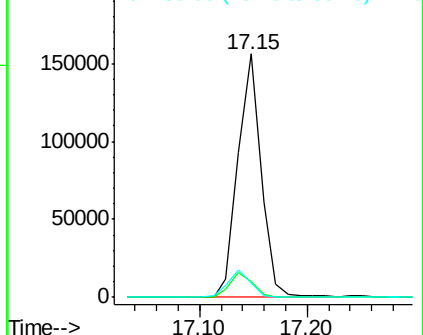
80 5.8 9.4 14.0#



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



#22

Pentachlorophenol

Concen: 0.13 ng

RT: 16.81 min Scan# 994

Delta R.T. 0.02 min

Lab File: BE091725.D

Acq: 27 Apr 2016 14:25

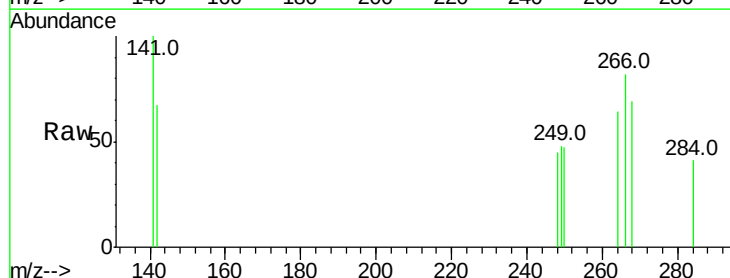
Tgt Ion:266 Resp: 154

Ion Ratio Lower Upper

266 100

268 83.3 58.2 87.2

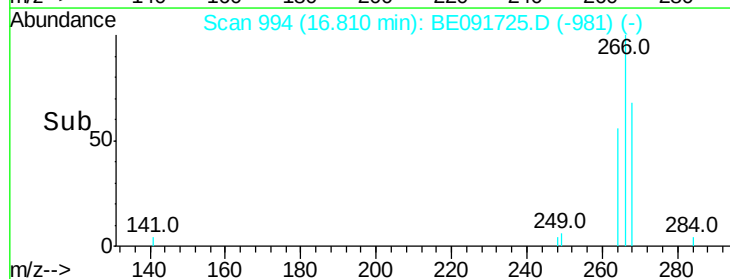
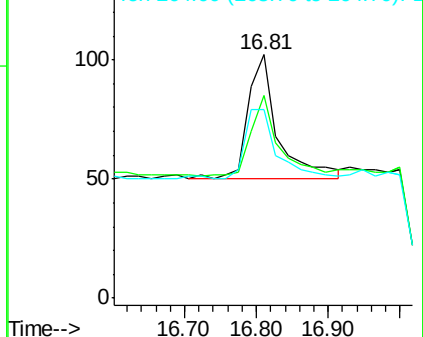
264 77.5 56.2 84.4

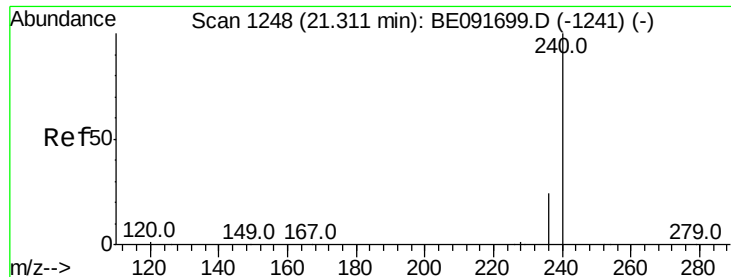


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

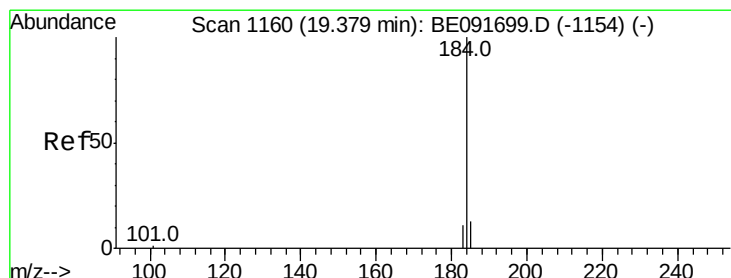
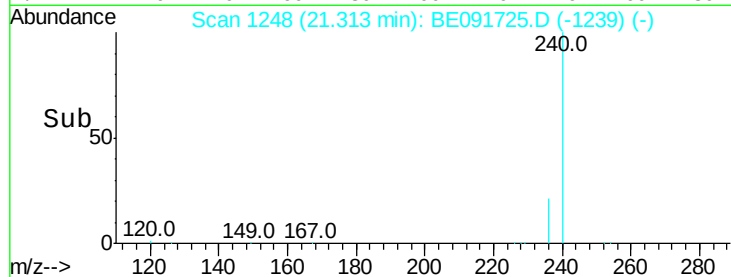
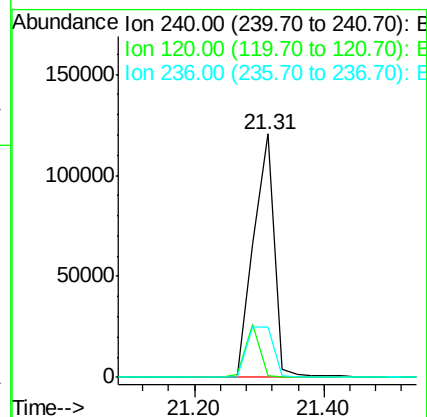
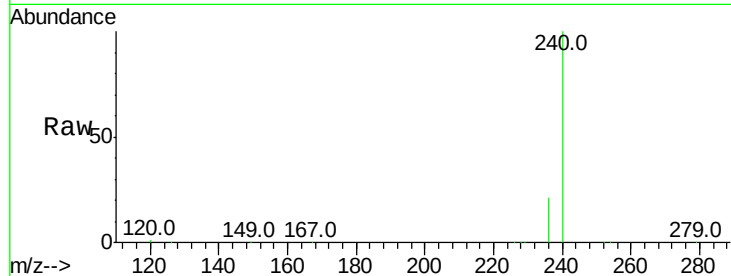




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091725.D
Acq: 27 Apr 2016 14:25

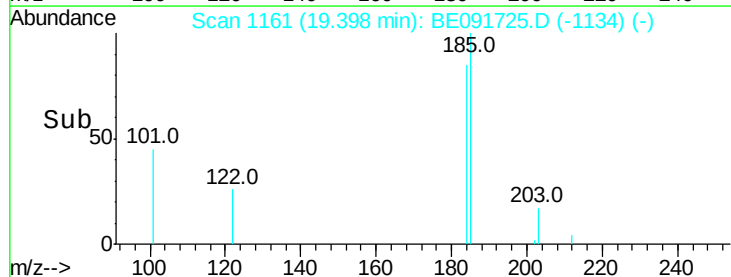
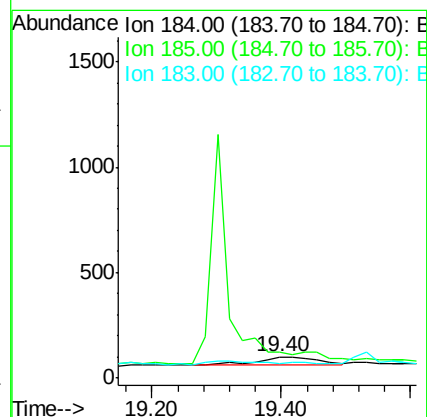
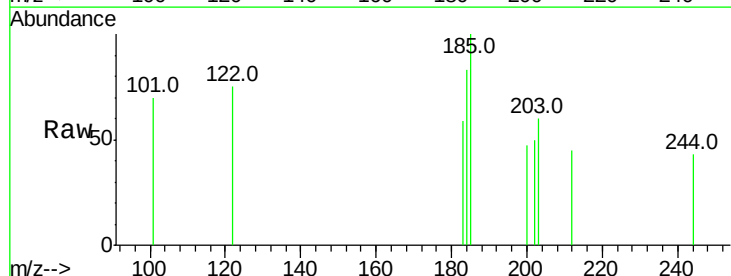
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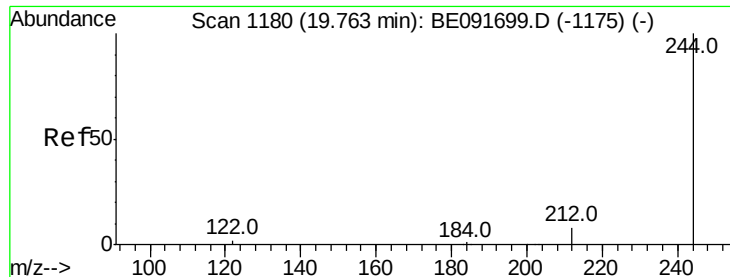
Tot Ion:240 Resp: 268321
Ion Ratio Lower Upper
240 100
120 0.9 11.0 16.4#
236 20.8 21.7 32.5#



#27
Benzidine
Concen: 0.17 ng
RT: 19.40 min Scan# 1161
Delta R.T. 0.02 min
Lab File: BE091725.D
Acq: 27 Apr 2016 14:25

Tgt Ion:184 Resp: 232
Ion Ratio Lower Upper
184 100
185 119.8 22.3 33.5#
183 70.3 16.4 24.6#





#29

Terphenyl-d14

Concen: 3.65 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091725.D

Acq: 27 Apr 2016 14:25

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001

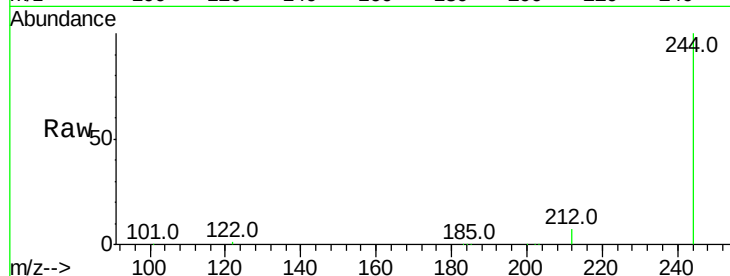
Tot Ion:244 Resp: 152923

Ion Ratio Lower Upper

244 100

212 7.2 6.9 10.3

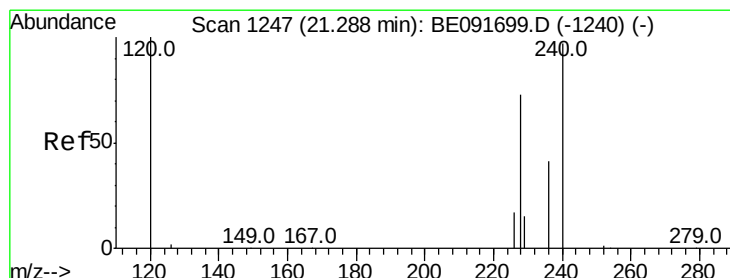
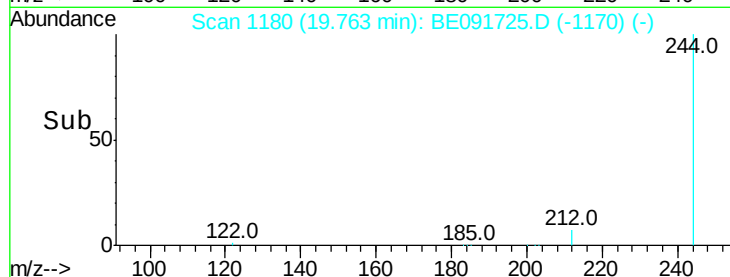
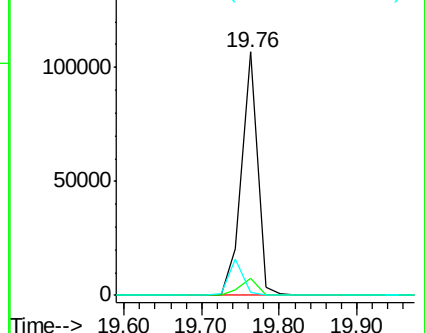
122 1.2 11.0 16.4#



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: BE091725.D

Acq: 27 Apr 2016 14:25

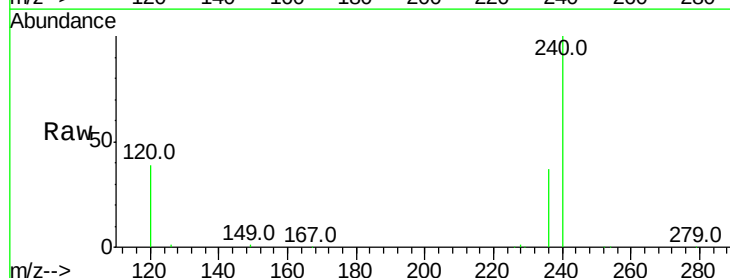
Tgt Ion:228 Resp: 1476

Ion Ratio Lower Upper

228 100

226 21.4 21.0 31.4

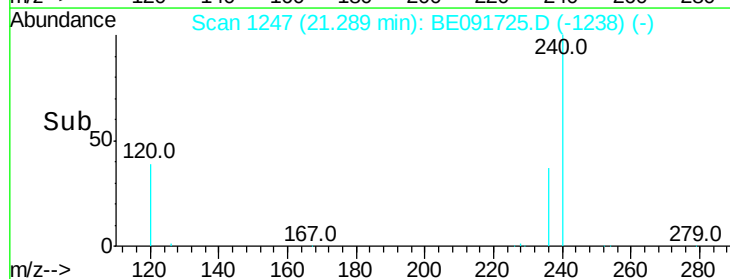
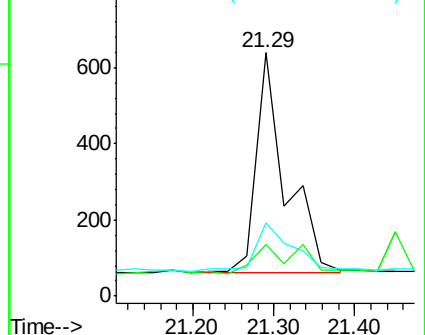
229 30.0 15.7 23.5#

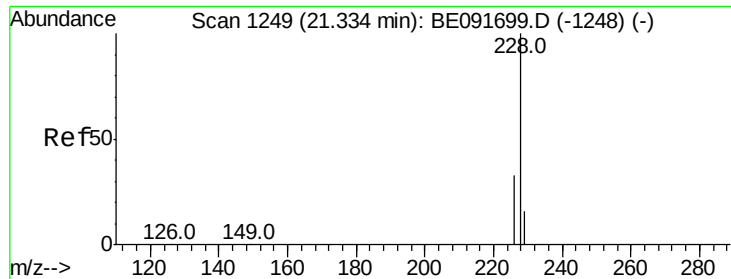


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Chrysene

Concen: 0.02 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.04 min

Lab File: BE091725.D

Acq: 27 Apr 2016 14:25

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001

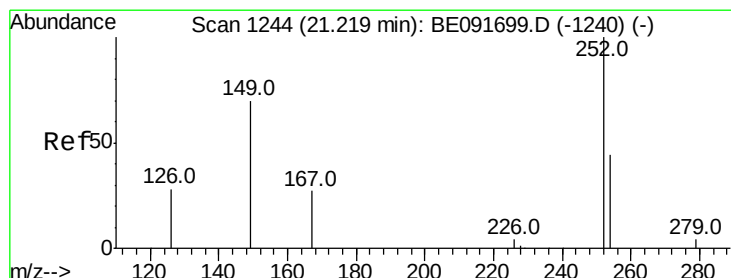
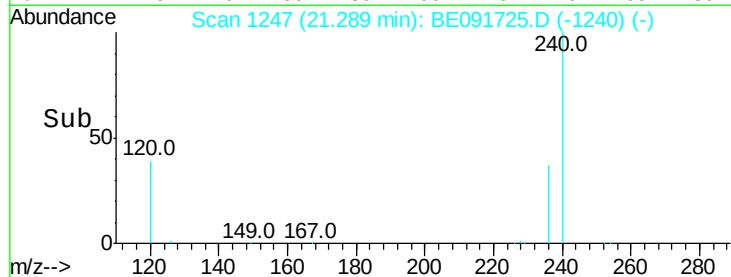
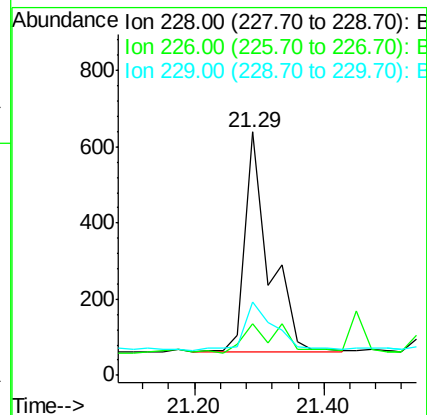
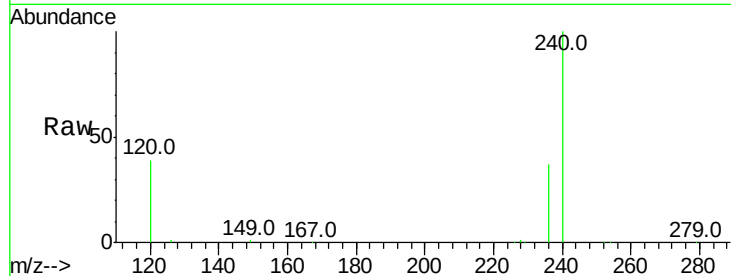
Tot Ion:228 Resp: 1491

Ion Ratio Lower Upper

228 100

226 21.4 24.0 36.0#

229 30.0 15.9 23.9#



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.85 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091725.D

Acq: 27 Apr 2016 14:25

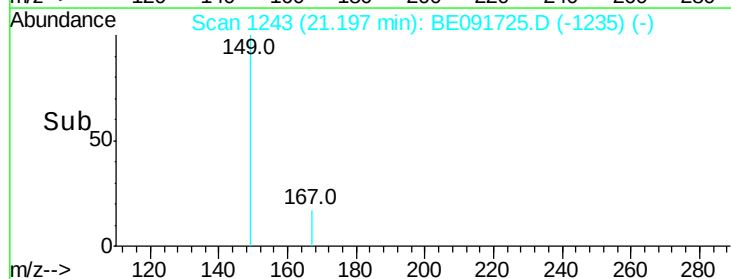
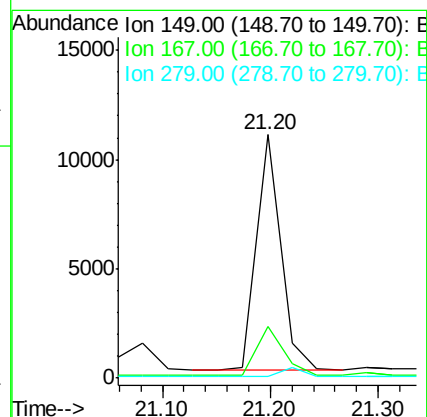
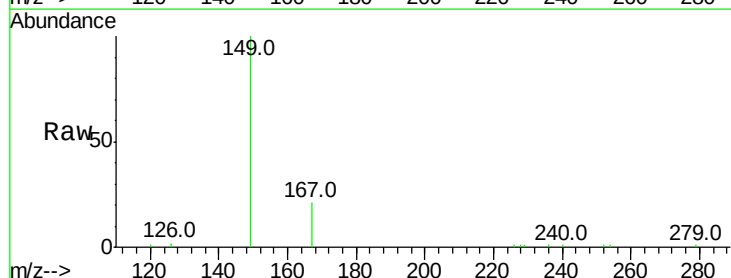
Tgt Ion:149 Resp: 16969

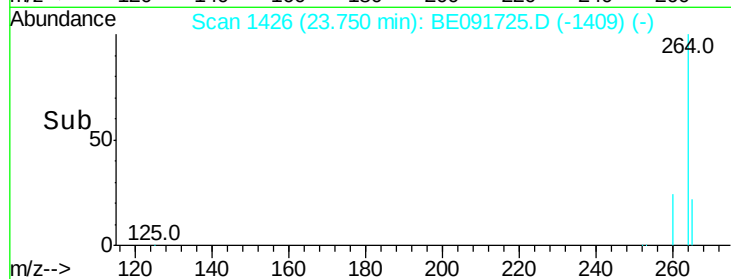
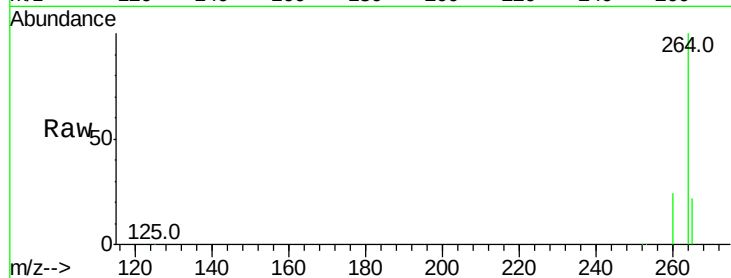
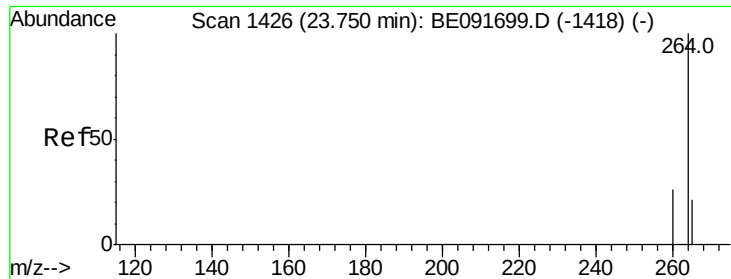
Ion Ratio Lower Upper

149 100

167 22.8 19.5 29.3

279 0.0 10.0 15.0#





#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BE091725.D
 Acq: 27 Apr 2016 14:25

Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-001

Tot Ion:	264	Resp:	285051
Ion Ratio	Lower	Upper	
264	100		
260	24.2	20.0	30.0
265	22.2	17.5	26.3

