

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051016\
 Data File : BE091763.D
 Acq On : 10 May 2016 19:17
 Operator : UM/SJ
 Sample : H2912-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-003

Quant Time: May 11 01:18:30 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

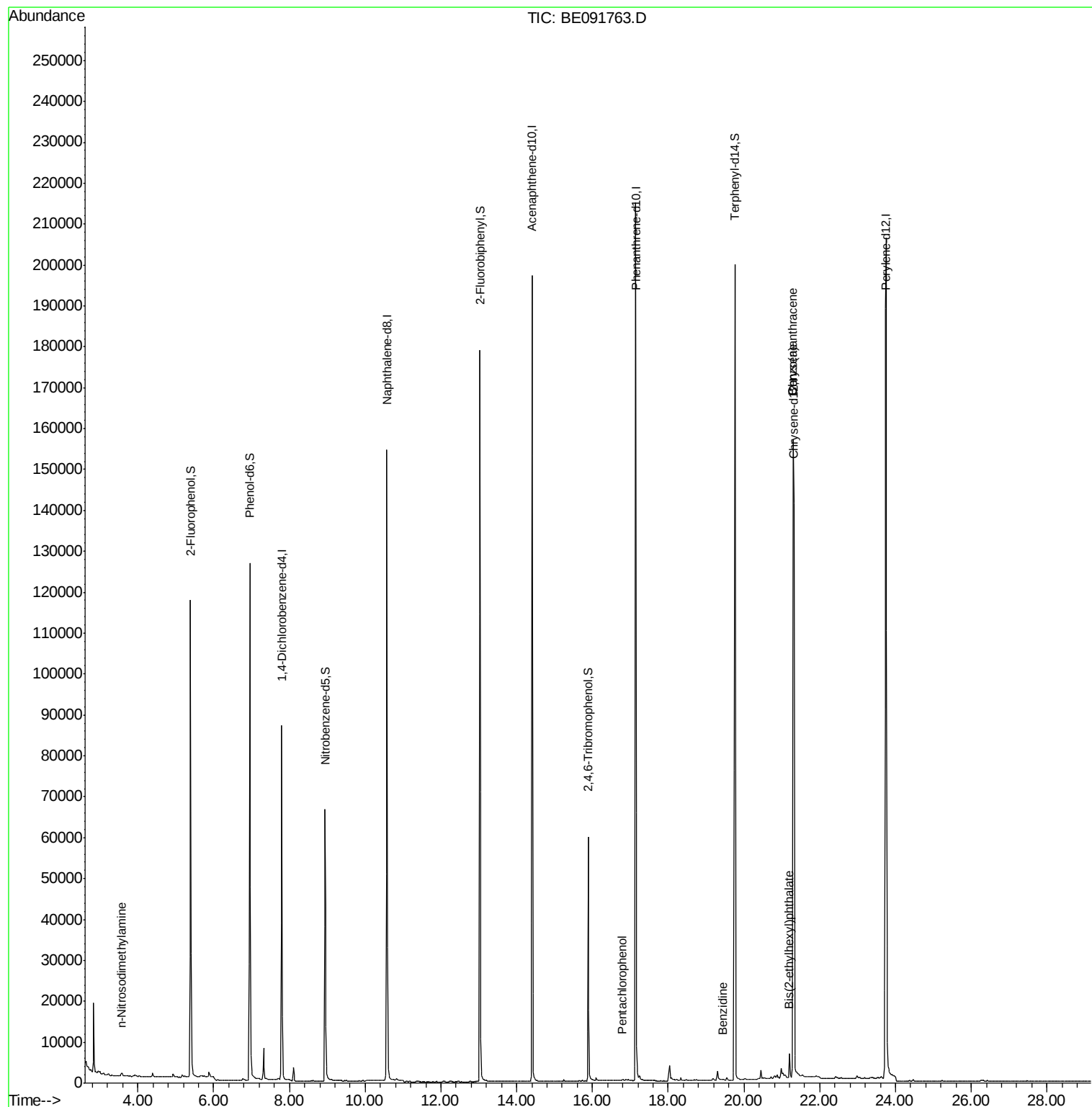
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	45789	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	221031	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	133337	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	351826	5.00	ng	0.00
26) Chrysene-d12	21.31	240	301050	5.00	ng	0.00
35) Perylene-d12	23.75	264	319252	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	90957	8.09	ng	0.00
5) Phenol-d6	6.95	99	139069	9.32	ng	0.00
8) Nitrobenzene-d5	8.95	82	62810	4.40	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	41792	8.41	ng	0.00
15) 2-Fluorobiphenyl	13.04	172	176855	4.69	ng	0.00
29) Terphenyl-d14	19.76	244	266671	5.68	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.57	42	405	0.05	ng	# 1
22) Pentachlorophenol	16.79	266	507	0.17	ng	93
27) Benzidine	19.44	184	352	0.18	ng	# 1
30) Benzo(a)anthracene	21.29	228	1715	0.02	ng	# 83
32) Chrysene	21.29	228	1748	0.02	ng	# 79
33) Bis(2-ethylhexyl)phthalate	21.20	149	7357	0.33	ng	# 86

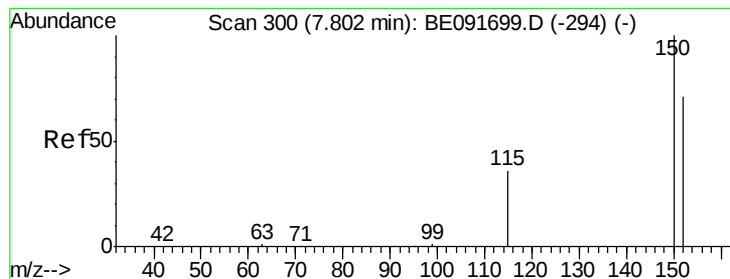
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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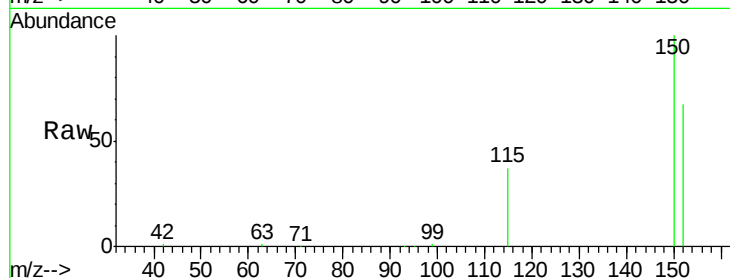
Tgt Ion:152 Resp: 45789

Ion Ratio Lower Upper

152 100

150 148.8 122.6 183.8

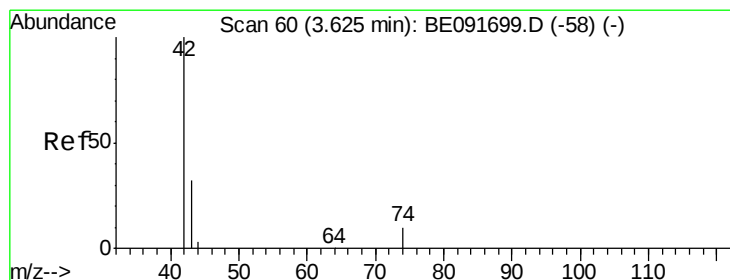
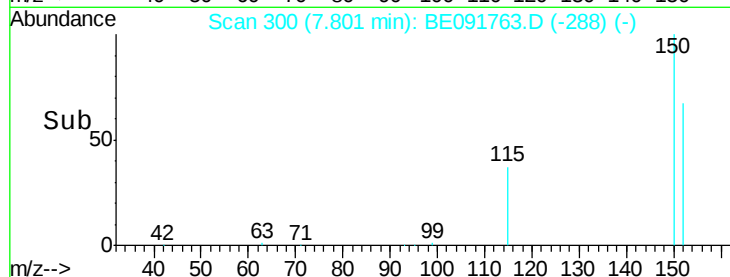
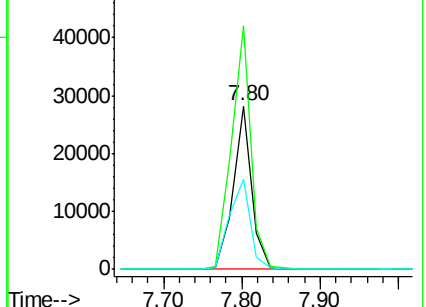
115 55.3 52.8 79.2



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: 0.05 ng

RT: 3.57 min Scan# 57

Delta R.T. -0.05 min

Lab File: BE091763.D

Acq: 10 May 2016 19:17

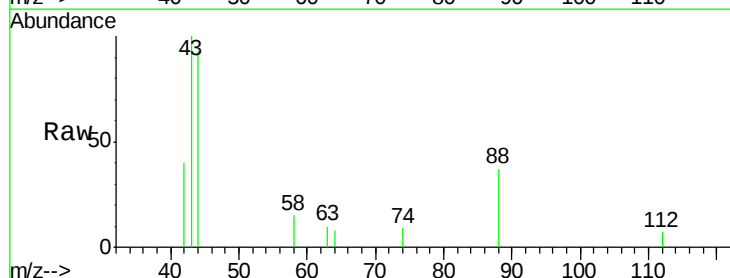
Tgt Ion: 42 Resp: 405

Ion Ratio Lower Upper

42 100

74 3.0 87.9 131.9#

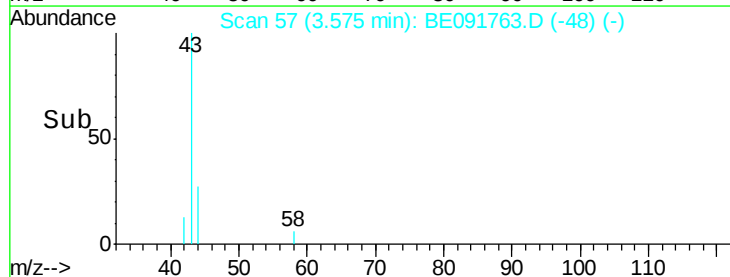
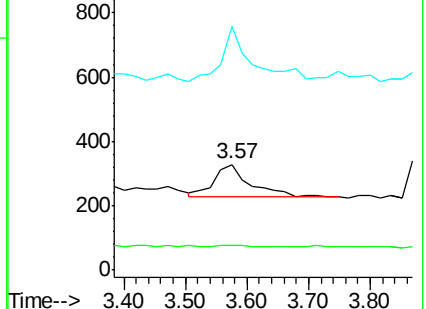
44 147.7 6.6 9.8#

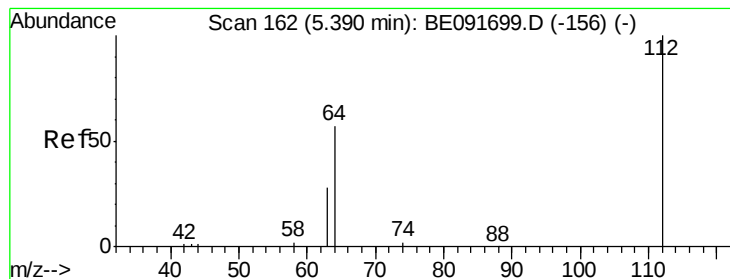


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 8.09 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091763.D

Acq: 10 May 2016 19:17

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003

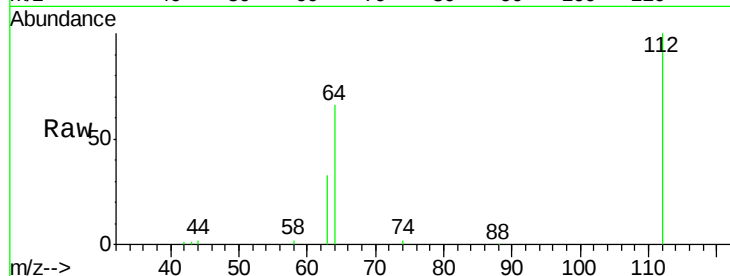
Tgt Ion: 112 Resp: 90957

Ion Ratio Lower Upper

112 100

64 66.1 30.9 46.3#

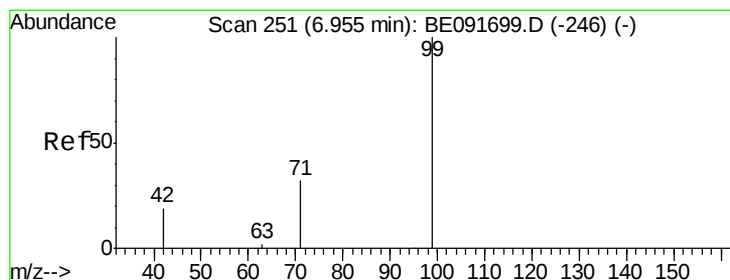
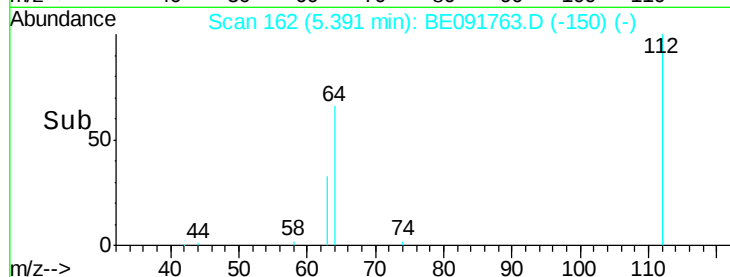
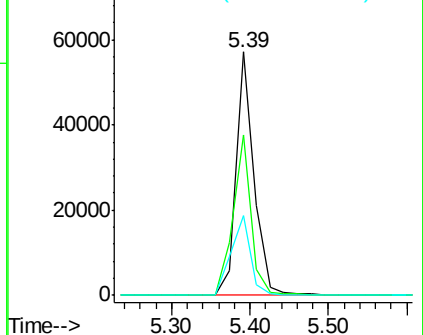
63 35.7 16.7 25.1#



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: 9.32 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091763.D

Acq: 10 May 2016 19:17

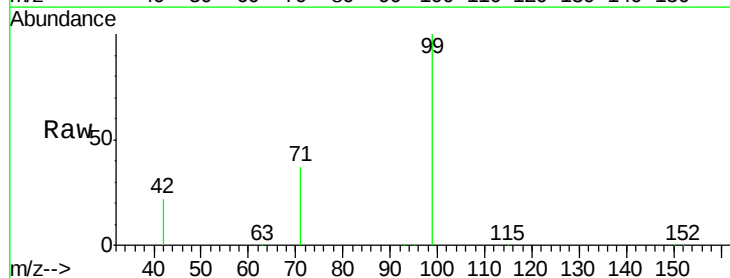
Tgt Ion: 99 Resp: 139069

Ion Ratio Lower Upper

99 100

42 24.0 16.2 24.2

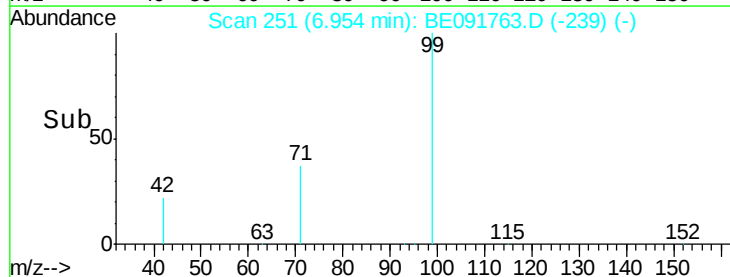
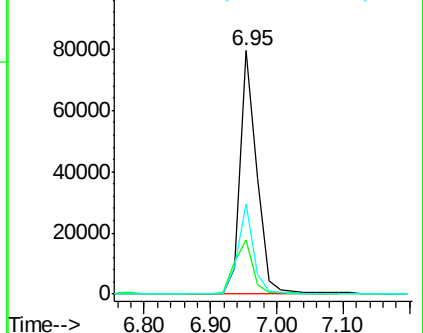
71 35.0 29.0 43.4

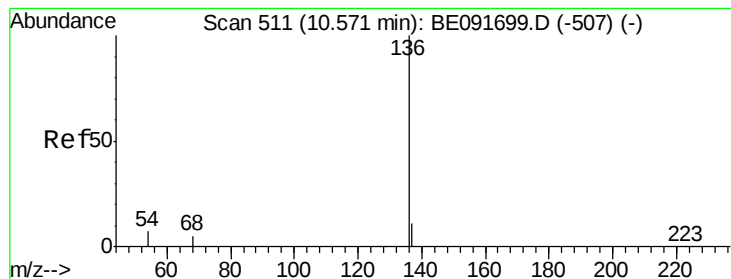


Abundance Ion 99.00 (98.70 to 99.70): BE091699.D (-246) (-)

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: BE091763.D

Acq: 10 May 2016 19:17

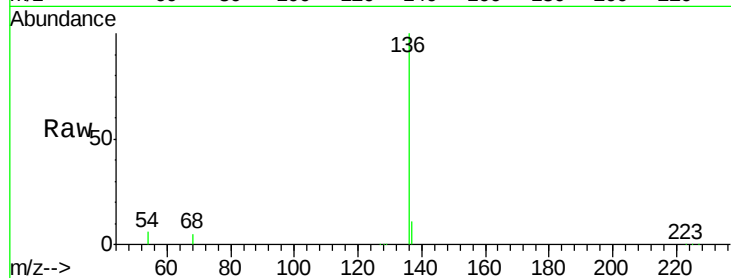
Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003

Tgt Ion:	136	Resp:	221031
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.5	8.2	12.4#
68	4.9	6.2	9.4#



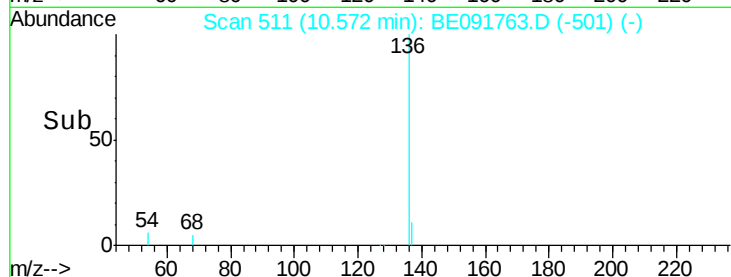
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

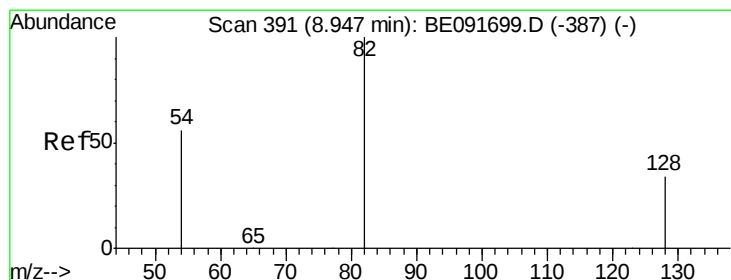
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 4.40 ng

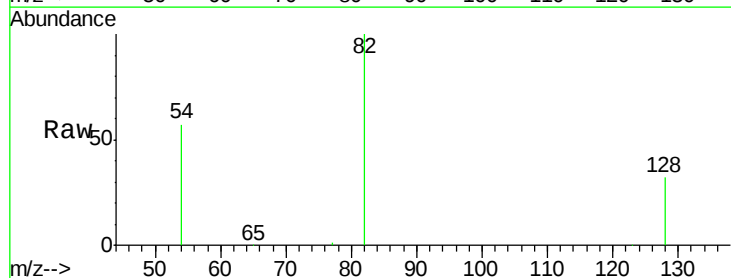
RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091763.D

Acq: 10 May 2016 19:17

Tgt Ion:	82	Resp:	62810
Ion Ratio	Lower	Upper	
82	100		
128	31.9	25.4	38.0
54	57.4	48.4	72.6

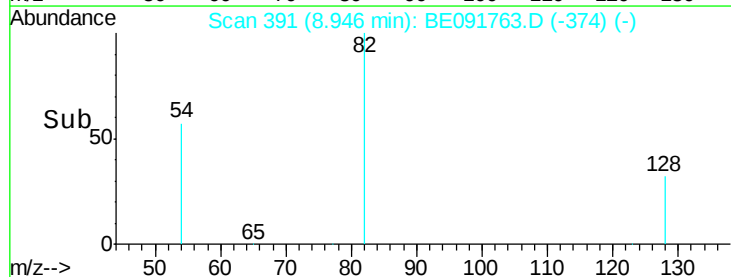


Abundance Ion 82.00 (81.70 to 82.70): BE0

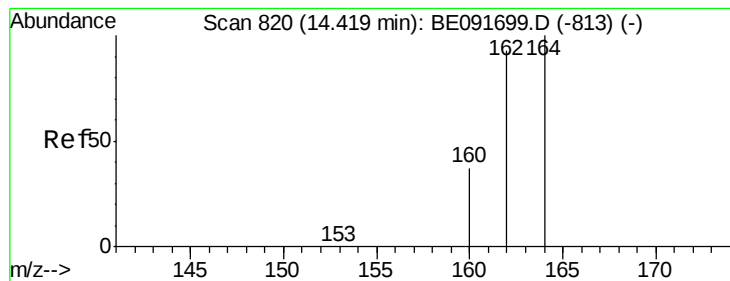
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091763.D

Acq: 10 May 2016 19:17

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003

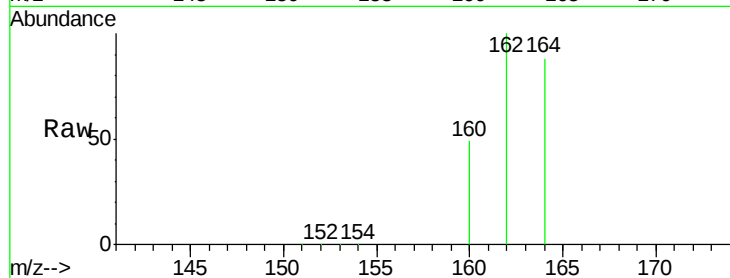
Tgt Ion:164 Resp: 133337

Ion Ratio Lower Upper

164 100

162 113.7 85.3 127.9

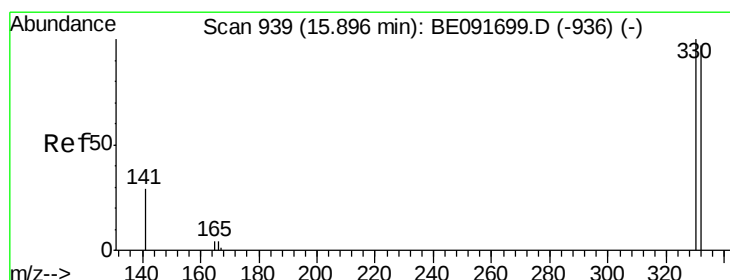
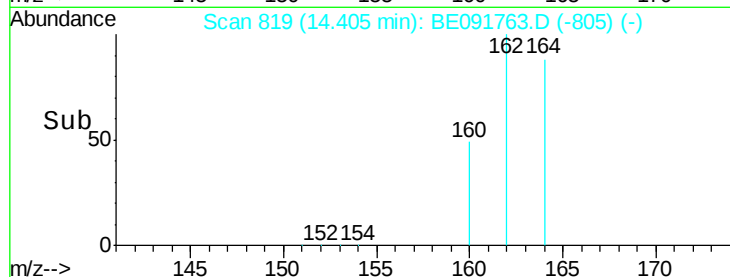
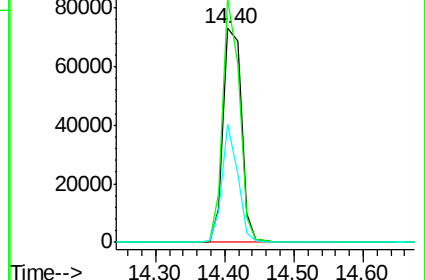
160 55.5 46.2 69.2



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: 8.41 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.00 min

Lab File: BE091763.D

Acq: 10 May 2016 19:17

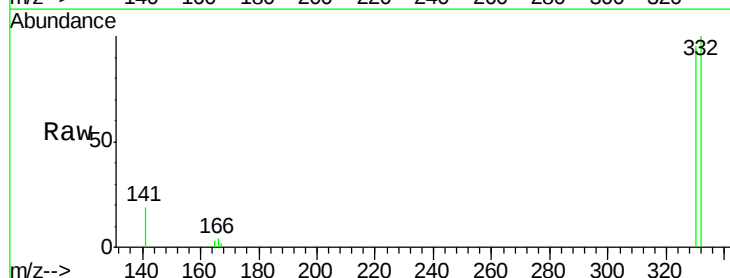
Tgt Ion:330 Resp: 41792

Ion Ratio Lower Upper

330 100

332 96.9 79.1 118.7

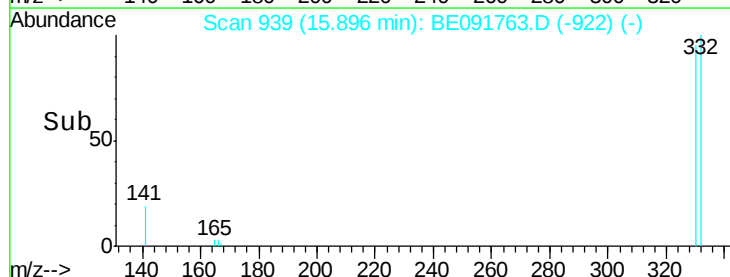
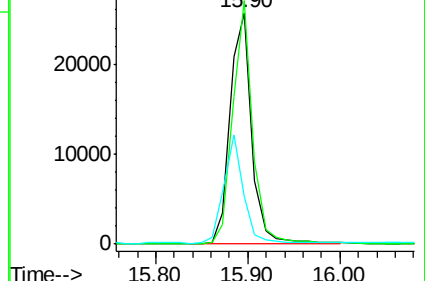
141 42.3 125.4 188.0#

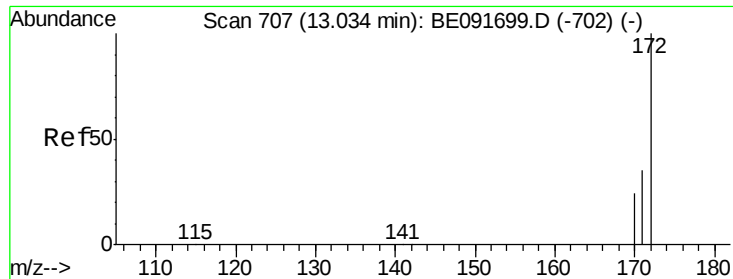


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

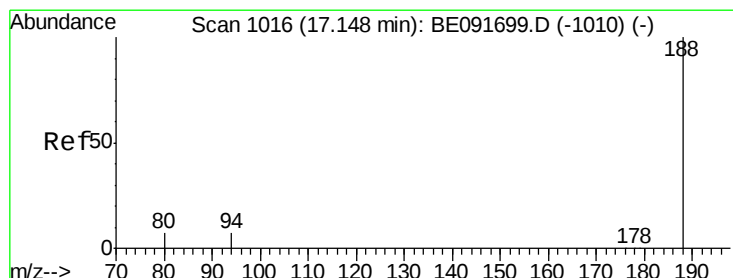
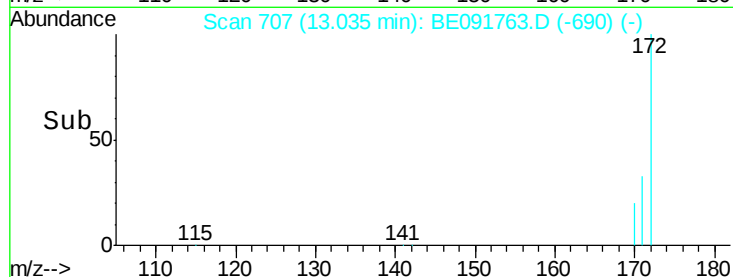
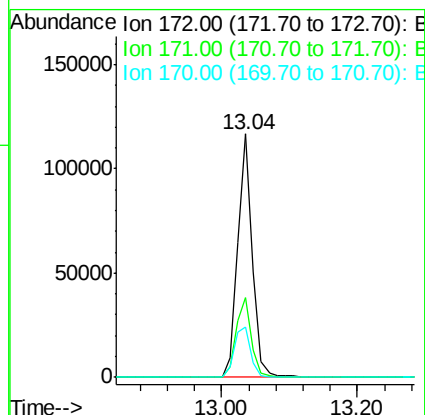
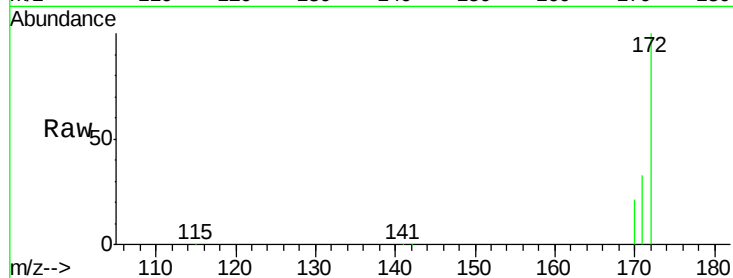




#15
2-Fluorobiphenyl
Concen: 4.69 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091763.D
Acq: 10 May 2016 19:17

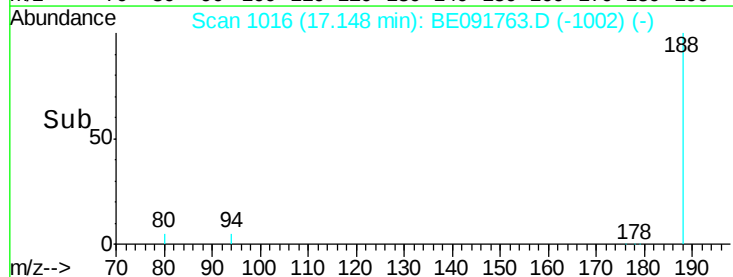
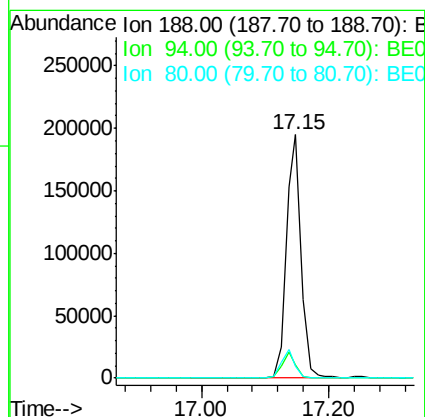
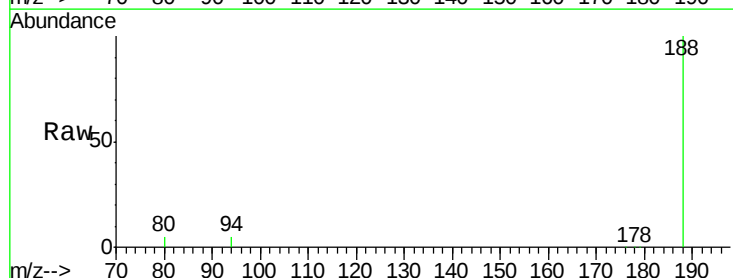
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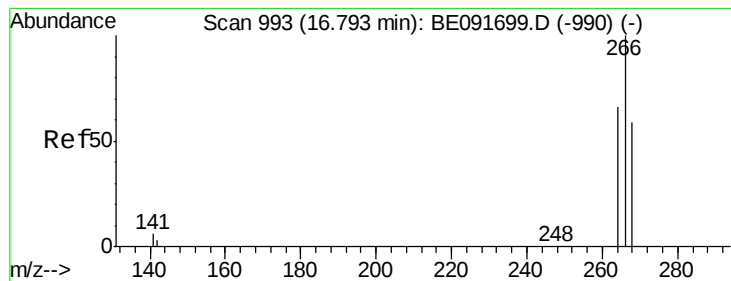
Tgt Ion:172 Resp: 176855
Ion Ratio Lower Upper
172 100
171 32.5 28.8 43.2
170 20.5 19.3 28.9



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091763.D
Acq: 10 May 2016 19:17

Tgt Ion:188 Resp: 351826
Ion Ratio Lower Upper
188 100
94 5.4 8.7 13.1#
80 4.7 9.4 14.0#





#22

Pentachlorophenol

Concen: 0.17 ng

RT: 16.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE091763.D

Acq: 10 May 2016 19:17

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003

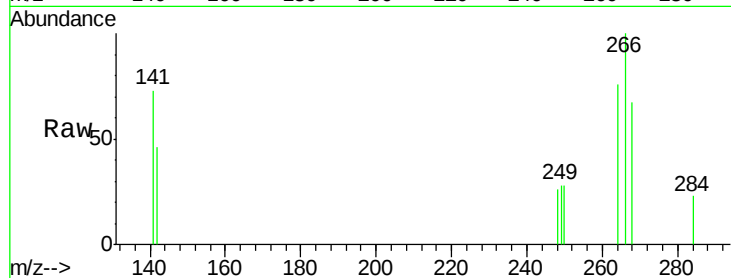
Tgt Ion:266 Resp: 507

Ion Ratio Lower Upper

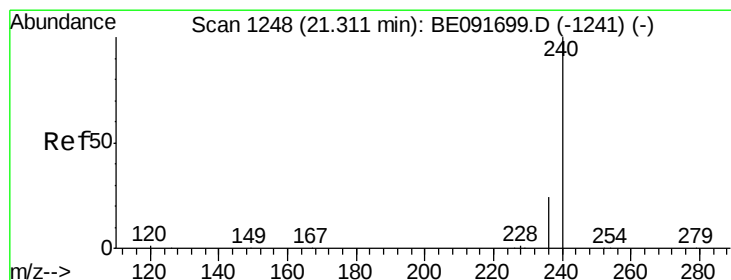
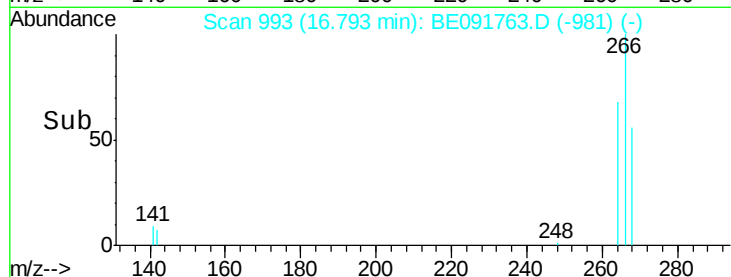
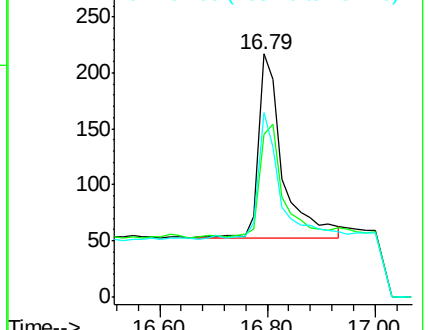
266 100

268 66.8 58.2 87.2

264 75.6 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: BE091763.D

Acq: 10 May 2016 19:17

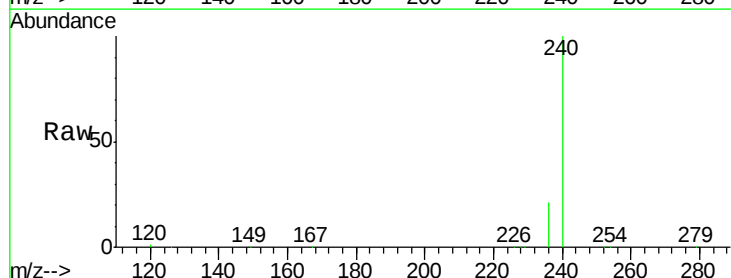
Tgt Ion:240 Resp: 301050

Ion Ratio Lower Upper

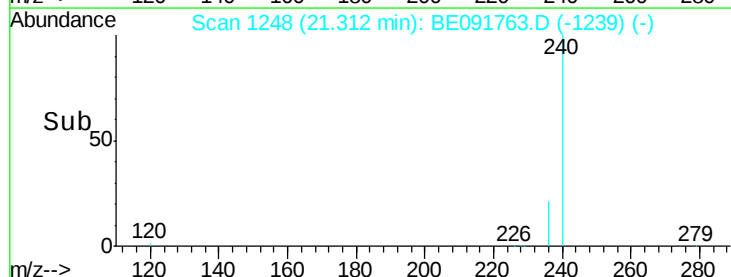
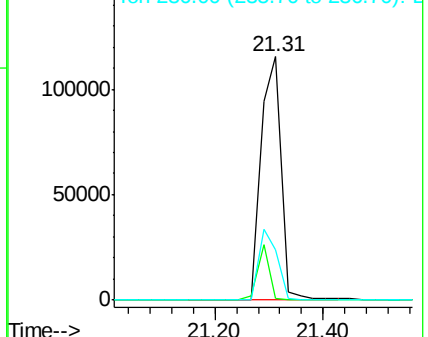
240 100

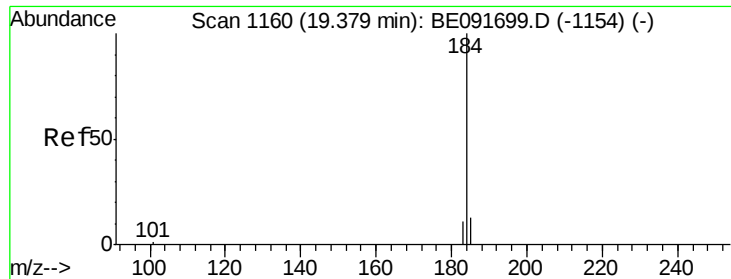
120 0.9 11.0 16.4#

236 20.7 21.7 32.5#



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





#27

Benzidine

Concen: 0.18 ng

RT: 19.44 min Scan# 1163

Delta R.T. 0.06 min

Lab File: BE091763.D

Acq: 10 May 2016 19:17

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BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003

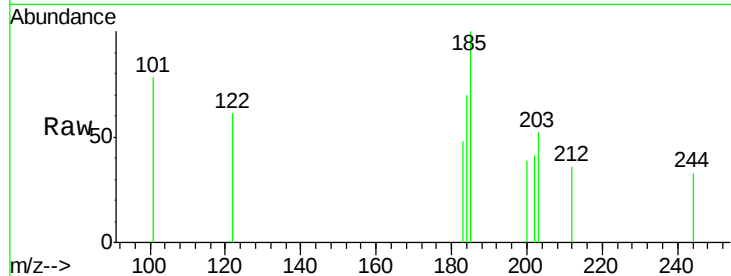
Tgt Ion:184 Resp: 352

Ion Ratio Lower Upper

184 100

185 142.9 22.3 33.5#

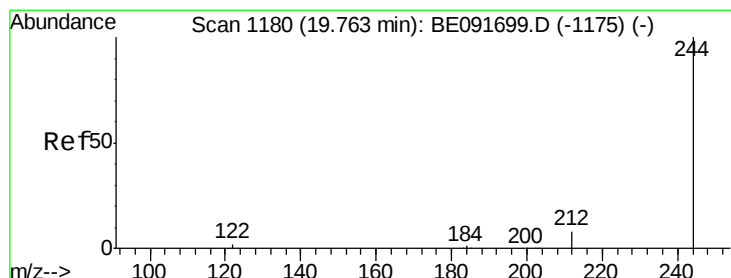
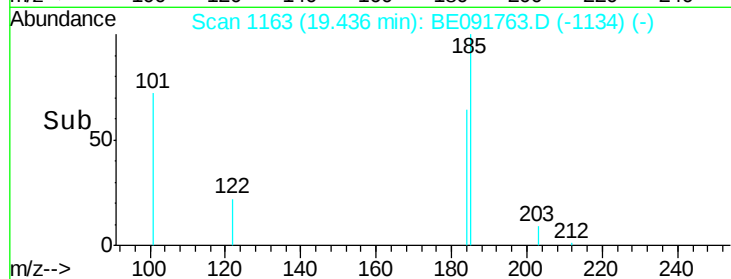
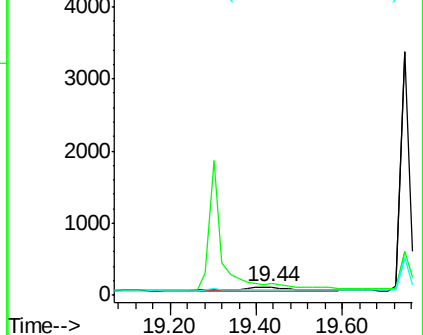
183 67.9 16.4 24.6#



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: 5.68 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091763.D

Acq: 10 May 2016 19:17

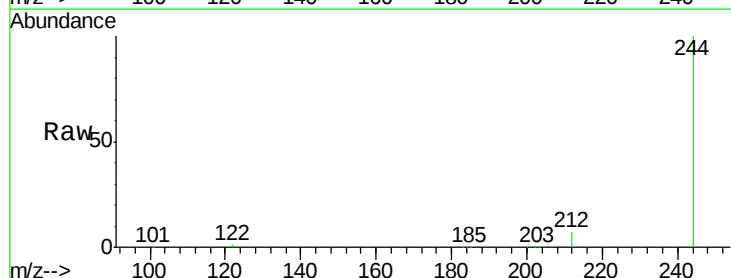
Tgt Ion:244 Resp: 266671

Ion Ratio Lower Upper

244 100

212 6.9 6.9 10.3#

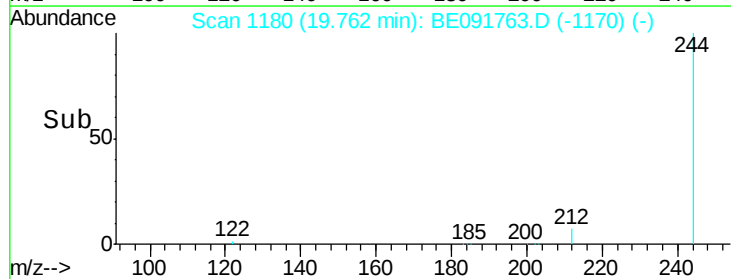
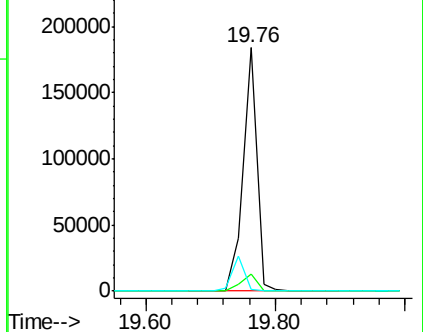
122 0.9 11.0 16.4#

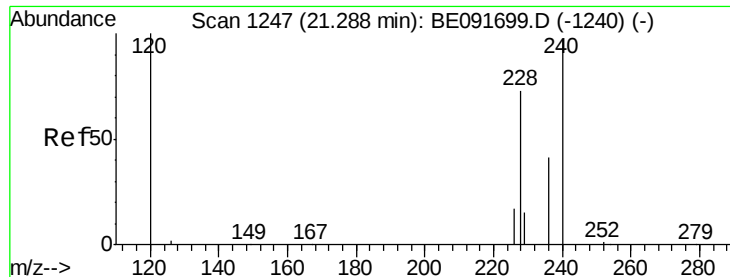


Abundance Ion 244.00 (243.70 to 244.70): E

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: BE091763.D

Acq: 10 May 2016 19:17

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003

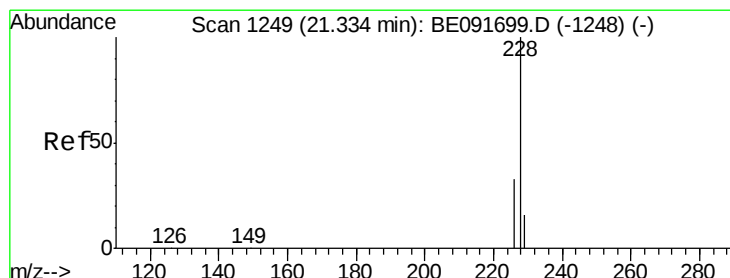
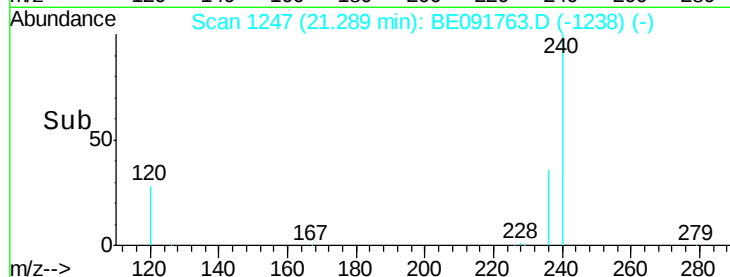
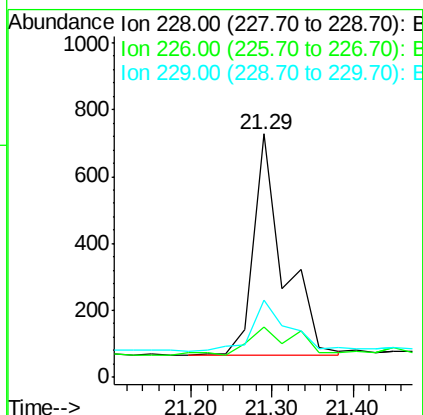
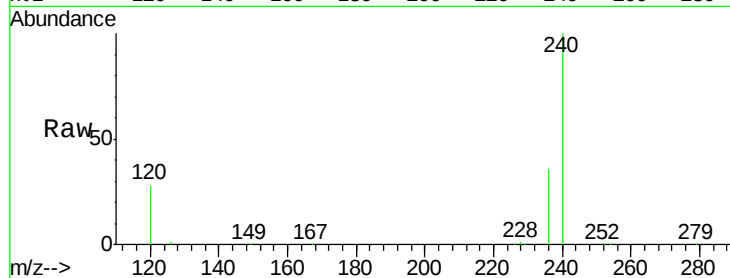
Tgt Ion:228 Resp: 1715

Ion Ratio Lower Upper

228 100

226 20.9 21.0 31.4#

229 31.9 15.7 23.5#



#32

Chrysene

Concen: 0.02 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.04 min

Lab File: BE091763.D

Acq: 10 May 2016 19:17

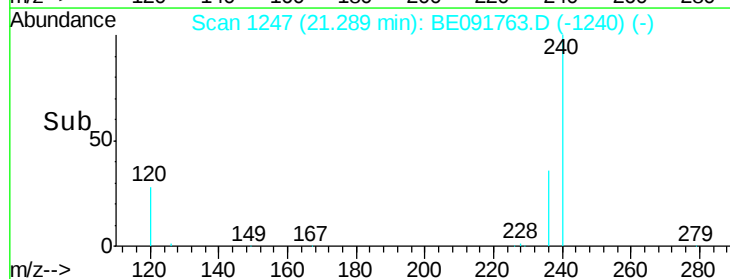
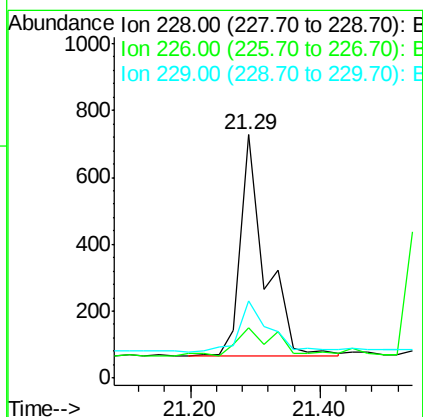
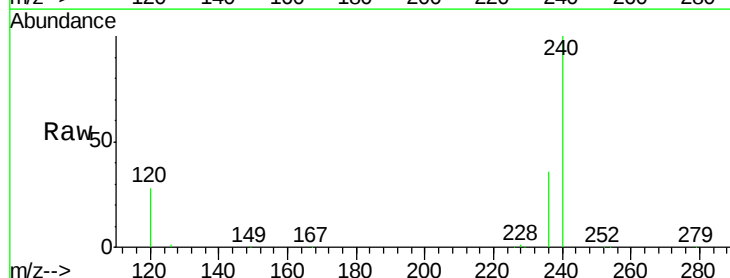
Tgt Ion:228 Resp: 1748

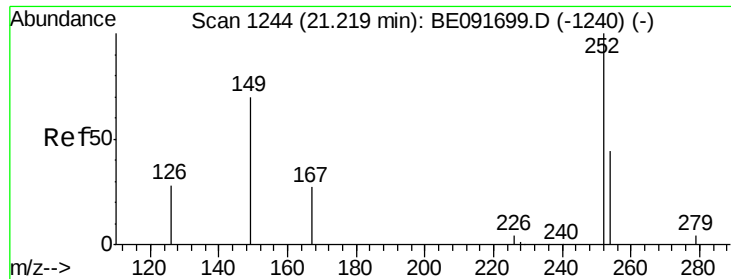
Ion Ratio Lower Upper

228 100

226 20.9 24.0 36.0#

229 31.9 15.9 23.9#

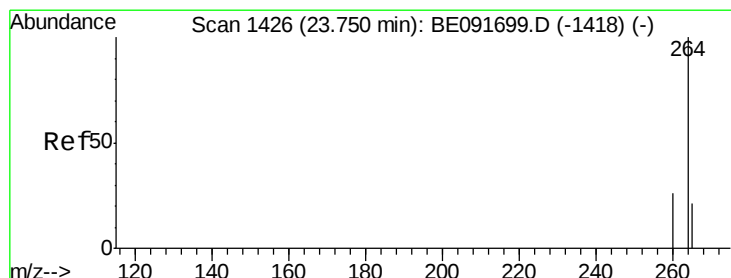
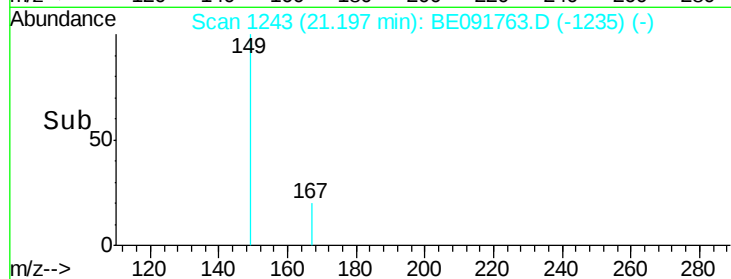
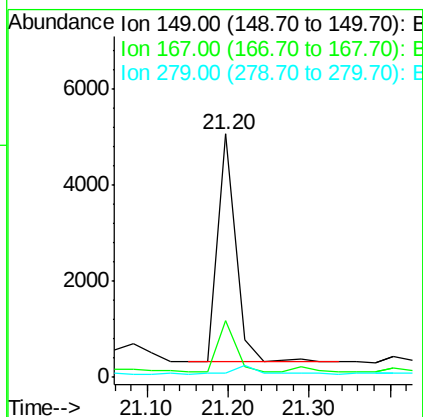
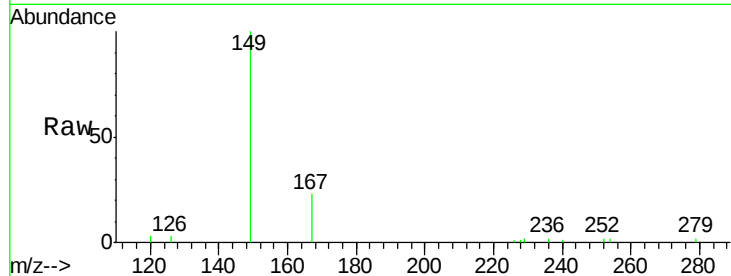




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.33 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091763.D
 Acq: 10 May 2016 19:17

Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-003

Tgt Ion: 149 Resp: 7357
 Ion Ratio Lower Upper
 149 100
 167 22.3 19.5 29.3
 279 0.0 10.0 15.0#



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BE091763.D
 Acq: 10 May 2016 19:17

Tgt Ion: 264 Resp: 319252
 Ion Ratio Lower Upper
 264 100
 260 23.4 20.0 30.0
 265 22.5 17.5 26.3

