

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051816\
 Data File : BE091793.D
 Acq On : 18 May 2016 17:51
 Operator : UM/SJ
 Sample : H3065-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-0343-160511

Quant Time: May 19 00:38:29 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

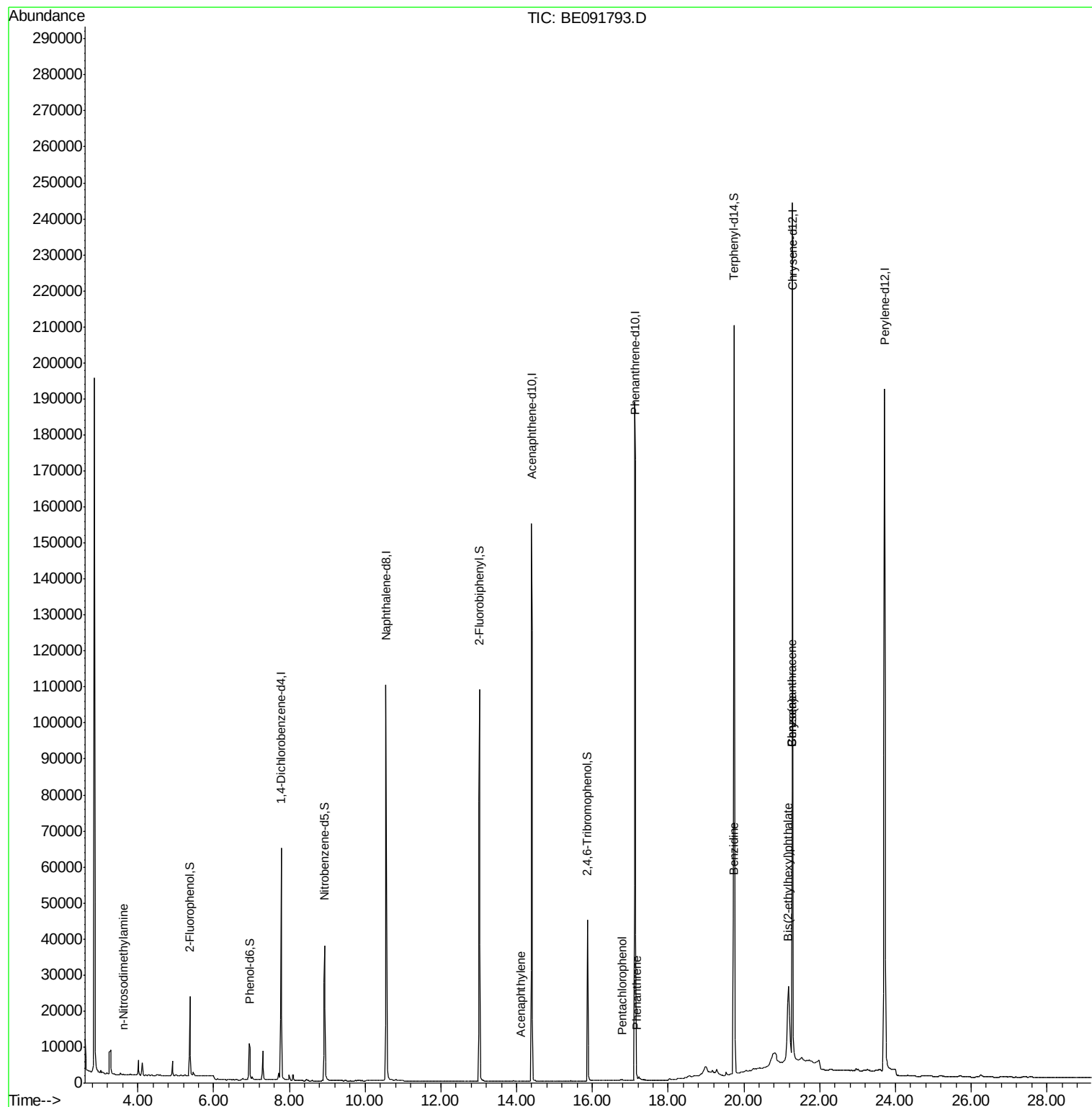
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	32147	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	163539	5.00	ng	-0.02
13) Acenaphthene-d10	14.39	164	106010	5.00	ng	-0.03
19) Phenanthrene-d10	17.14	188	303145	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	322530	5.00	ng	-0.02
35) Perylene-d12	23.72	264	303504	5.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	17106	2.17	ng	-0.01
5) Phenol-d6	6.95	99	14736	1.41	ng	0.00
8) Nitrobenzene-d5	8.93	82	36552	3.46	ng	-0.01
14) 2,4,6-Tribromophenol	15.87	330	31626	8.01	ng	-0.02
15) 2-Fluorobiphenyl	13.02	172	108109	3.61	ng	-0.01
29) Terphenyl-d14	19.74	244	248413	4.94	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.61	42	147	0.03	ng	# 11
16) Acenaphthylene	14.11	152	1198	0.03	ng	# 30
22) Pentachlorophenol	16.78	266	408	0.16	ng	93
23) Phenanthrene	17.17	178	2628	0.04	ng	# 80
27) Benzidine	19.72	184	3875	0.31	ng	94
30) Benzo(a)anthracene	21.27	228	2564	0.03	ng	# 11
32) Chrysene	21.27	228	2559	0.03	ng	# 20
33) Bis(2-ethylhexyl)phthalate	21.17	149	52644	2.21	ng	# 63

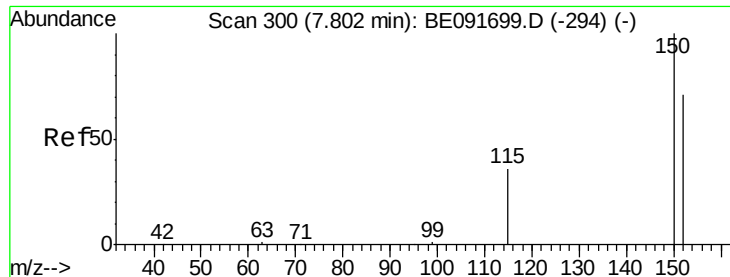
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

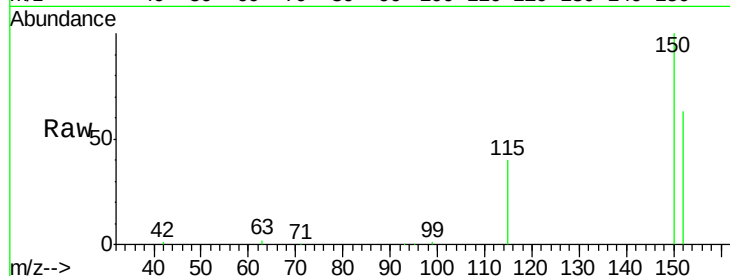
Tgt Ion:152 Resp: 32147

Ion Ratio Lower Upper

152 100

150 159.3 122.6 183.8

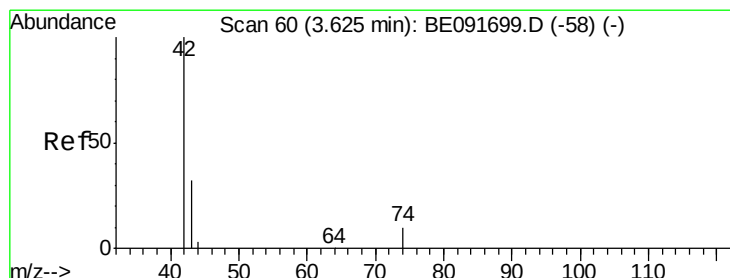
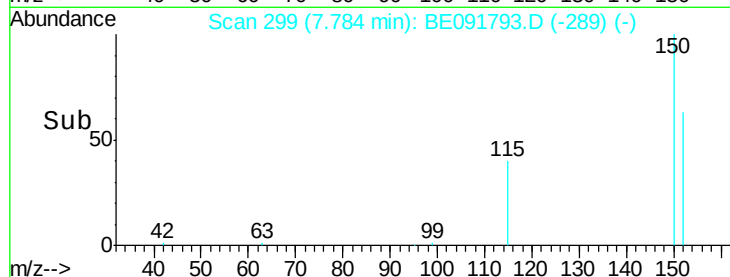
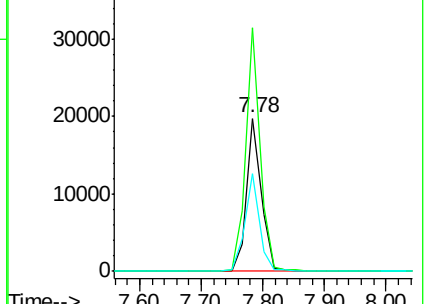
115 63.6 52.8 79.2



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: 3.61 min Scan# 59

Delta R.T. -0.01 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

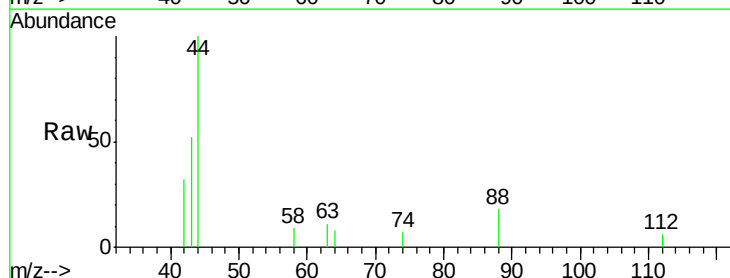
Tgt Ion: 42 Resp: 147

Ion Ratio Lower Upper

42 100

74 10.2 87.9 131.9#

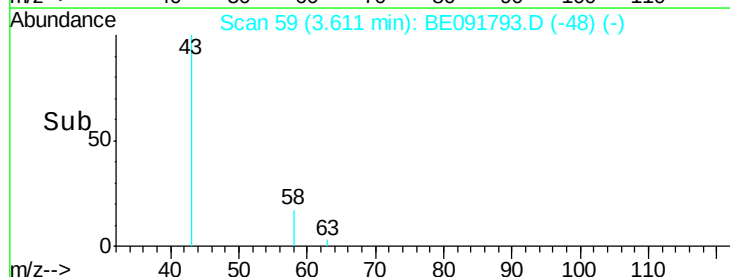
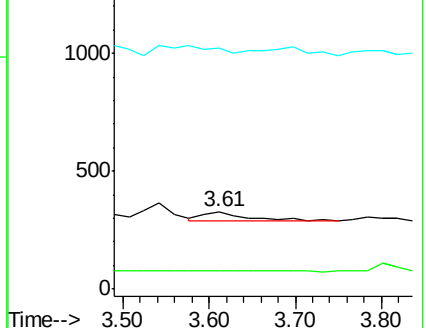
44 0.0 6.6 9.8#

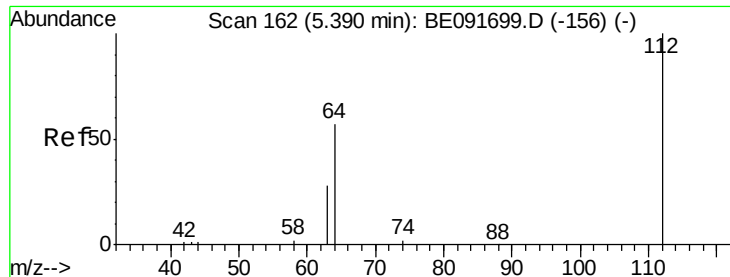


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

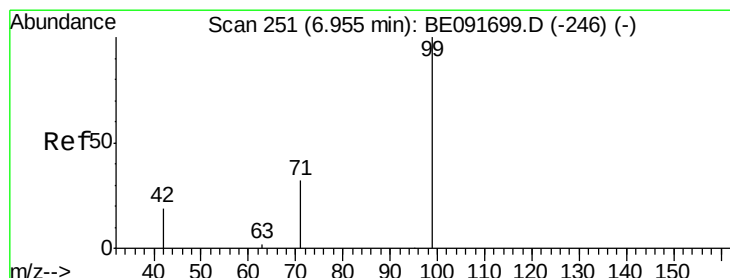
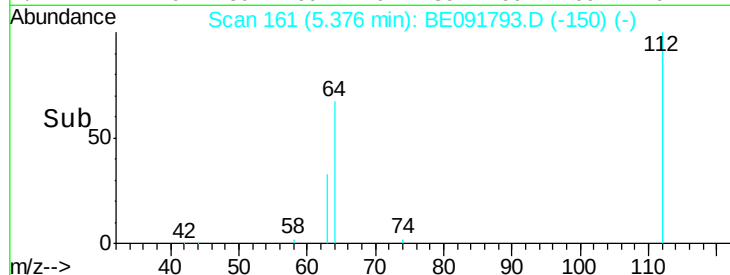
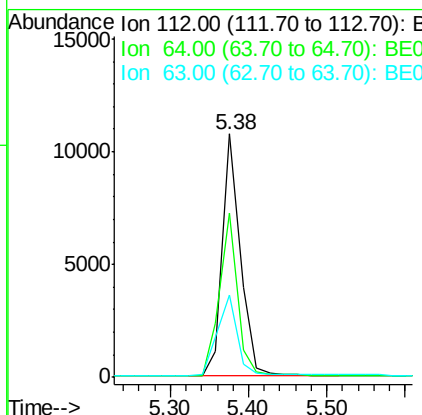
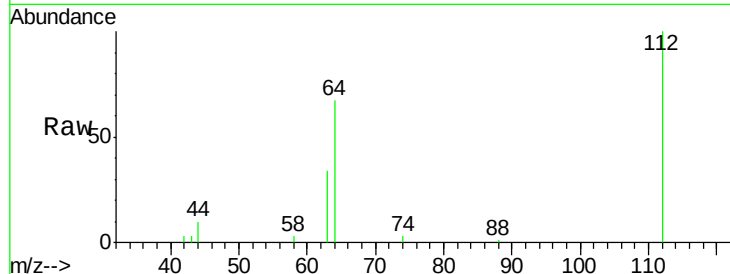




#4
 2-Fluorophenol
 Concen: 2.17 ng
 RT: 5.38 min Scan# 161
 Delta R.T. -0.01 min
 Lab File: BE091793.D
 Acq: 18 May 2016 17:51

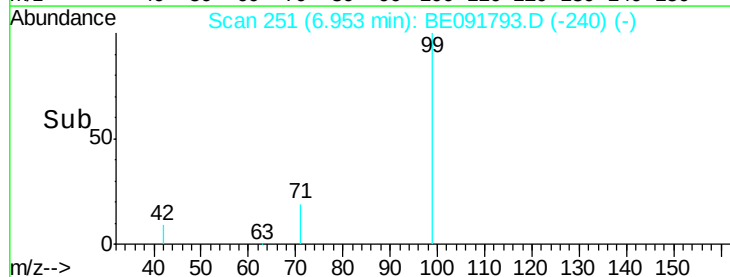
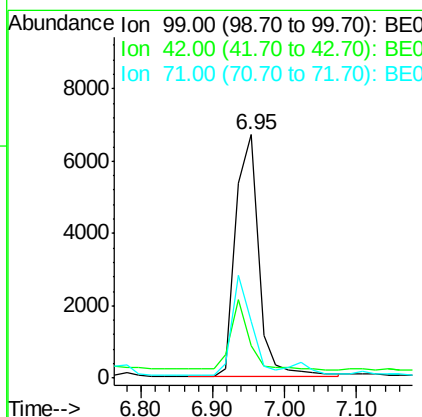
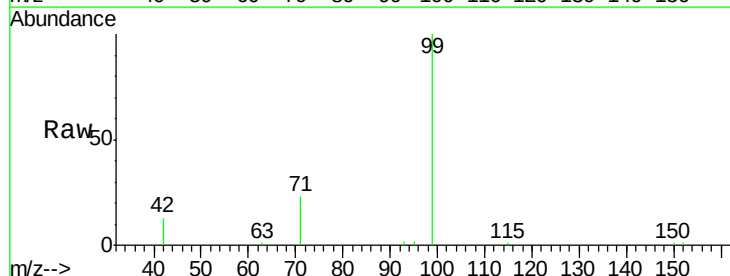
Instrument :
 BNA_E
 ClientSampleId :
 DUP-0343-160511

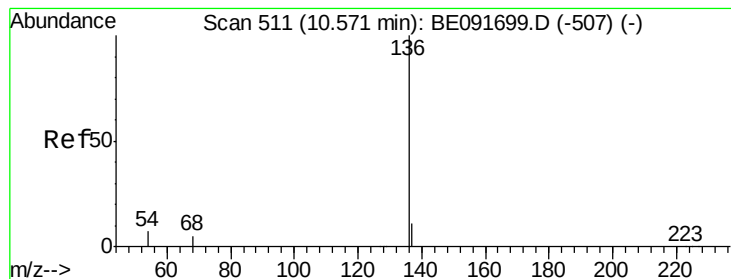
Tgt Ion:	112	Resp:	17106
Ion	Ratio	Lower	Upper
112	100		
64	67.2	30.9	46.3#
63	36.8	16.7	25.1#



#5
 Phenol-d6
 Concen: 1.41 ng
 RT: 6.95 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: BE091793.D
 Acq: 18 May 2016 17:51

Tgt Ion:	99	Resp:	14736
Ion	Ratio	Lower	Upper
99	100		
42	22.9	16.2	24.2
71	34.7	29.0	43.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

Tgt Ion: 136 Resp: 163539

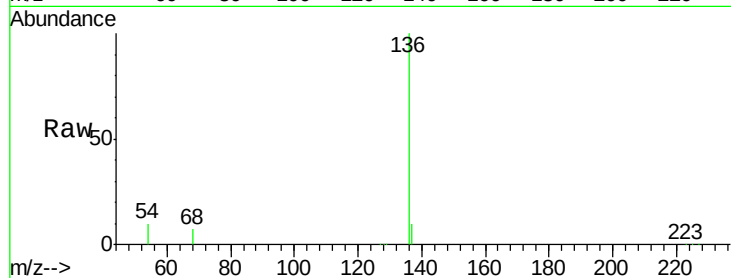
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 10.3 8.2 12.4

68 7.4 6.2 9.4

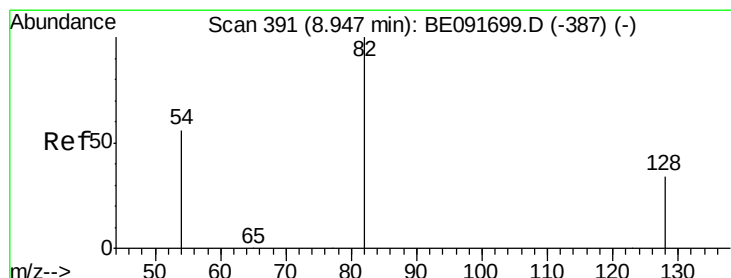
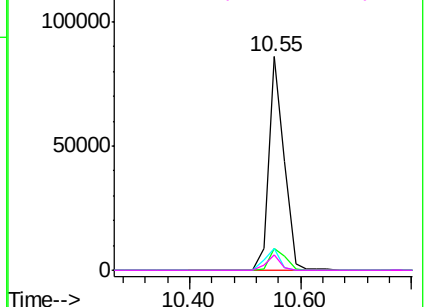
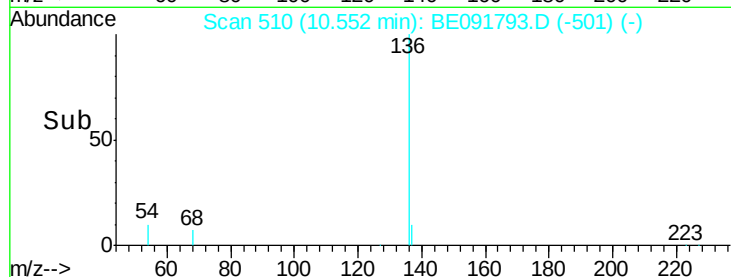


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.46 ng

RT: 8.93 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

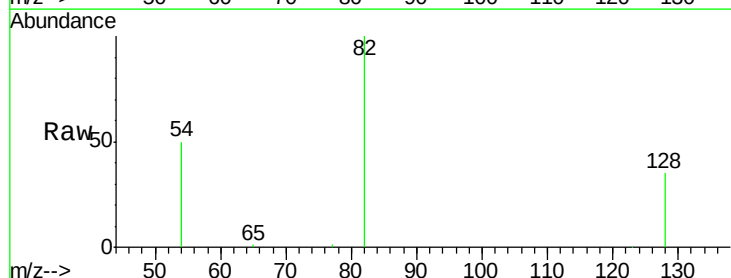
Tgt Ion: 82 Resp: 36552

Ion Ratio Lower Upper

82 100

128 35.3 25.4 38.0

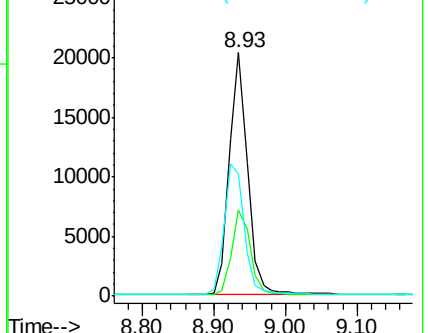
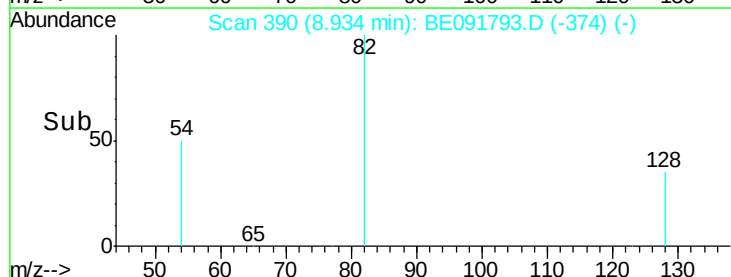
54 50.1 48.4 72.6

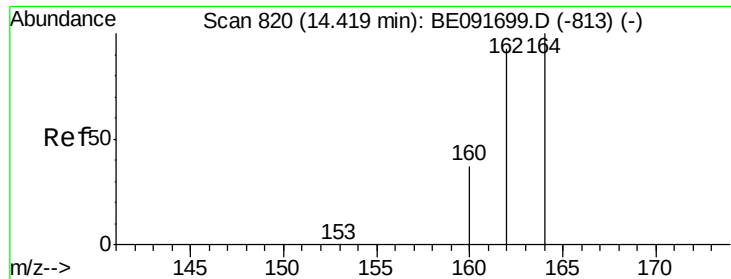


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 14.39 min Scan# 818

Delta R.T. -0.03 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

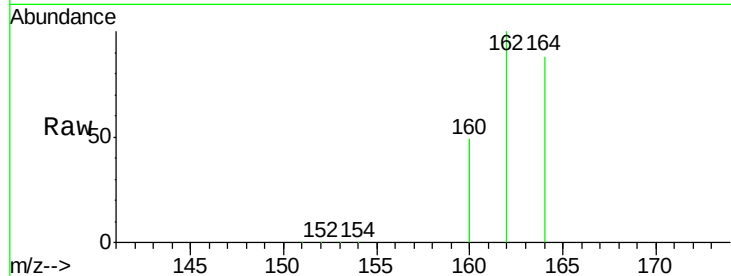
Tgt Ion:164 Resp: 106010

Ion Ratio Lower Upper

164 100

162 113.6 85.3 127.9

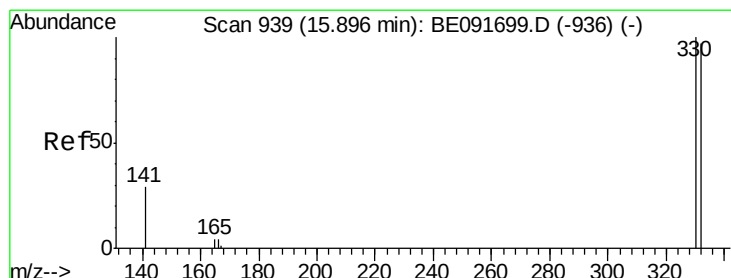
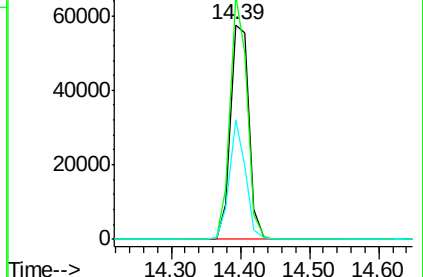
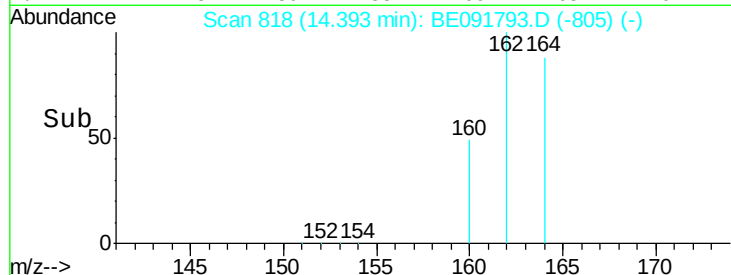
160 55.5 46.2 69.2



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: 8.01 ng

RT: 15.87 min Scan# 937

Delta R.T. -0.02 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

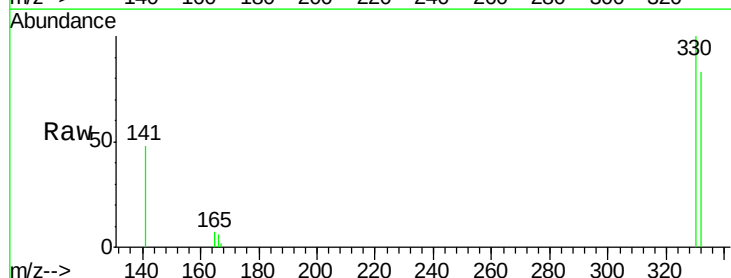
Tgt Ion:330 Resp: 31626

Ion Ratio Lower Upper

330 100

332 96.1 79.1 118.7

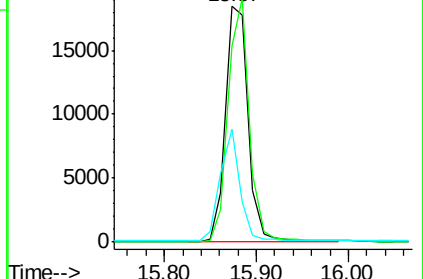
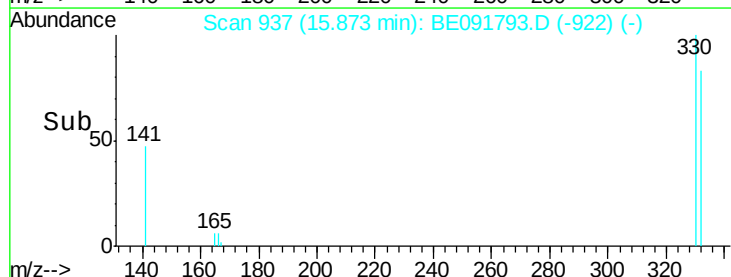
141 40.8 125.4 188.0#

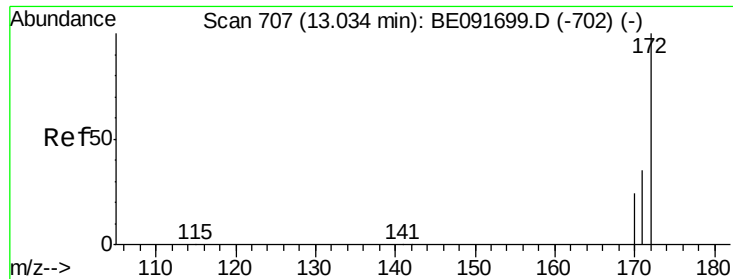


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

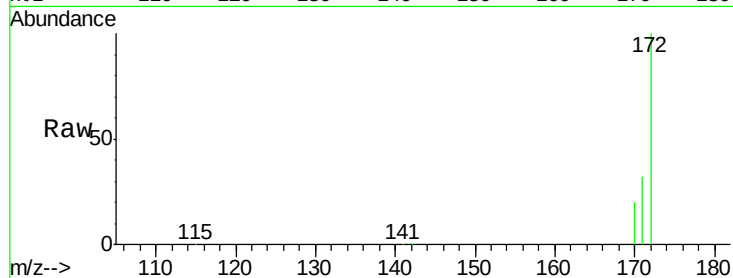




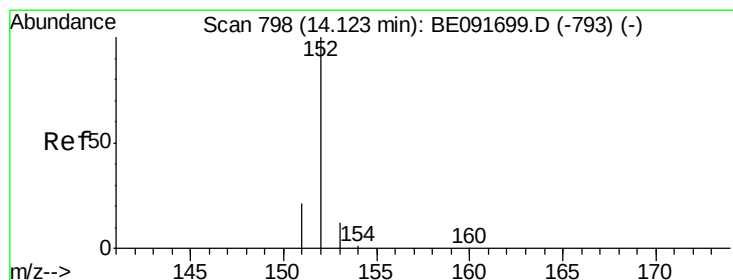
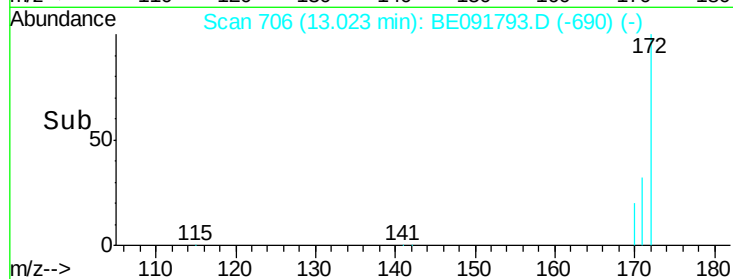
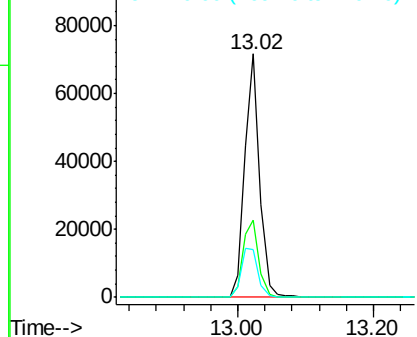
#15
2-Fluorobiphenyl
Concen: 3.61 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091793.D
Acq: 18 May 2016 17:51

Instrument :
BNA_E
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DUP-0343-160511

Tgt Ion:172 Resp: 108109
Ion Ratio Lower Upper
172 100
171 31.9 28.8 43.2
170 19.8 19.3 28.9

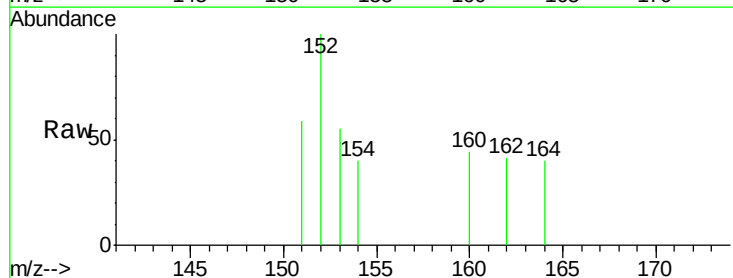


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

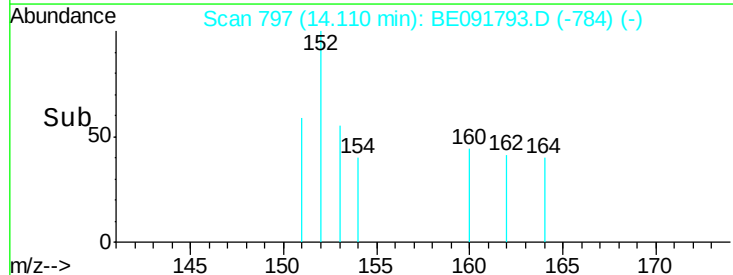
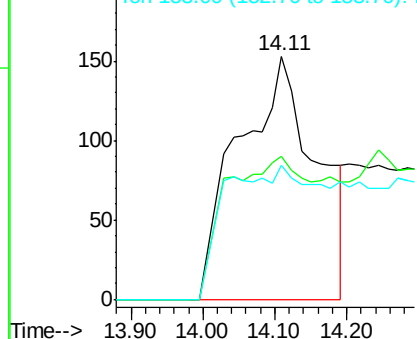


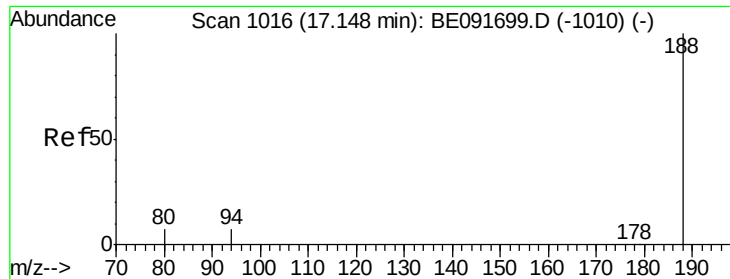
#16
Acenaphthylene
Concen: 0.03 ng
RT: 14.11 min Scan# 797
Delta R.T. -0.01 min
Lab File: BE091793.D
Acq: 18 May 2016 17:51

Tgt Ion:152 Resp: 1198
Ion Ratio Lower Upper
152 100
151 60.3 3.9 5.9#
153 0.0 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

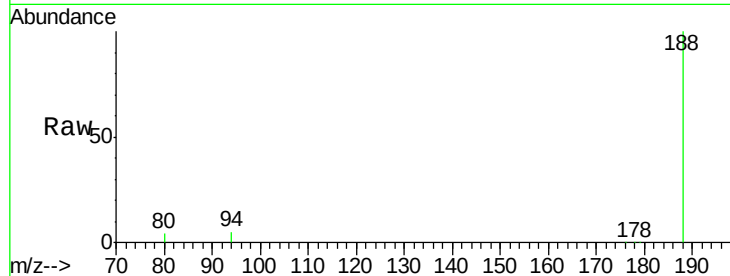
Tgt Ion:188 Resp: 303145

Ion Ratio Lower Upper

188 100

94 4.7 8.7 13.1#

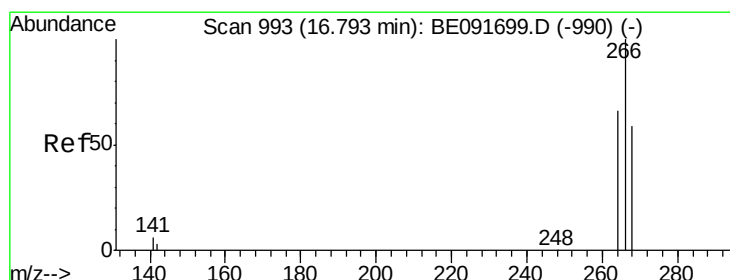
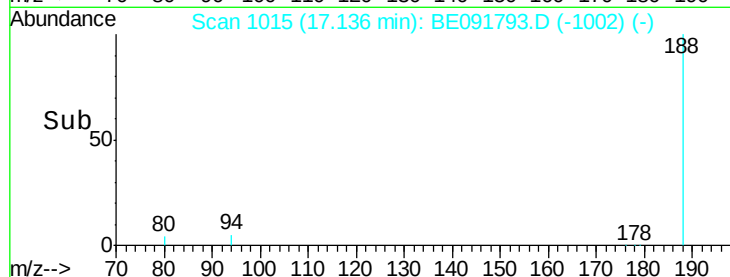
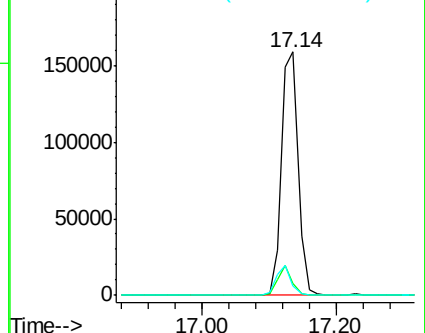
80 3.9 9.4 14.0#



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: 0.16 ng

RT: 16.78 min Scan# 992

Delta R.T. -0.02 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

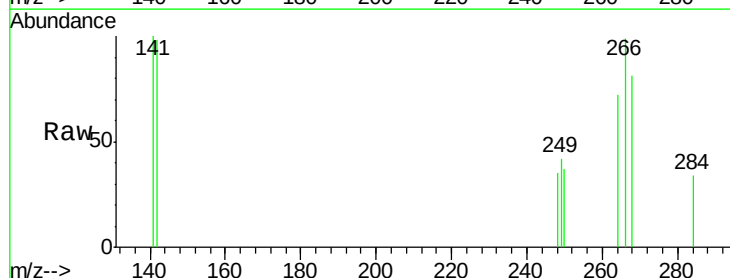
Tgt Ion:266 Resp: 408

Ion Ratio Lower Upper

266 100

268 81.8 58.2 87.2

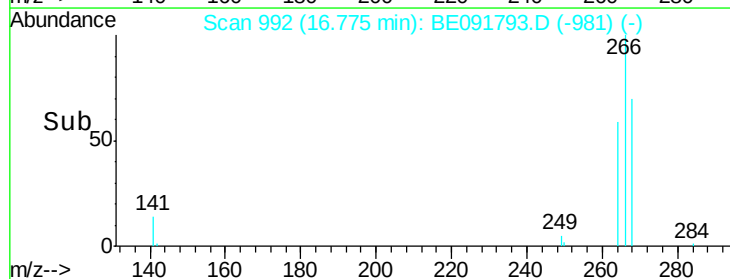
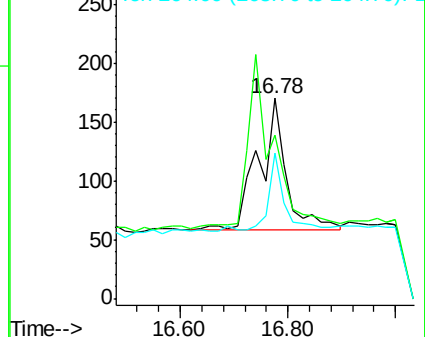
264 72.4 56.2 84.4

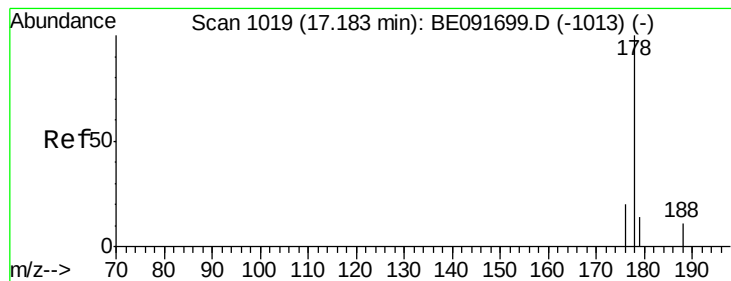


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.04 ng

RT: 17.17 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE091793.D

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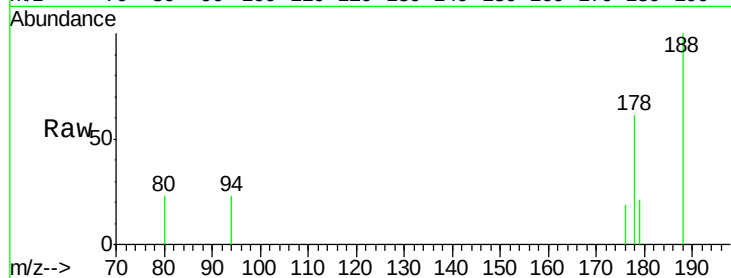
Tgt Ion:178 Resp: 2628

Ion Ratio Lower Upper

178 100

176 16.1 15.3 22.9

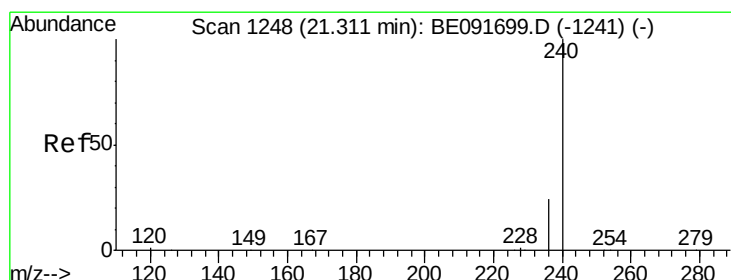
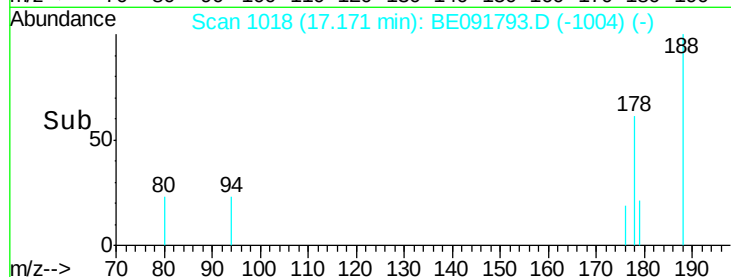
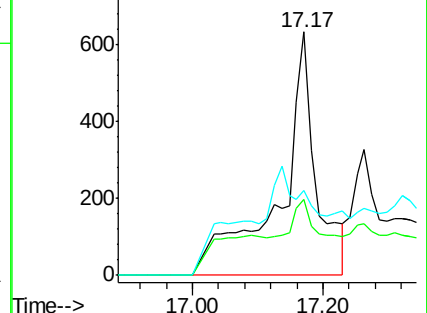
179 0.0 12.6 18.8#



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

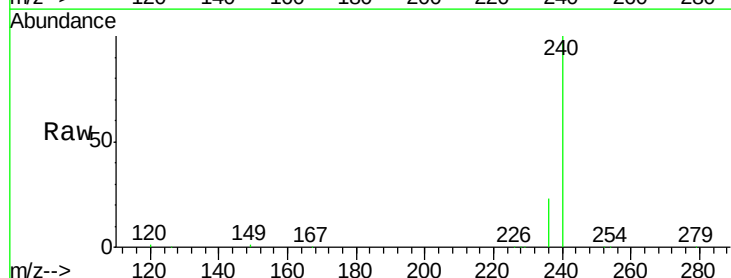
Tgt Ion:240 Resp: 322530

Ion Ratio Lower Upper

240 100

120 1.2 11.0 16.4#

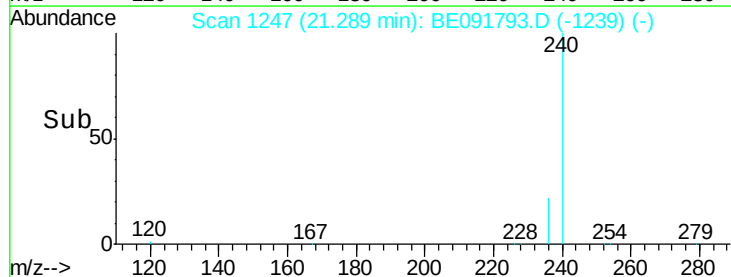
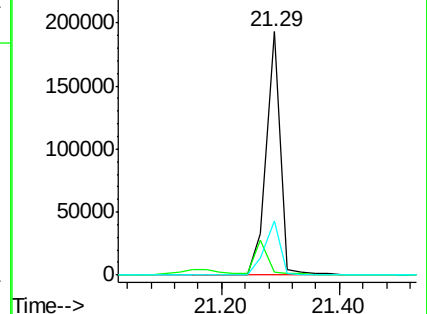
236 22.5 21.7 32.5

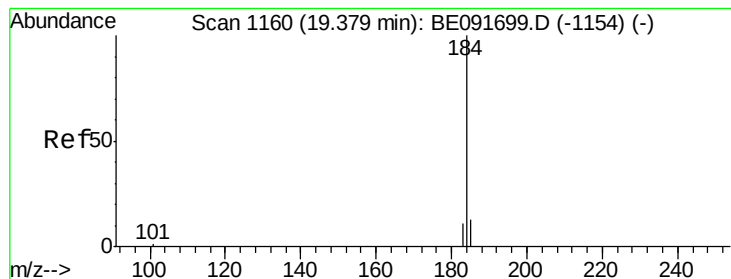


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.31 ng

RT: 19.72 min Scan# 1178

Delta R.T. 0.35 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

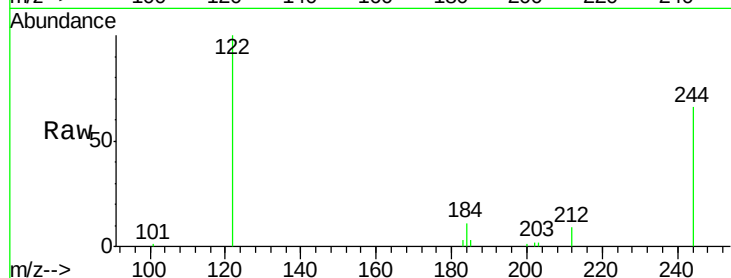
Tgt Ion:184 Resp: 3875

Ion Ratio Lower Upper

184 100

185 24.8 22.3 33.5

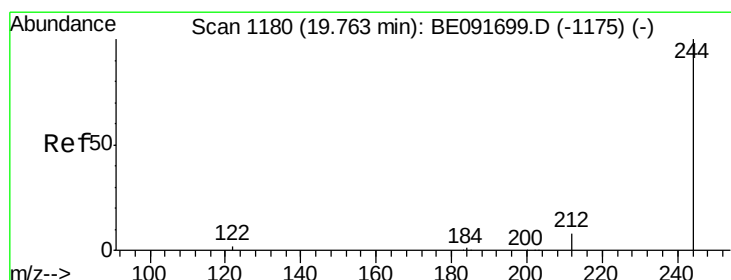
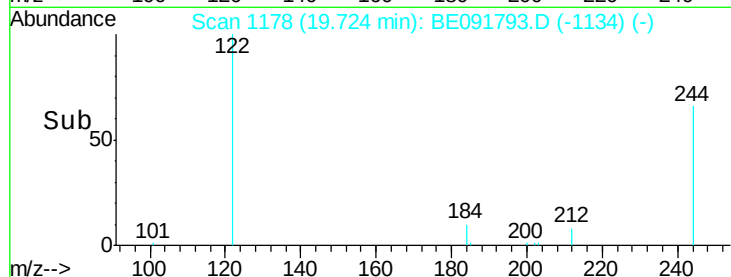
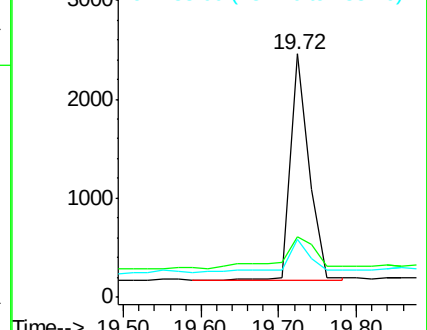
183 23.8 16.4 24.6



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: 4.94 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

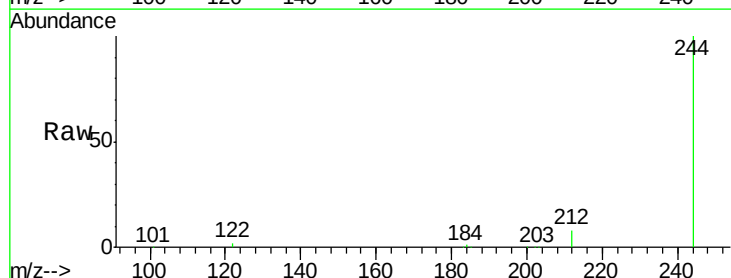
Tgt Ion:244 Resp: 248413

Ion Ratio Lower Upper

244 100

212 7.5 6.9 10.3

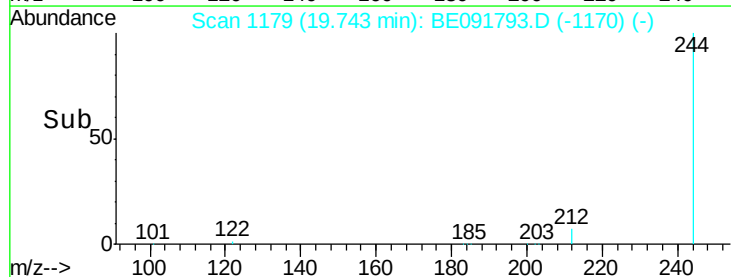
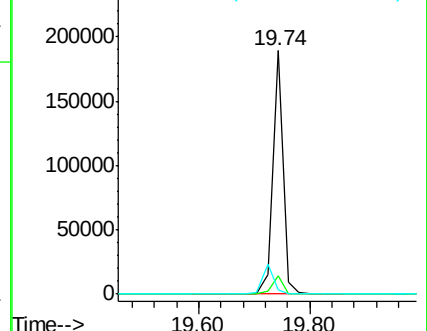
122 1.6 11.0 16.4#

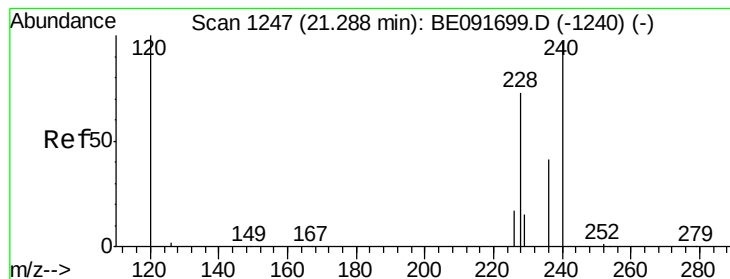


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.27 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

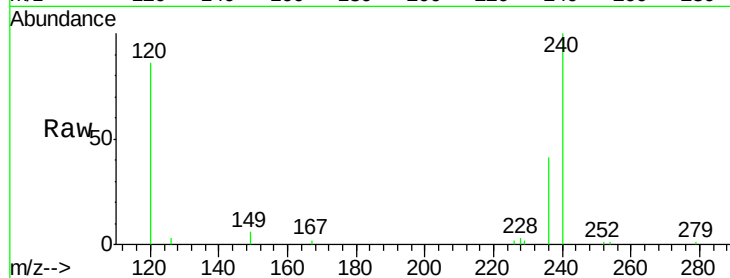
Tgt Ion:228 Resp: 2564

Ion Ratio Lower Upper

228 100

226 56.5 21.0 31.4#

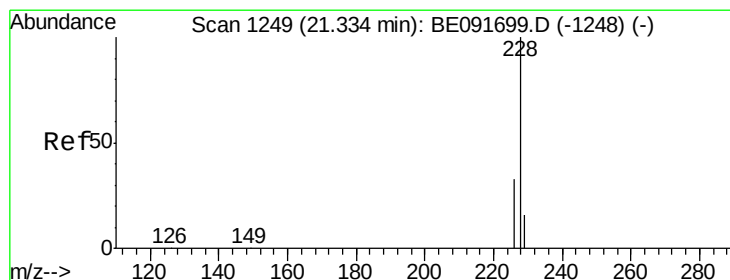
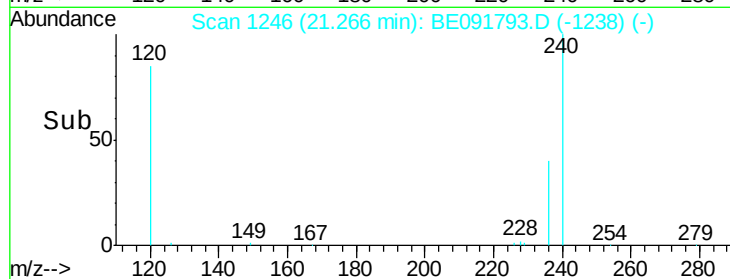
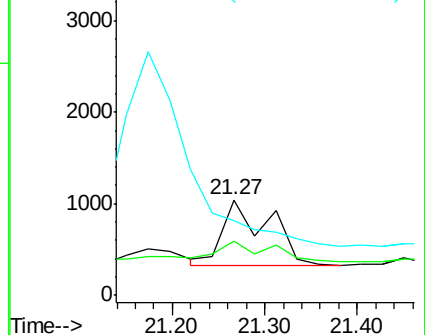
229 78.0 15.7 23.5#



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: 0.03 ng

RT: 21.27 min Scan# 1246

Delta R.T. -0.07 min

Lab File: BE091793.D

Acq: 18 May 2016 17:51

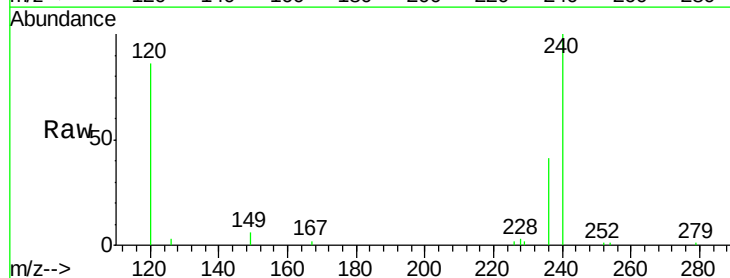
Tgt Ion:228 Resp: 2559

Ion Ratio Lower Upper

228 100

226 56.5 24.0 36.0#

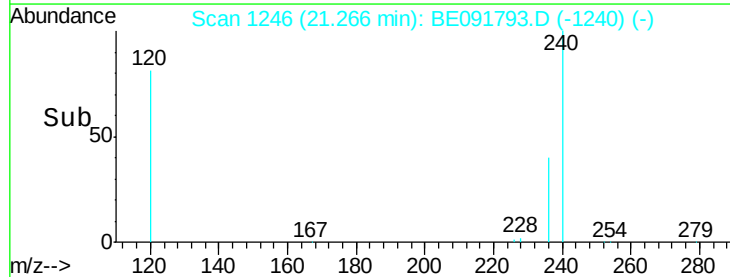
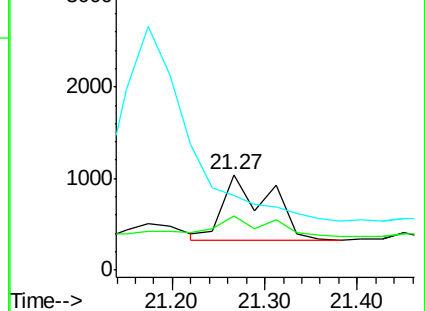
229 78.0 15.9 23.9#

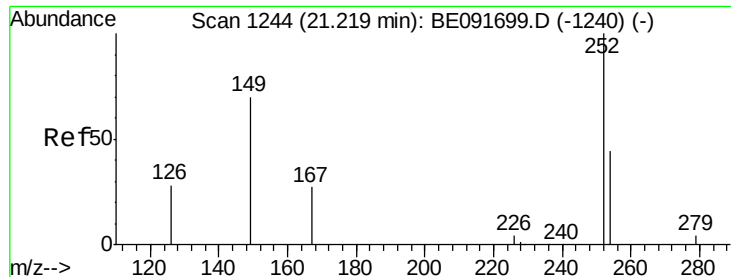


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

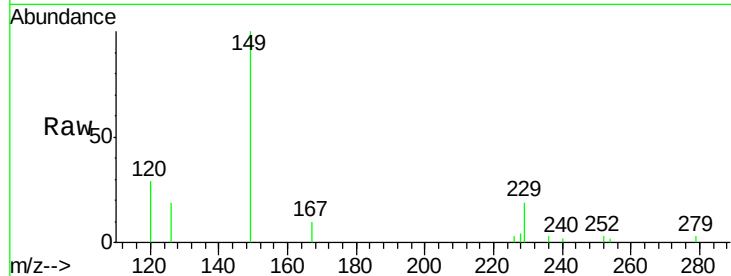




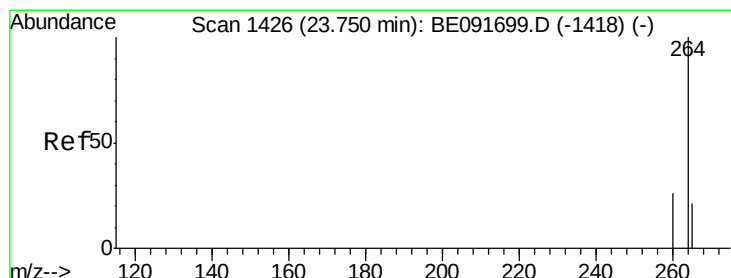
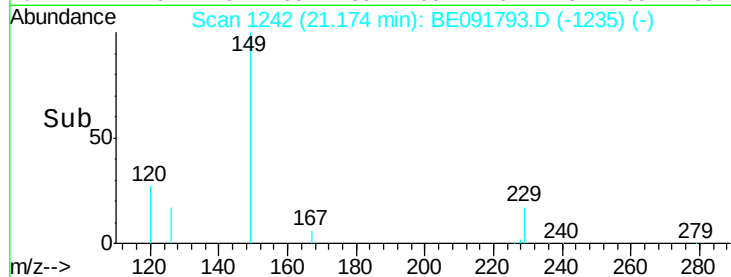
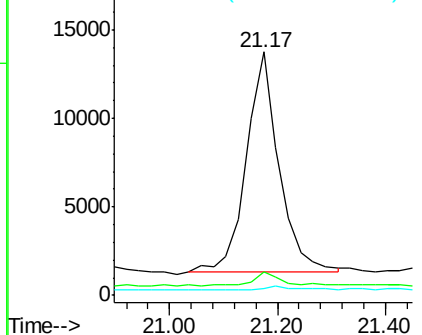
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 2.21 ng
 RT: 21.17 min Scan# 1242
 Delta R.T. -0.05 min
 Lab File: BE091793.D
 Acq: 18 May 2016 17:51

Instrument :
 BNA_E
 ClientSampleId :
 DUP-0343-160511

Tgt Ion:149 Resp: 52644
 Ion Ratio Lower Upper
 149 100
 167 4.8 19.5 29.3#
 279 0.0 10.0 15.0#

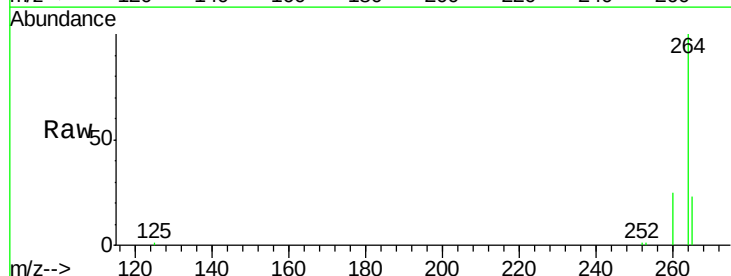


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 1423
 Delta R.T. -0.03 min
 Lab File: BE091793.D
 Acq: 18 May 2016 17:51

Tgt Ion:264 Resp: 303504
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.0 30.0
 265 22.9 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

