

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
 Data File : BE091537.D
 Acq On : 28 Mar 2016 13:28
 Operator : UM/SJ
 Sample : PB88877BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB88877BL

Quant Time: Mar 29 01:06:14 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 19:00:32 2016
 Response via : Initial Calibration

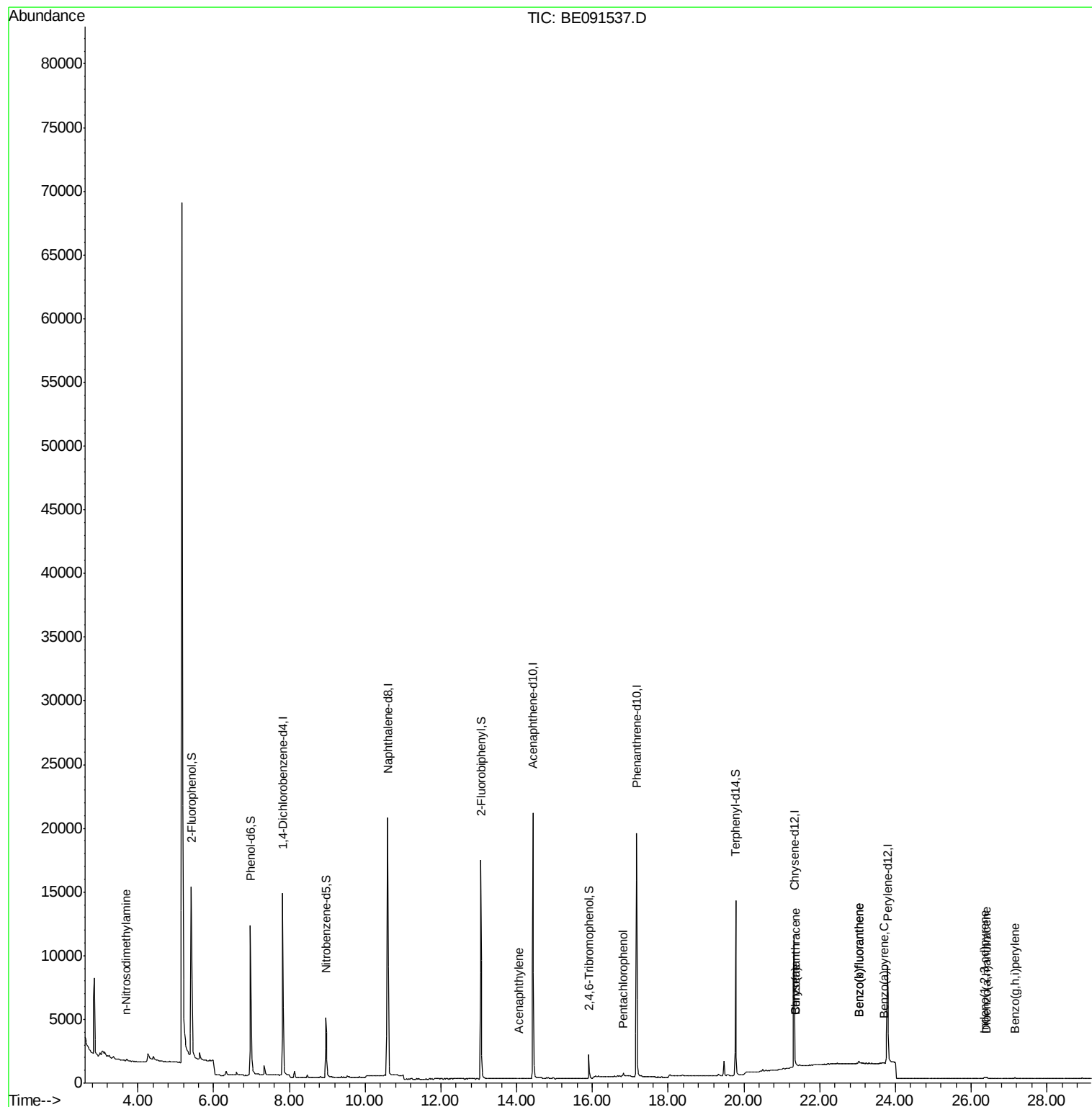
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	7470	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	30226	5.00	ng	0.00
10) Acenaphthene-d10	14.43	164	12695	5.00	ng	-0.01
16) Phenanthrene-d10	17.17	188	26713	5.00	ng	0.00
22) Chrysene-d12	21.33	240	17912	5.00	ng	0.00
28) Perylene-d12	23.78	264	12711	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	11824	8.12	ng	-0.02
5) Phenol-d6	6.97	99	14478	7.29	ng	-0.02
7) Nitrobenzene-d5	8.97	82	4816	3.67	ng	-0.01
11) 2,4,6-Tribromophenol	15.91	330	1968	9.11	ng	-0.01
12) 2-Fluorobiphenyl	13.06	172	17072	4.77	ng	-0.01
24) Terphenyl-d14	19.78	244	16317	5.54	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.69	42	85	0.17	ng	# 4
13) Acenaphthylene	14.06	152	384	0.09	ng	# 60
18) Pentachlorophenol	16.81	266	268	0.95	ng	# 85
25) Benzo(a)anthracene	21.36	228	206	0.05	ng	# 14
26) Chrysene	21.36	228	192	0.04	ng	# 12
27) Indeno(1,2,3-cd)pyrene	26.36	276	198	0.05	ng	93
29) Benzo(b)fluoranthene	23.03	252	534	0.19	ng	# 1
30) Benzo(k)fluoranthene	23.03	252	567	0.20	ng	# 1
31) Benzo(a)pyrene	23.69	252	80	0.23	ng	# 1
32) Dibenzo(a,h)anthracene	26.40	278	80	0.03	ng	# 1
33) Benzo(g,h,i)perylene	27.15	276	72	0.03	ng	# 1

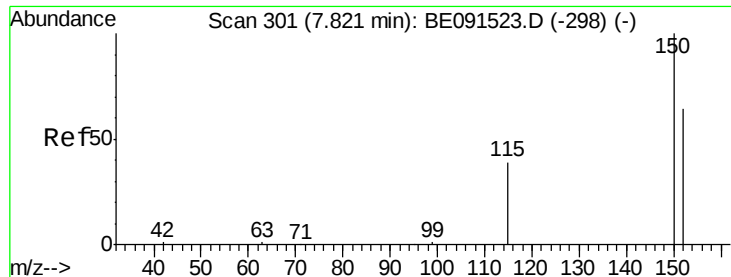
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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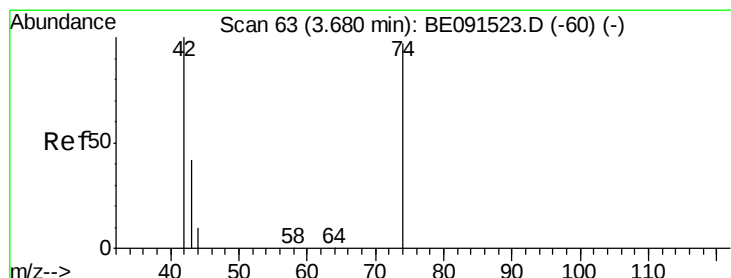
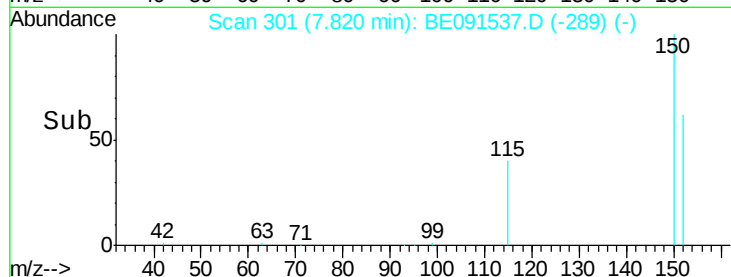
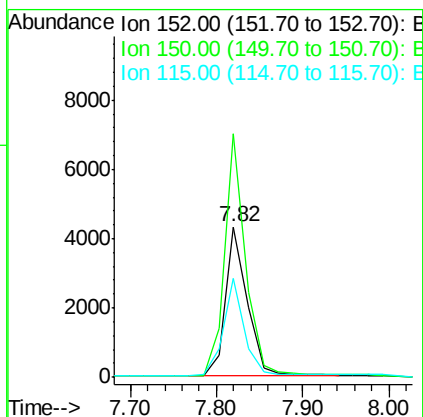
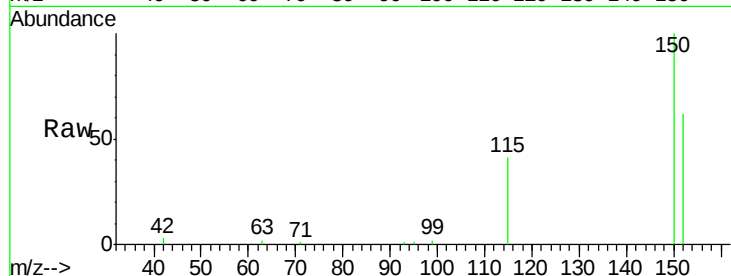


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091537.D
Acq: 28 Mar 2016 13:28

Instrument :
BNA_E
ClientSampleId :
PB88877BL

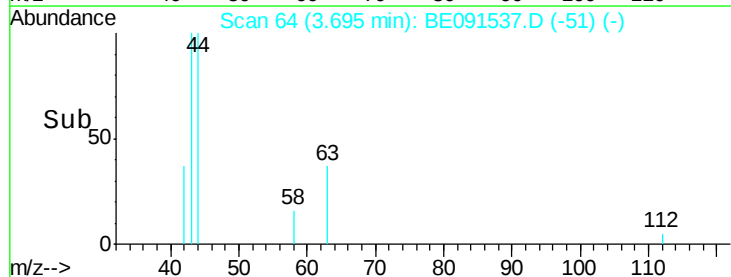
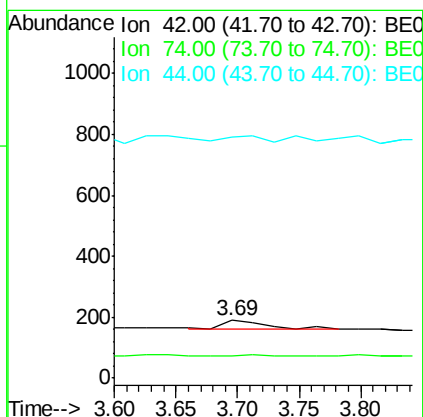
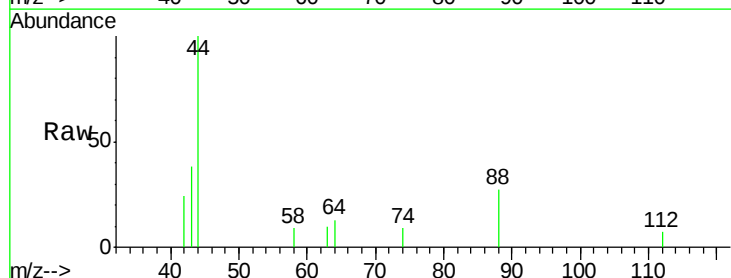
Tgt Ion:152 Resp: 7470
Ion Ratio Lower Upper
152 100
150 161.5 122.2 183.2
115 65.5 45.9 68.9

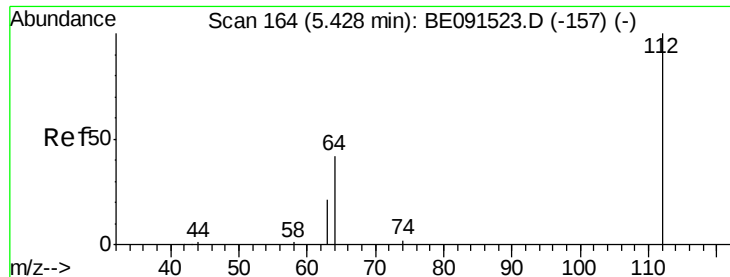


#3

n-Nitrosodimethylamine
Concen: 0.17 ng
RT: 3.69 min Scan# 64
Delta R.T. 0.02 min
Lab File: BE091537.D
Acq: 28 Mar 2016 13:28

Tgt Ion: 42 Resp: 85
Ion Ratio Lower Upper
42 100
74 8.2 84.3 126.5#
44 49.4 6.7 10.1#

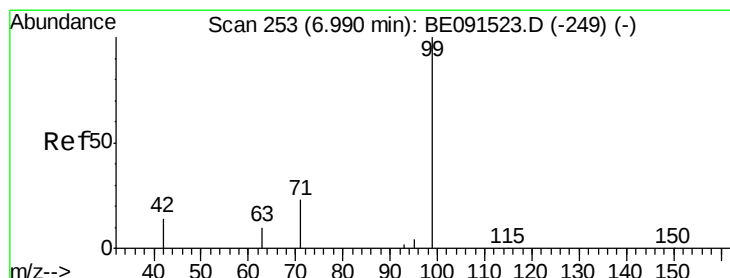
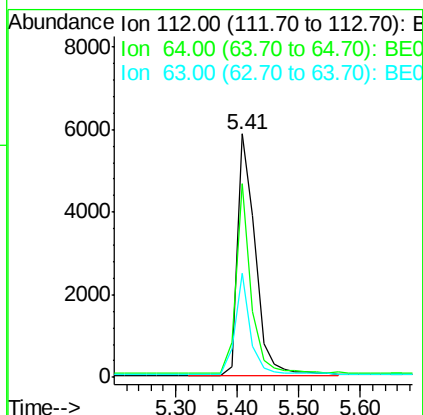
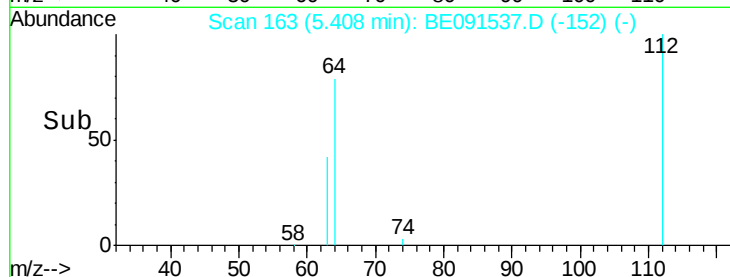
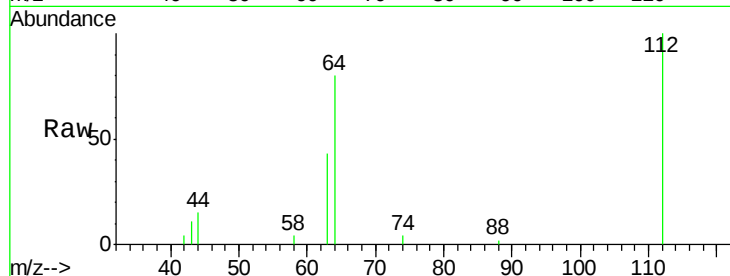




#4
 2-Fluorophenol
 Concen: 8.12 ng
 RT: 5.41 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: BE091537.D
 Acq: 28 Mar 2016 13:28

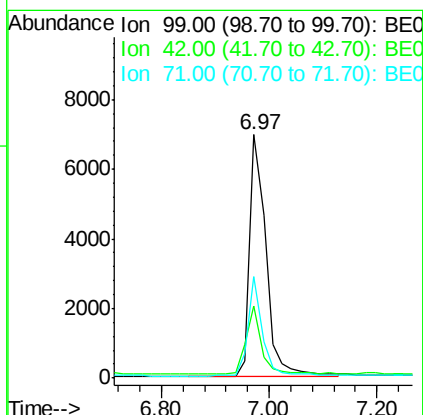
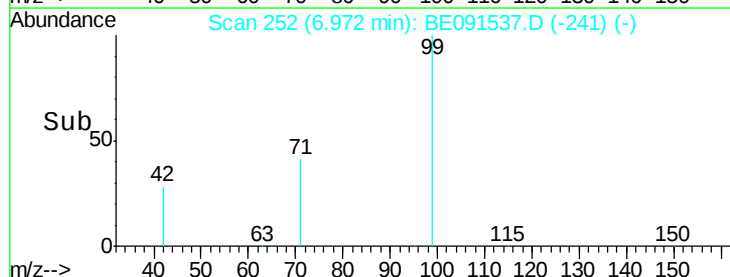
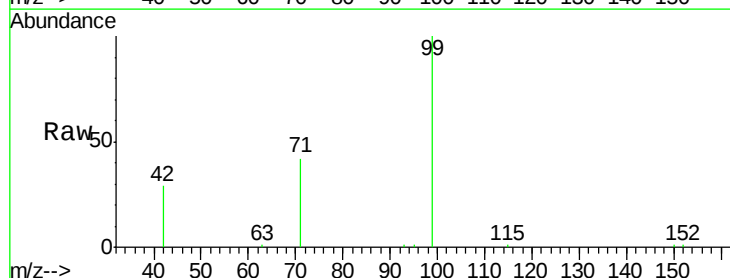
Instrument :
 BNA_E
 ClientSampleId :
 PB88877BL

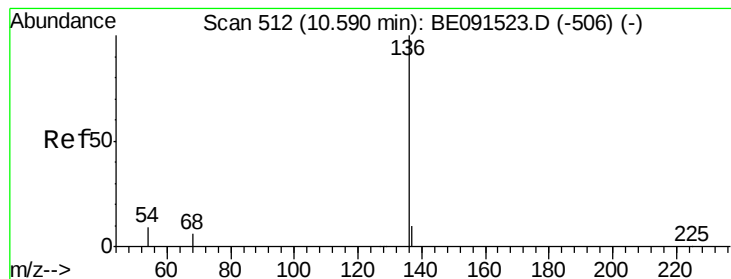
Tgt Ion: 112 Resp: 11824
 Ion Ratio Lower Upper
 112 100
 64 66.7 53.3 79.9
 63 36.7 29.8 44.8



#5
 Phenol-d6
 Concen: 7.29 ng
 RT: 6.97 min Scan# 252
 Delta R.T. -0.02 min
 Lab File: BE091537.D
 Acq: 28 Mar 2016 13:28

Tgt Ion: 99 Resp: 14478
 Ion Ratio Lower Upper
 99 100
 42 26.3 20.6 30.8
 71 36.6 29.0 43.4





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.59 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE091537.D

Acq: 28 Mar 2016 13:28

Instrument :

BNA_E

ClientSampleId :

PB8877BL

Tgt Ion:136 Resp: 30226

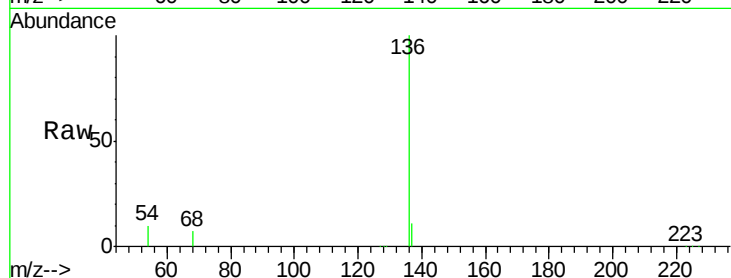
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 9.5 5.2 7.8#

68 6.9 4.1 6.1#

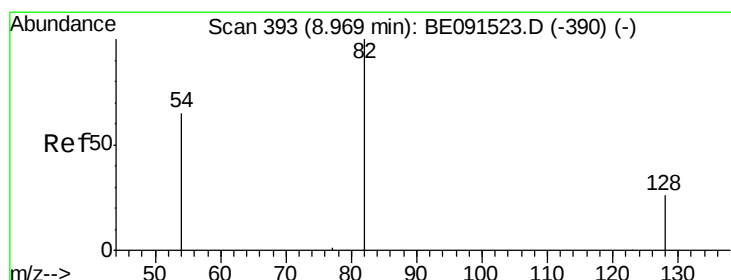
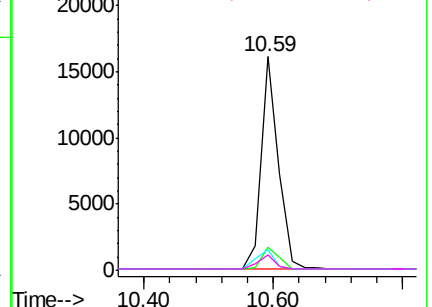
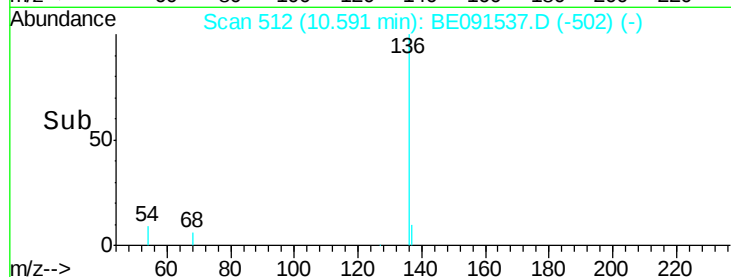


Abundance Ion 136.00 (135.70 to 136.70): E

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



#7

Nitrobenzene-d5

Concen: 3.67 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE091537.D

Acq: 28 Mar 2016 13:28

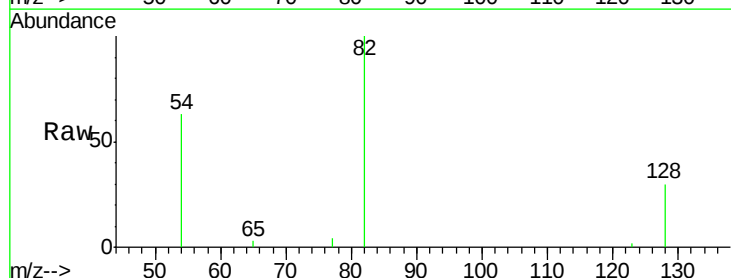
Tgt Ion: 82 Resp: 4816

Ion Ratio Lower Upper

82 100

128 29.8 23.5 35.3

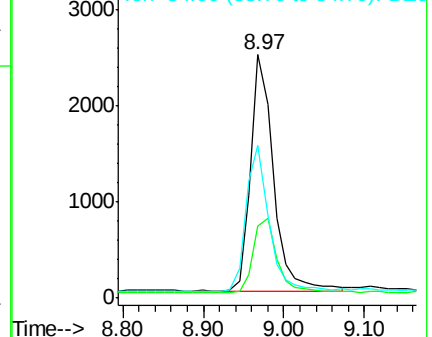
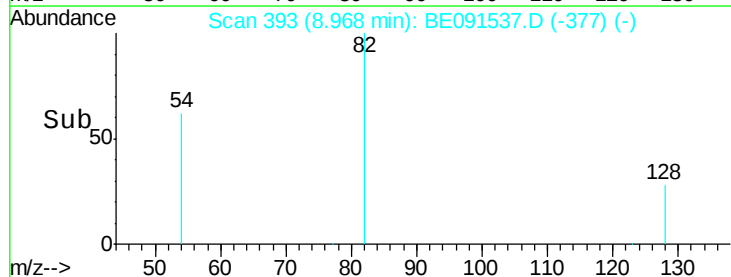
54 62.7 52.4 78.6

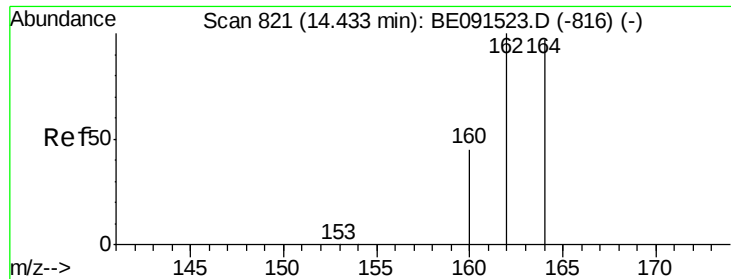


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

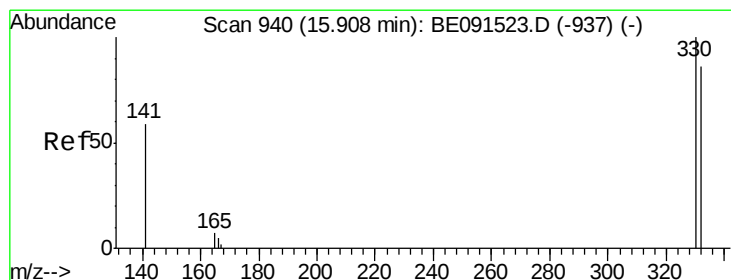
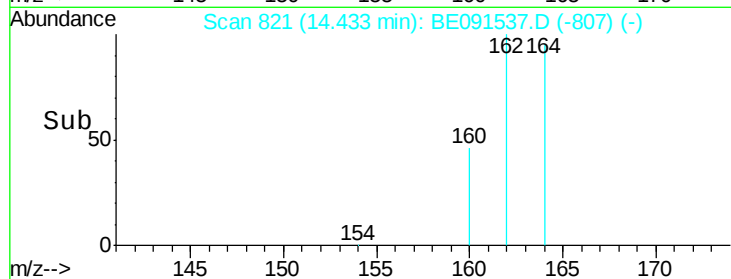
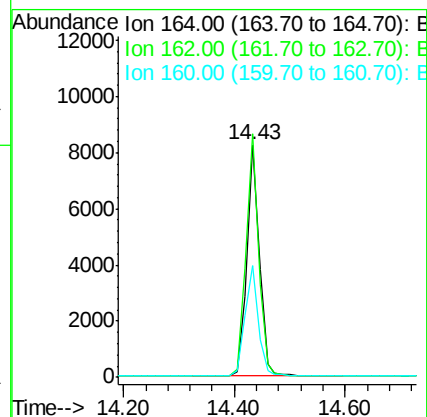
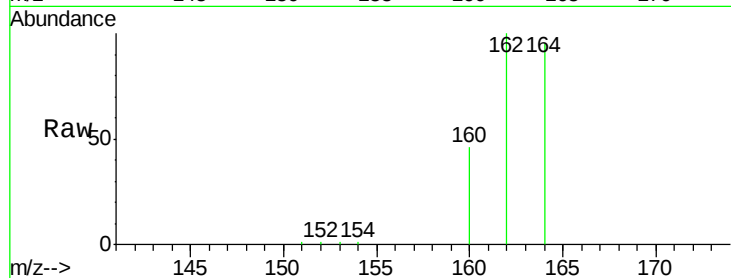




#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.43 min Scan# 821
Delta R.T. -0.01 min
Lab File: BE091537.D
Acq: 28 Mar 2016 13:28

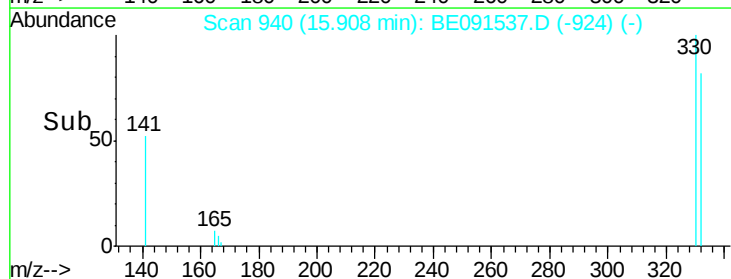
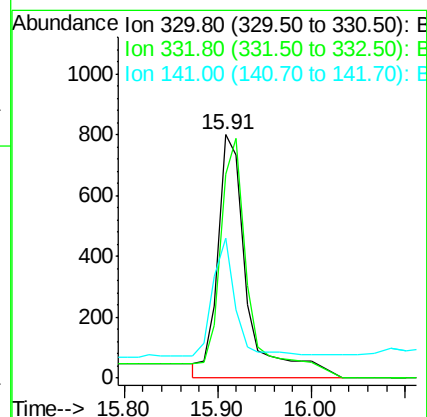
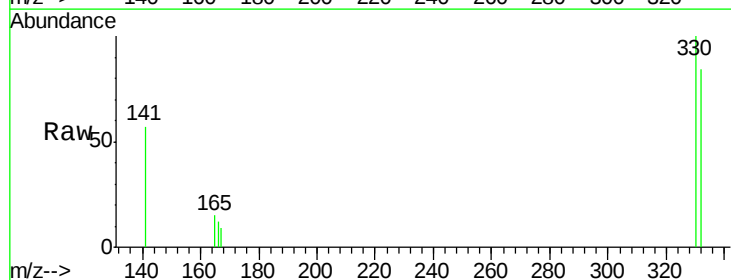
Instrument :
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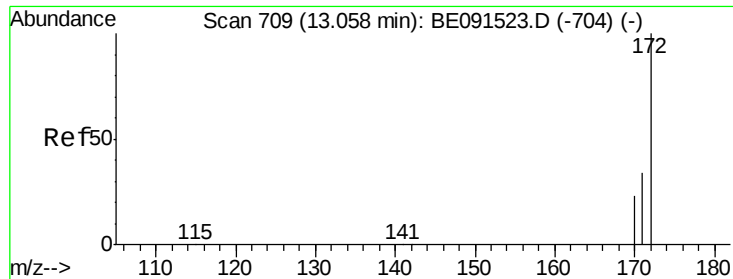
Tgt Ion:164 Resp: 12695
Ion Ratio Lower Upper
164 100
162 104.8 84.4 126.6
160 48.3 37.7 56.5



#11
2,4,6-Tribromophenol
Concen: 9.11 ng
RT: 15.91 min Scan# 940
Delta R.T. -0.01 min
Lab File: BE091537.D
Acq: 28 Mar 2016 13:28

Tgt Ion:330 Resp: 1968
Ion Ratio Lower Upper
330 100
332 96.8 79.2 118.8
141 33.2 28.1 42.1

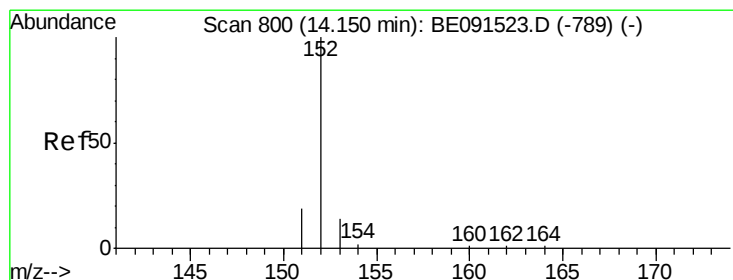
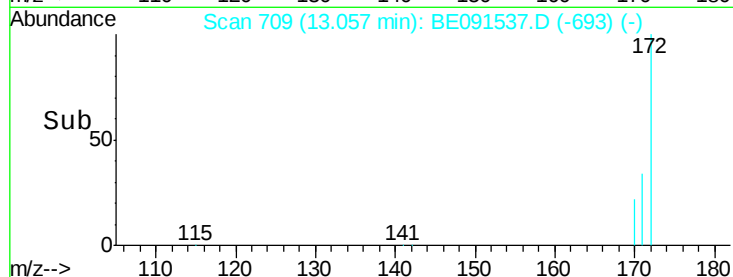
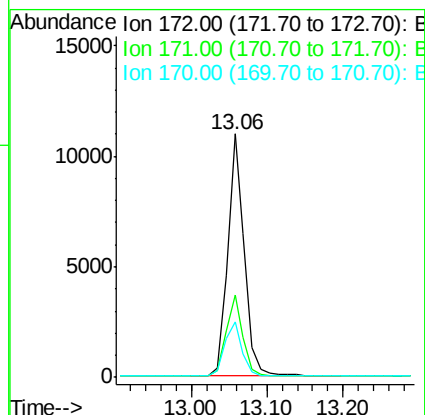
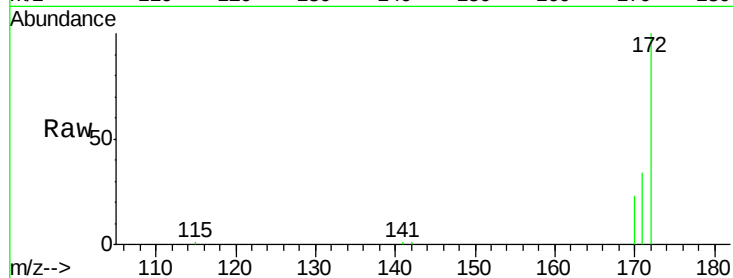




#12
2-Fluorobiphenyl
Concen: 4.77 ng
RT: 13.06 min Scan# 709
Delta R.T. -0.01 min
Lab File: BE091537.D
Acq: 28 Mar 2016 13:28

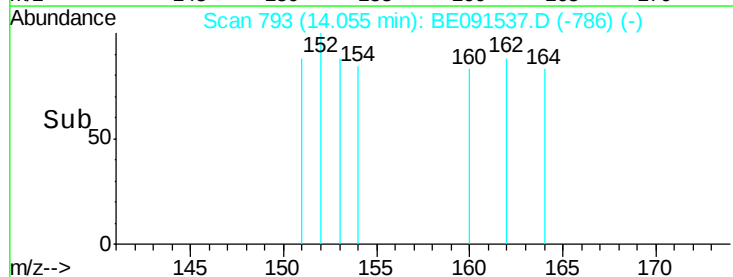
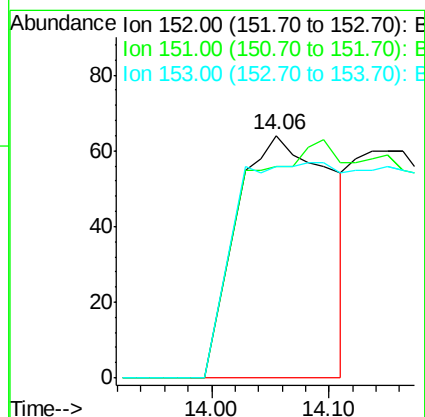
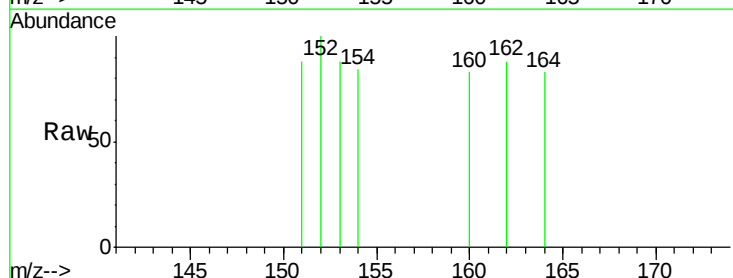
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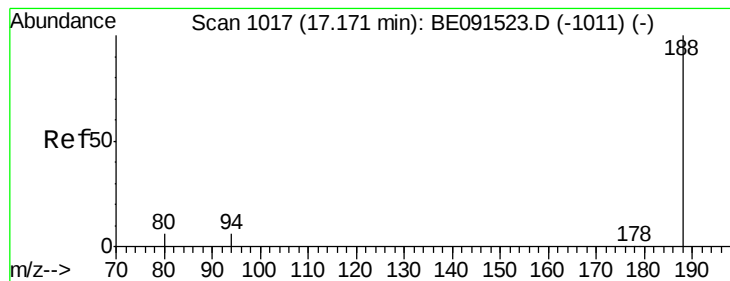
Tgt Ion:172 Resp: 17072
Ion Ratio Lower Upper
172 100
171 34.0 29.8 44.8
170 22.8 21.4 32.2



#13
Acenaphthylene
Concen: 0.09 ng
RT: 14.06 min Scan# 793
Delta R.T. -0.09 min
Lab File: BE091537.D
Acq: 28 Mar 2016 13:28

Tgt Ion:152 Resp: 384
Ion Ratio Lower Upper
152 100
151 0.0 16.3 24.5#
153 0.0 11.1 16.7#

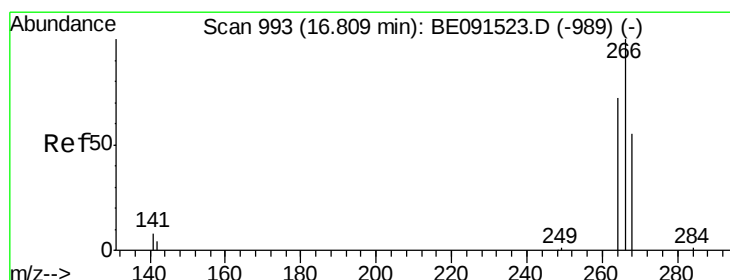
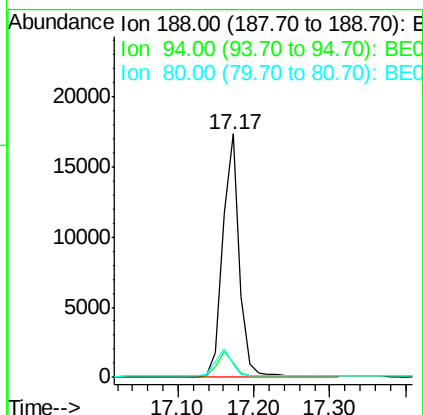
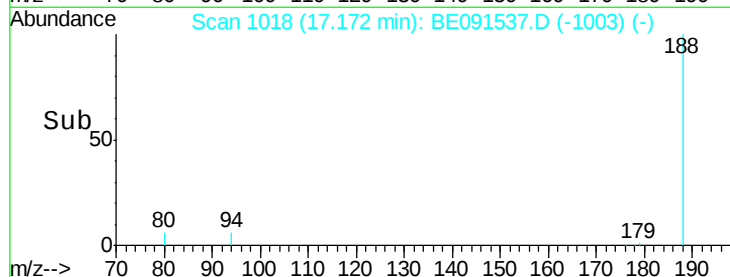
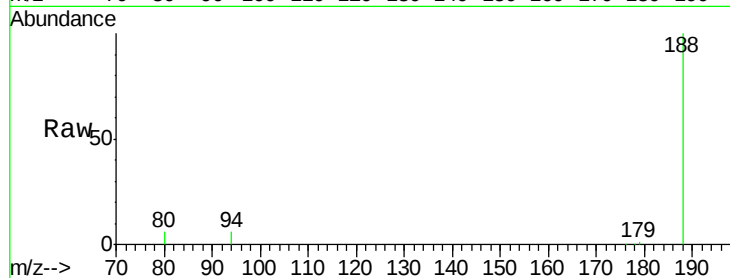




#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.17 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE091537.D
Acq: 28 Mar 2016 13:28

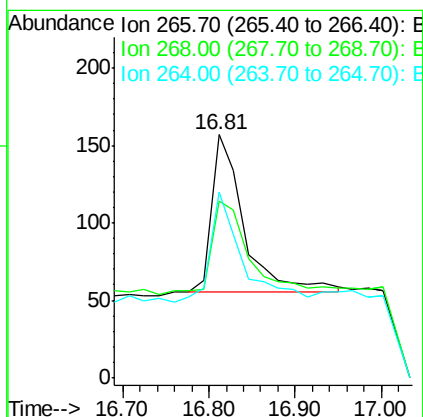
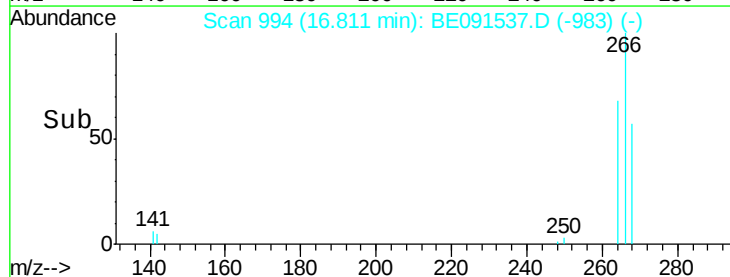
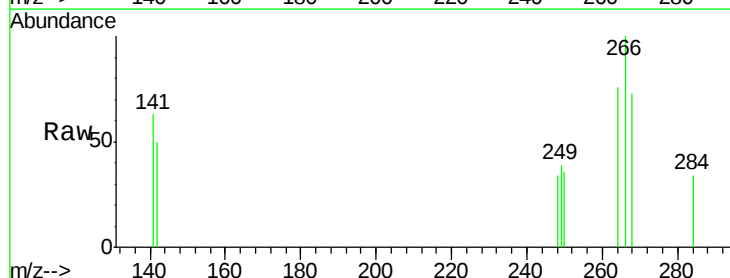
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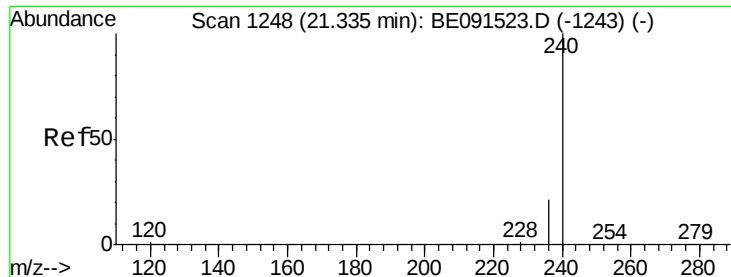
Tgt Ion:188 Resp: 26713
Ion Ratio Lower Upper
188 100
94 6.1 5.4 8.2
80 5.5 5.0 7.4



#18
Pentachlorophenol
Concen: 0.95 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.02 min
Lab File: BE091537.D
Acq: 28 Mar 2016 13:28

Tgt Ion:266 Resp: 268
Ion Ratio Lower Upper
266 100
268 72.6 48.2 72.2#
264 76.4 52.1 78.1





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.33 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BE091537.D

Acq: 28 Mar 2016 13:28

Instrument :

BNA_E

ClientSampleId :

PB8877BL

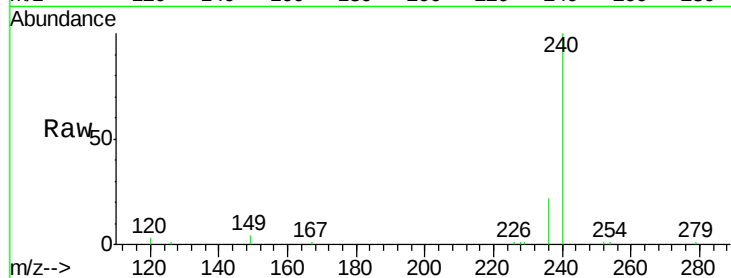
Tgt Ion:240 Resp: 17912

Ion Ratio Lower Upper

240 100

120 3.3 4.0 6.0#

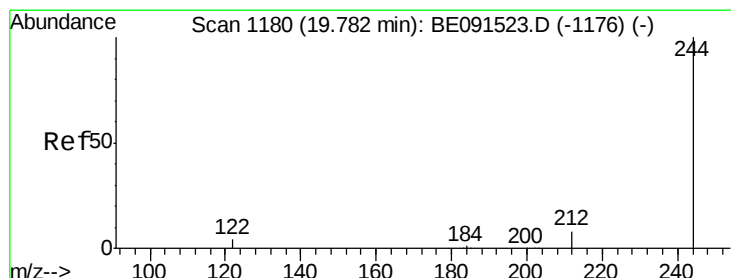
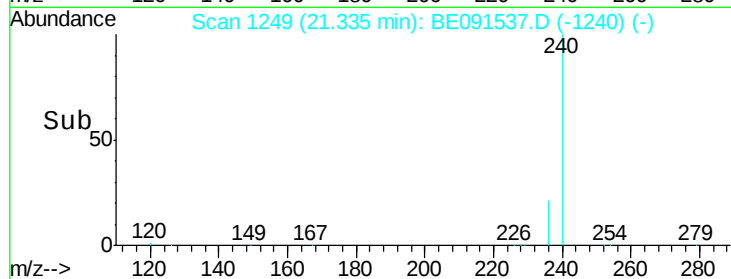
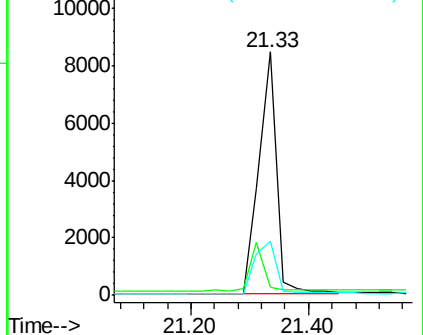
236 22.0 23.0 34.4#



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



#24

Terphenyl-d14

Concen: 5.54 ng

RT: 19.78 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE091537.D

Acq: 28 Mar 2016 13:28

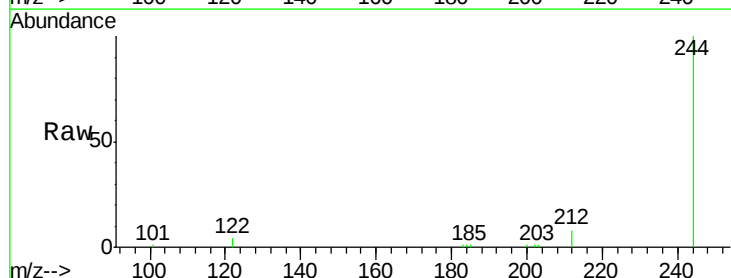
Tgt Ion:244 Resp: 16317

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

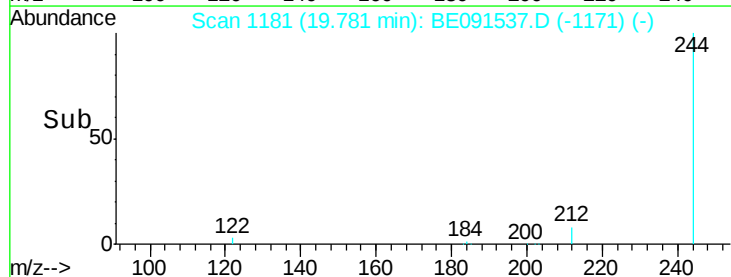
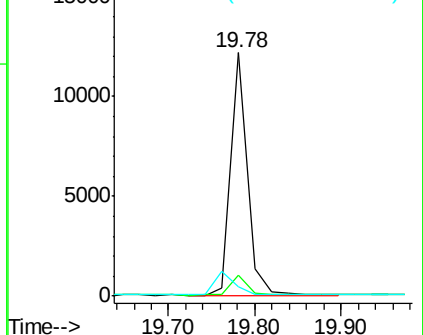
122 3.7 1.8 2.8#

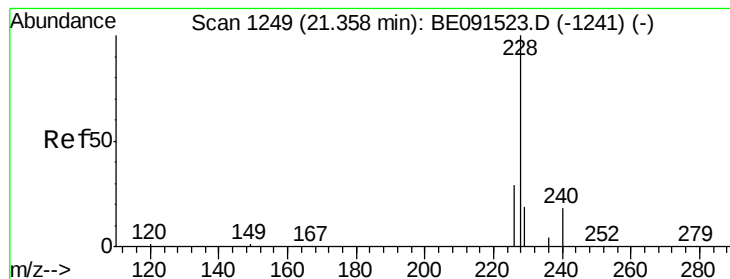


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#25

Benzo(a)anthracene

Concen: 0.05 ng

RT: 21.36 min Scan# 1250

Delta R.T. 0.04 min

Lab File: BE091537.D

Acq: 28 Mar 2016 13:28

Instrument :

BNA_E

ClientSampleId :

PB88877BL

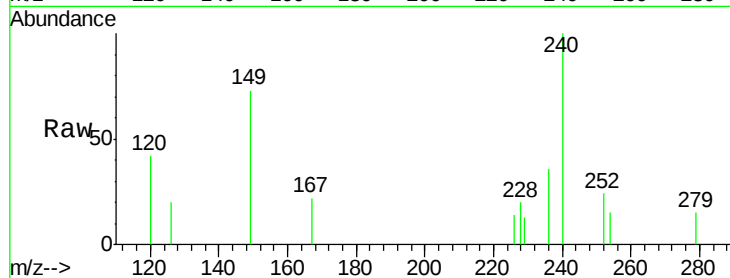
Tgt Ion:228 Resp: 206

Ion Ratio Lower Upper

228 100

226 68.8 24.0 36.0#

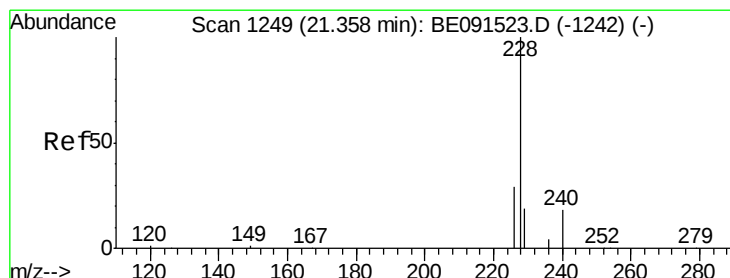
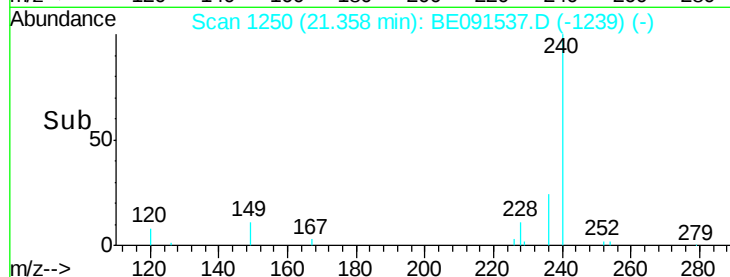
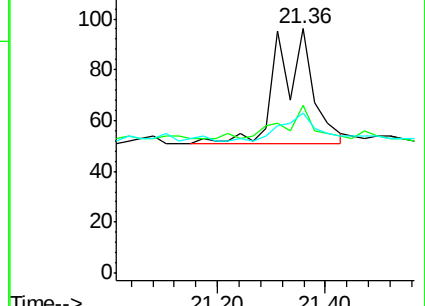
229 65.6 13.8 20.6#



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



#26

Chrysene

Concen: 0.04 ng

RT: 21.36 min Scan# 1250

Delta R.T. -0.00 min

Lab File: BE091537.D

Acq: 28 Mar 2016 13:28

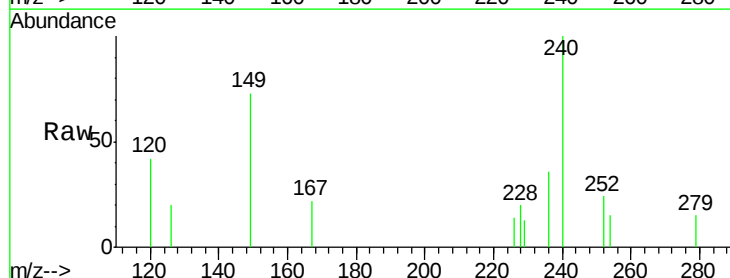
Tgt Ion:228 Resp: 192

Ion Ratio Lower Upper

228 100

226 68.8 18.9 28.3#

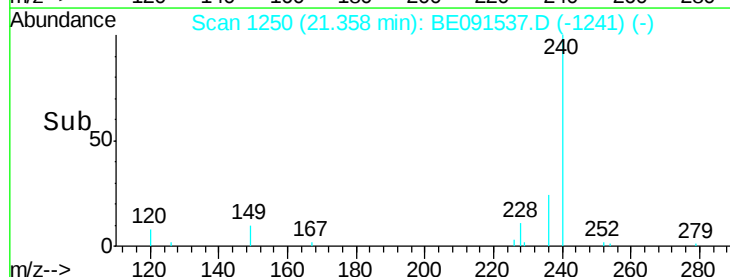
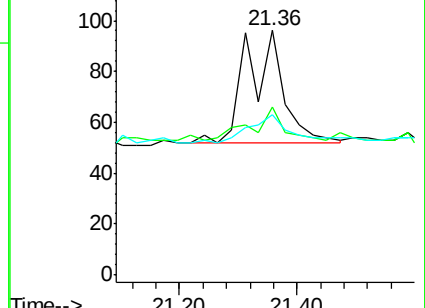
229 65.6 19.1 28.7#

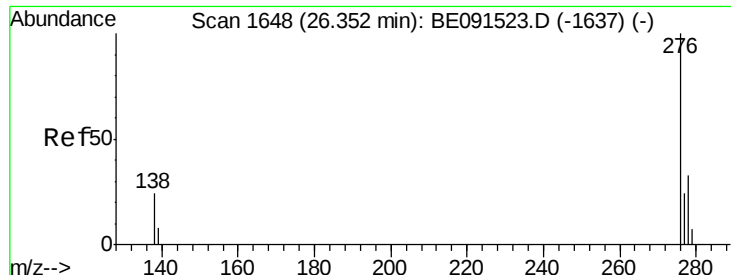


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

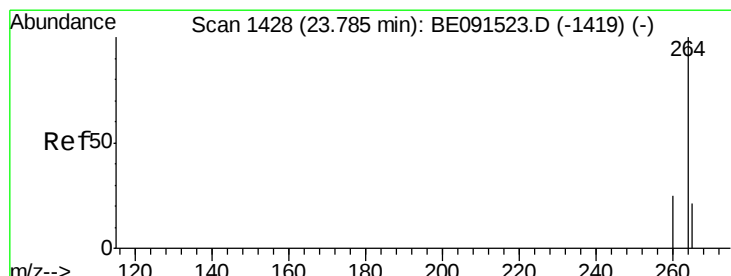
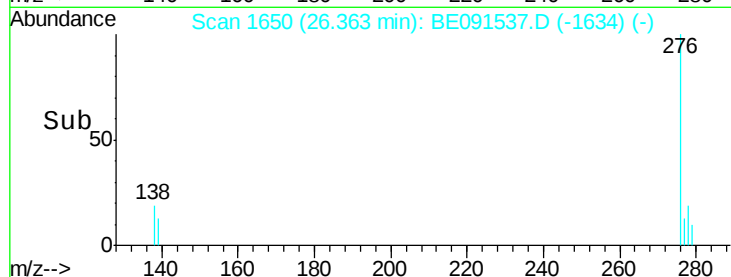
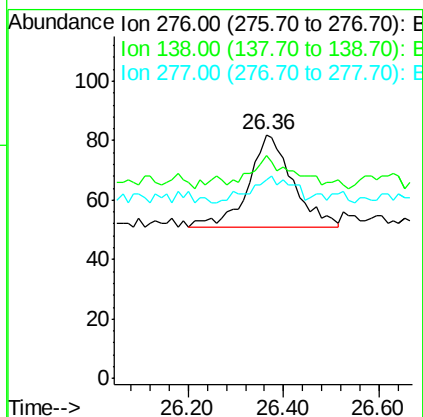
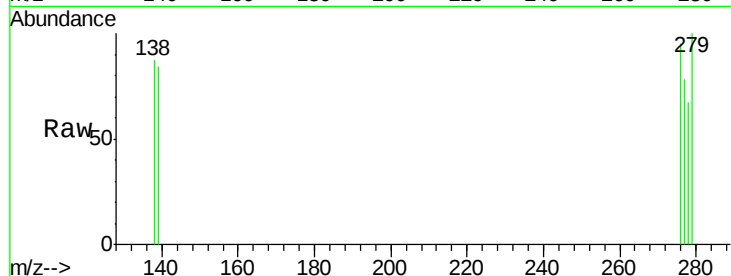




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng
RT: 26.36 min Scan# 1650
Delta R.T. -0.01 min
Lab File: BE091537.D
Acq: 28 Mar 2016 13:28

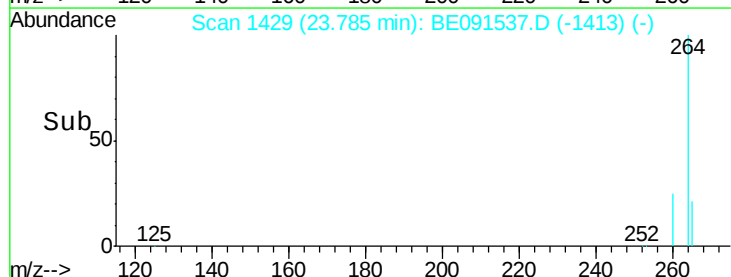
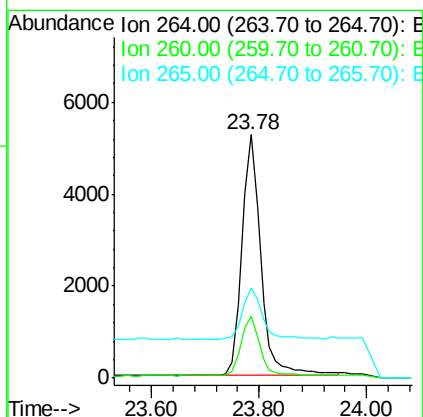
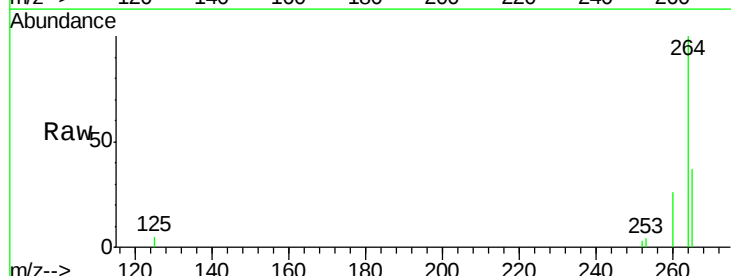
Instrument :
BNA_E
ClientSampleId :
PB88877BL

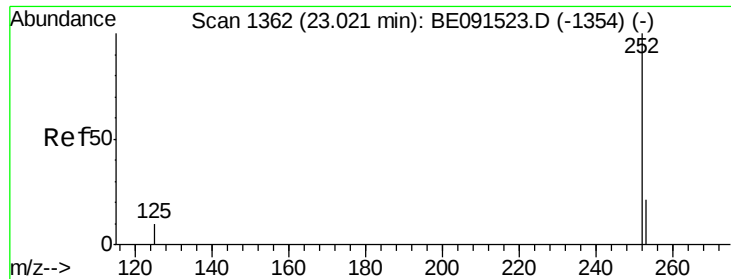
Tgt Ion: 276 Resp: 198
Ion Ratio Lower Upper
276 100
138 29.3 20.2 30.4
277 27.8 19.8 29.8



#28
Perylene-d12
Concen: 5.00 ng
RT: 23.78 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE091537.D
Acq: 28 Mar 2016 13:28

Tgt Ion: 264 Resp: 12711
Ion Ratio Lower Upper
264 100
260 25.7 20.1 30.1
265 37.0 18.3 27.5#





#29

Benzo(b)fluoranthene

Concen: 0.19 ng

RT: 23.03 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BE091537.D

Acq: 28 Mar 2016 13:28

Instrument :

BNA_E

ClientSampleId :

PB8877BL

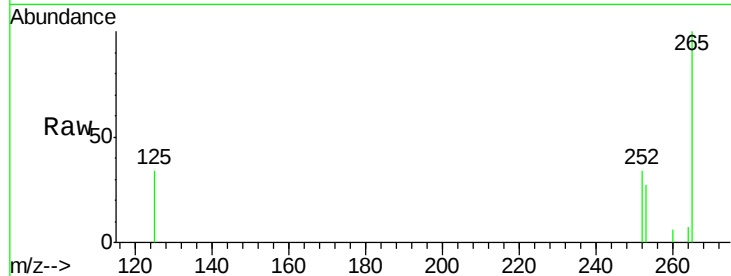
Tgt Ion:252 Resp: 534

Ion Ratio Lower Upper

252 100

253 80.1 18.7 28.1#

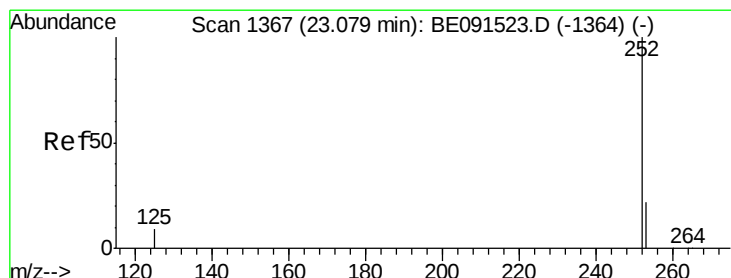
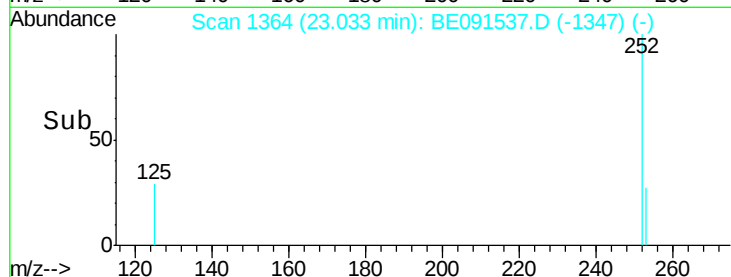
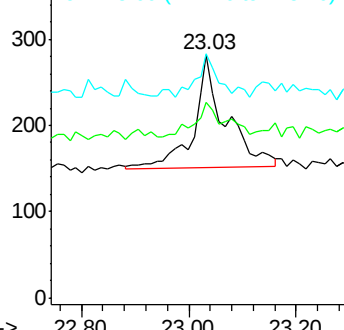
125 100.4 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#30

Benzo(k)fluoranthene

Concen: 0.20 ng

RT: 23.03 min Scan# 1364

Delta R.T. -0.05 min

Lab File: BE091537.D

Acq: 28 Mar 2016 13:28

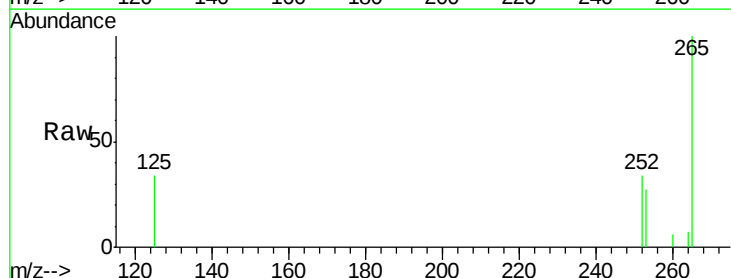
Tgt Ion:252 Resp: 567

Ion Ratio Lower Upper

252 100

253 80.1 20.2 30.4#

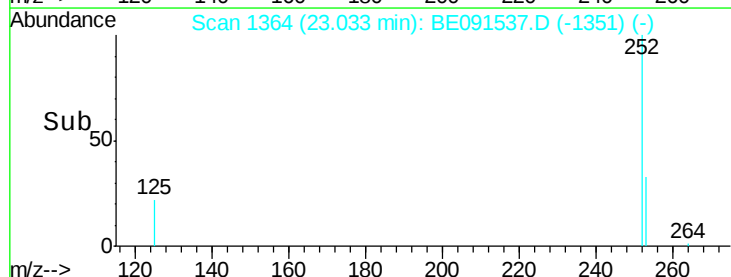
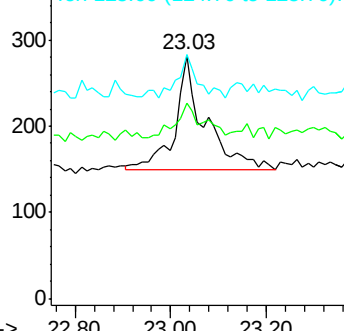
125 100.4 9.4 14.2#

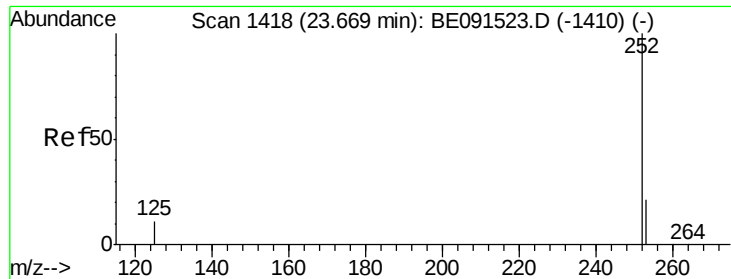


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.69 min Scan# 1421

Delta R.T. 0.01 min

Lab File: BE091537.D

Acq: 28 Mar 2016 13:28

Instrument :

BNA_E

ClientSampleId :

PB8877BL

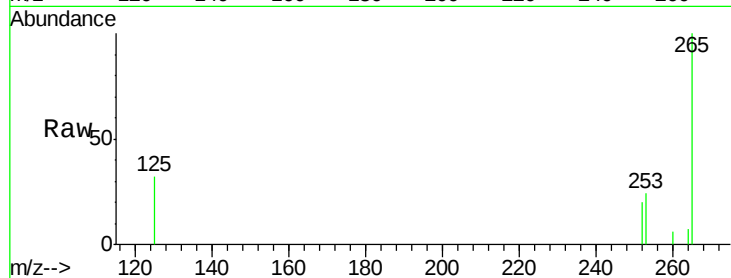
Tgt Ion: 252 Resp: 80

Ion Ratio Lower Upper

252 100

253 117.6 19.4 29.0#

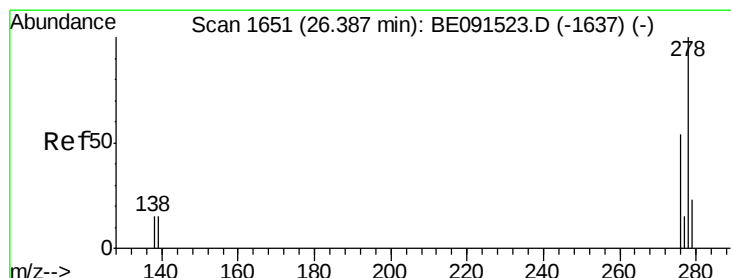
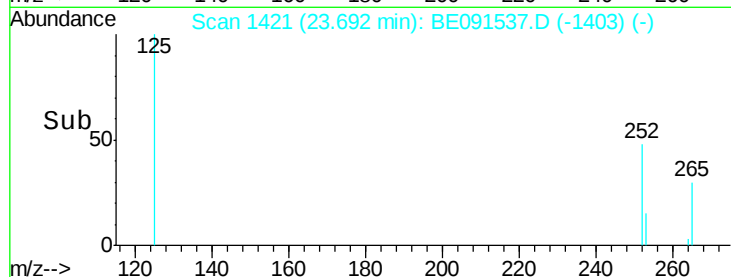
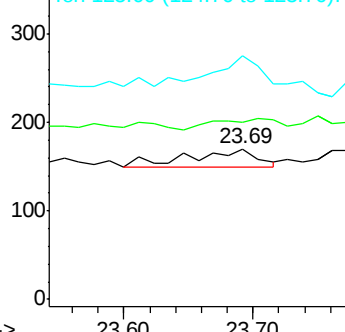
125 161.8 11.4 17.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#32

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 26.40 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE091537.D

Acq: 28 Mar 2016 13:28

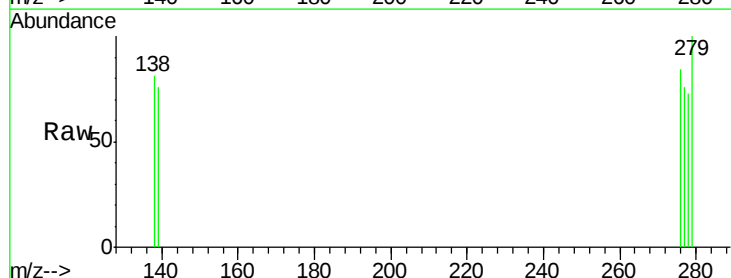
Tgt Ion: 278 Resp: 80

Ion Ratio Lower Upper

278 100

139 104.7 14.2 21.4#

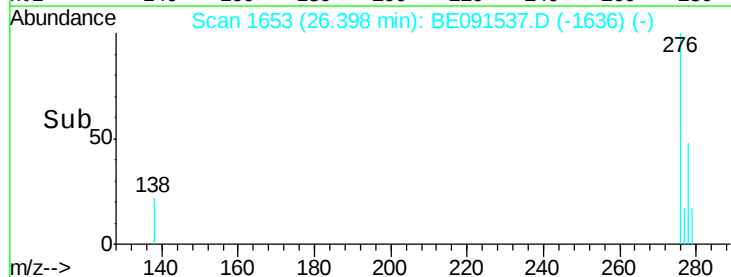
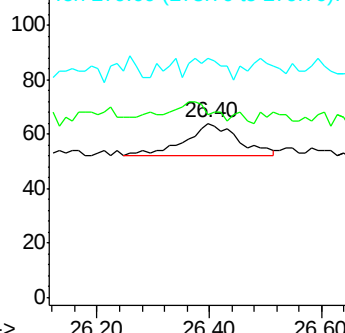
279 137.5 19.6 29.4#

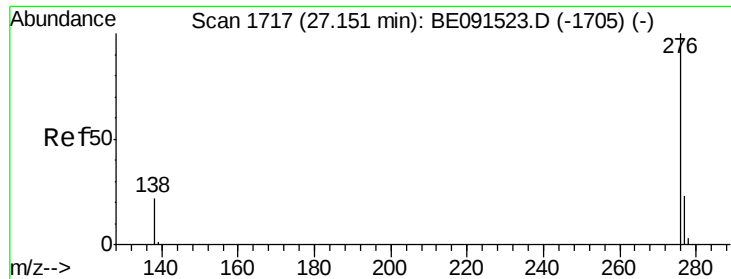


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 27.15 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BE091537.D

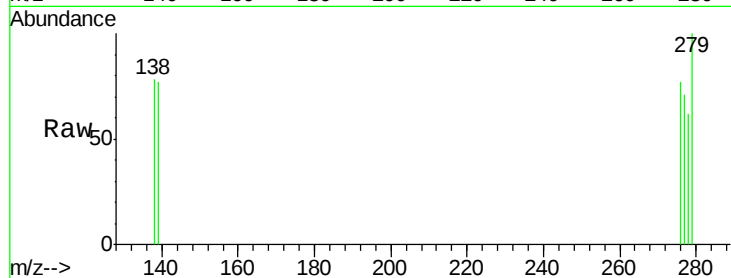
Acq: 28 Mar 2016 13:28

Instrument :

BNA_E

ClientSampleId :

PB88877BL



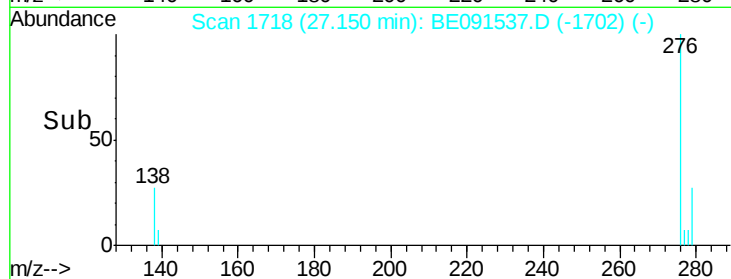
Tgt Ion: 276 Resp: 72

Ion Ratio Lower Upper

276 100

277 92.5 19.4 29.2#

138 101.5 18.2 27.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

