

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091615\
 Data File : BE090853.D
 Acq On : 16 Sep 2015 20:38
 Operator : UM/IZ
 Sample : G3678-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091415-D549-E-U-M

Quant Time: Sep 17 00:57:22 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	38225	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	166483	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	88301	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	224465	5.00	ng	0.00
25) Chrysene-d12	21.07	240	286484	5.00	ng	0.00
32) Perylene-d12	23.35	264	271048	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	24192	3.26	ng	0.00
5) Phenol-d6	6.75	99	19162	1.80	ng	0.00
7) Nitrobenzene-d5	8.71	82	36583	3.33	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	15235	5.92	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	80802	3.30	ng	0.00
27) Terphenyl-d14	19.53	244	144608	4.56	ng	-0.01

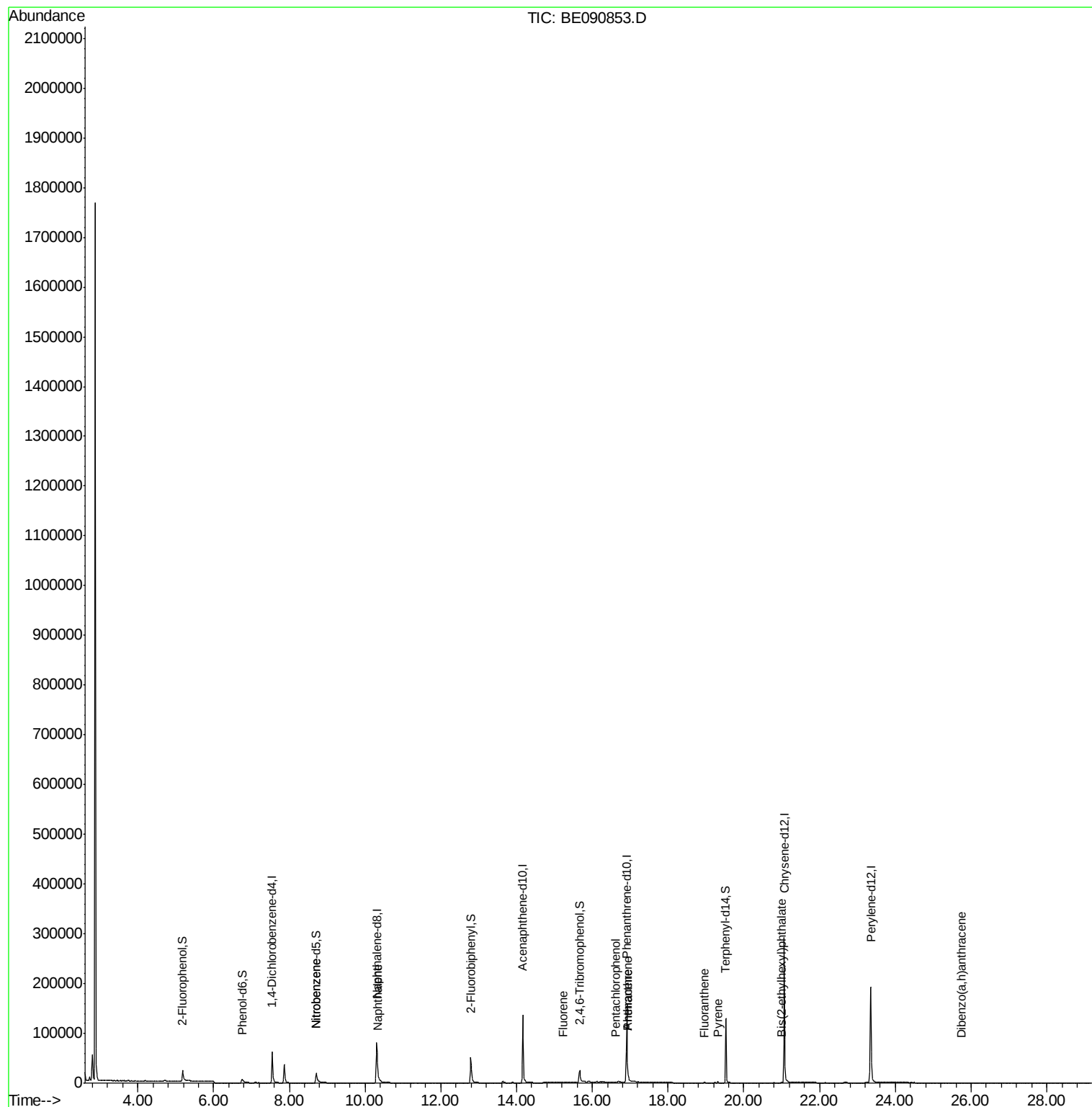
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	51	Below Cal	#	22
3) n-Nitrosodimethylamine	3.45	42	33	Below Cal	#	1
8) Nitrobenzene	8.71	77	98	0.12	ng	61
9) Naphthalene	10.35	128	1577	0.04	ng	79
17) Fluorene	15.22	166	952	0.03	ng	89
20) Hexachlorobenzene	16.23	284	48	Below Cal	#	1
21) Pentachlorophenol	16.61	266	22	0.47	ng	63
22) Phenanthrene	16.94	178	7701	0.14	ng	97
23) Anthracene	16.94	178	7563	0.16	ng	98
24) Fluoranthene	18.96	202	1864	0.03	ng	96
26) Pyrene	19.32	202	2538	0.04	ng	98
29) Chrysene	21.10	228	604	Below Cal	#	79
30) Bis(2-ethylhexyl)phthalate	21.00	149	1939	0.18	ng	99
36) Dibenzo(a,h)anthracene	25.75	278	23	0.14	ng	1

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

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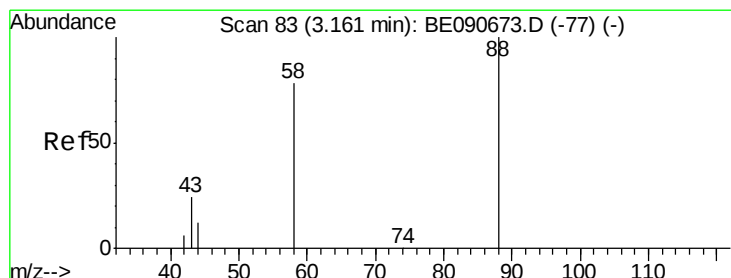
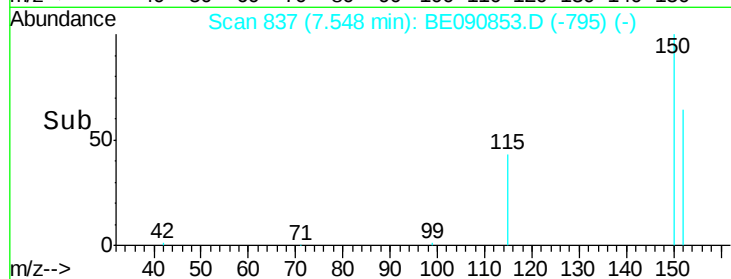
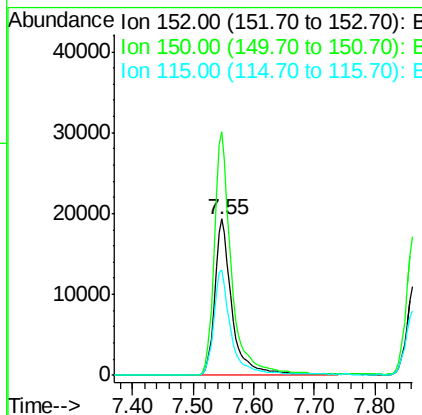
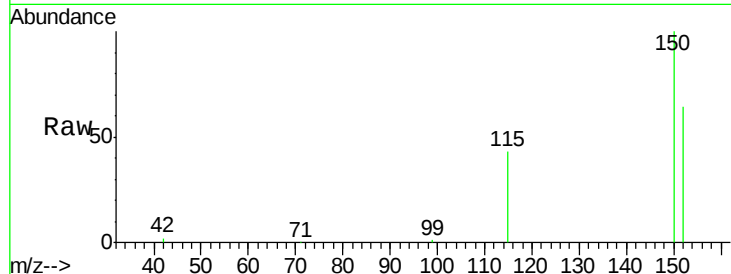


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.55 min Scan# 837
Delta R.T. -0.01 min
Lab File: BE090853.D
Acq: 16 Sep 2015 20:38

Instrument :
BNA_E
ClientSampleId :
091415-D549-E-U-M

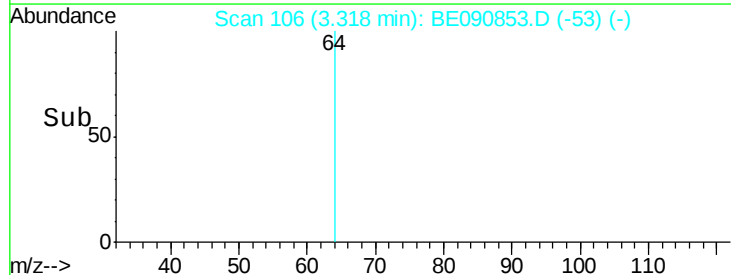
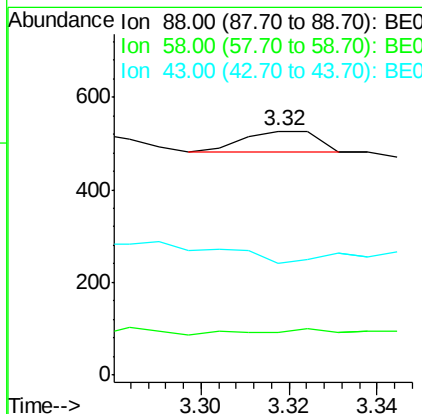
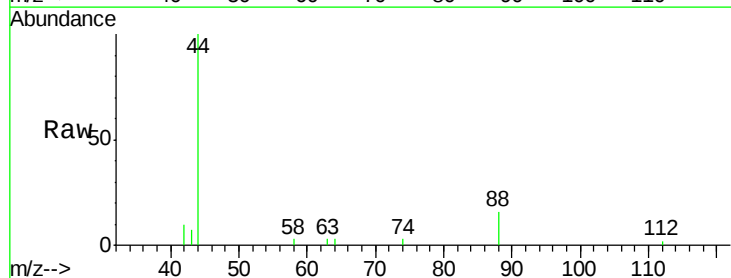
Tot Ion:152 Resp: 38225
Ion Ratio Lower Upper
152 100
150 156.1 122.2 183.4
115 67.7 51.0 76.4

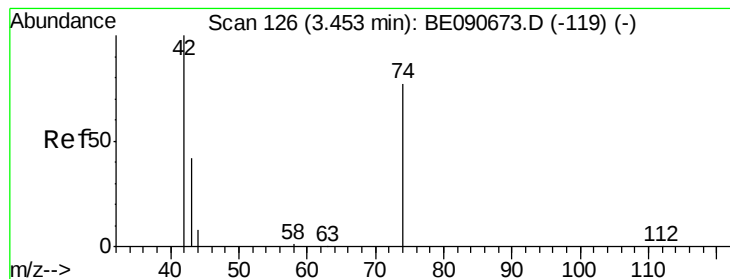


#2

1,4-Dioxane
Concen: Below Cal
RT: 3.32 min Scan# 106
Delta R.T. 0.16 min
Lab File: BE090853.D
Acq: 16 Sep 2015 20:38

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
58 7.8 68.4 102.6#
43 0.0 26.9 40.3#



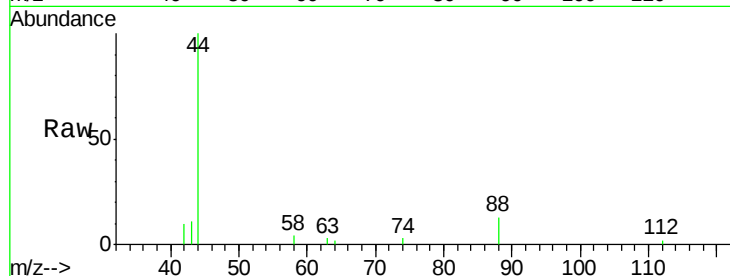


#3

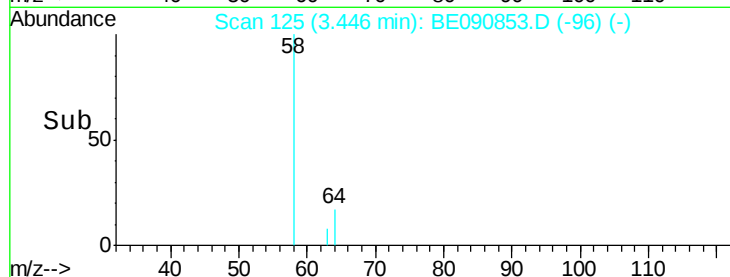
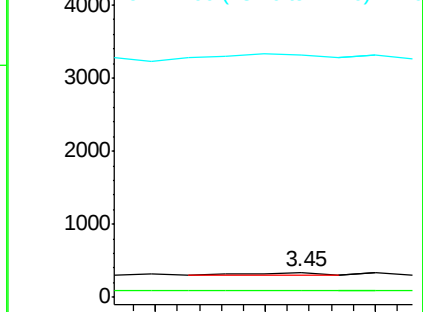
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.45 min Scan# 125
Delta R.T. -0.01 min
Lab File: BE090853.D
Acq: 16 Sep 2015 20:38

Instrument :
BNA_E
ClientSampleId :
091415-D549-E-U-M

Tot Ion: 42 Resp: 33
Ion Ratio Lower Upper
42 100
74 45.5 83.7 125.5#
44 1027.3 10.0 15.0#



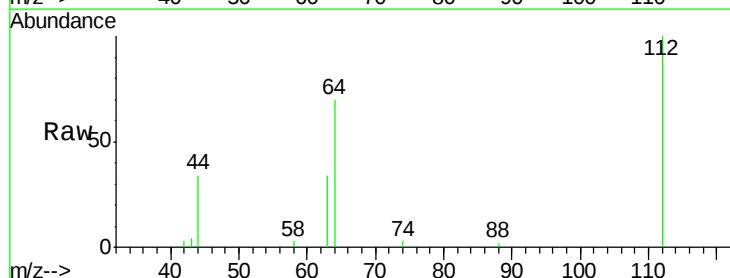
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



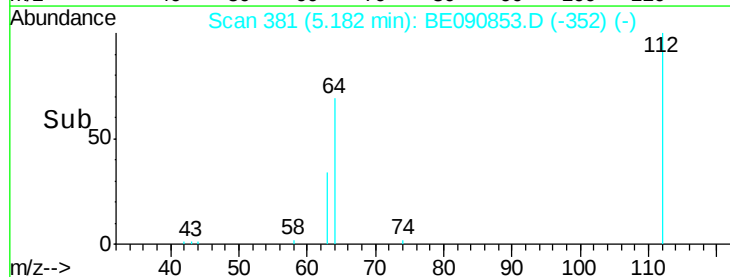
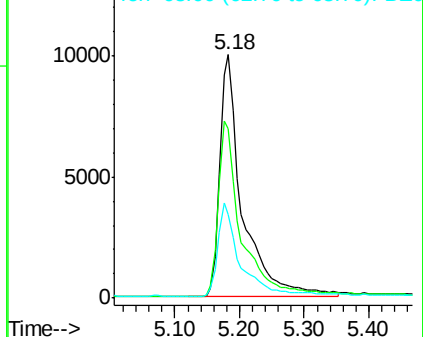
#4

2-Fluorophenol
Concen: 3.26 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.01 min
Lab File: BE090853.D
Acq: 16 Sep 2015 20:38

Tgt Ion: 112 Resp: 24192
Ion Ratio Lower Upper
112 100
64 73.0 57.3 85.9
63 37.8 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.80 ng

RT: 6.75 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

Instrument :

BNA_E

ClientSampleId :

091415-D549-E-U-M

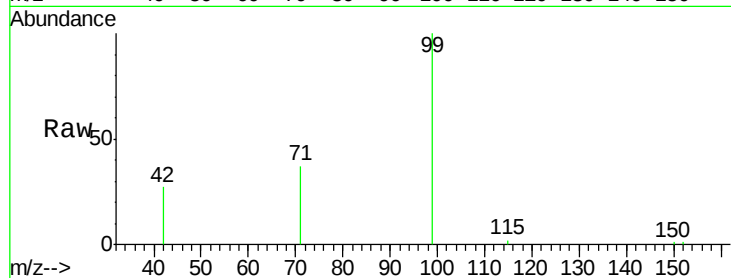
Tot Ion: 99 Resp: 19162

Ion Ratio Lower Upper

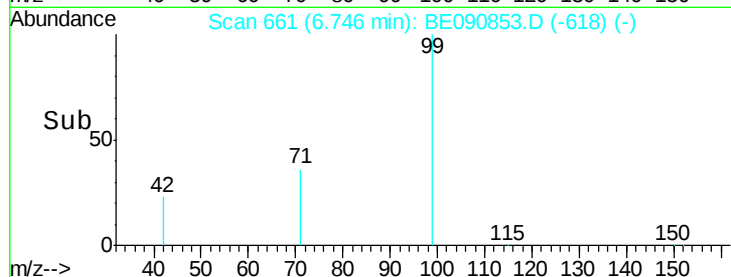
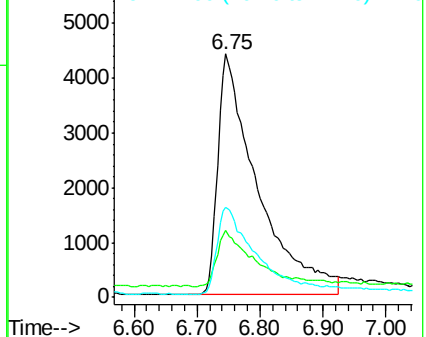
99 100

42 21.1 16.8 25.2

71 35.7 28.3 42.5



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

Tgt Ion: 136 Resp: 166483

Ion Ratio Lower Upper

136 100

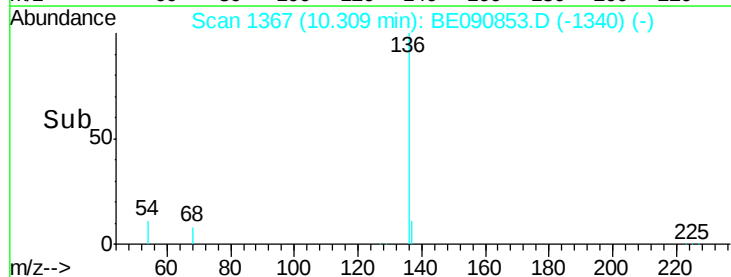
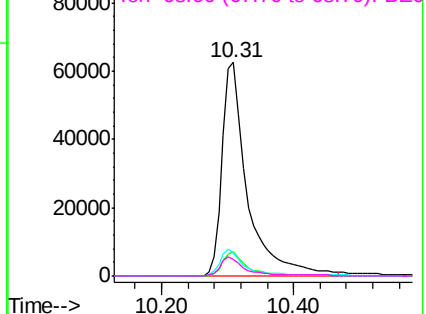
137 11.1 8.7 13.1

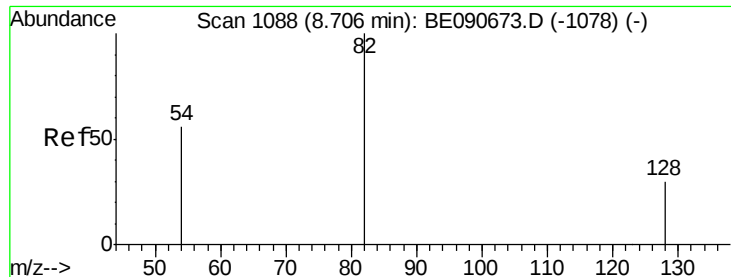
54 10.9 9.0 13.6

68 7.8 6.3 9.5



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: 3.33 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

Instrument :

BNA_E

ClientSampleId :

091415-D549-E-U-M

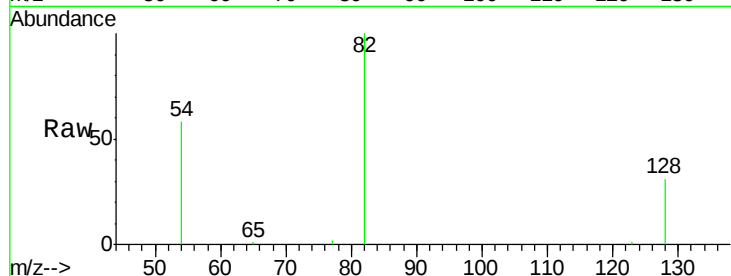
Tot Ion: 82 Resp: 36583

Ion Ratio Lower Upper

82 100

128 30.5 25.0 37.4

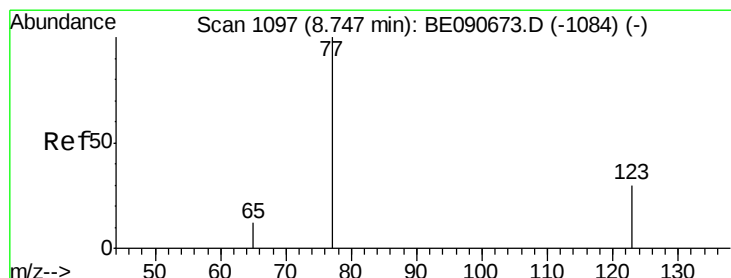
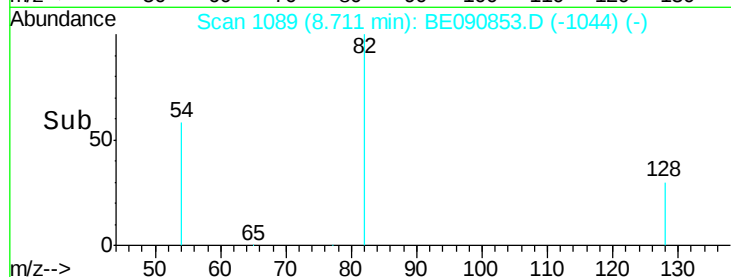
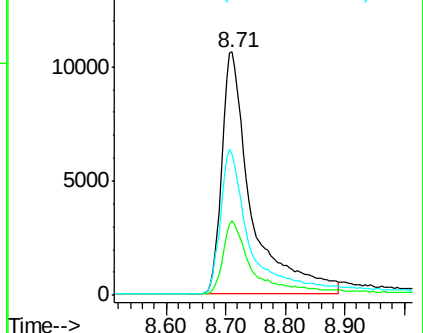
54 58.0 46.3 69.5



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



#8

Nitrobenzene

Concen: 0.12 ng

RT: 8.71 min Scan# 1088

Delta R.T. -0.04 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

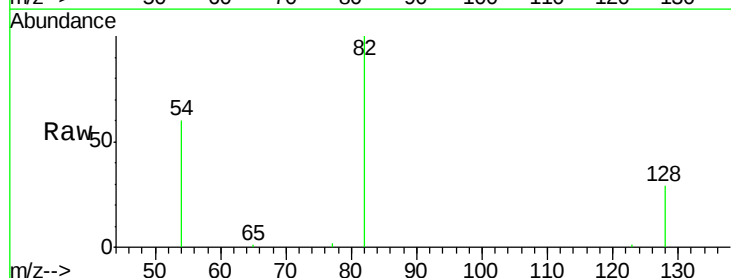
Tgt Ion: 77 Resp: 98

Ion Ratio Lower Upper

77 100

123 2.0 25.1 37.7#

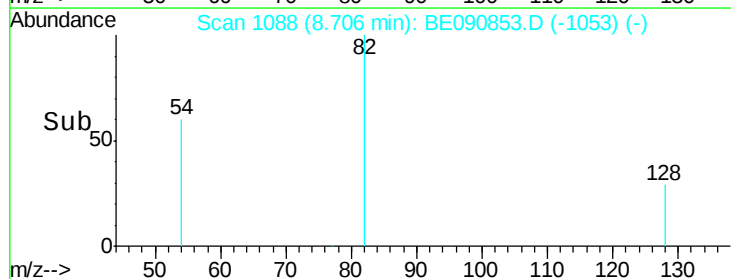
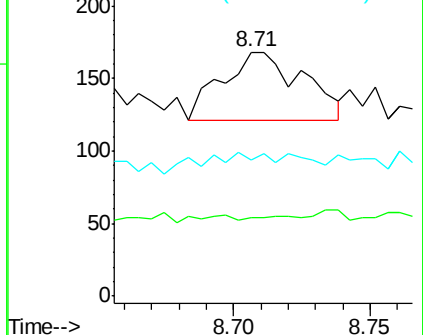
65 14.3 9.9 14.9



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.04 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

Instrument :

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ClientSampleId :

091415-D549-E-U-M

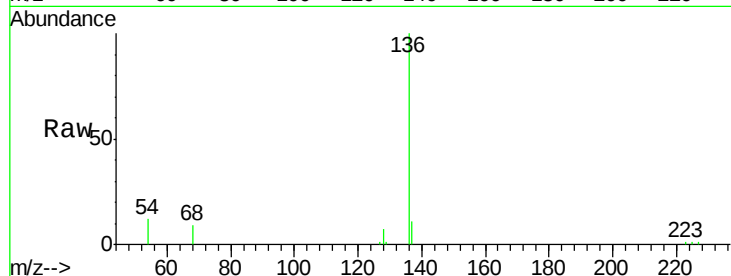
Tot Ion:128 Resp: 1577

Ion Ratio Lower Upper

128 100

129 20.4 9.0 13.6#

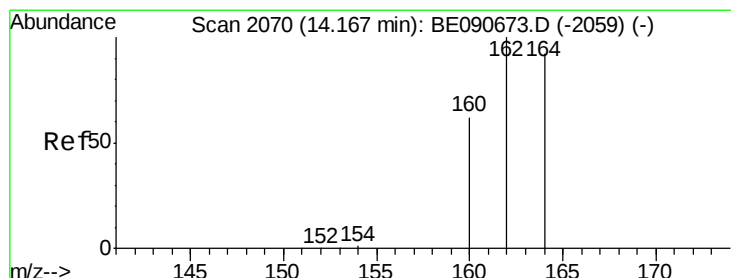
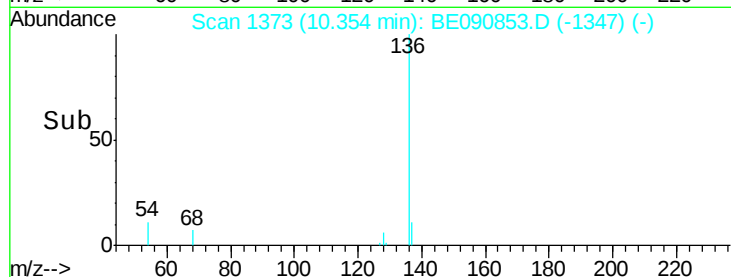
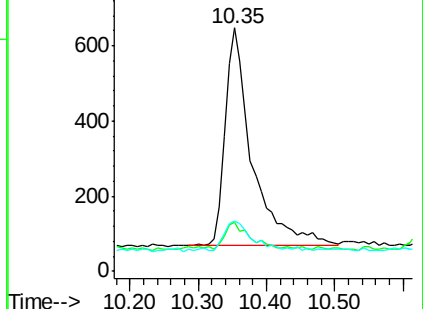
127 20.5 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

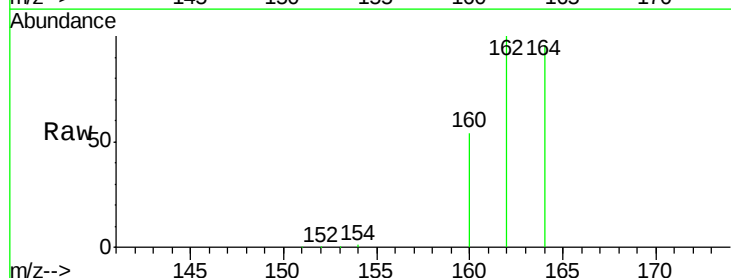
Tgt Ion:164 Resp: 88301

Ion Ratio Lower Upper

164 100

162 104.0 86.8 130.2

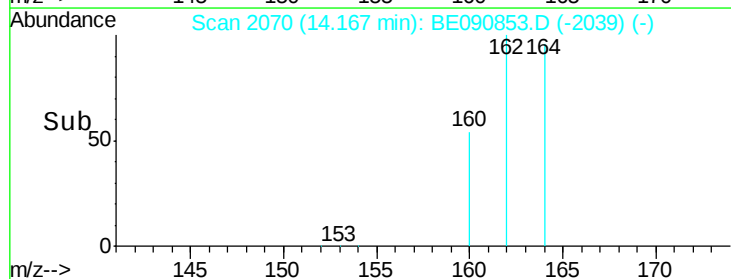
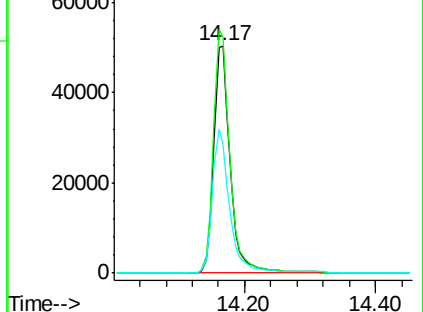
160 56.6 53.9 80.9

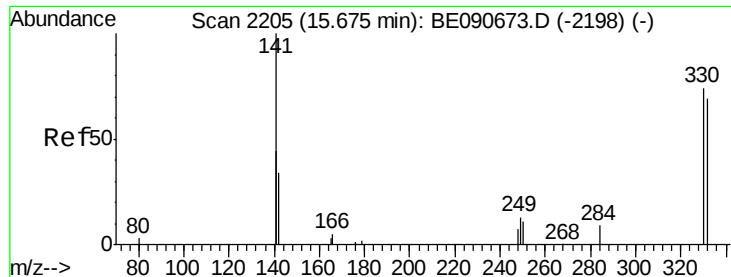


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

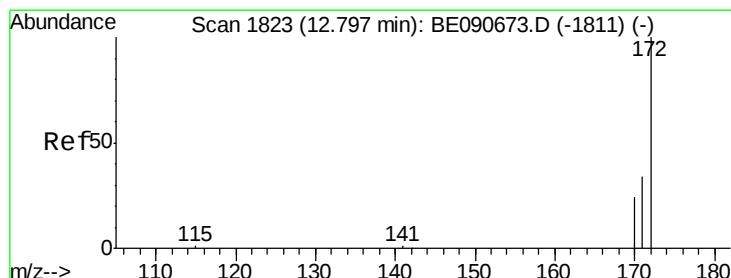
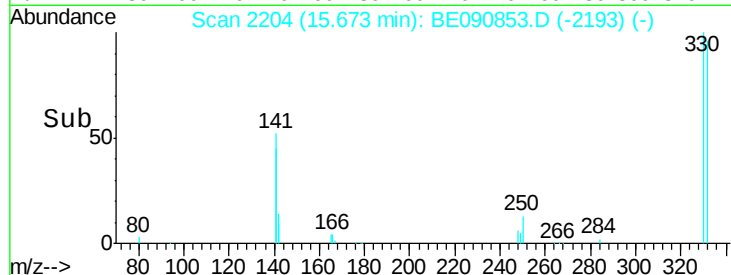
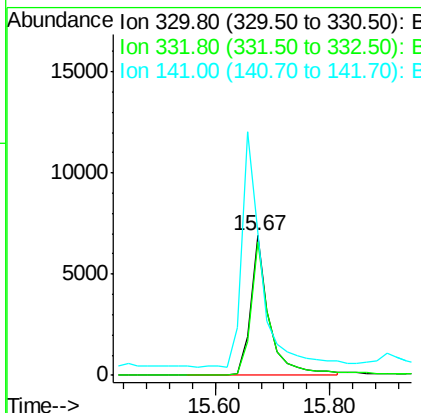
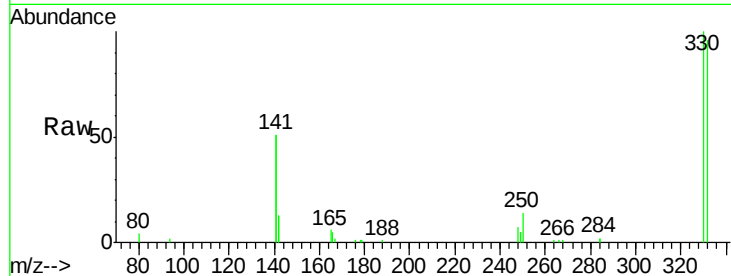




#13
 2,4,6-Tribromophenol
 Concen: 5.92 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090853.D
 Acq: 16 Sep 2015 20:38

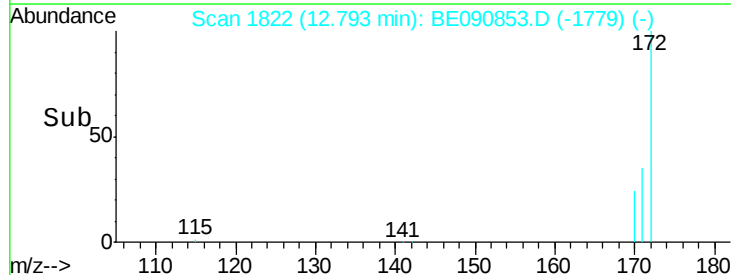
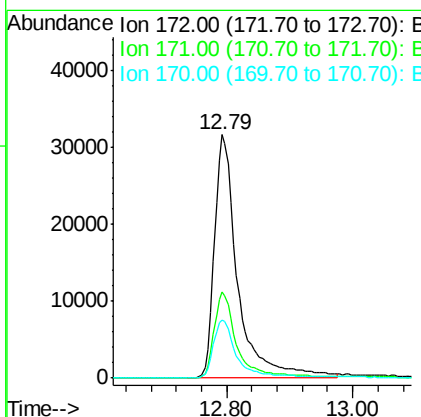
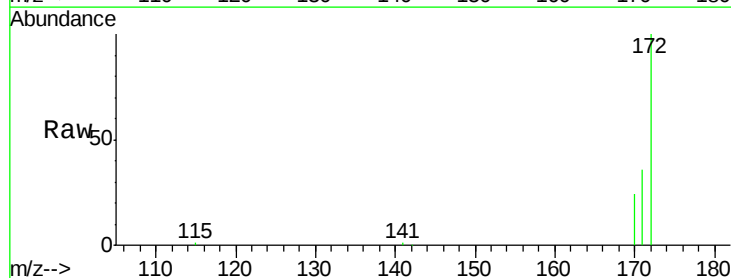
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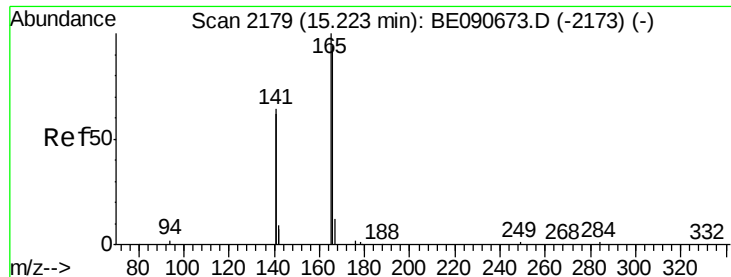
Tot Ion:330 Resp: 15235
 Ion Ratio Lower Upper
 330 100
 332 96.2 74.9 112.3
 141 181.7 145.2 217.8



#14
 2-Fluorobiphenyl
 Concen: 3.30 ng
 RT: 12.79 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BE090853.D
 Acq: 16 Sep 2015 20:38

Tgt Ion:172 Resp: 80802
 Ion Ratio Lower Upper
 172 100
 171 35.6 27.8 41.8
 170 23.8 19.8 29.6

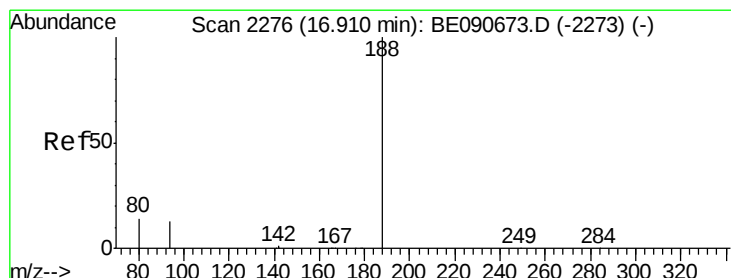
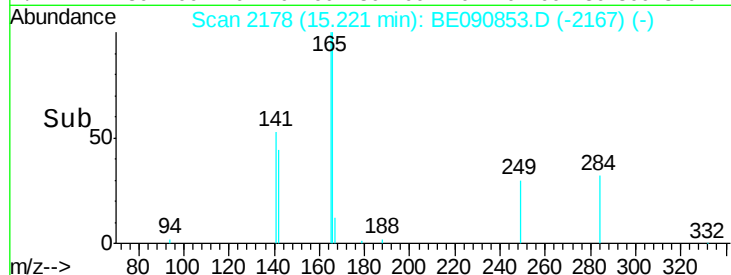
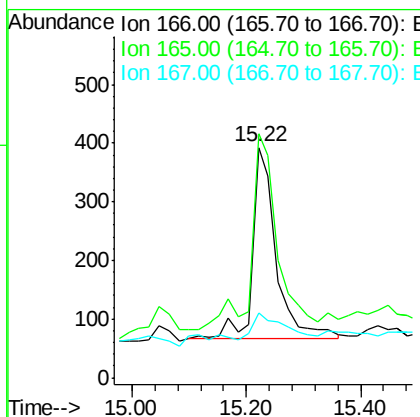
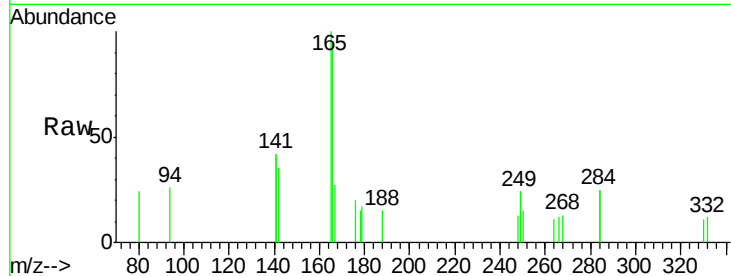




#17
Fluorene
 Concen: 0.03 ng
 RT: 15.22 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BE090853.D
 Acq: 16 Sep 2015 20:38

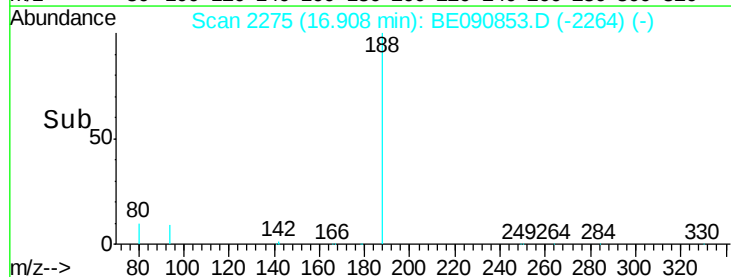
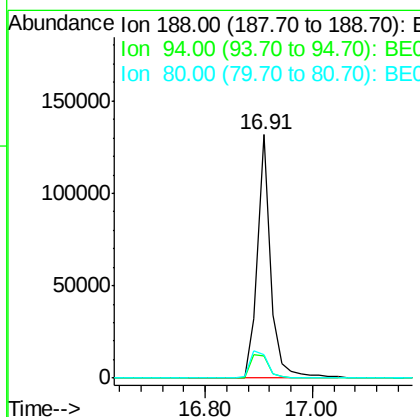
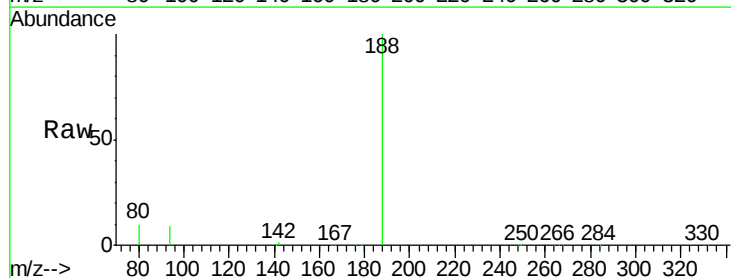
Instrument :
 BNA_E
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 091415-D549-E-U-M

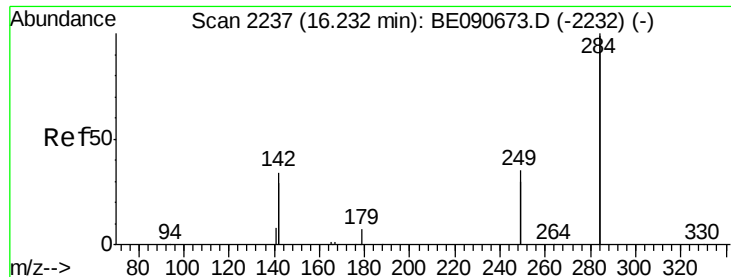
Tot Ion:166 Resp: 952
 Ion Ratio Lower Upper
 166 100
 165 113.9 82.7 124.1
 167 20.2 10.7 16.1#



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.91 min Scan# 2275
 Delta R.T. -0.00 min
 Lab File: BE090853.D
 Acq: 16 Sep 2015 20:38

Tgt Ion:188 Resp: 224465
 Ion Ratio Lower Upper
 188 100
 94 8.9 10.3 15.5#
 80 9.8 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

Instrument :

BNA_E

ClientSampleId :

091415-D549-E-U-M

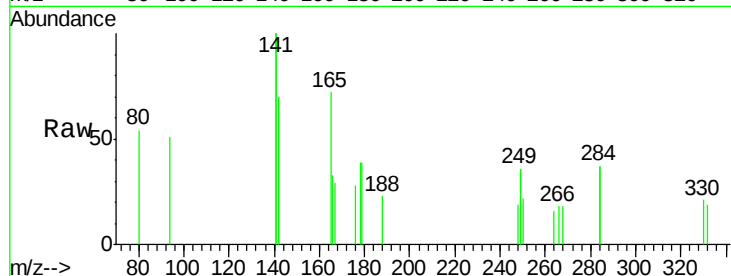
Tot Ion:284 Resp: 48

Ion Ratio Lower Upper

284 100

142 343.8 35.0 52.4#

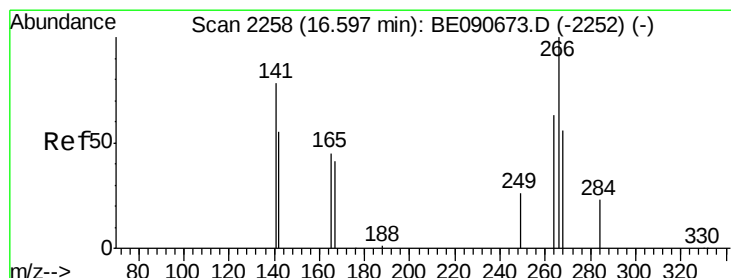
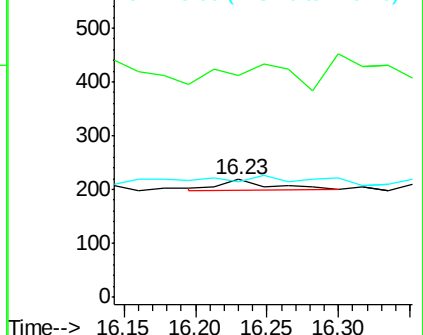
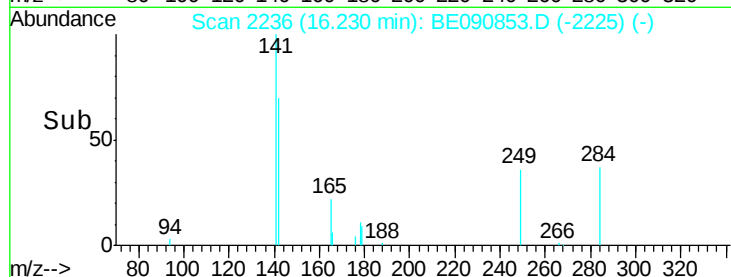
249 0.0 25.5 38.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: 0.47 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.02 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

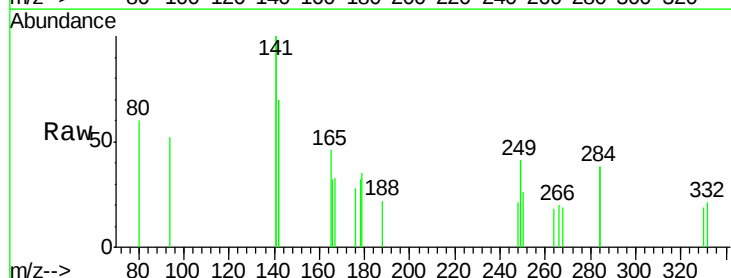
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

268 96.4 49.6 74.4#

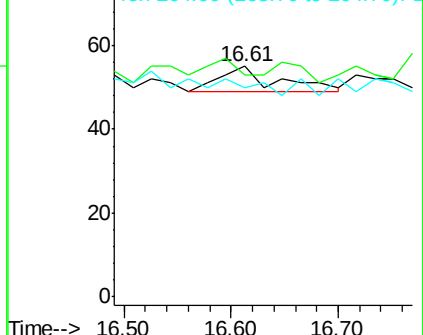
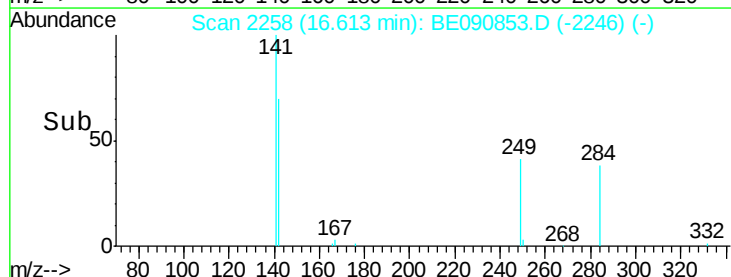
264 90.9 53.9 80.9#

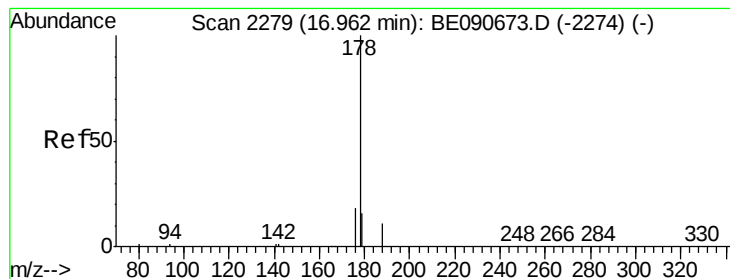


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.14 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

Instrument :

BNA_E

ClientSampleId :

091415-D549-E-U-M

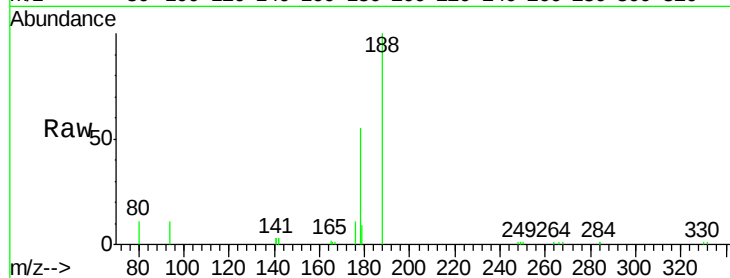
Tot Ion:178 Resp: 7701

Ion Ratio Lower Upper

178 100

176 20.0 15.6 23.4

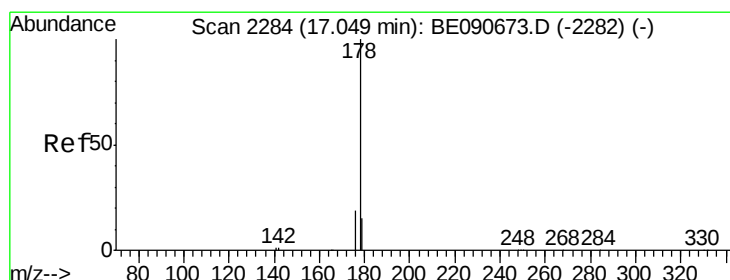
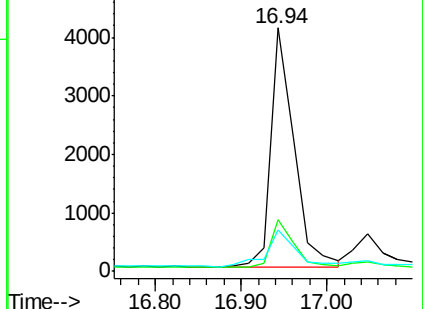
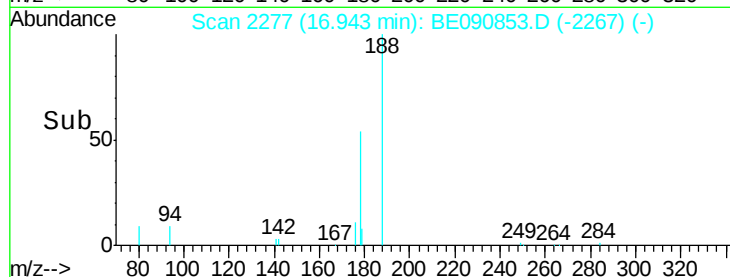
179 18.4 12.8 19.2



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



#23

Anthracene

Concen: 0.16 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.11 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

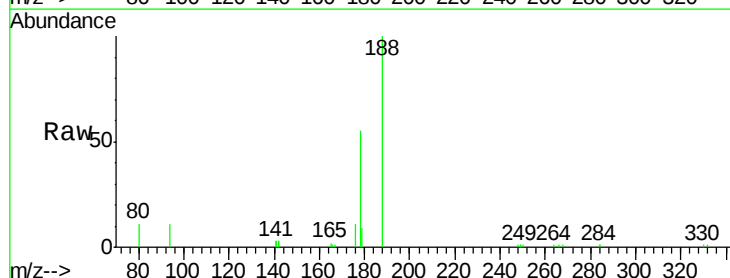
Tgt Ion:178 Resp: 7563

Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.6

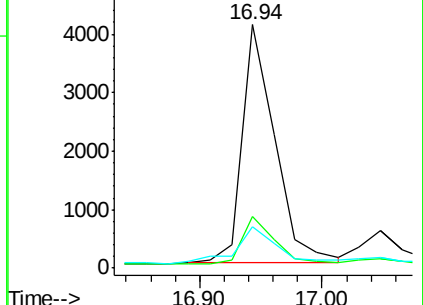
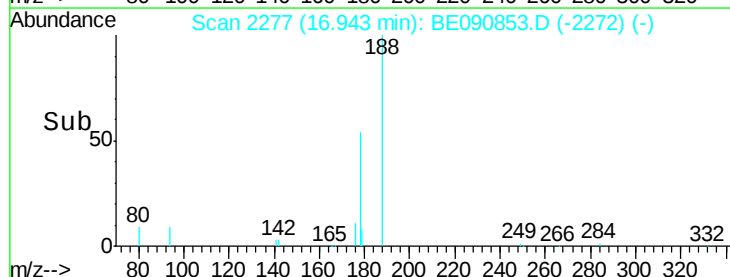
179 16.2 12.3 18.5

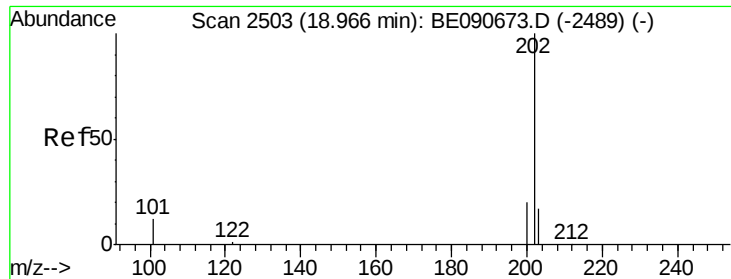


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

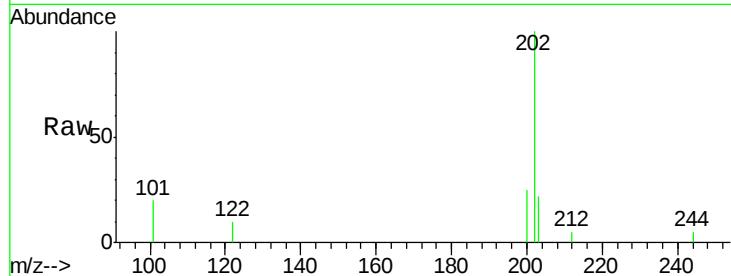




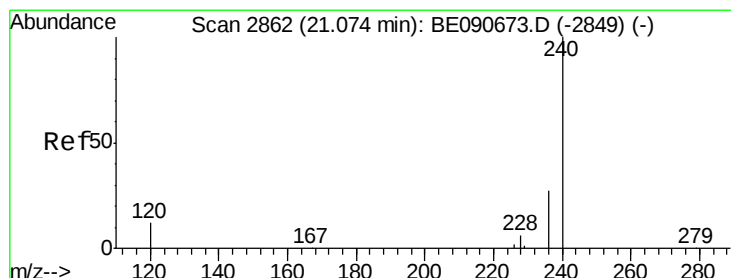
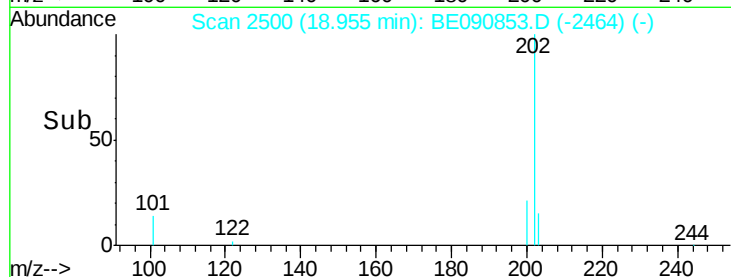
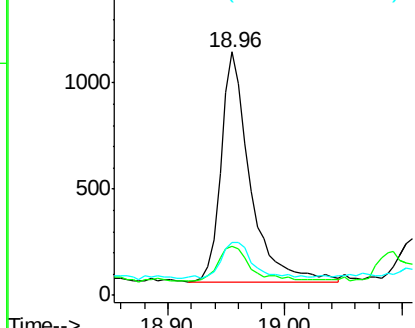
#24
Fluoranthene
 Concen: 0.03 ng
 RT: 18.96 min Scan# 2500
 Delta R.T. -0.01 min
 Lab File: BE090853.D
 Acq: 16 Sep 2015 20:38

Instrument :
 BNA_E
 ClientSampleId :
 091415-D549-E-U-M

Tot Ion	Ratio	Lower	Upper
202	100		
101	17.1	11.0	16.6#
203	17.0	13.9	20.9

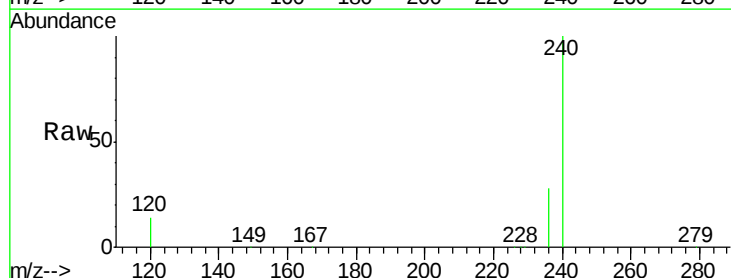


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

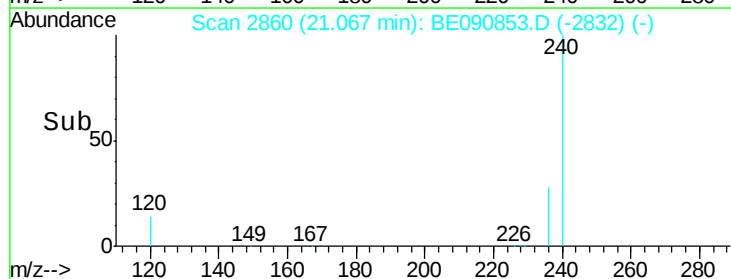
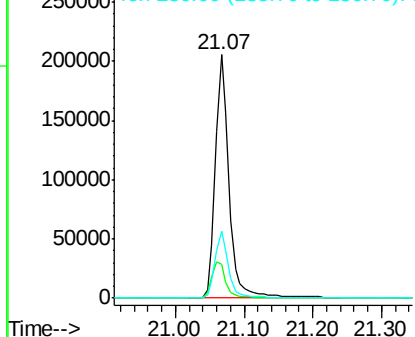


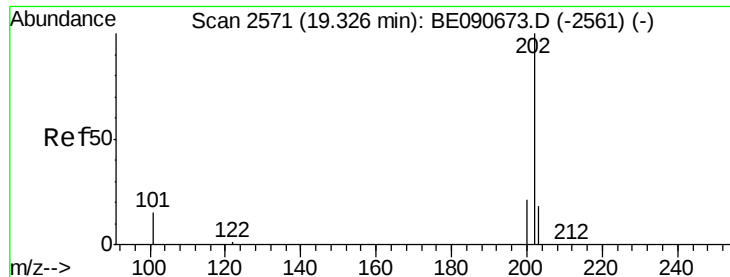
#25
Chrysene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 2860
 Delta R.T. -0.01 min
 Lab File: BE090853.D
 Acq: 16 Sep 2015 20:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	10.1	15.1
236	27.6	21.9	32.9



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





#26

Pvrene

Concen: 0.04 ng

RT: 19.32 min Scan# 2568

Delta R.T. -0.01 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

Instrument :

BNA_E

ClientSampleId :

091415-D549-E-U-M

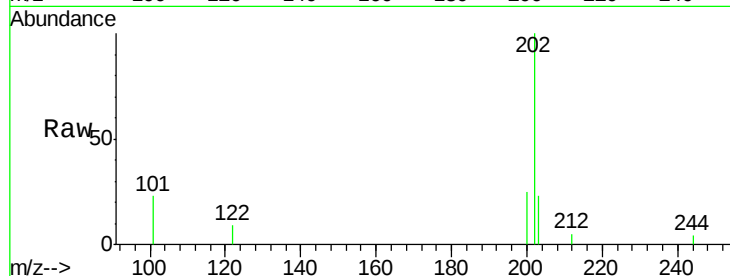
Tot Ion:202 Resp: 2538

Ion Ratio Lower Upper

202 100

200 20.1 16.7 25.1

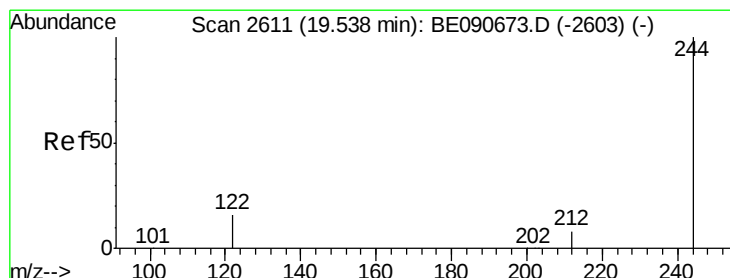
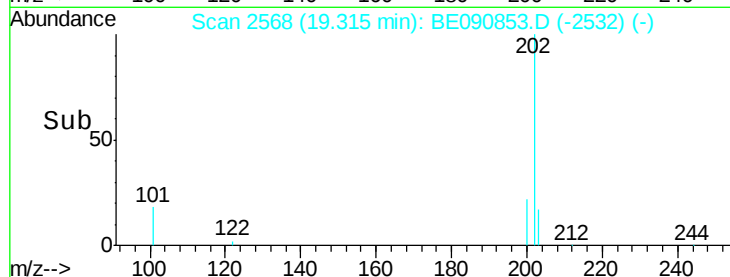
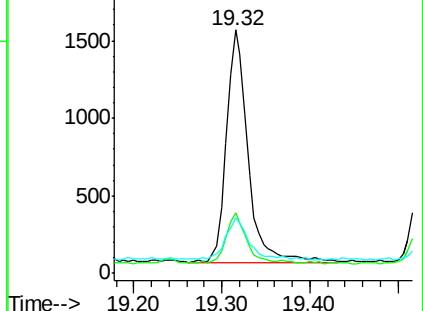
203 18.6 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Terphenyl-d14

Concen: 4.56 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

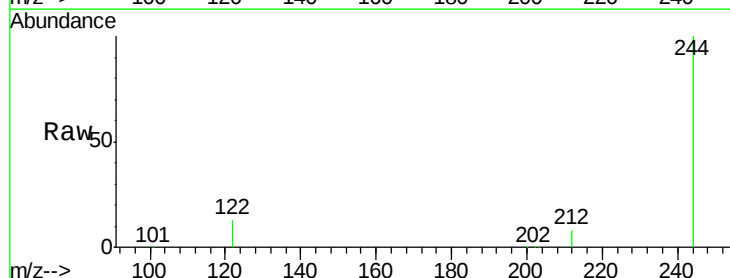
Tgt Ion:244 Resp: 144608

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

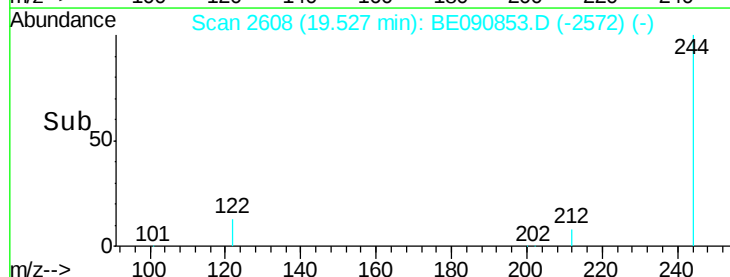
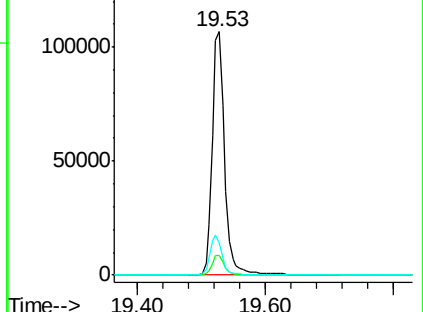
122 13.3 12.9 19.3

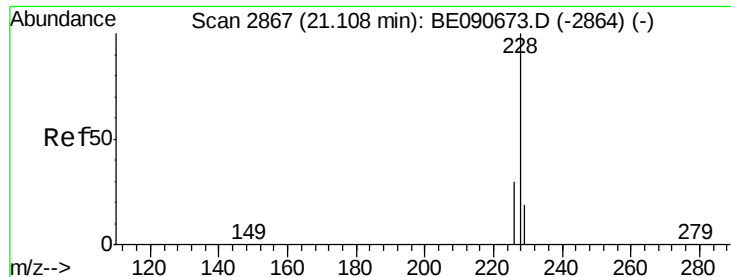


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

Instrument :

BNA_E

ClientSampleId :

091415-D549-E-U-M

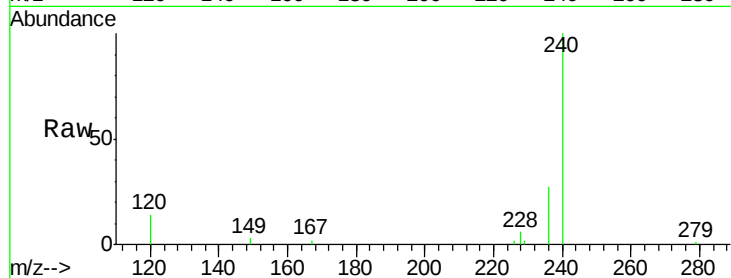
Tot Ion:228 Resp: 604

Ion Ratio Lower Upper

228 100

226 38.9 24.2 36.4#

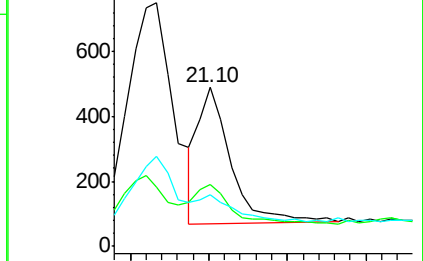
229 32.9 15.3 22.9#



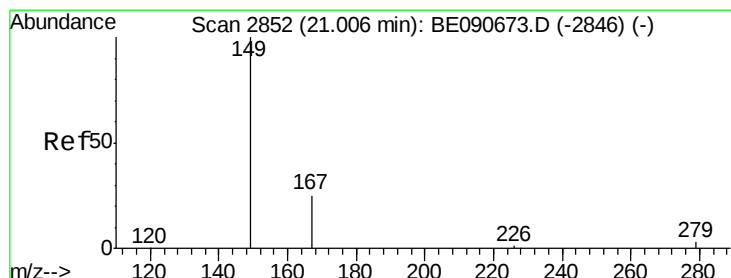
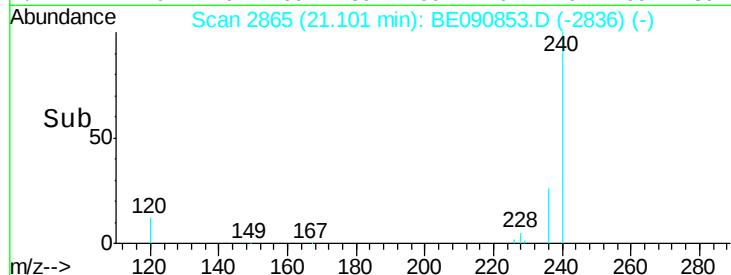
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.05 21.10 21.15 21.20



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.18 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090853.D

Acq: 16 Sep 2015 20:38

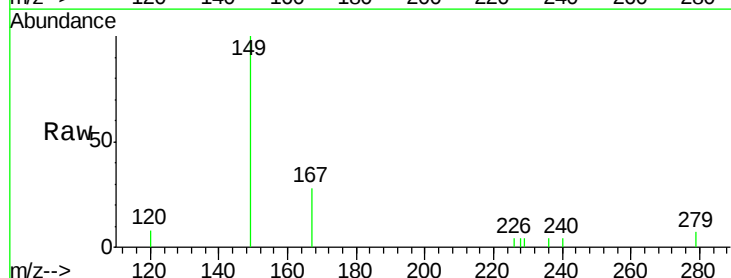
Tgt Ion:149 Resp: 1939

Ion Ratio Lower Upper

149 100

167 24.6 20.1 30.1

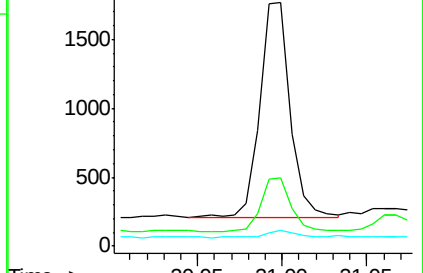
279 4.0 2.3 3.5#



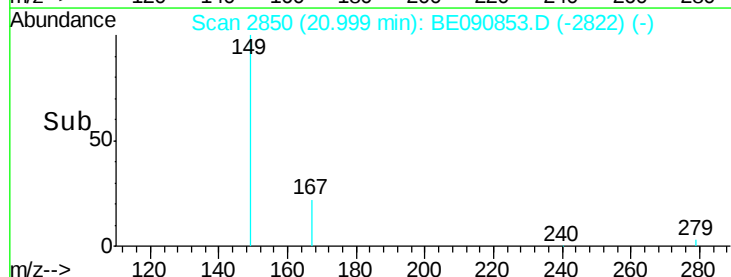
Abundance Ion 149.00 (148.70 to 149.70): E

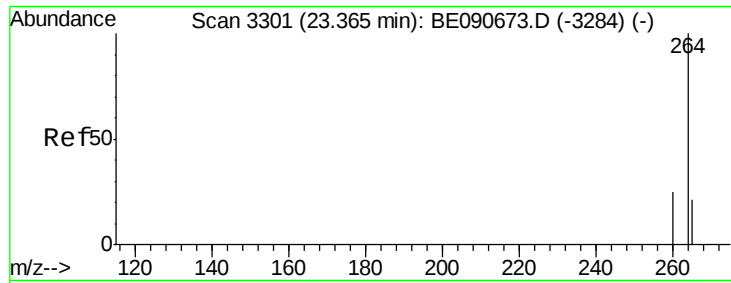
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 20.95 21.00 21.05

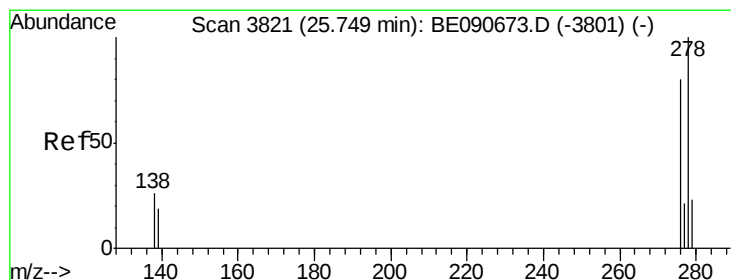
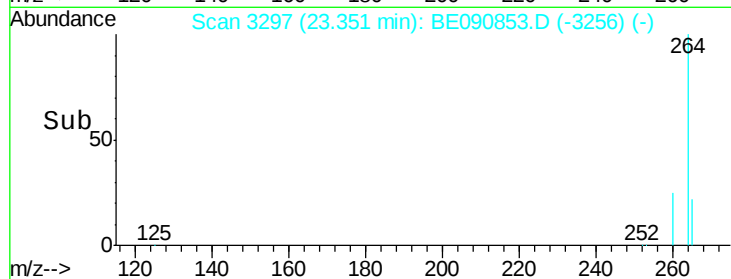
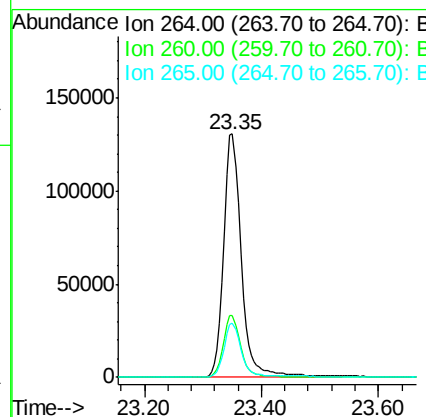
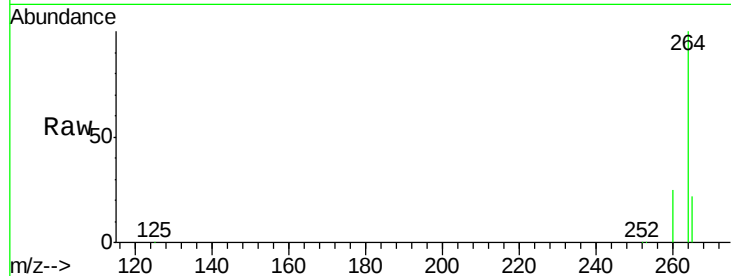




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3297
Delta R.T. -0.01 min
Lab File: BE090853.D
Acq: 16 Sep 2015 20:38

Instrument :
BNA_E
ClientSampleId :
091415-D549-E-U-M

Tot Ion:264 Resp: 271048
Ion Ratio Lower Upper
264 100
260 25.2 19.7 29.5
265 22.0 17.5 26.3



#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.75 min Scan# 3819
Delta R.T. -0.00 min
Lab File: BE090853.D
Acq: 16 Sep 2015 20:38

Tgt Ion:278 Resp: 23
Ion Ratio Lower Upper
278 100
139 107.9 15.4 23.0#
279 87.6 18.8 28.2#

