

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090933.D
 Acq On : 22 Sep 2015 00:02
 Operator : UM/IZ
 Sample : G3746-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091715-D549-F-D-B

Quant Time: Sep 22 00:44:32 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE091815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 18 18:17:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	9939	5.00	ng	0.00
7) Naphthalene-d8	10.32	136	34668	5.00	ng	0.02
13) Acenaphthene-d10	14.17	164	14719	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	32131	5.00	ng	0.00
26) Chrysene-d12	21.07	240	34762	5.00	ng	0.00
33) Perylene-d12	23.36	264	31643	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	7066	3.15	ng	0.00
5) Phenol-d6	6.77	99	3988	1.29	ng	0.02
8) Nitrobenzene-d5	8.73	82	8325	3.48	ng	0.03
14) 2,4,6-Tribromophenol	15.69	330	2595	5.00	ng	0.00
15) 2-Fluorobiphenyl	12.81	172	18035	4.32	ng	0.00
28) Terphenyl-d14	19.53	244	23664	6.03	ng	0.00

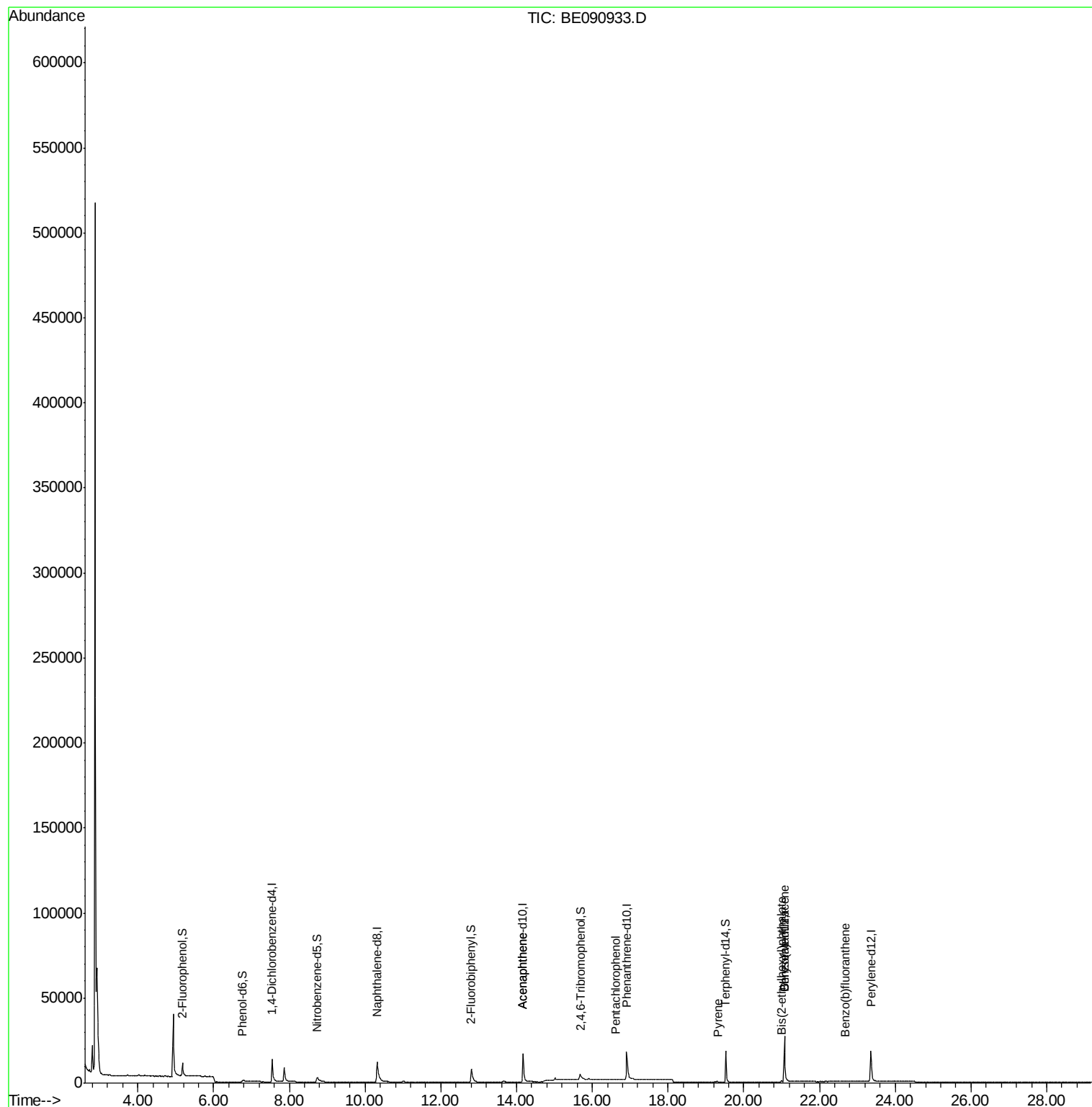
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.45	42	13	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.96	93	12	Below Cal	#	16
10) Naphthalene	10.37	128	54	Below Cal	#	1
11) Hexachlorobutadiene	10.66	225	3	Below Cal	#	1
17) Acenaphthene	14.17	154	108	0.03	ng	1
18) Fluorene	15.24	166	42	Below Cal	#	1
21) Hexachlorobenzene	16.25	284	29	Below Cal	#	1
22) Pentachlorophenol	16.63	266	11	0.20	ng	62
23) Phenanthrene	16.96	178	316	Below Cal	#	57
27) Pyrene	19.32	202	186	0.02	ng	92
29) Benzo(a)anthracene	21.07	228	176	0.02	ng	21
30) Chrysene	21.10	228	164	Below Cal	#	36
31) Bis(2-ethylhexyl)phthalate	21.00	149	990	0.41	ng	90
34) Benzo(b)fluoranthene	22.67	252	193	0.03	ng	1

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

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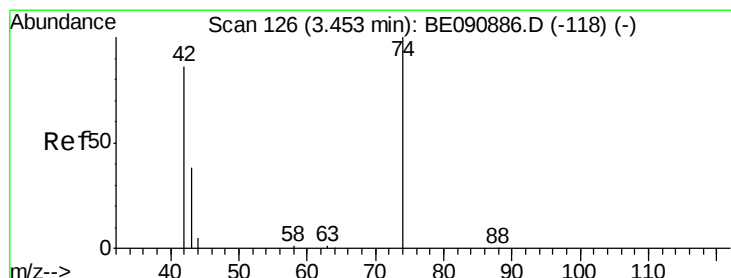
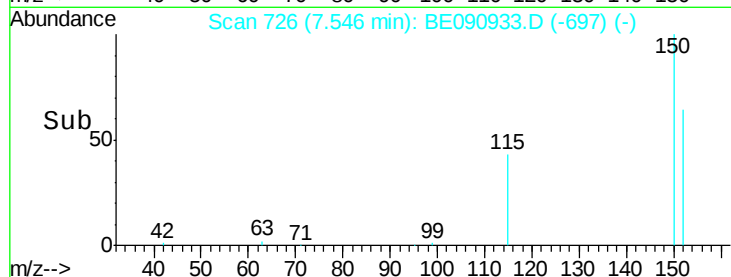
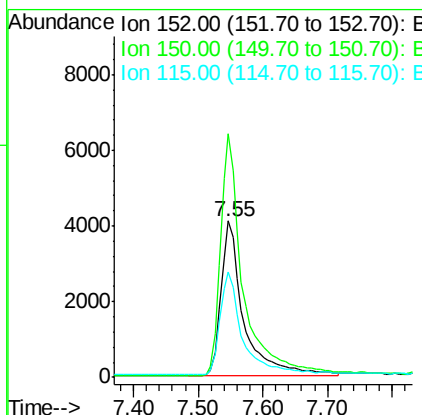
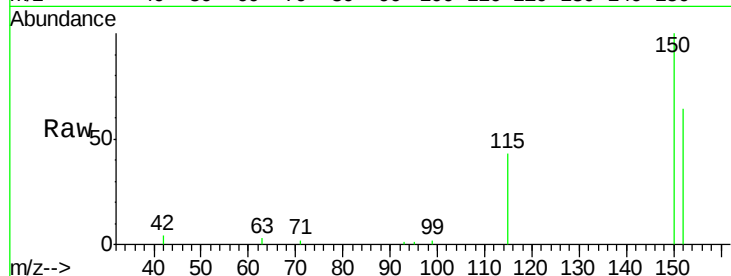




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.55 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: BE090933.D
 Acq: 22 Sep 2015 00:02

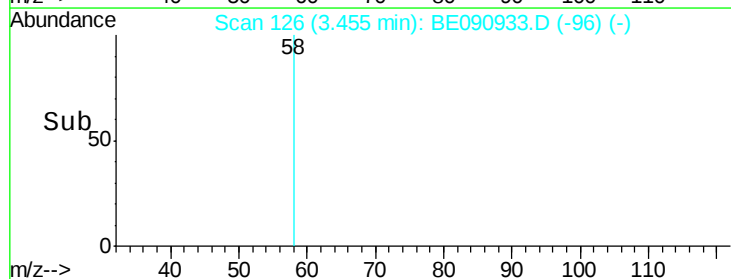
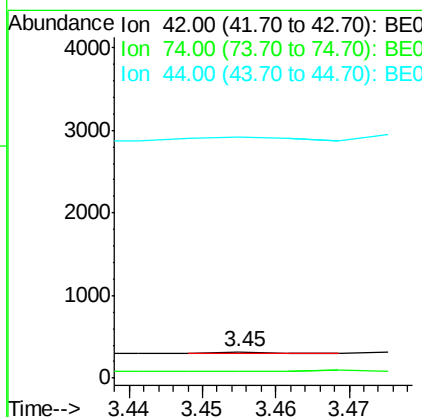
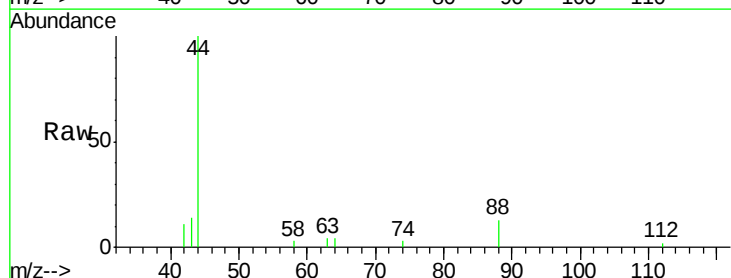
Instrument :
 BNA_E
 ClientSampleId :
 091715-D549-F-D-B

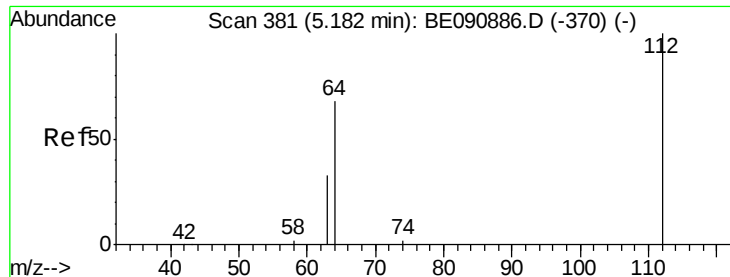
Tot Ion:152 Resp: 9939
 Ion Ratio Lower Upper
 152 100
 150 155.7 122.2 183.4
 115 67.7 51.0 76.4



#3
 n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090933.D
 Acq: 22 Sep 2015 00:02

Tgt Ion: 42 Resp: 13
 Ion Ratio Lower Upper
 42 100
 74 53.8 83.7 125.5#
 44 830.8 10.0 15.0#





#4

2-Fluorophenol

Concen: 3.15 ng

RT: 5.18 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-B

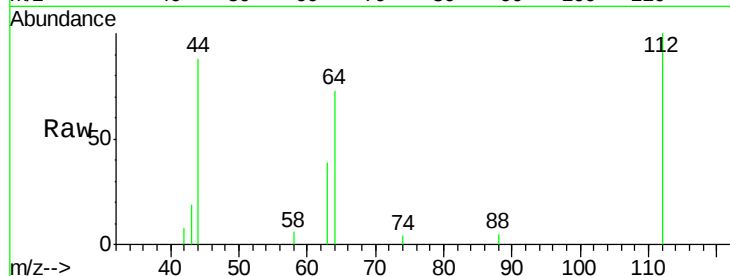
Tot Ion:112 Resp: 7066

Ion Ratio Lower Upper

112 100

64 70.4 57.3 85.9

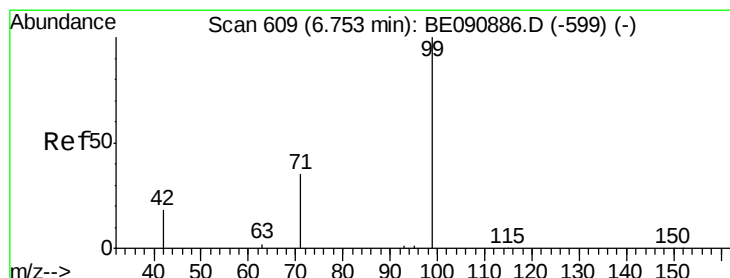
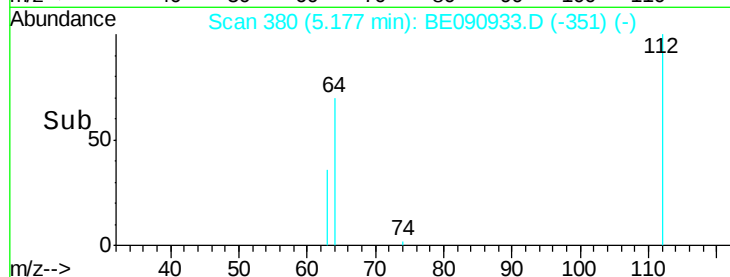
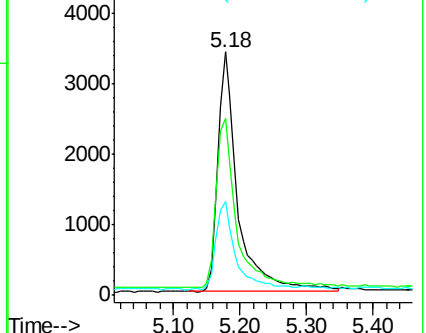
63 35.9 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.29 ng

RT: 6.77 min Scan# 612

Delta R.T. 0.02 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

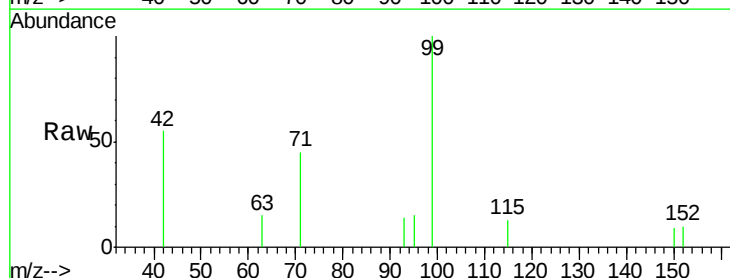
Tgt Ion: 99 Resp: 3988

Ion Ratio Lower Upper

99 100

42 12.3 16.8 25.2#

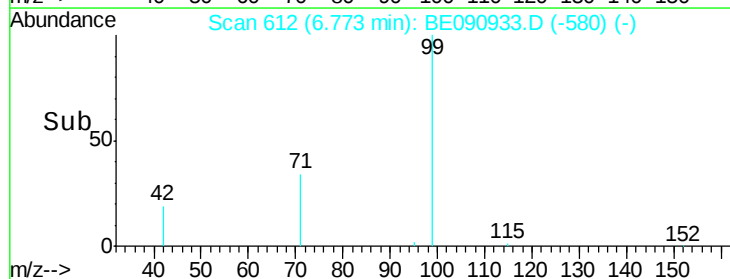
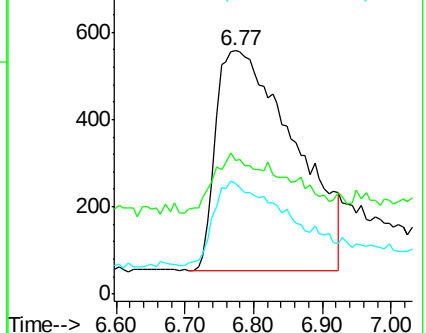
71 33.1 28.3 42.5

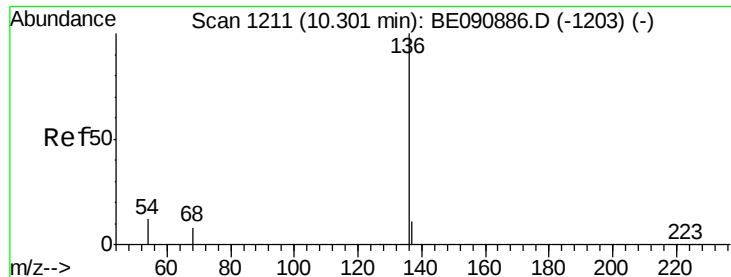


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.32 min Scan# 1214

Delta R.T. 0.02 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-B

Tot Ion:136 Resp: 34668

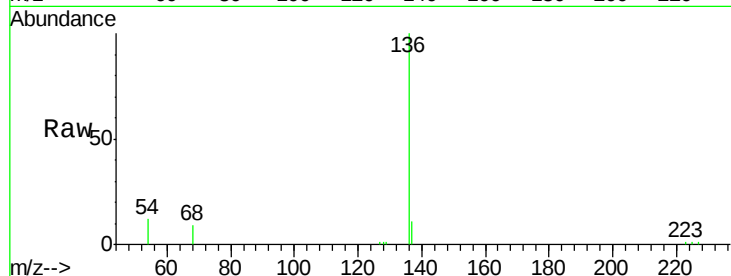
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 12.2 9.0 13.6

68 8.8 6.3 9.5

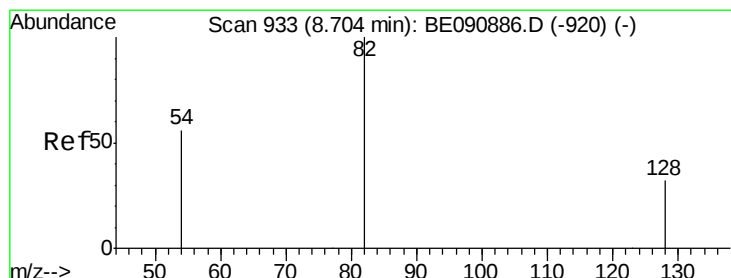
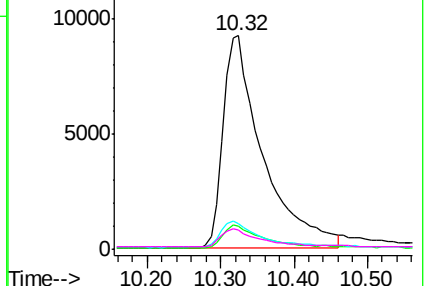
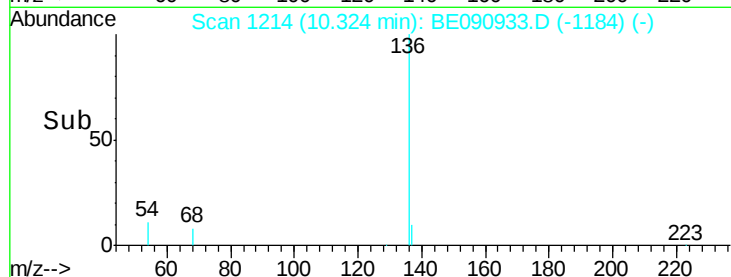


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 3.48 ng

RT: 8.73 min Scan# 939

Delta R.T. 0.03 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

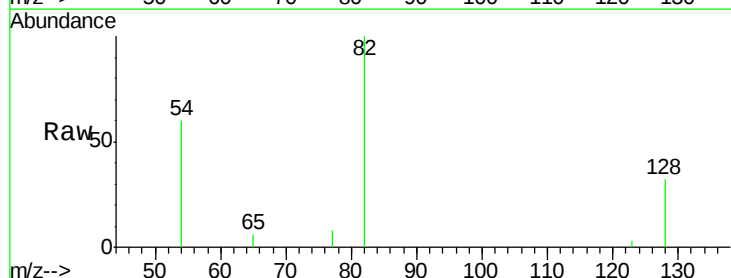
Tgt Ion: 82 Resp: 8325

Ion Ratio Lower Upper

82 100

128 32.0 25.0 37.4

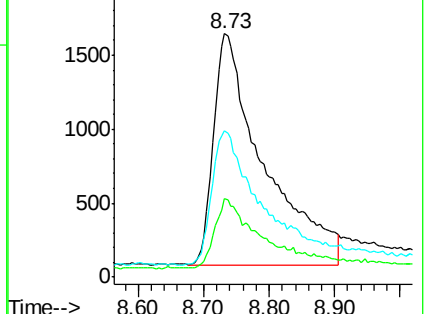
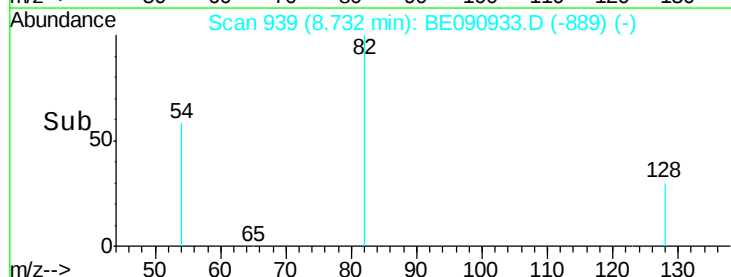
54 60.1 46.3 69.5

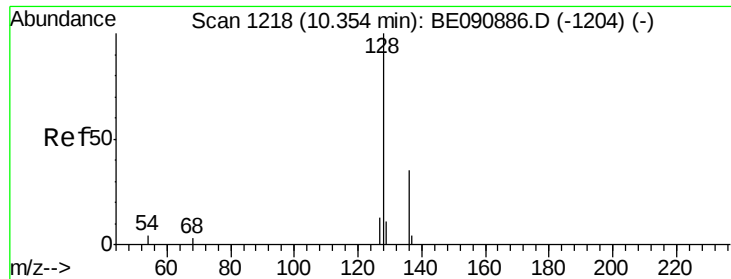


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Naphthalene

Concen: Below Cal

RT: 10.37 min Scan# 1220

Delta R.T. 0.02 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-B

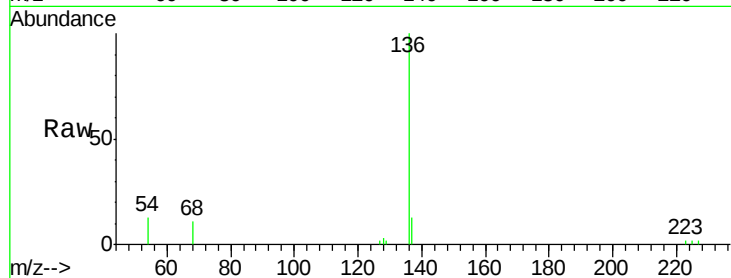
Tot Ion:128 Resp: 54

Ion Ratio Lower Upper

128 100

129 75.6 8.4 12.6#

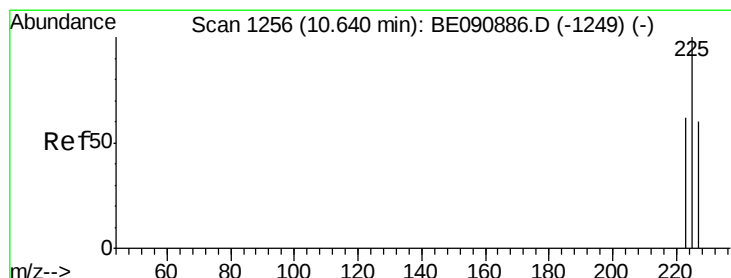
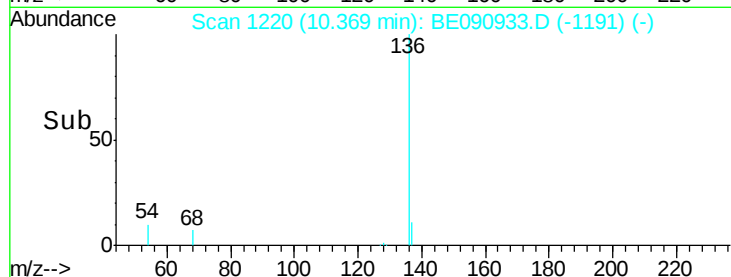
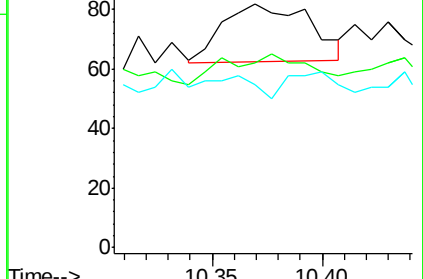
127 67.1 9.9 14.9#



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



#11

Hexachlorobutadiene

Concen: Below Cal

RT: 10.66 min Scan# 1258

Delta R.T. 0.02 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

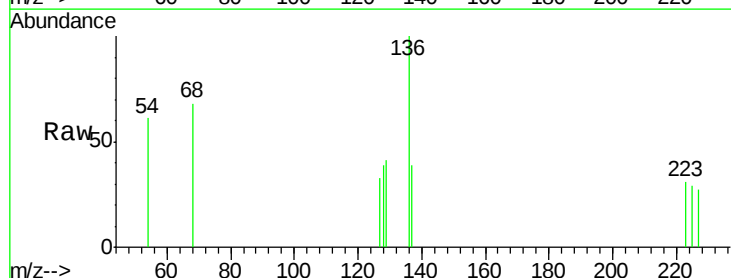
Tgt Ion:225 Resp: 3

Ion Ratio Lower Upper

225 100

223 300.0 50.6 76.0#

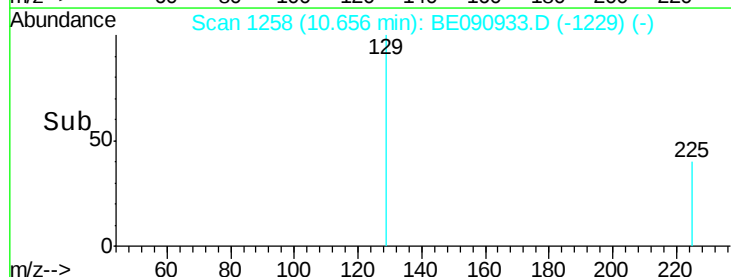
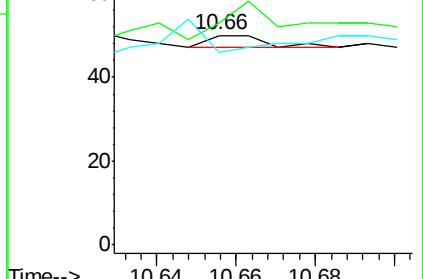
227 100.0 51.0 76.6#

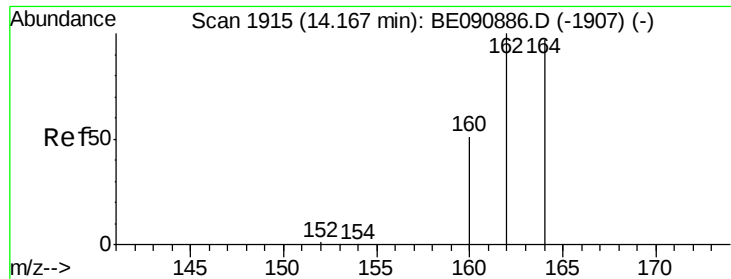


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-B

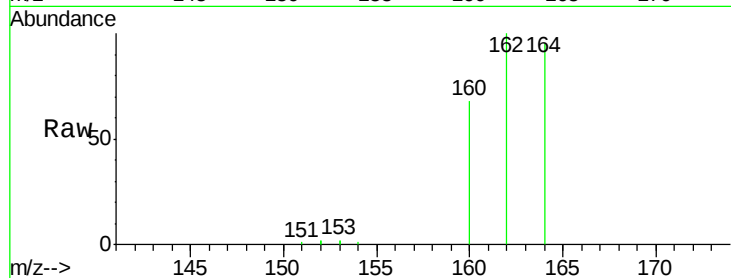
Tot Ion:164 Resp: 14719

Ion Ratio Lower Upper

164 100

162 105.6 86.8 130.2

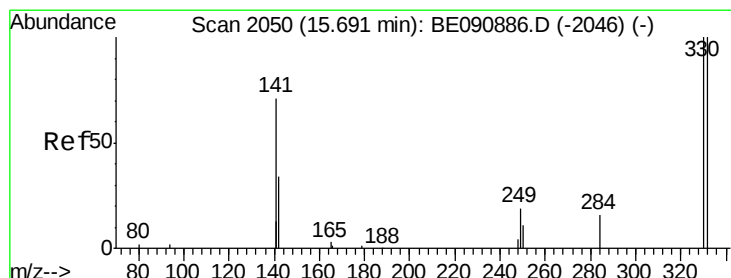
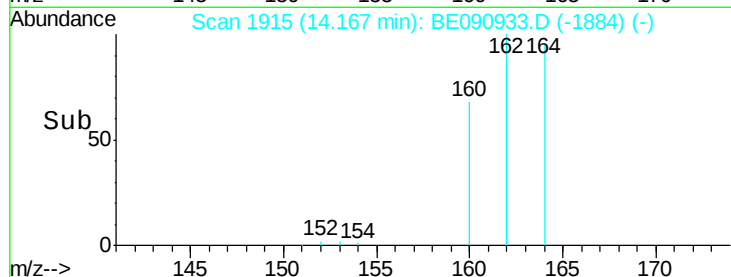
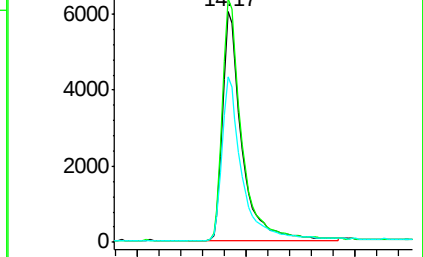
160 72.0 53.9 80.9



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



#14

2,4,6-Tribromophenol

Concen: 5.00 ng

RT: 15.69 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

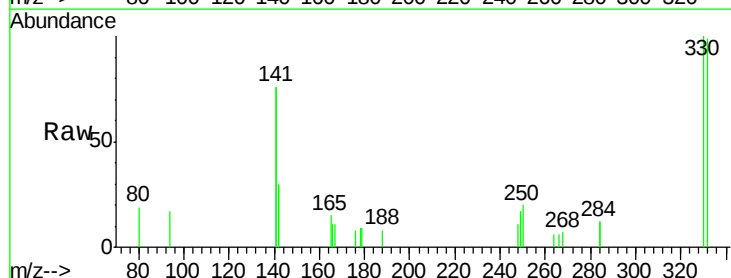
Tgt Ion:330 Resp: 2595

Ion Ratio Lower Upper

330 100

332 97.0 74.9 112.3

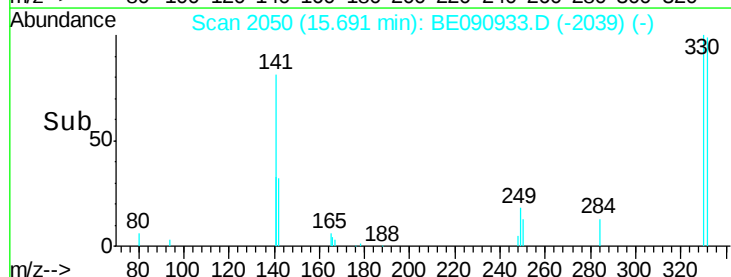
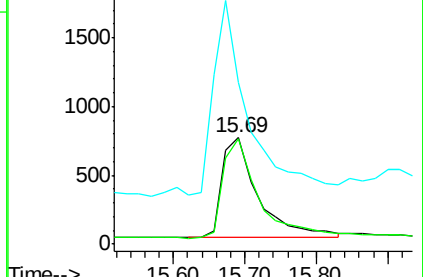
141 198.2 145.2 217.8

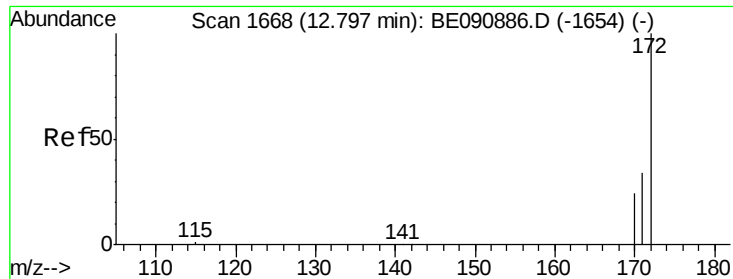


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

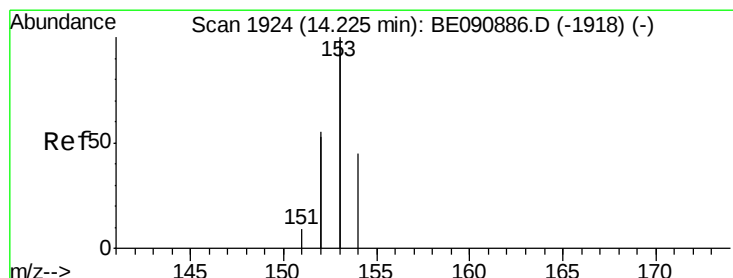
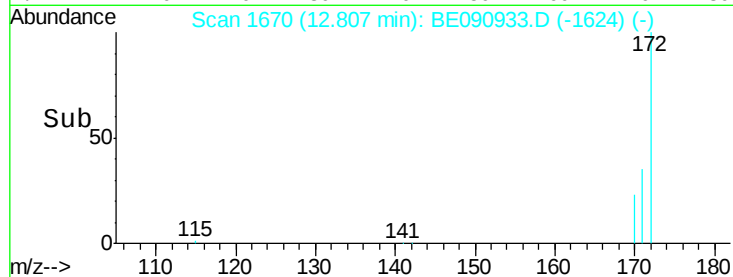
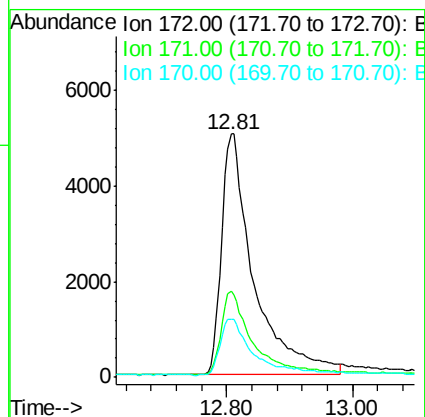
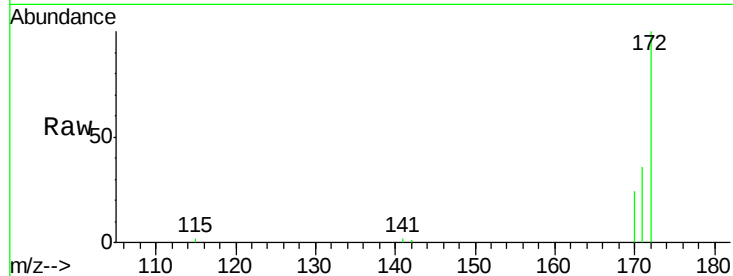




#15
2-Fluorobiphenyl
Concen: 4.32 ng
RT: 12.81 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BE090933.D
Acq: 22 Sep 2015 00:02

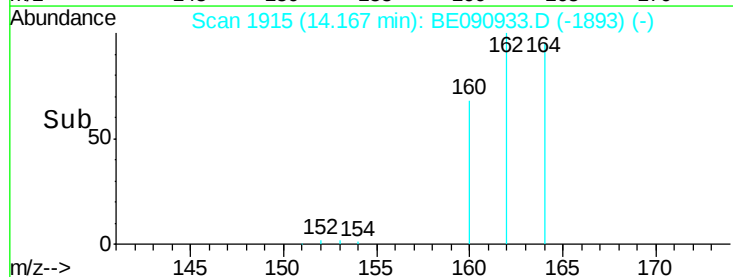
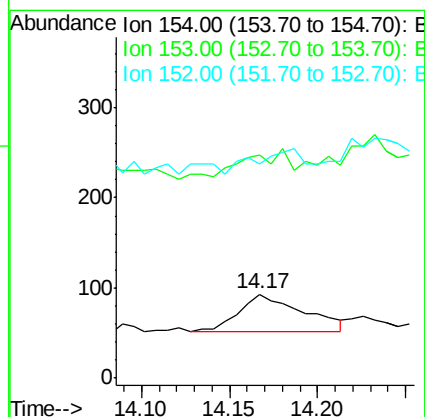
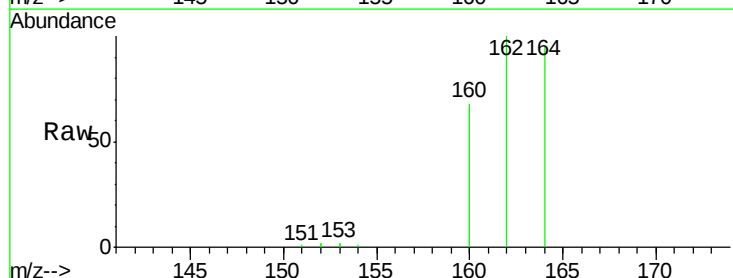
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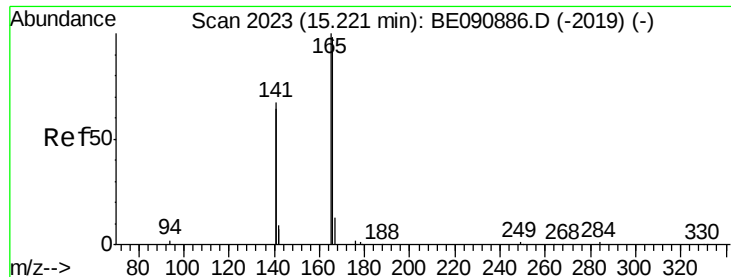
Tot Ion:172 Resp: 18035
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.8
170 23.7 19.8 29.6



#17
Acenaphthene
Concen: 0.03 ng
RT: 14.17 min Scan# 1915
Delta R.T. -0.06 min
Lab File: BE090933.D
Acq: 22 Sep 2015 00:02

Tgt Ion:154 Resp: 108
Ion Ratio Lower Upper
154 100
153 71.3 354.5 531.7#
152 50.9 227.8 341.6#





#18

Fluorene

Concen: Below Cal

RT: 15.24 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-B

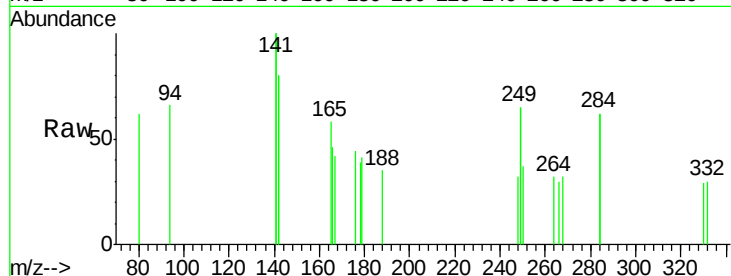
Tot Ion:166 Resp: 42

Ion Ratio Lower Upper

166 100

165 285.7 82.7 124.1#

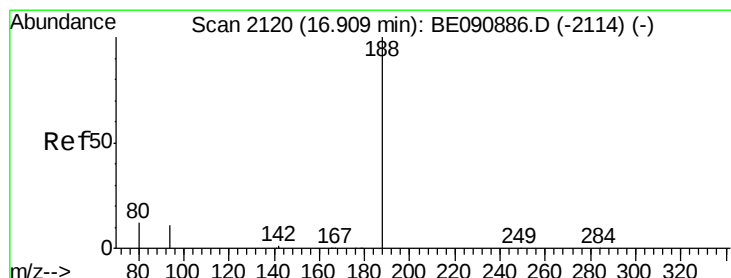
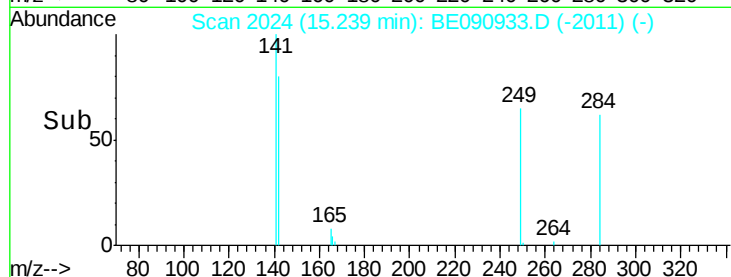
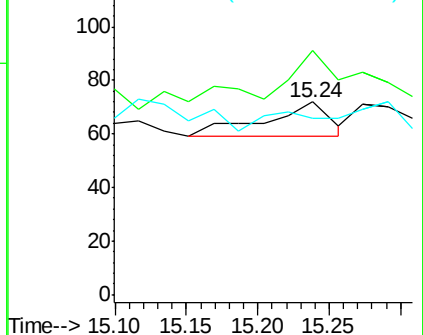
167 45.2 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

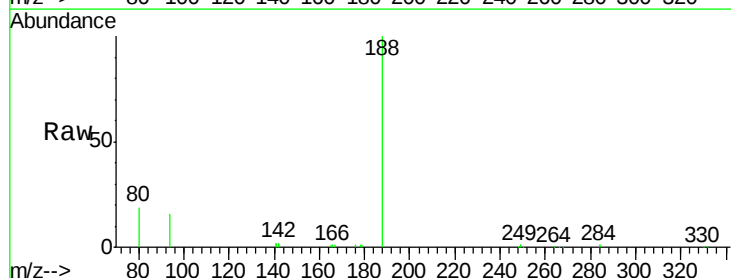
Tgt Ion:188 Resp: 32131

Ion Ratio Lower Upper

188 100

94 15.9 10.3 15.5#

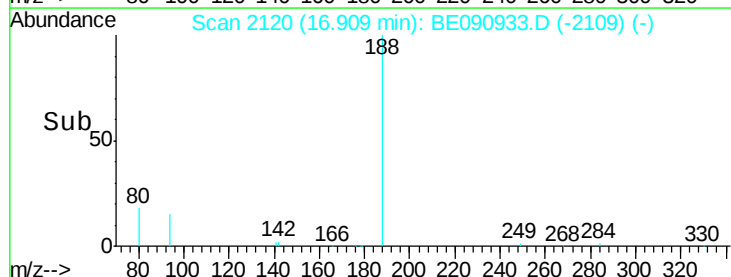
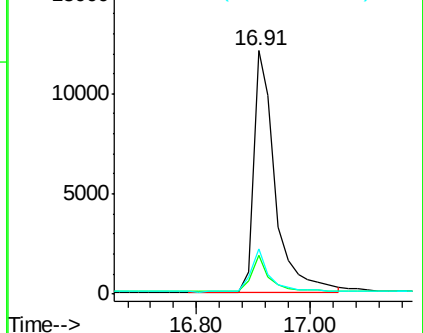
80 18.6 11.0 16.6#

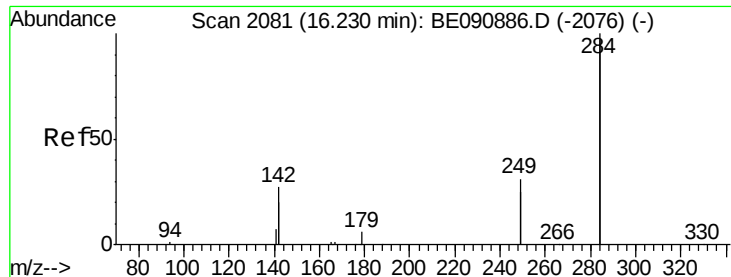


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.25 min Scan# 2082

Delta R.T. 0.02 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-B

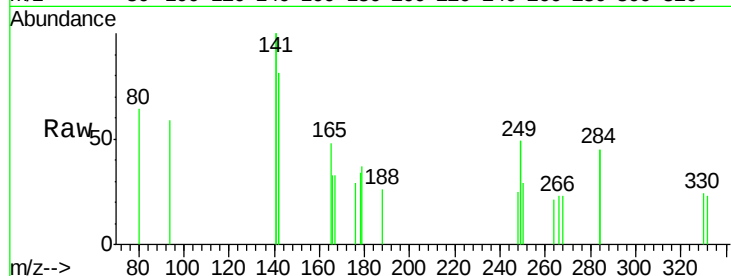
Tot Ion:284 Resp: 29

Ion Ratio Lower Upper

284 100

142 210.3 35.0 52.4#

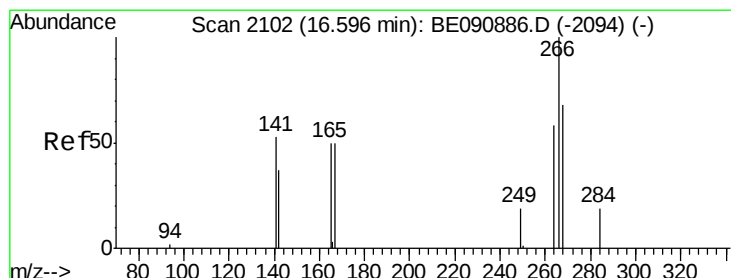
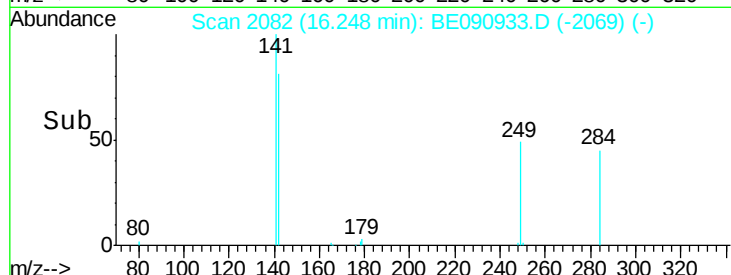
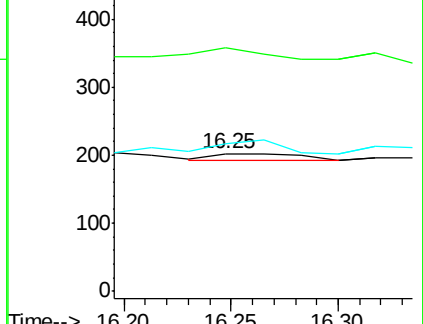
249 131.0 25.5 38.3#



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



#22

Pentachlorophenol

Concen: 0.20 ng

RT: 16.63 min Scan# 2104

Delta R.T. 0.04 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

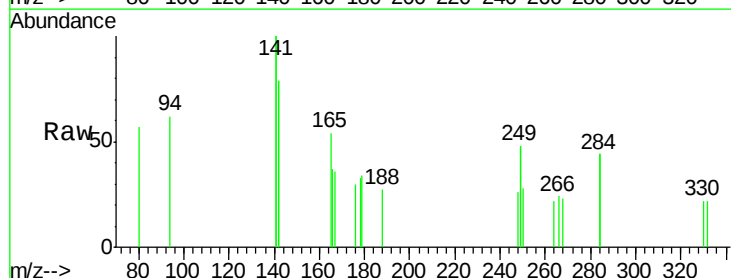
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

268 96.2 49.6 74.4#

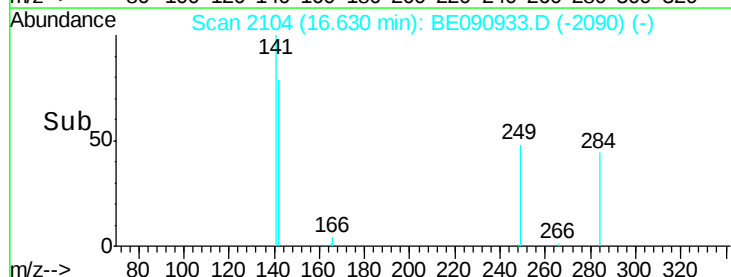
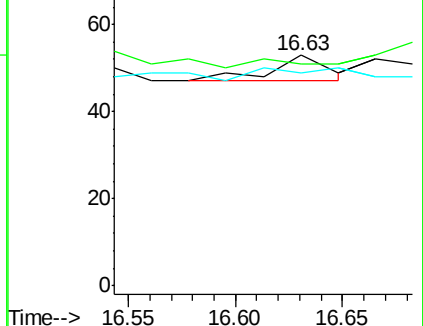
264 92.5 53.9 80.9#

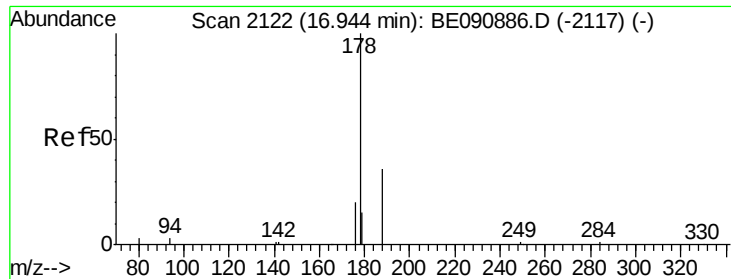


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 16.96 min Scan# 2123

Delta R.T. 0.02 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-B

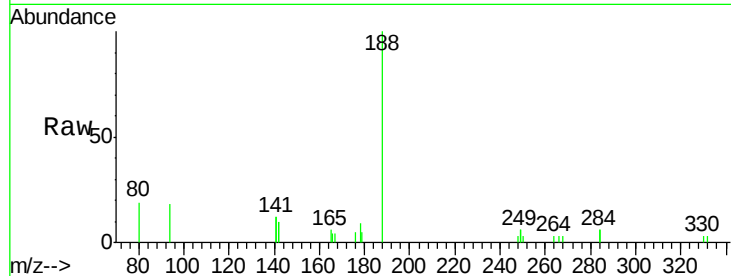
Tot Ion:178 Resp: 316

Ion Ratio Lower Upper

178 100

176 26.9 15.6 23.4#

179 48.4 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

16.96

150

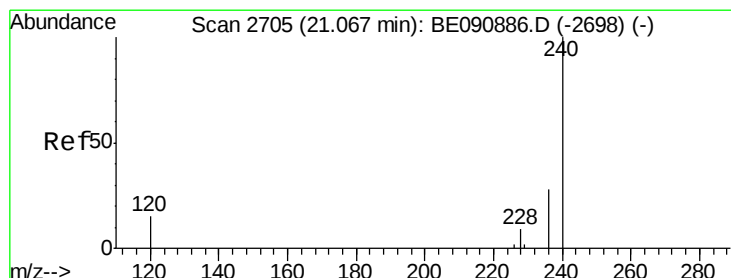
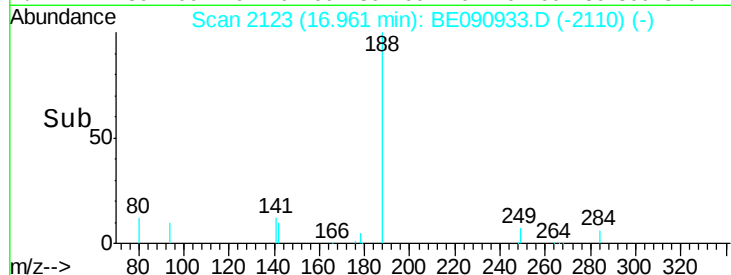
100

50

0

16.80 16.90 17.00

Time-->



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2706

Delta R.T. 0.01 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

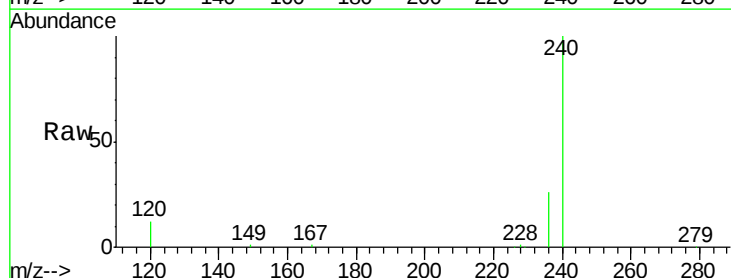
Tgt Ion:240 Resp: 34762

Ion Ratio Lower Upper

240 100

120 12.2 10.1 15.1

236 26.1 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

21.07

25000

20000

15000

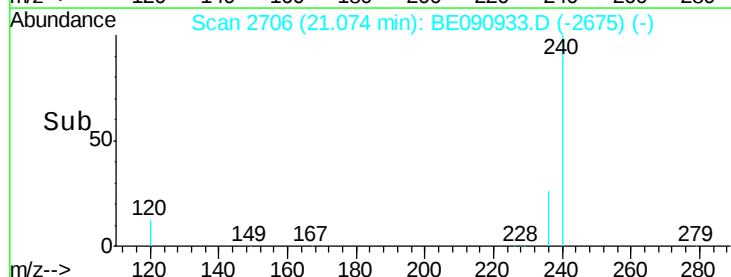
10000

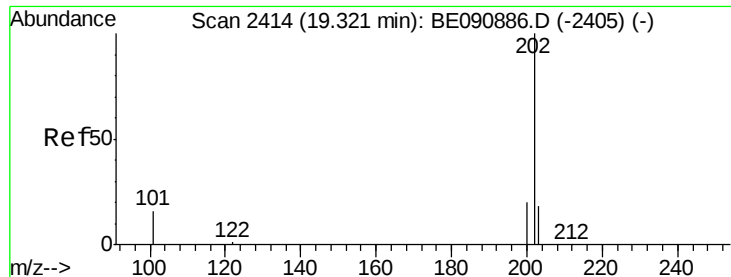
5000

0

21.00 21.10 21.20 21.30

Time-->





#27

Pvrene

Concen: 0.02 ng

RT: 19.32 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-B

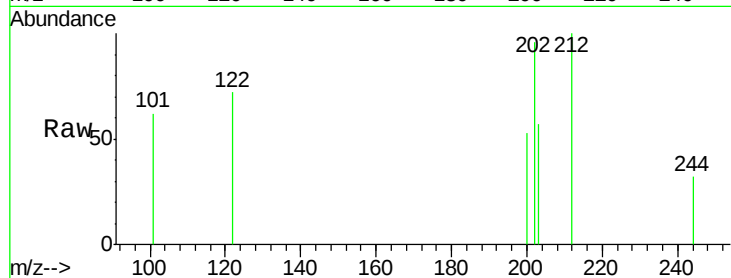
Tot Ion:202 Resp: 186

Ion Ratio Lower Upper

202 100

200 26.3 16.7 25.1#

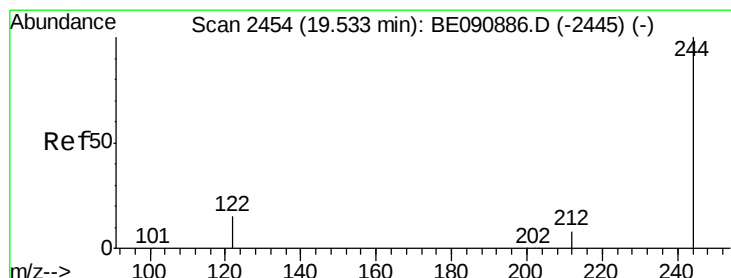
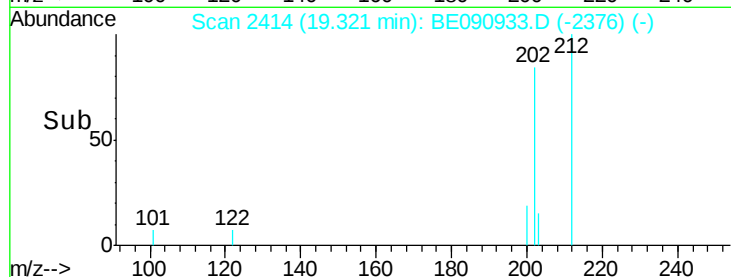
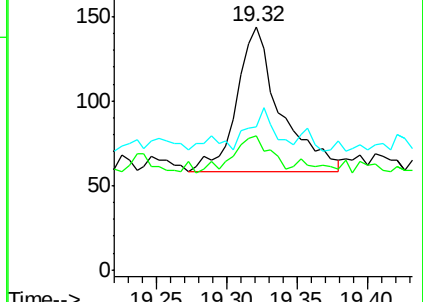
203 16.1 13.8 20.6



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



#28

Terphenyl-d14

Concen: 6.03 ng

RT: 19.53 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

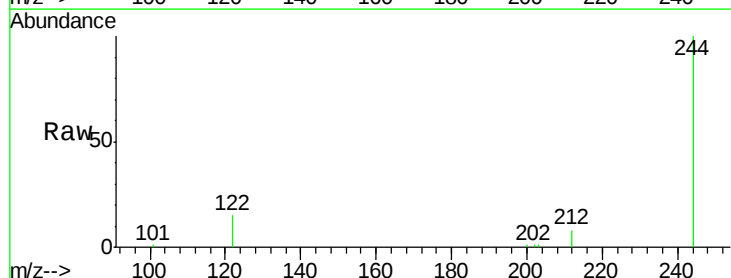
Tgt Ion:244 Resp: 23664

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

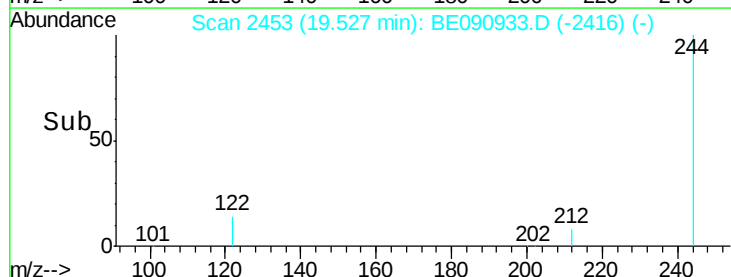
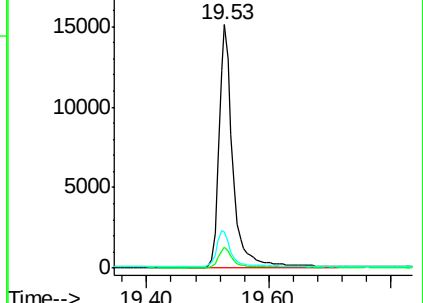
122 14.8 12.9 19.3

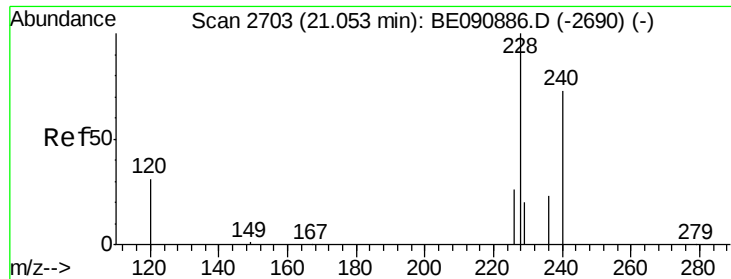


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.07 min Scan# 2705

Delta R.T. 0.01 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-B

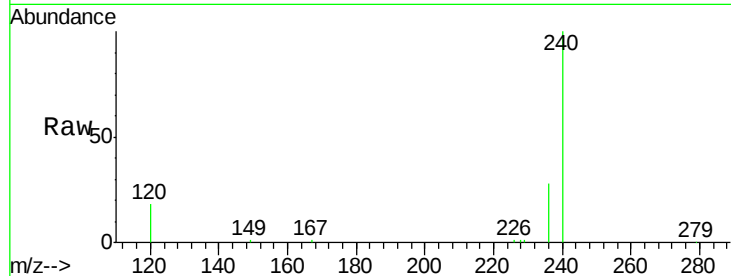
Tot Ion:228 Resp: 176

Ion Ratio Lower Upper

228 100

226 60.6 21.6 32.4#

229 65.5 15.9 23.9#

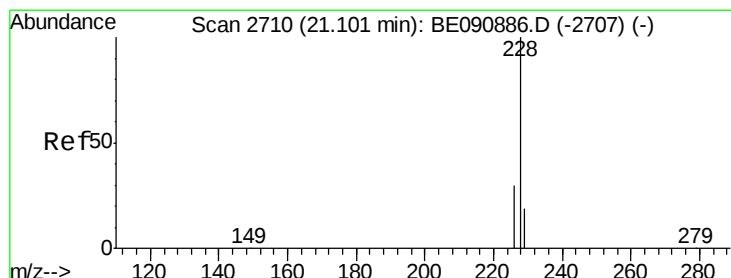
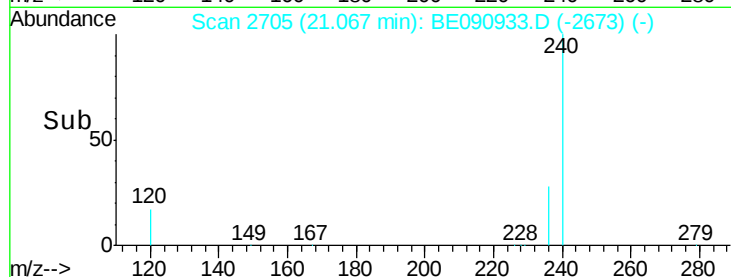
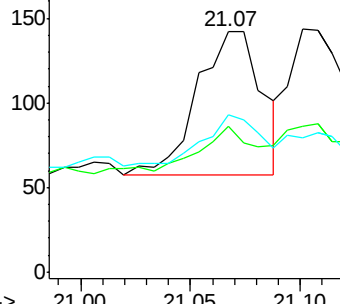


Abundance

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



#30

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

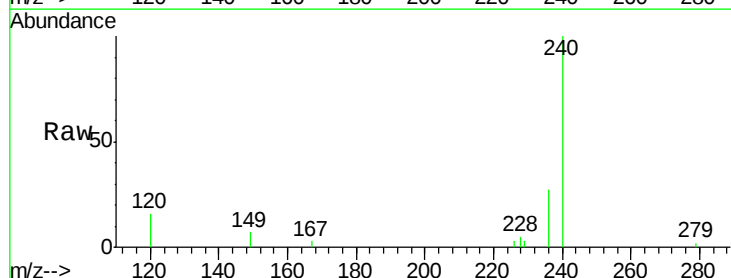
Tgt Ion:228 Resp: 164

Ion Ratio Lower Upper

228 100

226 59.7 24.2 36.4#

229 54.9 15.3 22.9#

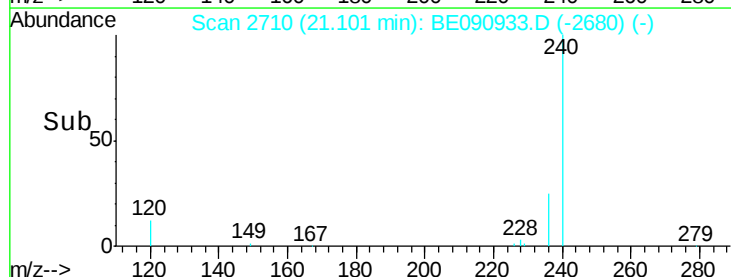
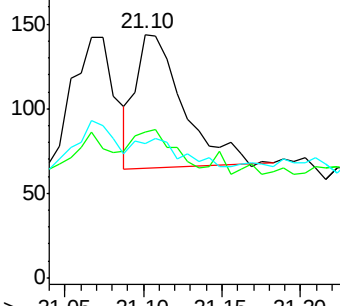


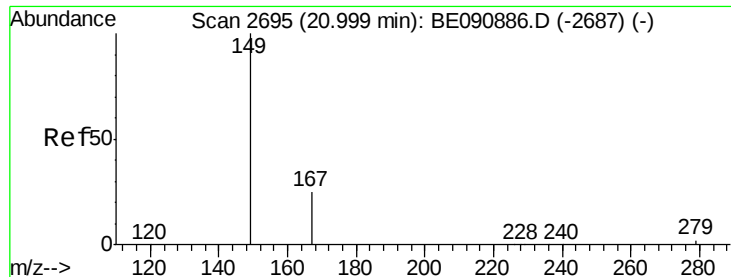
Abundance

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

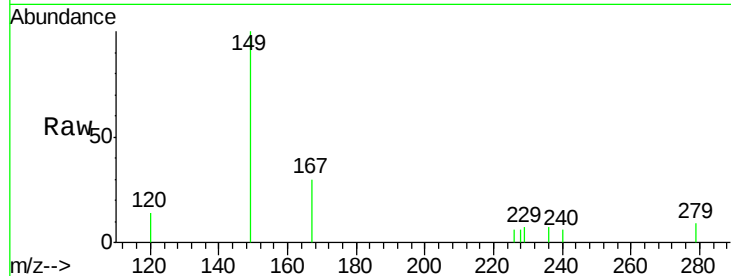




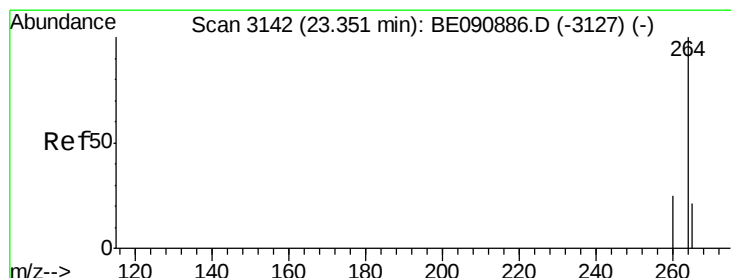
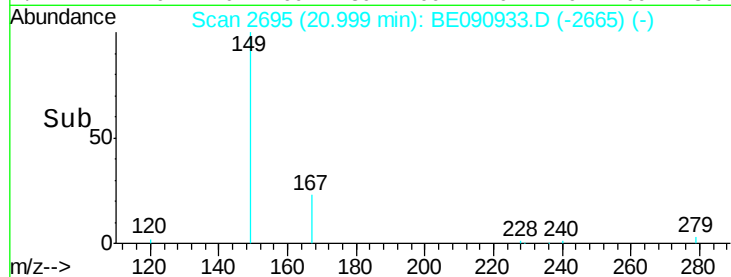
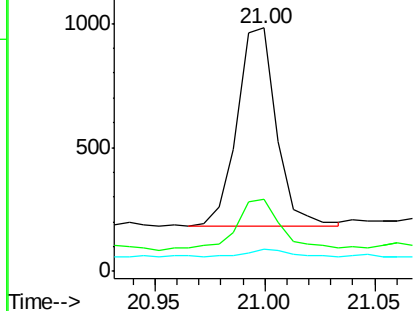
#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.41 ng
 RT: 21.00 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: BE090933.D
 Acq: 22 Sep 2015 00:02

Instrument :
 BNA_E
 ClientSampleId :
 091715-D549-F-D-B

Tot Ion:149 Resp: 990
 Ion Ratio Lower Upper
 149 100
 167 30.5 20.1 30.1#
 279 3.4 2.3 3.5

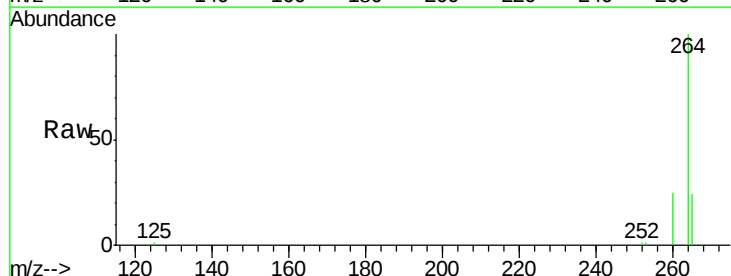


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

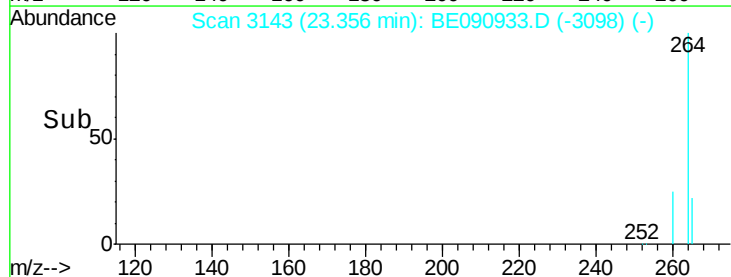
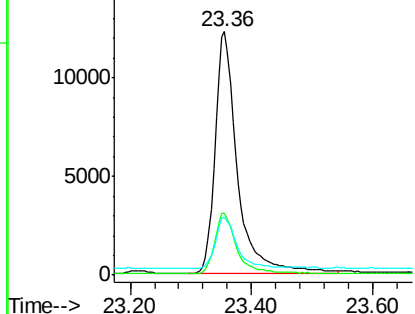


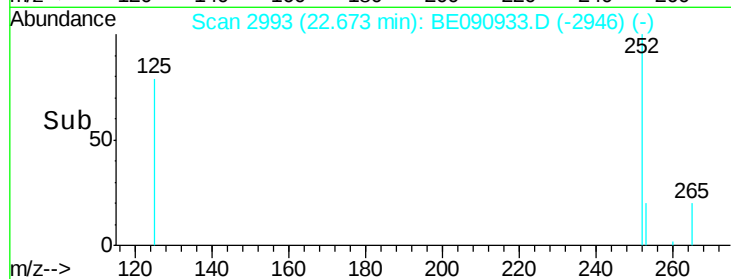
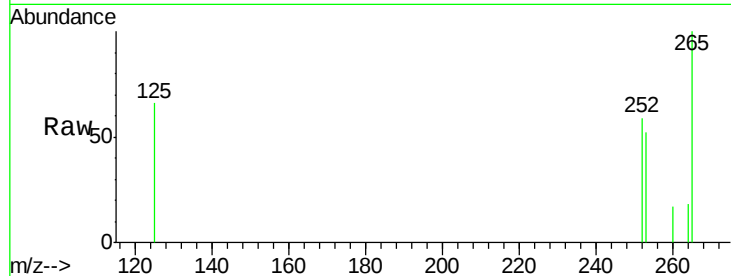
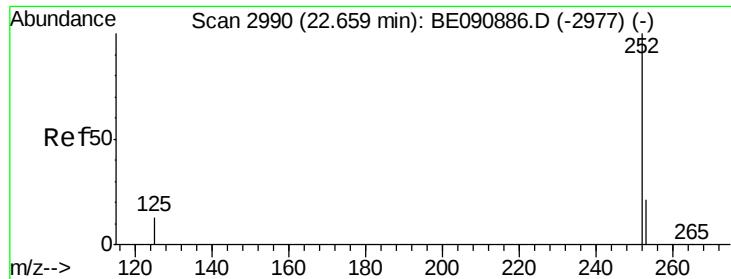
#33
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3143
 Delta R.T. 0.00 min
 Lab File: BE090933.D
 Acq: 22 Sep 2015 00:02

Tgt Ion:264 Resp: 31643
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.7 29.5
 265 24.0 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





#34

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.67 min Scan# 2993

Delta R.T. 0.01 min

Lab File: BE090933.D

Acq: 22 Sep 2015 00:02

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-B

Tot Ion: 252 Resp: 193

Ion Ratio Lower Upper

252 100

253 88.5 17.9 26.9#

125 112.5 10.6 16.0#

