

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090931.D
 Acq On : 21 Sep 2015 22:51
 Operator : UM/IZ
 Sample : G3746-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Sep 22 00:44:06 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	29499	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	127567	5.00	ng	0.00
13) Acenaphthene-d10	14.17	164	69472	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	171942	5.00	ng	0.00
26) Chrysene-d12	21.07	240	219001	5.00	ng	0.00
33) Perylene-d12	23.35	264	200941	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	13229	1.97	ng	0.00
5) Phenol-d6	6.78	99	10102	1.10	ng	0.03
8) Nitrobenzene-d5	8.72	82	23388	2.66	ng	0.01
14) 2,4,6-Tribromophenol	15.67	330	14902	6.08	ng	-0.02
15) 2-Fluorobiphenyl	12.80	172	60559	3.07	ng	0.00
28) Terphenyl-d14	19.52	244	134289	5.43	ng	0.00

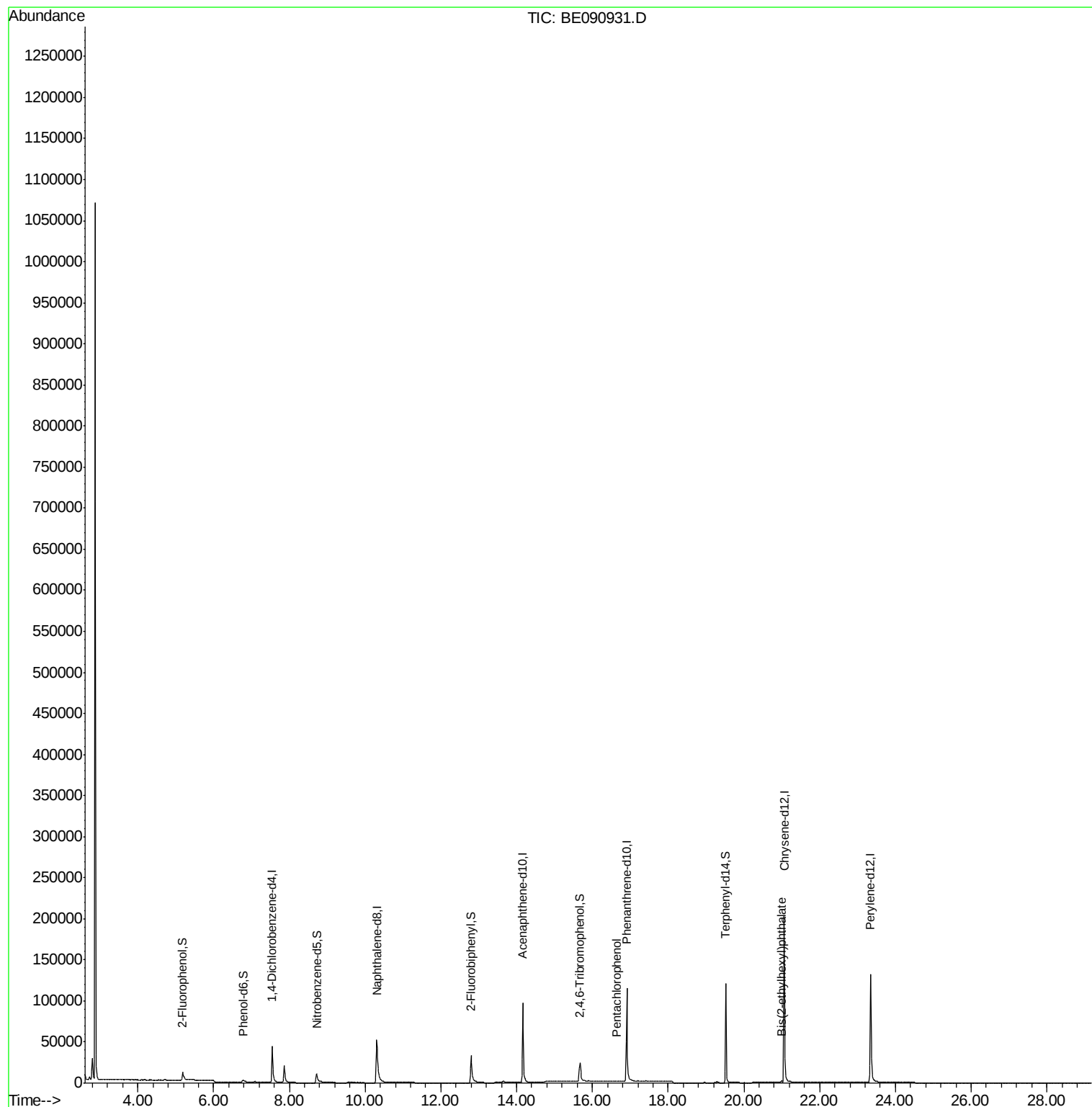
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	92	Below Cal	#	23
3) n-Nitrosodimethylamine	3.47	42	51	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.98	93	14	Below Cal	#	16
10) Naphthalene	10.36	128	64	Below Cal	#	1
11) Hexachlorobutadiene	10.62	225	6	Below Cal	#	1
18) Fluorene	15.24	166	182	Below Cal	#	62
21) Hexachlorobenzene	16.23	284	13	Below Cal	#	1
22) Pentachlorophenol	16.63	266	41	0.19 ng	#	57
23) Phenanthrene	16.94	178	898	Below Cal	#	75
30) Chrysene	21.06	228	1019	Below Cal	#	84
31) Bis(2-ethylhexyl)phthalate	21.00	149	2439	0.26 ng	#	99

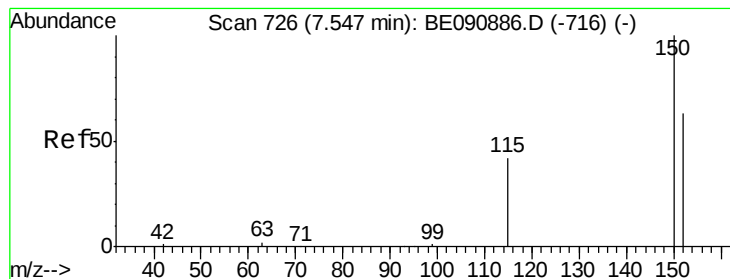
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE091815.M
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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: BE090931.D

Acq: 21 Sep 2015 22:51

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-B

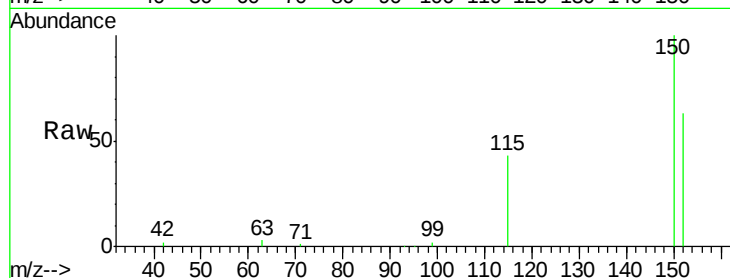
Tot Ion:152 Resp: 29499

Ion Ratio Lower Upper

152 100

150 157.8 122.2 183.4

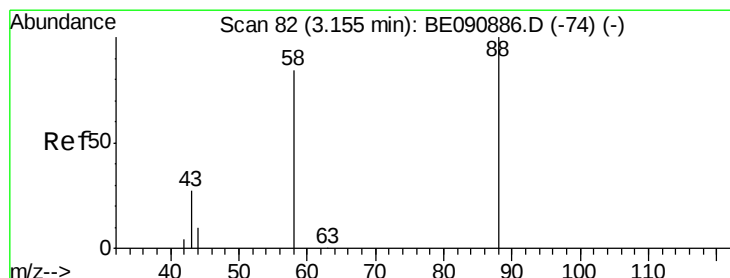
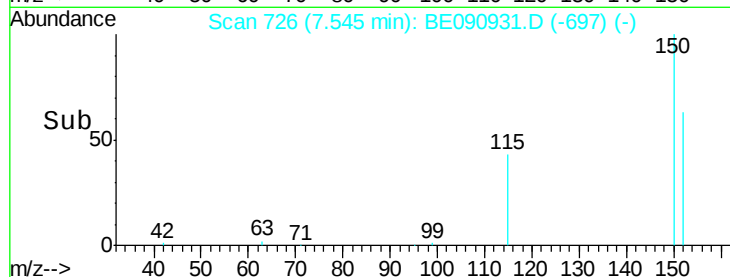
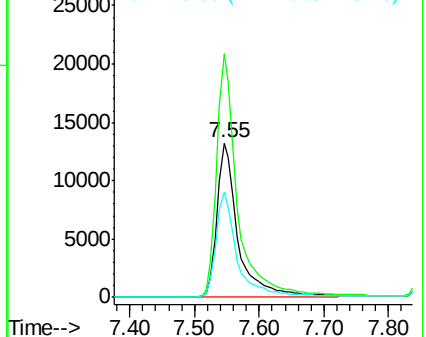
115 68.3 51.0 76.4



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.19 min Scan# 87

Delta R.T. 0.03 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

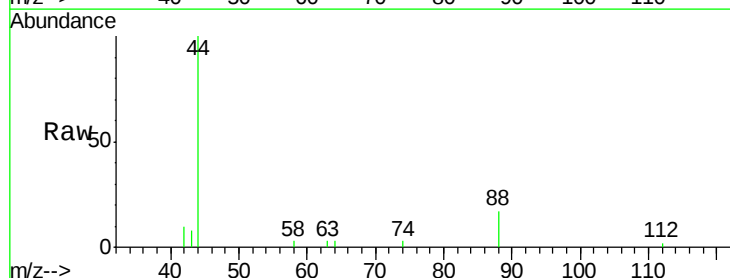
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

58 8.7 68.4 102.6#

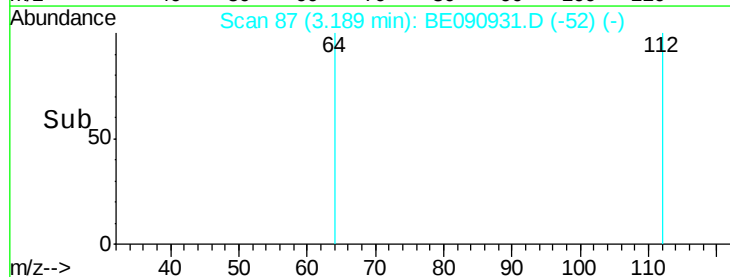
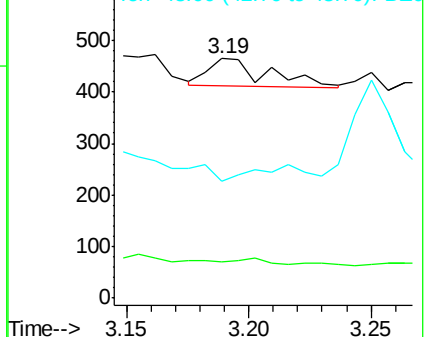
43 0.0 26.9 40.3#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



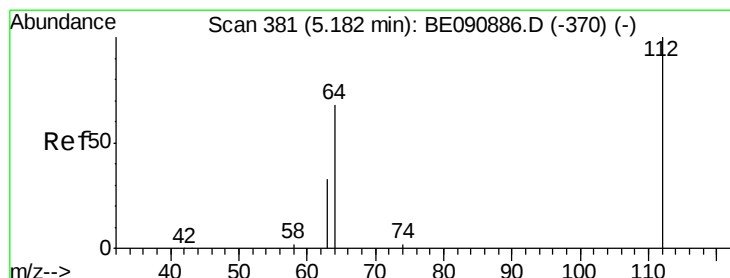
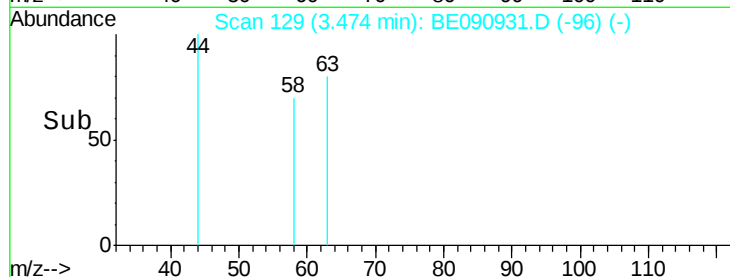
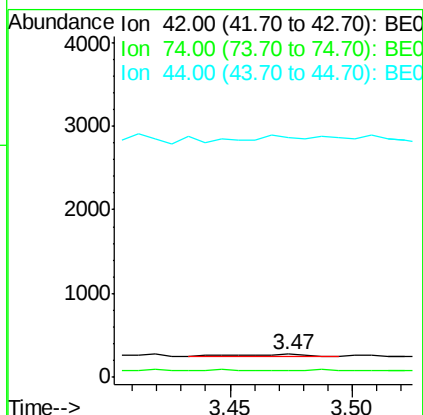
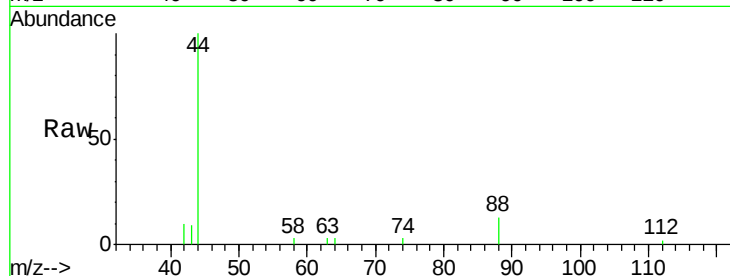


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.47 min Scan# 129
 Delta R.T. 0.02 min
 Lab File: BE090931.D
 Acq: 21 Sep 2015 22:51

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

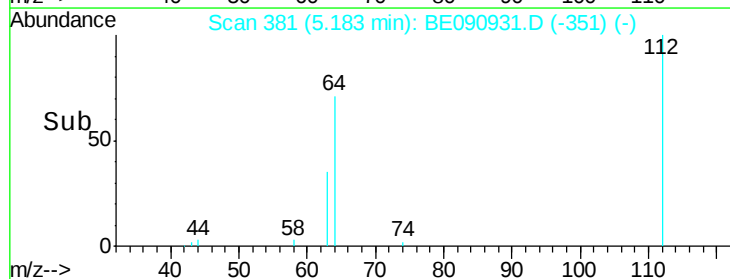
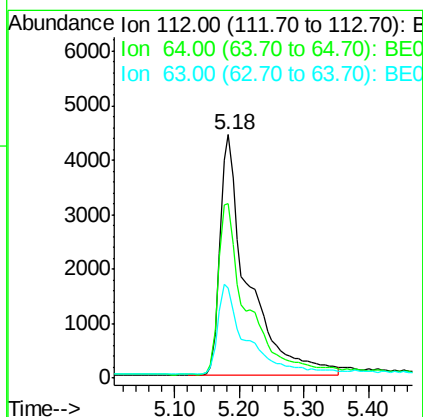
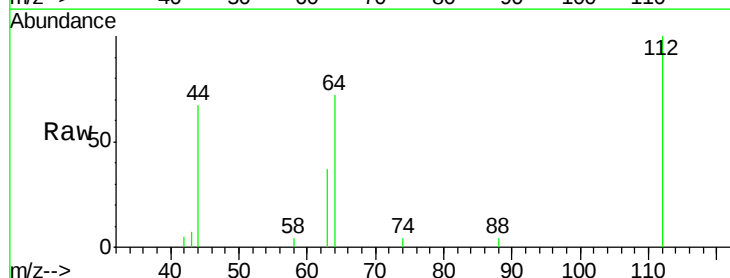
Tot Ion: 42 Resp: 51
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 80.4 10.0 15.0#

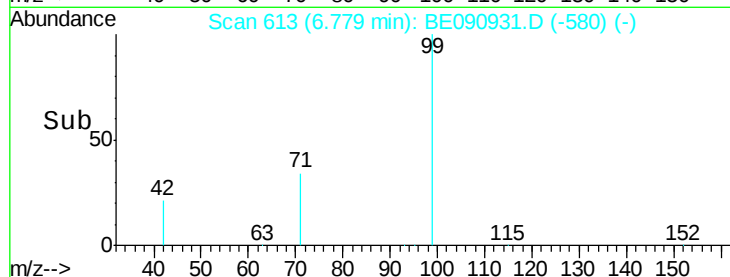
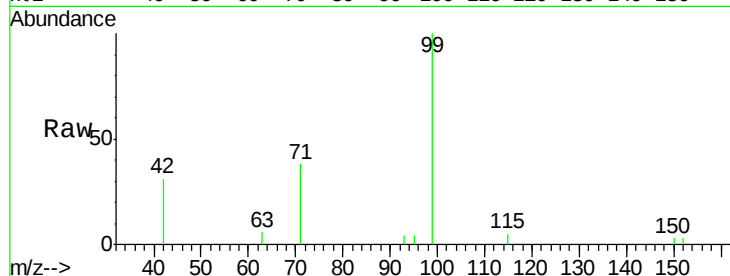
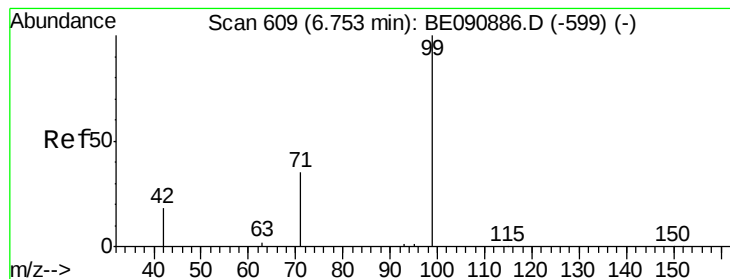


#4

2-Fluorophenol
 Concen: 1.97 ng
 RT: 5.18 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: BE090931.D
 Acq: 21 Sep 2015 22:51

Tgt Ion: 112 Resp: 13229
 Ion Ratio Lower Upper
 112 100
 64 73.3 57.3 85.9
 63 37.9 29.2 43.8





#5

Phenol-d6

Concen: 1.10 ng

RT: 6.78 min Scan# 613

Delta R.T. 0.03 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-B

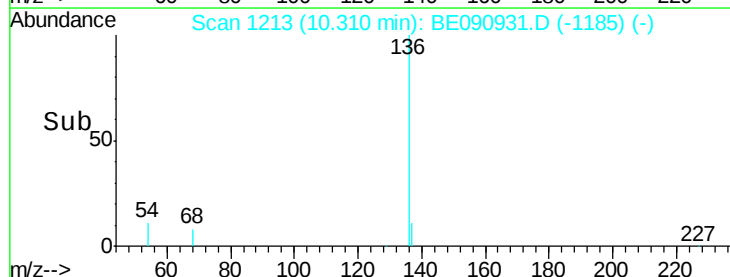
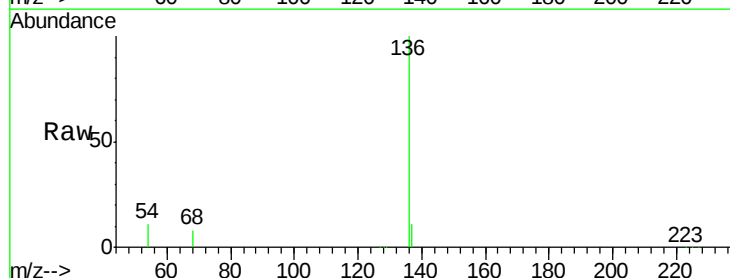
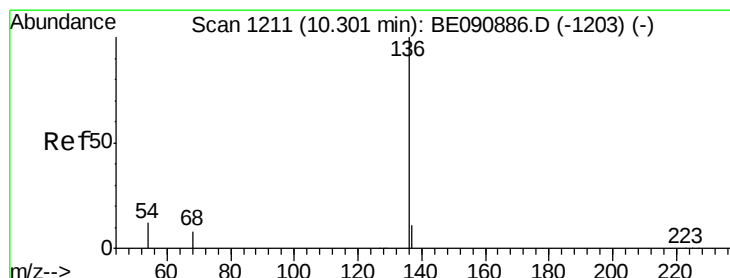
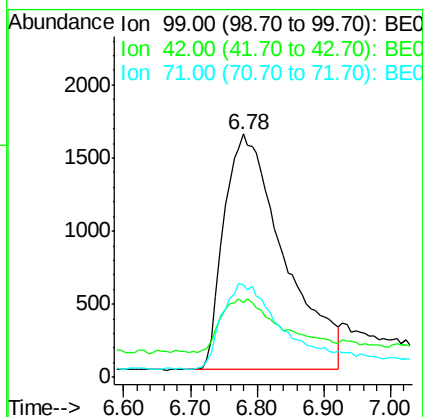
Tot Ion: 99 Resp: 10102

Ion Ratio Lower Upper

99 100

42 23.7 16.8 25.2

71 36.6 28.3 42.5



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1213

Delta R.T. 0.01 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

Tgt Ion: 136 Resp: 127567

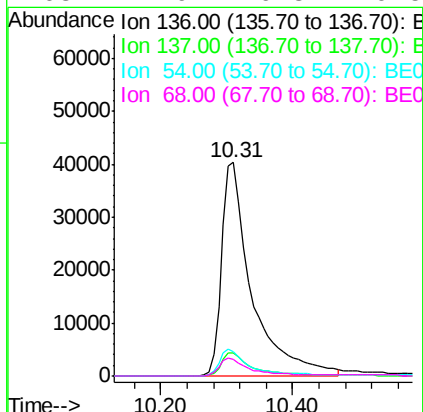
Ion Ratio Lower Upper

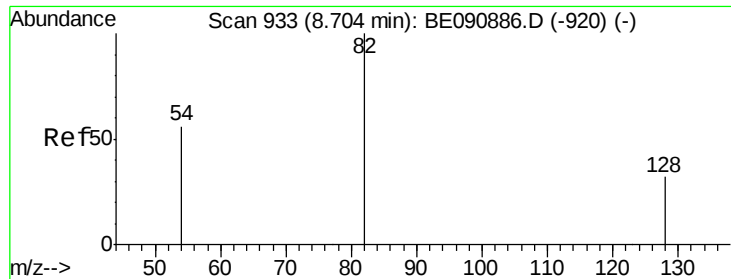
136 100

137 10.8 8.7 13.1

54 11.4 9.0 13.6

68 7.9 6.3 9.5





#8

Nitrobenzene-d5

Concen: 2.66 ng

RT: 8.72 min Scan# 936

Delta R.T. 0.01 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-B

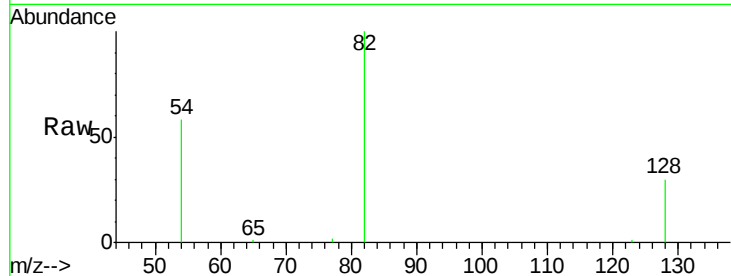
Tot Ion: 82 Resp: 23388

Ion Ratio Lower Upper

82 100

128 29.8 25.0 37.4

54 57.8 46.3 69.5

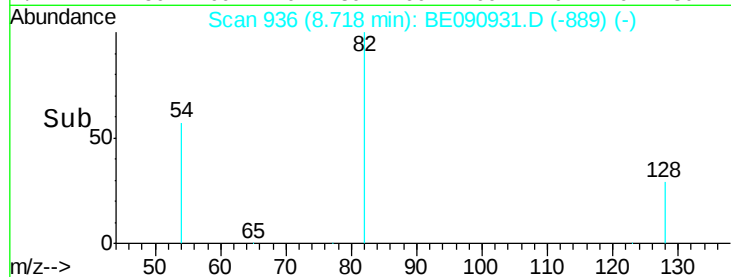


Abundance Ion 82.00 (81.70 to 82.70): BE090886.D (-920) (-)

Ion 128.00 (127.70 to 128.70): BE090886.D (-920) (-)

Ion 54.00 (53.70 to 54.70): BE090886.D (-920) (-)

Time-->

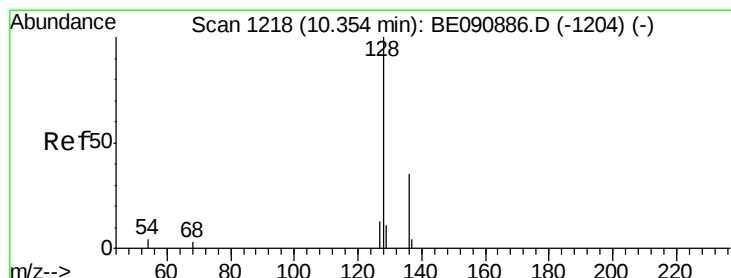


Abundance Ion 82.00 (81.70 to 82.70): BE090931.D (-889) (-)

Ion 128.00 (127.70 to 128.70): BE090931.D (-889) (-)

Ion 54.00 (53.70 to 54.70): BE090931.D (-889) (-)

Time-->



#10

Naphthalene

Concen: Below Cal

RT: 10.36 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

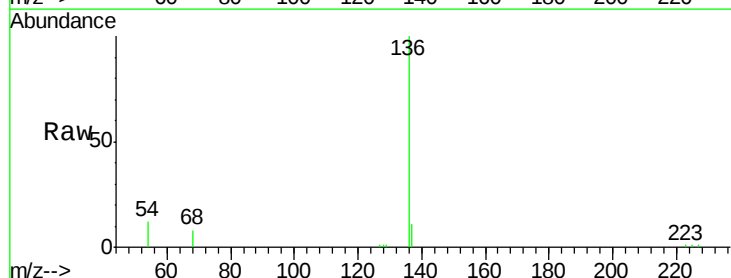
Tgt Ion: 128 Resp: 64

Ion Ratio Lower Upper

128 100

129 63.9 8.4 12.6#

127 60.8 9.9 14.9#

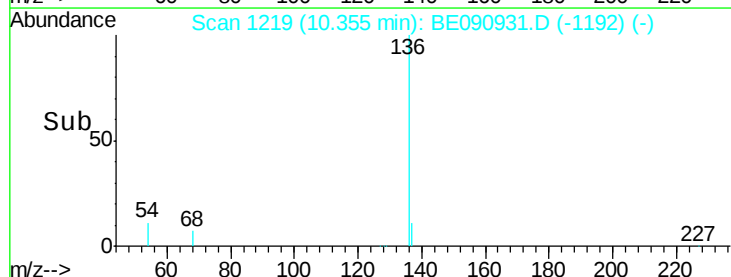


Abundance Ion 128.00 (127.70 to 128.70): BE090886.D (-1204) (-)

Ion 129.00 (128.70 to 129.70): BE090886.D (-1204) (-)

Ion 127.00 (126.70 to 127.70): BE090886.D (-1204) (-)

Time-->

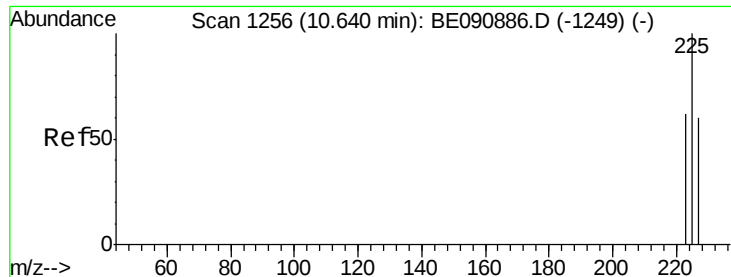


Abundance Ion 128.00 (127.70 to 128.70): BE090931.D (-1192) (-)

Ion 129.00 (128.70 to 129.70): BE090931.D (-1192) (-)

Ion 127.00 (126.70 to 127.70): BE090931.D (-1192) (-)

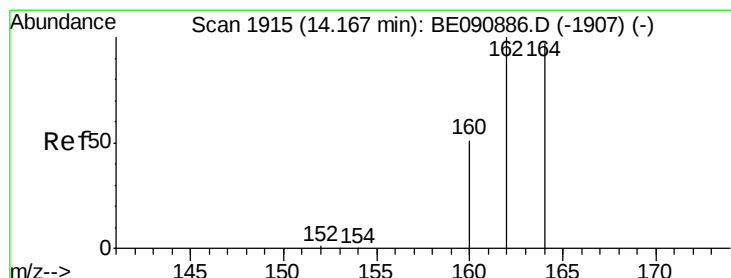
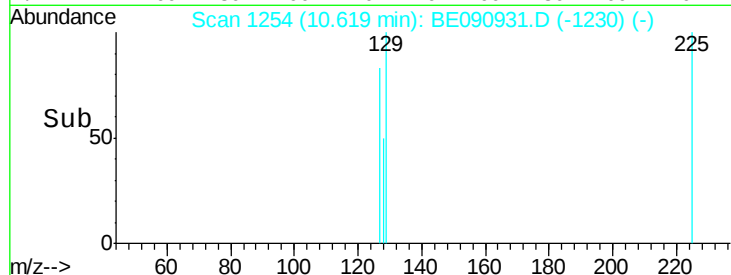
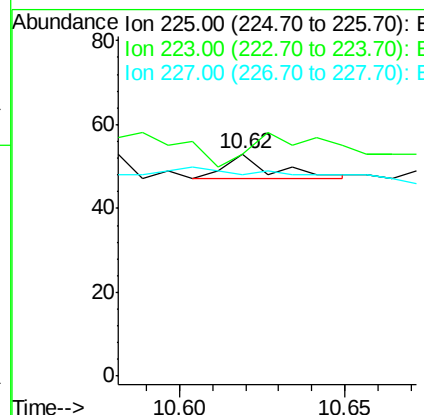
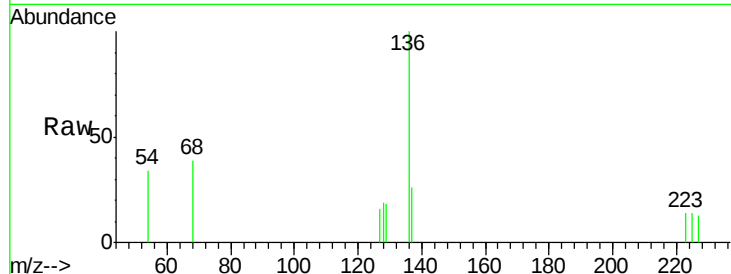
Time-->



#11
Hexachlorobutadiene
Concen: Below Cal
RT: 10.62 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BE090931.D
Acq: 21 Sep 2015 22:51

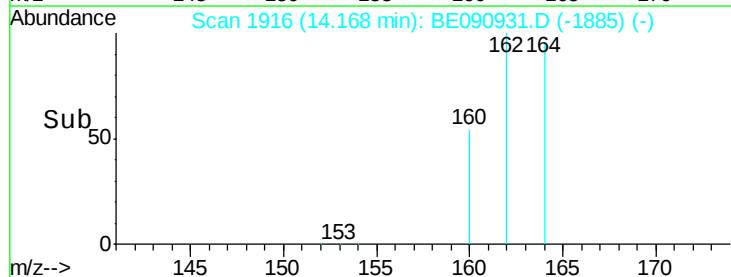
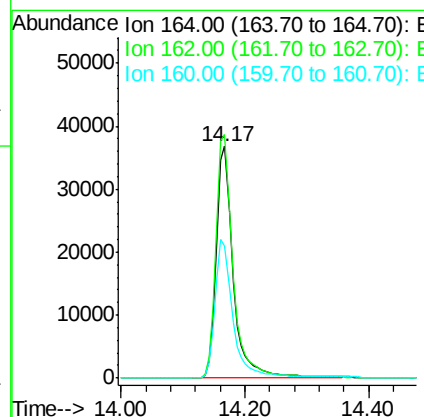
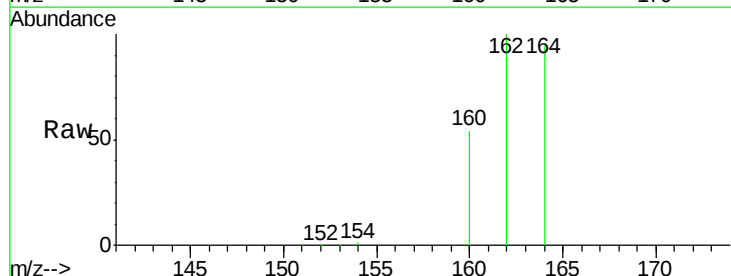
Instrument :
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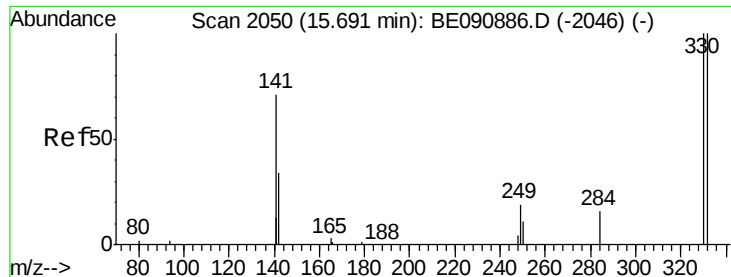
Tot Ion:225 Resp: 6
Ion Ratio Lower Upper
225 100
223 233.3 50.6 76.0#
227 0.0 51.0 76.6#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 1916
Delta R.T. 0.00 min
Lab File: BE090931.D
Acq: 21 Sep 2015 22:51

Tgt Ion:164 Resp: 69472
Ion Ratio Lower Upper
164 100
162 105.2 86.8 130.2
160 57.1 53.9 80.9

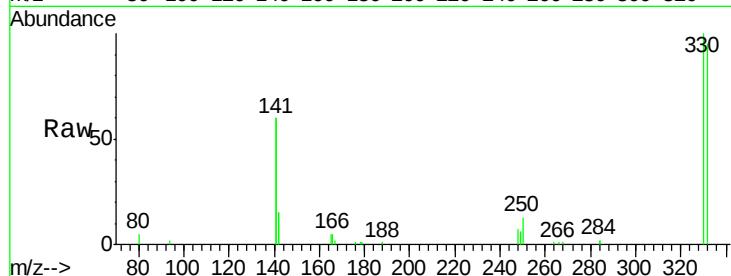




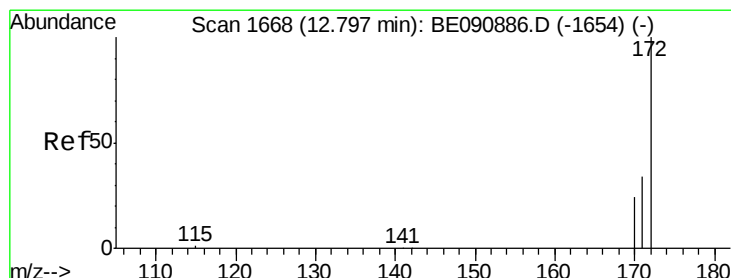
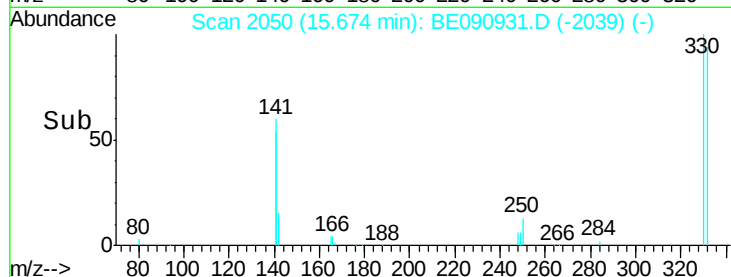
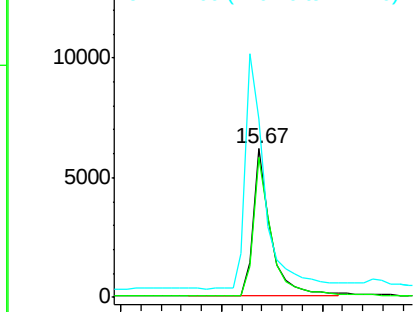
#14
 2,4,6-Tribromophenol
 Concen: 6.08 ng
 RT: 15.67 min Scan# 2050
 Delta R.T. -0.02 min
 Lab File: BE090931.D
 Acq: 21 Sep 2015 22:51

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

Tot Ion:330 Resp: 14902
 Ion Ratio Lower Upper
 330 100
 332 95.5 74.9 112.3
 141 178.2 145.2 217.8

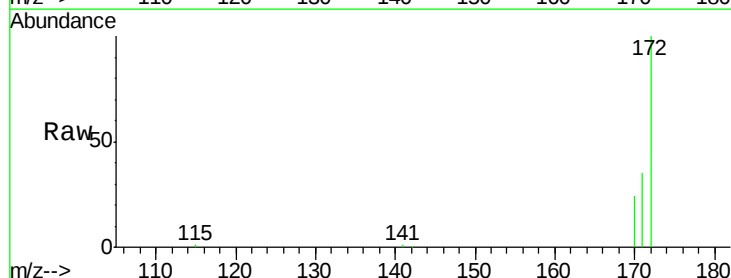


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

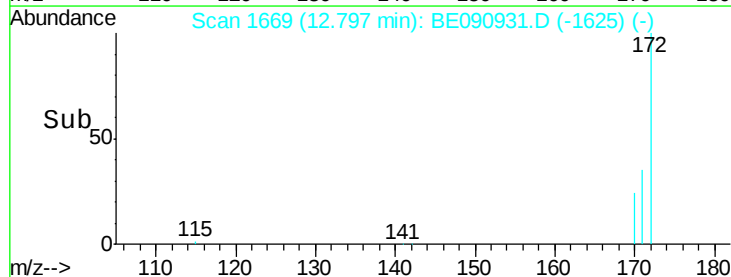
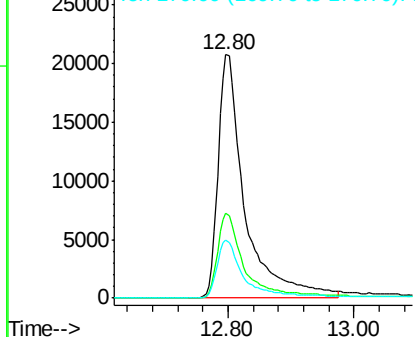


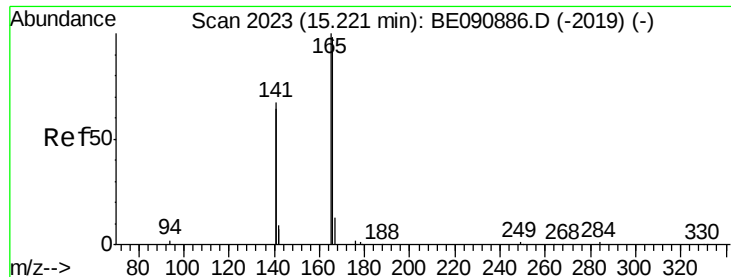
#15
 2-Fluorobiphenyl
 Concen: 3.07 ng
 RT: 12.80 min Scan# 1669
 Delta R.T. -0.00 min
 Lab File: BE090931.D
 Acq: 21 Sep 2015 22:51

Tgt Ion:172 Resp: 60559
 Ion Ratio Lower Upper
 172 100
 171 34.9 27.8 41.8
 170 23.8 19.8 29.6



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





#18

Fluorene

Concen: Below Cal

RT: 15.24 min Scan# 2025

Delta R.T. 0.02 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-B

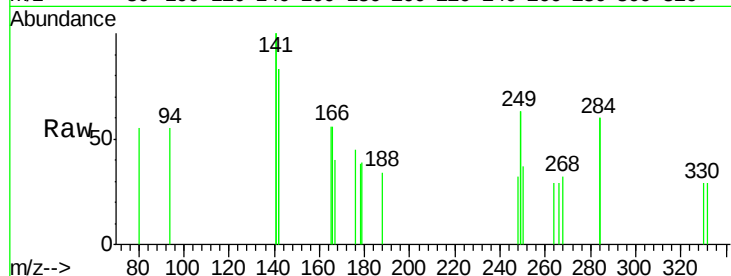
Tot Ion:166 Resp: 182

Ion Ratio Lower Upper

166 100

165 64.3 82.7 124.1#

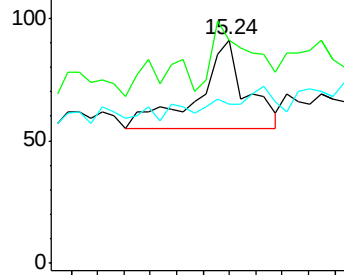
167 0.0 10.7 16.1#



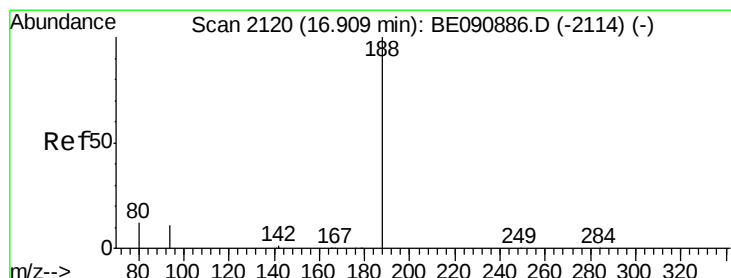
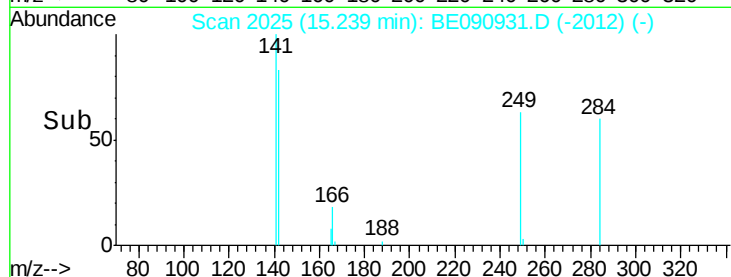
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

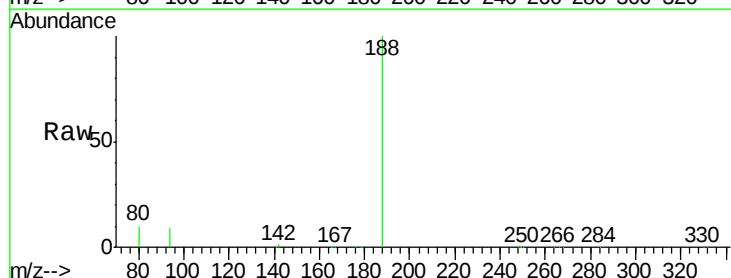
Tgt Ion:188 Resp: 171942

Ion Ratio Lower Upper

188 100

94 8.9 10.3 15.5#

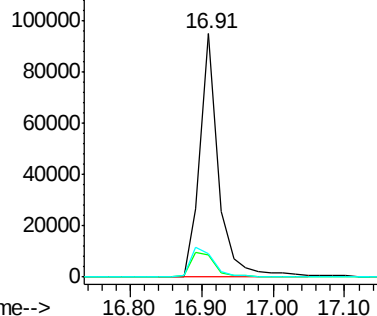
80 9.7 11.0 16.6#



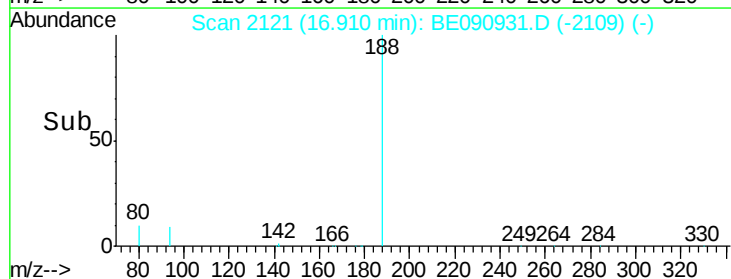
Abundance Ion 188.00 (187.70 to 188.70): E

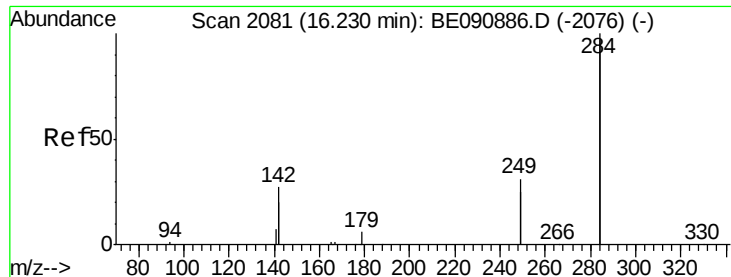
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-B

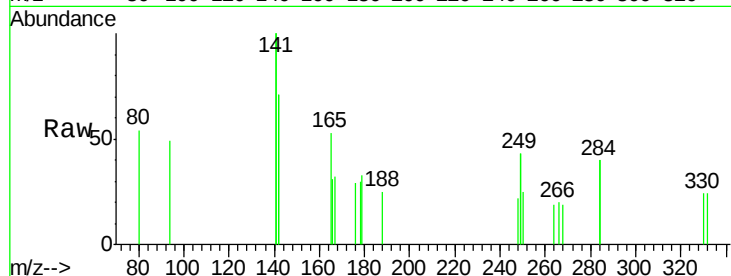
Tot Ion:284 Resp: 13

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

249 430.8 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

Ion 266.00 (265.70 to 266.70): E

Ion 330.00 (329.70 to 330.70): E

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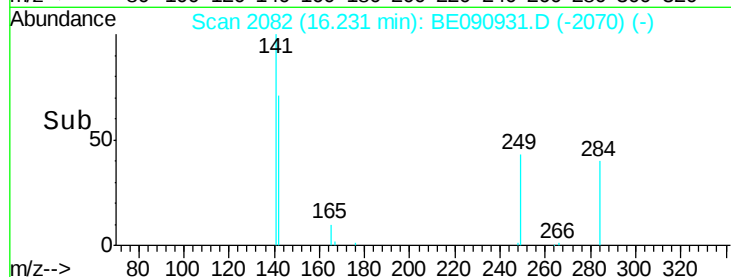
Ion 330.00 (329.70 to 330.70): E

Ion 330.00 (329.70 to 330.70): E

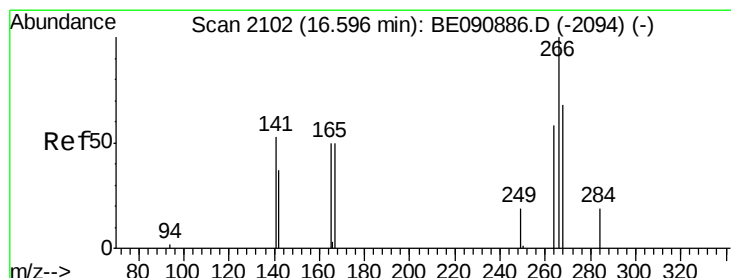
Ion 330.00 (329.70 to 330.70): E

Ion 330.00 (329.70 to 330.70): E

Ion 330.00 (329.70 to 330.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.19 ng

RT: 16.63 min Scan# 2105

Delta R.T. 0.04 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

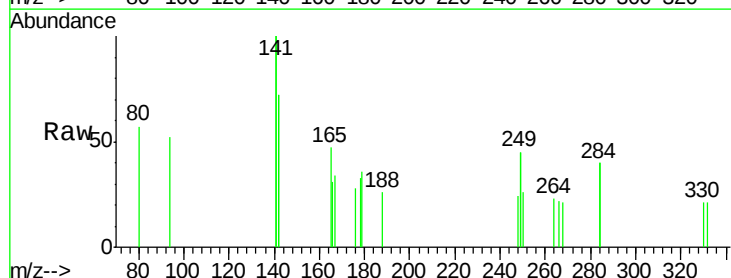
Tgt Ion:266 Resp: 41

Ion Ratio Lower Upper

266 100

268 94.4 49.6 74.4#

264 101.9 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

Ion 266.00 (265.70 to 266.70): E

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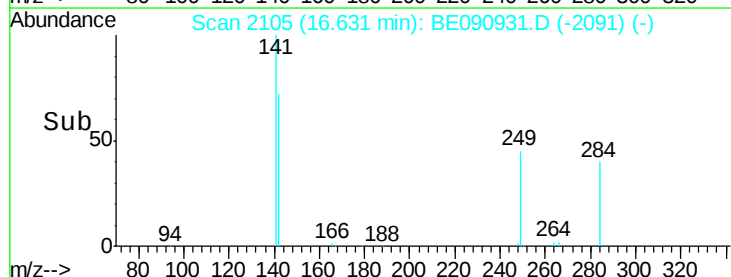
Ion 266.00 (265.70 to 266.70): E

Ion 266.00 (265.70 to 266.70): E

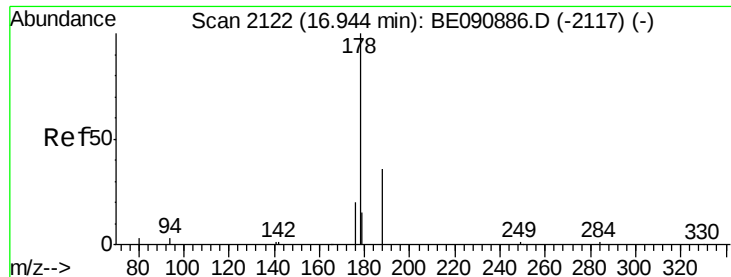
Ion 266.00 (265.70 to 266.70): E

Ion 266.00 (265.70 to 266.70): E

Ion 266.00 (265.70 to 266.70): E



Time-->



#23

Phenanthrene

Concen: Below Cal

RT: 16.94 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-B

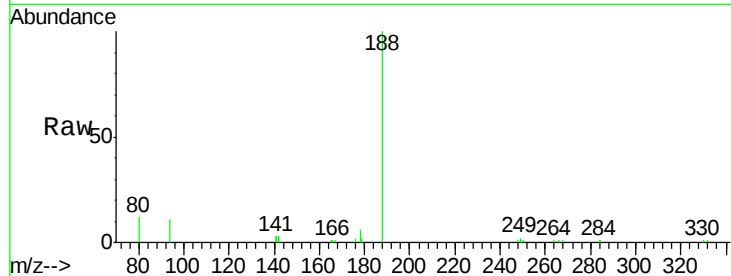
Tot Ion:178 Resp: 898

Ion Ratio Lower Upper

178 100

176 26.1 15.6 23.4#

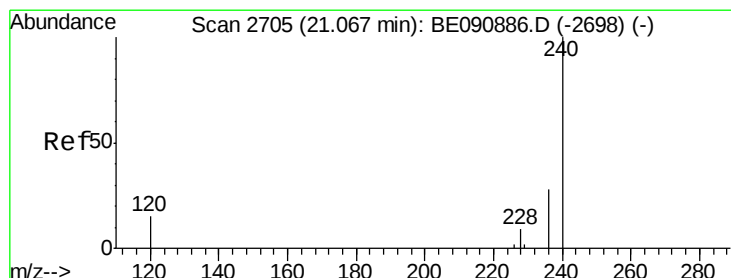
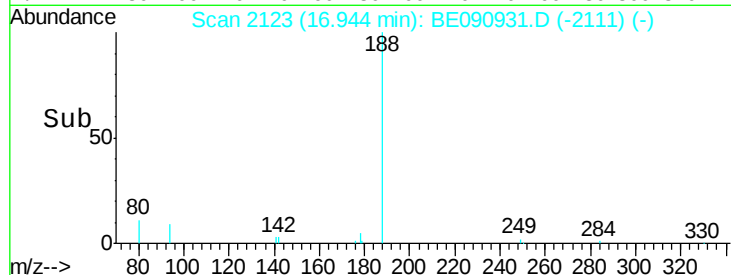
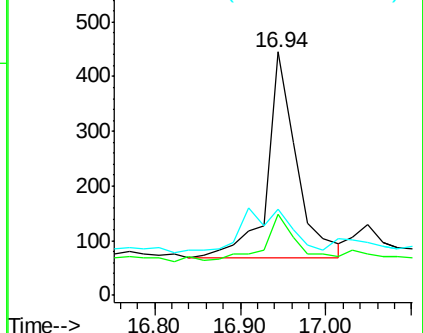
179 0.0 12.8 19.2#



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2705

Delta R.T. -0.00 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

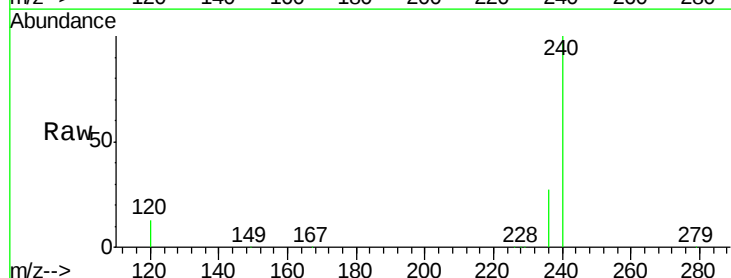
Tgt Ion:240 Resp: 219001

Ion Ratio Lower Upper

240 100

120 13.2 10.1 15.1

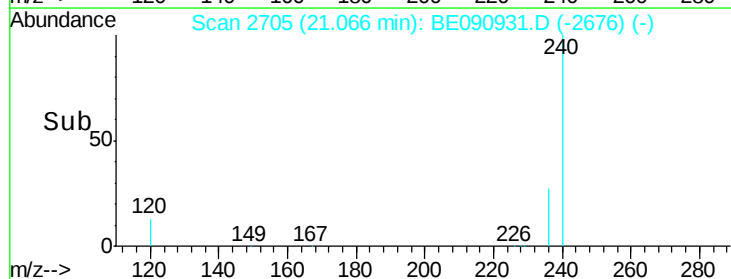
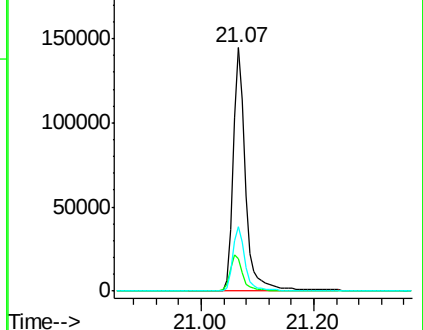
236 26.6 21.9 32.9

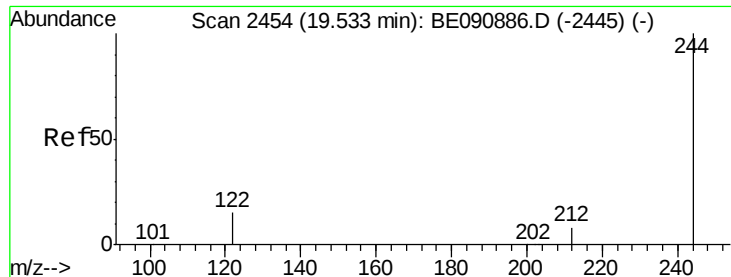


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Terphenyl-d14

Concen: 5.43 ng

RT: 19.52 min Scan# 2453

Delta R.T. -0.01 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-B

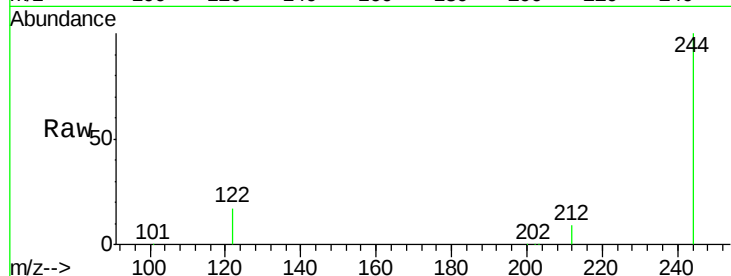
Tot Ion:244 Resp: 134289

Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

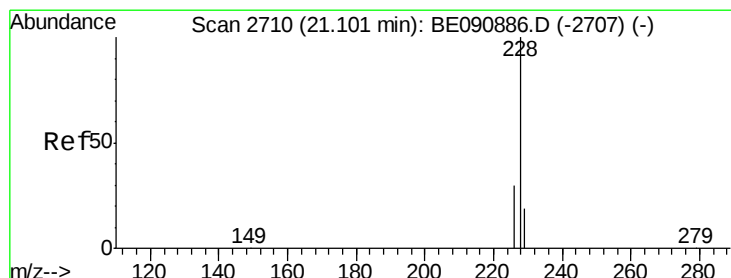
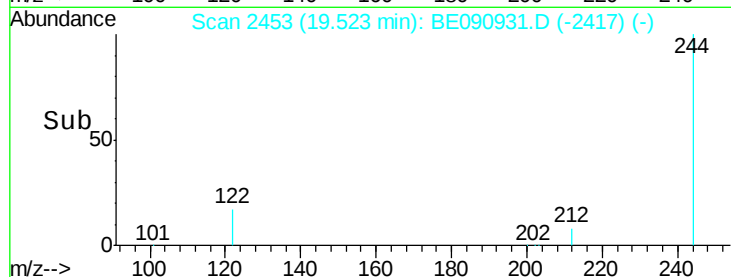
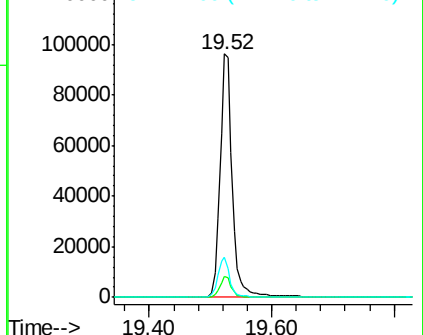
122 16.7 12.9 19.3



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



#30

Chrysene

Concen: Below Cal

RT: 21.06 min Scan# 2704

Delta R.T. -0.04 min

Lab File: BE090931.D

Acq: 21 Sep 2015 22:51

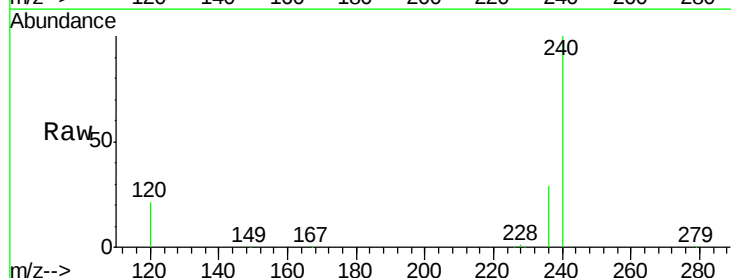
Tgt Ion:228 Resp: 1019

Ion Ratio Lower Upper

228 100

226 28.4 24.2 36.4

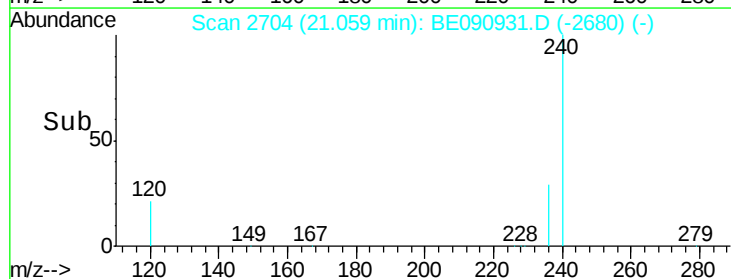
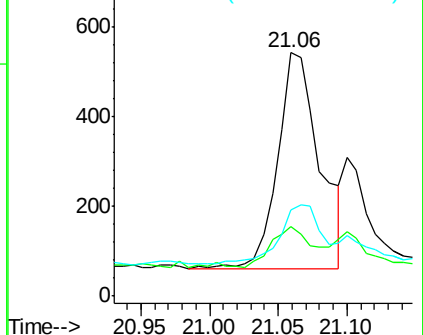
229 35.4 15.3 22.9#

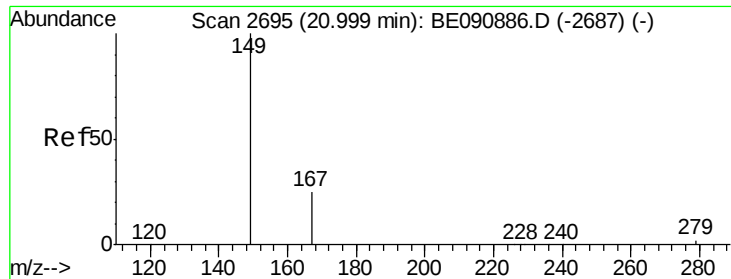


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

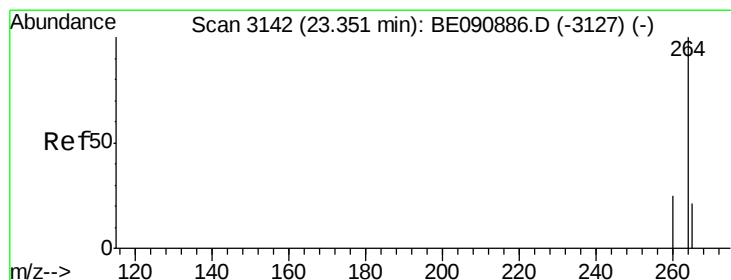
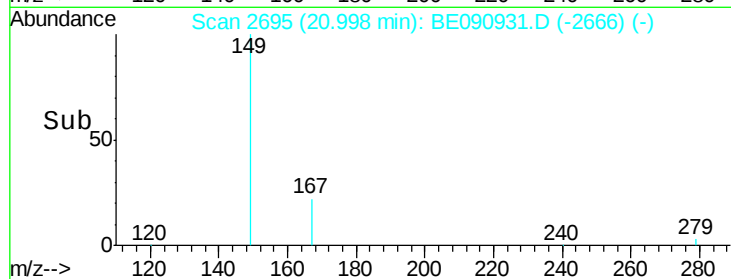
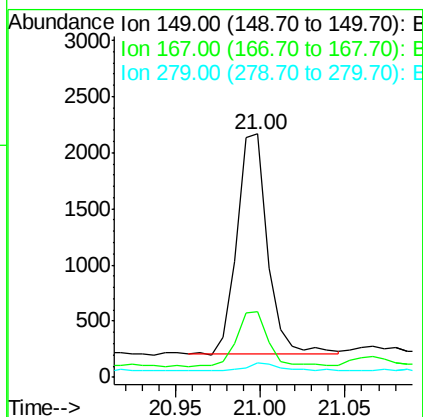
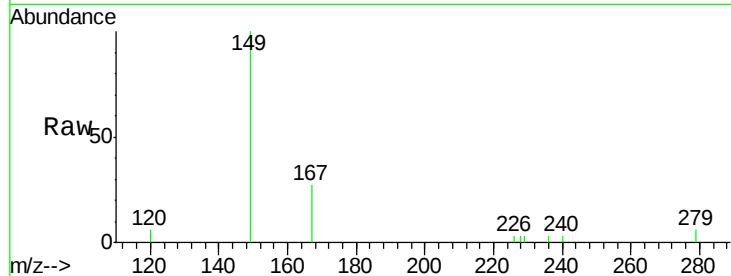




#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.26 ng
 RT: 21.00 min Scan# 2695
 Delta R.T. -0.00 min
 Lab File: BE090931.D
 Acq: 21 Sep 2015 22:51

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

Tot Ion:149 Resp: 2439
 Ion Ratio Lower Upper
 149 100
 167 25.8 20.1 30.1
 279 3.2 2.3 3.5



#33
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: BE090931.D
 Acq: 21 Sep 2015 22:51

Tgt Ion:264 Resp: 200941
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.7 29.5
 265 21.7 17.5 26.3

