

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092415\
 Data File : BE090965.D
 Acq On : 24 Sep 2015 4:39
 Operator : UM/IZ
 Sample : G3651-08RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 24 08:21:41 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	7.54	152	43300	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	187306	5.00	ng	0.00
13) Acenaphthene-d10	14.16	164	112565	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	248155	5.00	ng	0.00
26) Chrysene-d12	21.07	240	304027	5.00	ng	0.00
33) Perylene-d12	23.35	264	268618	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	23090	2.35	ng	0.00
5) Phenol-d6	6.79	99	13881	1.03	ng	0.04
8) Nitrobenzene-d5	8.72	82	39538	3.06	ng	0.02
14) 2,4,6-Tribromophenol	15.67	330	23846	6.00	ng	-0.02
15) 2-Fluorobiphenyl	12.79	172	106050	3.32	ng	0.00
28) Terphenyl-d14	19.52	244	173639	5.05	ng	0.00

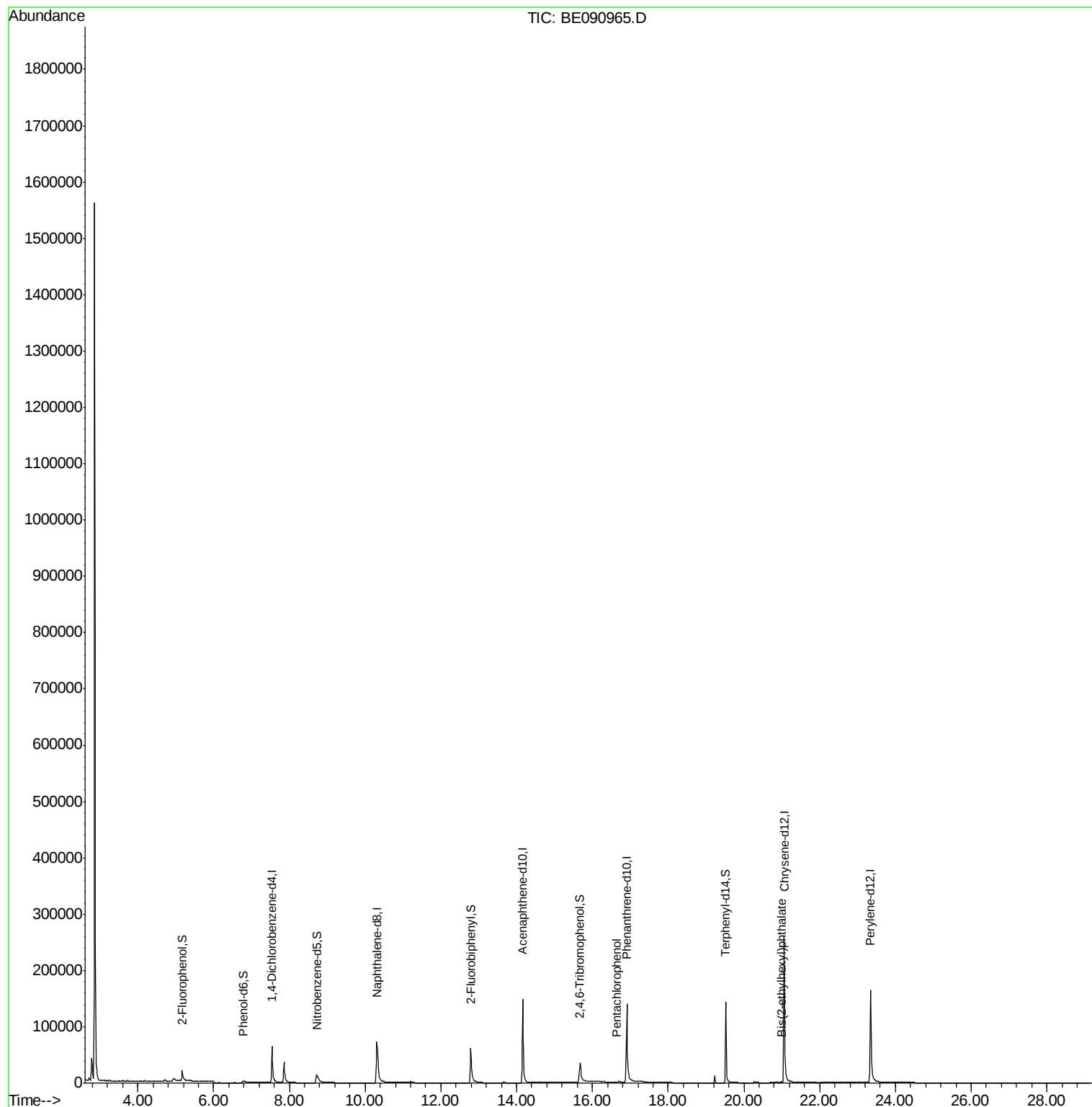
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	59	Below Cal	#	16
3) n-Nitrosodimethylamine	3.44	42	35	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.98	93	56	Below Cal	#	16
10) Naphthalene	10.36	128	283	Below Cal	#	14
11) Hexachlorobutadiene	10.59	225	4	Below Cal	#	20
18) Fluorene	15.24	166	157	Below Cal	#	75
21) Hexachlorobenzene	16.27	284	42	Below Cal	#	2
22) Pentachlorophenol	16.65	266	81	0.19 ng	#	79
23) Phenanthrene	16.94	178	455	Below Cal	#	82
30) Chrysene	21.10	228	786	Below Cal	#	72
31) Bis(2-ethylhexyl)phthalate	20.99	149	2297	0.23 ng	#	98

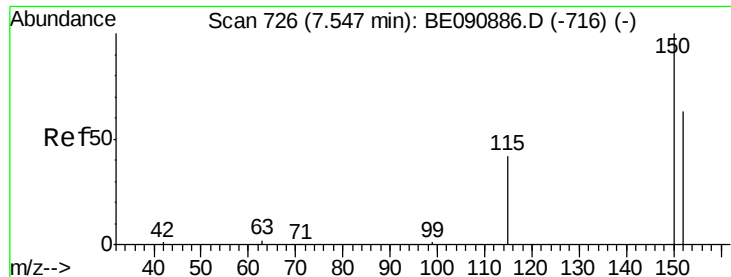
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.54 min Scan# 725

Delta R.T. -0.01 min

Lab File: BE090965.D

Acq: 24 Sep 2015 4:39

Instrument :

BNA_E

ClientSampleId :

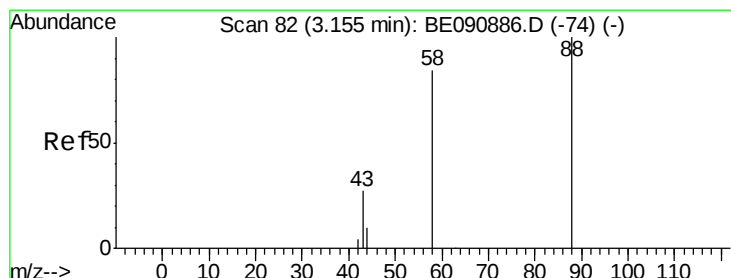
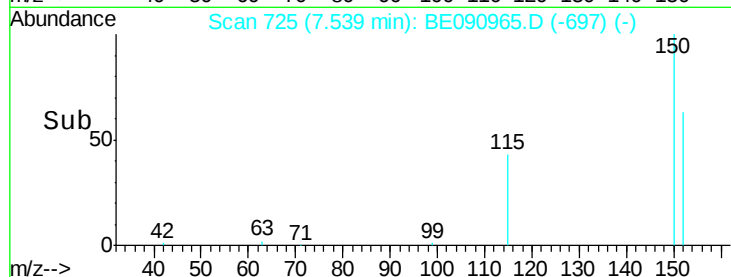
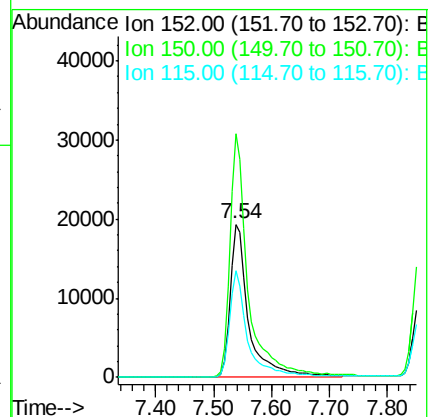
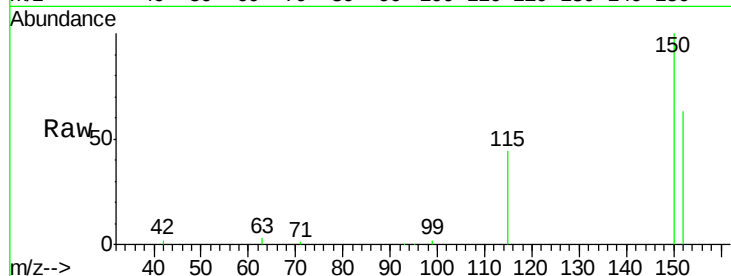
Tot Ion:152 Resp: 43300

Ion Ratio Lower Upper

152 100

150 159.0 122.2 183.4

115 69.3 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.30 min Scan# 104

Delta R.T. 0.15 min

Lab File: BE090965.D

Acq: 24 Sep 2015 4:39

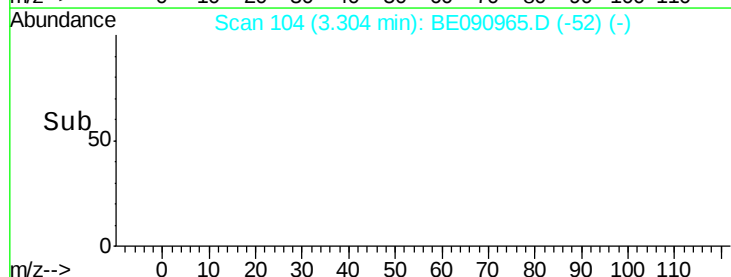
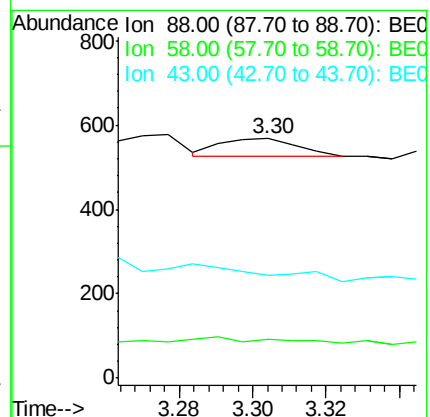
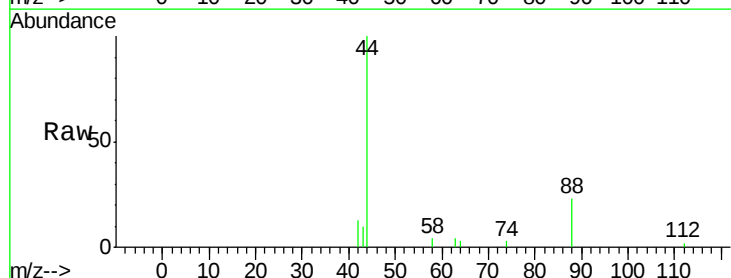
Tgt Ion: 88 Resp: 59

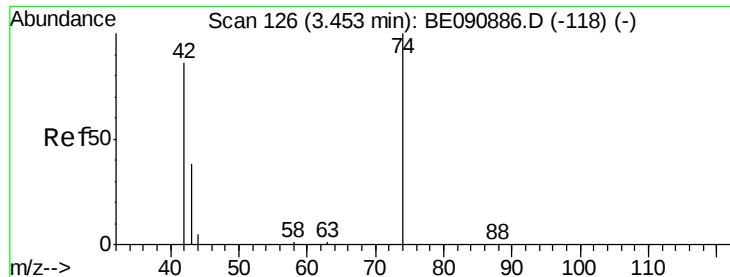
Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

43 0.0 26.9 40.3#



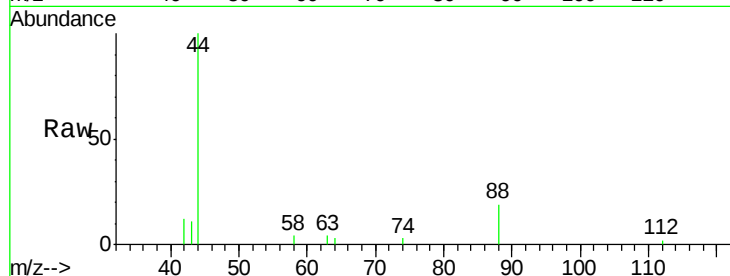


#3

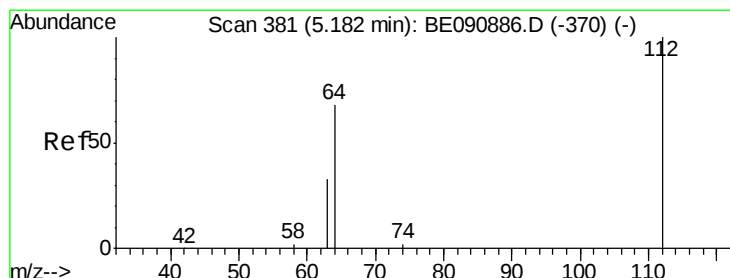
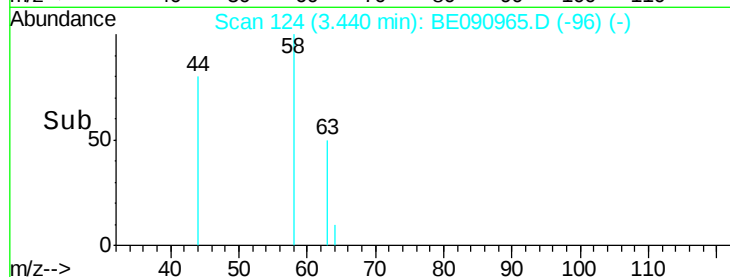
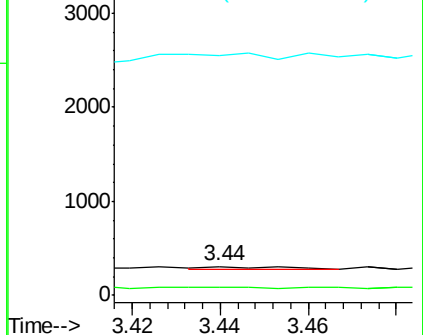
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.44 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: BE090965.D
 Acq: 24 Sep 2015 4:39

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 35
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 440.0 10.0 15.0#



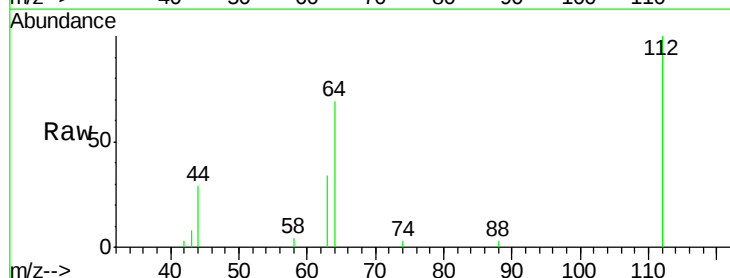
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



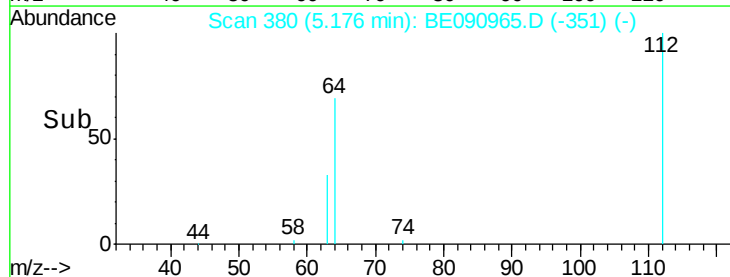
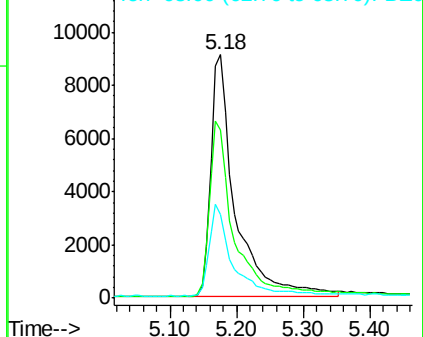
#4

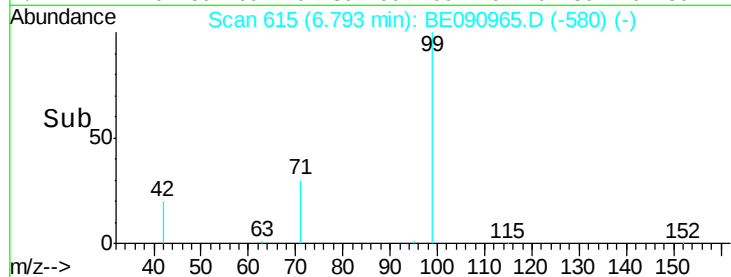
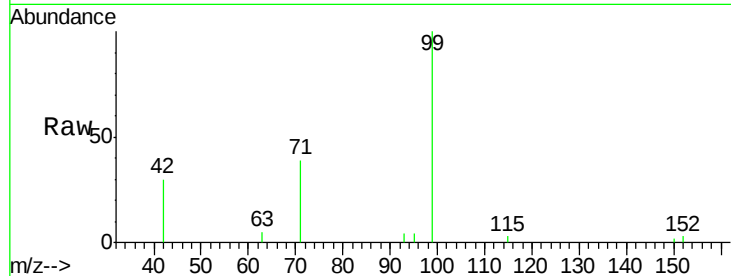
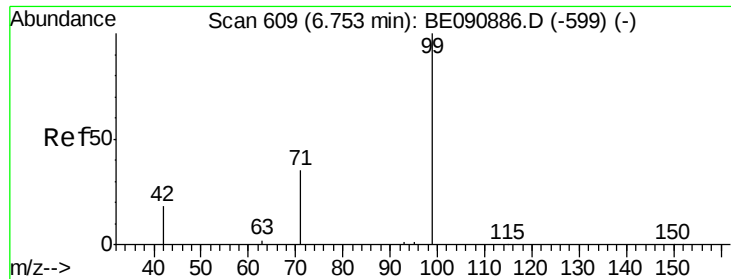
2-Fluorophenol
 Concen: 2.35 ng
 RT: 5.18 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: BE090965.D
 Acq: 24 Sep 2015 4:39

Tgt Ion: 112 Resp: 23090
 Ion Ratio Lower Upper
 112 100
 64 71.7 57.3 85.9
 63 36.9 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: 1.03 ng

RT: 6.79 min Scan# 615

Delta R.T. 0.04 min

Lab File: BE090965.D

Acq: 24 Sep 2015 4:39

Instrument :

BNA_E

ClientSampled :

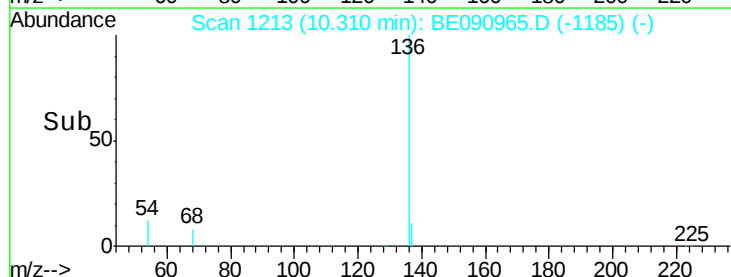
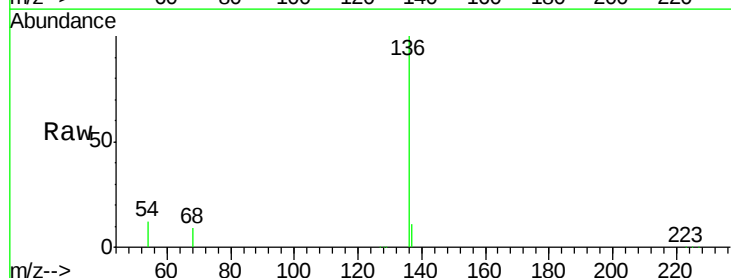
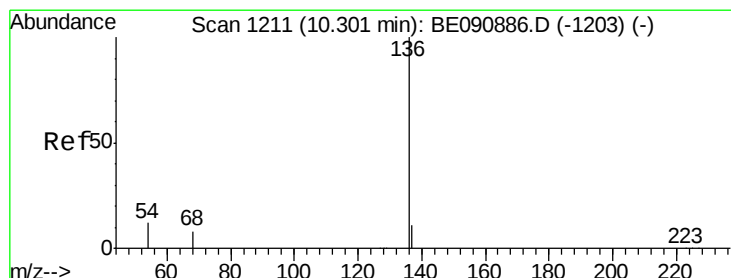
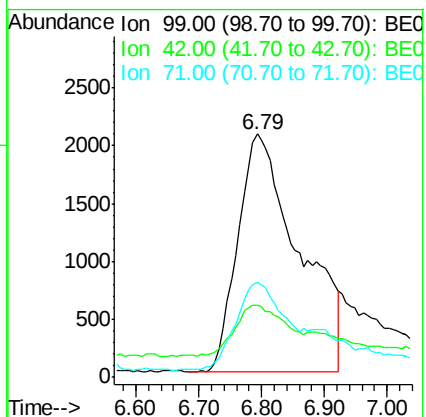
Tot Ion: 99 Resp: 13881

Ion Ratio Lower Upper

99 100

42 18.0 16.8 25.2

71 28.7 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: BE090965.D

Acq: 24 Sep 2015 4:39

Tgt Ion: 136 Resp: 187306

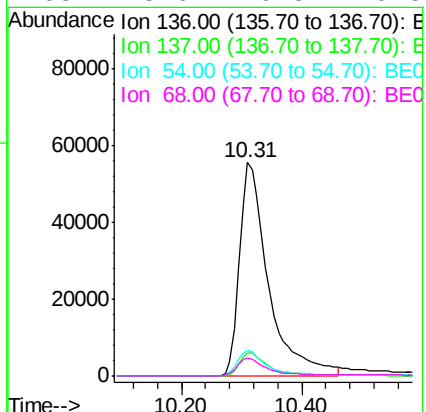
Ion Ratio Lower Upper

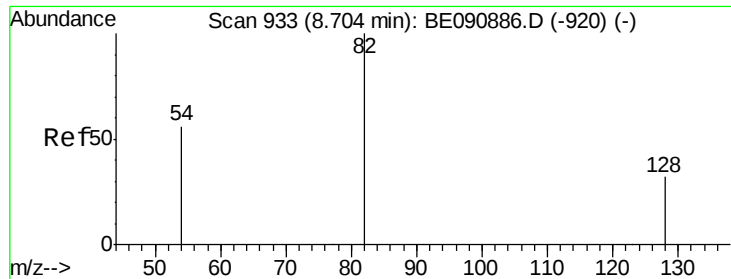
136 100

137 11.0 8.7 13.1

54 12.0 9.0 13.6

68 8.6 6.3 9.5

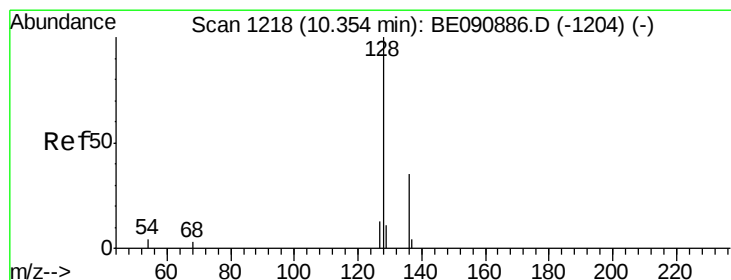
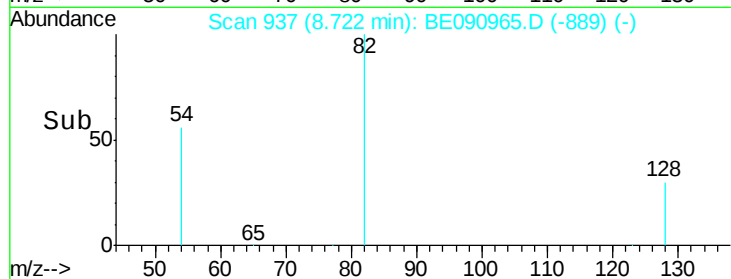
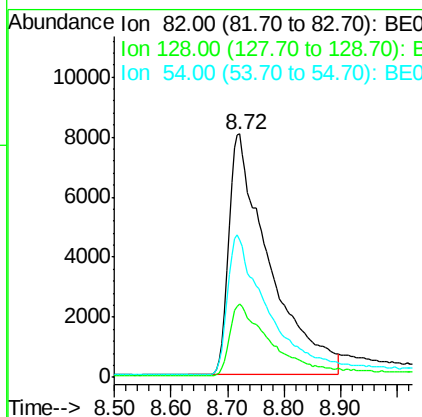
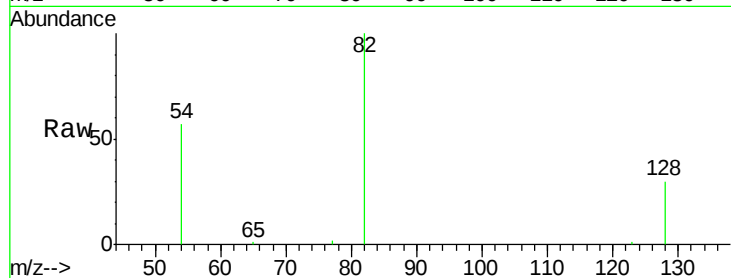




#8
 Nitrobenzene-d5
 Concen: 3.06 na
 RT: 8.72 min Scan# 937
 Delta R.T. 0.02 min
 Lab File: BE090965.D
 Acq: 24 Sep 2015 4:39

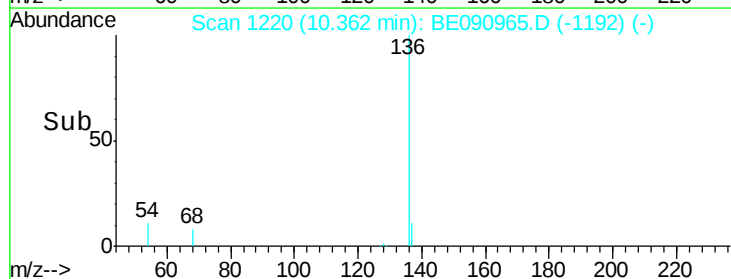
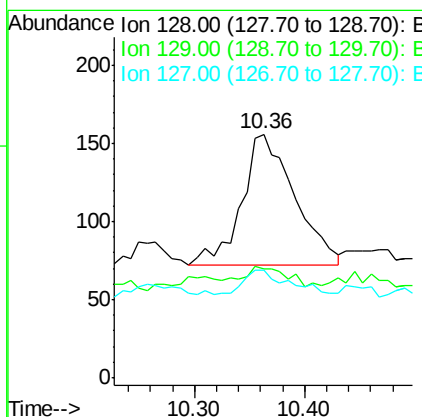
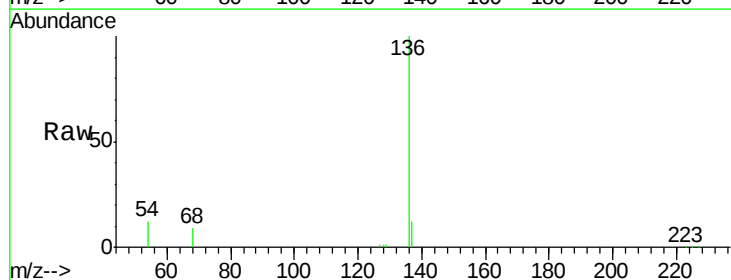
Instrument :
 BNA_E
 ClientSampleId :

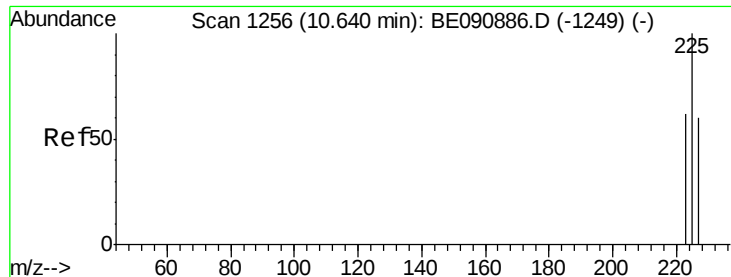
Tot Ion: 82 Resp: 39538
 Ion Ratio Lower Upper
 82 100
 128 30.1 25.0 37.4
 54 56.6 46.3 69.5



#10
 Naphthalene
 Concen: Below Cal
 RT: 10.36 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BE090965.D
 Acq: 24 Sep 2015 4:39

Tgt Ion: 128 Resp: 283
 Ion Ratio Lower Upper
 128 100
 129 44.9 8.4 12.6#
 127 44.2 9.9 14.9#

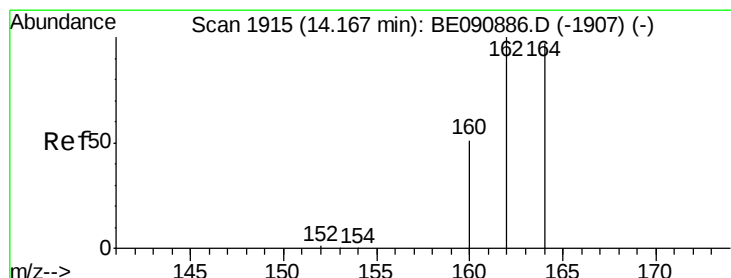
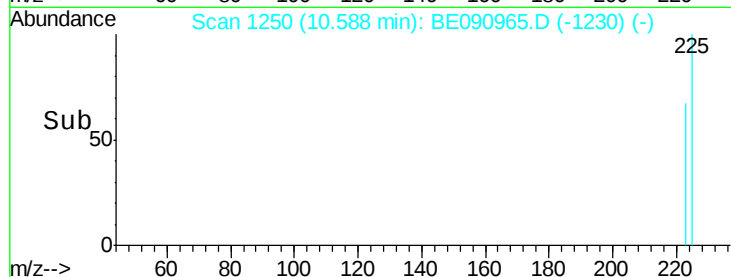
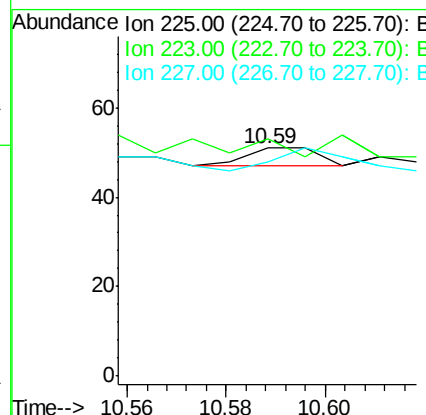
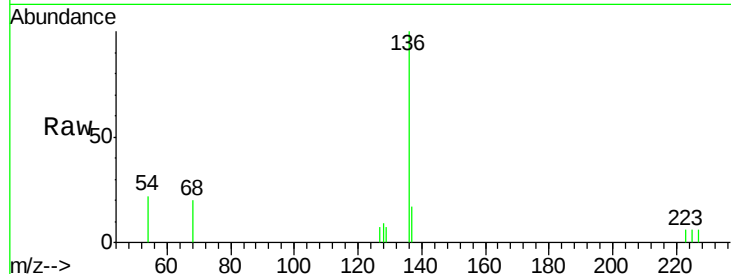




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 10.59 min Scan# 1250
Delta R.T. -0.05 min
Lab File: BE090965.D
Acq: 24 Sep 2015 4:39

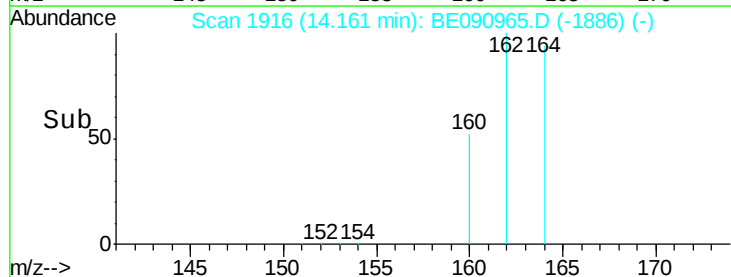
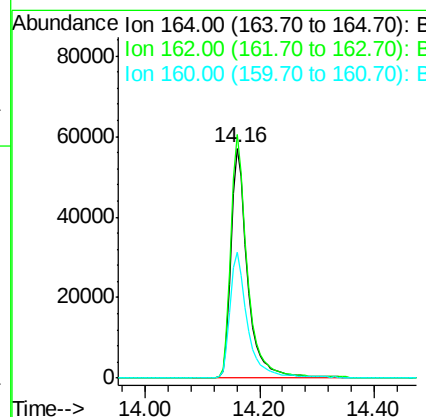
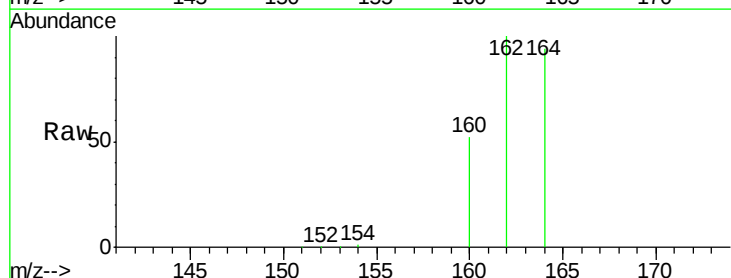
Instrument :
BNA_E
ClientSampleId :

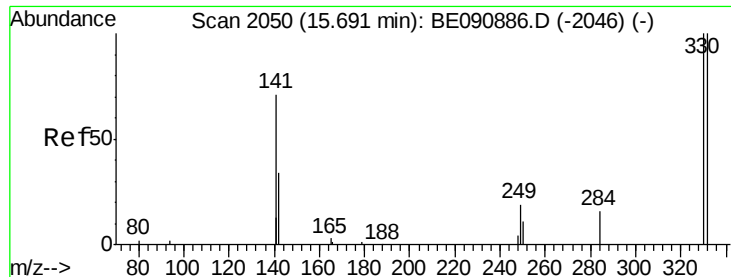
Tot Ion:225 Resp: 4
Ion Ratio Lower Upper
225 100
223 0.0 50.6 76.0#
227 125.0 51.0 76.6#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.16 min Scan# 1916
Delta R.T. -0.01 min
Lab File: BE090965.D
Acq: 24 Sep 2015 4:39

Tgt Ion:164 Resp: 112565
Ion Ratio Lower Upper
164 100
162 106.0 86.8 130.2
160 54.6 53.9 80.9

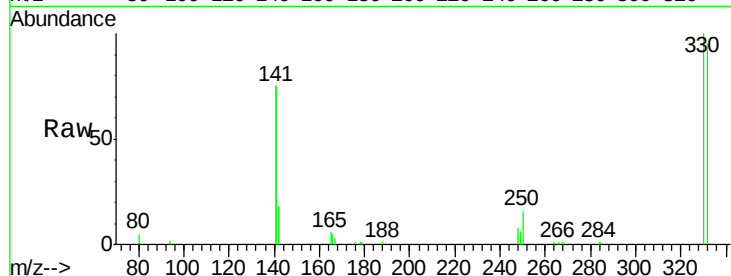




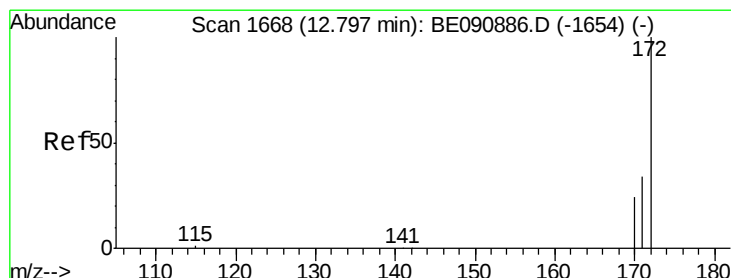
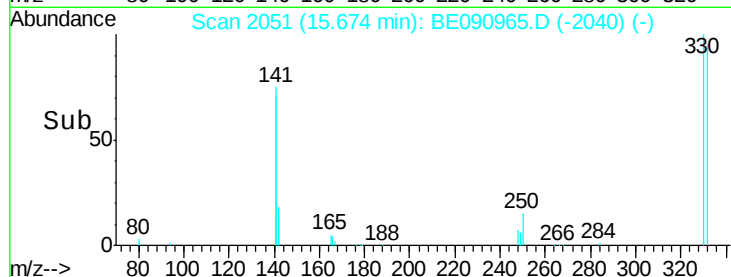
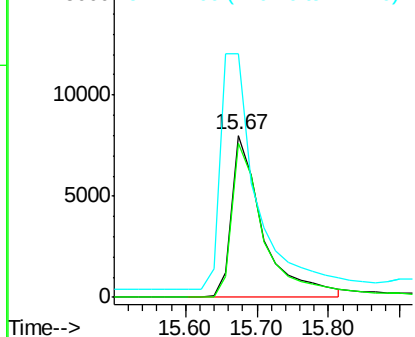
#14
 2,4,6-Tribromophenol
 Concen: 6.00 ng
 RT: 15.67 min Scan# 2051
 Delta R.T. -0.02 min
 Lab File: BE090965.D
 Acq: 24 Sep 2015 4:39

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 23846
 Ion Ratio Lower Upper
 330 100
 332 96.6 74.9 112.3
 141 172.2 145.2 217.8

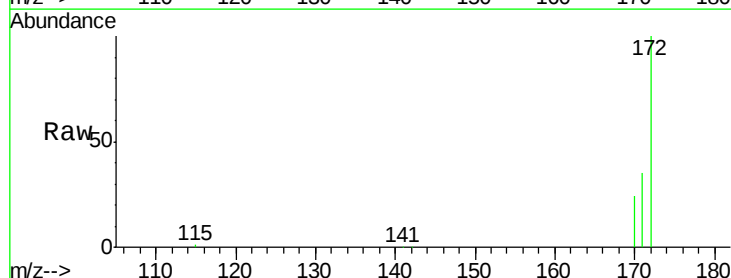


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

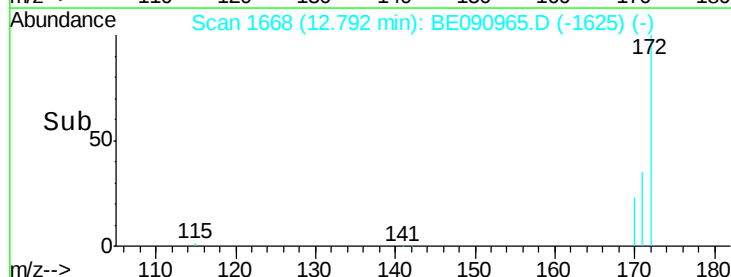
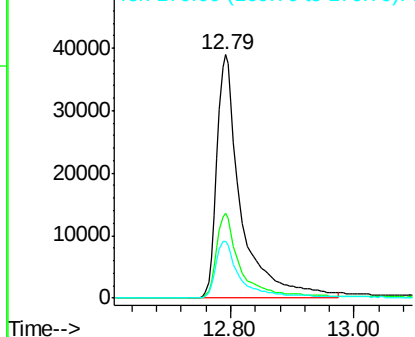


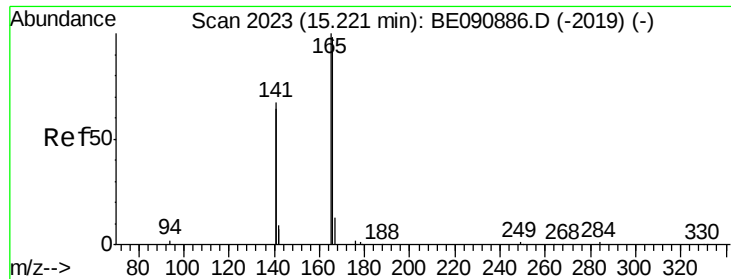
#15
 2-Fluorobiphenyl
 Concen: 3.32 ng
 RT: 12.79 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BE090965.D
 Acq: 24 Sep 2015 4:39

Tgt Ion:172 Resp: 106050
 Ion Ratio Lower Upper
 172 100
 171 35.0 27.8 41.8
 170 23.6 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# 2026

Delta R.T. 0.02 min

Lab File: BE090965.D

Acq: 24 Sep 2015 4:39

Instrument :

BNA_E

ClientSampleId :

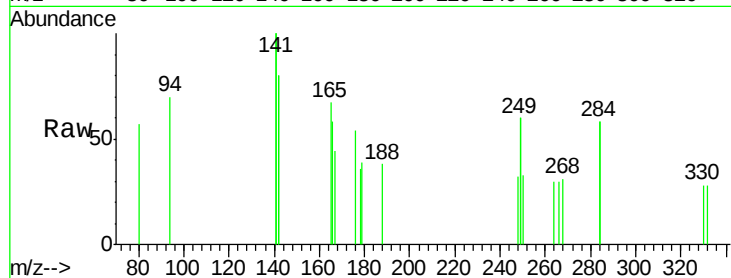
Tot Ion:166 Resp: 157

Ion Ratio Lower Upper

166 100

165 79.0 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

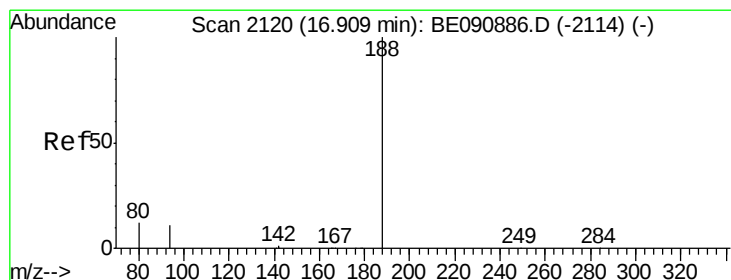
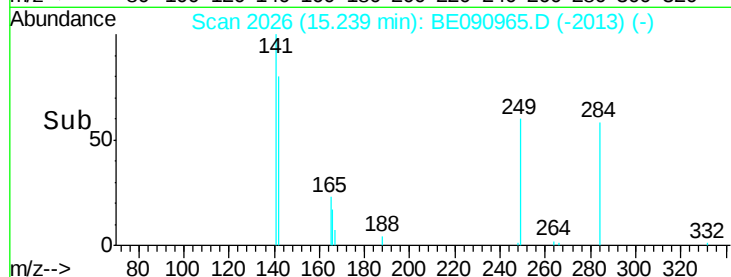
15.24

100

50

15.10 15.20 15.30

Time-->



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BE090965.D

Acq: 24 Sep 2015 4:39

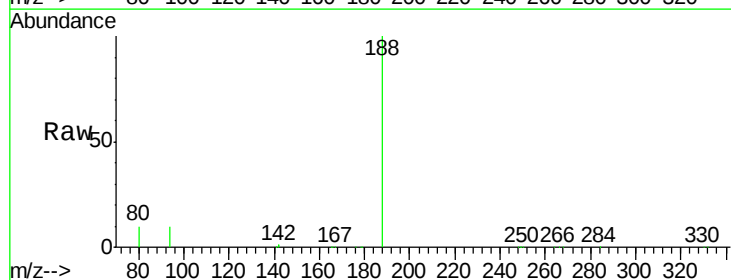
Tgt Ion:188 Resp: 248155

Ion Ratio Lower Upper

188 100

94 9.6 10.3 15.5#

80 10.3 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

16.91

150000

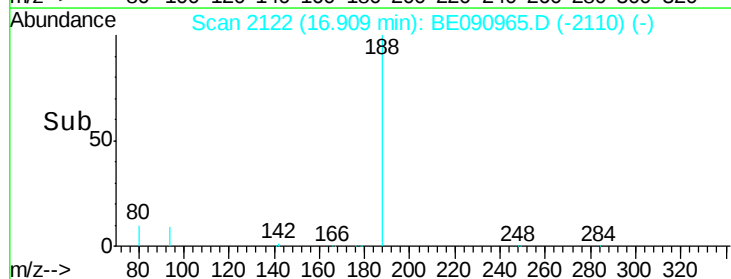
100000

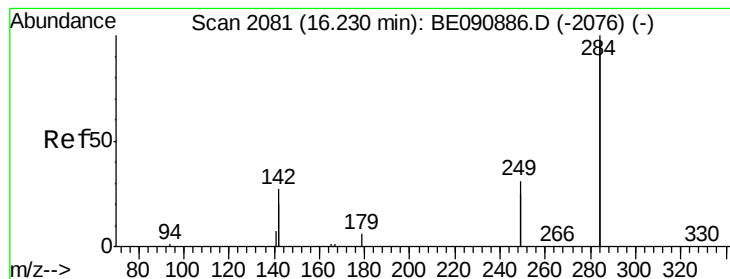
50000

0

16.80 17.00

Time-->





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.27 min Scan# 2085

Delta R.T. 0.04 min

Lab File: BE090965.D

Acq: 24 Sep 2015 4:39

Instrument :

BNA_E

ClientSampleId :

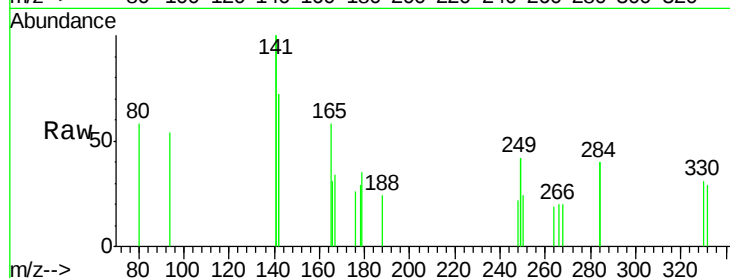
Tot Ion:284 Resp: 42

Ion Ratio Lower Upper

284 100

142 71.4 35.0 52.4#

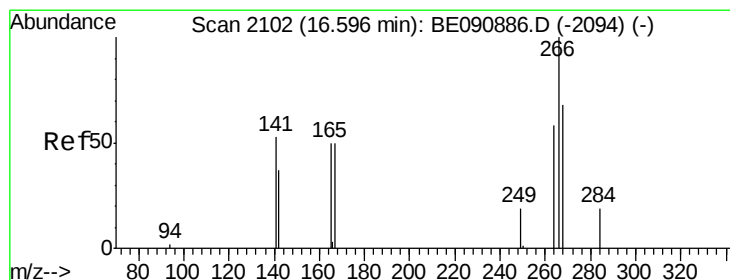
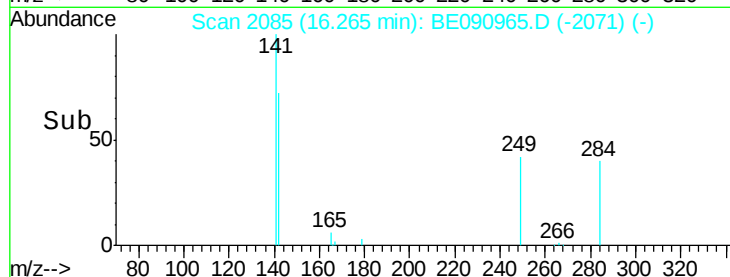
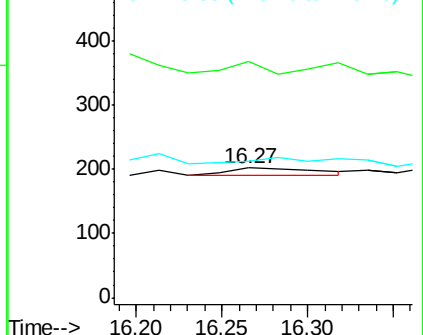
249 128.6 25.5 38.3#



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: 0.19 ng

RT: 16.65 min Scan# 2107

Delta R.T. 0.05 min

Lab File: BE090965.D

Acq: 24 Sep 2015 4:39

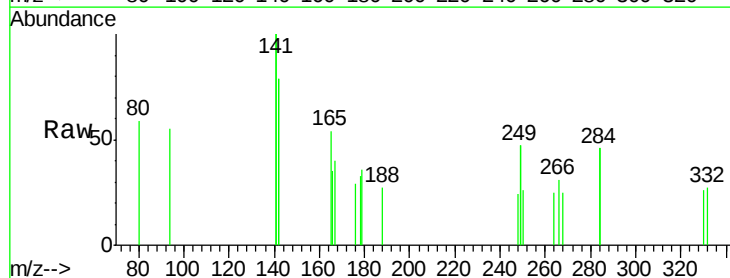
Tgt Ion:266 Resp: 81

Ion Ratio Lower Upper

266 100

268 82.1 49.6 74.4#

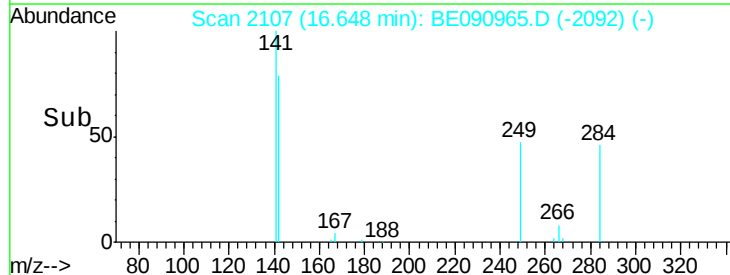
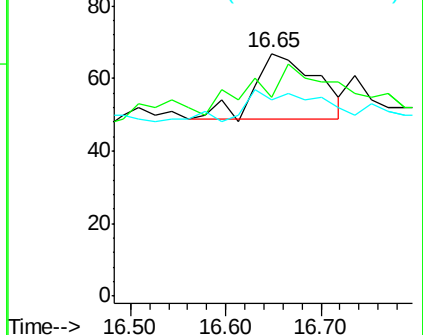
264 80.6 53.9 80.9

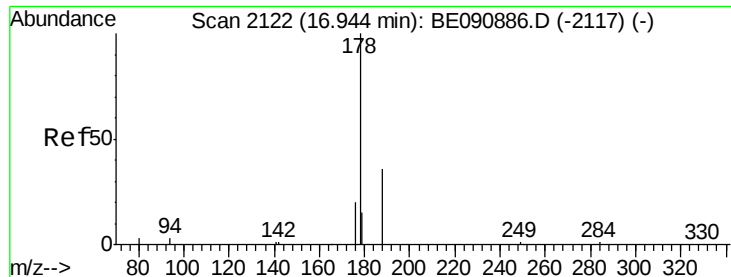


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

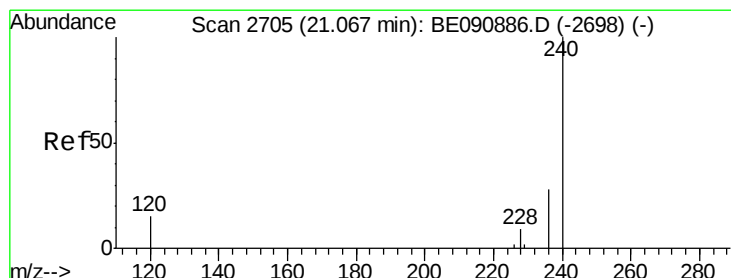
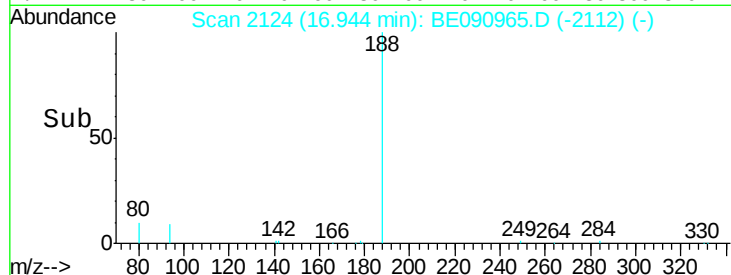
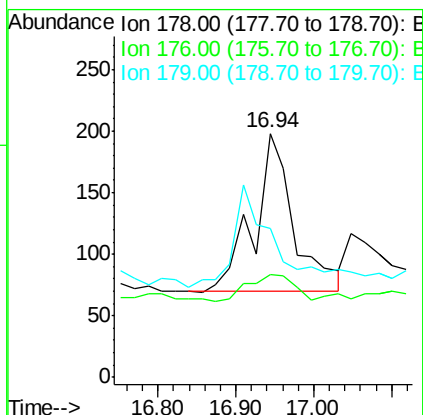
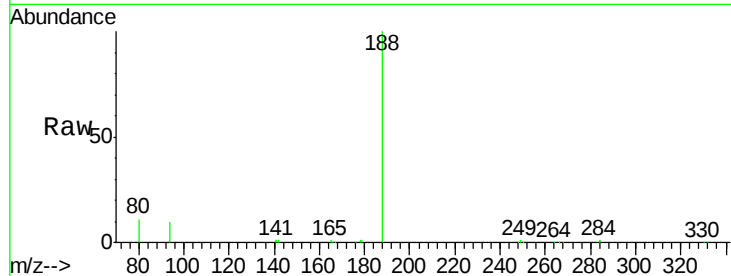




#23
Phenanthrene
Concen: Below Cal
RT: 16.94 min Scan# 2124
Delta R.T. 0.00 min
Lab File: BE090965.D
Acq: 24 Sep 2015 4:39

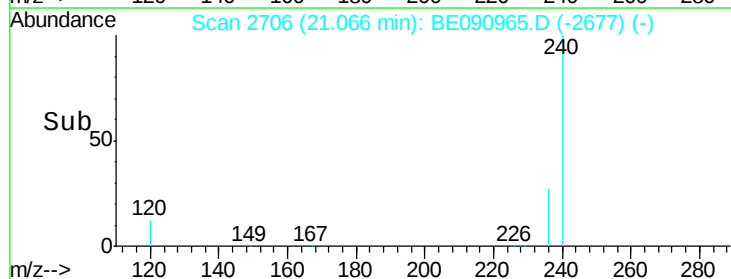
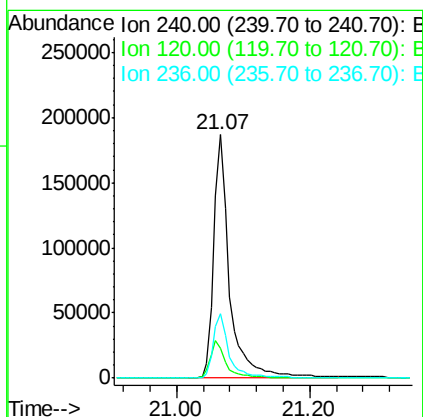
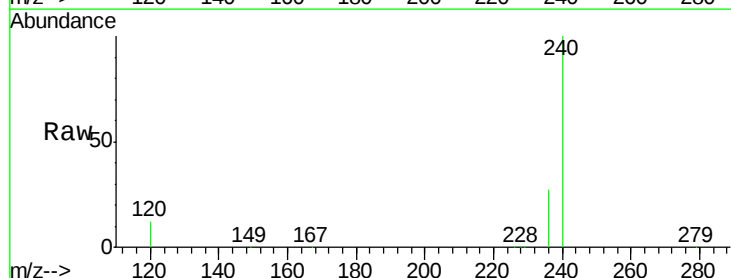
Instrument :
BNA_E
ClientSampleId :

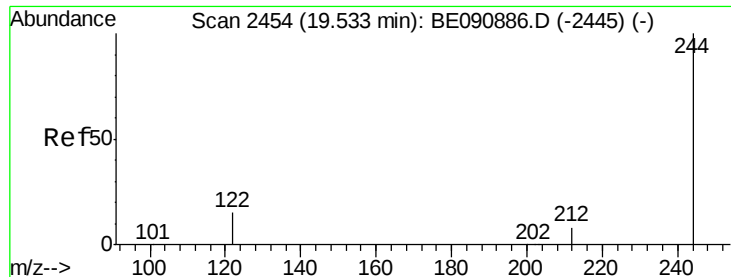
Tot Ion:178 Resp: 455
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 0.0 12.8 19.2#



#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2706
Delta R.T. -0.00 min
Lab File: BE090965.D
Acq: 24 Sep 2015 4:39

Tgt Ion:240 Resp: 304027
Ion Ratio Lower Upper
240 100
120 12.3 10.1 15.1
236 26.6 21.9 32.9





#28

Terphenyl-d14

Concen: 5.05 ng

RT: 19.52 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BE090965.D

Acq: 24 Sep 2015 4:39

Instrument :

BNA_E

ClientSampleId :

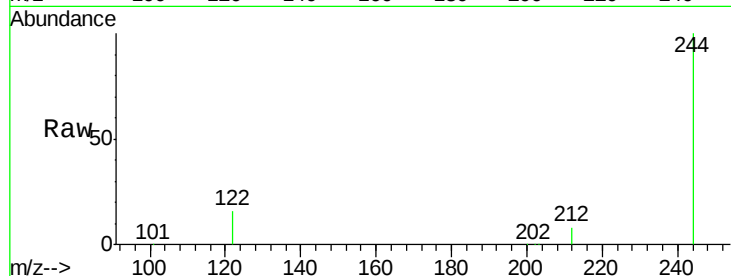
Tot Ion:244 Resp: 173639

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

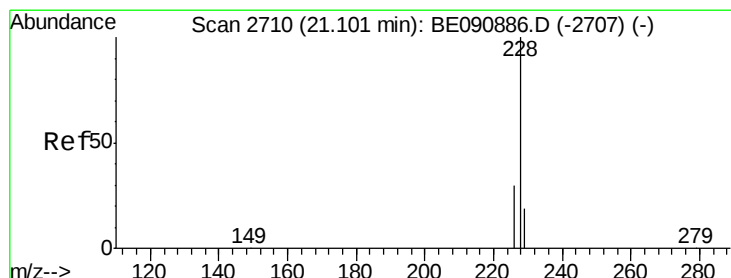
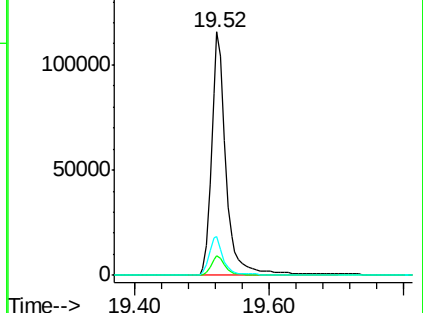
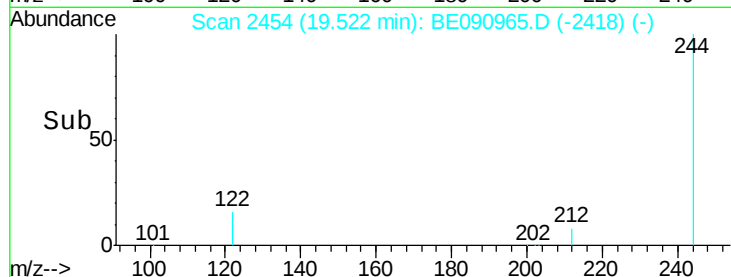
122 15.7 12.9 19.3



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: 21.10 min Scan# 2711

Delta R.T. -0.00 min

Lab File: BE090965.D

Acq: 24 Sep 2015 4:39

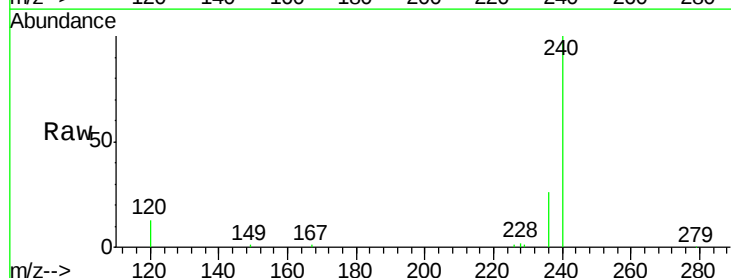
Tgt Ion:228 Resp: 786

Ion Ratio Lower Upper

228 100

226 41.6 24.2 36.4#

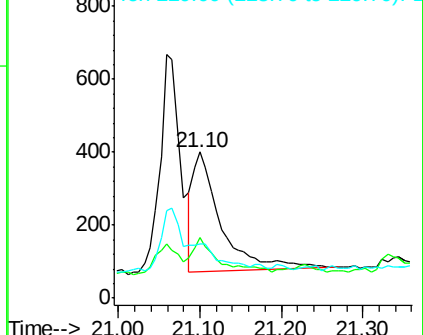
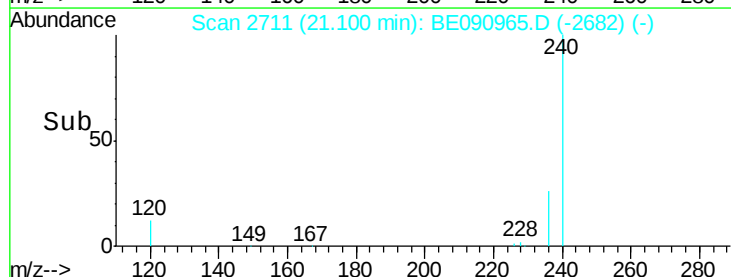
229 37.4 15.3 22.9#

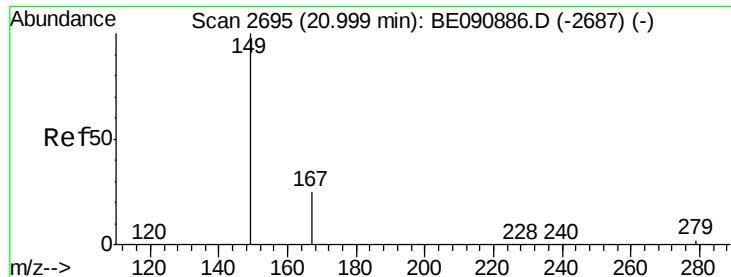


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

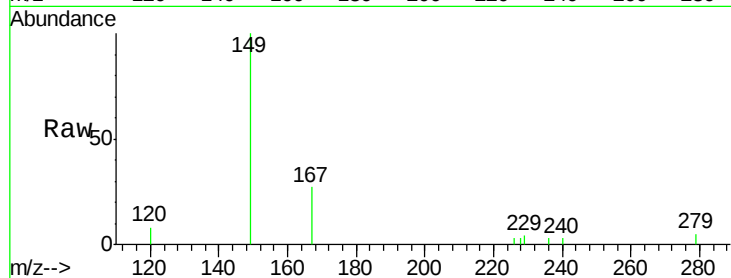




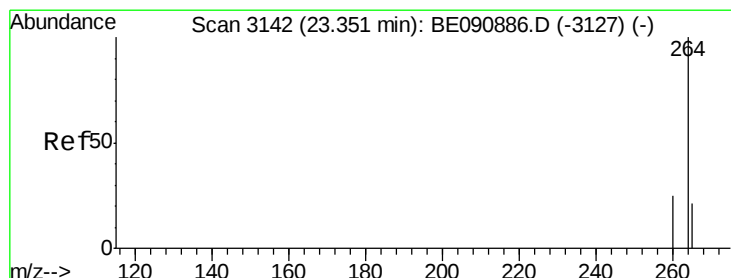
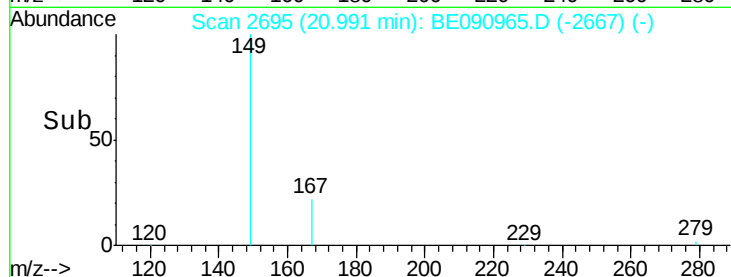
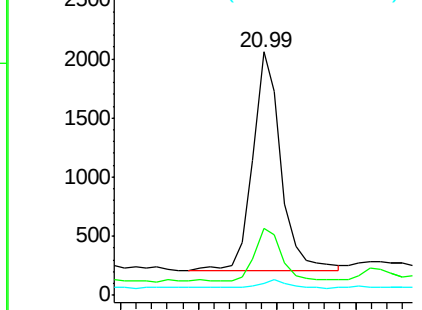
#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.23 ng
 RT: 20.99 min Scan# 2695
 Delta R.T. -0.01 min
 Lab File: BE090965.D
 Acq: 24 Sep 2015 4:39

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:149 Resp: 2297
 Ion Ratio Lower Upper
 149 100
 167 23.8 20.1 30.1
 279 3.5 2.3 3.5#

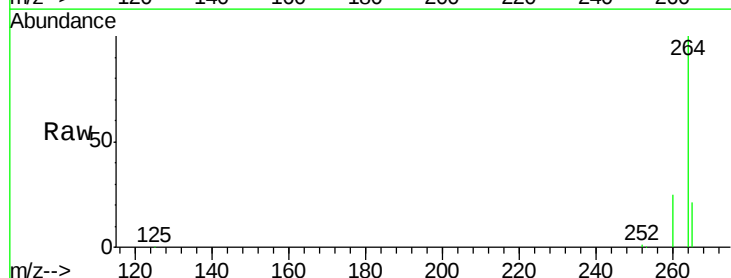


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#33
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: BE090965.D
 Acq: 24 Sep 2015 4:39

Tgt Ion:264 Resp: 268618
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.7 29.5
 265 21.4 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

