

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090911.D
 Acq On : 21 Sep 2015 5:44
 Operator : UM/IZ
 Sample : G3723-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091615-D534-F-D-M

Quant Time: Sep 21 06:39:28 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	32365	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	134365	5.00	ng	0.00
13) Acenaphthene-d10	14.17	164	69317	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	167081	5.00	ng	0.00
26) Chrysene-d12	21.07	240	217272	5.00	ng	0.00
33) Perylene-d12	23.35	264	200935	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	28992	3.98	ng	0.00
5) Phenol-d6	6.75	99	21406	2.12	ng	0.00
8) Nitrobenzene-d5	8.71	82	40197	4.34	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	21955	8.97	ng	-0.02
15) 2-Fluorobiphenyl	12.80	172	87419	4.45	ng	0.00
28) Terphenyl-d14	19.52	244	163041	6.66	ng	0.00

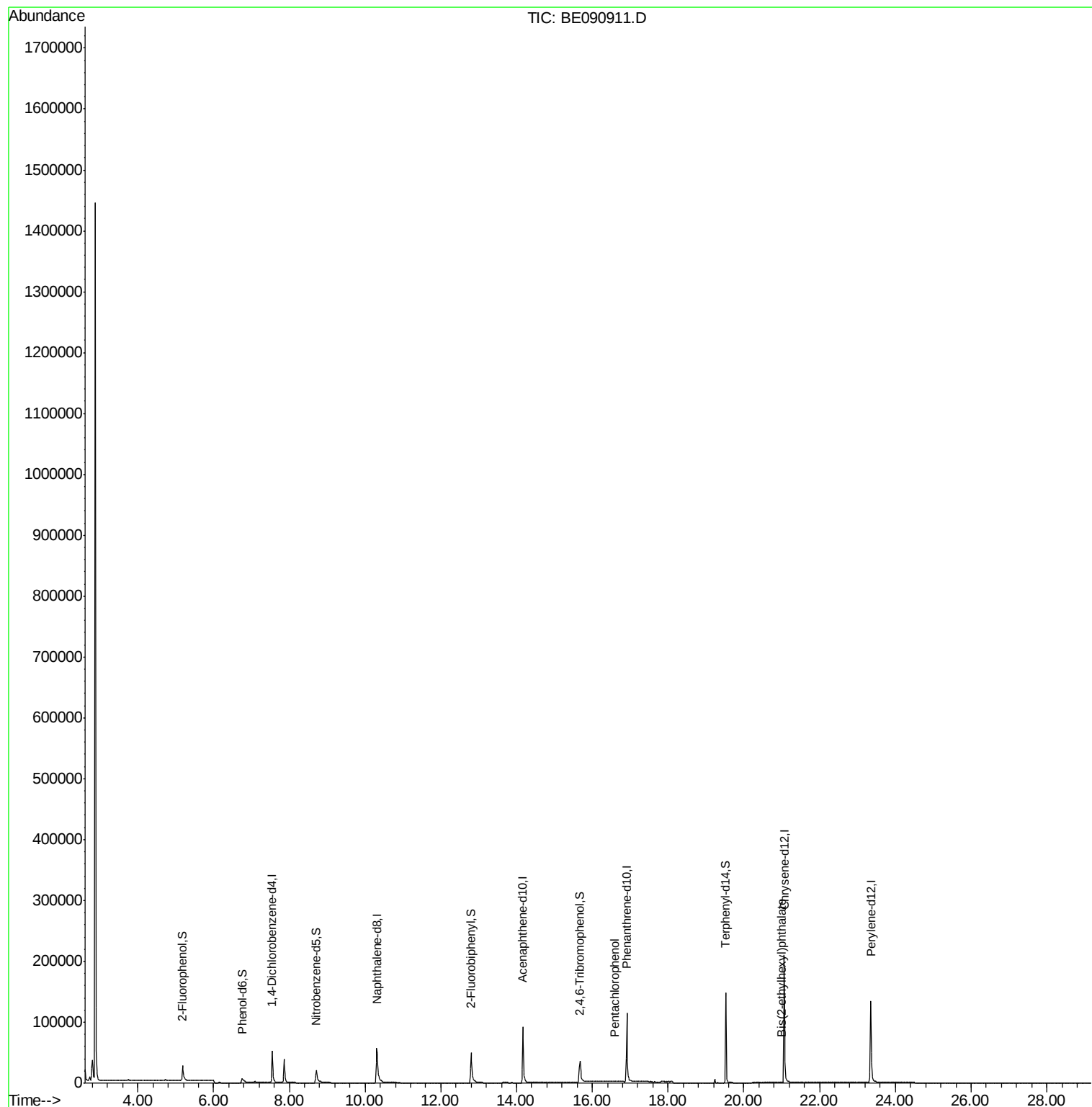
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	146	Below Cal	#	52
3) n-Nitrosodimethylamine	3.45	42	68	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.99	93	20	Below Cal	#	1
10) Naphthalene	10.36	128	173	Below Cal	#	1
11) Hexachlorobutadiene	10.65	225	8	Below Cal	#	45
18) Fluorene	15.24	166	88	Below Cal	#	87
21) Hexachlorobenzene	16.23	284	84	Below Cal	#	16
22) Pentachlorophenol	16.60	266	100	0.21 ng	#	63
23) Phenanthrene	16.94	178	398	Below Cal	#	69
30) Chrysene	21.10	228	426	Below Cal	#	66
31) Bis(2-ethylhexyl)phthalate	20.99	149	1300	0.22 ng	#	98

(#) = 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: BE090911.D

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Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-M

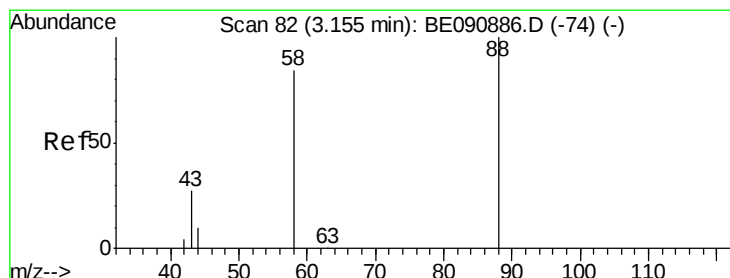
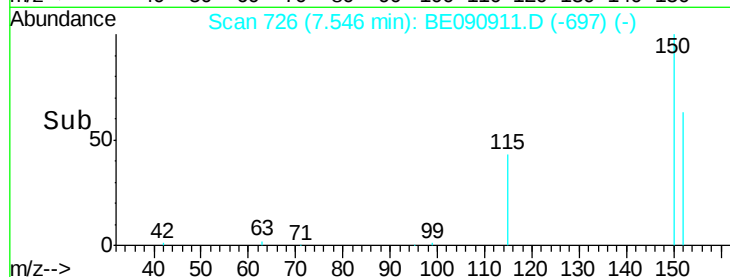
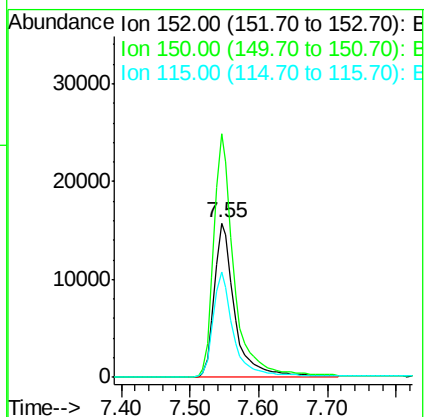
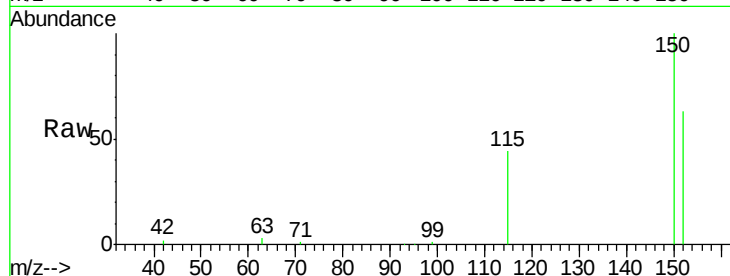
Tot Ion:152 Resp: 32365

Ion Ratio Lower Upper

152 100

150 157.8 122.2 183.4

115 68.7 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.15 min Scan# 81

Delta R.T. -0.01 min

Lab File: BE090911.D

Acq: 21 Sep 2015 5:44

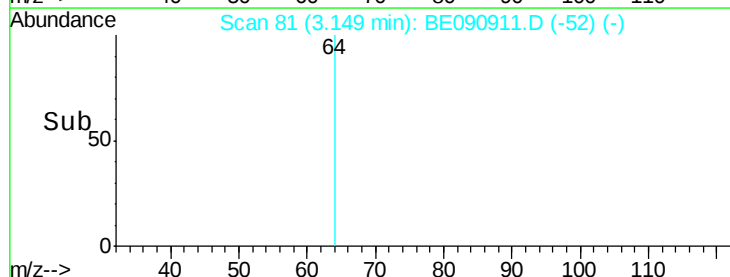
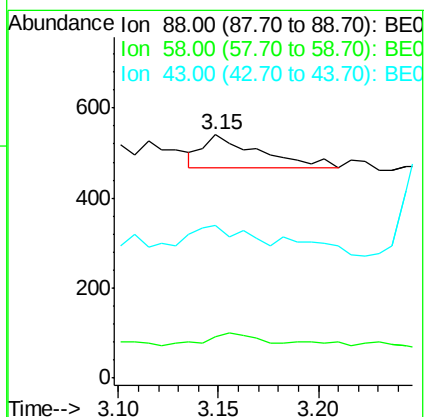
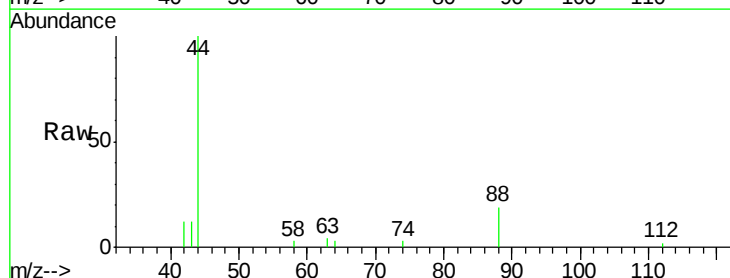
Tgt Ion: 88 Resp: 146

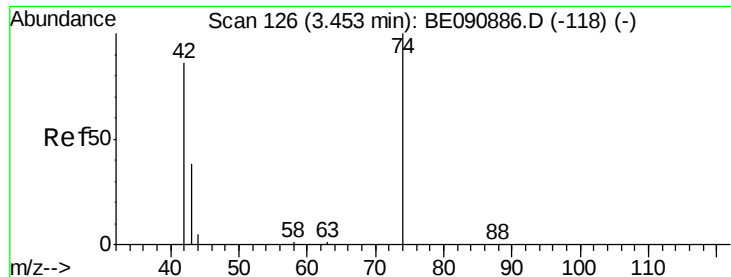
Ion Ratio Lower Upper

88 100

58 35.6 68.4 102.6#

43 50.7 26.9 40.3#



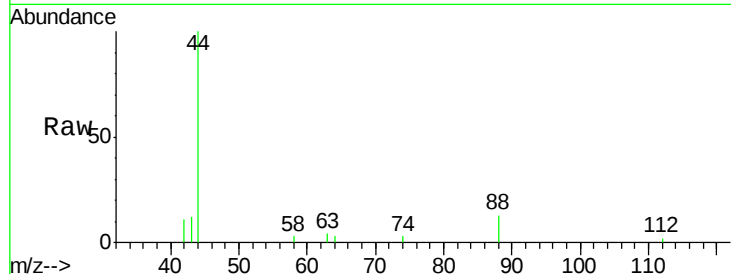


#3

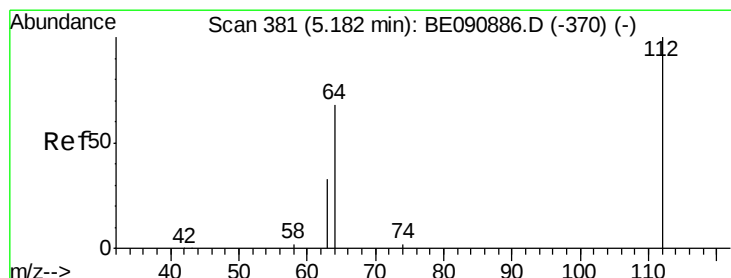
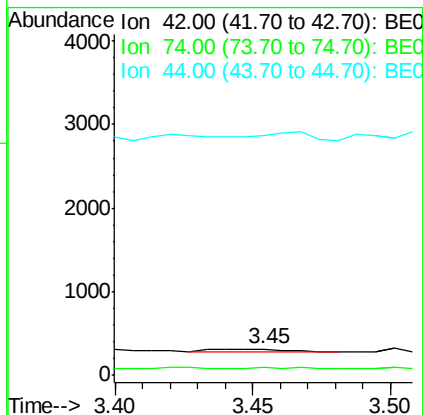
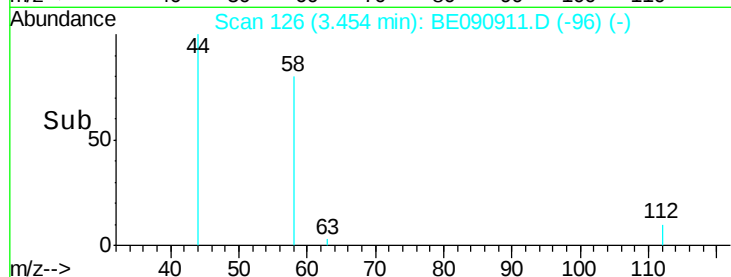
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090911.D
 Acq: 21 Sep 2015 5:44

Instrument :
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 091615-D534-F-D-M

Tot Ion	42	Resp	68
Ion Ratio	Lower	Upper	
42	100		
74	13.2	83.7	125.5#
44	150.0	10.0	15.0#



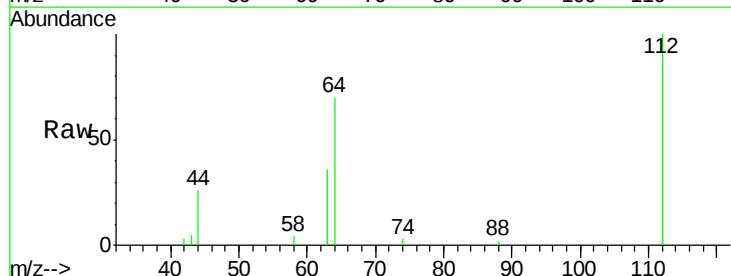
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



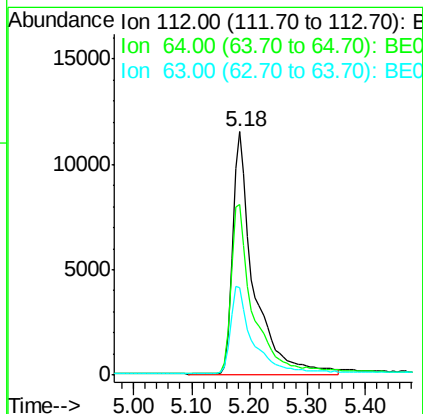
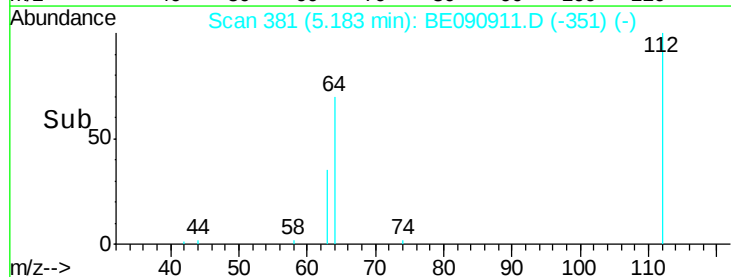
#4

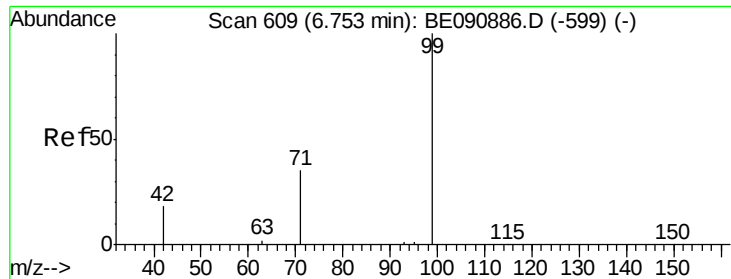
2-Fluorophenol
 Concen: 3.98 ng
 RT: 5.18 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: BE090911.D
 Acq: 21 Sep 2015 5:44

Tgt Ion	112	Resp	28992
Ion Ratio	Lower	Upper	
112	100		
64	72.5	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: 2.12 ng

RT: 6.75 min Scan# 609

Delta R.T. -0.00 min

Lab File: BE090911.D

Acq: 21 Sep 2015 5:44

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-M

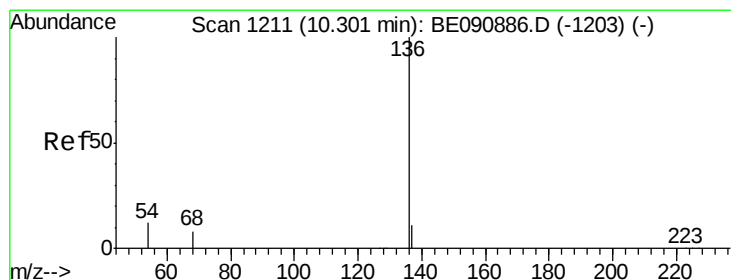
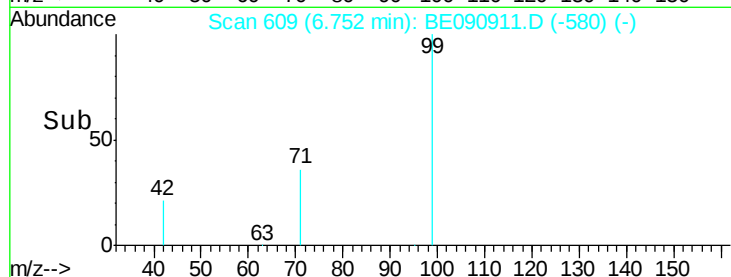
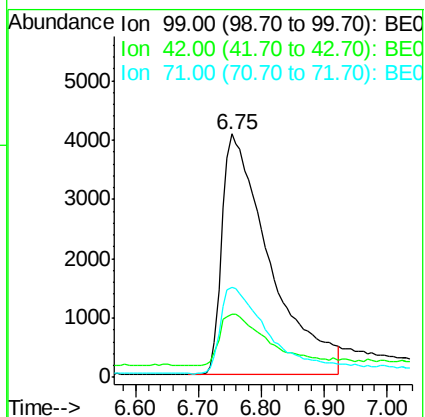
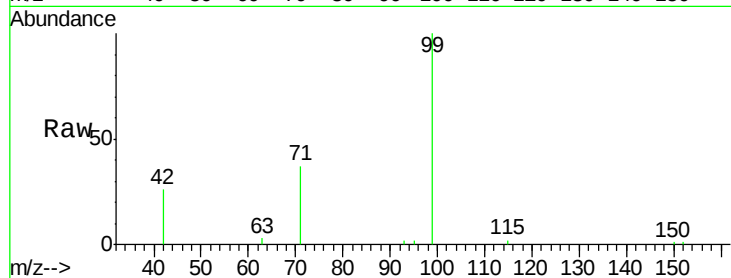
Tot Ion: 99 Resp: 21406

Ion Ratio Lower Upper

99 100

42 22.3 16.8 25.2

71 36.5 28.3 42.5



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BE090911.D

Acq: 21 Sep 2015 5:44

Tgt Ion: 136 Resp: 134365

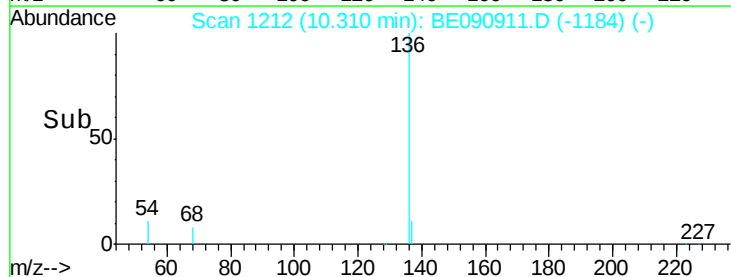
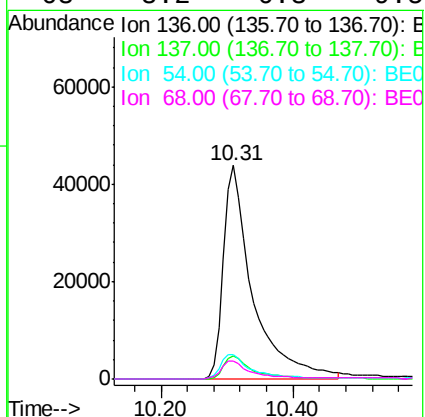
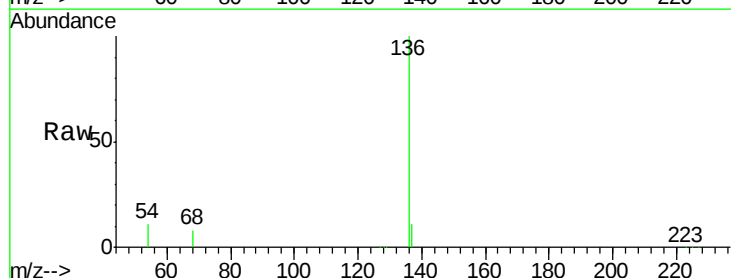
Ion Ratio Lower Upper

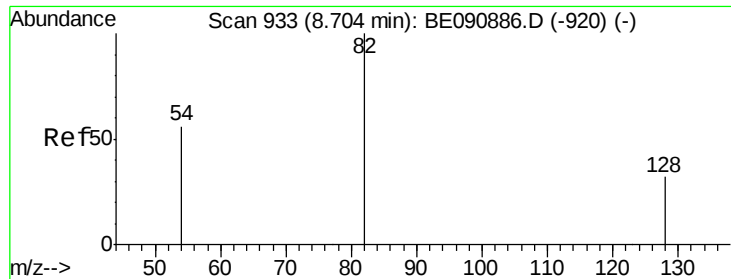
136 100

137 11.0 8.7 13.1

54 11.4 9.0 13.6

68 8.2 6.3 9.5

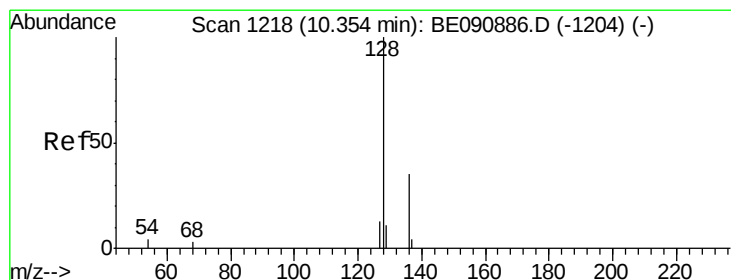
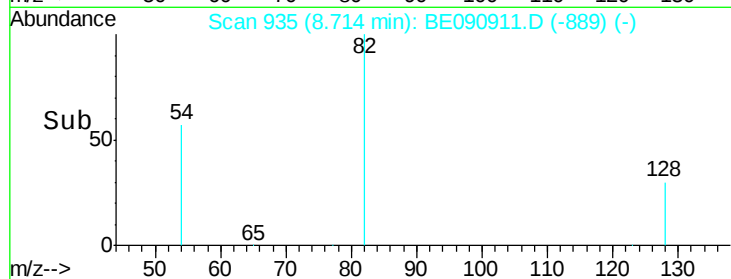
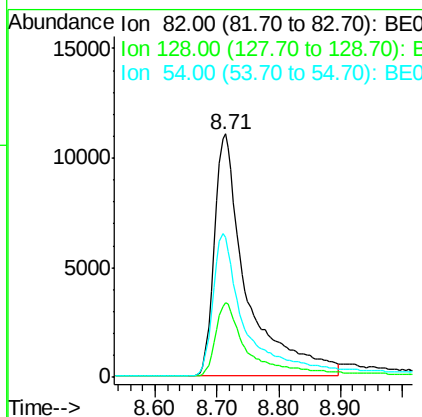
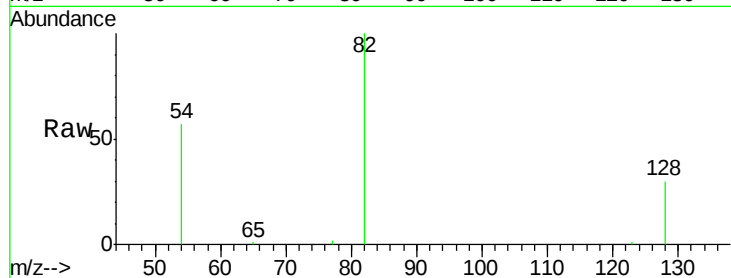




#8
 Nitrobenzene-d5
 Concen: 4.34 ng
 RT: 8.71 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: BE090911.D
 Acq: 21 Sep 2015 5:44

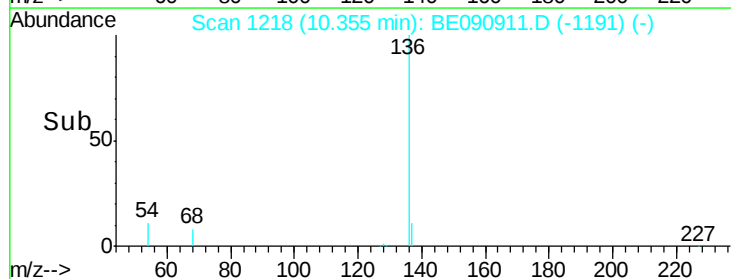
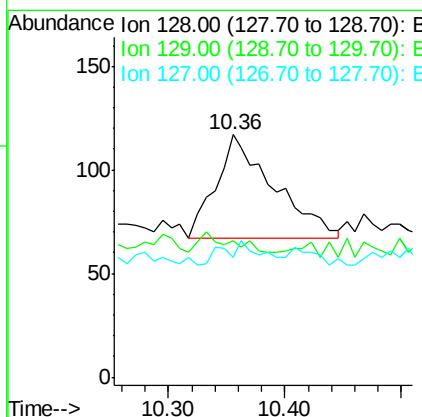
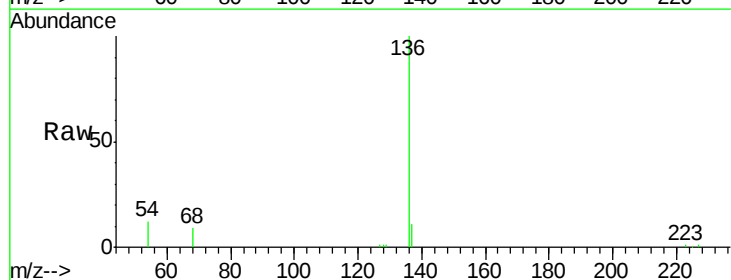
Instrument :
 BNA_E
 ClientSampleId :
 091615-D534-F-D-M

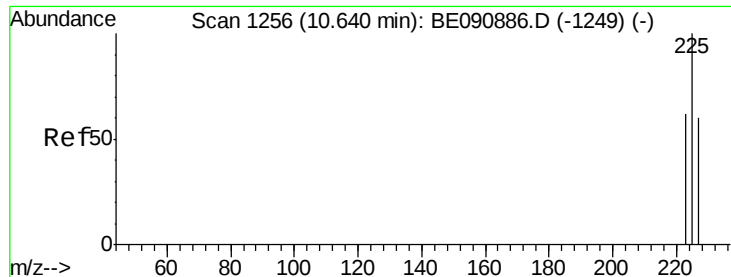
Tot Ion	82	Resp	40197
Ion Ratio	Lower	Upper	
82	100		
128	30.5	25.0	37.4
54	57.4	46.3	69.5



#10
 Naphthalene
 Concen: Below Cal
 RT: 10.36 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: BE090911.D
 Acq: 21 Sep 2015 5:44

Tgt Ion	128	Resp	173
Ion Ratio	Lower	Upper	
128	100		
129	56.4	8.4	12.6#
127	49.6	9.9	14.9#

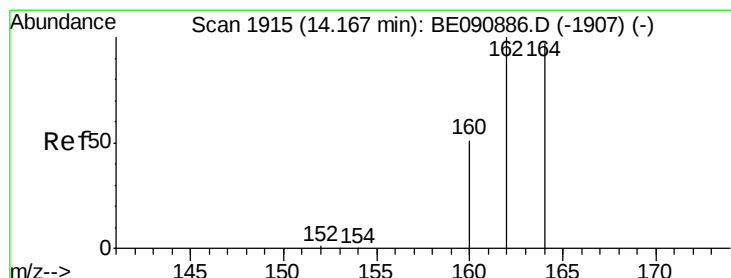
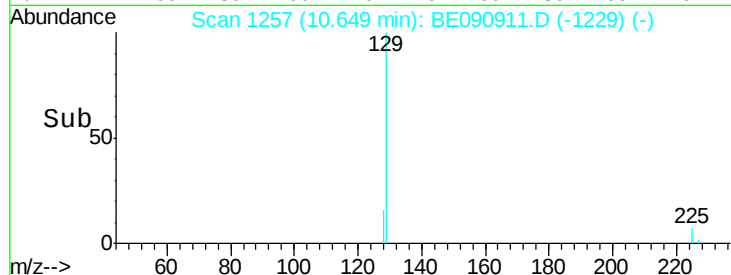
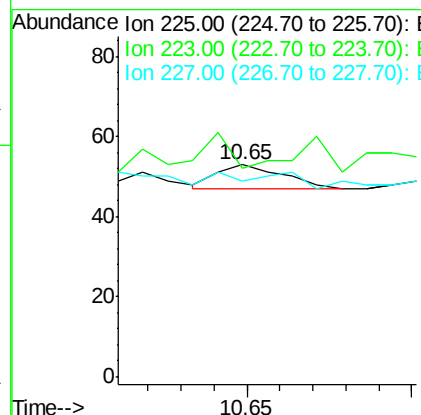
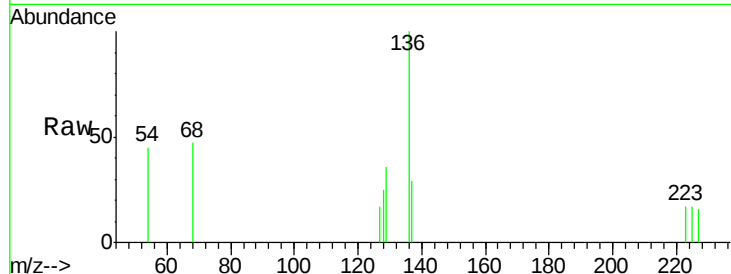




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 10.65 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BE090911.D
Acq: 21 Sep 2015 5:44

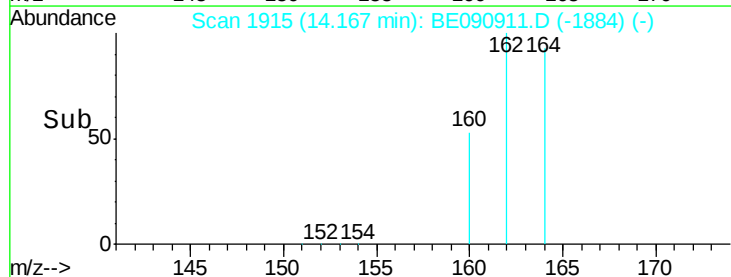
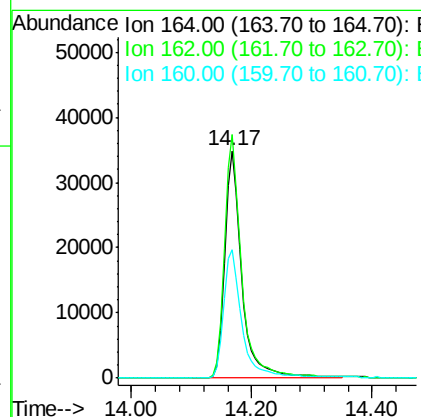
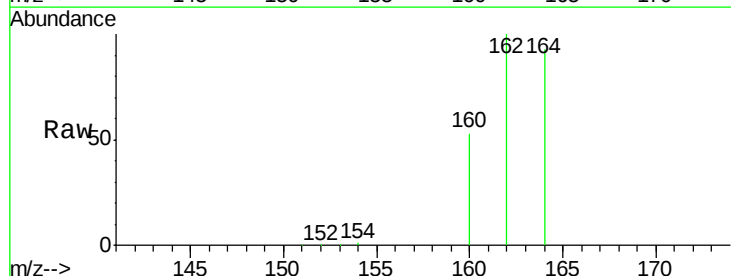
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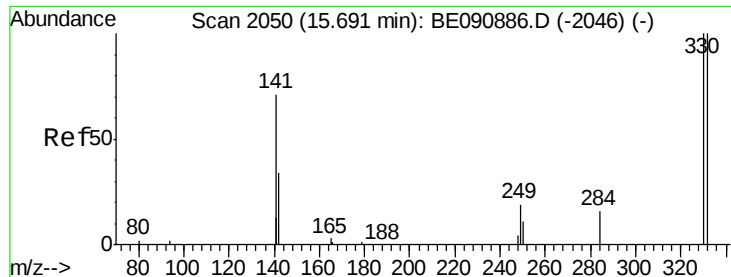
Tot Ion:225 Resp: 8
Ion Ratio Lower Upper
225 100
223 137.5 50.6 76.0#
227 75.0 51.0 76.6



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 1915
Delta R.T. 0.00 min
Lab File: BE090911.D
Acq: 21 Sep 2015 5:44

Tgt Ion:164 Resp: 69317
Ion Ratio Lower Upper
164 100
162 107.0 86.8 130.2
160 56.3 53.9 80.9

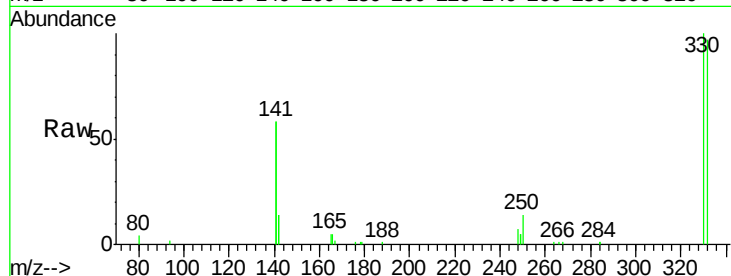




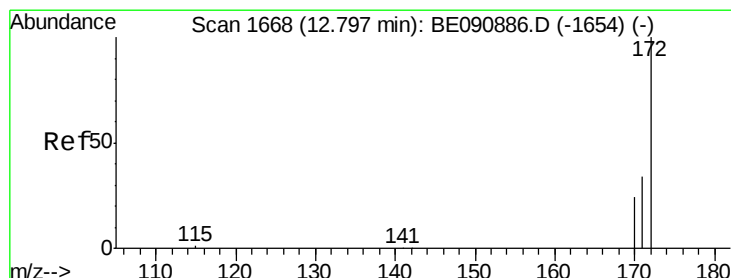
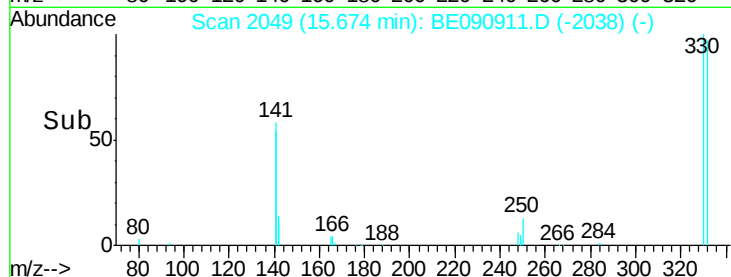
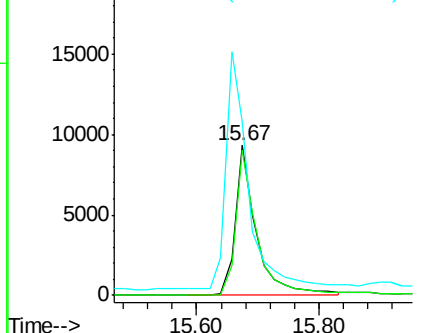
#14
 2,4,6-Tribromophenol
 Concen: 8.97 ng
 RT: 15.67 min Scan# 2049
 Delta R.T. -0.02 min
 Lab File: BE090911.D
 Acq: 21 Sep 2015 5:44

Instrument :
 BNA_E
 ClientSampleId :
 091615-D534-F-D-M

Tot Ion:330 Resp: 21955
 Ion Ratio Lower Upper
 330 100
 332 97.4 74.9 112.3
 141 171.7 145.2 217.8

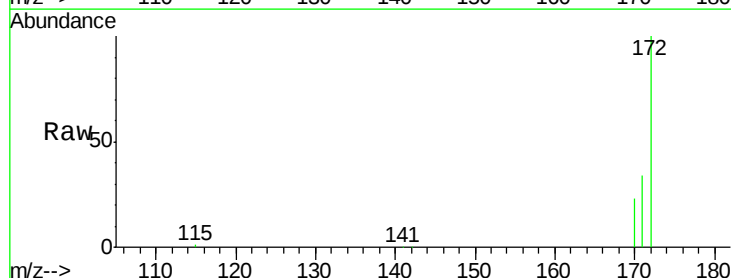


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

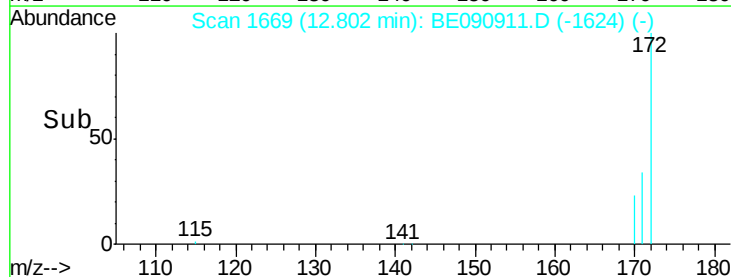
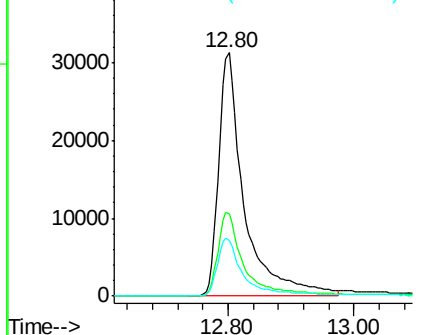


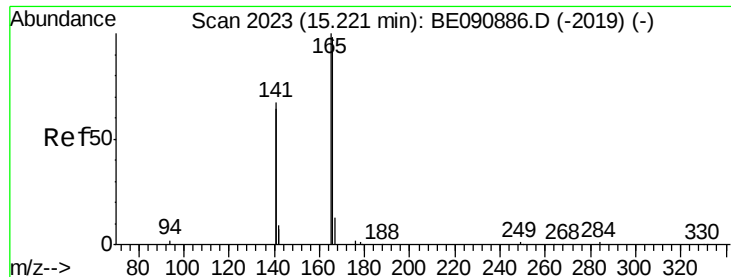
#15
 2-Fluorobiphenyl
 Concen: 4.45 ng
 RT: 12.80 min Scan# 1669
 Delta R.T. 0.00 min
 Lab File: BE090911.D
 Acq: 21 Sep 2015 5:44

Tgt Ion:172 Resp: 87419
 Ion Ratio Lower Upper
 172 100
 171 34.0 27.8 41.8
 170 23.0 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# 2024

Delta R.T. 0.02 min

Lab File: BE090911.D

Acq: 21 Sep 2015 5:44

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-M

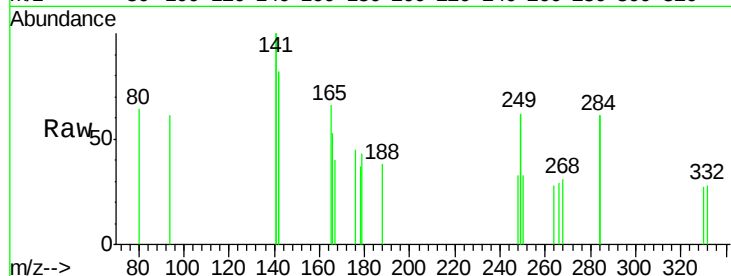
Tot Ion:166 Resp: 88

Ion Ratio Lower Upper

166 100

165 98.9 82.7 124.1

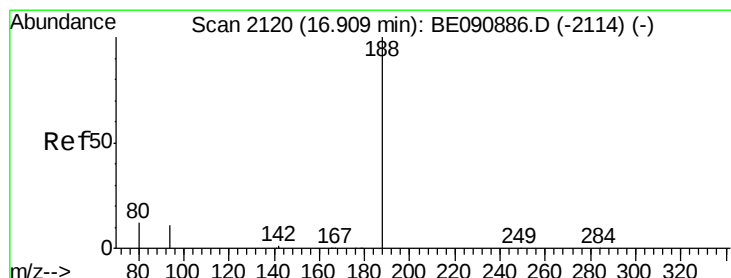
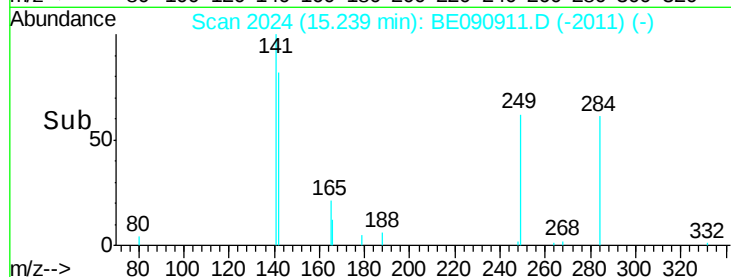
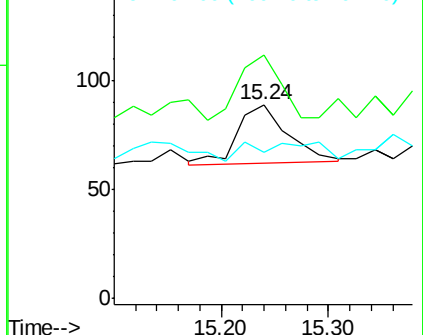
167 45.5 10.7 16.1#



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: BE090911.D

Acq: 21 Sep 2015 5:44

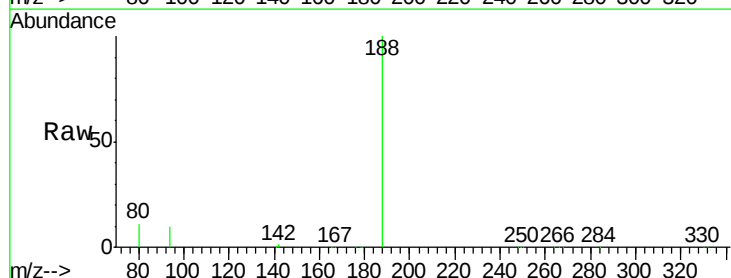
Tgt Ion:188 Resp: 167081

Ion Ratio Lower Upper

188 100

94 9.6 10.3 15.5#

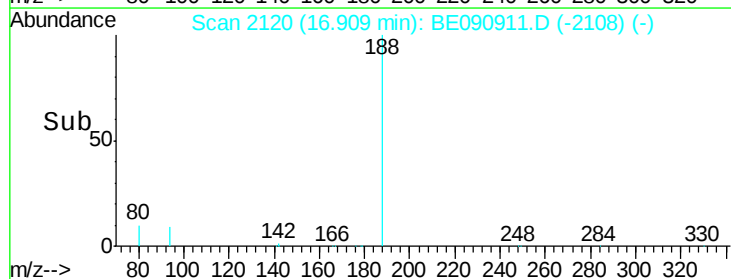
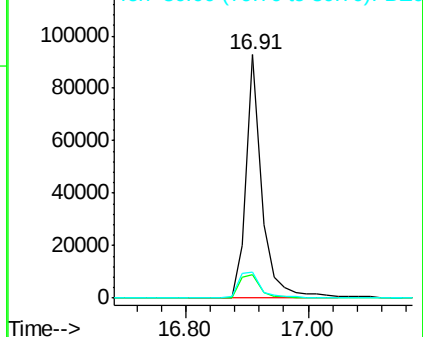
80 10.6 11.0 16.6#

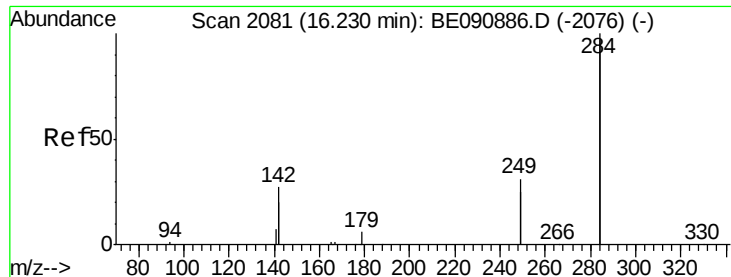


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BE090911.D

Acq: 21 Sep 2015 5:44

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-M

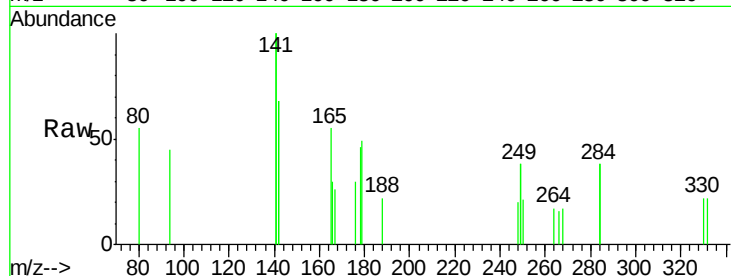
Tot Ion:284 Resp: 84

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

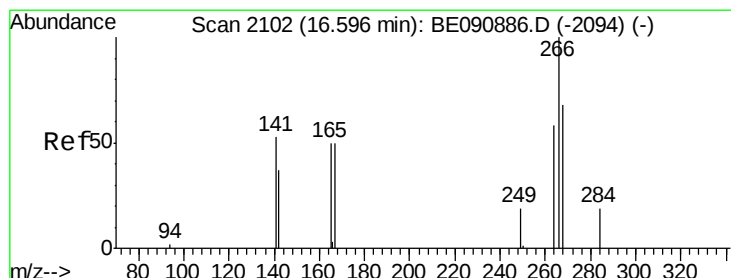
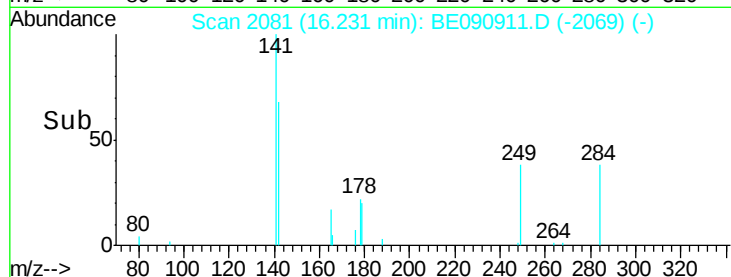
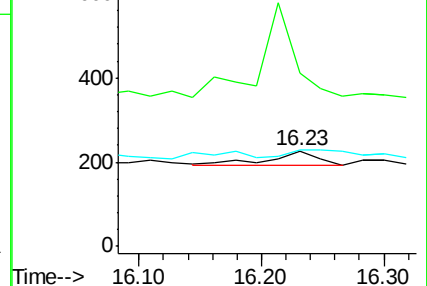
249 91.7 25.5 38.3#



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: 0.21 ng

RT: 16.60 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BE090911.D

Acq: 21 Sep 2015 5:44

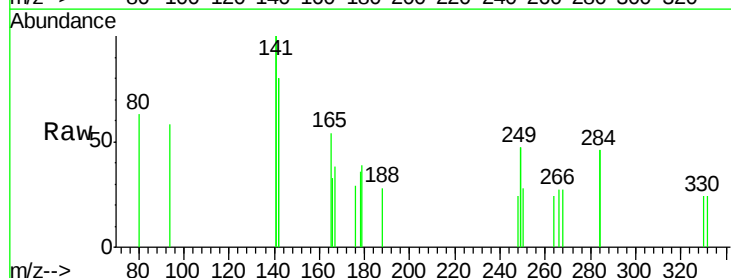
Tgt Ion:266 Resp: 100

Ion Ratio Lower Upper

266 100

268 100.0 49.6 74.4#

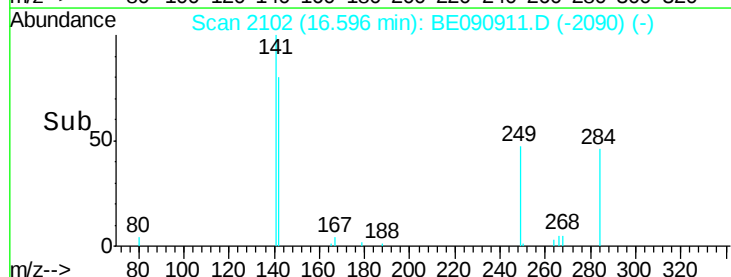
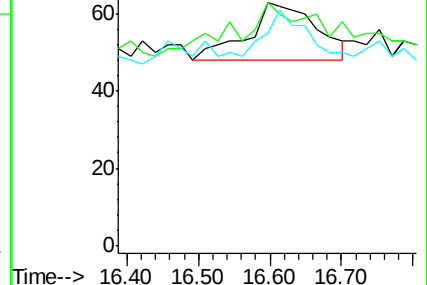
264 87.3 53.9 80.9#

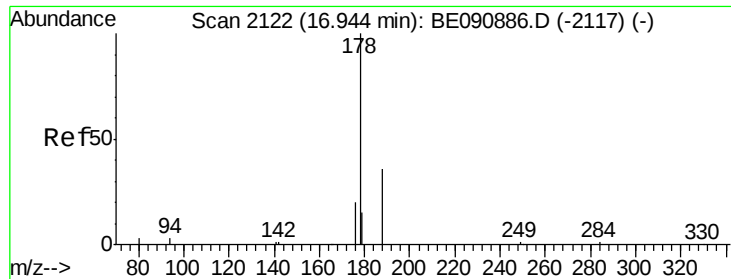


Abundance Ion 265.70 (265.40 to 266.40): E

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# 2122

Delta R.T. 0.00 min

Lab File: BE090911.D

Acq: 21 Sep 2015 5:44

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-M

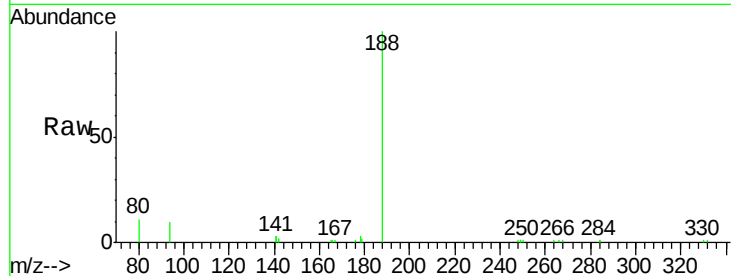
Tot Ion:178 Resp: 398

Ion Ratio Lower Upper

178 100

176 31.2 15.6 23.4#

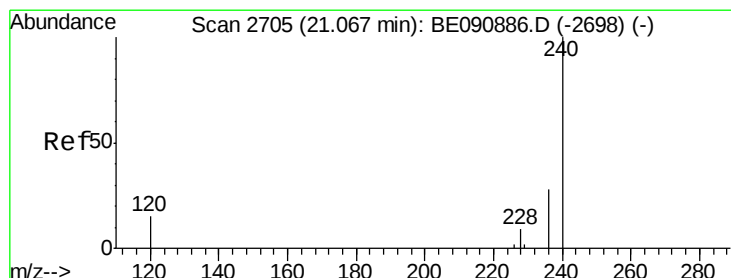
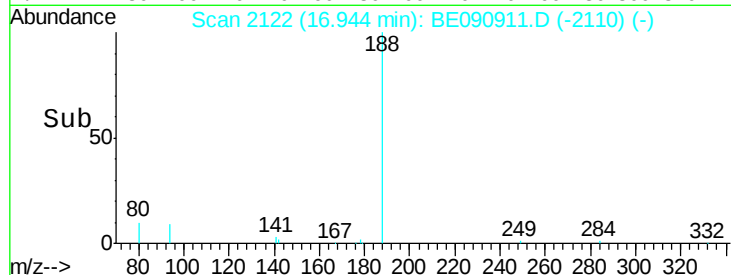
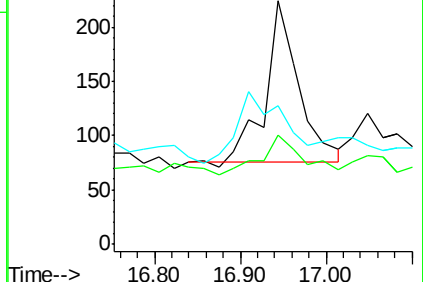
179 0.0 12.8 19.2#



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# 2704

Delta R.T. -0.00 min

Lab File: BE090911.D

Acq: 21 Sep 2015 5:44

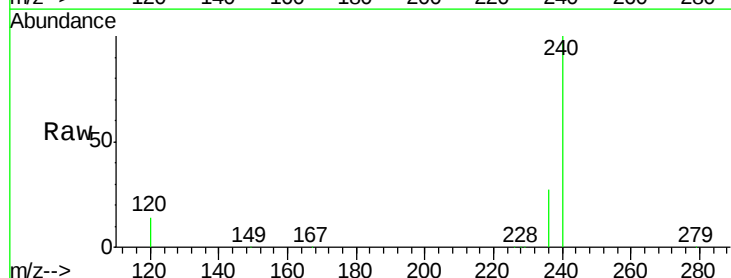
Tgt Ion:240 Resp: 217272

Ion Ratio Lower Upper

240 100

120 14.0 10.1 15.1

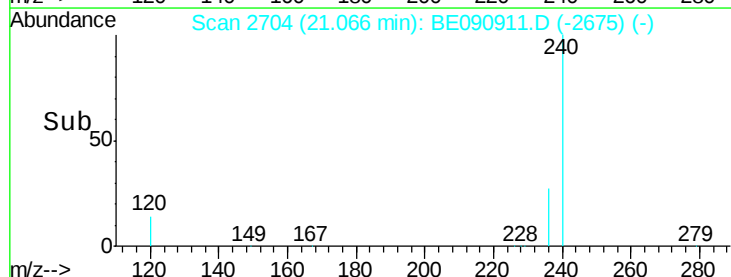
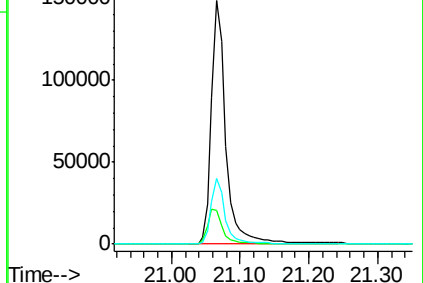
236 27.2 21.9 32.9

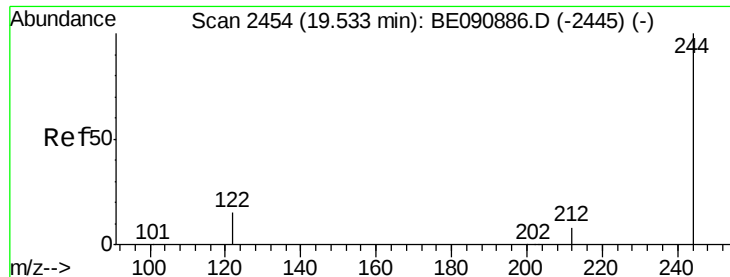


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Terphenyl-d14

Concen: 6.66 ng

RT: 19.52 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BE090911.D

Acq: 21 Sep 2015 5:44

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-M

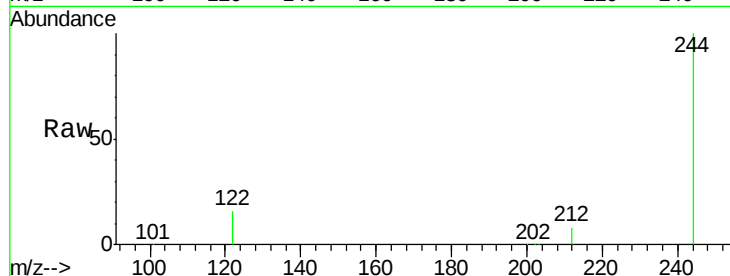
Tot Ion:244 Resp: 163041

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

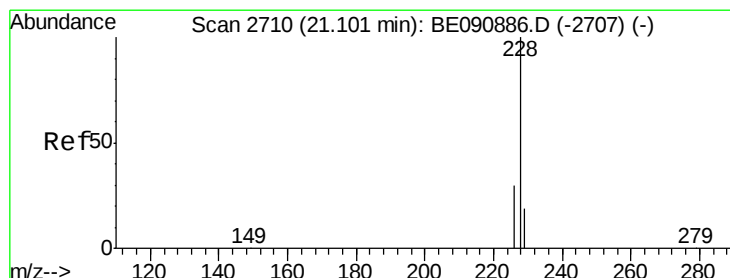
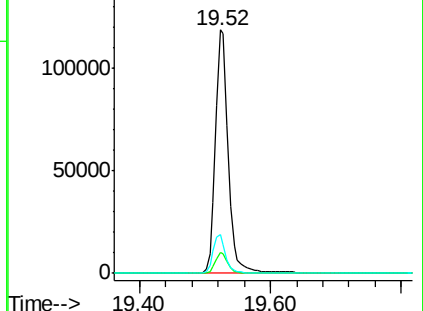
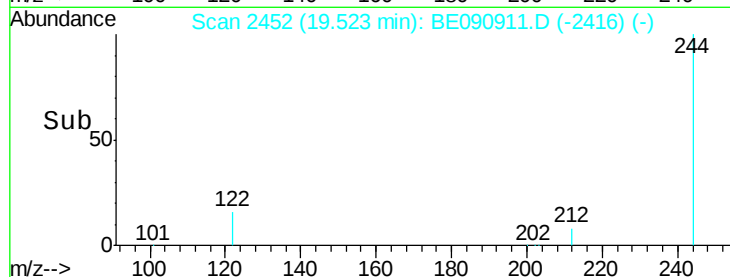
122 16.2 12.9 19.3



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# 2709

Delta R.T. -0.00 min

Lab File: BE090911.D

Acq: 21 Sep 2015 5:44

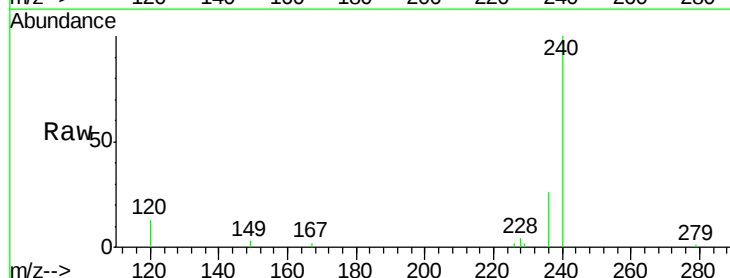
Tgt Ion:228 Resp: 426

Ion Ratio Lower Upper

228 100

226 44.2 24.2 36.4#

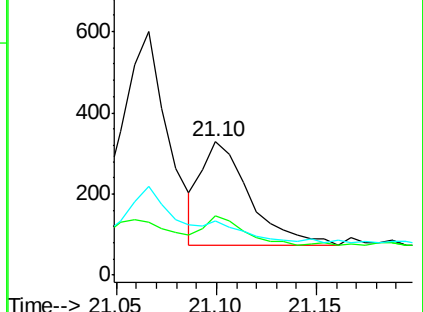
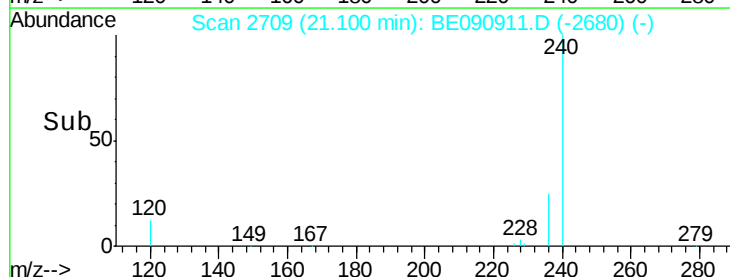
229 40.5 15.3 22.9#

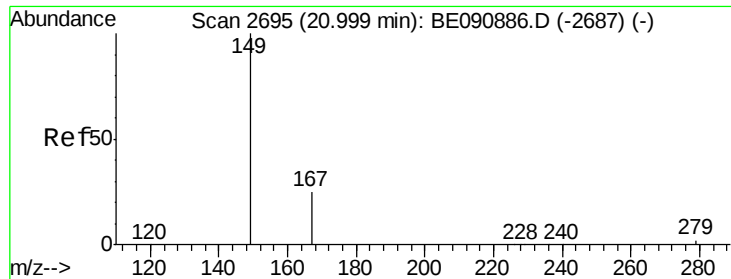


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

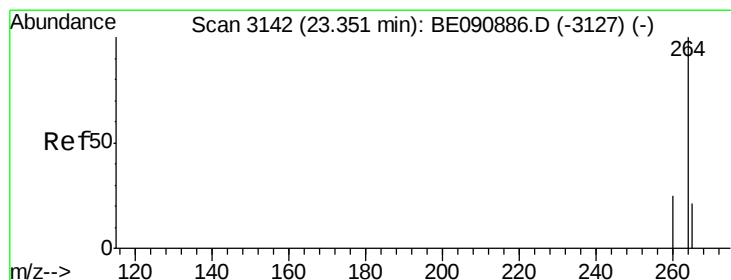
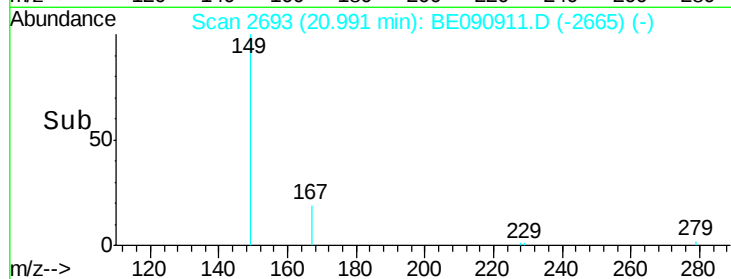
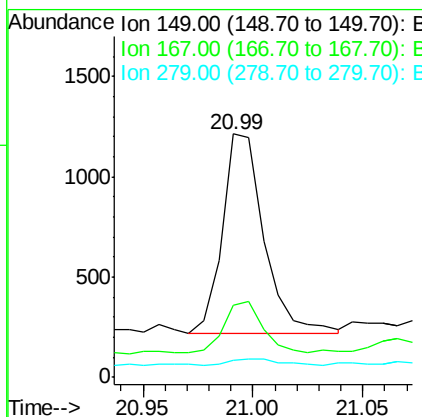
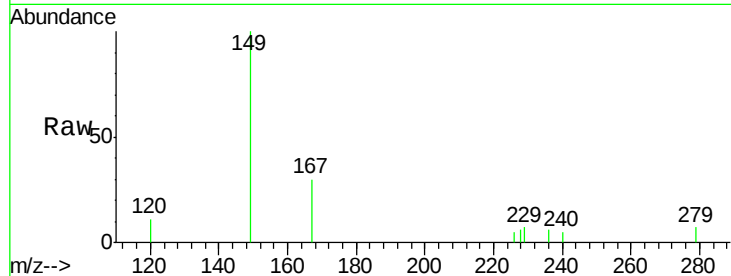




#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.22 ng
 RT: 20.99 min Scan# 2693
 Delta R.T. -0.01 min
 Lab File: BE090911.D
 Acq: 21 Sep 2015 5:44

Instrument :
 BNA_E
 ClientSampleId :
 091615-D534-F-D-M

Tot Ion:149 Resp: 1300
 Ion Ratio Lower Upper
 149 100
 167 24.4 20.1 30.1
 279 3.8 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: BE090911.D
 Acq: 21 Sep 2015 5:44

Tgt Ion:264 Resp: 200935
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.7 29.5
 265 21.5 17.5 26.3

