

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090927.D
 Acq On : 21 Sep 2015 20:28
 Operator : UM/IZ
 Sample : G3745-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091715-D534-F-D-S

Quant Time: Sep 22 00:43:16 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

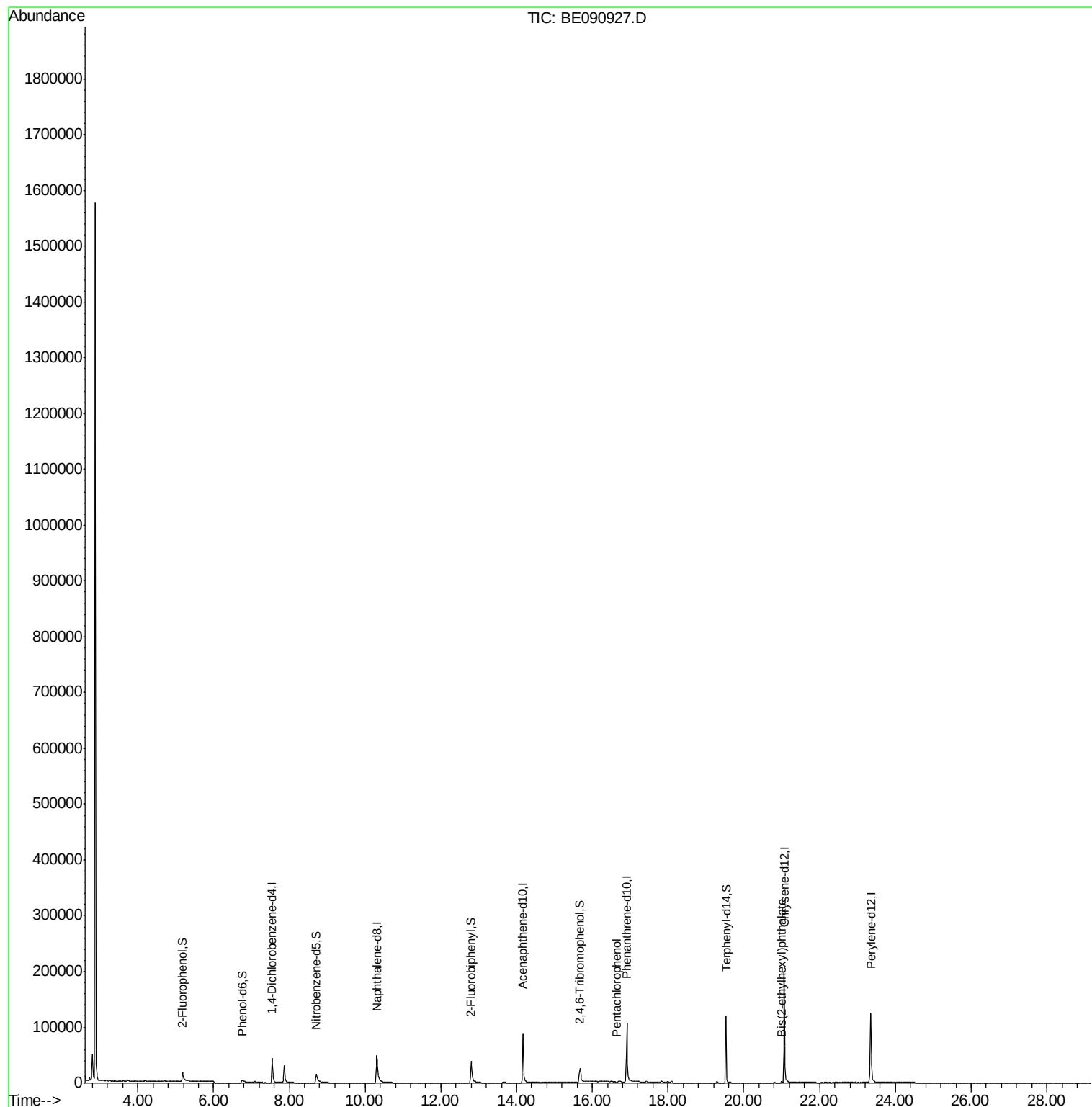
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	27648	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	118250	5.00	ng	0.00
13) Acenaphthene-d10	14.17	164	64906	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	162352	5.00	ng	0.00
26) Chrysene-d12	21.07	240	207857	5.00	ng	0.00
33) Perylene-d12	23.35	264	191645	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	19643	3.14	ng	0.00
5) Phenol-d6	6.75	99	14769	1.71	ng	0.00
8) Nitrobenzene-d5	8.71	82	31993	3.93	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	15591	6.81	ng	-0.02
15) 2-Fluorobiphenyl	12.80	172	72445	3.94	ng	0.00
28) Terphenyl-d14	19.53	244	132266	5.64	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	67	Below Cal	#	51
3) n-Nitrosodimethylamine	3.44	42	24	Below Cal	#	1
6) bis(2-Chloroethyl)ether	7.00	93	20	Below Cal	#	25
10) Naphthalene	10.35	128	114	Below Cal	#	1
11) Hexachlorobutadiene	10.63	225	5	Below Cal	#	1
18) Fluorene	15.22	166	111	Below Cal	#	92
21) Hexachlorobenzene	16.23	284	39	Below Cal	#	1
22) Pentachlorophenol	16.65	266	15	0.18 ng	#	61
23) Phenanthrene	16.94	178	692	Below Cal	#	71
30) Chrysene	21.10	228	413	Below Cal	#	67
31) Bis(2-ethylhexyl)phthalate	20.99	149	1885	0.25 ng	#	98

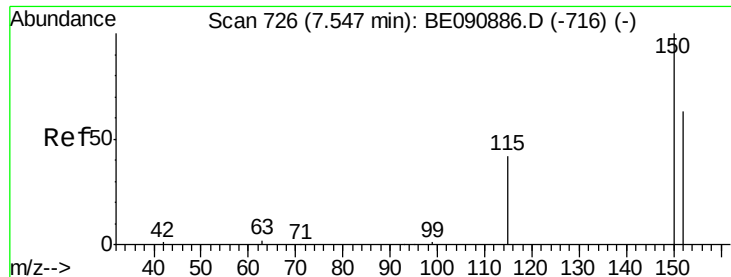
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
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Quant Time: Sep 22 00:43:16 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 726

Delta R.T. -0.00 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-S

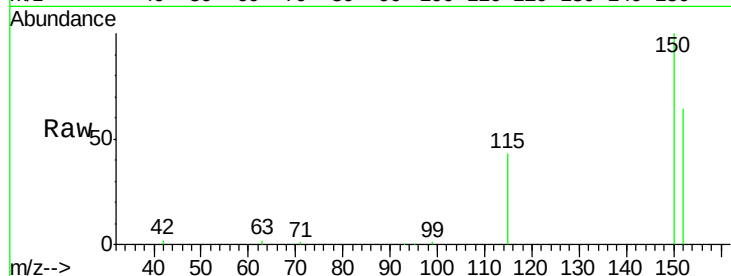
Tot Ion:152 Resp: 27648

Ion Ratio Lower Upper

152 100

150 156.7 122.2 183.4

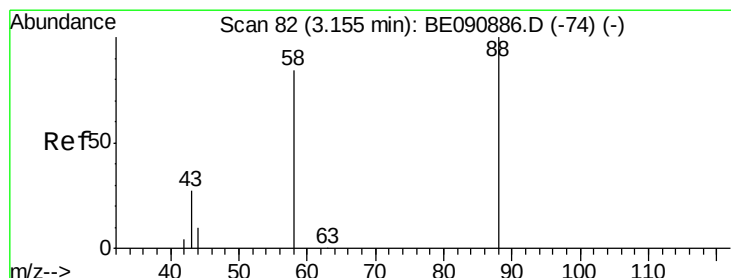
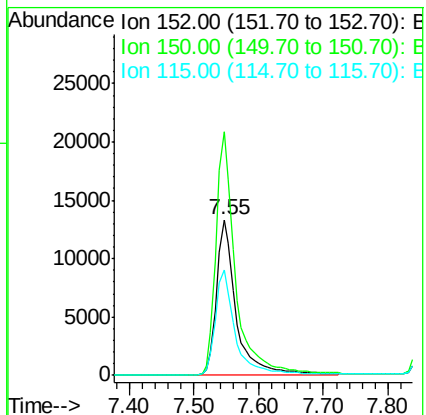
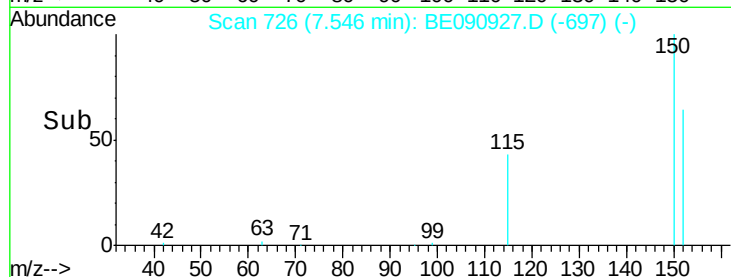
115 68.0 51.0 76.4



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: 3.15 min Scan# 81

Delta R.T. -0.01 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

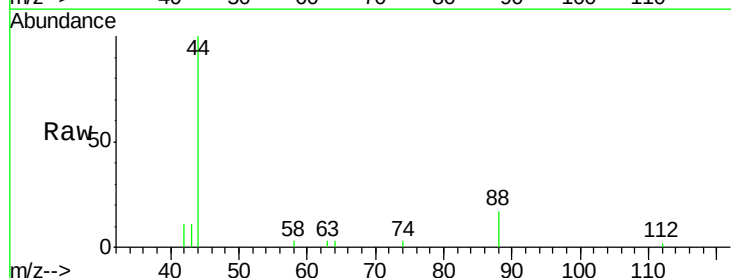
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

58 85.1 68.4 102.6

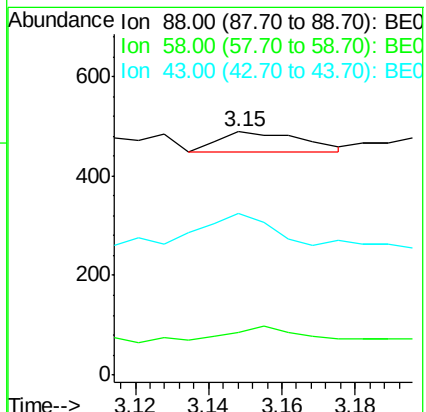
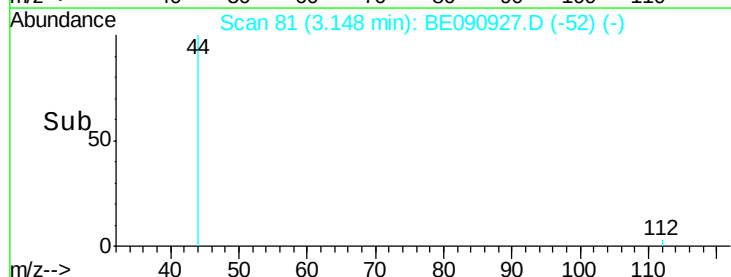
43 132.8 26.9 40.3#

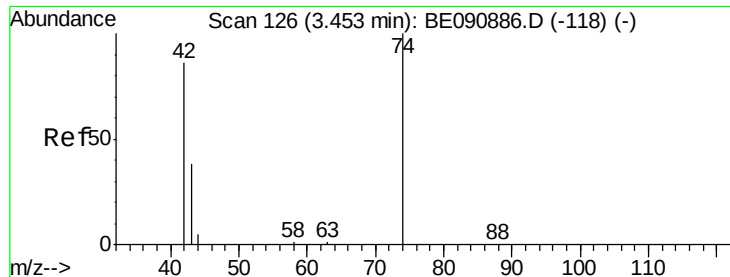


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



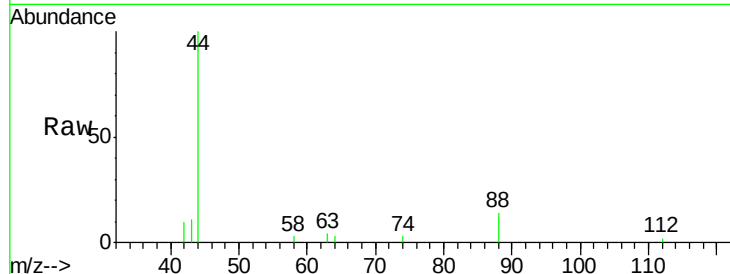


#3

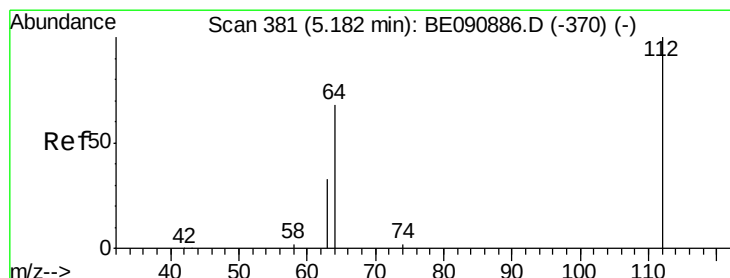
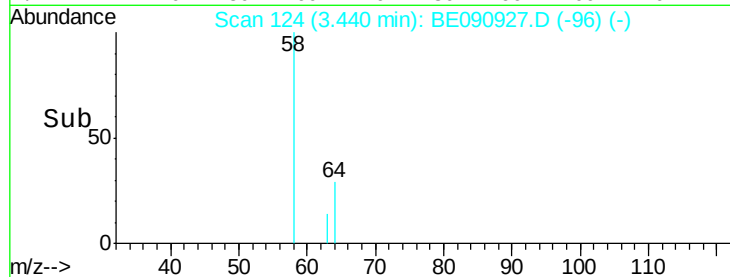
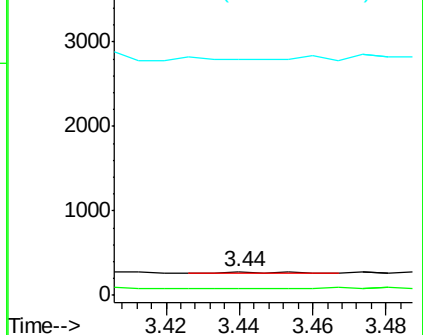
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.44 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: BE090927.D
 Acq: 21 Sep 2015 20:28

Instrument :
 BNA_E
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 091715-D534-F-D-S

Tot Ion: 42 Resp: 24
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 158.3 10.0 15.0#



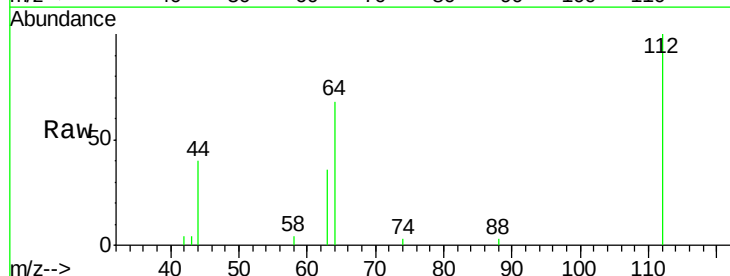
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



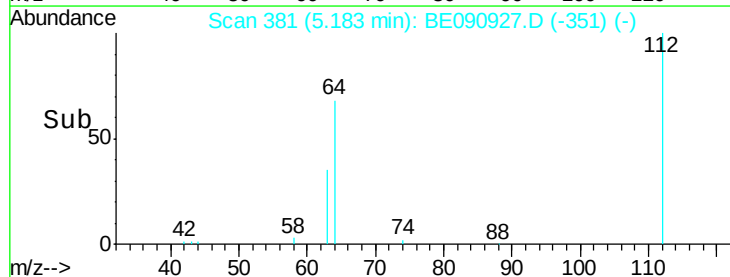
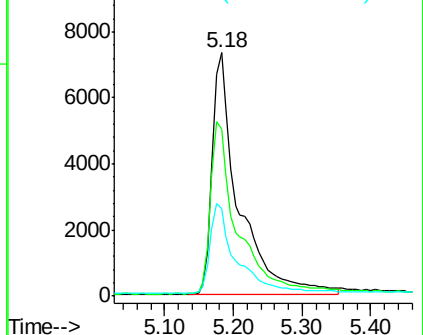
#4

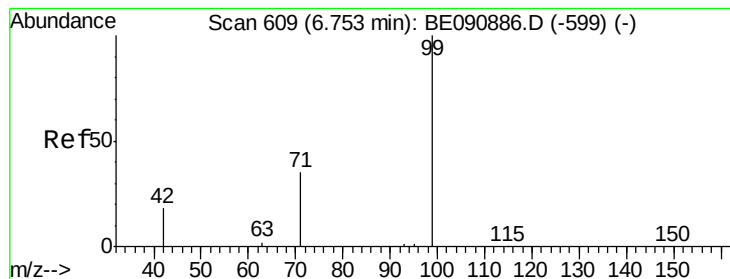
2-Fluorophenol
 Concen: 3.14 ng
 RT: 5.18 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: BE090927.D
 Acq: 21 Sep 2015 20:28

Tgt Ion: 112 Resp: 19643
 Ion Ratio Lower Upper
 112 100
 64 72.3 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: 1.71 ng

RT: 6.75 min Scan# 609

Delta R.T. -0.00 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-S

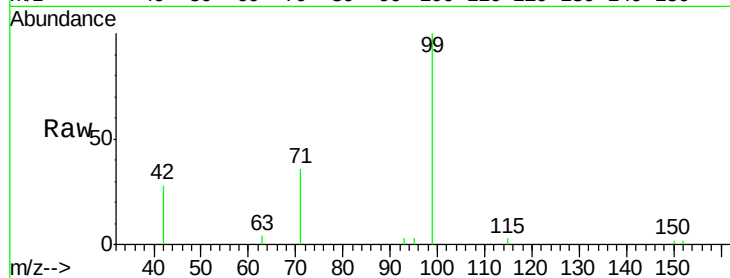
Tot Ion: 99 Resp: 14769

Ion Ratio Lower Upper

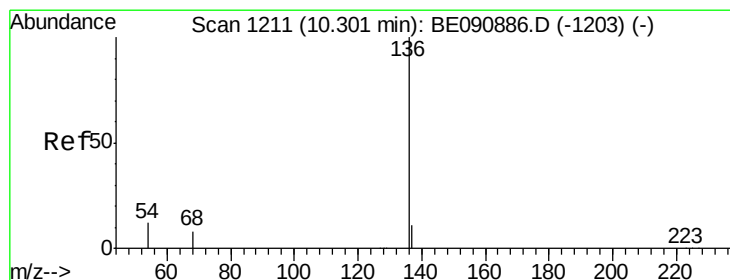
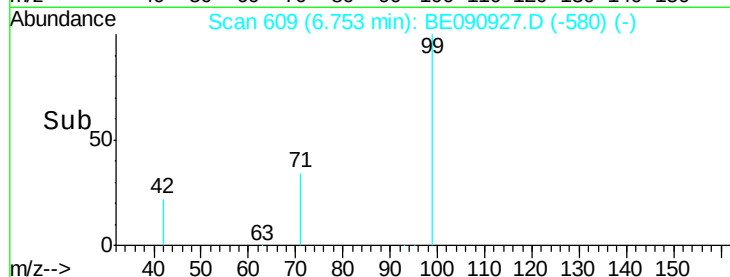
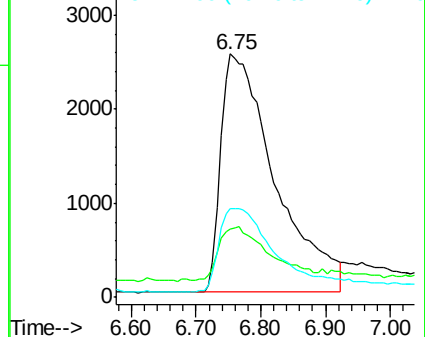
99 100

42 21.5 16.8 25.2

71 36.5 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: 10.31 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

Tgt Ion: 136 Resp: 118250

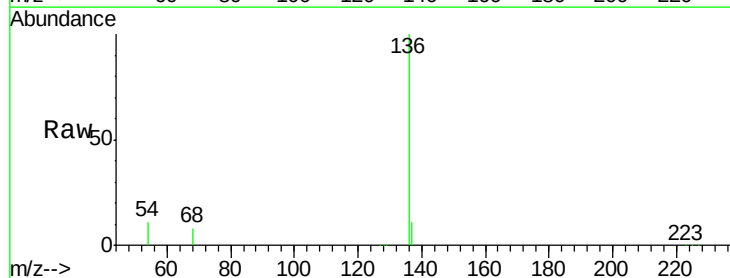
Ion Ratio Lower Upper

136 100

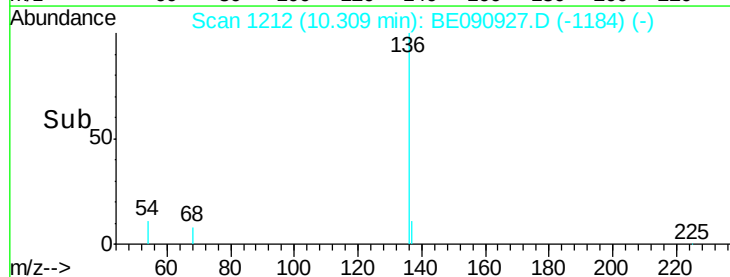
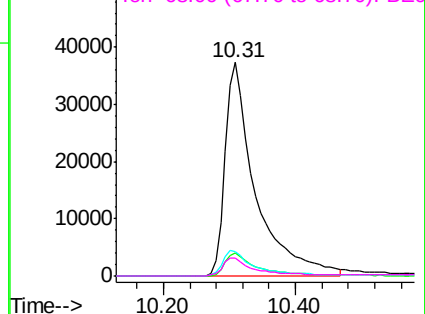
137 11.0 8.7 13.1

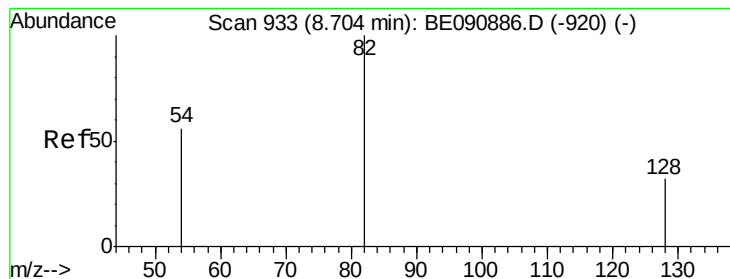
54 11.4 9.0 13.6

68 8.2 6.3 9.5



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: 3.93 na

RT: 8.71 min Scan# 935

Delta R.T. 0.01 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-S

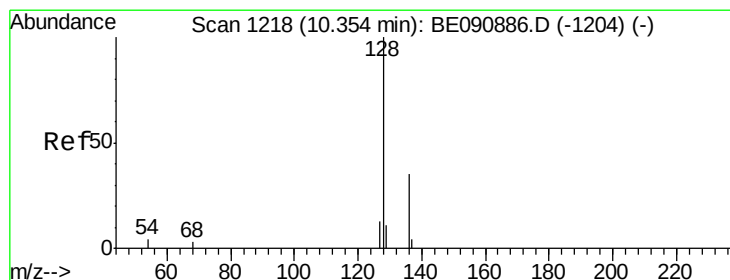
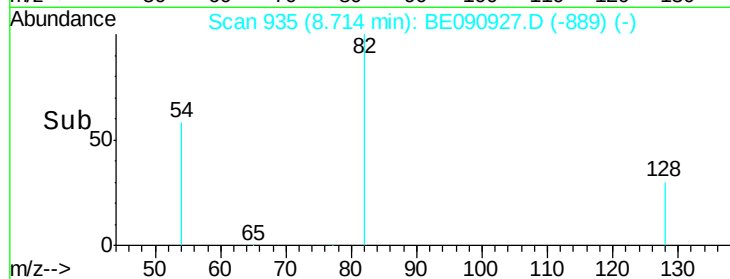
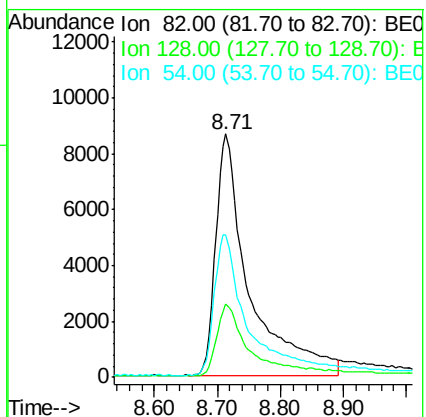
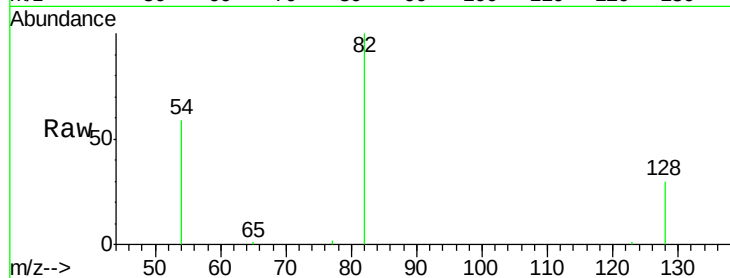
Tot Ion: 82 Resp: 31993

Ion Ratio Lower Upper

82 100

128 30.2 25.0 37.4

54 58.5 46.3 69.5



#10

Naphthalene

Concen: Below Cal

RT: 10.35 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

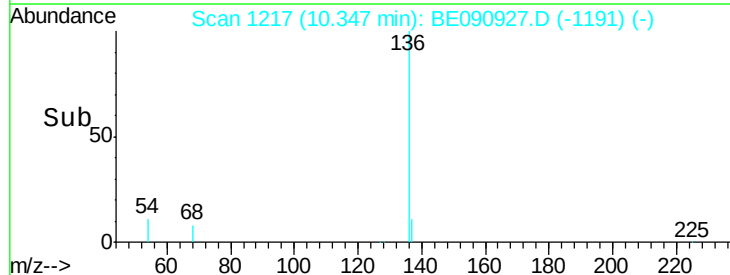
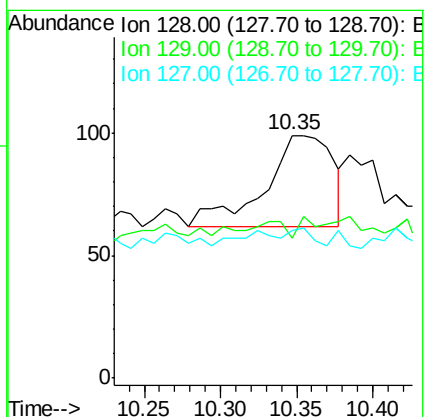
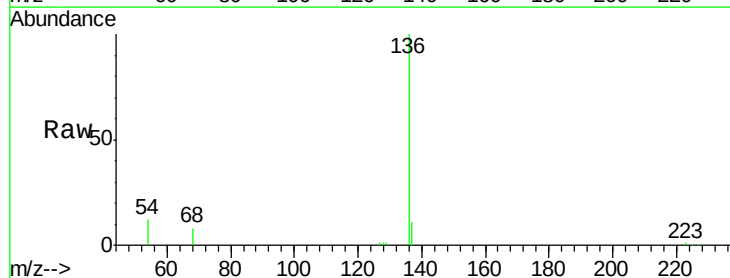
Tgt Ion: 128 Resp: 114

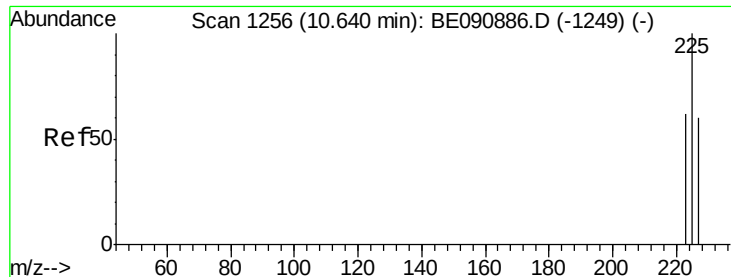
Ion Ratio Lower Upper

128 100

129 57.6 8.4 12.6#

127 60.6 9.9 14.9#





#11

Hexachlorobutadiene

Concen: Below Cal

RT: 10.63 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-S

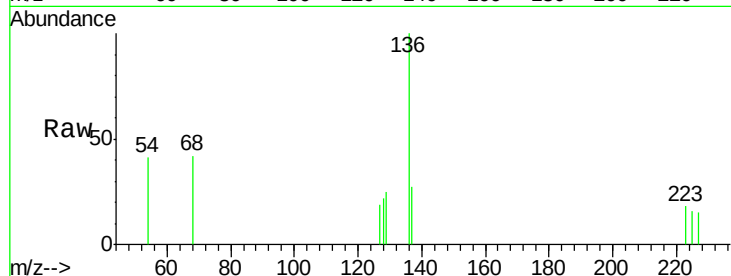
Tot Ion:225 Resp: 5

Ion Ratio Lower Upper

225 100

223 140.0 50.6 76.0#

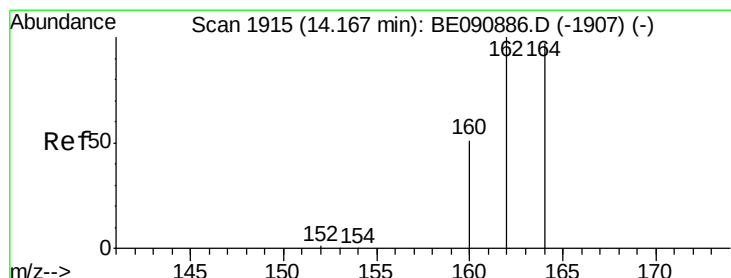
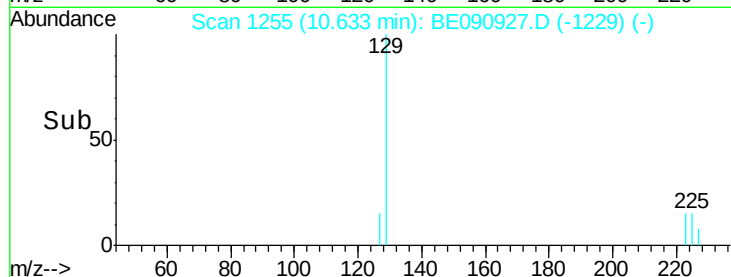
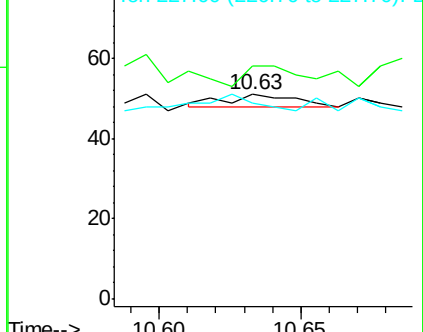
227 220.0 51.0 76.6#



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: BE090927.D

Acq: 21 Sep 2015 20:28

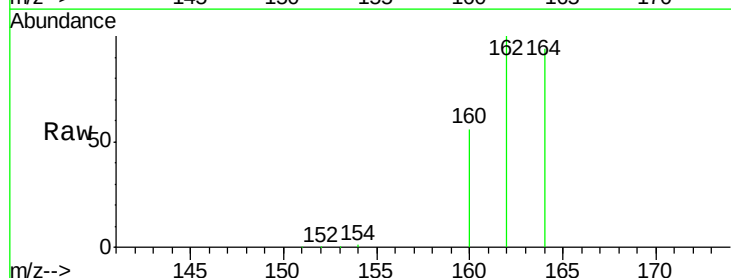
Tgt Ion:164 Resp: 64906

Ion Ratio Lower Upper

164 100

162 106.0 86.8 130.2

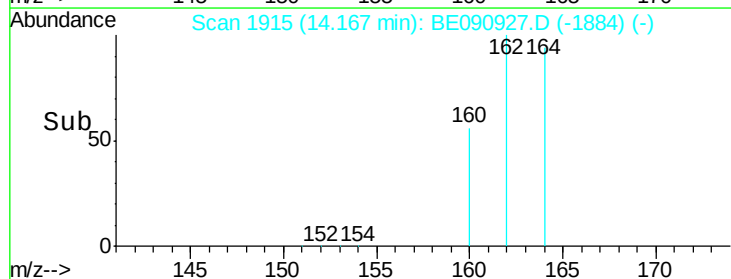
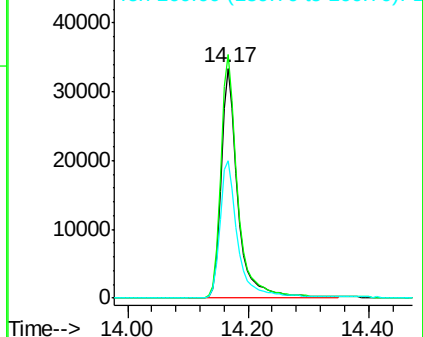
160 59.7 53.9 80.9

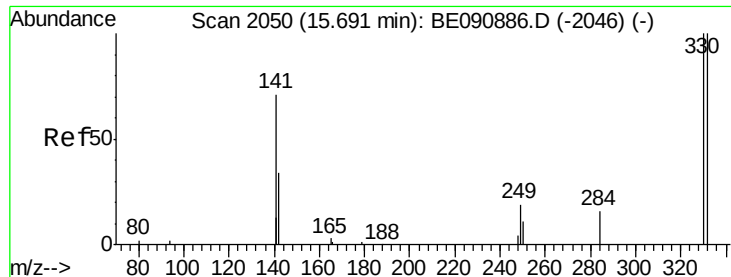


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

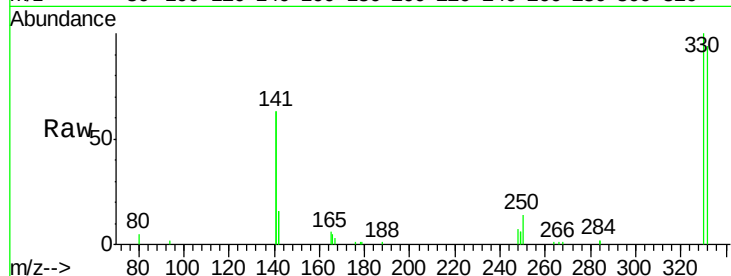




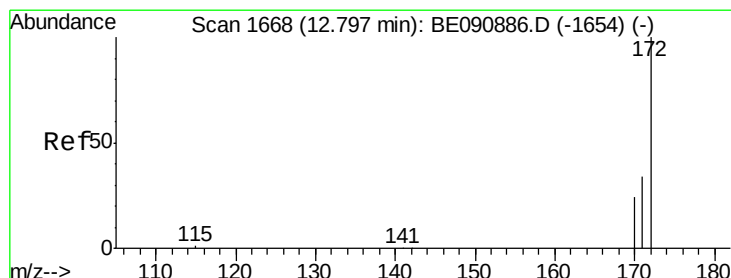
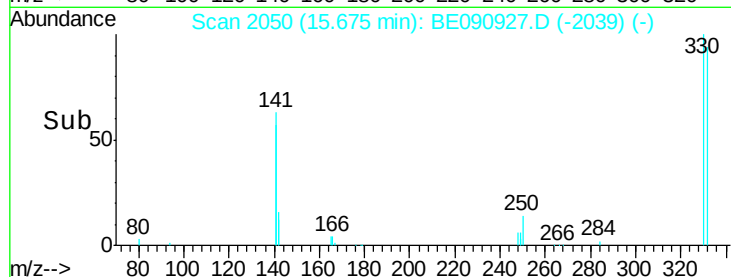
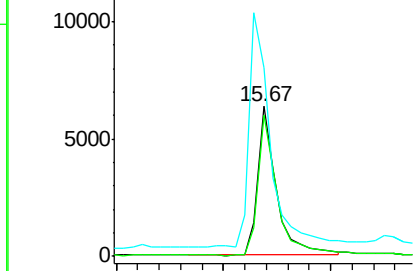
#14
 2,4,6-Tribromophenol
 Concen: 6.81 ng
 RT: 15.67 min Scan# 2050
 Delta R.T. -0.02 min
 Lab File: BE090927.D
 Acq: 21 Sep 2015 20:28

Instrument :
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 091715-D534-F-D-S

Tot Ion:330 Resp: 15591
 Ion Ratio Lower Upper
 330 100
 332 95.5 74.9 112.3
 141 176.6 145.2 217.8

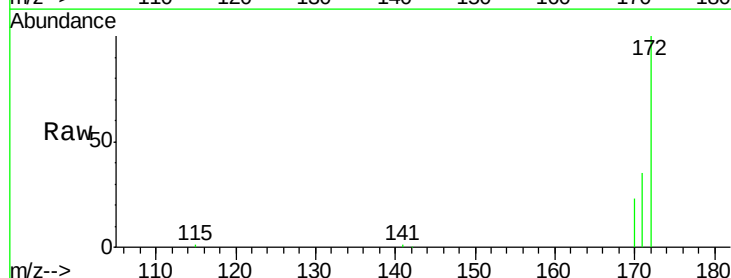


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

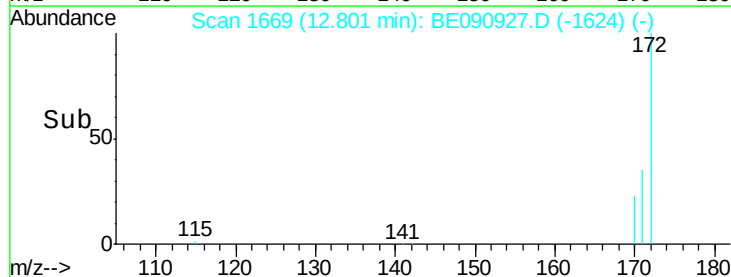
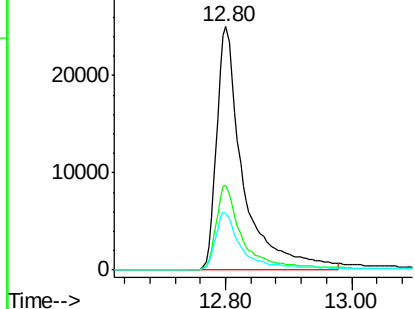


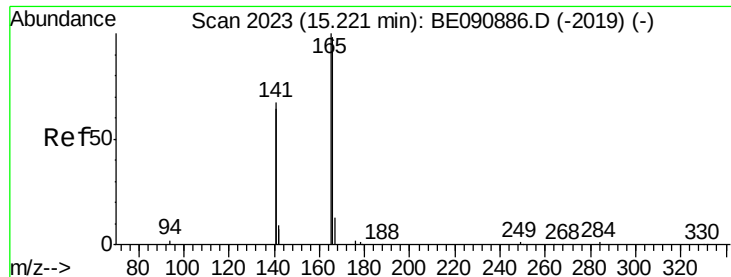
#15
 2-Fluorobiphenyl
 Concen: 3.94 ng
 RT: 12.80 min Scan# 1669
 Delta R.T. 0.00 min
 Lab File: BE090927.D
 Acq: 21 Sep 2015 20:28

Tgt Ion:172 Resp: 72445
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.8 41.8
 170 23.3 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

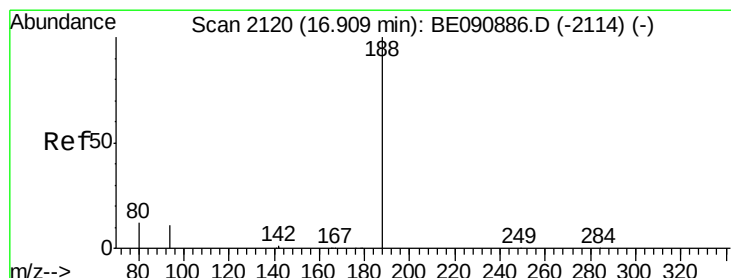
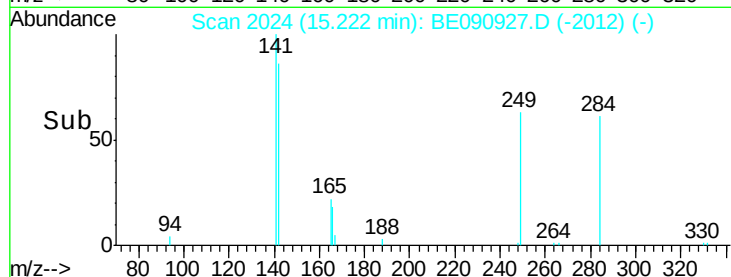
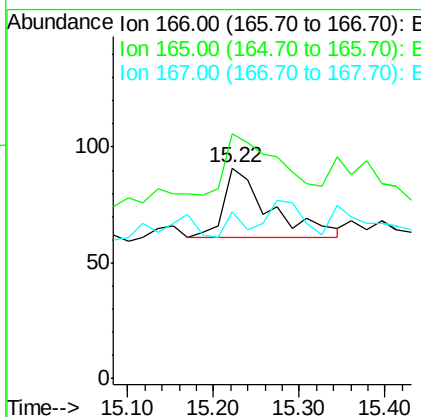
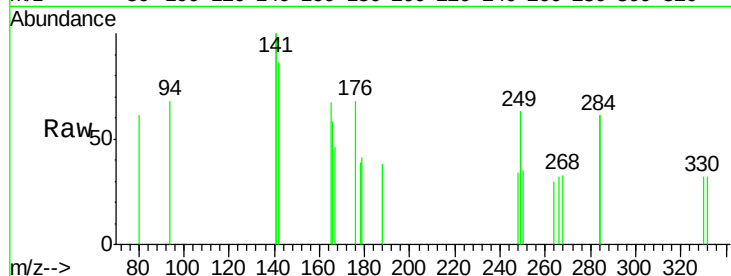




#18
 Fluorene
 Concen: Below Cal
 RT: 15.22 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BE090927.D
 Acq: 21 Sep 2015 20:28

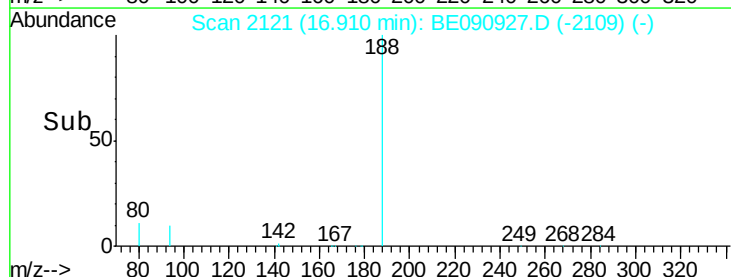
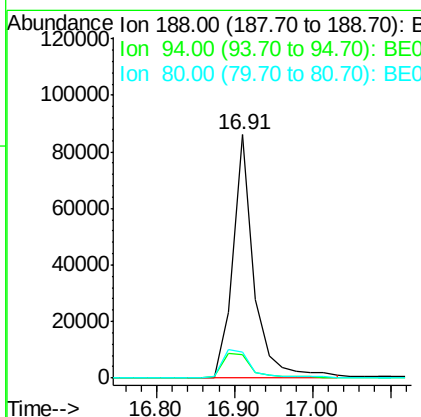
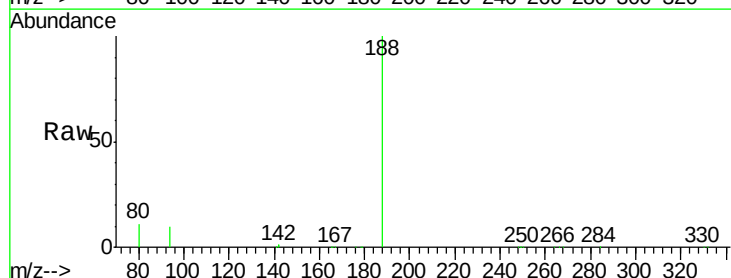
Instrument :
 BNA_E
 ClientSampleId :
 091715-D534-F-D-S

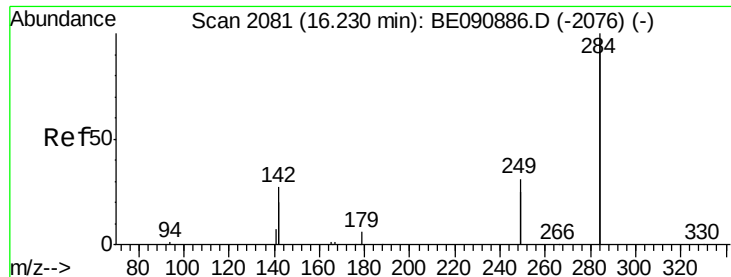
Tot Ion:166 Resp: 111
 Ion Ratio Lower Upper
 166 100
 165 108.1 82.7 124.1
 167 0.0 10.7 16.1#



#19
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.91 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE090927.D
 Acq: 21 Sep 2015 20:28

Tgt Ion:188 Resp: 162352
 Ion Ratio Lower Upper
 188 100
 94 9.8 10.3 15.5#
 80 10.8 11.0 16.6#





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-S

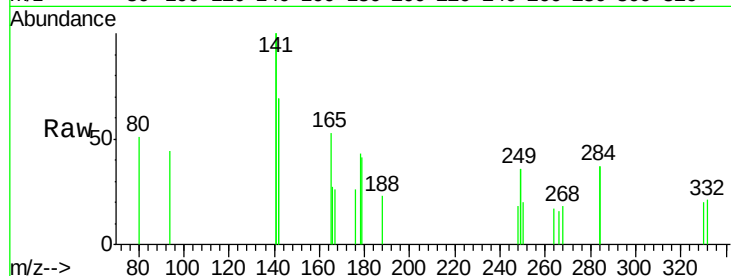
Tot Ion:284 Resp: 39

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

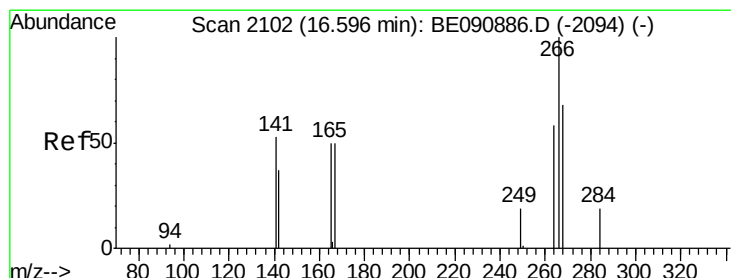
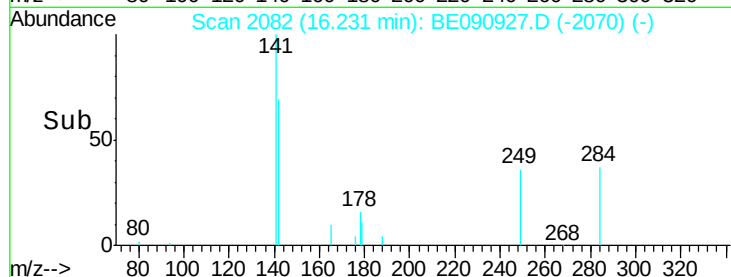
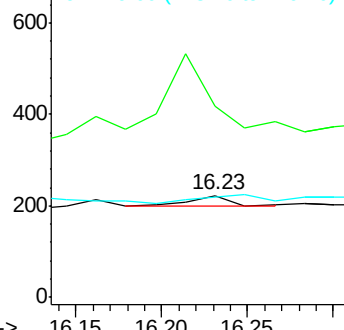
249 123.1 25.5 38.3#



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: 0.18 ng

RT: 16.65 min Scan# 2106

Delta R.T. 0.05 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

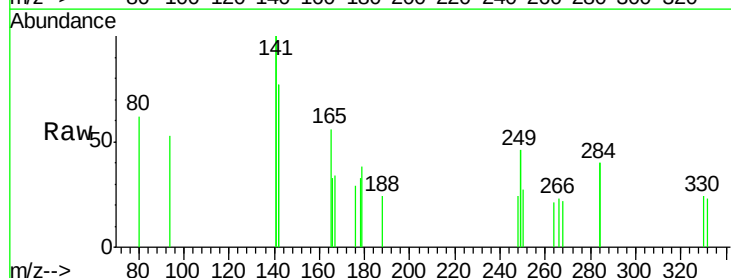
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

268 96.3 49.6 74.4#

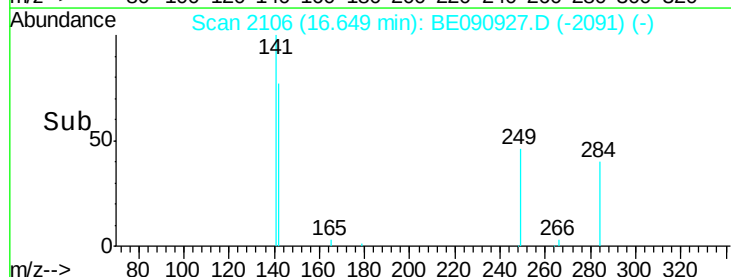
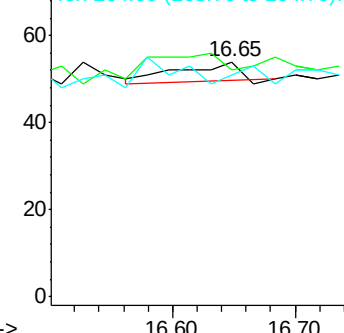
264 94.4 53.9 80.9#

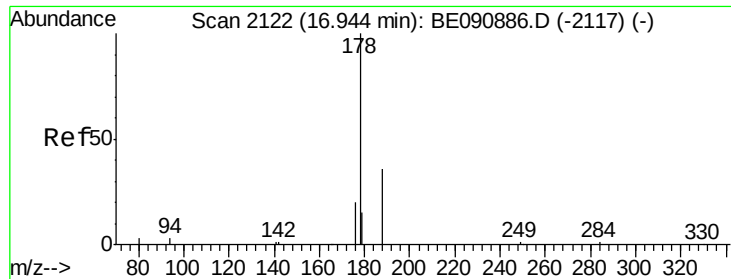


Abundance Ion 265.70 (265.40 to 266.40): E

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# 2123

Delta R.T. 0.00 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-S

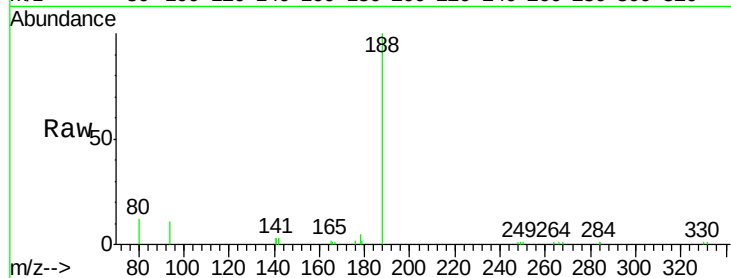
Tot Ion:178 Resp: 692

Ion Ratio Lower Upper

178 100

176 29.6 15.6 23.4#

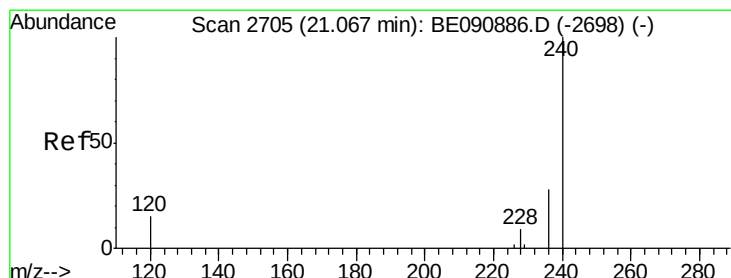
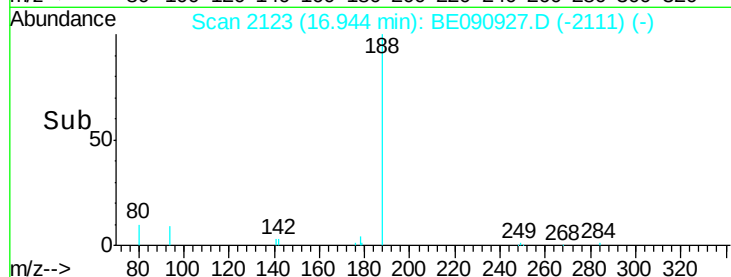
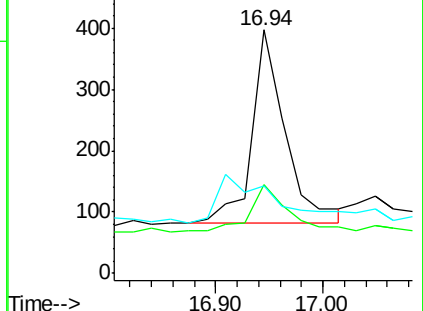
179 0.0 12.8 19.2#



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# 2706

Delta R.T. 0.00 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

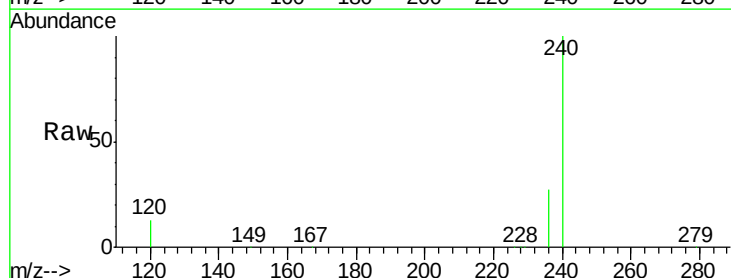
Tgt Ion:240 Resp: 207857

Ion Ratio Lower Upper

240 100

120 13.1 10.1 15.1

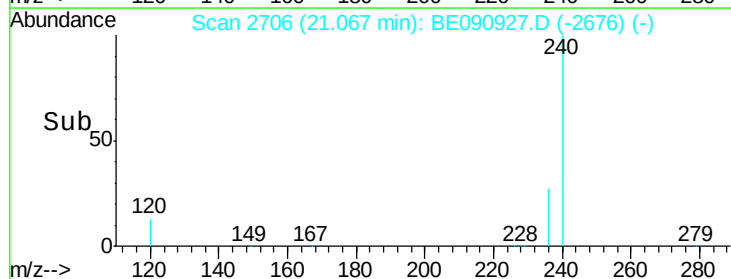
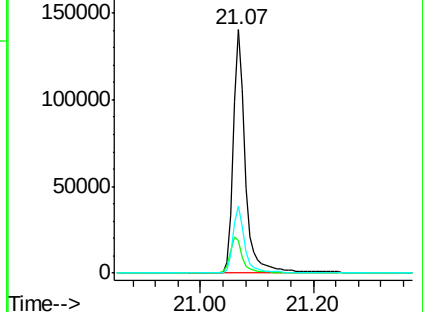
236 27.4 21.9 32.9

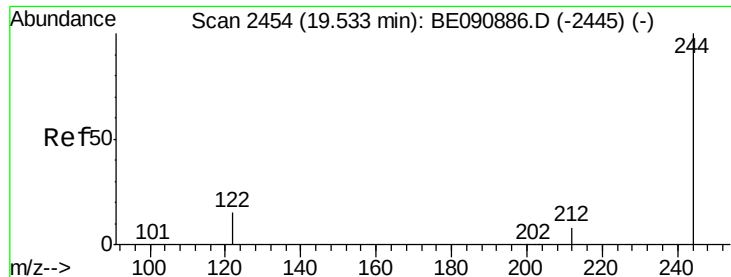


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Terphenyl-d14

Concen: 5.64 ng

RT: 19.53 min Scan# 2454

Delta R.T. -0.00 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-S

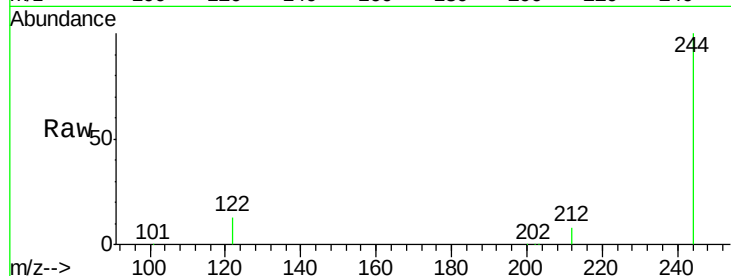
Tot Ion:244 Resp: 132266

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

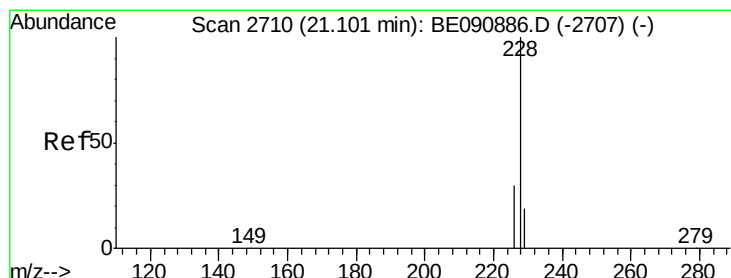
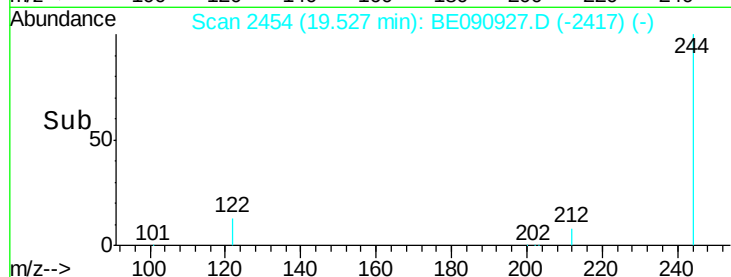
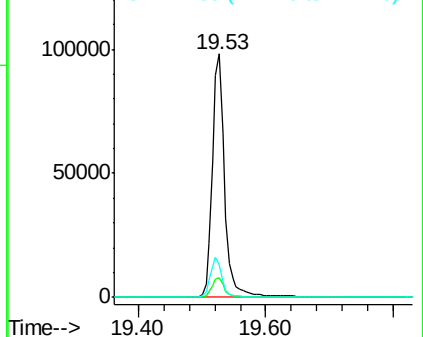
122 13.2 12.9 19.3



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# 2711

Delta R.T. 0.00 min

Lab File: BE090927.D

Acq: 21 Sep 2015 20:28

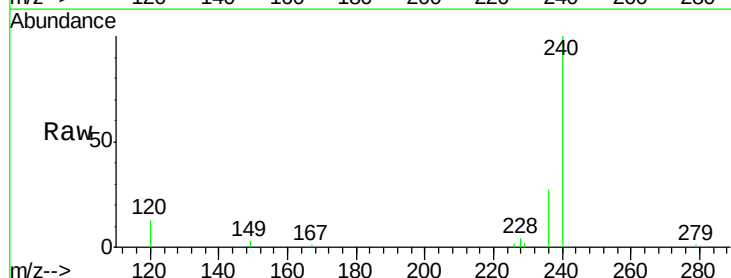
Tgt Ion:228 Resp: 413

Ion Ratio Lower Upper

228 100

226 43.8 24.2 36.4#

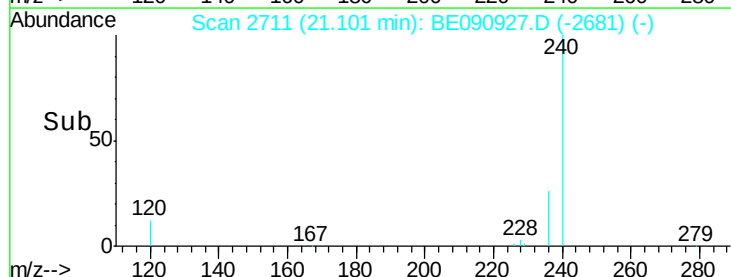
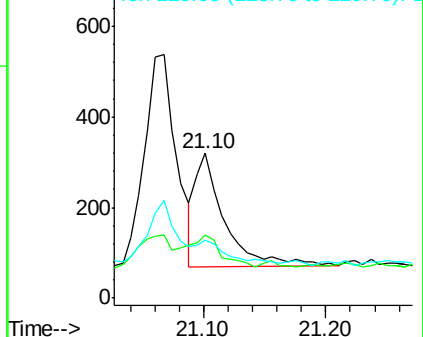
229 40.0 15.3 22.9#

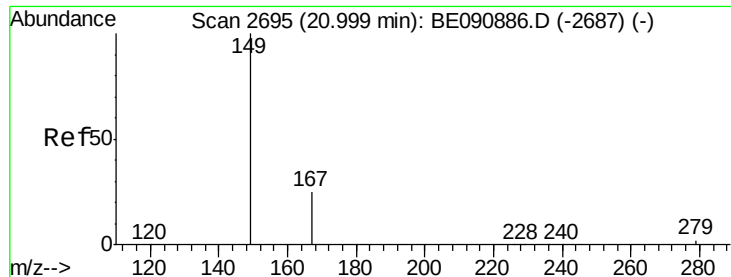


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

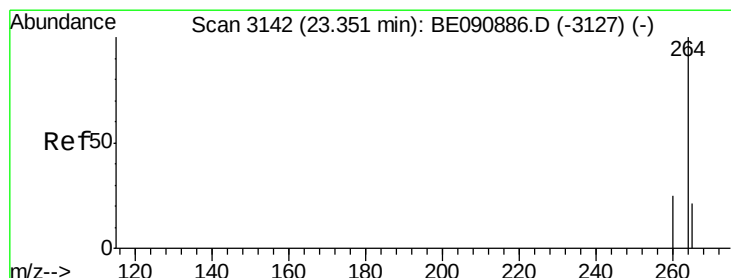
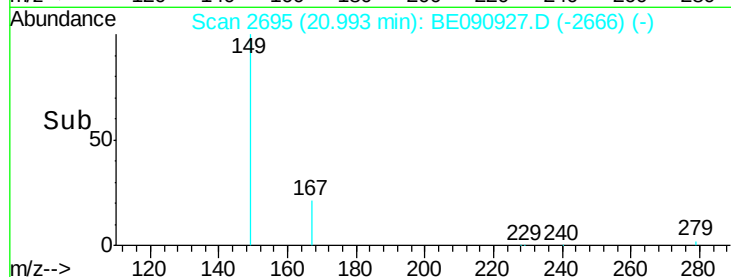
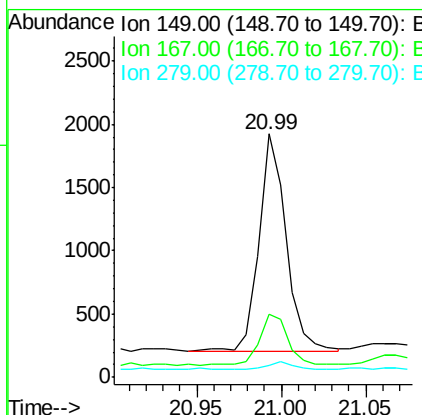
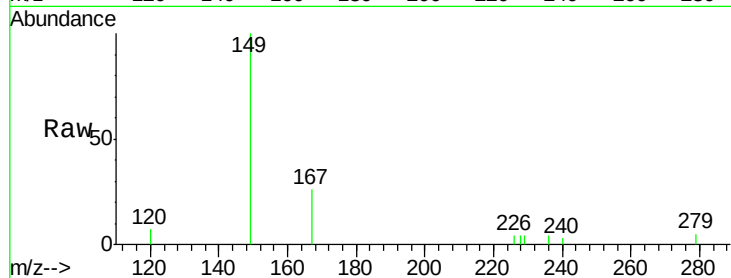




#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.25 ng
 RT: 20.99 min Scan# 2695
 Delta R.T. -0.01 min
 Lab File: BE090927.D
 Acq: 21 Sep 2015 20:28

Instrument :
 BNA_E
 ClientSampleId :
 091715-D534-F-D-S

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.1	20.1	30.1
279	3.6	2.3	3.5#



#33
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3143
 Delta R.T. 0.00 min
 Lab File: BE090927.D
 Acq: 21 Sep 2015 20:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.0	17.5	26.3

