

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091515\
 Data File : BE090830.D
 Acq On : 15 Sep 2015 13:24
 Operator : UM/IZ
 Sample : G3657-02RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-S

Quant Time: Sep 15 14:17:16 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	26450	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	114321	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	60277	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	163254	5.00	ng	0.00
25) Chrysene-d12	21.07	240	216228	5.00	ng	0.00
32) Perylene-d12	23.35	264	200866	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	15304	2.98	ng	0.00
5) Phenol-d6	6.76	99	11362	1.54	ng	0.00
7) Nitrobenzene-d5	8.72	82	30062	3.98	ng	0.00
13) 2,4,6-Tribromophenol	15.68	330	12580	7.13	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	70831	4.24	ng	0.00
27) Terphenyl-d14	19.53	244	146024	6.10	ng	-0.01

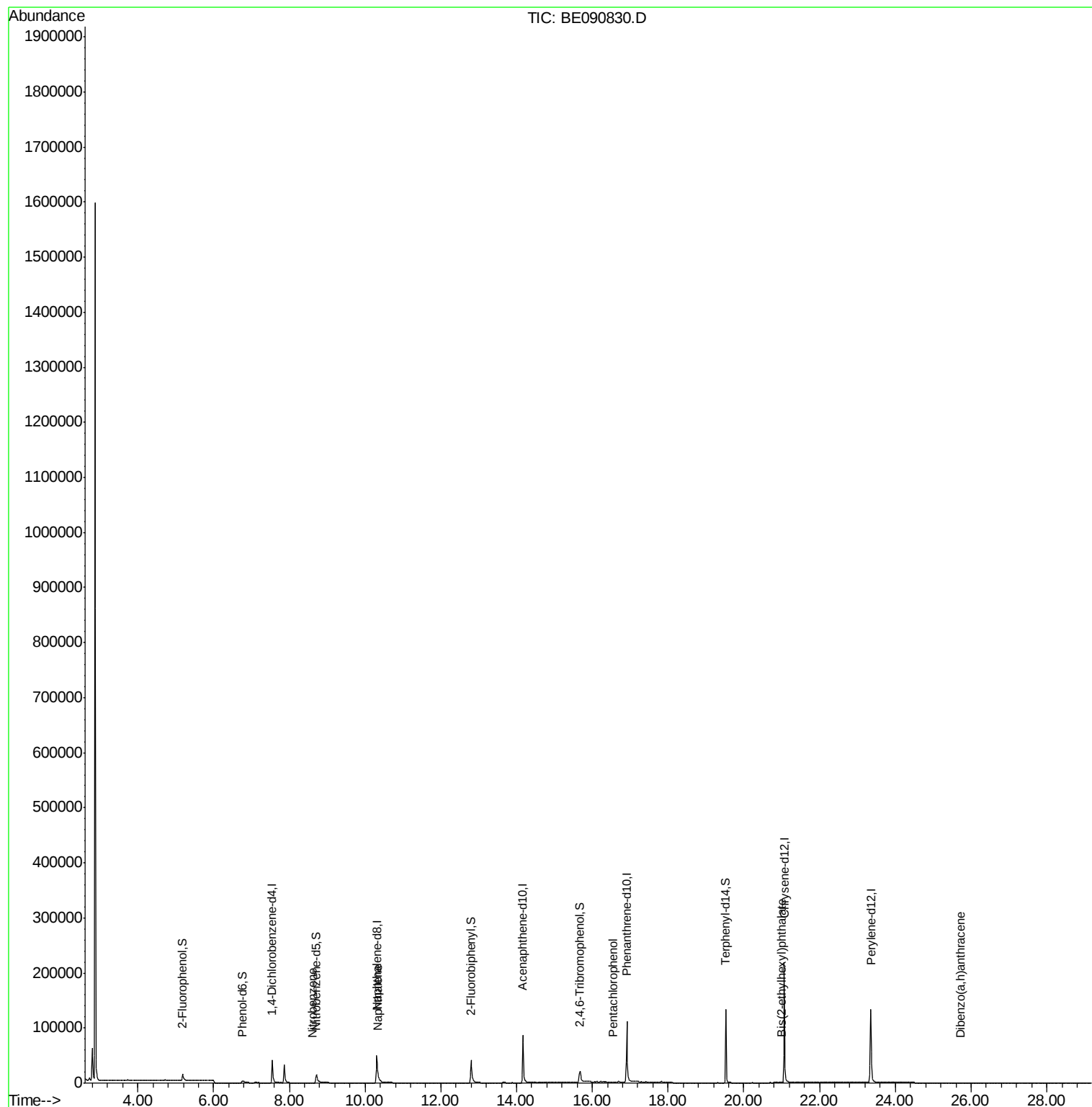
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	71	Below Cal	#	1
3) n-Nitrosodimethylamine	3.45	42	28	Below Cal	#	1
8) Nitrobenzene	8.60	77	33	0.11	ng	97
9) Naphthalene	10.35	128	610	0.02	ng	# 47
20) Hexachlorobenzene	16.21	284	25	Below Cal	#	15
21) Pentachlorophenol	16.54	266	19	0.47	ng	# 61
29) Chrysene	21.07	228	847	Below Cal	#	75
30) Bis(2-ethylhexyl)phthalate	21.00	149	1517	0.19	ng	# 93
36) Dibenzo(a,h)anthracene	25.72	278	11	0.14	ng	# 1

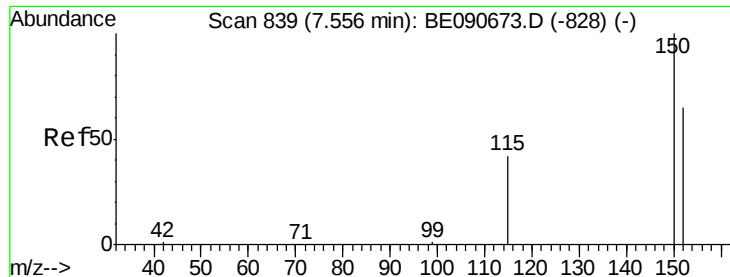
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091515\
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
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QLast Update : Wed Sep 02 11:40:50 2015
Response via : Initial Calibration

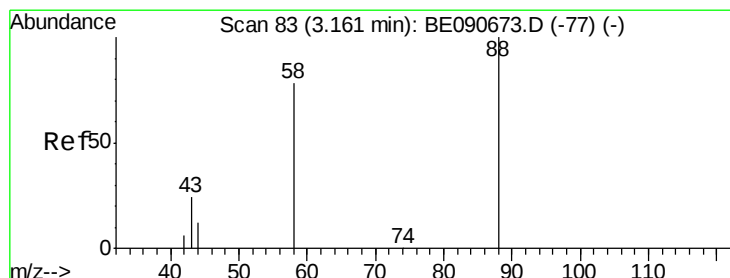
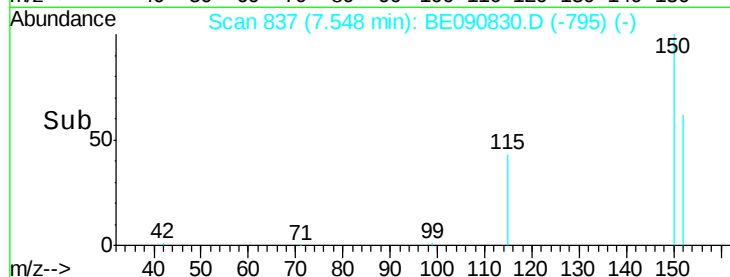
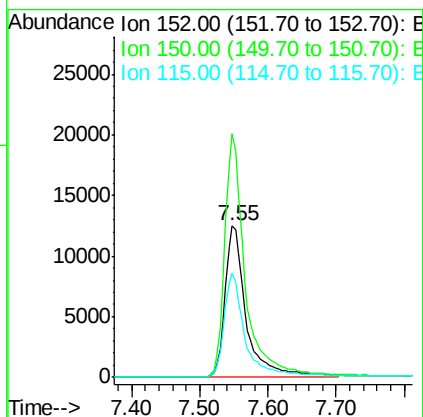
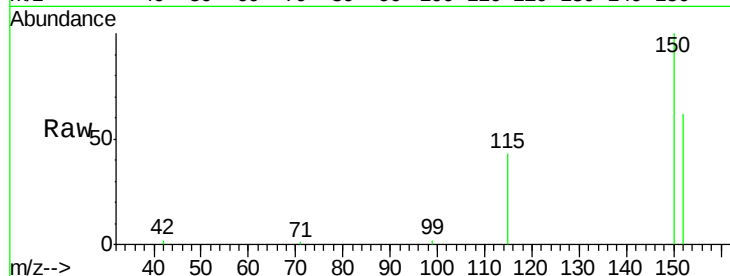




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.55 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BE090830.D
 Acq: 15 Sep 2015 13:24

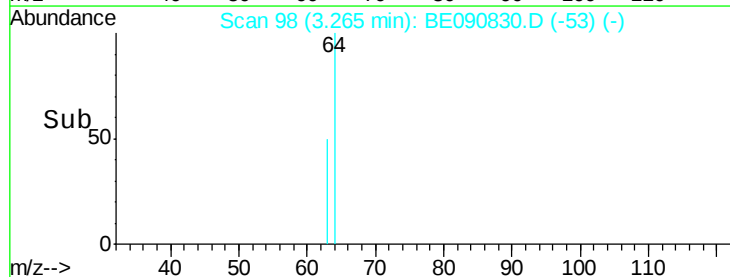
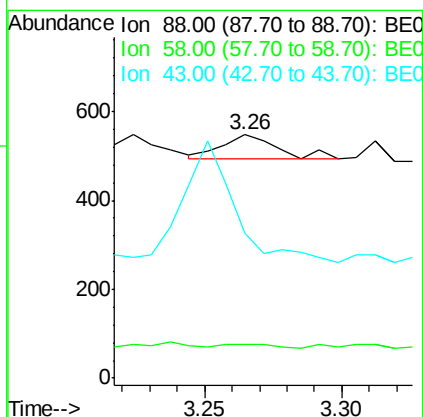
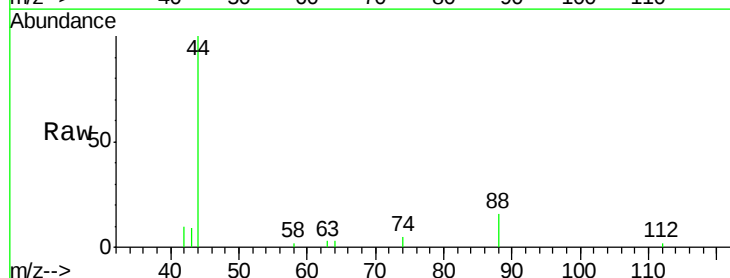
Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-S

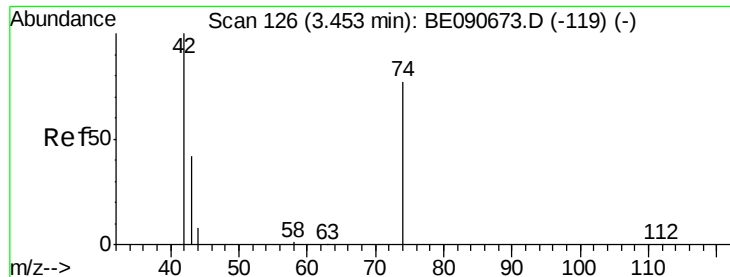
Tgt Ion:152 Resp: 26450
 Ion Ratio Lower Upper
 152 100
 150 160.5 122.2 183.4
 115 68.9 51.0 76.4



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.26 min Scan# 98
 Delta R.T. 0.10 min
 Lab File: BE090830.D
 Acq: 15 Sep 2015 13:24

Tgt Ion: 88 Resp: 71
 Ion Ratio Lower Upper
 88 100
 58 15.5 68.4 102.6#
 43 497.2 26.9 40.3#



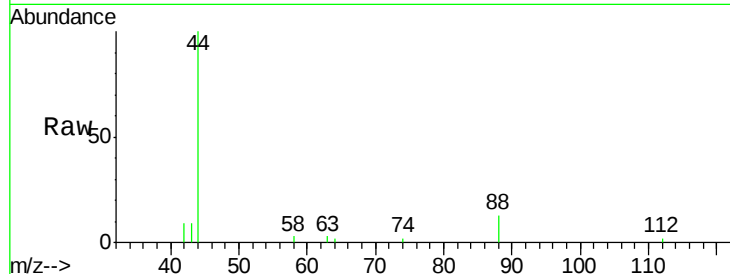


#3

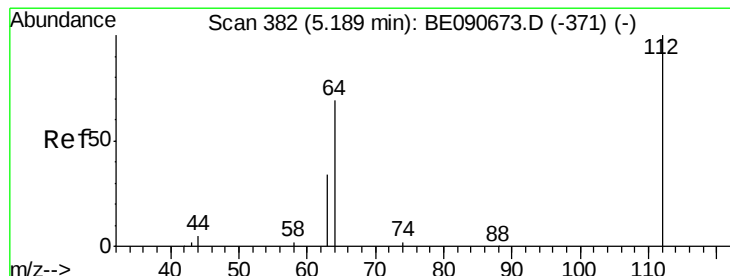
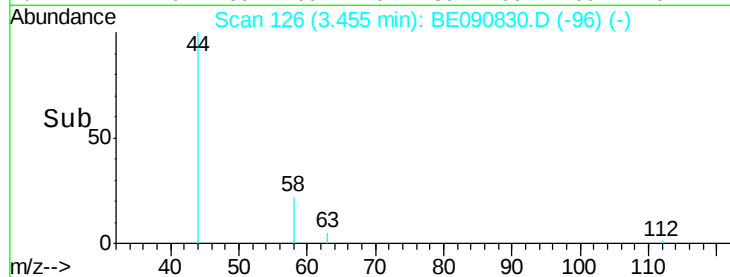
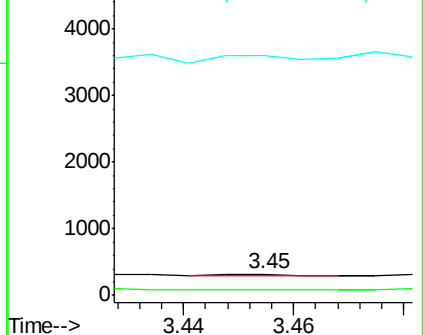
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090830.D
 Acq: 15 Sep 2015 13:24

Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-S

Tgt Ion: 42 Resp: 28
 Ion Ratio Lower Upper
 42 100
 74 25.0 83.7 125.5#
 44 389.3 10.0 15.0#



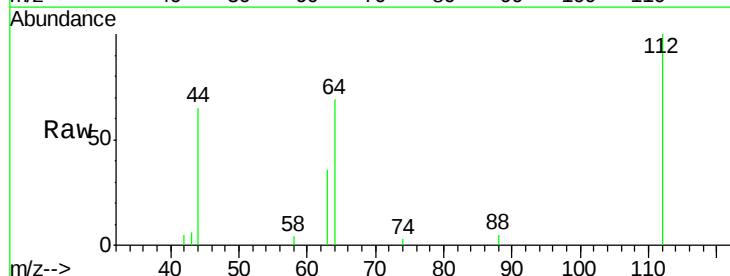
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



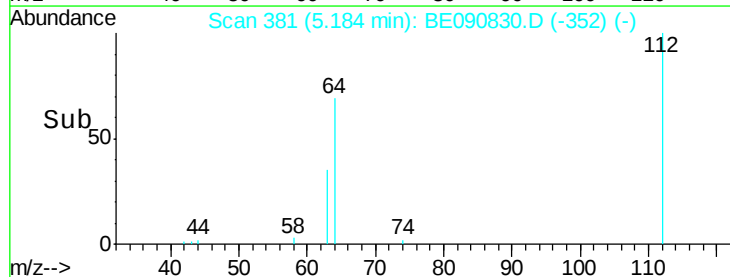
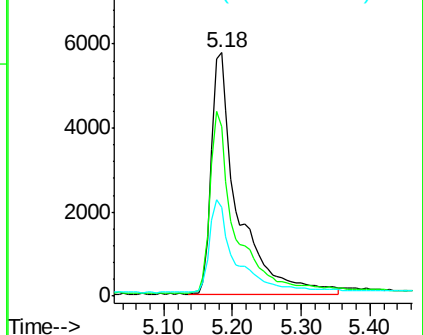
#4

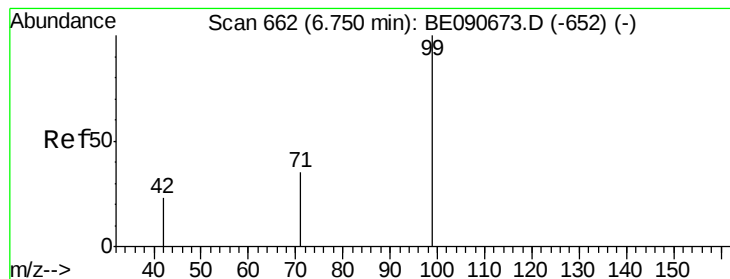
2-Fluorophenol
 Concen: 2.98 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090830.D
 Acq: 15 Sep 2015 13:24

Tgt Ion: 112 Resp: 15304
 Ion Ratio Lower Upper
 112 100
 64 72.3 57.3 85.9
 63 38.3 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: 1.54 ng

RT: 6.76 min Scan# 663

Delta R.T. 0.00 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S

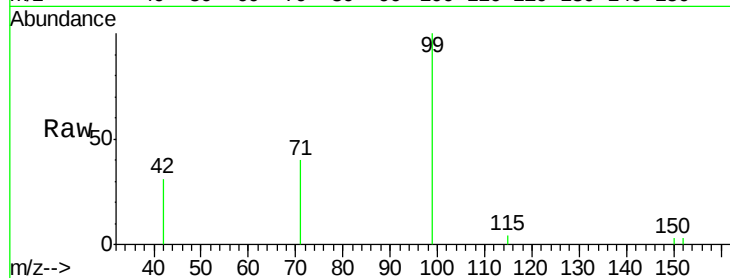
Tgt Ion: 99 Resp: 11362

Ion Ratio Lower Upper

99 100

42 20.2 16.8 25.2

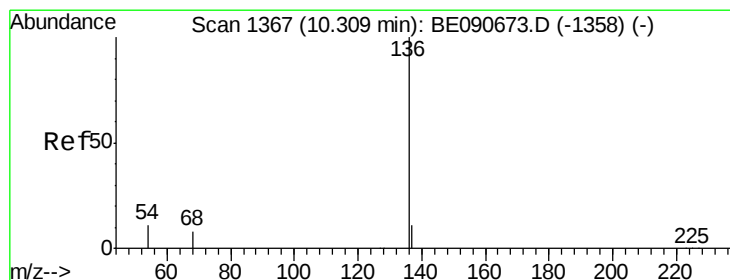
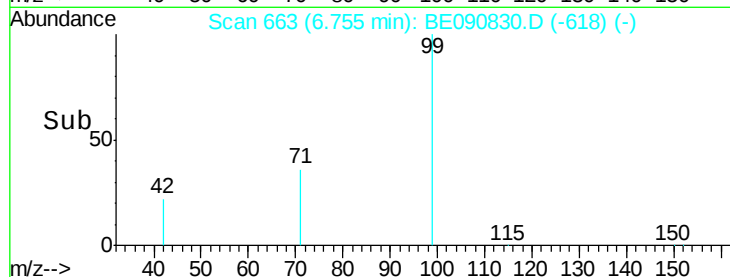
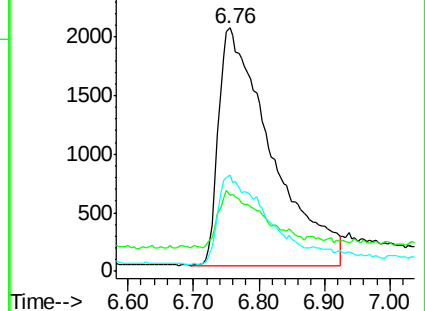
71 34.2 28.3 42.5



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



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

Tgt Ion: 136 Resp: 114321

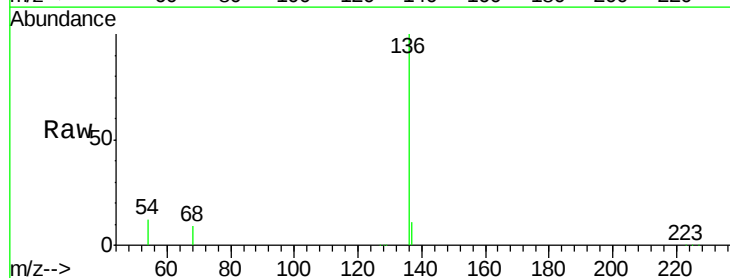
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 12.5 9.0 13.6

68 8.6 6.3 9.5

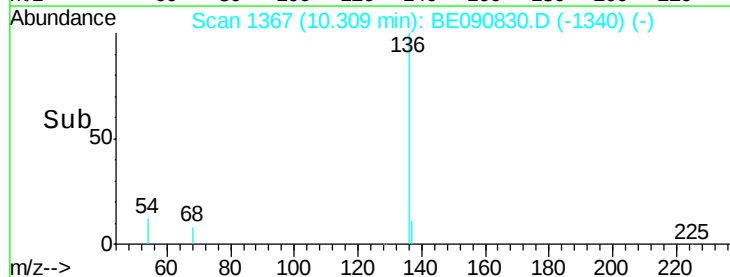
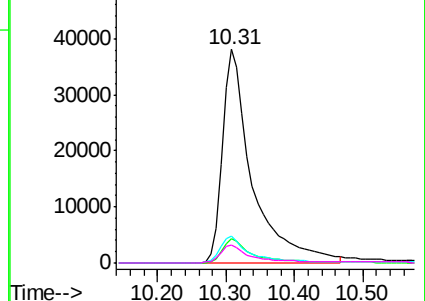


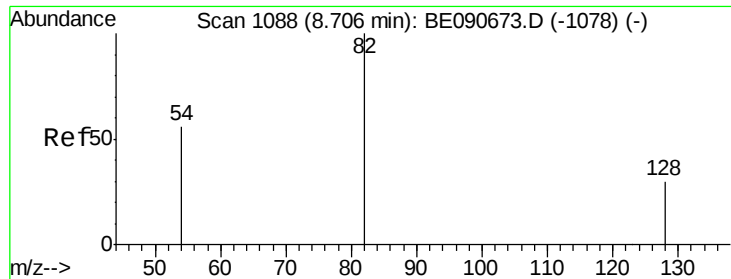
Abundance Ion 136.00 (135.70 to 136.70): E

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





#7

Nitrobenzene-d5

Concen: 3.98 ng

RT: 8.72 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S

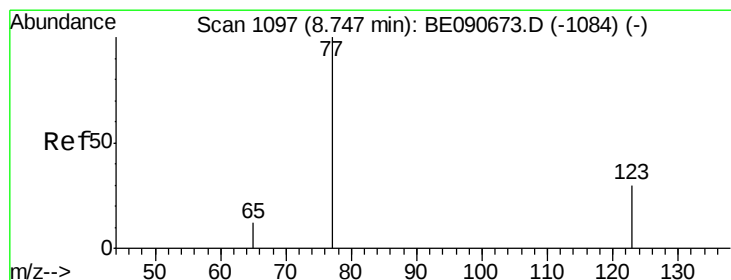
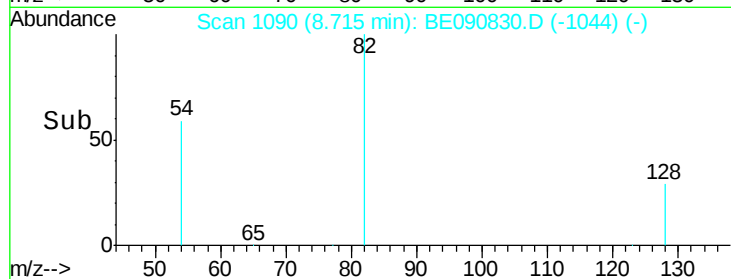
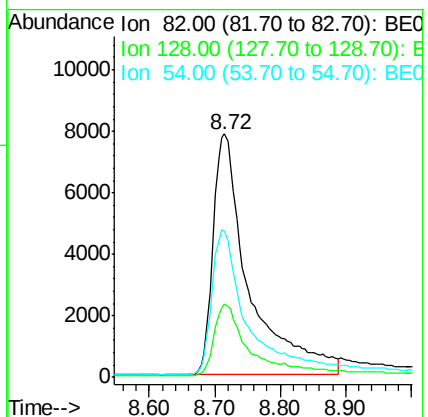
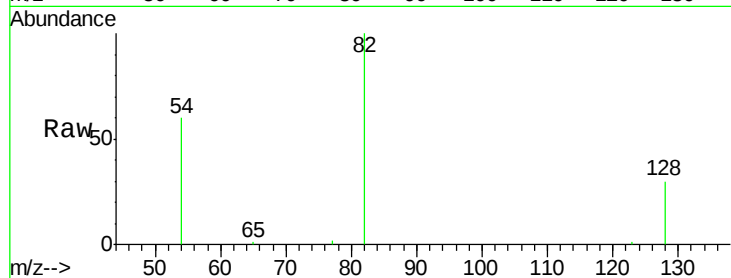
Tgt Ion: 82 Resp: 30062

Ion Ratio Lower Upper

82 100

128 30.0 25.0 37.4

54 59.9 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.60 min Scan# 1064

Delta R.T. -0.15 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

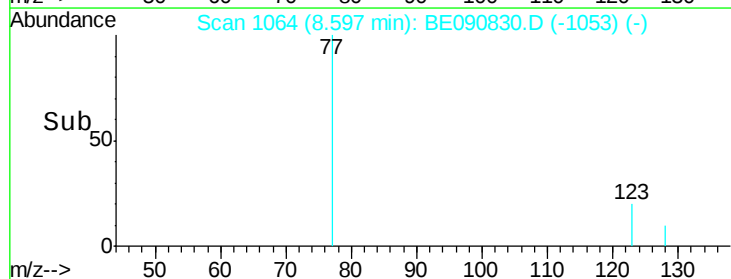
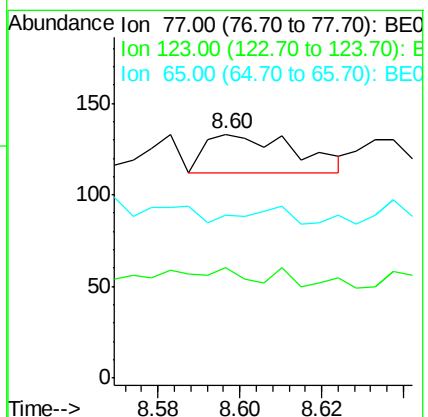
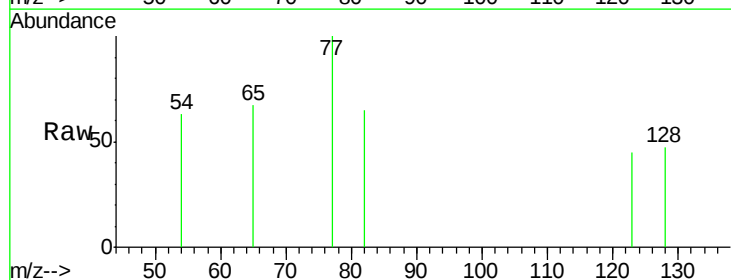
Tgt Ion: 77 Resp: 33

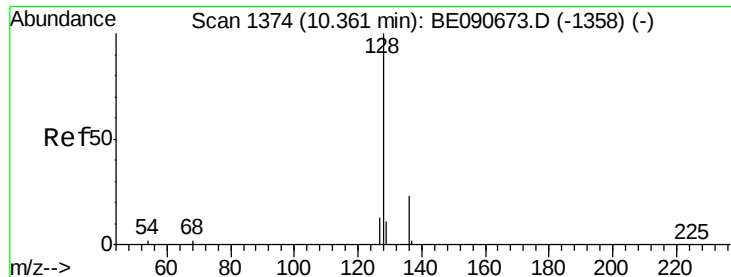
Ion Ratio Lower Upper

77 100

123 33.3 25.1 37.7

65 12.1 9.9 14.9





#9

Naphthalene

Concen: 0.02 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S

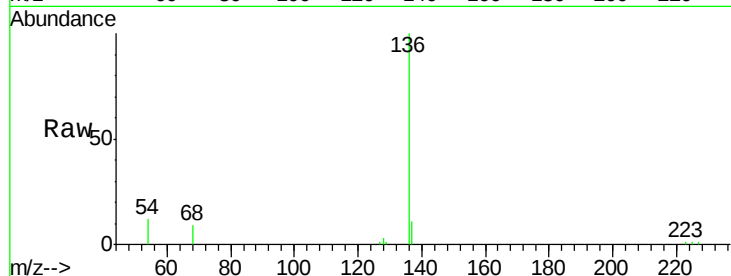
Tgt Ion:128 Resp: 610

Ion Ratio Lower Upper

128 100

129 34.1 9.0 13.6#

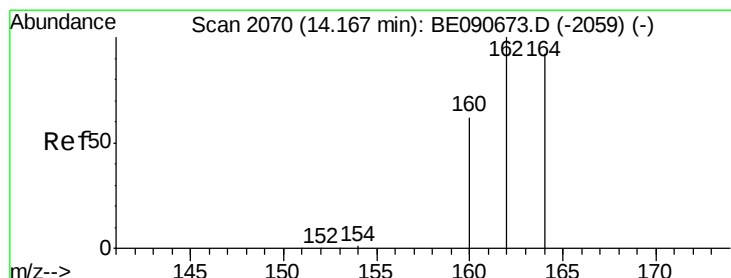
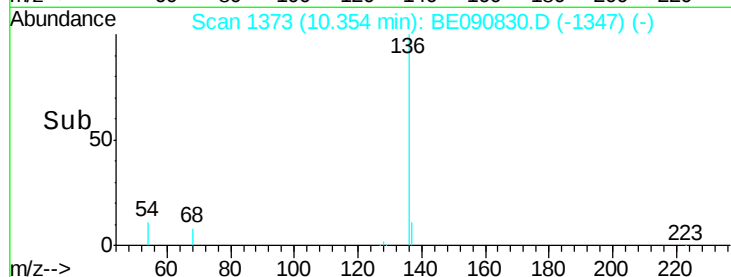
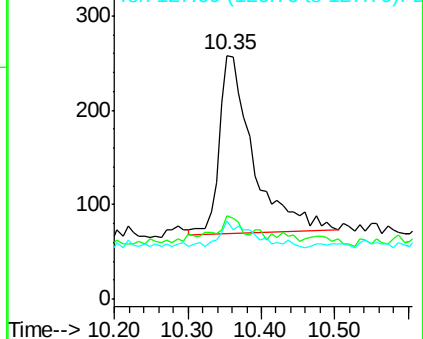
127 32.2 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

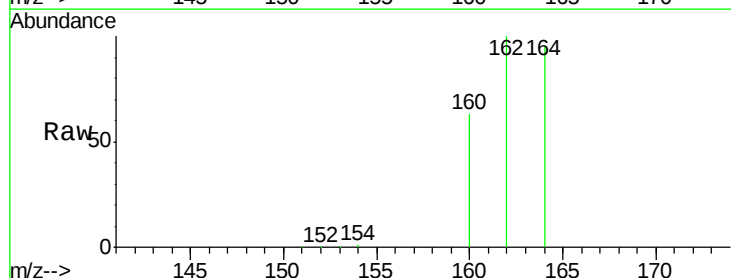
Tgt Ion:164 Resp: 60277

Ion Ratio Lower Upper

164 100

162 105.5 86.8 130.2

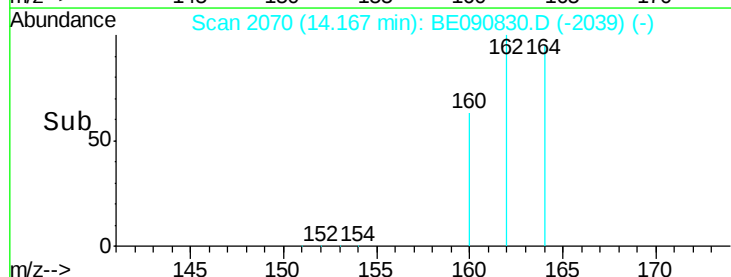
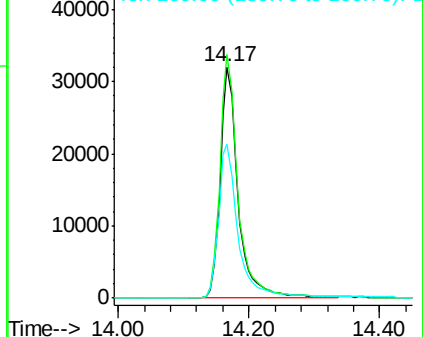
160 66.6 53.9 80.9

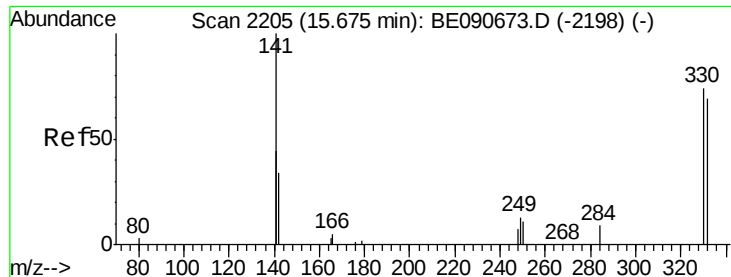


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

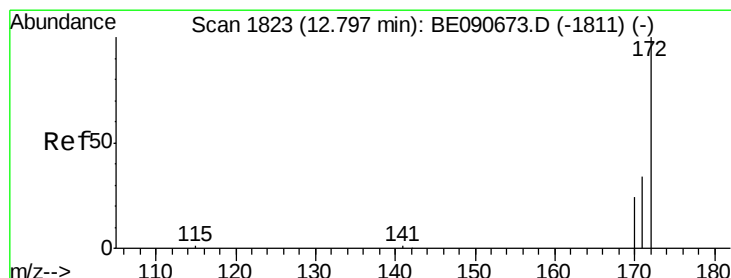
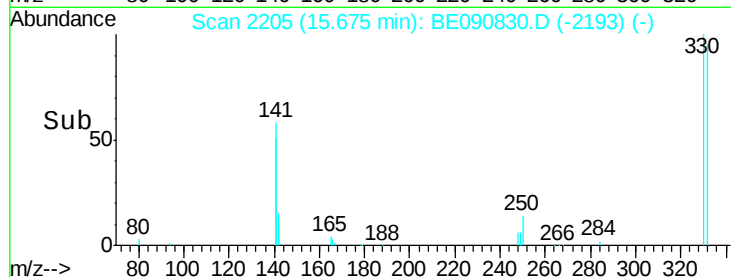
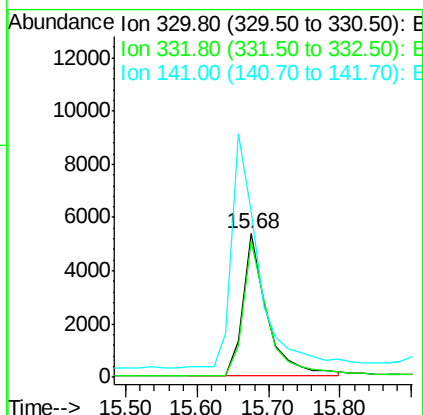
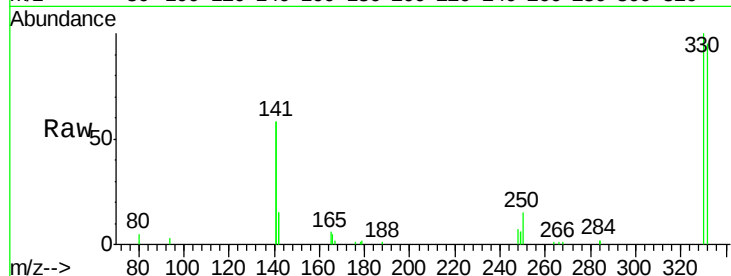




#13
 2,4,6-Tribromophenol
 Concen: 7.13 ng
 RT: 15.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BE090830.D
 Acq: 15 Sep 2015 13:24

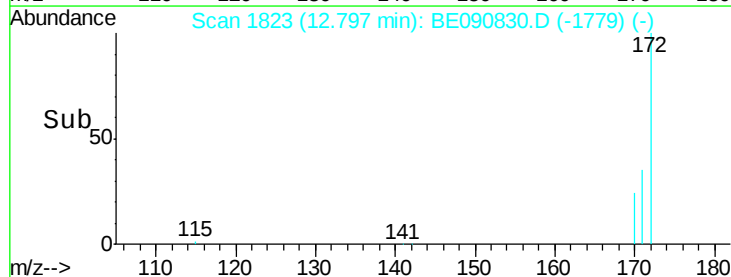
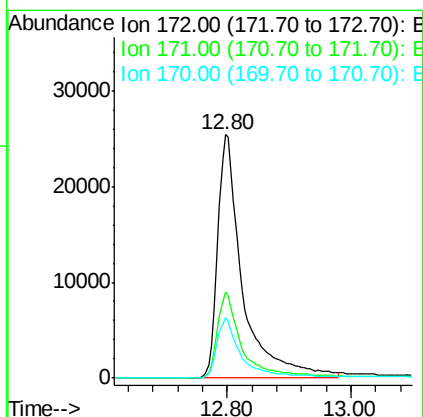
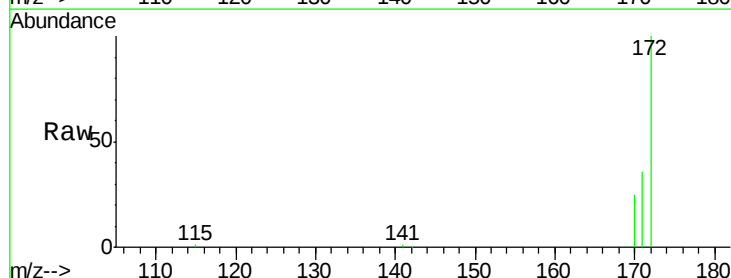
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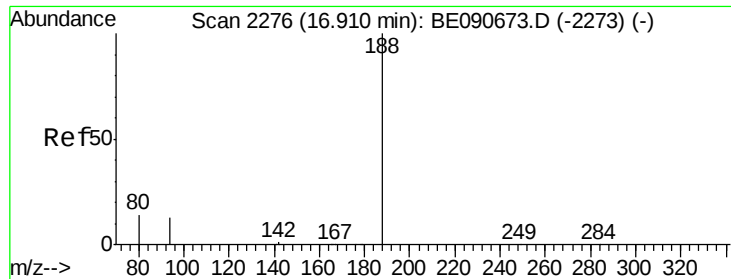
Tgt Ion:330 Resp: 12580
 Ion Ratio Lower Upper
 330 100
 332 96.9 74.9 112.3
 141 177.9 145.2 217.8



#14
 2-Fluorobiphenyl
 Concen: 4.24 ng
 RT: 12.80 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BE090830.D
 Acq: 15 Sep 2015 13:24

Tgt Ion:172 Resp: 70831
 Ion Ratio Lower Upper
 172 100
 171 35.6 27.8 41.8
 170 24.7 19.8 29.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S

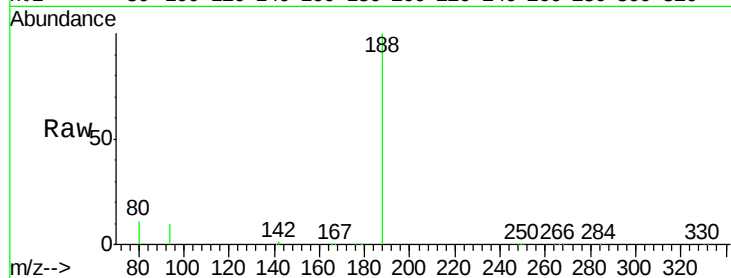
Tgt Ion:188 Resp: 163254

Ion Ratio Lower Upper

188 100

94 9.6 10.3 15.5#

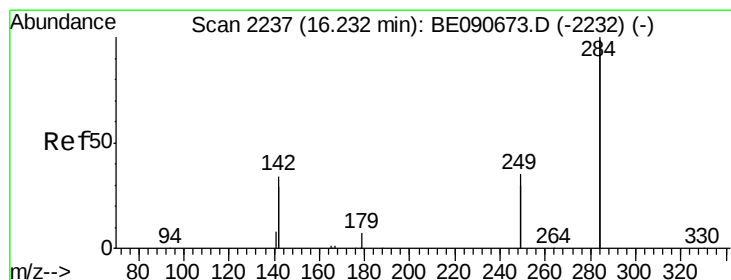
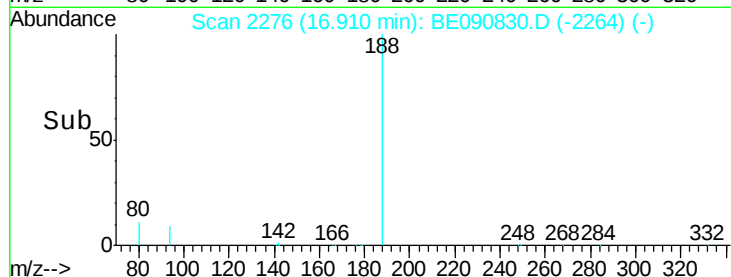
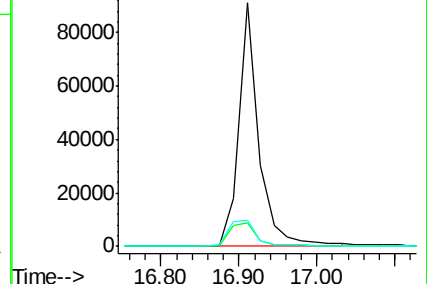
80 10.9 11.0 16.6#



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



#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.21 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

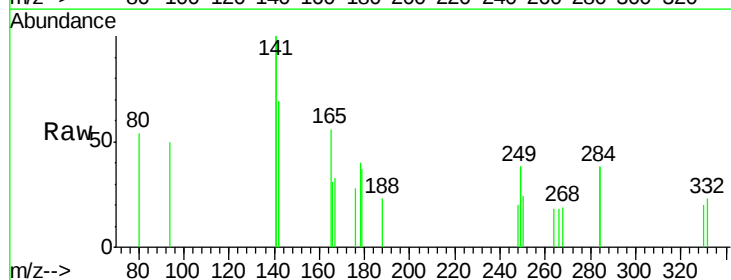
Tgt Ion:284 Resp: 25

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

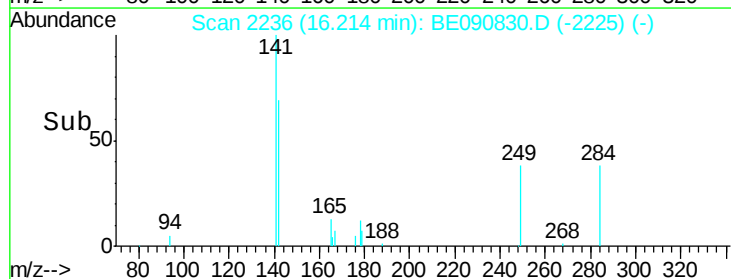
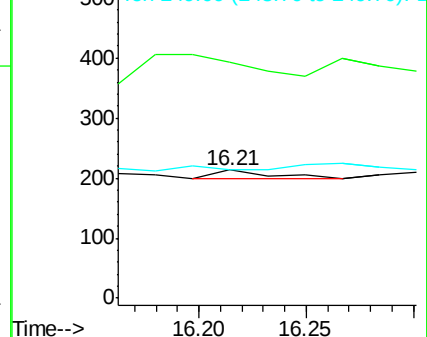
249 92.0 25.5 38.3#

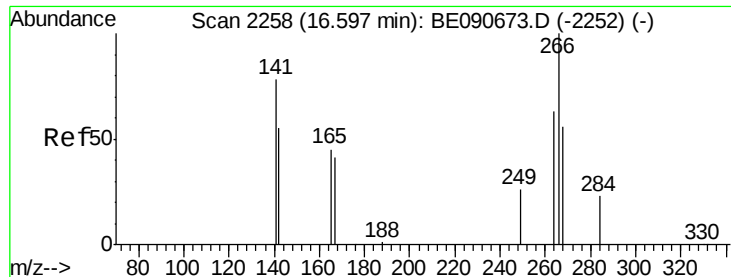


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 0.47 ng

RT: 16.54 min Scan# 2255

Delta R.T. -0.05 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S

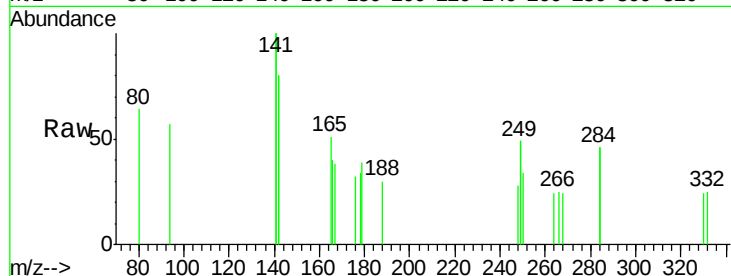
Tgt Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

268 96.4 49.6 74.4#

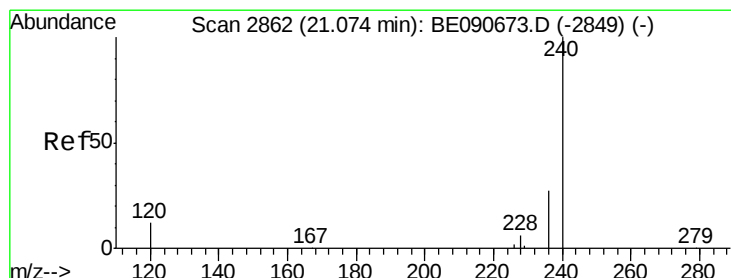
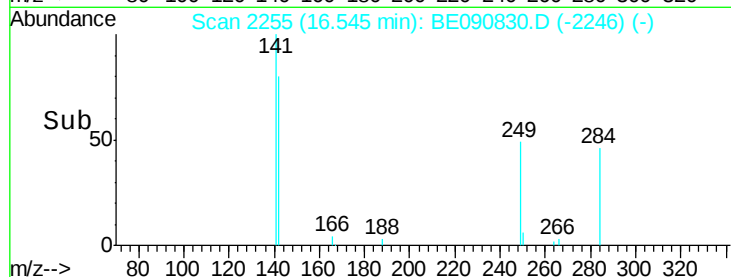
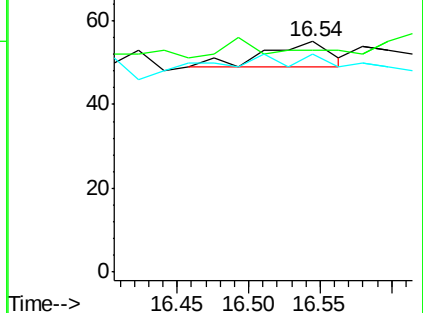
264 94.5 53.9 80.9#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

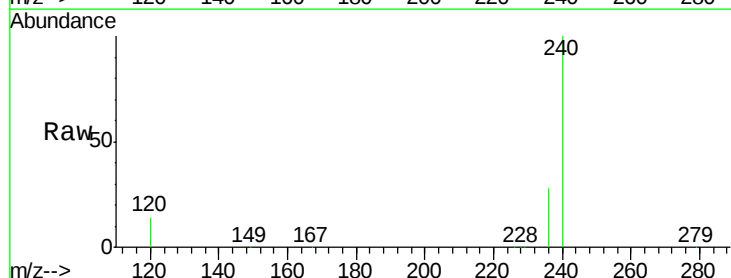
Tgt Ion:240 Resp: 216228

Ion Ratio Lower Upper

240 100

120 14.5 10.1 15.1

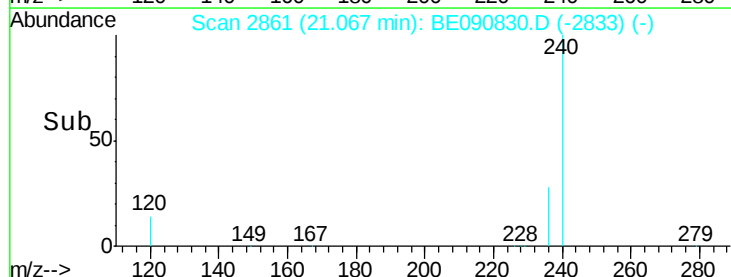
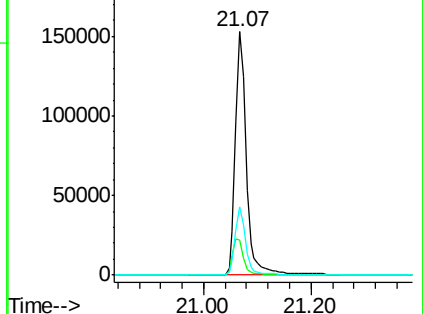
236 27.9 21.9 32.9

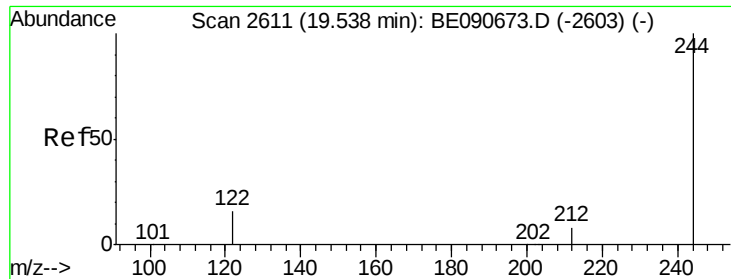


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 6.10 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S

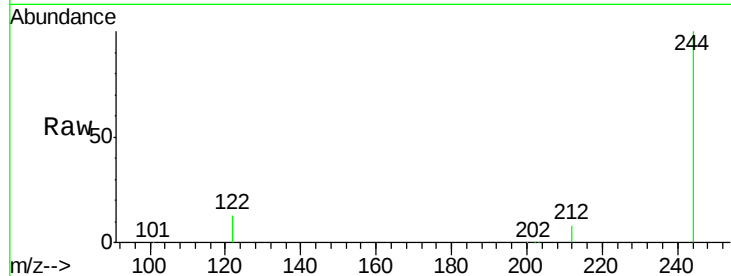
Tgt Ion:244 Resp: 146024

Ion Ratio Lower Upper

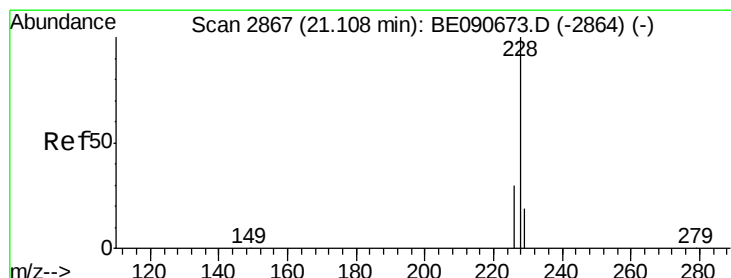
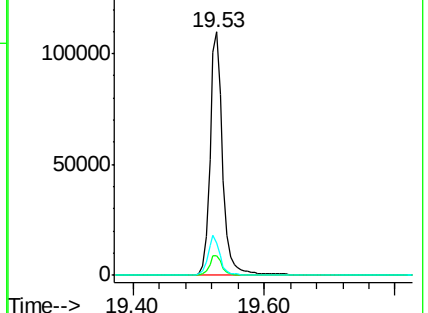
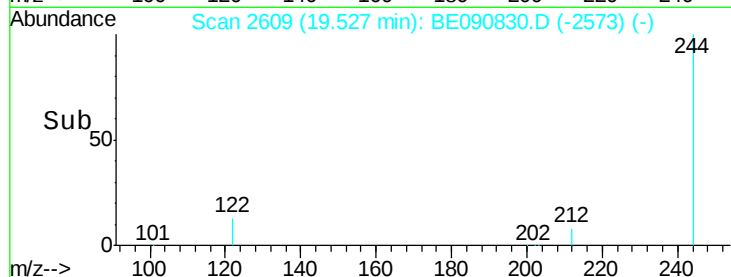
244 100

212 8.1 6.9 10.3

122 13.2 12.9 19.3



Abundance Ion 244.00 (243.70 to 244.70): E
150000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#29

Chrysene

Concen: Below Cal

RT: 21.07 min Scan# 2861

Delta R.T. -0.04 min

Lab File: BE090830.D

Acq: 15 Sep 2015 13:24

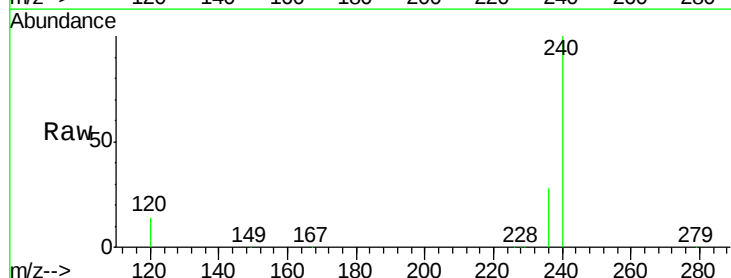
Tgt Ion:228 Resp: 847

Ion Ratio Lower Upper

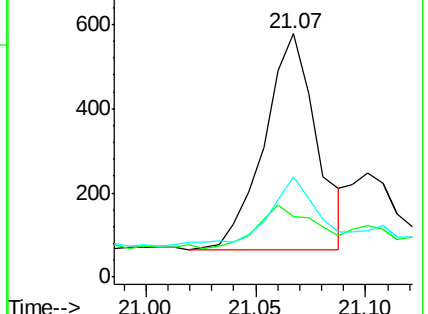
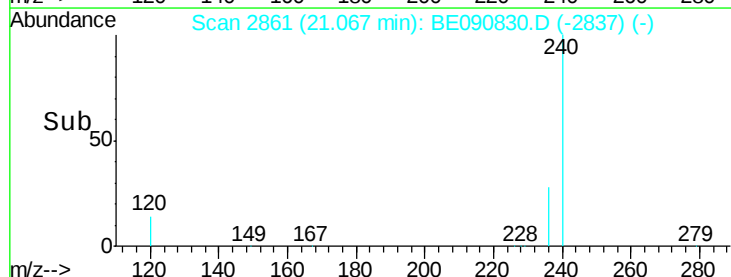
228 100

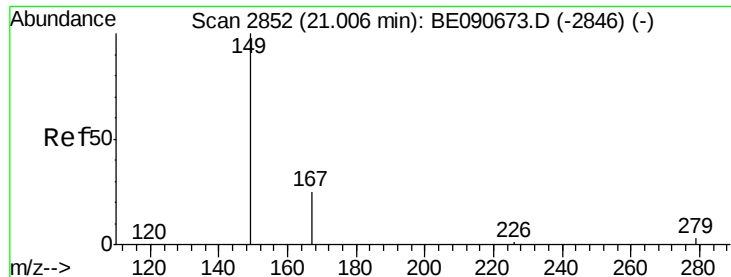
226 24.9 24.2 36.4

229 41.0 15.3 22.9#



Abundance Ion 228.00 (227.70 to 228.70): E
800
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

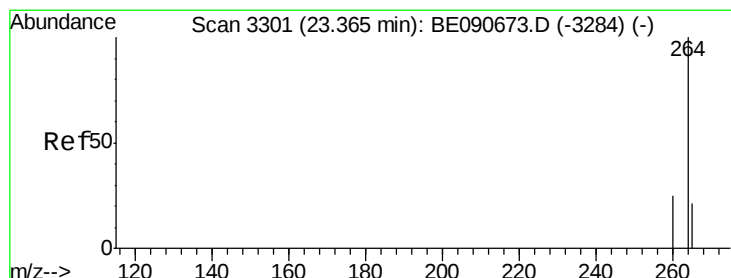
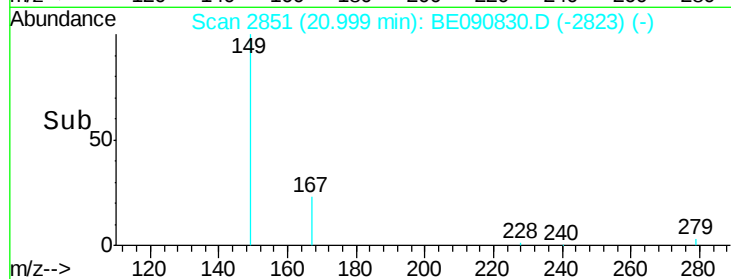
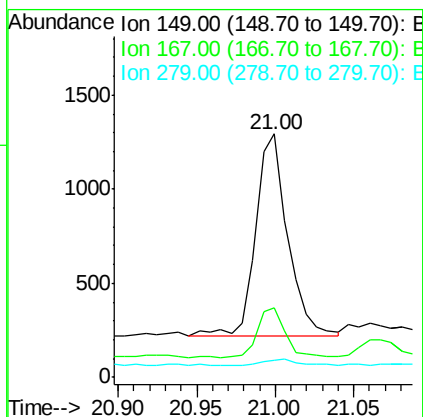
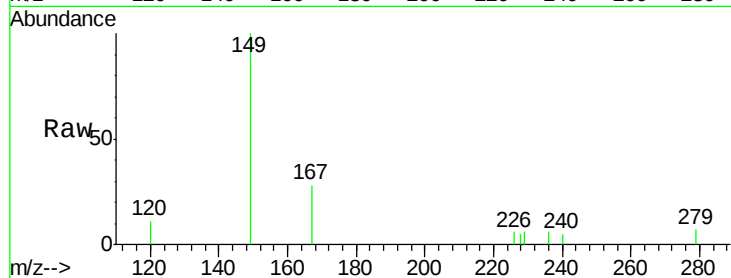




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.19 ng
 RT: 21.00 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BE090830.D
 Acq: 15 Sep 2015 13:24

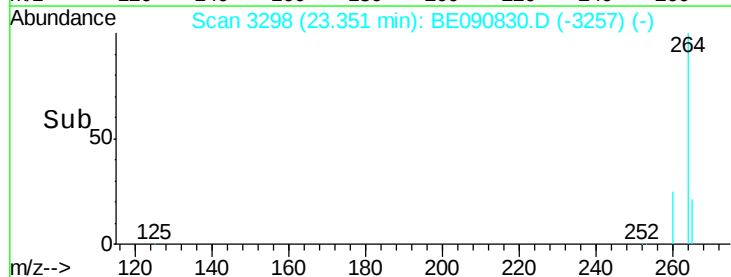
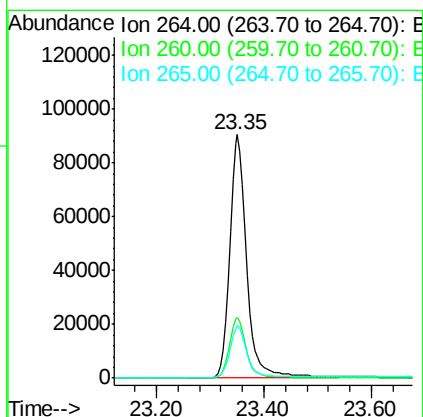
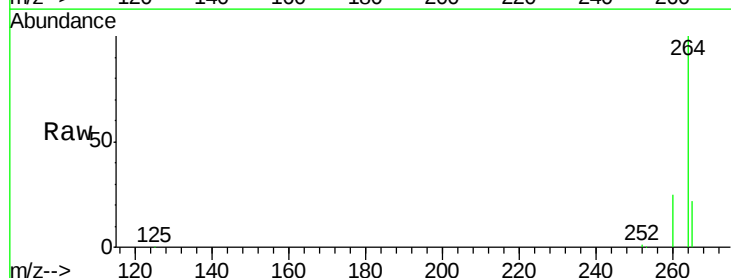
Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-S

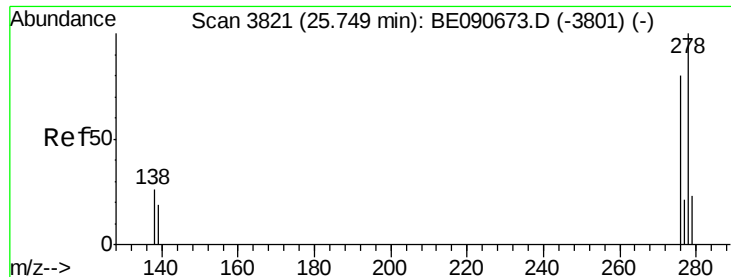
Tgt Ion:149 Resp: 1517
 Ion Ratio Lower Upper
 149 100
 167 21.6 20.1 30.1
 279 3.6 2.3 3.5#



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090830.D
 Acq: 15 Sep 2015 13:24

Tgt Ion:264 Resp: 200866
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.7 29.5
 265 21.7 17.5 26.3





#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.72 min Scan# 3814

Delta R.T. -0.03 min

Lab File: BE090830.D

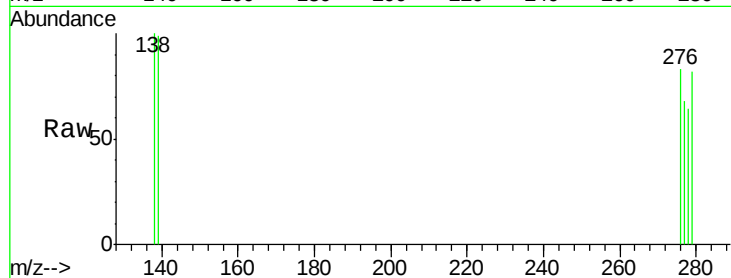
Acq: 15 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S



Tgt Ion: 278 Resp: 11

Ion Ratio Lower Upper

278 100

139 155.6 15.4 23.0#

279 128.6 18.8 28.2#

