

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090439.D
 Acq On : 11 Aug 2015 21:47
 Operator : UM/IZ
 Sample : G3135-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 081015-D506-F-D-B

Quant Time: Aug 12 04:15:26 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	22183	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	101554	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	59513	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	140608	5.00	ng	0.00
25) Chrysene-d12	21.09	240	162944	5.00	ng	0.00
32) Perylene-d12	23.40	264	146529	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	16302	4.90	ng	0.00
5) Phenol-d6	6.77	99	15694	2.35	ng	0.00
7) Nitrobenzene-d5	8.73	82	28148	3.47	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	17038	8.89	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	67643	4.13	ng	0.00
27) Terphenyl-d14	19.55	244	127688	5.32	ng	-0.01

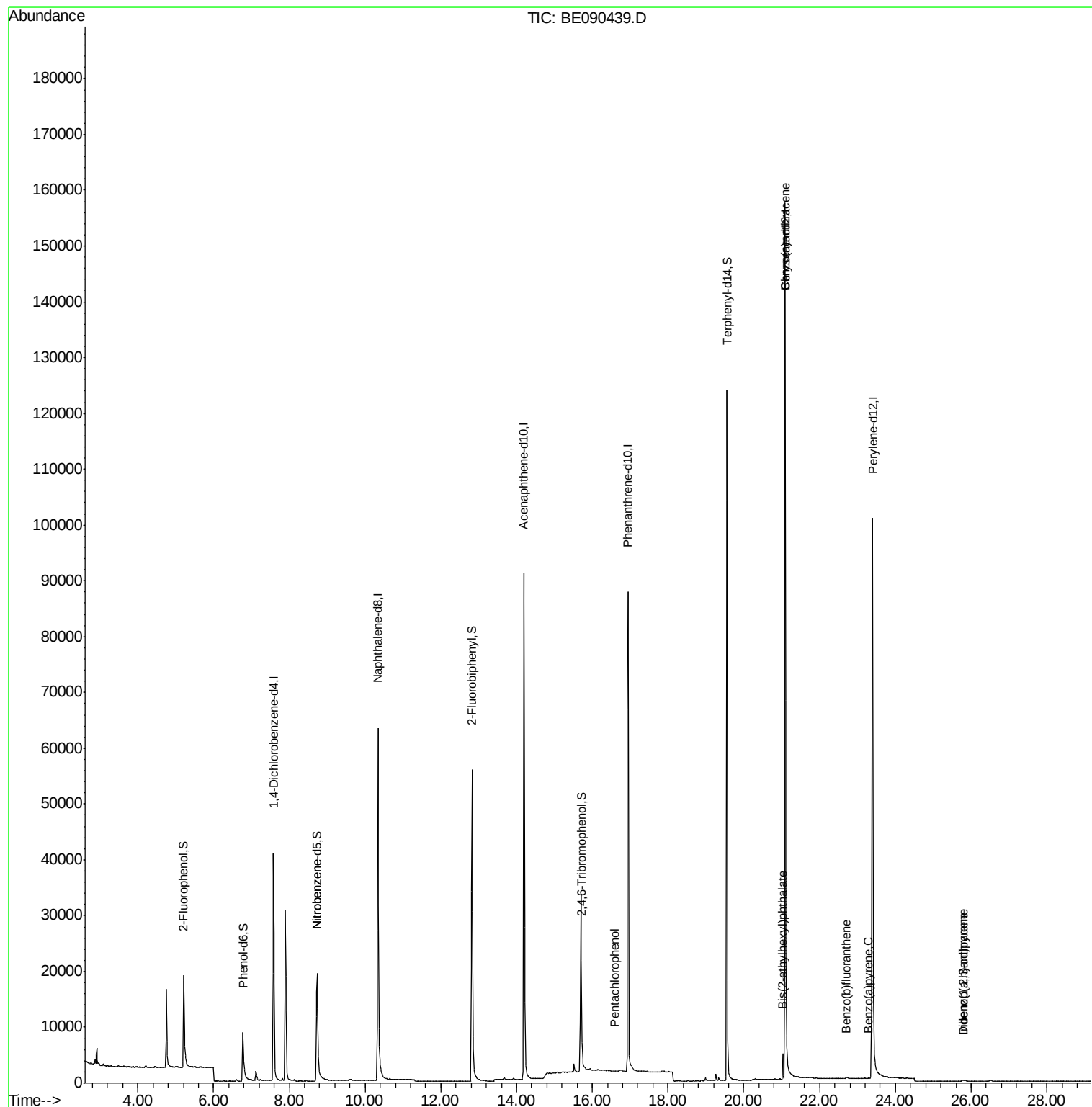
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.73	77	74	0.22	ng	# 27
10) Hexachlorobutadiene	10.69	225	3	Below Cal		# 1
21) Pentachlorophenol	16.60	266	11	0.10	ng	# 71
28) Benzo(a)anthracene	21.09	228	743	0.02	ng	# 80
30) Bis(2-ethylhexyl)phthalate	21.03	149	3695	0.53	ng	# 99
31) Indeno(1,2,3-cd)pyrene	25.79	276	323	0.26	ng	# 91
33) Benzo(b)fluoranthene	22.71	252	329	0.20	ng	# 1
35) Benzo(a)pyrene	23.30	252	266	0.23	ng	# 1
36) Dibenzo(a,h)anthracene	25.81	278	162	0.29	ng	# 1

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

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
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QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration



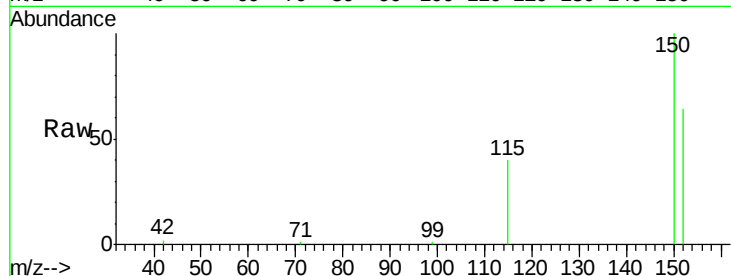


#1

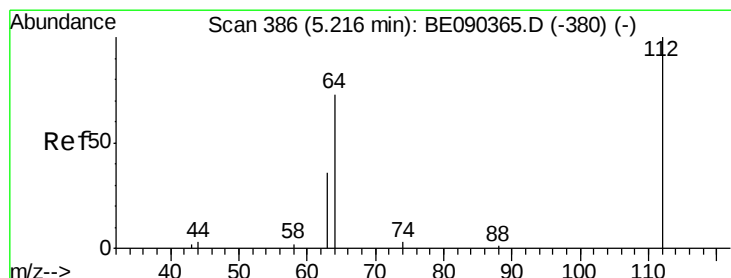
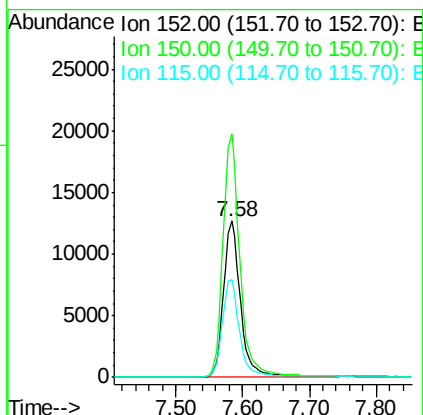
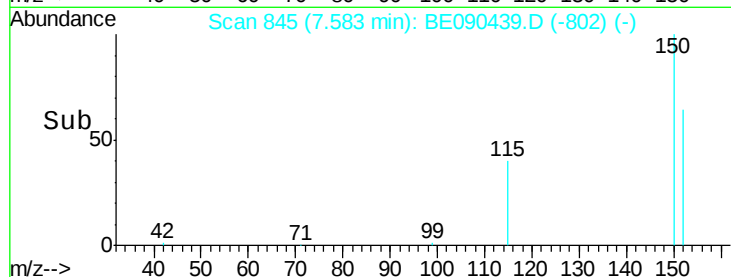
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090439.D
Acq: 11 Aug 2015 21:47

Instrument :
BNA_E
ClientSampleId :
081015-D506-F-D-B

Tgt Ion:152 Resp: 22183
Ion Ratio Lower Upper
152 100
150 155.5 123.0 184.4
115 62.8 48.9 73.3



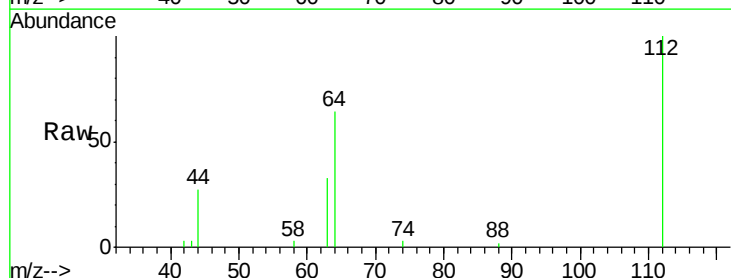
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



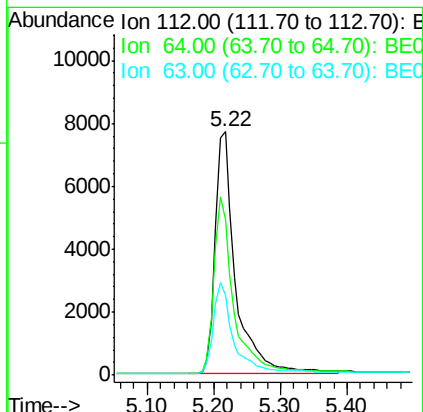
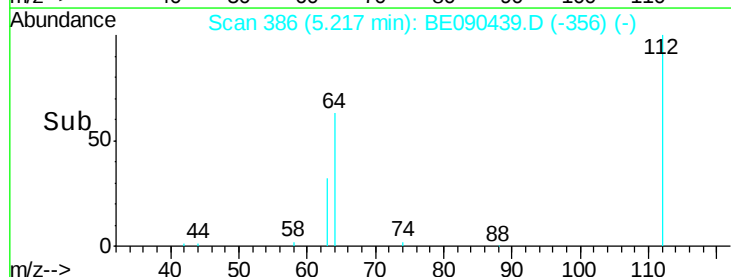
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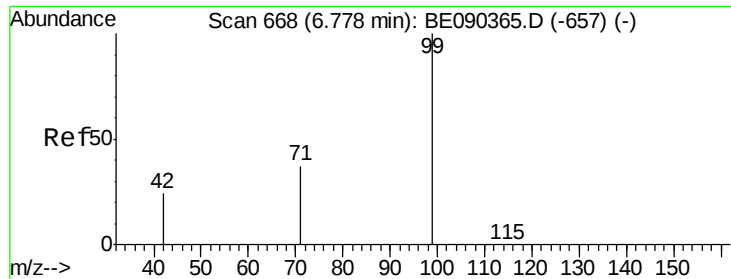
2-Fluorophenol
Concen: 4.90 ng
RT: 5.22 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE090439.D
Acq: 11 Aug 2015 21:47

Tgt Ion:112 Resp: 16302
Ion Ratio Lower Upper
112 100
64 70.5 37.1 55.7#
63 36.3 19.5 29.3#



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: 2.35 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-B

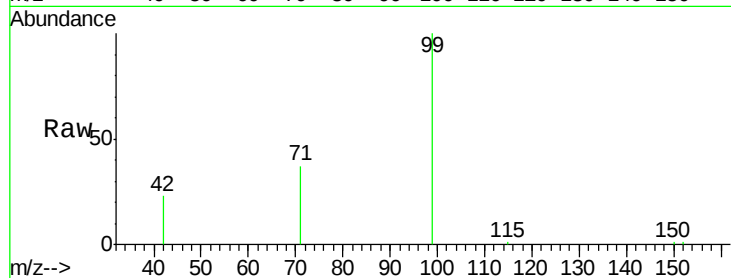
Tgt Ion: 99 Resp: 15694

Ion Ratio Lower Upper

99 100

42 20.8 18.2 27.4

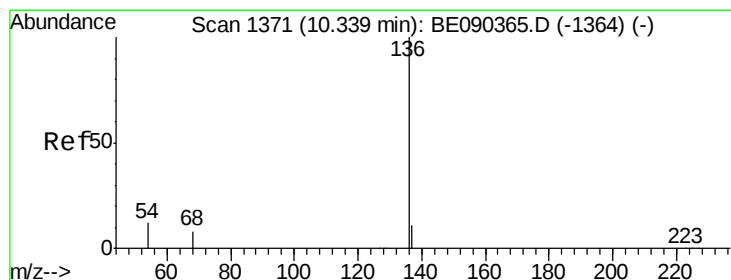
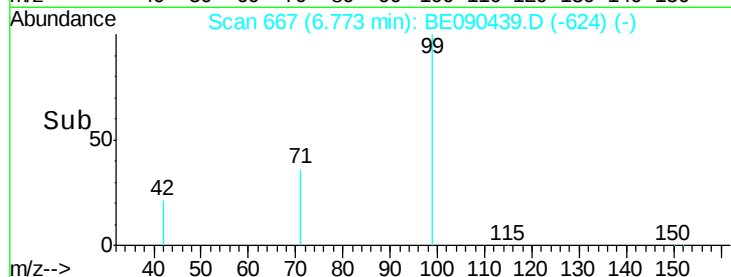
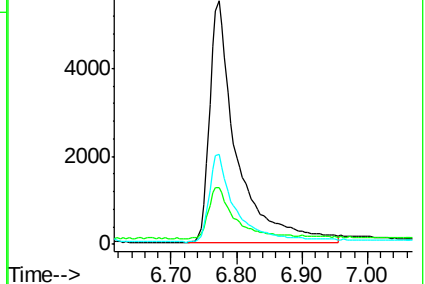
71 35.6 27.4 41.0



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: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

Tgt Ion: 136 Resp: 101554

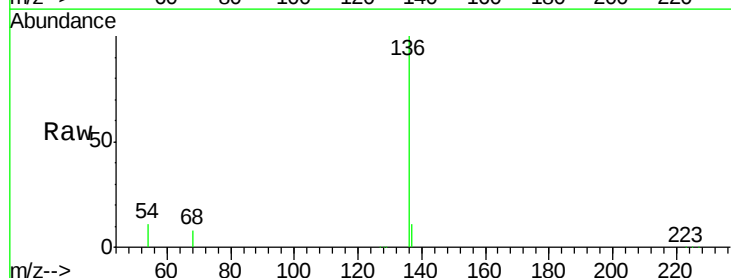
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.1 9.4 14.0

68 8.1 6.5 9.7

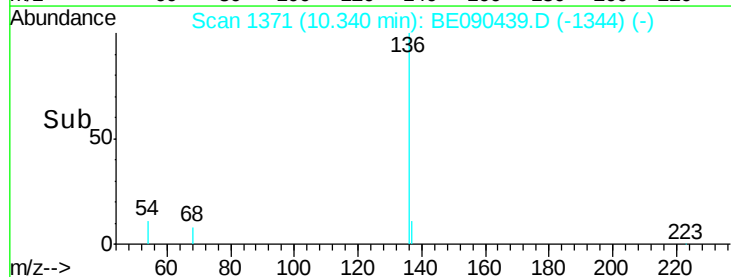
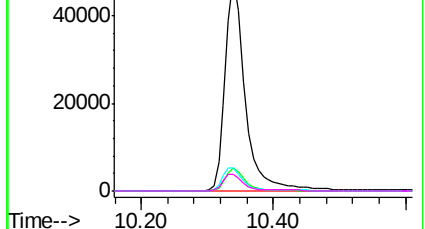


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.47 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-B

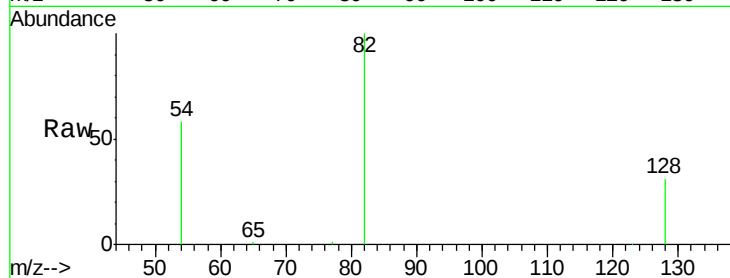
Tgt Ion: 82 Resp: 28148

Ion Ratio Lower Upper

82 100

128 30.9 25.0 37.6

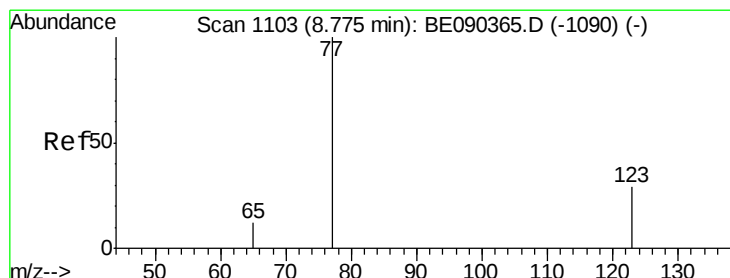
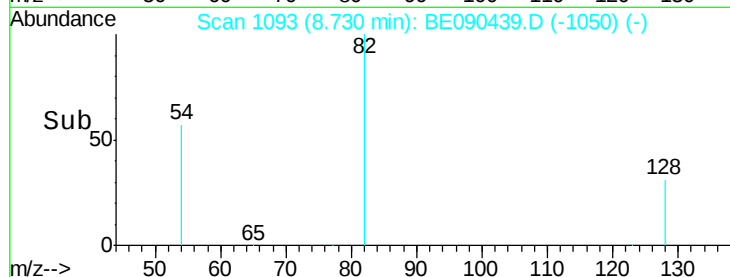
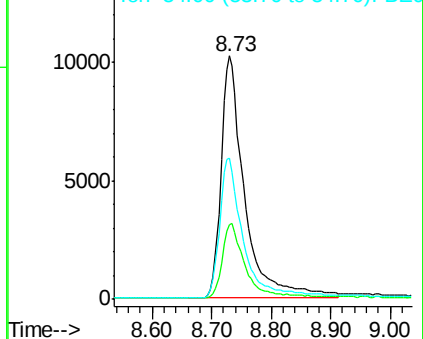
54 57.8 48.8 73.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 0.22 ng

RT: 8.73 min Scan# 1092

Delta R.T. -0.05 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

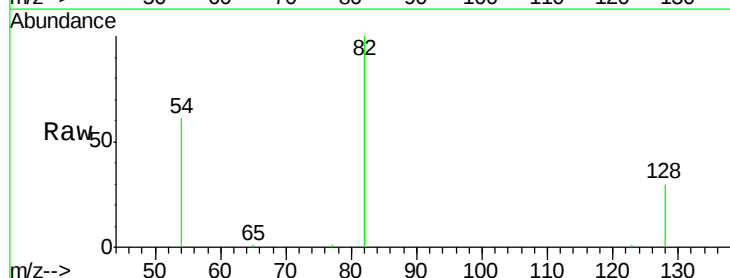
Tgt Ion: 77 Resp: 74

Ion Ratio Lower Upper

77 100

123 4.1 25.1 37.7#

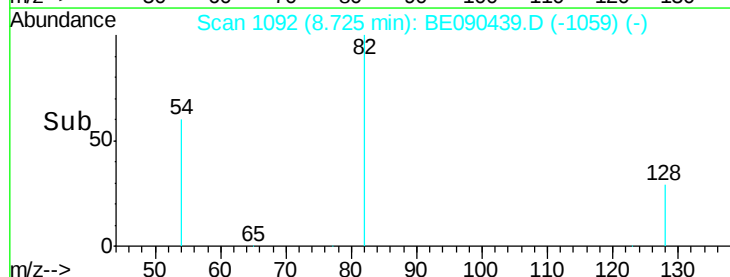
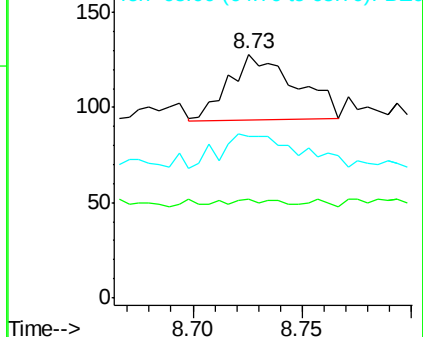
65 63.5 9.3 13.9#

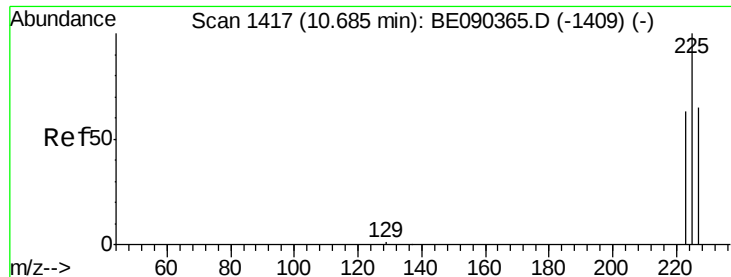


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

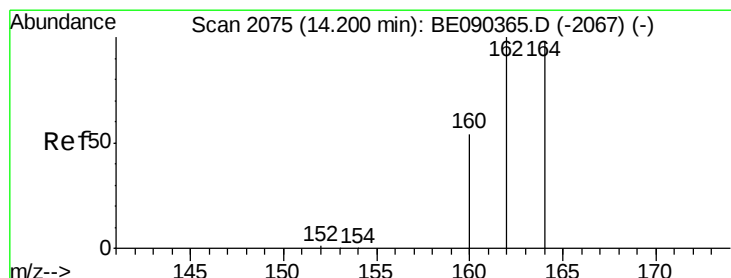
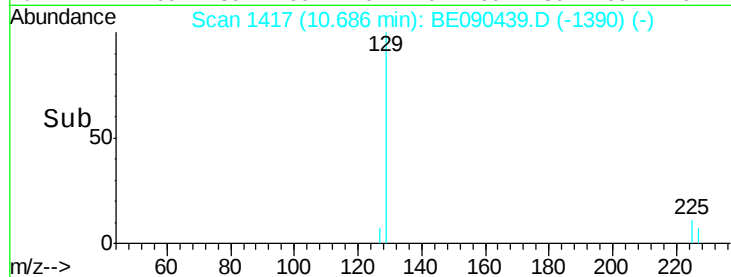
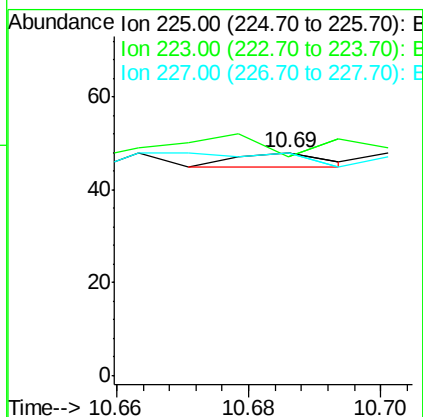
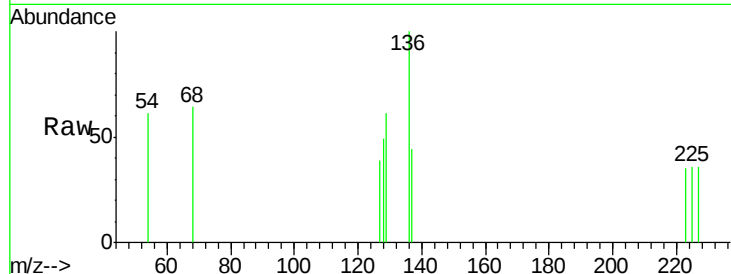




#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.69 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE090439.D
Acq: 11 Aug 2015 21:47

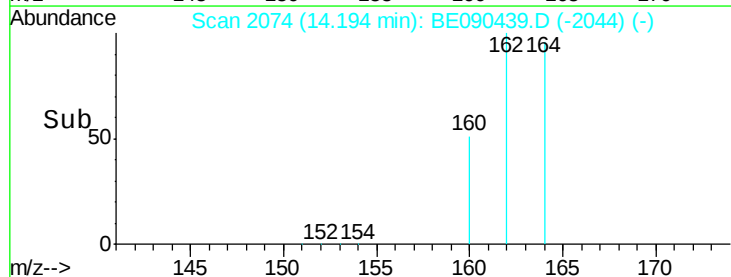
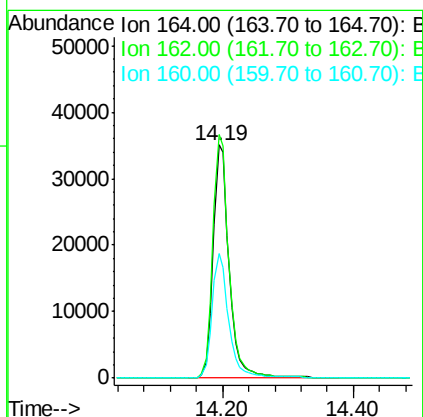
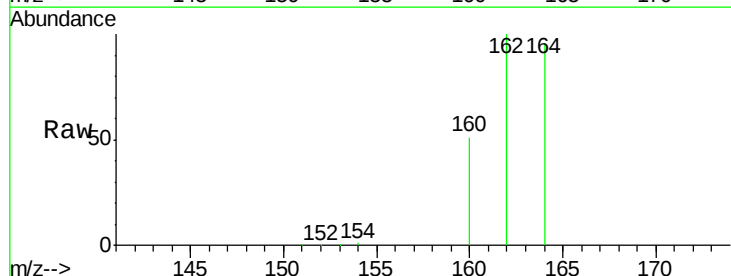
Instrument :
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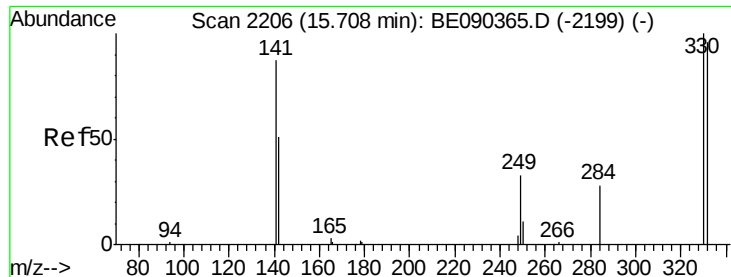
Tgt Ion: 225 Resp: 3
Ion Ratio Lower Upper
225 100
223 266.7 50.6 75.8#
227 0.0 50.7 76.1#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BE090439.D
Acq: 11 Aug 2015 21:47

Tgt Ion: 164 Resp: 59513
Ion Ratio Lower Upper
164 100
162 104.4 81.8 122.8
160 53.6 44.2 66.4

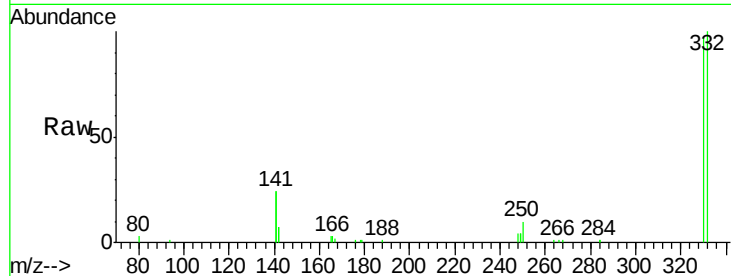




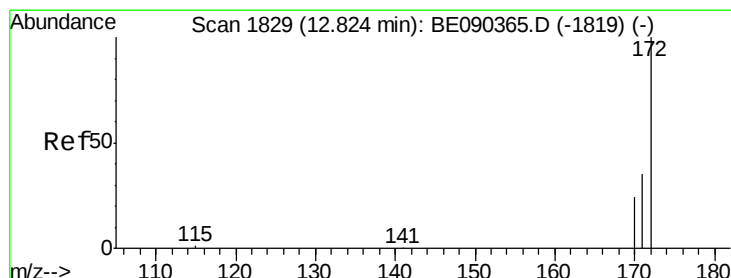
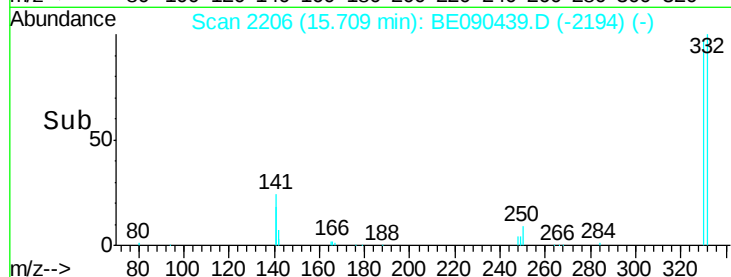
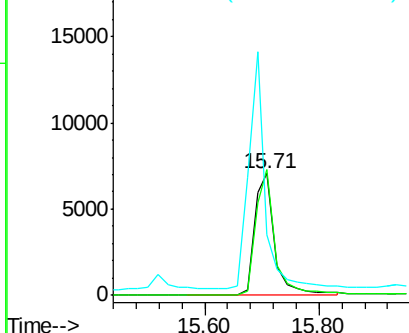
#13
 2,4,6-Tribromophenol
 Concen: 8.89 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090439.D
 Acq: 11 Aug 2015 21:47

Instrument :
 BNA_E
 ClientSampleId :
 081015-D506-F-D-B

Tgt Ion: 330 Resp: 17038
 Ion Ratio Lower Upper
 330 100
 332 98.2 75.8 113.6
 141 162.0 114.4 171.6

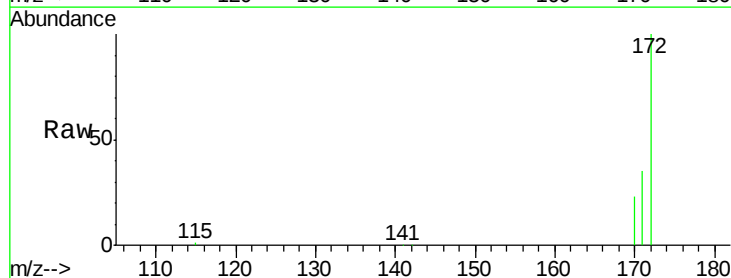


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

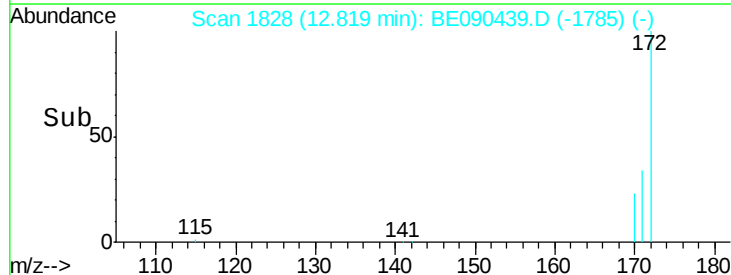
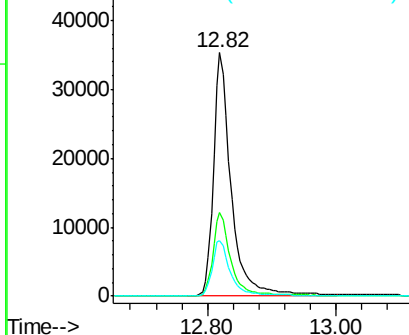


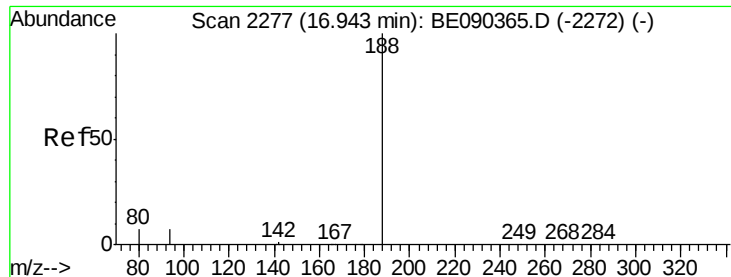
#14
 2-Fluorobiphenyl
 Concen: 4.13 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE090439.D
 Acq: 11 Aug 2015 21:47

Tgt Ion: 172 Resp: 67643
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 22.9 19.8 29.8



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

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-B

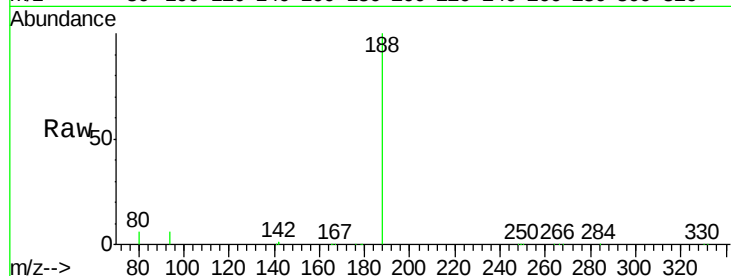
Tgt Ion:188 Resp: 140608

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

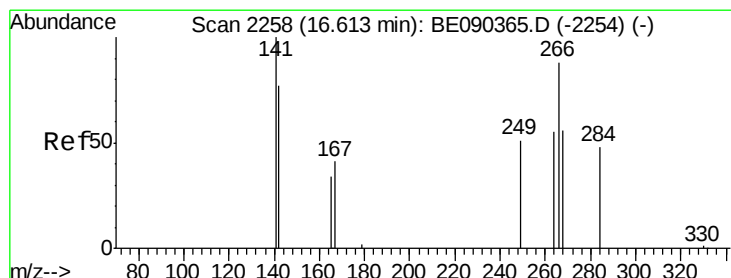
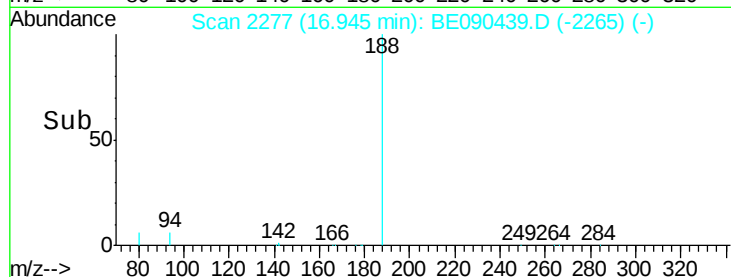
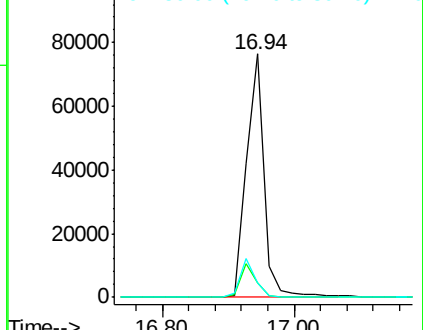
80 6.0 5.8 8.8



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

Pentachlorophenol

Concen: 0.10 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

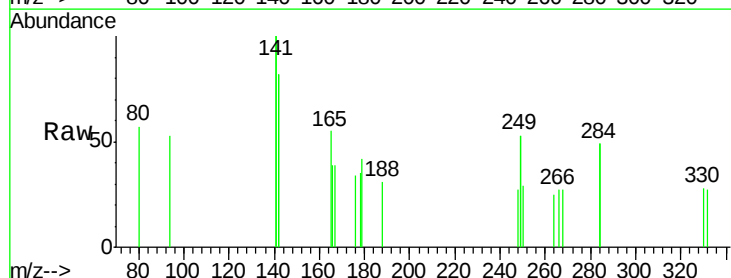
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

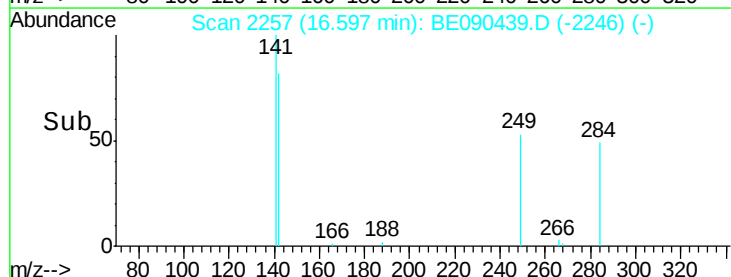
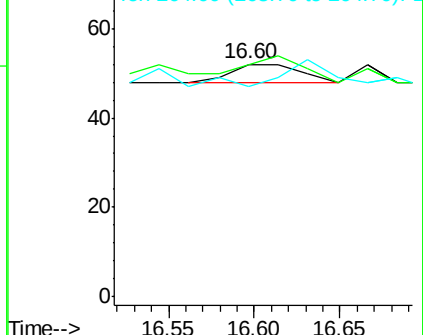
264 90.4 56.0 84.0#

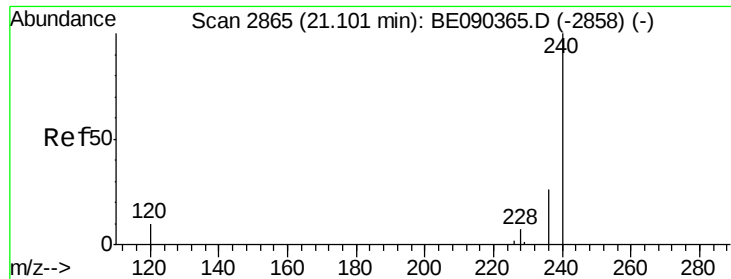


Abundance Ion 265.70 (265.40 to 266.40): E

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: 21.09 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BE090439.D

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Instrument :

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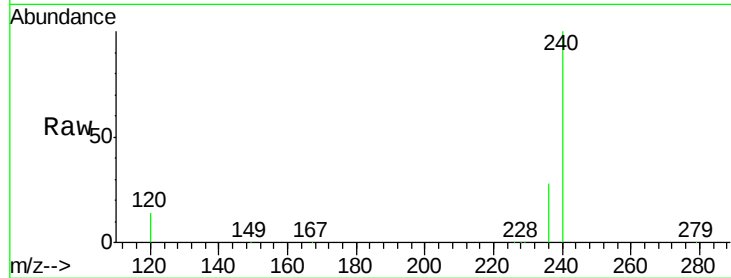
Tgt Ion:240 Resp: 162944

Ion Ratio Lower Upper

240 100

120 13.9 8.3 12.5#

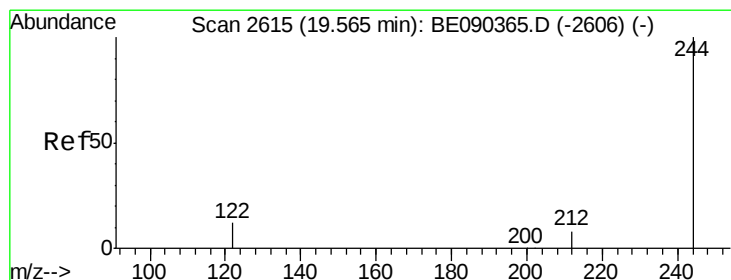
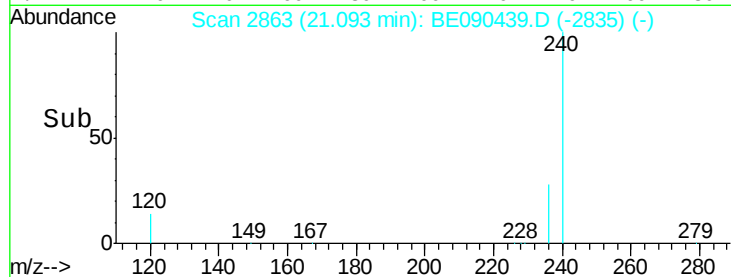
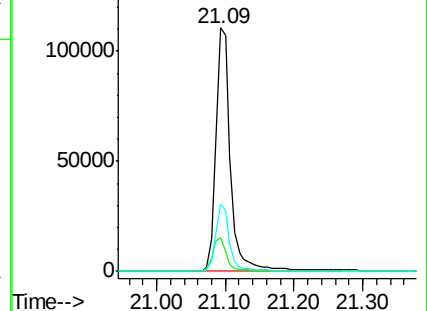
236 27.6 21.0 31.4



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: 5.32 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

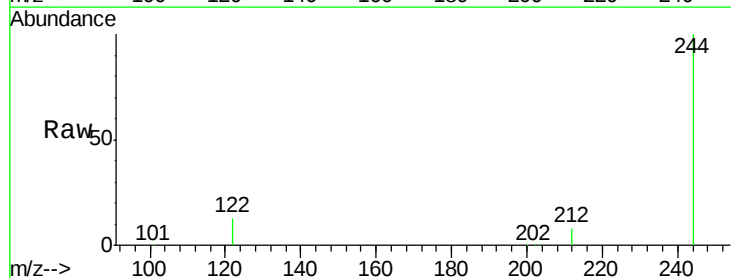
Tgt Ion:244 Resp: 127688

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

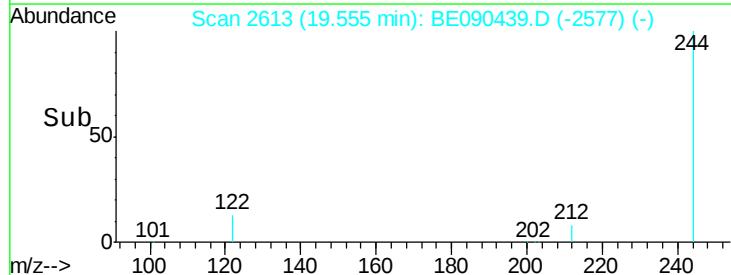
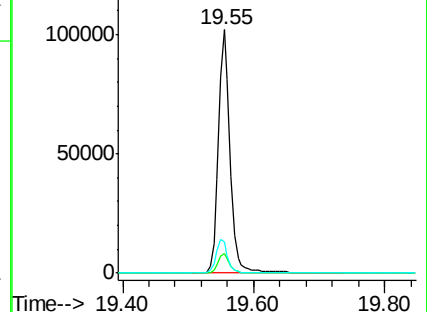
122 12.7 10.2 15.4

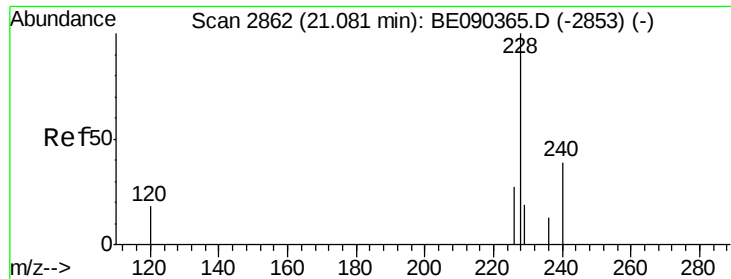


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.09 min Scan# 2863

Delta R.T. 0.01 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-B

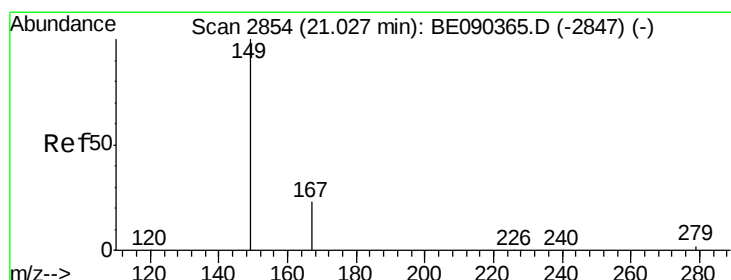
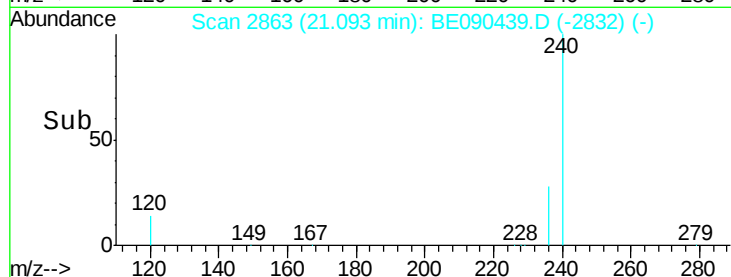
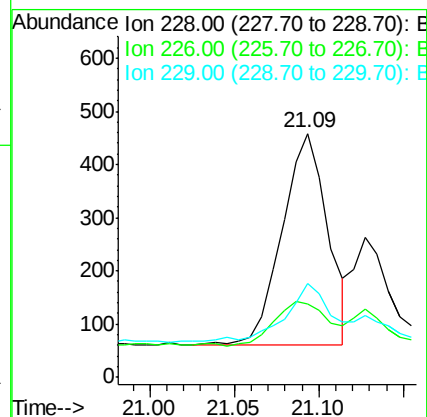
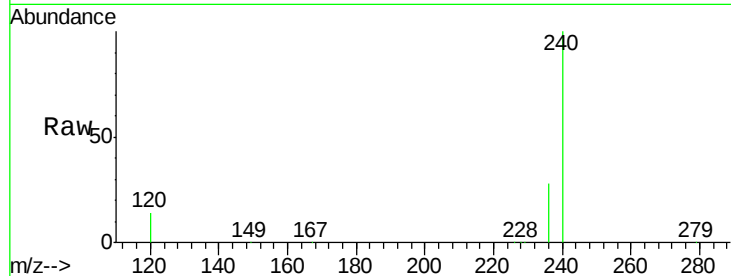
Tgt Ion:228 Resp: 743

Ion Ratio Lower Upper

228 100

226 29.9 21.9 32.9

229 38.4 15.4 23.0#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.53 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

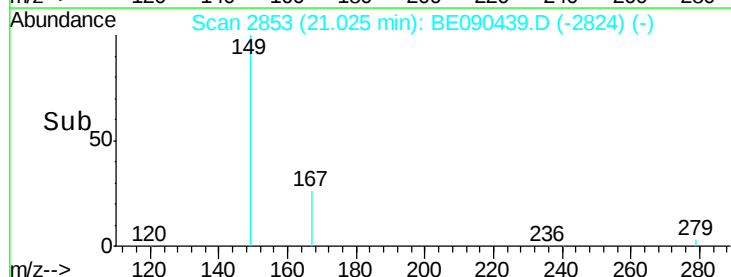
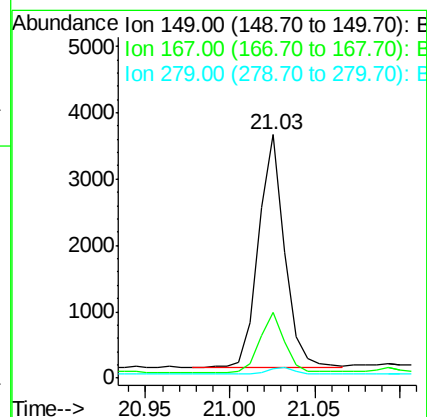
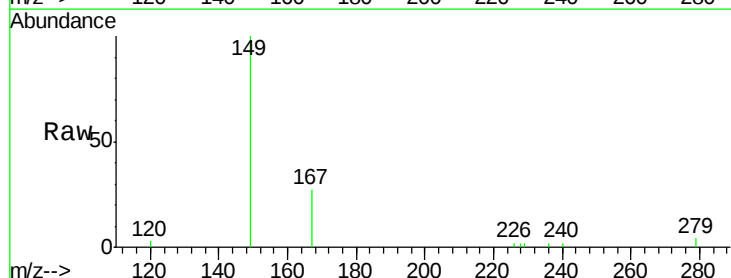
Tgt Ion:149 Resp: 3695

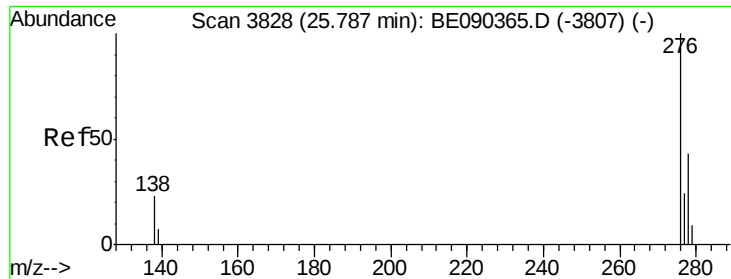
Ion Ratio Lower Upper

149 100

167 25.1 19.8 29.8

279 3.0 2.4 3.6





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng

RT: 25.79 min Scan# 3829

Delta R.T. 0.00 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-B

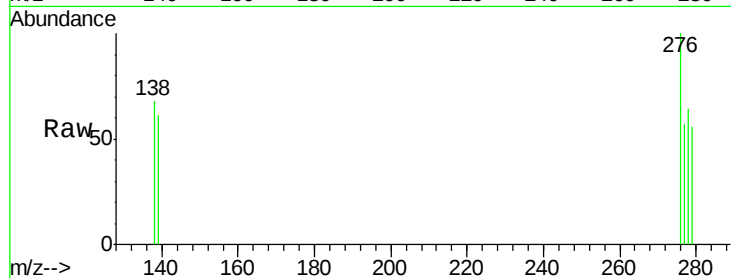
Tgt Ion:276 Resp: 323

Ion Ratio Lower Upper

276 100

138 15.2 18.8 28.2#

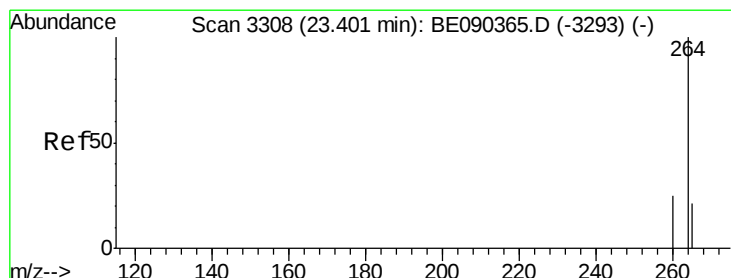
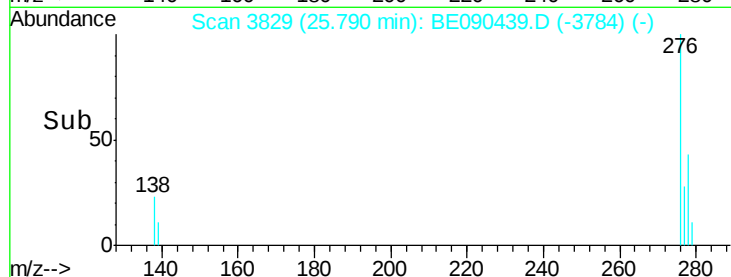
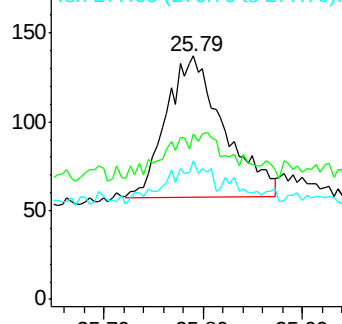
277 22.3 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

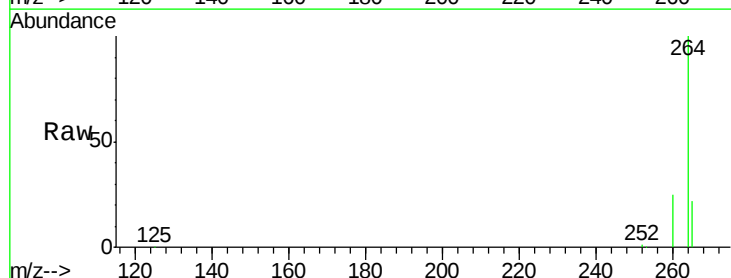
Tgt Ion:264 Resp: 146529

Ion Ratio Lower Upper

264 100

260 24.9 20.1 30.1

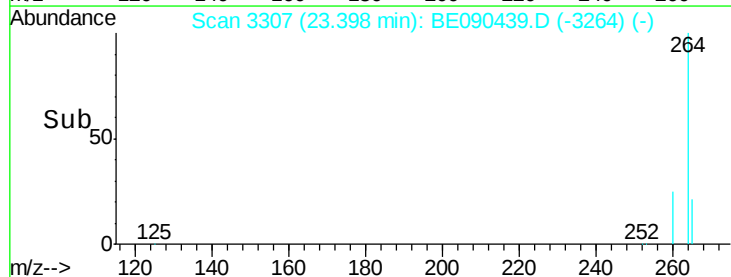
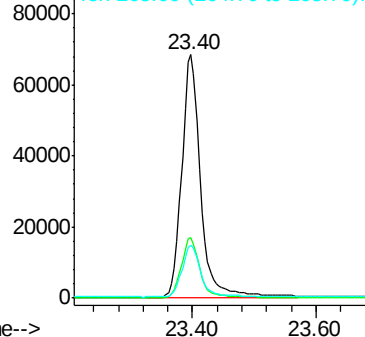
265 21.7 17.2 25.8

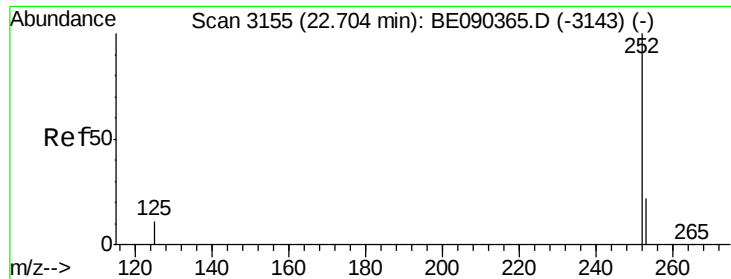


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.71 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-B

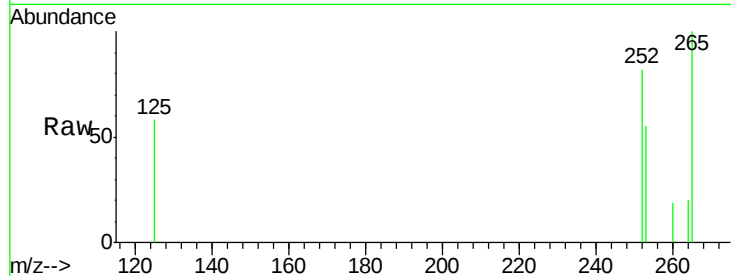
Tgt Ion: 252 Resp: 329

Ion Ratio Lower Upper

252 100

253 67.2 18.1 27.1#

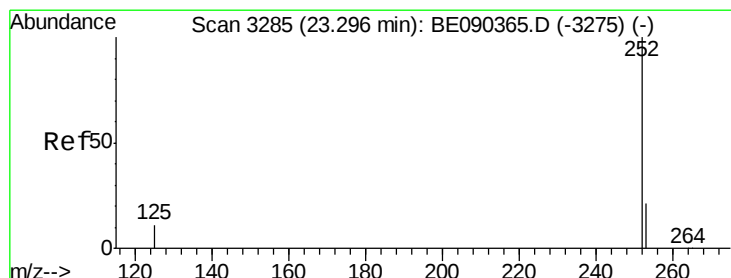
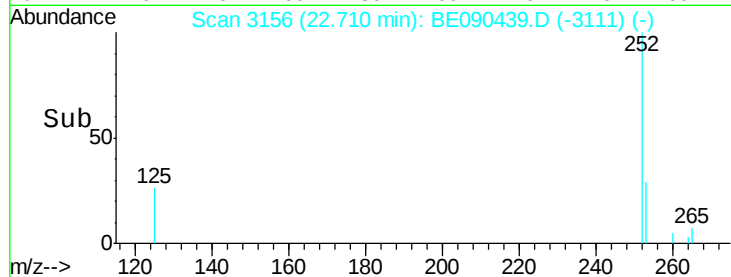
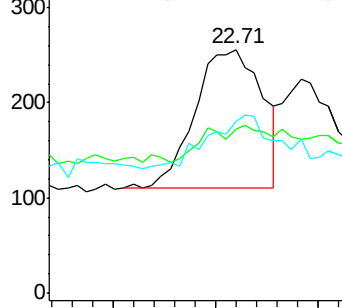
125 70.3 9.4 14.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090439.D

Acq: 11 Aug 2015 21:47

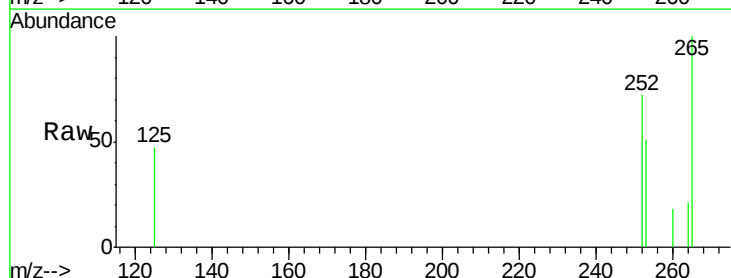
Tgt Ion: 252 Resp: 266

Ion Ratio Lower Upper

252 100

253 70.3 17.6 26.4#

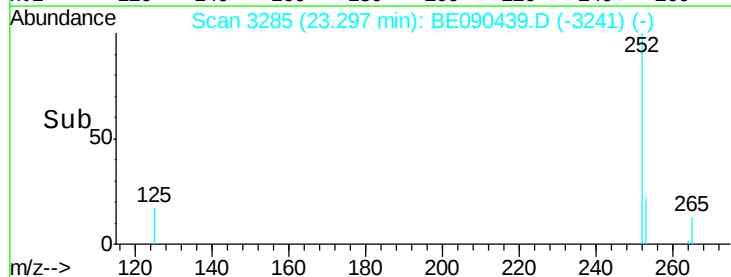
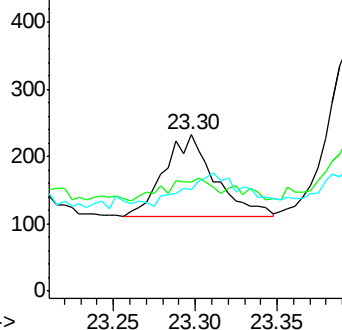
125 65.1 9.8 14.6#

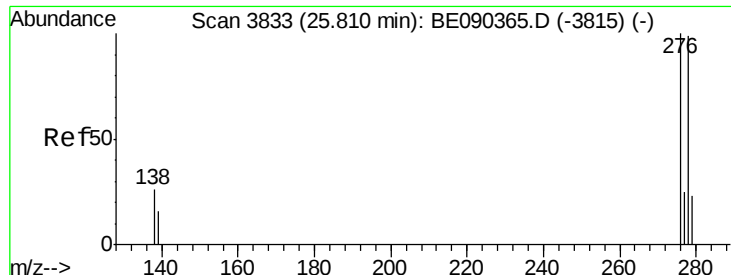


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.81 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090439.D

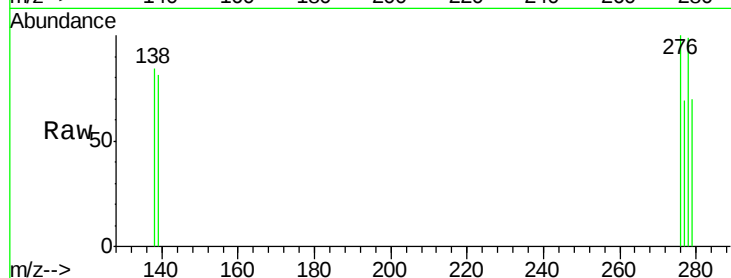
Acq: 11 Aug 2015 21:47

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-B



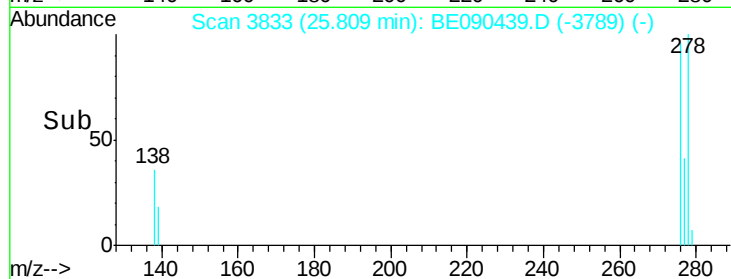
Tgt Ion: 278 Resp: 162

Ion Ratio Lower Upper

278 100

139 82.2 14.2 21.4#

279 71.0 20.1 30.1#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

