

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090440.D
 Acq On : 11 Aug 2015 22:23
 Operator : UM/IZ
 Sample : G3135-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Aug 12 04:15:36 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	21544	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	98152	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	57531	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	133588	5.00	ng	0.00
25) Chrysene-d12	21.09	240	157786	5.00	ng	0.00
32) Perylene-d12	23.40	264	142975	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	18489	5.72	ng	0.00
5) Phenol-d6	6.77	99	16660	2.55	ng	0.00
7) Nitrobenzene-d5	8.73	82	29812	3.78	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	17775	9.35	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	70807	4.47	ng	0.00
27) Terphenyl-d14	19.55	244	126984	5.46	ng	-0.01

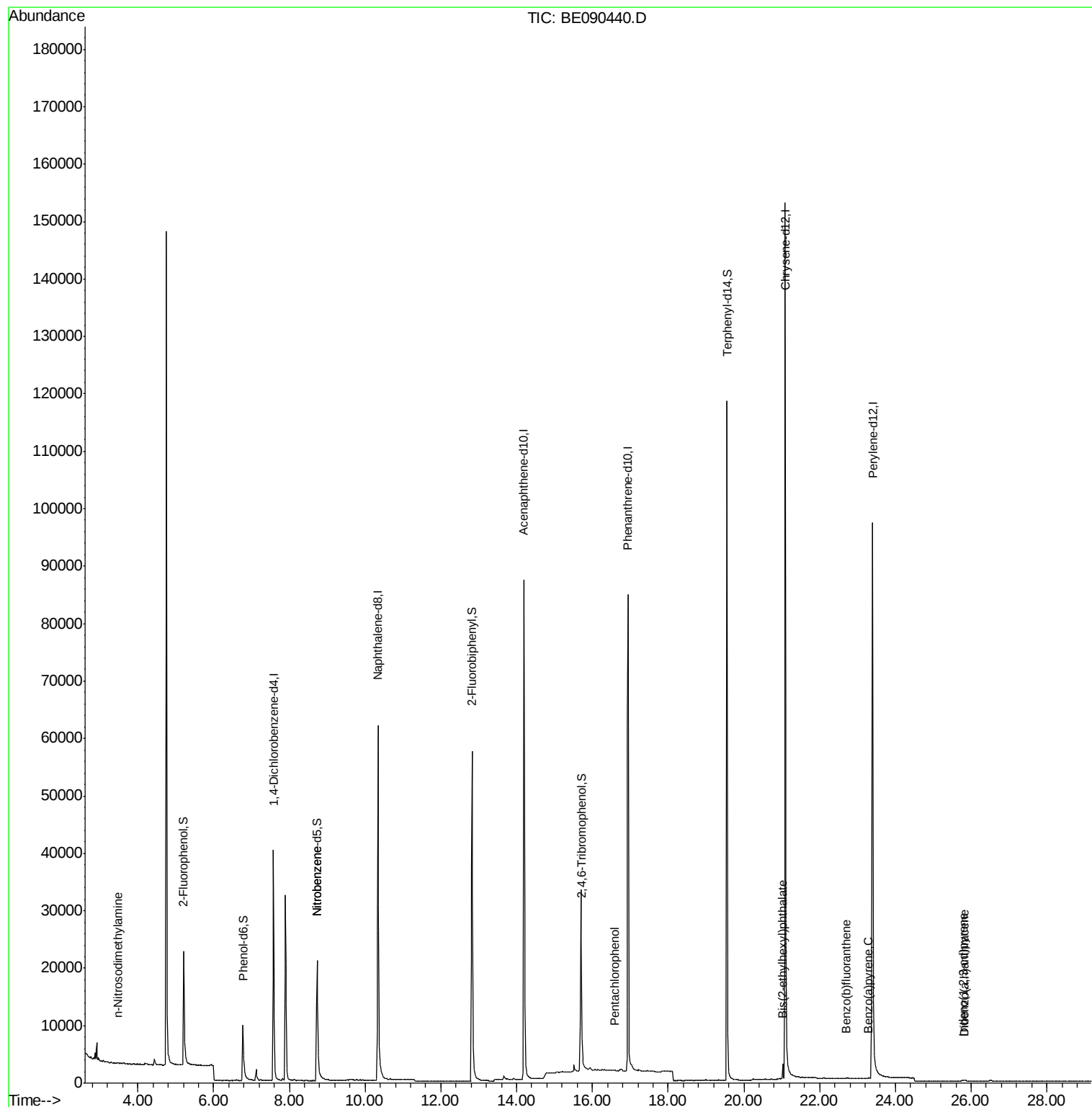
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	53	Below Cal	#	46
3) n-Nitrosodimethylamine	3.49	42	87	0.03 ng	#	1
8) Nitrobenzene	8.73	77	130	0.22 ng	#	50
10) Hexachlorobutadiene	10.66	225	1	Below Cal	#	1
21) Pentachlorophenol	16.60	266	11	0.10 ng	#	67
30) Bis(2-ethylhexyl)phthalate	21.03	149	2583	0.41 ng		98
31) Indeno(1,2,3-cd)pyrene	25.79	276	200	0.26 ng	#	70
33) Benzo(b)fluoranthene	22.70	252	142	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	111	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	141	0.29 ng	#	1

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

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Quant Time: Aug 12 04:15:36 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

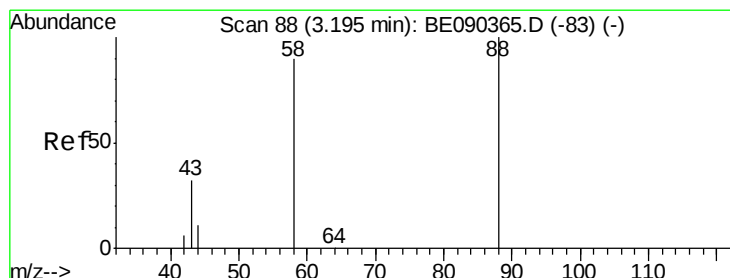
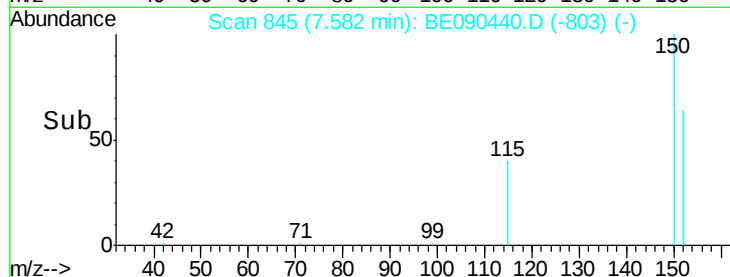
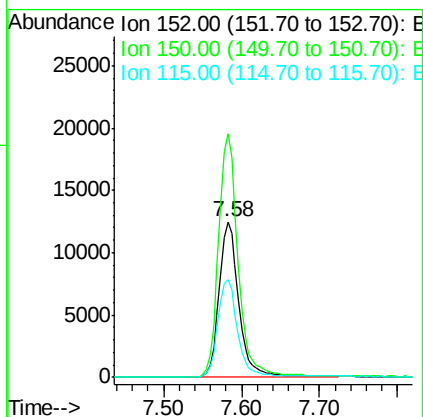
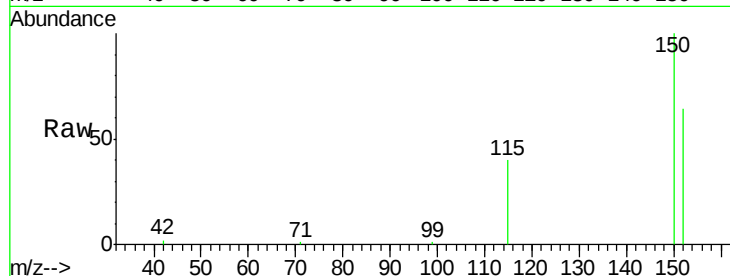




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.58 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BE090440.D
 Acq: 11 Aug 2015 22:23

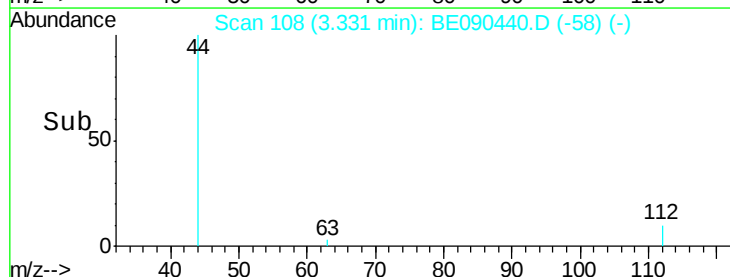
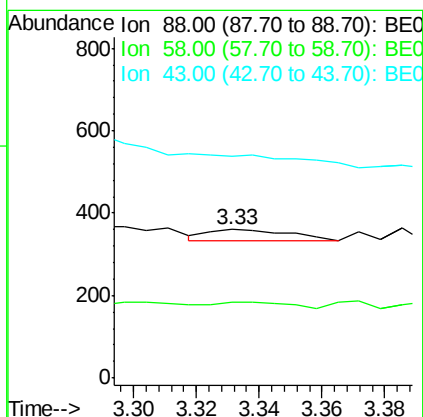
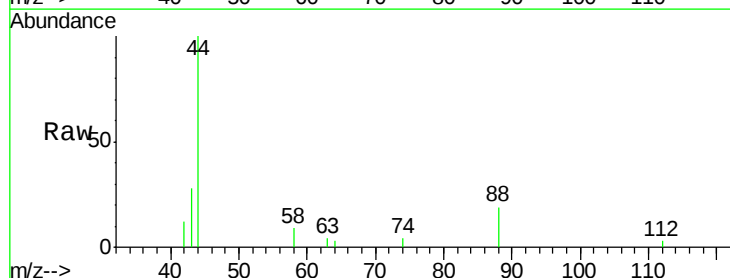
Instrument :
 BNA_E
 ClientSampleId :
 081015-D506-F-D-S

Tgt Ion: 152 Resp: 21544
 Ion Ratio Lower Upper
 152 100
 150 156.5 123.0 184.4
 115 62.5 48.9 73.3



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.33 min Scan# 108
 Delta R.T. 0.14 min
 Lab File: BE090440.D
 Acq: 11 Aug 2015 22:23

Tgt Ion: 88 Resp: 53
 Ion Ratio Lower Upper
 88 100
 58 39.6 70.0 105.0#
 43 0.0 28.4 42.6#





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.01 min

Lab File: BE090440.D

Acq: 11 Aug 2015 22:23

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-S

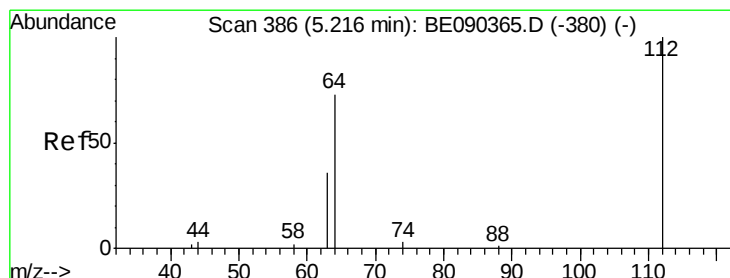
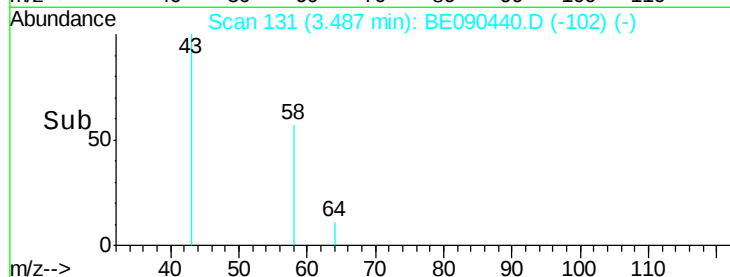
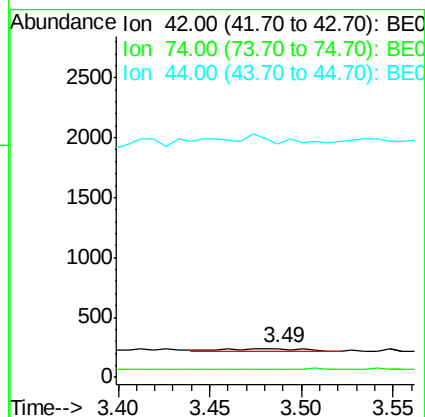
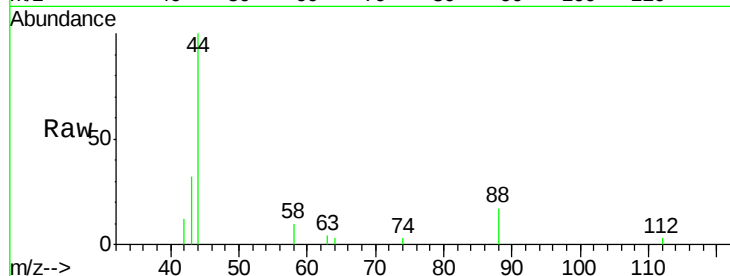
Tgt Ion: 42 Resp: 87

Ion Ratio Lower Upper

42 100

74 6.9 75.2 112.8#

44 252.9 8.7 13.1#



#4

2-Fluorophenol

Concen: 5.72 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090440.D

Acq: 11 Aug 2015 22:23

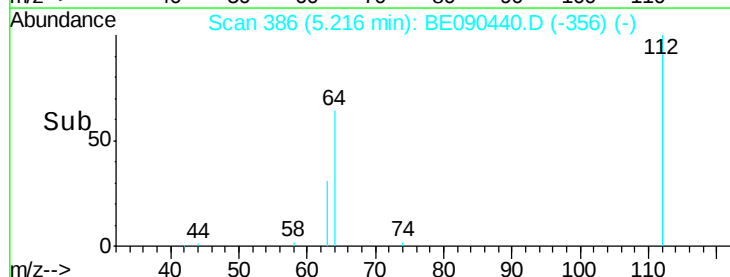
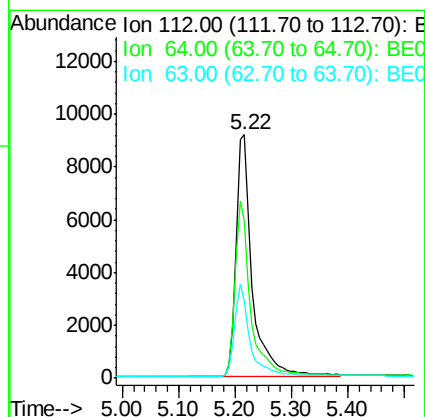
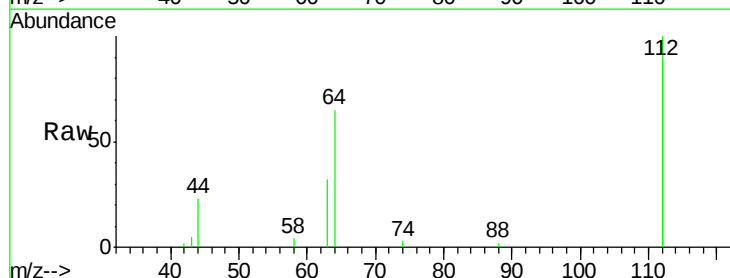
Tgt Ion: 112 Resp: 18489

Ion Ratio Lower Upper

112 100

64 70.2 37.1 55.7#

63 36.6 19.5 29.3#





#5

Phenol-d6

Concen: 2.55 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090440.D

Acq: 11 Aug 2015 22:23

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-S

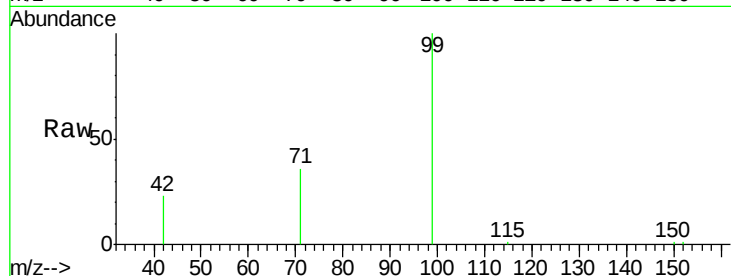
Tgt Ion: 99 Resp: 16660

Ion Ratio Lower Upper

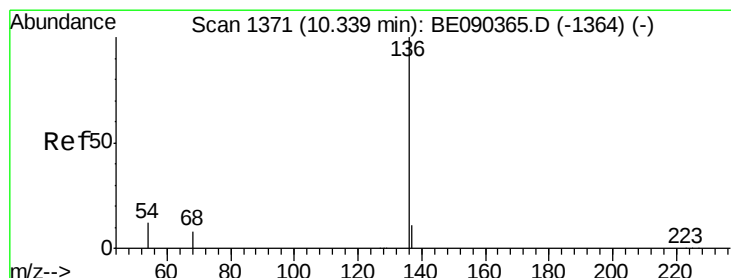
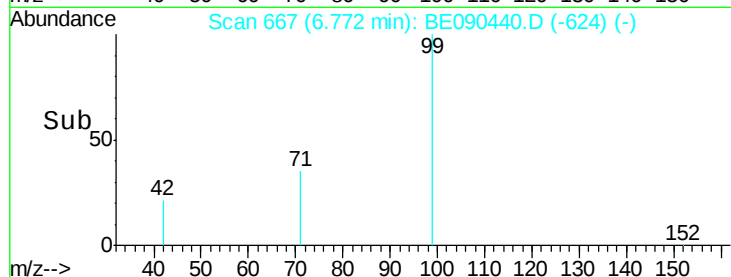
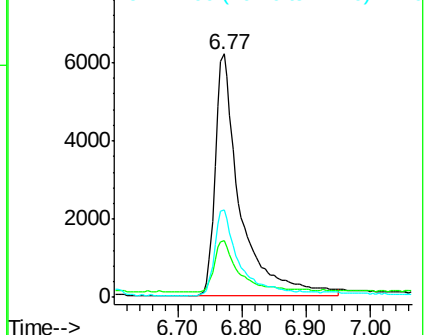
99 100

42 21.6 18.2 27.4

71 35.4 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: BE090440.D

Acq: 11 Aug 2015 22:23

Tgt Ion: 136 Resp: 98152

Ion Ratio Lower Upper

136 100

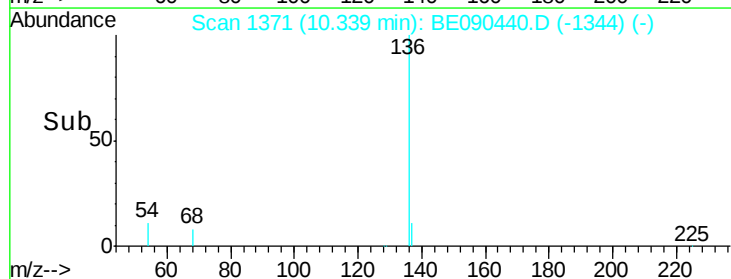
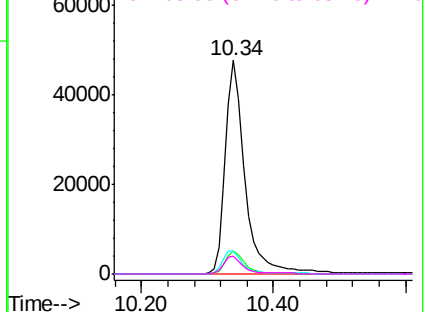
137 11.0 8.7 13.1

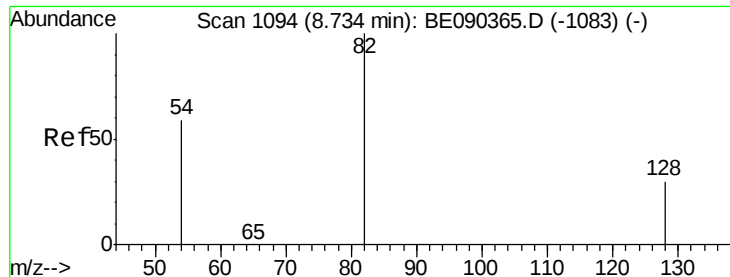
54 11.1 9.4 14.0

68 8.2 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: 3.78 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090440.D

Acq: 11 Aug 2015 22:23

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-S

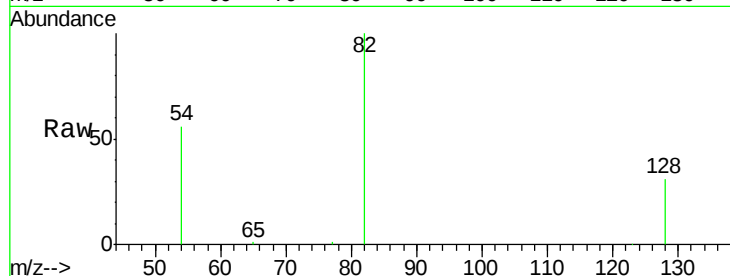
Tgt Ion: 82 Resp: 29812

Ion Ratio Lower Upper

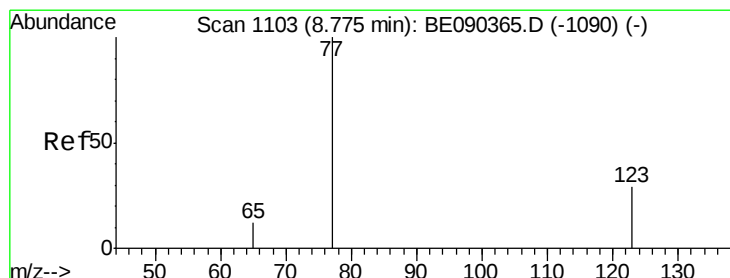
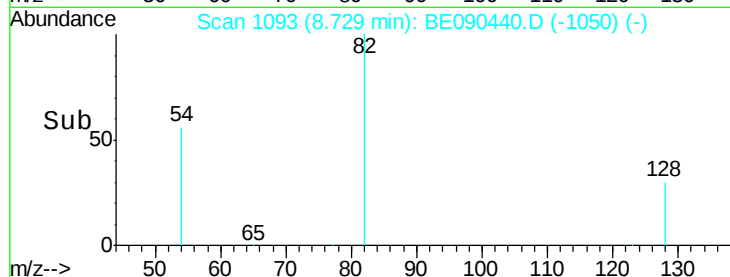
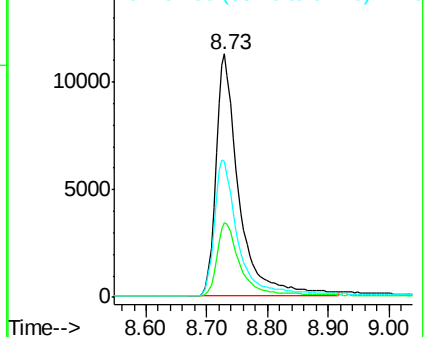
82 100

128 30.8 25.0 37.6

54 55.8 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# 1093

Delta R.T. -0.04 min

Lab File: BE090440.D

Acq: 11 Aug 2015 22:23

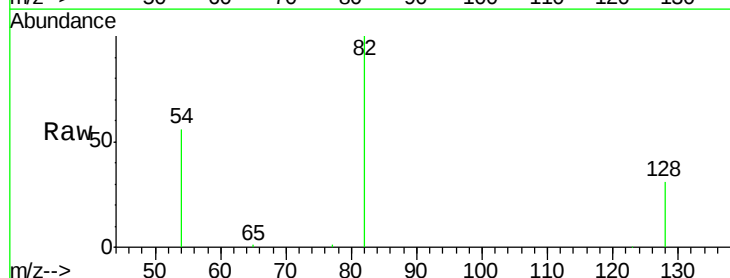
Tgt Ion: 77 Resp: 130

Ion Ratio Lower Upper

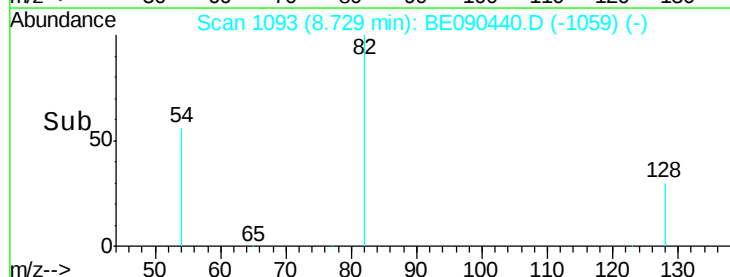
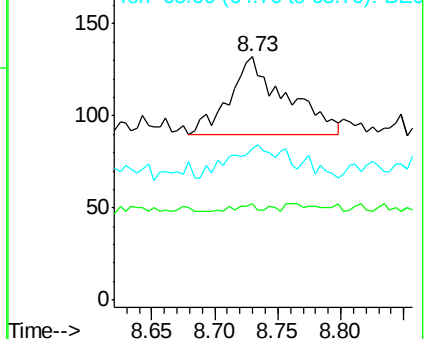
77 100

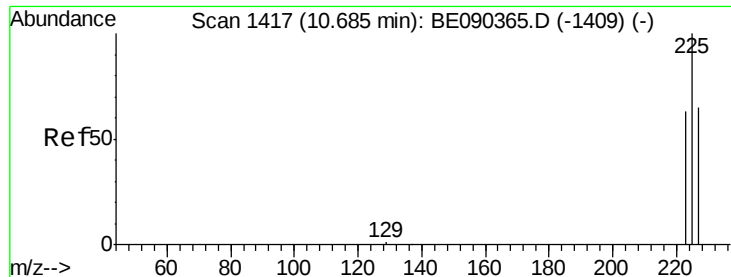
123 3.8 25.1 37.7#

65 31.5 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

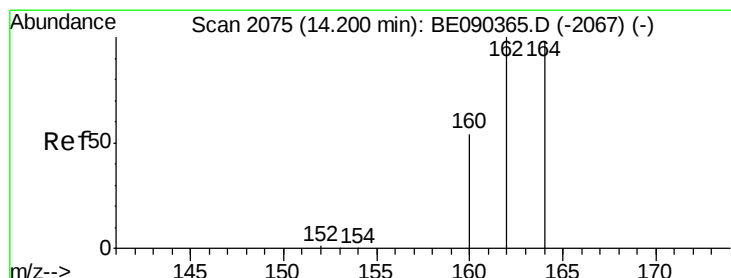
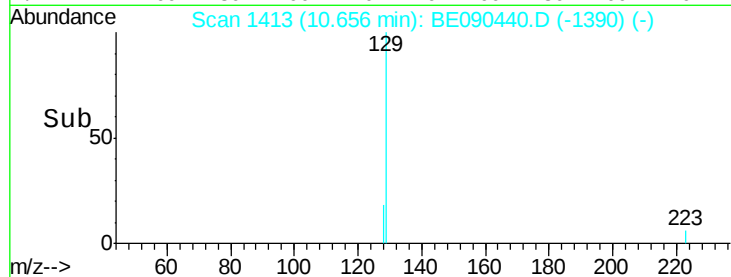
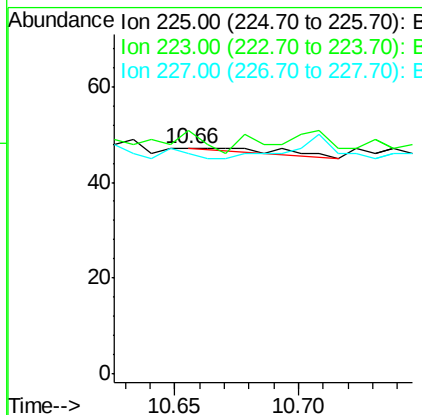
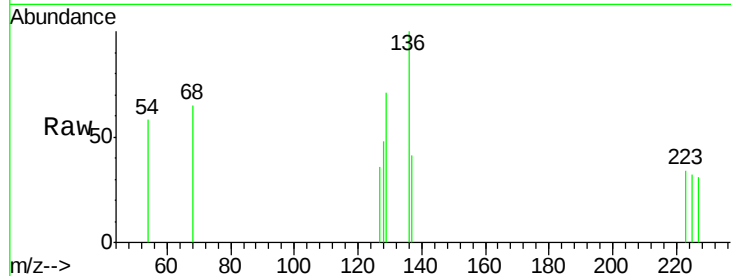




#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.66 min Scan# 1413
Delta R.T. -0.03 min
Lab File: BE090440.D
Acq: 11 Aug 2015 22:23

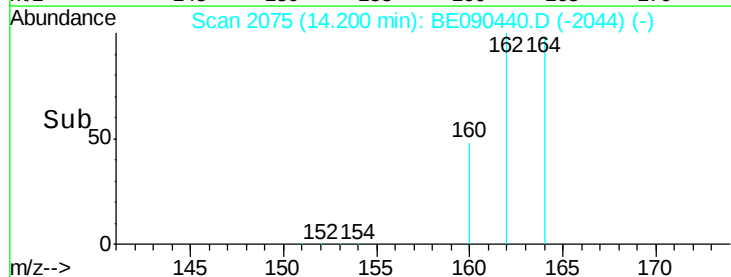
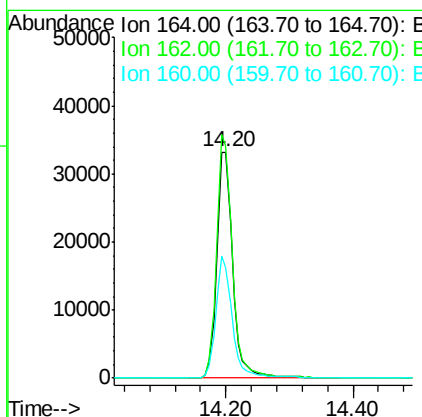
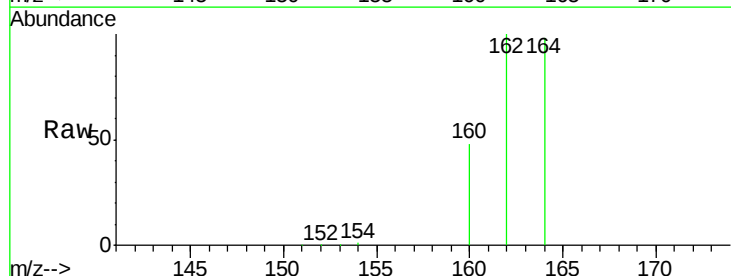
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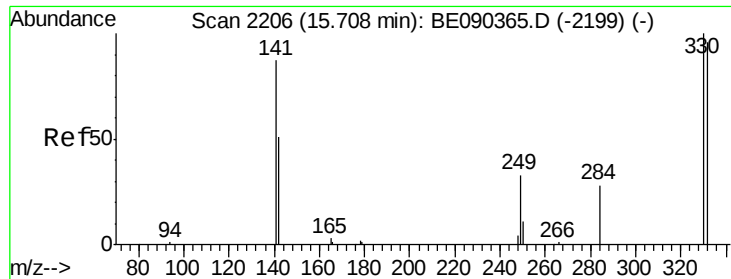
Tgt Ion: 225 Resp: 1
Ion Ratio Lower Upper
225 100
223 500.0 50.6 75.8#
227 100.0 50.7 76.1#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090440.D
Acq: 11 Aug 2015 22:23

Tgt Ion: 164 Resp: 57531
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.8
160 48.9 44.2 66.4

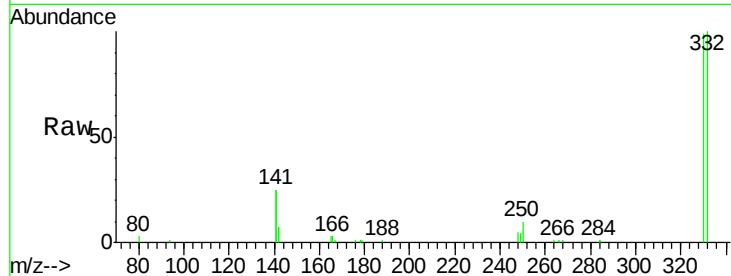




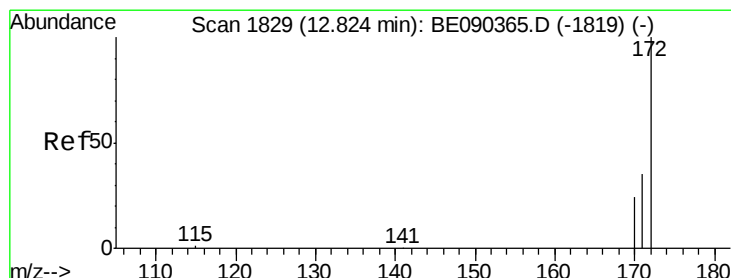
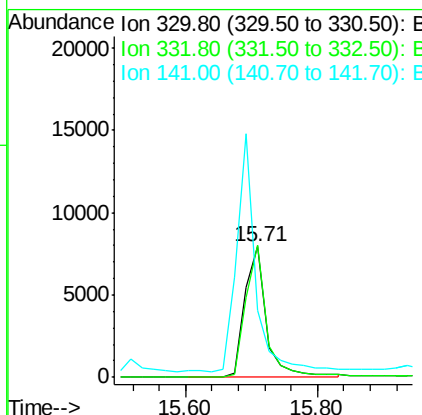
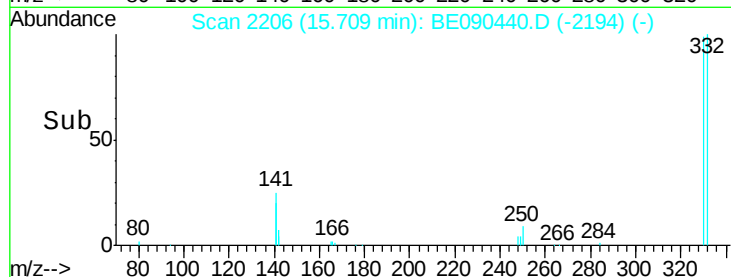
#13
 2,4,6-Tribromophenol
 Concen: 9.35 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090440.D
 Acq: 11 Aug 2015 22:23

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

Tgt Ion: 330 Resp: 17775
 Ion Ratio Lower Upper
 330 100
 332 96.6 75.8 113.6
 141 159.4 114.4 171.6

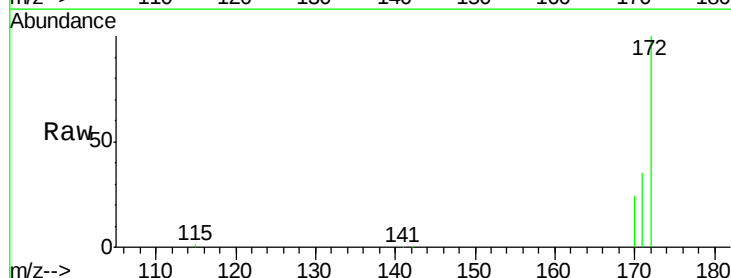


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

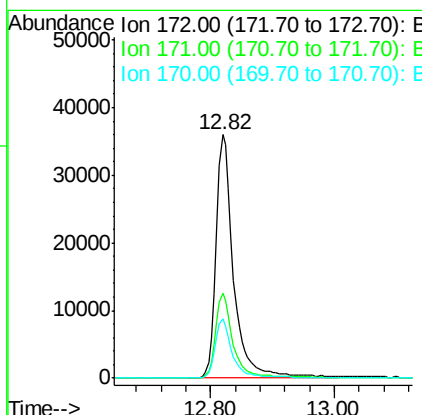
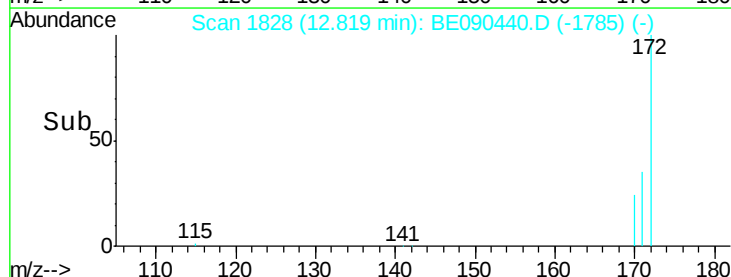


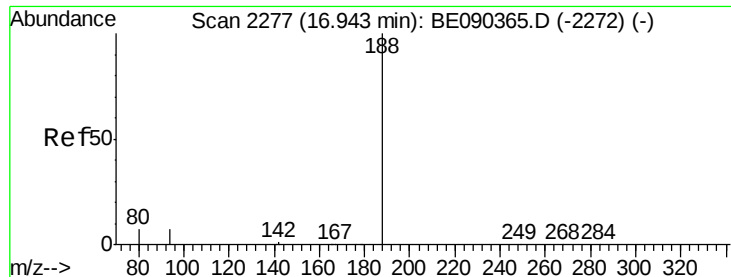
#14
 2-Fluorobiphenyl
 Concen: 4.47 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE090440.D
 Acq: 11 Aug 2015 22:23

Tgt Ion: 172 Resp: 70807
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.5 42.7
 170 24.3 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: BE090440.D

Acq: 11 Aug 2015 22:23

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-S

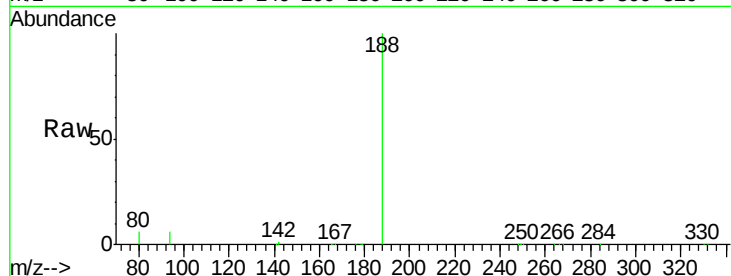
Tgt Ion:188 Resp: 133588

Ion Ratio Lower Upper

188 100

94 6.0 5.7 8.5

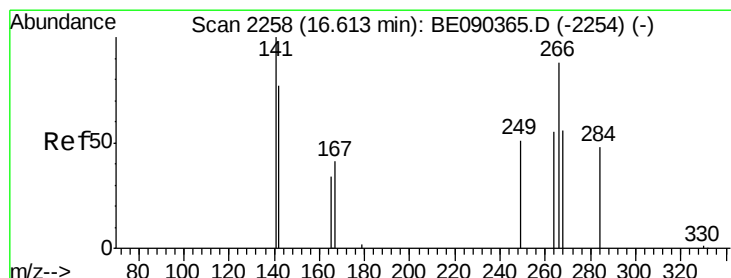
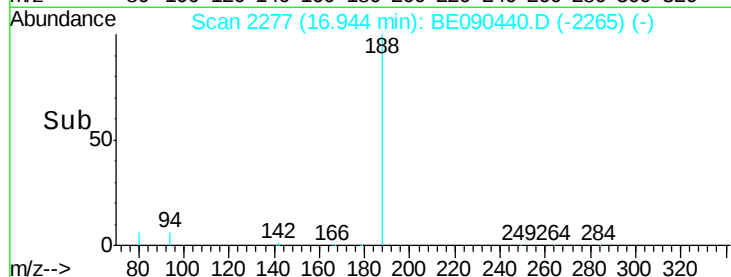
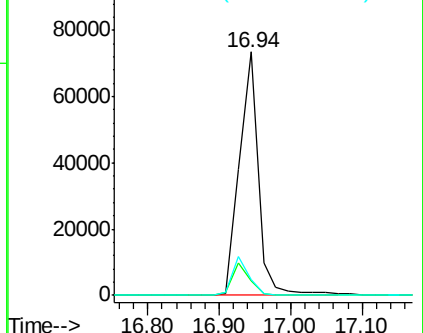
80 6.2 5.8 8.8



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: BE090440.D

Acq: 11 Aug 2015 22:23

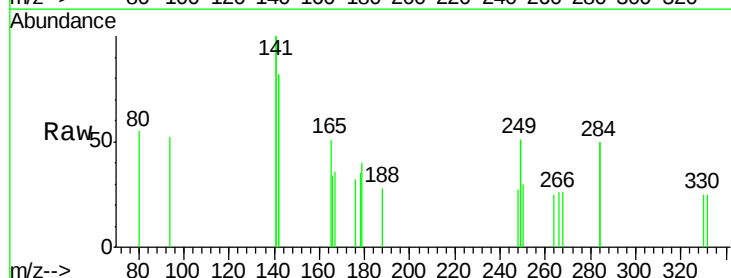
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

268 102.0 58.5 87.7#

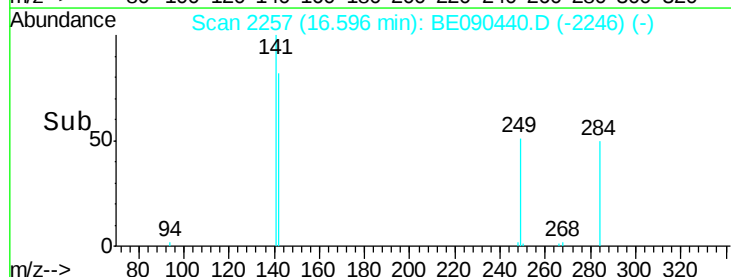
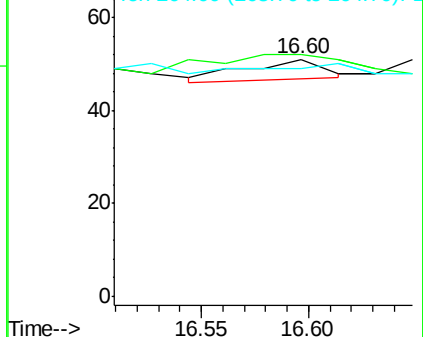
264 96.1 56.0 84.0#

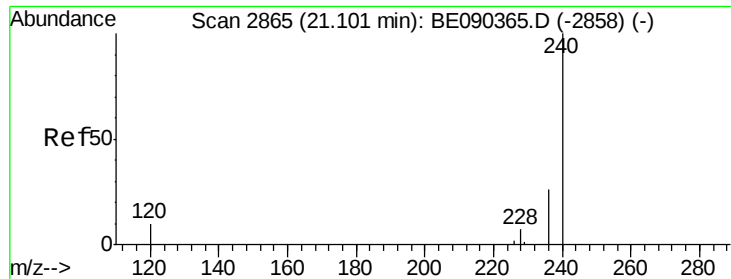


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE090440.D

Acq: 11 Aug 2015 22:23

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-S

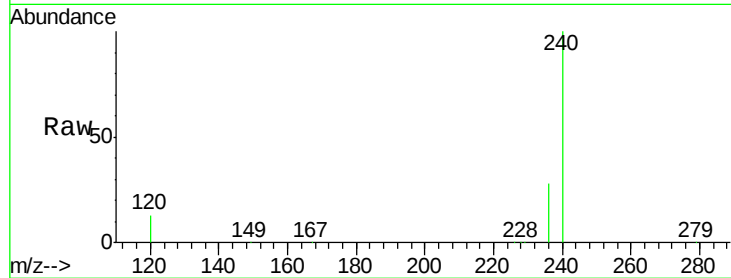
Tgt Ion:240 Resp: 157786

Ion Ratio Lower Upper

240 100

120 13.3 8.3 12.5#

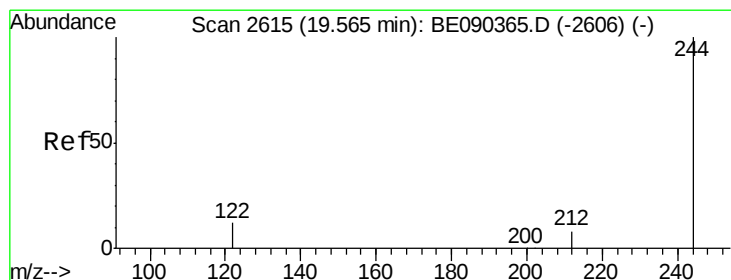
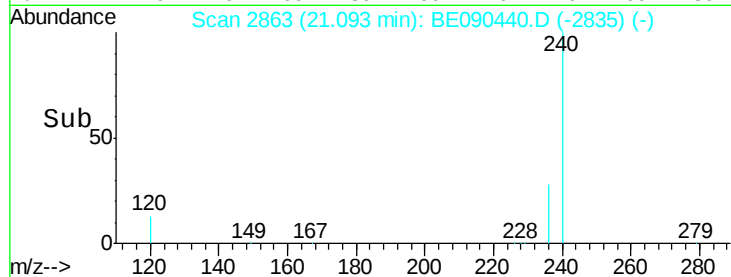
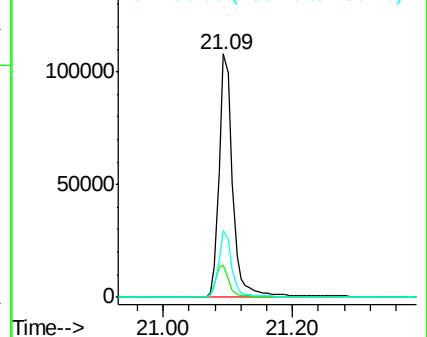
236 27.7 21.0 31.4



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: 5.46 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090440.D

Acq: 11 Aug 2015 22:23

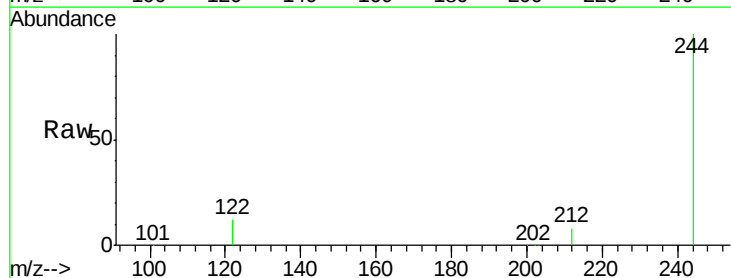
Tgt Ion:244 Resp: 126984

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

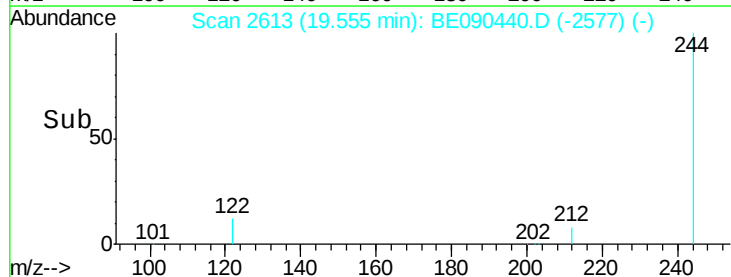
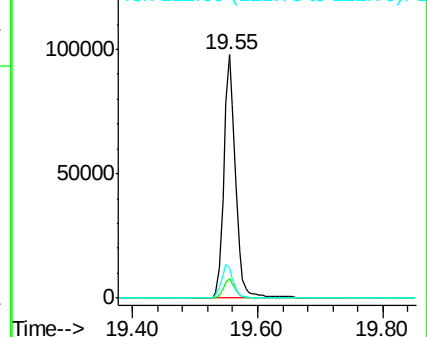
122 12.3 10.2 15.4

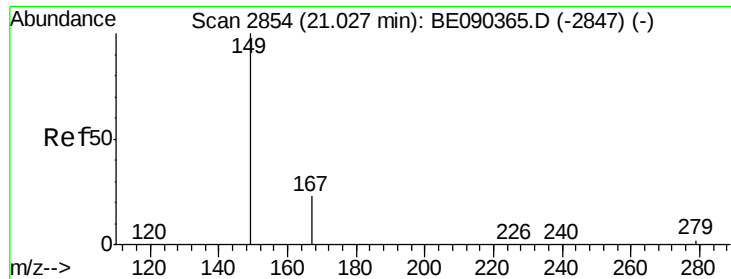


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.41 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090440.D

Acq: 11 Aug 2015 22:23

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-S

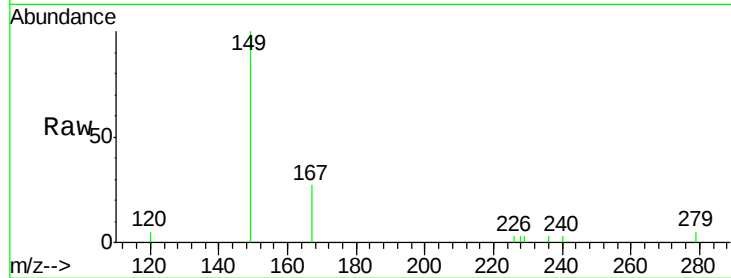
Tgt Ion:149 Resp: 2583

Ion Ratio Lower Upper

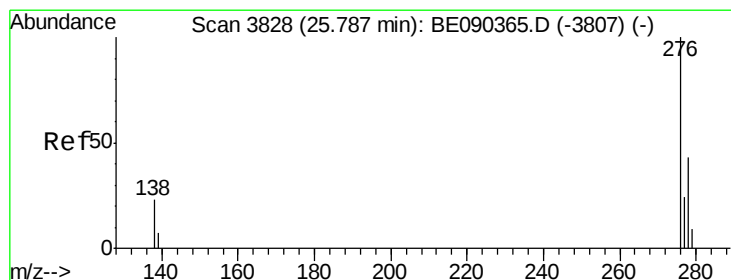
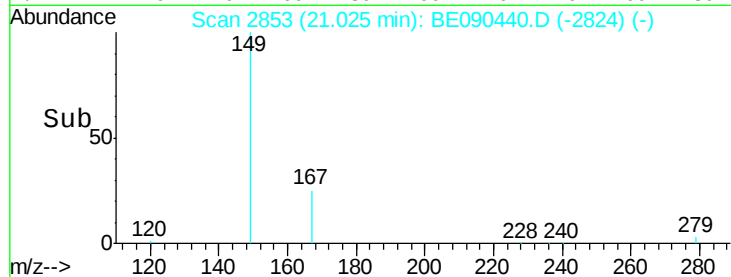
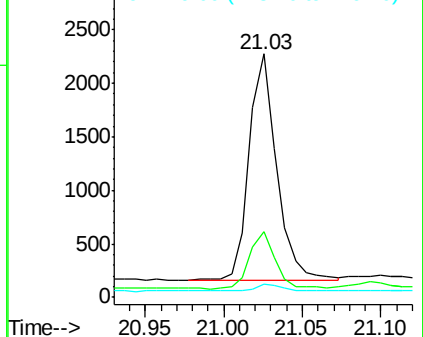
149 100

167 23.7 19.8 29.8

279 2.9 2.4 3.6



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



#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: BE090440.D

Acq: 11 Aug 2015 22:23

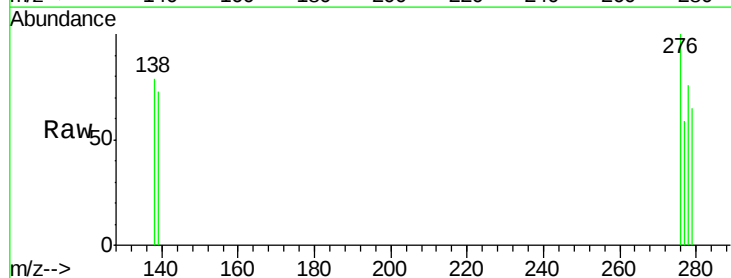
Tgt Ion:276 Resp: 200

Ion Ratio Lower Upper

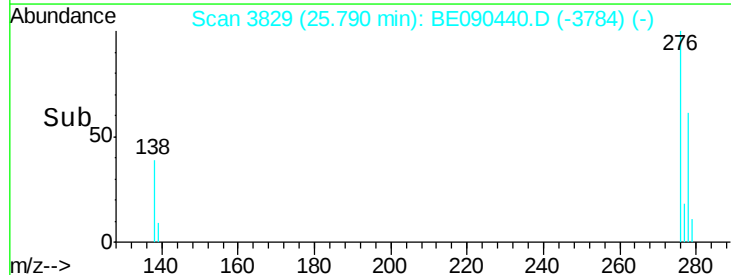
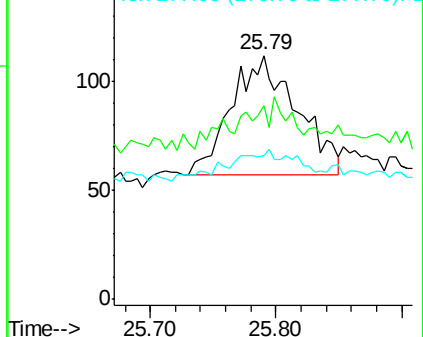
276 100

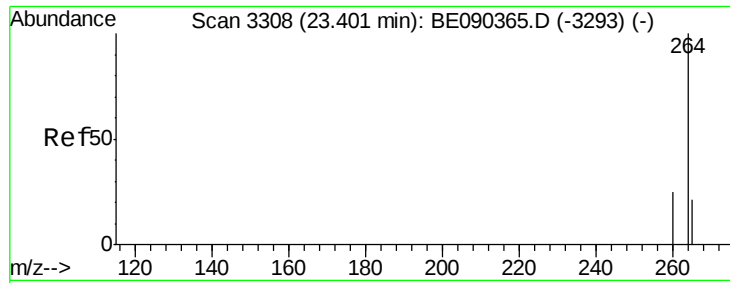
138 3.5 18.8 28.2#

277 14.0 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

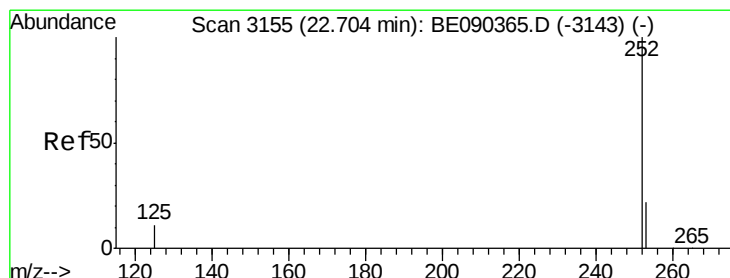
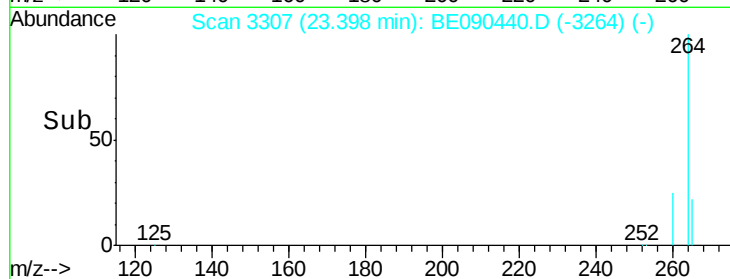
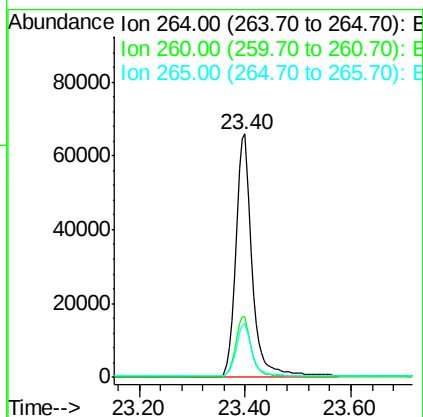
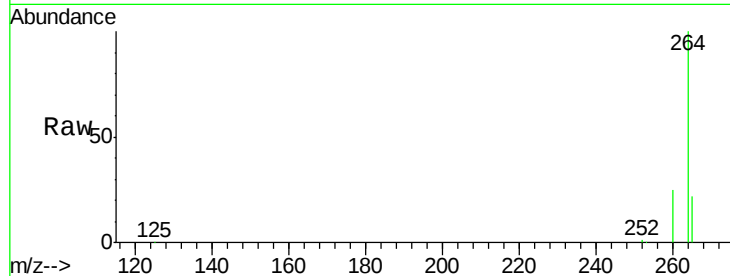




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090440.D
 Acq: 11 Aug 2015 22:23

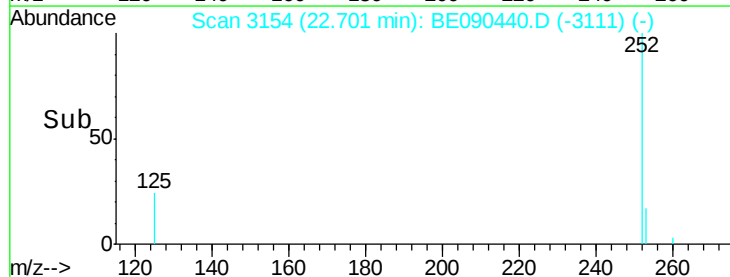
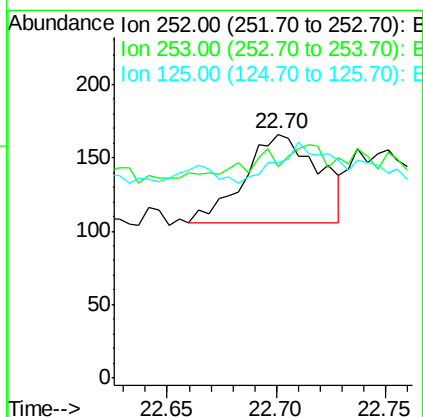
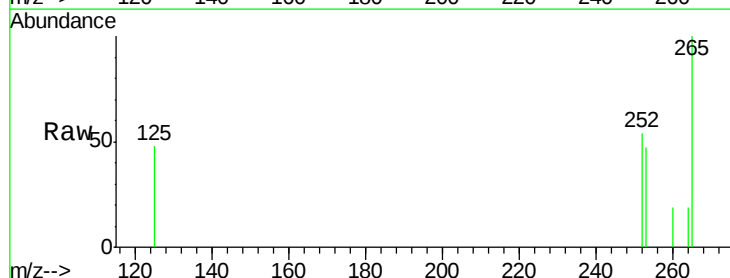
Instrument :
 BNA_E
 ClientSampleId :
 081015-D506-F-D-S

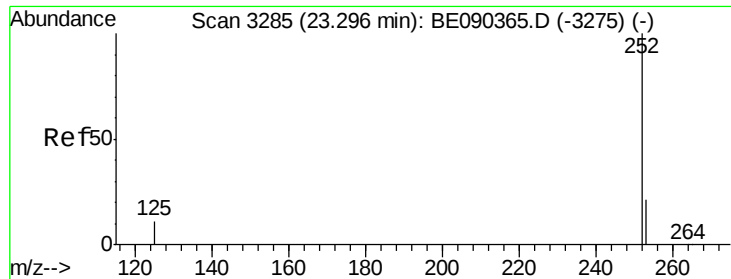
Tgt Ion:264 Resp: 142975
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.1 30.1
 265 22.0 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE090440.D
 Acq: 11 Aug 2015 22:23

Tgt Ion:252 Resp: 142
 Ion Ratio Lower Upper
 252 100
 253 86.7 18.1 27.1#
 125 88.6 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3283

Delta R.T. -0.01 min

Lab File: BE090440.D

Acq: 11 Aug 2015 22:23

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-D-S

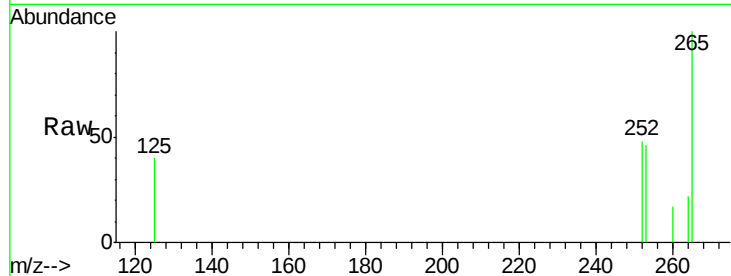
Tgt Ion:252 Resp: 111

Ion Ratio Lower Upper

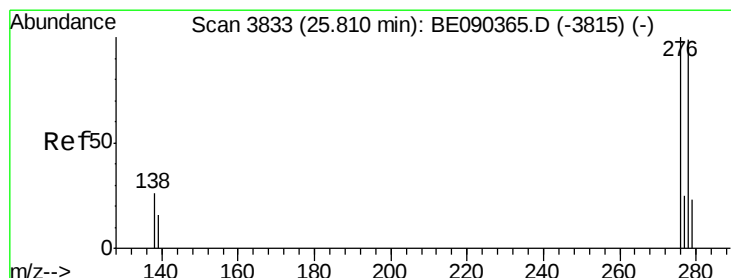
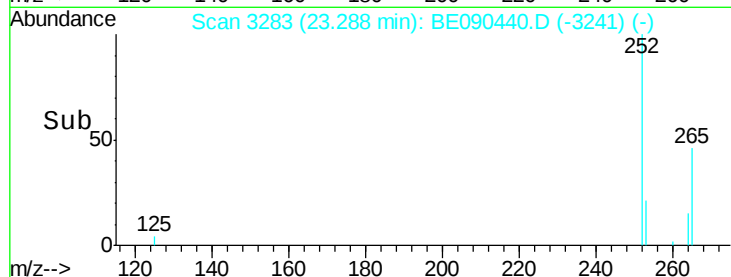
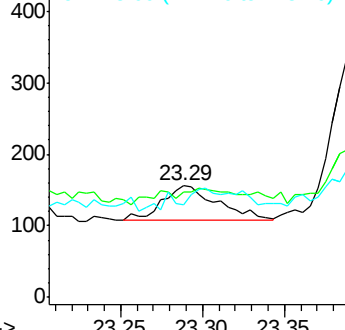
252 100

253 94.9 17.6 26.4#

125 82.7 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: BE090440.D

Acq: 11 Aug 2015 22:23

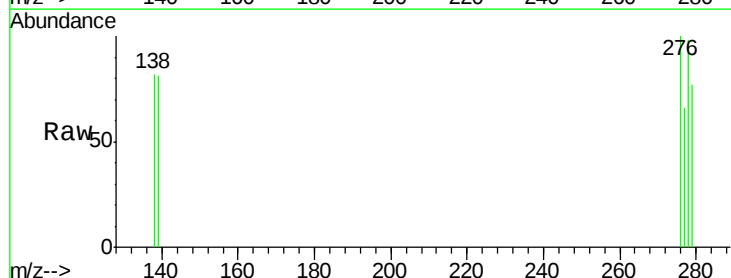
Tgt Ion:278 Resp: 141

Ion Ratio Lower Upper

278 100

139 82.7 14.2 21.4#

279 78.6 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

