

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090375.D
 Acq On : 6 Aug 2015 00:42
 Operator : TP/UM
 Sample : G3180-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-F-U-S

Quant Time: Aug 06 02:35:31 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 02:22:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	21059	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	93477	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	52792	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	125729	5.00	ng	0.00
25) Chrysene-d12	21.10	240	152402	5.00	ng	0.00
32) Perylene-d12	23.40	264	138998	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	10868	2.91	ng	0.00
5) Phenol-d6	6.77	99	8970	1.52	ng	0.00
7) Nitrobenzene-d5	8.73	82	26630	3.56	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	11029	7.18	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	66564	4.58	ng	0.00
27) Terphenyl-d14	19.56	244	124152	5.53	ng	0.00

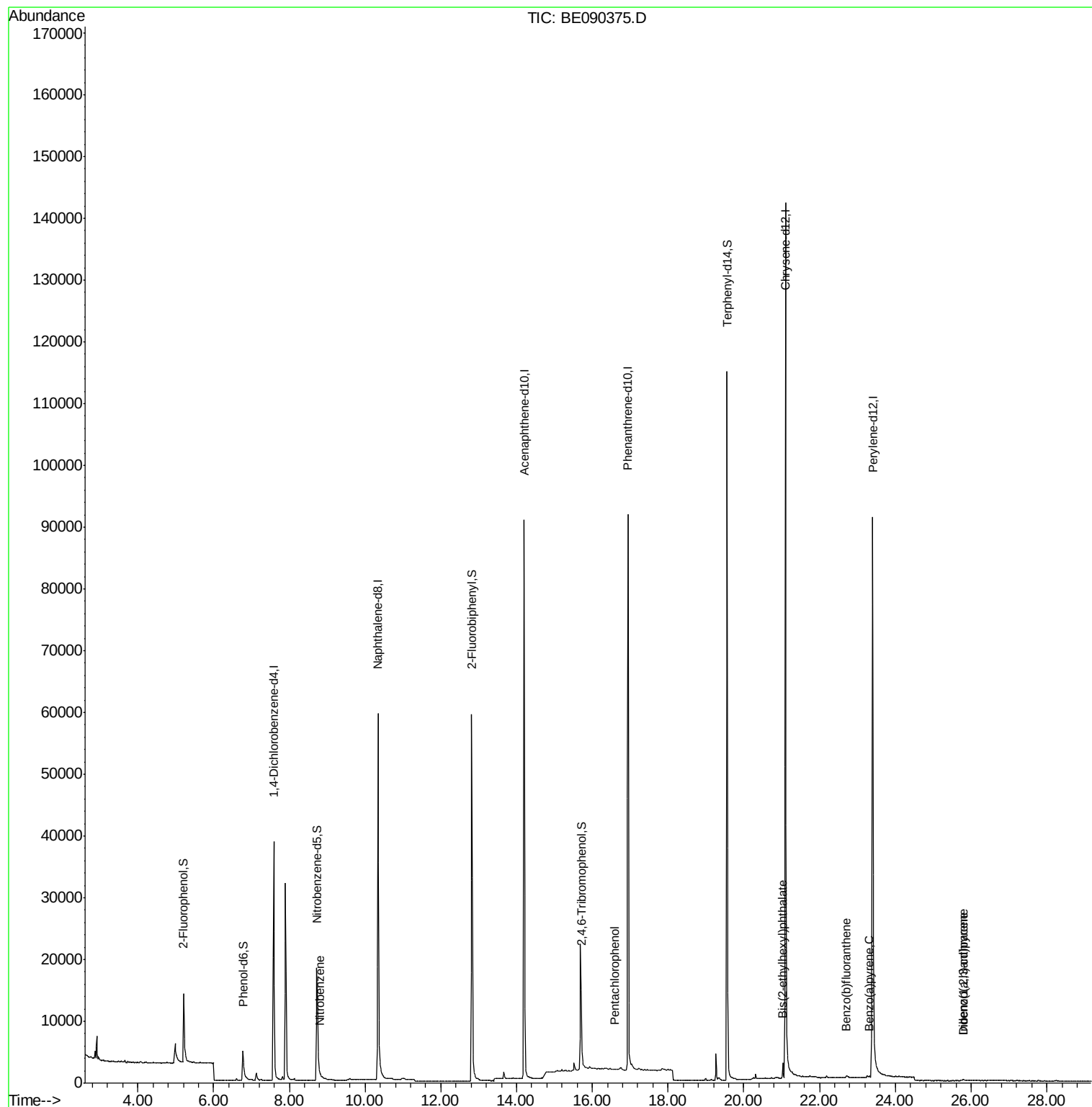
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	45	Below Cal	#	1
8) Nitrobenzene	8.80	77	12	0.21 ng	#	37
10) Hexachlorobutadiene	10.71	225	2	Below Cal	#	19
21) Pentachlorophenol	16.60	266	15	0.09 ng	#	69
30) Bis(2-ethylhexyl)phthalate	21.02	149	2291	0.39 ng	#	98
31) Indeno(1,2,3-cd)pyrene	25.79	276	323	0.26 ng	#	65
33) Benzo(b)fluoranthene	22.71	252	292	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	214	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	269	0.29 ng	#	1

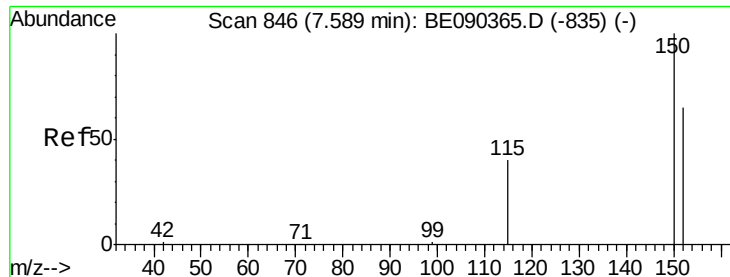
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-S

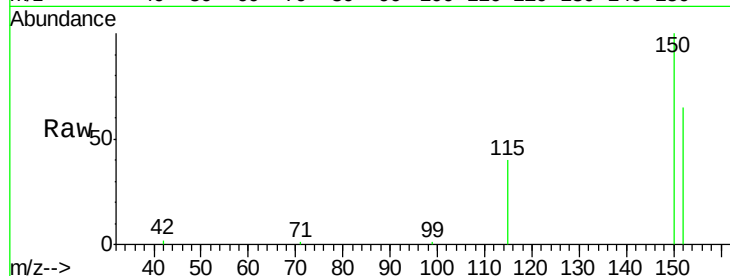
Tgt Ion:152 Resp: 21059

Ion Ratio Lower Upper

152 100

150 154.0 123.0 184.4

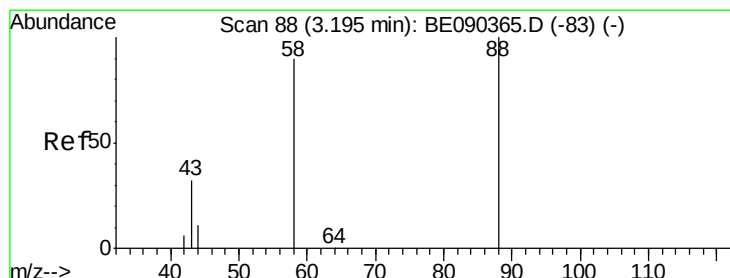
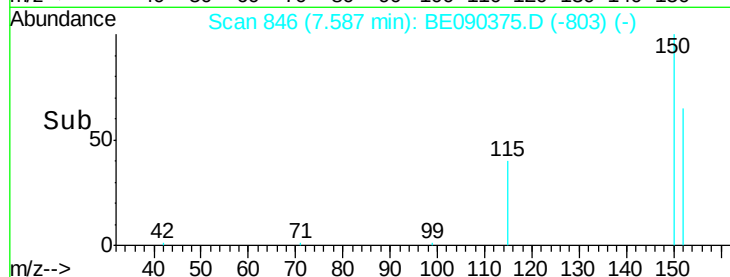
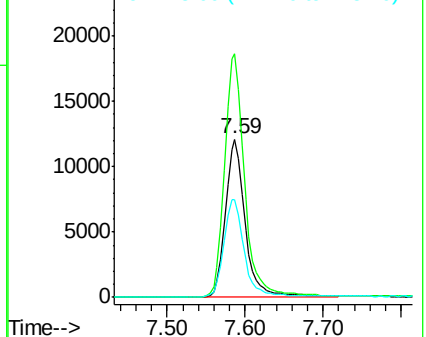
115 62.0 48.9 73.3



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.30 min Scan# 103

Delta R.T. 0.10 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

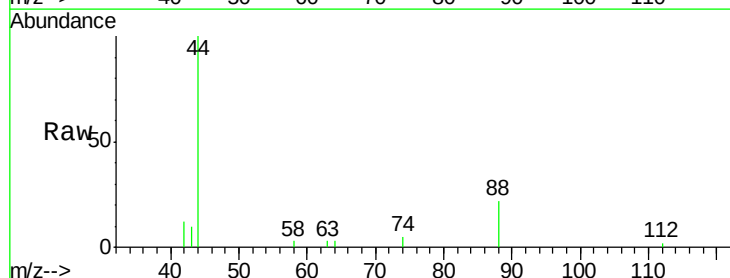
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

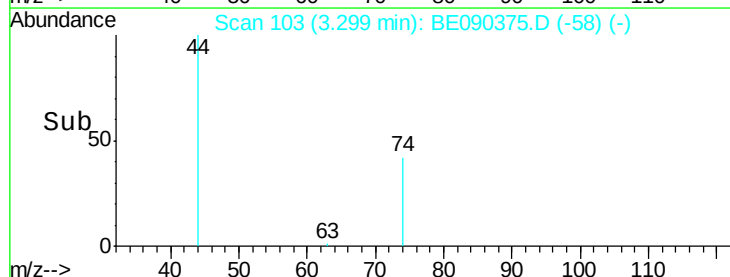
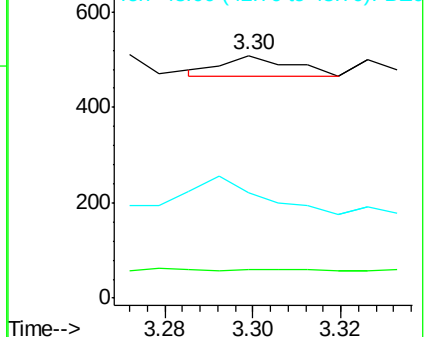
43 262.2 28.4 42.6#

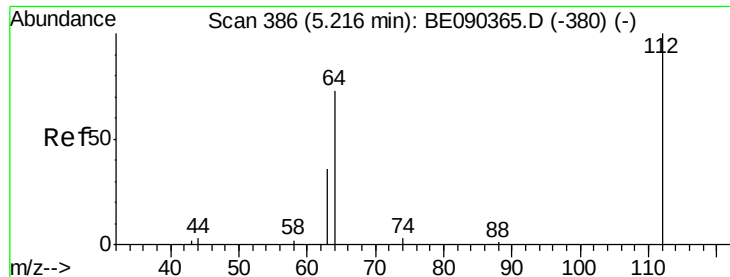


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 2.91 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-S

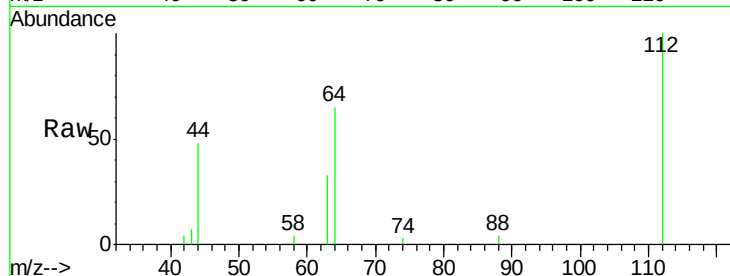
Tgt Ion:112 Resp: 10868

Ion Ratio Lower Upper

112 100

64 70.4 37.1 55.7#

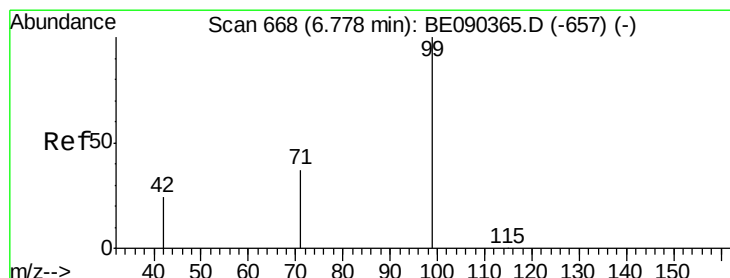
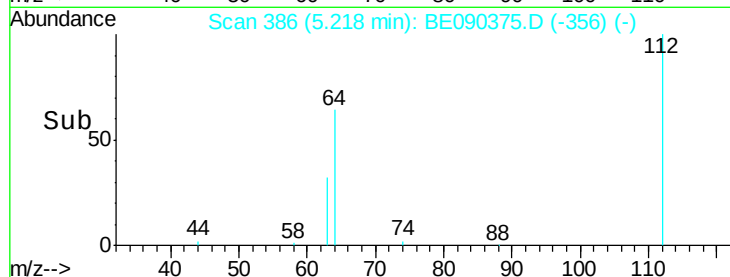
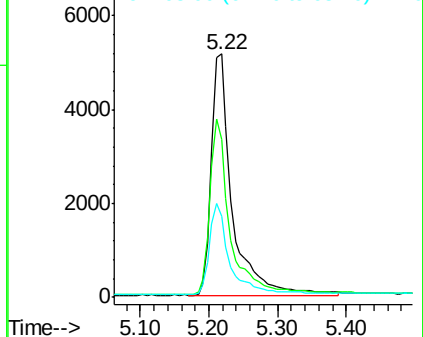
63 36.4 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.52 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

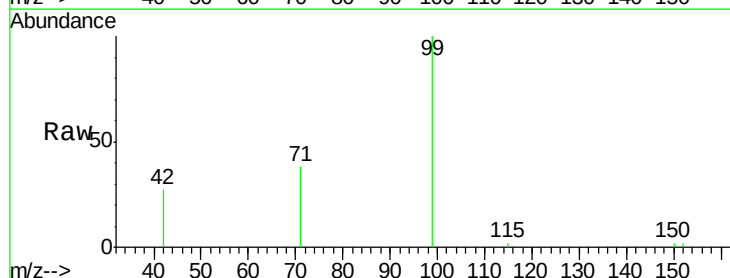
Tgt Ion: 99 Resp: 8970

Ion Ratio Lower Upper

99 100

42 21.7 18.2 27.4

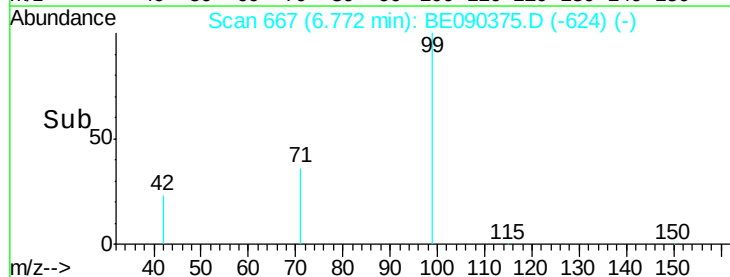
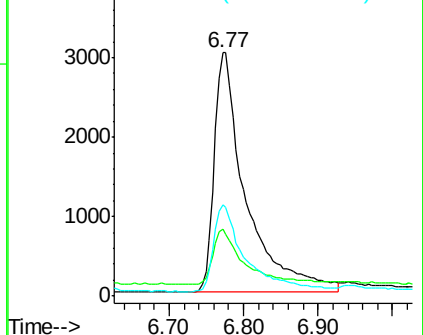
71 36.7 27.4 41.0

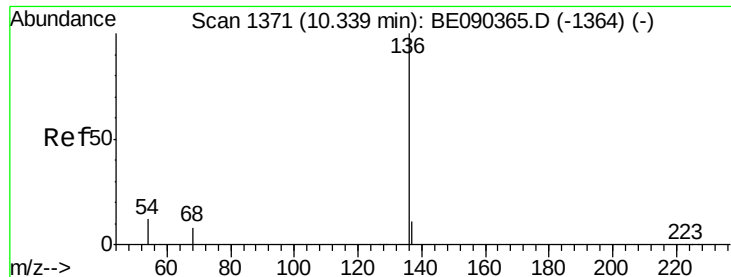


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

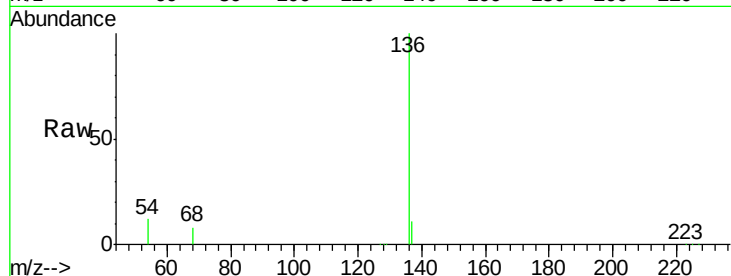




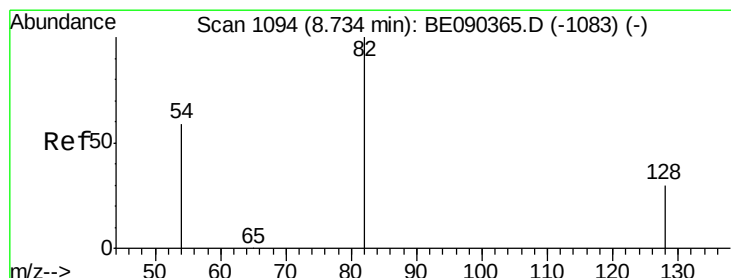
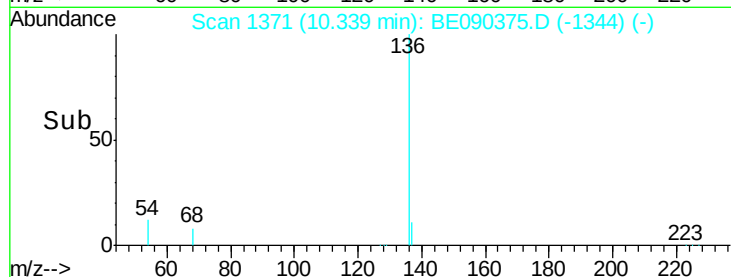
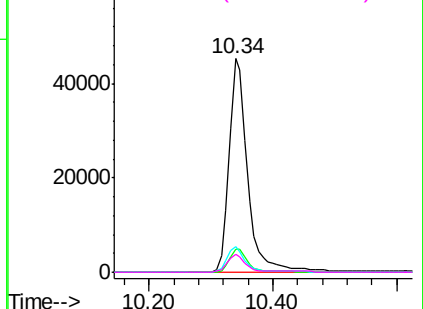
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090375.D
Acq: 6 Aug 2015 00:42

Instrument :
BNA_E
ClientSampleId :
080315-D506-F-U-S

Tgt Ion:	136	Resp:	93477
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	12.1	9.4	14.0
68	8.4	6.5	9.7

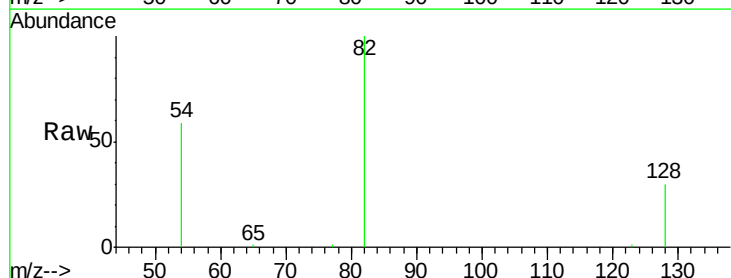


Abundance Ion 136.00 (135.70 to 136.70): BE090375.D (-1364) (-)

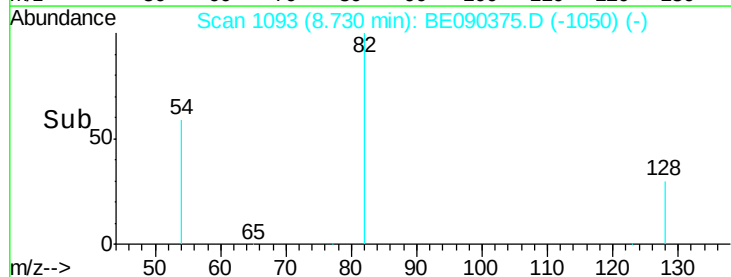
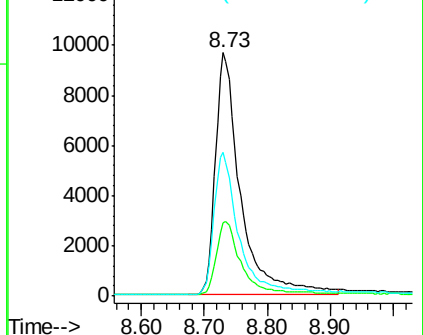


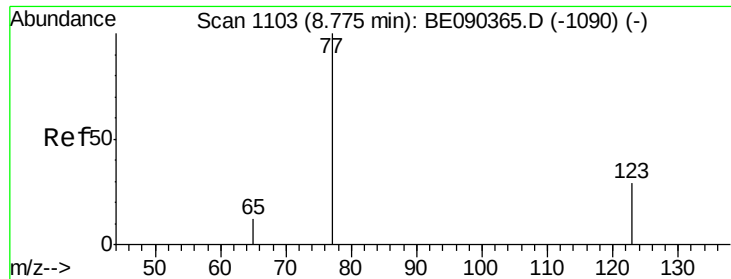
#7
Nitrobenzene-d5
Concen: 3.56 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090375.D
Acq: 6 Aug 2015 00:42

Tgt Ion:	82	Resp:	26630
Ion	Ratio	Lower	Upper
82	100		
128	30.2	25.0	37.6
54	59.2	48.8	73.2



Abundance Ion 82.00 (81.70 to 82.70): BE090375.D (-1050) (-)





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.80 min Scan# 1109

Delta R.T. 0.03 min

Lab File: BE090375.D

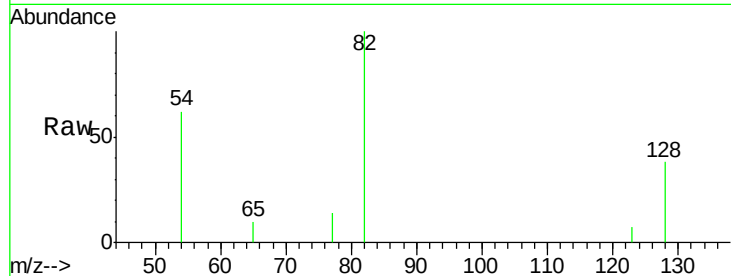
Acq: 6 Aug 2015 00:42

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-S



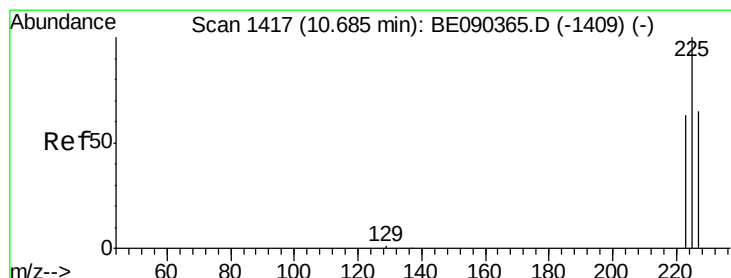
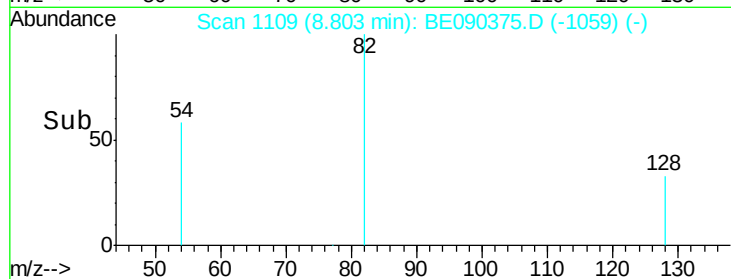
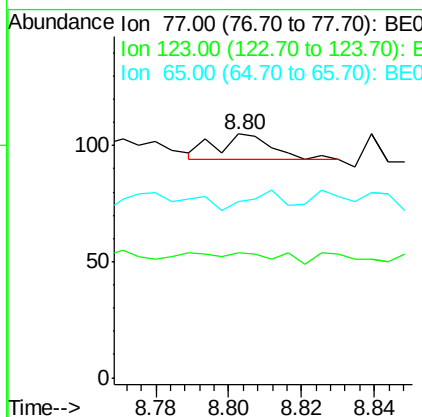
Tgt Ion: 77 Resp: 12

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

65 41.7 9.3 13.9#



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.71 min Scan# 1420

Delta R.T. 0.02 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

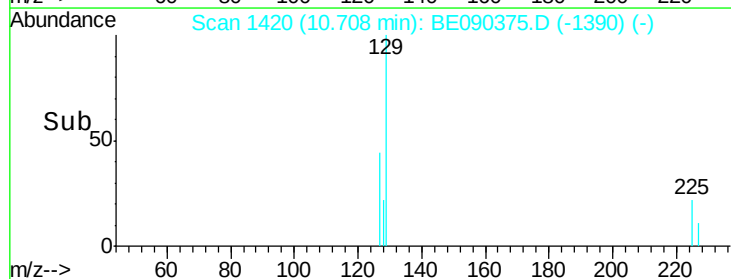
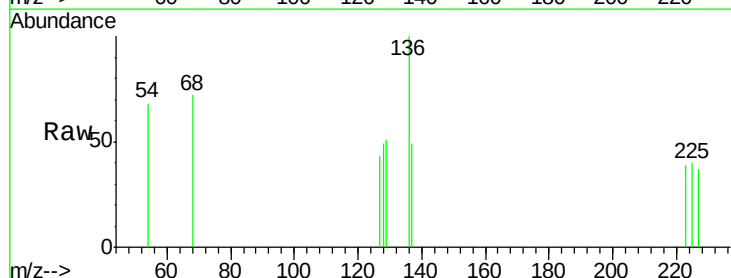
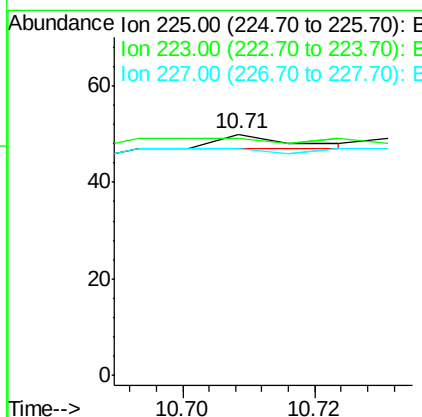
Tgt Ion: 225 Resp: 2

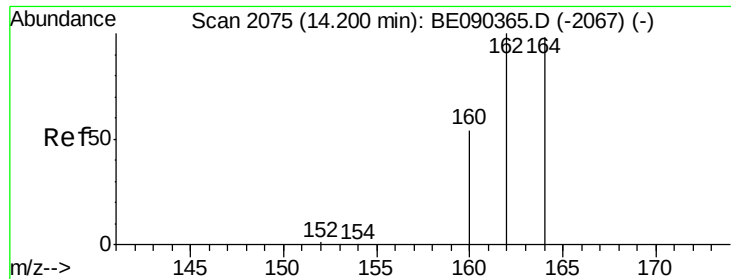
Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

227 0.0 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: BE090375.D

Acq: 6 Aug 2015 00:42

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-S

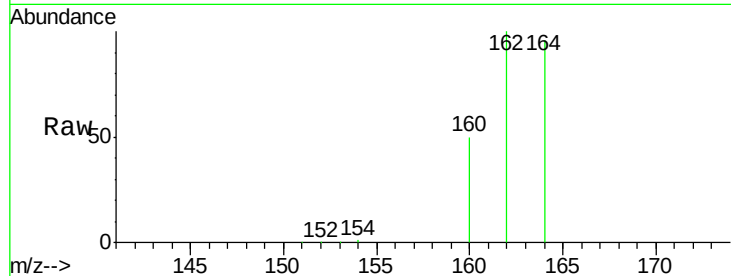
Tgt Ion:164 Resp: 52792

Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.8

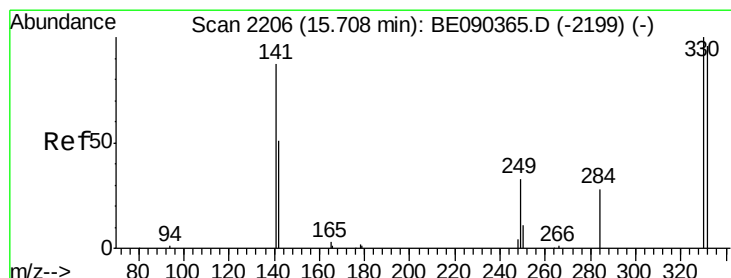
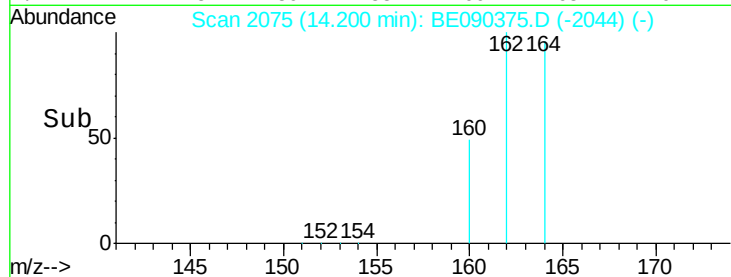
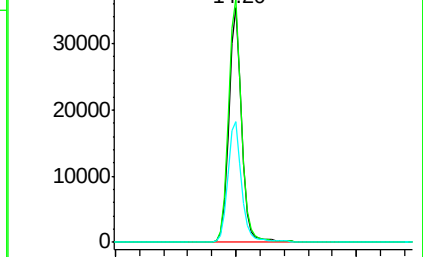
160 51.5 44.2 66.4



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: 7.18 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

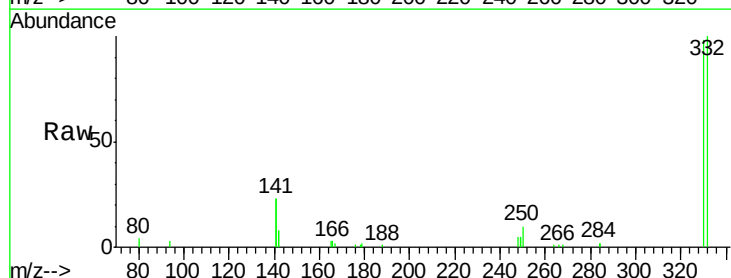
Tgt Ion:330 Resp: 11029

Ion Ratio Lower Upper

330 100

332 95.8 75.8 113.6

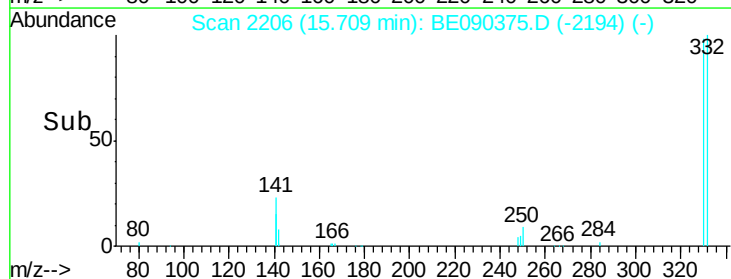
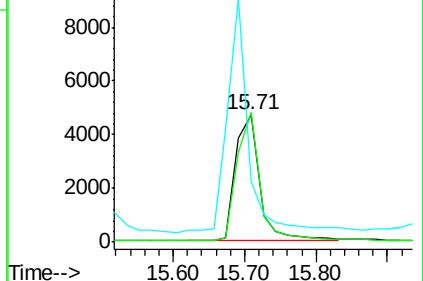
141 155.8 114.4 171.6

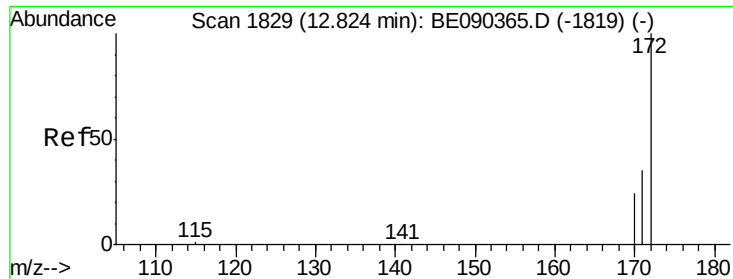


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

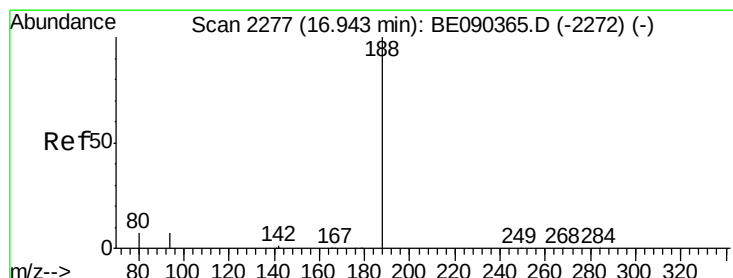
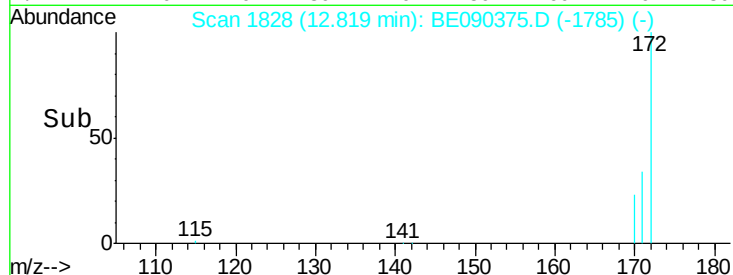
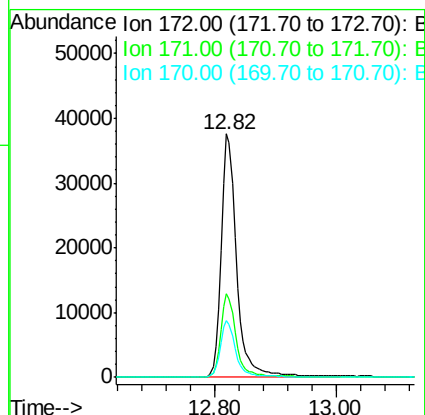
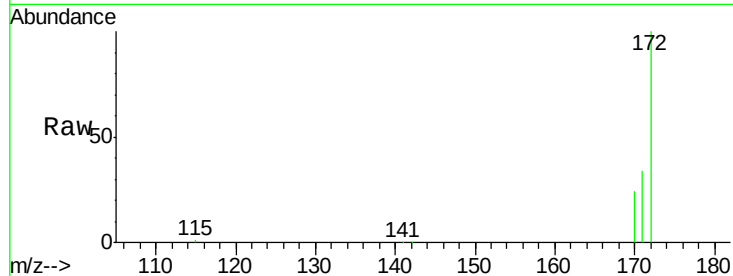




#14
2-Fluorobiphenyl
Concen: 4.58 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090375.D
Acq: 6 Aug 2015 00:42

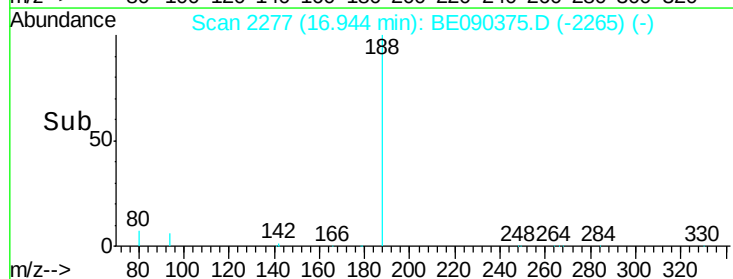
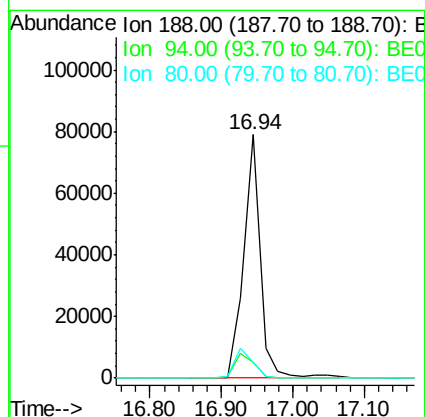
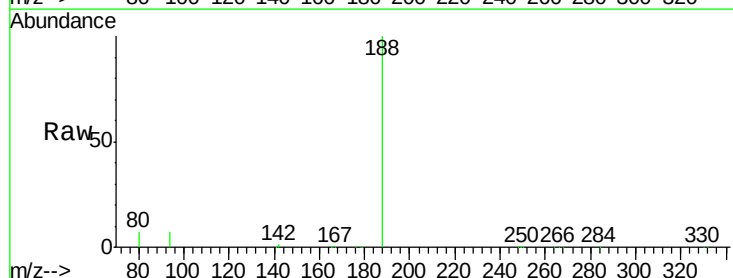
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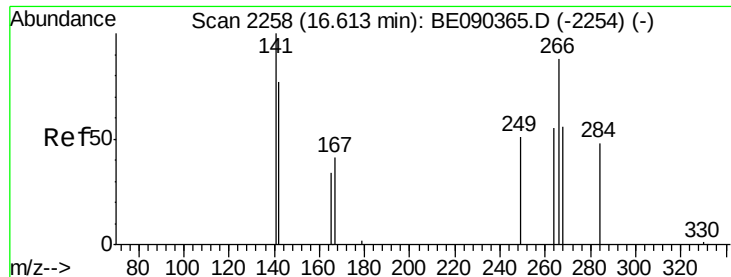
Tgt Ion:172 Resp: 66564
Ion Ratio Lower Upper
172 100
171 34.1 28.5 42.7
170 23.6 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090375.D
Acq: 6 Aug 2015 00:42

Tgt Ion:188 Resp: 125729
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 6.7 5.8 8.8





#21

Pentachlorophenol

Concen: 0.09 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-S

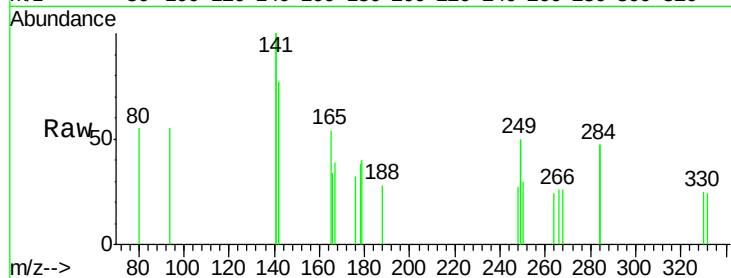
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

268 101.9 58.5 87.7#

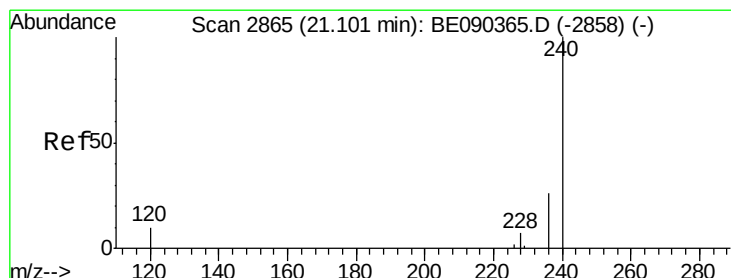
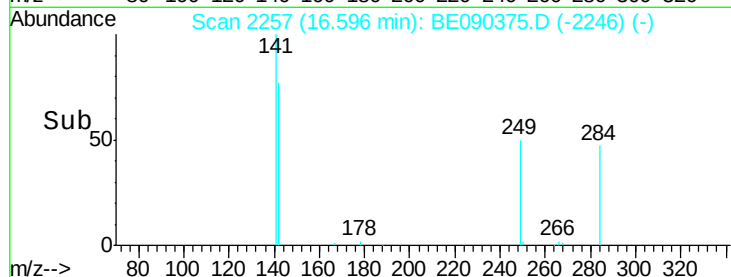
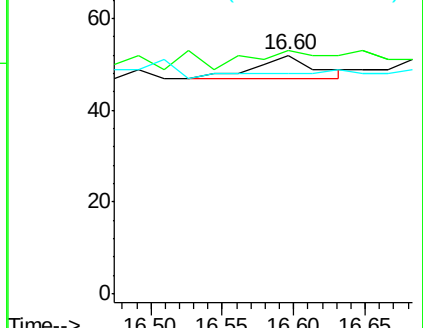
264 92.3 56.0 84.0#



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: 21.10 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

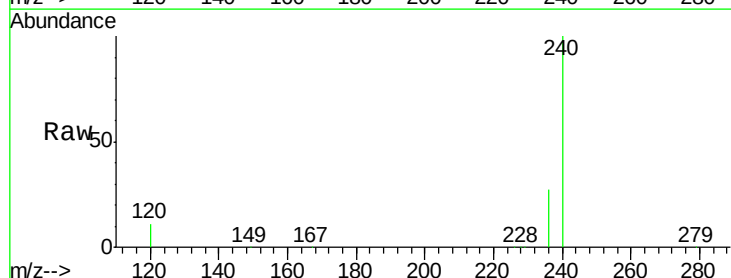
Tgt Ion:240 Resp: 152402

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

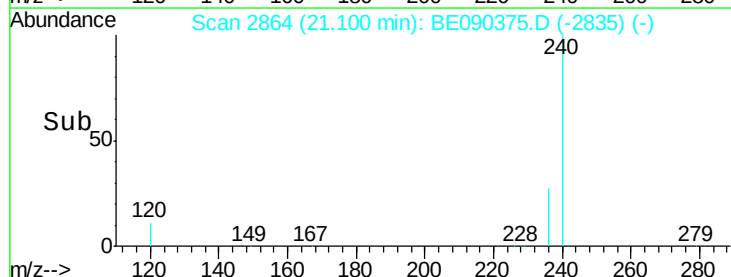
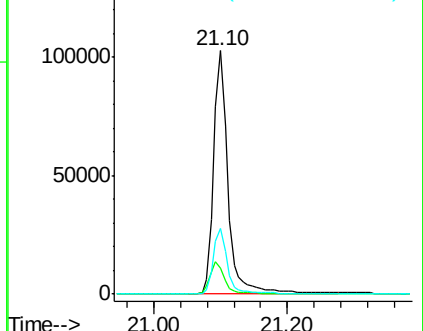
236 26.9 21.0 31.4

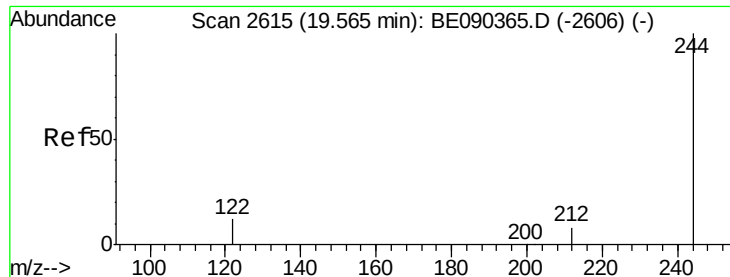


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

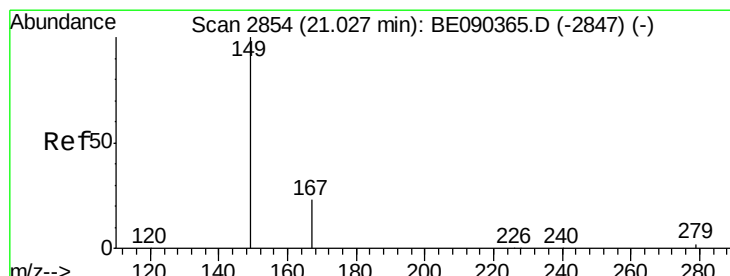
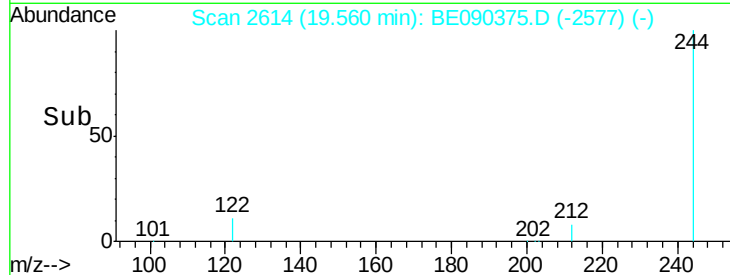
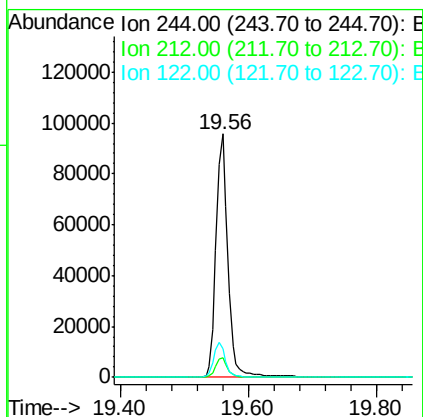
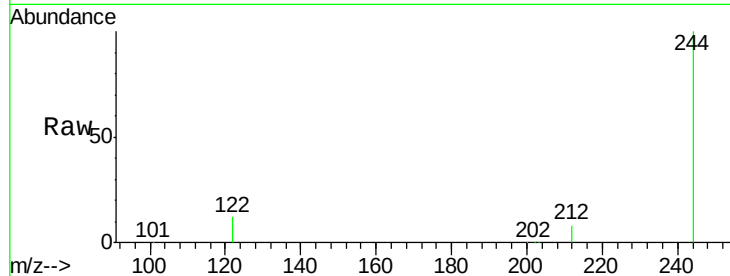




#27
 Terphenyl-d14
 Concen: 5.53 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090375.D
 Acq: 6 Aug 2015 00:42

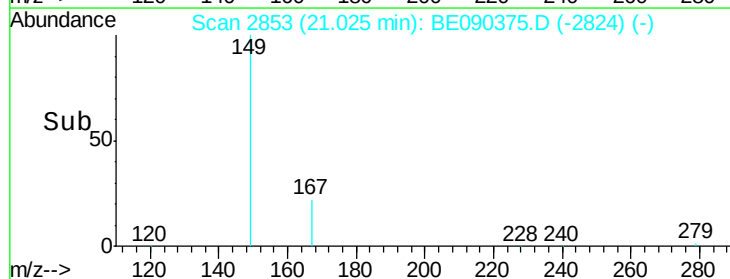
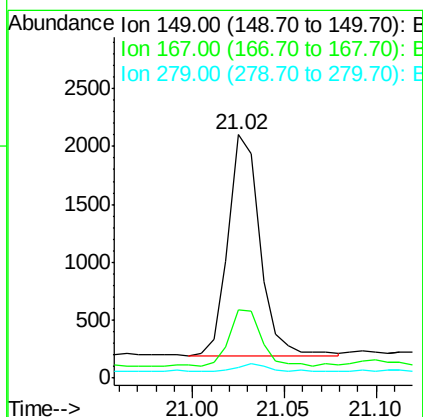
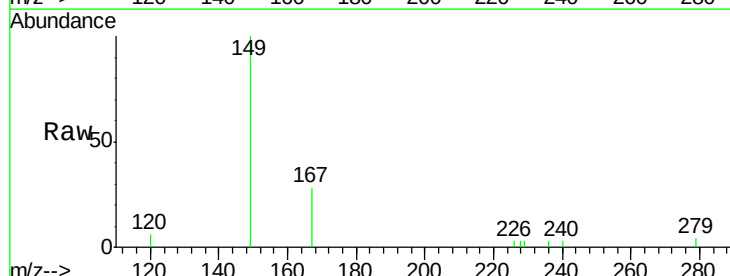
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-F-U-S

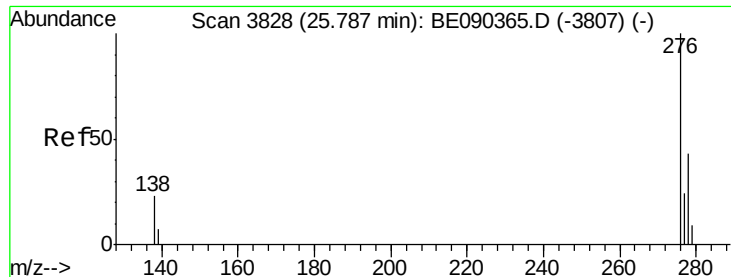
Tgt Ion: 244 Resp: 124152
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 11.5 10.2 15.4



#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.39 ng
 RT: 21.02 min Scan# 2853
 Delta R.T. -0.00 min
 Lab File: BE090375.D
 Acq: 6 Aug 2015 00:42

Tgt Ion: 149 Resp: 2291
 Ion Ratio Lower Upper
 149 100
 167 26.2 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: BE090375.D

Acq: 6 Aug 2015 00:42

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-S

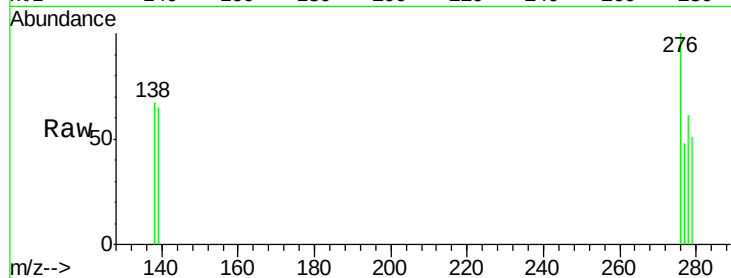
Tgt Ion:276 Resp: 323

Ion Ratio Lower Upper

276 100

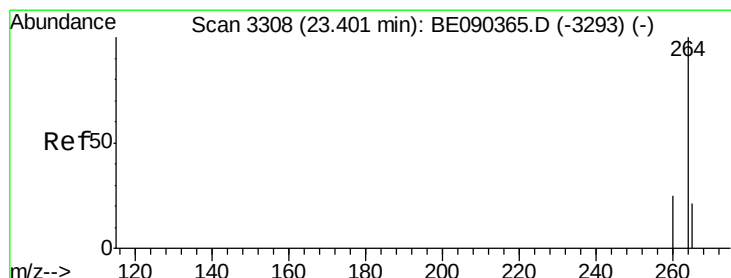
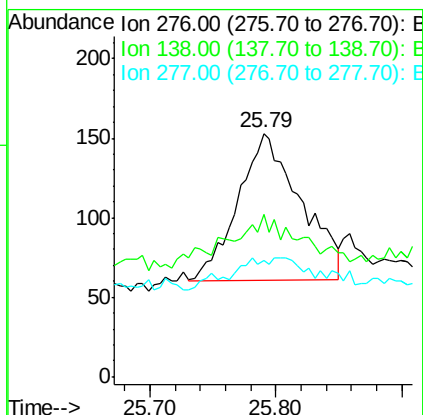
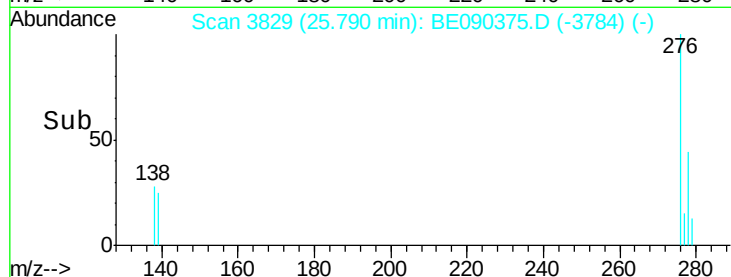
138 8.4 18.8 28.2#

277 4.0 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

25.79



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3308

Delta R.T. 0.00 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

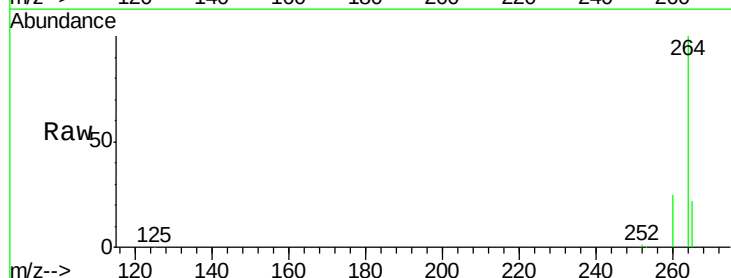
Tgt Ion:264 Resp: 138998

Ion Ratio Lower Upper

264 100

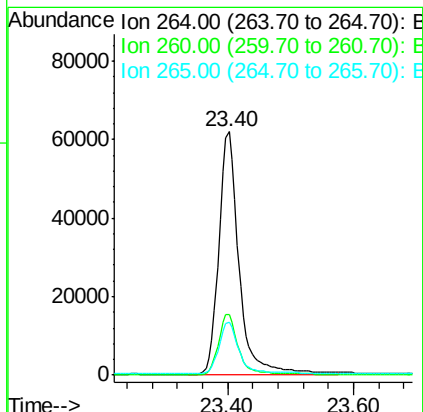
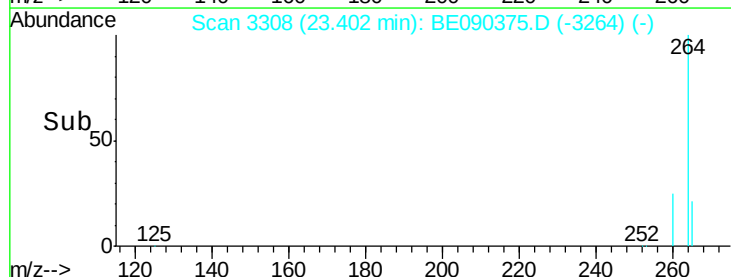
260 24.7 20.1 30.1

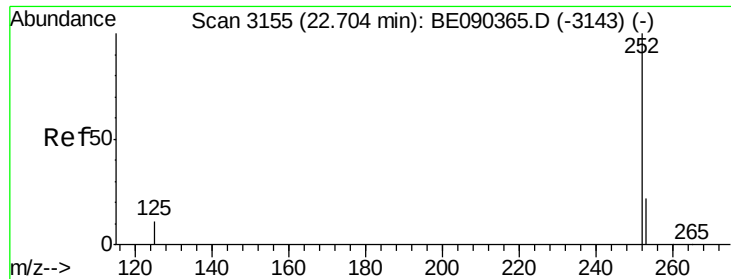
265 21.7 17.2 25.8



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

23.40





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.71 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-S

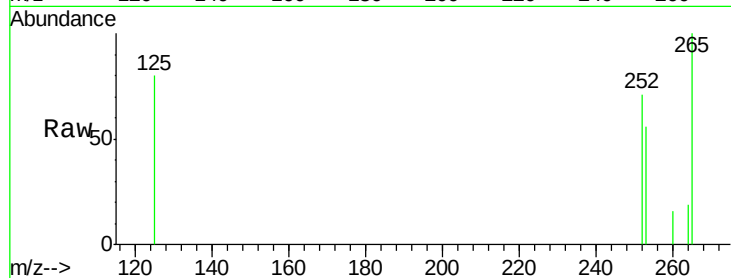
Tgt Ion: 252 Resp: 292

Ion Ratio Lower Upper

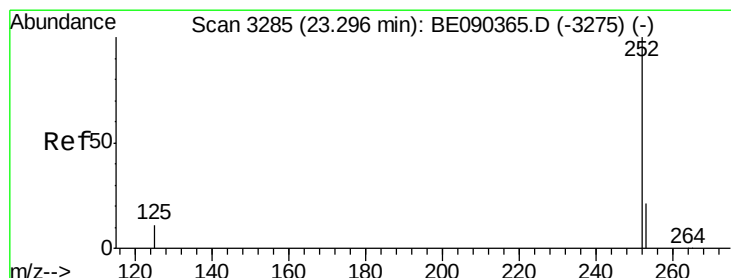
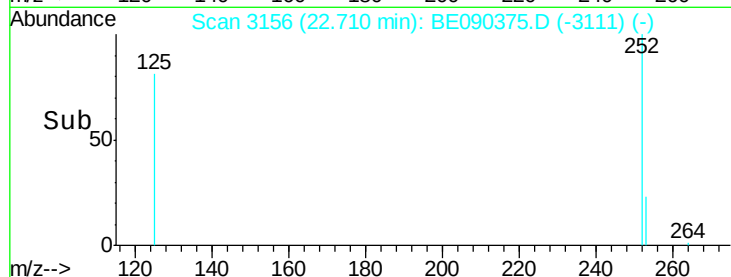
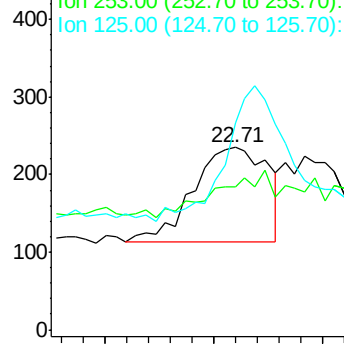
252 100

253 78.7 18.1 27.1#

125 113.2 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# 3286

Delta R.T. 0.01 min

Lab File: BE090375.D

Acq: 6 Aug 2015 00:42

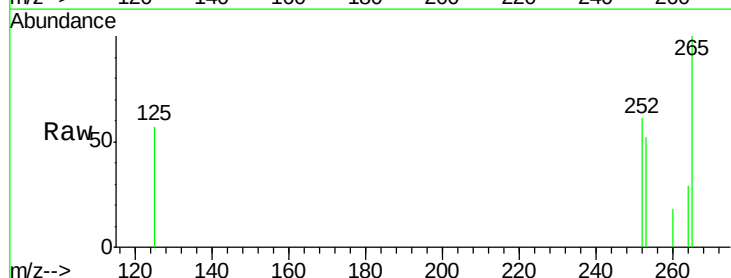
Tgt Ion: 252 Resp: 214

Ion Ratio Lower Upper

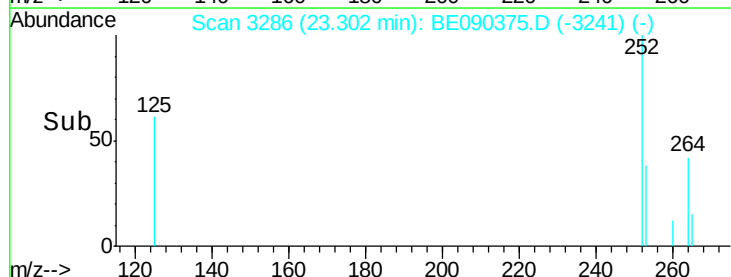
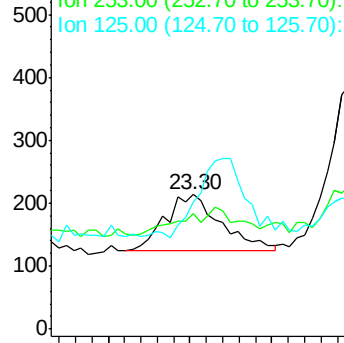
252 100

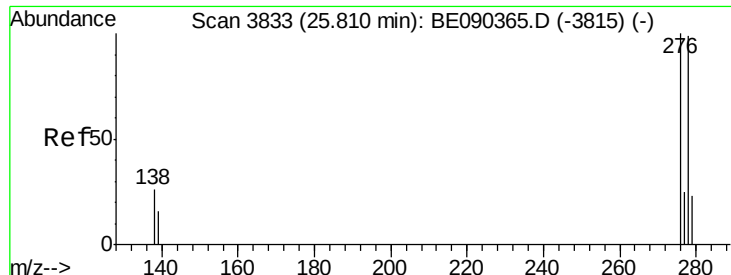
253 86.0 17.6 26.4#

125 93.9 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: BE090375.D

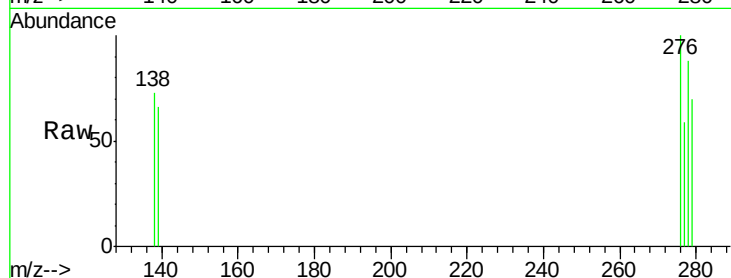
Acq: 6 Aug 2015 00:42

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-S



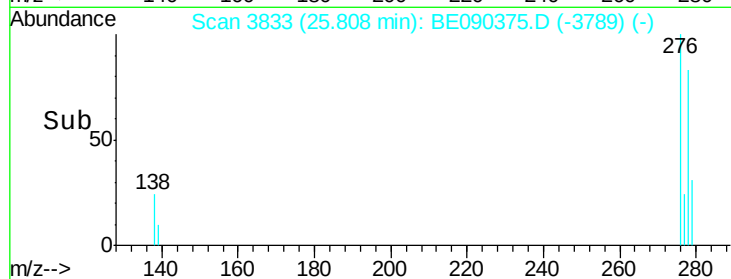
Tgt Ion: 278 Resp: 269

Ion Ratio Lower Upper

278 100

139 74.3 14.2 21.4#

279 78.8 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

25.81

100

50

0

Time-->