

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090215\
 Data File : BE090708.D
 Acq On : 2 Sep 2015 17:21
 Operator : UM/IZ
 Sample : G3484-05MSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW01-082815MSD

Quant Time: Sep 02 23:05:42 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 23:04:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	46073	5.00	ng	0.00
6) Naphthalene-d8	10.30	136	218899	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	117562	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	282358	5.00	ng	0.00
25) Chrysene-d12	21.07	240	350413	5.00	ng	0.00
32) Perylene-d12	23.36	264	336201	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	46971	5.24	ng	0.00
5) Phenol-d6	6.75	99	51019	3.98	ng	-0.01
7) Nitrobenzene-d5	8.69	82	65220	4.51	ng	-0.02
13) 2,4,6-Tribromophenol	15.67	330	53707	15.41	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	153118	4.70	ng	-0.01
27) Terphenyl-d14	19.53	244	334396	8.63	ng	0.00

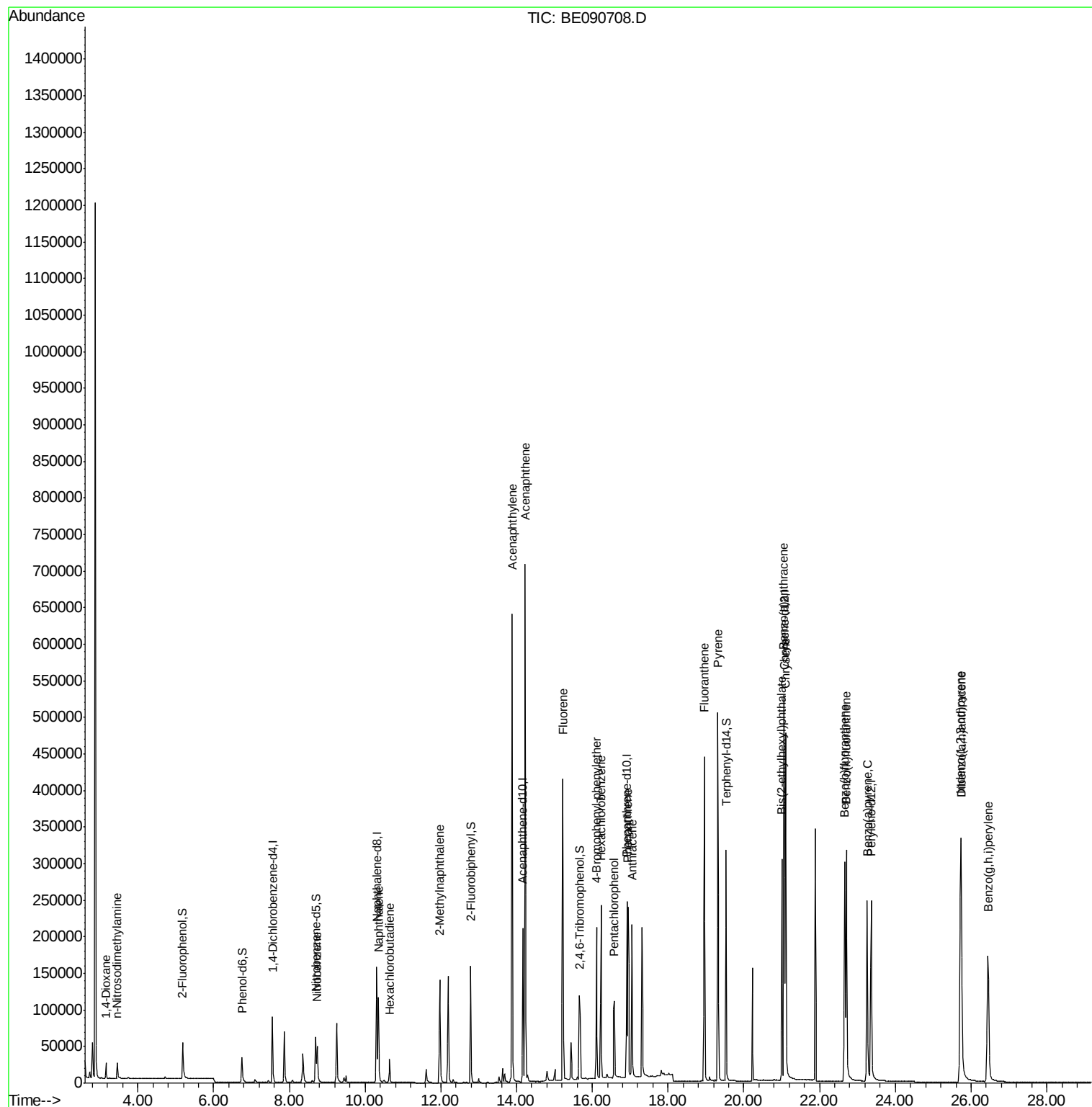
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.16	88	11182	1.75	ng	98
3) n-Nitrosodimethylamine	3.45	42	13450	1.59	ng	84
8) Nitrobenzene	8.73	77	63054	3.58	ng	97
9) Naphthalene	10.35	128	164851	3.45	ng	99
10) Hexachlorobutadiene	10.65	225	22849	3.06	ng	100
11) 2-Methylnaphthalene	11.97	142	113591	4.40	ng	100
15) Acenaphthylene	13.88	152	823000	4.38	ng	100
16) Acenaphthene	14.23	154	125981	4.01	ng	89
17) Fluorene	15.22	166	172587	4.41	ng	97
19) 4-Bromophenyl-phenylether	16.11	248	46437	4.82	ng	99
20) Hexachlorobenzene	16.23	284	210393	4.57	ng	98
21) Pentachlorophenol	16.58	266	63764	15.79	ng	93
22) Phenanthrene	16.94	178	312289	4.47	ng	99
23) Anthracene	17.05	178	308096	5.27	ng	99
24) Fluoranthene	18.96	202	399108	5.42	ng	99
26) Pyrene	19.32	202	423726	5.84	ng	99
28) Benzo(a)anthracene	21.05	228	403838	5.26	ng	98
29) Chrysene	21.11	228	410326	5.08	ng	99
30) Bis(2-ethylhexyl)phthalate	21.00	149	251427	8.13	ng	98
31) Indeno(1,2,3-cd)pyrene	25.72	276	458089	5.53	ng	99
33) Benzo(b)fluoranthene	22.66	252	395400	5.42	ng	99
34) Benzo(k)fluoranthene	22.71	252	418464	4.93	ng	100
35) Benzo(a)pyrene	23.26	252	375488	5.76	ng	99
36) Dibenzo(a,h)anthracene	25.74	278	377413	4.75	ng	99
37) Benzo(g,h,i)perylene	26.45	276	386583	5.15	ng	99

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

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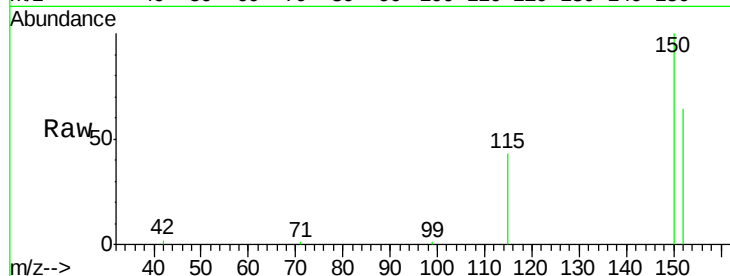




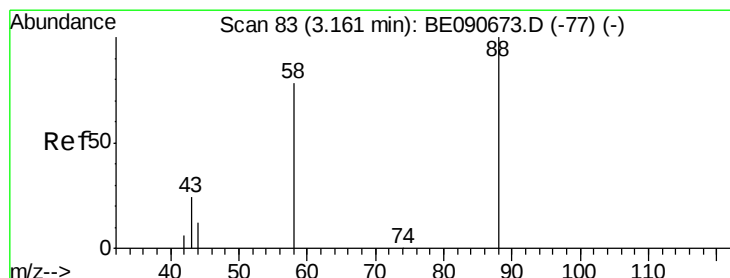
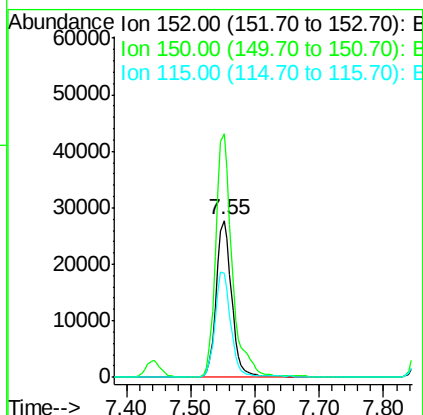
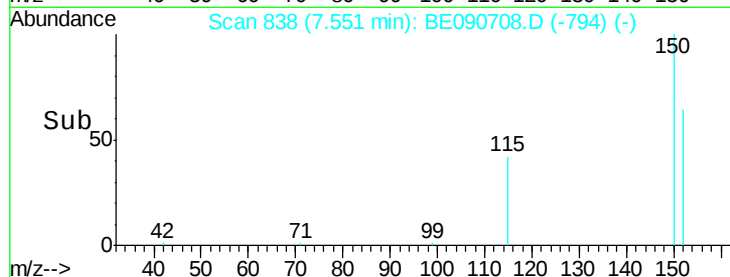
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.55 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BE090708.D
 Acq: 2 Sep 2015 17:21

Instrument :
 BNA_E
 ClientSampleId :
 MW01-082815MSD

Tgt Ion:152 Resp: 46073
 Ion Ratio Lower Upper
 152 100
 150 155.5 122.2 183.4
 115 66.3 51.0 76.4

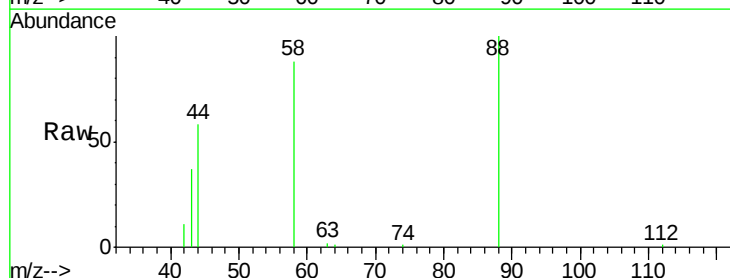


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

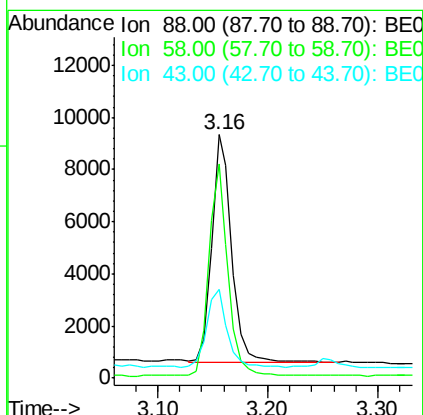
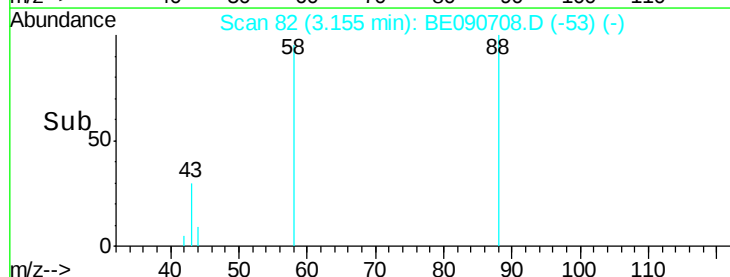


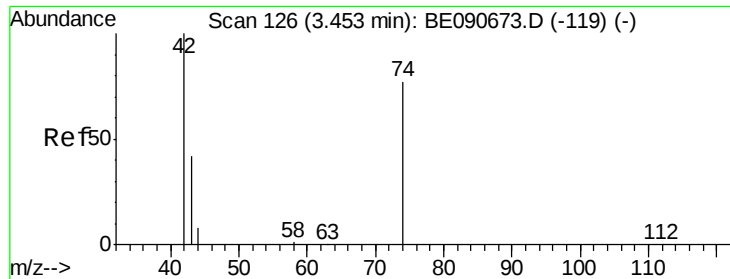
#2
 1,4-Dioxane
 Concen: 1.75 ng
 RT: 3.16 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: BE090708.D
 Acq: 2 Sep 2015 17:21

Tgt Ion: 88 Resp: 11182
 Ion Ratio Lower Upper
 88 100
 58 87.6 68.4 102.6
 43 34.6 26.9 40.3



Abundance Ion 88.00 (87.70 to 88.70): BE0
 Ion 58.00 (57.70 to 58.70): BE0
 Ion 43.00 (42.70 to 43.70): BE0



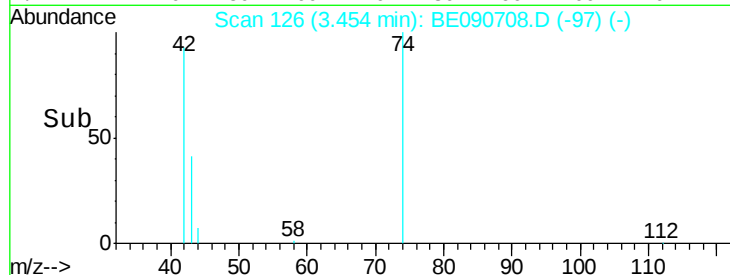
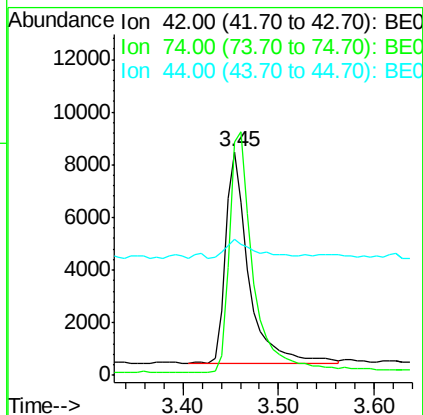
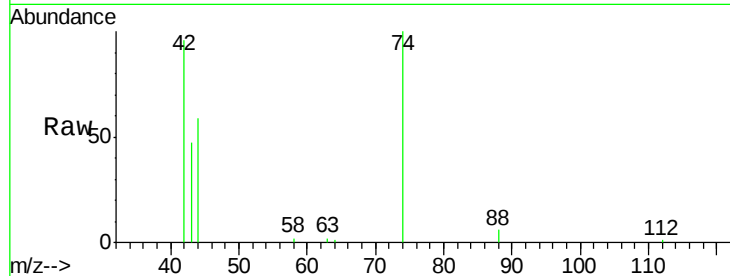


#3

n-Nitrosodimethylamine
 Concen: 1.59 ng
 RT: 3.45 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: BE090708.D
 Acq: 2 Sep 2015 17:21

Instrument :
 BNA_E
 ClientSampleId :
 MW01-082815MSD

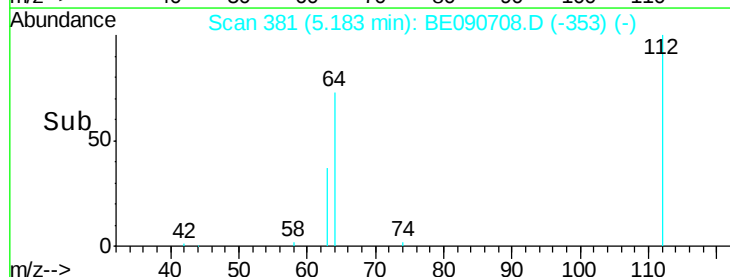
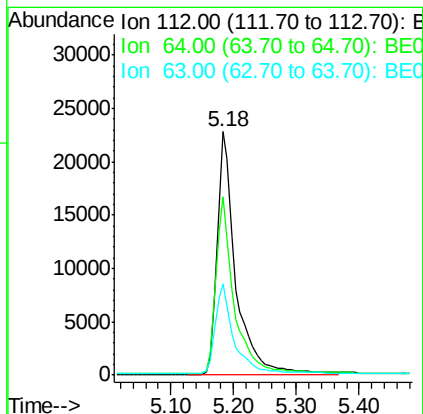
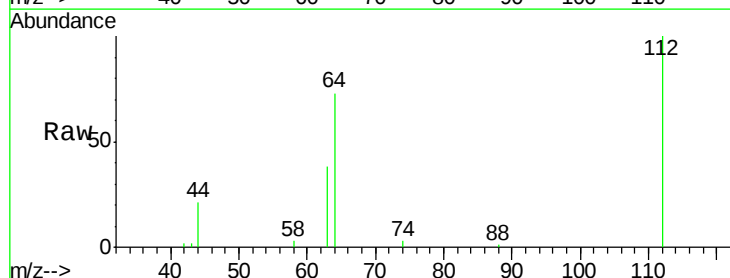
Tgt Ion: 42 Resp: 13450
 Ion Ratio Lower Upper
 42 100
 74 123.0 83.7 125.5
 44 12.0 10.0 15.0



#4

2-Fluorophenol
 Concen: 5.24 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090708.D
 Acq: 2 Sep 2015 17:21

Tgt Ion: 112 Resp: 46971
 Ion Ratio Lower Upper
 112 100
 64 72.1 57.3 85.9
 63 36.6 29.2 43.8





#5

Phenol-d6

Concen: 3.98 ng

RT: 6.75 min Scan# 661

Delta R.T. -0.01 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

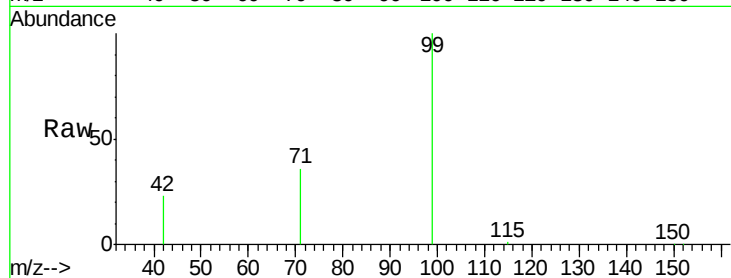
Tgt Ion: 99 Resp: 51019

Ion Ratio Lower Upper

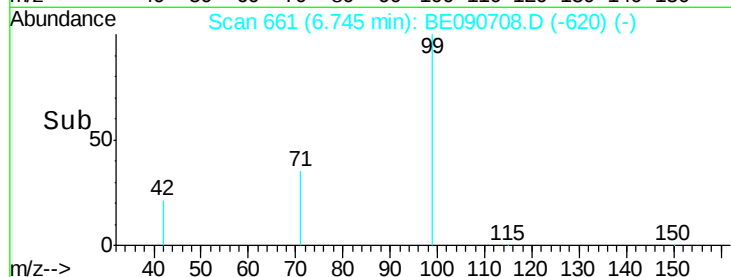
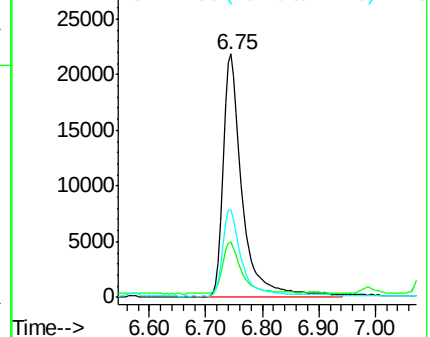
99 100

42 21.2 16.8 25.2

71 35.8 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: 10.30 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Tgt Ion: 136 Resp: 218899

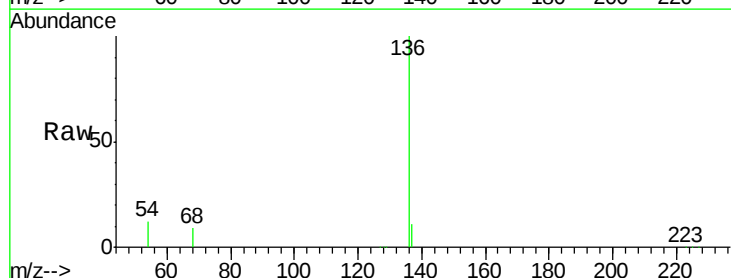
Ion Ratio Lower Upper

136 100

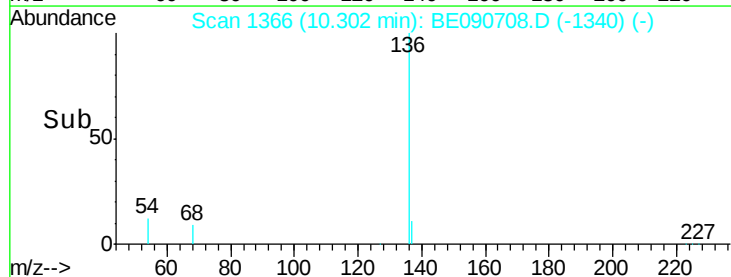
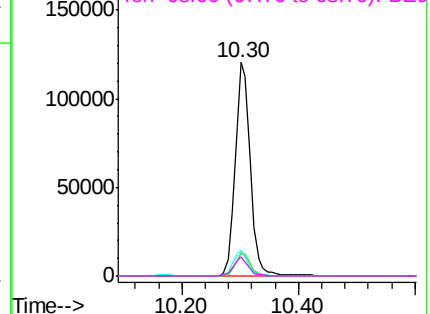
137 10.9 8.7 13.1

54 11.9 9.0 13.6

68 8.9 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: 4.51 ng

RT: 8.69 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

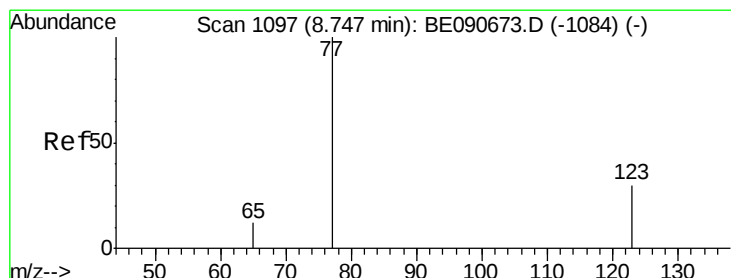
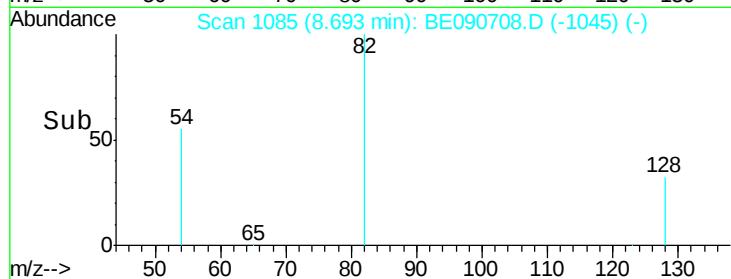
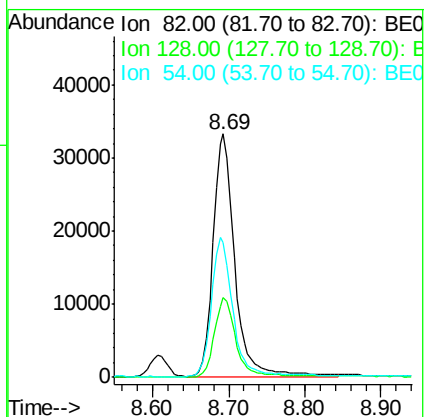
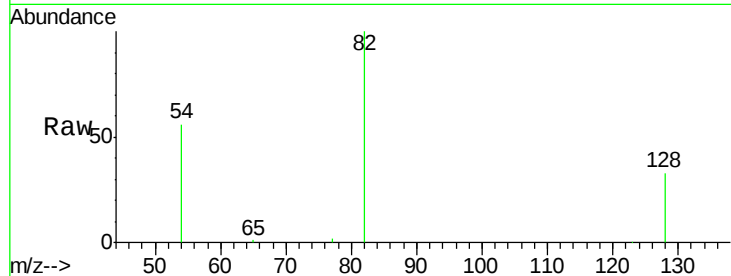
Tgt Ion: 82 Resp: 65220

Ion Ratio Lower Upper

82 100

128 32.5 25.0 37.4

54 55.5 46.3 69.5



#8

Nitrobenzene

Concen: 3.58 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

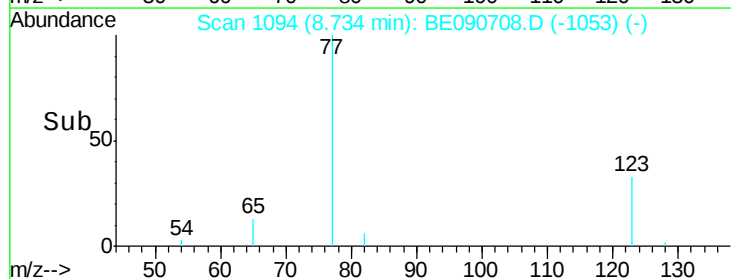
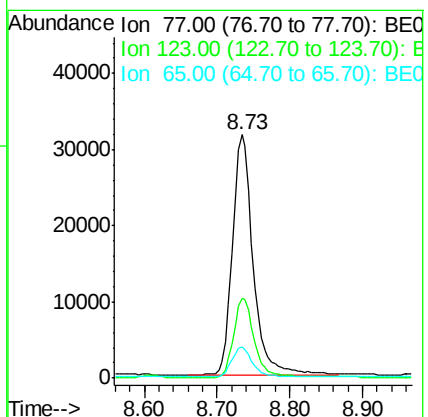
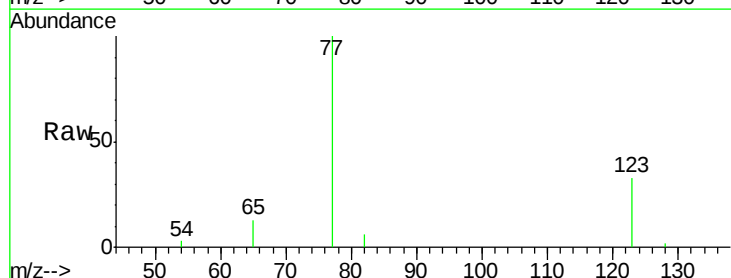
Tgt Ion: 77 Resp: 63054

Ion Ratio Lower Upper

77 100

123 33.8 25.1 37.7

65 12.6 9.9 14.9





#9

Naphthalene

Concen: 3.45 ng

RT: 10.35 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

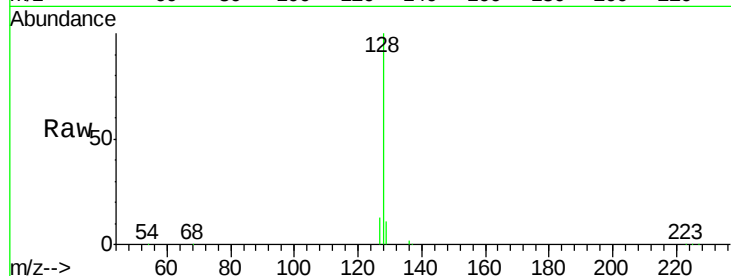
Tgt Ion:128 Resp: 164851

Ion Ratio Lower Upper

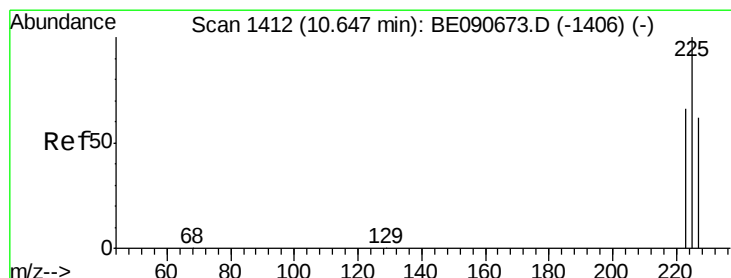
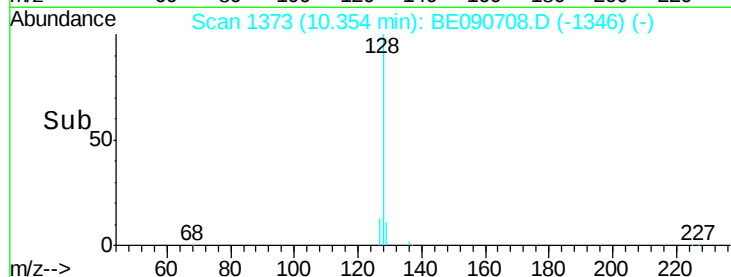
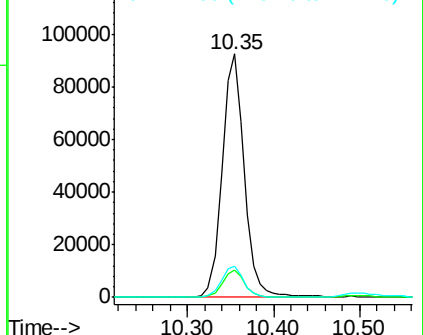
128 100

129 11.2 9.0 13.6

127 12.8 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



#10

Hexachlorobutadiene

Concen: 3.06 ng

RT: 10.65 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

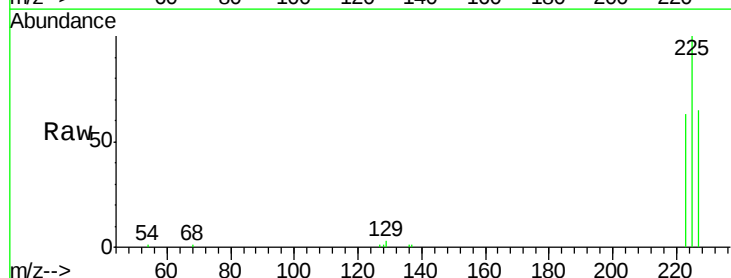
Tgt Ion:225 Resp: 22849

Ion Ratio Lower Upper

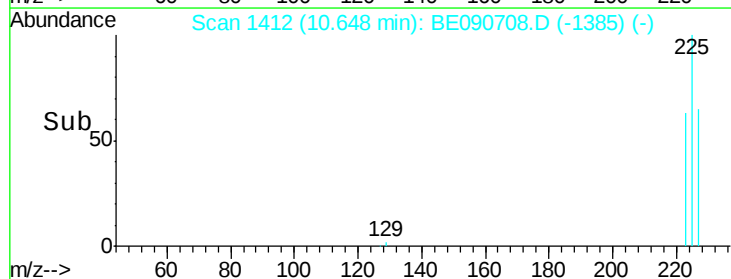
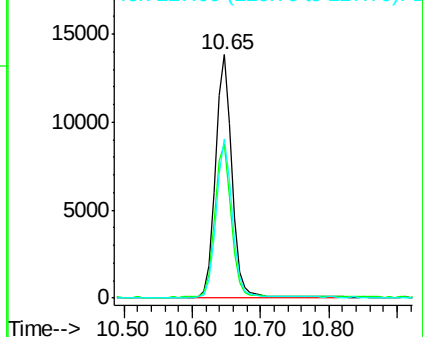
225 100

223 63.5 50.6 76.0

227 64.0 51.0 76.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 4.40 ng

RT: 11.97 min Scan# 1642

Delta R.T. -0.02 min

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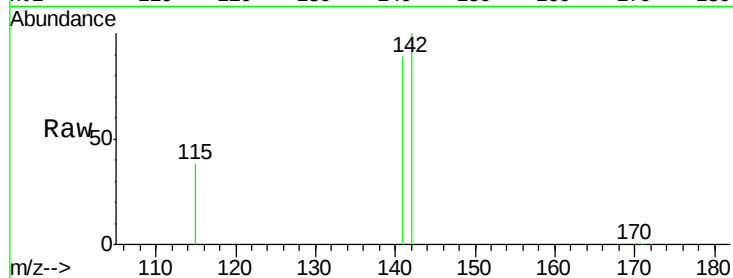
Tgt Ion:142 Resp: 113591

Ion Ratio Lower Upper

142 100

141 89.3 71.4 107.2

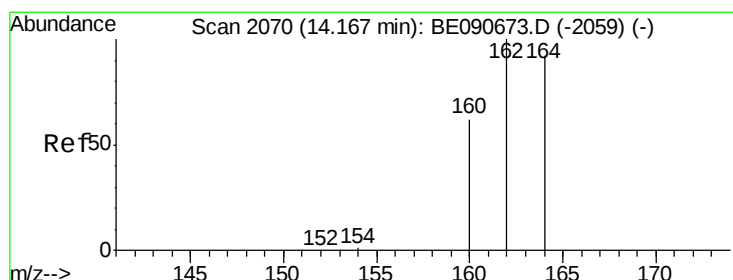
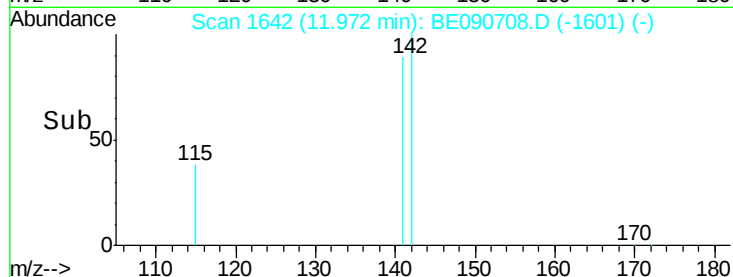
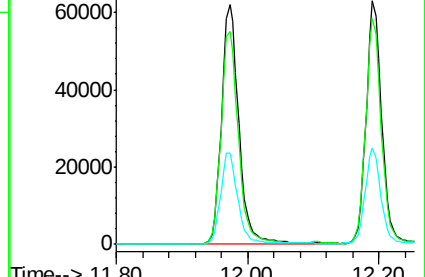
115 38.0 31.0 46.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2071

Delta R.T. 0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

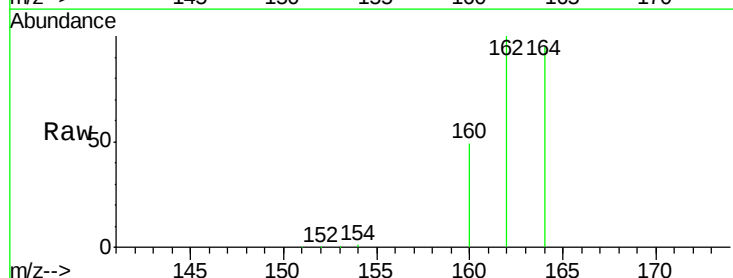
Tgt Ion:164 Resp: 117562

Ion Ratio Lower Upper

164 100

162 104.9 86.8 130.2

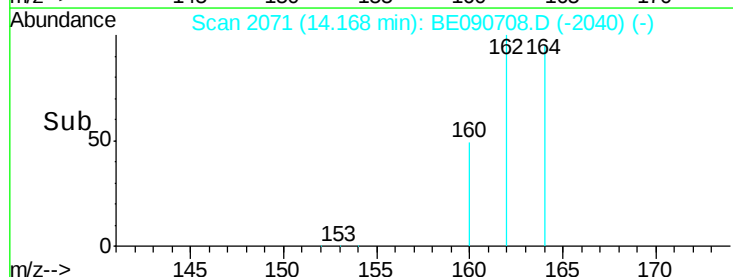
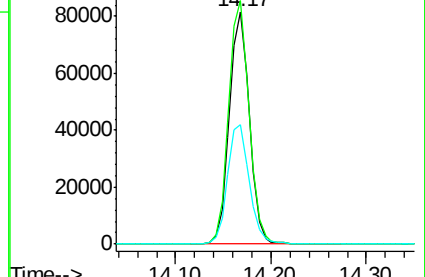
160 51.6 53.9 80.9#

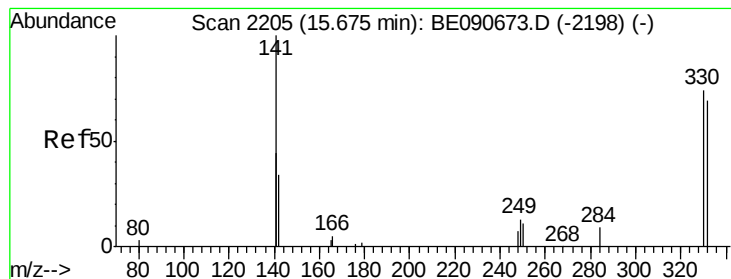


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#13

2,4,6-Tribromophenol

Concen: 15.41 ng

RT: 15.67 min Scan# 2205

Delta R.T. -0.00 min

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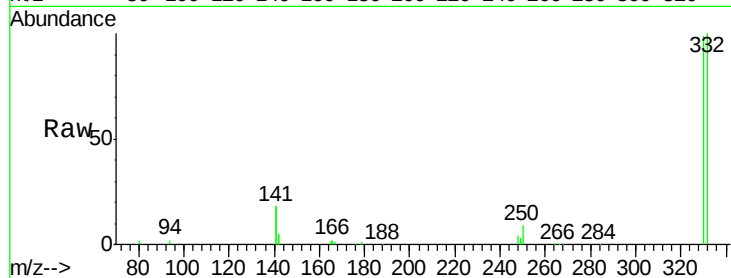
Tgt Ion:330 Resp: 53707

Ion Ratio Lower Upper

330 100

332 98.0 74.9 112.3

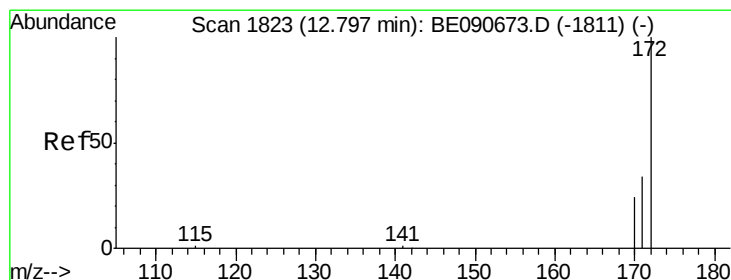
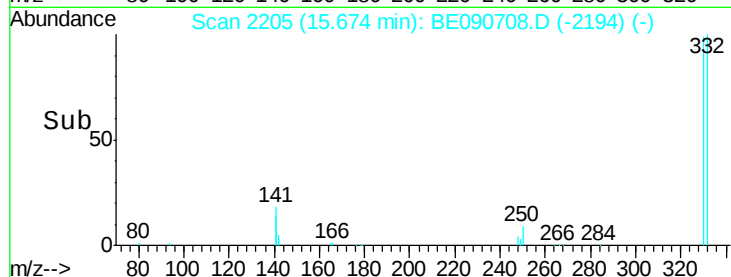
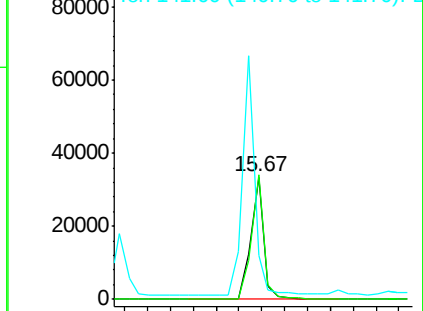
141 181.8 145.2 217.8



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#14

2-Fluorobiphenyl

Concen: 4.70 ng

RT: 12.79 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

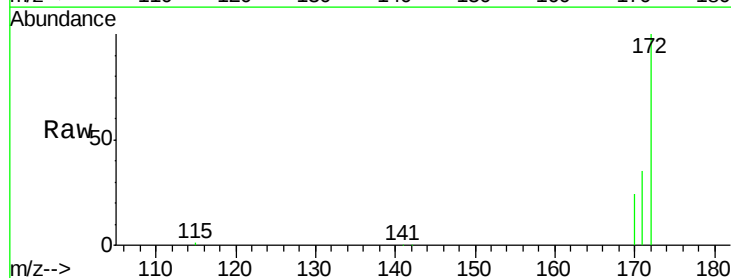
Tgt Ion:172 Resp: 153118

Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.8

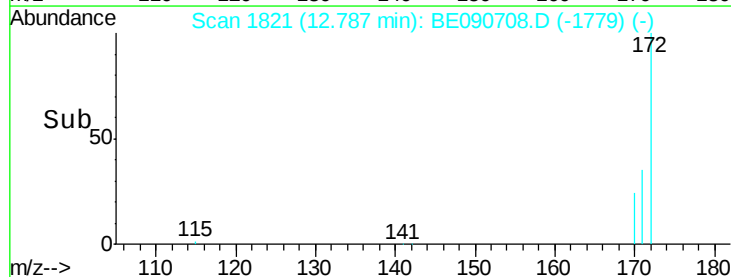
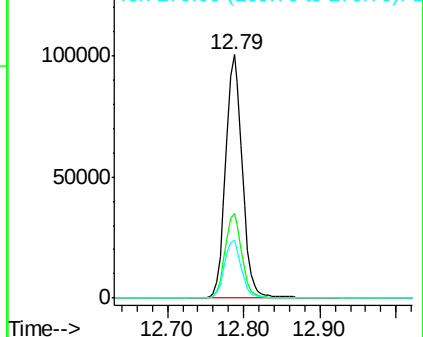
170 23.7 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 4.38 ng

RT: 13.88 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

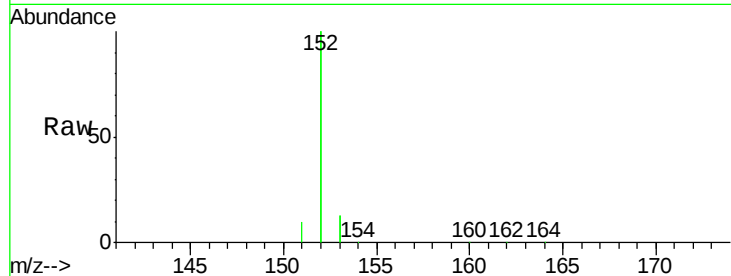
Tgt Ion:152 Resp: 823000

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

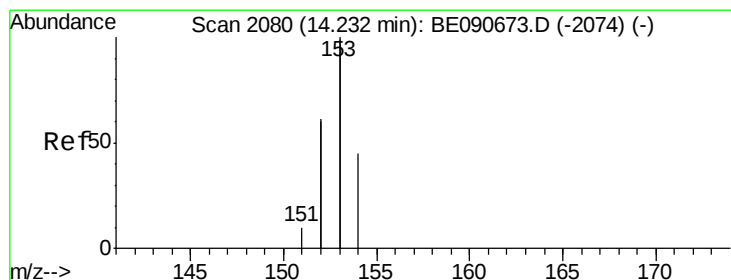
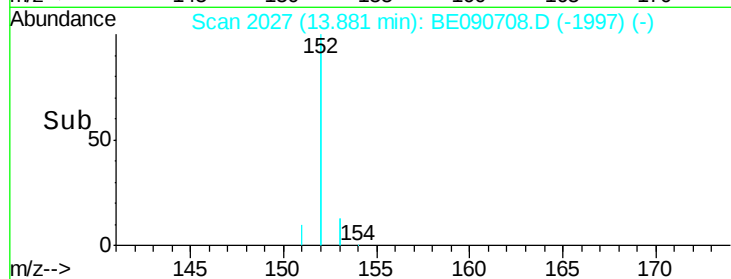
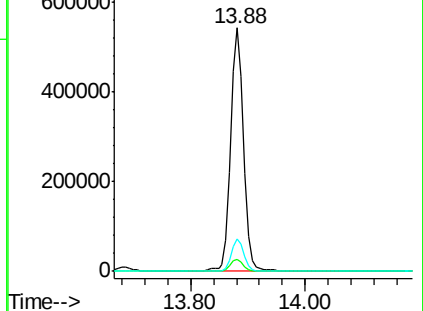
153 13.0 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 4.01 ng

RT: 14.23 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

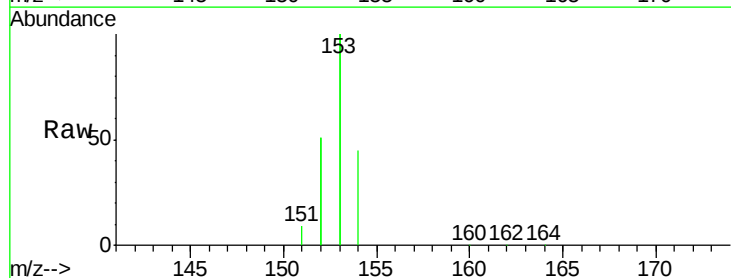
Tgt Ion:154 Resp: 125981

Ion Ratio Lower Upper

154 100

153 441.5 354.5 531.7

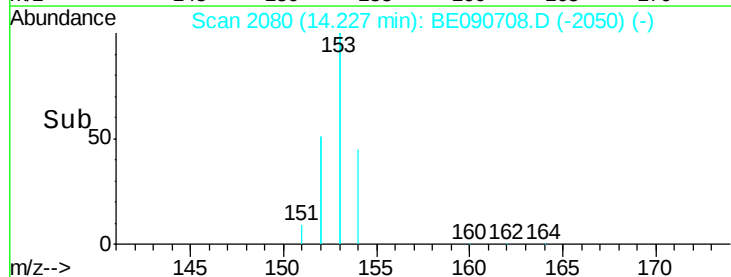
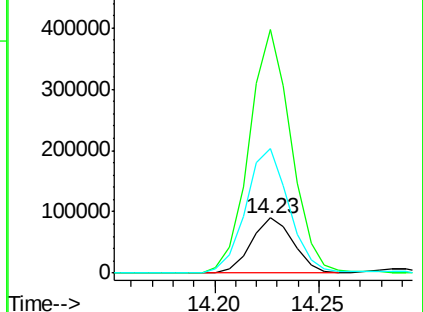
152 235.1 227.8 341.6

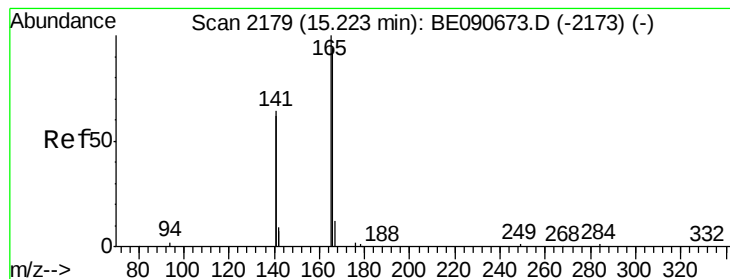


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 4.41 ng

RT: 15.22 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

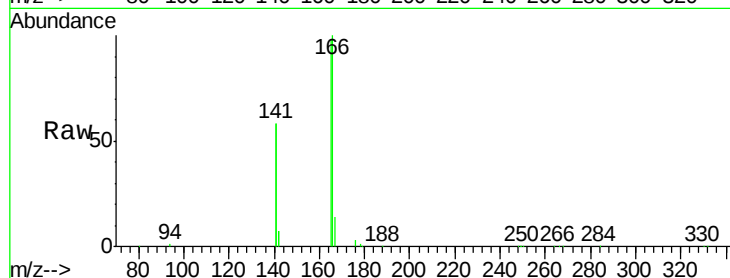
Tgt Ion:166 Resp: 172587

Ion Ratio Lower Upper

166 100

165 99.8 82.7 124.1

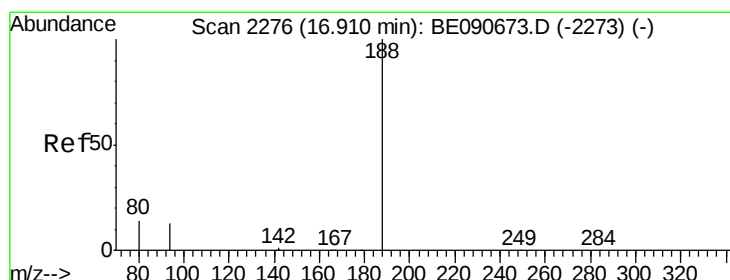
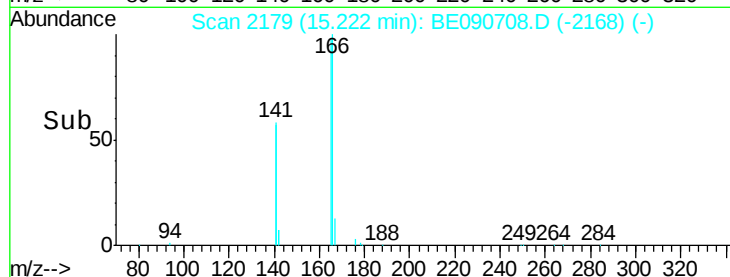
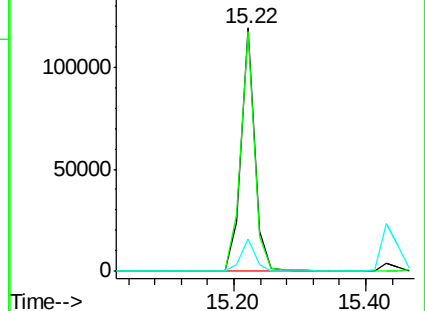
167 13.8 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

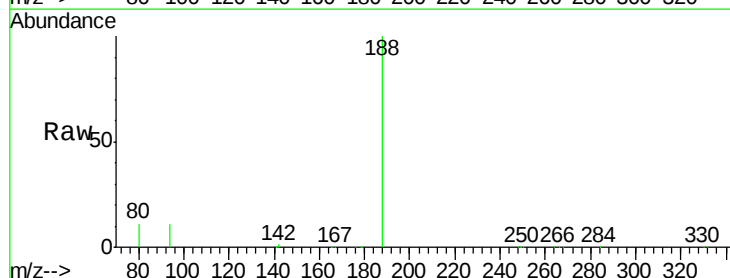
Tgt Ion:188 Resp: 282358

Ion Ratio Lower Upper

188 100

94 10.5 10.3 15.5

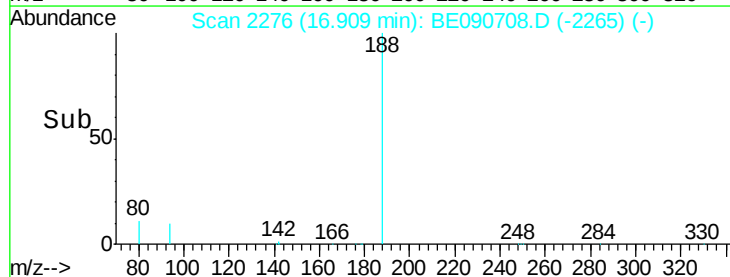
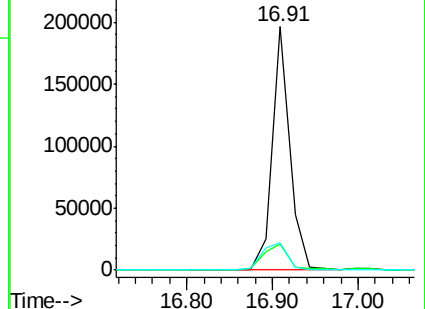
80 11.2 11.0 16.6



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





#19

4-Bromophenyl-phenylether

Concen: 4.82 ng

RT: 16.11 min Scan# 2230

Delta R.T. -0.02 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

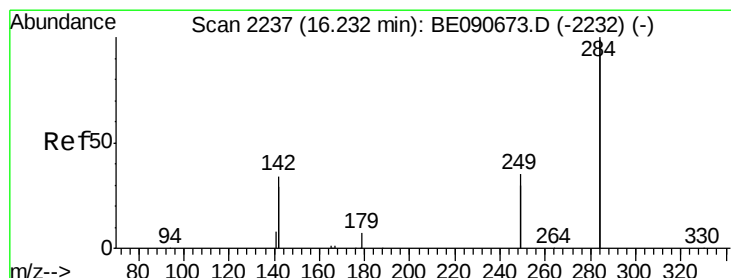
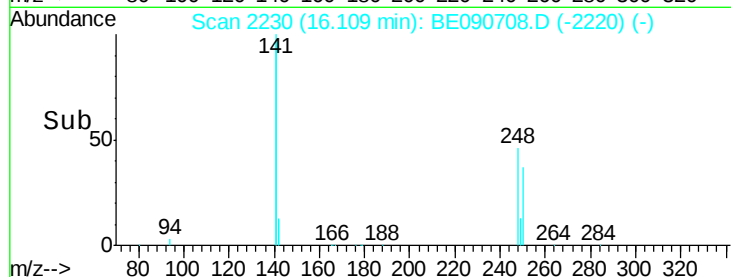
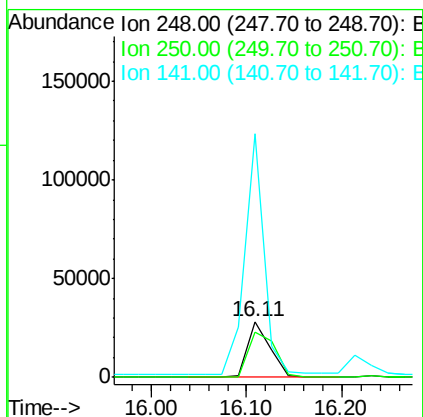
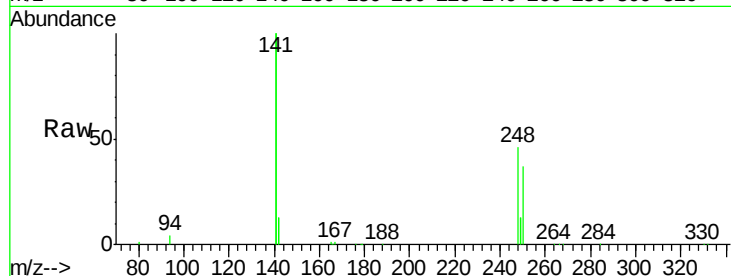
Tgt Ion:248 Resp: 46437

Ion Ratio Lower Upper

248 100

250 97.3 76.7 115.1

141 368.4 292.6 439.0



#20

Hexachlorobenzene

Concen: 4.57 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

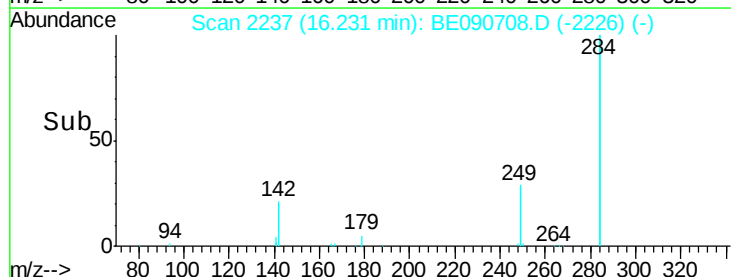
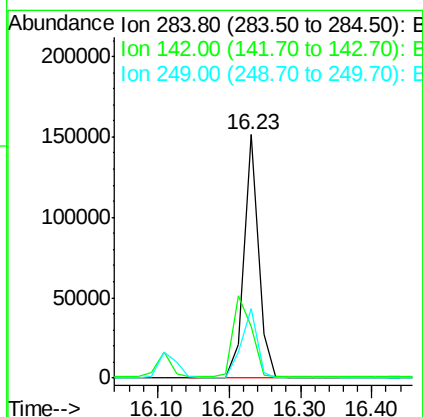
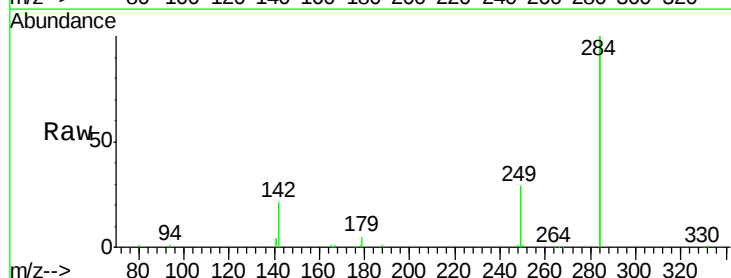
Tgt Ion:284 Resp: 210393

Ion Ratio Lower Upper

284 100

142 41.8 35.0 52.4

249 31.2 25.5 38.3

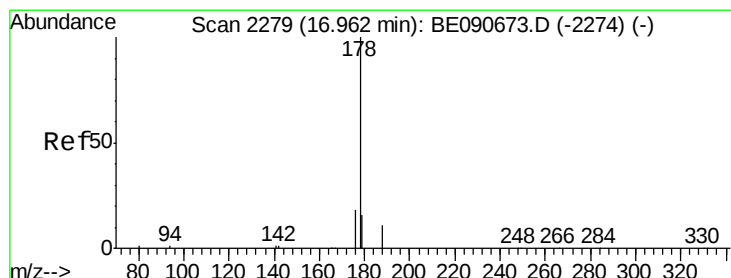
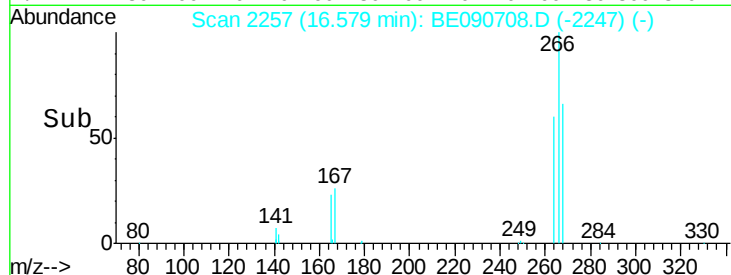
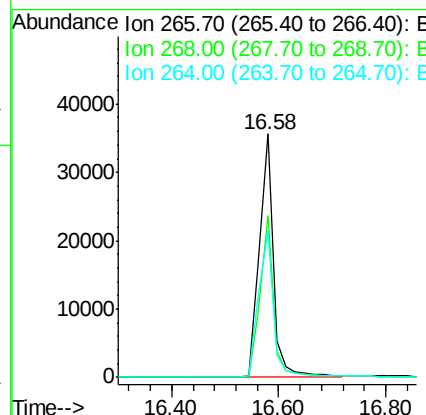
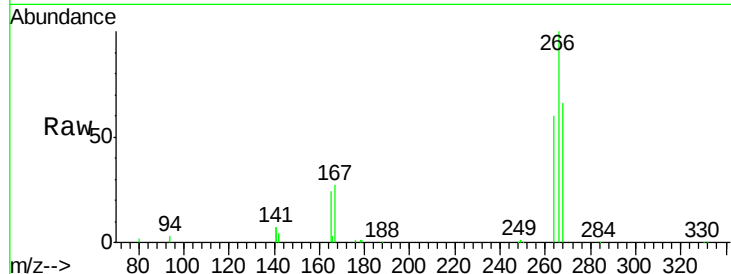




#21
 Pentachlorophenol
 Concen: 15.79 ng
 RT: 16.58 min Scan# 2257
 Delta R.T. -0.02 min
 Lab File: BE090708.D
 Acq: 2 Sep 2015 17:21

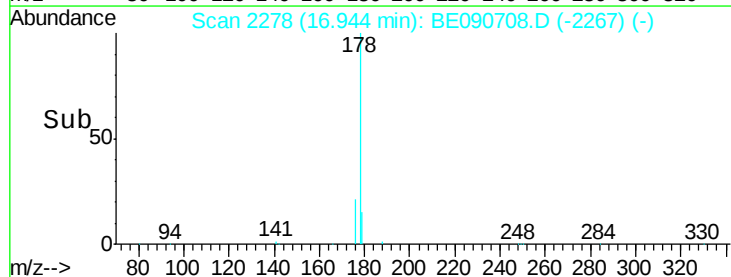
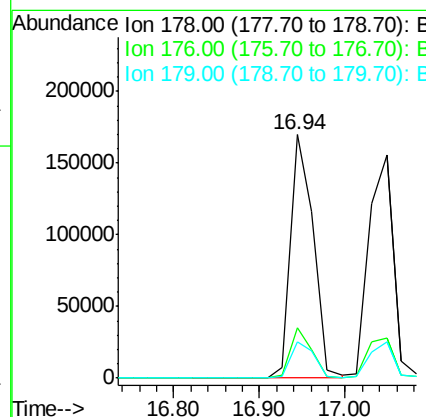
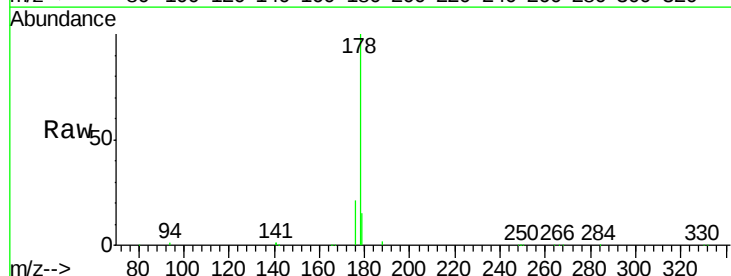
Instrument :
 BNA_E
 ClientSampleId :
 MW01-082815MSD

Tgt Ion: 266 Resp: 63764
 Ion Ratio Lower Upper
 266 100
 268 66.3 49.6 74.4
 264 60.1 53.9 80.9



#22
 Phenanthrene
 Concen: 4.47 ng
 RT: 16.94 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: BE090708.D
 Acq: 2 Sep 2015 17:21

Tgt Ion: 178 Resp: 312289
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.6 23.4
 179 15.6 12.8 19.2





#23

Anthracene

Concen: 5.27 ng

RT: 17.05 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

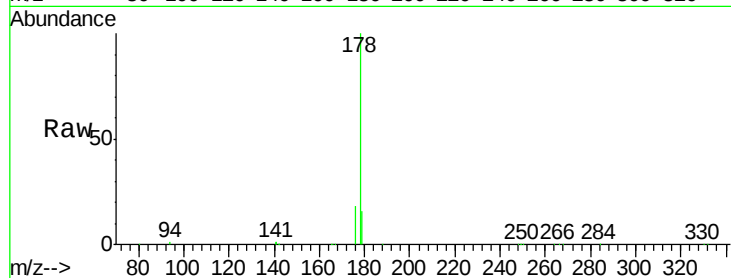
Tgt Ion:178 Resp: 308096

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

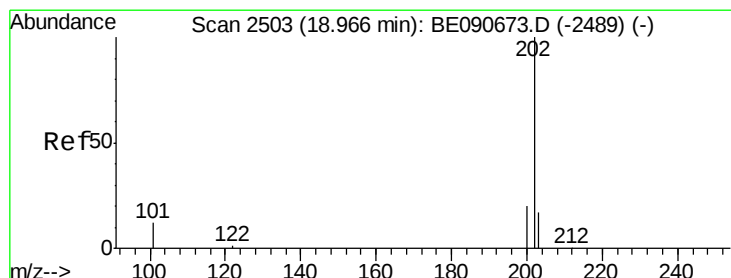
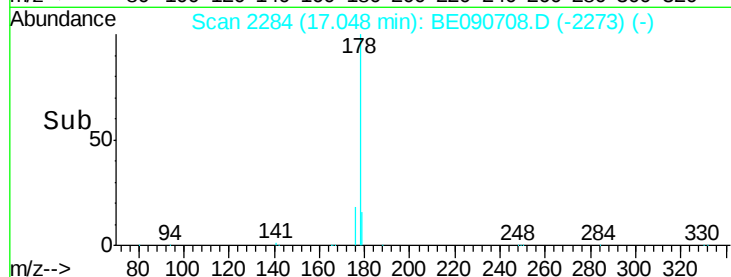
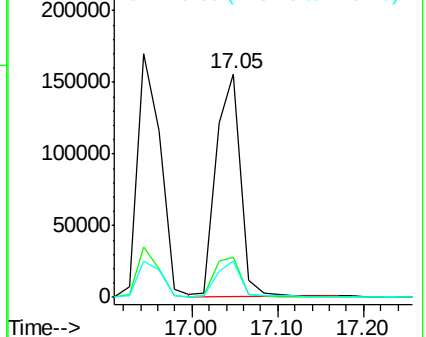
179 15.8 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 5.42 ng

RT: 18.96 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

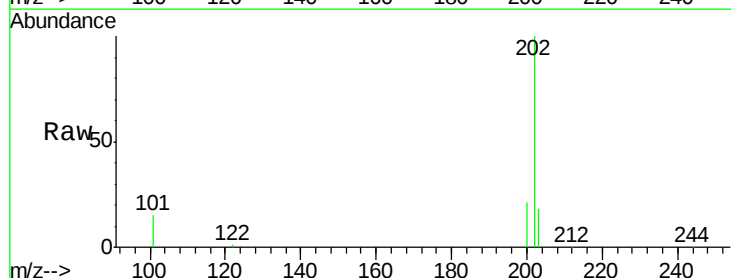
Tgt Ion:202 Resp: 399108

Ion Ratio Lower Upper

202 100

101 14.6 11.0 16.6

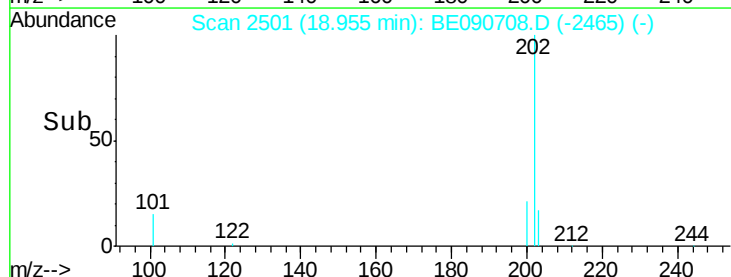
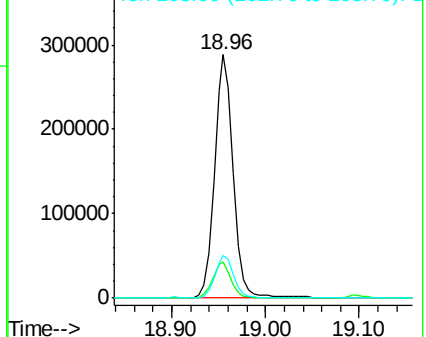
203 17.4 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

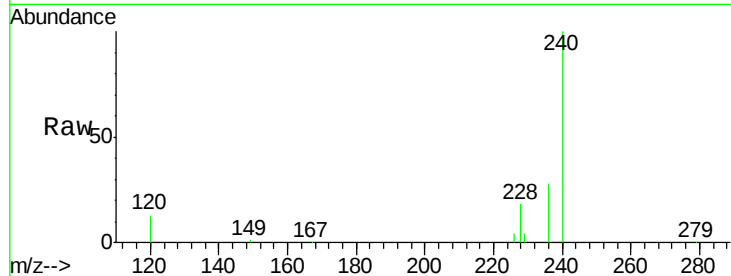
Tgt Ion:240 Resp: 350413

Ion Ratio Lower Upper

240 100

120 12.7 10.1 15.1

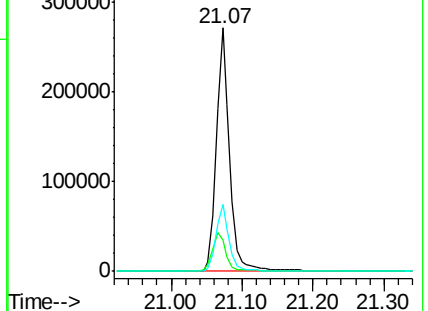
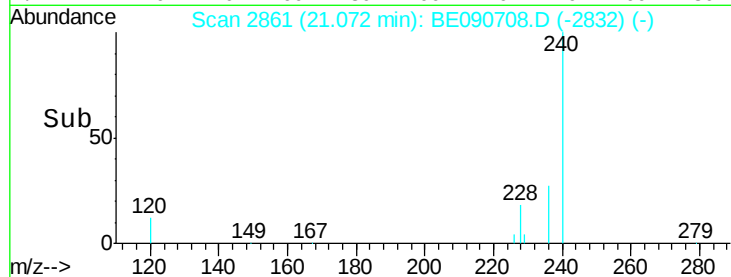
236 27.6 21.9 32.9



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



#26

Pyrene

Concen: 5.84 ng

RT: 19.32 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

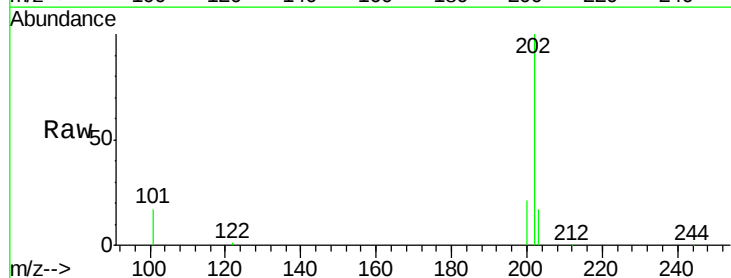
Tgt Ion:202 Resp: 423726

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

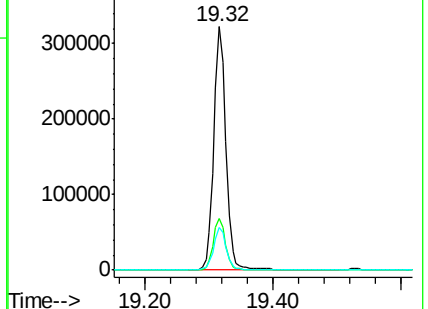
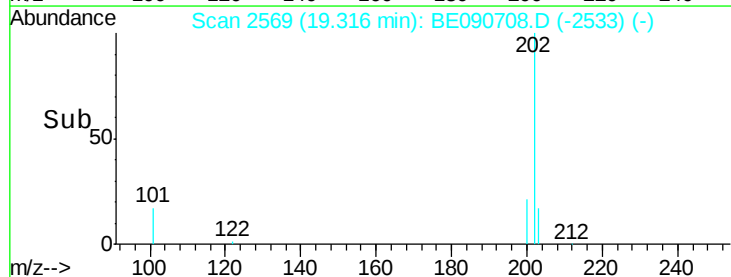
203 18.1 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 8.63 ng

RT: 19.53 min Scan# 2610

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

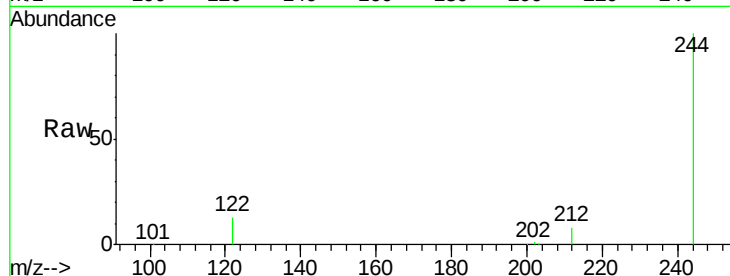
Tgt Ion:244 Resp: 334396

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

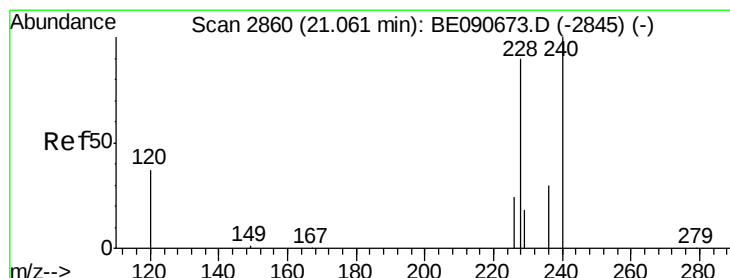
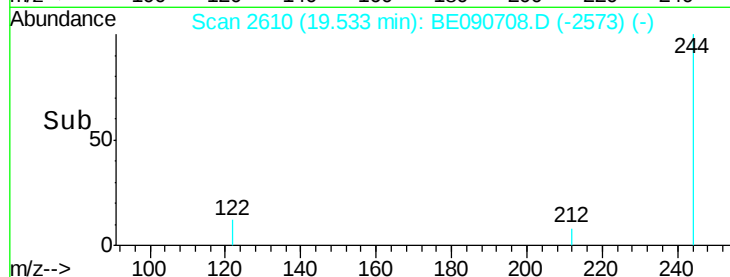
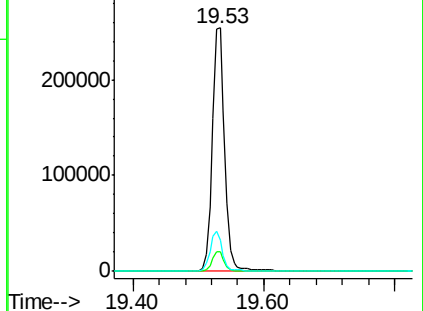
122 12.7 12.9 19.3#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 5.26 ng

RT: 21.05 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

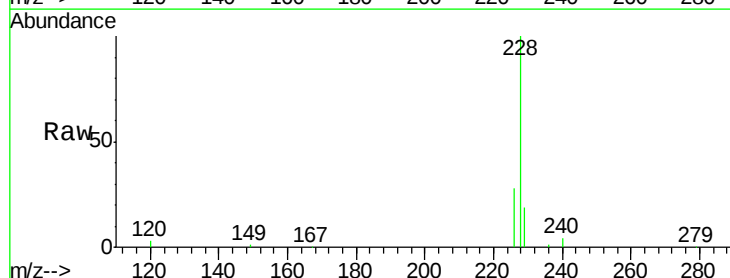
Tgt Ion:228 Resp: 403838

Ion Ratio Lower Upper

228 100

226 28.2 21.6 32.4

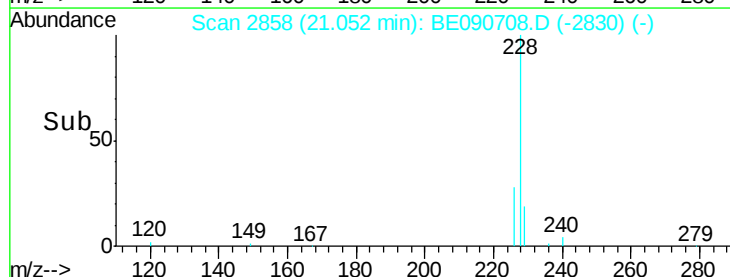
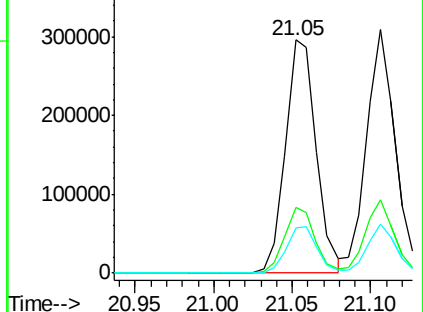
229 19.4 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 5.08 ng

RT: 21.11 min Scan# 2866

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

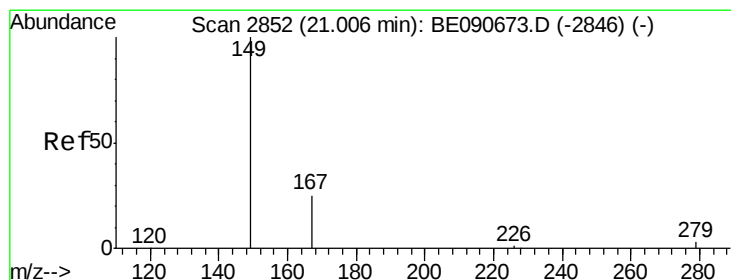
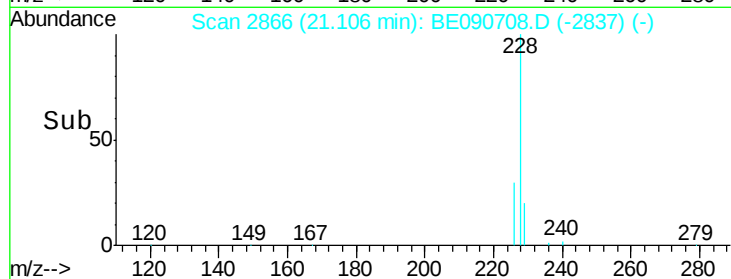
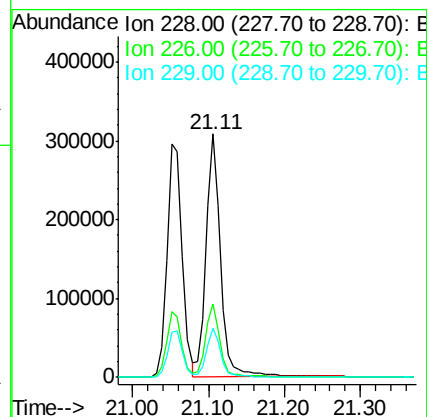
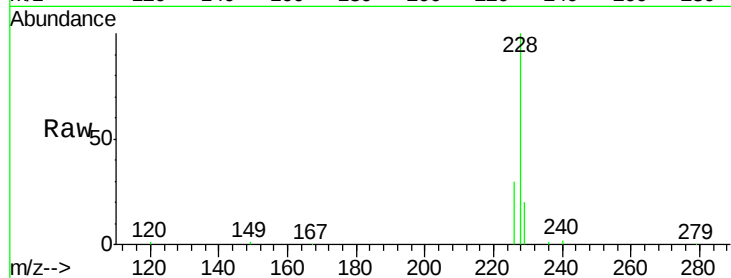
Tgt Ion:228 Resp: 410326

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

229 19.9 15.3 22.9



#30

Bis(2-ethylhexyl)phthalate

Concen: 8.13 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

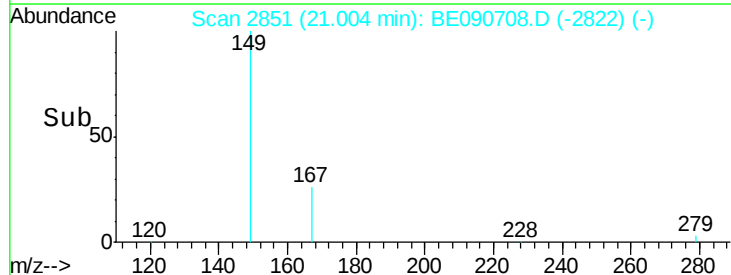
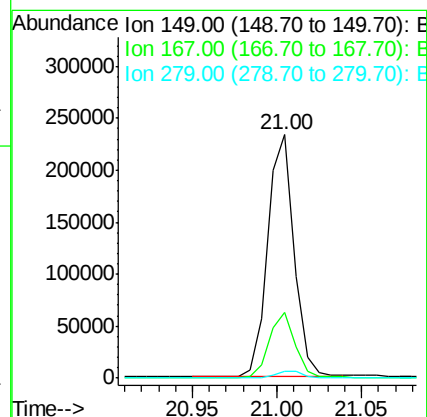
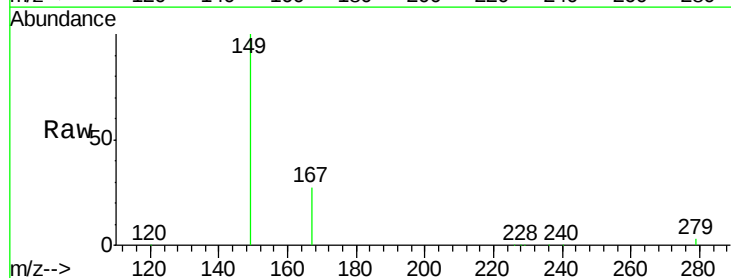
Tgt Ion:149 Resp: 251427

Ion Ratio Lower Upper

149 100

167 25.9 20.1 30.1

279 3.0 2.3 3.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 5.53 ng

RT: 25.72 min Scan# 3815

Delta R.T. -0.01 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

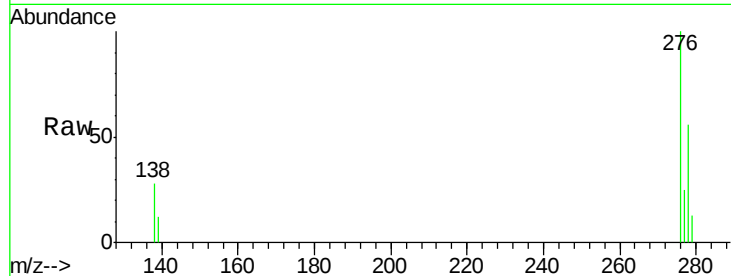
Tgt Ion: 276 Resp: 458089

Ion Ratio Lower Upper

276 100

138 30.2 23.3 34.9

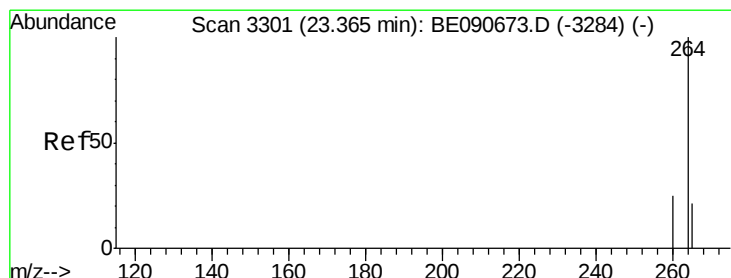
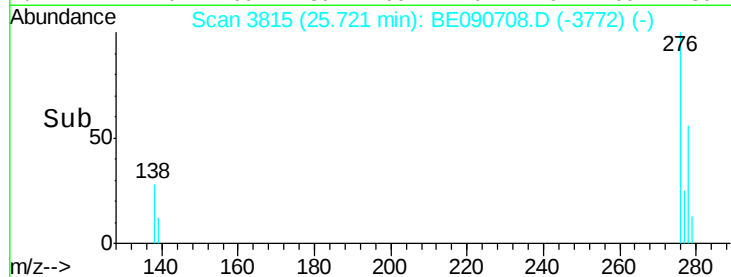
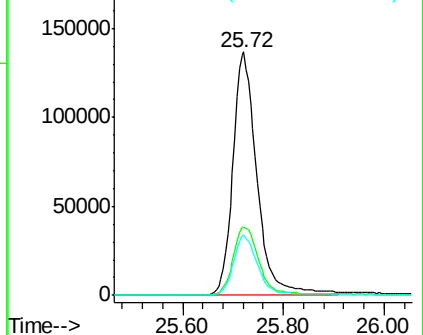
277 25.1 19.8 29.6



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: 23.36 min Scan# 3300

Delta R.T. 0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

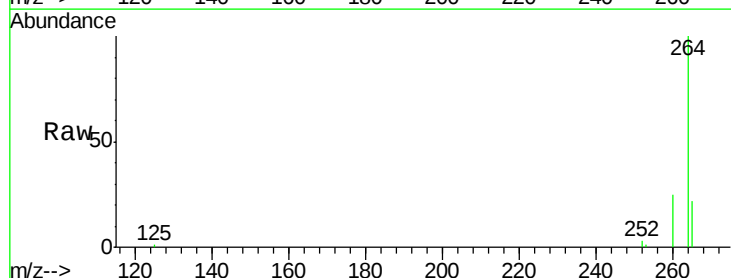
Tgt Ion: 264 Resp: 336201

Ion Ratio Lower Upper

264 100

260 25.3 19.7 29.5

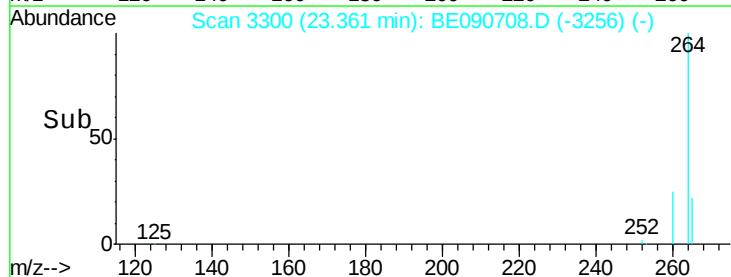
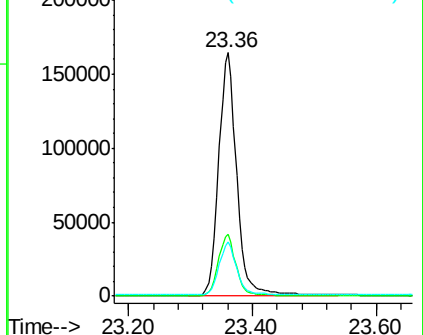
265 22.1 17.5 26.3



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: 5.42 ng

RT: 22.66 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

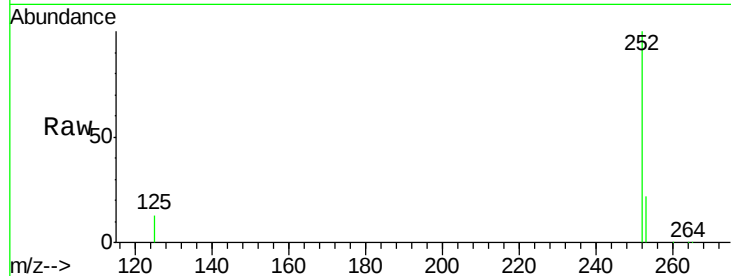
Tgt Ion:252 Resp: 395400

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

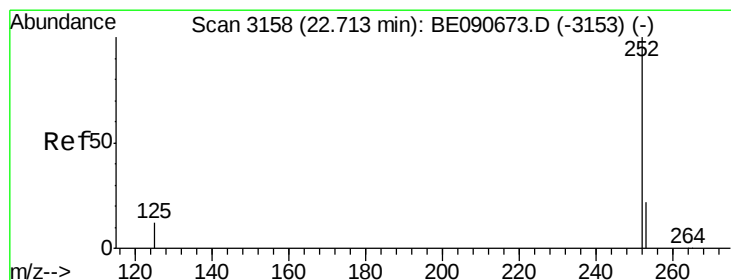
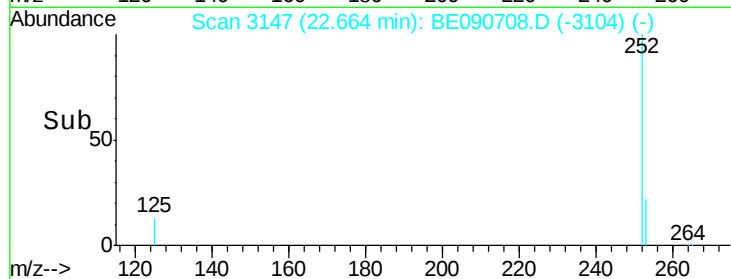
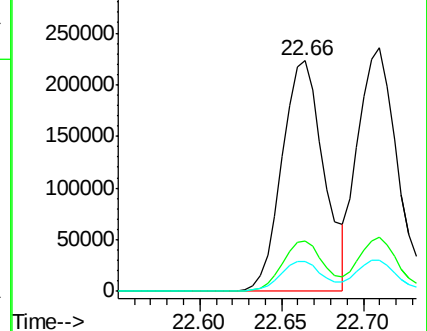
125 13.0 10.6 16.0



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



#34

Benzo(k)fluoranthene

Concen: 4.93 ng

RT: 22.71 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

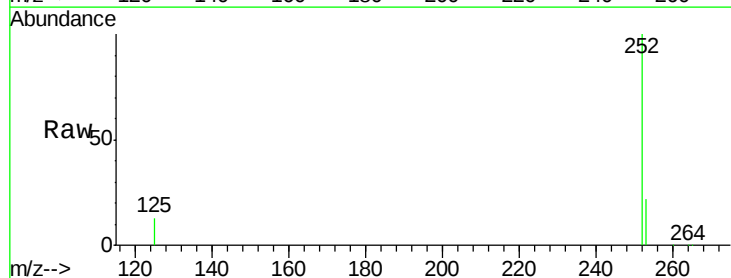
Tgt Ion:252 Resp: 418464

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

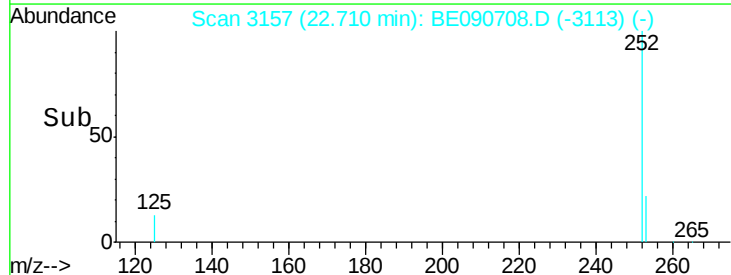
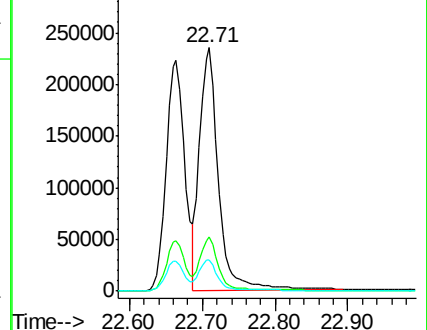
125 12.8 10.1 15.1



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: 5.76 ng

RT: 23.26 min Scan# 3277

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD

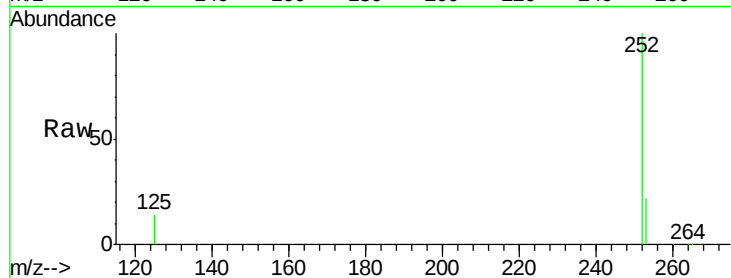
Tgt Ion: 252 Resp: 375488

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

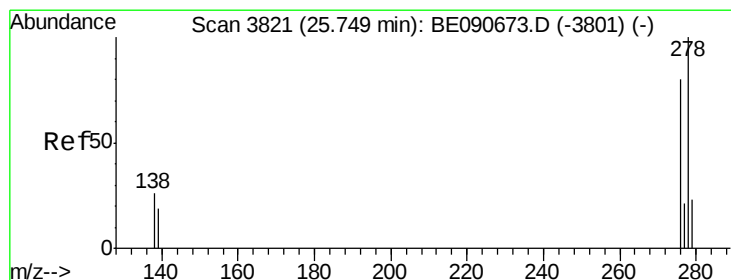
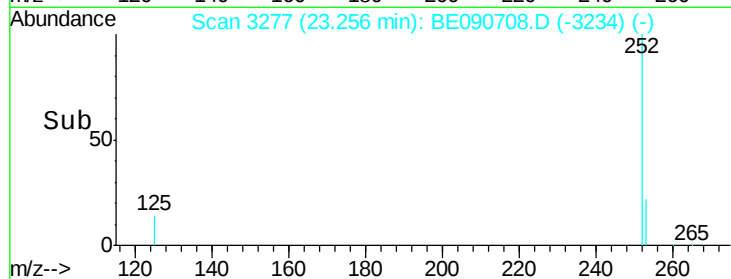
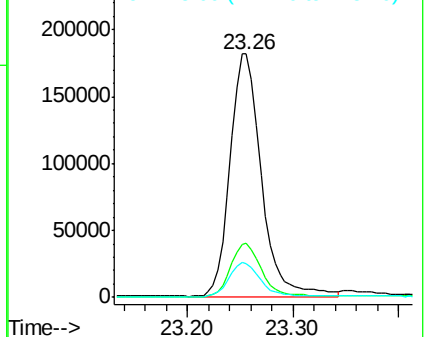
125 14.1 11.6 17.4



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: 4.75 ng

RT: 25.74 min Scan# 3820

Delta R.T. -0.00 min

Lab File: BE090708.D

Acq: 2 Sep 2015 17:21

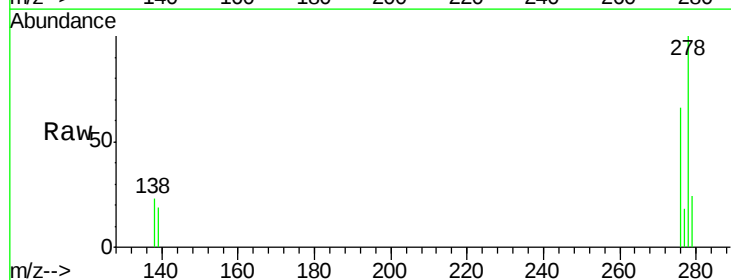
Tgt Ion: 278 Resp: 377413

Ion Ratio Lower Upper

278 100

139 19.0 15.4 23.0

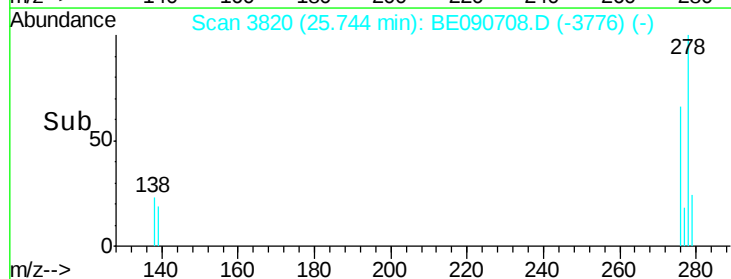
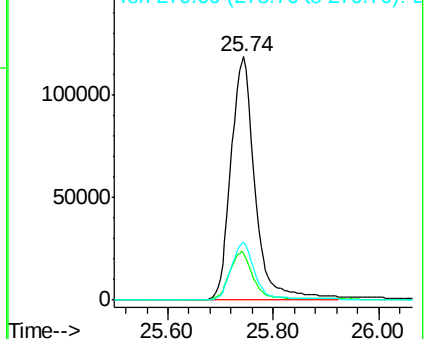
279 23.9 18.8 28.2



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





#37

Benzo(g,h,i)perylene

Concen: 5.15 ng

RT: 26.45 min Scan# 3974

Delta R.T. -0.01 min

Lab File: BE090708.D

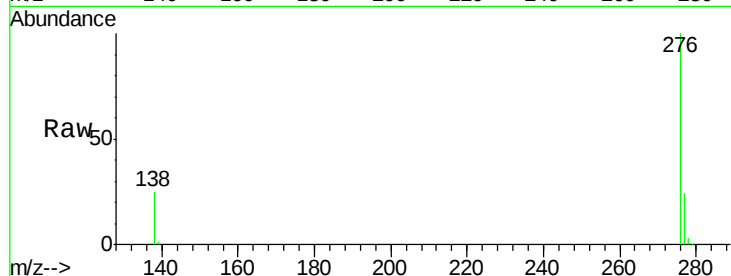
Acq: 2 Sep 2015 17:21

Instrument :

BNA_E

ClientSampleId :

MW01-082815MSD



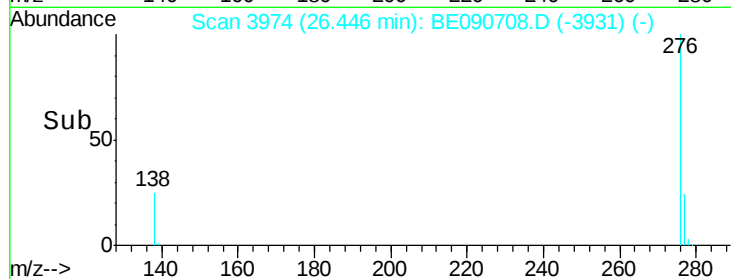
Tgt Ion: 276 Resp: 386583

Ion Ratio Lower Upper

276 100

277 24.1 18.5 27.7

138 25.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

