

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091715\
 Data File : BE090864.D
 Acq On : 17 Sep 2015 14:52
 Operator : UM/IZ
 Sample : PB85602BSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85602BSD

Quant Time: Sep 17 15:25:57 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

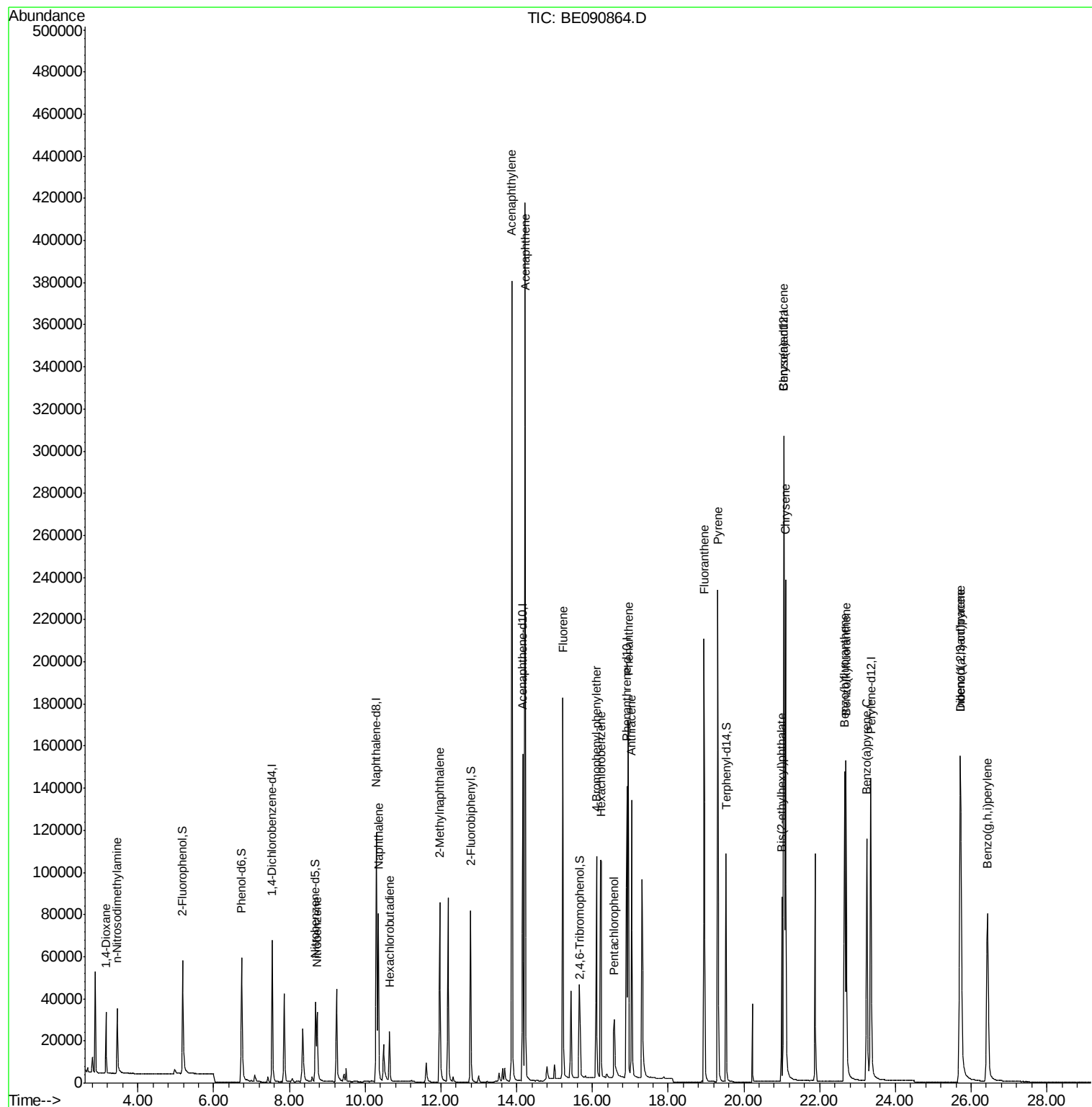
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	34555	5.00	ng	0.00
6) Naphthalene-d8	10.30	136	164220	5.00	ng	-0.01
12) Acenaphthene-d10	14.16	164	88047	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	199914	5.00	ng	0.00
25) Chrysene-d12	21.07	240	243544	5.00	ng	0.00
32) Perylene-d12	23.35	264	210234	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	52498	7.79	ng	0.00
5) Phenol-d6	6.74	99	81034	8.42	ng	-0.01
7) Nitrobenzene-d5	8.69	82	40921	3.77	ng	-0.02
13) 2,4,6-Tribromophenol	15.67	330	20457	7.92	ng	0.00
14) 2-Fluorobiphenyl	12.78	172	83564	3.43	ng	-0.01
27) Terphenyl-d14	19.53	244	119367	4.43	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.15	88	15353	3.36	ng	97
3) n-Nitrosodimethylamine	3.45	42	20333	3.30	ng	# 94
8) Nitrobenzene	8.73	77	43625	3.31	ng	99
9) Naphthalene	10.35	128	113850	3.18	ng	99
10) Hexachlorobutadiene	10.64	225	16871	3.01	ng	99
11) 2-Methylnaphthalene	11.97	142	73500	3.79	ng	99
15) Acenaphthylene	13.87	152	498339	3.54	ng	100
16) Acenaphthene	14.22	154	77529	3.30	ng	90
17) Fluorene	15.22	166	100194	3.42	ng	95
19) 4-Bromophenyl-phenylether	16.11	248	26282	3.86	ng	93
20) Hexachlorobenzene	16.23	284	122125	3.72	ng	100
21) Pentachlorophenol	16.58	266	21702	7.83	ng	94
22) Phenanthrene	16.94	178	179419	3.63	ng	99
23) Anthracene	17.03	178	171085	4.14	ng	100
24) Fluoranthene	18.95	202	198182	3.80	ng	99
26) Pyrene	19.32	202	218952	4.34	ng	99
28) Benzo(a)anthracene	21.05	228	210302	3.94	ng	99
29) Chrysene	21.10	228	212921	3.77	ng	100
30) Bis(2-ethylhexyl)phthalate	21.00	149	69065	3.97	ng	99
31) Indeno(1,2,3-cd)pyrene	25.71	276	212748	3.70	ng	99
33) Benzo(b)fluoranthene	22.66	252	183956	4.04	ng	99
34) Benzo(k)fluoranthene	22.70	252	207453	3.91	ng	99
35) Benzo(a)pyrene	23.25	252	172913	4.24	ng	99
36) Dibenzo(a,h)anthracene	25.73	278	174391	3.55	ng	100
37) Benzo(g,h,i)perylene	26.43	276	182992	3.90	ng	99

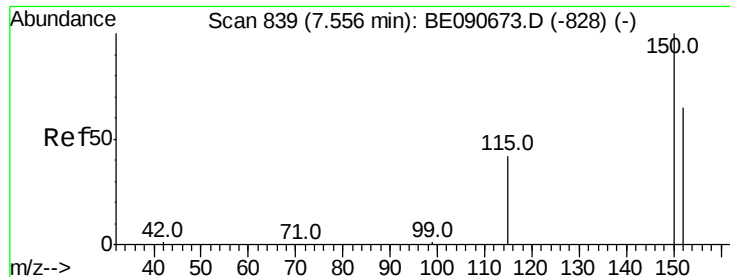
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 02 11:40:50 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

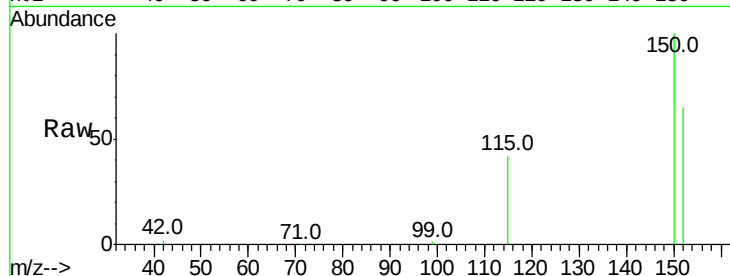
Tgt Ion:152 Resp: 34555

Ion Ratio Lower Upper

152 100

150 154.6 122.2 183.4

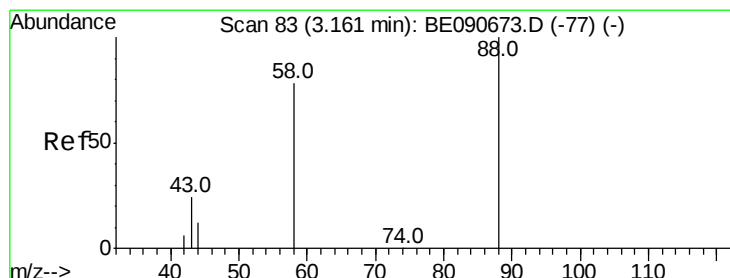
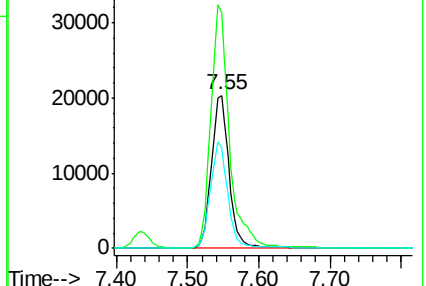
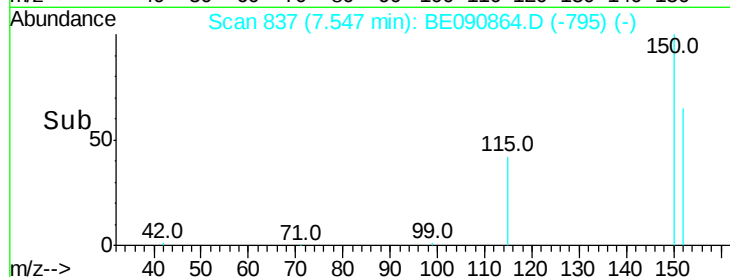
115 65.6 51.0 76.4



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: 3.36 ng

RT: 3.15 min Scan# 82

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

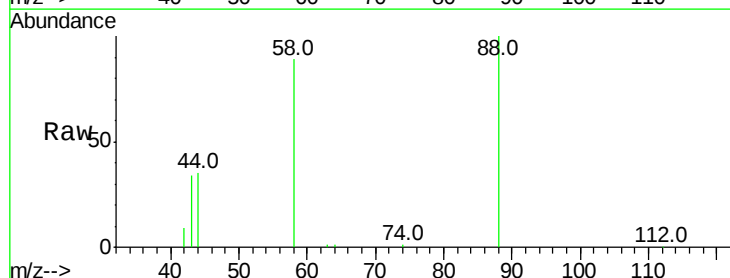
Tgt Ion: 88 Resp: 15353

Ion Ratio Lower Upper

88 100

58 89.5 68.4 102.6

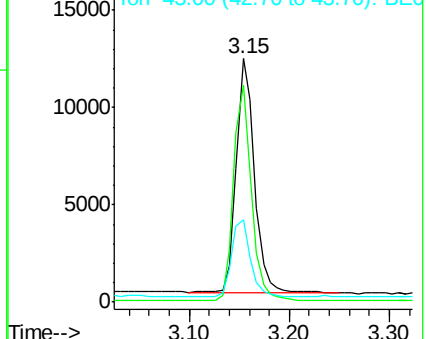
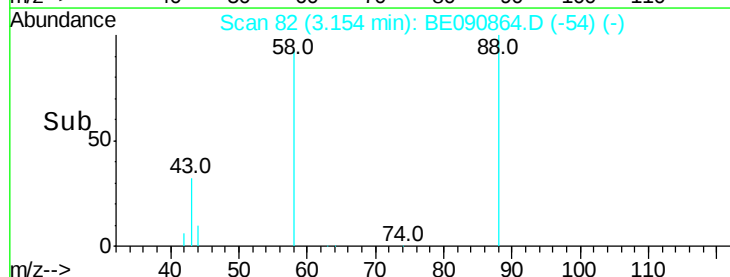
43 33.6 26.9 40.3

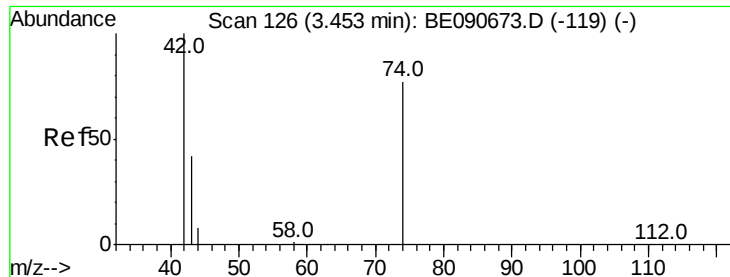


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



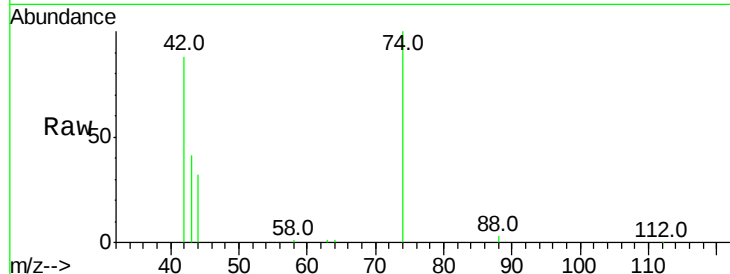


#3

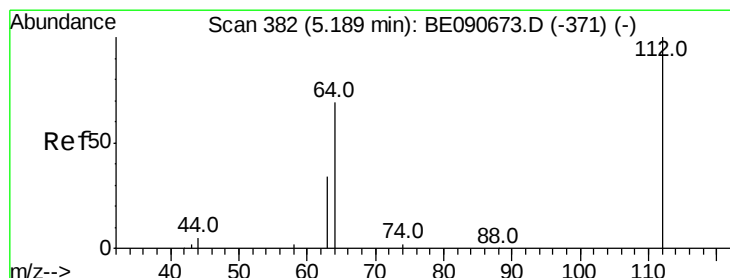
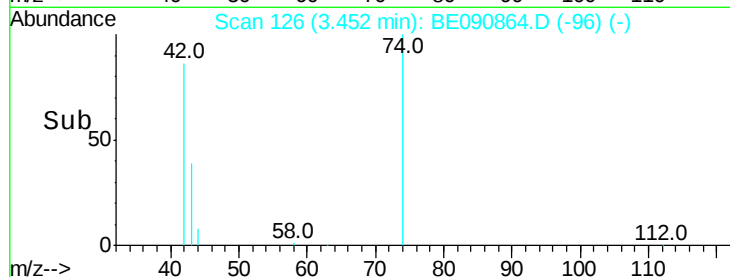
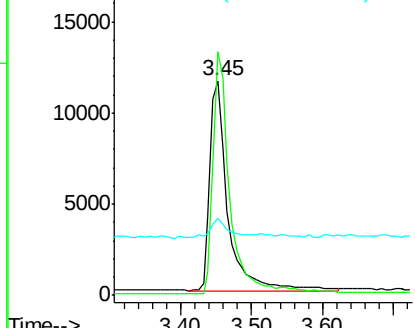
n-Nitrosodimethylamine
 Concen: 3.30 ng
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090864.D
 Acq: 17 Sep 2015 14:52

Instrument :
 BNA_E
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 PB85602BSD

Tgt Ion: 42 Resp: 20333
 Ion Ratio Lower Upper
 42 100
 74 110.3 83.7 125.5
 44 8.8 10.0 15.0#



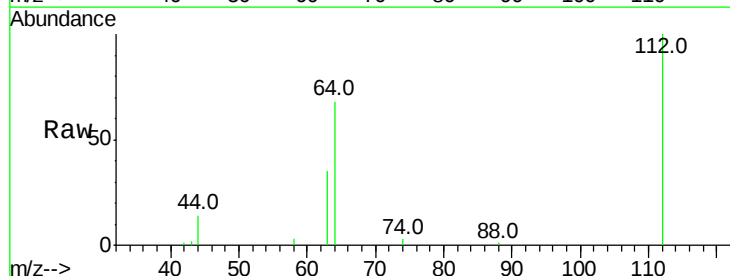
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



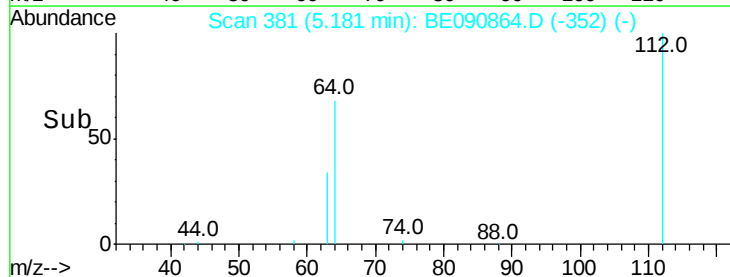
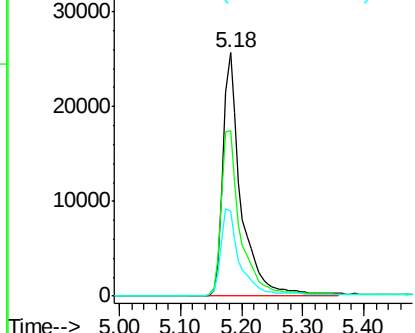
#4

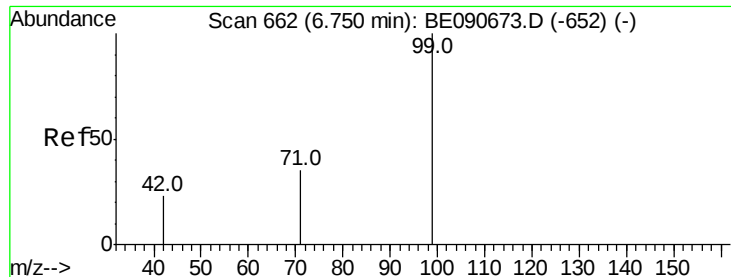
2-Fluorophenol
 Concen: 7.79 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090864.D
 Acq: 17 Sep 2015 14:52

Tgt Ion: 112 Resp: 52498
 Ion Ratio Lower Upper
 112 100
 64 72.2 57.3 85.9
 63 37.6 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.42 ng

RT: 6.74 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

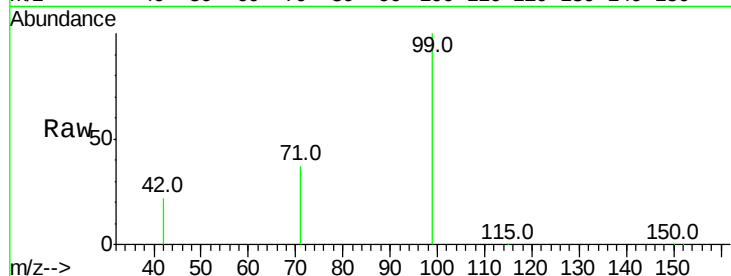
Tgt Ion: 99 Resp: 81034

Ion Ratio Lower Upper

99 100

42 22.1 16.8 25.2

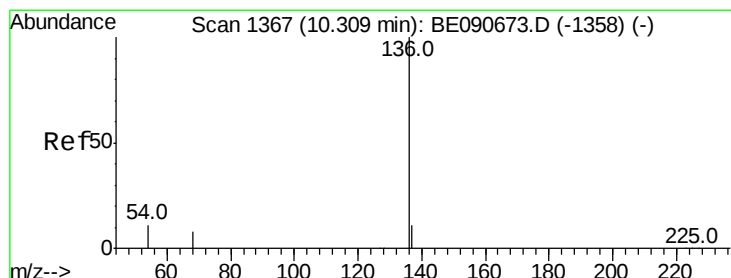
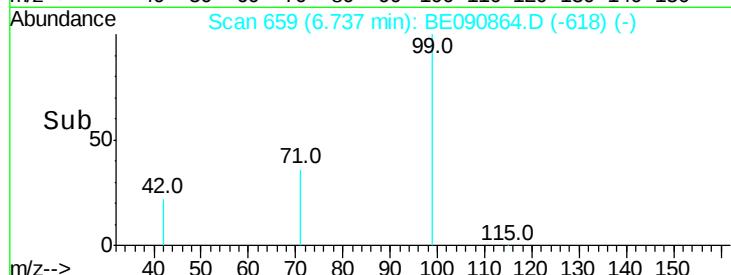
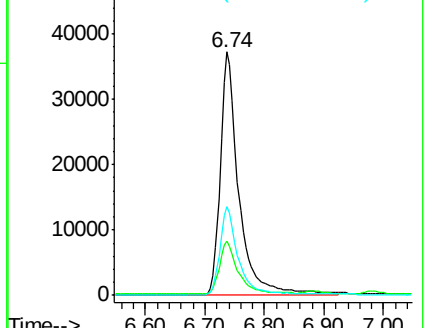
71 36.3 28.3 42.5



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# 1365

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Tgt Ion: 136 Resp: 164220

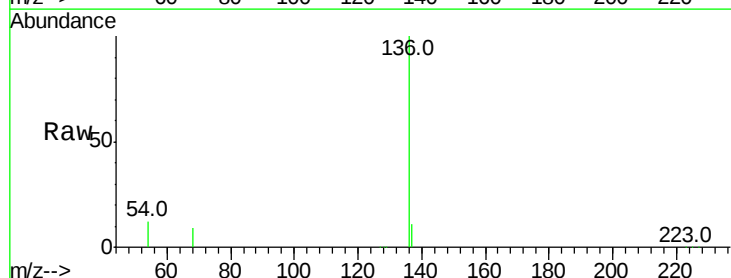
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 12.4 9.0 13.6

68 8.8 6.3 9.5

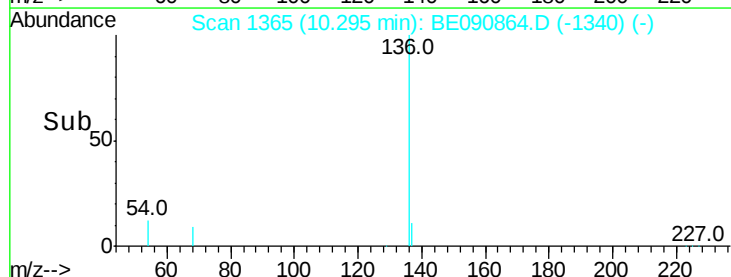
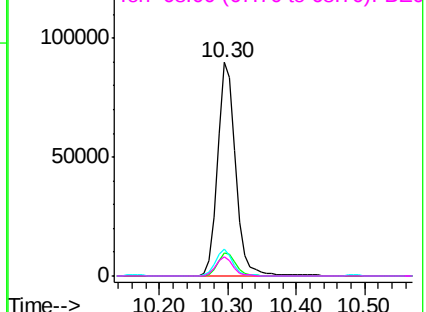


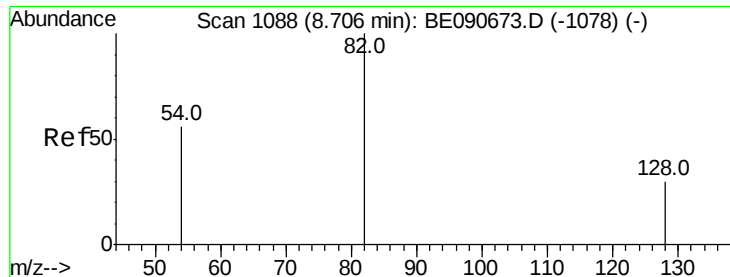
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.77 ng

RT: 8.69 min Scan# 1084

Delta R.T. -0.02 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

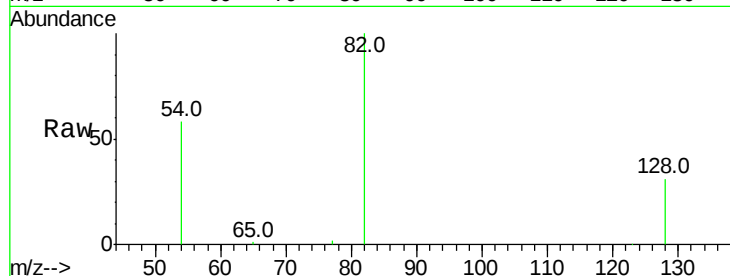
Tgt Ion: 82 Resp: 40921

Ion Ratio Lower Upper

82 100

128 30.8 25.0 37.4

54 57.6 46.3 69.5

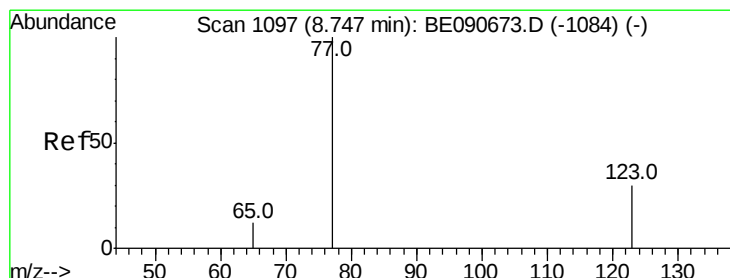
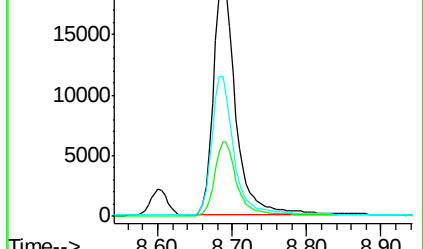
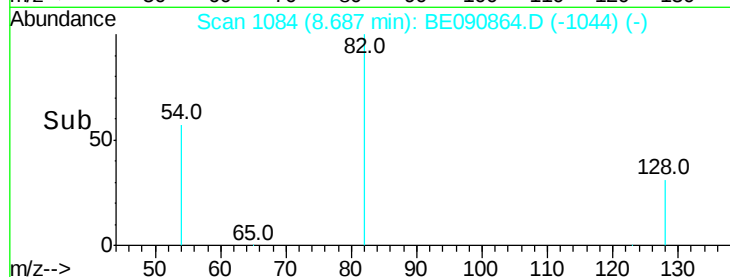


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#8

Nitrobenzene

Concen: 3.31 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.02 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

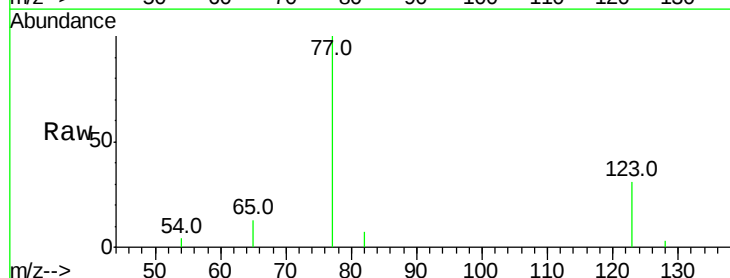
Tgt Ion: 77 Resp: 43625

Ion Ratio Lower Upper

77 100

123 32.2 25.1 37.7

65 12.5 9.9 14.9

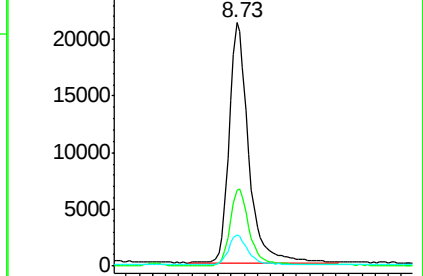
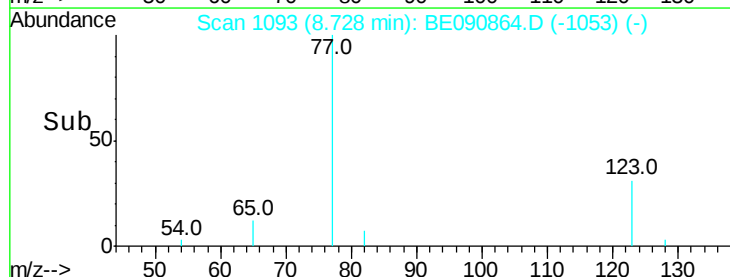


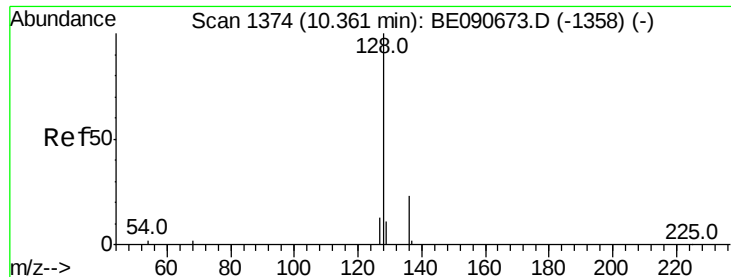
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Time-->





#9

Naphthalene

Concen: 3.18 ng

RT: 10.35 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

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ClientSampleId :

PB85602BSD

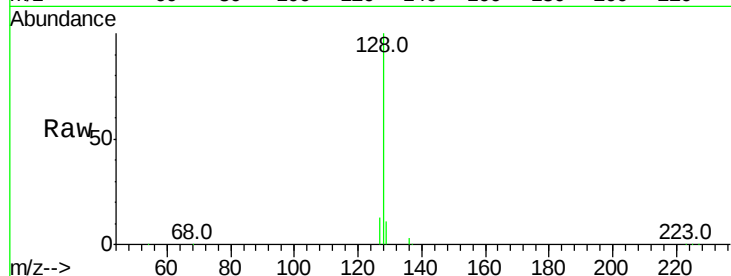
Tgt Ion:128 Resp: 113850

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

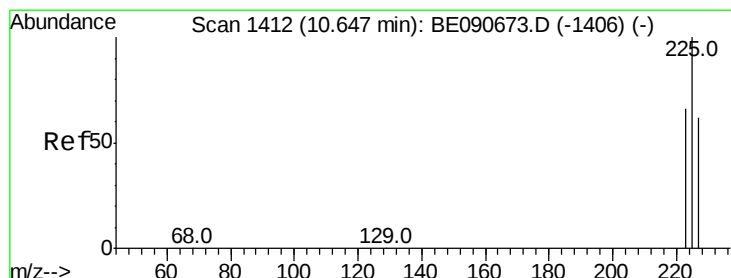
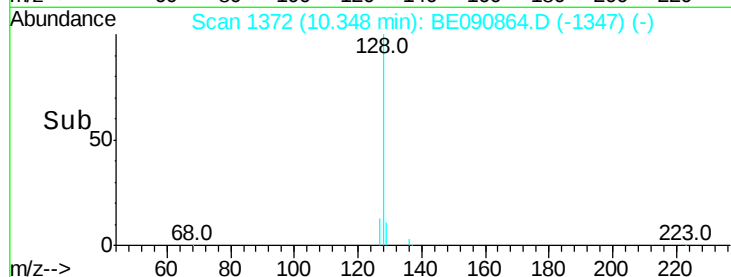
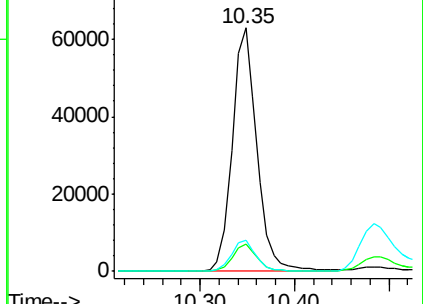
127 12.7 10.6 15.8



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: 3.01 ng

RT: 10.64 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

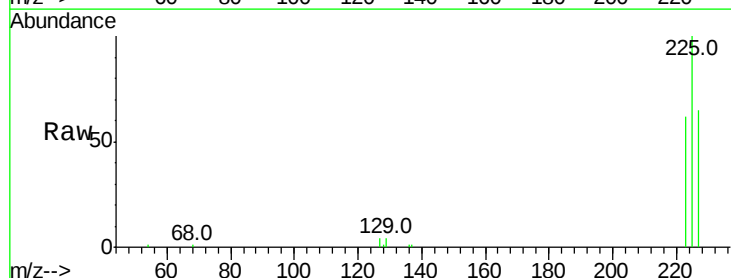
Tgt Ion:225 Resp: 16871

Ion Ratio Lower Upper

225 100

223 62.3 50.6 76.0

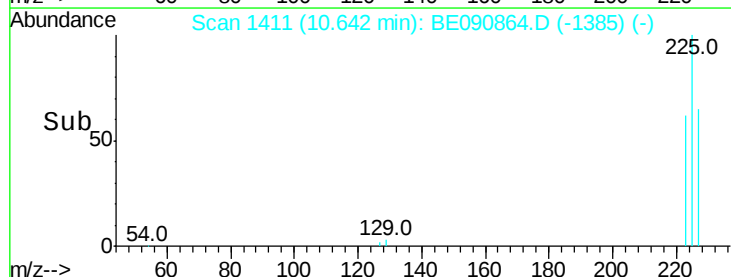
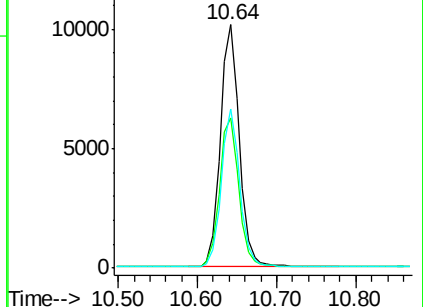
227 63.5 51.0 76.6

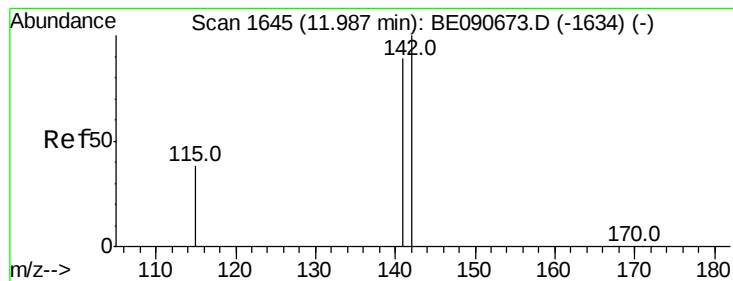


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.79 ng

RT: 11.97 min Scan# 1641

Delta R.T. -0.02 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

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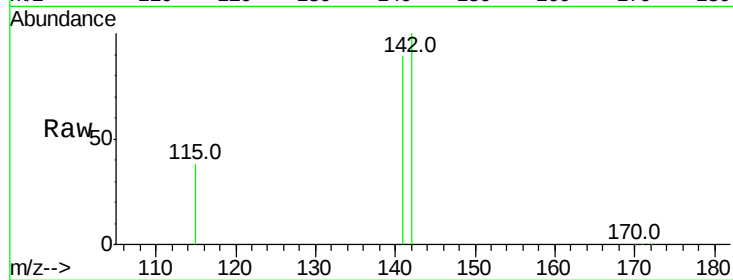
Tgt Ion:142 Resp: 73500

Ion Ratio Lower Upper

142 100

141 88.9 71.4 107.2

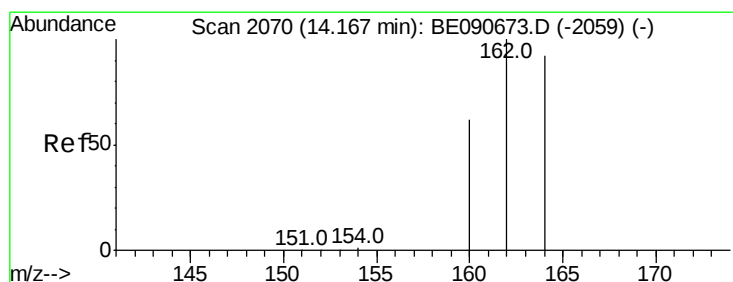
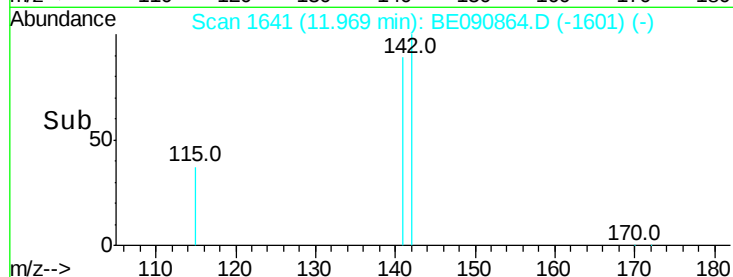
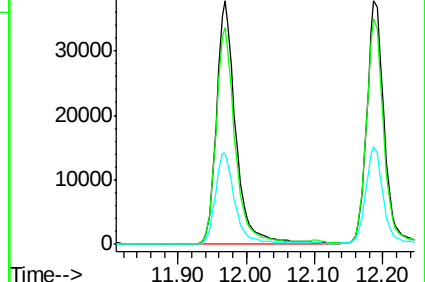
115 37.5 31.0 46.4



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: 14.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

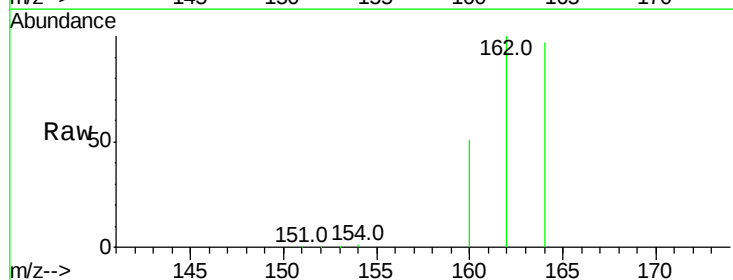
Tgt Ion:164 Resp: 88047

Ion Ratio Lower Upper

164 100

162 103.5 86.8 130.2

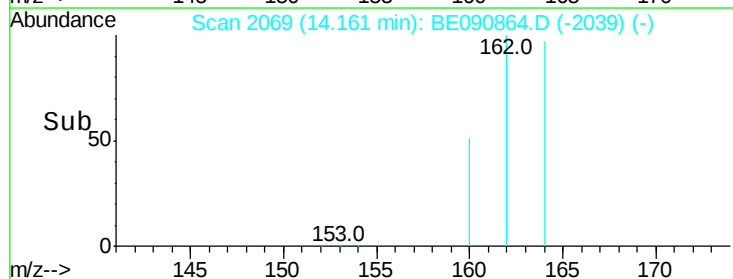
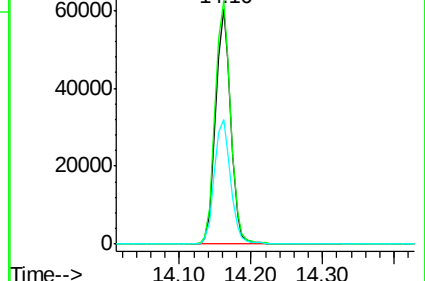
160 53.0 53.9 80.9#

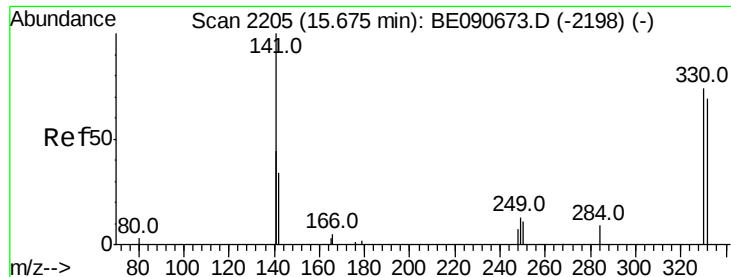


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

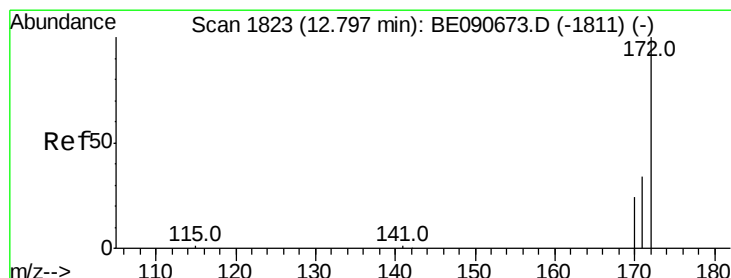
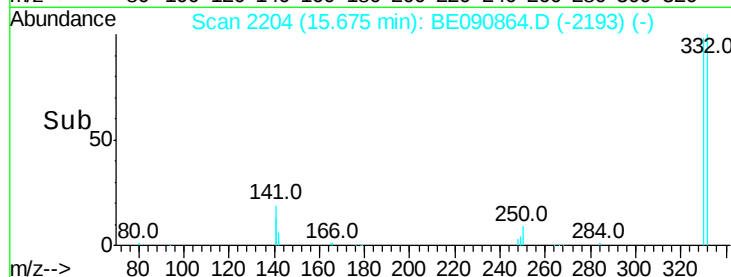
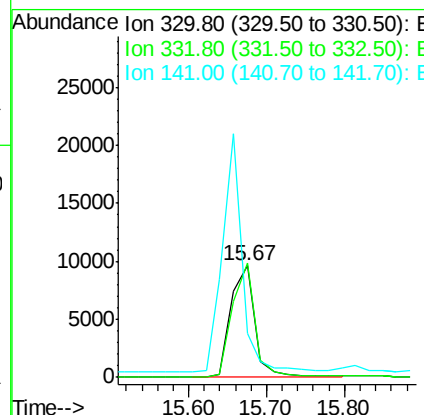
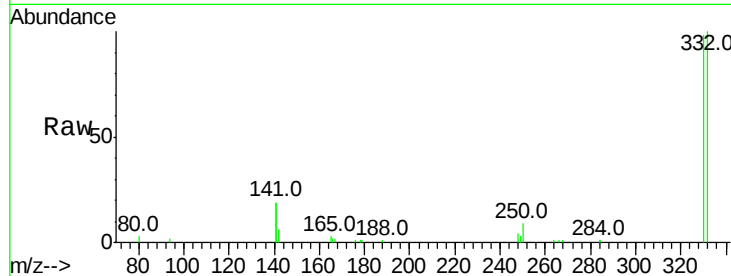




#13
 2,4,6-Tribromophenol
 Concen: 7.92 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090864.D
 Acq: 17 Sep 2015 14:52

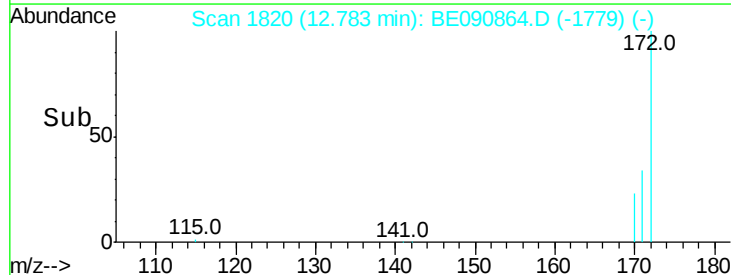
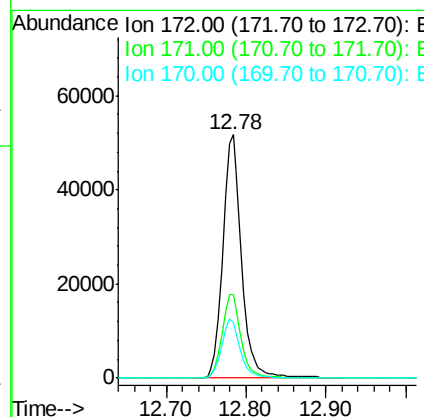
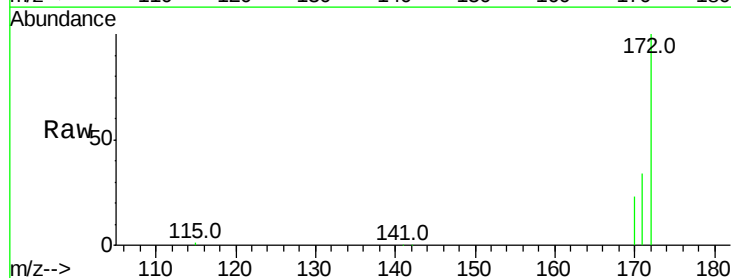
Instrument :
 BNA_E
 ClientSampleId :
 PB85602BSD

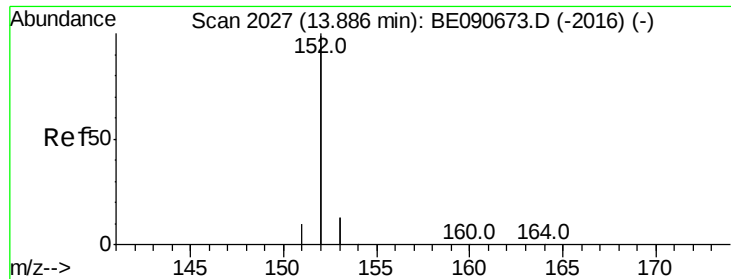
Tgt Ion:330 Resp: 20457
 Ion Ratio Lower Upper
 330 100
 332 97.3 74.9 112.3
 141 175.1 145.2 217.8



#14
 2-Fluorobiphenyl
 Concen: 3.43 ng
 RT: 12.78 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BE090864.D
 Acq: 17 Sep 2015 14:52

Tgt Ion:172 Resp: 83564
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.8 41.8
 170 22.8 19.8 29.6





#15

Acenaphthylene

Concen: 3.54 ng

RT: 13.87 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

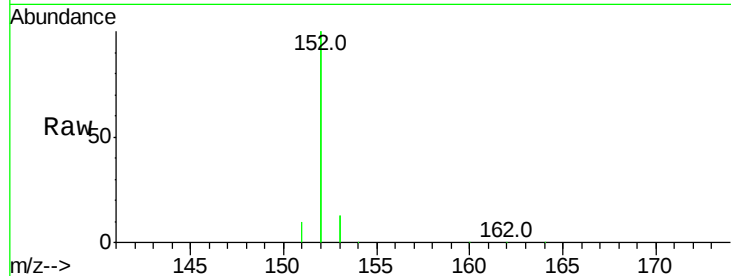
Tgt Ion:152 Resp: 498339

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

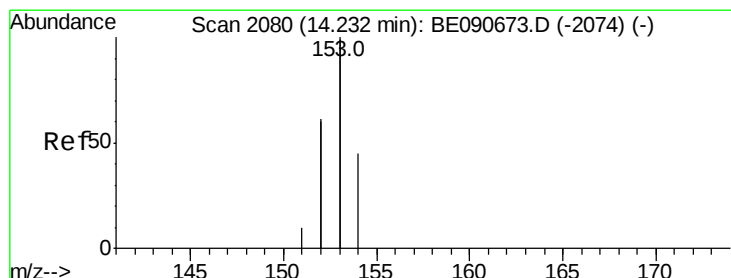
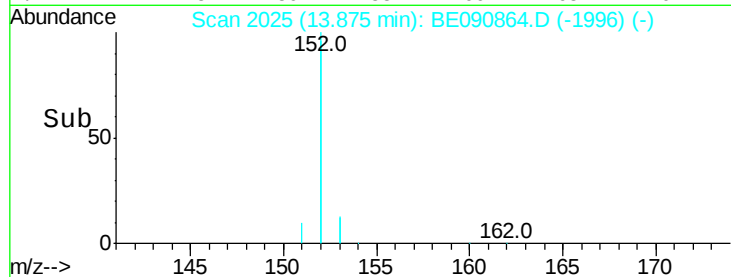
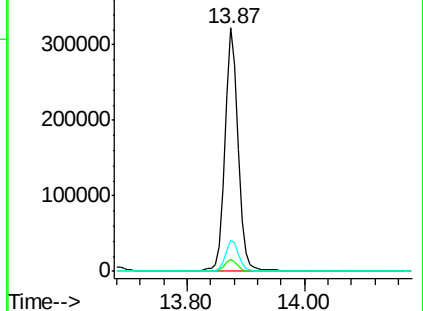
153 12.9 10.3 15.5



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: 3.30 ng

RT: 14.22 min Scan# 2078

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

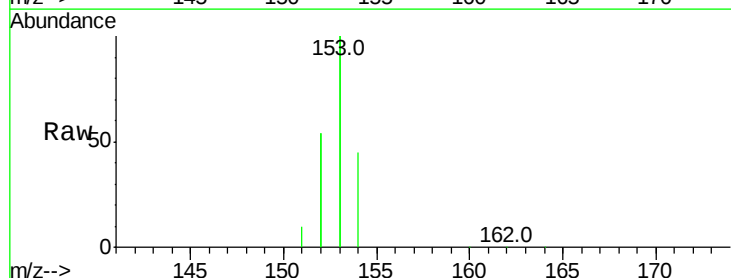
Tgt Ion:154 Resp: 77529

Ion Ratio Lower Upper

154 100

153 438.5 354.5 531.7

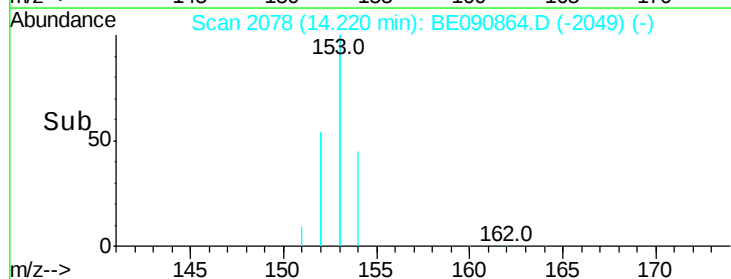
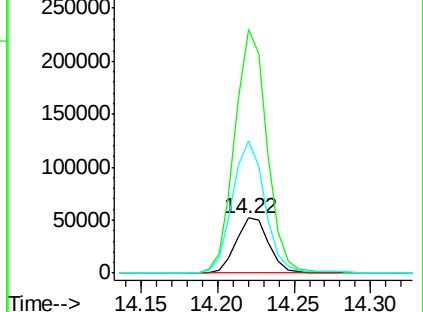
152 241.2 227.8 341.6

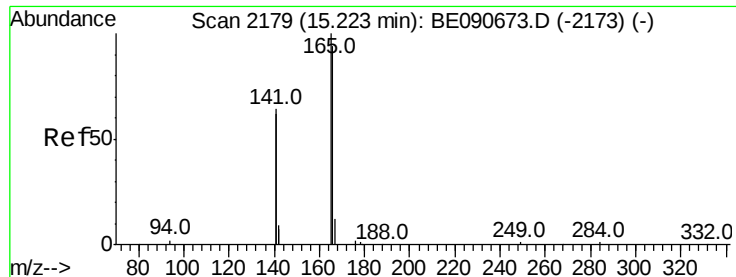


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 3.42 ng

RT: 15.22 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

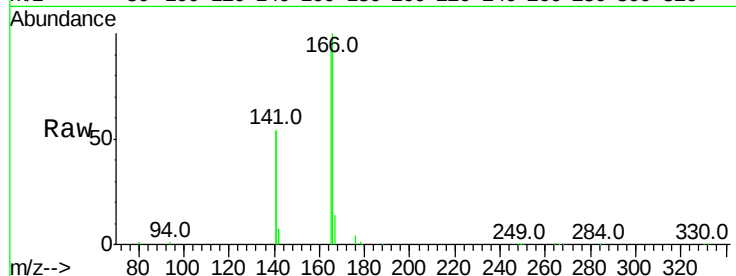
Tgt Ion:166 Resp: 100194

Ion Ratio Lower Upper

166 100

165 98.3 82.7 124.1

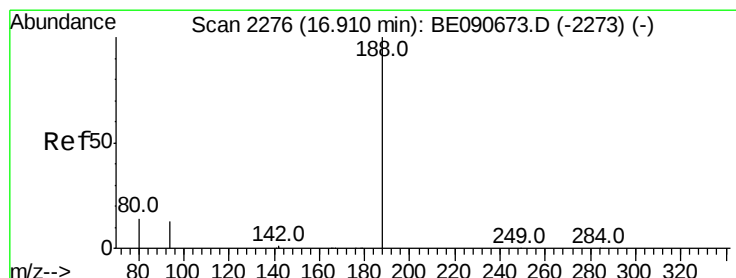
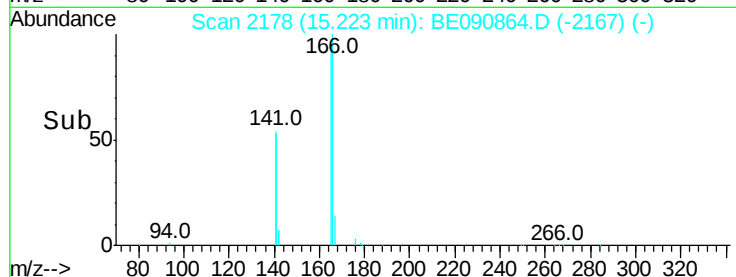
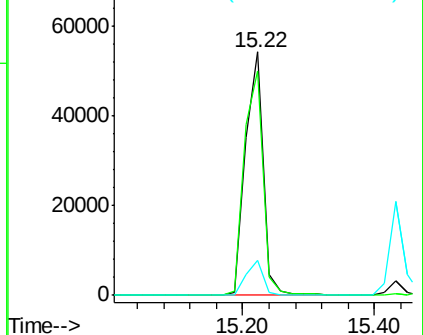
167 13.6 10.7 16.1



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# 2275

Delta R.T. -0.00 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

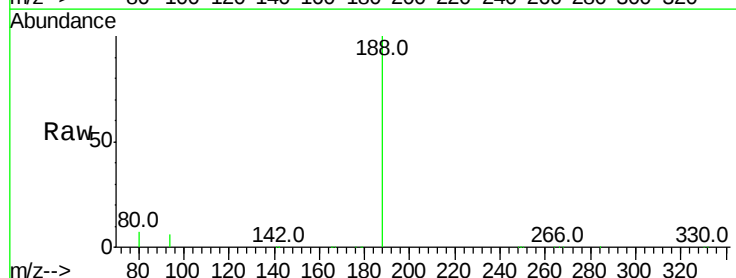
Tgt Ion:188 Resp: 199914

Ion Ratio Lower Upper

188 100

94 6.2 10.3 15.5#

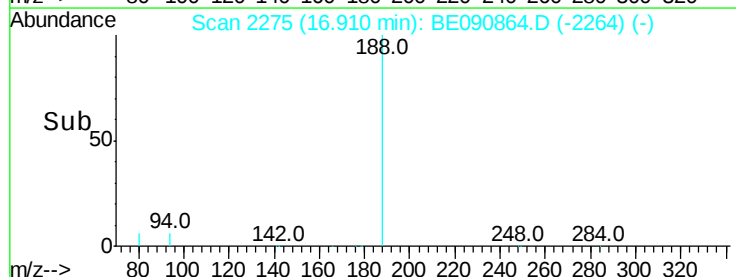
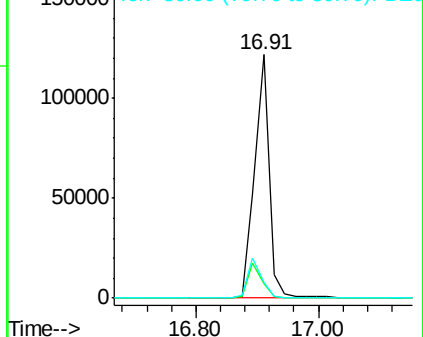
80 6.6 11.0 16.6#

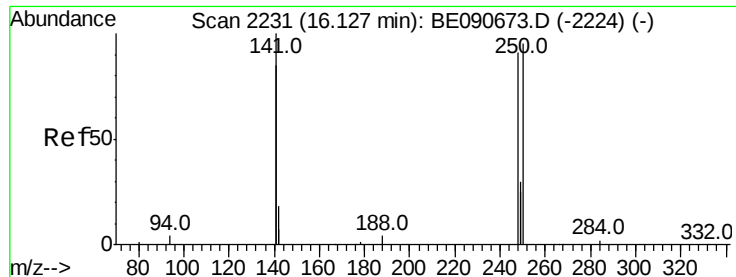


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#19

4-Bromophenyl-phenylether

Concen: 3.86 ng

RT: 16.11 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

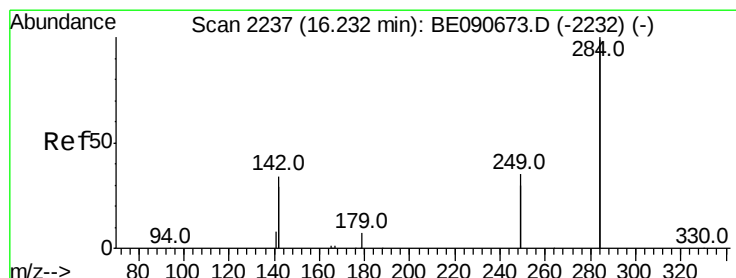
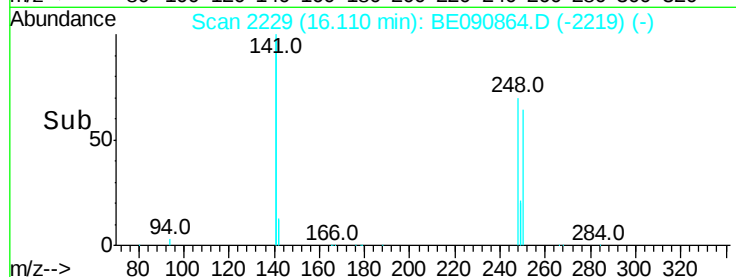
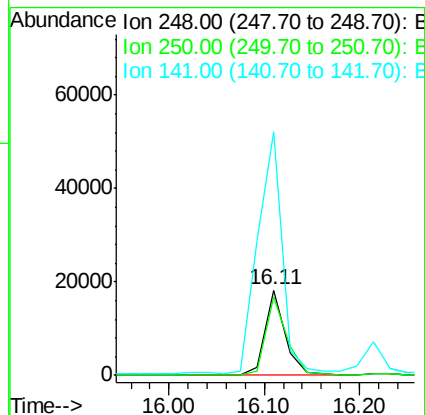
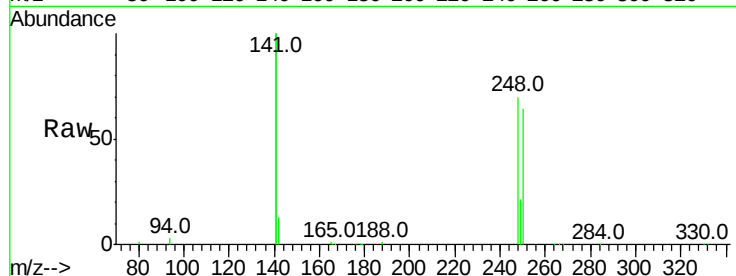
Tgt Ion:248 Resp: 26282

Ion Ratio Lower Upper

248 100

250 97.4 76.7 115.1

141 346.4 292.6 439.0



#20

Hexachlorobenzene

Concen: 3.72 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

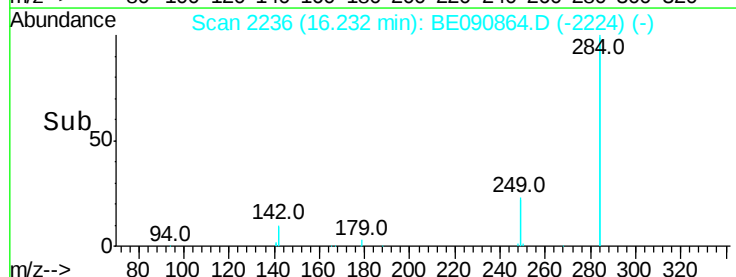
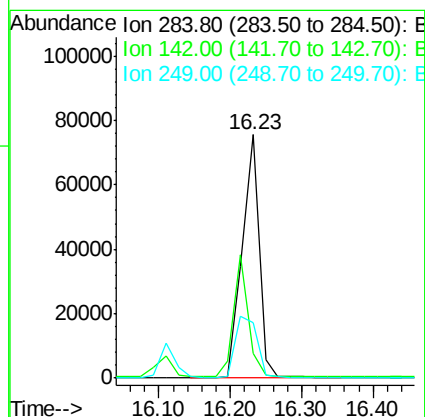
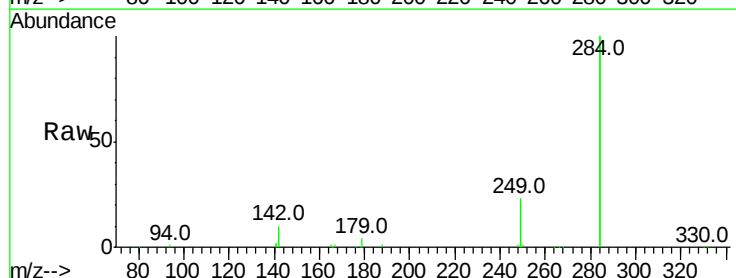
Tgt Ion:284 Resp: 122125

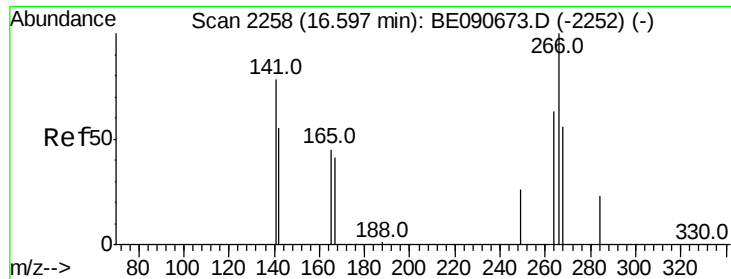
Ion Ratio Lower Upper

284 100

142 43.4 35.0 52.4

249 31.9 25.5 38.3

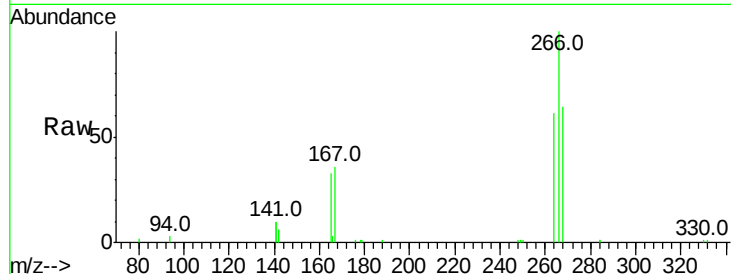




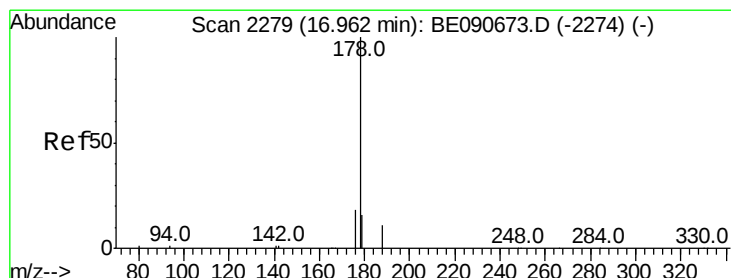
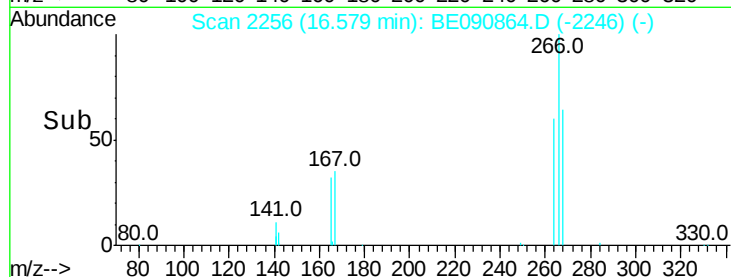
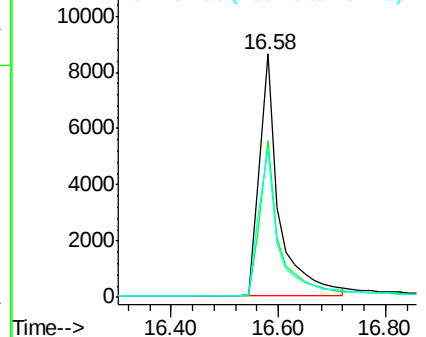
#21
 Pentachlorophenol
 Concen: 7.83 ng
 RT: 16.58 min Scan# 2256
 Delta R.T. -0.02 min
 Lab File: BE090864.D
 Acq: 17 Sep 2015 14:52

Instrument :
 BNA_E
 ClientSampleId :
 PB85602BSD

Tgt Ion: 266 Resp: 21702
 Ion Ratio Lower Upper
 266 100
 268 64.1 49.6 74.4
 264 60.6 53.9 80.9

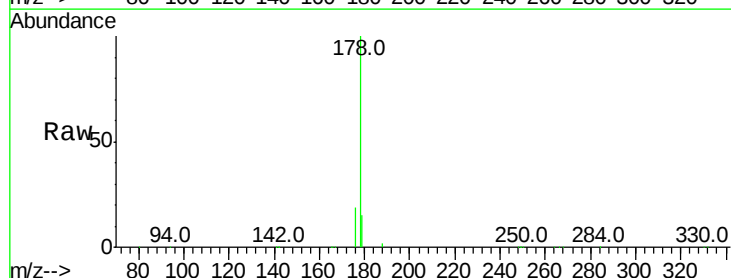


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

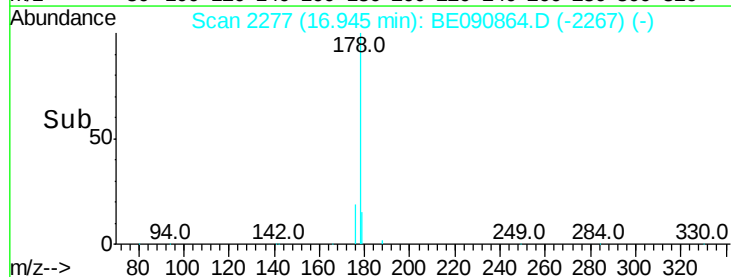
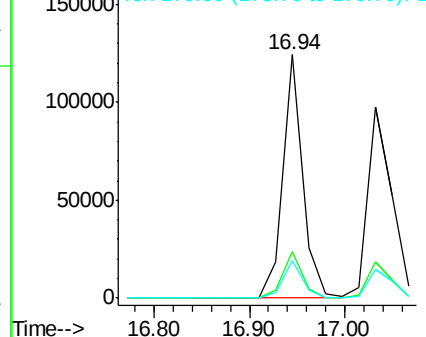


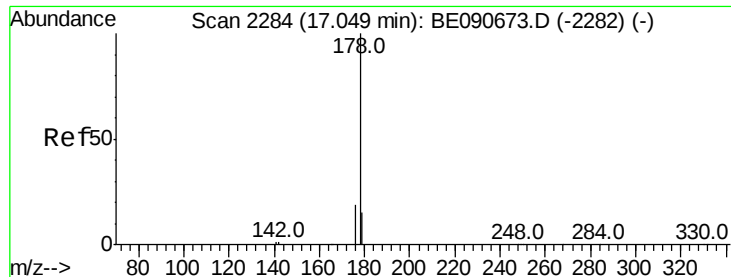
#22
 Phenanthrene
 Concen: 3.63 ng
 RT: 16.94 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BE090864.D
 Acq: 17 Sep 2015 14:52

Tgt Ion: 178 Resp: 179419
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.6 23.4
 179 15.5 12.8 19.2



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





#23

Anthracene

Concen: 4.14 ng

RT: 17.03 min Scan# 2282

Delta R.T. -0.02 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

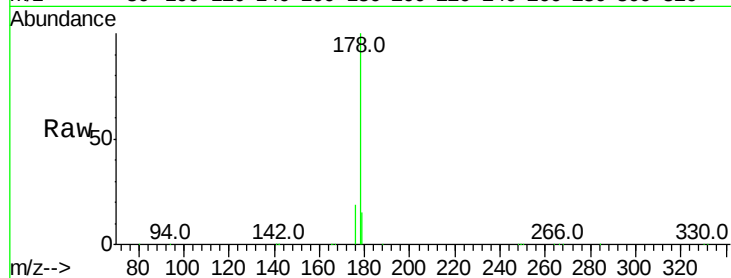
Tgt Ion:178 Resp: 171085

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

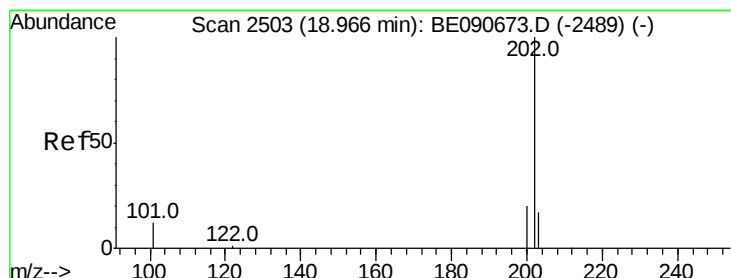
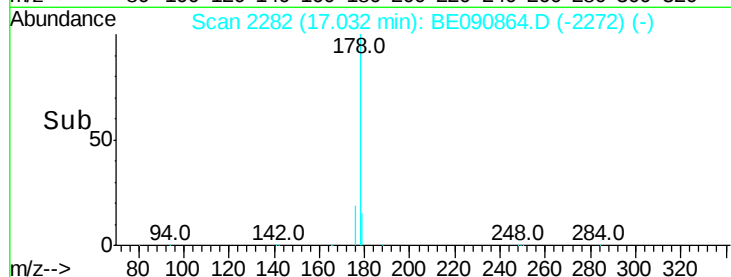
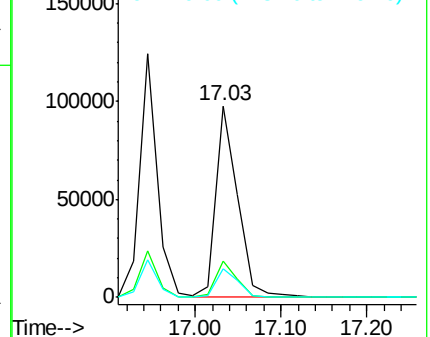
179 15.4 12.3 18.5



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: 3.80 ng

RT: 18.95 min Scan# 2499

Delta R.T. -0.02 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

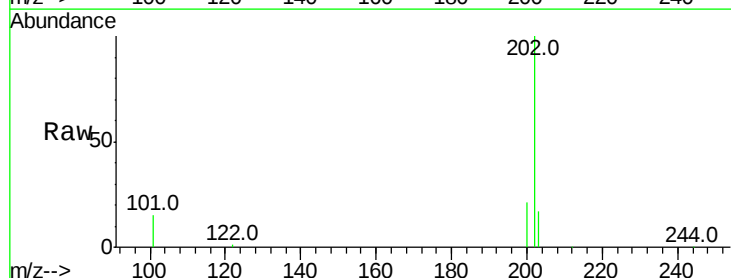
Tgt Ion:202 Resp: 198182

Ion Ratio Lower Upper

202 100

101 14.4 11.0 16.6

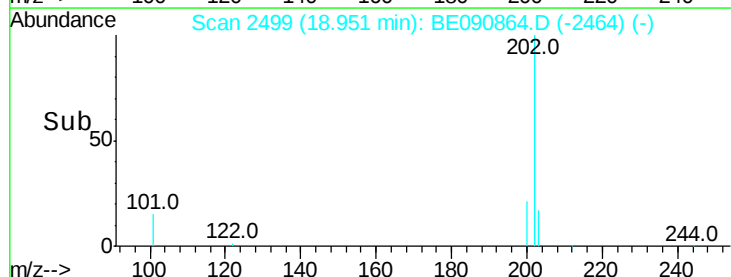
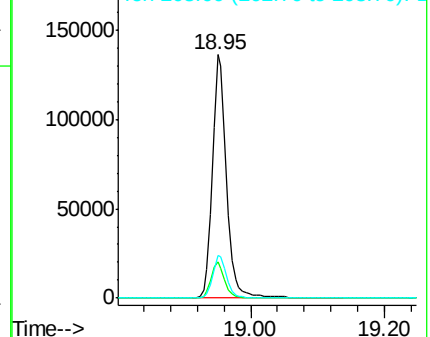
203 17.3 13.9 20.9

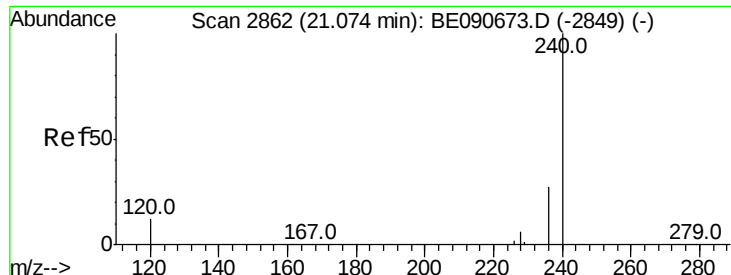


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2859

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

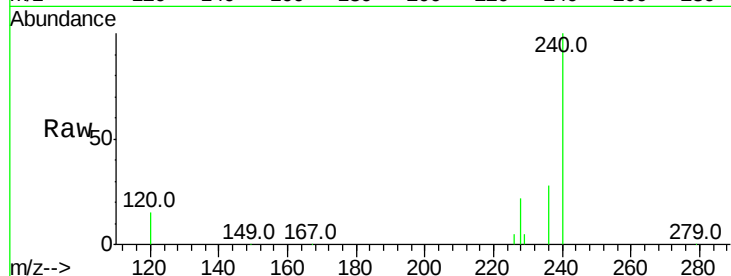
Tgt Ion:240 Resp: 243544

Ion Ratio Lower Upper

240 100

120 14.5 10.1 15.1

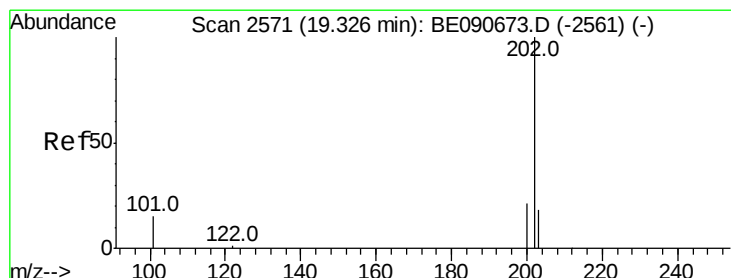
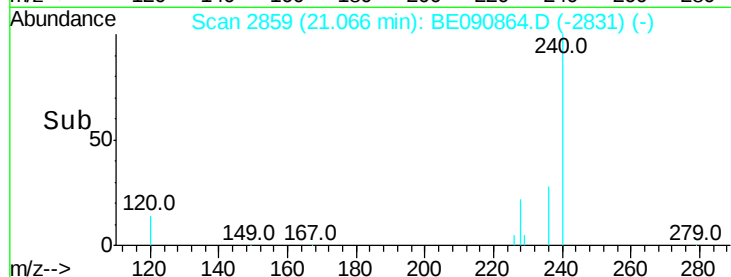
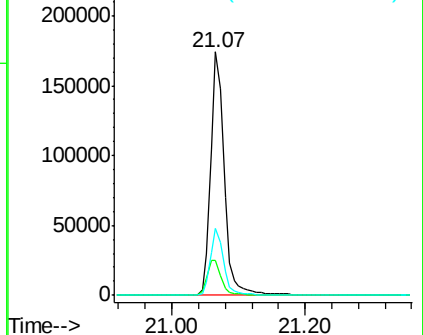
236 27.5 21.9 32.9



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: 4.34 ng

RT: 19.32 min Scan# 2568

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

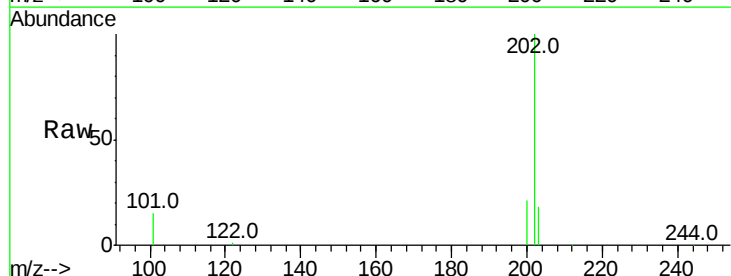
Tgt Ion:202 Resp: 218952

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

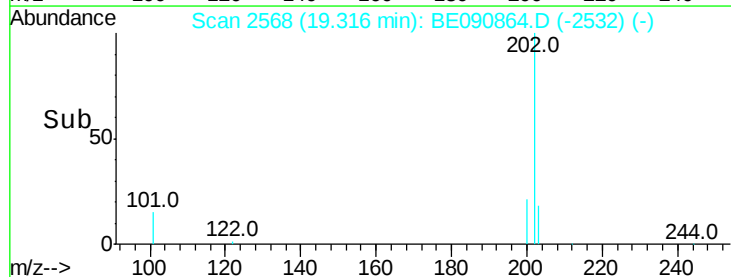
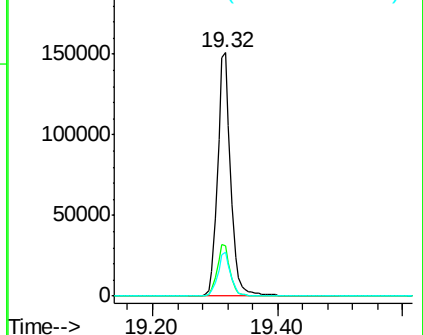
203 17.8 13.8 20.6

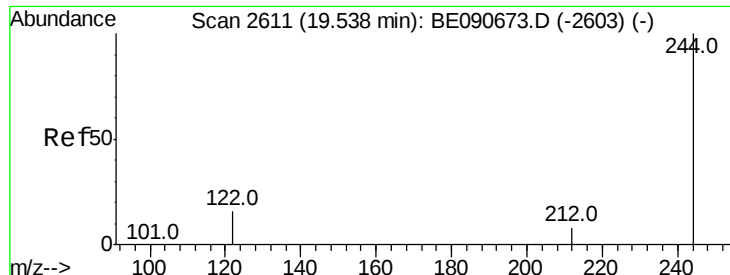


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

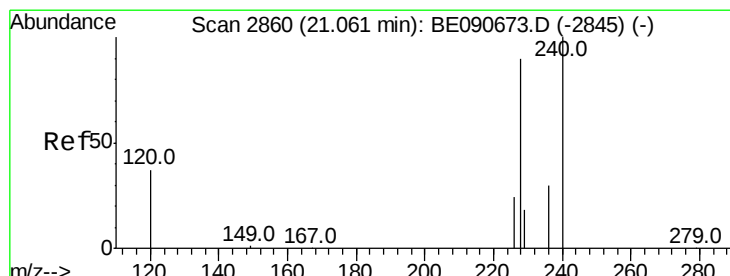
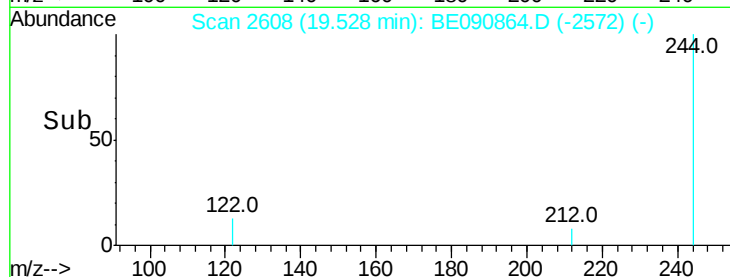
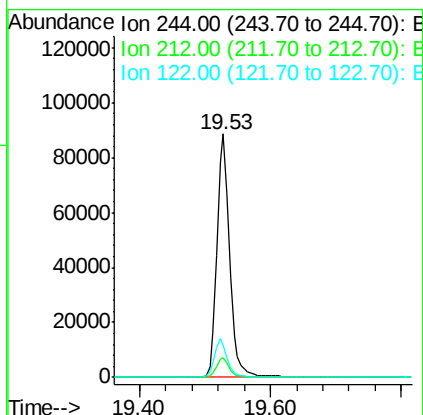
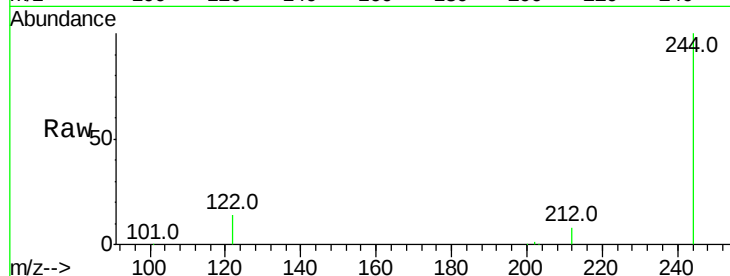




#27
 Terphenyl-d14
 Concen: 4.43 ng
 RT: 19.53 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BE090864.D
 Acq: 17 Sep 2015 14:52

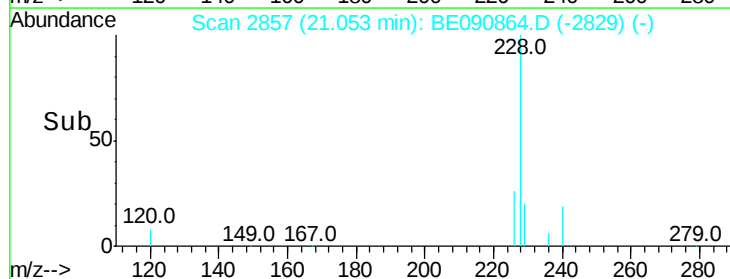
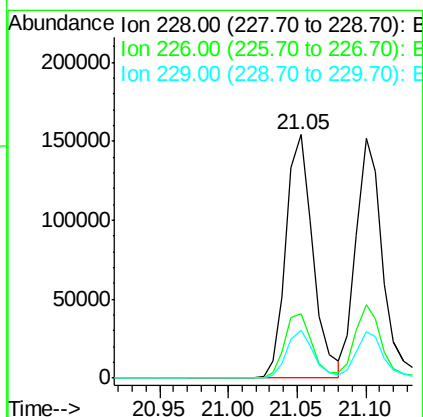
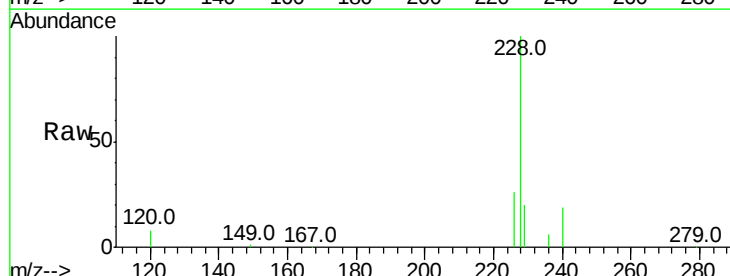
Instrument :
 BNA_E
 ClientSampleId :
 PB85602BSD

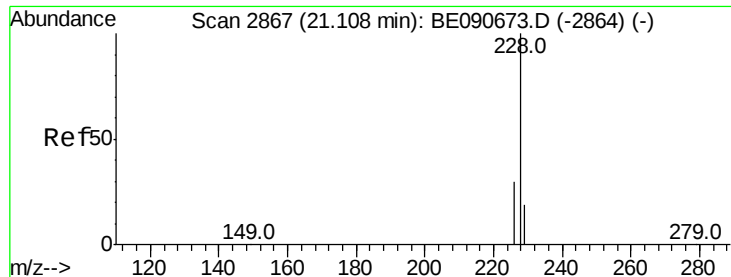
Tgt Ion:244 Resp: 119367
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.9 10.3
 122 13.5 12.9 19.3



#28
 Benzo(a)anthracene
 Concen: 3.94 ng
 RT: 21.05 min Scan# 2857
 Delta R.T. -0.01 min
 Lab File: BE090864.D
 Acq: 17 Sep 2015 14:52

Tgt Ion:228 Resp: 210302
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.6 32.4
 229 19.6 15.9 23.9





#29

Chrysene

Concen: 3.77 ng

RT: 21.10 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

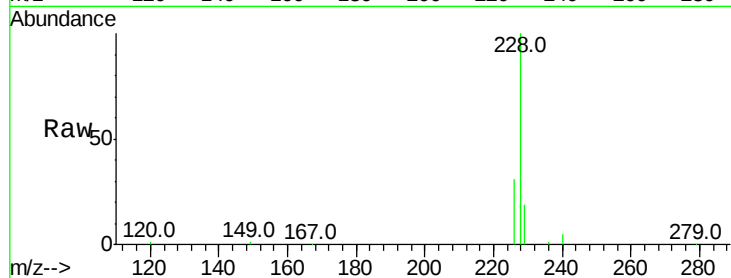
Tgt Ion:228 Resp: 212921

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.4

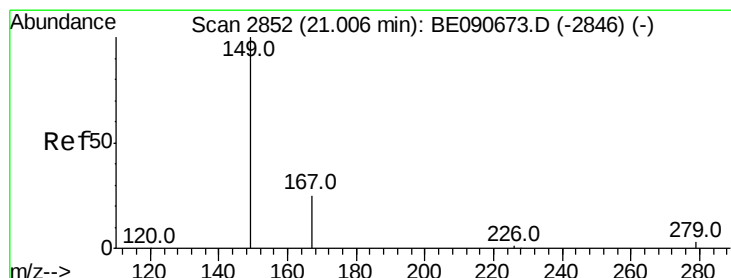
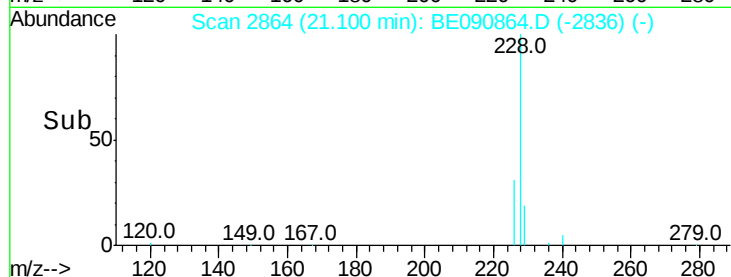
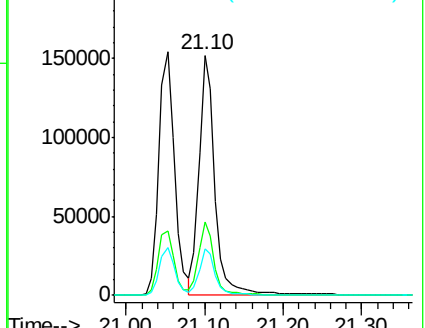
229 19.1 15.3 22.9



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 3.97 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

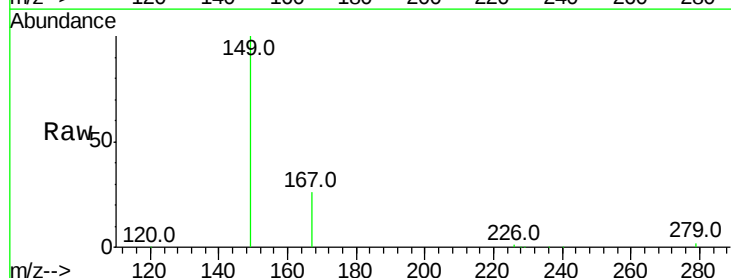
Tgt Ion:149 Resp: 69065

Ion Ratio Lower Upper

149 100

167 25.7 20.1 30.1

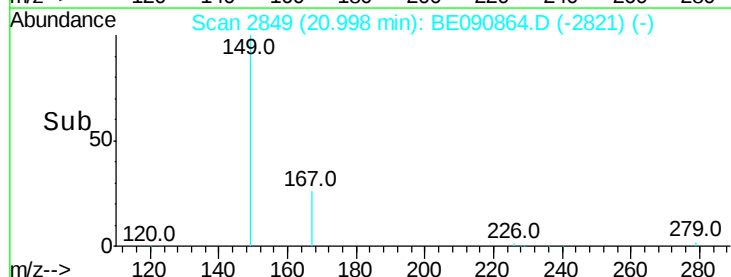
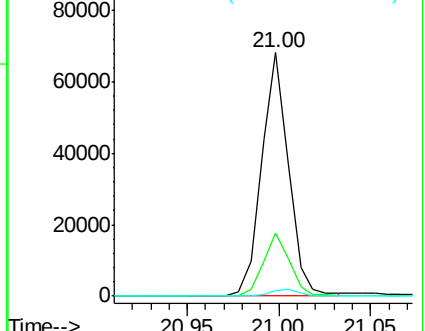
279 3.0 2.3 3.5

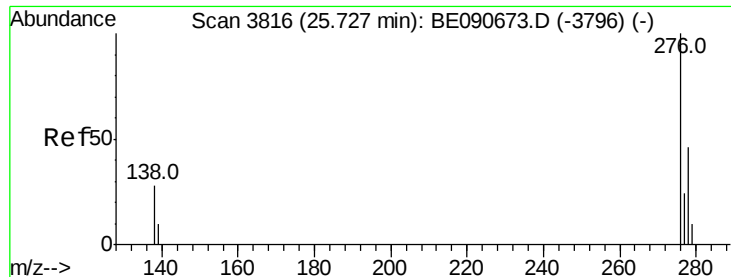


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.70 ng

RT: 25.71 min Scan# 3811

Delta R.T. -0.02 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

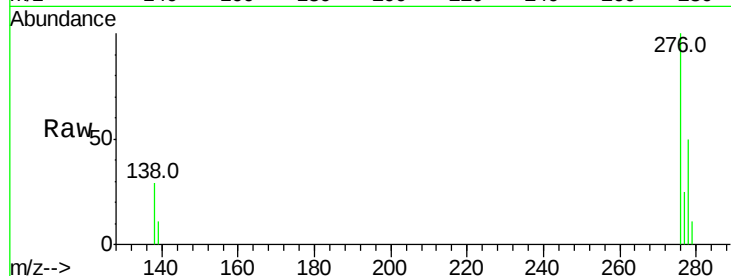
Tgt Ion:276 Resp: 212748

Ion Ratio Lower Upper

276 100

138 30.1 23.3 34.9

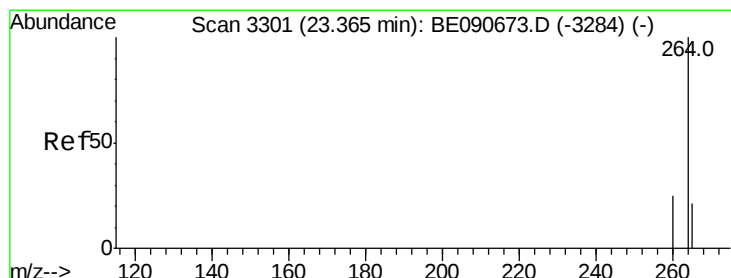
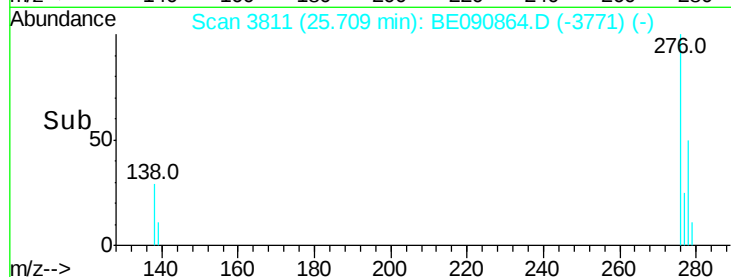
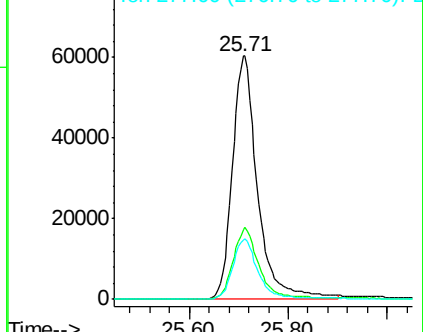
277 25.1 19.8 29.6



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: 23.35 min Scan# 3297

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

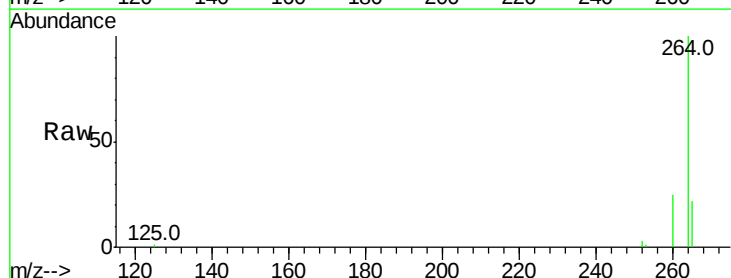
Tgt Ion:264 Resp: 210234

Ion Ratio Lower Upper

264 100

260 25.0 19.7 29.5

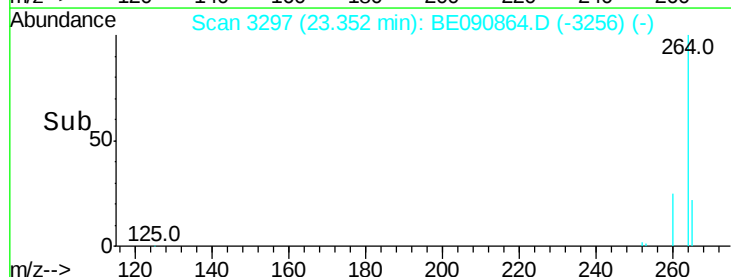
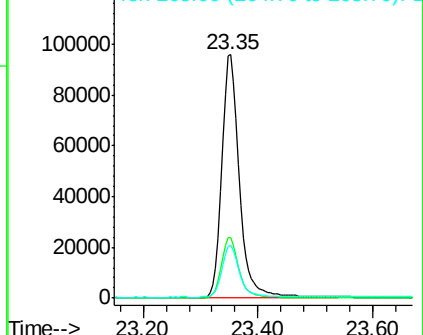
265 22.0 17.5 26.3

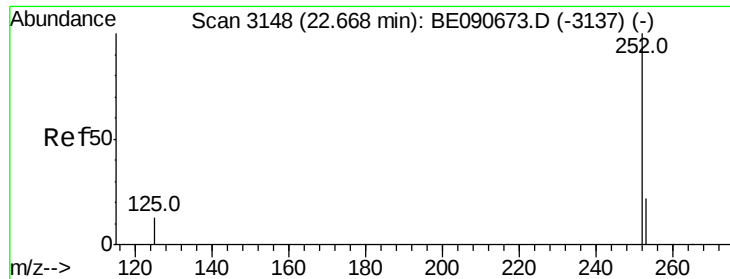


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 4.04 ng

RT: 22.66 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

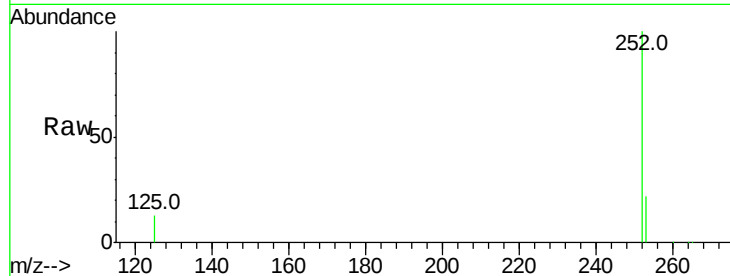
Tgt Ion:252 Resp: 183956

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

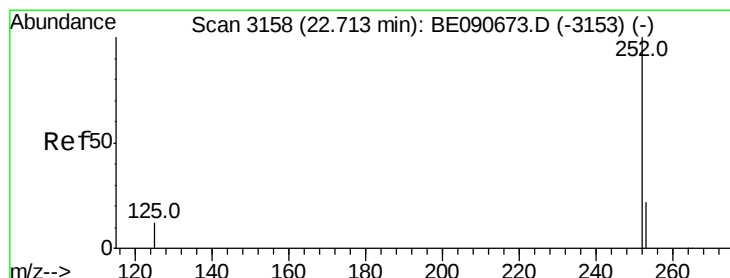
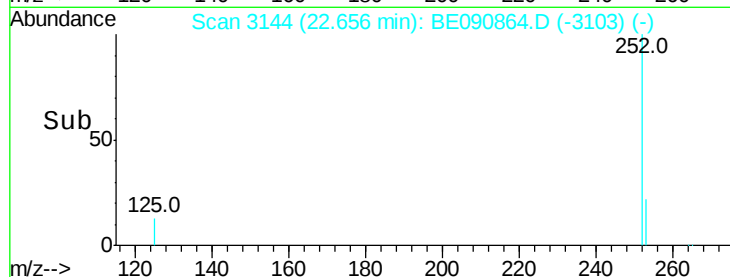
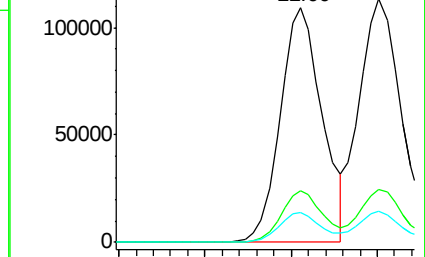
125 12.7 10.6 16.0



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: 3.91 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

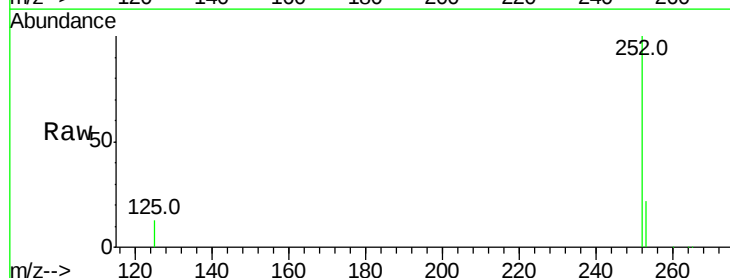
Tgt Ion:252 Resp: 207453

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

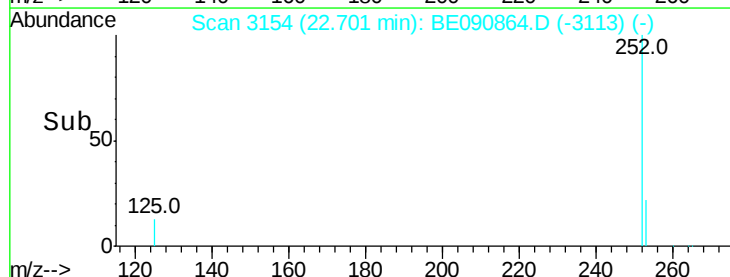
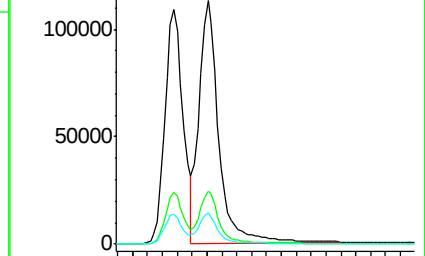
125 12.8 10.1 15.1

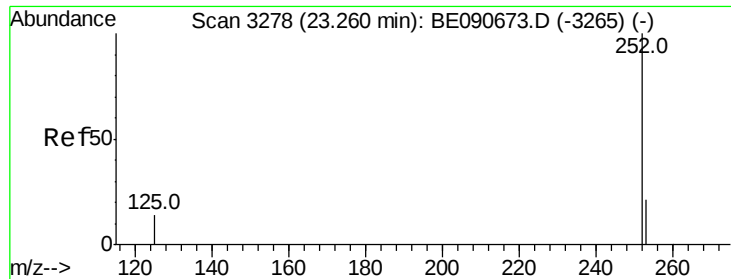


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 4.24 ng

RT: 23.25 min Scan# 3274

Delta R.T. -0.01 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

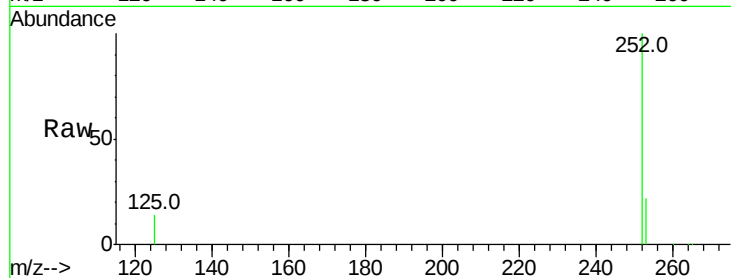
Tgt Ion:252 Resp: 172913

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

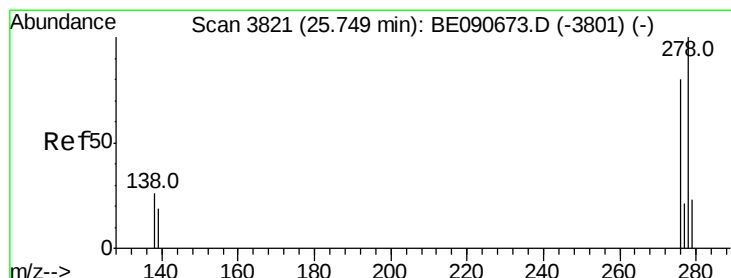
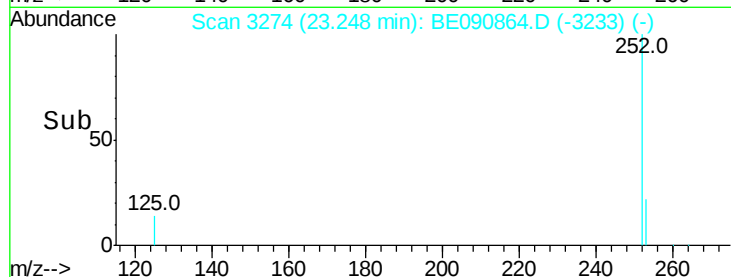
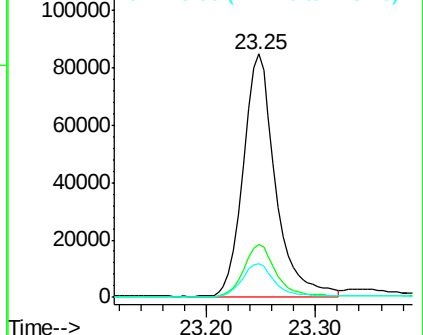
125 14.0 11.6 17.4



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: 3.55 ng

RT: 25.73 min Scan# 3815

Delta R.T. -0.02 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

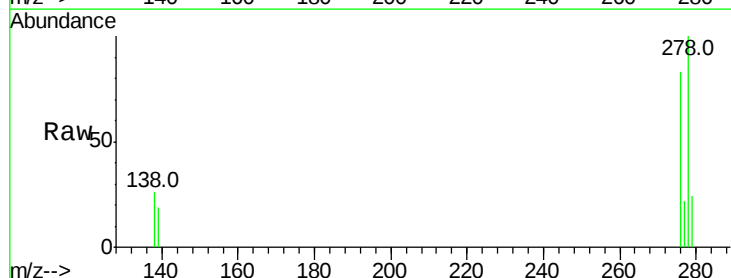
Tgt Ion:278 Resp: 174391

Ion Ratio Lower Upper

278 100

139 19.1 15.4 23.0

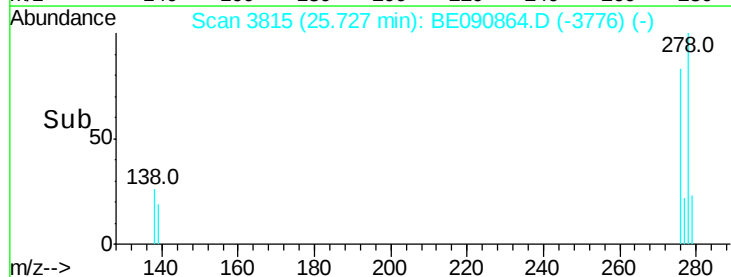
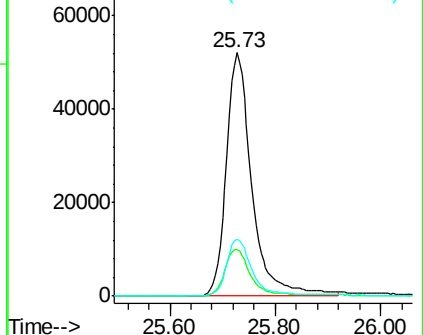
279 23.5 18.8 28.2

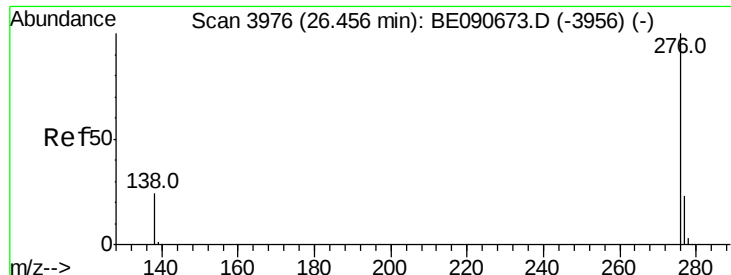


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.90 ng

RT: 26.43 min Scan# 3970

Delta R.T. -0.02 min

Lab File: BE090864.D

Acq: 17 Sep 2015 14:52

Instrument :

BNA_E

ClientSampleId :

PB85602BSD

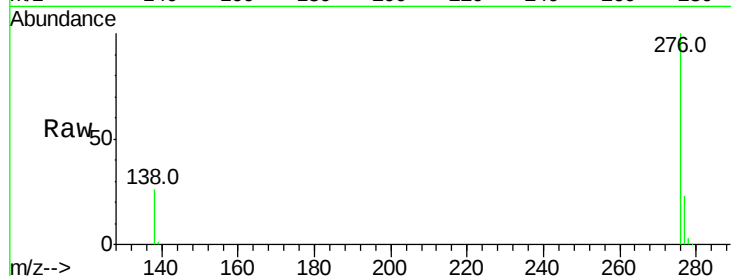
Tgt Ion: 276 Resp: 182992

Ion Ratio Lower Upper

276 100

277 23.4 18.5 27.7

138 25.9 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

