

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090023.D
 Acq On : 30 Jun 2015 22:45
 Operator : TP/IZ
 Sample : G2810-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600624-150625

Quant Time: Jul 01 05:19:29 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	13481	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	57744	5.00	ng	-0.02
12) Acenaphthene-d10	14.23	164	31494	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	71046	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	86592	5.00	ng	-0.01
32) Perylene-d12	23.44	264	85779	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	25690	8.30	ng	0.00
5) Phenol-d6	6.80	99	40396	9.32	ng	0.00
7) Nitrobenzene-d5	8.75	82	23628	5.15	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	10481	11.36	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	50857	5.37	ng	0.00
27) Terphenyl-d14	19.58	244	76879	5.33	ng	-0.01

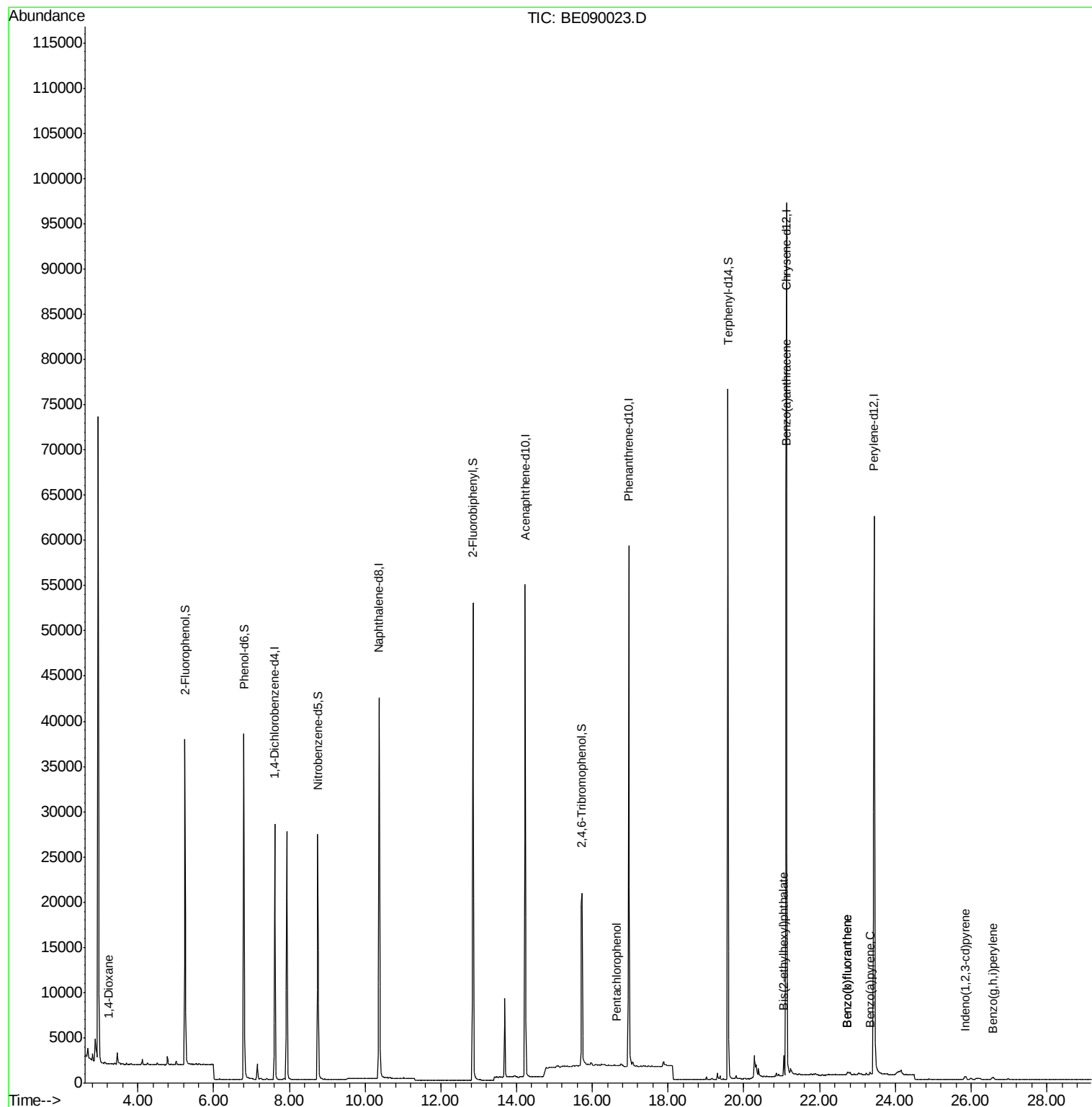
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	73	0.04	ng	# 50
21) Pentachlorophenol	16.63	266	10	0.26	ng	# 59
28) Benzo(a)anthracene	21.11	228	606	0.03	ng	# 65
30) Bis(2-ethylhexyl)phthalate	21.05	149	2062	0.50	ng	# 99
31) Indeno(1,2,3-cd)pyrene	25.84	276	554	0.03	ng	# 88
33) Benzo(b)fluoranthene	22.74	252	515	0.03	ng	# 19
34) Benzo(k)fluoranthene	22.74	252	515	0.02	ng	# 18
35) Benzo(a)pyrene	23.33	252	457	0.03	ng	# 7
37) Benzo(g,h,i)perylene	26.57	276	497	0.03	ng	# 42

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

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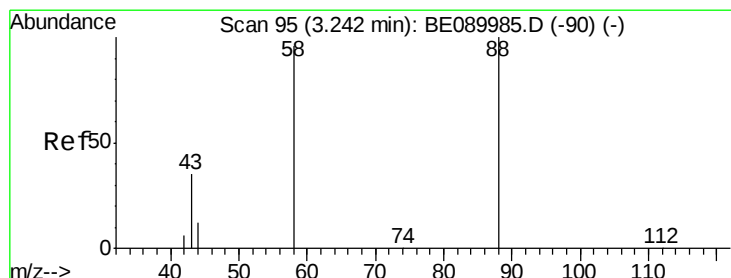
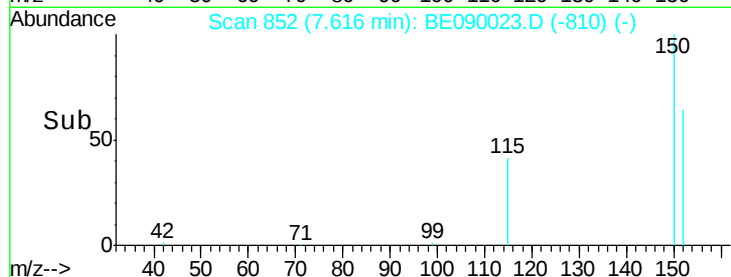
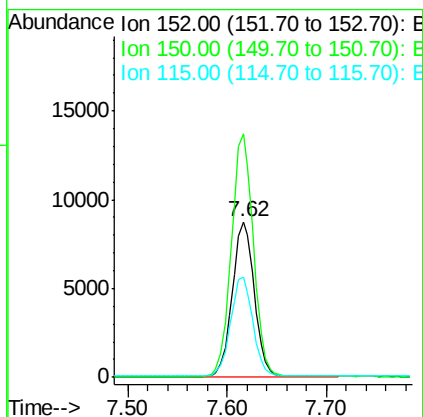
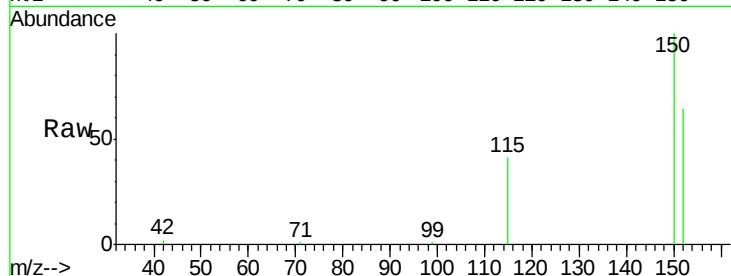


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BE090023.D
Acq: 30 Jun 2015 22:45

Instrument :
BNA_E
ClientSampleId :
X1SS0600624-150625

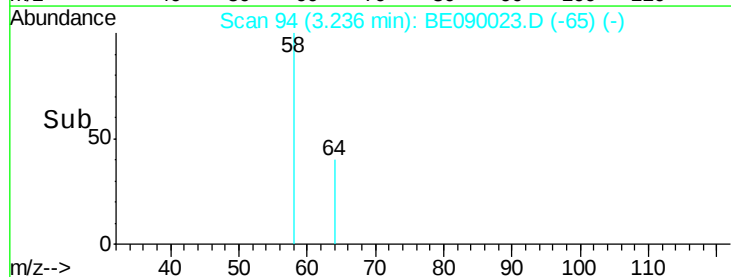
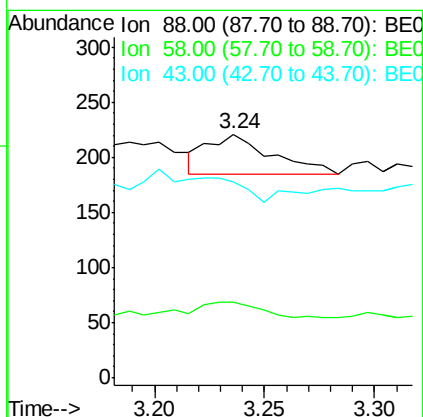
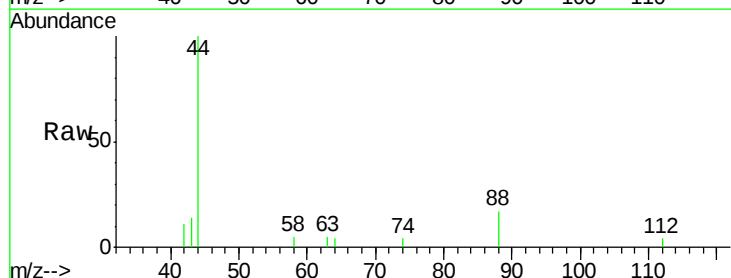
Tgt Ion: 152 Resp: 13481
Ion Ratio Lower Upper
152 100
150 156.6 123.9 185.9
115 64.4 50.6 76.0

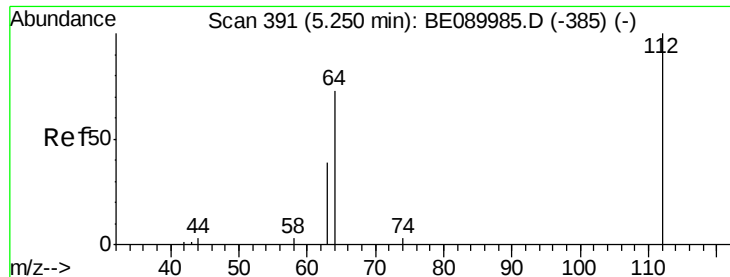


#2

1,4-Dioxane
Concen: 0.04 ng
RT: 3.24 min Scan# 94
Delta R.T. -0.01 min
Lab File: BE090023.D
Acq: 30 Jun 2015 22:45

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
58 45.2 70.9 106.3#
43 0.0 27.6 41.4#





#4

2-Fluorophenol

Concen: 8.30 ng

RT: 5.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

Instrument :

BNA_E

ClientSampleId :

X1SS0600624-150625

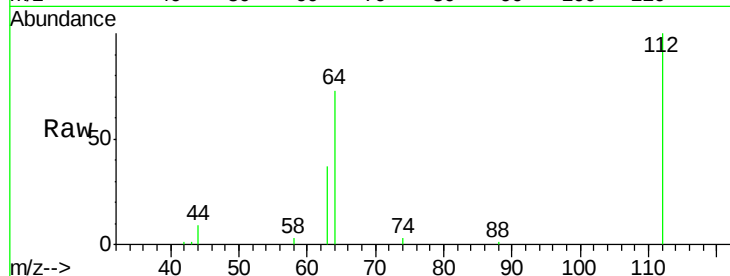
Tgt Ion: 112 Resp: 25690

Ion Ratio Lower Upper

112 100

64 70.1 56.3 84.5

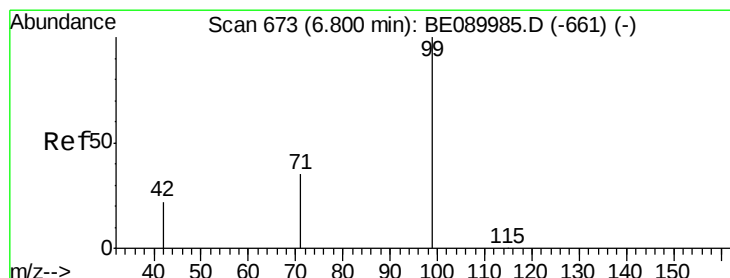
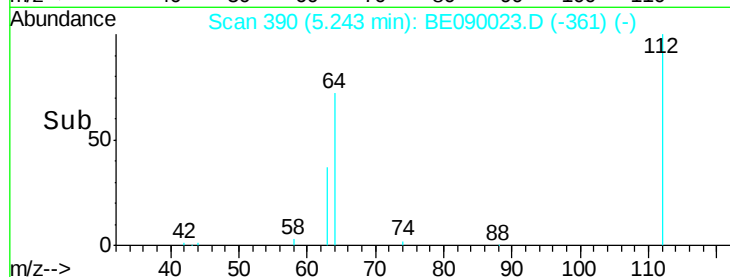
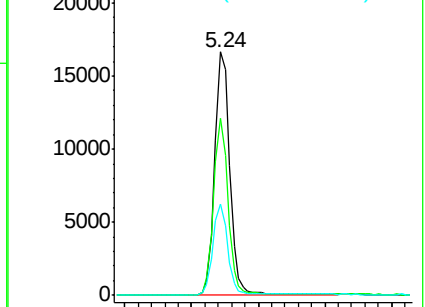
63 36.2 29.8 44.6



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: 9.32 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

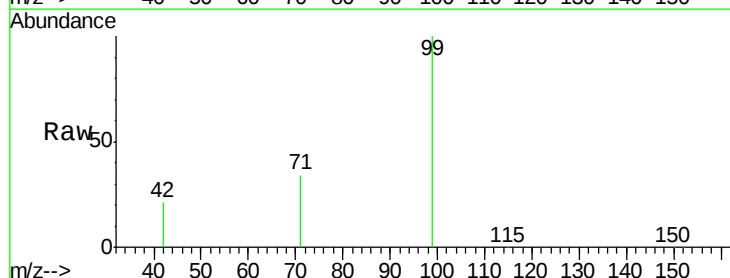
Tgt Ion: 99 Resp: 40396

Ion Ratio Lower Upper

99 100

42 20.2 18.7 28.1

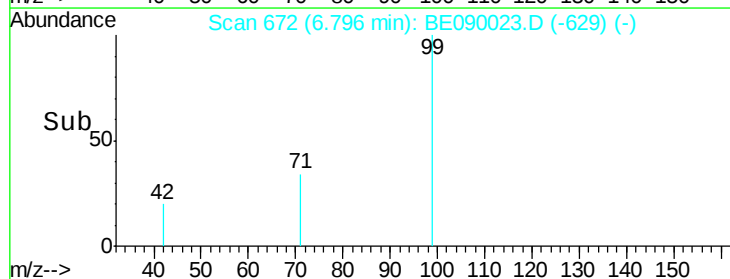
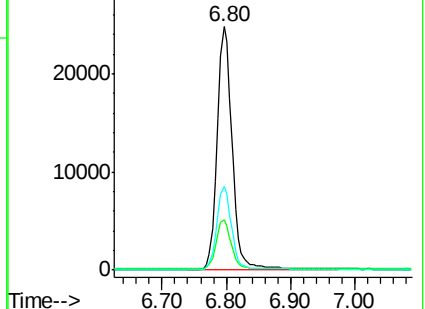
71 34.0 27.5 41.3

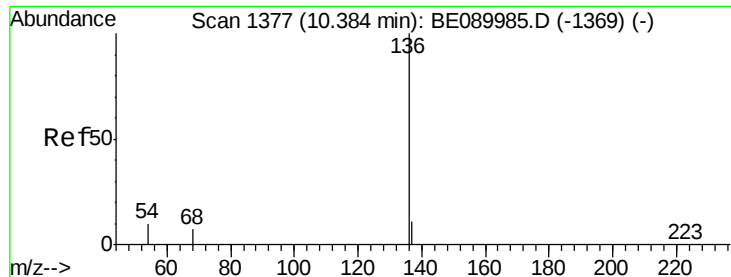


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.37 min Scan# 1375

Delta R.T. -0.02 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

Instrument :

BNA_E

ClientSampleId :

X1SS0600624-150625

Tgt Ion:136 Resp: 57744

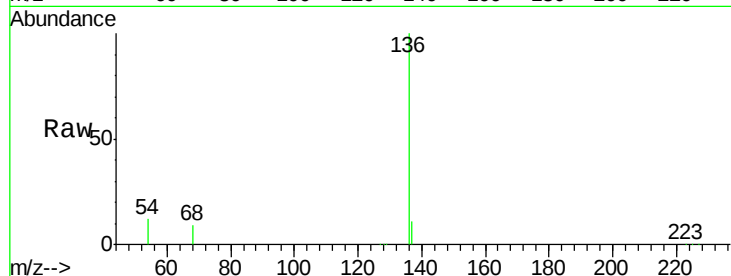
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 12.2 8.2 12.4

68 8.7 5.8 8.8

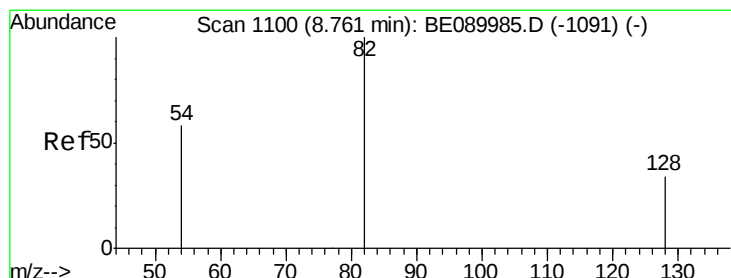
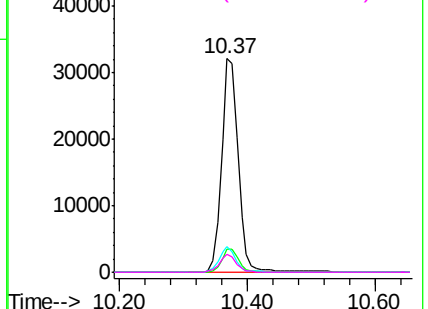
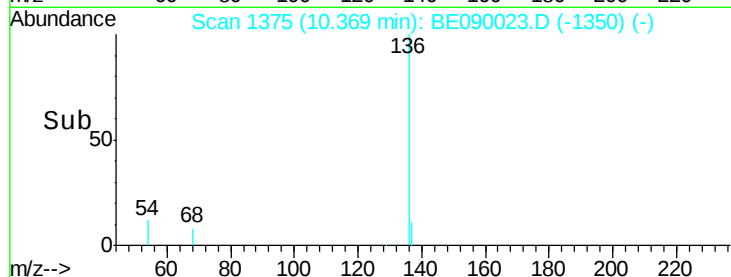


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.15 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

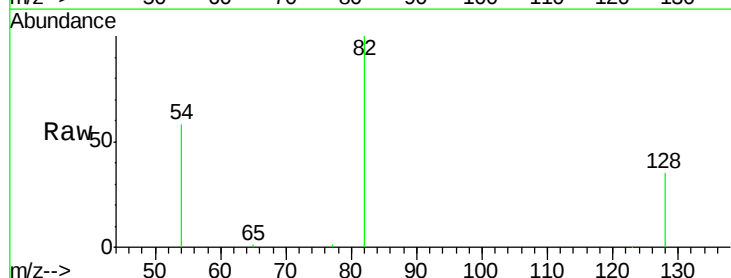
Tgt Ion: 82 Resp: 23628

Ion Ratio Lower Upper

82 100

128 34.7 28.0 42.0

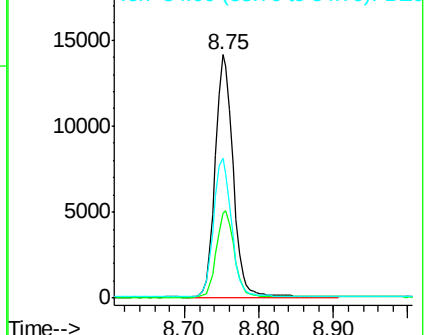
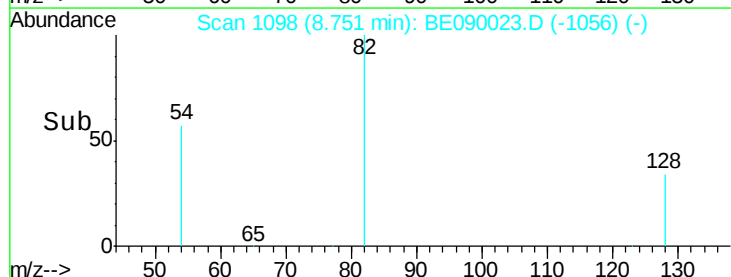
54 57.7 47.6 71.4

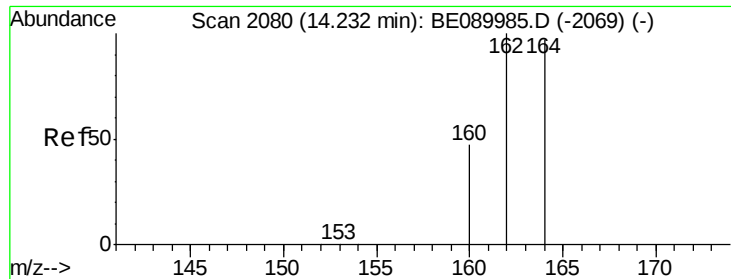


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.23 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

Instrument :

BNA_E

ClientSampleId :

X1SS0600624-150625

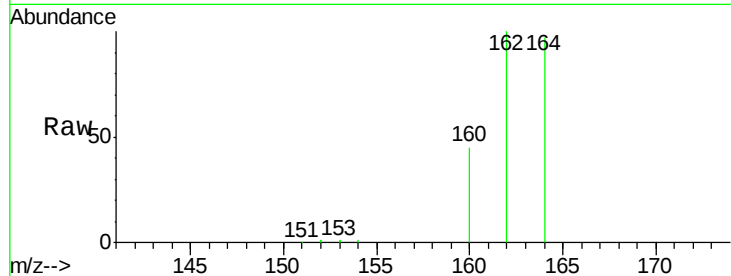
Tgt Ion:164 Resp: 31494

Ion Ratio Lower Upper

164 100

162 103.2 82.2 123.4

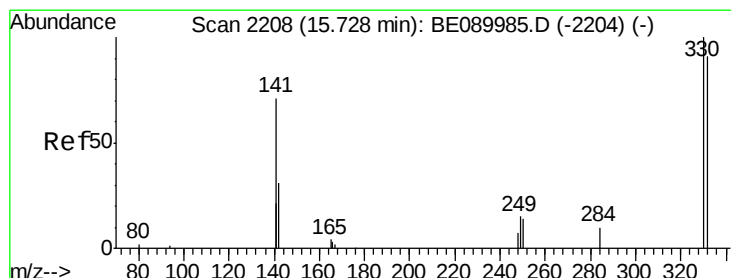
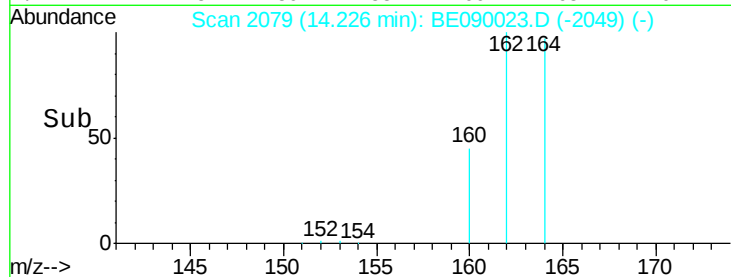
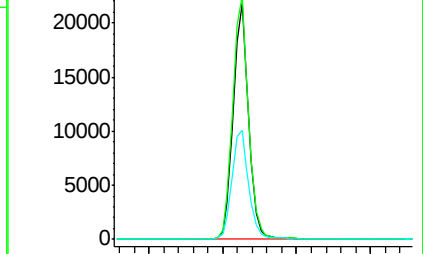
160 46.4 39.0 58.6



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: 11.36 ng

RT: 15.73 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

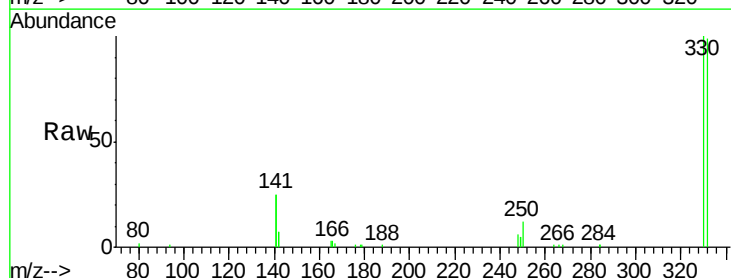
Tgt Ion:330 Resp: 10481

Ion Ratio Lower Upper

330 100

332 97.9 76.4 114.6

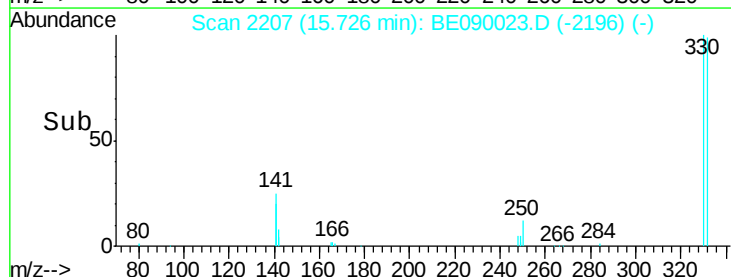
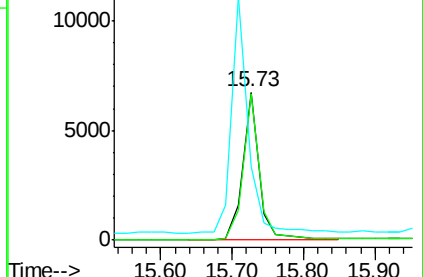
141 164.2 130.3 195.5

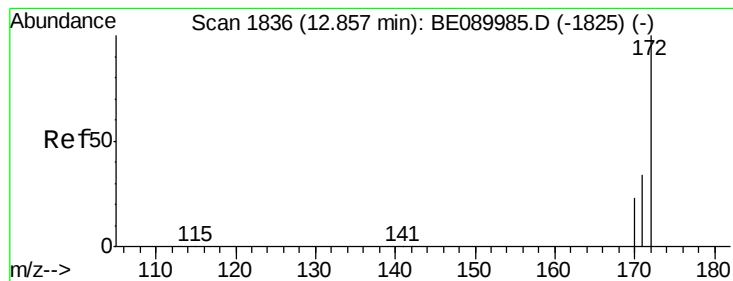


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 5.37 ng

RT: 12.85 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

Instrument :

BNA_E

ClientSampleId :

X1SS0600624-150625

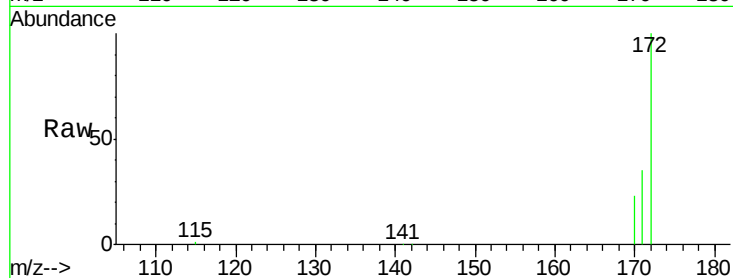
Tgt Ion:172 Resp: 50857

Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

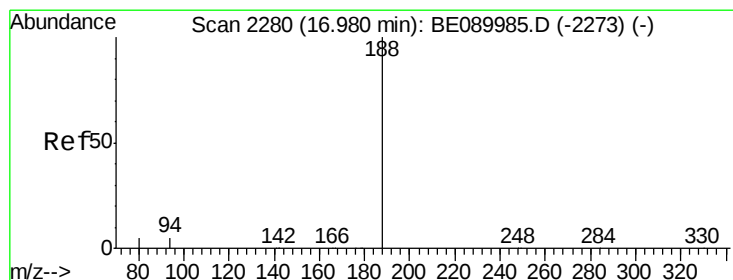
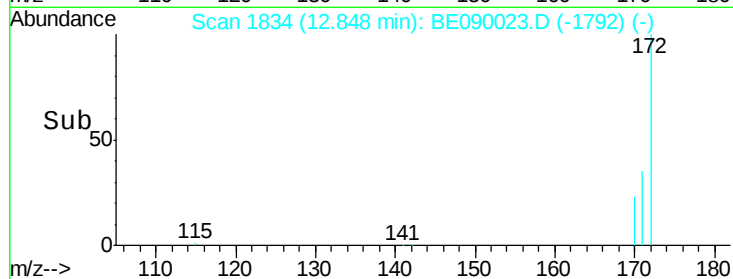
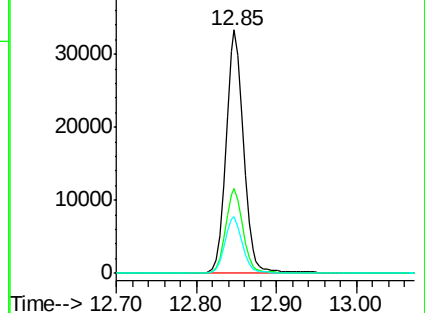
170 23.4 18.3 27.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.96 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

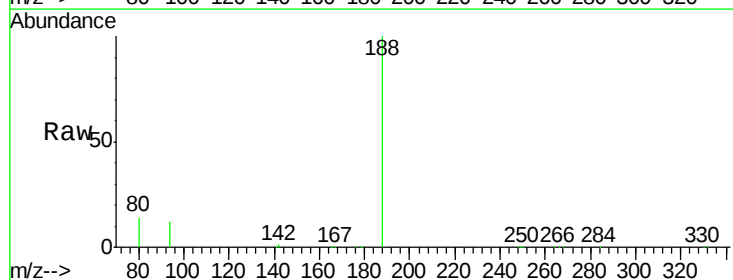
Tgt Ion:188 Resp: 71046

Ion Ratio Lower Upper

188 100

94 12.3 4.1 6.1#

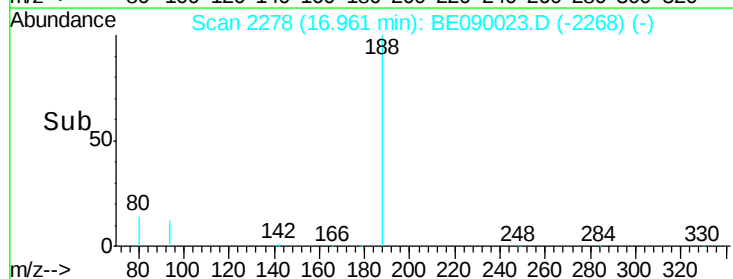
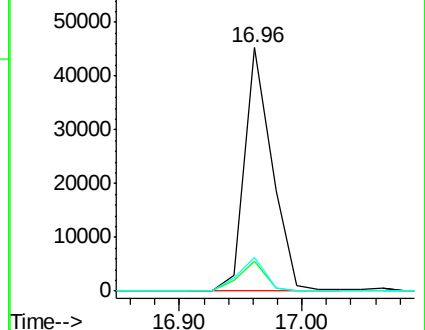
80 13.9 4.2 6.2#

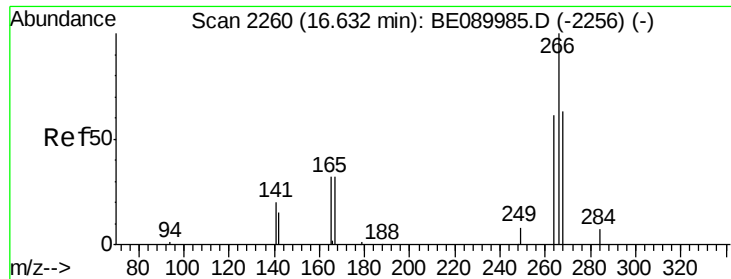


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

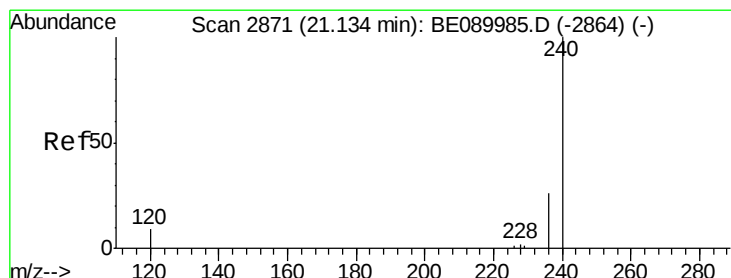
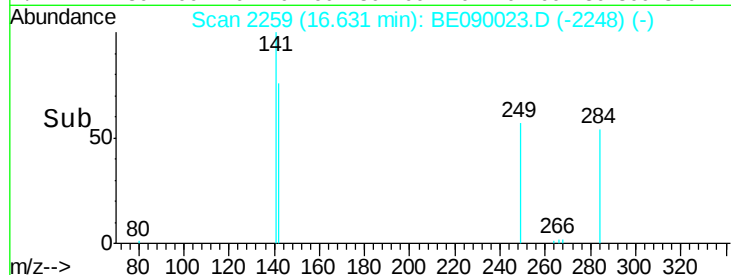
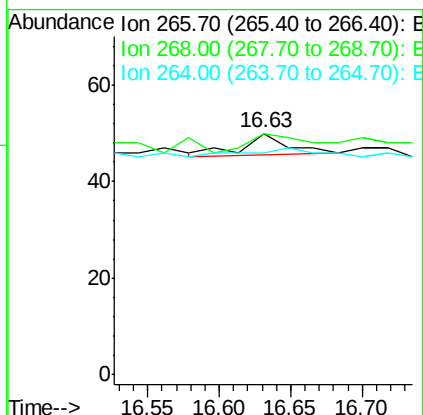
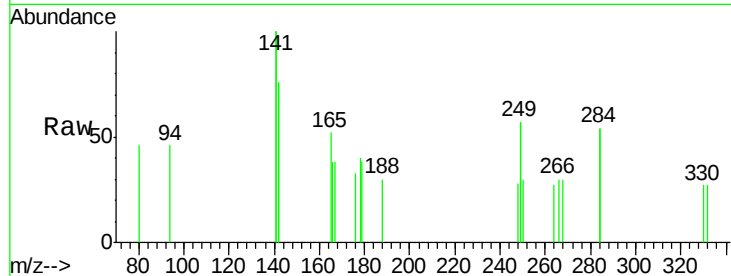




#21
 Pentachlorophenol
 Concen: 0.26 ng
 RT: 16.63 min Scan# 2259
 Delta R.T. -0.00 min
 Lab File: BE090023.D
 Acq: 30 Jun 2015 22:45

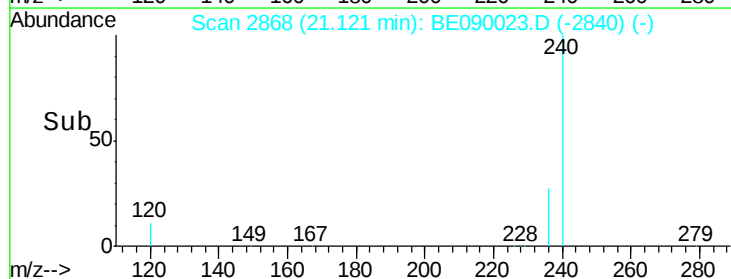
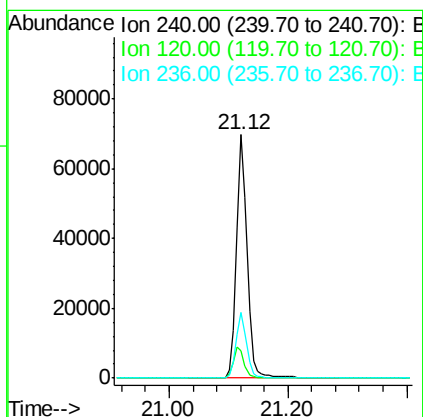
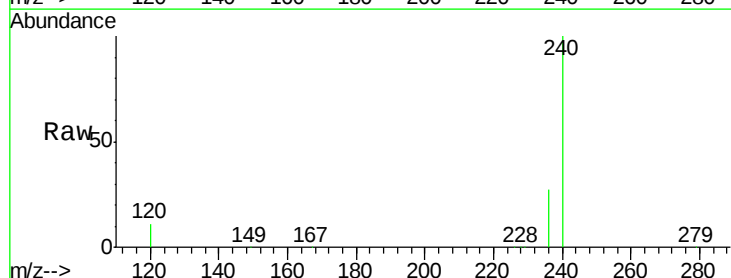
Instrument :
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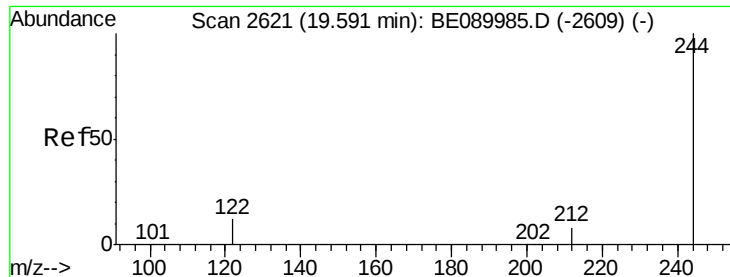
Tgt Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 268 100.0 51.8 77.8#
 264 92.0 50.2 75.2#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 2868
 Delta R.T. -0.01 min
 Lab File: BE090023.D
 Acq: 30 Jun 2015 22:45

Tgt Ion:240 Resp: 86592
 Ion Ratio Lower Upper
 240 100
 120 11.3 6.9 10.3#
 236 26.8 20.8 31.2





#27

Terphenyl-d14

Concen: 5.33 ng

RT: 19.58 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

Instrument :

BNA_E

ClientSampleId :

X1SS0600624-150625

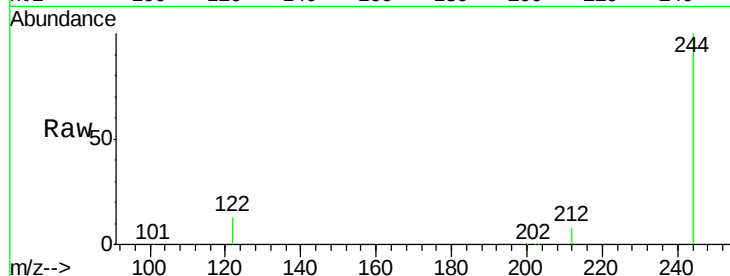
Tgt Ion:244 Resp: 76879

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

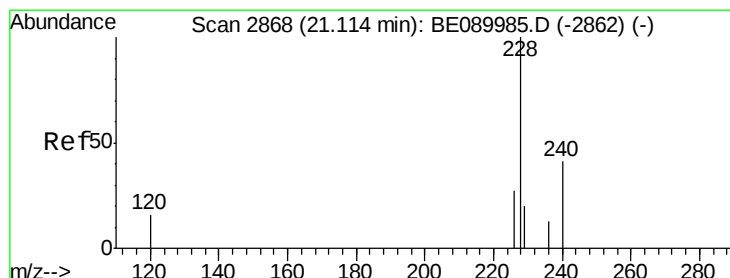
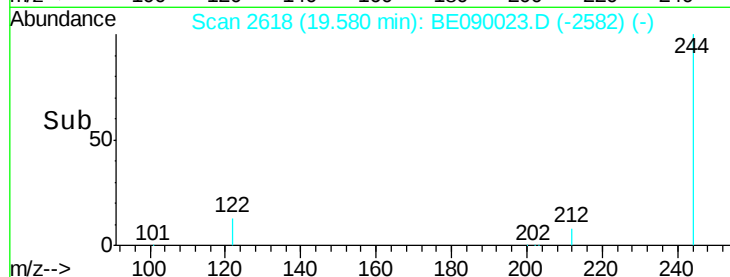
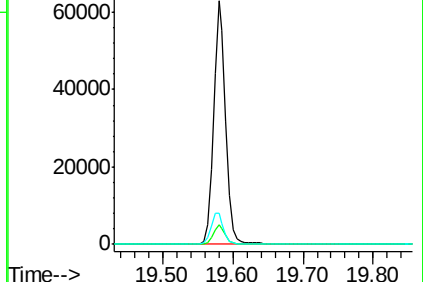
122 12.9 9.8 14.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.11 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

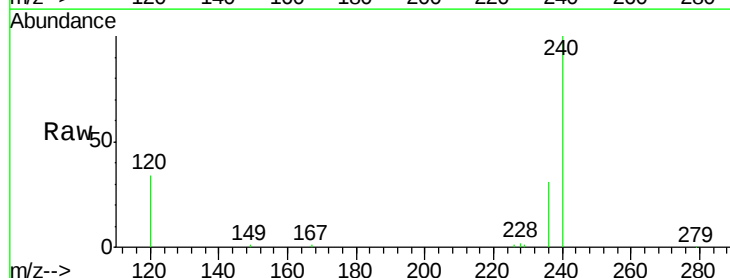
Tgt Ion:228 Resp: 606

Ion Ratio Lower Upper

228 100

226 42.9 21.8 32.6#

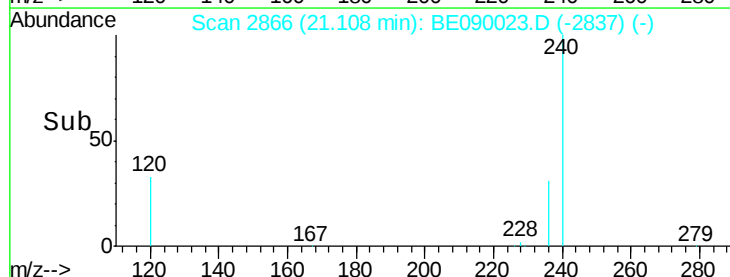
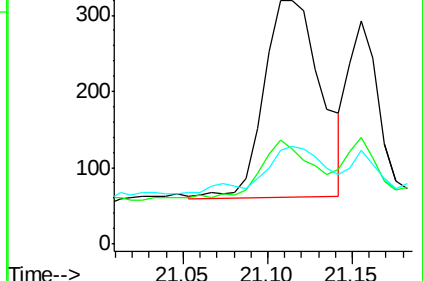
229 38.6 15.8 23.6#

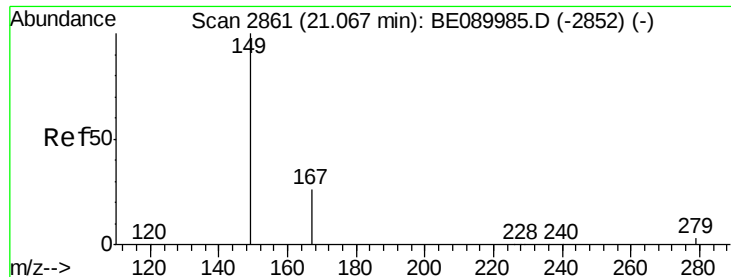


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.50 ng

RT: 21.05 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

Instrument :

BNA_E

ClientSampleId :

X1SS0600624-150625

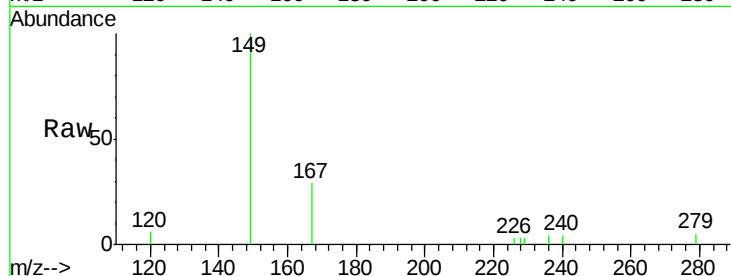
Tgt Ion:149 Resp: 2062

Ion Ratio Lower Upper

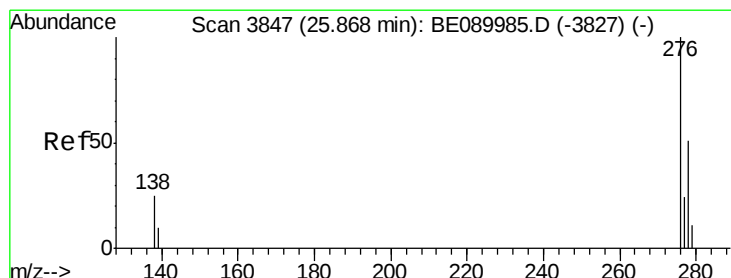
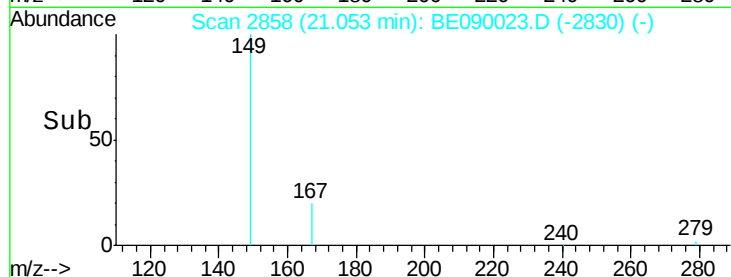
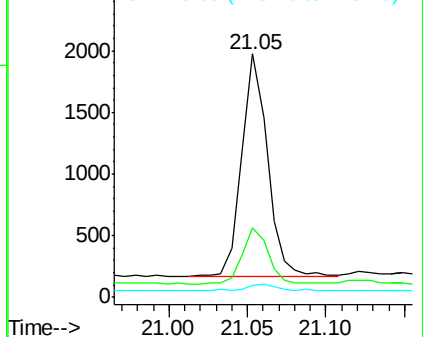
149 100

167 25.2 20.3 30.5

279 3.5 2.6 3.8



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



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 25.84 min Scan# 3839

Delta R.T. -0.03 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

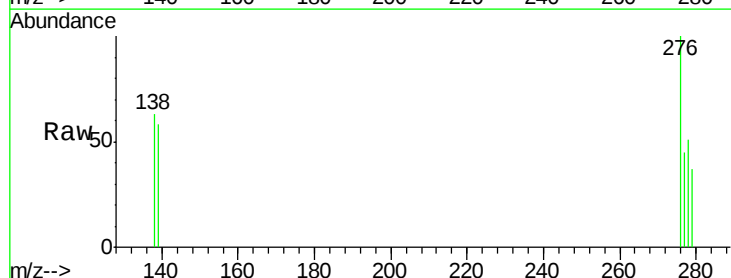
Tgt Ion:276 Resp: 554

Ion Ratio Lower Upper

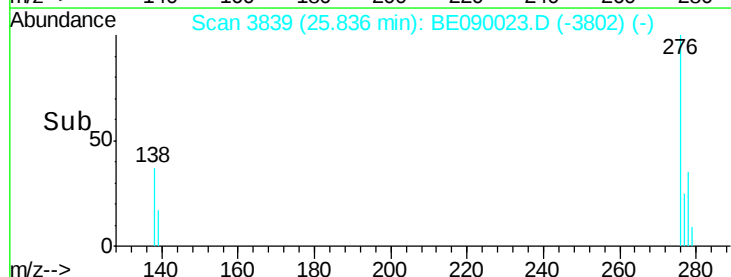
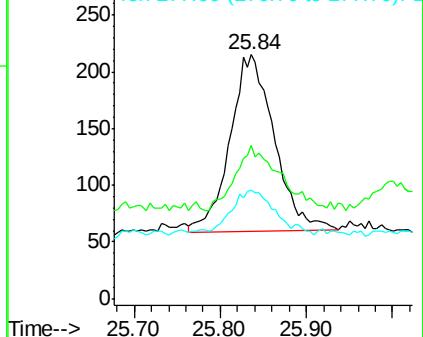
276 100

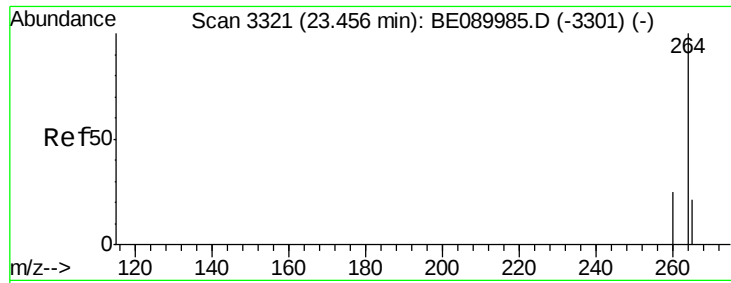
138 36.6 21.3 31.9#

277 22.9 19.7 29.5



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

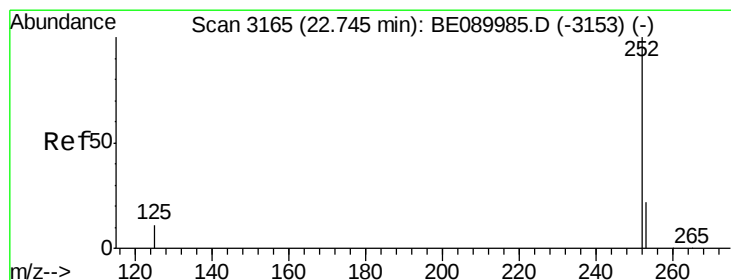
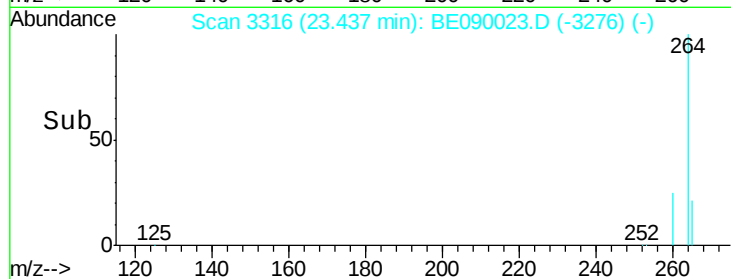
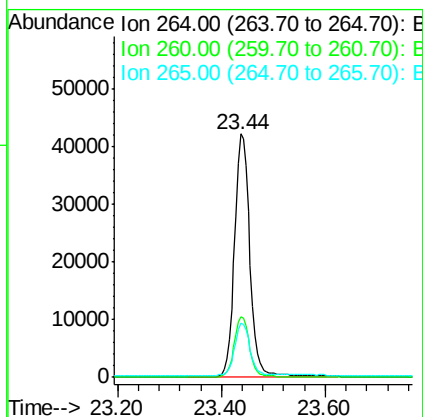
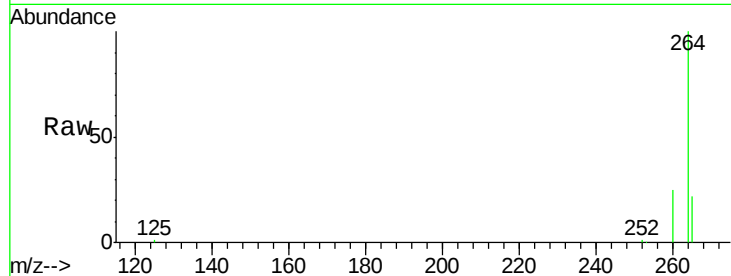




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.44 min Scan# 3316
 Delta R.T. -0.02 min
 Lab File: BE090023.D
 Acq: 30 Jun 2015 22:45

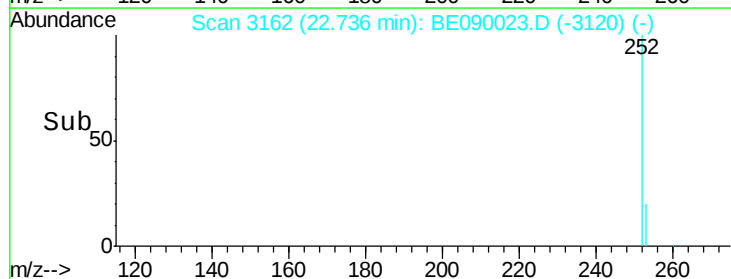
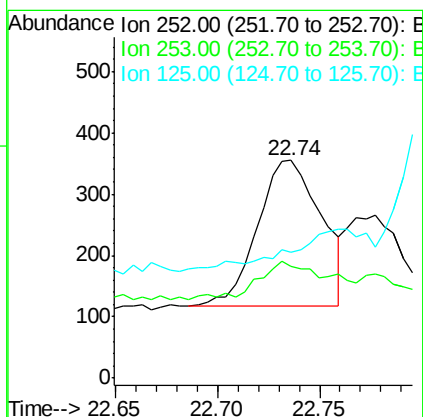
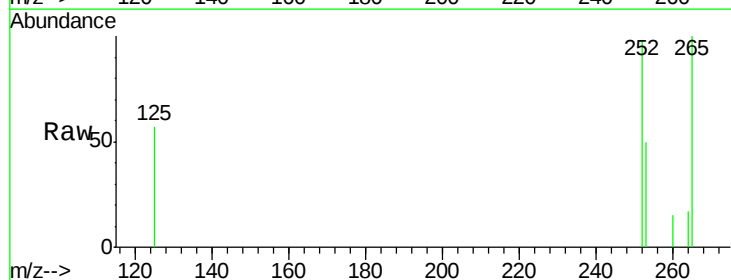
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600624-150625

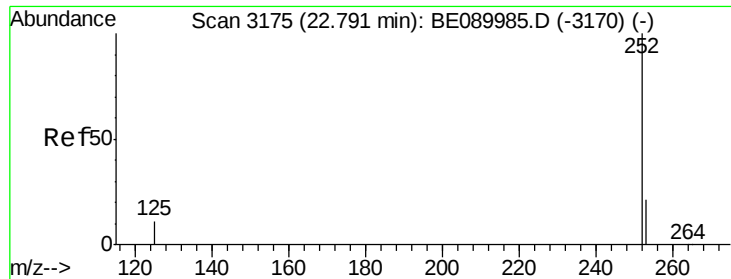
Tgt Ion: 264 Resp: 85779
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.2 30.2
 265 22.2 17.1 25.7



#33
 Benzo(b)fluoranthene
 Concen: 0.03 ng
 RT: 22.74 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BE090023.D
 Acq: 30 Jun 2015 22:45

Tgt Ion: 252 Resp: 515
 Ion Ratio Lower Upper
 252 100
 253 51.3 17.8 26.8#
 125 57.7 9.0 13.4#





#34

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.74 min Scan# 3162

Delta R.T. -0.05 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

Instrument :

BNA_E

ClientSampleId :

X1SS0600624-150625

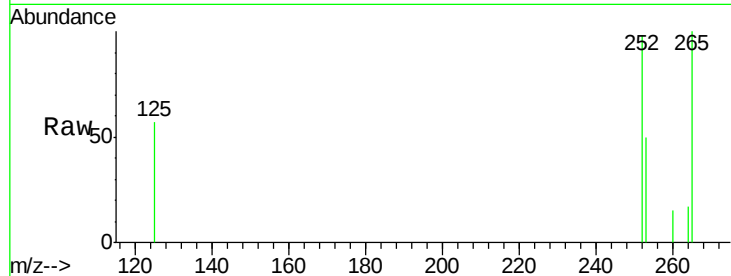
Tgt Ion:252 Resp: 515

Ion Ratio Lower Upper

252 100

253 51.3 17.5 26.3#

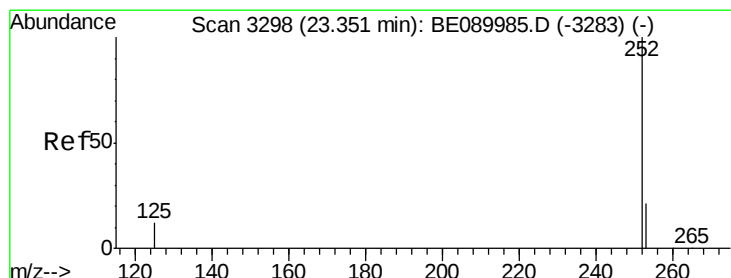
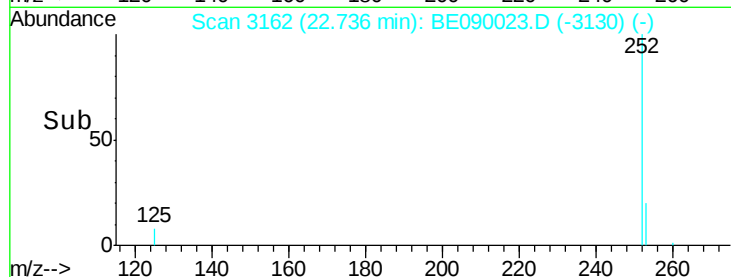
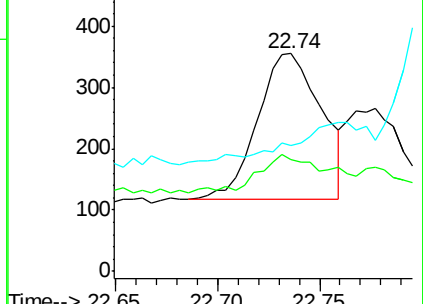
125 57.7 9.5 14.3#



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: 0.03 ng

RT: 23.33 min Scan# 3292

Delta R.T. -0.02 min

Lab File: BE090023.D

Acq: 30 Jun 2015 22:45

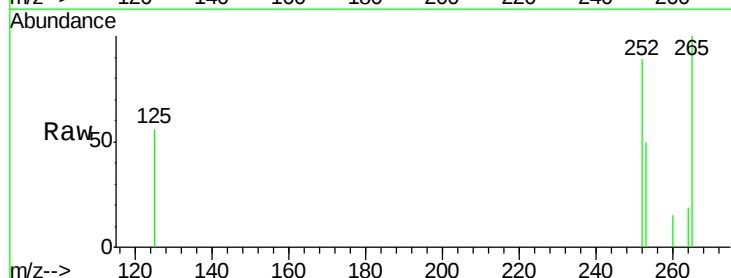
Tgt Ion:252 Resp: 457

Ion Ratio Lower Upper

252 100

253 56.1 17.4 26.2#

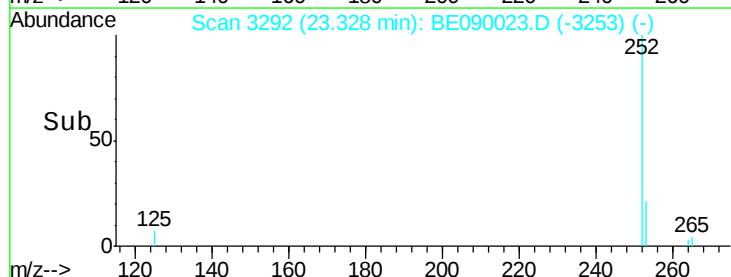
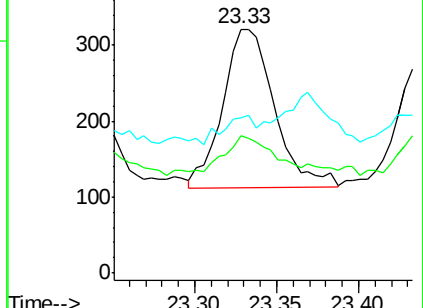
125 63.6 10.5 15.7#

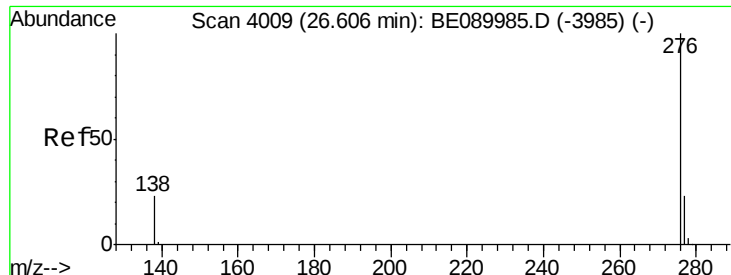


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.57 min Scan# 3999

Delta R.T. -0.04 min

Lab File: BE090023.D

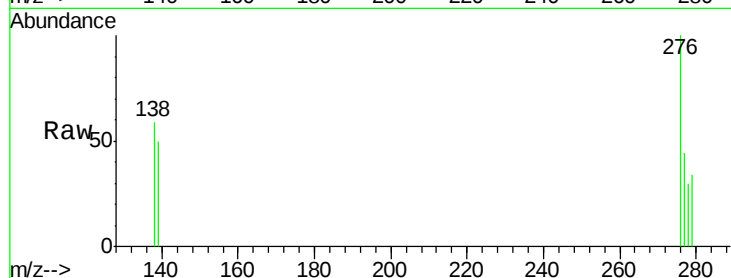
Acq: 30 Jun 2015 22:45

Instrument :

BNA_E

ClientSampleId :

X1SS0600624-150625



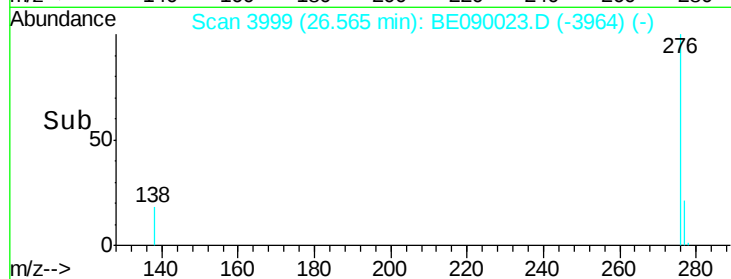
Tgt Ion: 276 Resp: 497

Ion Ratio Lower Upper

276 100

277 44.4 18.8 28.2#

138 58.7 18.6 27.8#



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

