

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090026.D
 Acq On : 1 Jul 2015 00:32
 Operator : TP/IZ
 Sample : G2811-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SB0520204-150625

Quant Time: Jul 01 05:20:15 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	14266	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	61936	5.00	ng	-0.01
12) Acenaphthene-d10	14.22	164	34435	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	77640	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	93223	5.00	ng	-0.01
32) Perylene-d12	23.44	264	90293	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	17911	5.47	ng	0.00
5) Phenol-d6	6.80	99	26141	5.70	ng	0.00
7) Nitrobenzene-d5	8.75	82	15173	3.08	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	6321	6.26	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	32318	3.12	ng	0.00
27) Terphenyl-d14	19.58	244	46851	3.02	ng	-0.01

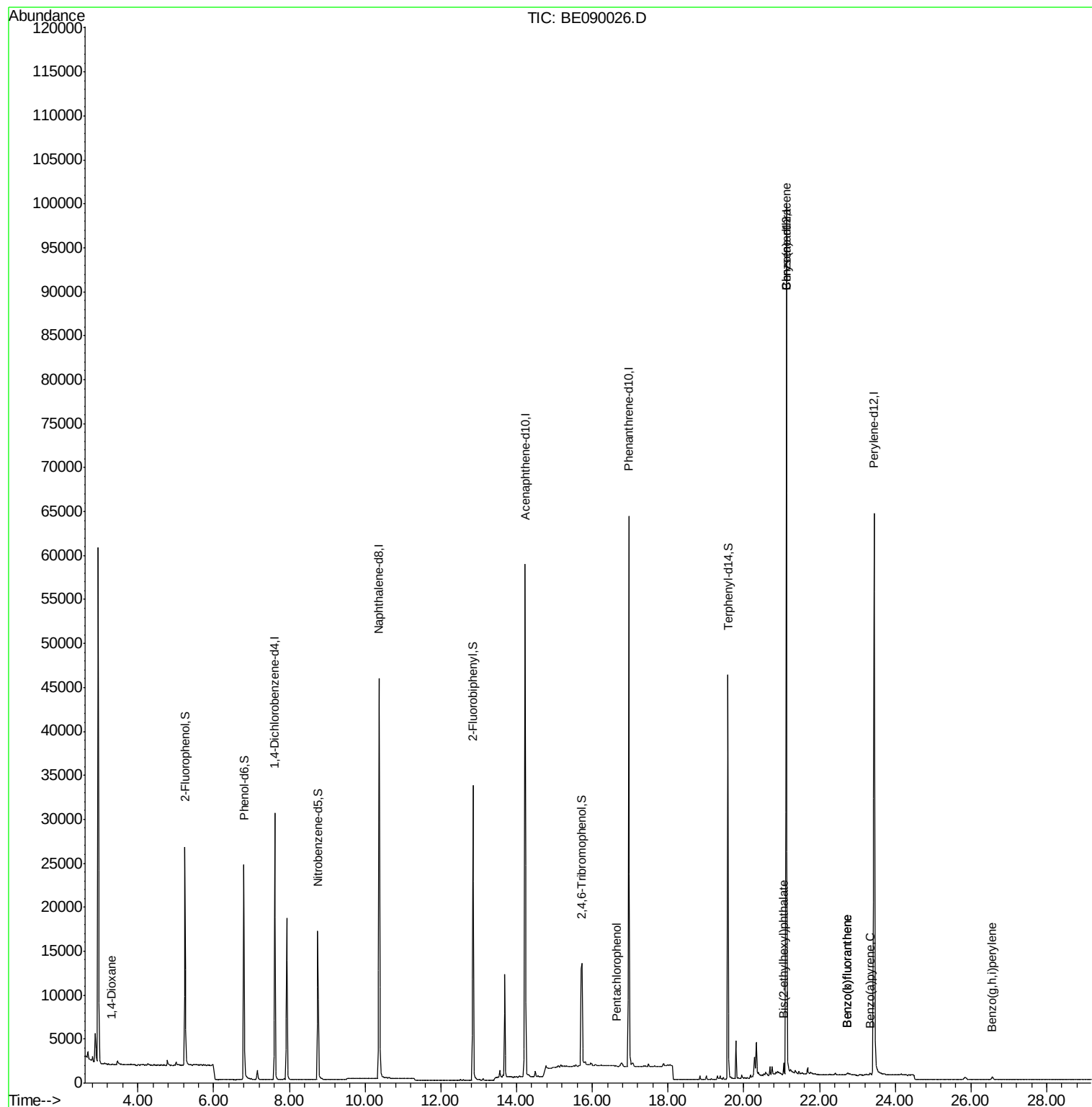
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	45	0.02	ng	# 18
21) Pentachlorophenol	16.65	266	4	0.26	ng	# 55
28) Benzo(a)anthracene	21.11	228	516	0.02	ng	# 58
30) Bis(2-ethylhexyl)phthalate	21.05	149	1031	0.40	ng	# 93
33) Benzo(b)fluoranthene	22.73	252	468	0.02	ng	# 2
34) Benzo(k)fluoranthene	22.73	252	468	0.02	ng	# 2
35) Benzo(a)pyrene	23.33	252	391	0.02	ng	# 1
37) Benzo(g,h,i)perylene	26.57	276	430	0.02	ng	# 20

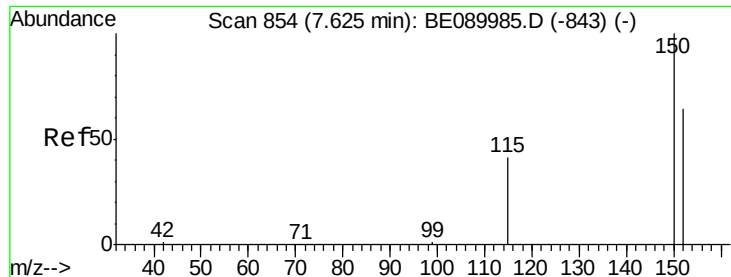
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
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QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 852

Delta R.T. -0.01 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

Instrument :

BNA_E

ClientSampleId :

X1SB0520204-150625

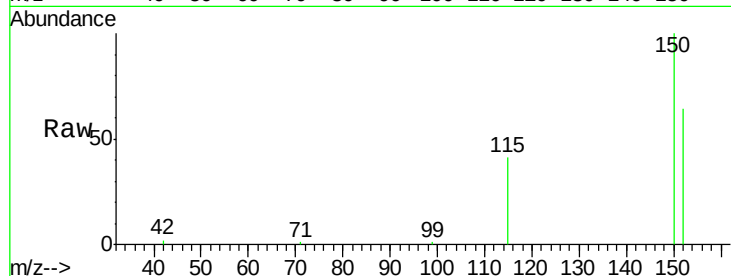
Tgt Ion: 152 Resp: 14266

Ion Ratio Lower Upper

152 100

150 155.2 123.9 185.9

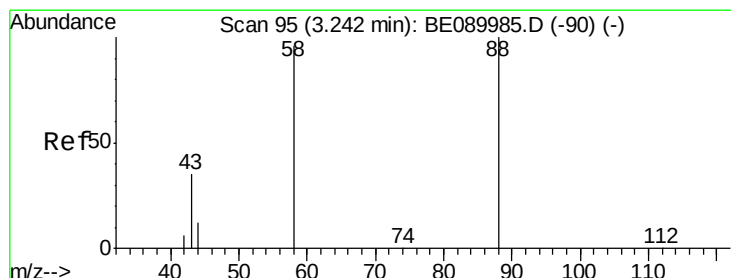
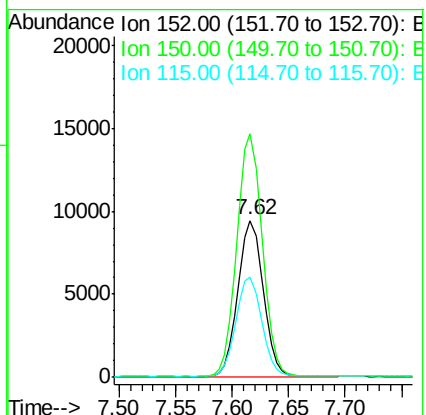
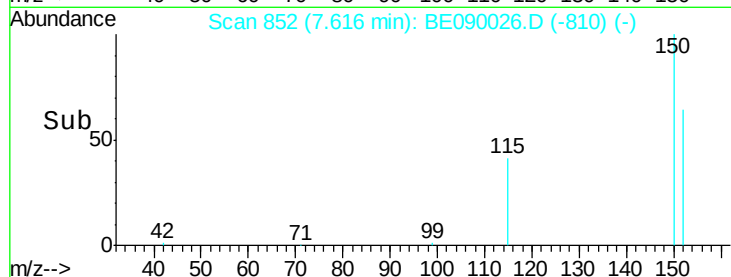
115 63.8 50.6 76.0



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: 0.02 ng

RT: 3.30 min Scan# 104

Delta R.T. 0.06 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

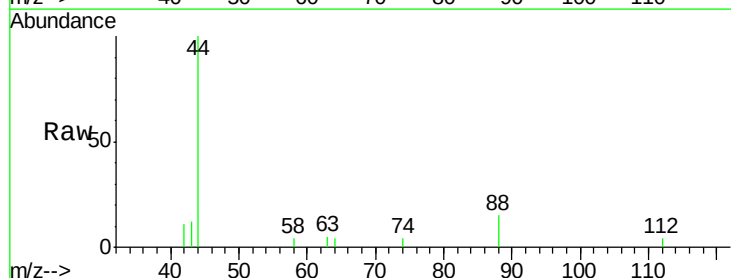
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

58 4.4 70.9 106.3#

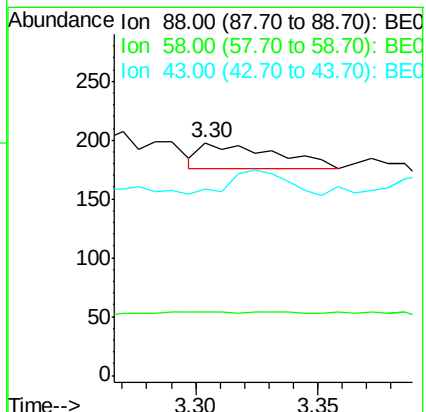
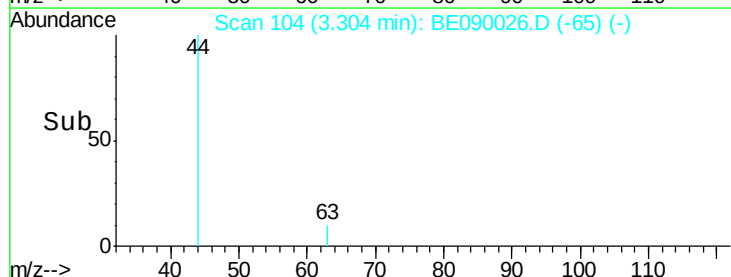
43 0.0 27.6 41.4#

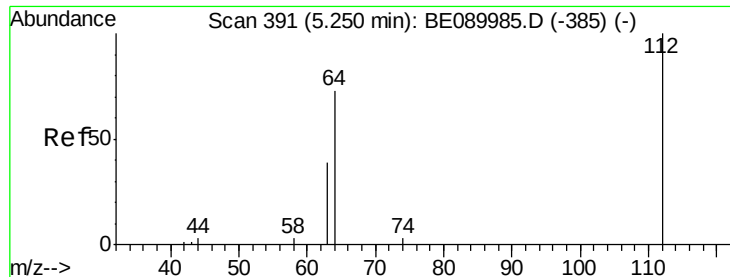


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 5.47 ng

RT: 5.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

Instrument :

BNA_E

ClientSampleId :

X1SB0520204-150625

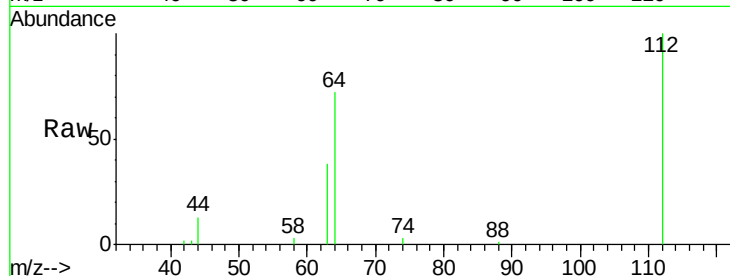
Tgt Ion: 112 Resp: 17911

Ion Ratio Lower Upper

112 100

64 69.7 56.3 84.5

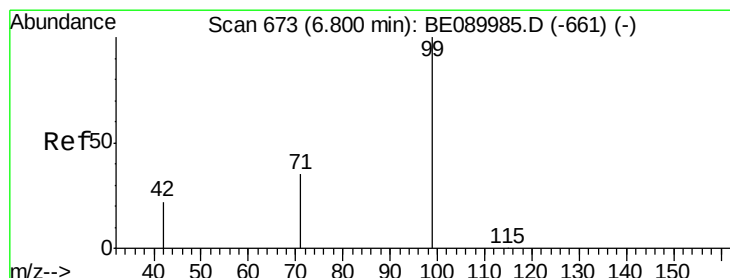
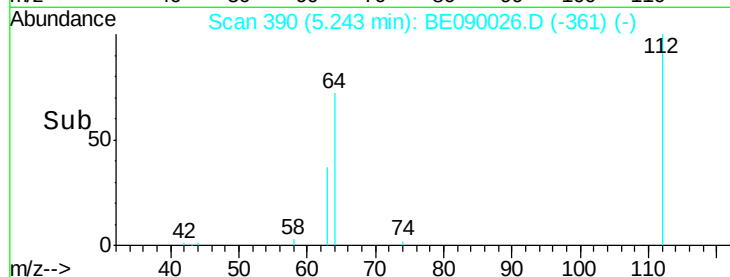
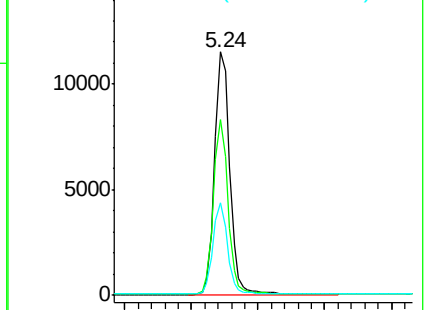
63 36.4 29.8 44.6



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: 5.70 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

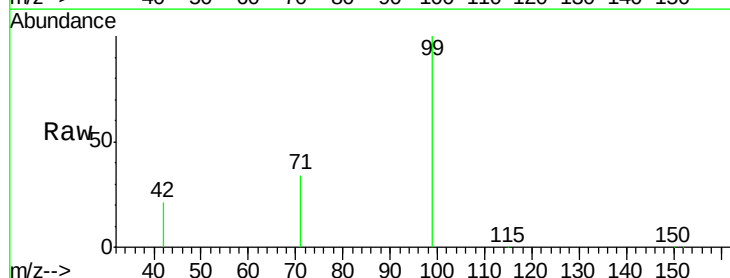
Tgt Ion: 99 Resp: 26141

Ion Ratio Lower Upper

99 100

42 20.0 18.7 28.1

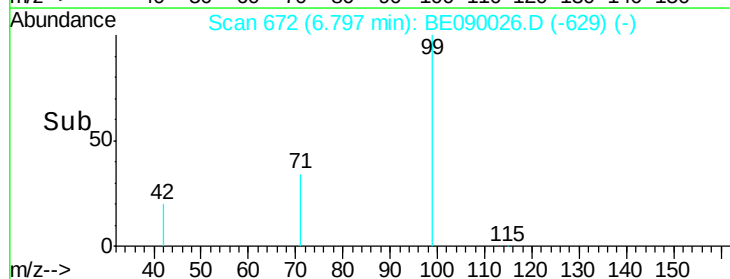
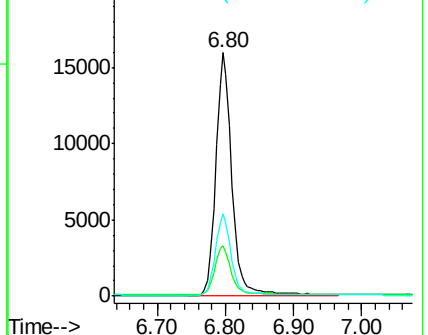
71 33.6 27.5 41.3

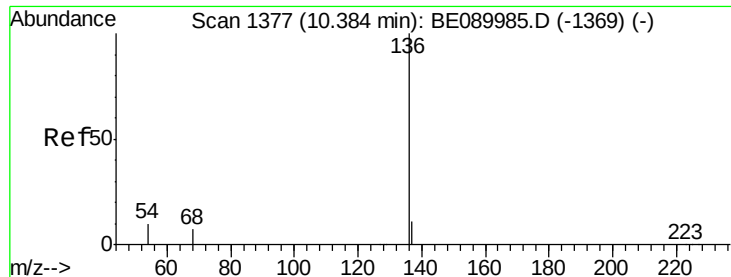


Abundance Ion 99.00 (98.70 to 99.70): BE0

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. -0.01 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

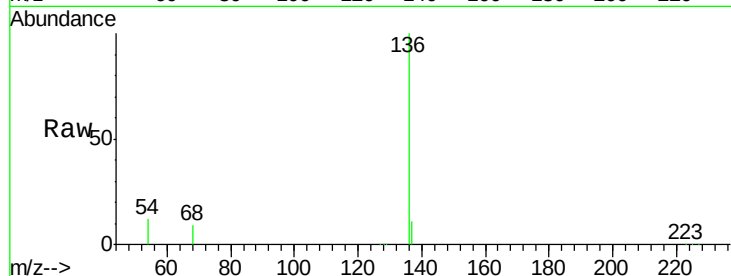
Instrument :

BNA_E

ClientSampleId :

X1SB0520204-150625

Tgt Ion:	136	Resp:	61936
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	11.9	8.2	12.4
68	8.7	5.8	8.8



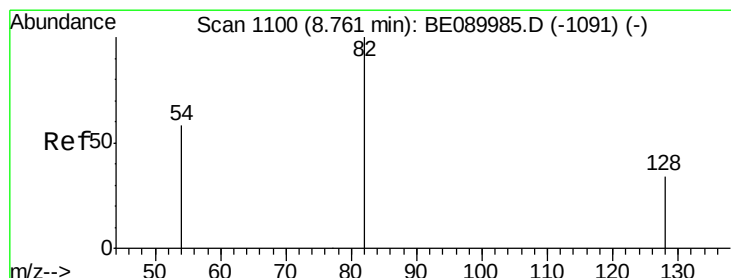
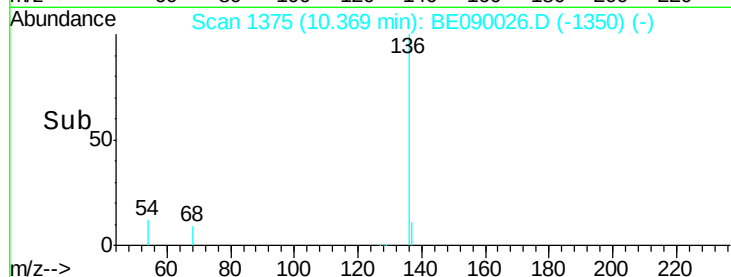
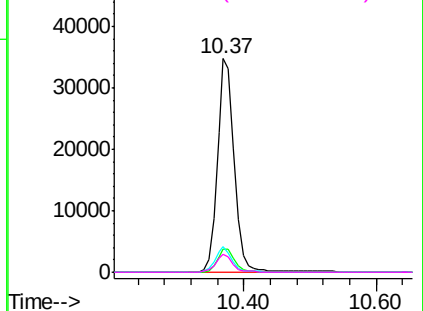
Abundance

Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#7

Nitrobenzene-d5

Concen: 3.08 ng

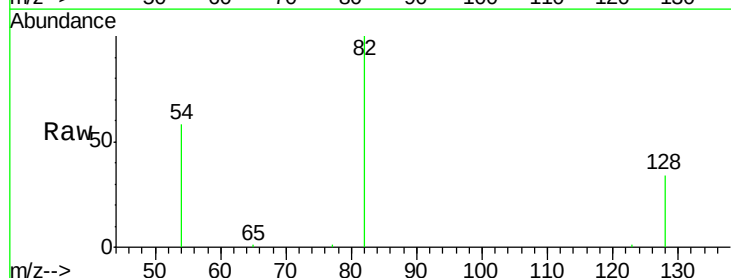
RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

Tgt Ion:	82	Resp:	15173
Ion	Ratio	Lower	Upper
82	100		
128	33.5	28.0	42.0
54	58.0	47.6	71.4

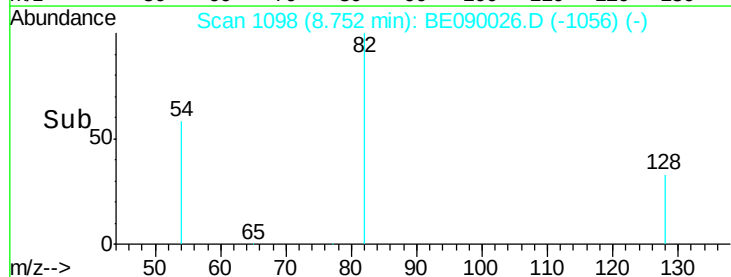
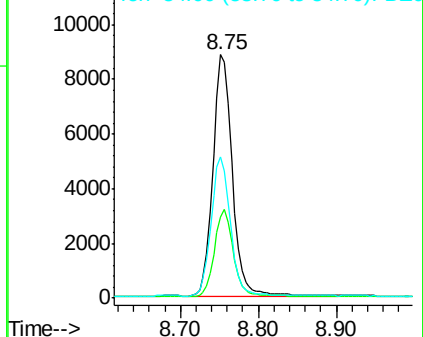


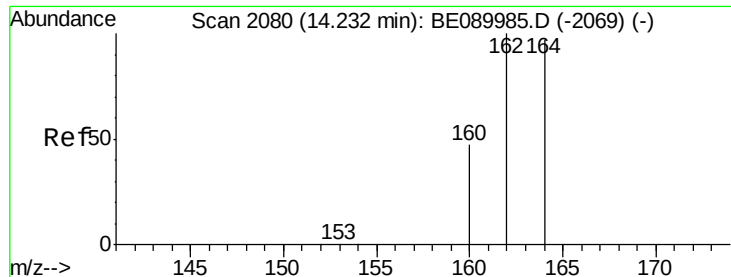
Abundance

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





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

Instrument :

BNA_E

ClientSampleId :

X1SB0520204-150625

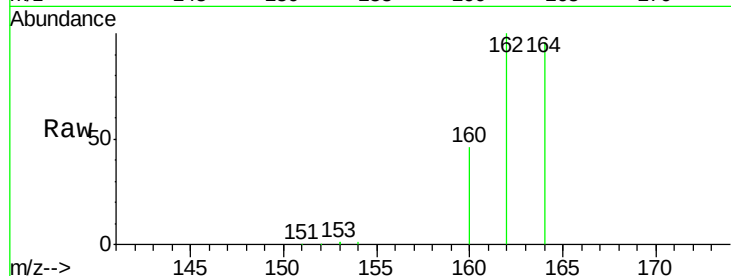
Tgt Ion:164 Resp: 34435

Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.4

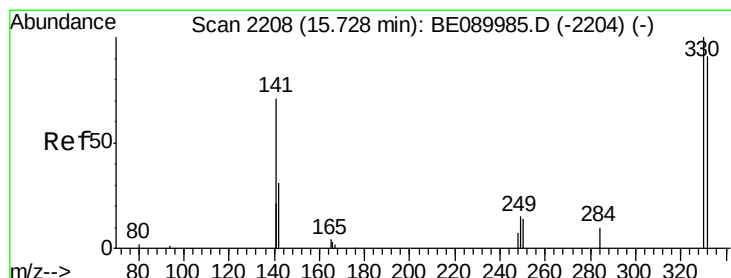
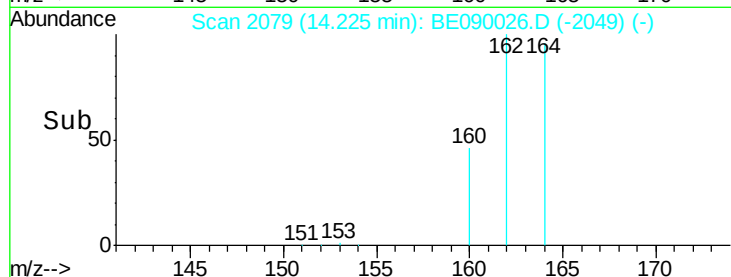
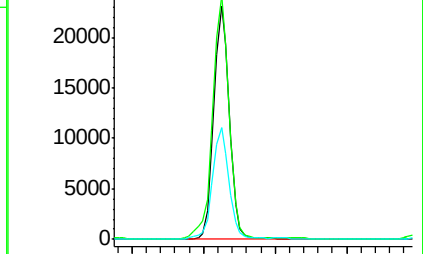
160 47.9 39.0 58.6



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: 6.26 ng

RT: 15.73 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

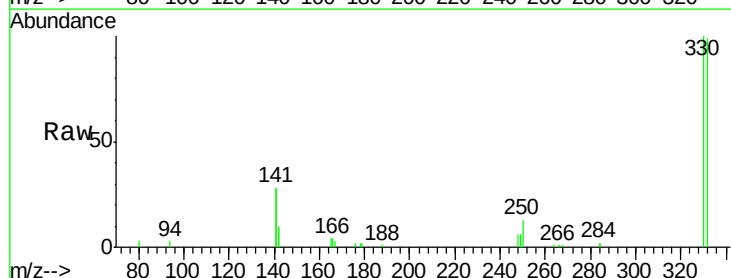
Tgt Ion:330 Resp: 6321

Ion Ratio Lower Upper

330 100

332 97.4 76.4 114.6

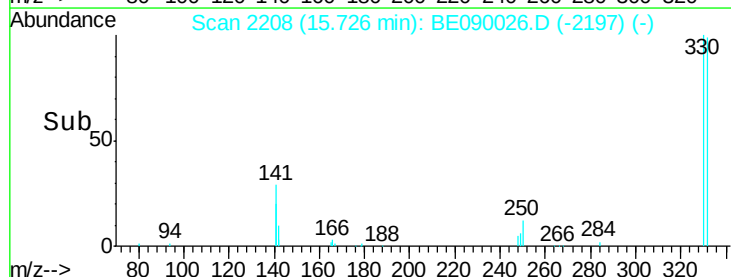
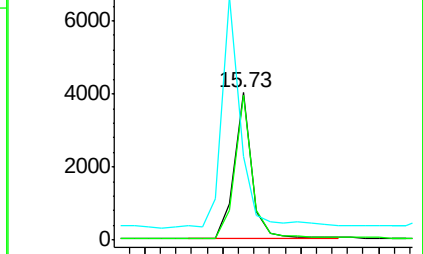
141 171.6 130.3 195.5

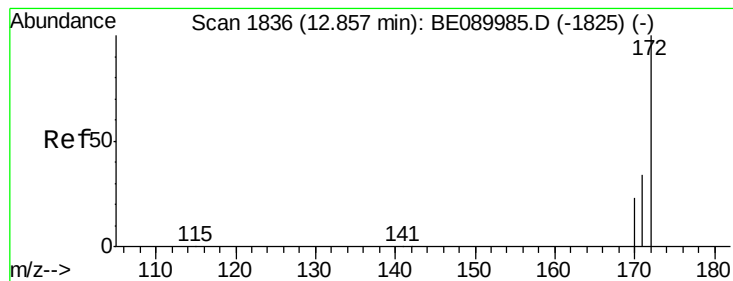


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.12 ng

RT: 12.85 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

Instrument :

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ClientSampleId :

X1SB0520204-150625

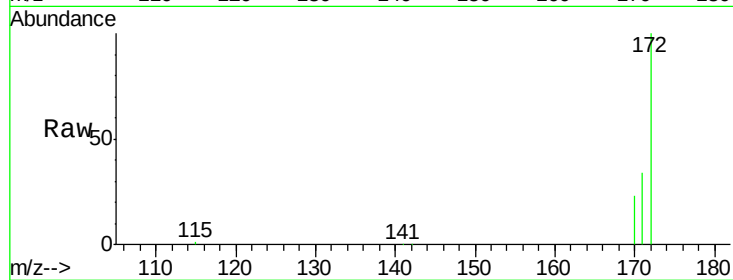
Tgt Ion:172 Resp: 32318

Ion Ratio Lower Upper

172 100

171 34.2 27.8 41.6

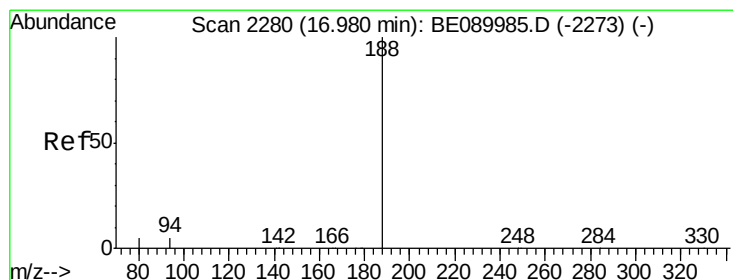
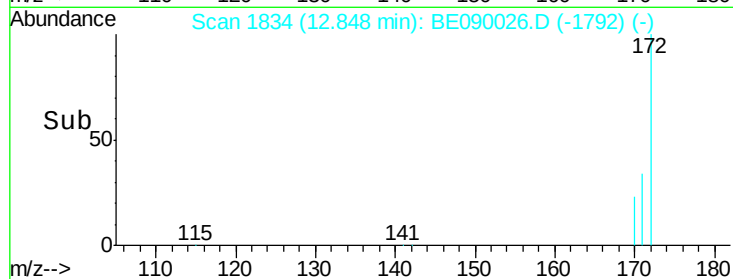
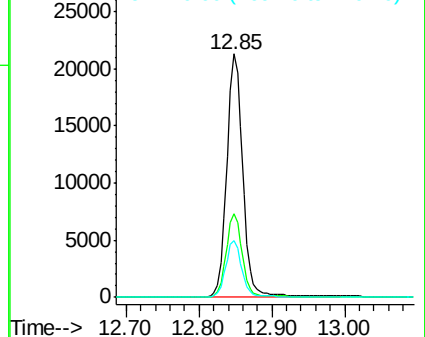
170 23.4 18.3 27.5



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# 2279

Delta R.T. -0.02 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

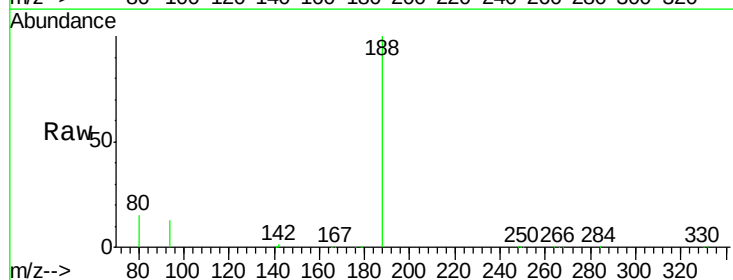
Tgt Ion:188 Resp: 77640

Ion Ratio Lower Upper

188 100

94 13.3 4.1 6.1#

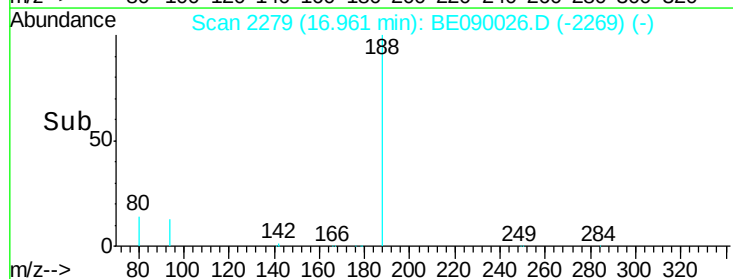
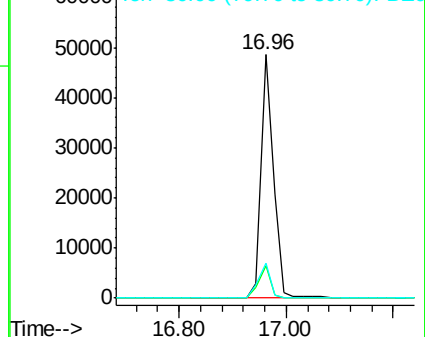
80 14.6 4.2 6.2#

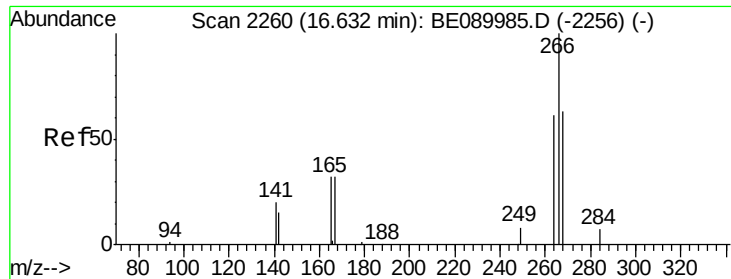


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

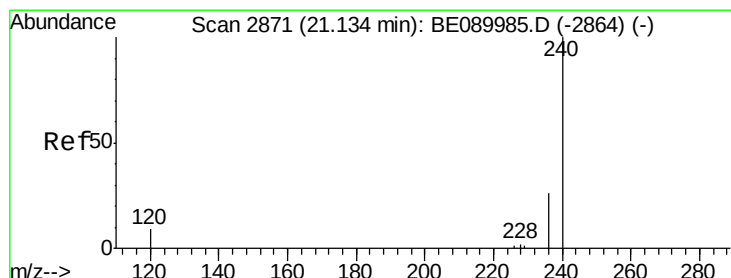
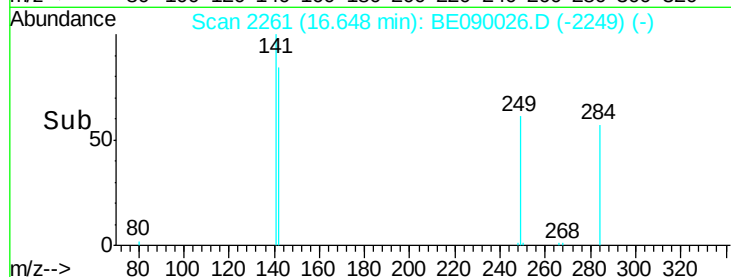
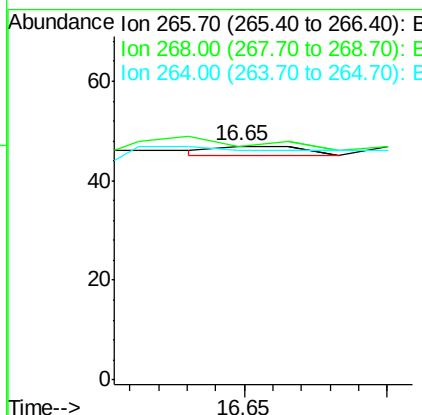
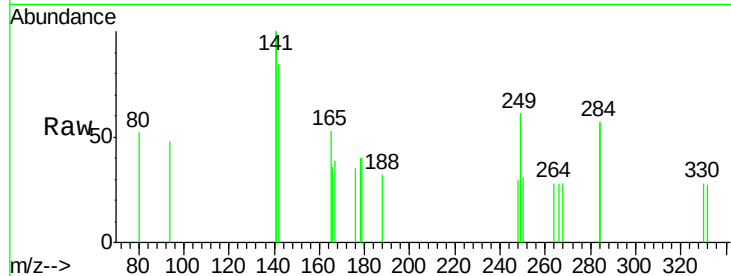




#21
 Pentachlorophenol
 Concen: 0.26 ng
 RT: 16.65 min Scan# 2261
 Delta R.T. 0.02 min
 Lab File: BE090026.D
 Acq: 1 Jul 2015 00:32

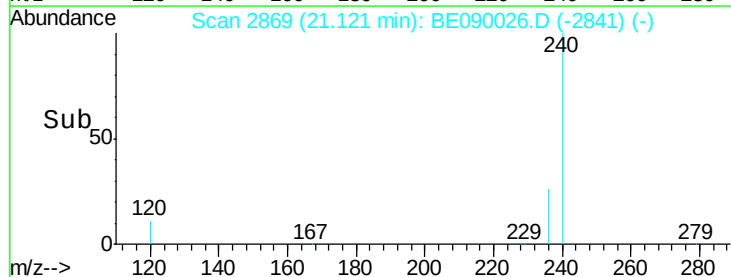
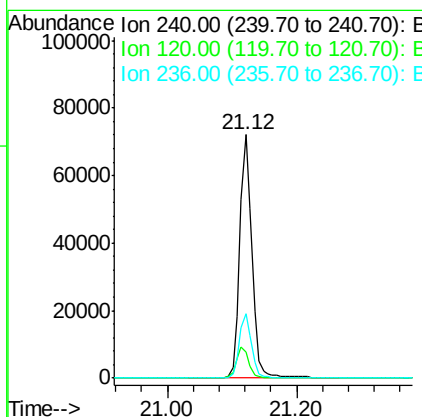
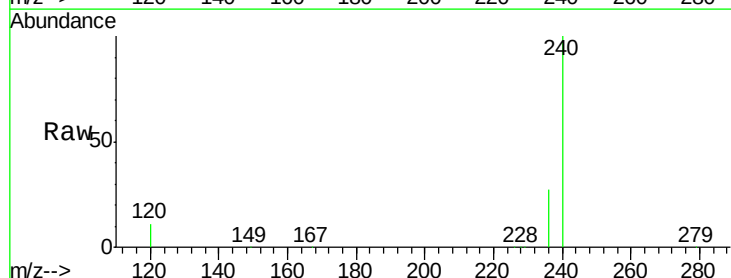
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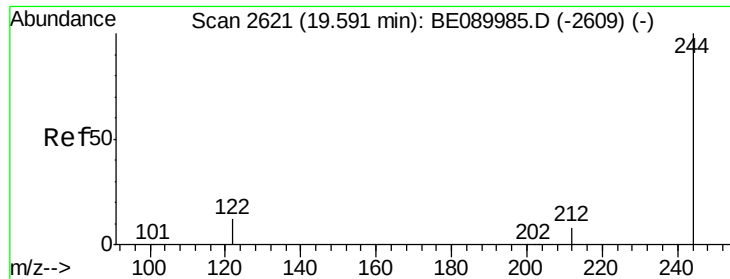
Tgt Ion:266 Resp: 4
 Ion Ratio Lower Upper
 266 100
 268 100.0 51.8 77.8#
 264 97.9 50.2 75.2#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 2869
 Delta R.T. -0.01 min
 Lab File: BE090026.D
 Acq: 1 Jul 2015 00:32

Tgt Ion:240 Resp: 93223
 Ion Ratio Lower Upper
 240 100
 120 10.8 6.9 10.3#
 236 26.5 20.8 31.2

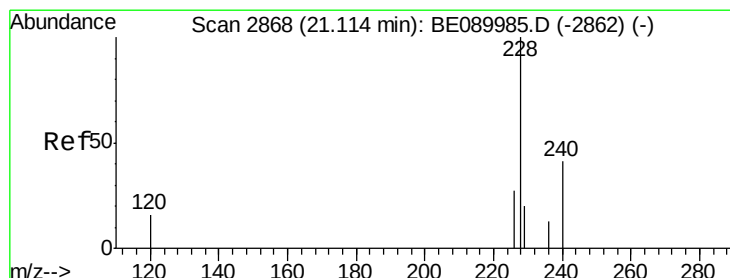
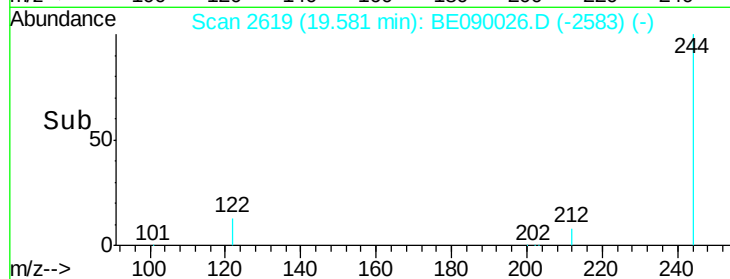
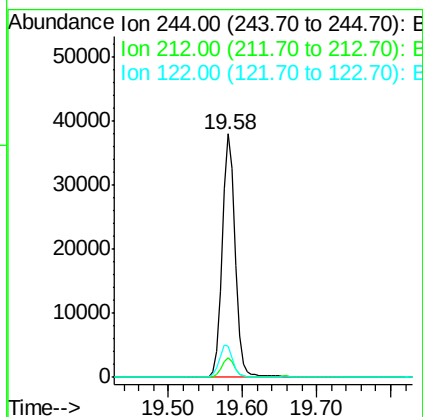
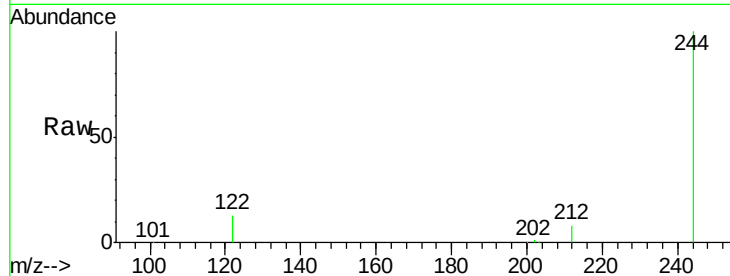




#27
 Terphenyl-d14
 Concen: 3.02 ng
 RT: 19.58 min Scan# 2619
 Delta R.T. -0.01 min
 Lab File: BE090026.D
 Acq: 1 Jul 2015 00:32

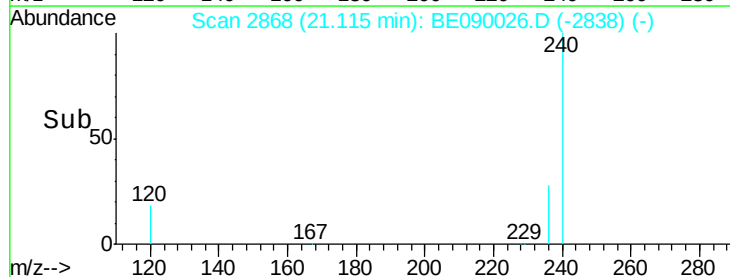
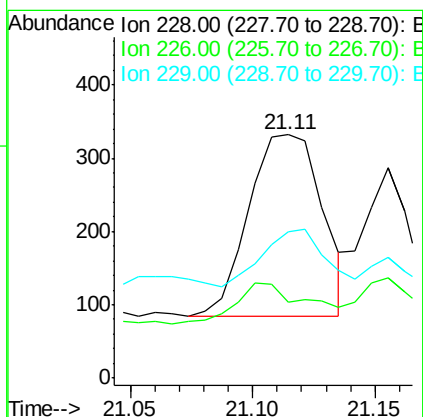
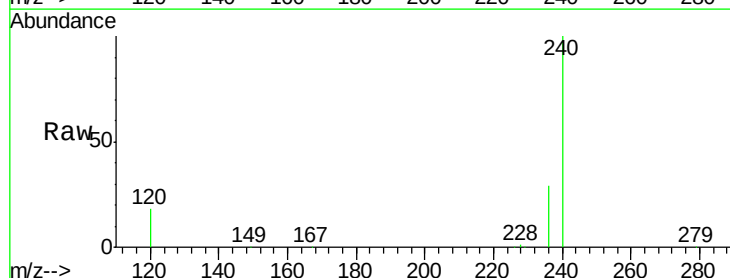
Instrument :
 BNA_E
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 X1SB0520204-150625

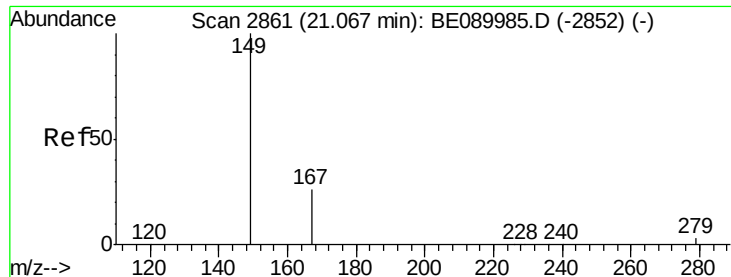
Tgt Ion: 244 Resp: 46851
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 13.0 9.8 14.8



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.11 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: BE090026.D
 Acq: 1 Jul 2015 00:32

Tgt Ion: 228 Resp: 516
 Ion Ratio Lower Upper
 228 100
 226 31.3 21.8 32.6
 229 60.2 15.8 23.6#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.40 ng

RT: 21.05 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

Instrument :

BNA_E

ClientSampleId :

X1SB0520204-150625

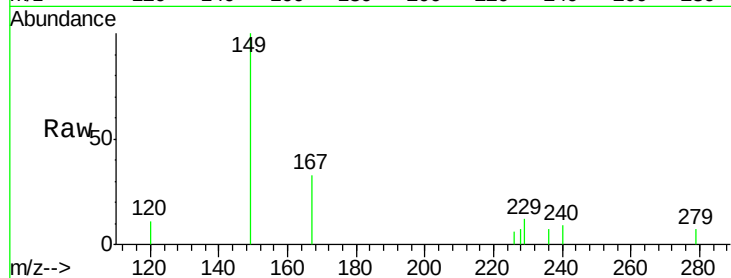
Tgt Ion:149 Resp: 1031

Ion Ratio Lower Upper

149 100

167 28.9 20.3 30.5

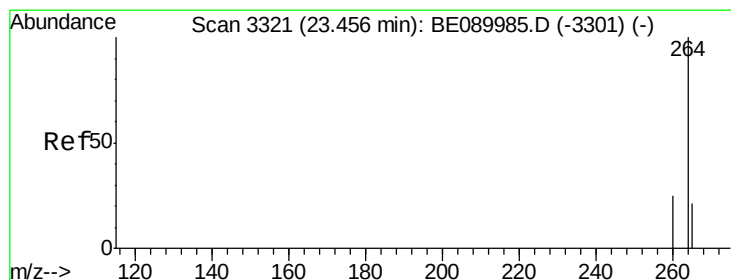
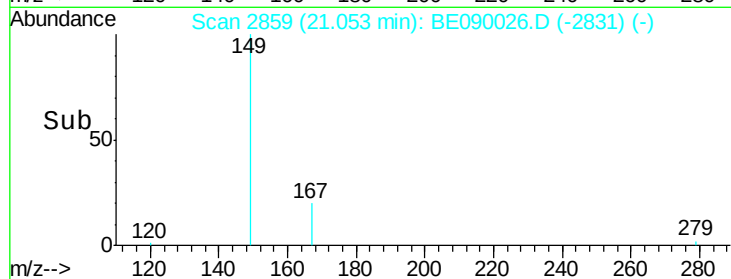
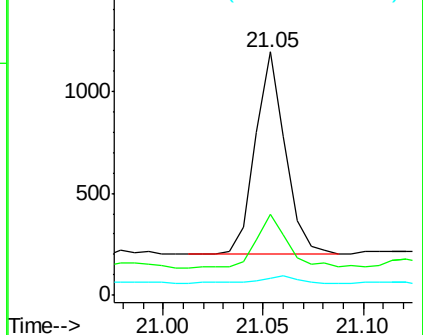
279 4.3 2.6 3.8#



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.44 min Scan# 3317

Delta R.T. -0.02 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

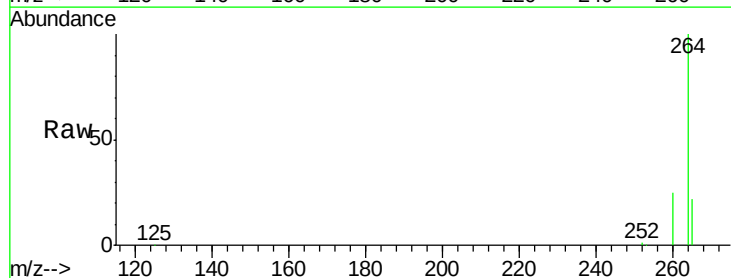
Tgt Ion:264 Resp: 90293

Ion Ratio Lower Upper

264 100

260 25.0 20.2 30.2

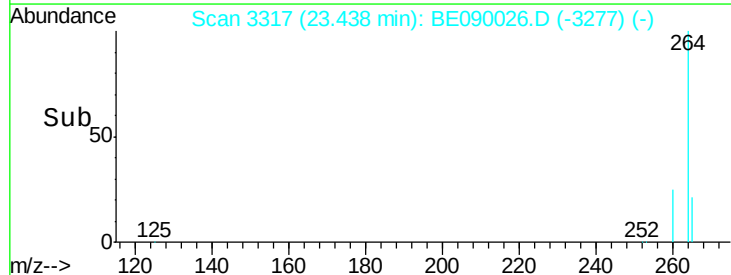
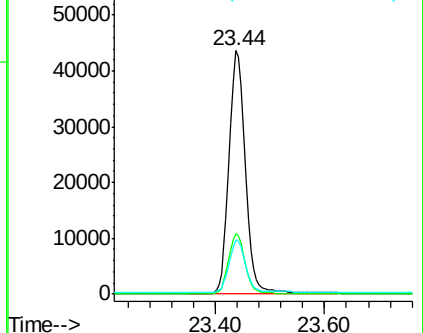
265 22.0 17.1 25.7

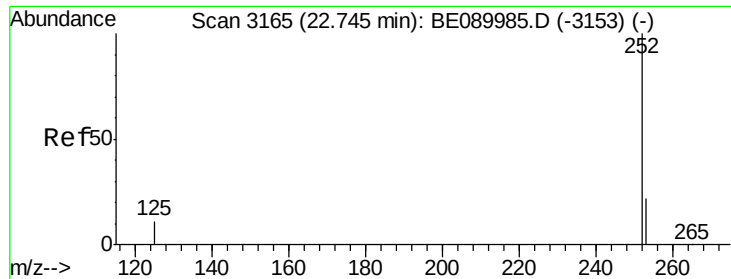


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.73 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

Instrument :

BNA_E

ClientSampleId :

X1SB0520204-150625

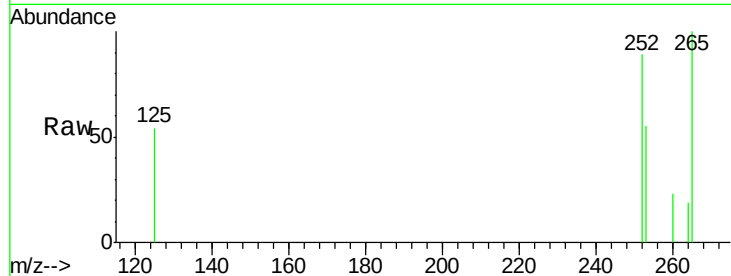
Tgt Ion:252 Resp: 468

Ion Ratio Lower Upper

252 100

253 61.9 17.8 26.8#

125 60.3 9.0 13.4#



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

22.73

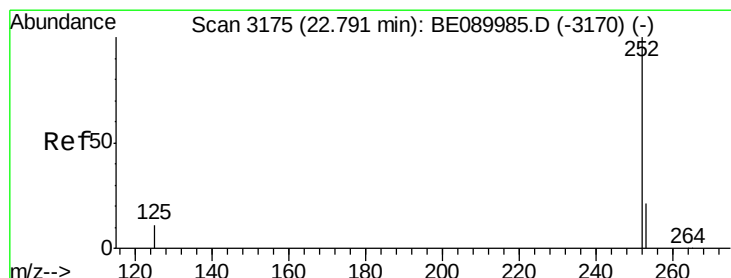
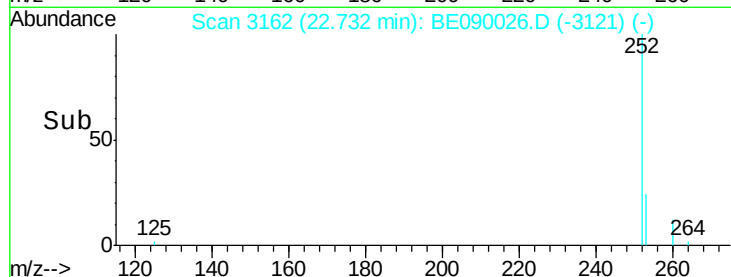
200

100

0

22.65 22.70 22.75

Time-->



#34

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.73 min Scan# 3162

Delta R.T. -0.06 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

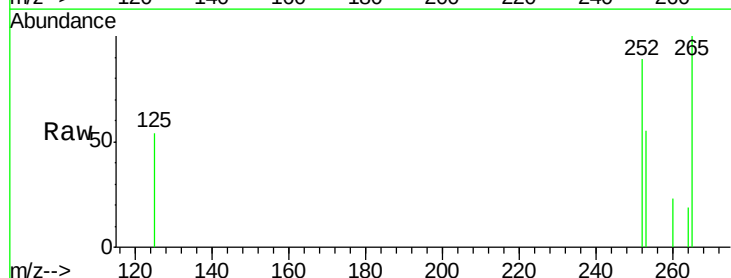
Tgt Ion:252 Resp: 468

Ion Ratio Lower Upper

252 100

253 61.9 17.5 26.3#

125 60.3 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

22.73

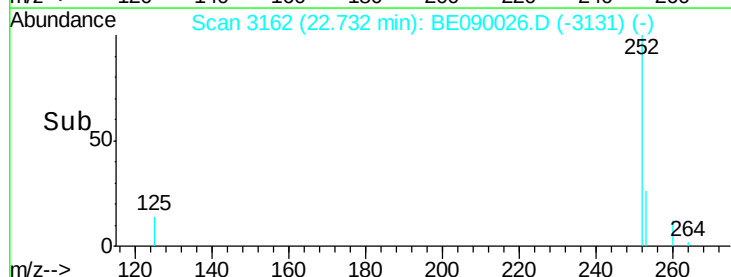
200

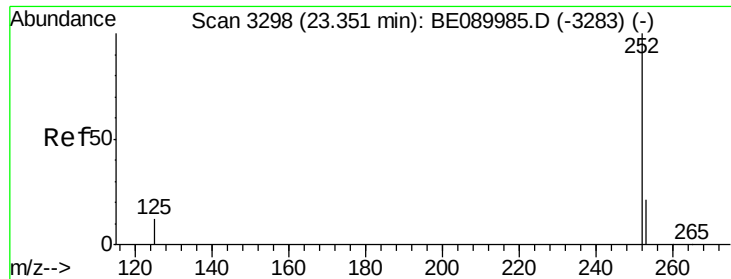
100

0

22.65 22.70 22.75

Time-->





#35

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.33 min Scan# 3294

Delta R.T. -0.02 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

Instrument :

BNA_E

ClientSampleId :

X1SB0520204-150625

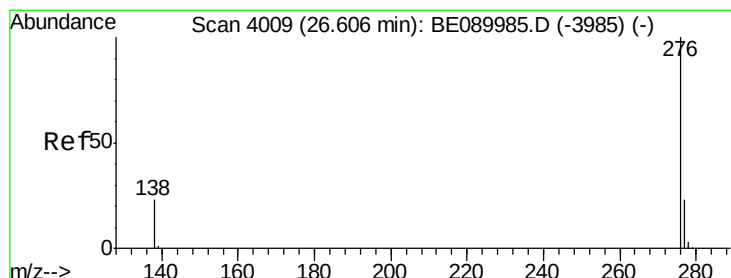
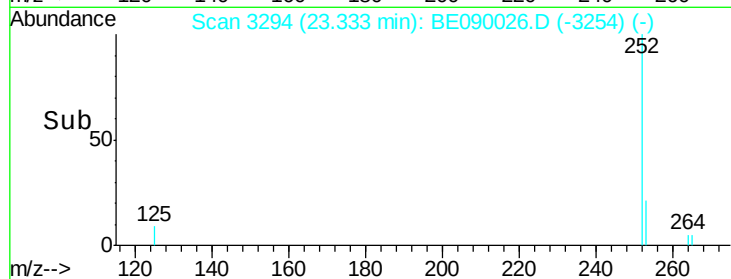
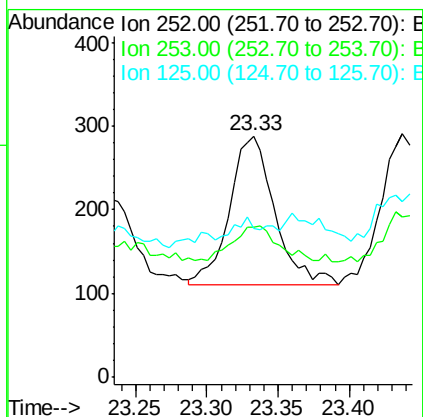
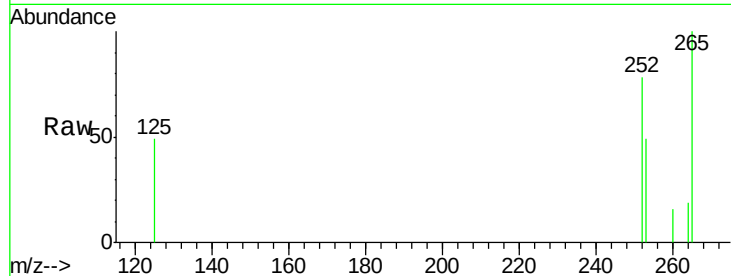
Tgt Ion: 252 Resp: 391

Ion Ratio Lower Upper

252 100

253 62.2 17.4 26.2#

125 61.8 10.5 15.7#



#37

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 26.57 min Scan# 4001

Delta R.T. -0.04 min

Lab File: BE090026.D

Acq: 1 Jul 2015 00:32

Tgt Ion: 276 Resp: 430

Ion Ratio Lower Upper

276 100

277 55.8 18.8 28.2#

138 69.2 18.6 27.8#

