

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090025.D
 Acq On : 30 Jun 2015 23:56
 Operator : TP/IZ
 Sample : G2811-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520624-150625-D

Quant Time: Jul 01 06:08:34 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

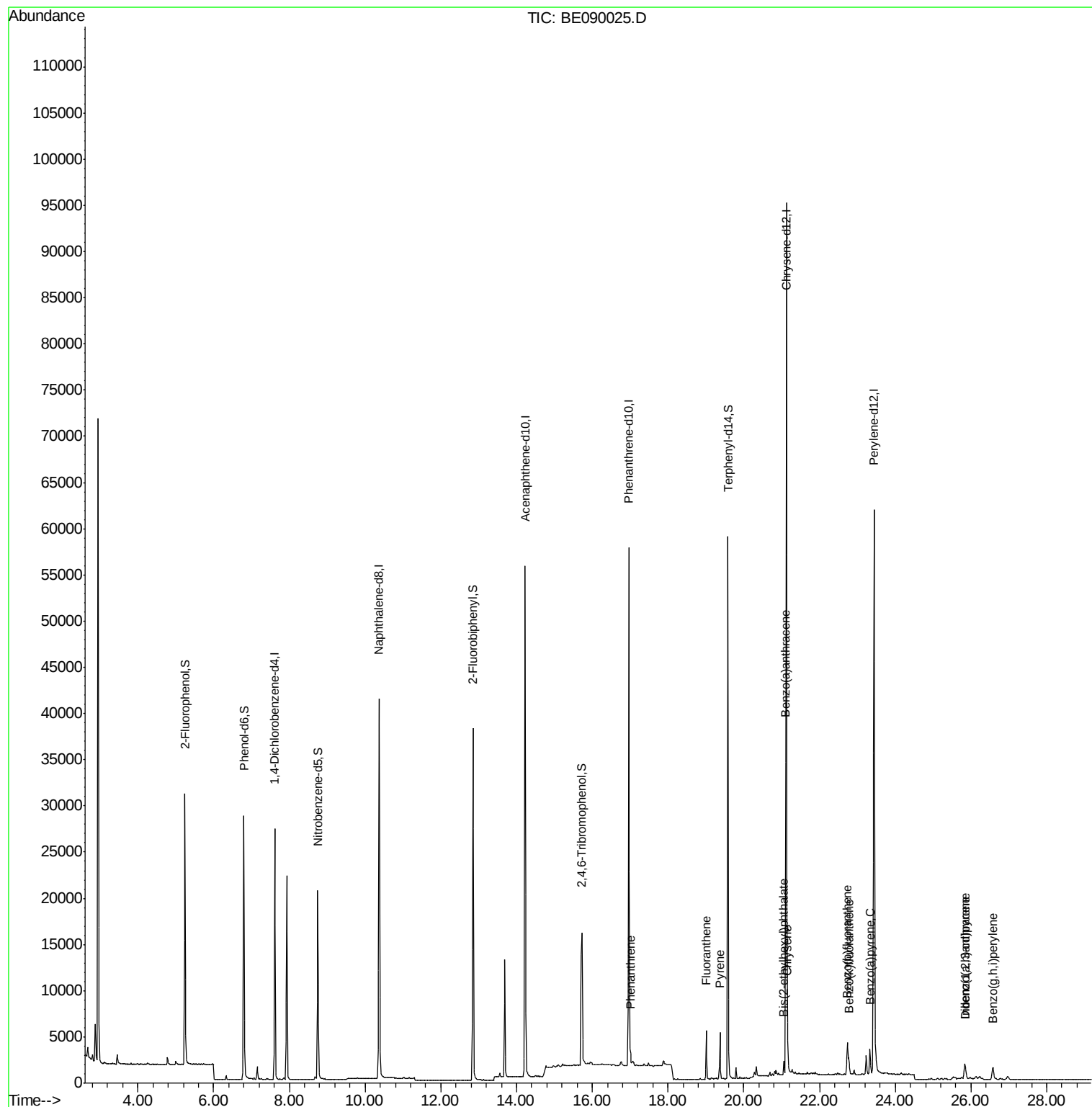
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	12924	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	55776	5.00	ng	-0.02
12) Acenaphthene-d10	14.23	164	31502	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	69488	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	85939	5.00	ng	-0.01
32) Perylene-d12	23.44	264	83580	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	21021	7.08	ng	0.00
5) Phenol-d6	6.80	99	30487	7.34	ng	0.00
7) Nitrobenzene-d5	8.75	82	17996	4.06	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	7481	8.10	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	38383	4.05	ng	0.00
27) Terphenyl-d14	19.58	244	57435	4.01	ng	-0.01
Target Compounds						Qvalue
22) Phenanthrene	17.01	178	1345	0.08	ng	# 96
24) Fluoranthene	19.01	202	4771	0.24	ng	99
26) Pyrene	19.37	202	4652	0.23	ng	# 95
28) Benzo(a)anthracene	21.10	228	4091	0.19	ng	96
29) Chrysene	21.16	228	4139	0.19	ng	94
30) Bis(2-ethylhexyl)phthalate	21.05	149	1262	0.43	ng	96
31) Indeno(1,2,3-cd)pyrene	25.84	276	2787	0.13	ng	99
33) Benzo(b)fluoranthene	22.73	252	5894	0.32	ng	# 87
34) Benzo(k)fluoranthene	22.77	252	2145m	0.10	ng	
35) Benzo(a)pyrene	23.33	252	3972	0.23	ng	# 85
36) Dibenzo(a,h)anthracene	25.85	278	830	0.05	ng	# 54
37) Benzo(g,h,i)perylene	26.58	276	2936	0.17	ng	# 88

(#) = 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: BE090025.D

Acq: 30 Jun 2015 23:56

Instrument :

BNA_E

ClientSampleId :

X1SS0520624-150625-D

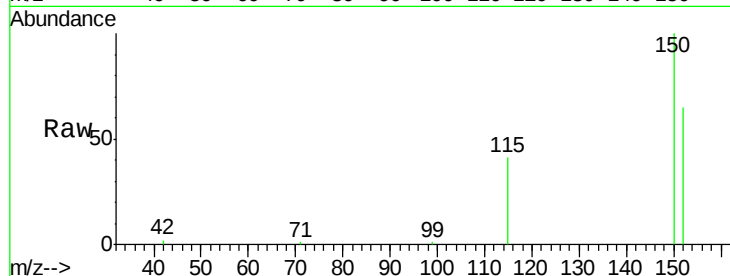
Tgt Ion:152 Resp: 12924

Ion Ratio Lower Upper

152 100

150 154.9 123.9 185.9

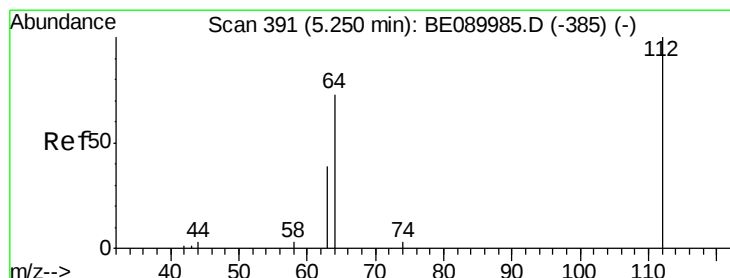
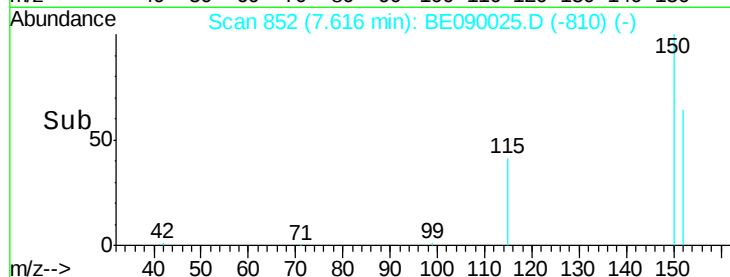
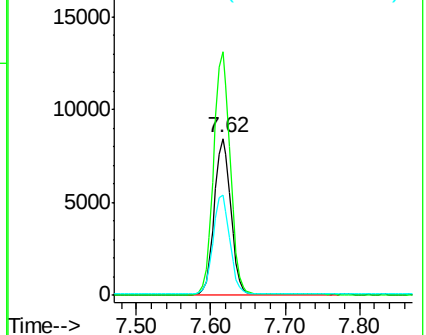
115 64.1 50.6 76.0



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



#4

2-Fluorophenol

Concen: 7.08 ng

RT: 5.25 min Scan# 390

Delta R.T. -0.00 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

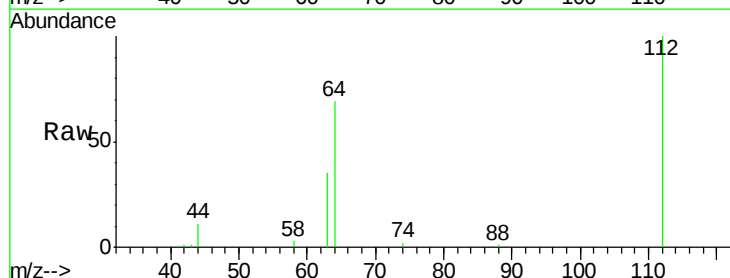
Tgt Ion:112 Resp: 21021

Ion Ratio Lower Upper

112 100

64 70.3 56.3 84.5

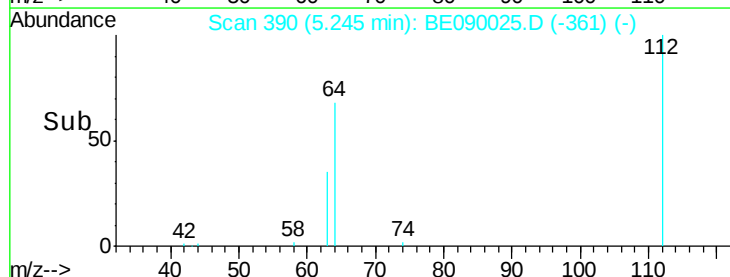
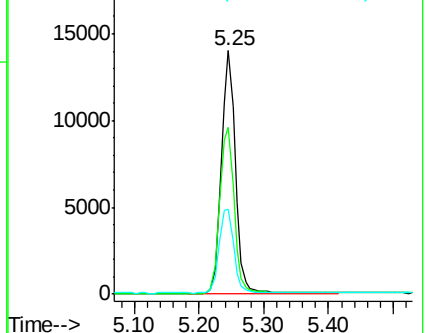
63 36.3 29.8 44.6

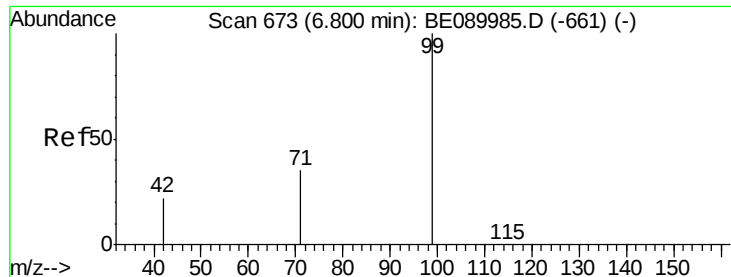


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.34 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

Instrument :

BNA_E

ClientSampleId :

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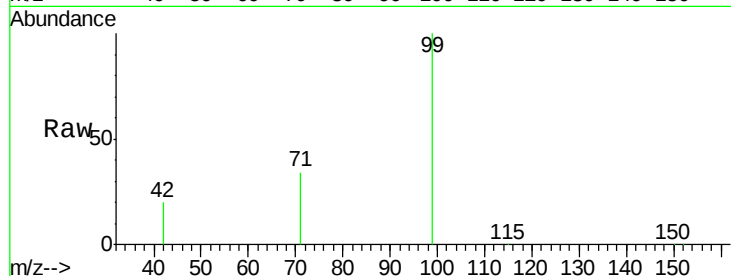
Tgt Ion: 99 Resp: 30487

Ion Ratio Lower Upper

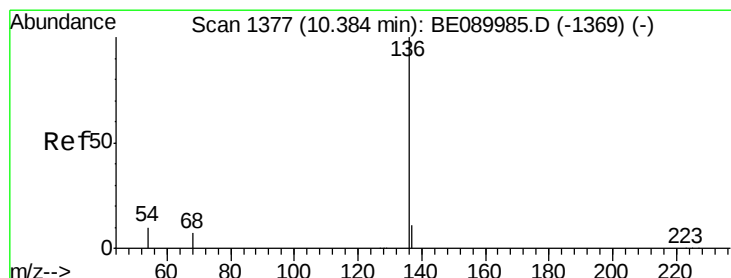
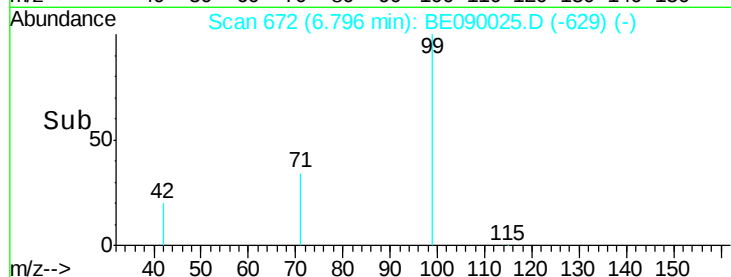
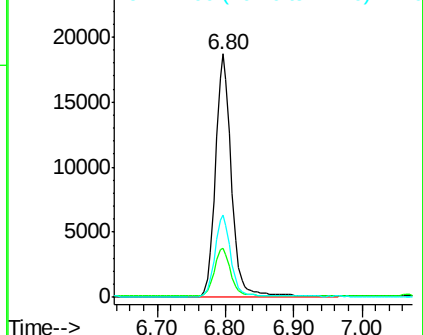
99 100

42 20.2 18.7 28.1

71 33.7 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: BE090025.D

Acq: 30 Jun 2015 23:56

Tgt Ion: 136 Resp: 55776

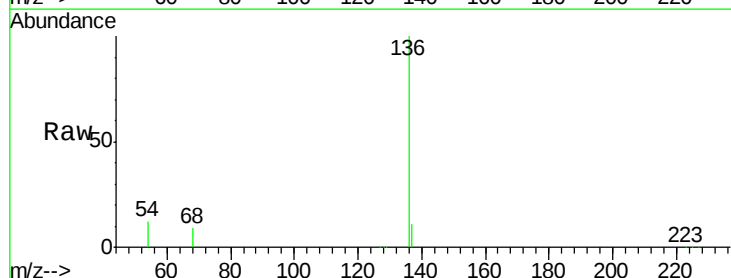
Ion Ratio Lower Upper

136 100

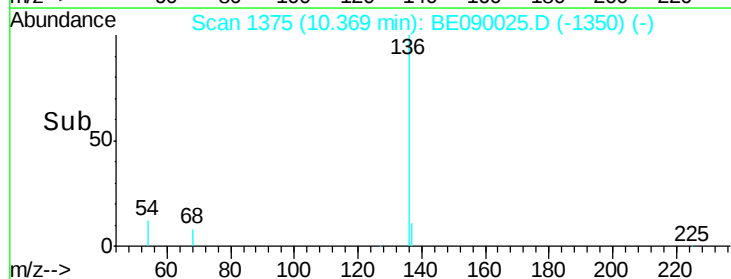
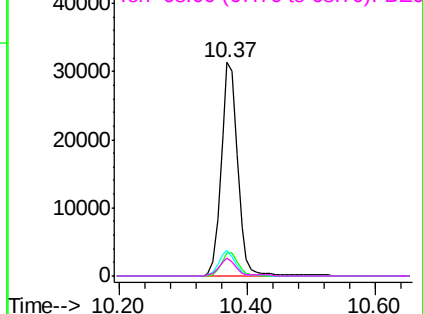
137 11.0 8.9 13.3

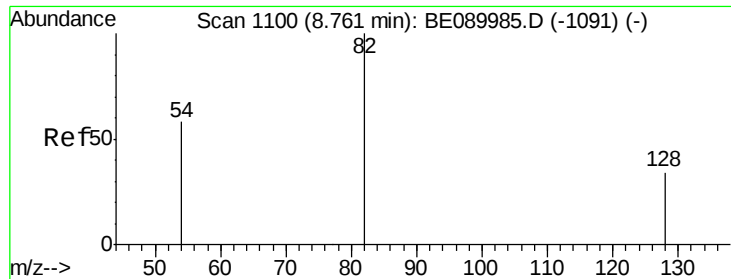
54 12.1 8.2 12.4

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: 4.06 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

Instrument :

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ClientSampleId :

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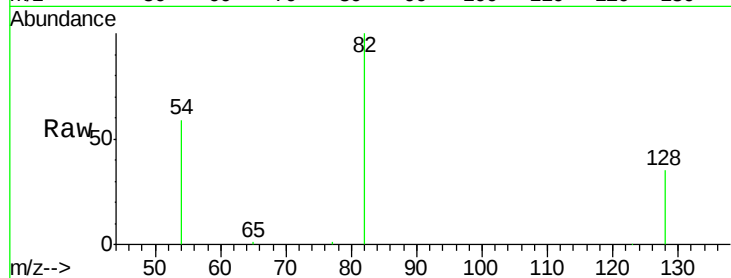
Tgt Ion: 82 Resp: 17996

Ion Ratio Lower Upper

82 100

128 34.7 28.0 42.0

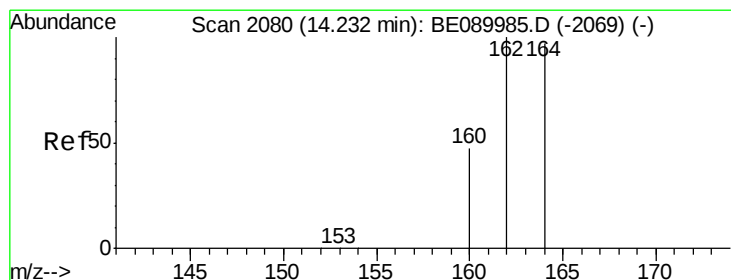
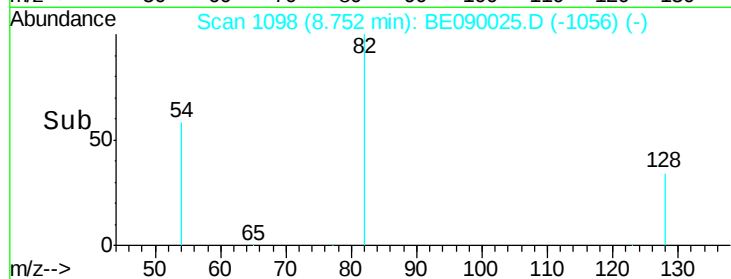
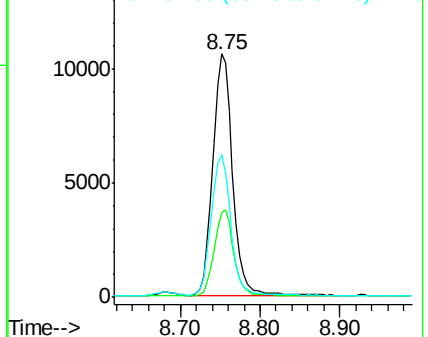
54 58.5 47.6 71.4



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: 14.23 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

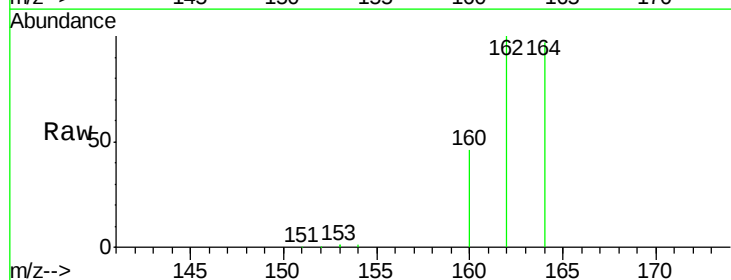
Tgt Ion: 164 Resp: 31502

Ion Ratio Lower Upper

164 100

162 103.5 82.2 123.4

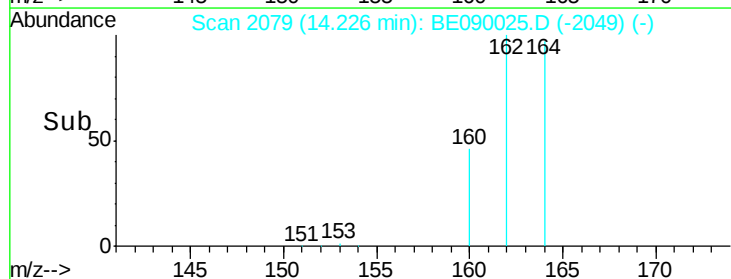
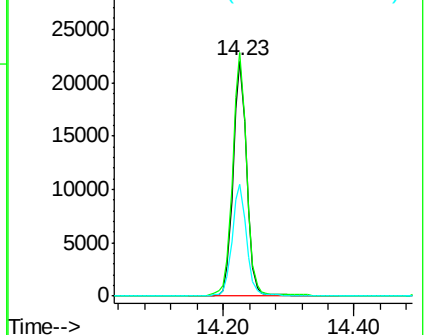
160 47.6 39.0 58.6

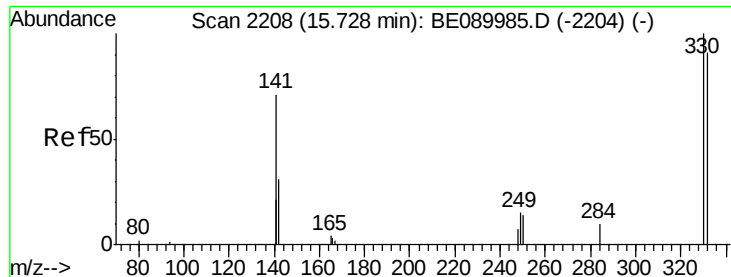


Abundance Ion 164.00 (163.70 to 164.70): BE0

Ion 162.00 (161.70 to 162.70): BE0

Ion 160.00 (159.70 to 160.70): BE0

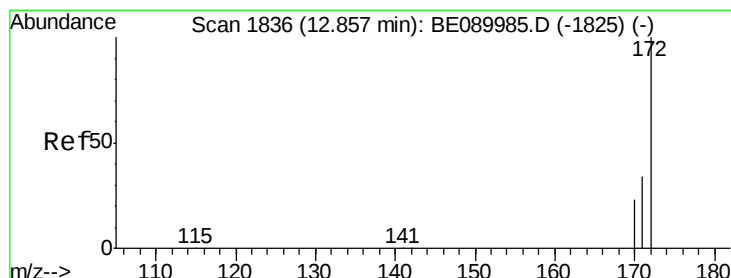
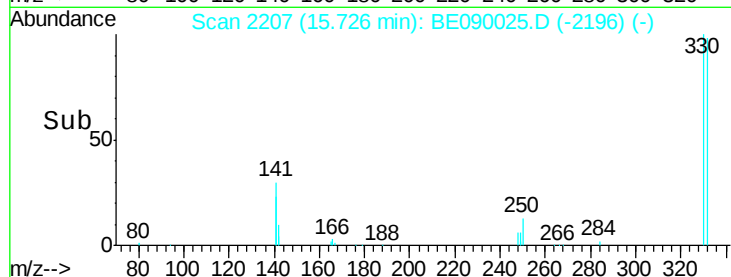
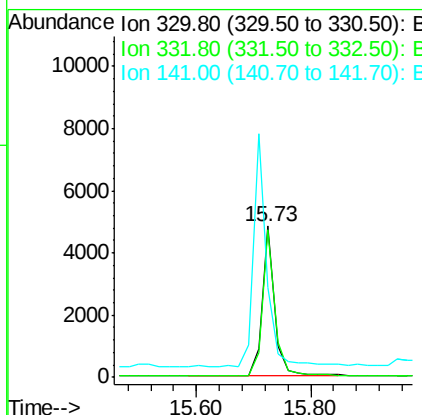
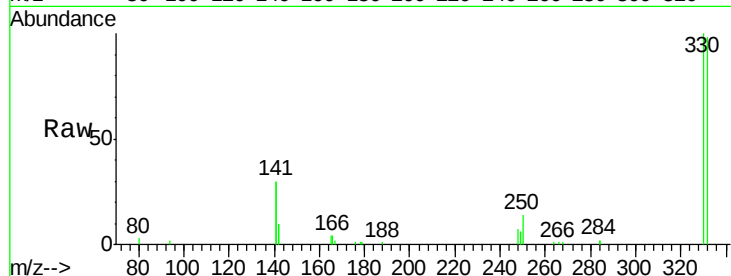




#13
 2,4,6-Tribromophenol
 Concen: 8.10 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090025.D
 Acq: 30 Jun 2015 23:56

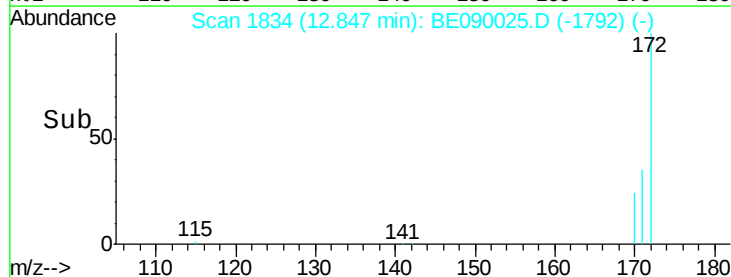
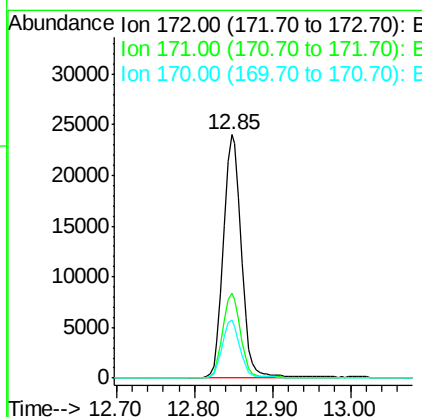
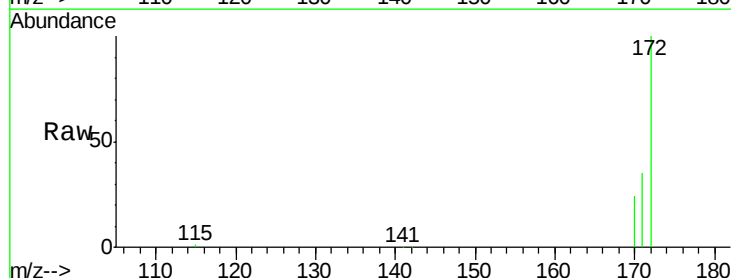
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520624-150625-D

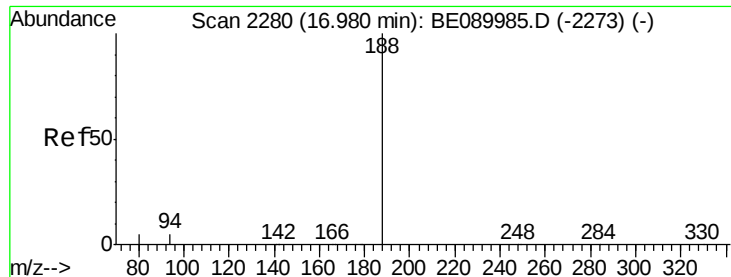
Tgt Ion: 330 Resp: 7481
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.4 114.6
 141 166.8 130.3 195.5



#14
 2-Fluorobiphenyl
 Concen: 4.05 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090025.D
 Acq: 30 Jun 2015 23:56

Tgt Ion: 172 Resp: 38383
 Ion Ratio Lower Upper
 172 100
 171 34.7 27.8 41.6
 170 23.7 18.3 27.5

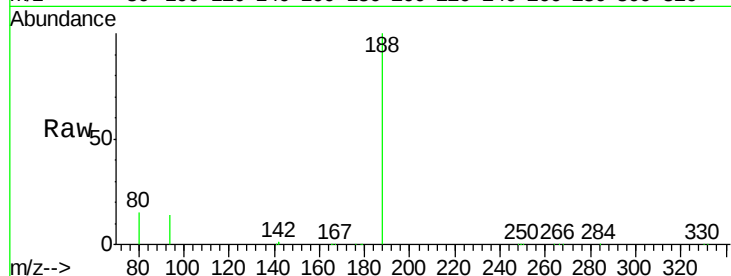




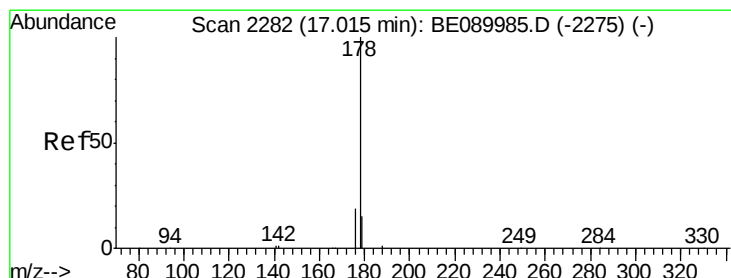
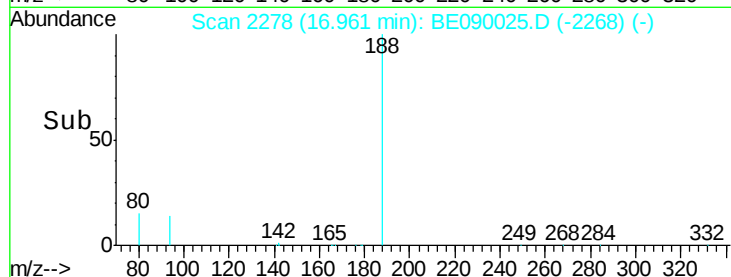
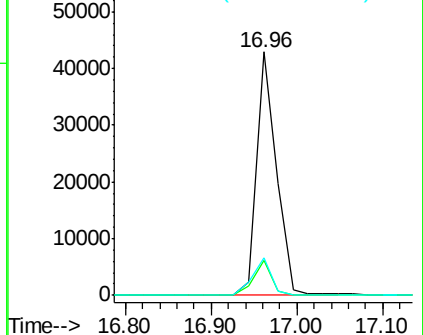
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090025.D
Acq: 30 Jun 2015 23:56

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.2	4.1	6.1#
80	15.5	4.2	6.2#

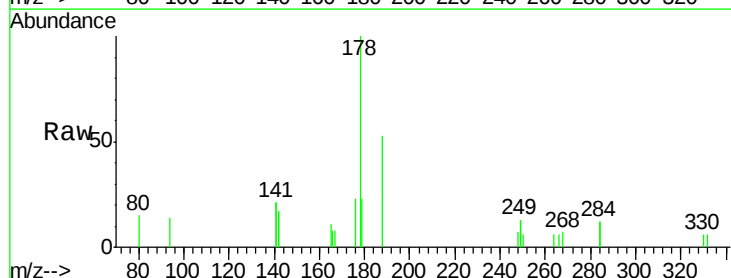


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

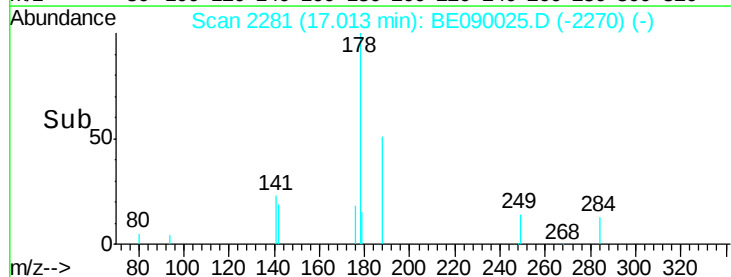
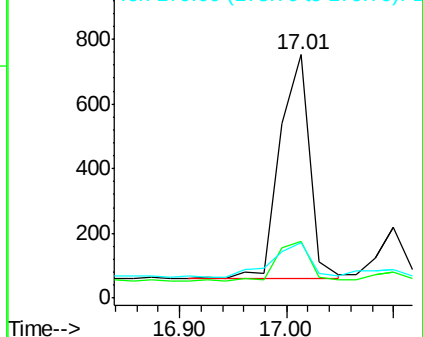


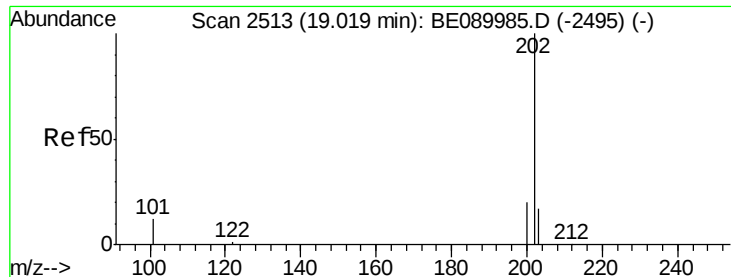
#22
Phenanthrene
Concen: 0.08 ng
RT: 17.01 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE090025.D
Acq: 30 Jun 2015 23:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	18.8	12.4	18.6#



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

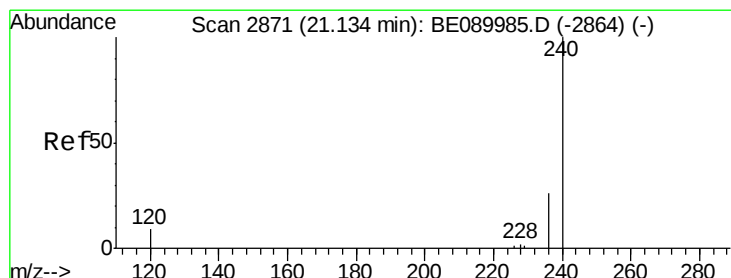
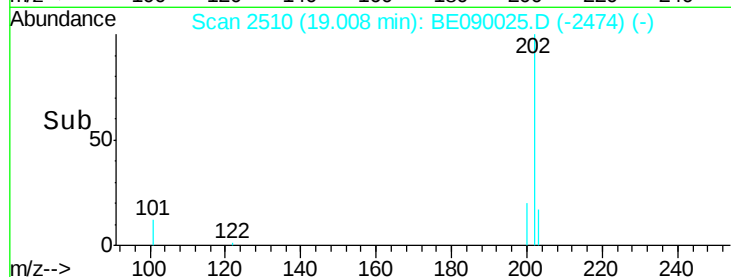
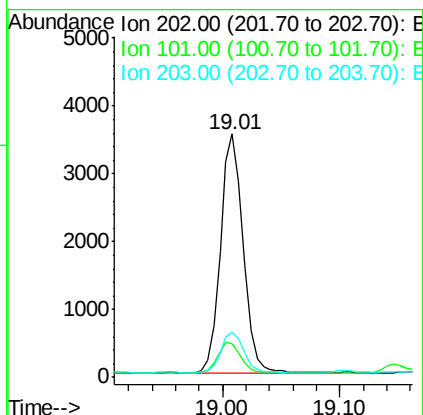
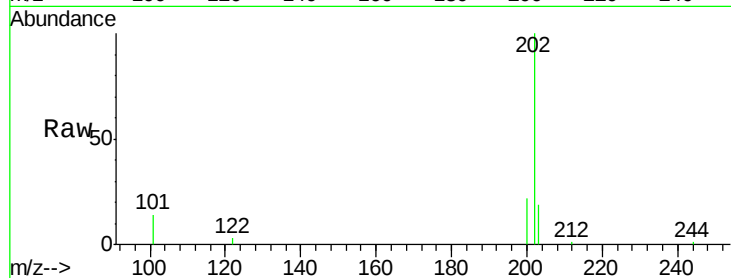




#24
Fluoranthene
Concen: 0.24 ng
RT: 19.01 min Scan# 2510
Delta R.T. -0.01 min
Lab File: BE090025.D
Acq: 30 Jun 2015 23:56

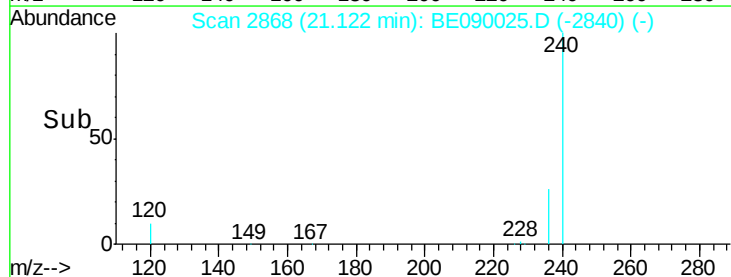
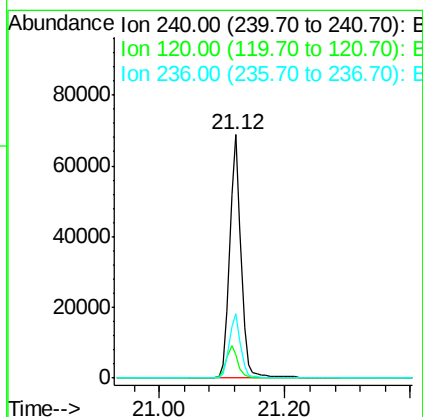
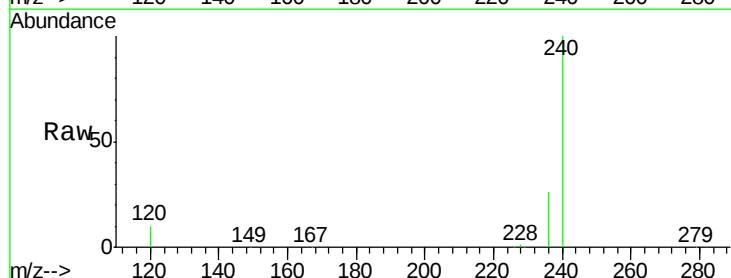
Instrument :
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ClientSampleId :
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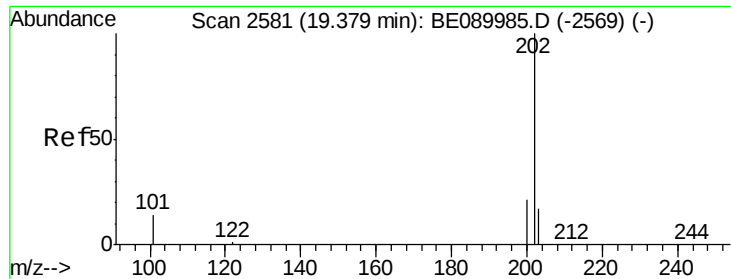
Tgt Ion: 202 Resp: 4771
Ion Ratio Lower Upper
202 100
101 13.6 10.6 15.8
203 17.1 13.8 20.6



#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 2868
Delta R.T. -0.01 min
Lab File: BE090025.D
Acq: 30 Jun 2015 23:56

Tgt Ion: 240 Resp: 85939
Ion Ratio Lower Upper
240 100
120 9.7 6.9 10.3
236 26.3 20.8 31.2

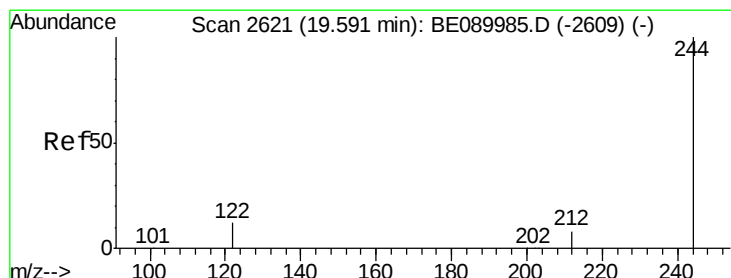
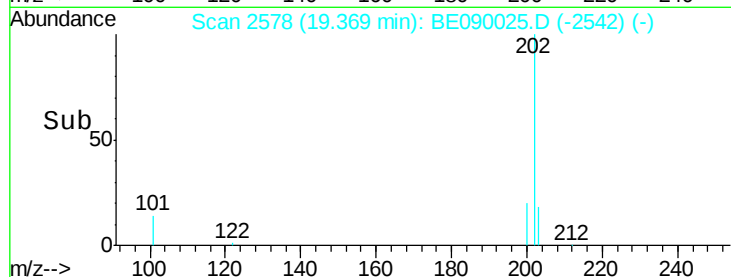
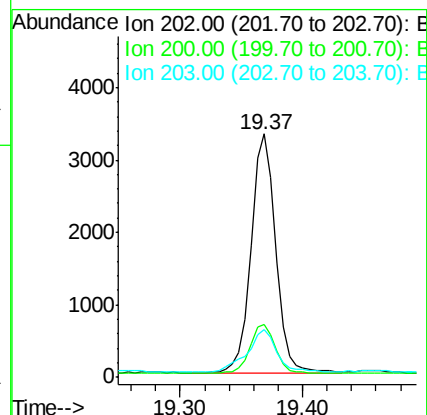
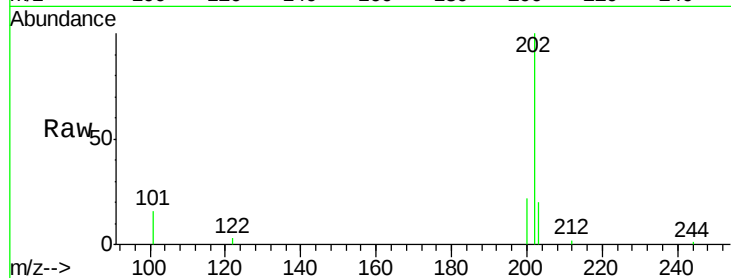




#26
 Pyrene
 Concen: 0.23 ng
 RT: 19.37 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BE090025.D
 Acq: 30 Jun 2015 23:56

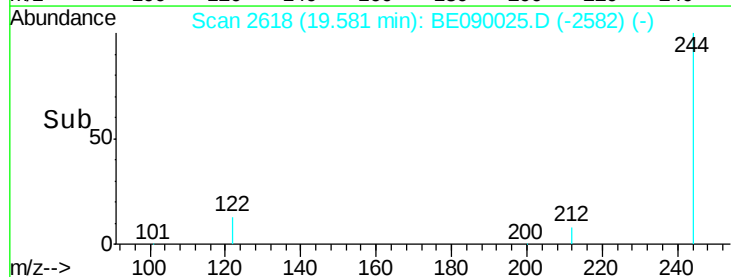
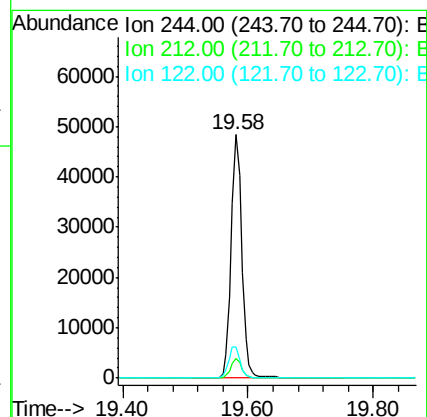
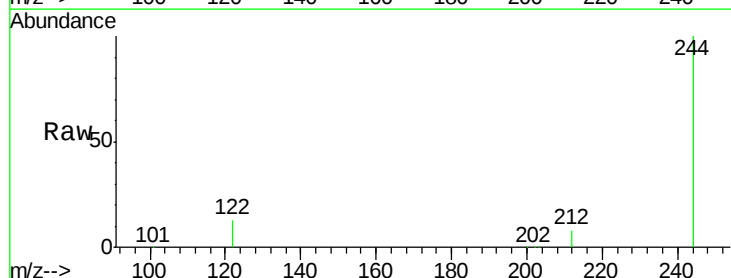
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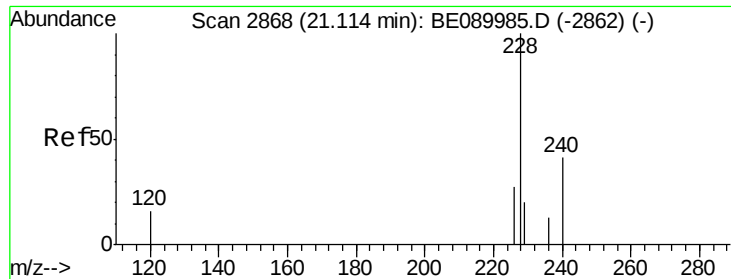
Tgt Ion: 202 Resp: 4652
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.8 25.2
 203 21.7 13.9 20.9#



#27
 Terphenyl-d14
 Concen: 4.01 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090025.D
 Acq: 30 Jun 2015 23:56

Tgt Ion: 244 Resp: 57435
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 12.9 9.8 14.8





#28

Benzo(a)anthracene

Concen: 0.19 ng

RT: 21.10 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

Instrument :

BNA_E

ClientSampleId :

X1SS0520624-150625-D

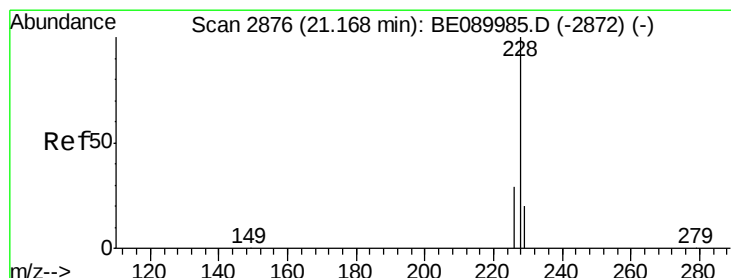
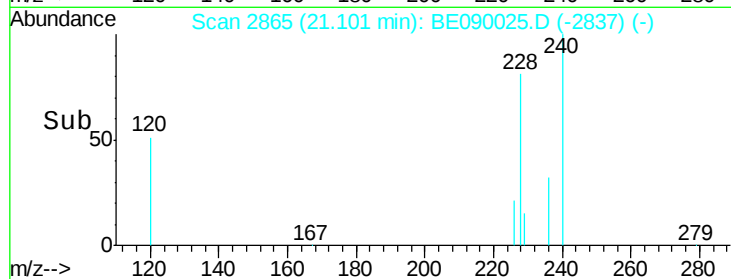
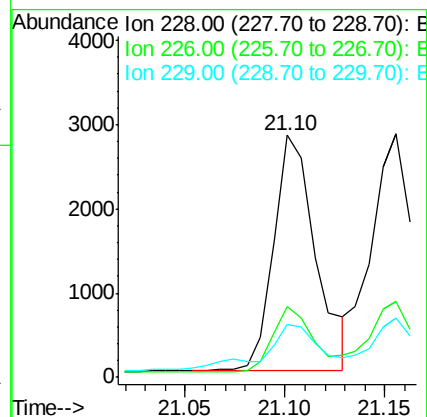
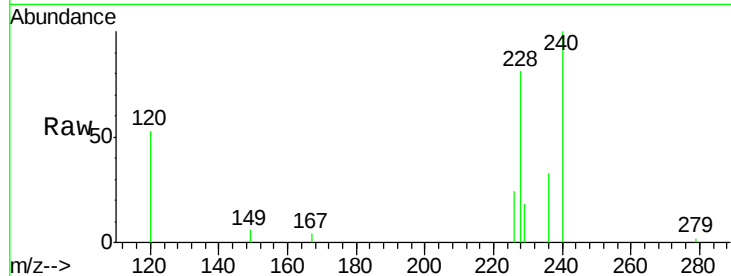
Tgt Ion:228 Resp: 4091

Ion Ratio Lower Upper

228 100

226 29.3 21.8 32.6

229 21.9 15.8 23.6



#29

Chrysene

Concen: 0.19 ng

RT: 21.16 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

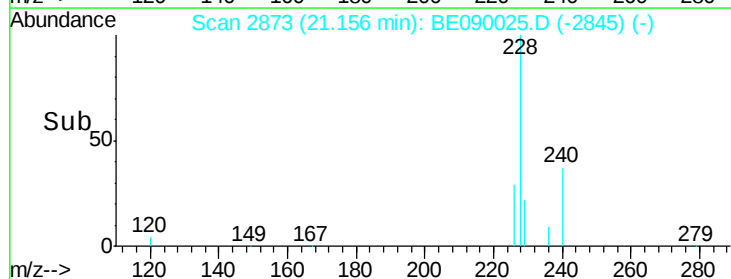
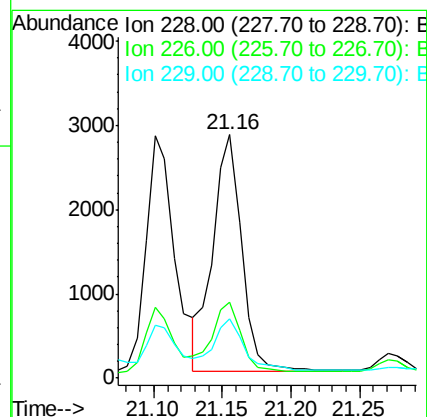
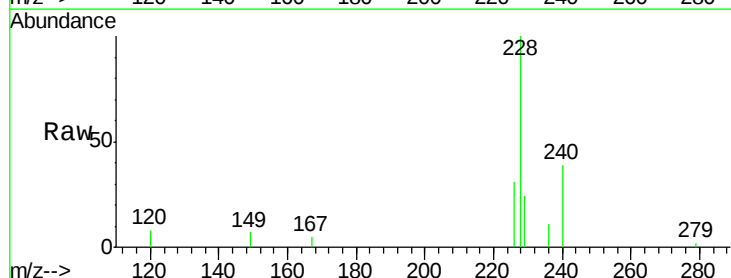
Tgt Ion:228 Resp: 4139

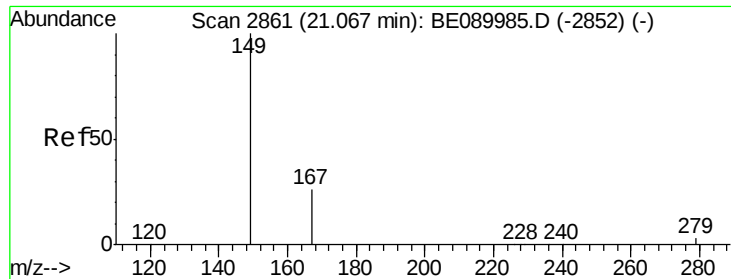
Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

229 24.2 16.2 24.2

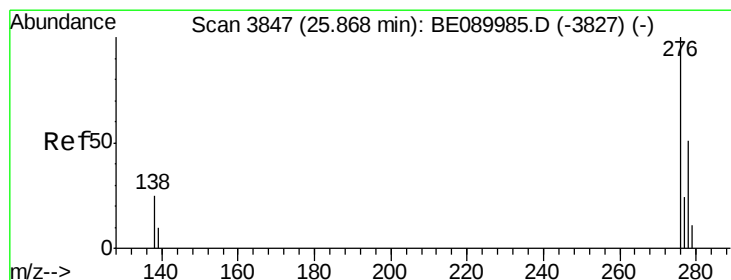
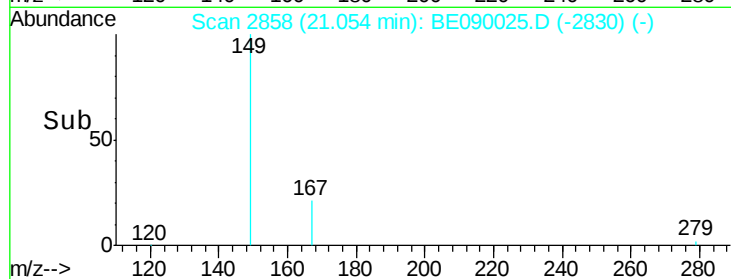
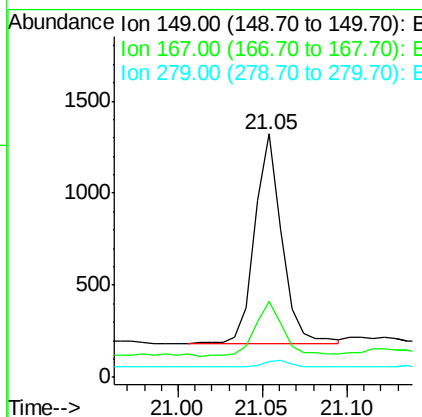
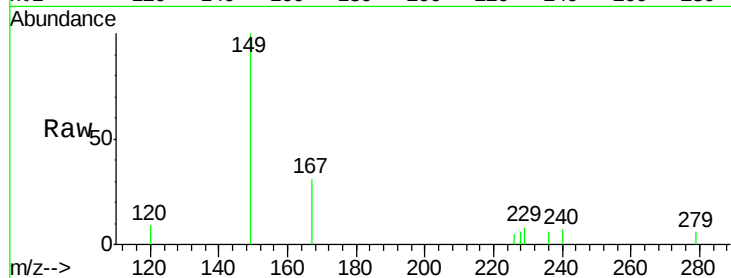




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.43 ng
 RT: 21.05 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BE090025.D
 Acq: 30 Jun 2015 23:56

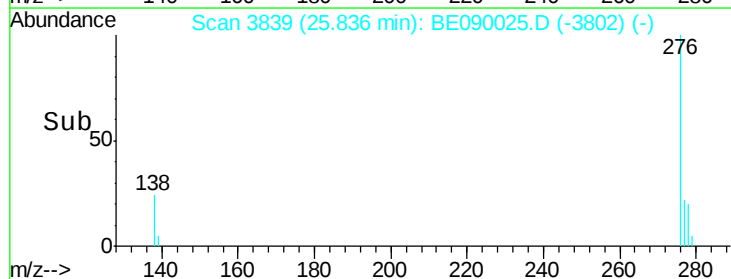
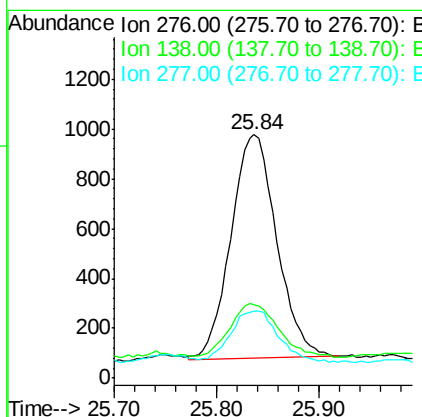
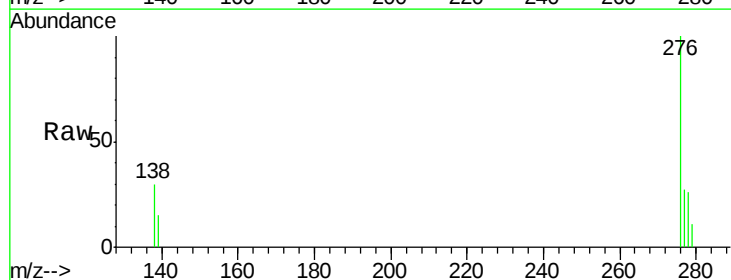
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520624-150625-D

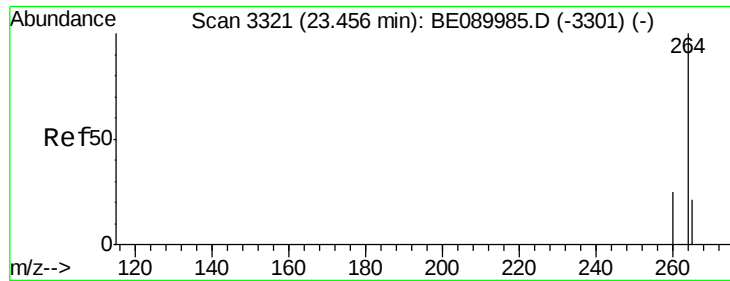
Tgt Ion: 149 Resp: 1262
 Ion Ratio Lower Upper
 149 100
 167 27.4 20.3 30.5
 279 3.8 2.6 3.8



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.13 ng
 RT: 25.84 min Scan# 3839
 Delta R.T. -0.03 min
 Lab File: BE090025.D
 Acq: 30 Jun 2015 23:56

Tgt Ion: 276 Resp: 2787
 Ion Ratio Lower Upper
 276 100
 138 26.2 21.3 31.9
 277 24.3 19.7 29.5





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.44 min Scan# 3316

Delta R.T. -0.02 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

Instrument :

BNA_E

ClientSampleId :

X1SS0520624-150625-D

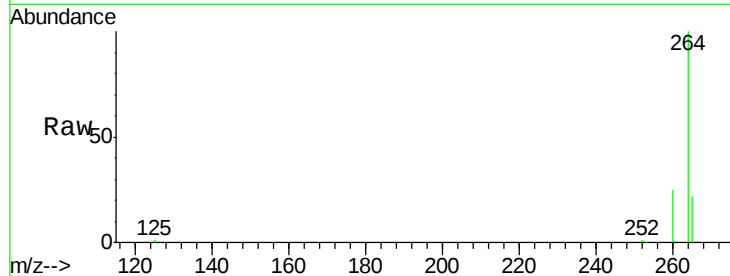
Tgt Ion:264 Resp: 83580

Ion Ratio Lower Upper

264 100

260 24.9 20.2 30.2

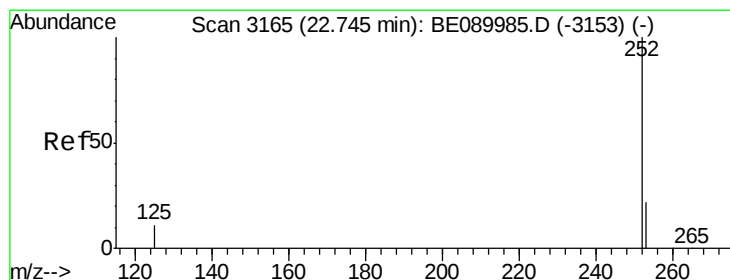
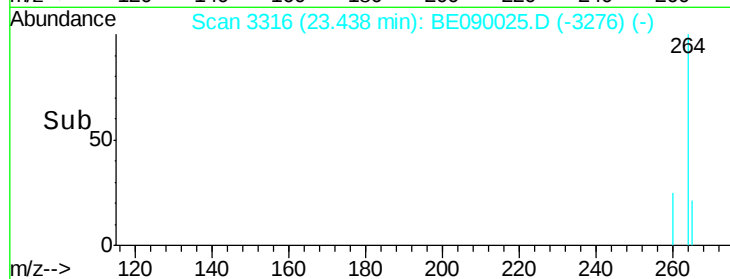
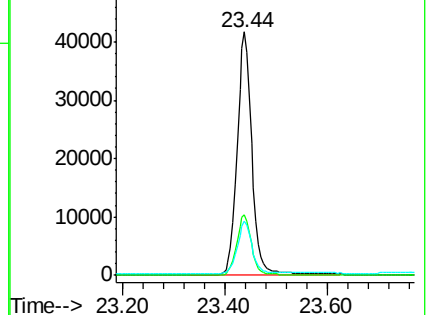
265 22.2 17.1 25.7



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: 0.32 ng

RT: 22.73 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

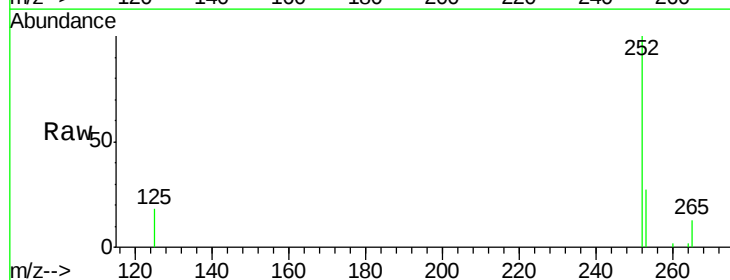
Tgt Ion:252 Resp: 5894

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.8

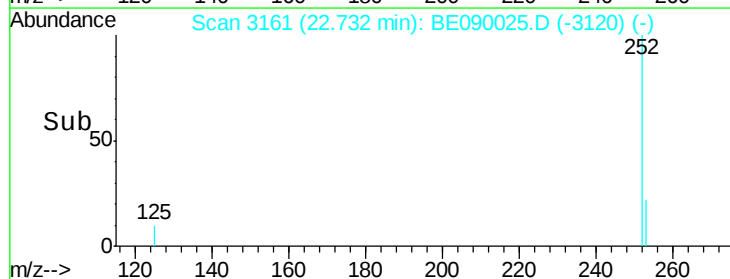
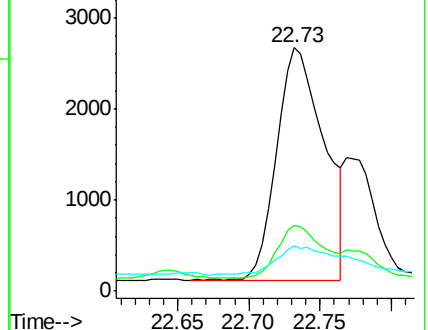
125 18.5 9.0 13.4#

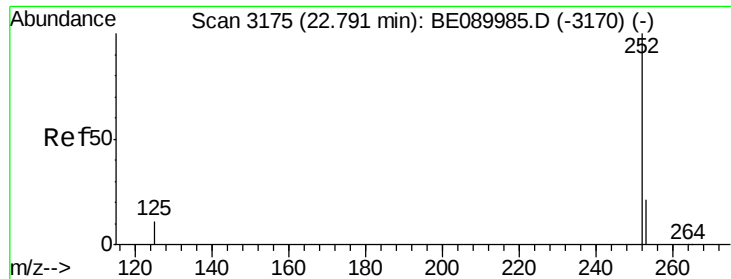


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#34

Benzo(k)fluoranthene

Concen: 0.10 ng m

RT: 22.77 min Scan# 3169

Delta R.T. -0.02 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

Instrument :

BNA_E

ClientSampleId :

X1SS0520624-150625-D

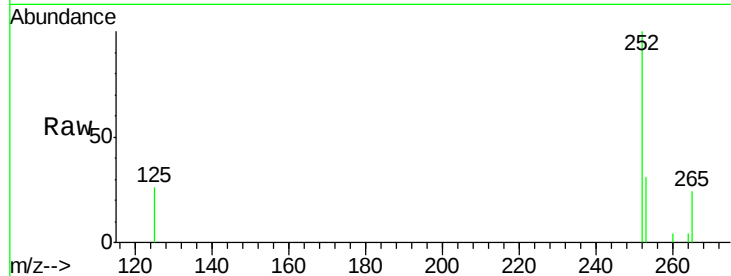
Tgt Ion:252 Resp: 2145

Ion Ratio Lower Upper

252 100

253 30.6 17.5 26.3#

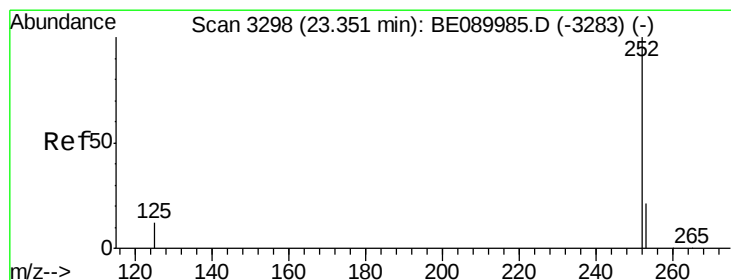
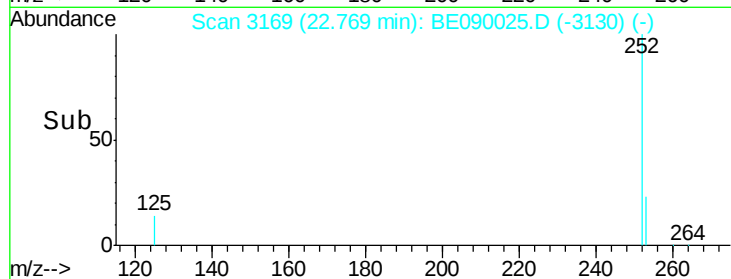
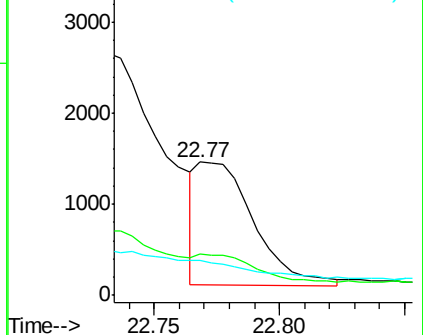
125 26.0 9.5 14.3#



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: 0.23 ng

RT: 23.33 min Scan# 3293

Delta R.T. -0.02 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

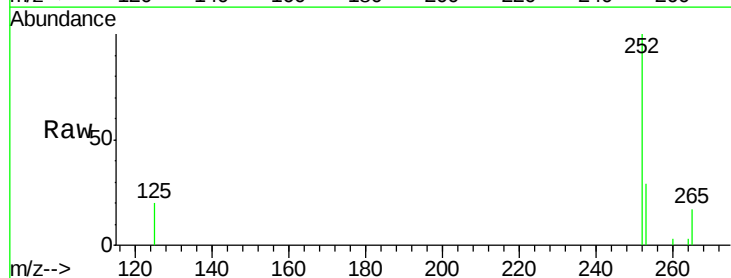
Tgt Ion:252 Resp: 3972

Ion Ratio Lower Upper

252 100

253 28.5 17.4 26.2#

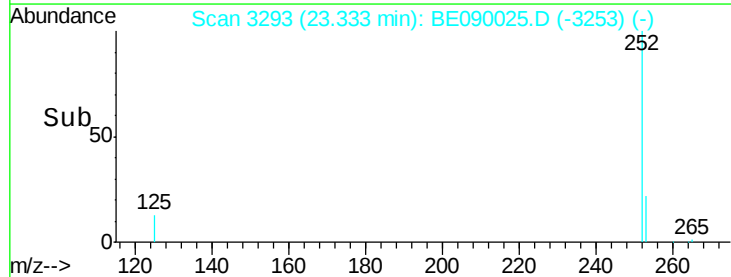
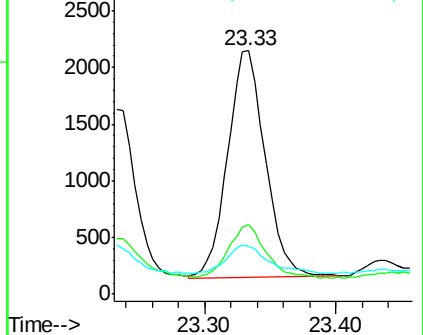
125 19.9 10.5 15.7#

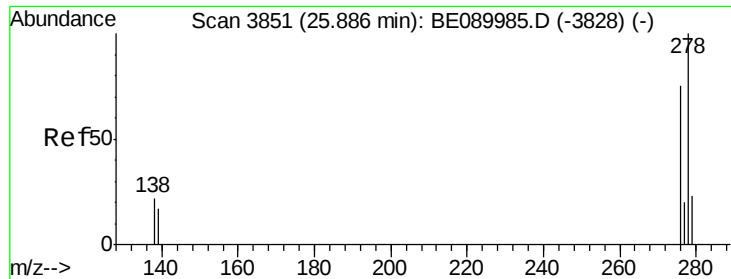


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 25.85 min Scan# 3842

Delta R.T. -0.04 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

Instrument :

BNA_E

ClientSampleId :

X1SS0520624-150625-D

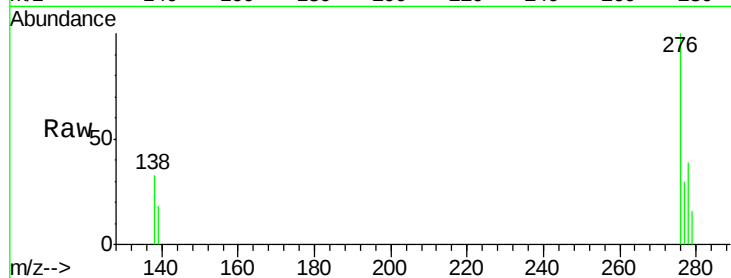
Tgt Ion:278 Resp: 830

Ion Ratio Lower Upper

278 100

139 46.5 14.4 21.6#

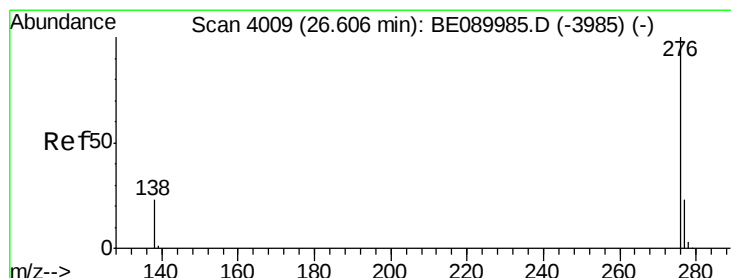
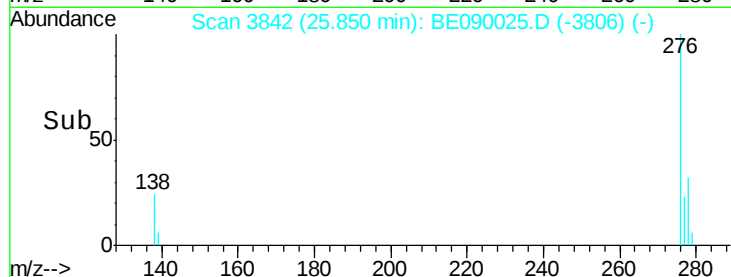
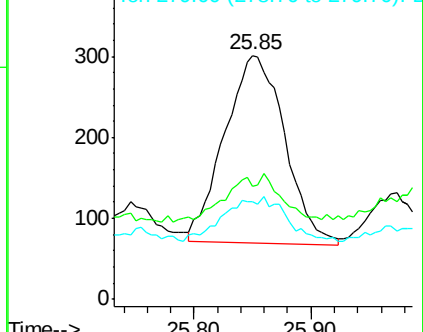
279 39.9 19.0 28.6#



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: 0.17 ng

RT: 26.58 min Scan# 4002

Delta R.T. -0.03 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

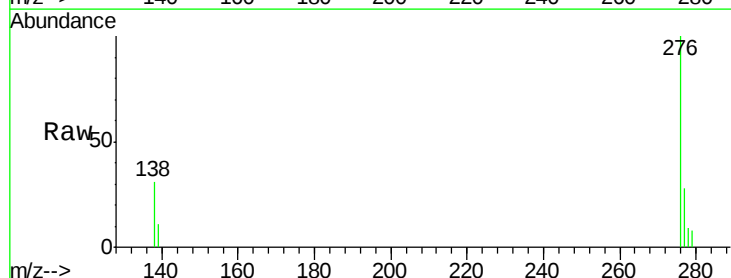
Tgt Ion:276 Resp: 2936

Ion Ratio Lower Upper

276 100

277 27.9 18.8 28.2

138 31.0 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

