

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 05:20:01 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

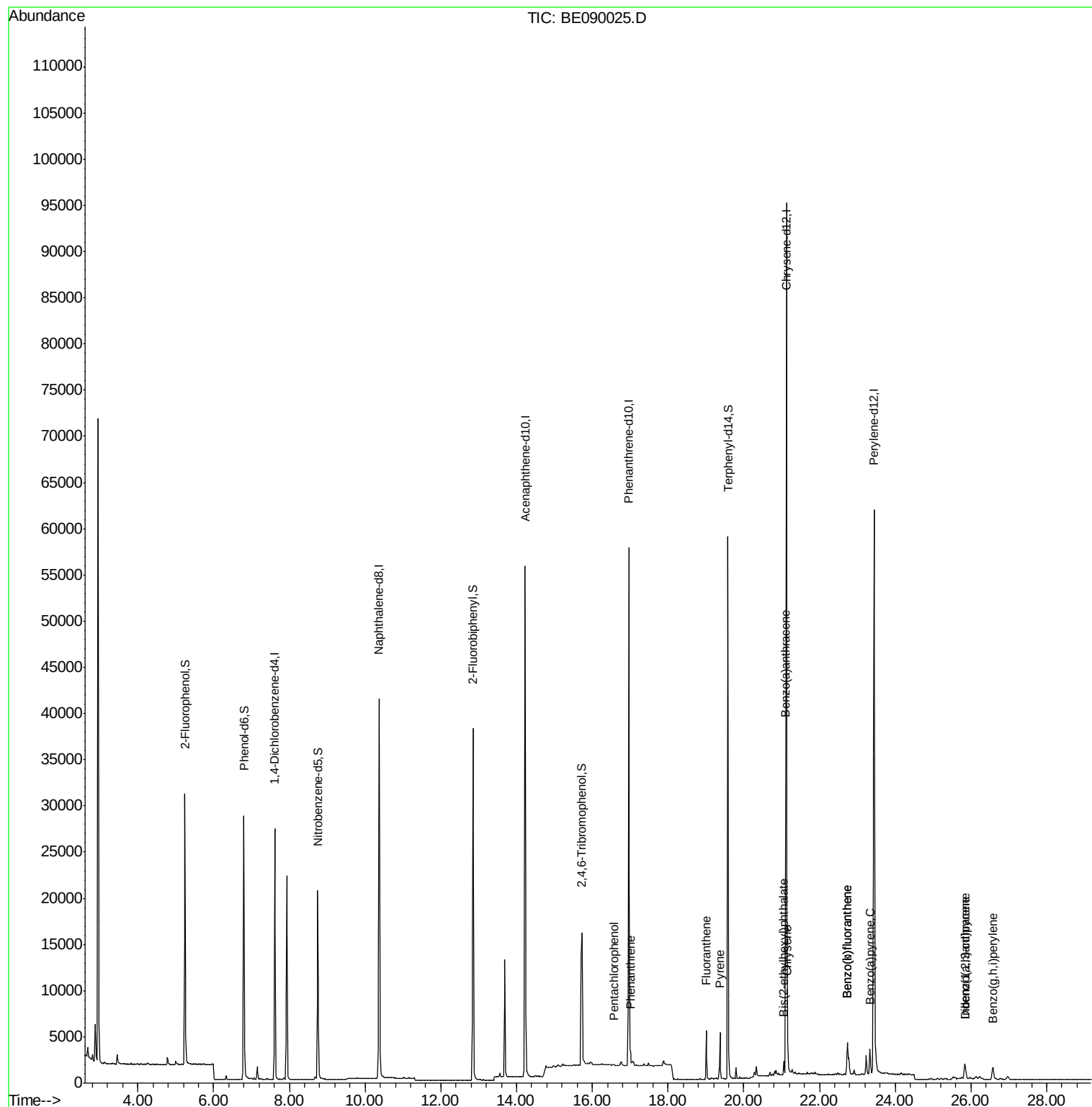
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
21) Pentachlorophenol	16.58	266	2	0.26	ng	# 52
22) Phenanthrene	17.01	178	1345	0.08	ng	# 96
24) Fluoranthene	19.01	202	4771	0.24	ng	# 99
26) Pyrene	19.37	202	4652	0.23	ng	# 95
28) Benzo(a)anthracene	21.10	228	4091	0.19	ng	# 96
29) Chrysene	21.16	228	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	22.73	252	5894	0.29	ng	# 87
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

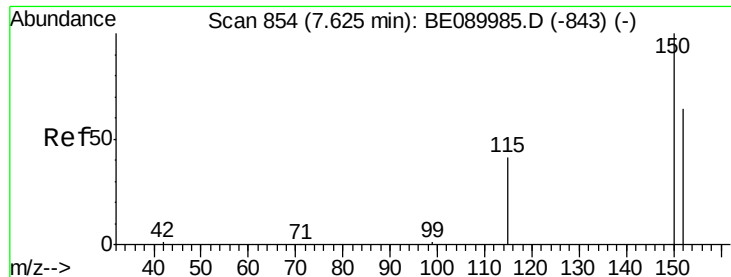
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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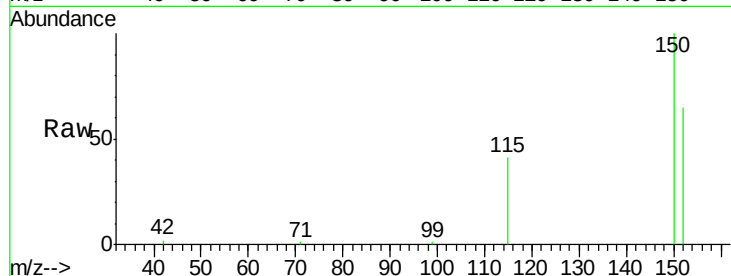




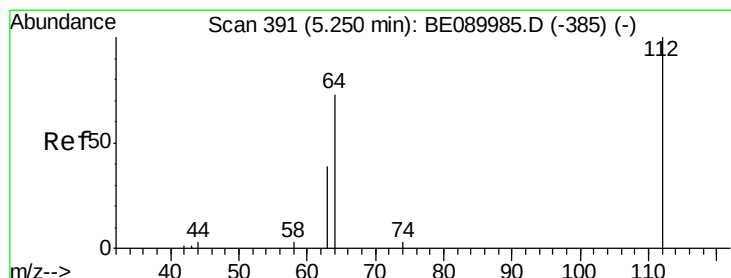
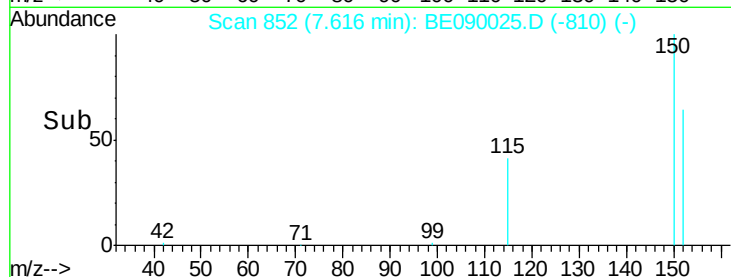
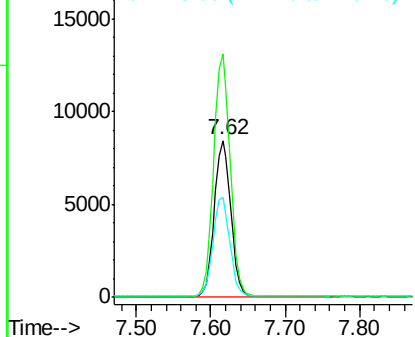
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.62 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BE090025.D
 Acq: 30 Jun 2015 23:56

Instrument :
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 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

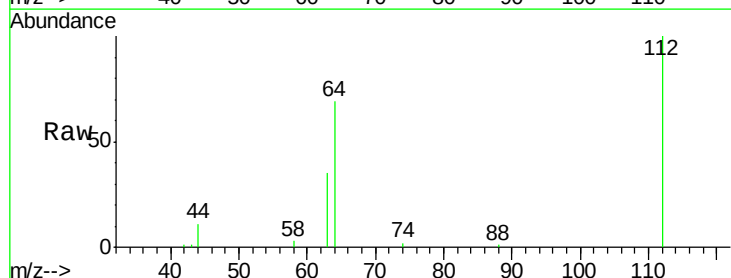


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

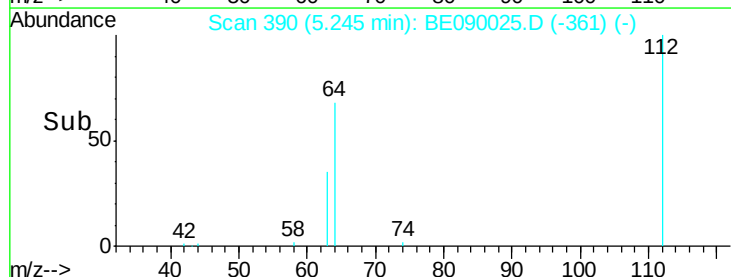
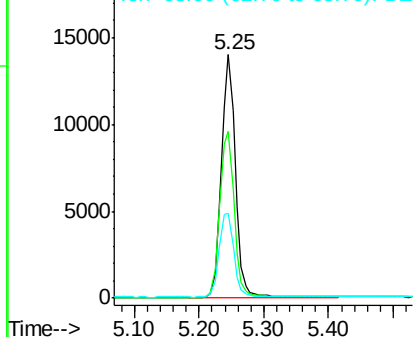


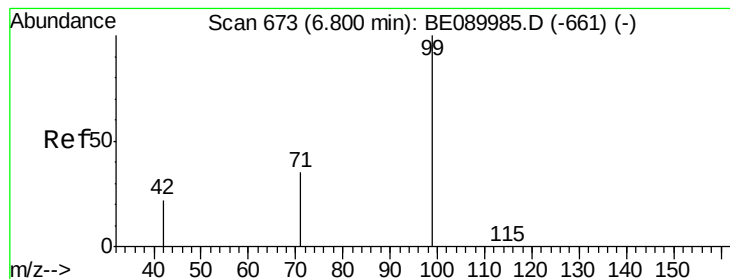
#4
 2-Fluorophenol
 Concen: 7.08 ng
 RT: 5.25 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: BE090025.D
 Acq: 30 Jun 2015 23:56

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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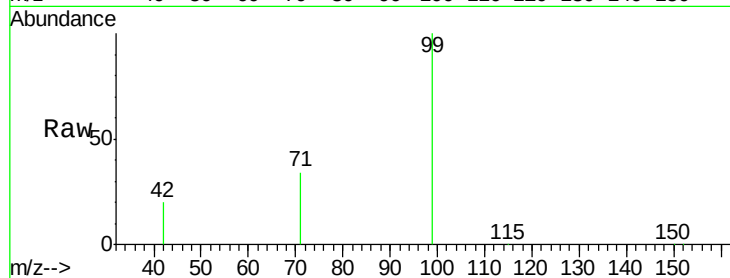
Tgt Ion: 99 Resp: 30487

Ion Ratio Lower Upper

99 100

42 20.2 18.7 28.1

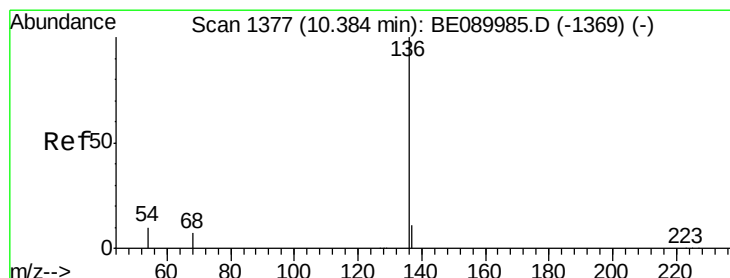
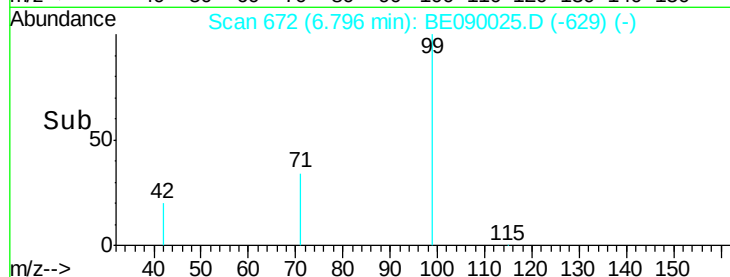
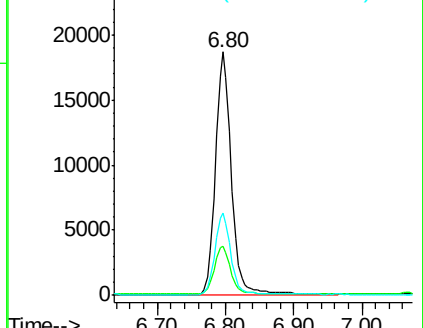
71 33.7 27.5 41.3



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

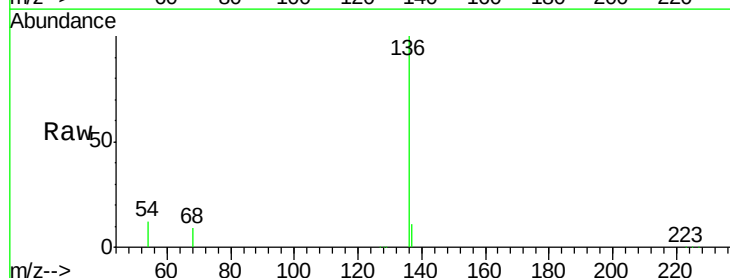
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 12.1 8.2 12.4

68 8.7 5.8 8.8

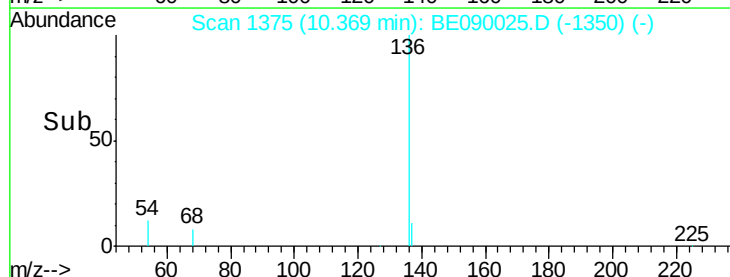
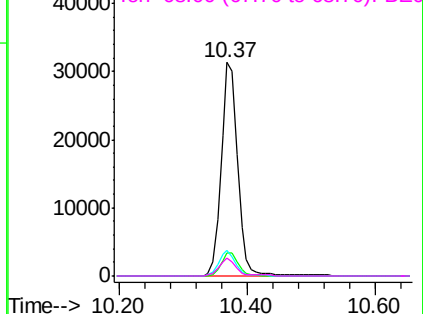


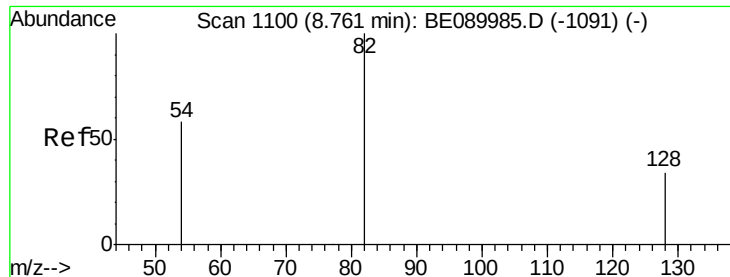
Abundance Ion 136.00 (135.70 to 136.70): E

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 :

BNA_E

ClientSampleId :

X1SS0520624-150625-D

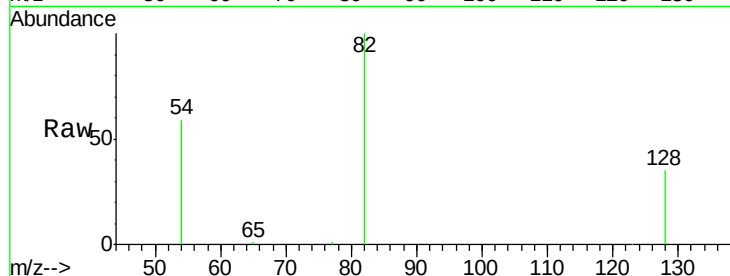
Tgt Ion: 82 Resp: 17996

Ion Ratio Lower Upper

82 100

128 34.7 28.0 42.0

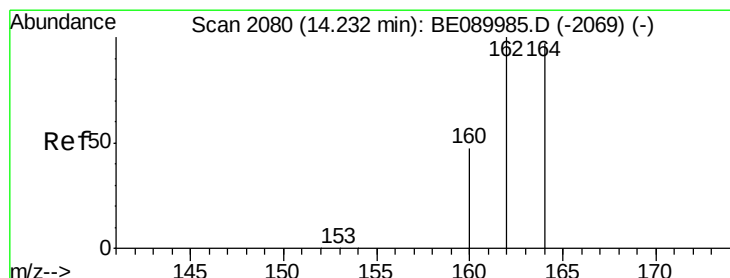
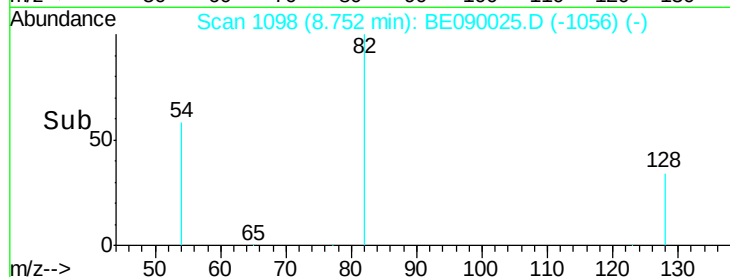
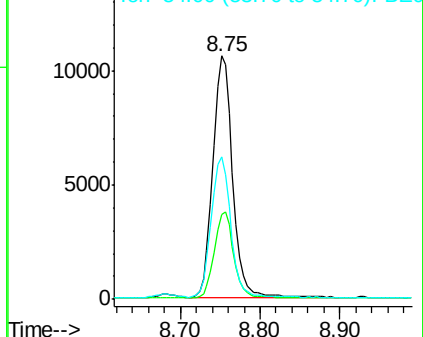
54 58.5 47.6 71.4



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

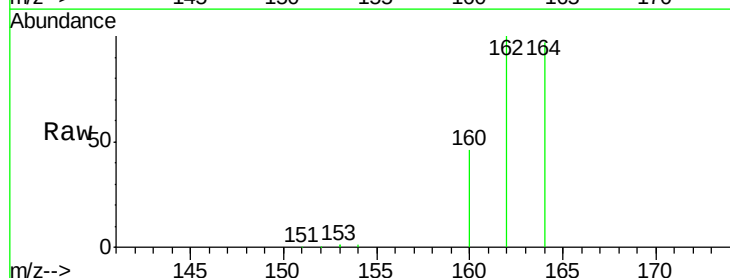
Tgt Ion: 164 Resp: 31502

Ion Ratio Lower Upper

164 100

162 103.5 82.2 123.4

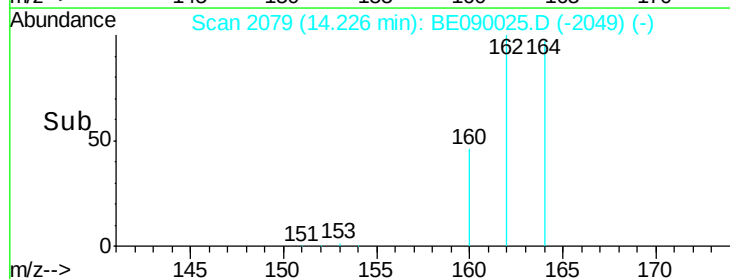
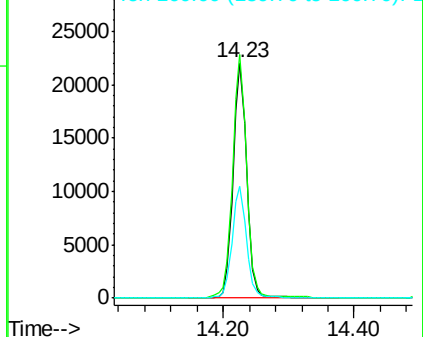
160 47.6 39.0 58.6

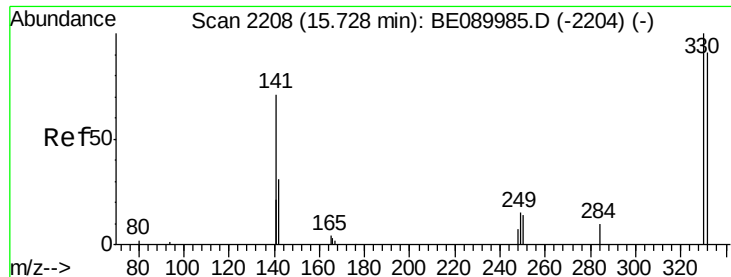


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

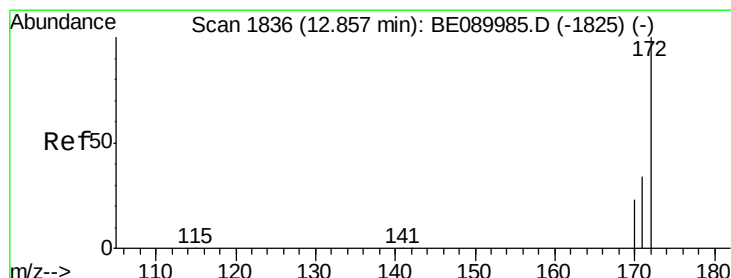
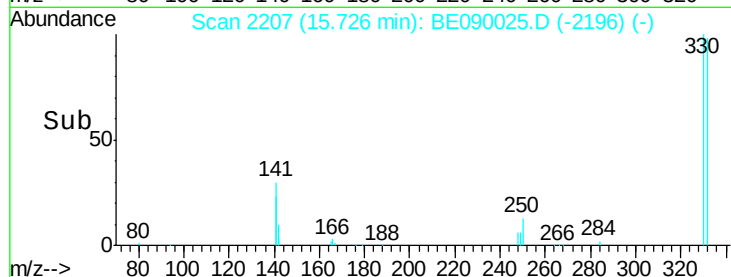
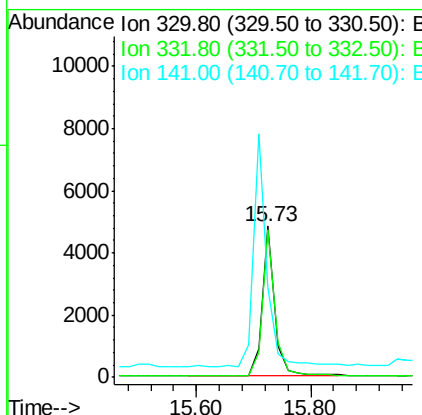
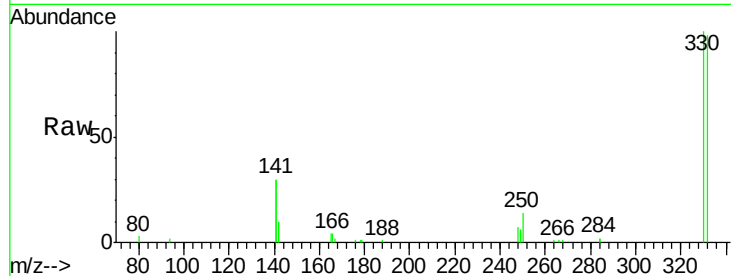




#13
 2,4,6-Tribromophenol
 Concen: 8.10 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090025.D
 Acq: 30 Jun 2015 23:56

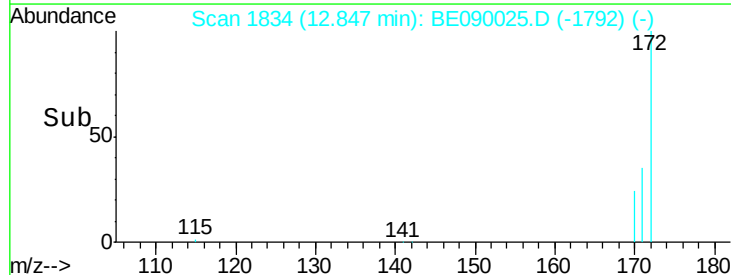
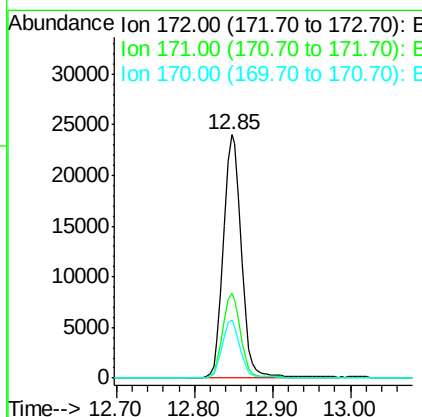
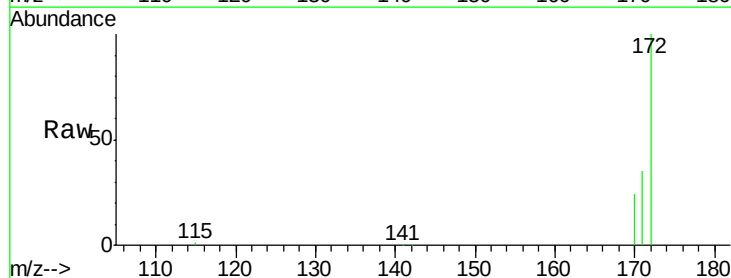
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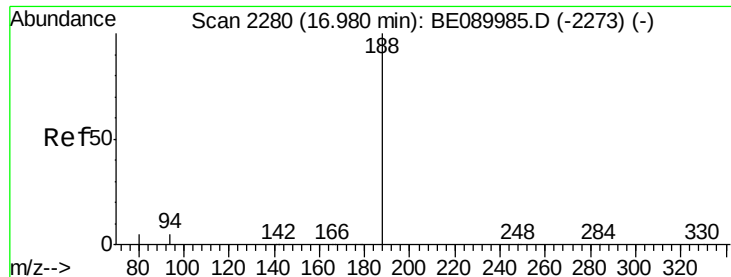
Tgt Ion:330 Resp: 7481
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.4 114.6
 141 166.8 130.3 195.5



#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

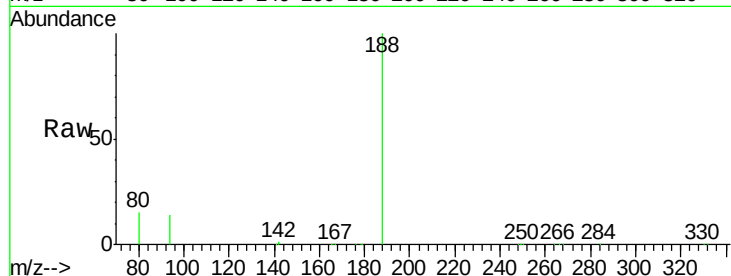




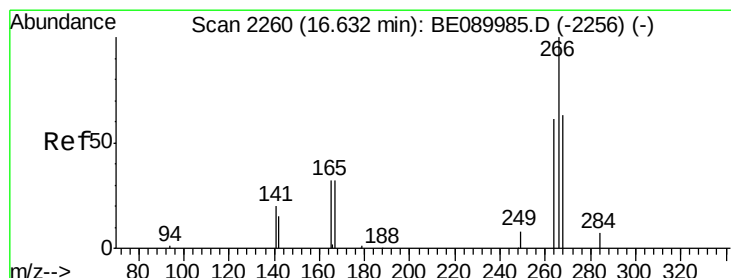
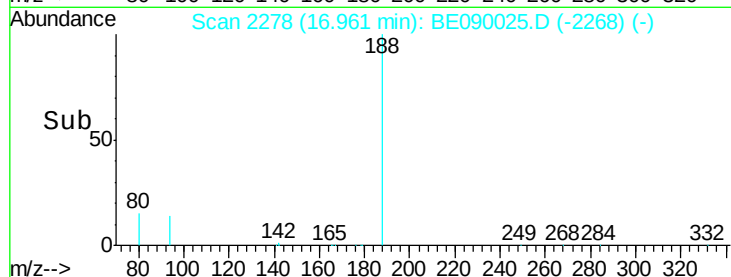
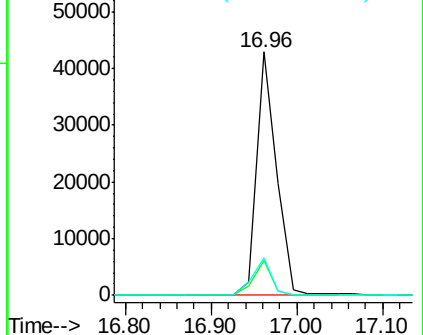
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090025.D
Acq: 30 Jun 2015 23:56

Instrument :
BNA_E
ClientSampleId :
X1SS0520624-150625-D

Tgt Ion:188 Resp: 69488
Ion Ratio Lower Upper
188 100
94 14.2 4.1 6.1#
80 15.5 4.2 6.2#

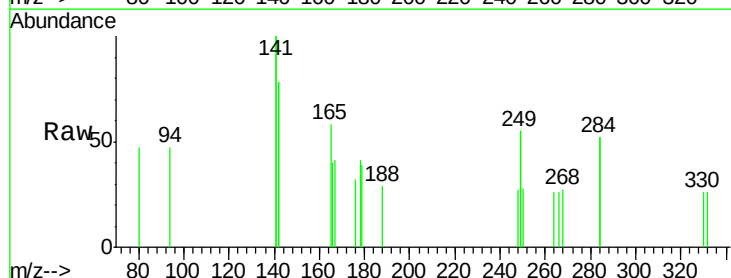


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

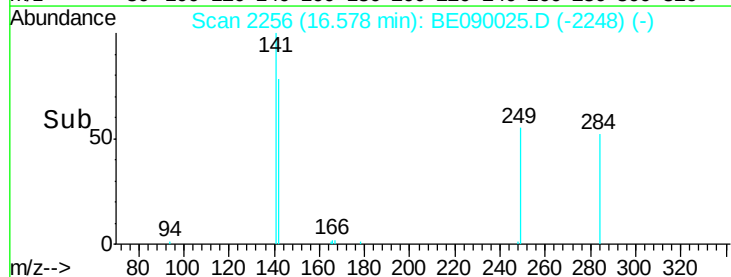
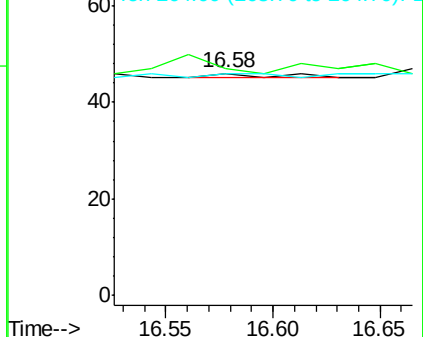


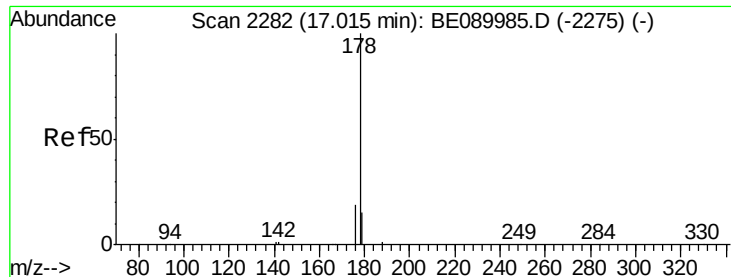
#21
Pentachlorophenol
Concen: 0.26 ng
RT: 16.58 min Scan# 2256
Delta R.T. -0.05 min
Lab File: BE090025.D
Acq: 30 Jun 2015 23:56

Tgt Ion:266 Resp: 2
Ion Ratio Lower Upper
266 100
268 102.2 51.8 77.8#
264 100.0 50.2 75.2#



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: 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

Instrument :

BNA_E

ClientSampleId :

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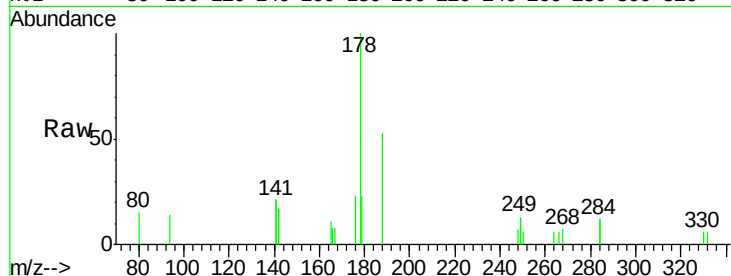
Tgt Ion:178 Resp: 1345

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

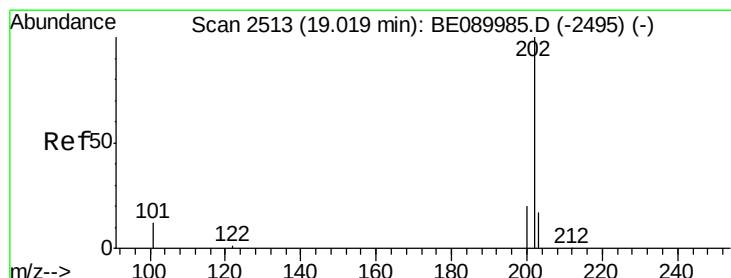
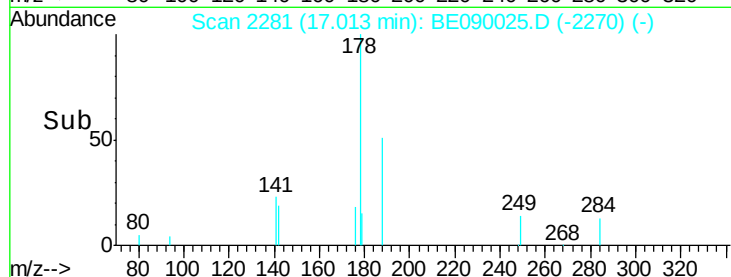
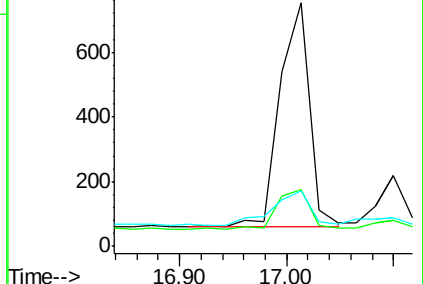
179 18.8 12.4 18.6#



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

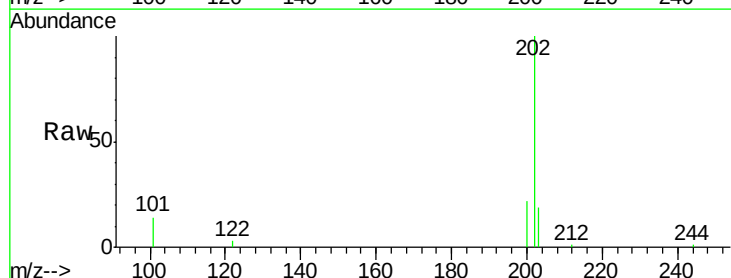
Tgt Ion:202 Resp: 4771

Ion Ratio Lower Upper

202 100

101 13.6 10.6 15.8

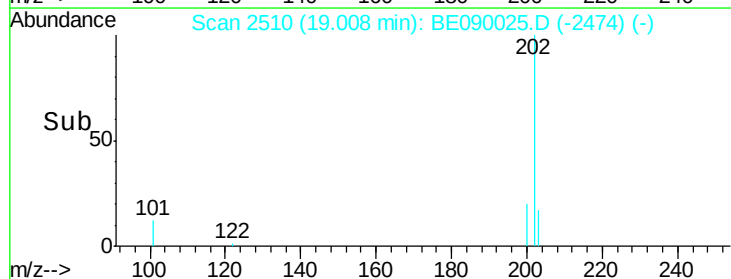
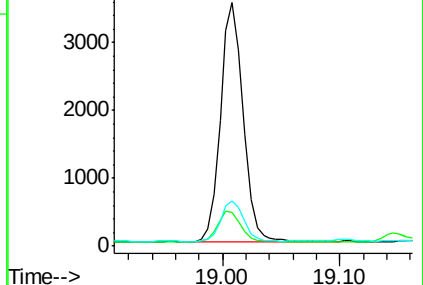
203 17.1 13.8 20.6

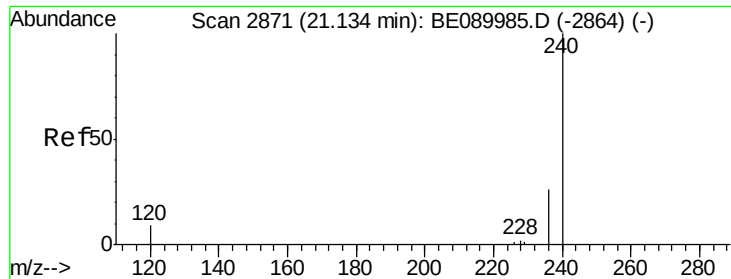


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

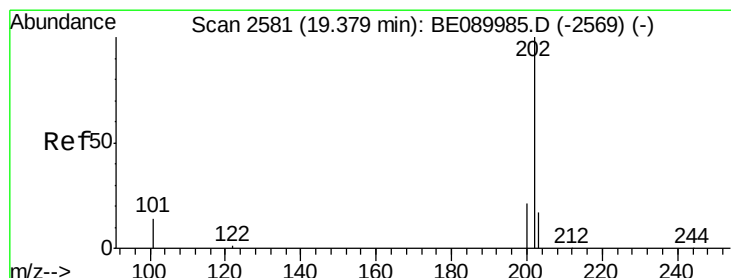
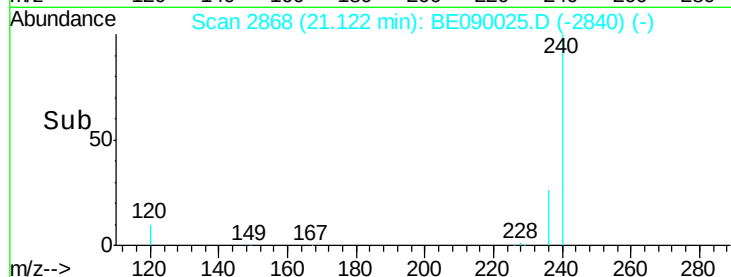
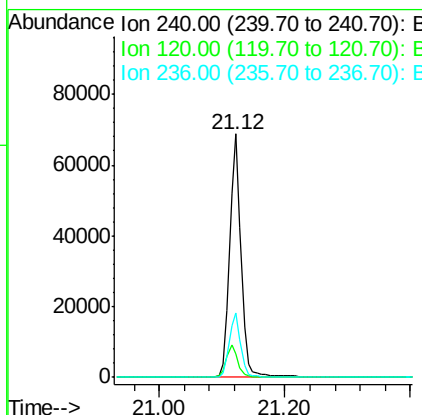
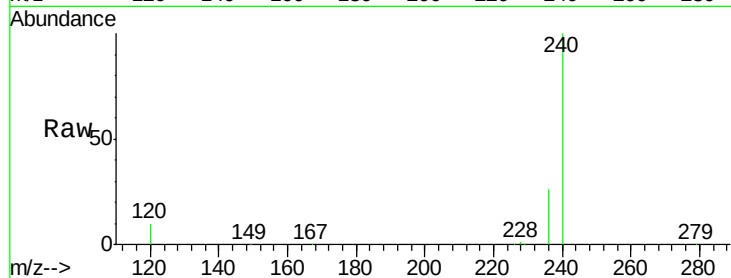




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 2868
Delta R.T. -0.01 min
Lab File: BE090025.D
Acq: 30 Jun 2015 23:56

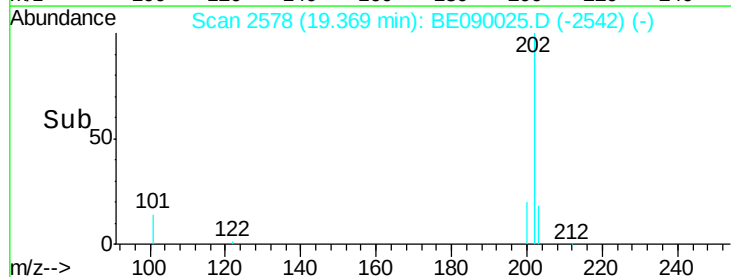
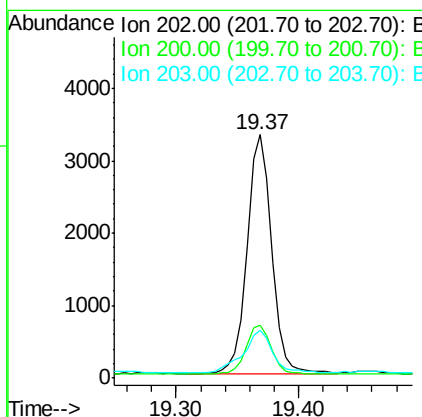
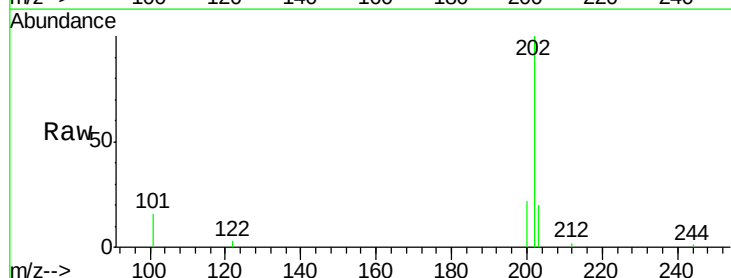
Instrument :
BNA_E
ClientSampleId :
X1SS0520624-150625-D

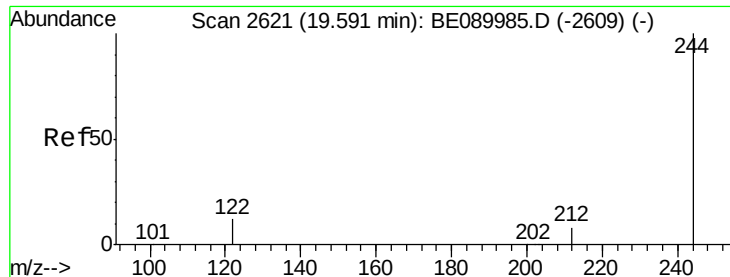
Tgt Ion:240 Resp: 85939
Ion Ratio Lower Upper
240 100
120 9.7 6.9 10.3
236 26.3 20.8 31.2



#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

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#

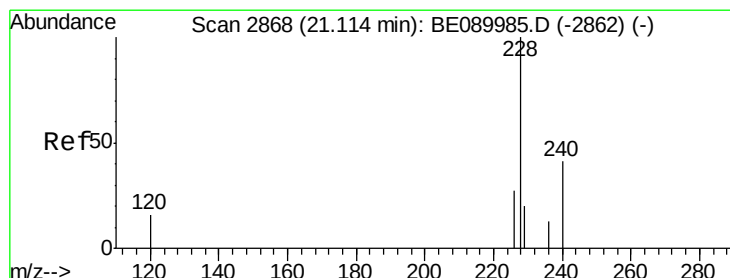
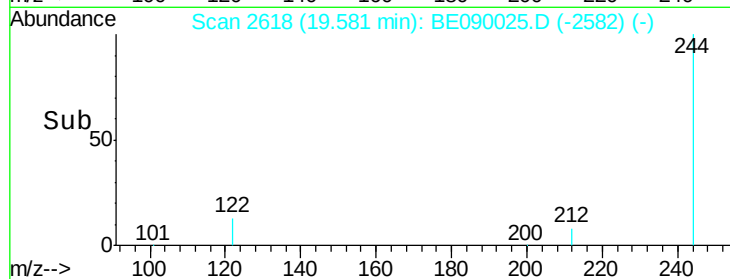
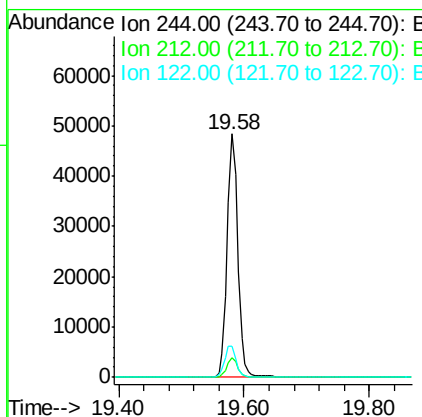
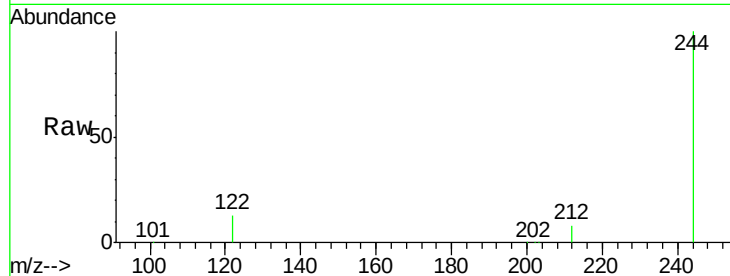




#27
 Terphenyl-d14
 Concen: 4.01 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090025.D
 Acq: 30 Jun 2015 23:56

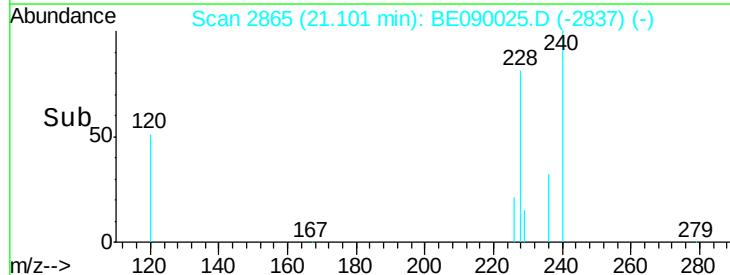
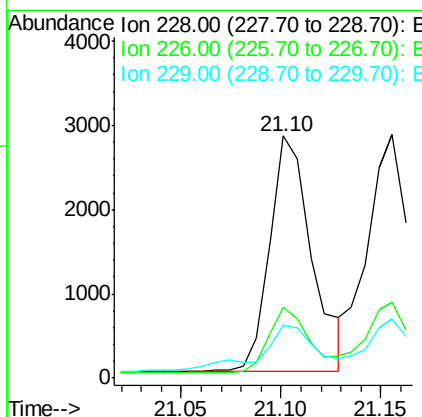
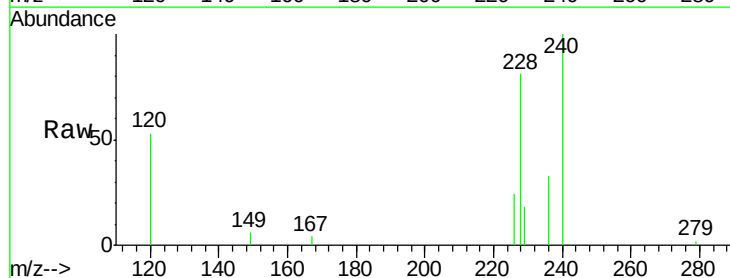
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520624-150625-D

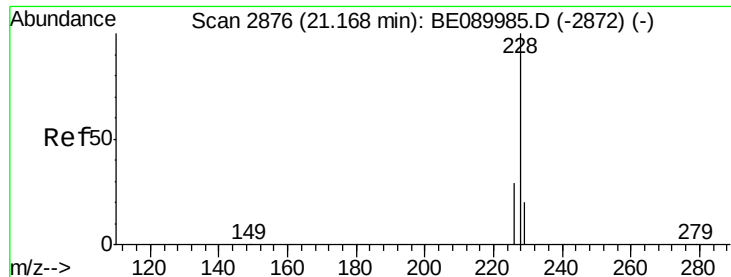
Tgt Ion: 244 Resp: 57435
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 12.9 9.8 14.8



#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

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

Instrument :

BNA_E

ClientSampleId :

X1SS0520624-150625-D

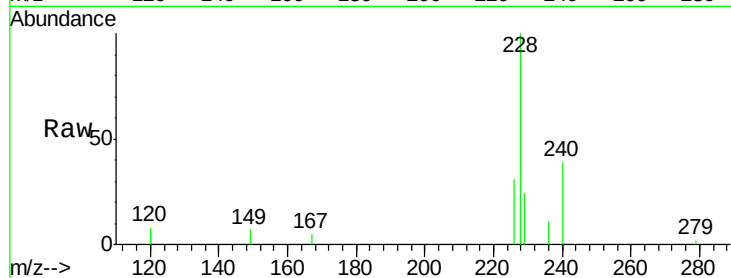
Tgt Ion: 228 Resp: 4139

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

229 24.2 16.2 24.2

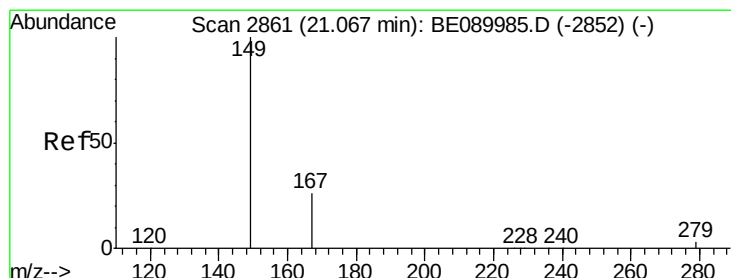
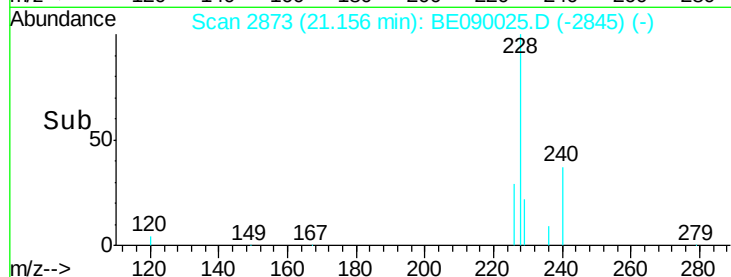
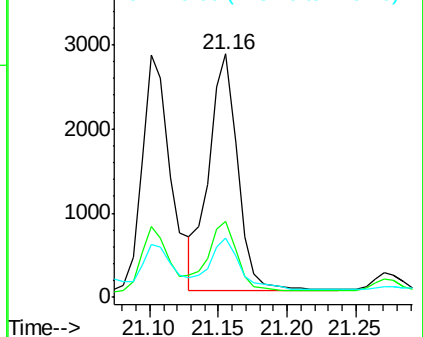


Abundance

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: 0.43 ng

RT: 21.05 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

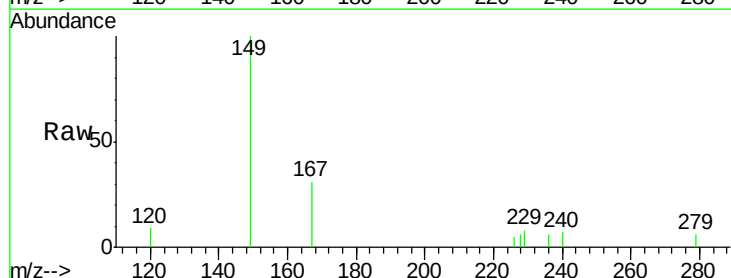
Tgt Ion: 149 Resp: 1262

Ion Ratio Lower Upper

149 100

167 27.4 20.3 30.5

279 3.8 2.6 3.8

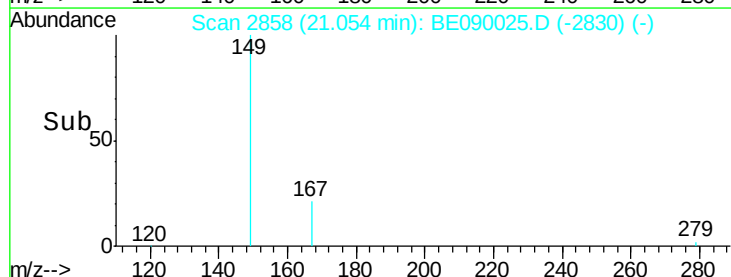
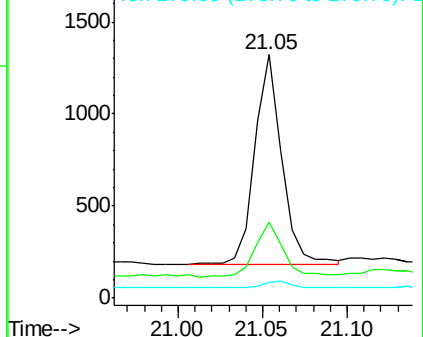


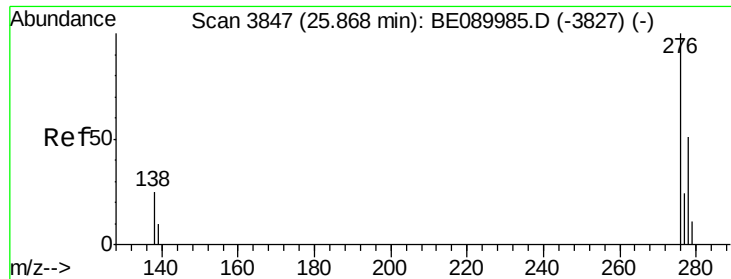
Abundance

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: 0.13 ng

RT: 25.84 min Scan# 3839

Delta R.T. -0.03 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

Instrument :

BNA_E

ClientSampleId :

X1SS0520624-150625-D

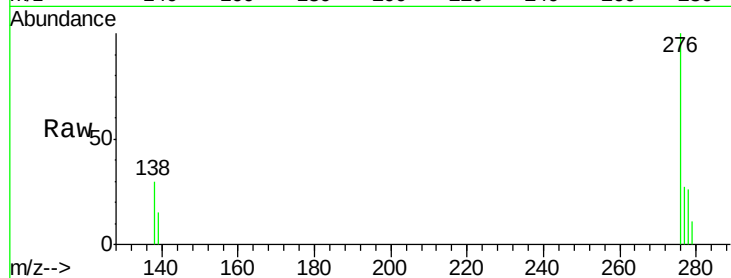
Tgt Ion:276 Resp: 2787

Ion Ratio Lower Upper

276 100

138 26.2 21.3 31.9

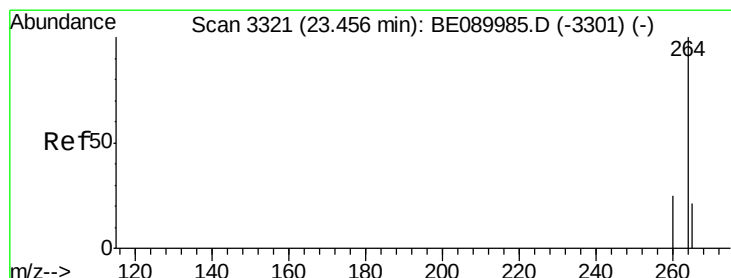
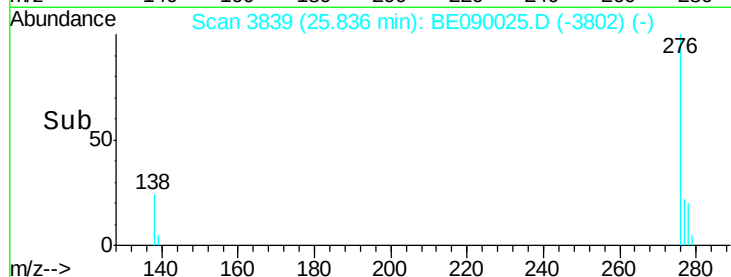
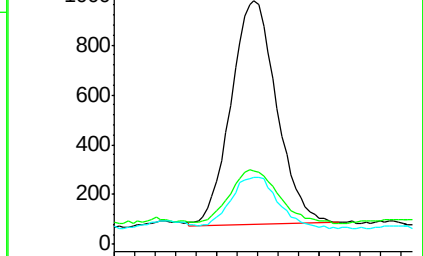
277 24.3 19.7 29.5



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: BE090025.D

Acq: 30 Jun 2015 23:56

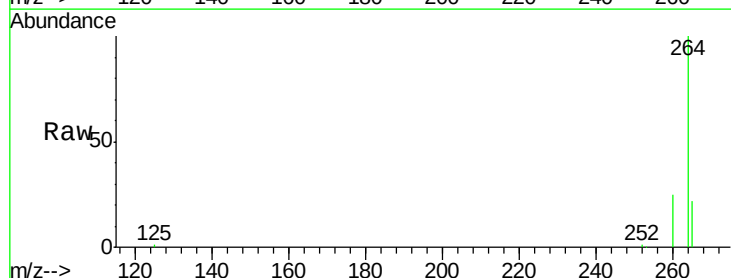
Tgt Ion:264 Resp: 83580

Ion Ratio Lower Upper

264 100

260 24.9 20.2 30.2

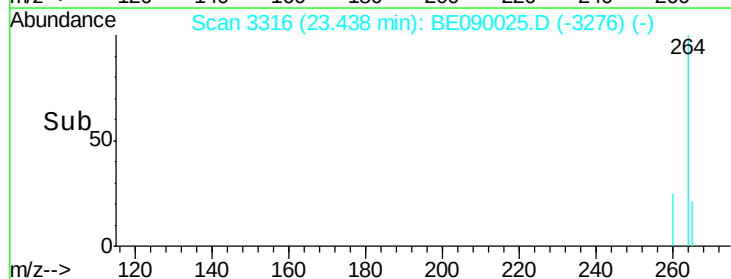
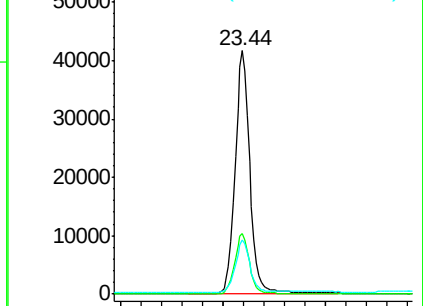
265 22.2 17.1 25.7

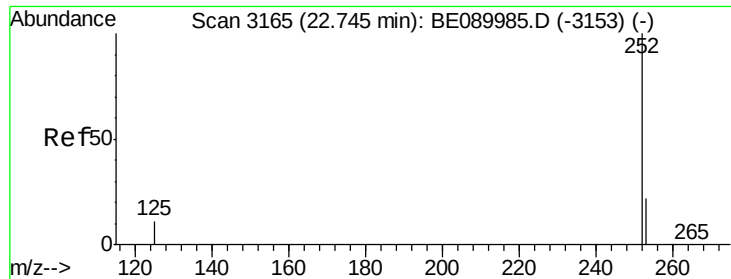


Abundance Ion 264.00 (263.70 to 264.70): E

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

Instrument :

BNA_E

ClientSampleId :

X1SS0520624-150625-D

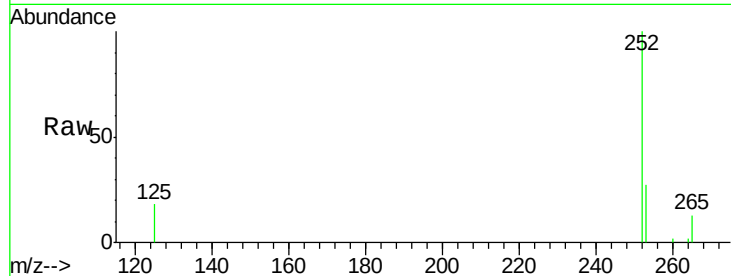
Tgt Ion:252 Resp: 5894

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.8

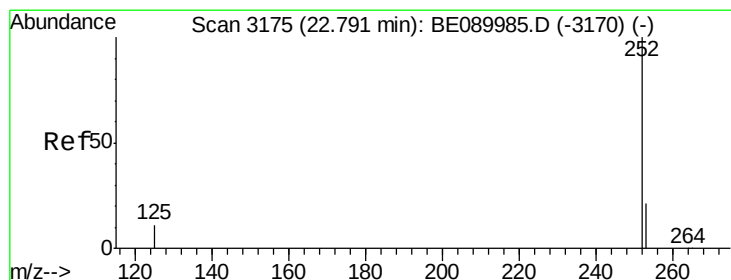
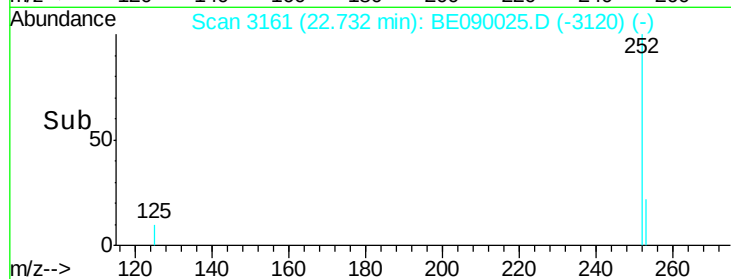
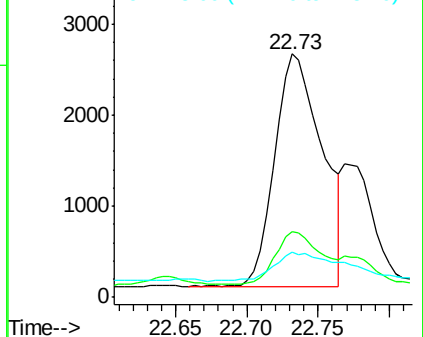
125 18.5 9.0 13.4#



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: 0.29 ng

RT: 22.73 min Scan# 3161

Delta R.T. -0.06 min

Lab File: BE090025.D

Acq: 30 Jun 2015 23:56

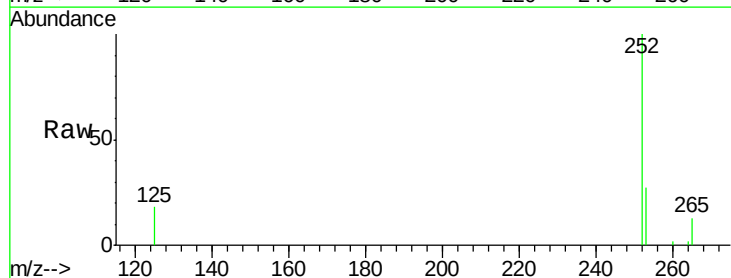
Tgt Ion:252 Resp: 5894

Ion Ratio Lower Upper

252 100

253 26.7 17.5 26.3#

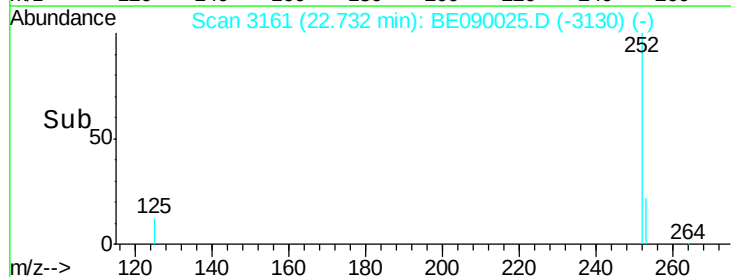
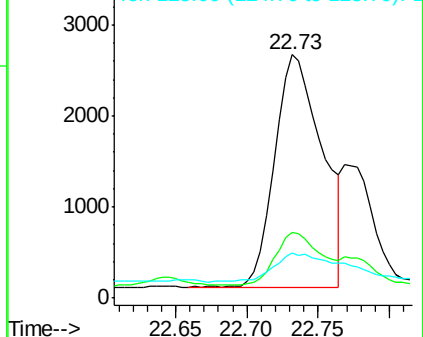
125 18.5 9.5 14.3#

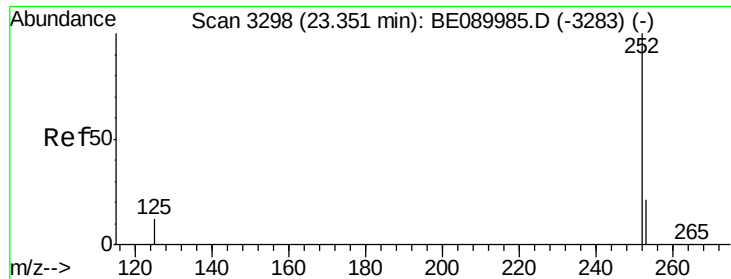


Abundance Ion 252.00 (251.70 to 252.70): E

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

Instrument :

BNA_E

ClientSampleId :

X1SS0520624-150625-D

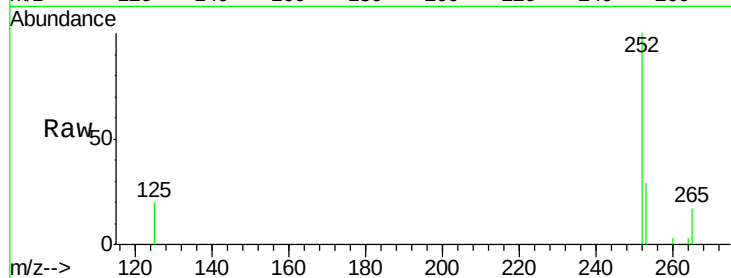
Tgt Ion: 252 Resp: 3972

Ion Ratio Lower Upper

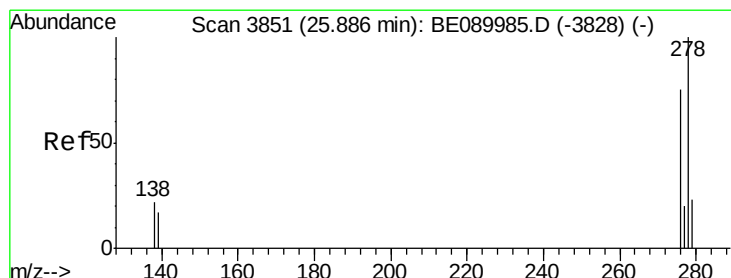
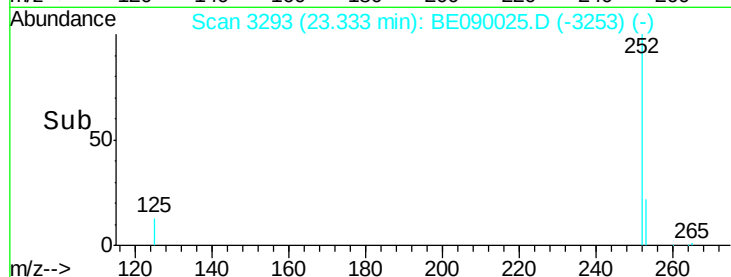
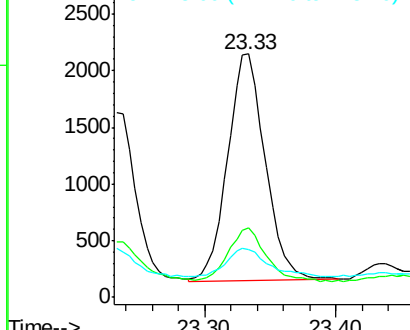
252 100

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

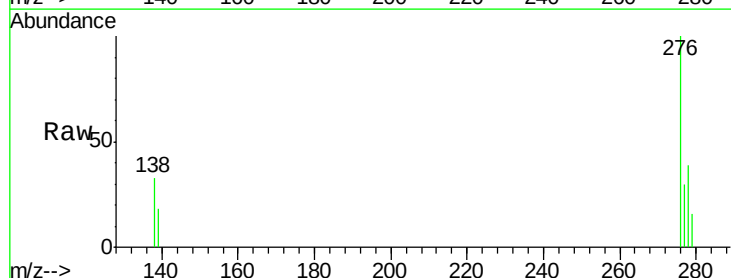
Tgt Ion: 278 Resp: 830

Ion Ratio Lower Upper

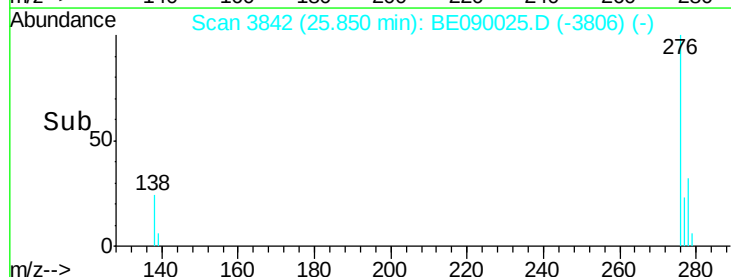
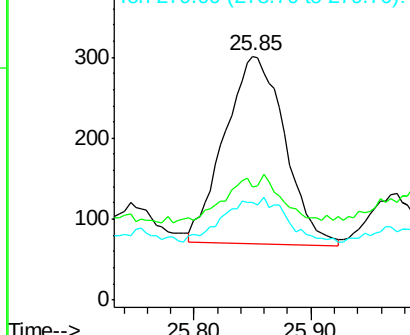
278 100

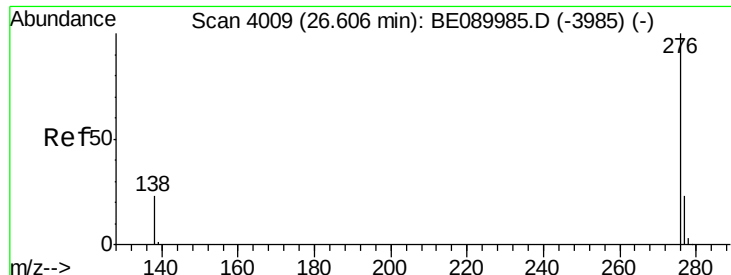
139 46.5 14.4 21.6#

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

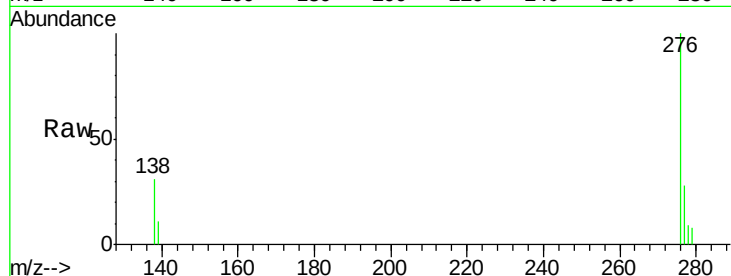
Acq: 30 Jun 2015 23:56

Instrument :

BNA_E

ClientSampleId :

X1SS0520624-150625-D



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

