

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089971.D
 Acq On : 27 Jun 2015 11:44
 Operator : TP/IZ
 Sample : G2782-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0630006-150624

Quant Time: Jun 29 00:54:57 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 25 16:51:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	26962	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	129590	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	76070	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	174920	5.00	ng	0.00
25) Chrysene-d12	21.13	240	194138	5.00	ng	0.00
32) Perylene-d12	23.46	264	178882	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.26	112	73652	15.13	ng	0.00
5) Phenol-d6	6.81	99	118837	15.93	ng	0.00
7) Nitrobenzene-d5	8.77	82	80928	8.39	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	19851	14.53	ng	0.00
14) 2-Fluorobiphenyl	12.87	172	181637	8.19	ng	0.00
27) Terphenyl-d14	19.60	244	257530	7.68	ng	0.00

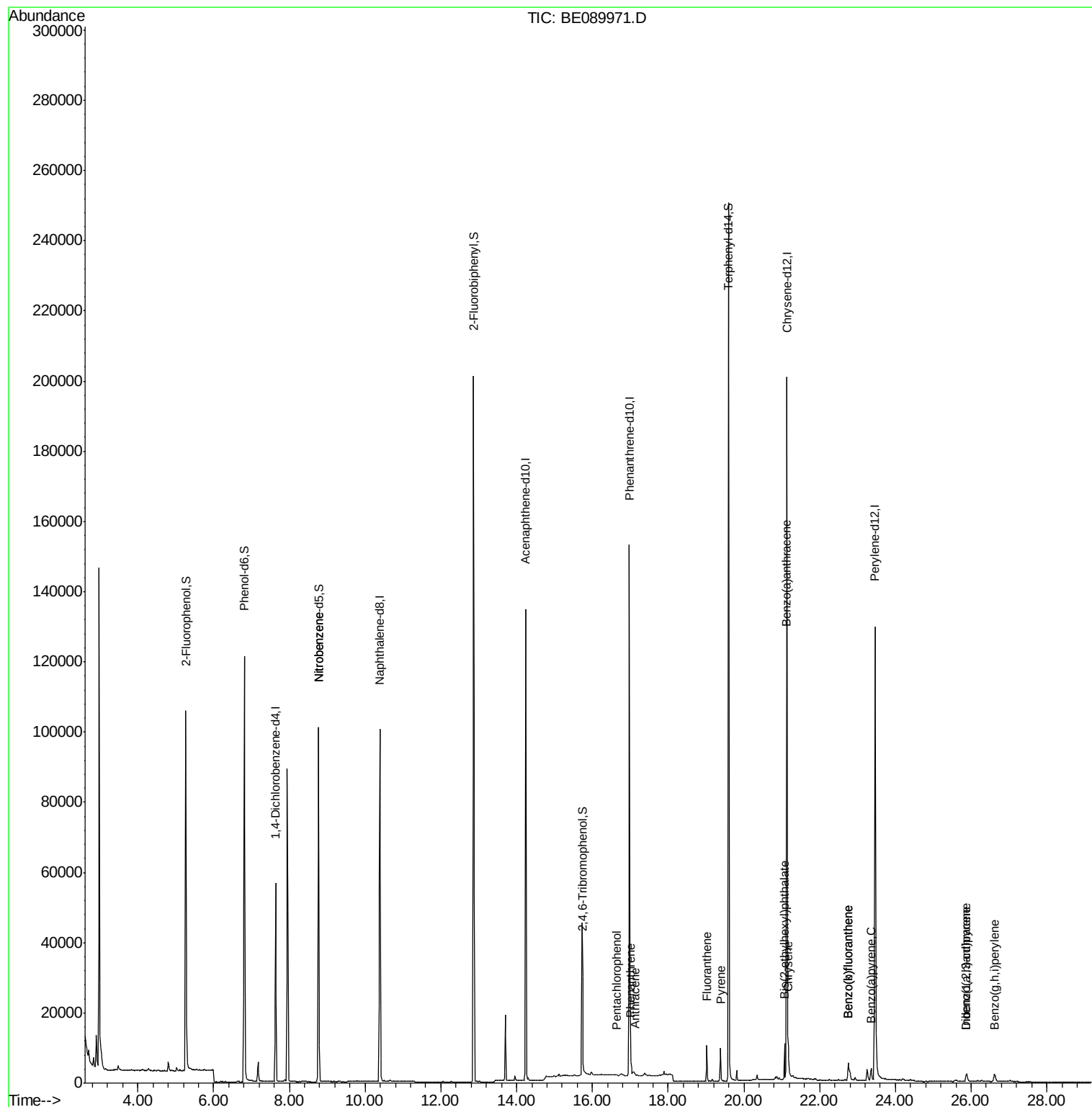
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	15	Below Cal	#	15
8) Nitrobenzene	8.77	77	277	0.03	ng	# 33
21) Pentachlorophenol	16.63	266	118	0.50	ng	# 74
22) Phenanthrene	17.01	178	3786	0.09	ng	# 95
23) Anthracene	17.12	178	927	0.02	ng	97
24) Fluoranthene	19.02	202	9100	0.19	ng	99
26) Pyrene	19.39	202	8707	0.18	ng	96
28) Benzo(a)anthracene	21.12	228	5834	0.13	ng	# 93
29) Chrysene	21.17	228	6623	0.13	ng	94
30) Bis(2-ethylhexyl)phthalate	21.07	149	8963	2.27	ng	99
31) Indeno(1,2,3-cd)pyrene	25.88	276	4226	0.11	ng	# 100
33) Benzo(b)fluoranthene	22.76	252	8292	0.22	ng	# 88
34) Benzo(k)fluoranthene	22.76	252	8290	0.19	ng	# 90
35) Benzo(a)pyrene	23.36	252	5035	0.15	ng	# 89
36) Dibenzo(a,h)anthracene	25.89	278	979	0.03	ng	# 55
37) Benzo(g,h,i)perylene	26.62	276	5017	0.15	ng	# 92

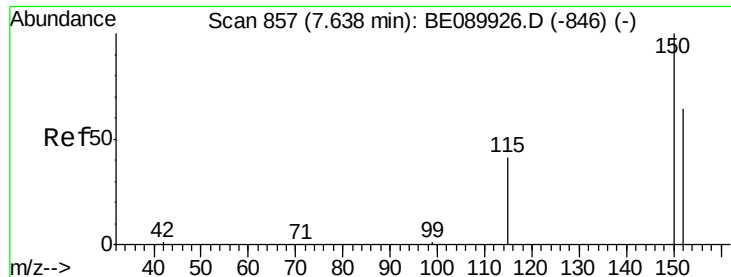
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 856

Delta R.T. -0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Instrument :

BNA_E

ClientSampleId :

X1SS0630006-150624

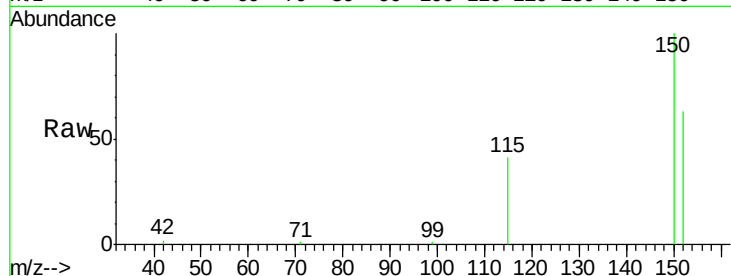
Tgt Ion:152 Resp: 26962

Ion Ratio Lower Upper

152 100

150 158.2 124.6 186.8

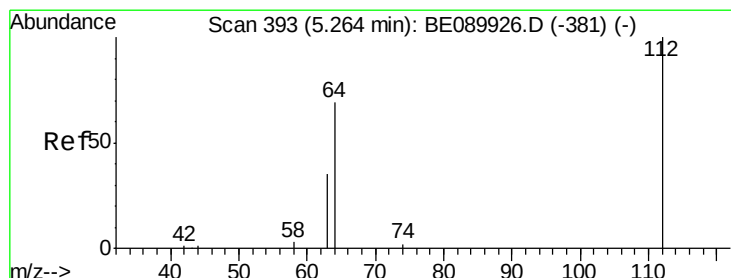
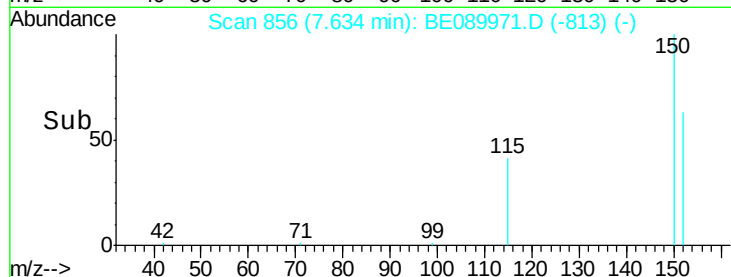
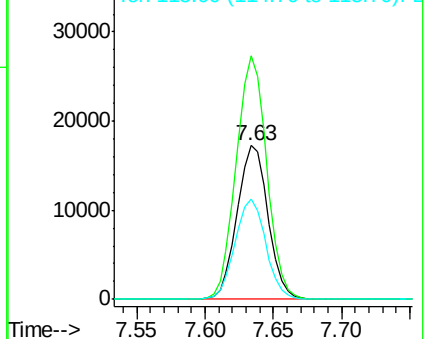
115 65.2 51.6 77.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 15.13 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

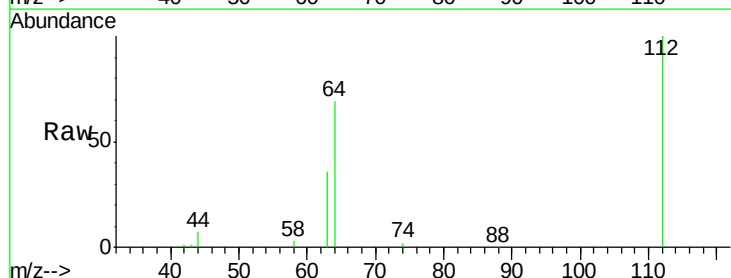
Tgt Ion:112 Resp: 73652

Ion Ratio Lower Upper

112 100

64 72.3 57.4 86.2

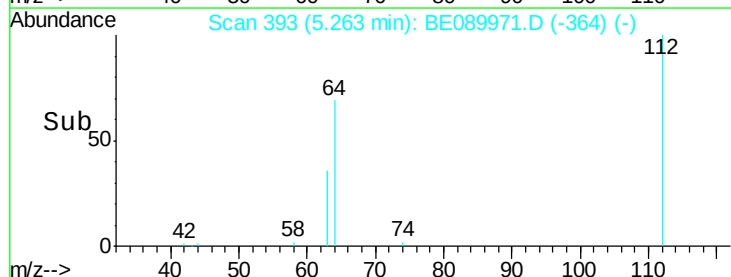
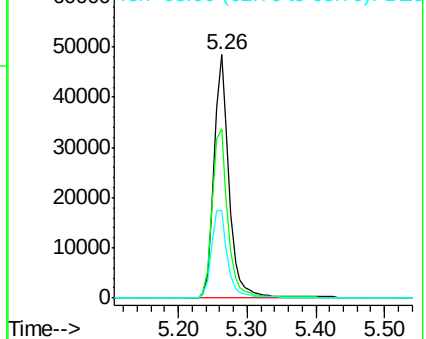
63 38.5 31.2 46.8

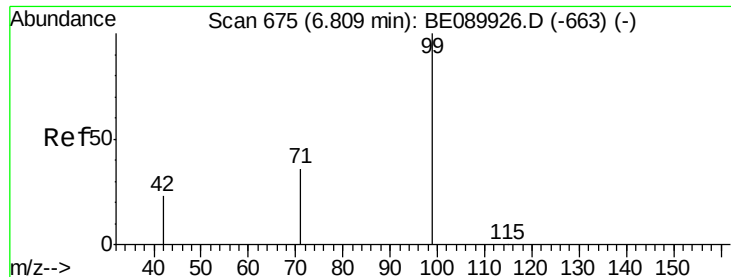


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 15.93 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Instrument :

BNA_E

ClientSampleId :

X1SS0630006-150624

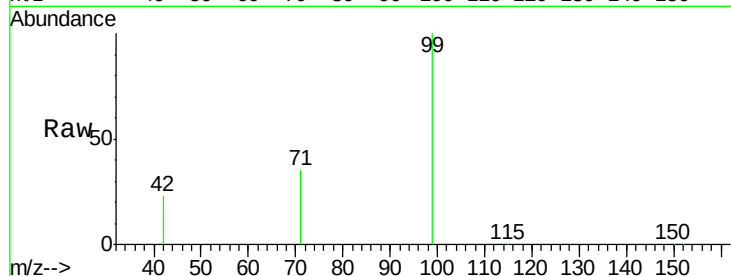
Tgt Ion: 99 Resp: 118837

Ion Ratio Lower Upper

99 100

42 22.6 19.5 29.3

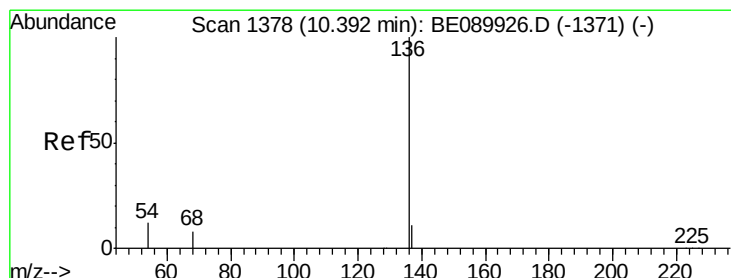
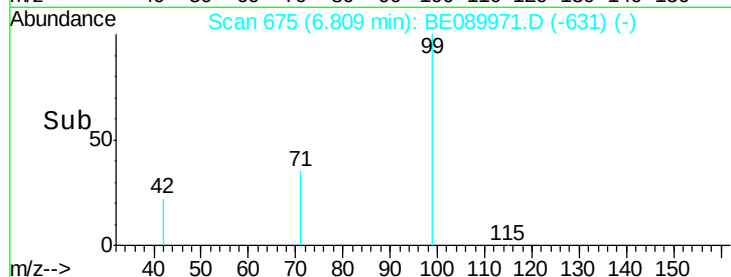
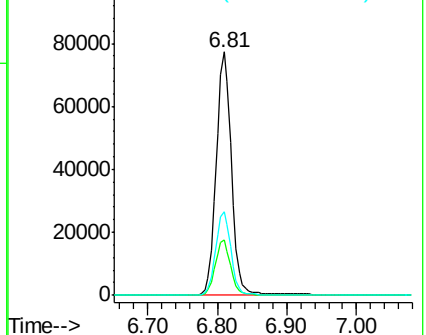
71 34.7 27.8 41.6



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: 10.39 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Tgt Ion: 136 Resp: 129590

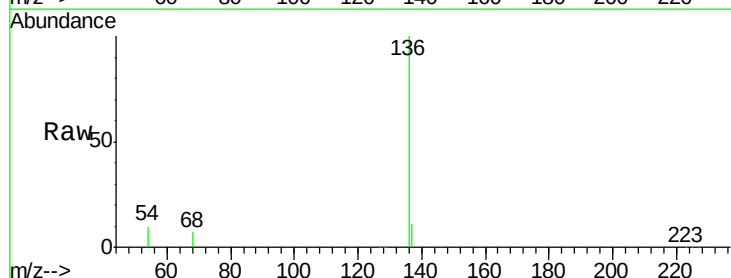
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.3 9.7 14.5

68 7.1 6.5 9.7

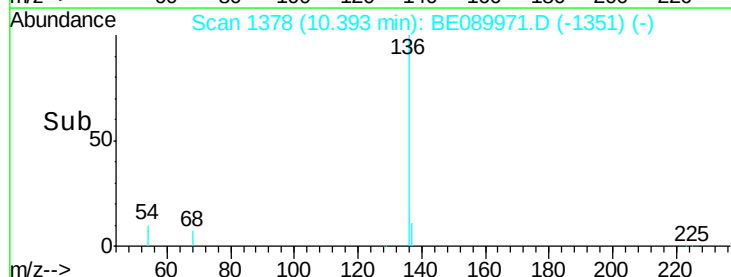
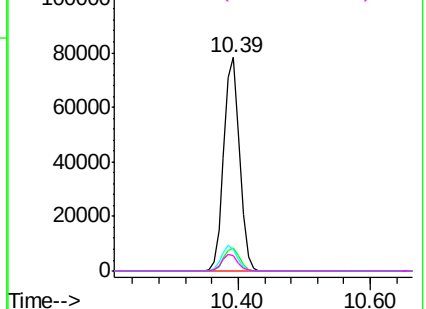


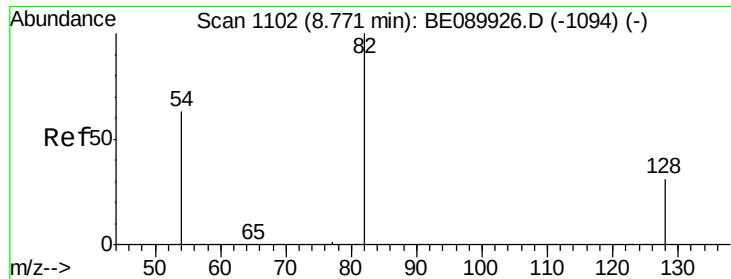
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.39 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Instrument :

BNA_E

ClientSampleId :

X1SS0630006-150624

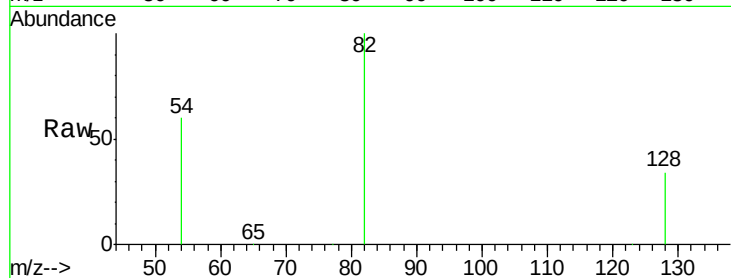
Tgt Ion: 82 Resp: 80928

Ion Ratio Lower Upper

82 100

128 33.9 25.6 38.4

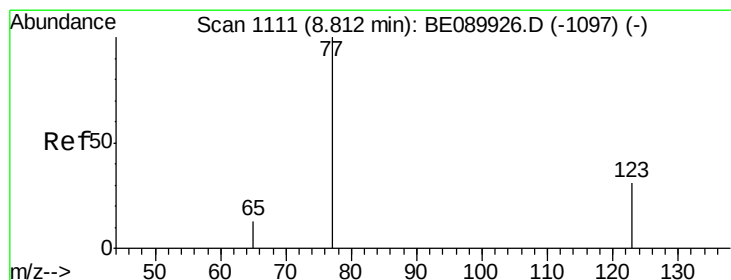
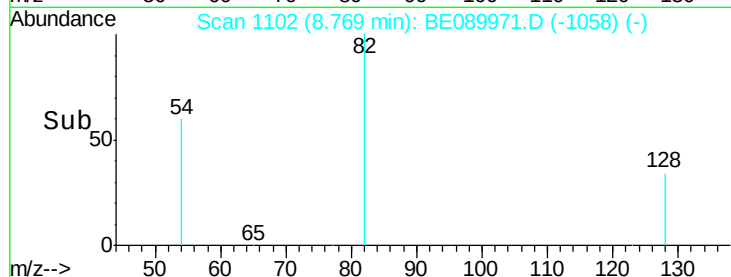
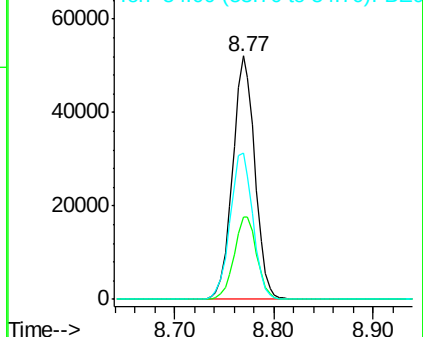
54 60.0 51.2 76.8



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



#8

Nitrobenzene

Concen: 0.03 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.04 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

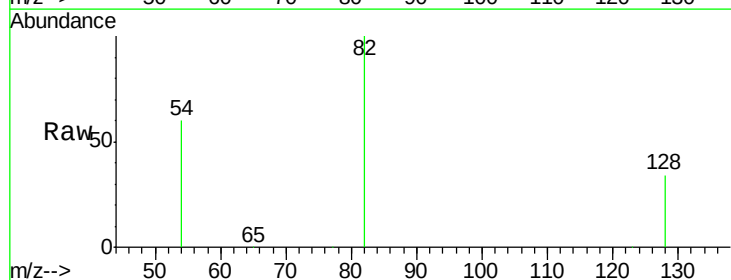
Tgt Ion: 77 Resp: 277

Ion Ratio Lower Upper

77 100

123 0.7 26.6 39.8#

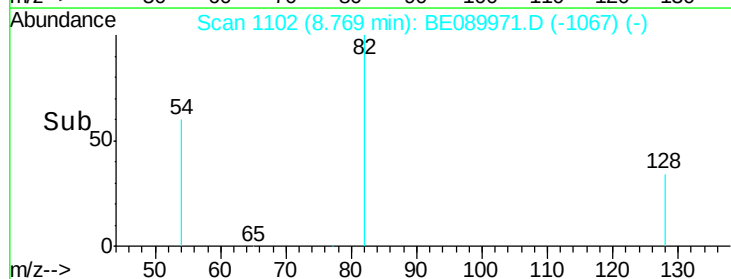
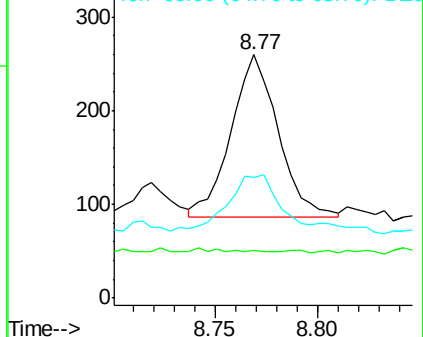
65 48.7 10.2 15.4#

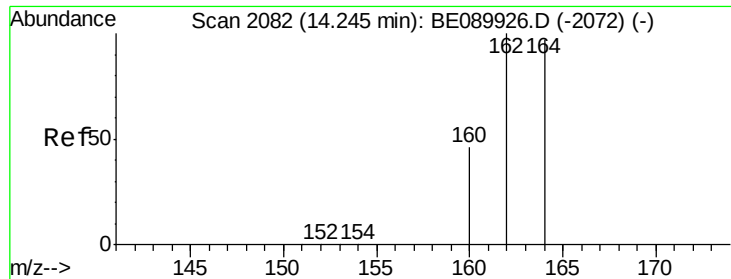


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Instrument :

BNA_E

ClientSampleId :

X1SS0630006-150624

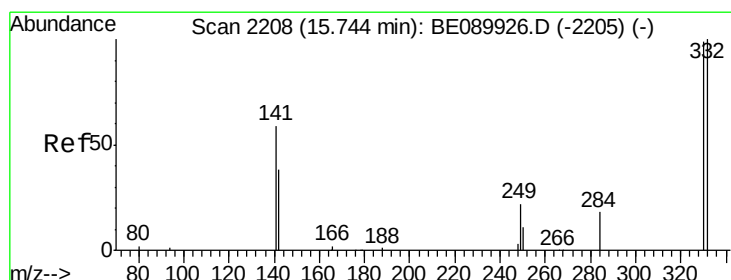
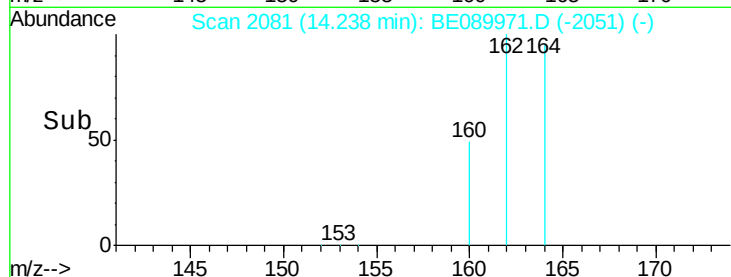
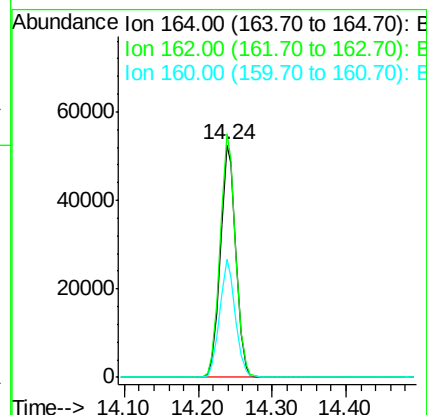
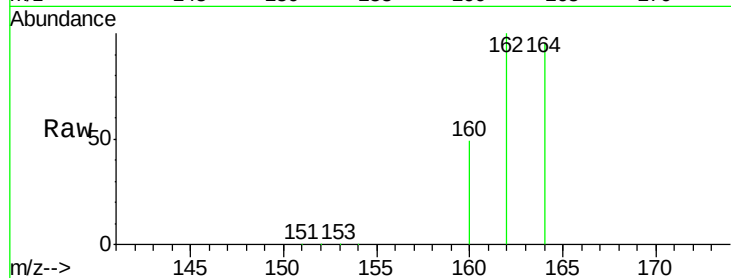
Tgt Ion:164 Resp: 76070

Ion Ratio Lower Upper

164 100

162 104.9 82.7 124.1

160 51.1 38.3 57.5



#13

2,4,6-Tribromophenol

Concen: 14.53 ng

RT: 15.74 min Scan# 2209

Delta R.T. 0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

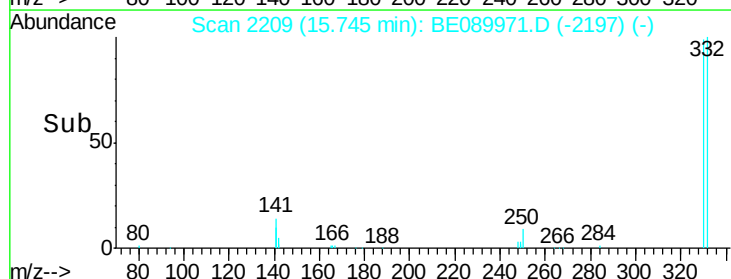
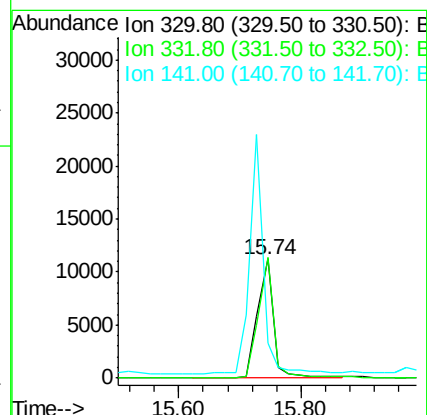
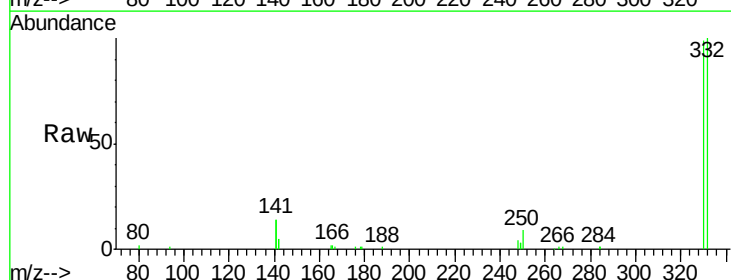
Tgt Ion:330 Resp: 19851

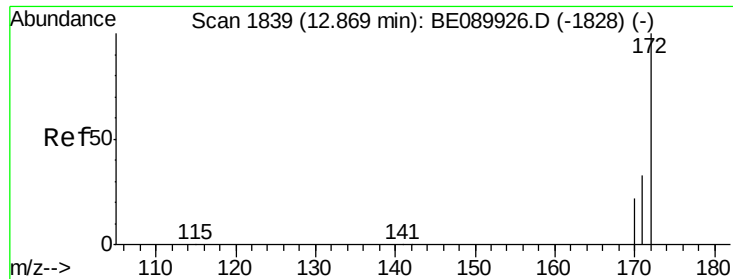
Ion Ratio Lower Upper

330 100

332 96.8 77.9 116.9

141 176.5 142.8 214.2

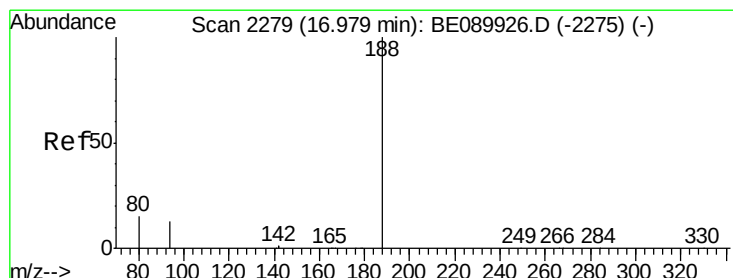
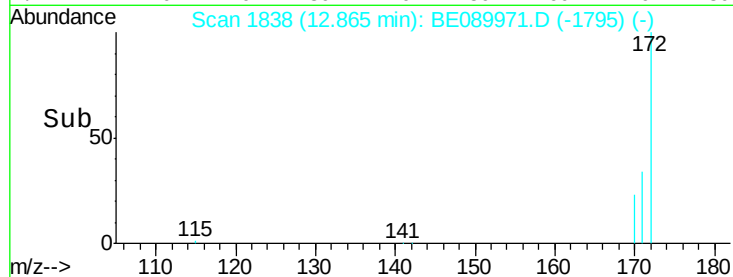
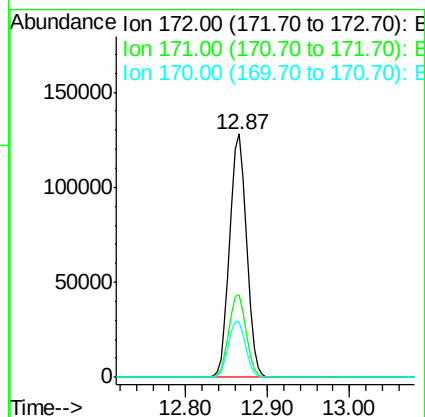
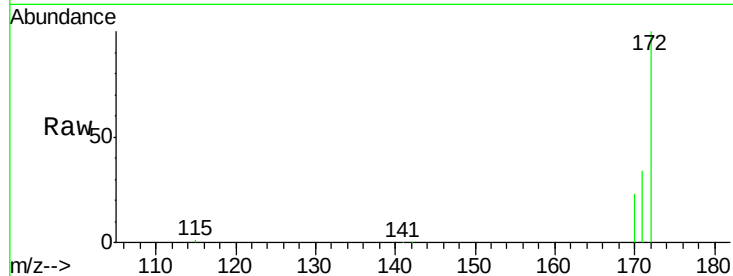




#14
2-Fluorobiphenyl
Concen: 8.19 ng
RT: 12.87 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BE089971.D
Acq: 27 Jun 2015 11:44

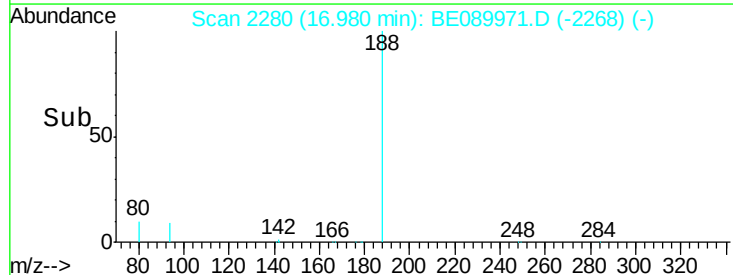
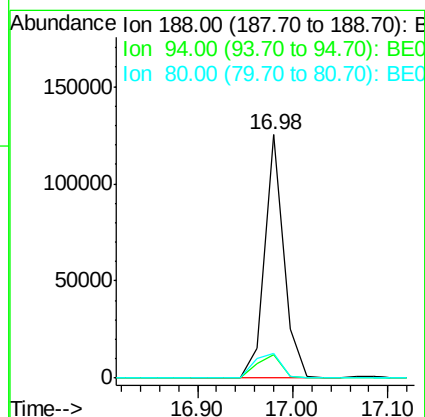
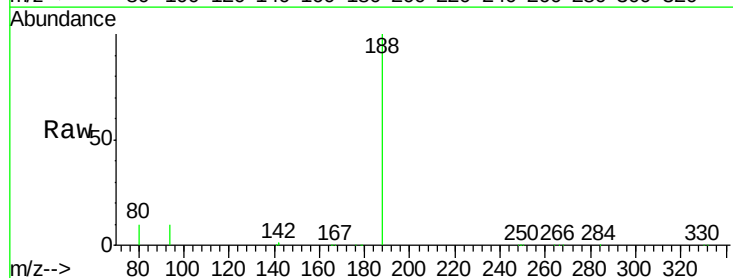
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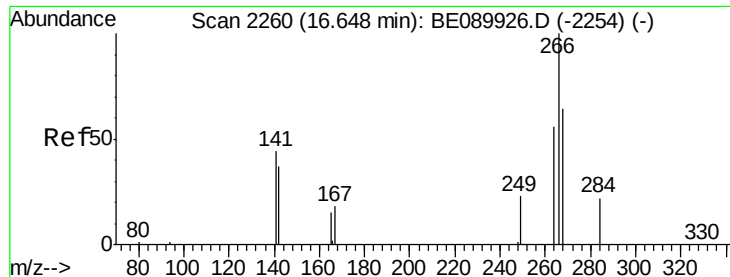
Tgt Ion:172 Resp: 181637
Ion Ratio Lower Upper
172 100
171 34.0 26.7 40.1
170 22.6 17.5 26.3



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BE089971.D
Acq: 27 Jun 2015 11:44

Tgt Ion:188 Resp: 174920
Ion Ratio Lower Upper
188 100
94 9.5 10.6 16.0#
80 10.2 11.8 17.6#

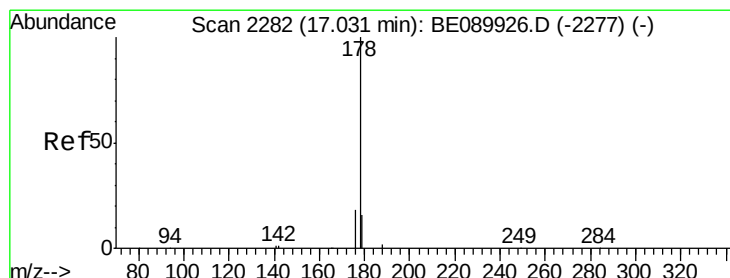
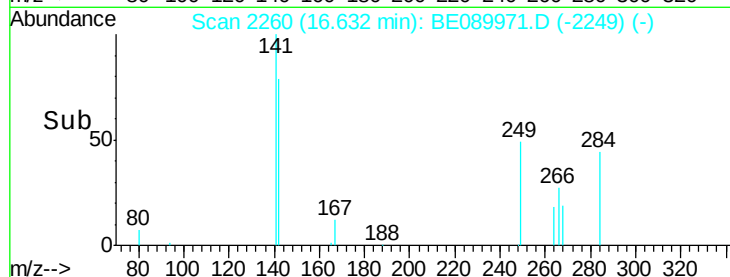
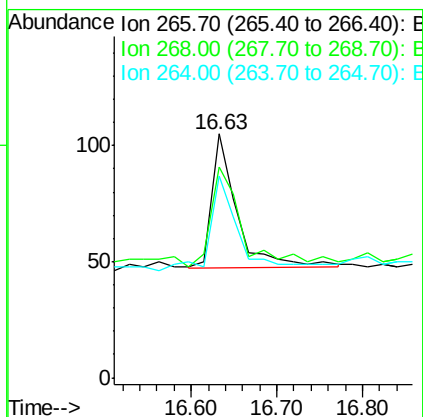
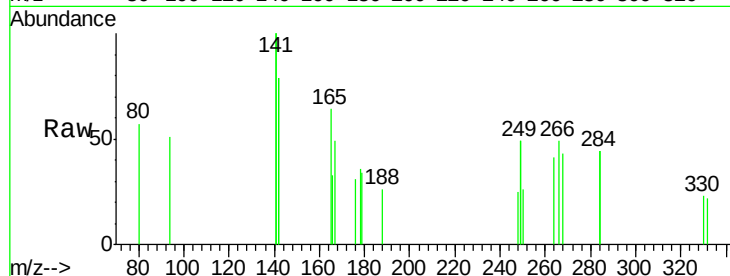




#21
 Pentachlorophenol
 Concen: 0.50 ng
 RT: 16.63 min Scan# 2260
 Delta R.T. -0.02 min
 Lab File: BE089971.D
 Acq: 27 Jun 2015 11:44

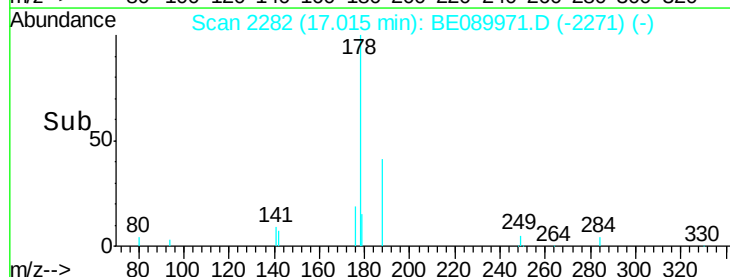
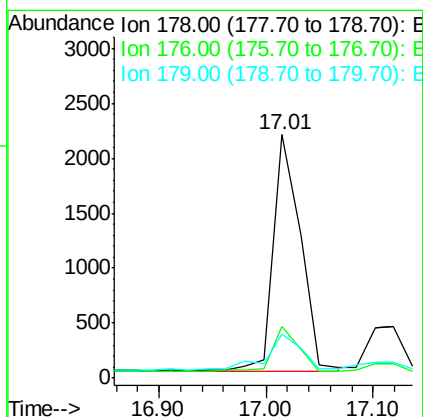
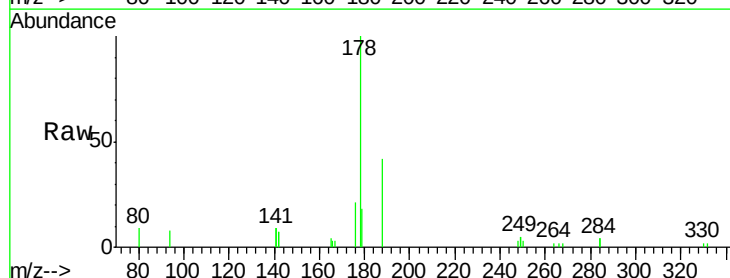
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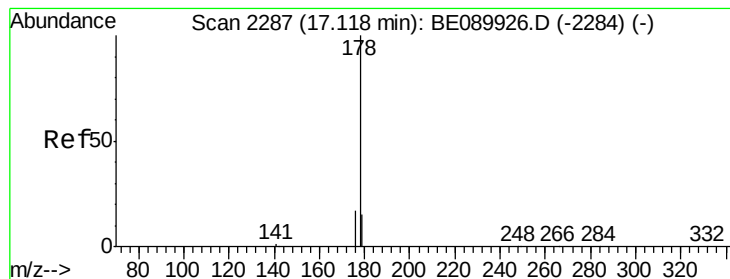
Tgt Ion: 266 Resp: 118
 Ion Ratio Lower Upper
 266 100
 268 86.7 54.4 81.6#
 264 82.9 48.2 72.2#



#22
 Phenanthrene
 Concen: 0.09 ng
 RT: 17.01 min Scan# 2282
 Delta R.T. -0.02 min
 Lab File: BE089971.D
 Acq: 27 Jun 2015 11:44

Tgt Ion: 178 Resp: 3786
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 19.5 12.6 19.0#





#23

Anthracene

Concen: 0.02 ng

RT: 17.12 min Scan# 2288

Delta R.T. 0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Instrument :

BNA_E

ClientSampleId :

X1SS0630006-150624

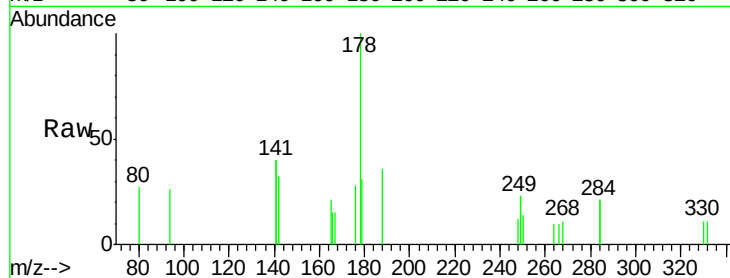
Tgt Ion:178 Resp: 927

Ion Ratio Lower Upper

178 100

176 16.9 14.6 21.8

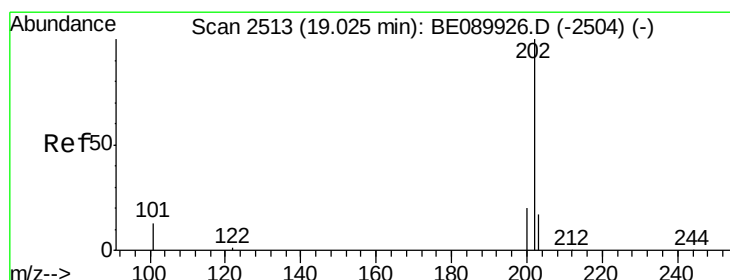
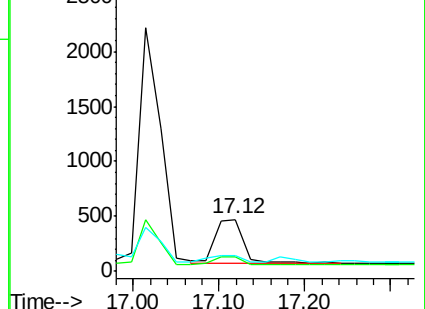
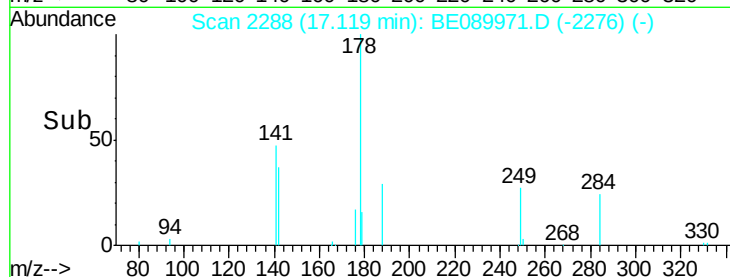
179 16.8 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 0.19 ng

RT: 19.02 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

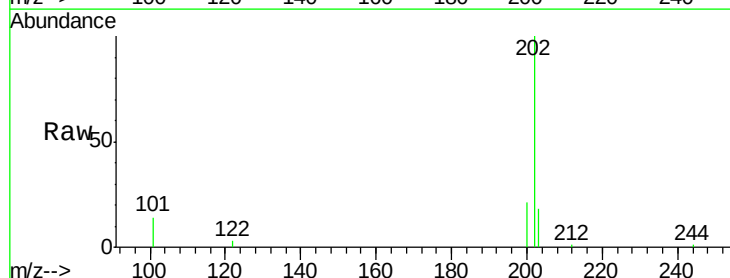
Tgt Ion:202 Resp: 9100

Ion Ratio Lower Upper

202 100

101 14.0 10.6 16.0

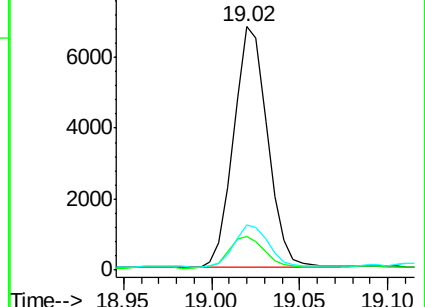
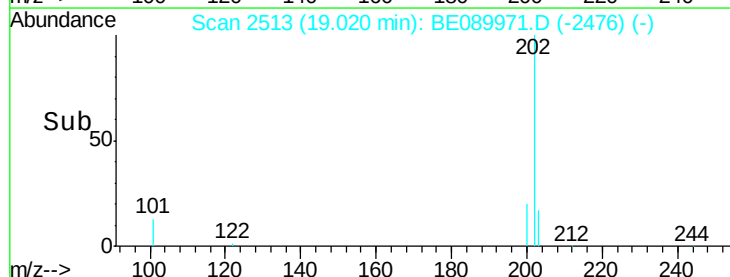
203 17.5 13.8 20.8

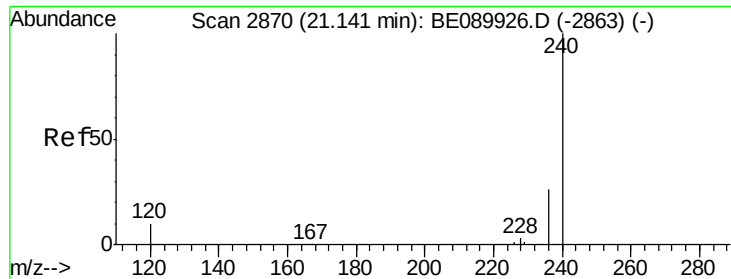


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.13 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Instrument :

BNA_E

ClientSampleId :

X1SS0630006-150624

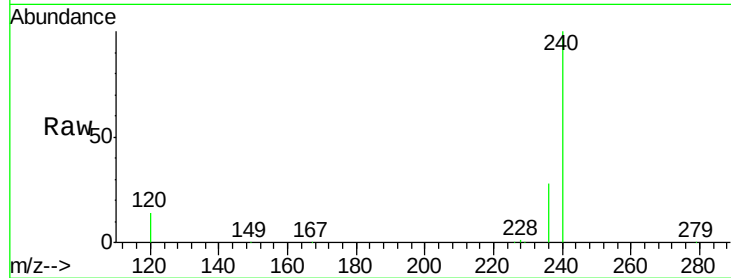
Tgt Ion:240 Resp: 194138

Ion Ratio Lower Upper

240 100

120 13.9 7.9 11.9#

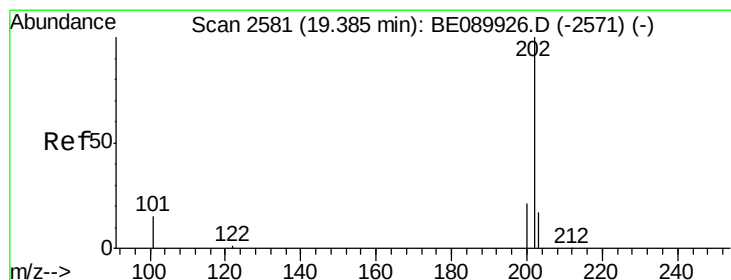
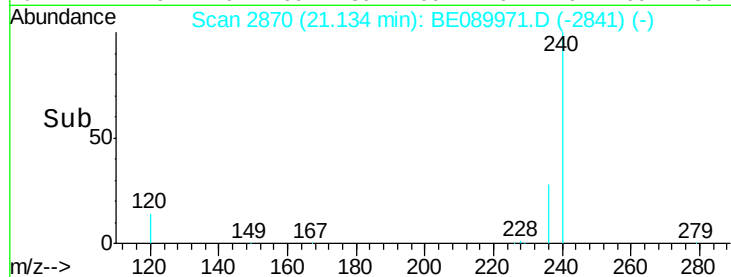
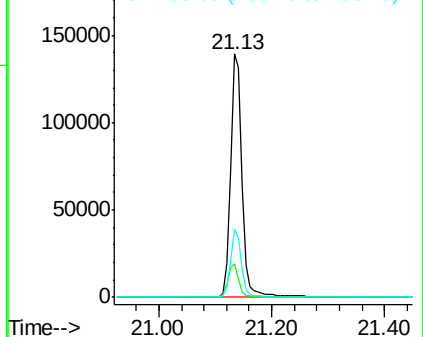
236 28.1 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 0.18 ng

RT: 19.39 min Scan# 2582

Delta R.T. 0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

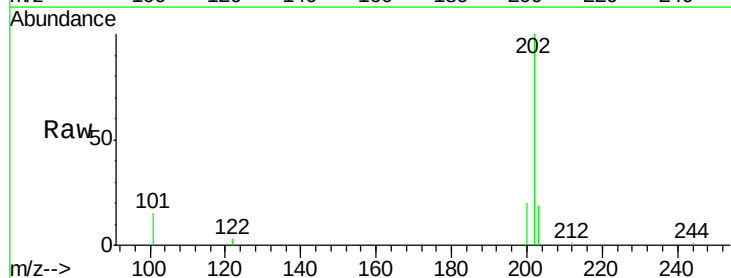
Tgt Ion:202 Resp: 8707

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

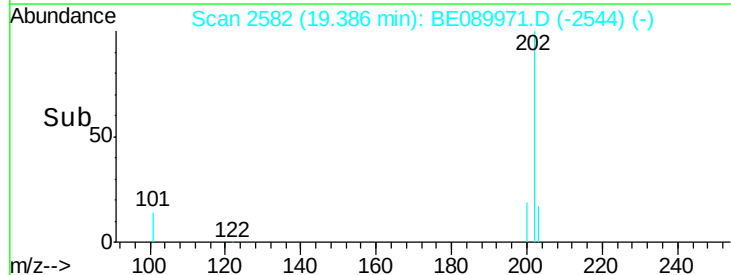
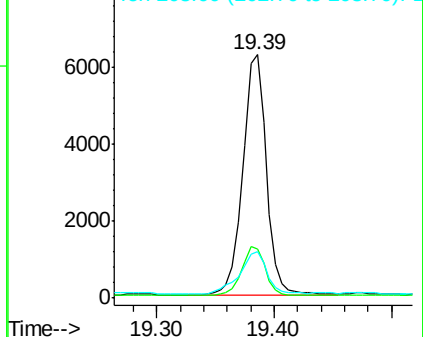
203 20.7 13.9 20.9

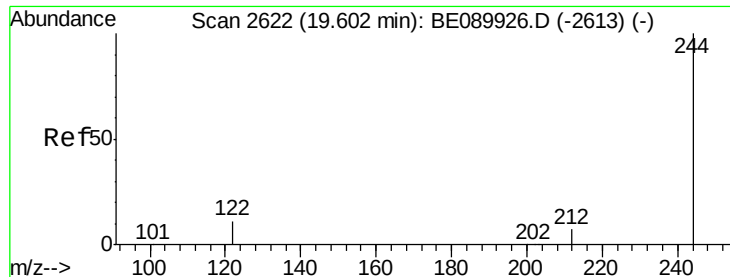


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

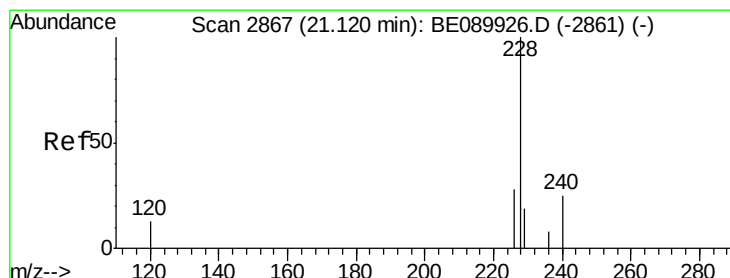
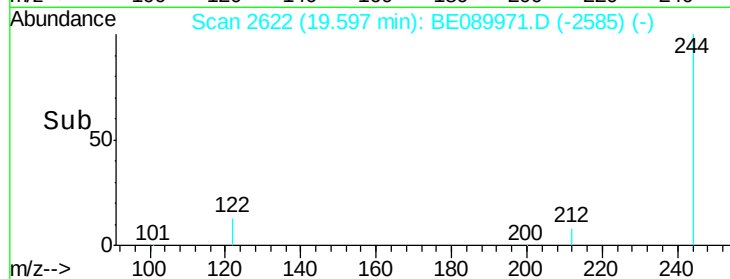
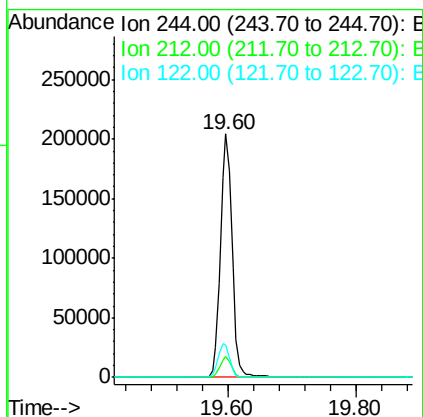
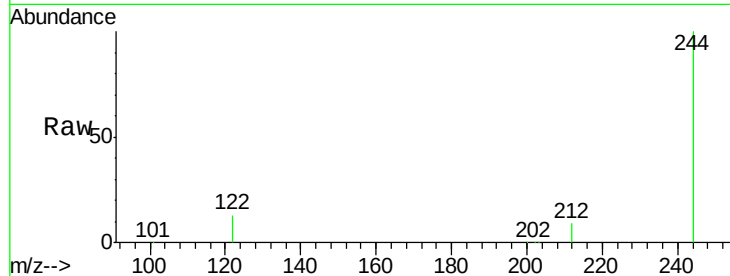




#27
 Terphenyl-d14
 Concen: 7.68 ng
 RT: 19.60 min Scan# 2622
 Delta R.T. -0.00 min
 Lab File: BE089971.D
 Acq: 27 Jun 2015 11:44

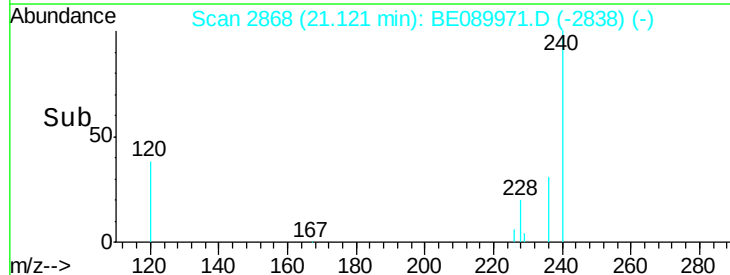
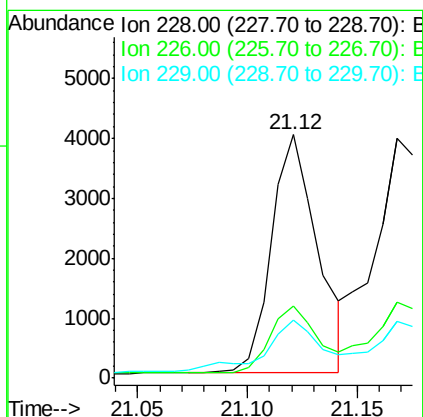
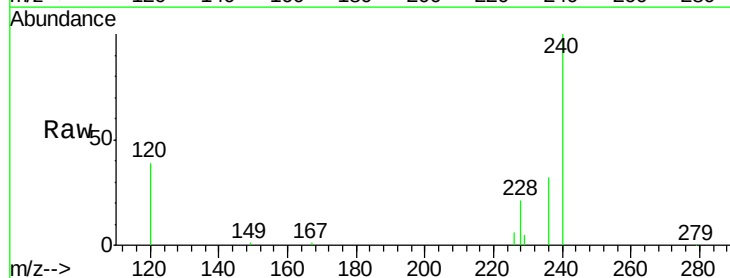
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0630006-150624

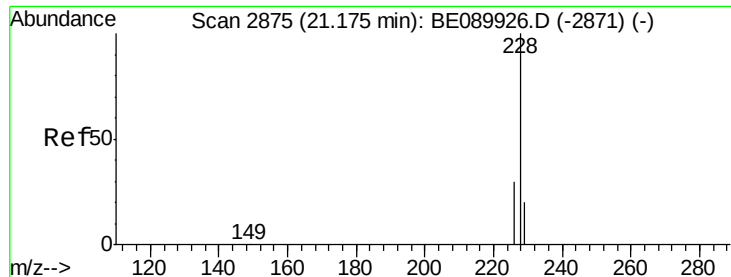
Tgt Ion:244 Resp: 257530
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.1 9.1
 122 13.3 8.7 13.1#



#28
 Benzo(a)anthracene
 Concen: 0.13 ng
 RT: 21.12 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: BE089971.D
 Acq: 27 Jun 2015 11:44

Tgt Ion:228 Resp: 5834
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.2 33.4
 229 23.8 15.3 22.9#





#29

Chrysene

Concen: 0.13 ng

RT: 21.17 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Instrument :

BNA_E

ClientSampleId :

X1SS0630006-150624

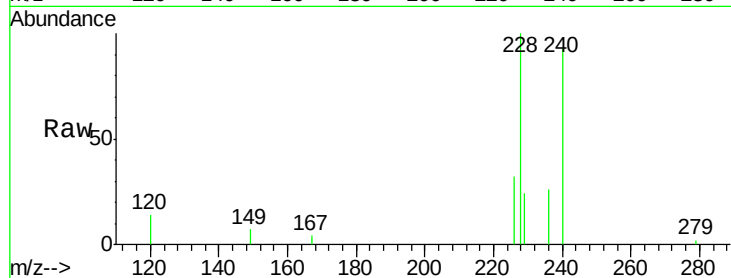
Tgt Ion:228 Resp: 6623

Ion Ratio Lower Upper

228 100

226 31.8 23.7 35.5

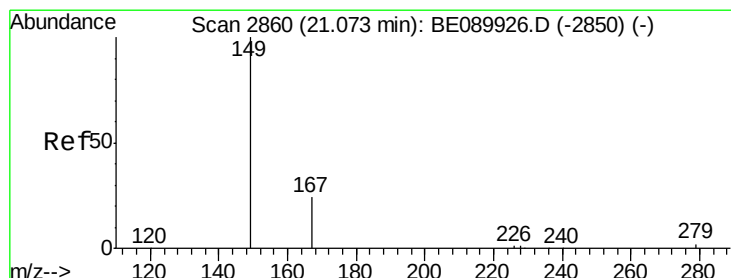
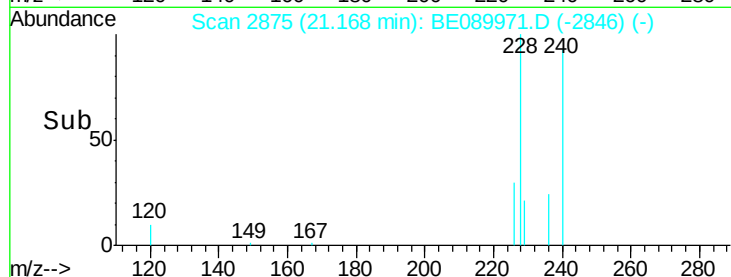
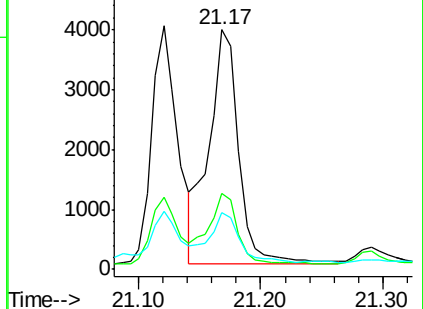
229 23.5 15.8 23.8



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: 2.27 ng

RT: 21.07 min Scan# 2861

Delta R.T. 0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

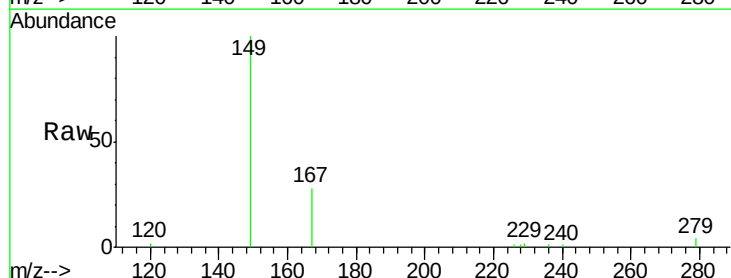
Tgt Ion:149 Resp: 8963

Ion Ratio Lower Upper

149 100

167 25.8 20.3 30.5

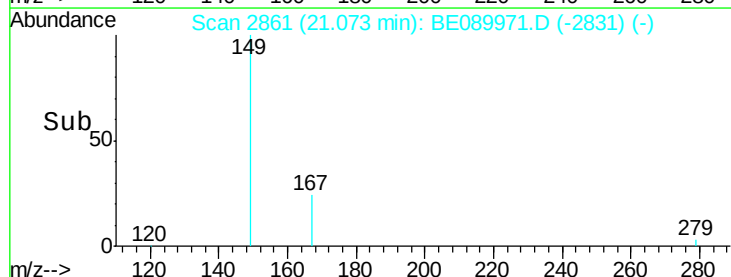
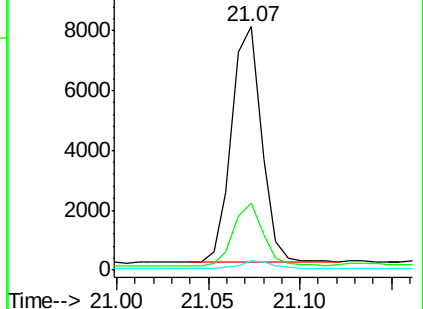
279 3.1 2.7 4.1

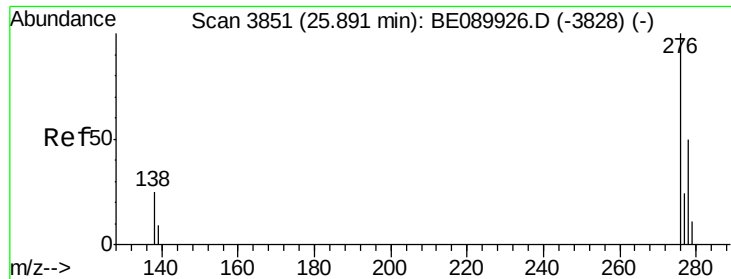


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.11 ng

RT: 25.88 min Scan# 3848

Delta R.T. -0.01 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Instrument :

BNA_E

ClientSampleId :

X1SS0630006-150624

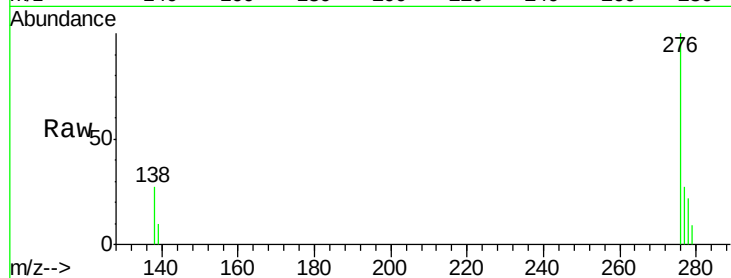
Tgt Ion:276 Resp: 4226

Ion Ratio Lower Upper

276 100

138 24.5 0.0 0.0#

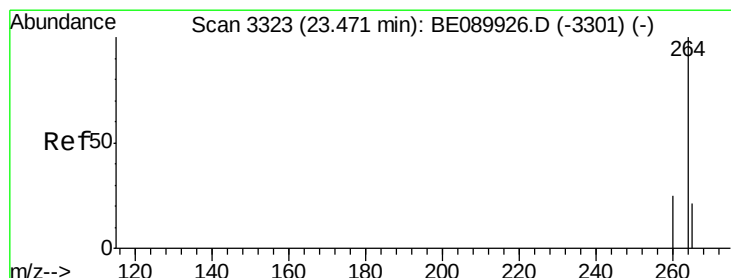
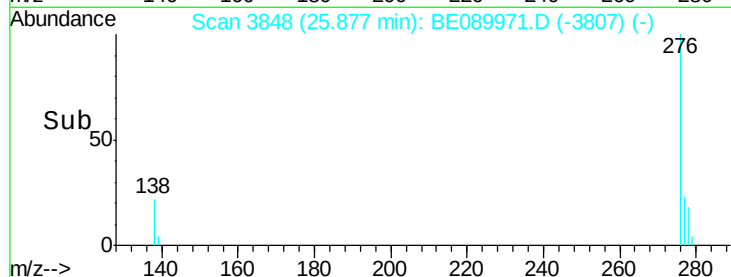
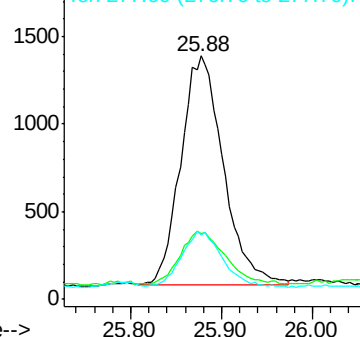
277 23.7 0.0 0.0#



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: 23.46 min Scan# 3322

Delta R.T. -0.01 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

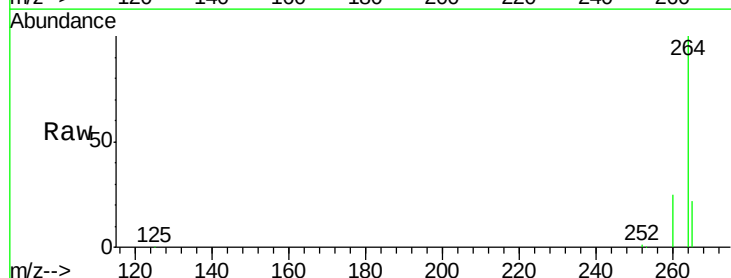
Tgt Ion:264 Resp: 178882

Ion Ratio Lower Upper

264 100

260 25.4 19.8 29.6

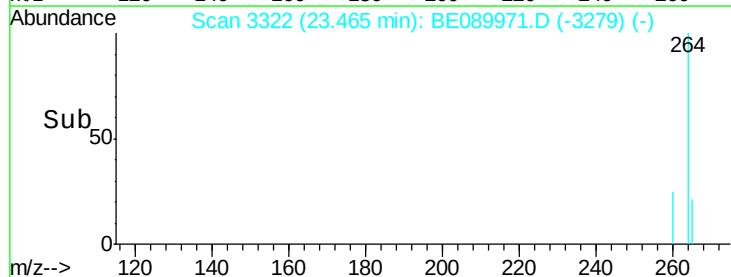
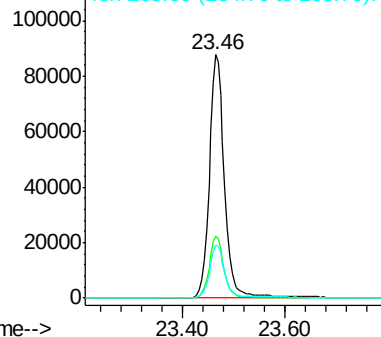
265 21.7 17.3 25.9

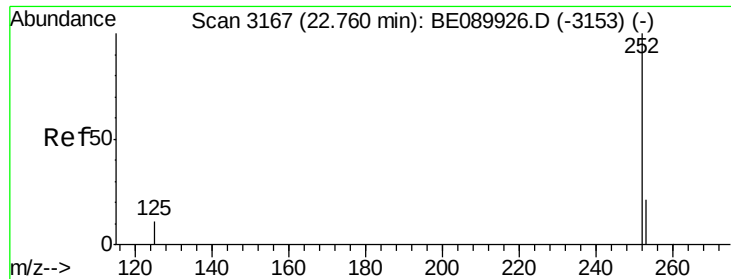


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.22 ng

RT: 22.76 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Instrument :

BNA_E

ClientSampleId :

X1SS0630006-150624

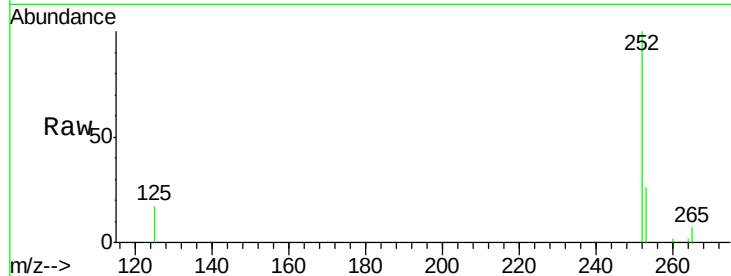
Tgt Ion:252 Resp: 8292

Ion Ratio Lower Upper

252 100

253 26.2 17.3 25.9#

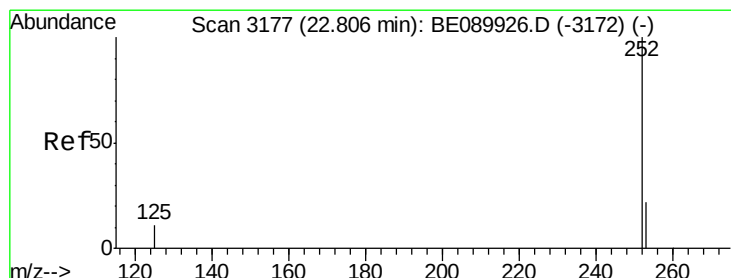
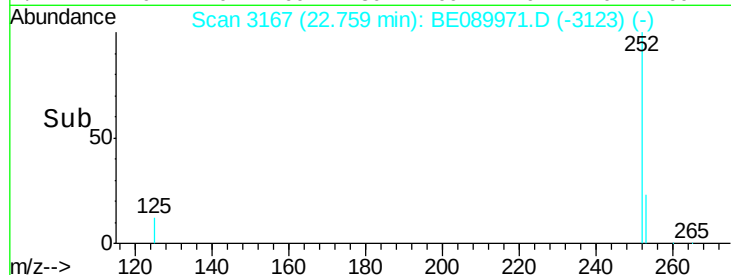
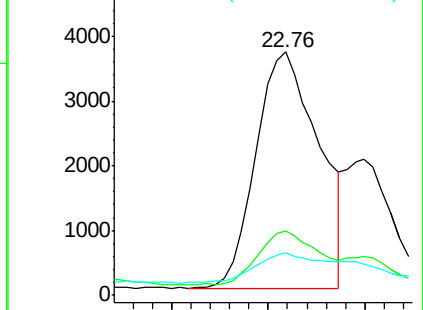
125 17.4 9.3 13.9#



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: 0.19 ng

RT: 22.76 min Scan# 3167

Delta R.T. -0.05 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

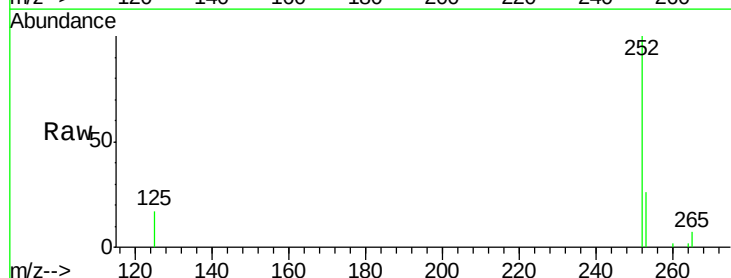
Tgt Ion:252 Resp: 8290

Ion Ratio Lower Upper

252 100

253 26.2 17.9 26.9

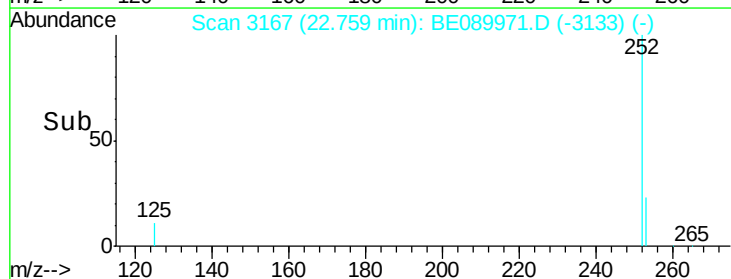
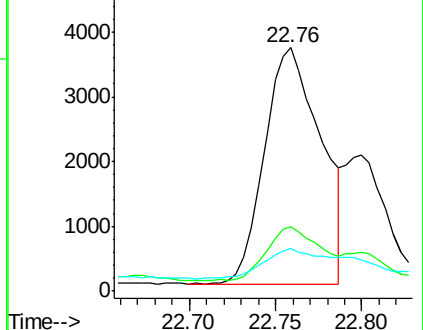
125 17.4 9.2 13.8#

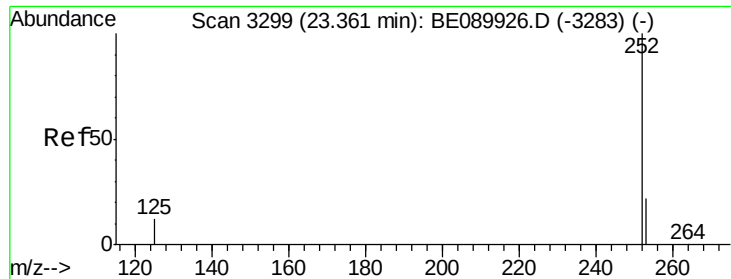


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.15 ng

RT: 23.36 min Scan# 3299

Delta R.T. -0.00 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

Instrument :

BNA_E

ClientSampleId :

X1SS0630006-150624

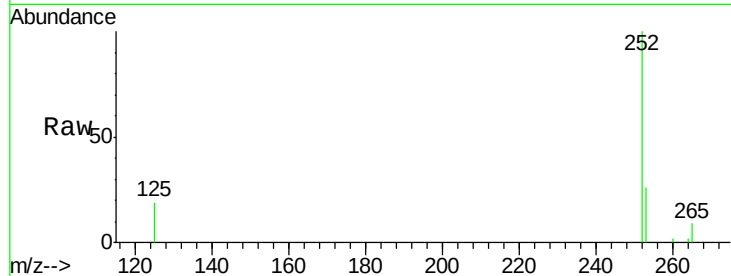
Tgt Ion: 252 Resp: 5035

Ion Ratio Lower Upper

252 100

253 26.2 17.8 26.6

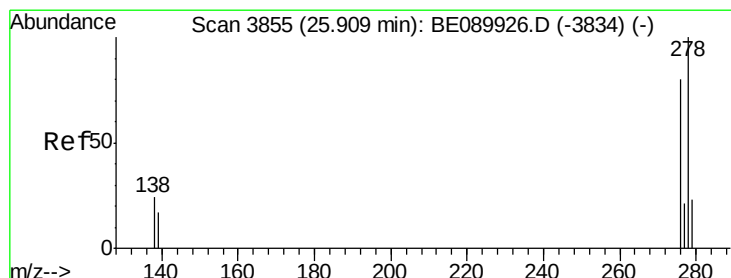
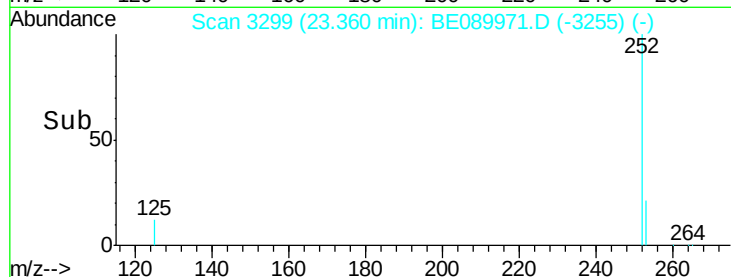
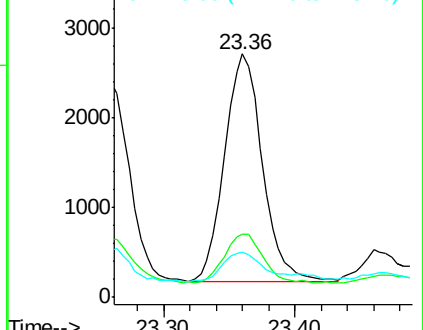
125 18.6 10.3 15.5#



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: 0.03 ng

RT: 25.89 min Scan# 3850

Delta R.T. -0.02 min

Lab File: BE089971.D

Acq: 27 Jun 2015 11:44

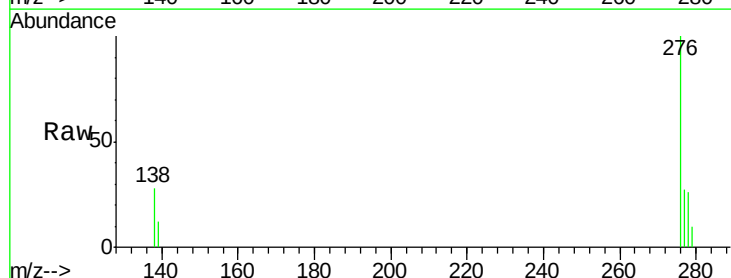
Tgt Ion: 278 Resp: 979

Ion Ratio Lower Upper

278 100

139 44.8 14.1 21.1#

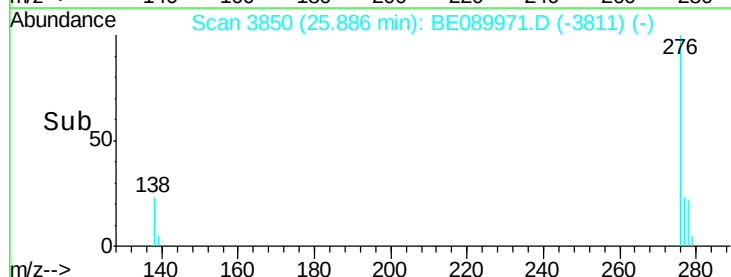
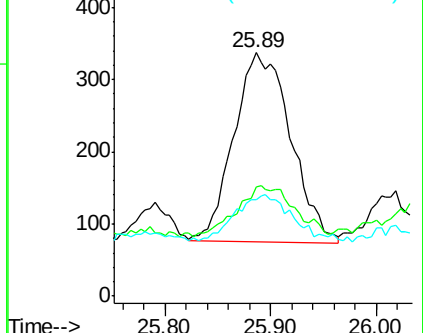
279 39.8 19.0 28.6#

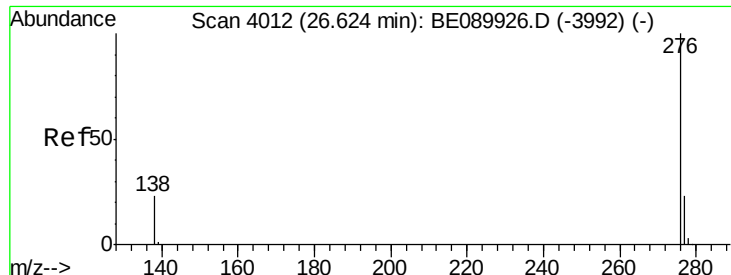


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

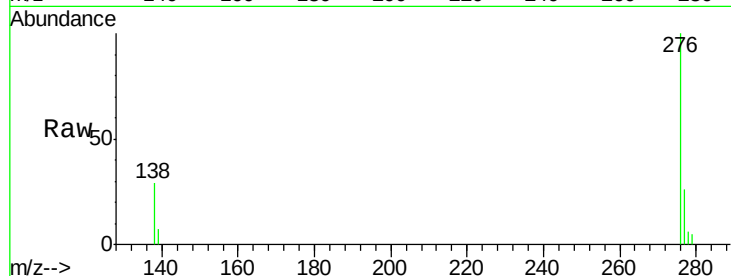




#37
 Benzo(g,h,i)perylene
 Concen: 0.15 ng
 RT: 26.62 min Scan# 4011
 Delta R.T. -0.00 min
 Lab File: BE089971.D
 Acq: 27 Jun 2015 11:44

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0630006-150624

Tgt Ion: 276 Resp: 5017
 Ion Ratio Lower Upper
 276 100
 277 26.1 19.0 28.4
 138 29.0 18.8 28.2#



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

