

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089974.D
 Acq On : 27 Jun 2015 13:31
 Operator : TP/IZ
 Sample : G2782-18 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0200006-150624

Quant Time: Jun 29 00:56:01 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

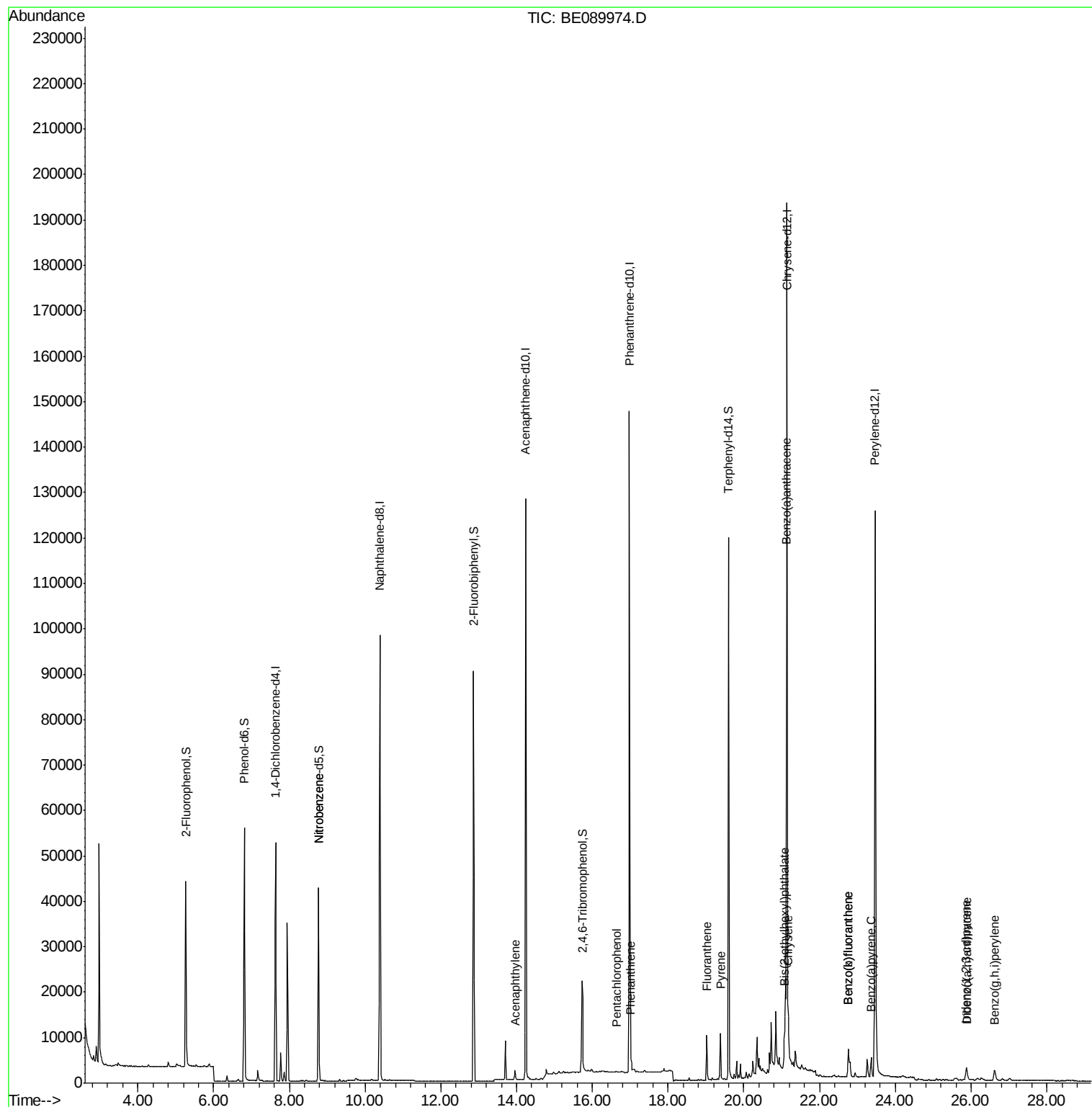
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	24969	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	123866	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	72842	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	172817	5.00	ng	0.00
25) Chrysene-d12	21.14	240	194119	5.00	ng	0.00
32) Perylene-d12	23.47	264	176305	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	30202	6.70	ng	0.00
5) Phenol-d6	6.81	99	55864	8.09	ng	0.00
7) Nitrobenzene-d5	8.77	82	34264	3.72	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	10172	7.92	ng	0.00
14) 2-Fluorobiphenyl	12.87	172	83160	3.92	ng	0.00
27) Terphenyl-d14	19.60	244	121316	3.62	ng	0.00
Target Compounds						Qvalue
8) Nitrobenzene	8.77	77	2087	0.21	ng	# 44
15) Acenaphthylene	13.96	152	3028	0.02	ng	# 98
21) Pentachlorophenol	16.65	266	138	0.51	ng	# 81
22) Phenanthrene	17.01	178	2665	0.06	ng	# 94
24) Fluoranthene	19.02	202	8865	0.19	ng	# 98
26) Pyrene	19.38	202	9016	0.18	ng	# 93
28) Benzo(a)anthracene	21.12	228	7031	0.15	ng	# 81
29) Chrysene	21.18	228	7908	0.16	ng	# 87
30) Bis(2-ethylhexyl)phthalate	21.07	149	10532	2.66	ng	# 55
31) Indeno(1,2,3-cd)pyrene	25.87	276	4935	0.13	ng	# 100
33) Benzo(b)fluoranthene	22.75	252	10720	0.29	ng	# 87
34) Benzo(k)fluoranthene	22.75	252	10720	0.25	ng	# 88
35) Benzo(a)pyrene	23.36	252	6385	0.19	ng	# 88
36) Dibenzo(a,h)anthracene	25.90	278	1319	0.04	ng	# 45
37) Benzo(g,h,i)perylene	26.62	276	5387	0.16	ng	# 88

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

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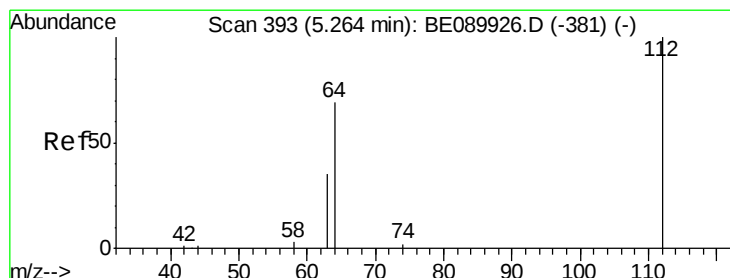
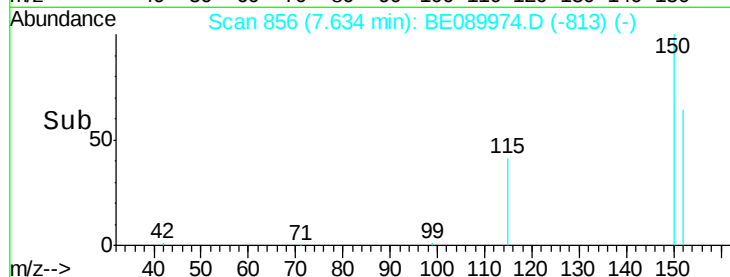
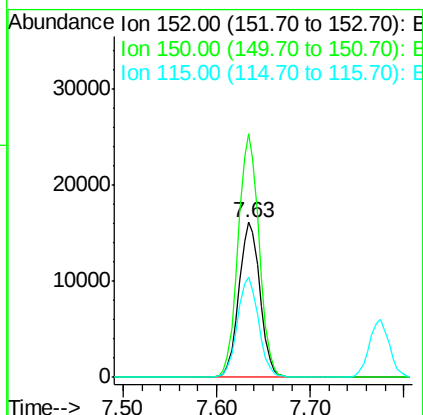
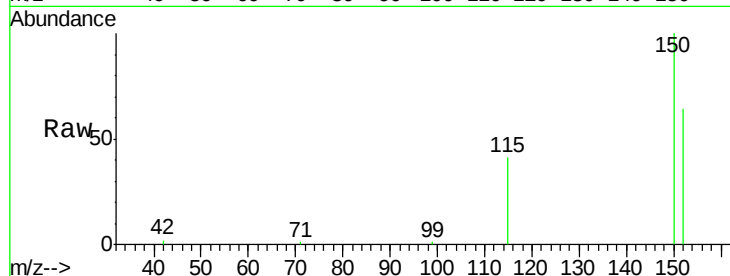


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 856
Delta R.T. -0.00 min
Lab File: BE089974.D
Acq: 27 Jun 2015 13:31

Instrument :
BNA_E
ClientSampleId :
X3SS0200006-150624

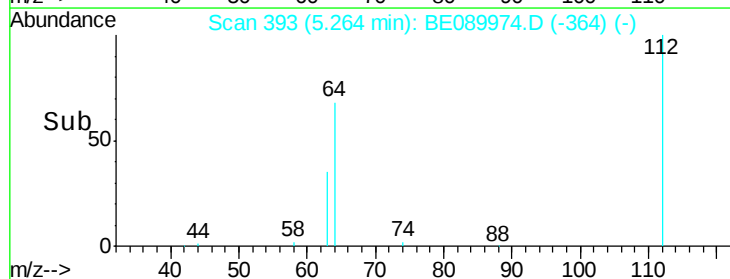
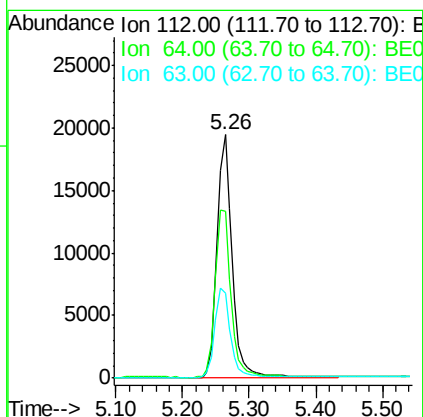
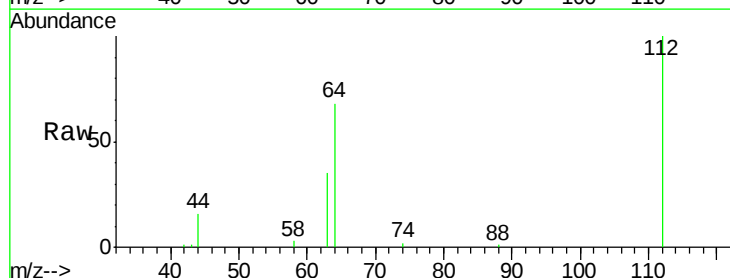
Tgt Ion:152 Resp: 24969
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 64.9 51.6 77.4

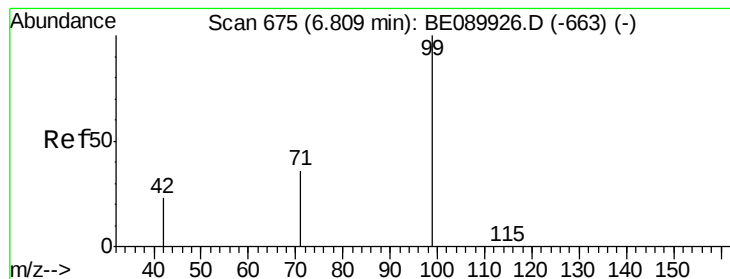


#4

2-Fluorophenol
Concen: 6.70 ng
RT: 5.26 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE089974.D
Acq: 27 Jun 2015 13:31

Tgt Ion:112 Resp: 30202
Ion Ratio Lower Upper
112 100
64 72.4 57.4 86.2
63 38.2 31.2 46.8





#5

Phenol-d6

Concen: 8.09 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624

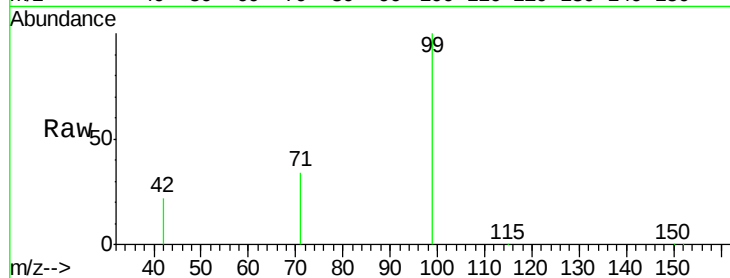
Tgt Ion: 99 Resp: 55864

Ion Ratio Lower Upper

99 100

42 22.4 19.5 29.3

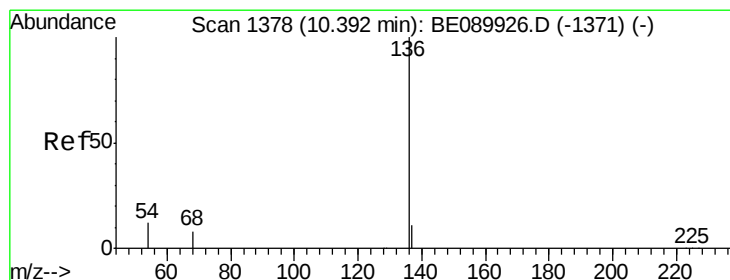
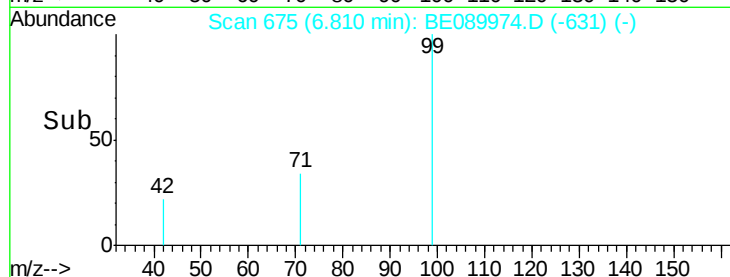
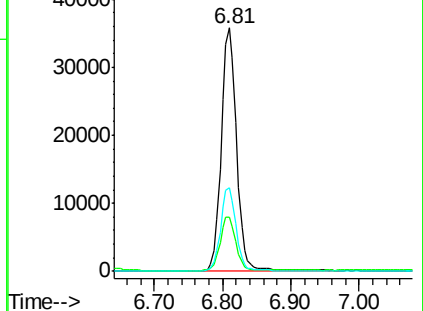
71 34.3 27.8 41.6



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: BE089974.D

Acq: 27 Jun 2015 13:31

Tgt Ion: 136 Resp: 123866

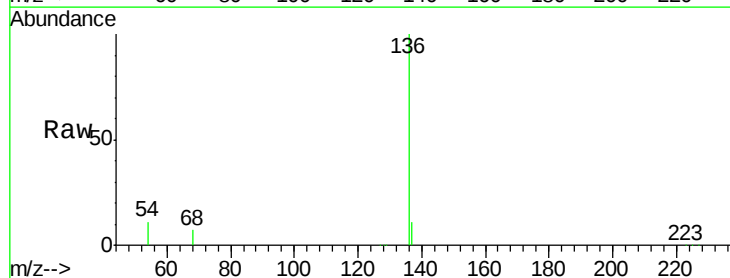
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.8 9.7 14.5

68 7.5 6.5 9.7

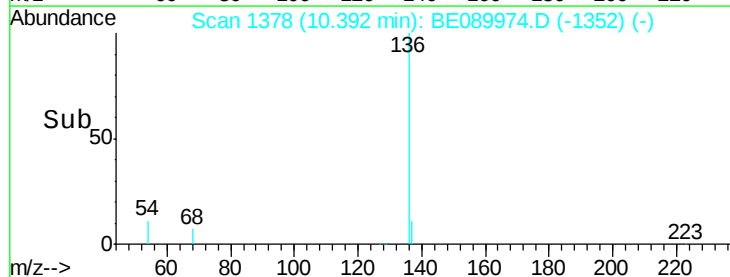
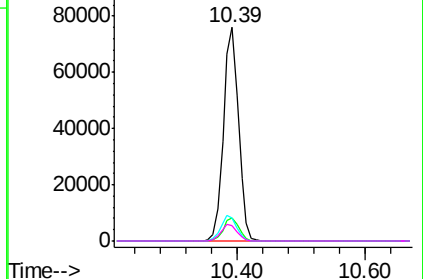


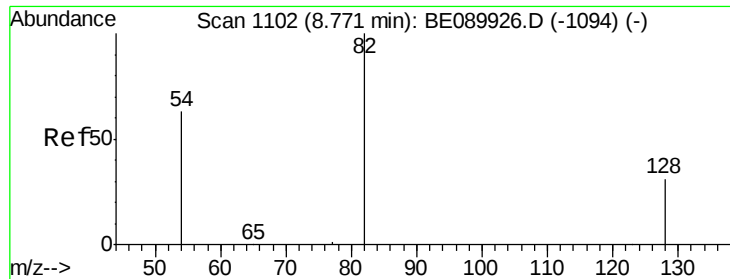
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.72 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624

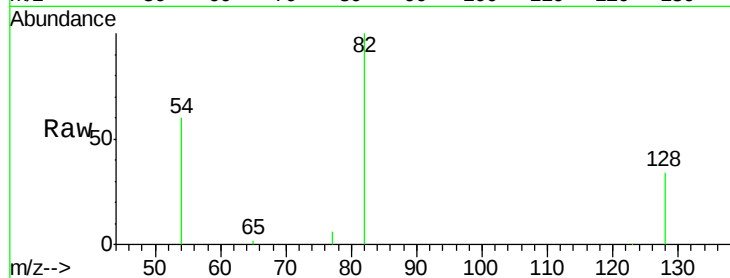
Tgt Ion: 82 Resp: 34264

Ion Ratio Lower Upper

82 100

128 33.8 25.6 38.4

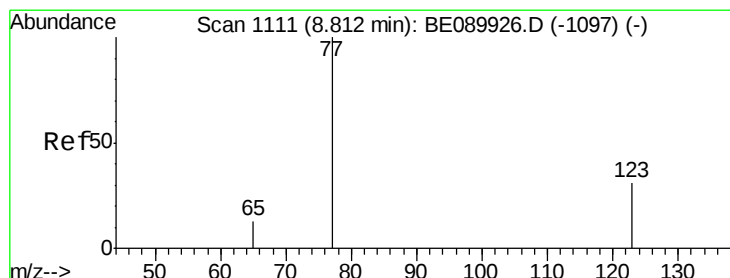
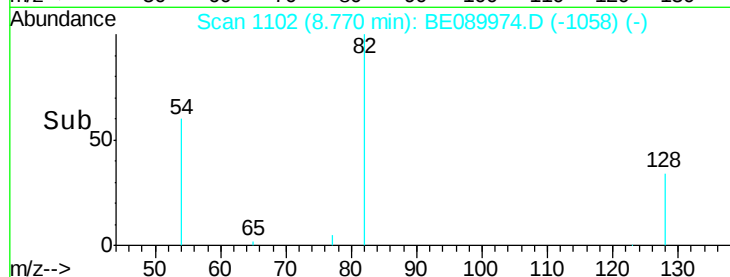
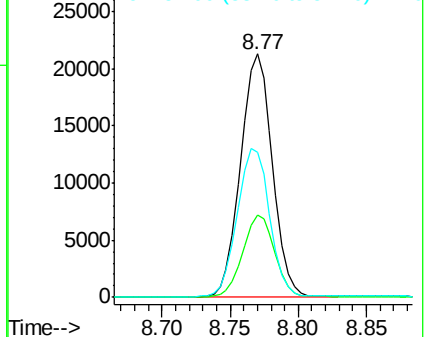
54 59.7 51.2 76.8



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: 0.21 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.04 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

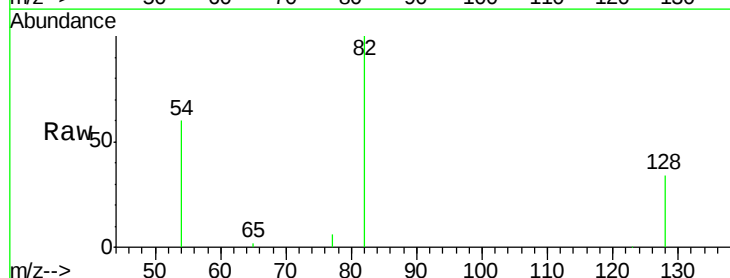
Tgt Ion: 77 Resp: 2087

Ion Ratio Lower Upper

77 100

123 0.9 26.6 39.8#

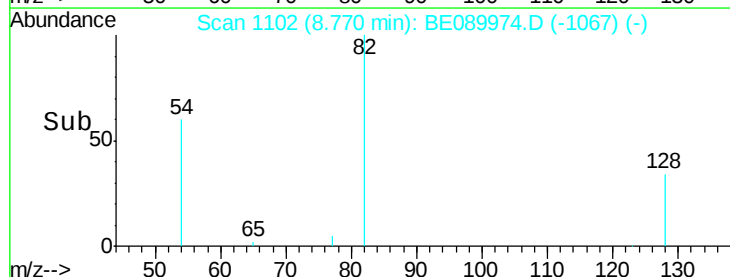
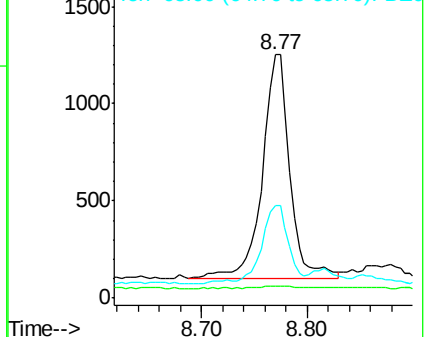
65 34.5 10.2 15.4#

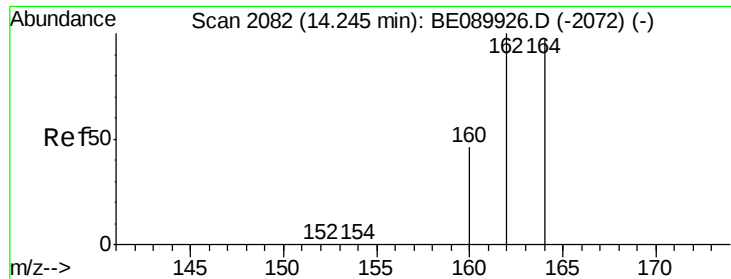


Abundance Ion 77.00 (76.70 to 77.70): BE0

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: BE089974.D

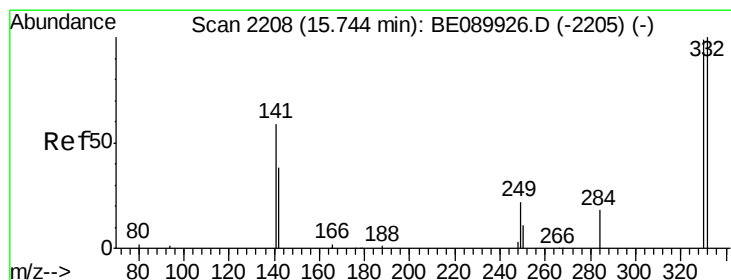
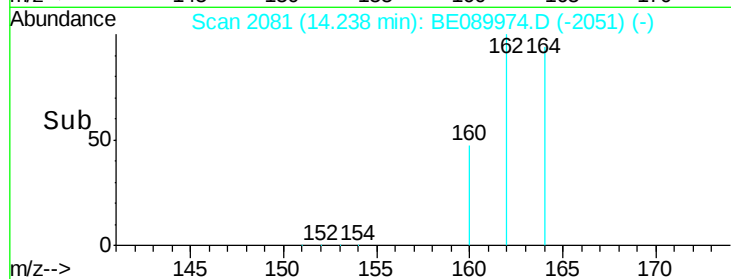
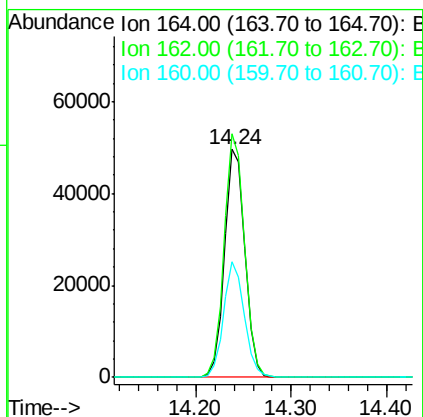
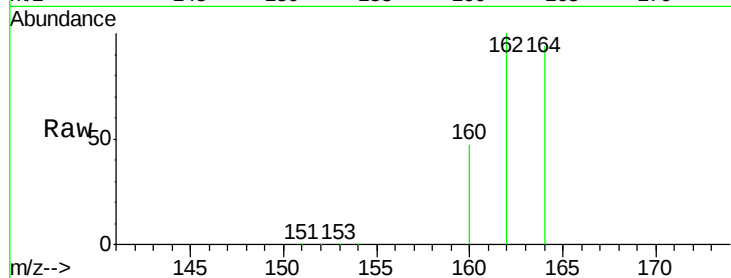
Acq: 27 Jun 2015 13:31

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Tgt Ion:164 Resp: 72842

Ion	Ratio	Lower	Upper
164	100		
162	106.7	82.7	124.1
160	50.7	38.3	57.5



#13

2,4,6-Tribromophenol

Concen: 7.92 ng

RT: 15.74 min Scan# 2208

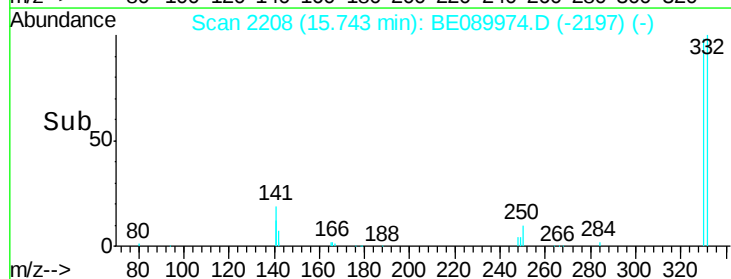
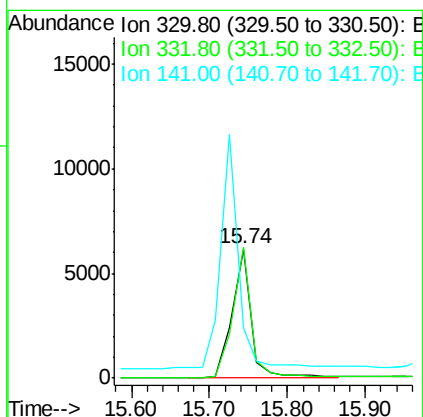
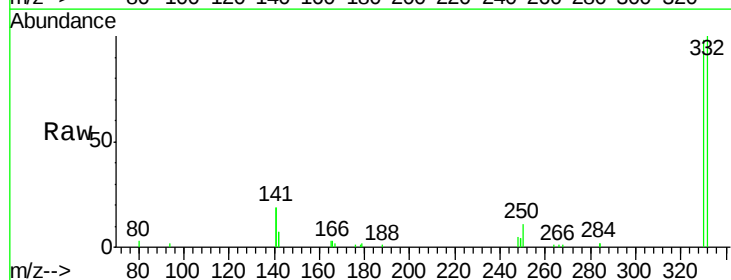
Delta R.T. 0.00 min

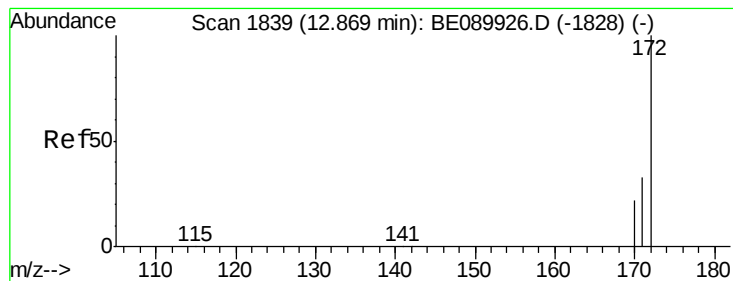
Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Tgt Ion:330 Resp: 10172

Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.9	116.9
141	175.8	142.8	214.2





#14

2-Fluorobiphenyl

Concen: 3.92 ng

RT: 12.87 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624

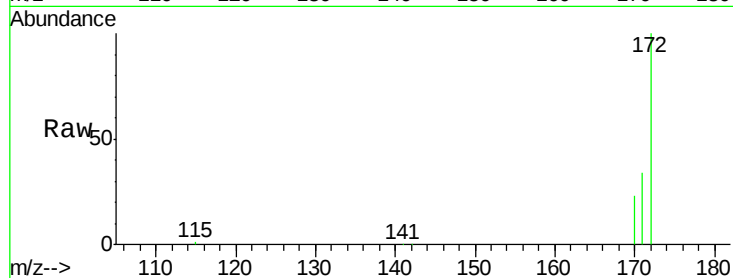
Tgt Ion:172 Resp: 83160

Ion Ratio Lower Upper

172 100

171 33.5 26.7 40.1

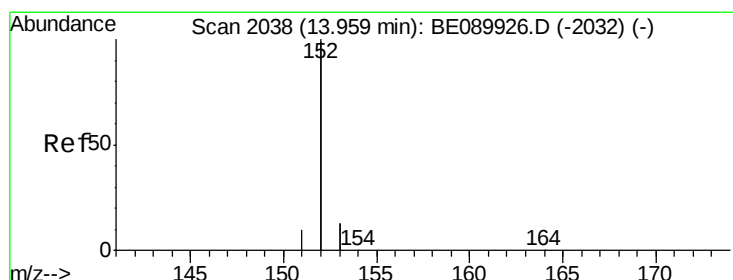
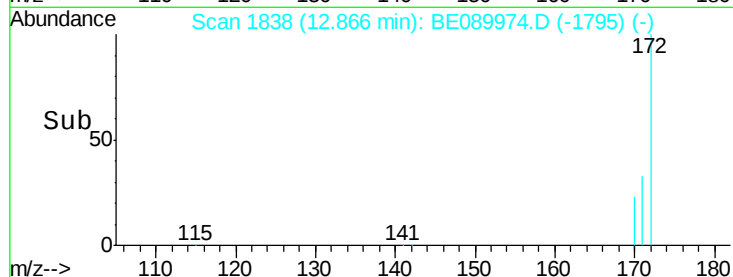
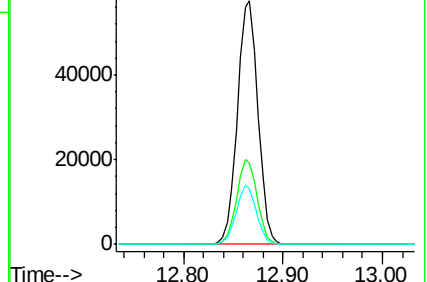
170 22.6 17.5 26.3



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



#15

Acenaphthylene

Concen: 0.02 ng

RT: 13.96 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

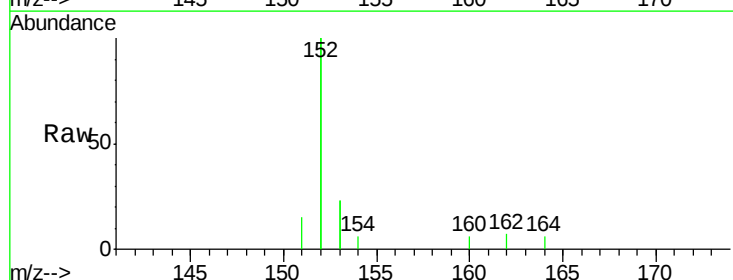
Tgt Ion:152 Resp: 3028

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

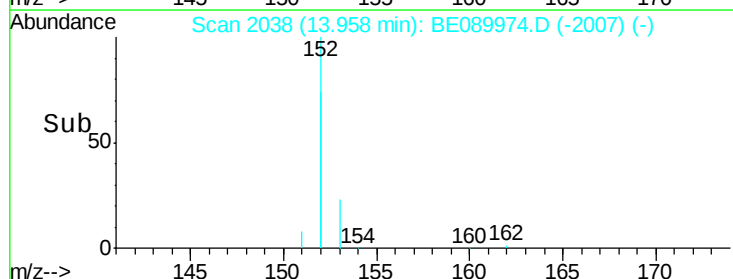
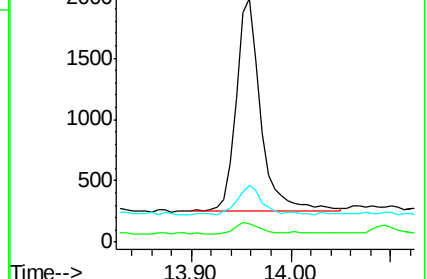
153 13.9 10.4 15.6

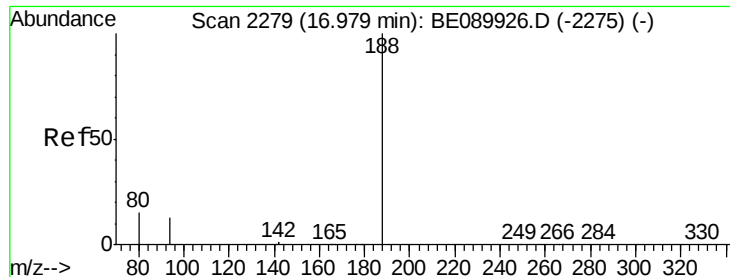


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.98 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE089974.D

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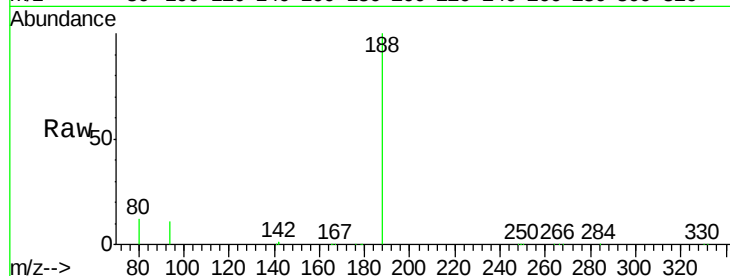
Tgt Ion:188 Resp: 172817

Ion Ratio Lower Upper

188 100

94 11.2 10.6 16.0

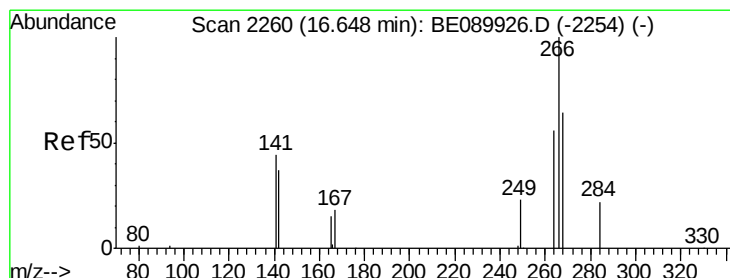
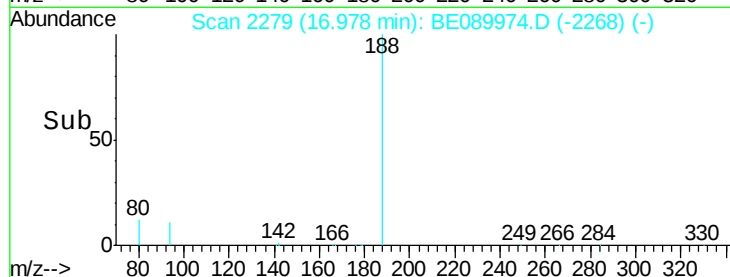
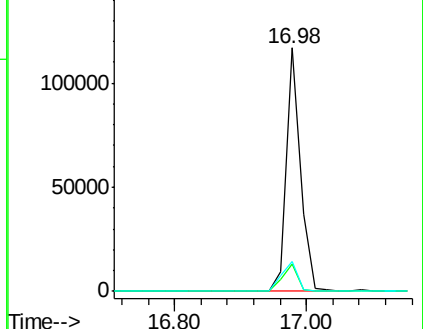
80 12.4 11.8 17.6



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: 0.51 ng

RT: 16.65 min Scan# 2260

Delta R.T. -0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

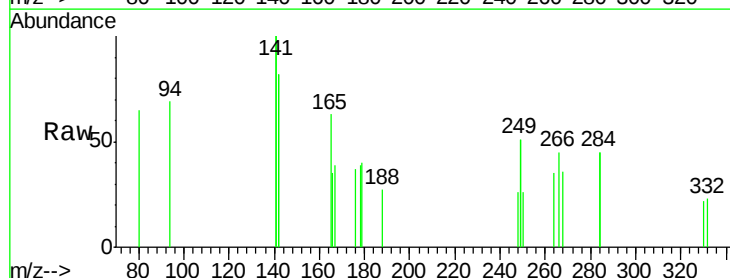
Tgt Ion:266 Resp: 138

Ion Ratio Lower Upper

266 100

268 80.4 54.4 81.6

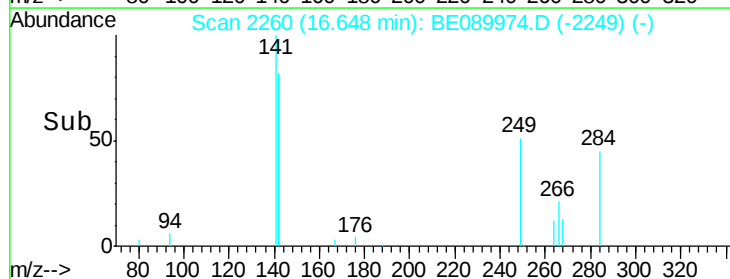
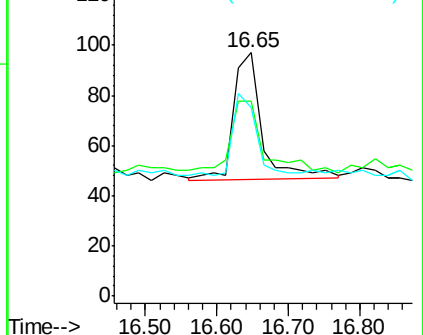
264 77.3 48.2 72.2#

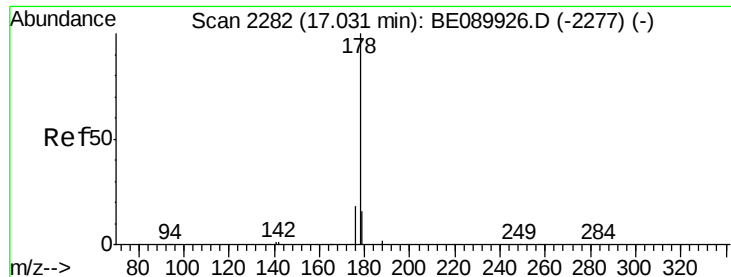


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.06 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

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X3SS0200006-150624

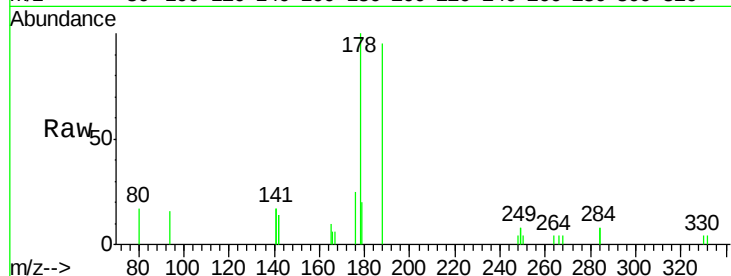
Tgt Ion:178 Resp: 2665

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.2

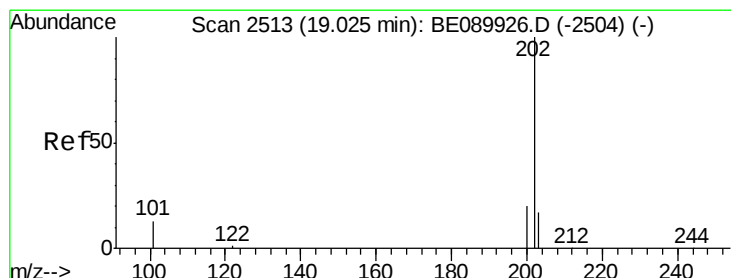
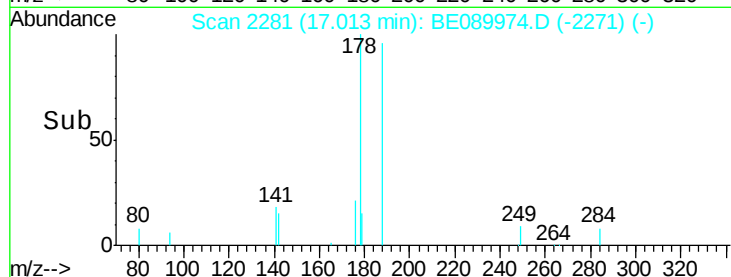
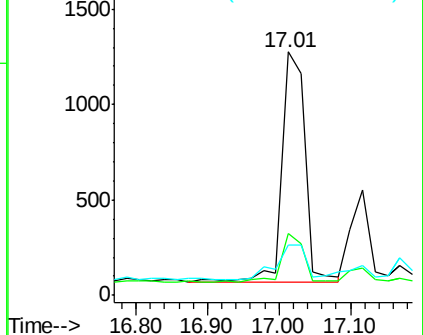
179 20.6 12.6 19.0#



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: BE089974.D

Acq: 27 Jun 2015 13:31

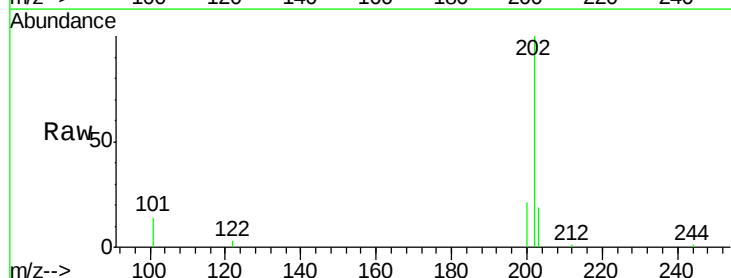
Tgt Ion:202 Resp: 8865

Ion Ratio Lower Upper

202 100

101 14.4 10.6 16.0

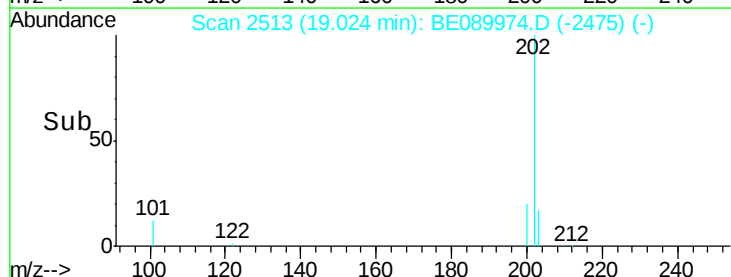
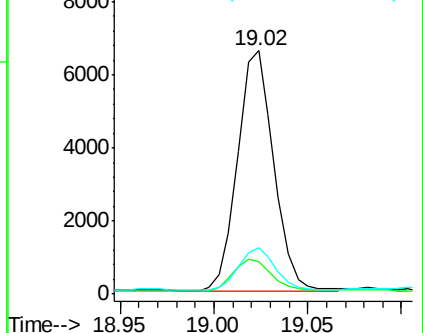
203 17.6 13.8 20.8

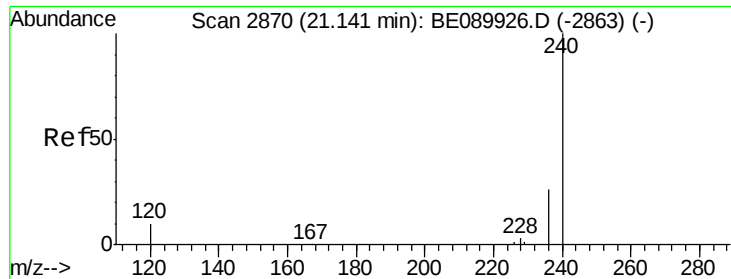


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

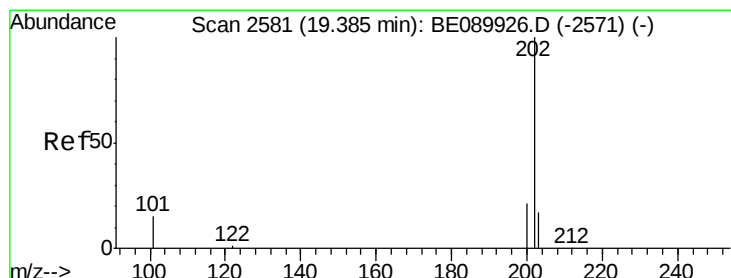
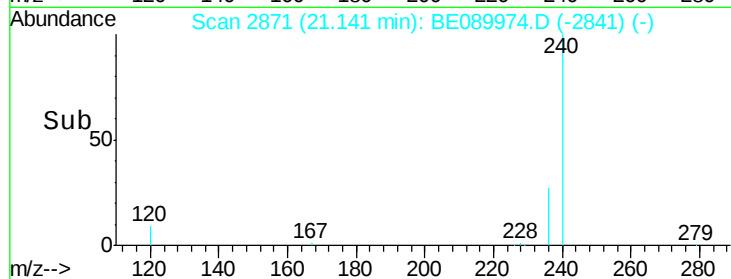
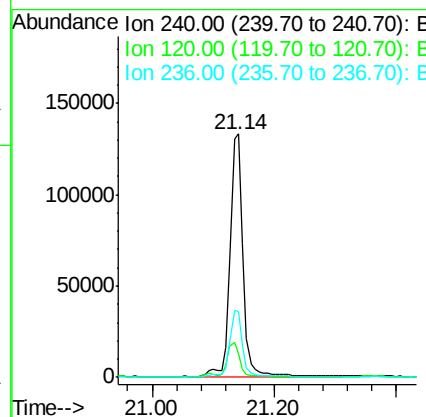
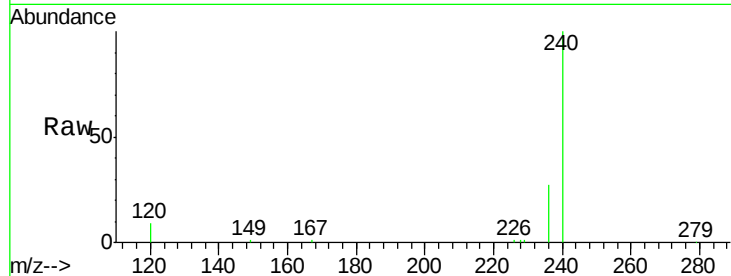




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.14 min Scan# 2871
Delta R.T. 0.00 min
Lab File: BE089974.D
Acq: 27 Jun 2015 13:31

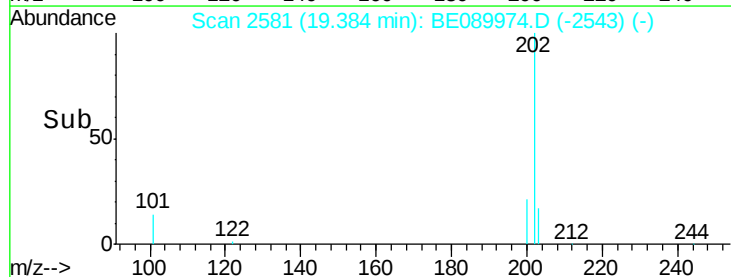
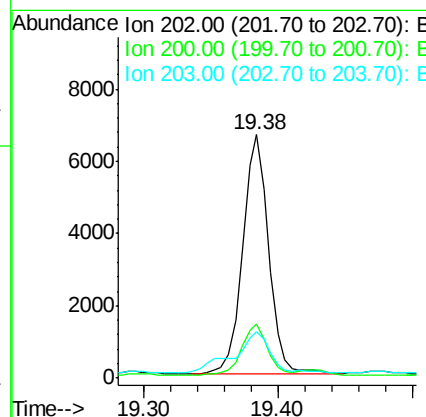
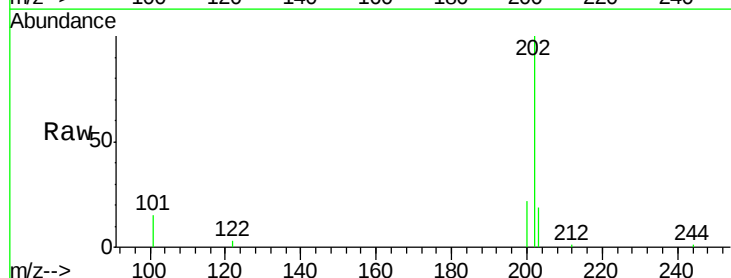
Instrument :
BNA_E
ClientSampleId :
X3SS0200006-150624

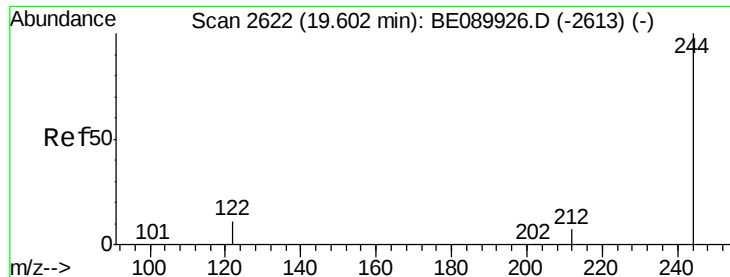
Tgt Ion:240 Resp: 194119
Ion Ratio Lower Upper
240 100
120 9.4 7.9 11.9
236 26.8 21.2 31.8



#26
Pyrene
Concen: 0.18 ng
RT: 19.38 min Scan# 2581
Delta R.T. -0.00 min
Lab File: BE089974.D
Acq: 27 Jun 2015 13:31

Tgt Ion:202 Resp: 9016
Ion Ratio Lower Upper
202 100
200 21.6 16.6 25.0
203 23.4 13.9 20.9#





#27

Terphenyl-d14

Concen: 3.62 ng

RT: 19.60 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624

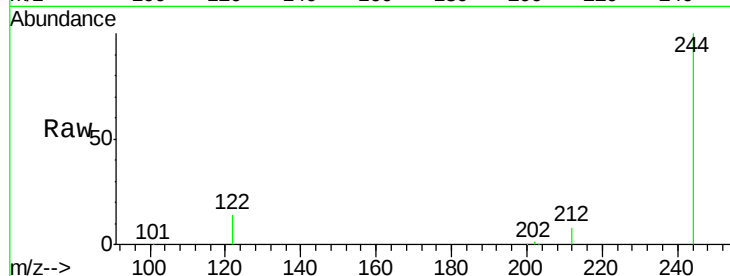
Tgt Ion:244 Resp: 121316

Ion Ratio Lower Upper

244 100

212 8.2 6.1 9.1

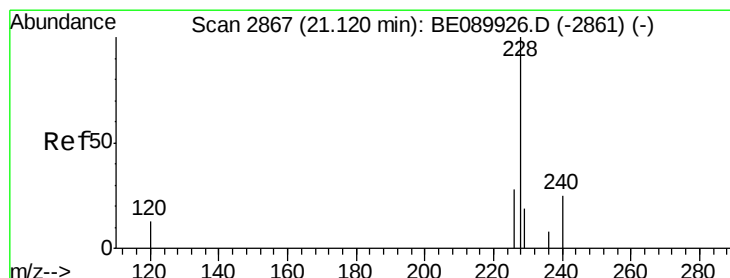
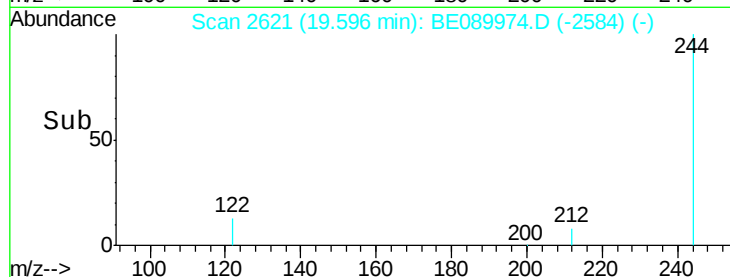
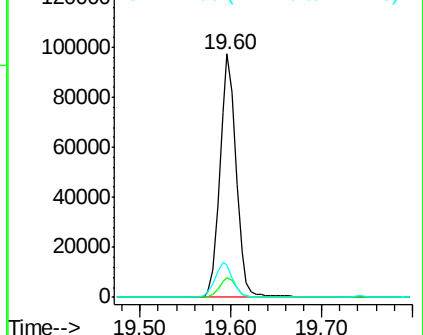
122 13.6 8.7 13.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 0.15 ng

RT: 21.12 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

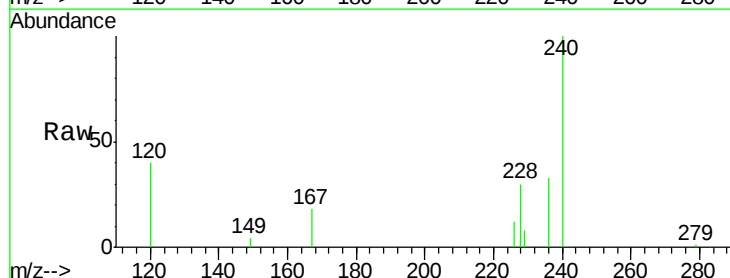
Tgt Ion:228 Resp: 7031

Ion Ratio Lower Upper

228 100

226 38.9 22.2 33.4#

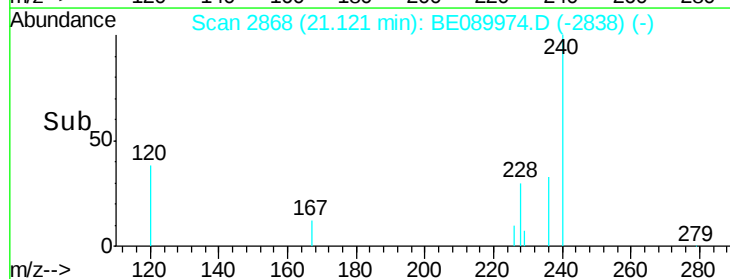
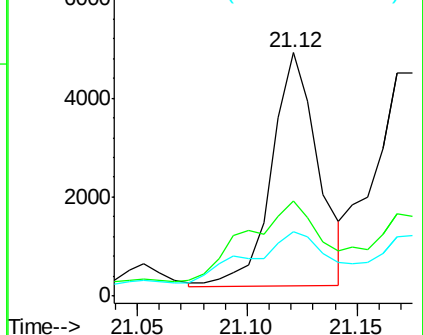
229 26.3 15.3 22.9#

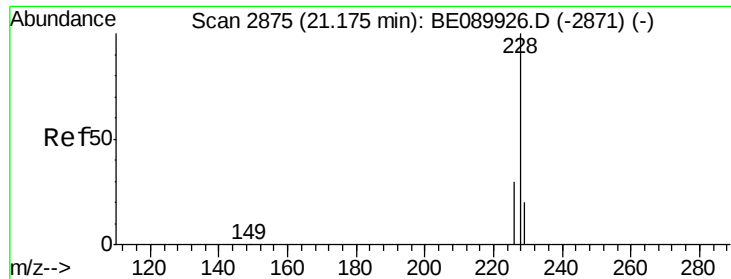


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.16 ng

RT: 21.18 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624

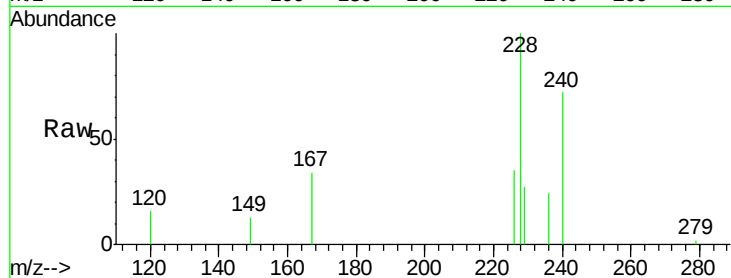
Tgt Ion:228 Resp: 7908

Ion Ratio Lower Upper

228 100

226 35.4 23.7 35.5

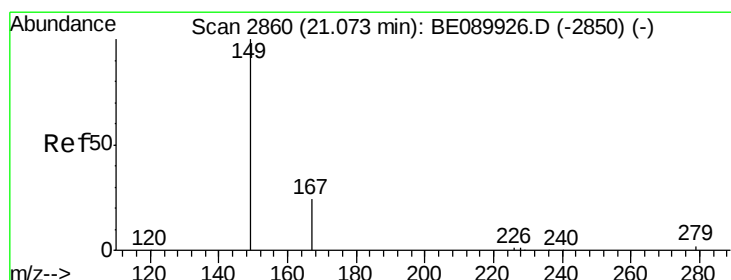
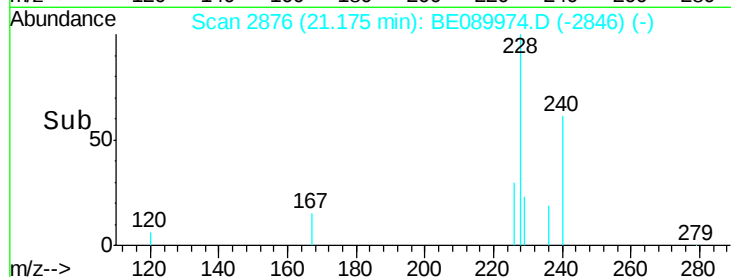
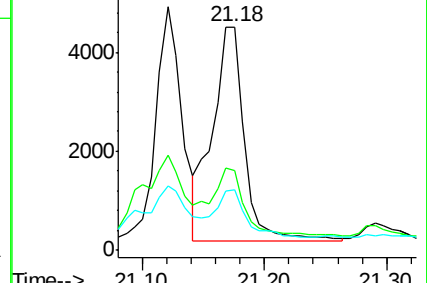
229 26.9 15.8 23.8#



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: 2.66 ng

RT: 21.07 min Scan# 2861

Delta R.T. 0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

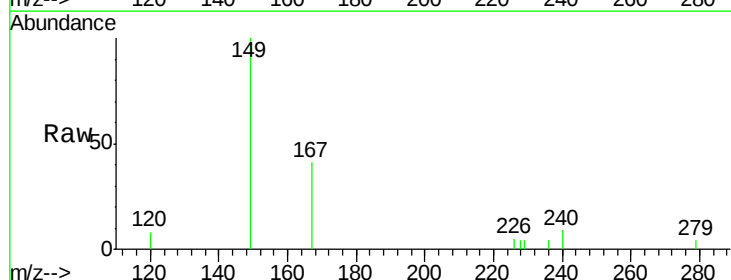
Tgt Ion:149 Resp: 10532

Ion Ratio Lower Upper

149 100

167 0.0 20.3 30.5#

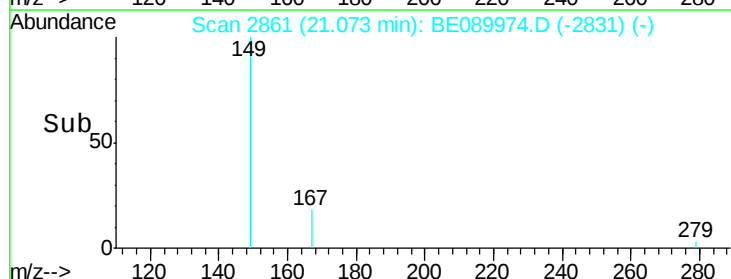
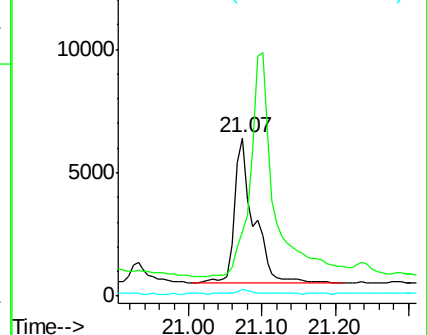
279 2.2 2.7 4.1#

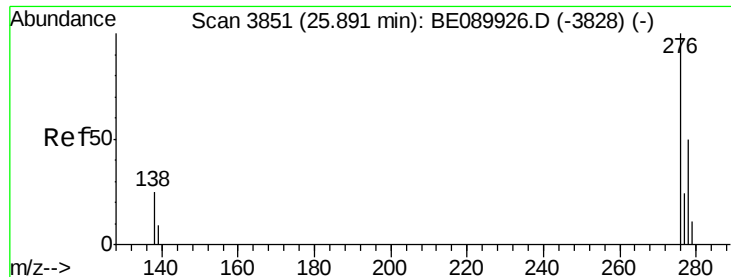


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.13 ng

RT: 25.87 min Scan# 3847

Delta R.T. -0.02 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624

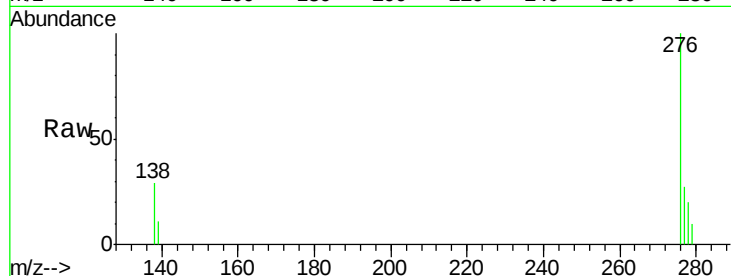
Tgt Ion:276 Resp: 4935

Ion Ratio Lower Upper

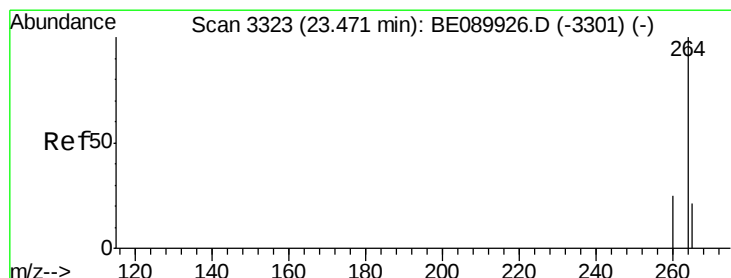
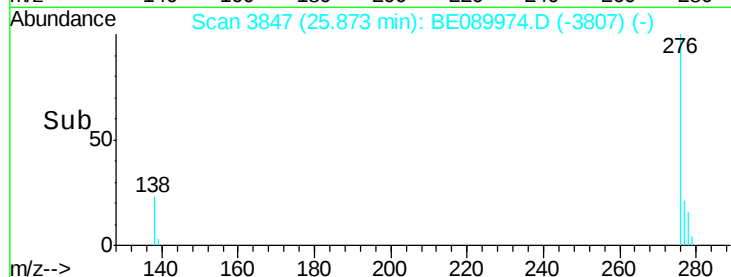
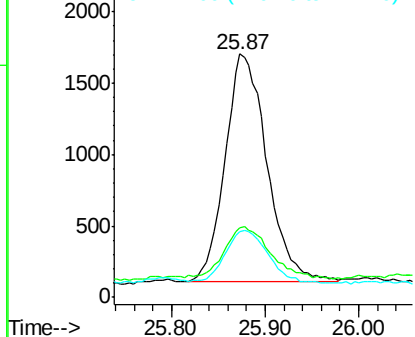
276 100

138 26.1 0.0 0.0#

277 24.2 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: 23.47 min Scan# 3323

Delta R.T. -0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

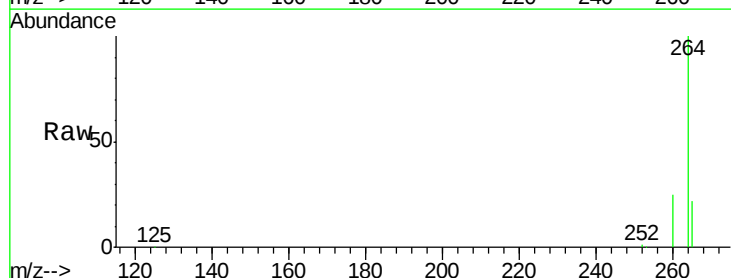
Tgt Ion:264 Resp: 176305

Ion Ratio Lower Upper

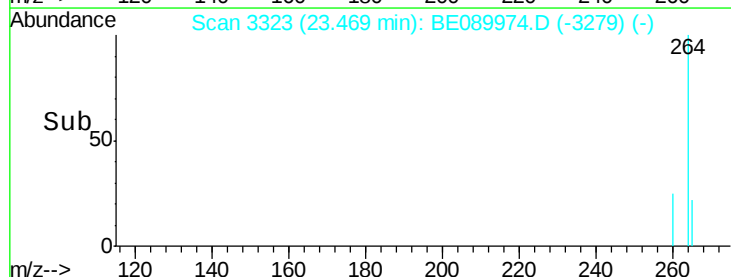
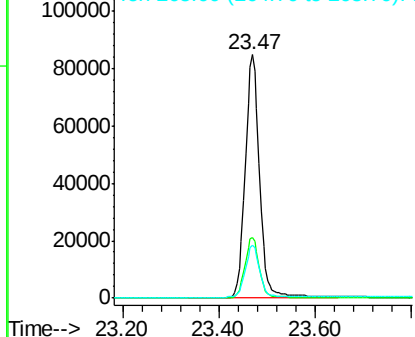
264 100

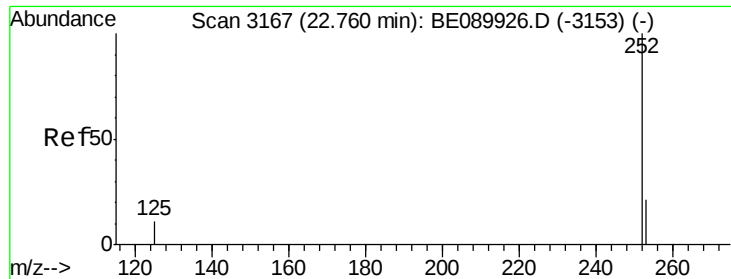
260 25.0 19.8 29.6

265 22.0 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: 0.29 ng

RT: 22.75 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624

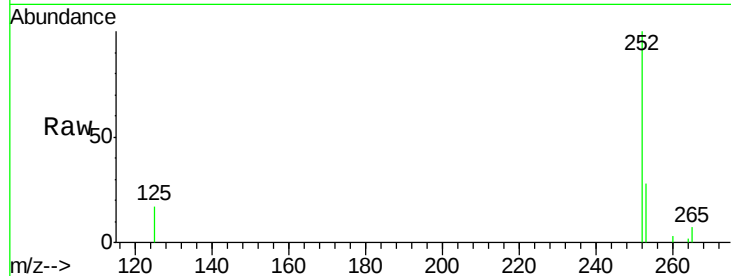
Tgt Ion:252 Resp: 10720

Ion Ratio Lower Upper

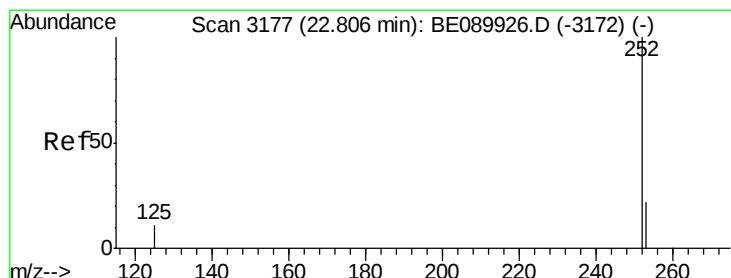
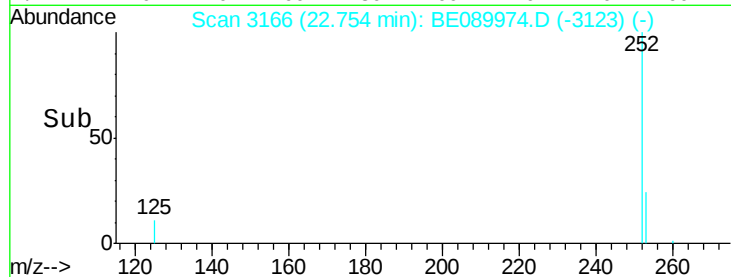
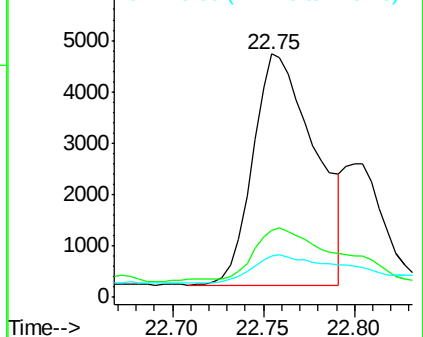
252 100

253 27.6 17.3 25.9#

125 17.1 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: 0.25 ng

RT: 22.75 min Scan# 3166

Delta R.T. -0.05 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

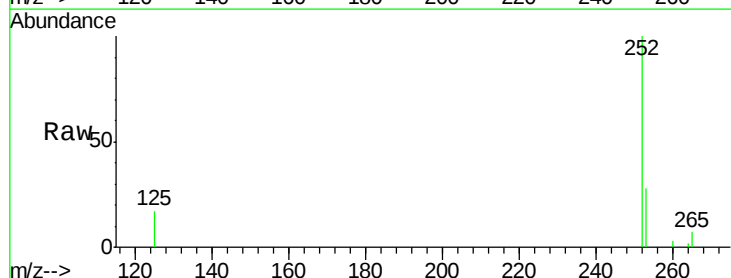
Tgt Ion:252 Resp: 10720

Ion Ratio Lower Upper

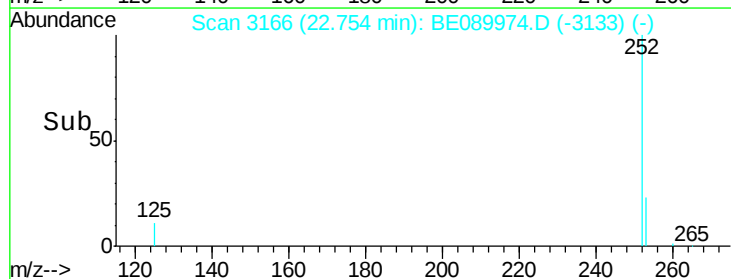
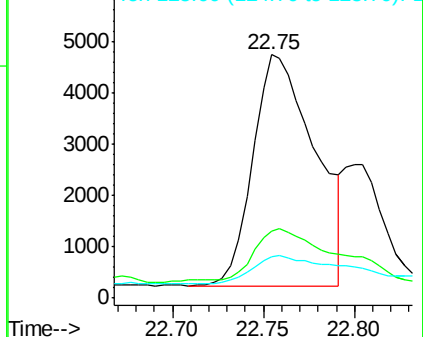
252 100

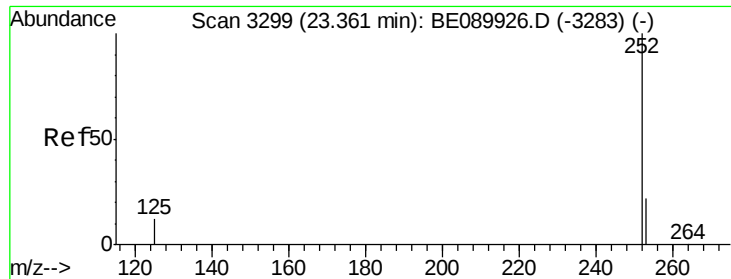
253 27.6 17.9 26.9#

125 17.1 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: 0.19 ng

RT: 23.36 min Scan# 3299

Delta R.T. -0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624

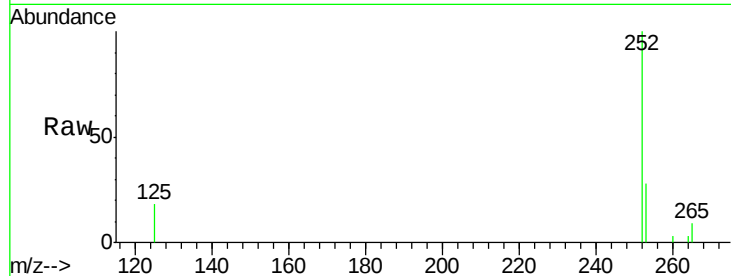
Tgt Ion:252 Resp: 6385

Ion Ratio Lower Upper

252 100

253 27.8 17.8 26.6#

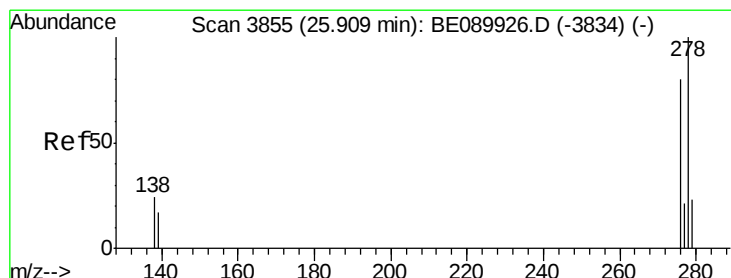
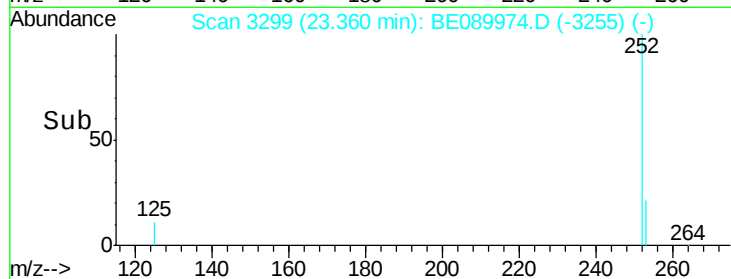
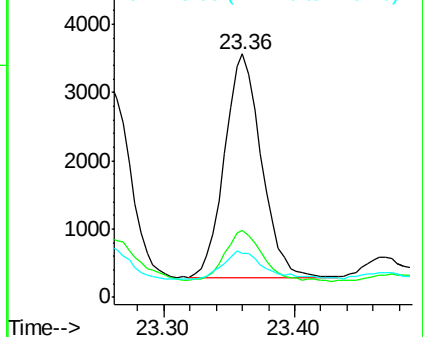
125 18.1 10.3 15.5#



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: 0.04 ng

RT: 25.90 min Scan# 3853

Delta R.T. -0.01 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

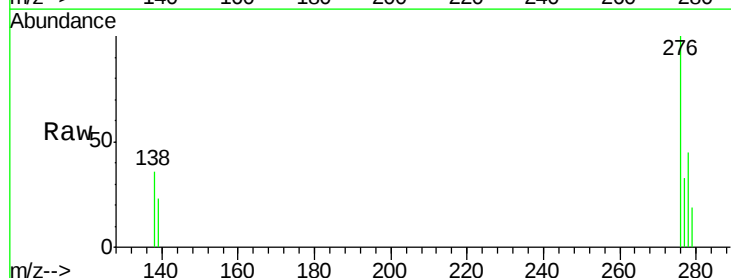
Tgt Ion:278 Resp: 1319

Ion Ratio Lower Upper

278 100

139 51.4 14.1 21.1#

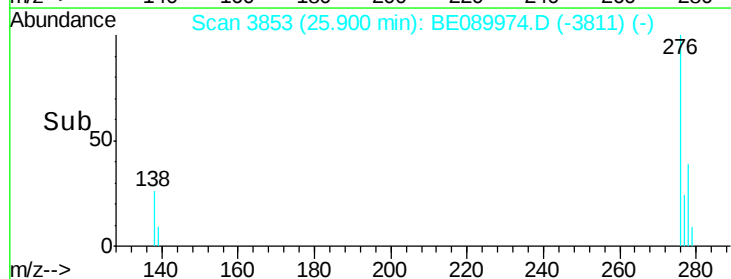
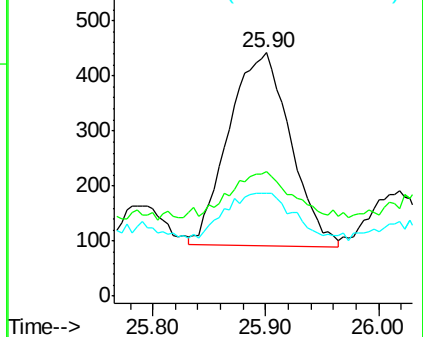
279 42.5 19.0 28.6#

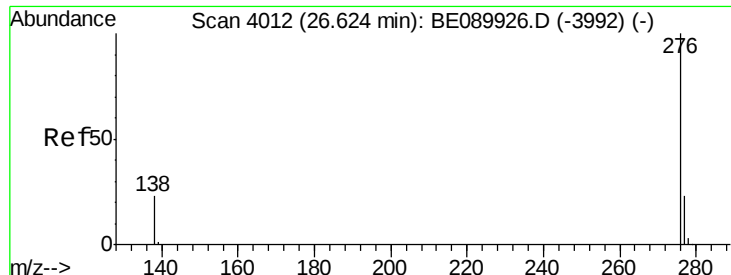


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.16 ng

RT: 26.62 min Scan# 4011

Delta R.T. -0.00 min

Lab File: BE089974.D

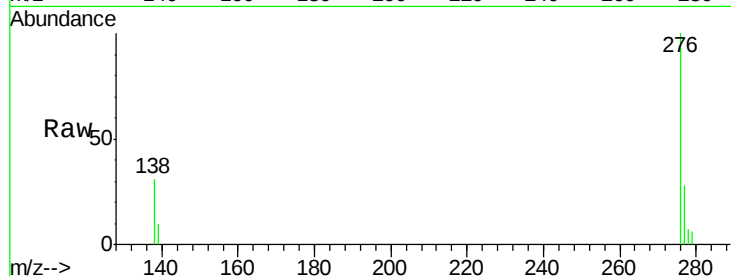
Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624



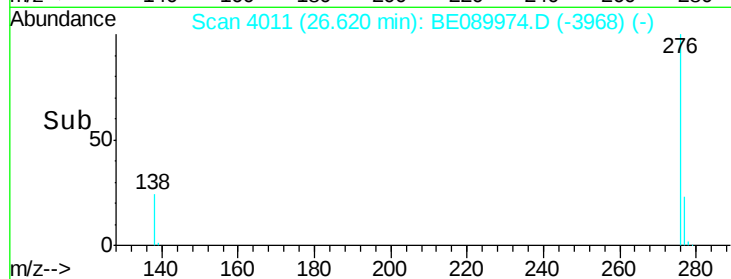
Tgt Ion: 276 Resp: 5387

Ion Ratio Lower Upper

276 100

277 28.0 19.0 28.4

138 30.6 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

