

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089977.D
 Acq On : 27 Jun 2015 15:19
 Operator : TP/IZ
 Sample : G2782-25 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0620006-150624

Quant Time: Jun 29 00:56:59 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	26547	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	130747	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	77039	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	174629	5.00	ng	0.00
25) Chrysene-d12	21.14	240	187927	5.00	ng	0.00
32) Perylene-d12	23.47	264	175887	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	27858	5.81	ng	0.00
5) Phenol-d6	6.81	99	47065	6.41	ng	0.00
7) Nitrobenzene-d5	8.77	82	29559	3.04	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	8638	6.42	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	67756	3.02	ng	0.00
27) Terphenyl-d14	19.60	244	94228	2.90	ng	0.00

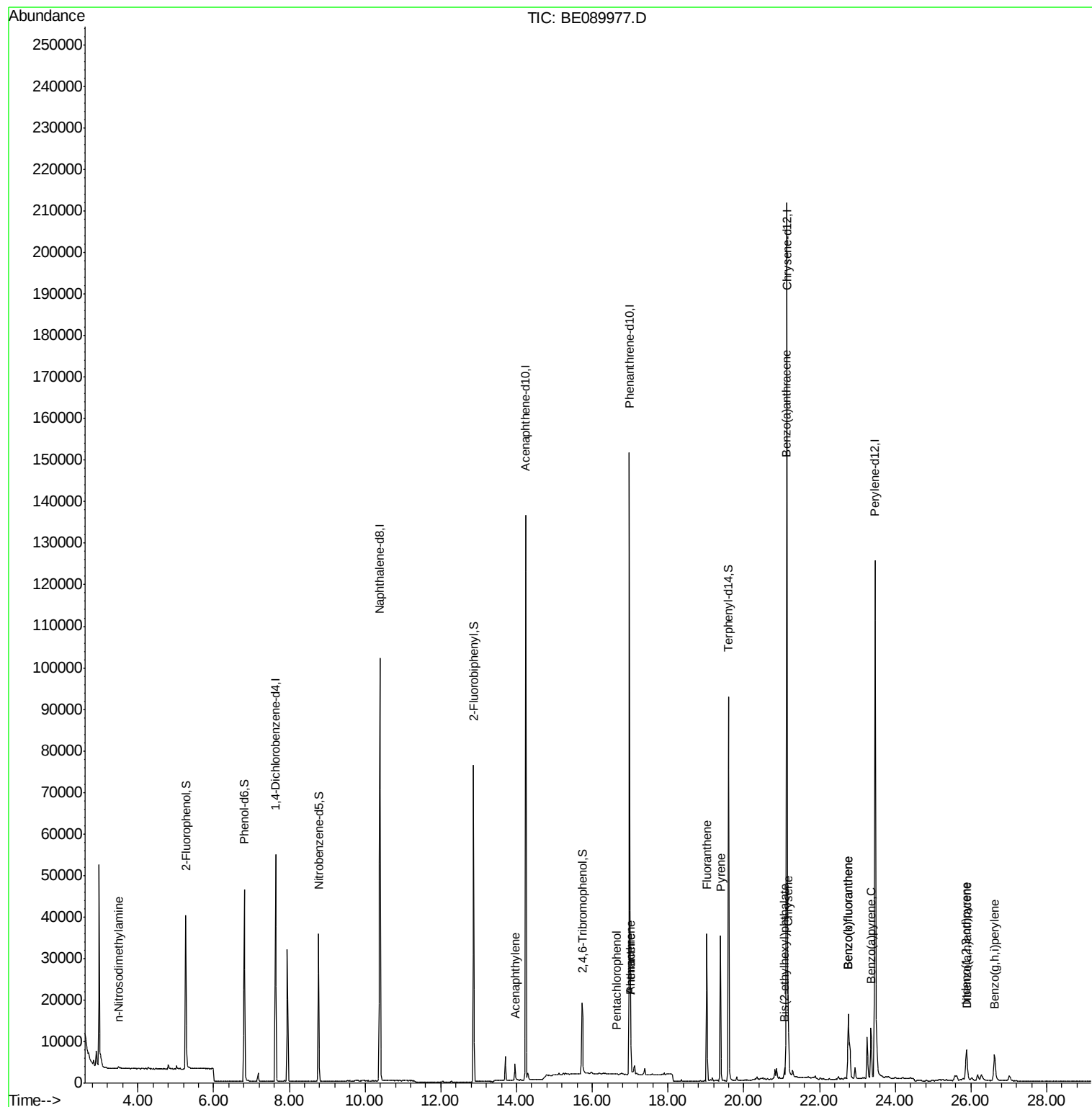
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.48	42	103	0.02	ng	# 1
15) Acenaphthylene	13.96	152	5615	0.04	ng	100
21) Pentachlorophenol	16.65	266	71	0.48	ng	# 77
22) Phenanthrene	17.01	178	11258	0.26	ng	99
23) Anthracene	17.01	178	11199	0.28	ng	98
24) Fluoranthene	19.02	202	32473	0.68	ng	100
26) Pyrene	19.38	202	30024	0.63	ng	97
28) Benzo(a)anthracene	21.12	228	19981	0.45	ng	97
29) Chrysene	21.17	228	22181	0.45	ng	97
30) Bis(2-ethylhexyl)phthalate	21.07	149	2386	0.62	ng	# 91
31) Indeno(1,2,3-cd)pyrene	25.87	276	13618	0.38	ng	# 100
33) Benzo(b)fluoranthene	22.75	252	27392	0.74	ng	96
34) Benzo(k)fluoranthene	22.75	252	27392	0.65	ng	97
35) Benzo(a)pyrene	23.36	252	17722	0.54	ng	96
36) Dibenzo(a,h)anthracene	25.90	278	3299	0.11	ng	# 79
37) Benzo(g,h,i)perylene	26.63	276	14725	0.44	ng	98

(#) = 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: BE089977.D

Acq: 27 Jun 2015 15:19

Instrument :

BNA_E

ClientSampleId :

X1SS0620006-150624

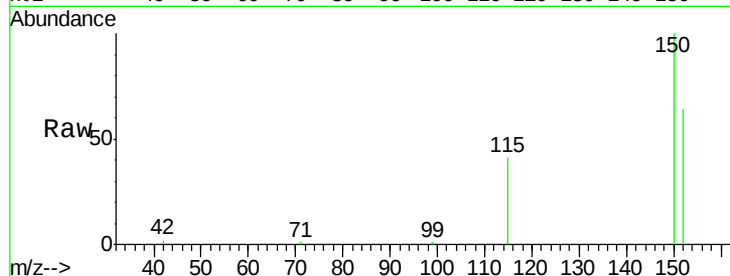
Tgt Ion:152 Resp: 26547

Ion Ratio Lower Upper

152 100

150 156.4 124.6 186.8

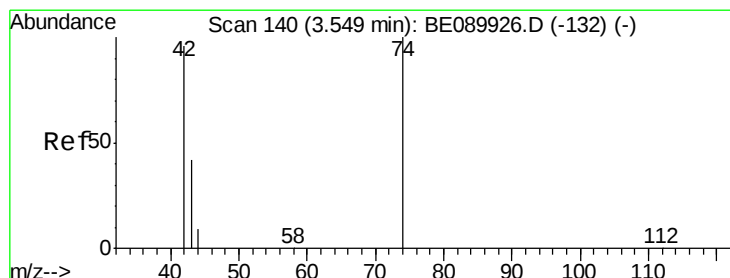
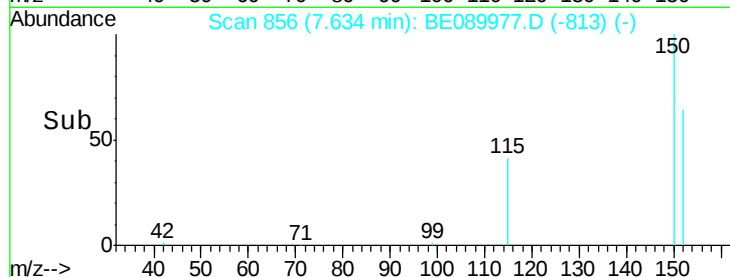
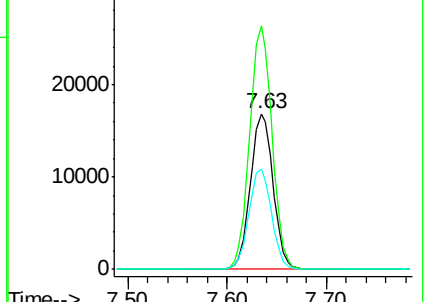
115 64.4 51.6 77.4



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



#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.48 min Scan# 130

Delta R.T. -0.07 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

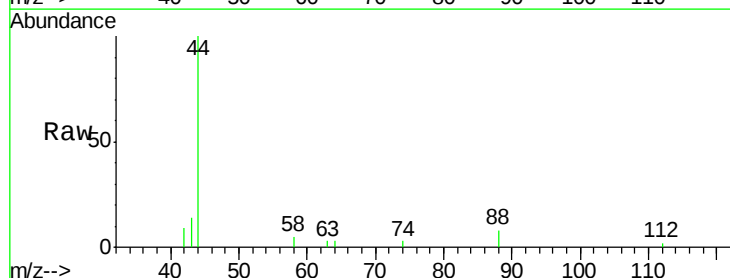
Tgt Ion: 42 Resp: 103

Ion Ratio Lower Upper

42 100

74 0.0 85.4 128.2#

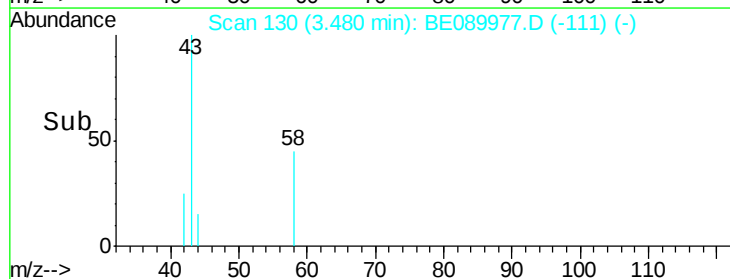
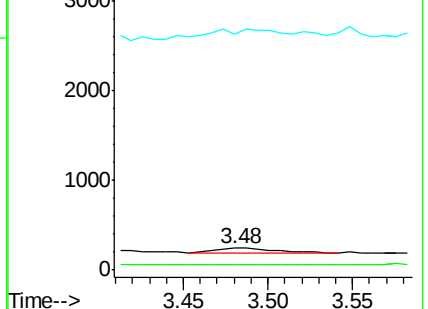
44 159.2 8.4 12.6#

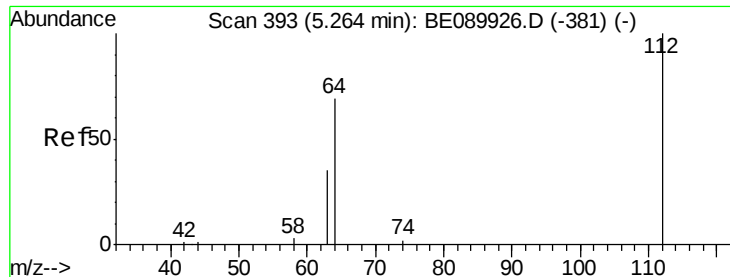


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.81 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

Instrument :

BNA_E

ClientSampleId :

X1SS0620006-150624

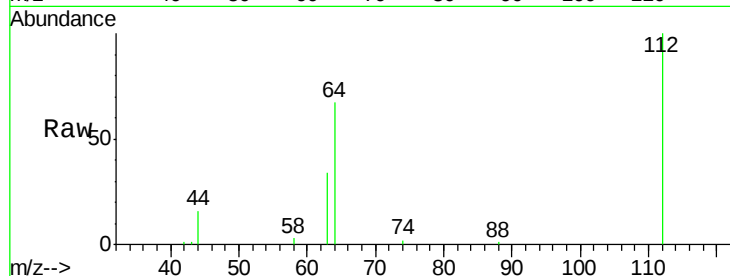
Tgt Ion: 112 Resp: 27858

Ion Ratio Lower Upper

112 100

64 72.5 57.4 86.2

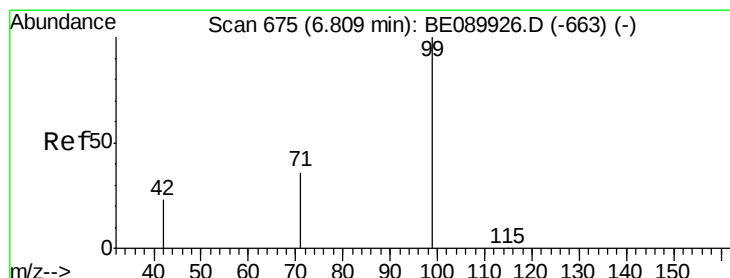
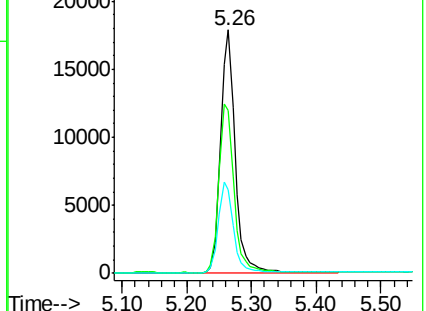
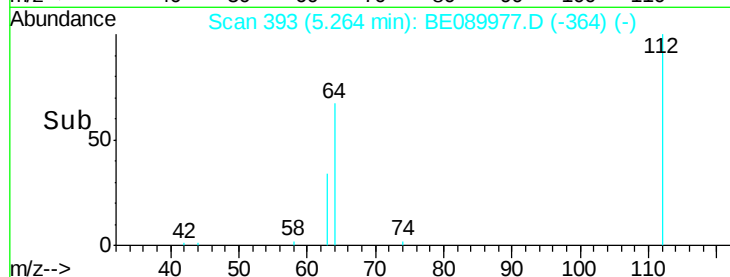
63 37.9 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): BE089977.D (-364) (-)

Ion 64.00 (63.70 to 64.70): BE089977.D (-364) (-)

Ion 63.00 (62.70 to 63.70): BE089977.D (-364) (-)



#5

Phenol-d6

Concen: 6.41 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

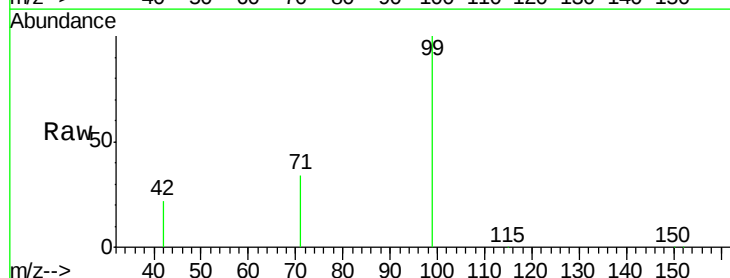
Tgt Ion: 99 Resp: 47065

Ion Ratio Lower Upper

99 100

42 22.3 19.5 29.3

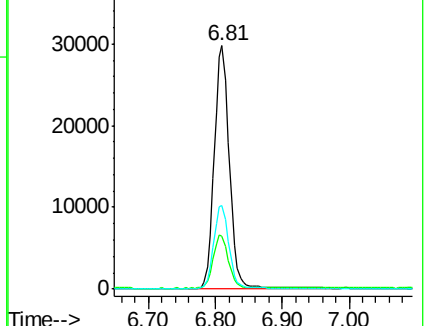
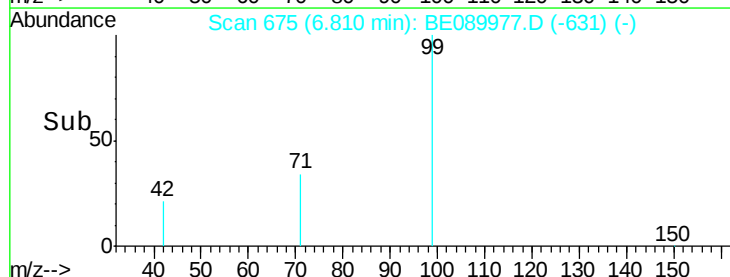
71 34.2 27.8 41.6

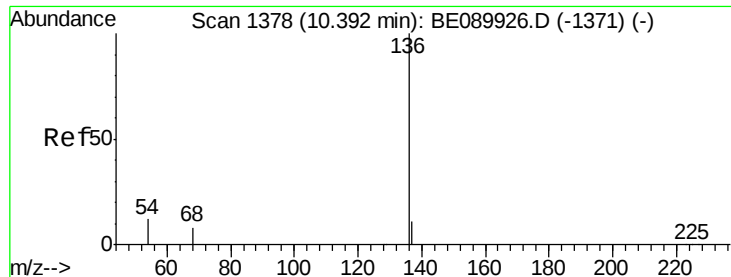


Abundance Ion 99.00 (98.70 to 99.70): BE089977.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BE089977.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BE089977.D (-631) (-)





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

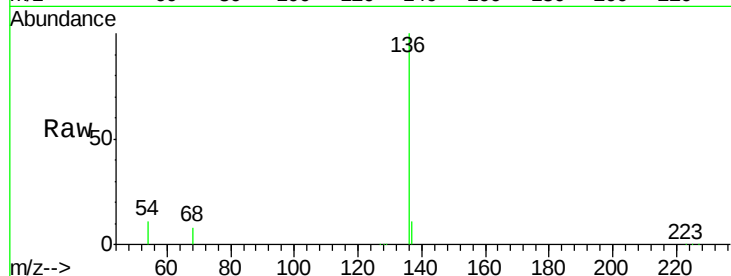
Instrument :

BNA_E

ClientSampleId :

X1SS0620006-150624

Tgt Ion:	136	Resp:	130747
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	10.9	9.7	14.5
68	7.6	6.5	9.7

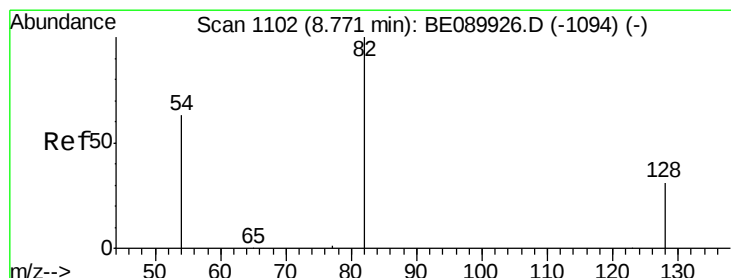
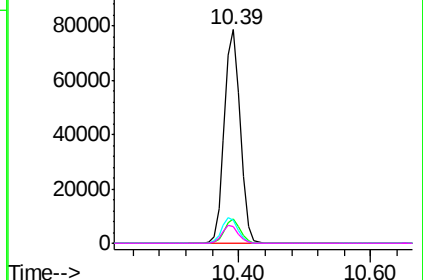
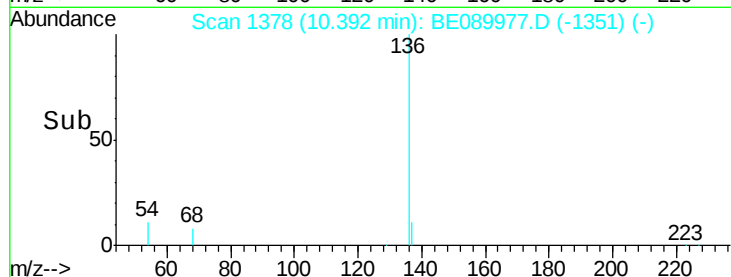


Abundance Ion 136.00 (135.70 to 136.70): BE089977.D (-1351) (-)

Ion 137.00 (136.70 to 137.70): BE089977.D (-1351) (-)

Ion 54.00 (53.70 to 54.70): BE089977.D (-1351) (-)

Ion 68.00 (67.70 to 68.70): BE089977.D (-1351) (-)



#7

Nitrobenzene-d5

Concen: 3.04 ng

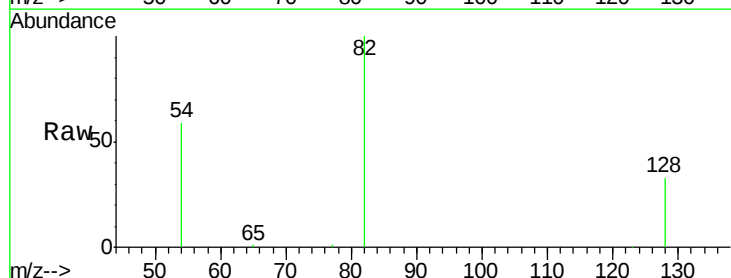
RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

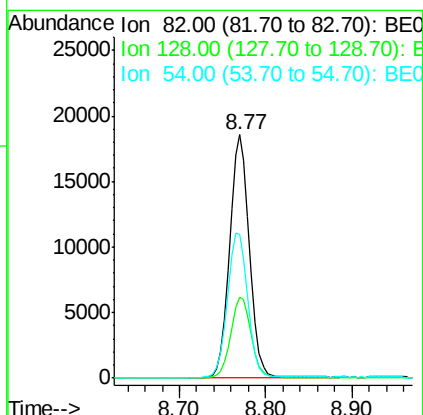
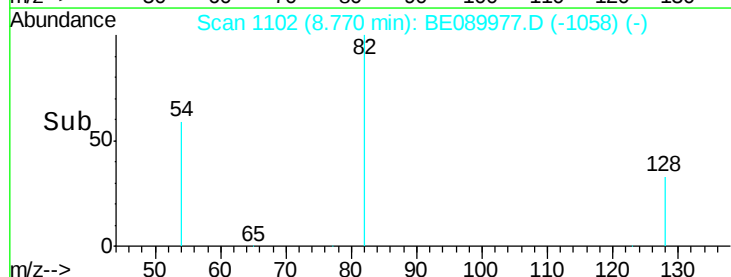
Tgt Ion:	82	Resp:	29559
Ion	Ratio	Lower	Upper
82	100		
128	33.3	25.6	38.4
54	58.9	51.2	76.8

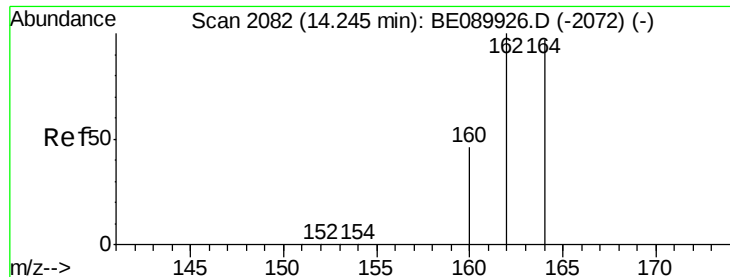


Abundance Ion 82.00 (81.70 to 82.70): BE089977.D (-1058) (-)

Ion 128.00 (127.70 to 128.70): BE089977.D (-1058) (-)

Ion 54.00 (53.70 to 54.70): BE089977.D (-1058) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

Instrument :

BNA_E

ClientSampleId :

X1SS0620006-150624

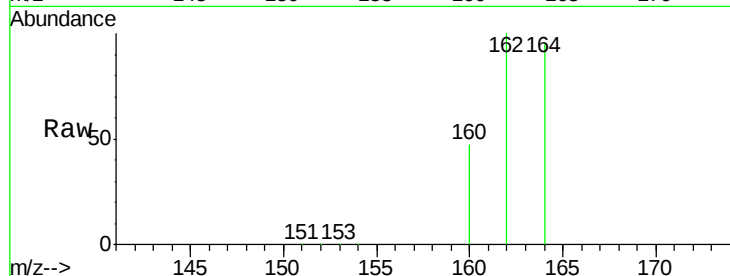
Tgt Ion:164 Resp: 77039

Ion Ratio Lower Upper

164 100

162 105.1 82.7 124.1

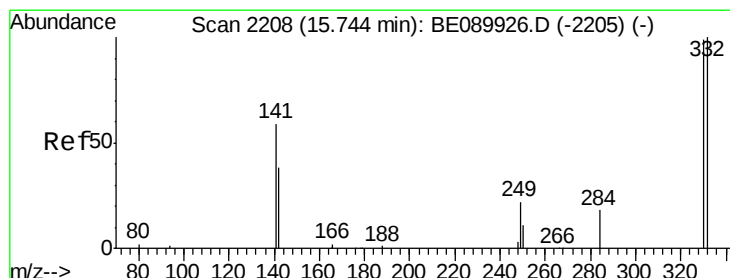
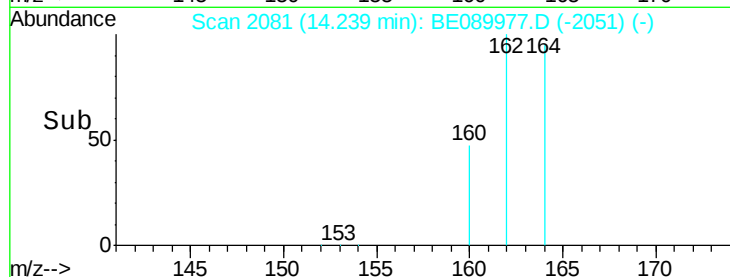
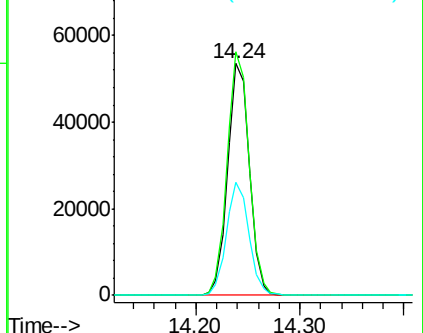
160 49.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 6.42 ng

RT: 15.74 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

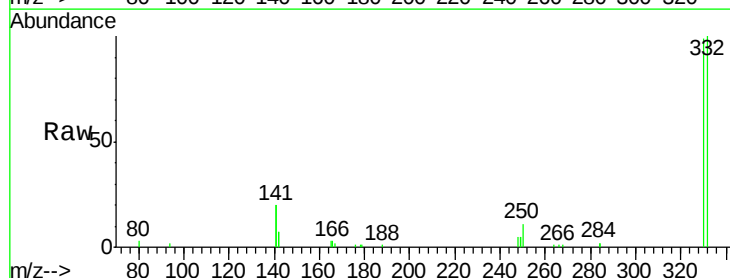
Tgt Ion:330 Resp: 8638

Ion Ratio Lower Upper

330 100

332 96.6 77.9 116.9

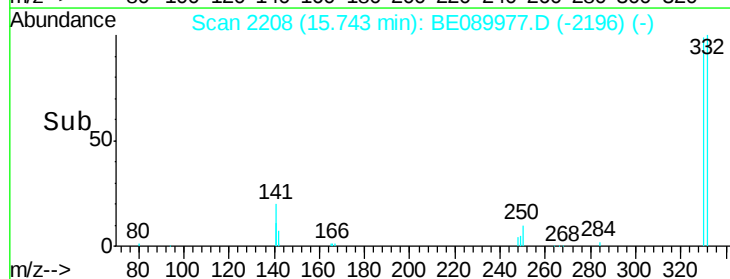
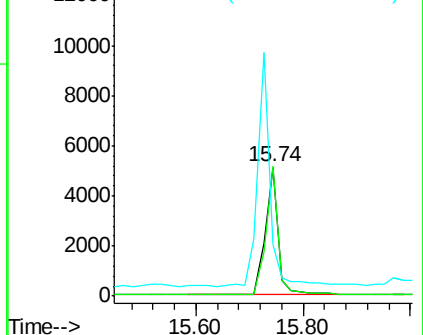
141 169.0 142.8 214.2

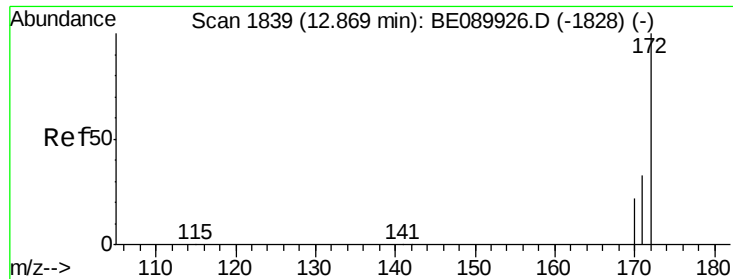


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

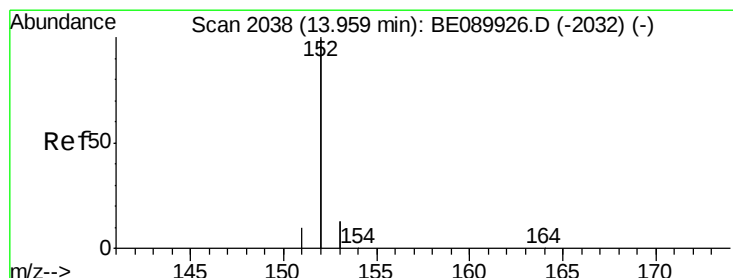
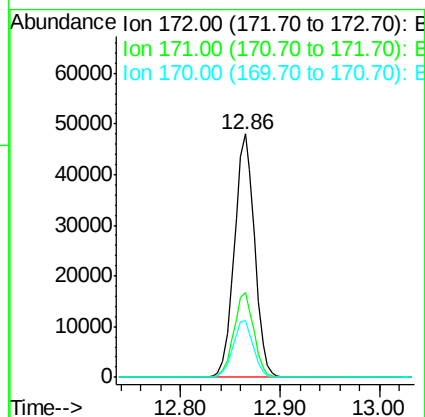
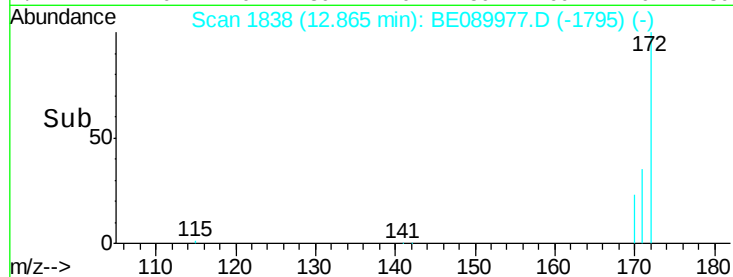
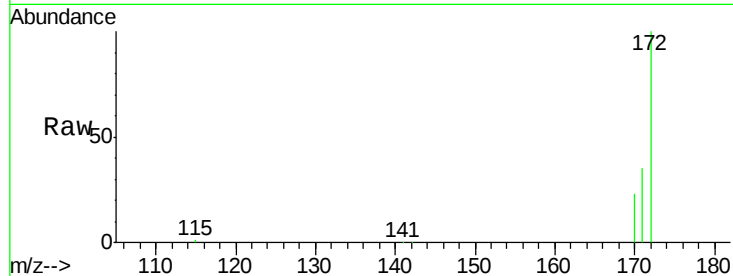




#14
2-Fluorobiphenyl
Concen: 3.02 ng
RT: 12.86 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BE089977.D
Acq: 27 Jun 2015 15:19

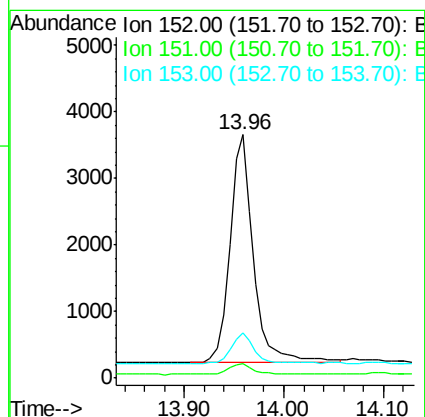
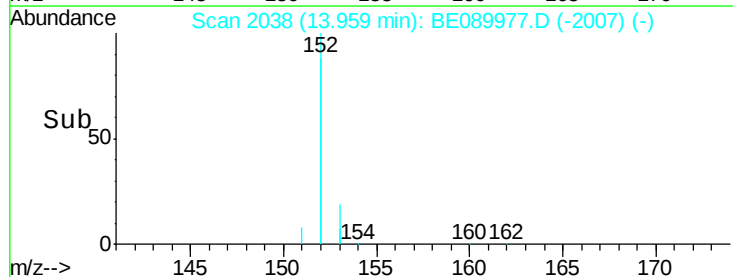
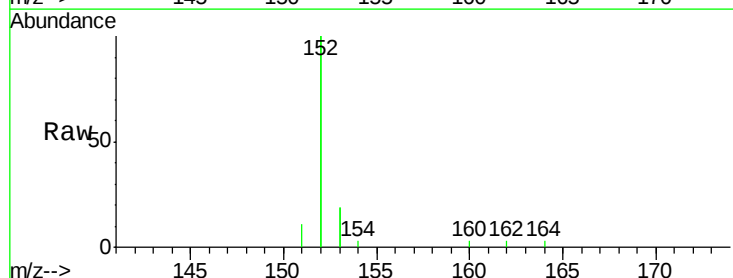
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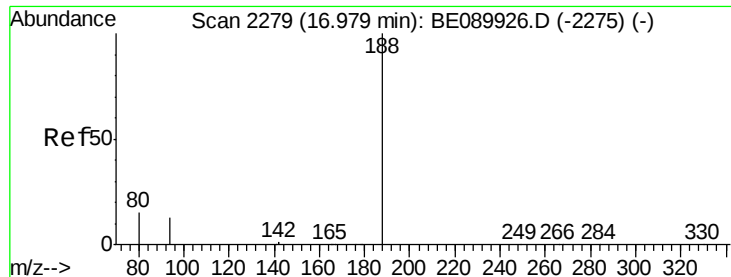
Tgt Ion:172 Resp: 67756
Ion Ratio Lower Upper
172 100
171 34.9 26.7 40.1
170 23.3 17.5 26.3



#15
Acenaphthylene
Concen: 0.04 ng
RT: 13.96 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BE089977.D
Acq: 27 Jun 2015 15:19

Tgt Ion:152 Resp: 5615
Ion Ratio Lower Upper
152 100
151 5.0 3.9 5.9
153 12.9 10.4 15.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.98 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

Instrument :

BNA_E

ClientSampleId :

X1SS0620006-150624

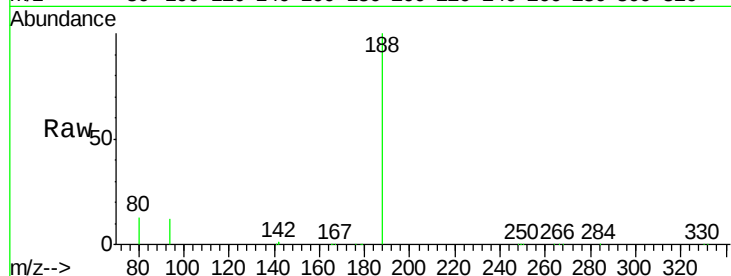
Tgt Ion:188 Resp: 174629

Ion Ratio Lower Upper

188 100

94 12.1 10.6 16.0

80 13.2 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

150000

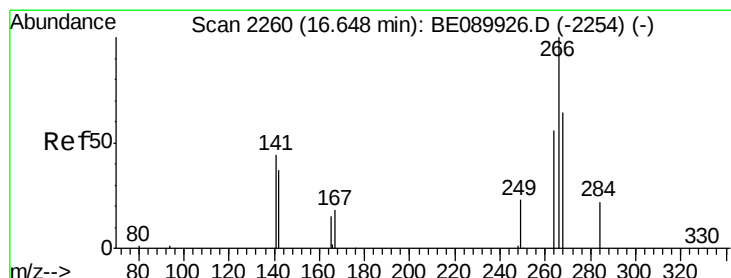
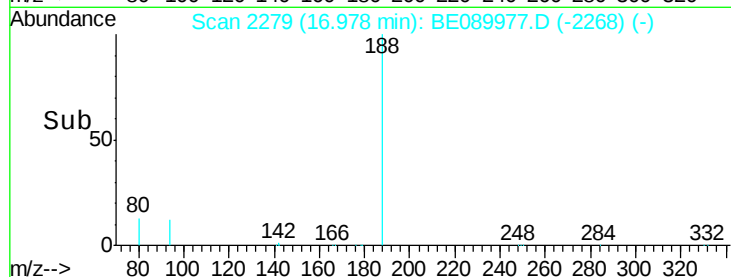
100000

50000

0

16.90 17.00

Time-->



#21

Pentachlorophenol

Concen: 0.48 ng

RT: 16.65 min Scan# 2260

Delta R.T. -0.00 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

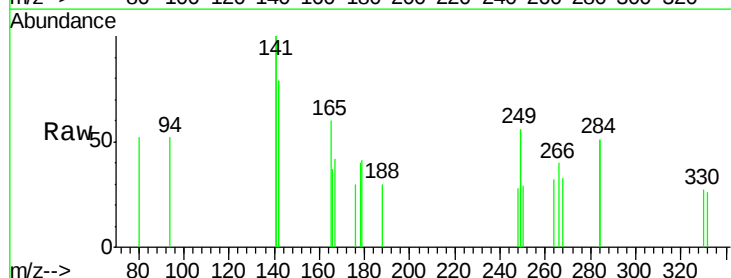
Tgt Ion:266 Resp: 71

Ion Ratio Lower Upper

266 100

268 83.8 54.4 81.6#

264 81.1 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

100

80

60

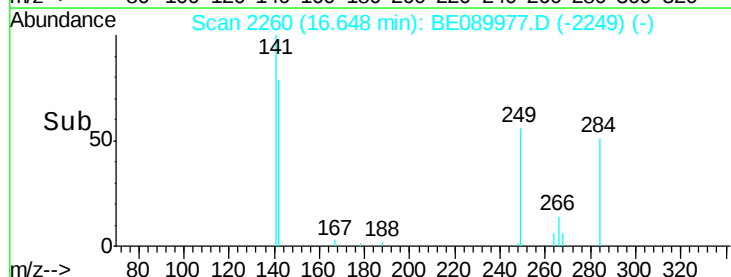
40

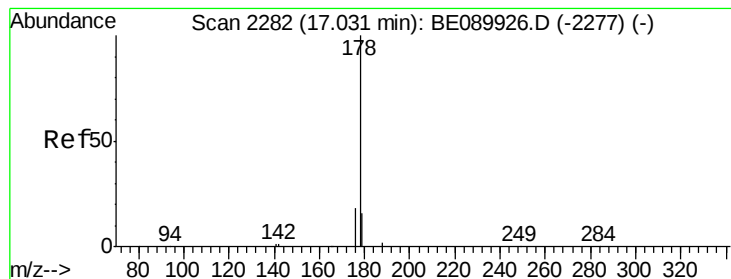
20

0

16.50 16.60 16.70 16.80

Time-->





#22

Phenanthrene

Concen: 0.26 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

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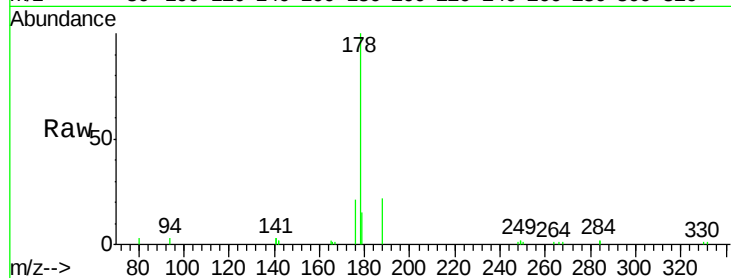
Tgt Ion:178 Resp: 11258

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

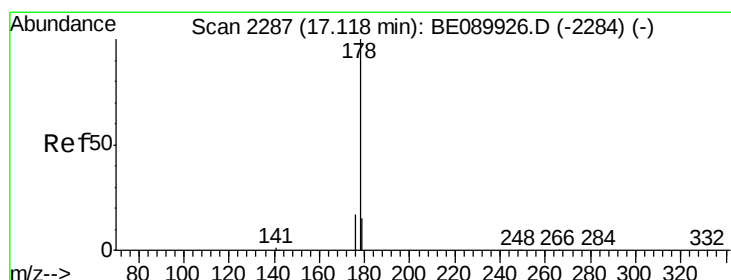
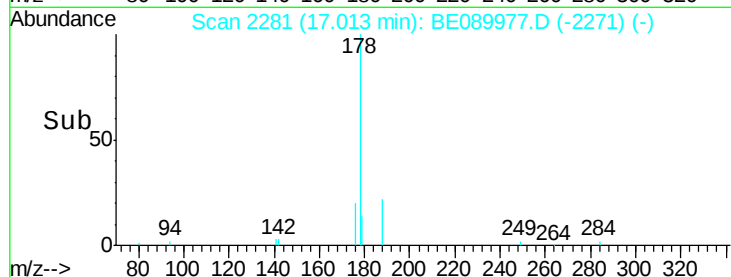
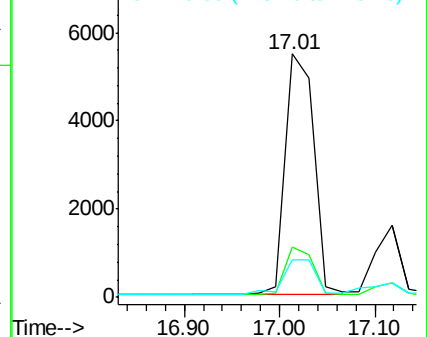
179 16.6 12.6 19.0



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



#23

Anthracene

Concen: 0.28 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.10 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

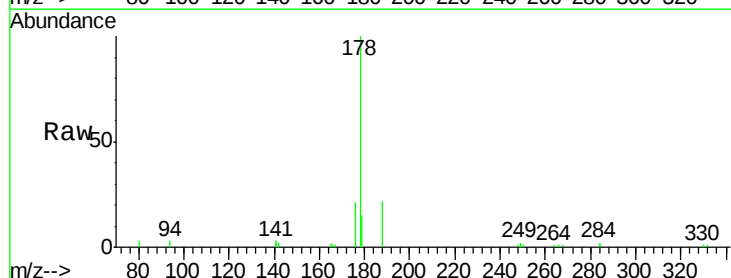
Tgt Ion:178 Resp: 11199

Ion Ratio Lower Upper

178 100

176 19.4 14.6 21.8

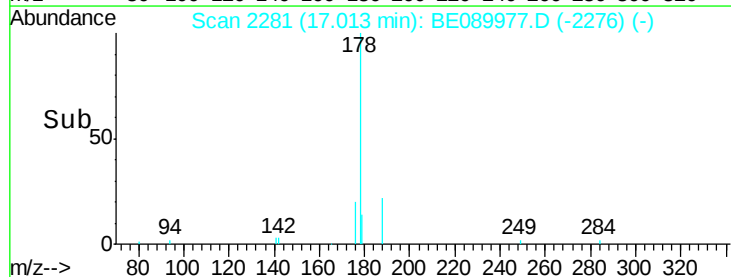
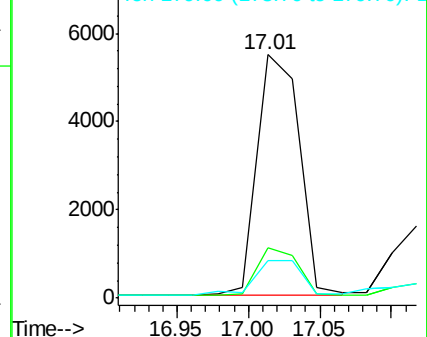
179 16.3 12.3 18.5

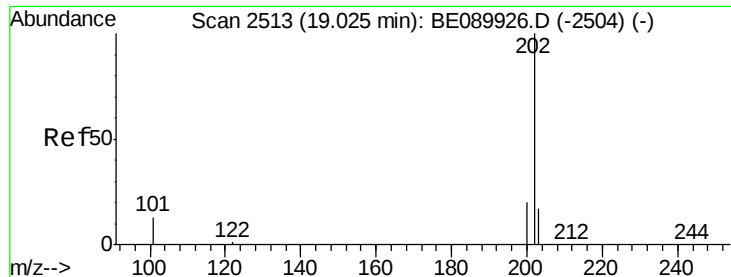


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

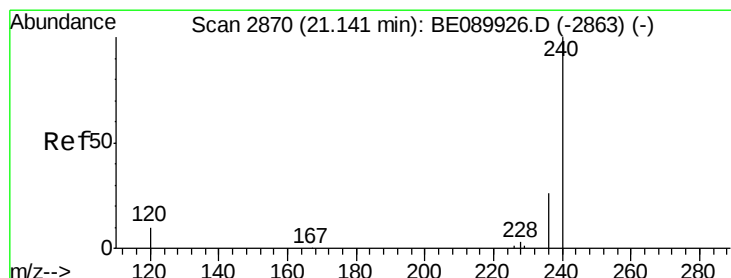
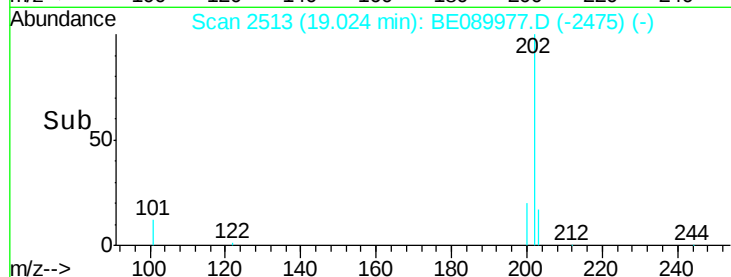
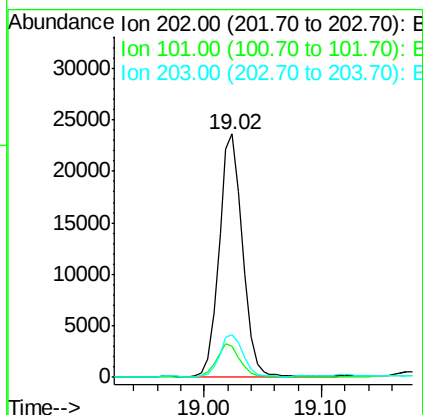
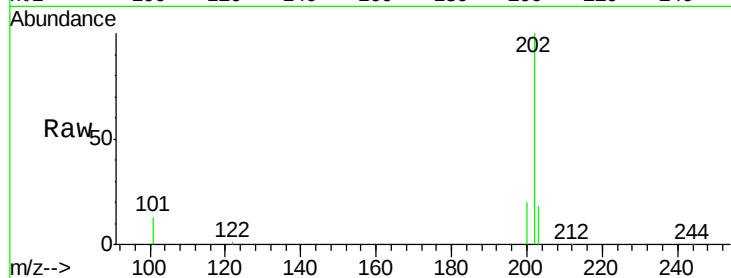




#24
 Fluoranthene
 Concen: 0.68 ng
 RT: 19.02 min Scan# 2513
 Delta R.T. -0.00 min
 Lab File: BE089977.D
 Acq: 27 Jun 2015 15:19

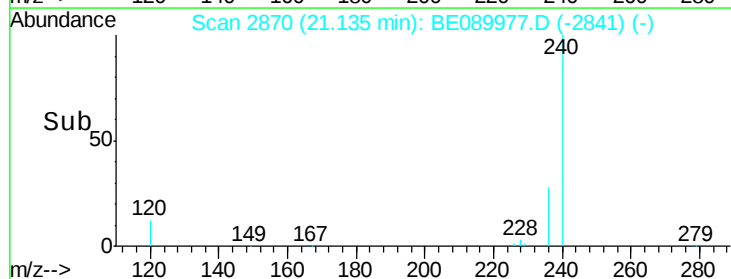
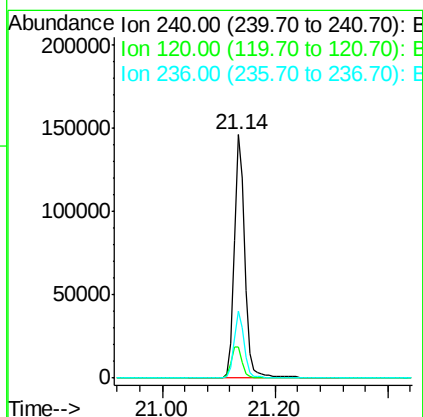
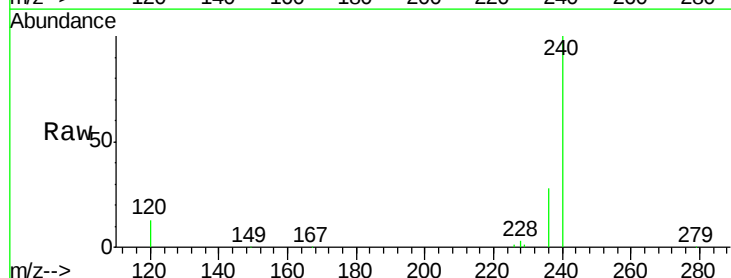
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0620006-150624

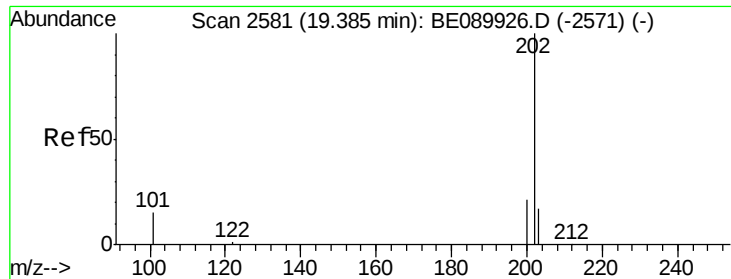
Tgt Ion:202 Resp: 32473
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.6 16.0
 203 17.1 13.8 20.8



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.14 min Scan# 2870
 Delta R.T. -0.01 min
 Lab File: BE089977.D
 Acq: 27 Jun 2015 15:19

Tgt Ion:240 Resp: 187927
 Ion Ratio Lower Upper
 240 100
 120 12.6 7.9 11.9#
 236 27.7 21.2 31.8

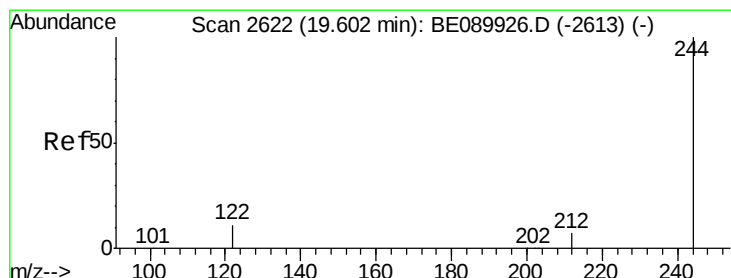
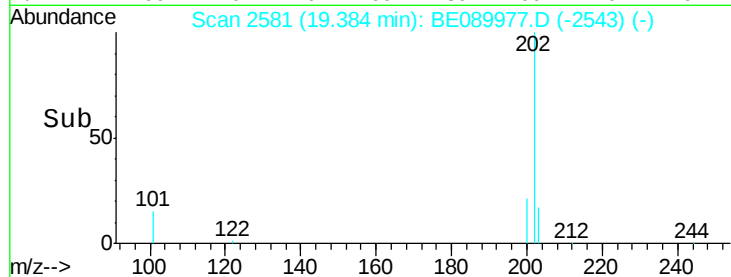
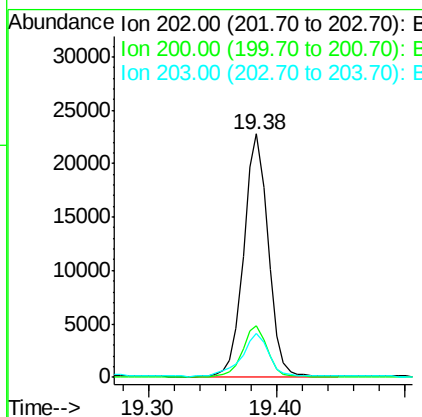
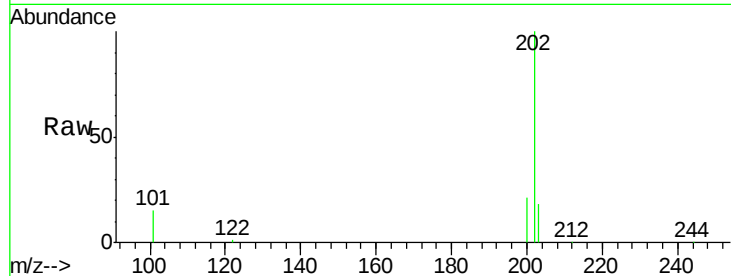




#26
 Pyrene
 Concen: 0.63 ng
 RT: 19.38 min Scan# 2581
 Delta R.T. -0.00 min
 Lab File: BE089977.D
 Acq: 27 Jun 2015 15:19

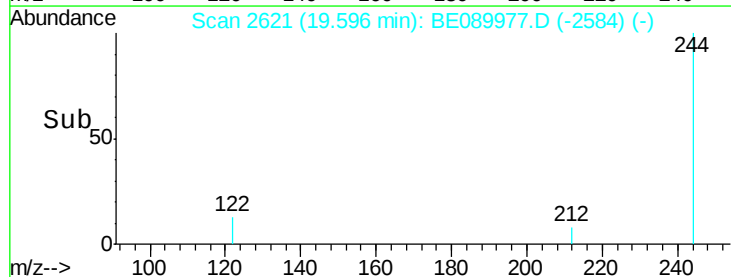
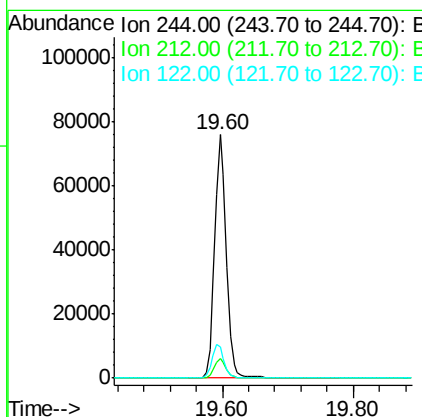
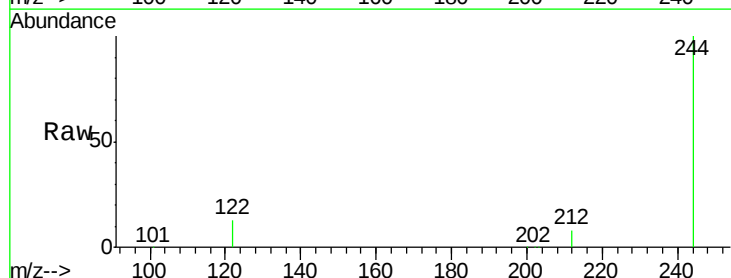
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0620006-150624

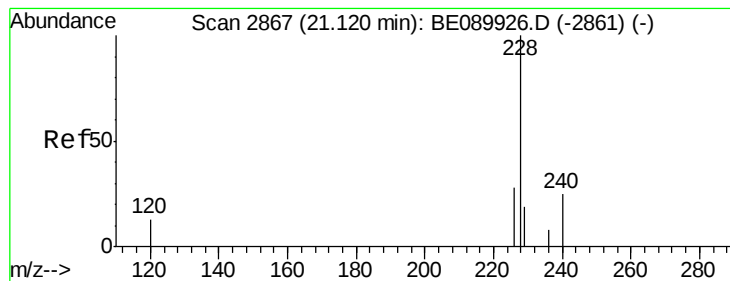
Tgt Ion: 202 Resp: 30024
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 25.0
 203 19.9 13.9 20.9



#27
 Terphenyl-d14
 Concen: 2.90 ng
 RT: 19.60 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BE089977.D
 Acq: 27 Jun 2015 15:19

Tgt Ion: 244 Resp: 94228
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.1 9.1
 122 13.0 8.7 13.1





#28

Benzo(a)anthracene

Concen: 0.45 ng

RT: 21.12 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

Instrument :

BNA_E

ClientSampleId :

X1SS0620006-150624

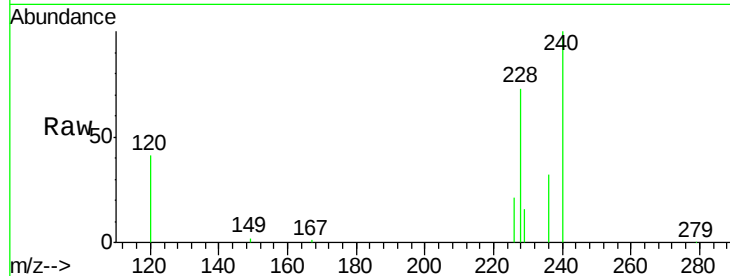
Tgt Ion:228 Resp: 19981

Ion Ratio Lower Upper

228 100

226 29.0 22.2 33.4

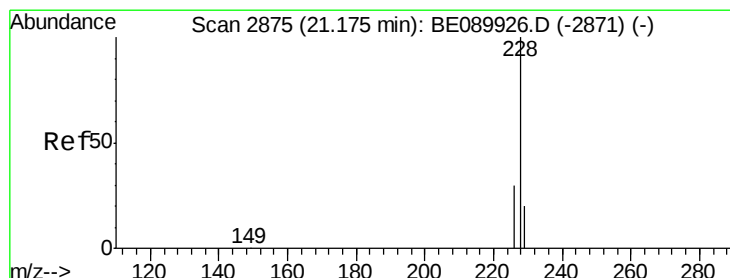
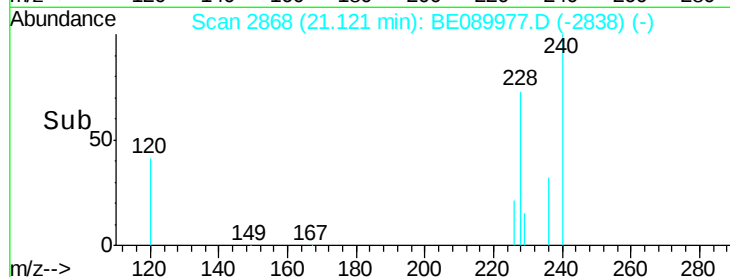
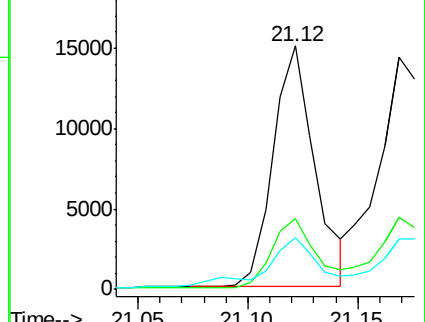
229 21.3 15.3 22.9



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: 0.45 ng

RT: 21.17 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

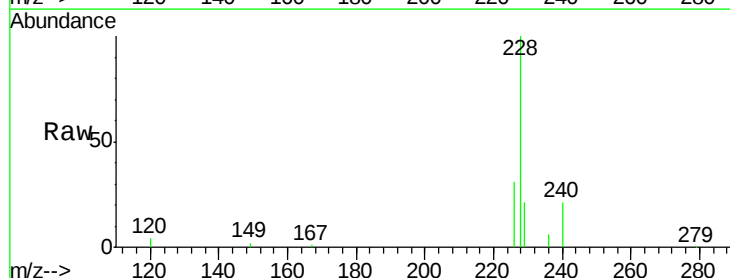
Tgt Ion:228 Resp: 22181

Ion Ratio Lower Upper

228 100

226 31.0 23.7 35.5

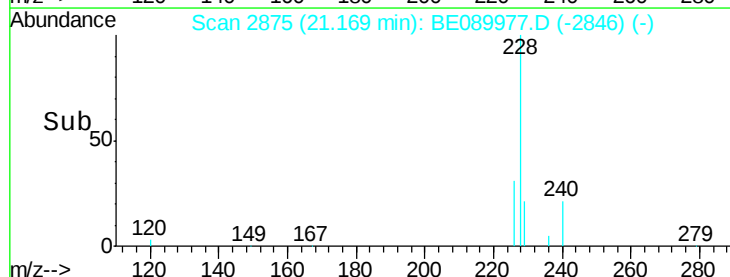
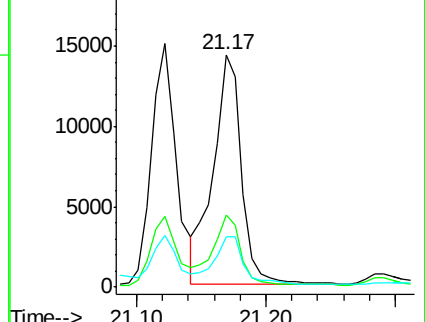
229 21.5 15.8 23.8

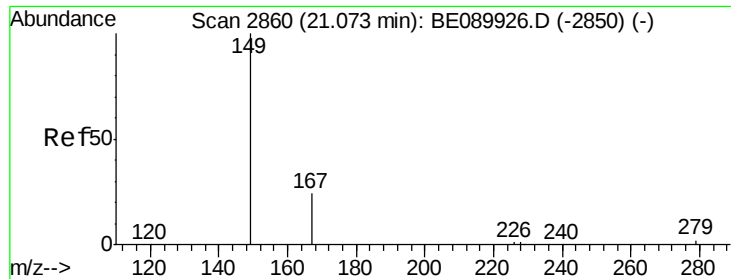


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

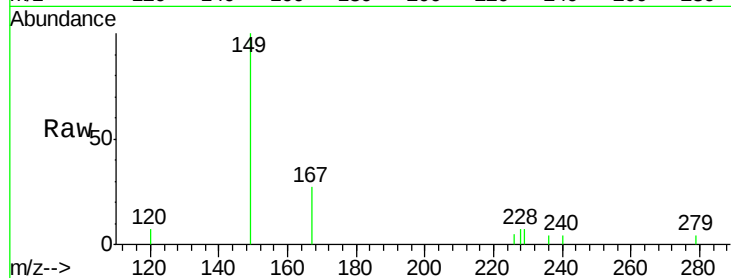




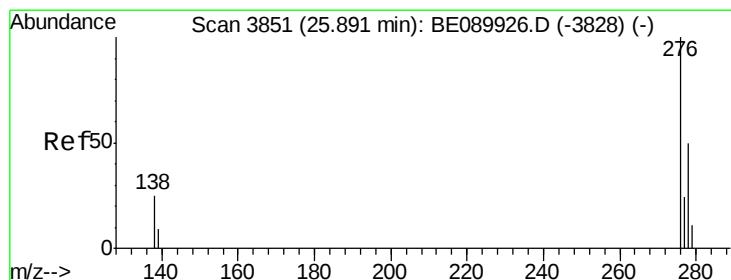
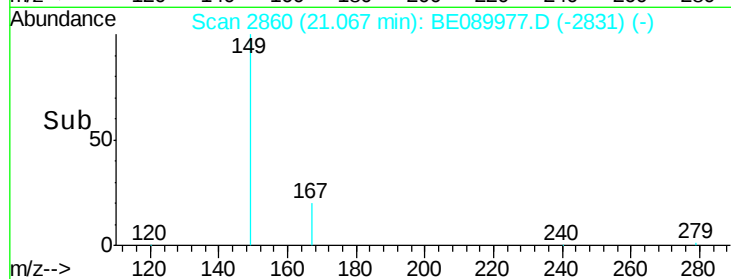
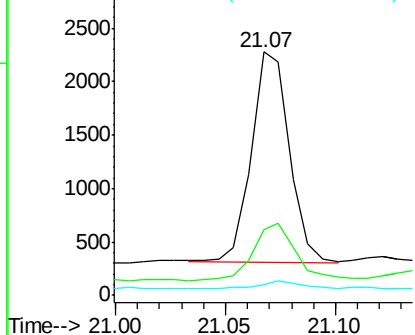
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.62 ng
 RT: 21.07 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BE089977.D
 Acq: 27 Jun 2015 15:19

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0620006-150624

Tgt Ion:149 Resp: 2386
 Ion Ratio Lower Upper
 149 100
 167 30.7 20.3 30.5#
 279 3.6 2.7 4.1

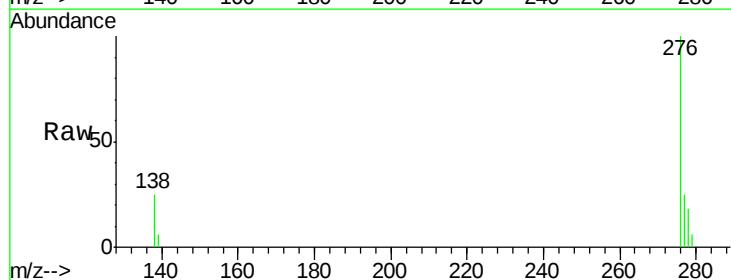


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

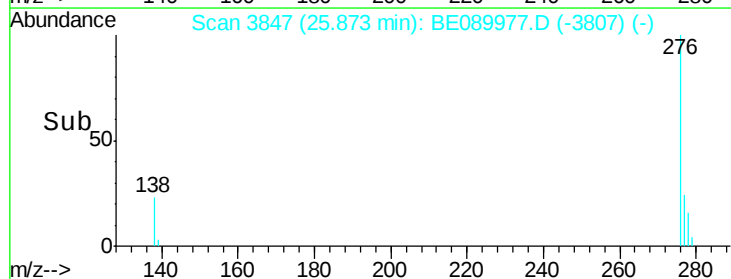
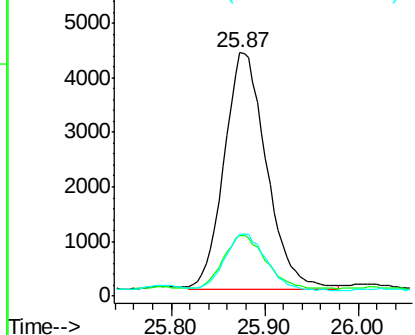


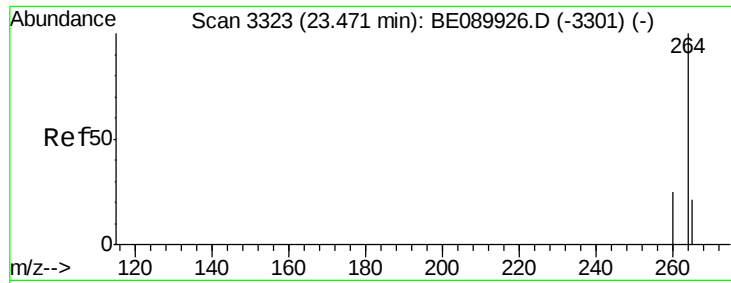
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.38 ng
 RT: 25.87 min Scan# 3847
 Delta R.T. -0.02 min
 Lab File: BE089977.D
 Acq: 27 Jun 2015 15:19

Tgt Ion:276 Resp: 13618
 Ion Ratio Lower Upper
 276 100
 138 22.8 0.0 0.0#
 277 23.4 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# 3322

Delta R.T. -0.01 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

Instrument :

BNA_E

ClientSampleId :

X1SS0620006-150624

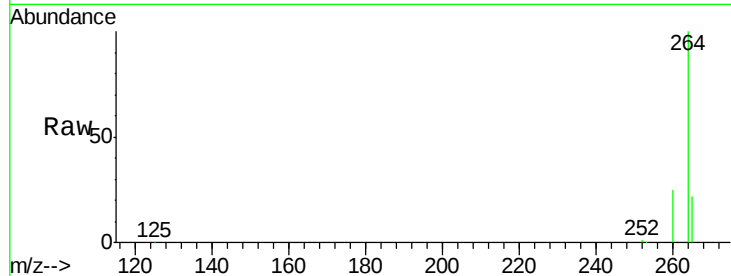
Tgt Ion:264 Resp: 175887

Ion Ratio Lower Upper

264 100

260 25.3 19.8 29.6

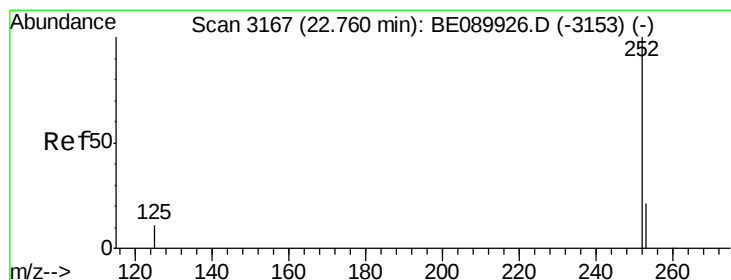
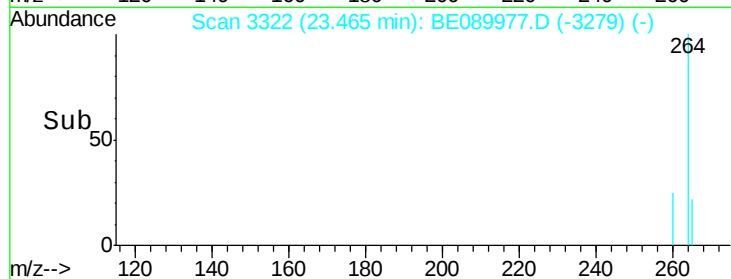
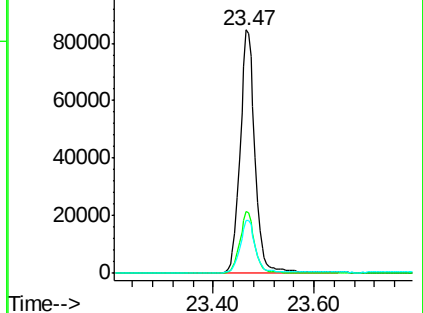
265 22.0 17.3 25.9



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: 0.74 ng

RT: 22.75 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

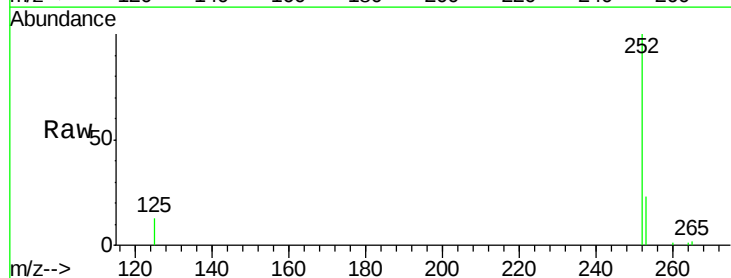
Tgt Ion:252 Resp: 27392

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

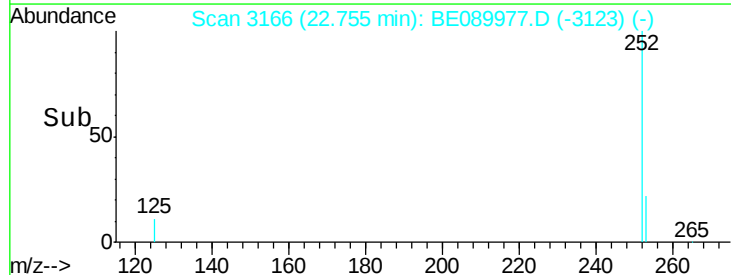
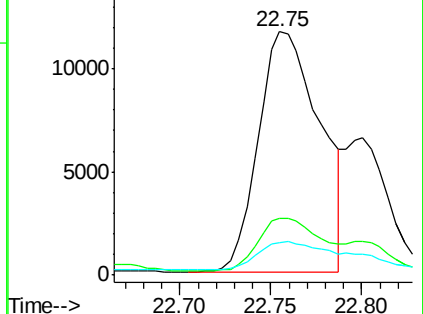
125 13.4 9.3 13.9

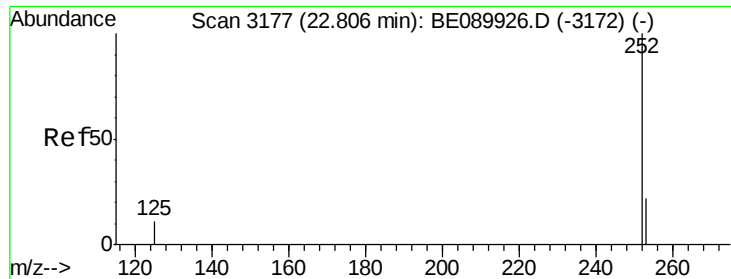


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#34

Benzo(k)fluoranthene

Concen: 0.65 ng

RT: 22.75 min Scan# 3166

Delta R.T. -0.05 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

Instrument :

BNA_E

ClientSampleId :

X1SS0620006-150624

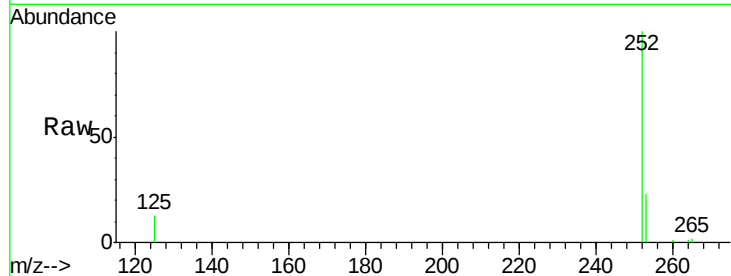
Tgt Ion:252 Resp: 27392

Ion Ratio Lower Upper

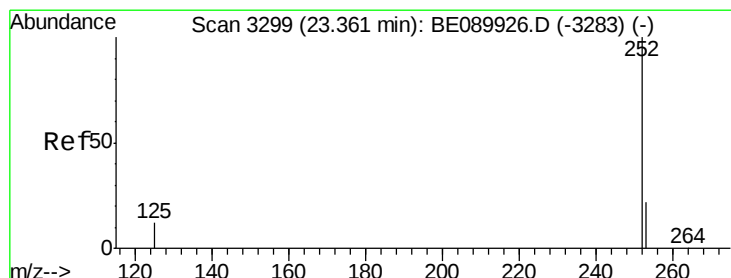
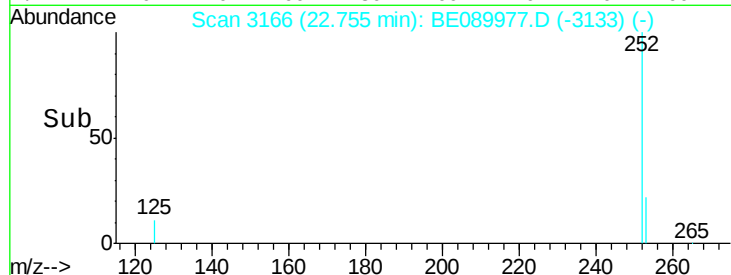
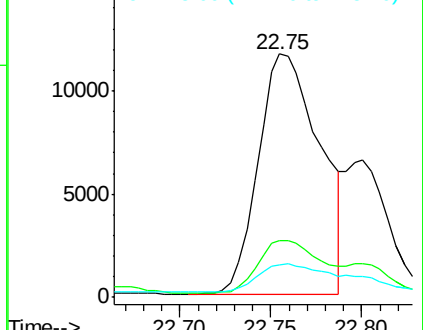
252 100

253 23.4 17.9 26.9

125 13.4 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: 0.54 ng

RT: 23.36 min Scan# 3299

Delta R.T. -0.00 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

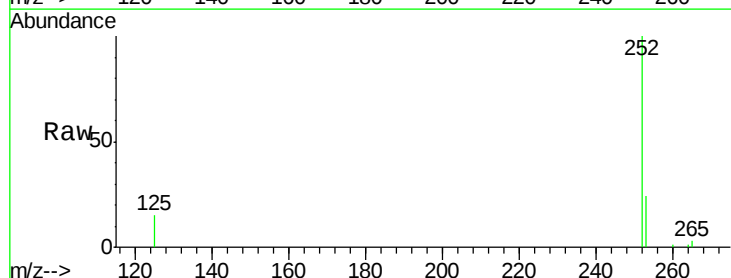
Tgt Ion:252 Resp: 17722

Ion Ratio Lower Upper

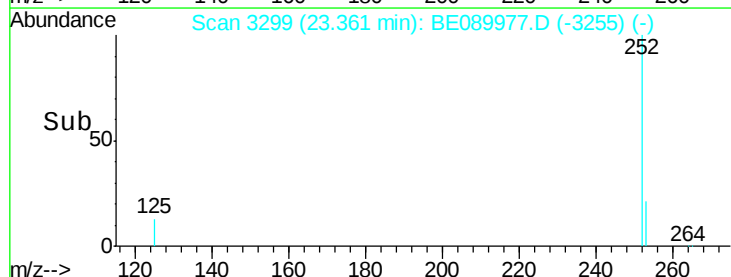
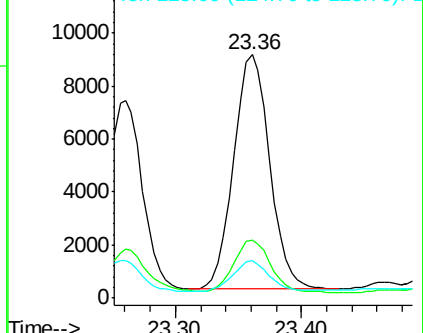
252 100

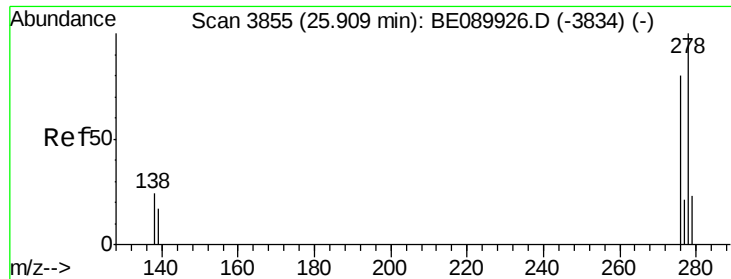
253 23.7 17.8 26.6

125 15.3 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: 0.11 ng

RT: 25.90 min Scan# 3852

Delta R.T. -0.01 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

Instrument :

BNA_E

ClientSampleId :

X1SS0620006-150624

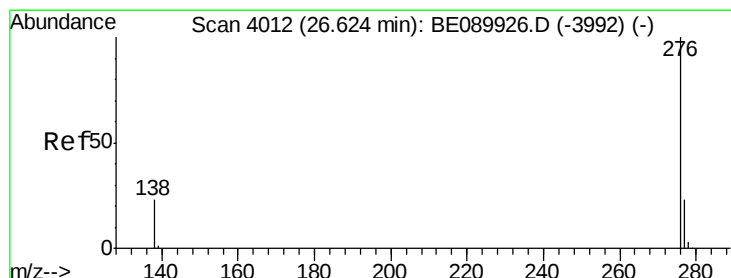
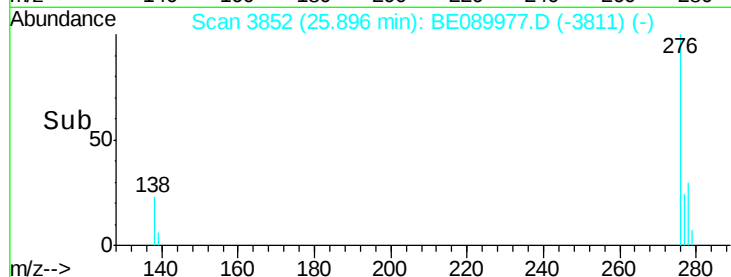
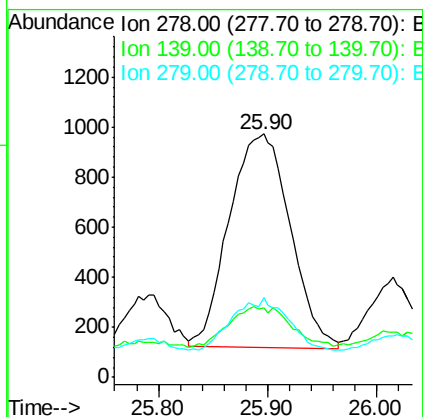
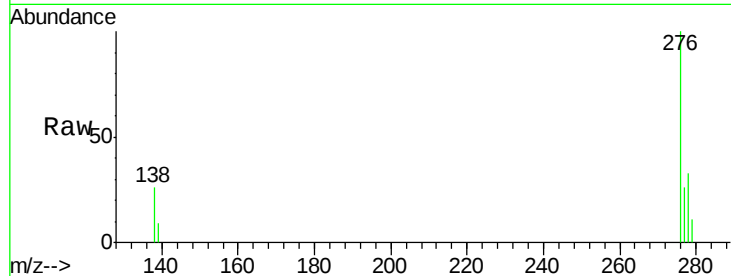
Tgt Ion:278 Resp: 3299

Ion Ratio Lower Upper

278 100

139 28.5 14.1 21.1#

279 32.7 19.0 28.6#



#37

Benzo(g,h,i)perylene

Concen: 0.44 ng

RT: 26.63 min Scan# 4012

Delta R.T. 0.00 min

Lab File: BE089977.D

Acq: 27 Jun 2015 15:19

Tgt Ion:276 Resp: 14725

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 25.3 18.8 28.2

