

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089972.D
 Acq On : 27 Jun 2015 12:20
 Operator : TP/IZ
 Sample : G2782-19
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624

Quant Time: Jun 29 00:55:19 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	26694	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	132225	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	78933	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	182793	5.00	ng	0.00
25) Chrysene-d12	21.13	240	202052	5.00	ng	0.00
32) Perylene-d12	23.47	264	187507	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	57392	11.91	ng	0.00
5) Phenol-d6	6.81	99	101051	13.68	ng	0.00
7) Nitrobenzene-d5	8.77	82	66909	6.80	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	18434	13.03	ng	0.00
14) 2-Fluorobiphenyl	12.87	172	158029	6.87	ng	0.00
27) Terphenyl-d14	19.60	244	229772	6.59	ng	0.00

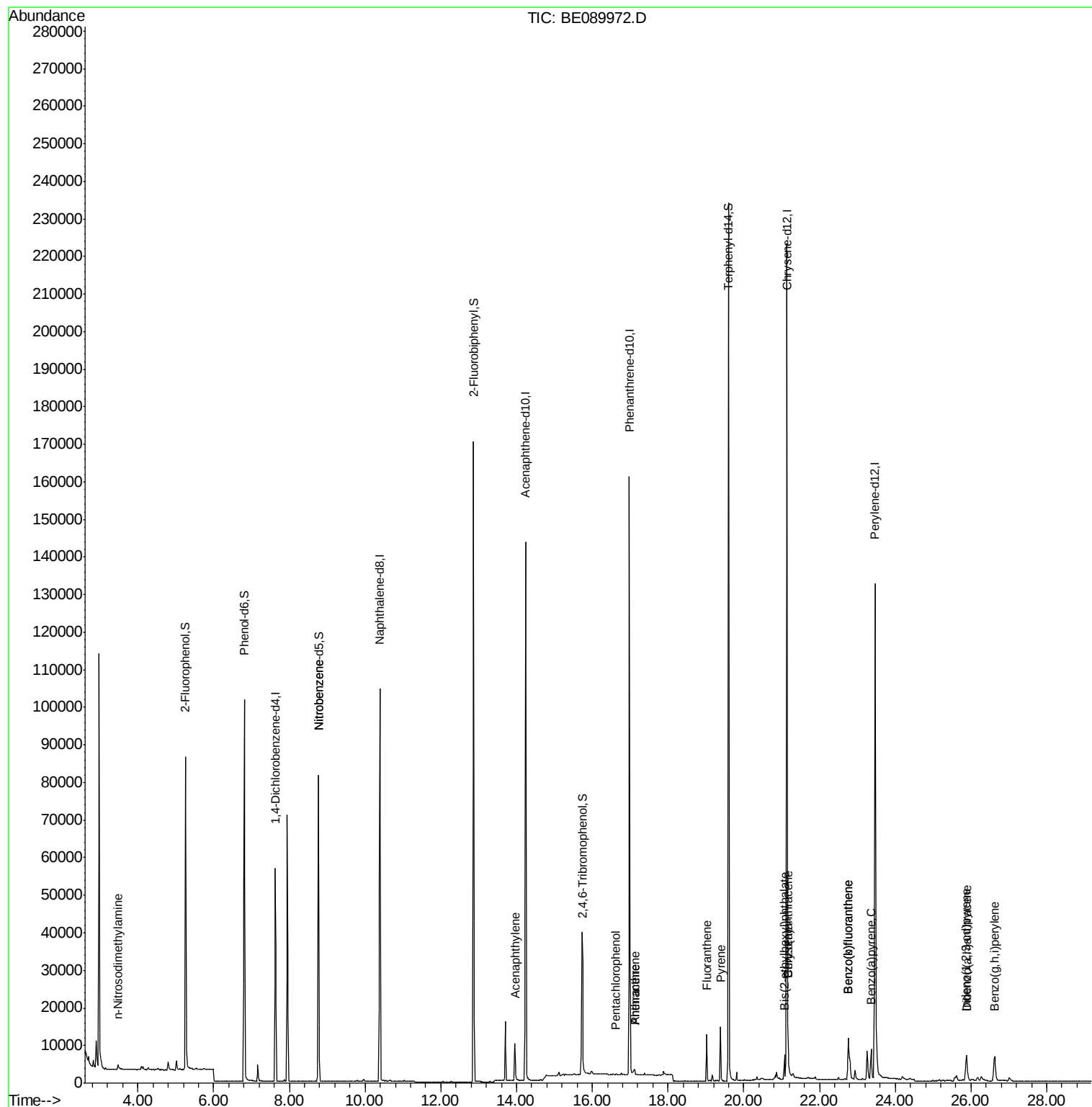
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	31	Below Cal	#	15
3) n-Nitrosodimethylamine	3.47	42	436	0.09 ng	#	1
8) Nitrobenzene	8.77	77	213	0.02 ng	#	38
15) Acenaphthylene	13.96	152	14602	0.11 ng		100
21) Pentachlorophenol	16.63	266	167	0.52 ng	#	83
22) Phenanthrene	17.12	178	1916	0.04 ng		97
23) Anthracene	17.12	178	2027	0.05 ng		98
24) Fluoranthene	19.02	202	11298	0.23 ng		99
26) Pyrene	19.38	202	12675	0.25 ng		97
28) Benzo(a)anthracene	21.17	228	10588	0.22 ng		94
29) Chrysene	21.17	228	10672	0.20 ng		97
30) Bis(2-ethylhexyl)phthalate	21.07	149	6222	1.51 ng		99
31) Indeno(1,2,3-cd)pyrene	25.87	276	12366	0.32 ng	#	100
33) Benzo(b)fluoranthene	22.75	252	19025	0.48 ng	#	94
34) Benzo(k)fluoranthene	22.75	252	19025	0.42 ng	#	95
35) Benzo(a)pyrene	23.36	252	11770	0.33 ng	#	93
36) Dibenzo(a,h)anthracene	25.89	278	2622	0.08 ng	#	74
37) Benzo(g,h,i)perylene	26.63	276	15096	0.43 ng		96

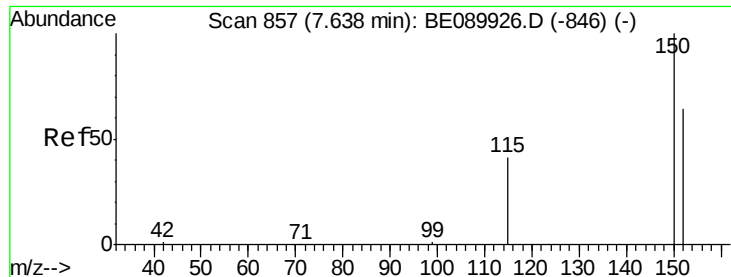
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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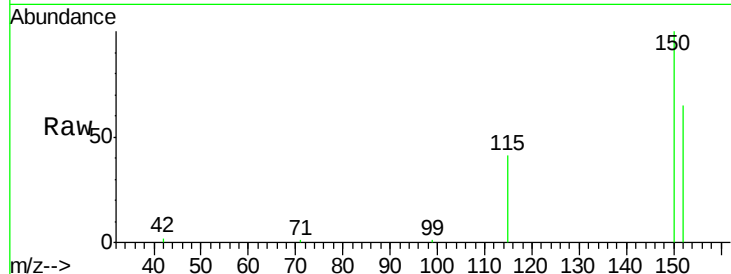


#1

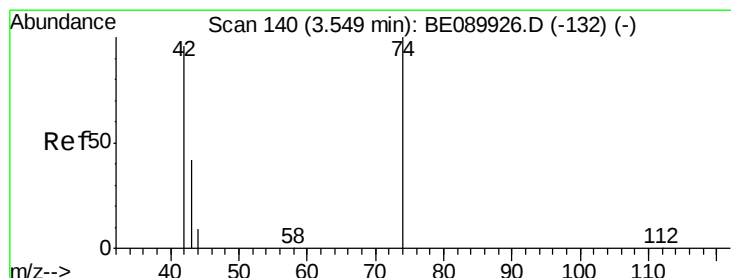
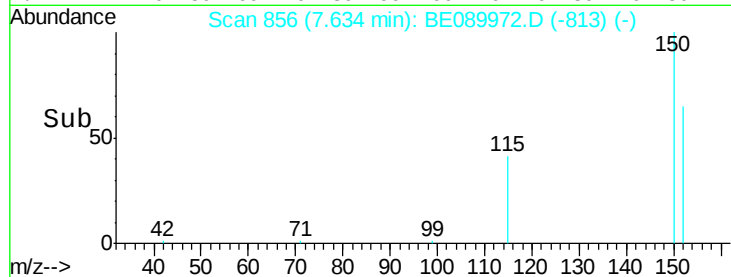
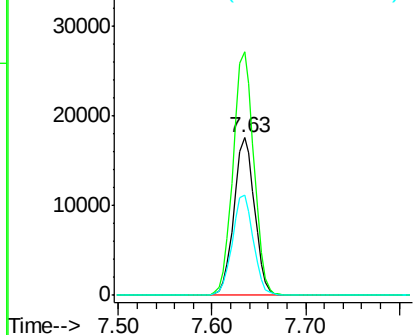
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 856
Delta R.T. -0.00 min
Lab File: BE089972.D
Acq: 27 Jun 2015 12:20

Instrument :
BNA_E
ClientSampleId :
X3SS0190006-150624

Tgt Ion:152 Resp: 26694
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 63.8 51.6 77.4



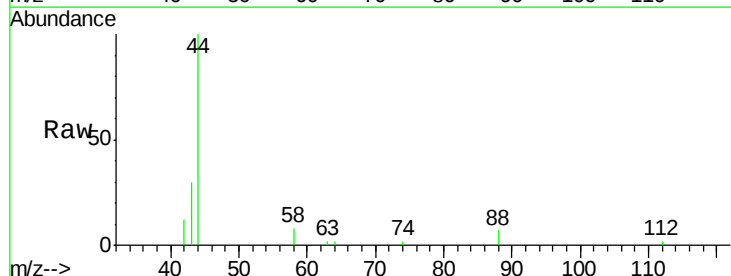
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



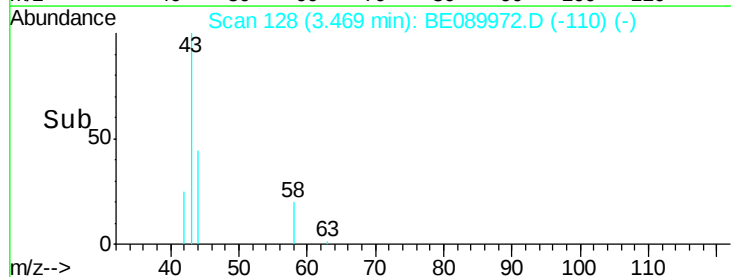
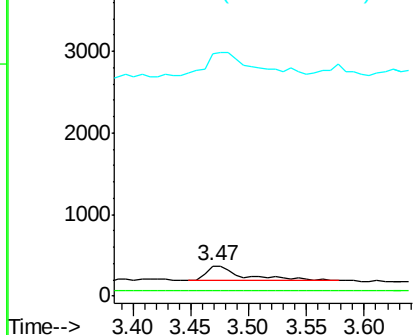
#3

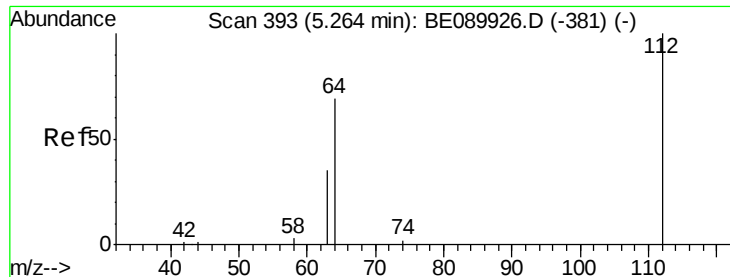
n-Nitrosodimethylamine
Concen: 0.09 ng
RT: 3.47 min Scan# 128
Delta R.T. -0.08 min
Lab File: BE089972.D
Acq: 27 Jun 2015 12:20

Tgt Ion: 42 Resp: 436
Ion Ratio Lower Upper
42 100
74 1.6 85.4 128.2#
44 245.0 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: 11.91 ng

RT: 5.26 min Scan# 392

Delta R.T. -0.01 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624

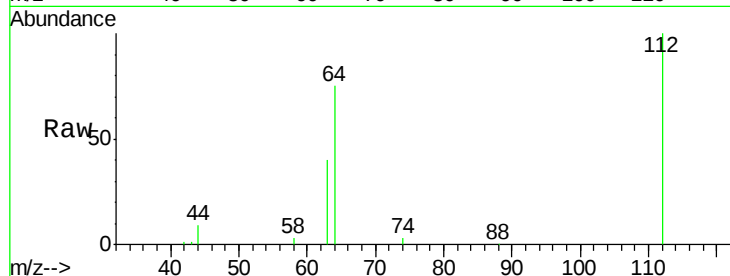
Tgt Ion: 112 Resp: 57392

Ion Ratio Lower Upper

112 100

64 72.3 57.4 86.2

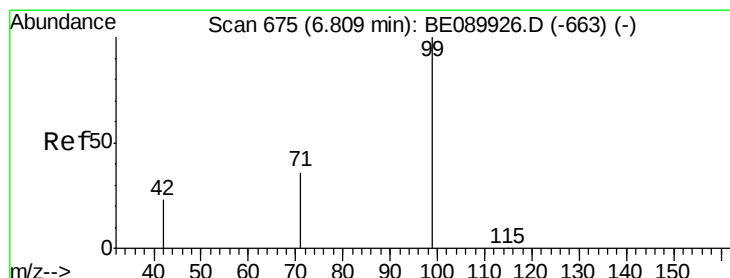
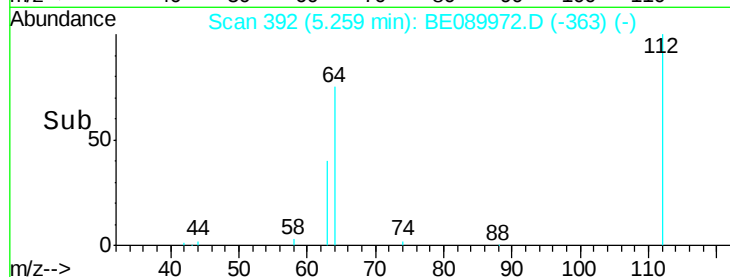
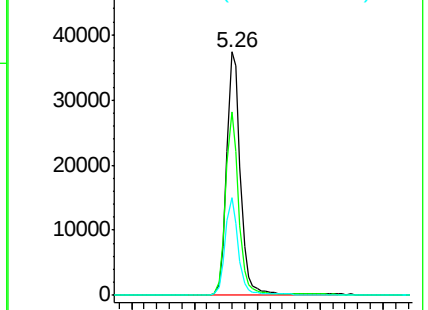
63 38.4 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 13.68 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

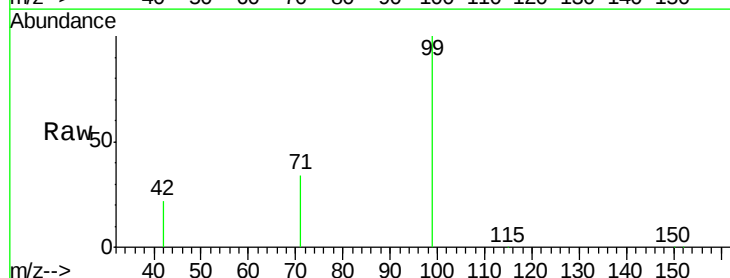
Tgt Ion: 99 Resp: 101051

Ion Ratio Lower Upper

99 100

42 22.6 19.5 29.3

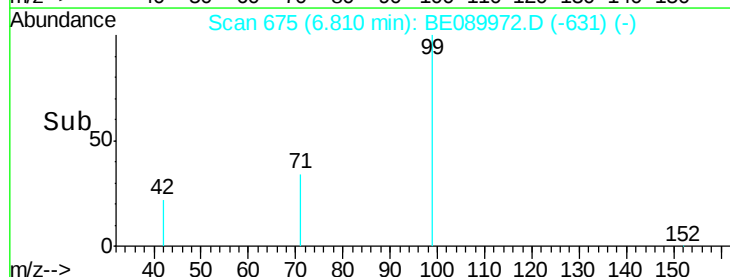
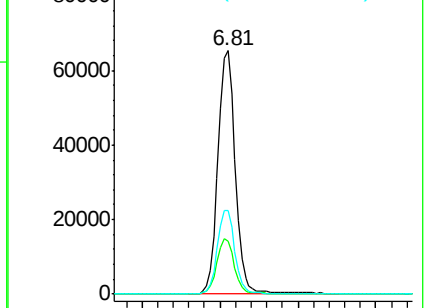
71 34.6 27.8 41.6

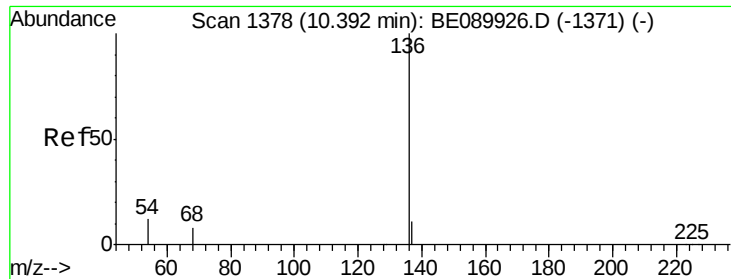


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE089972.D

Acq: 27 Jun 2015 12:20

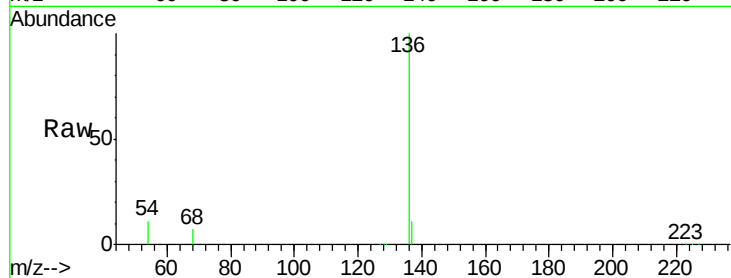
Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624

Tgt Ion:	136	Resp:	132225
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.7	9.7	14.5
68	7.4	6.5	9.7



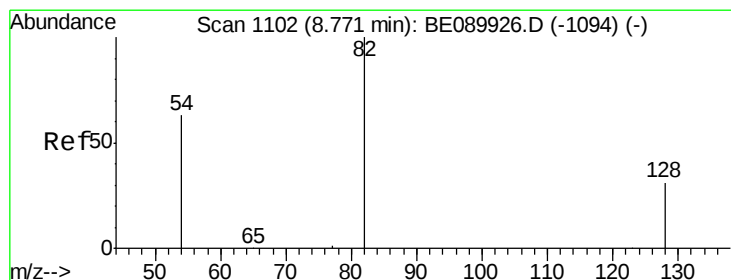
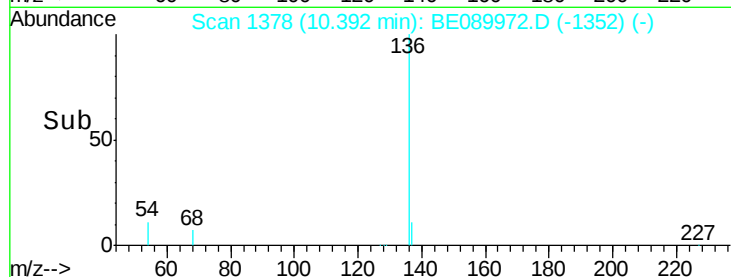
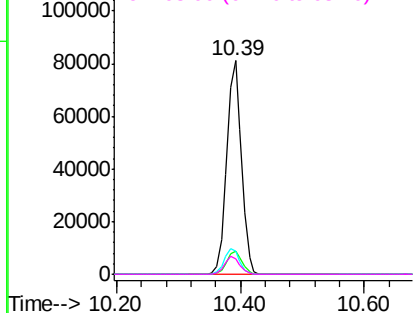
Abundance

Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#7

Nitrobenzene-d5

Concen: 6.80 ng

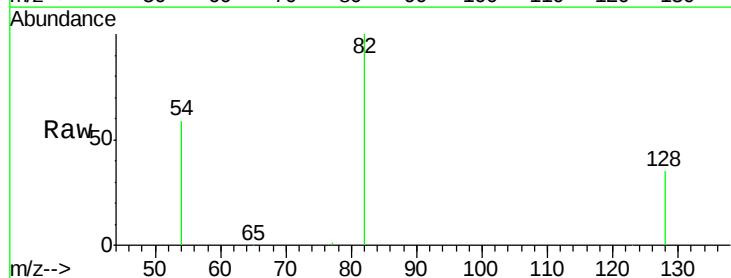
RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Tgt Ion:	82	Resp:	66909
Ion	Ratio	Lower	Upper
82	100		
128	35.1	25.6	38.4
54	59.1	51.2	76.8

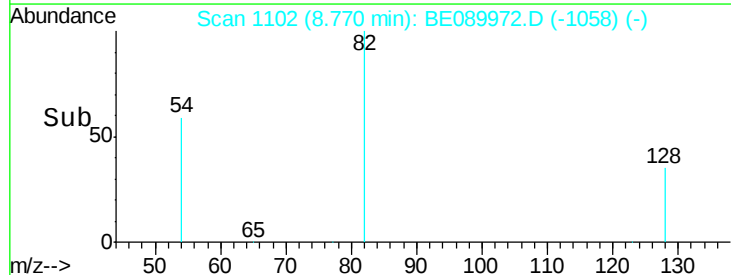
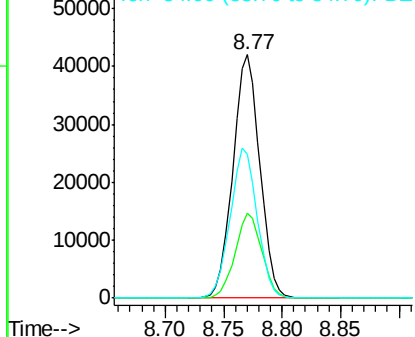


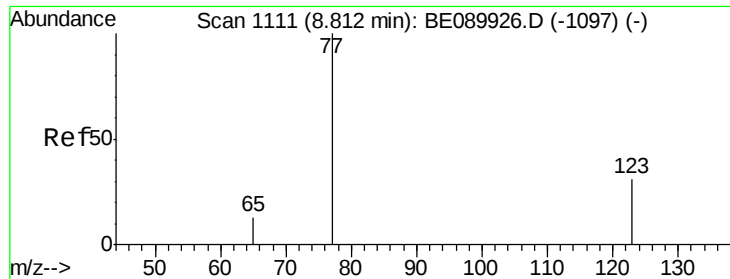
Abundance

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: 0.02 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.04 min

Lab File: BE089972.D

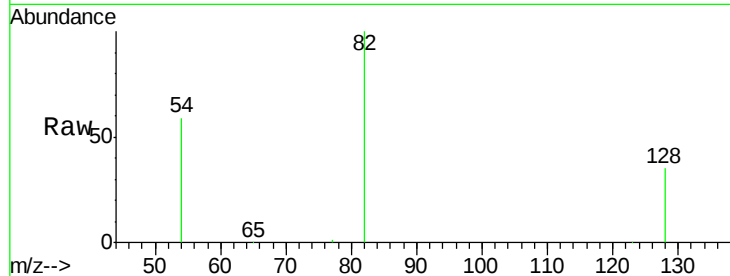
Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624



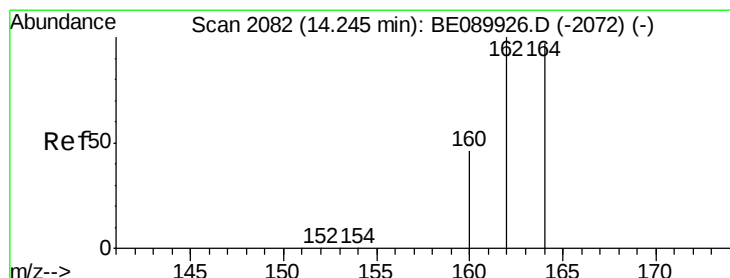
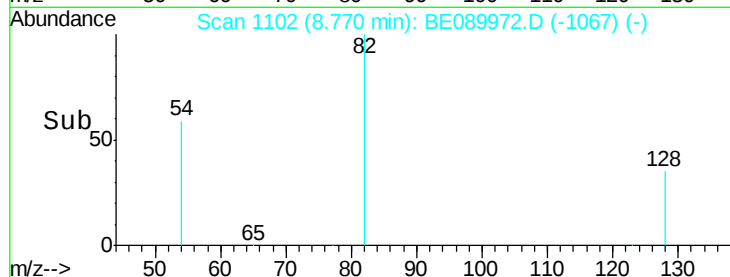
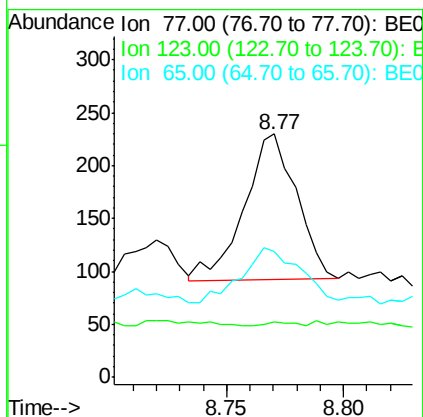
Tgt Ion: 77 Resp: 213

Ion Ratio Lower Upper

77 100

123 0.9 26.6 39.8#

65 42.7 10.2 15.4#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

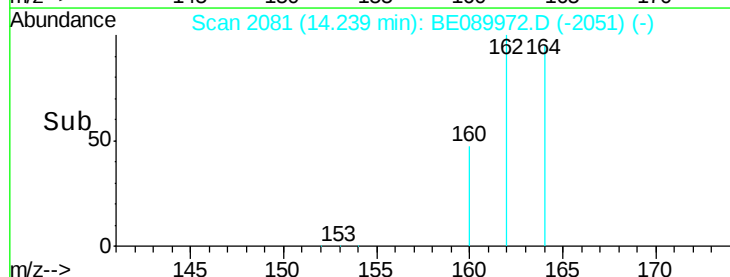
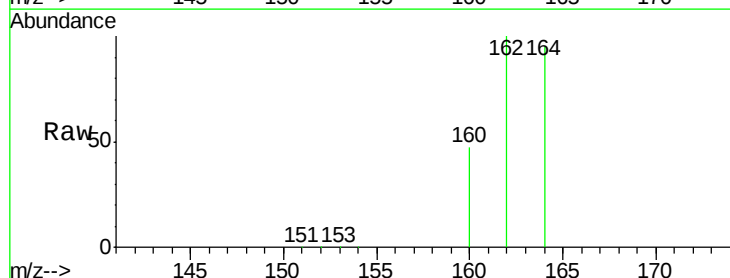
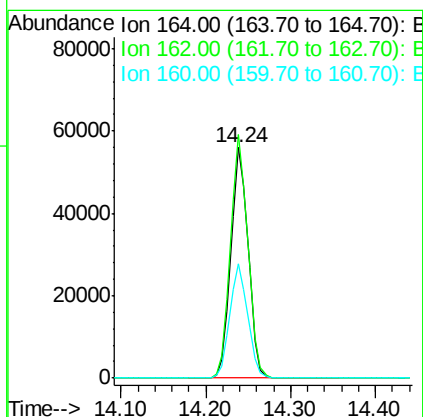
Tgt Ion: 164 Resp: 78933

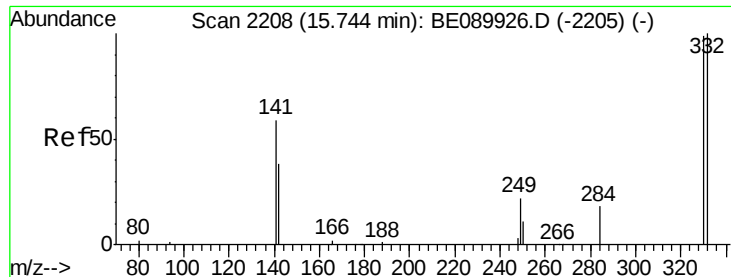
Ion Ratio Lower Upper

164 100

162 105.6 82.7 124.1

160 49.8 38.3 57.5

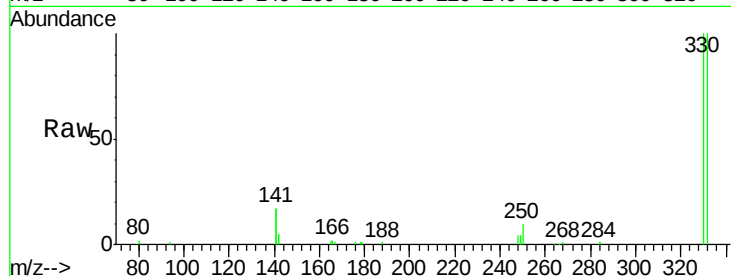




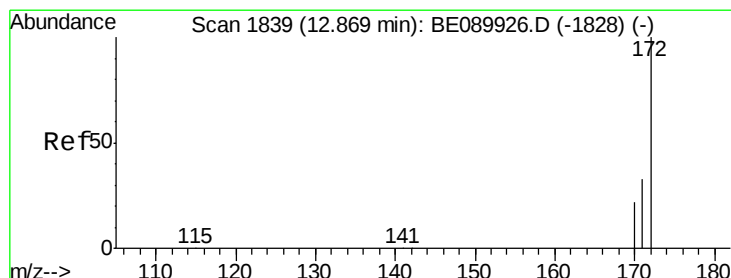
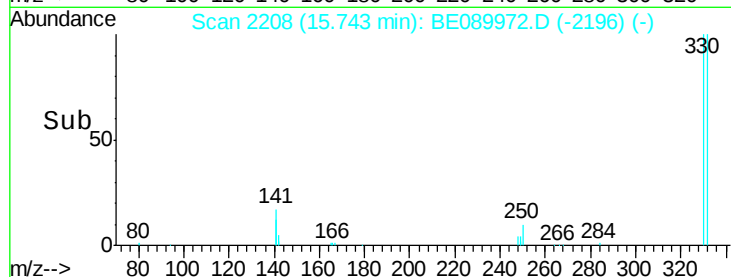
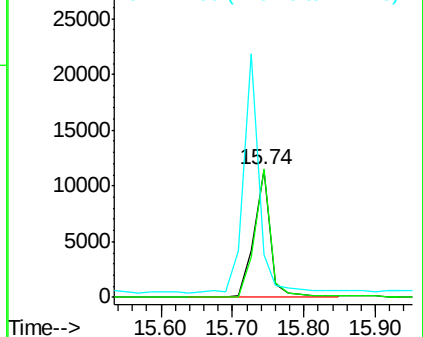
#13
 2,4,6-Tribromophenol
 Concen: 13.03 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624

Tgt Ion:330 Resp: 18434
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.9 116.9
 141 178.4 142.8 214.2

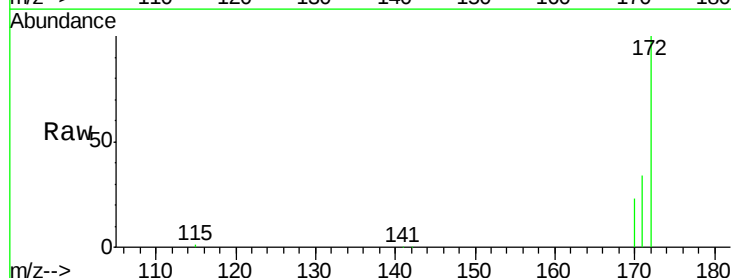


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

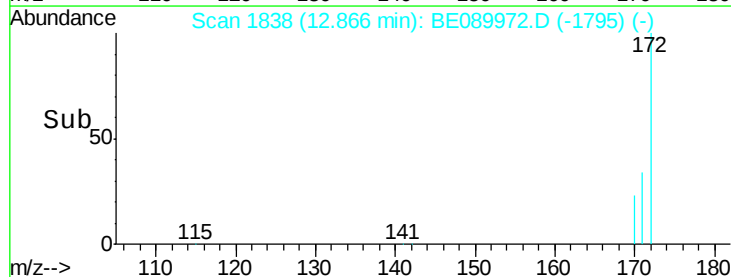
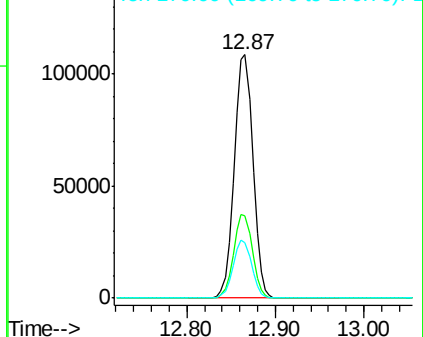


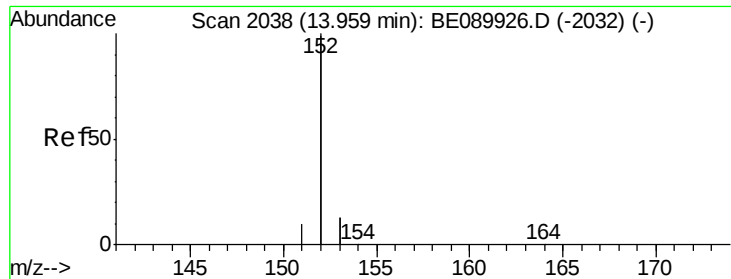
#14
 2-Fluorobiphenyl
 Concen: 6.87 ng
 RT: 12.87 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Tgt Ion:172 Resp: 158029
 Ion Ratio Lower Upper
 172 100
 171 33.6 26.7 40.1
 170 22.7 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: 0.11 ng

RT: 13.96 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624

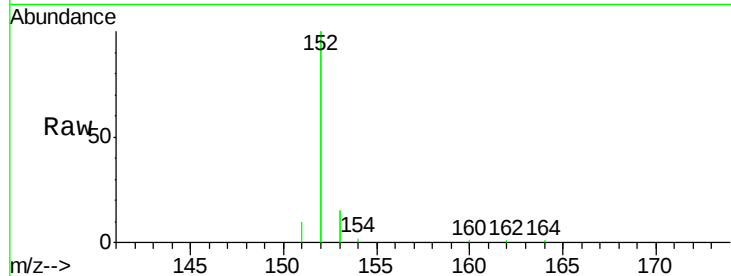
Tgt Ion:152 Resp: 14602

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

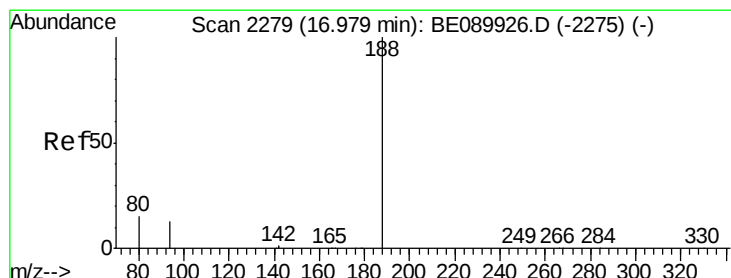
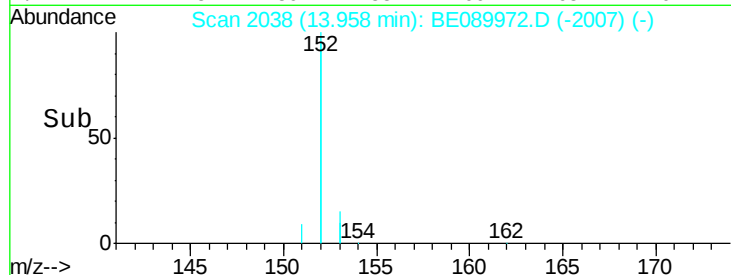
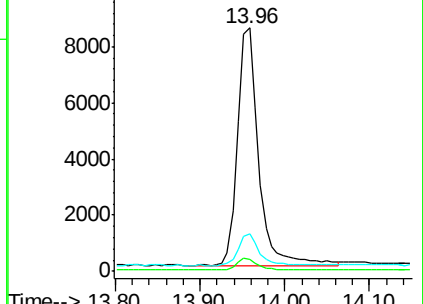
153 12.9 10.4 15.6



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: BE089972.D

Acq: 27 Jun 2015 12:20

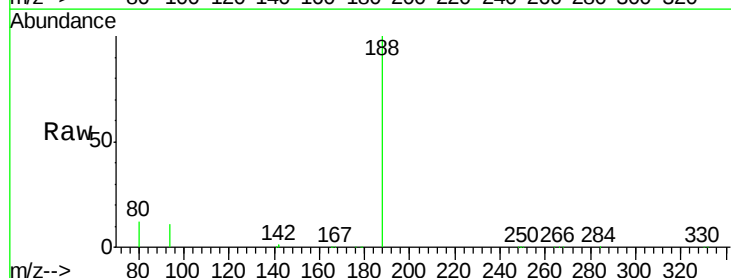
Tgt Ion:188 Resp: 182793

Ion Ratio Lower Upper

188 100

94 10.7 10.6 16.0

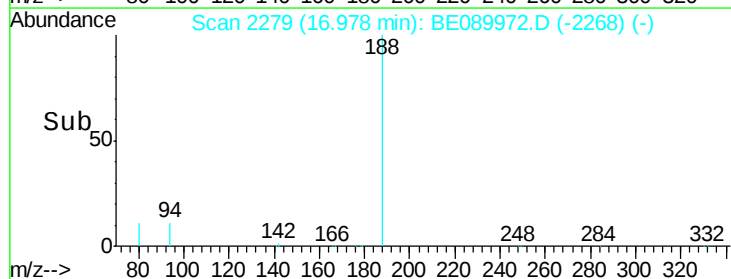
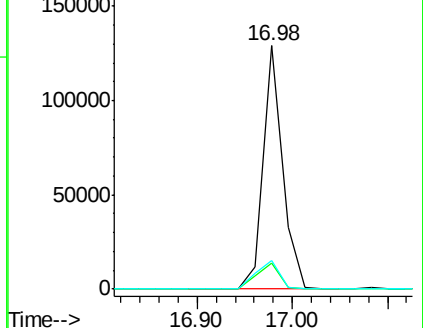
80 11.5 11.8 17.6#

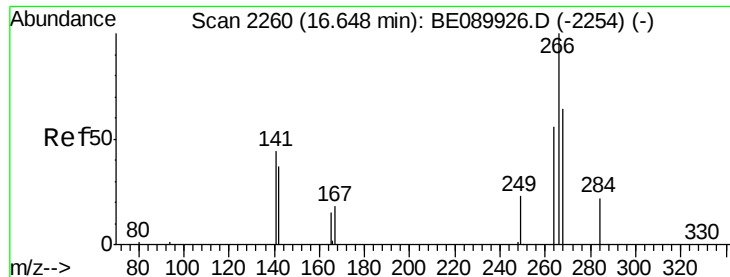


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

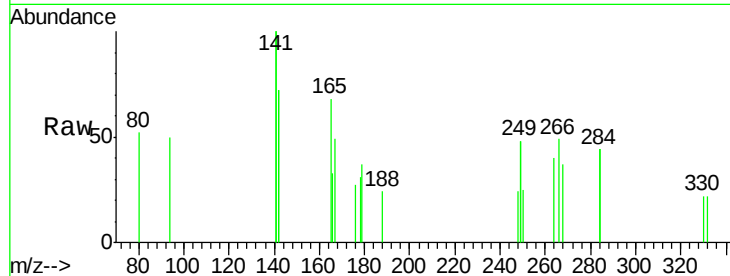




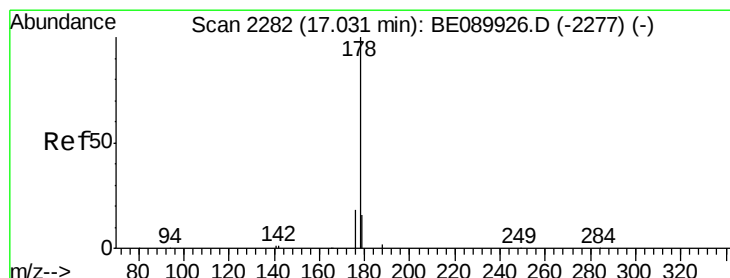
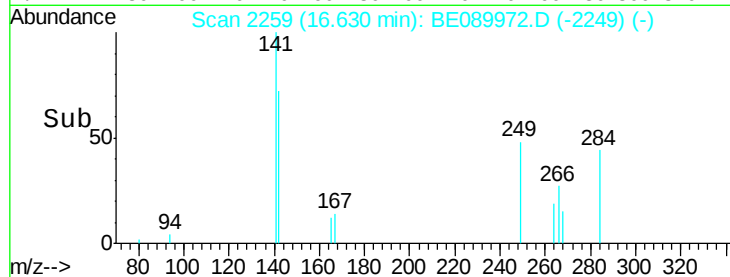
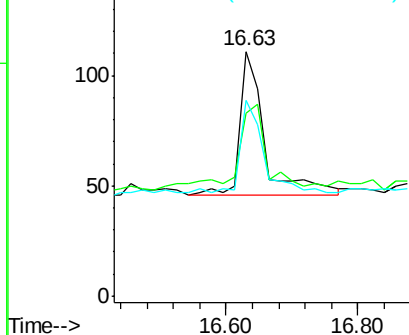
#21
 Pentachlorophenol
 Concen: 0.52 ng
 RT: 16.63 min Scan# 2259
 Delta R.T. -0.02 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624

Tgt Ion: 266 Resp: 167
 Ion Ratio Lower Upper
 266 100
 268 74.8 54.4 81.6
 264 80.2 48.2 72.2#

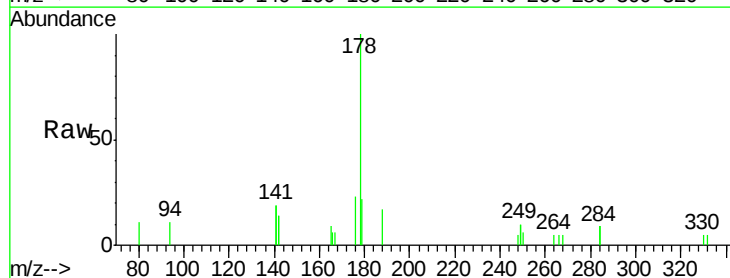


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

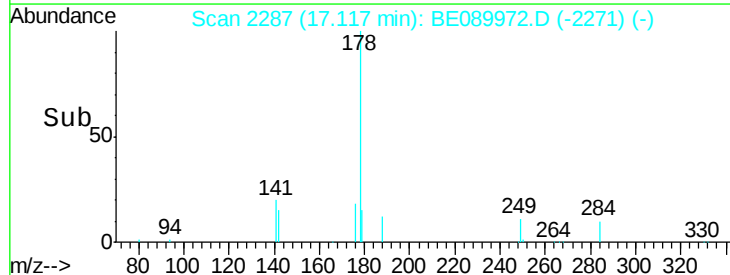
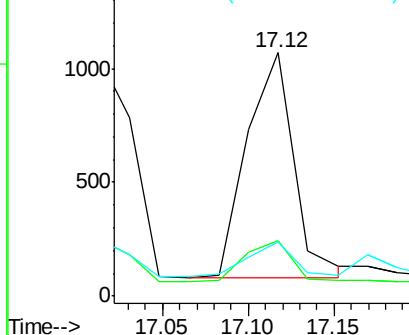


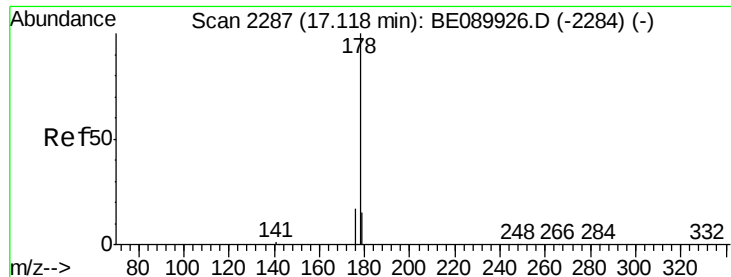
#22
 Phenanthrene
 Concen: 0.04 ng
 RT: 17.12 min Scan# 2287
 Delta R.T. 0.09 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Tgt Ion: 178 Resp: 1916
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.2
 179 14.5 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: 0.05 ng

RT: 17.12 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624

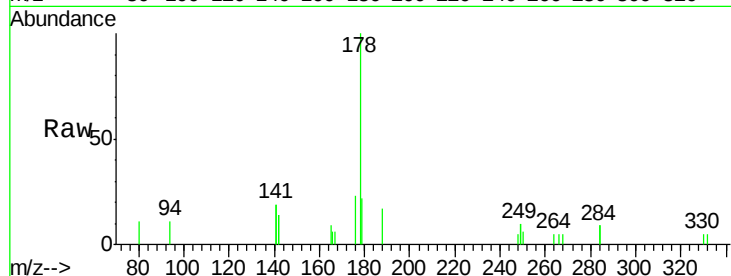
Tgt Ion:178 Resp: 2027

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

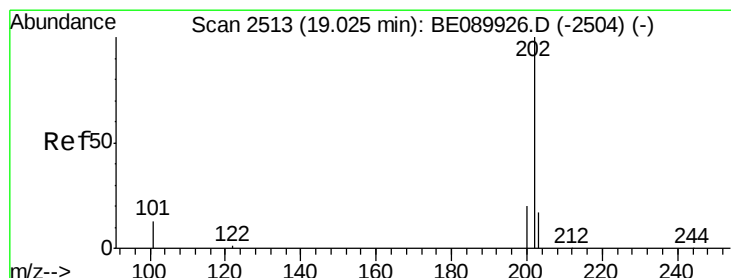
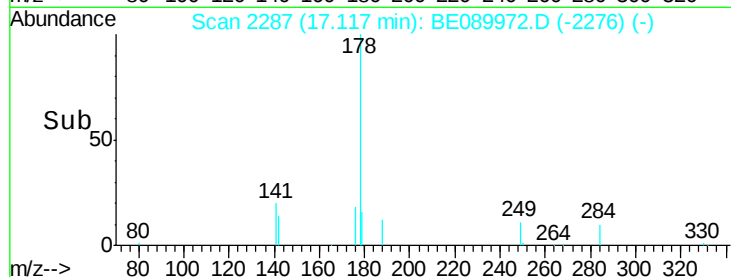
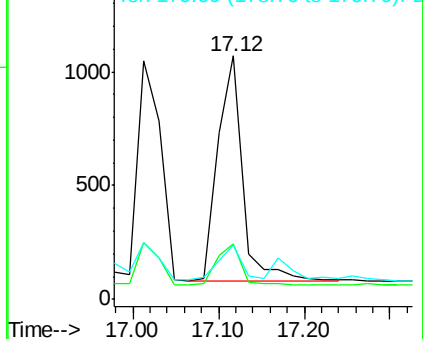
179 13.9 12.3 18.5



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: 0.23 ng

RT: 19.02 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

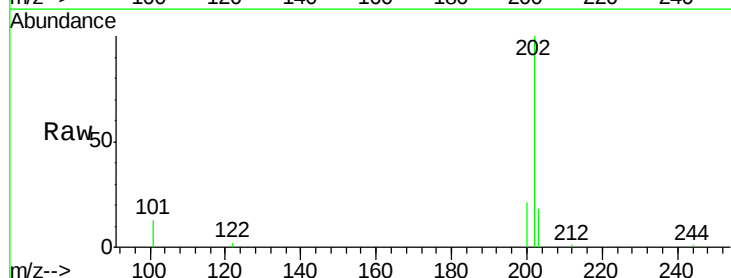
Tgt Ion:202 Resp: 11298

Ion Ratio Lower Upper

202 100

101 14.1 10.6 16.0

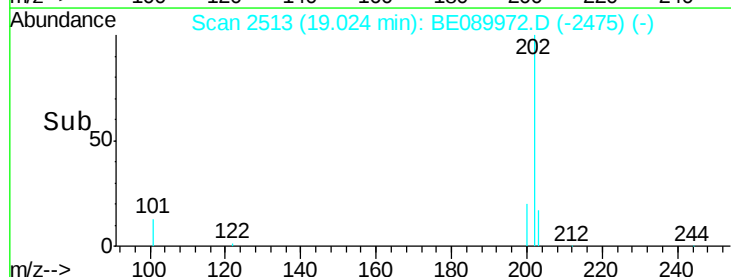
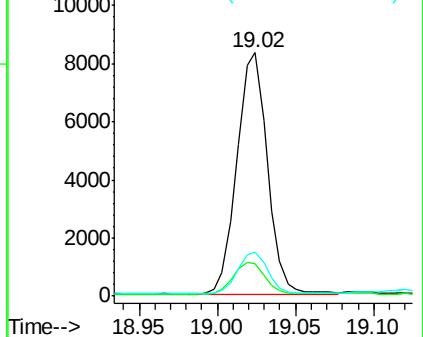
203 17.4 13.8 20.8

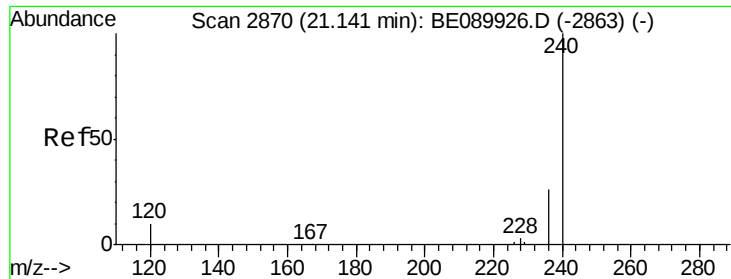


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

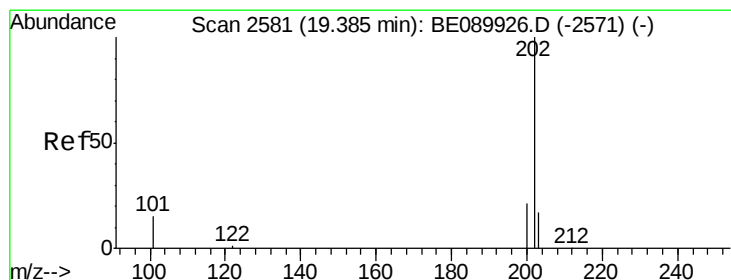
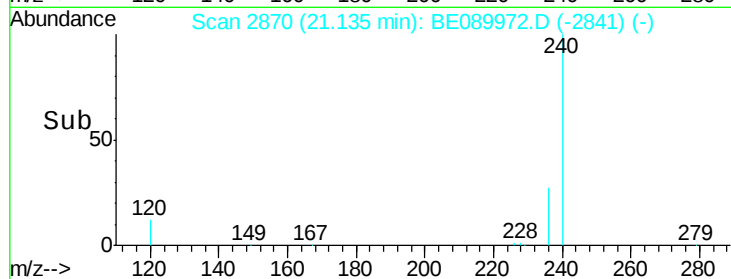
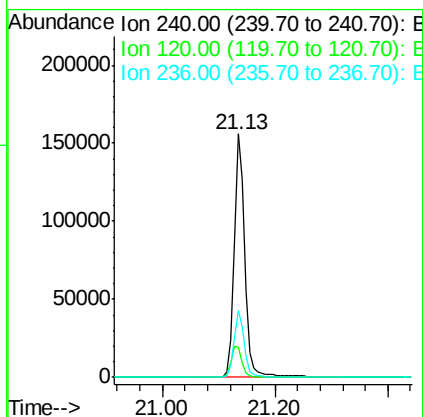
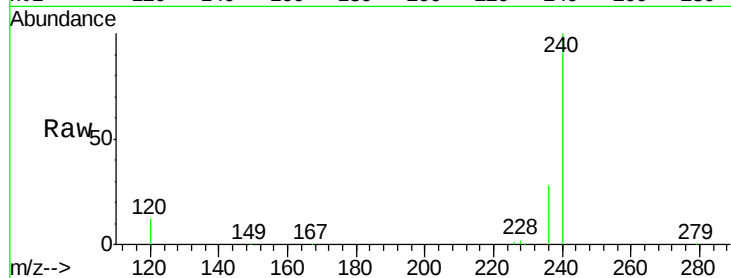




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.13 min Scan# 2870
Delta R.T. -0.01 min
Lab File: BE089972.D
Acq: 27 Jun 2015 12:20

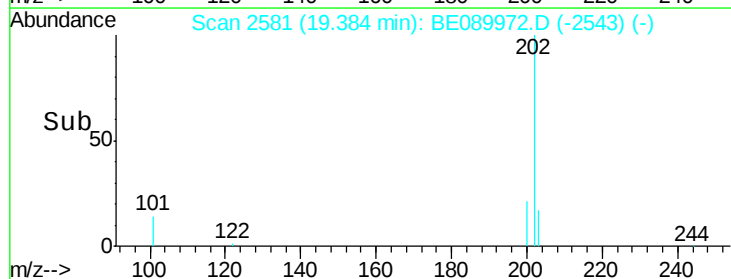
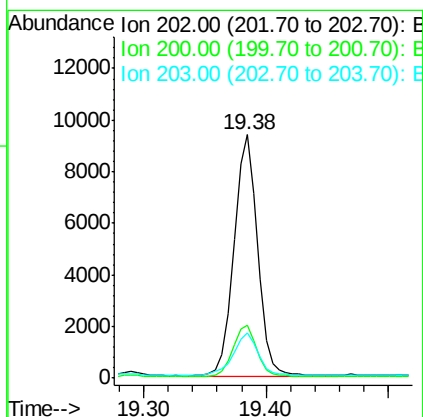
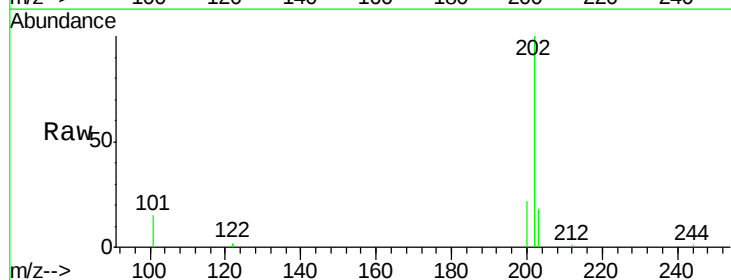
Instrument :
BNA_E
ClientSampleId :
X3SS0190006-150624

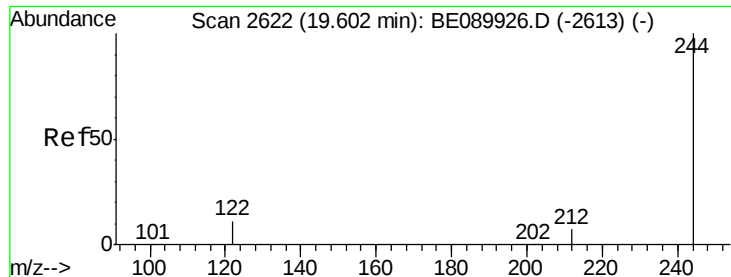
Tgt Ion:240 Resp: 202052
Ion Ratio Lower Upper
240 100
120 12.4 7.9 11.9#
236 27.5 21.2 31.8



#26
Pyrene
Concen: 0.25 ng
RT: 19.38 min Scan# 2581
Delta R.T. -0.00 min
Lab File: BE089972.D
Acq: 27 Jun 2015 12:20

Tgt Ion:202 Resp: 12675
Ion Ratio Lower Upper
202 100
200 21.6 16.6 25.0
203 19.3 13.9 20.9

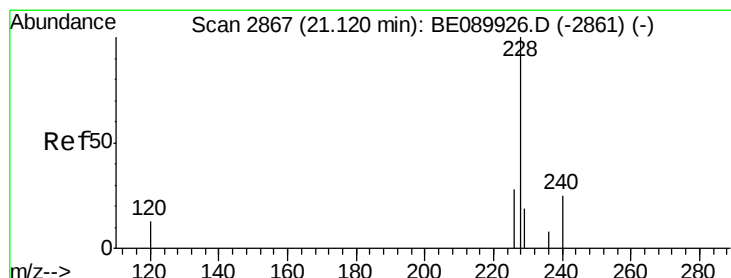
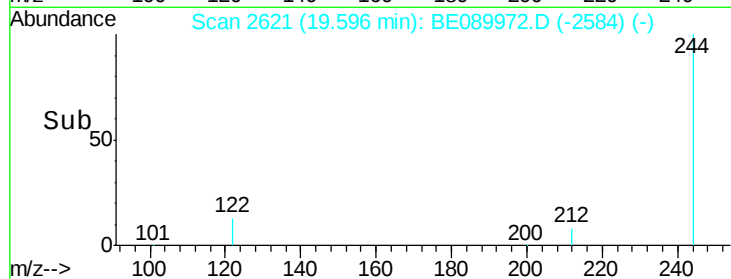
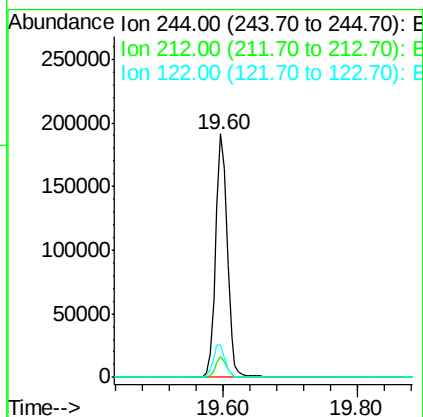
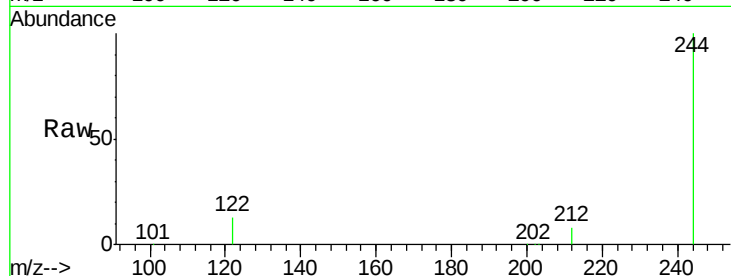




#27
 Terphenyl-d14
 Concen: 6.59 ng
 RT: 19.60 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

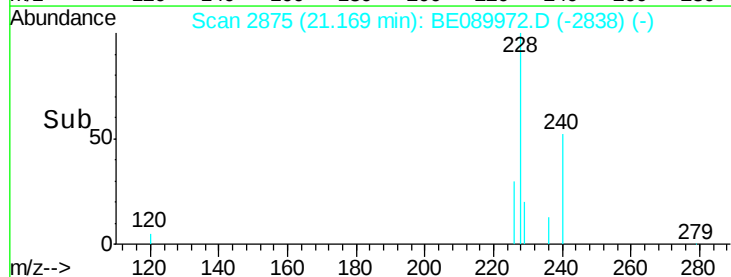
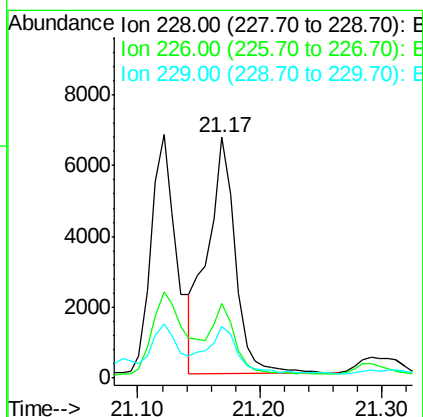
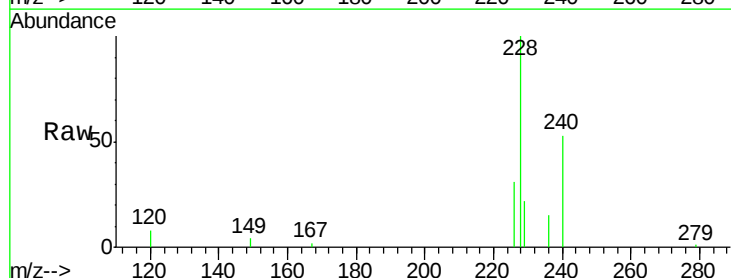
Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624

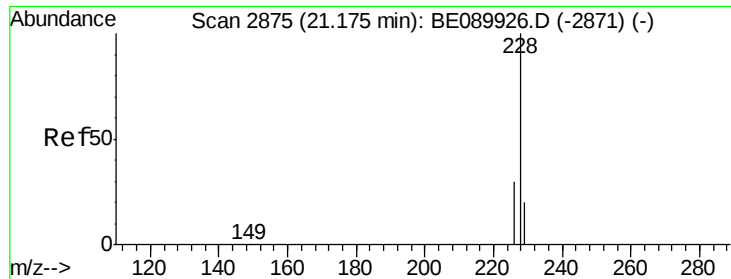
Tgt Ion:244 Resp: 229772
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.1 9.1
 122 13.3 8.7 13.1#



#28
 Benzo(a)anthracene
 Concen: 0.22 ng
 RT: 21.17 min Scan# 2875
 Delta R.T. 0.05 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Tgt Ion:228 Resp: 10588
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.2 33.4
 229 21.6 15.3 22.9





#29

Chrysene

Concen: 0.20 ng

RT: 21.17 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624

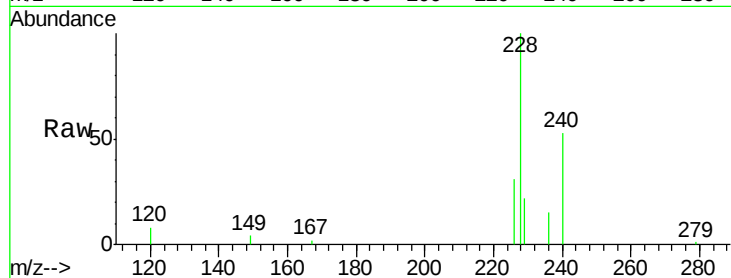
Tgt Ion:228 Resp: 10672

Ion Ratio Lower Upper

228 100

226 31.3 23.7 35.5

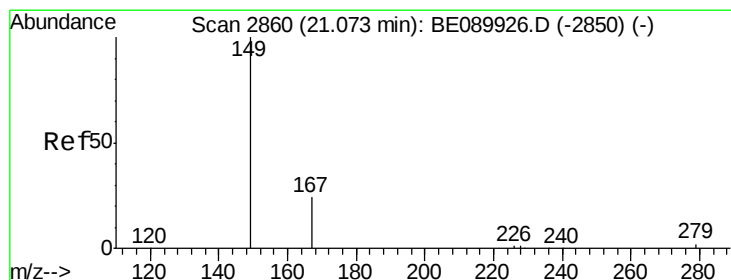
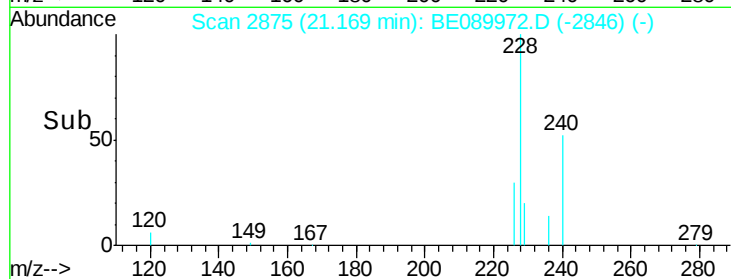
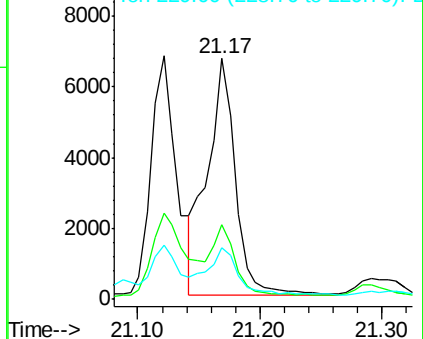
229 21.6 15.8 23.8



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: 1.51 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

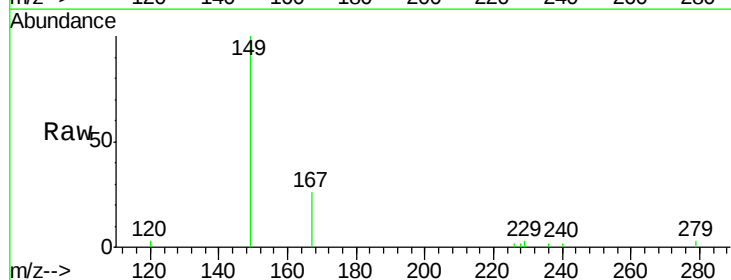
Tgt Ion:149 Resp: 6222

Ion Ratio Lower Upper

149 100

167 25.9 20.3 30.5

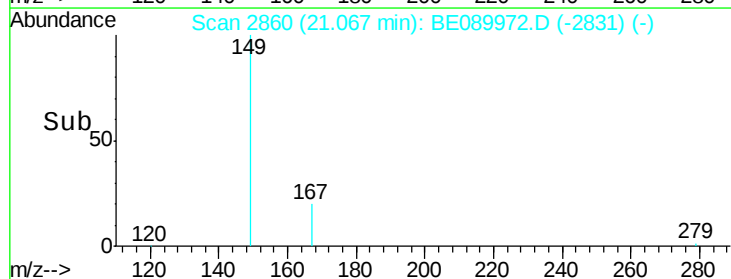
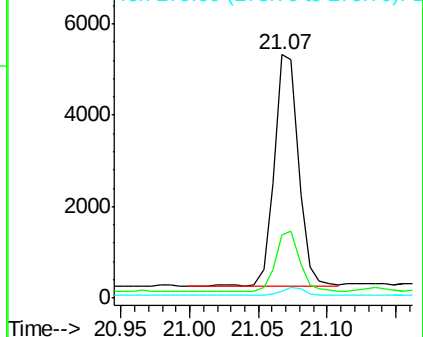
279 3.1 2.7 4.1

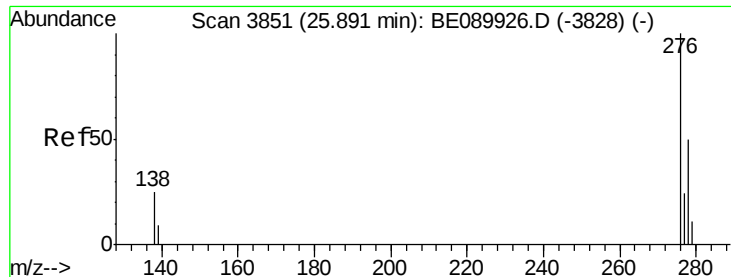


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.32 ng

RT: 25.87 min Scan# 3847

Delta R.T. -0.02 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624

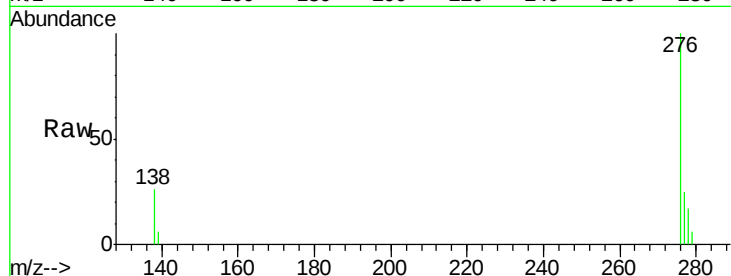
Tgt Ion:276 Resp: 12366

Ion Ratio Lower Upper

276 100

138 23.8 0.0 0.0#

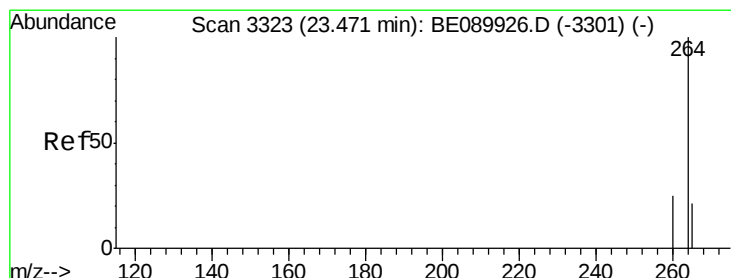
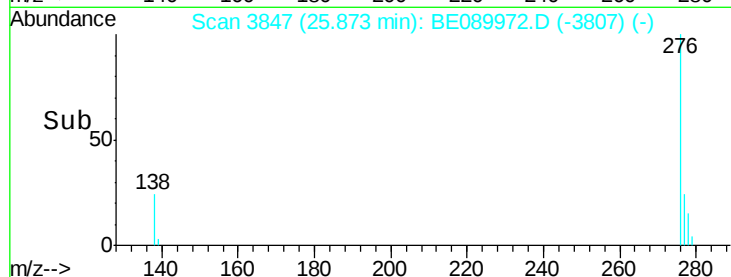
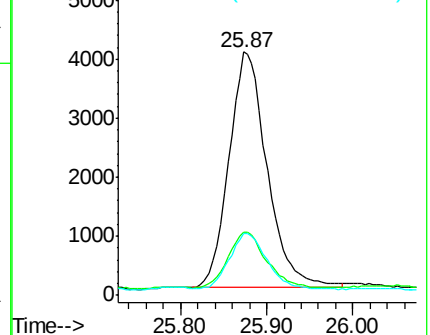
277 23.6 0.0 0.0#



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: BE089972.D

Acq: 27 Jun 2015 12:20

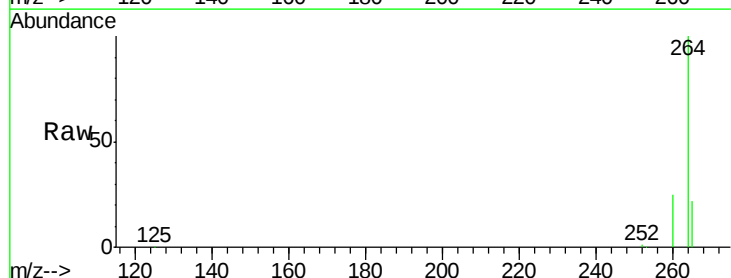
Tgt Ion:264 Resp: 187507

Ion Ratio Lower Upper

264 100

260 25.2 19.8 29.6

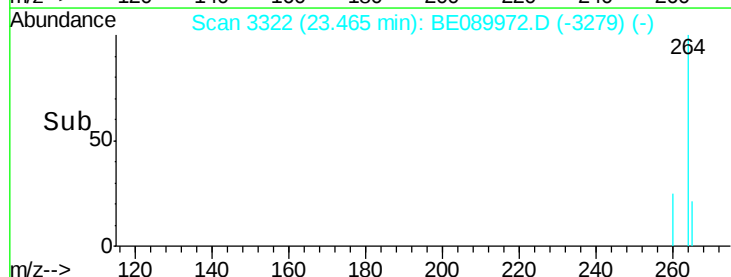
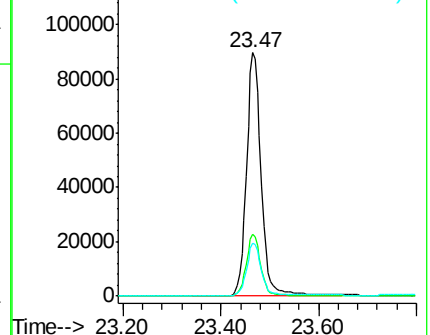
265 21.7 17.3 25.9

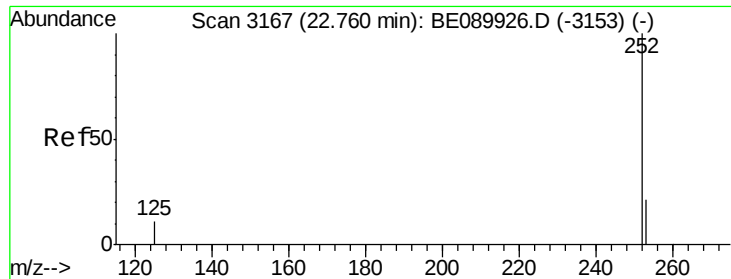


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.48 ng

RT: 22.75 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624

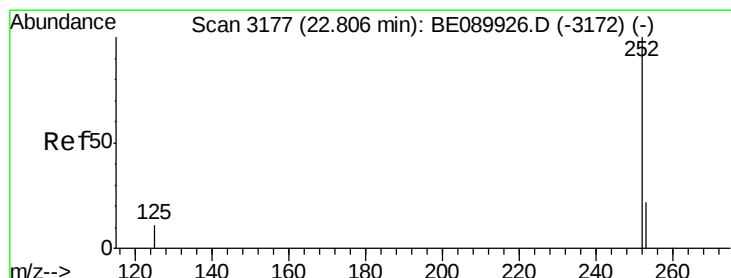
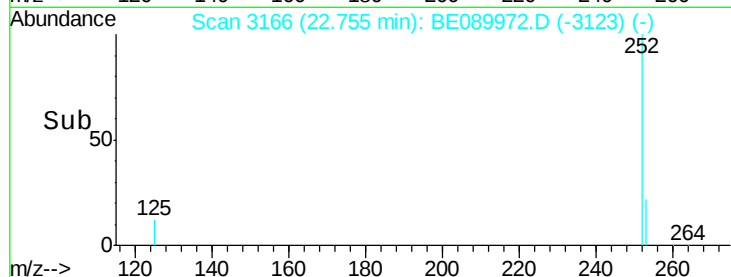
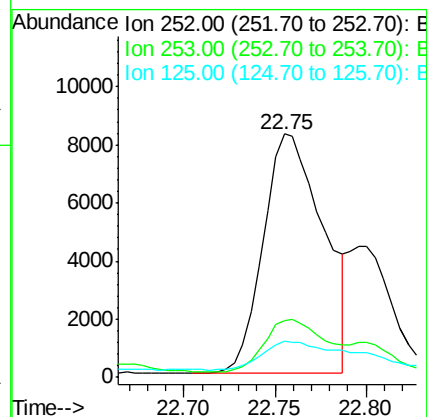
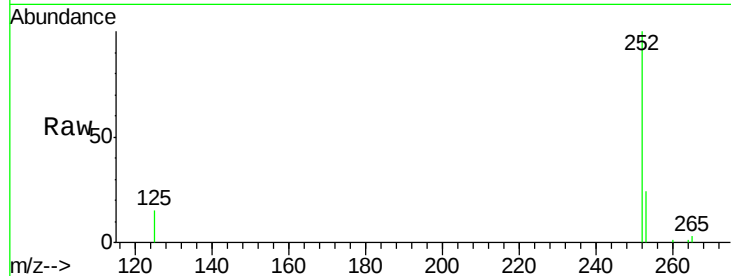
Tgt Ion:252 Resp: 19025

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 14.9 9.3 13.9#



#34

Benzo(k)fluoranthene

Concen: 0.42 ng

RT: 22.75 min Scan# 3166

Delta R.T. -0.05 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

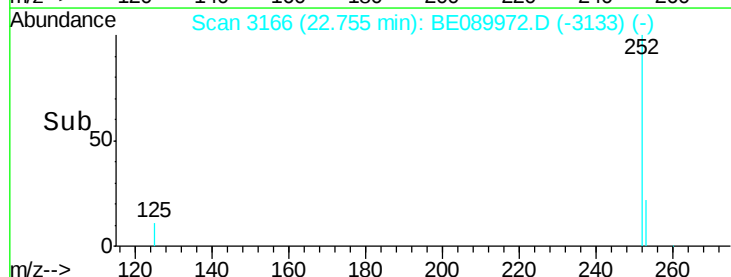
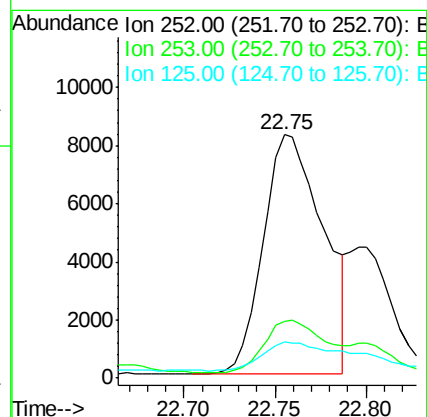
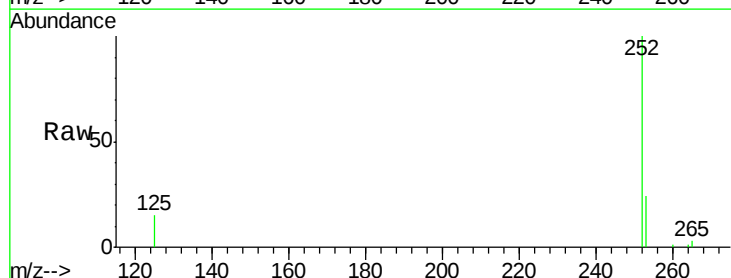
Tgt Ion:252 Resp: 19025

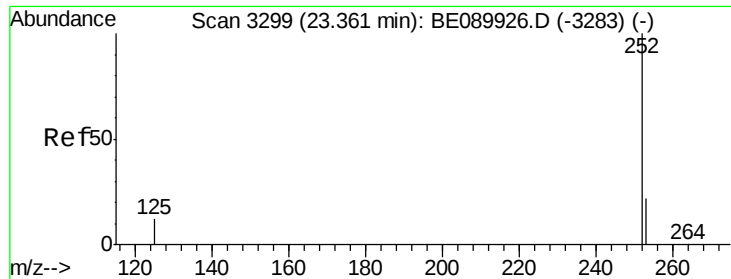
Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 14.9 9.2 13.8#





#35

Benzo(a)pyrene

Concen: 0.33 ng

RT: 23.36 min Scan# 3299

Delta R.T. -0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624

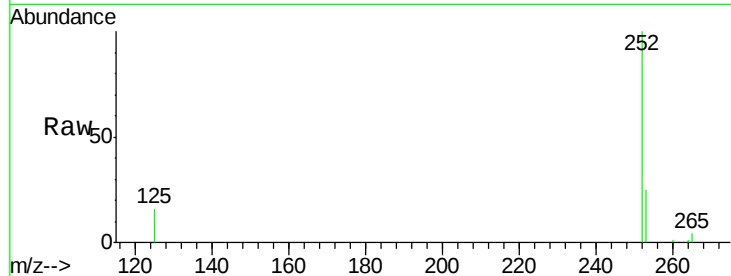
Tgt Ion:252 Resp: 11770

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

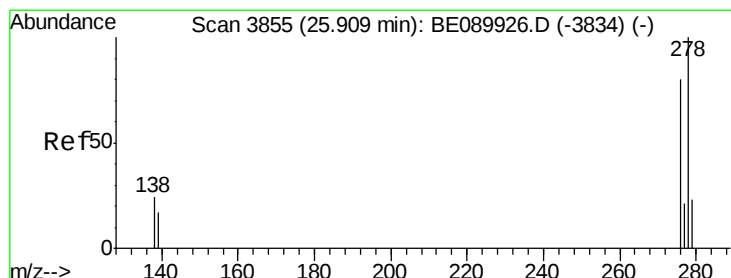
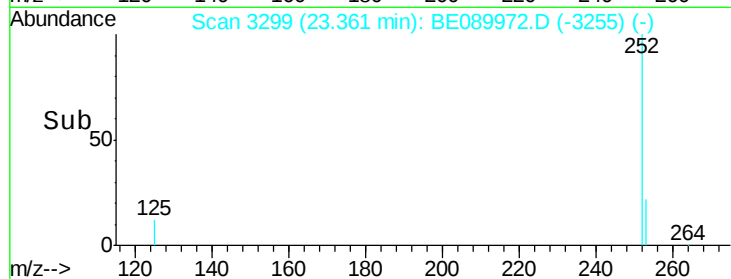
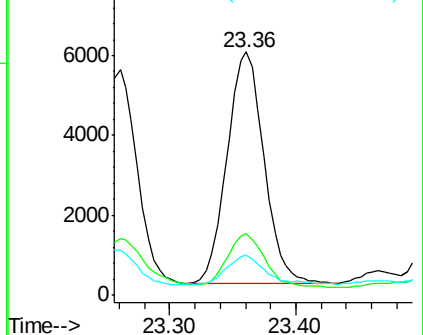
125 16.3 10.3 15.5#



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: 0.08 ng

RT: 25.89 min Scan# 3851

Delta R.T. -0.02 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

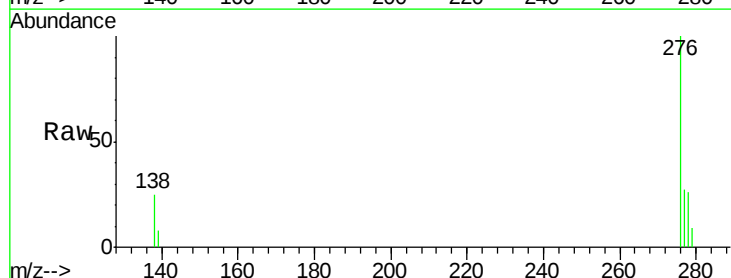
Tgt Ion:278 Resp: 2622

Ion Ratio Lower Upper

278 100

139 32.0 14.1 21.1#

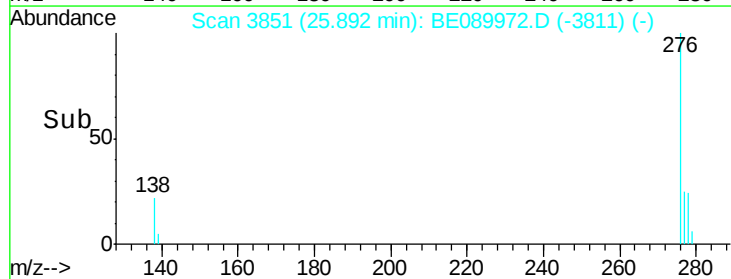
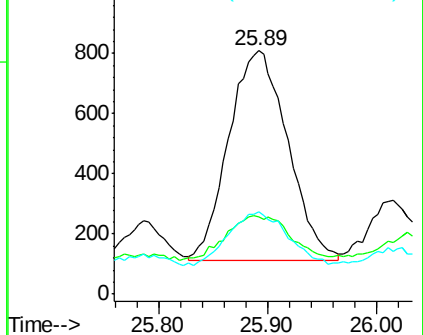
279 34.1 19.0 28.6#

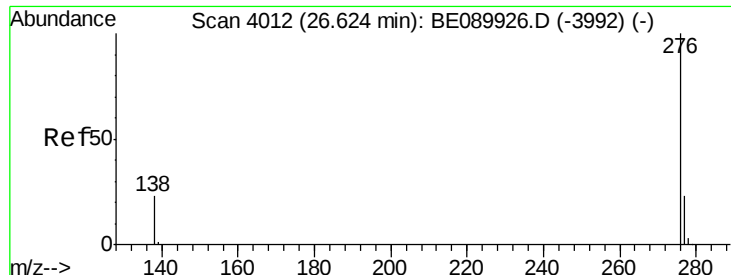


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.43 ng

RT: 26.63 min Scan# 4012

Delta R.T. 0.00 min

Lab File: BE089972.D

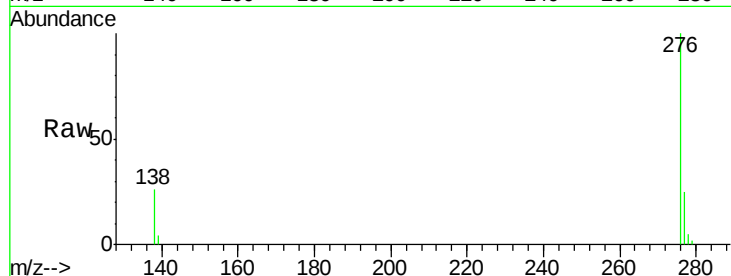
Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624



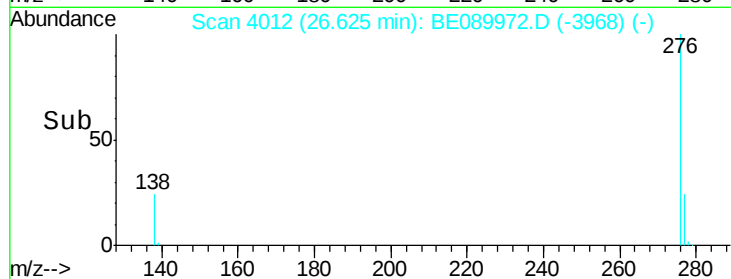
Tgt Ion: 276 Resp: 15096

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.4

138 26.1 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

