

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089973.D
 Acq On : 27 Jun 2015 12:56
 Operator : TP/IZ
 Sample : G2782-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0210006-150624

Quant Time: Jun 29 00:55:40 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	24035	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	115772	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	67070	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	158225	5.00	ng	0.00
25) Chrysene-d12	21.14	240	189779	5.00	ng	0.00
32) Perylene-d12	23.47	264	176560	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	57488	13.25	ng	0.00
5) Phenol-d6	6.81	99	94440	14.20	ng	0.00
7) Nitrobenzene-d5	8.77	82	60875	7.06	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	16797	13.95	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	138310	7.08	ng	0.00
27) Terphenyl-d14	19.60	244	209089	6.38	ng	0.00

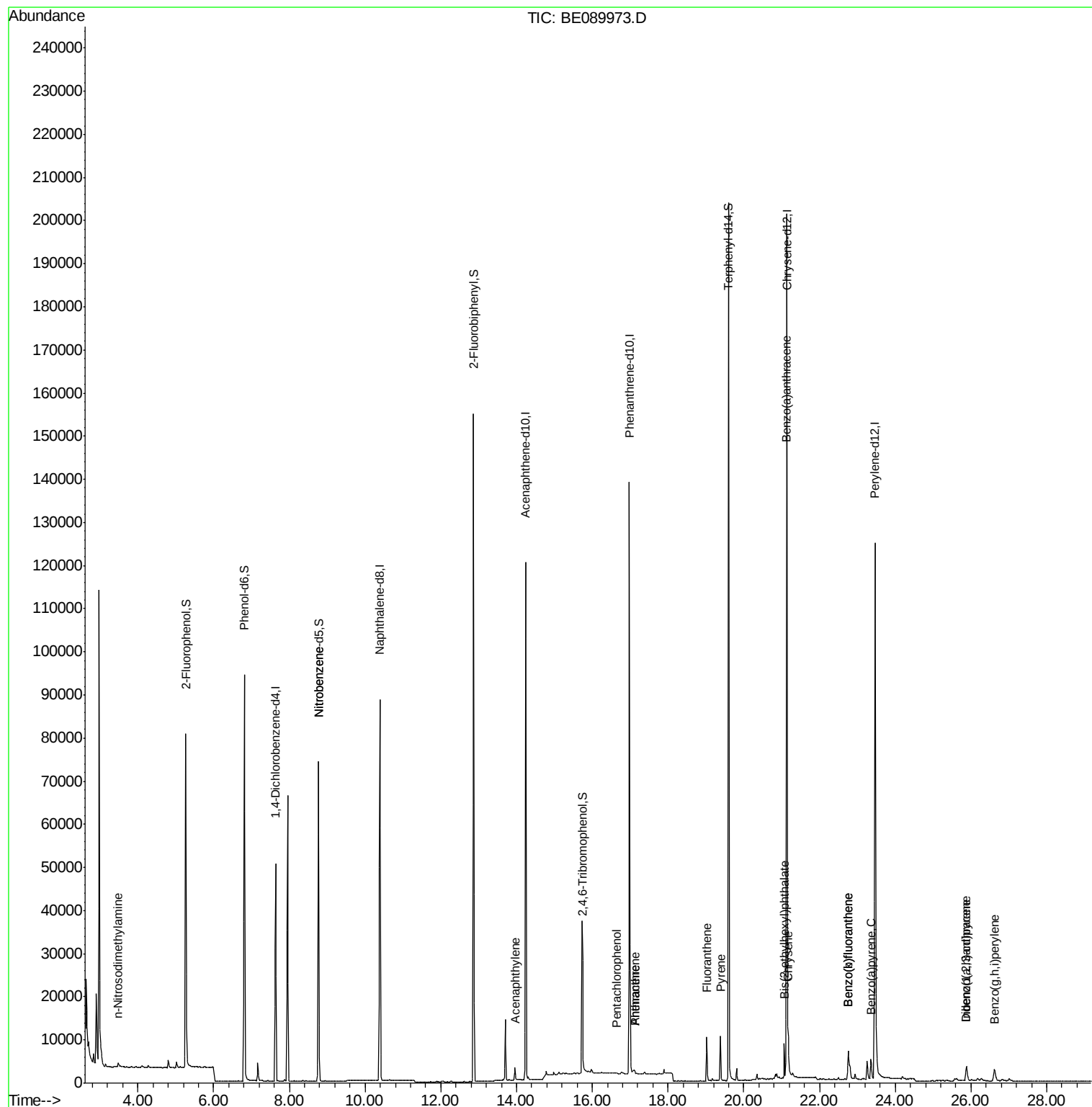
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.47	42	290	0.07	ng	# 1
8) Nitrobenzene	8.77	77	189	0.02	ng	# 36
15) Acenaphthylene	13.95	152	4175	0.04	ng	97
21) Pentachlorophenol	16.63	266	109	0.50	ng	# 75
22) Phenanthrene	17.12	178	828	0.02	ng	97
23) Anthracene	17.12	178	888	0.02	ng	# 93
24) Fluoranthene	19.02	202	9306	0.22	ng	99
26) Pyrene	19.38	202	9499	0.20	ng	96
28) Benzo(a)anthracene	21.12	228	7275	0.16	ng	93
29) Chrysene	21.17	228	8063	0.16	ng	96
30) Bis(2-ethylhexyl)phthalate	21.07	149	7360	1.90	ng	97
31) Indeno(1,2,3-cd)pyrene	25.88	276	5797	0.16	ng	# 100
33) Benzo(b)fluoranthene	22.75	252	11276	0.30	ng	# 92
34) Benzo(k)fluoranthene	22.75	252	11276	0.27	ng	# 93
35) Benzo(a)pyrene	23.36	252	7135	0.21	ng	# 90
36) Dibenzo(a,h)anthracene	25.89	278	1394	0.05	ng	# 60
37) Benzo(g,h,i)perylene	26.62	276	6592	0.20	ng	94

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

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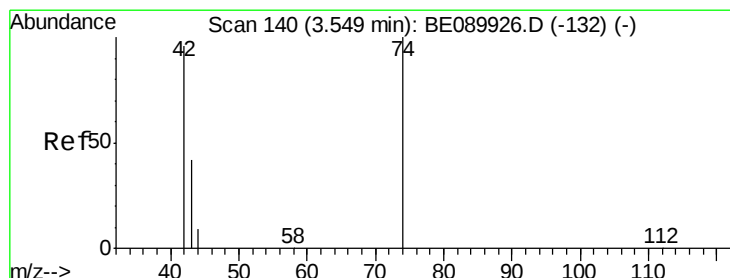
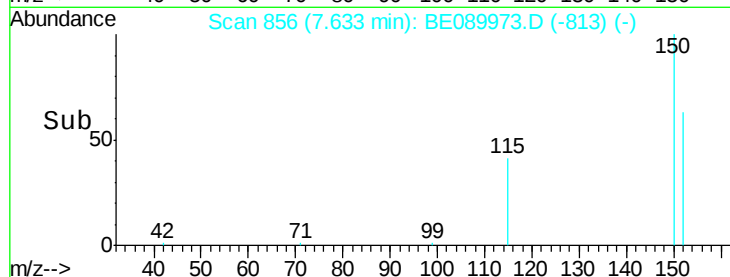
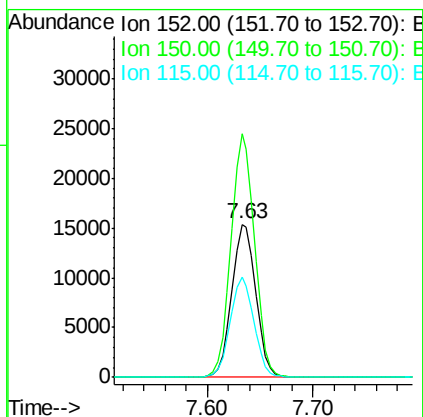
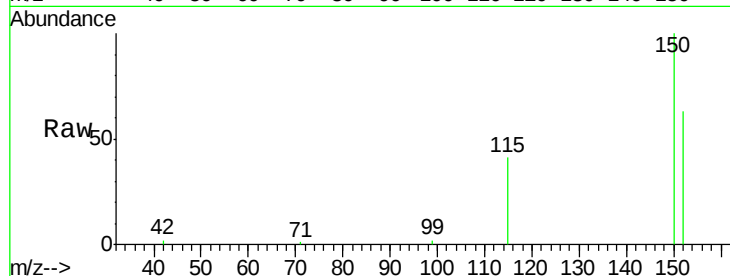


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 856
Delta R.T. -0.00 min
Lab File: BE089973.D
Acq: 27 Jun 2015 12:56

Instrument :
BNA_E
ClientSampleId :
X3SS0210006-150624

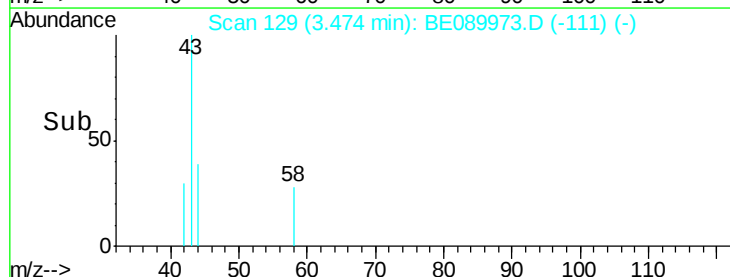
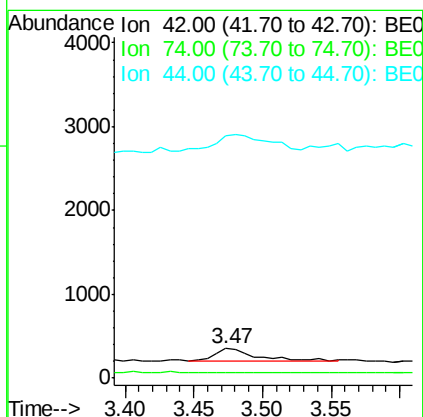
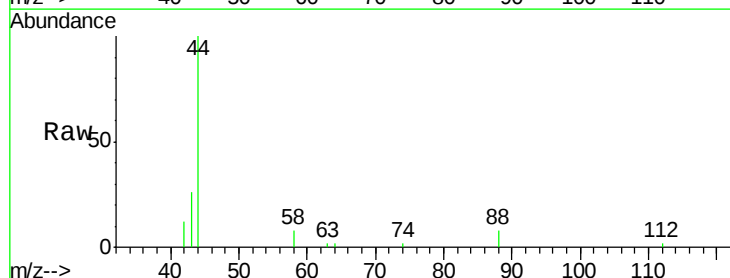
Tgt Ion:152 Resp: 24035
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 65.5 51.6 77.4

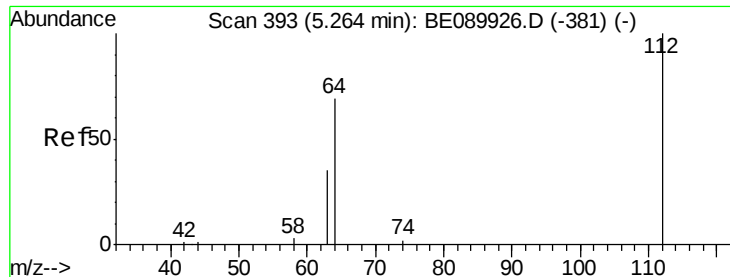


#3

n-Nitrosodimethylamine
Concen: 0.07 ng
RT: 3.47 min Scan# 129
Delta R.T. -0.08 min
Lab File: BE089973.D
Acq: 27 Jun 2015 12:56

Tgt Ion: 42 Resp: 290
Ion Ratio Lower Upper
42 100
74 8.3 85.4 128.2#
44 218.6 8.4 12.6#





#4

2-Fluorophenol

Concen: 13.25 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624

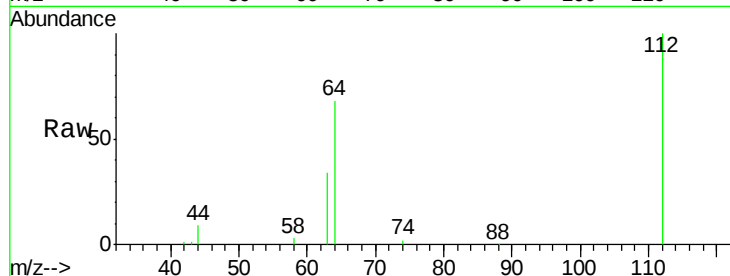
Tgt Ion: 112 Resp: 57488

Ion Ratio Lower Upper

112 100

64 72.4 57.4 86.2

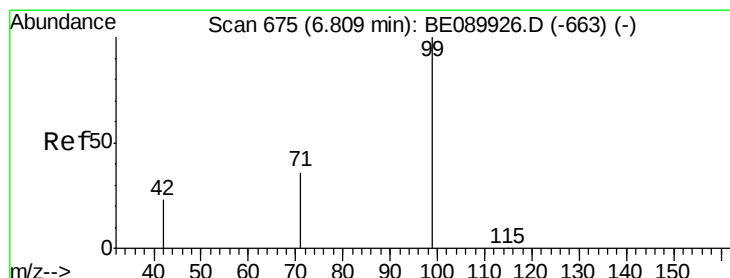
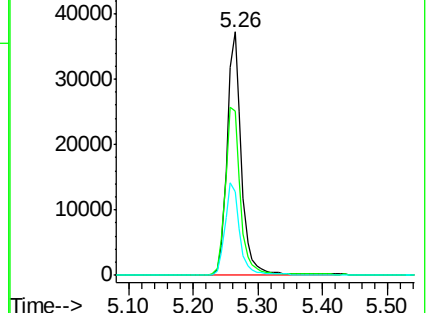
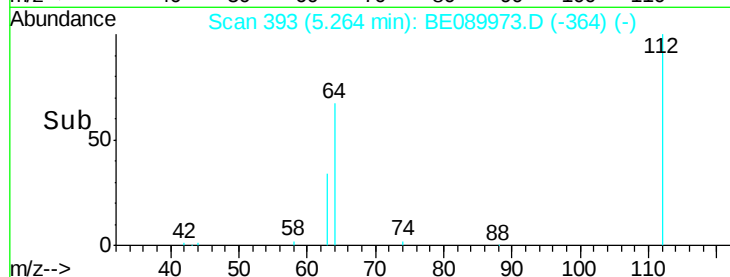
63 38.3 31.2 46.8



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: 14.20 ng

RT: 6.81 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

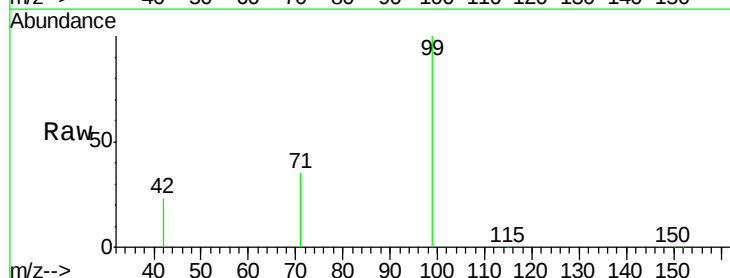
Tgt Ion: 99 Resp: 94440

Ion Ratio Lower Upper

99 100

42 22.6 19.5 29.3

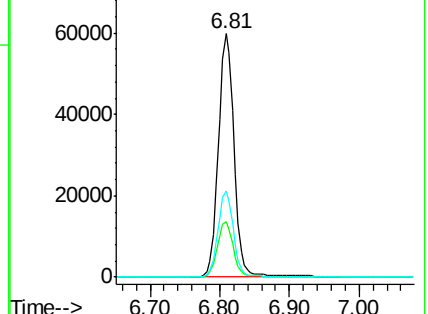
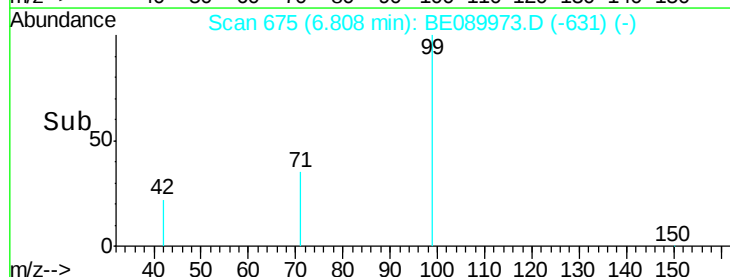
71 34.8 27.8 41.6

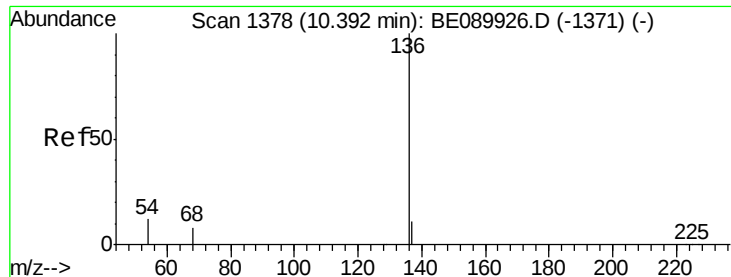


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

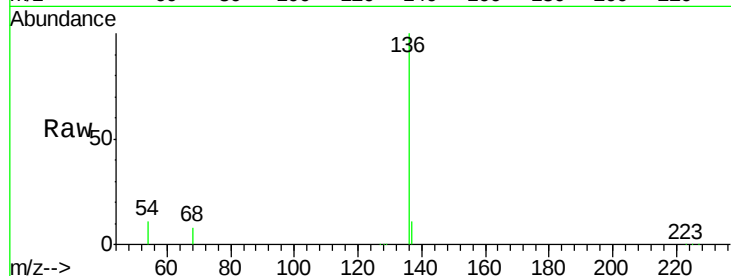




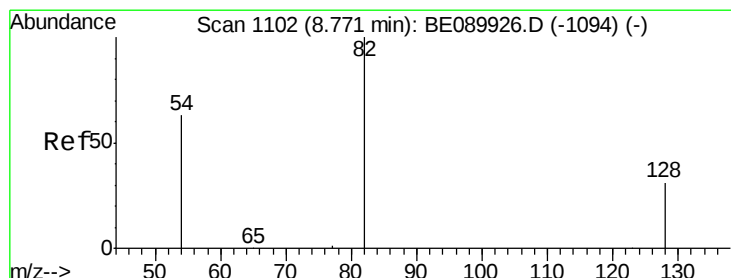
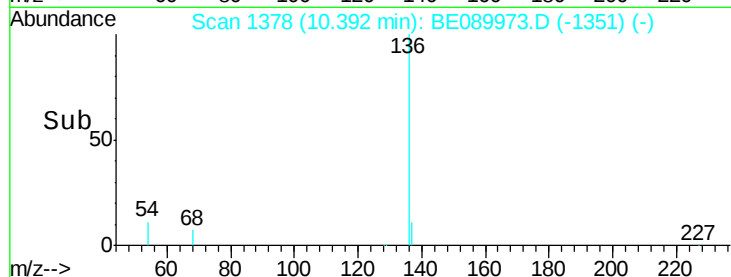
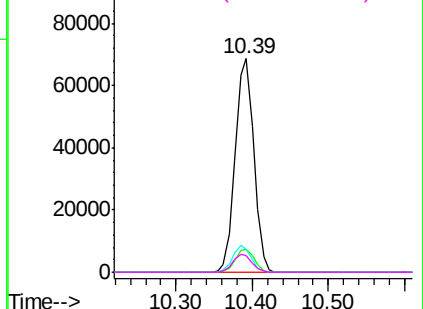
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BE089973.D
Acq: 27 Jun 2015 12:56

Instrument :
BNA_E
ClientSampleId :
X3SS0210006-150624

Tgt Ion:	136	Resp:	115772
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.7	9.7	14.5
68	7.5	6.5	9.7

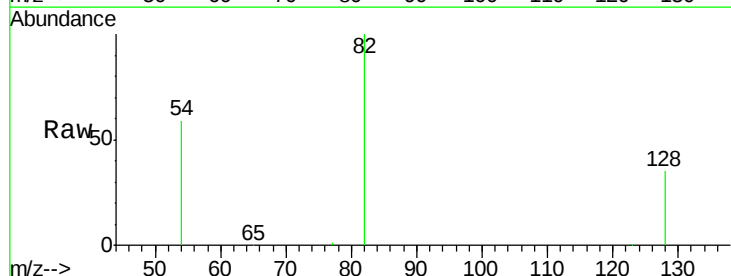


Abundance Ion 136.00 (135.70 to 136.70): BE089973.D (-1351) (-)
Ion 137.00 (136.70 to 137.70): BE089973.D (-1351) (-)
Ion 54.00 (53.70 to 54.70): BE089973.D (-1351) (-)
Ion 68.00 (67.70 to 68.70): BE089973.D (-1351) (-)

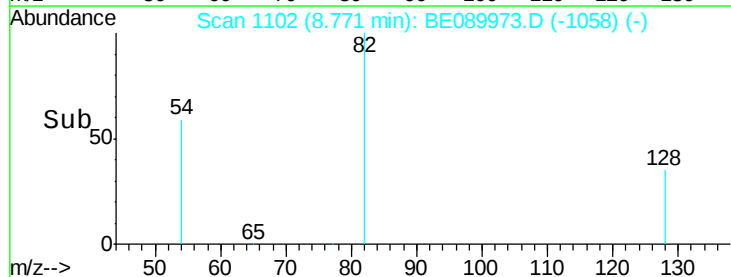
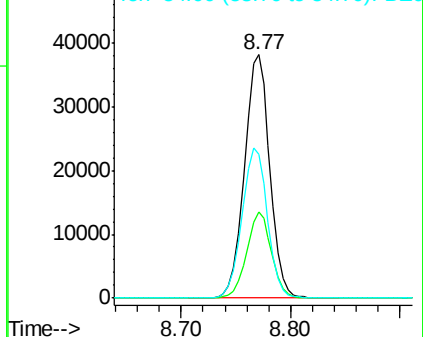


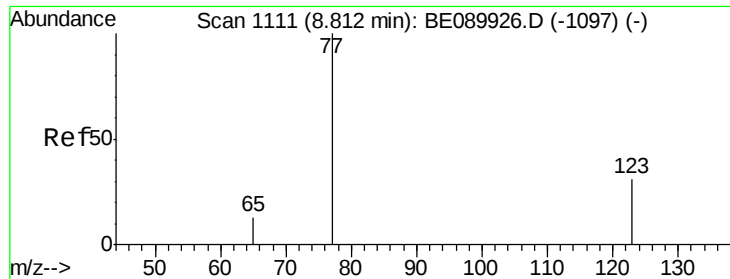
#7
Nitrobenzene-d5
Concen: 7.06 ng
RT: 8.77 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BE089973.D
Acq: 27 Jun 2015 12:56

Tgt Ion:	82	Resp:	60875
Ion	Ratio	Lower	Upper
82	100		
128	35.2	25.6	38.4
54	59.1	51.2	76.8



Abundance Ion 82.00 (81.70 to 82.70): BE089973.D (-1058) (-)
Ion 128.00 (127.70 to 128.70): BE089973.D (-1058) (-)
Ion 54.00 (53.70 to 54.70): BE089973.D (-1058) (-)





#8

Nitrobenzene

Concen: 0.02 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.04 min

Lab File: BE089973.D

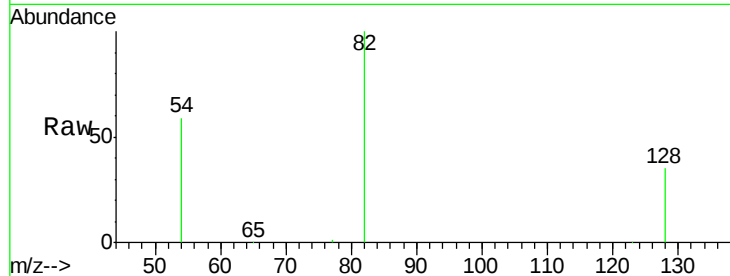
Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624



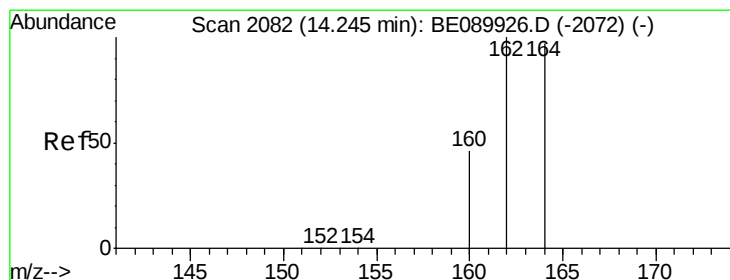
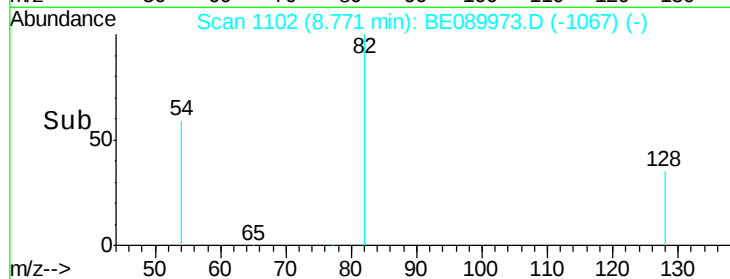
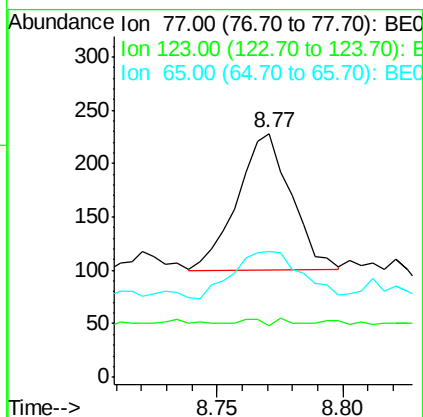
Tgt Ion: 77 Resp: 189

Ion Ratio Lower Upper

77 100

123 1.6 26.6 39.8#

65 47.1 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: BE089973.D

Acq: 27 Jun 2015 12:56

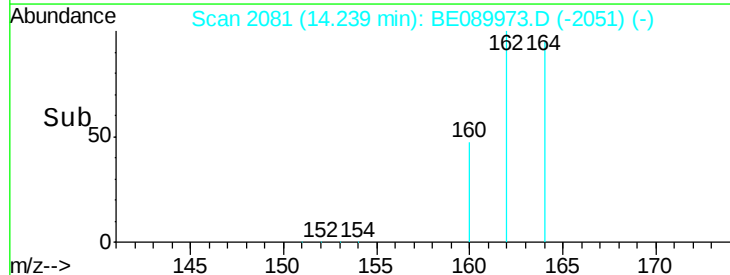
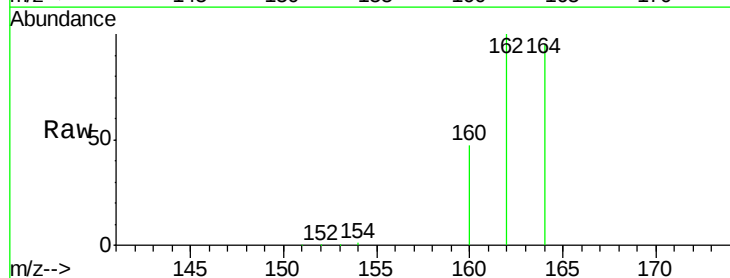
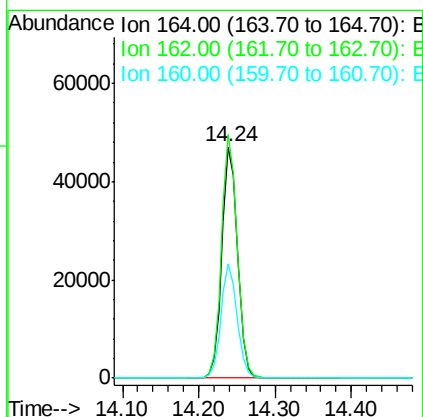
Tgt Ion: 164 Resp: 67070

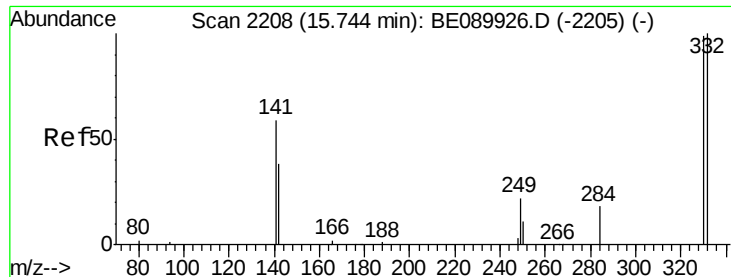
Ion Ratio Lower Upper

164 100

162 105.3 82.7 124.1

160 49.6 38.3 57.5

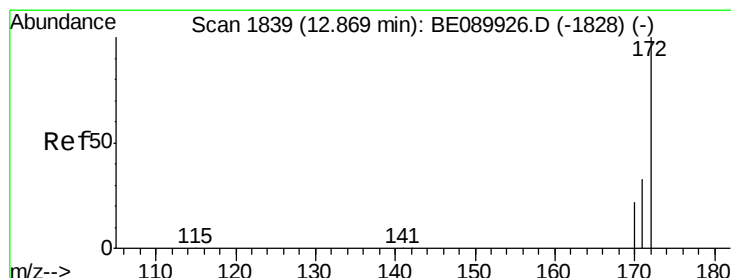
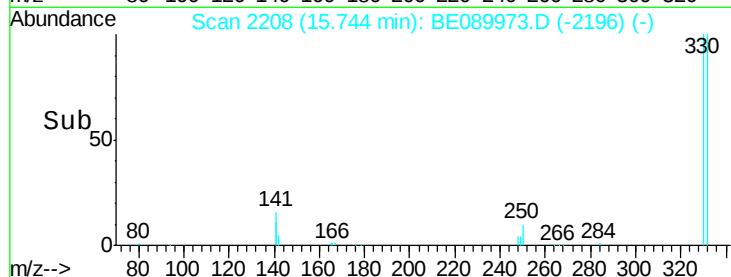
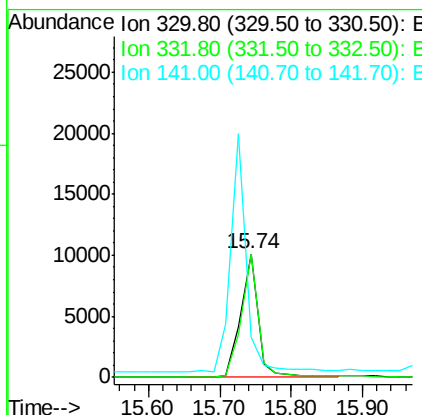
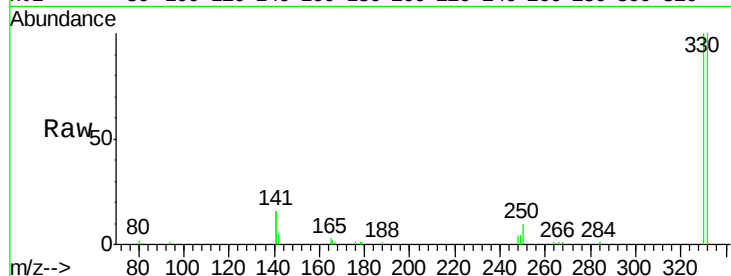




#13
 2,4,6-Tribromophenol
 Concen: 13.95 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

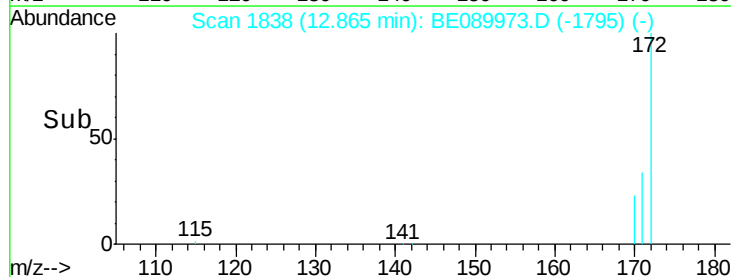
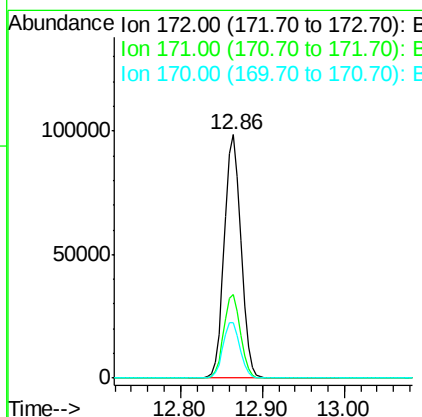
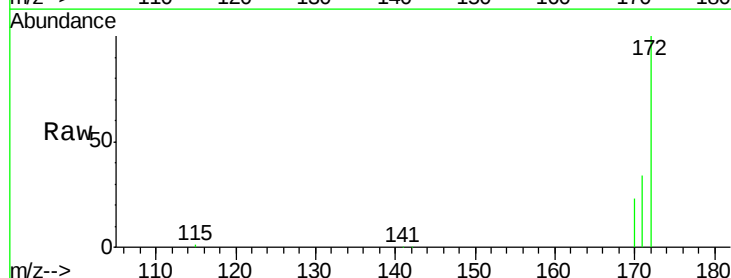
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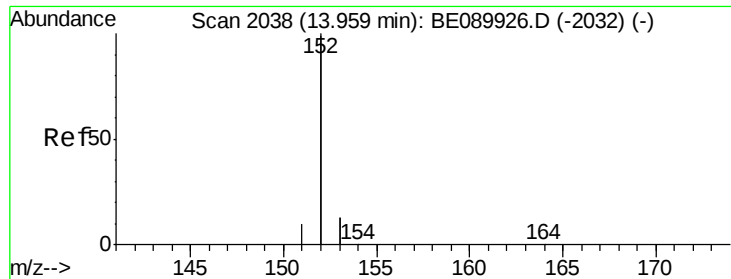
Tgt Ion:330 Resp: 16797
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.9 116.9
 141 178.0 142.8 214.2



#14
 2-Fluorobiphenyl
 Concen: 7.08 ng
 RT: 12.86 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

Tgt Ion:172 Resp: 138310
 Ion Ratio Lower Upper
 172 100
 171 34.1 26.7 40.1
 170 22.6 17.5 26.3





#15

Acenaphthylene

Concen: 0.04 ng

RT: 13.95 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624

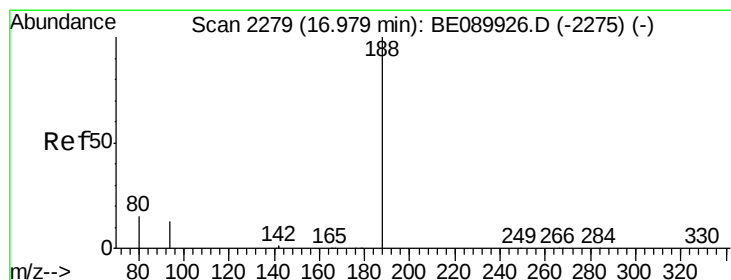
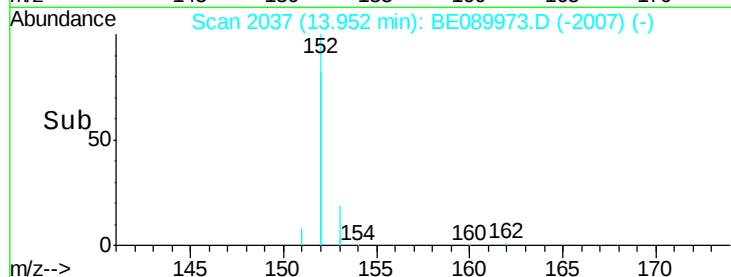
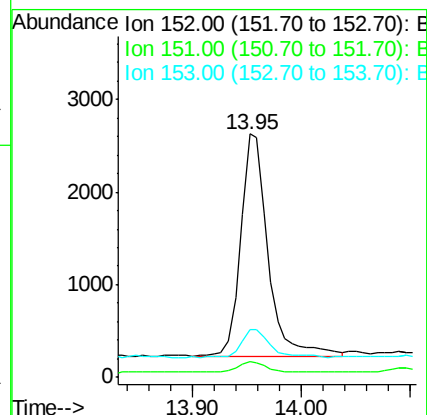
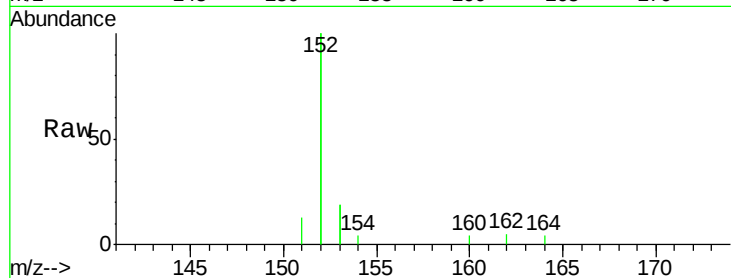
Tgt Ion:152 Resp: 4175

Ion Ratio Lower Upper

152 100

151 5.1 3.9 5.9

153 14.7 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: BE089973.D

Acq: 27 Jun 2015 12:56

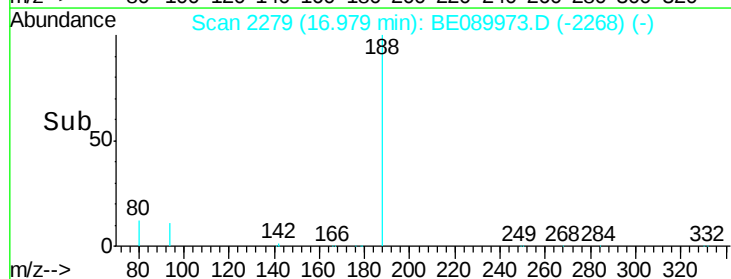
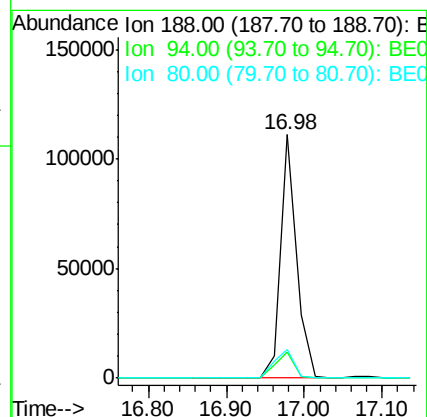
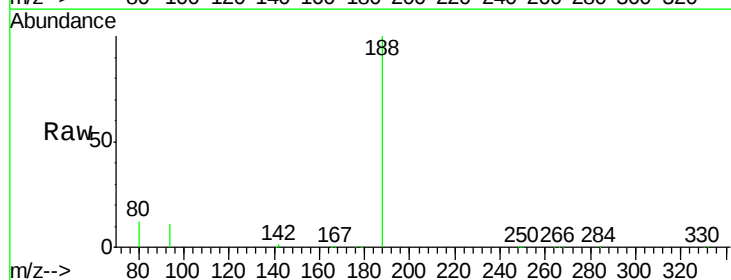
Tgt Ion:188 Resp: 158225

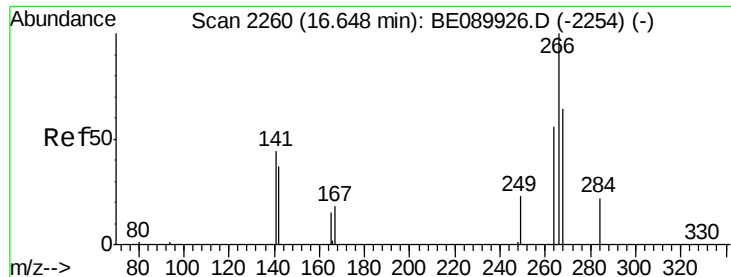
Ion Ratio Lower Upper

188 100

94 10.7 10.6 16.0

80 11.8 11.8 17.6#





#21

Pentachlorophenol

Concen: 0.50 ng

RT: 16.63 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624

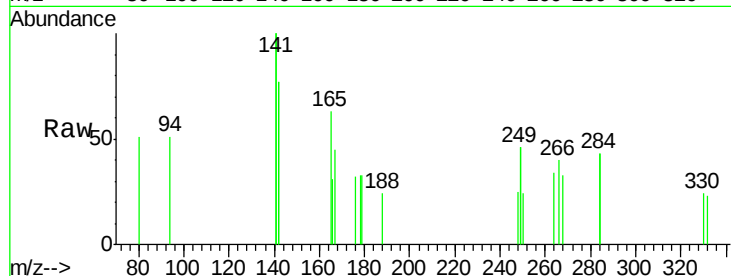
Tgt Ion:266 Resp: 109

Ion Ratio Lower Upper

266 100

268 83.0 54.4 81.6#

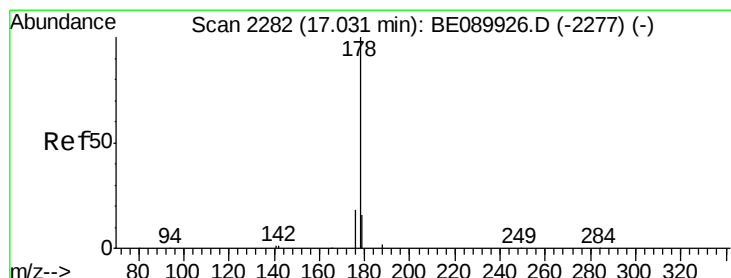
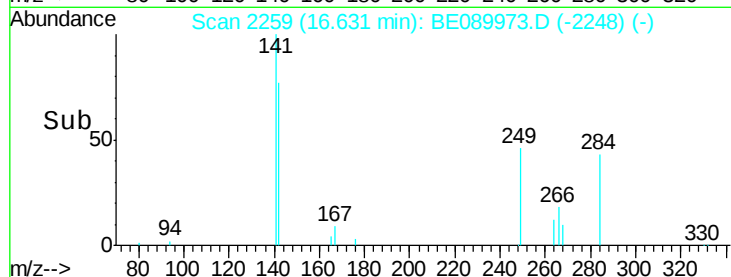
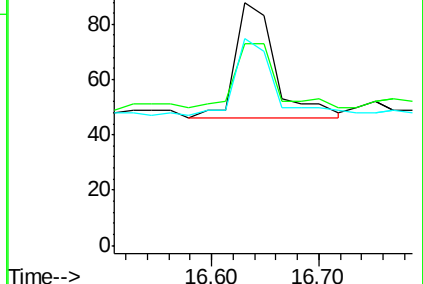
264 85.2 48.2 72.2#



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: 0.02 ng

RT: 17.12 min Scan# 2287

Delta R.T. 0.09 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

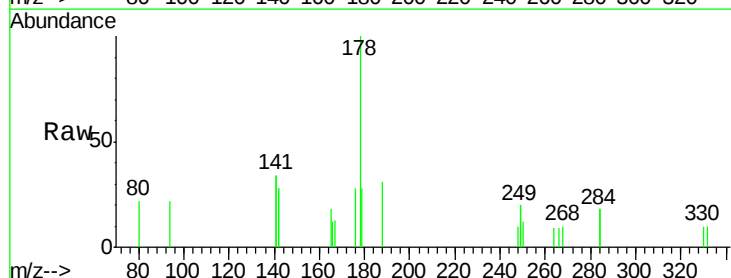
Tgt Ion:178 Resp: 828

Ion Ratio Lower Upper

178 100

176 21.0 15.4 23.2

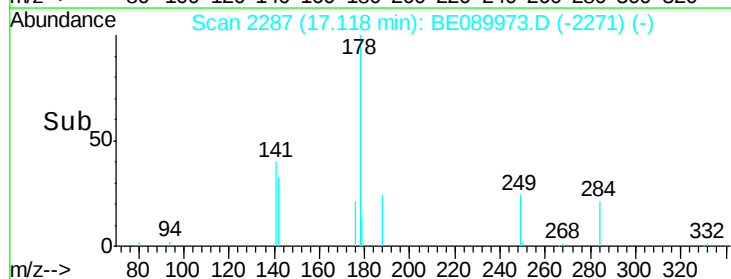
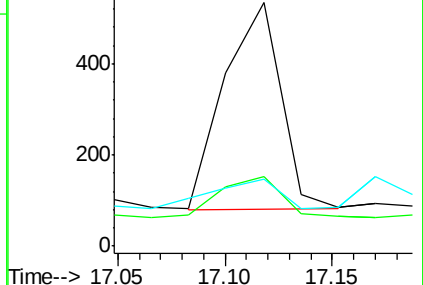
179 17.0 12.6 19.0

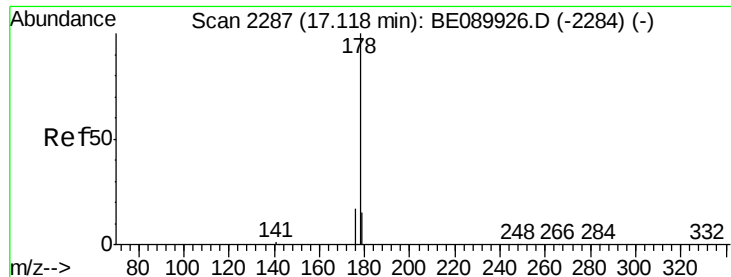


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.02 ng

RT: 17.12 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624

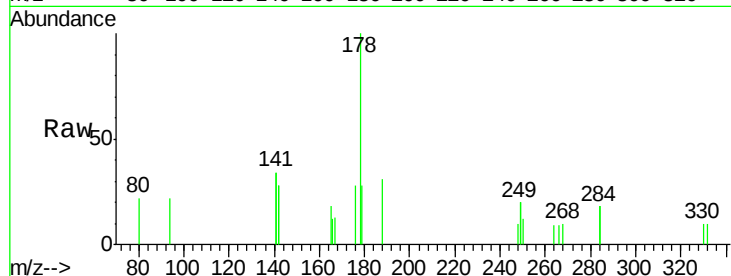
Tgt Ion:178 Resp: 888

Ion Ratio Lower Upper

178 100

176 23.5 14.6 21.8#

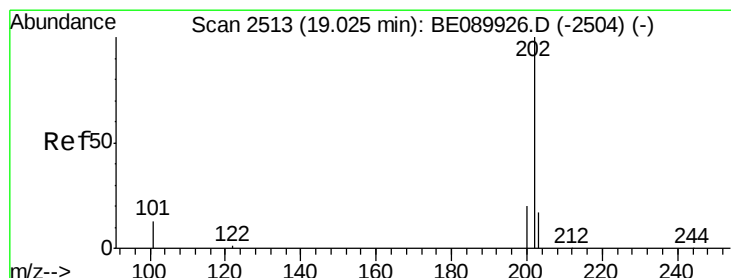
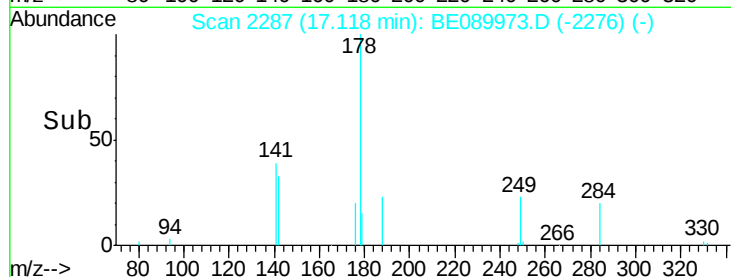
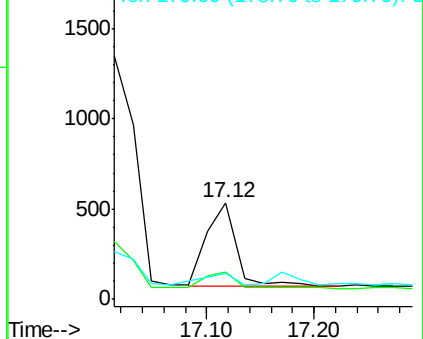
179 15.9 12.3 18.5



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: 0.22 ng

RT: 19.02 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

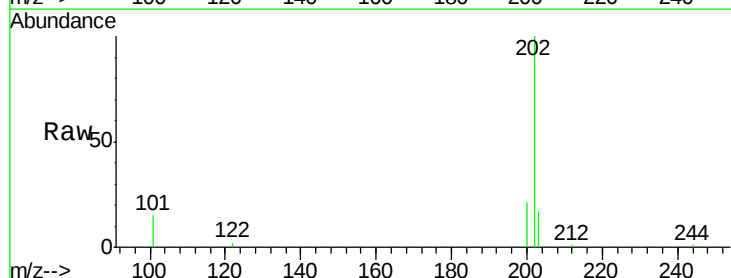
Tgt Ion:202 Resp: 9306

Ion Ratio Lower Upper

202 100

101 13.9 10.6 16.0

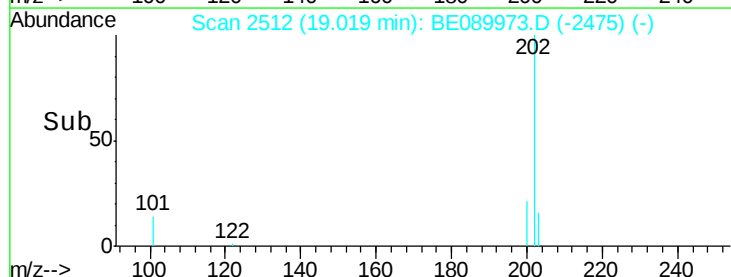
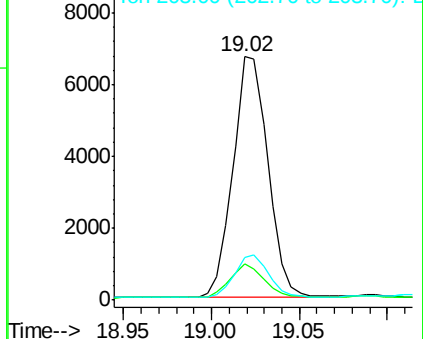
203 17.2 13.8 20.8

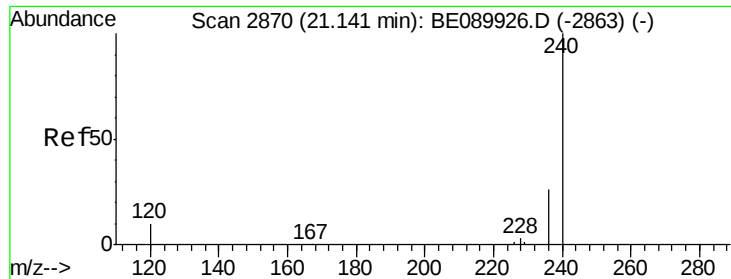


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2870

Delta R.T. -0.01 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624

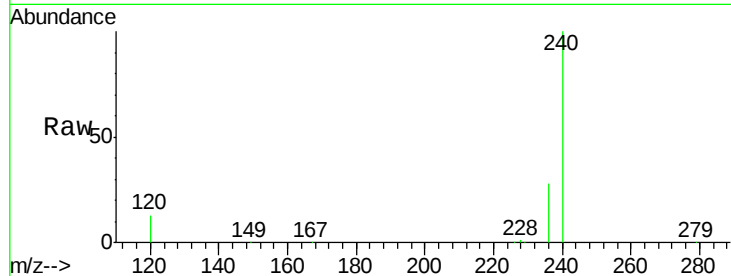
Tgt Ion:240 Resp: 189779

Ion Ratio Lower Upper

240 100

120 12.7 7.9 11.9#

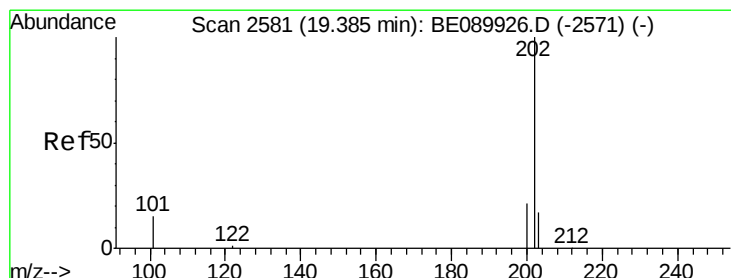
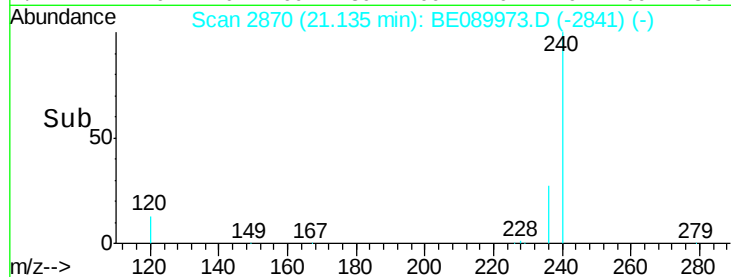
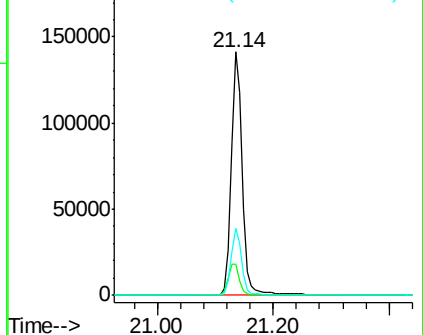
236 27.5 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 0.20 ng

RT: 19.38 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

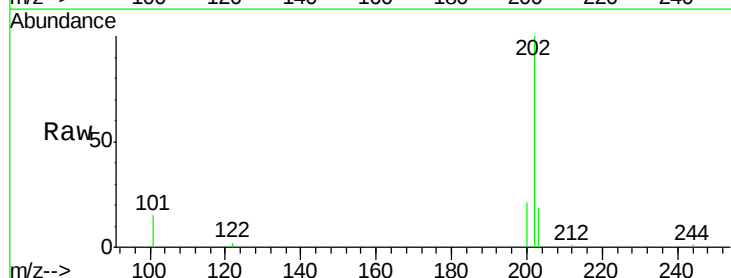
Tgt Ion:202 Resp: 9499

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

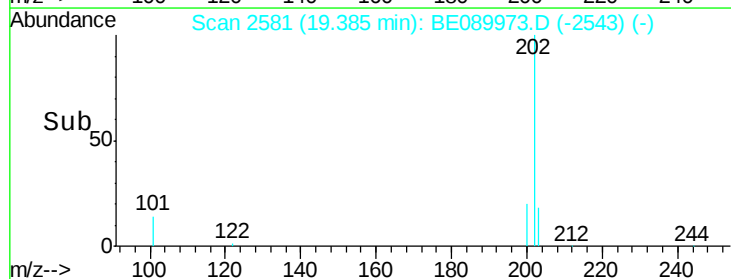
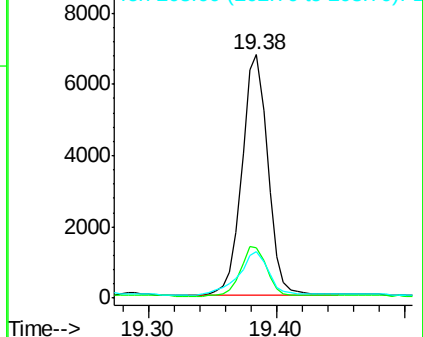
203 20.6 13.9 20.9

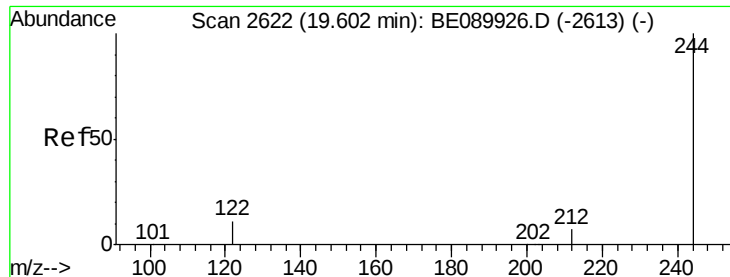


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

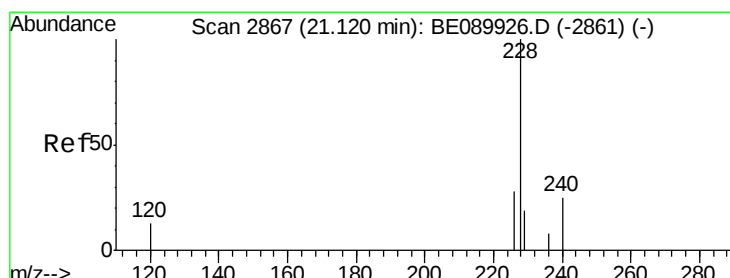
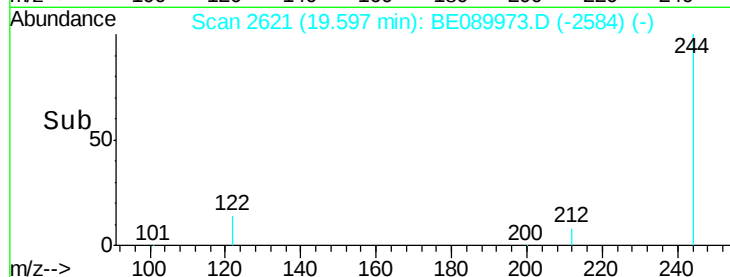
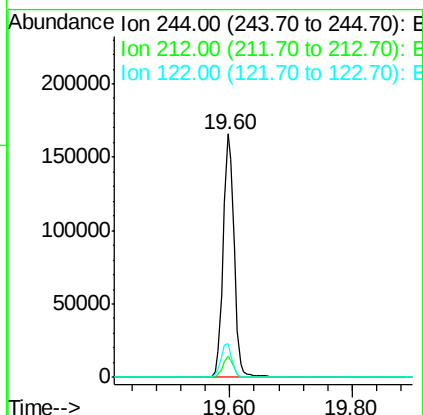
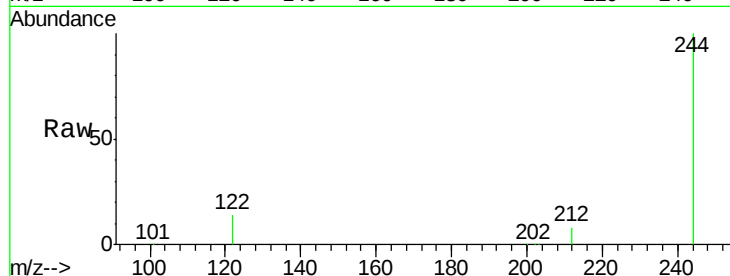




#27
 Terphenyl-d14
 Concen: 6.38 ng
 RT: 19.60 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

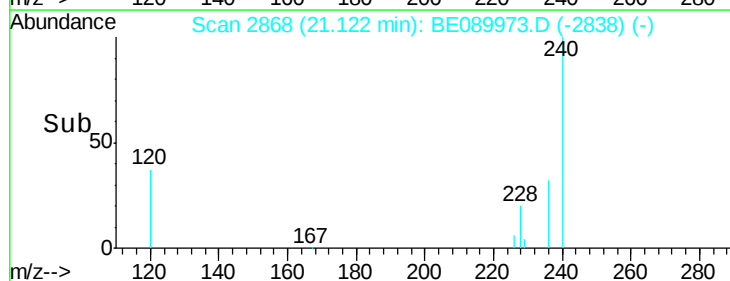
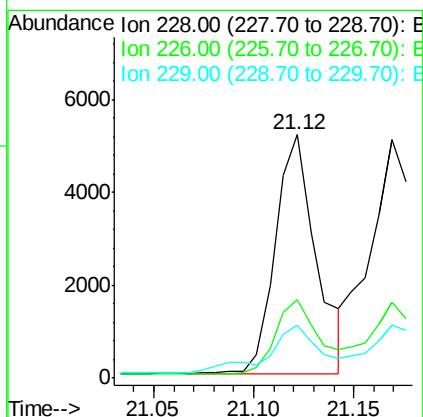
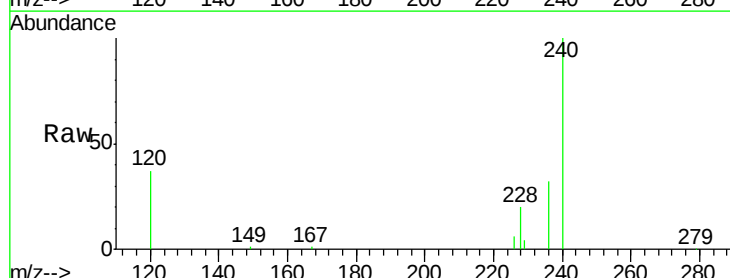
Instrument :
 BNA_E
 ClientSampleId :
 X3SS0210006-150624

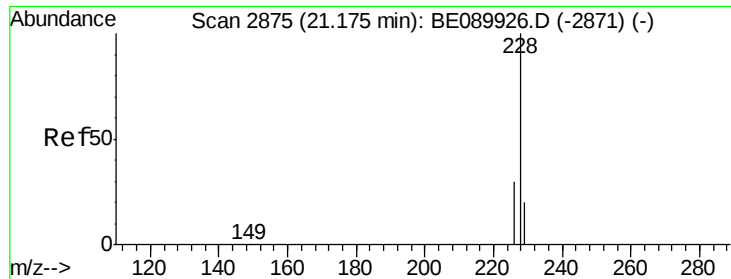
Tgt Ion:244 Resp: 209089
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.1 9.1
 122 13.8 8.7 13.1#



#28
 Benzo(a)anthracene
 Concen: 0.16 ng
 RT: 21.12 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

Tgt Ion:228 Resp: 7275
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.2 33.4
 229 21.8 15.3 22.9





#29

Chrysene

Concen: 0.16 ng

RT: 21.17 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624

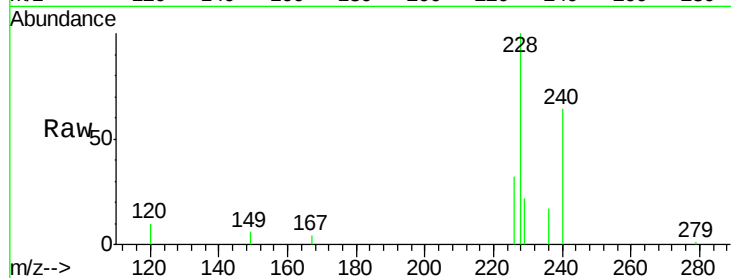
Tgt Ion:228 Resp: 8063

Ion Ratio Lower Upper

228 100

226 31.7 23.7 35.5

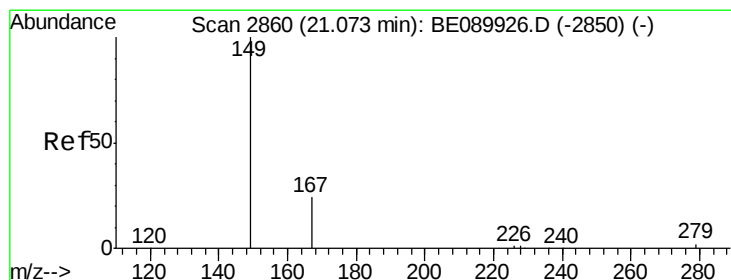
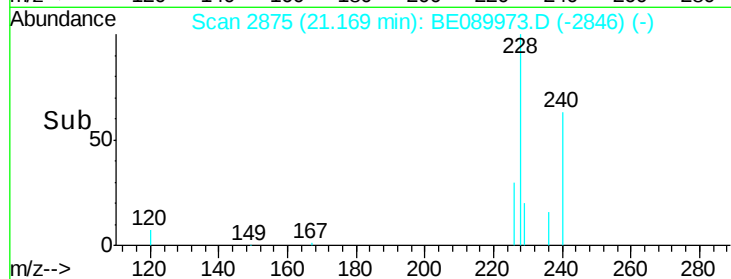
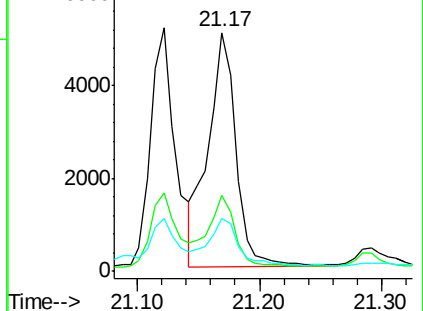
229 22.0 15.8 23.8



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: 1.90 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

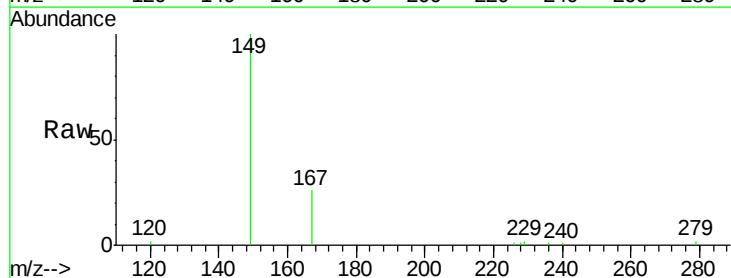
Tgt Ion:149 Resp: 7360

Ion Ratio Lower Upper

149 100

167 27.2 20.3 30.5

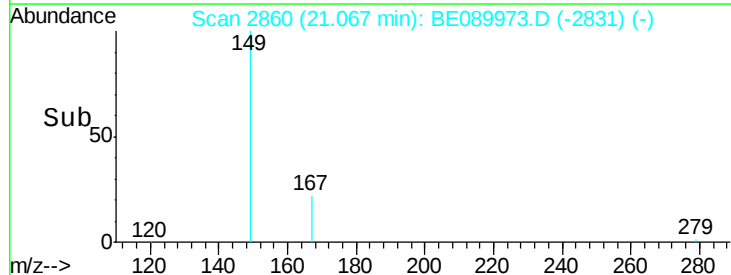
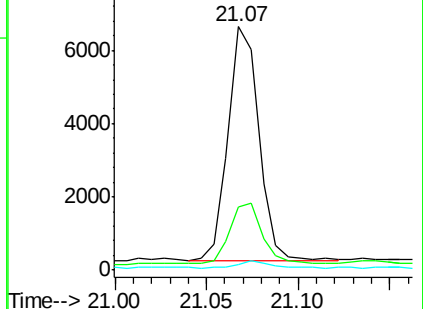
279 2.9 2.7 4.1

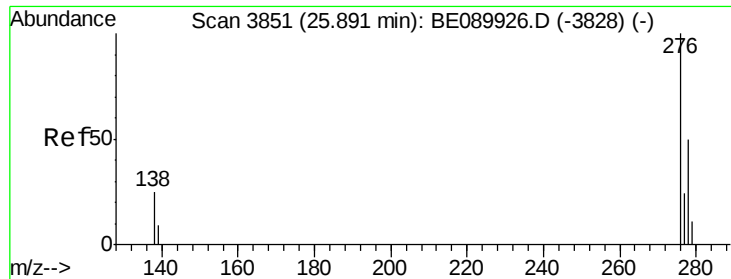


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

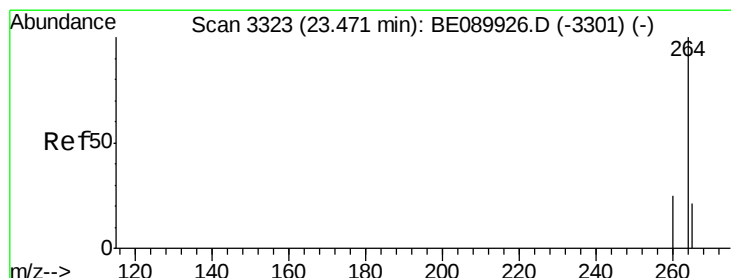
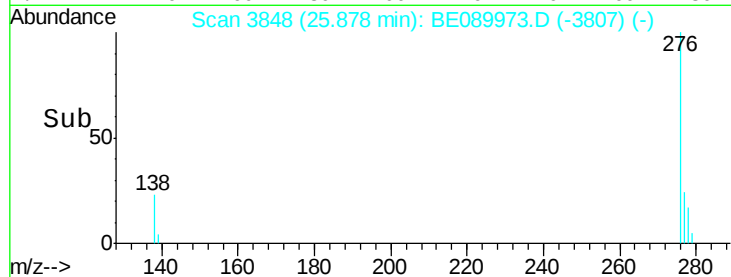
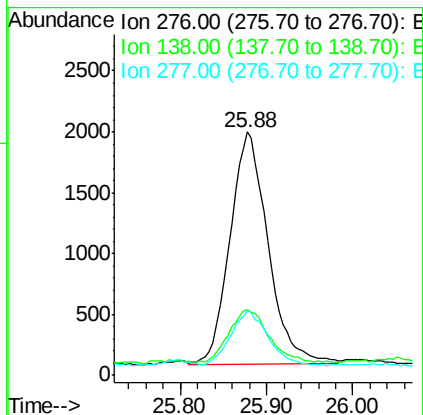
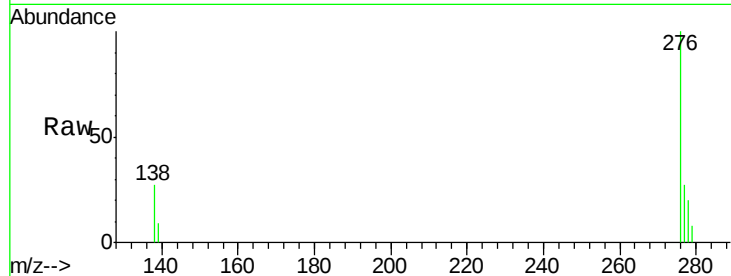




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.16 ng
 RT: 25.88 min Scan# 3848
 Delta R.T. -0.01 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

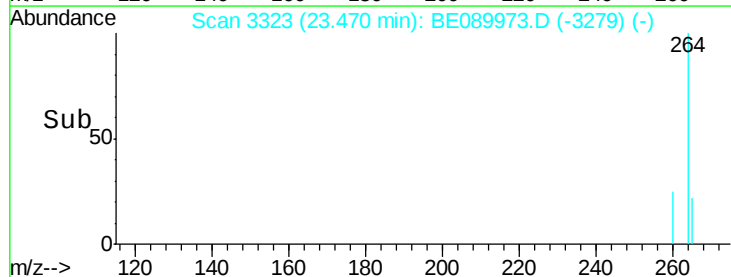
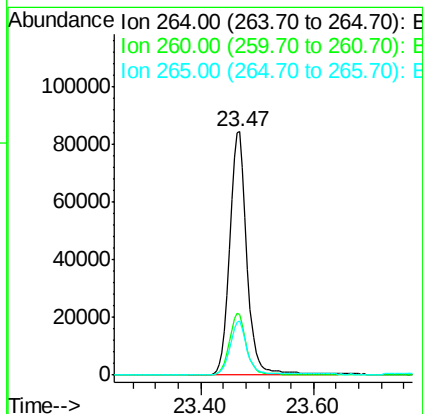
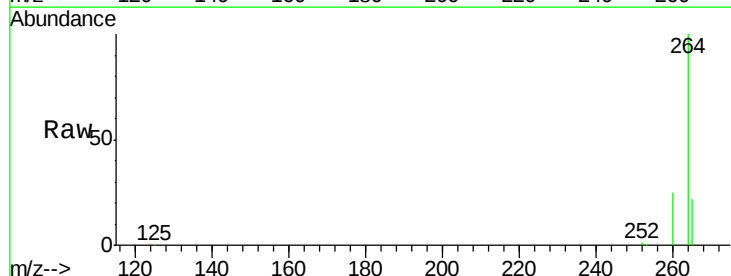
Instrument :
 BNA_E
 ClientSampleId :
 X3SS0210006-150624

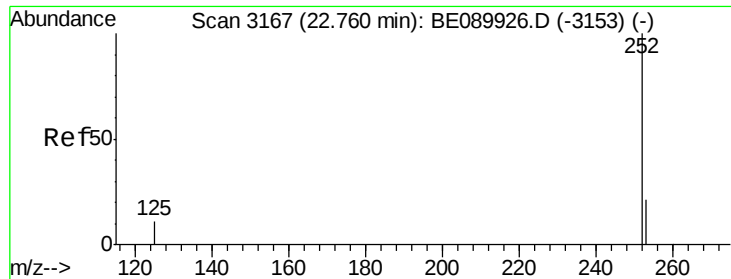
Tgt Ion: 276 Resp: 5797
 Ion Ratio Lower Upper
 276 100
 138 24.1 0.0 0.0#
 277 23.6 0.0 0.0#



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.47 min Scan# 3323
 Delta R.T. -0.00 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

Tgt Ion: 264 Resp: 176560
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.8 29.6
 265 22.2 17.3 25.9





#33

Benzo(b)fluoranthene

Concen: 0.30 ng

RT: 22.75 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624

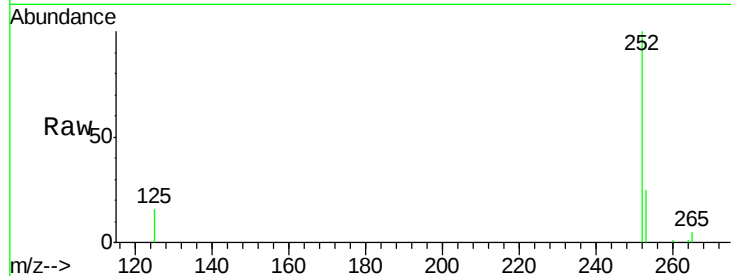
Tgt Ion:252 Resp: 11276

Ion Ratio Lower Upper

252 100

253 25.0 17.3 25.9

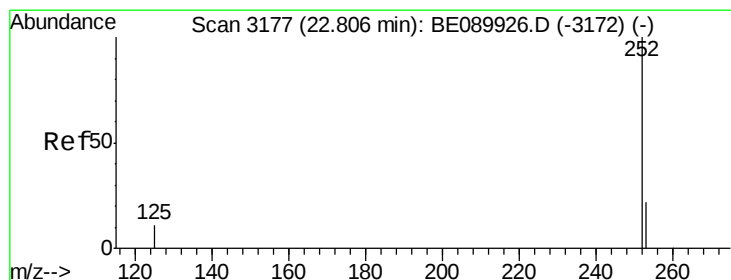
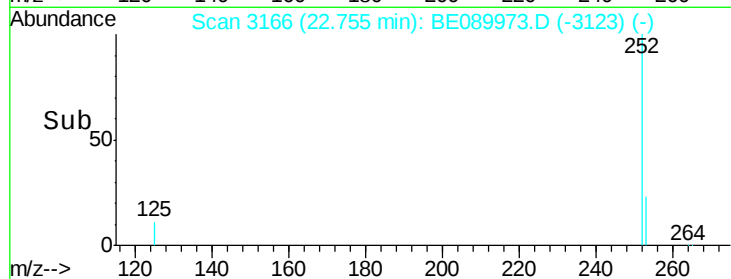
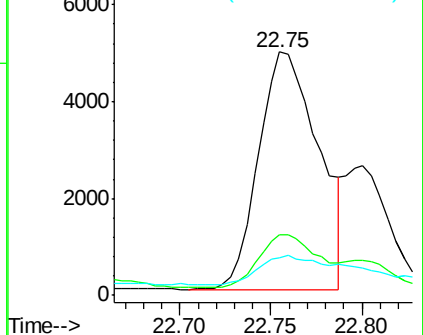
125 15.6 9.3 13.9#



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: 0.27 ng

RT: 22.75 min Scan# 3166

Delta R.T. -0.05 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

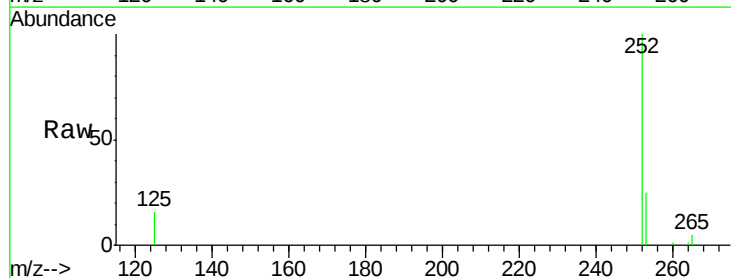
Tgt Ion:252 Resp: 11276

Ion Ratio Lower Upper

252 100

253 25.0 17.9 26.9

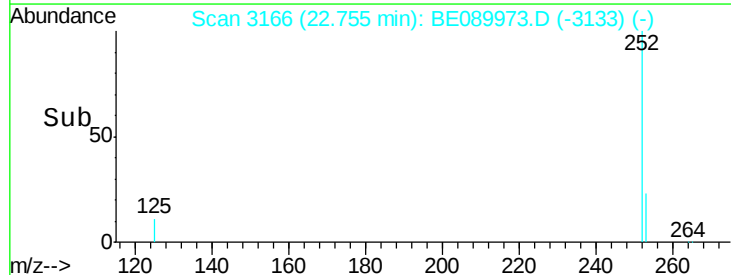
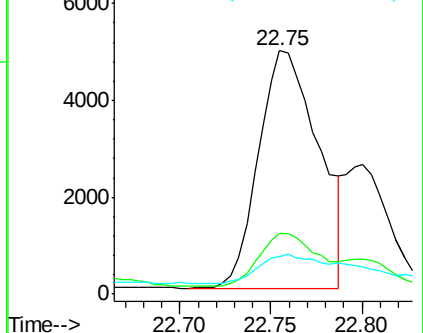
125 15.6 9.2 13.8#

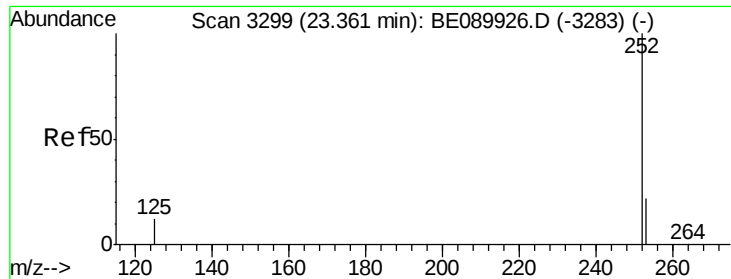


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.21 ng

RT: 23.36 min Scan# 3298

Delta R.T. -0.01 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624

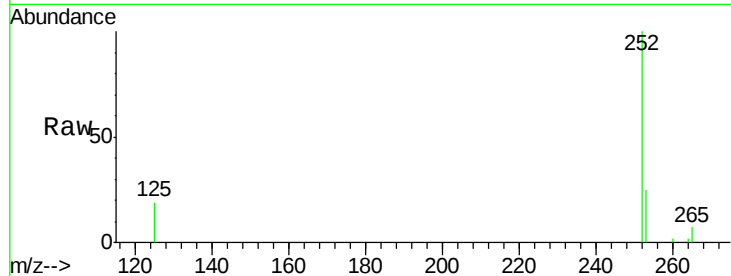
Tgt Ion: 252 Resp: 7135

Ion Ratio Lower Upper

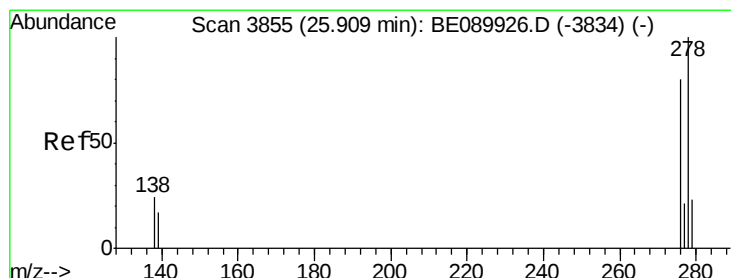
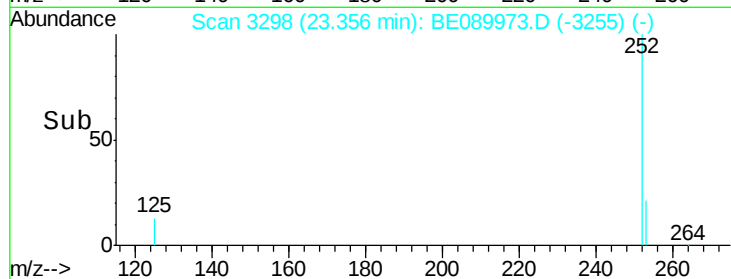
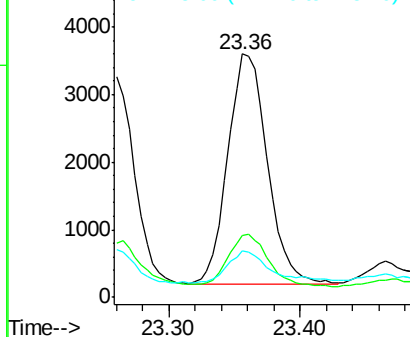
252 100

253 25.3 17.8 26.6

125 18.9 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: 0.05 ng

RT: 25.89 min Scan# 3850

Delta R.T. -0.02 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

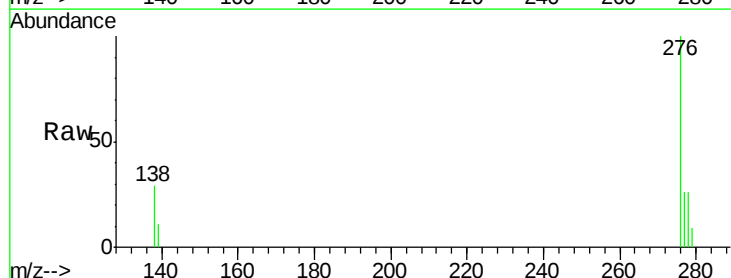
Tgt Ion: 278 Resp: 1394

Ion Ratio Lower Upper

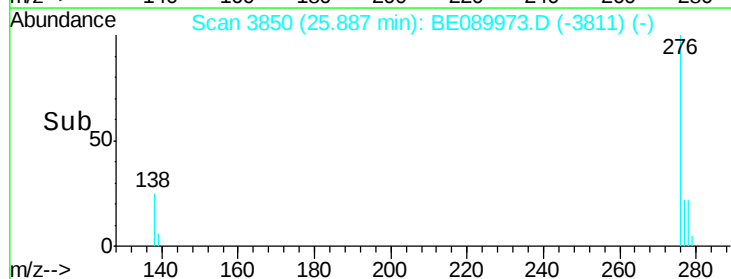
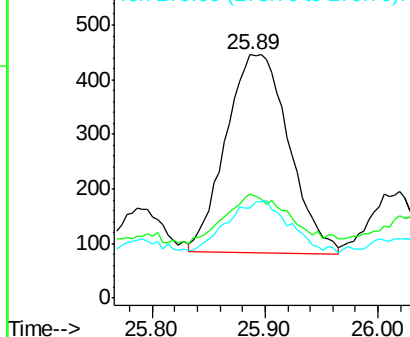
278 100

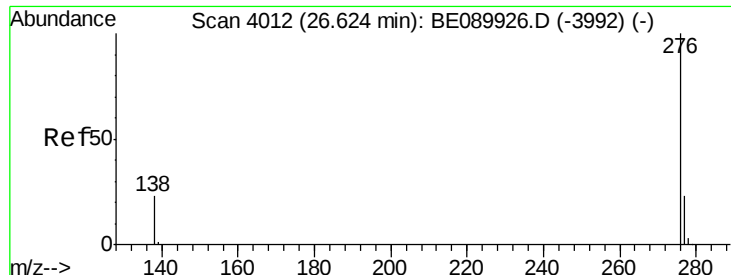
139 42.8 14.1 21.1#

279 37.0 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: 0.20 ng

RT: 26.62 min Scan# 4011

Delta R.T. -0.00 min

Lab File: BE089973.D

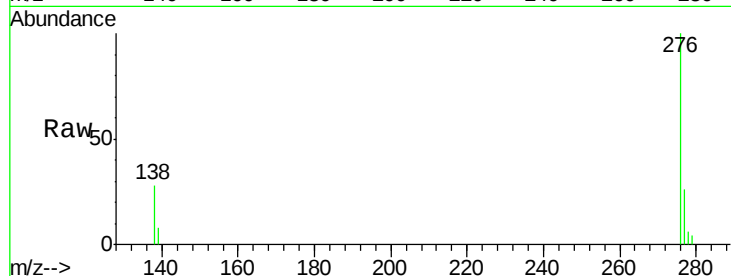
Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624



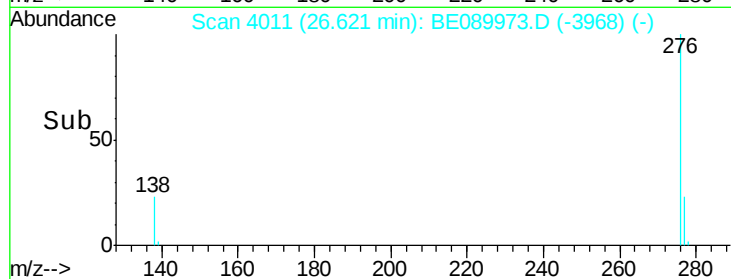
Tgt Ion: 276 Resp: 6592

Ion Ratio Lower Upper

276 100

277 25.7 19.0 28.4

138 27.5 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

