

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089978.D
 Acq On : 27 Jun 2015 15:55
 Operator : TP/IZ
 Sample : G2782-22 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624-D

Quant Time: Jun 29 00:57:14 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	24880	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	122860	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	72364	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	168065	5.00	ng	0.00
25) Chrysene-d12	21.14	240	188077	5.00	ng	0.00
32) Perylene-d12	23.47	264	175906	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.26	112	30049	6.69	ng	0.00
5) Phenol-d6	6.81	99	50476	7.33	ng	0.00
7) Nitrobenzene-d5	8.77	82	31502	3.44	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	9572	7.52	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	73281	3.47	ng	0.00
27) Terphenyl-d14	19.60	244	105402	3.25	ng	0.00

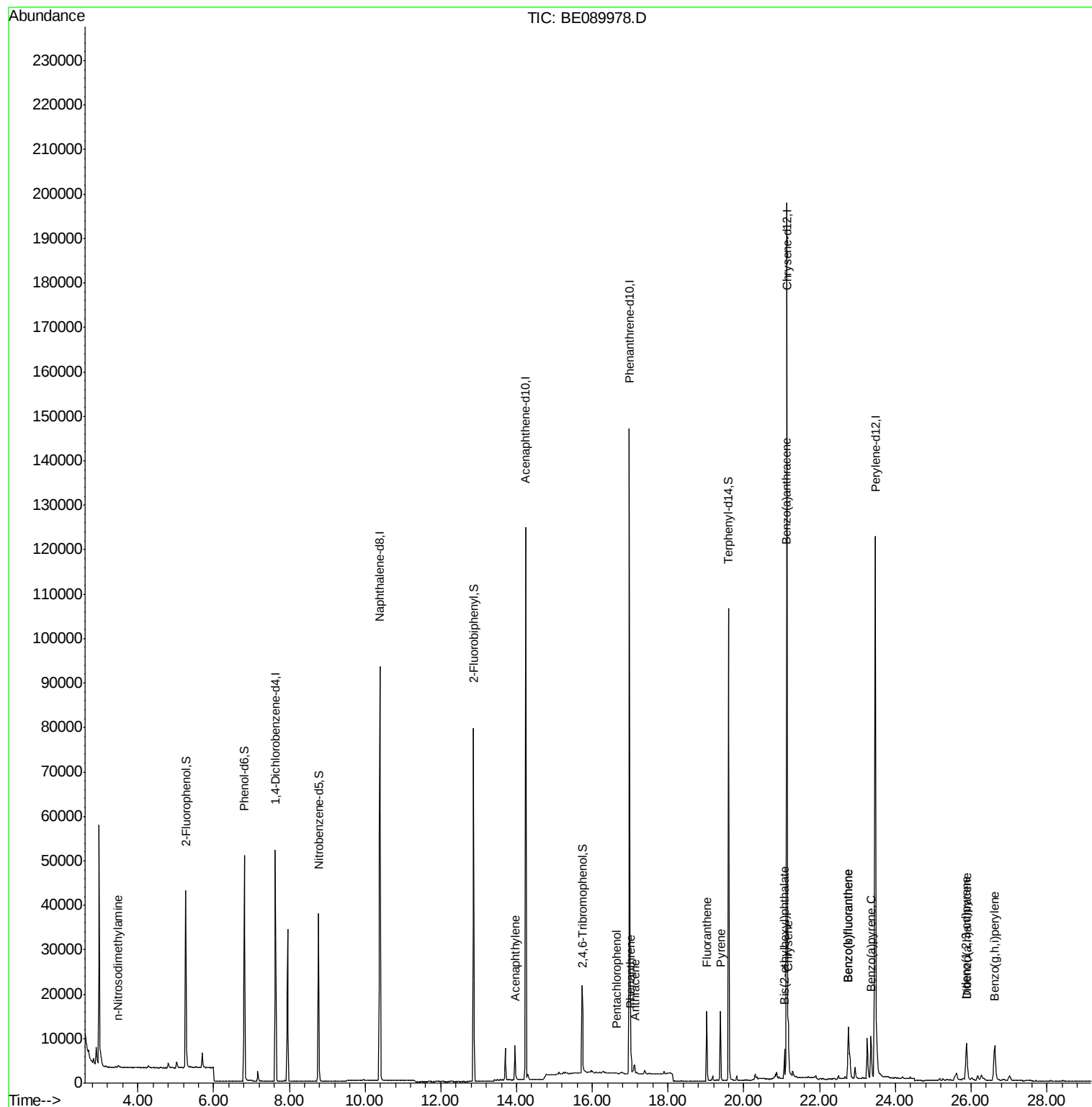
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	28	Below Cal	#	15
3) n-Nitrosodimethylamine	3.48	42	169	0.04	ng	# 1
15) Acenaphthylene	13.95	152	11650	0.09	ng	100
21) Pentachlorophenol	16.63	266	57	0.47	ng	# 69
22) Phenanthrene	17.01	178	4805	0.11	ng	97
23) Anthracene	17.12	178	2754	0.07	ng	99
24) Fluoranthene	19.02	202	14028	0.31	ng	99
26) Pyrene	19.39	202	13854	0.29	ng	97
28) Benzo(a)anthracene	21.12	228	9780	0.22	ng	91
29) Chrysene	21.17	228	11090	0.23	ng	95
30) Bis(2-ethylhexyl)phthalate	21.07	149	5942	1.55	ng	98
31) Indeno(1,2,3-cd)pyrene	25.88	276	14576	0.40	ng	# 100
33) Benzo(b)fluoranthene	22.76	252	19929	0.54	ng	# 94
34) Benzo(k)fluoranthene	22.76	252	19929	0.47	ng	# 95
35) Benzo(a)pyrene	23.36	252	13682	0.41	ng	# 95
36) Dibenzo(a,h)anthracene	25.89	278	3038	0.10	ng	# 79
37) Benzo(g,h,i)perylene	26.62	276	18178	0.55	ng	98

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

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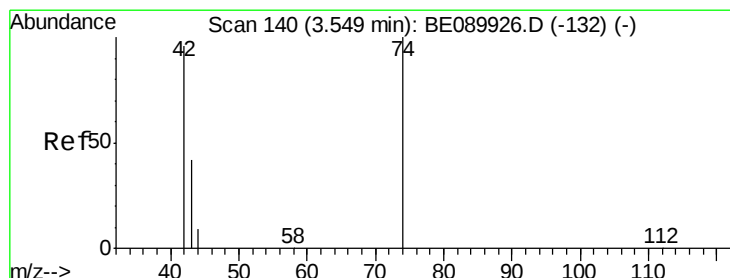
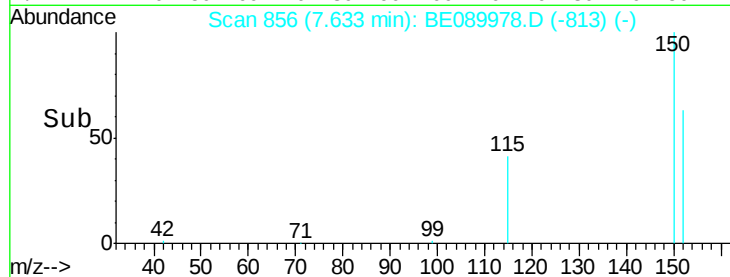
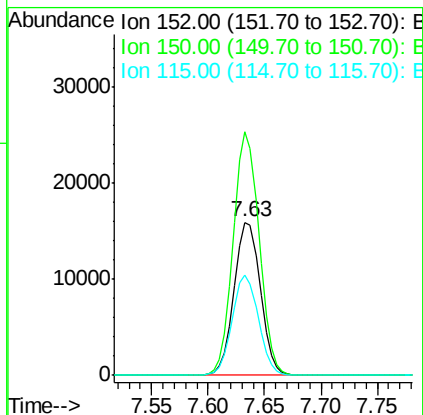
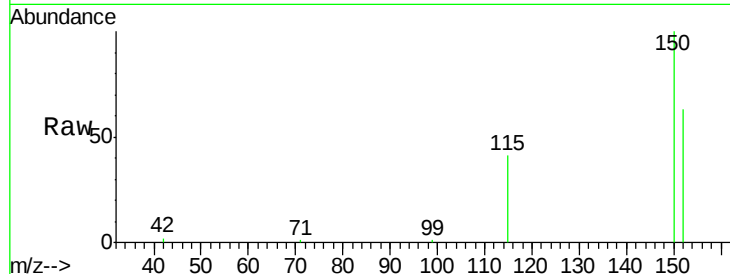


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 856
Delta R.T. -0.00 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

Instrument :
BNA_E
ClientSampleId :
X3SS0190006-150624-D

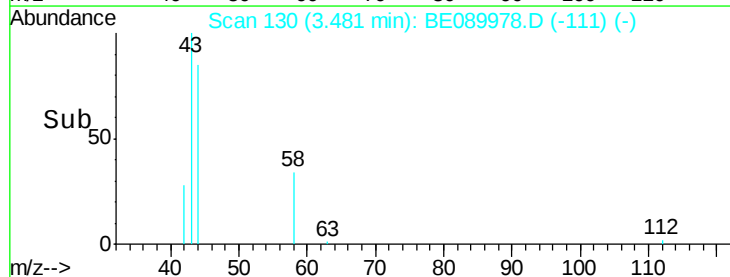
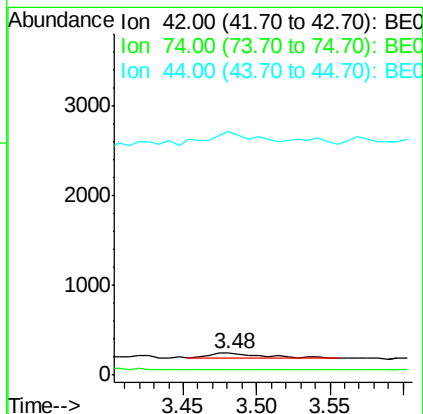
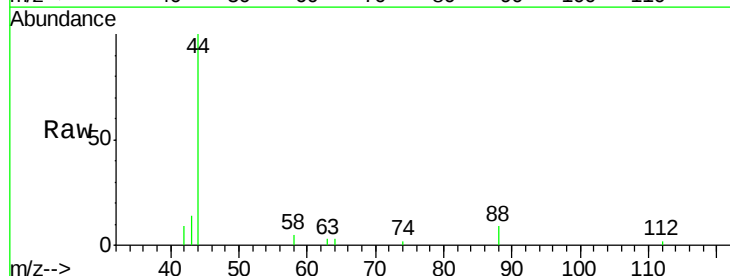
Tgt Ion:152 Resp: 24880
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 65.5 51.6 77.4

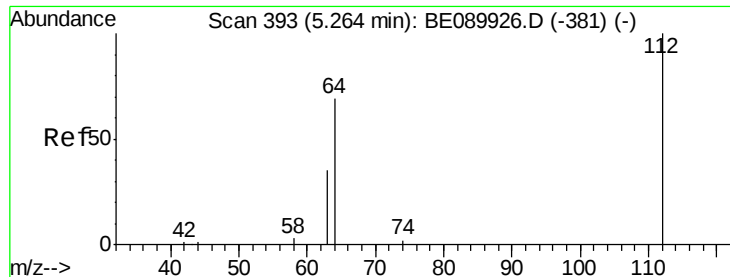


#3

n-Nitrosodimethylamine
Concen: 0.04 ng
RT: 3.48 min Scan# 130
Delta R.T. -0.07 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

Tgt Ion: 42 Resp: 169
Ion Ratio Lower Upper
42 100
74 0.0 85.4 128.2#
44 205.3 8.4 12.6#





#4

2-Fluorophenol

Concen: 6.69 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624-D

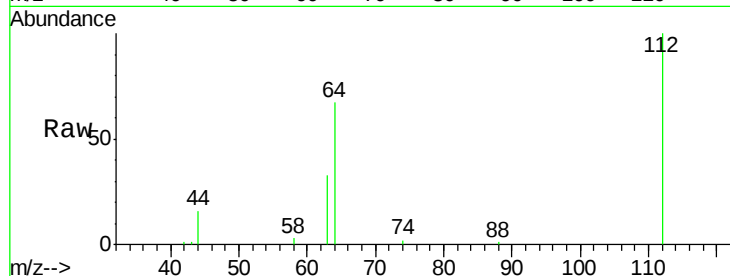
Tgt Ion: 112 Resp: 30049

Ion Ratio Lower Upper

112 100

64 72.5 57.4 86.2

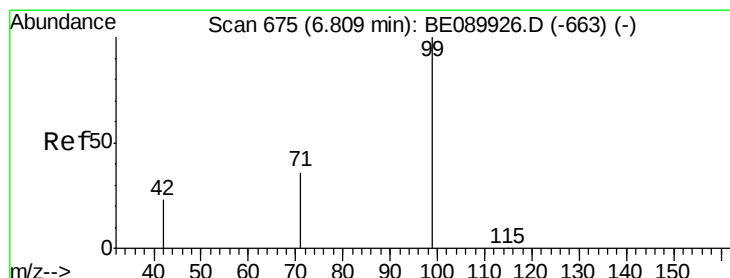
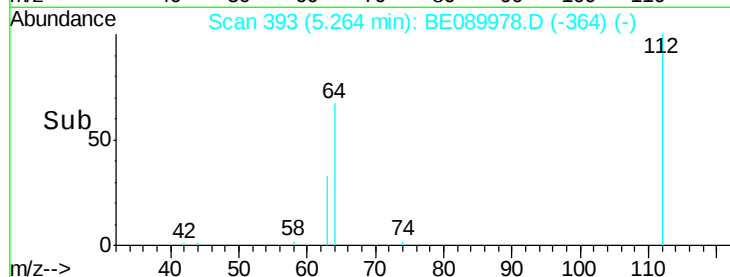
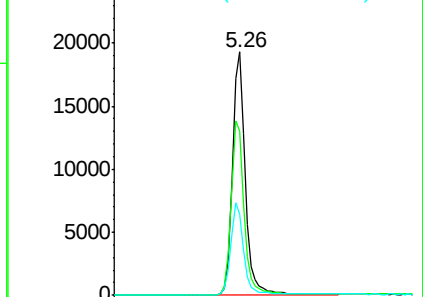
63 37.9 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 7.33 ng

RT: 6.81 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

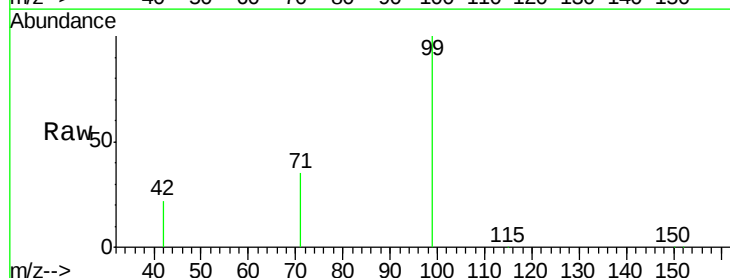
Tgt Ion: 99 Resp: 50476

Ion Ratio Lower Upper

99 100

42 22.1 19.5 29.3

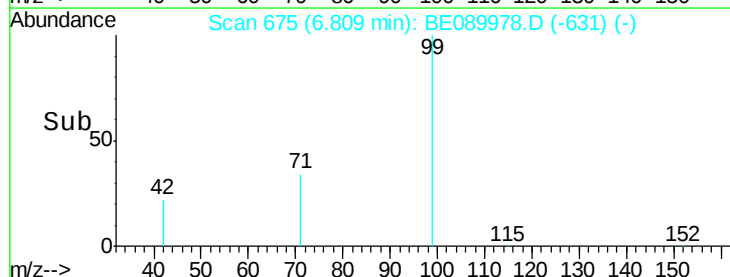
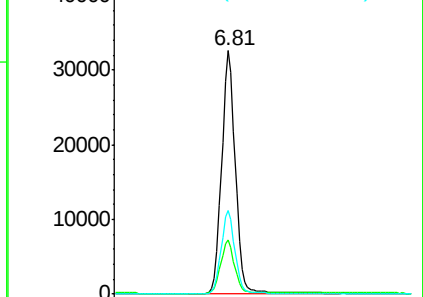
71 34.4 27.8 41.6

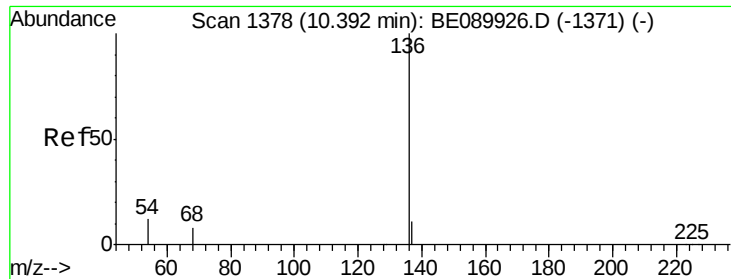


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

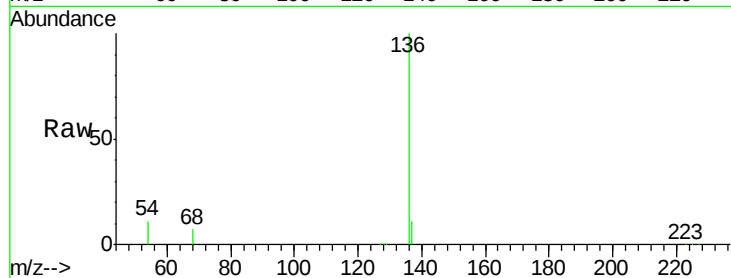




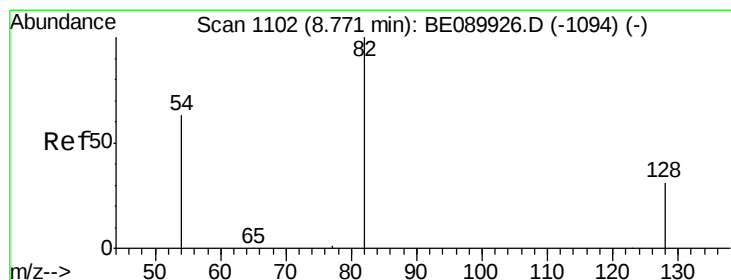
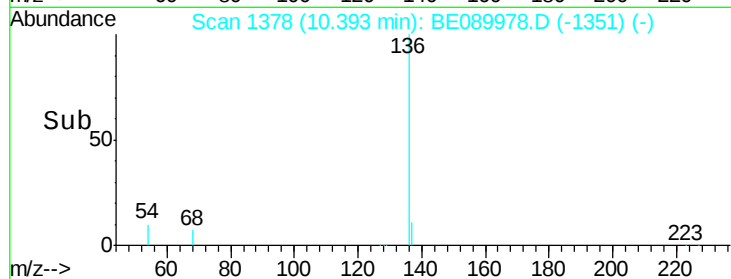
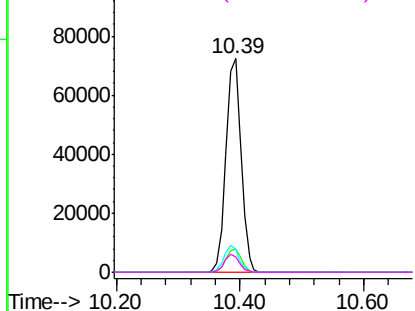
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

Instrument :
BNA_E
ClientSampleId :
X3SS0190006-150624-D

Tgt Ion:	136	Resp:	122860
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.6	9.7	14.5
68	7.5	6.5	9.7

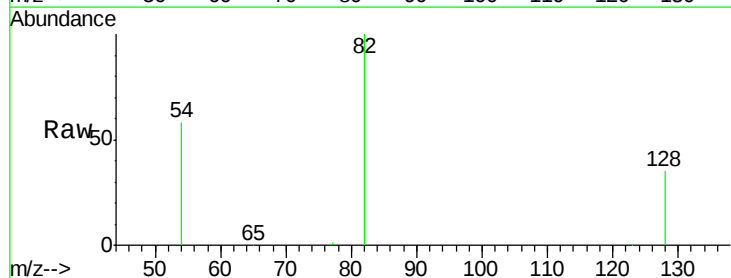


Abundance Ion 136.00 (135.70 to 136.70): BE089978.D (-1371) (-)
Ion 137.00 (136.70 to 137.70): BE089978.D (-1371) (-)
Ion 54.00 (53.70 to 54.70): BE089978.D (-1371) (-)
Ion 68.00 (67.70 to 68.70): BE089978.D (-1371) (-)

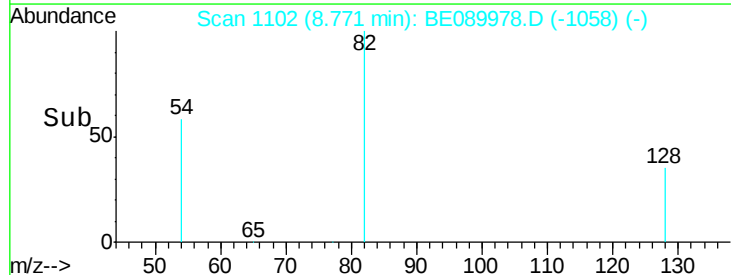
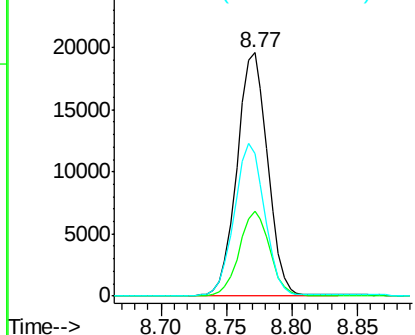


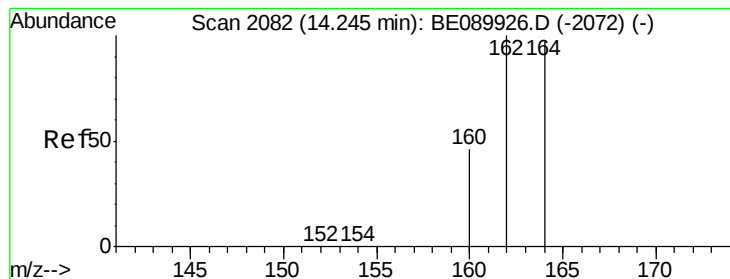
#7
Nitrobenzene-d5
Concen: 3.44 ng
RT: 8.77 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

Tgt Ion:	82	Resp:	31502
Ion	Ratio	Lower	Upper
82	100		
128	35.0	25.6	38.4
54	58.5	51.2	76.8



Abundance Ion 82.00 (81.70 to 82.70): BE089978.D (-1094) (-)
Ion 128.00 (127.70 to 128.70): BE089978.D (-1094) (-)
Ion 54.00 (53.70 to 54.70): BE089978.D (-1094) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624-D

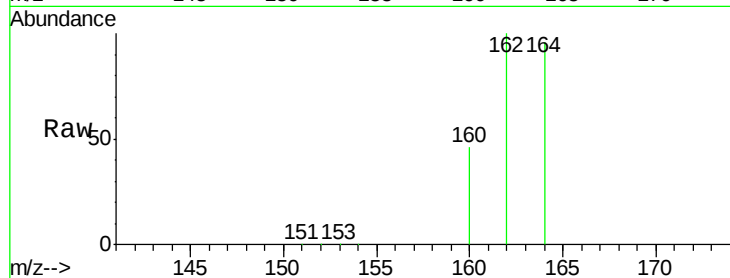
Tgt Ion:164 Resp: 72364

Ion Ratio Lower Upper

164 100

162 104.1 82.7 124.1

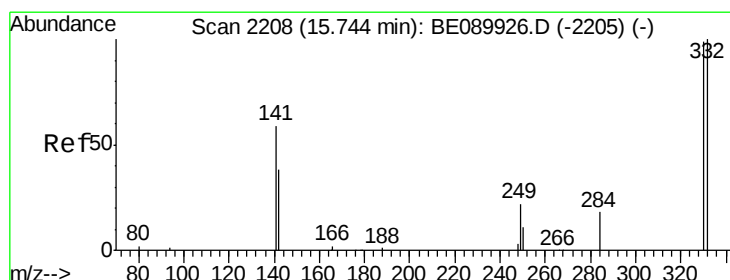
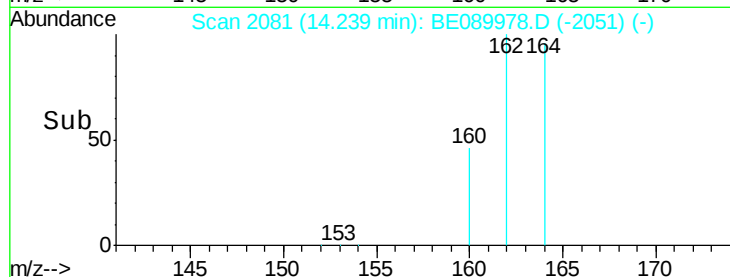
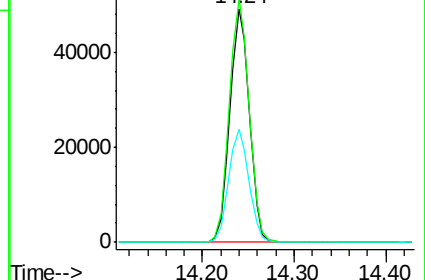
160 48.2 38.3 57.5



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: 7.52 ng

RT: 15.74 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

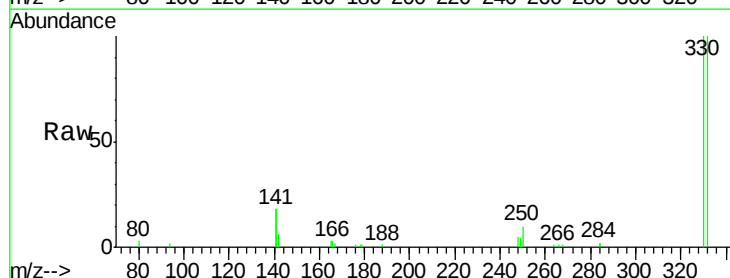
Tgt Ion:330 Resp: 9572

Ion Ratio Lower Upper

330 100

332 95.2 77.9 116.9

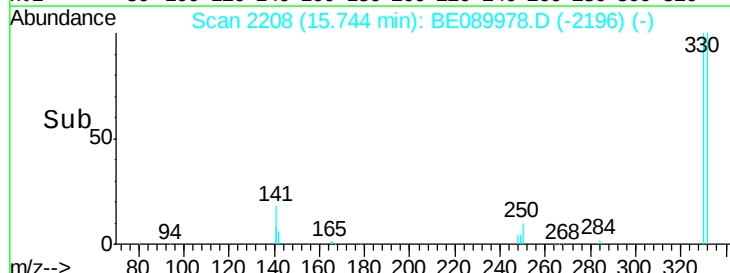
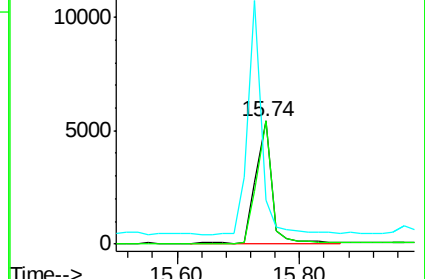
141 171.6 142.8 214.2

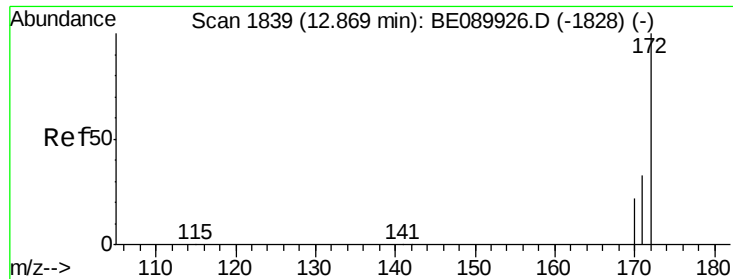


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

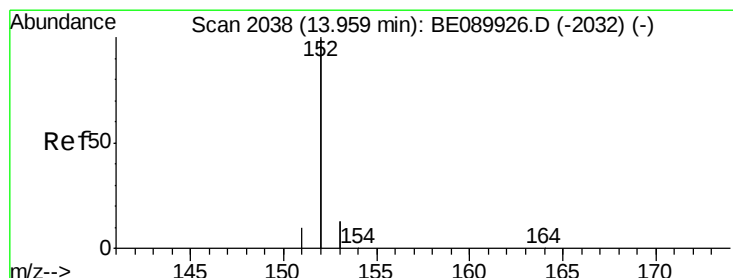
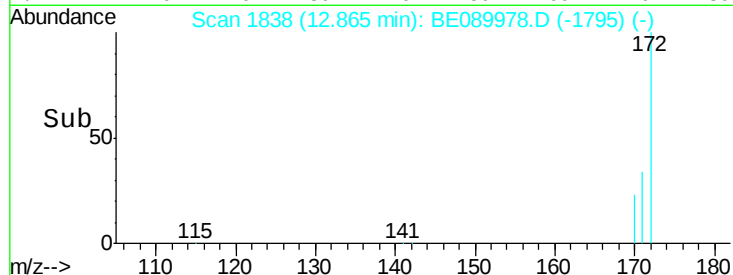
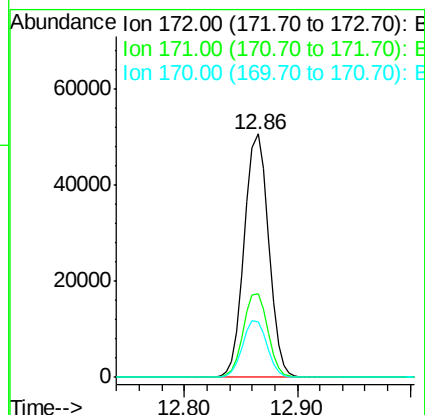
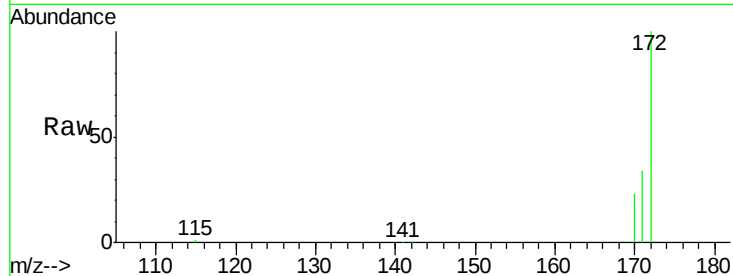




#14
2-Fluorobiphenyl
Concen: 3.47 ng
RT: 12.86 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

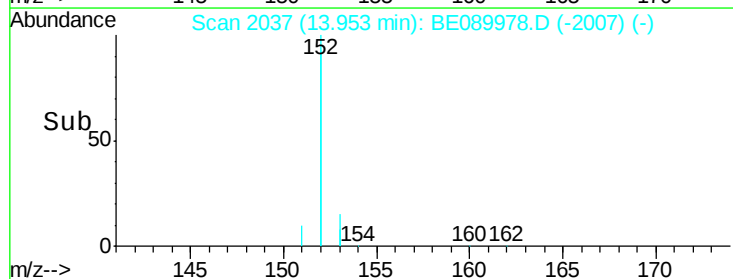
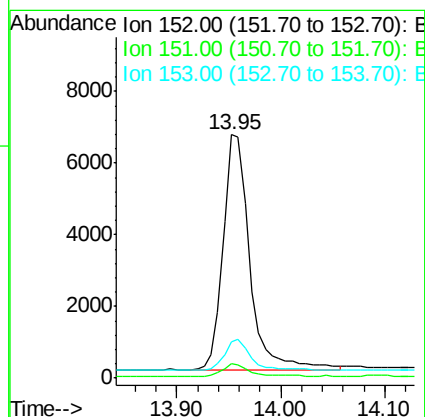
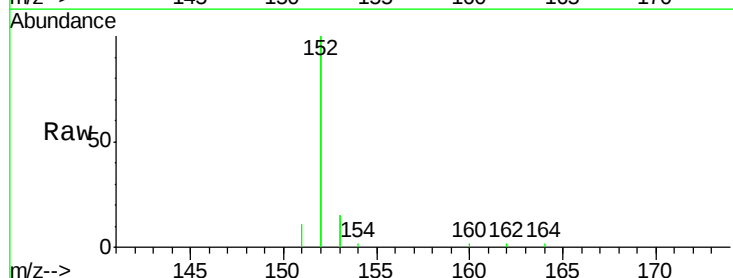
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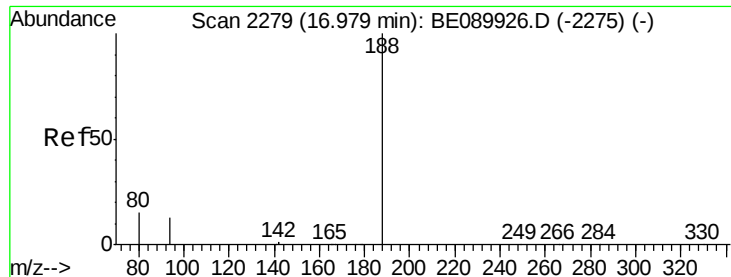
Tgt Ion:172 Resp: 73281
Ion Ratio Lower Upper
172 100
171 34.2 26.7 40.1
170 22.9 17.5 26.3



#15
Acenaphthylene
Concen: 0.09 ng
RT: 13.95 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

Tgt Ion:152 Resp: 11650
Ion Ratio Lower Upper
152 100
151 4.5 3.9 5.9
153 13.1 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: BE089978.D

Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624-D

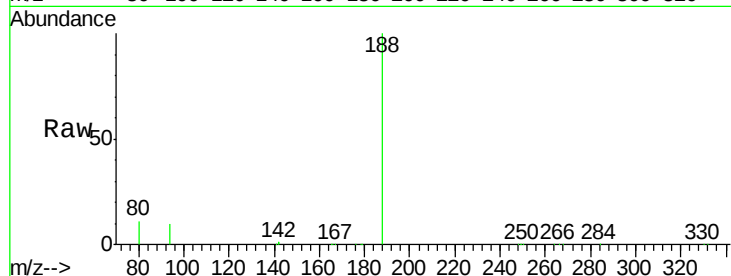
Tgt Ion:188 Resp: 168065

Ion Ratio Lower Upper

188 100

94 10.4 10.6 16.0#

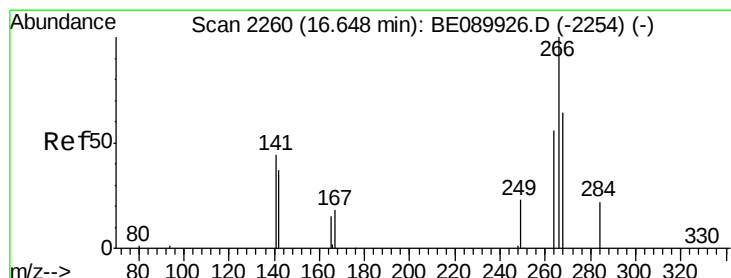
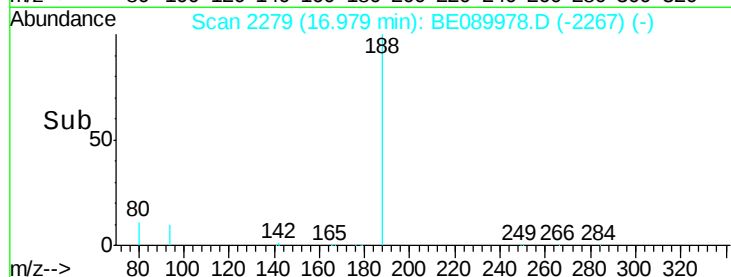
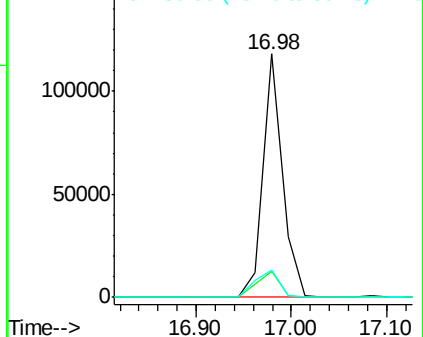
80 11.4 11.8 17.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Pentachlorophenol

Concen: 0.47 ng

RT: 16.63 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

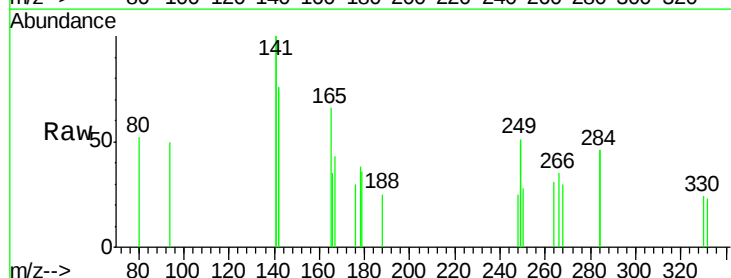
Tgt Ion:266 Resp: 57

Ion Ratio Lower Upper

266 100

268 87.5 54.4 81.6#

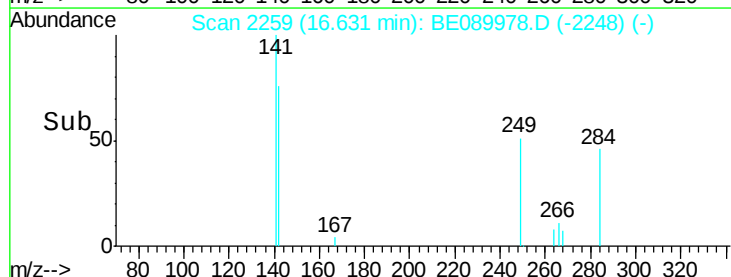
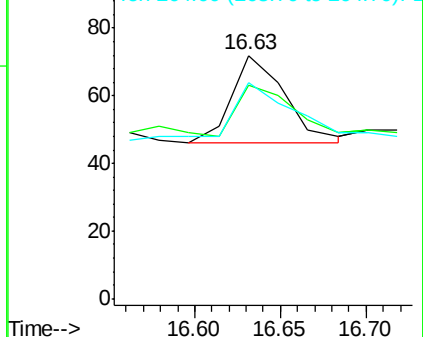
264 88.9 48.2 72.2#

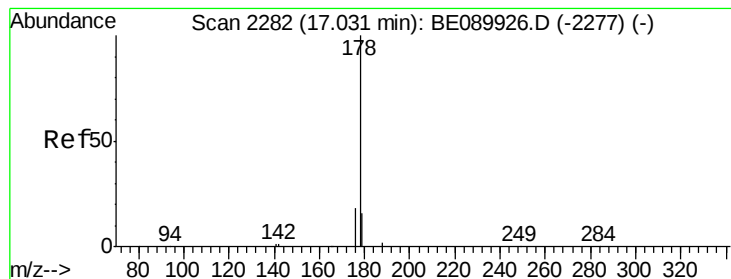


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.11 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624-D

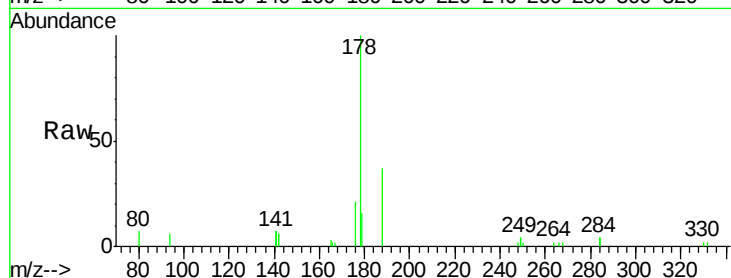
Tgt Ion:178 Resp: 4805

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

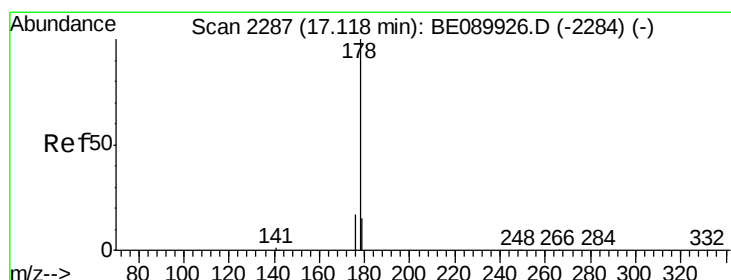
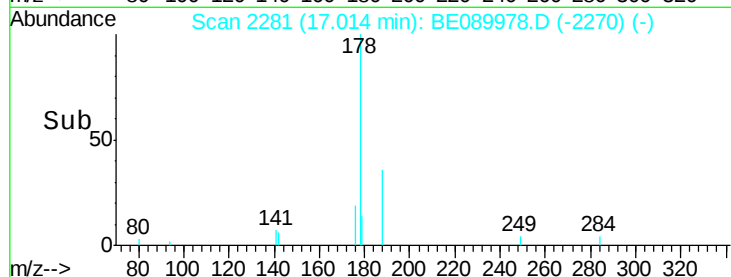
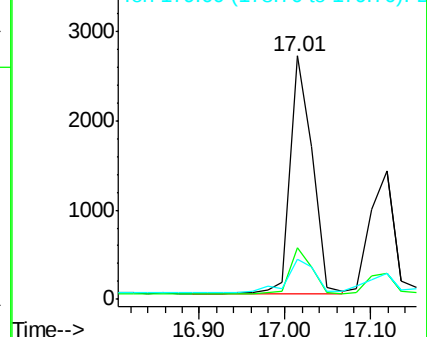
179 18.6 12.6 19.0



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: 0.07 ng

RT: 17.12 min Scan# 2287

Delta R.T. 0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

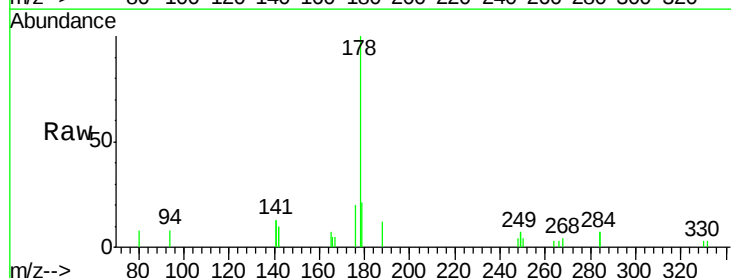
Tgt Ion:178 Resp: 2754

Ion Ratio Lower Upper

178 100

176 17.9 14.6 21.8

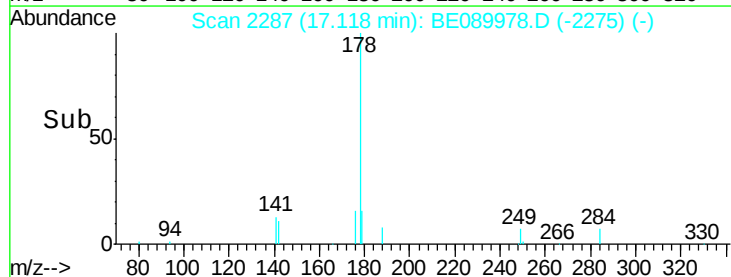
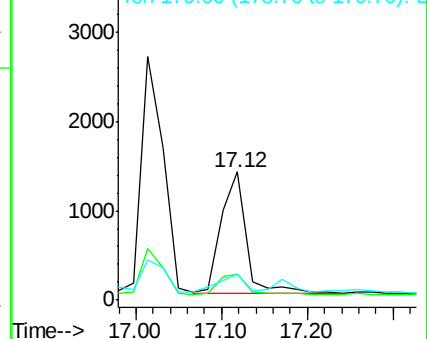
179 16.1 12.3 18.5

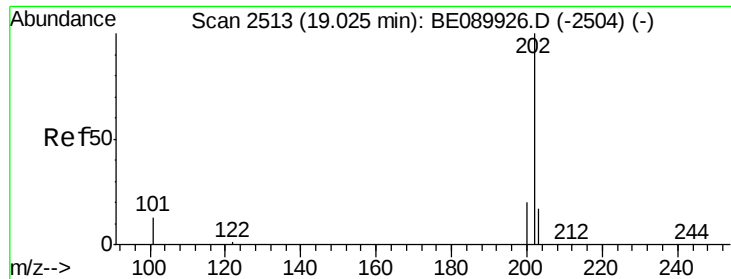


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

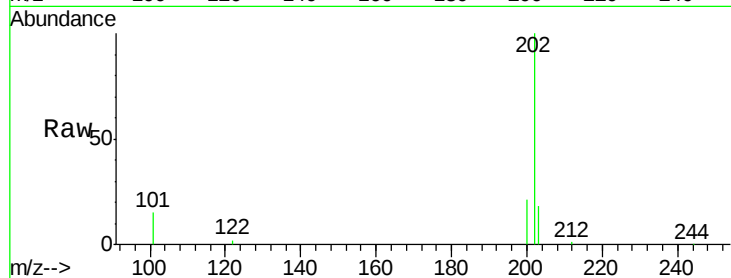




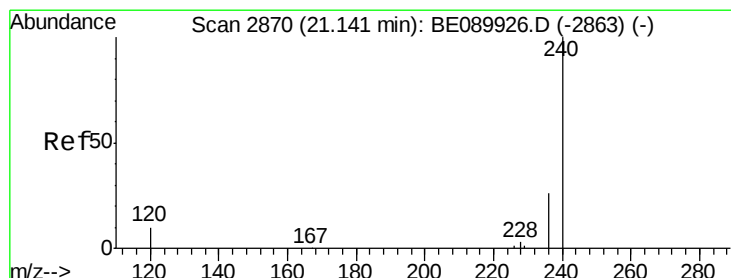
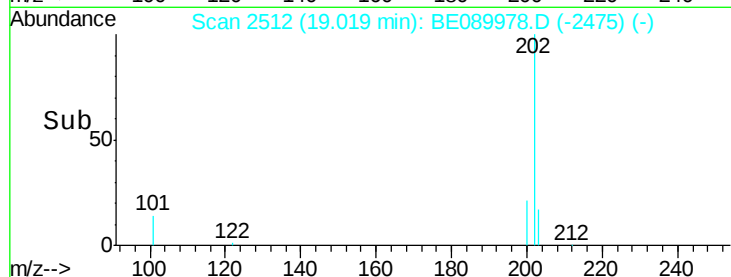
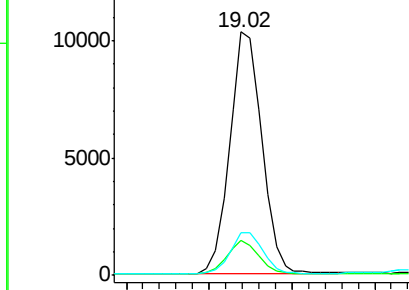
#24
 Fluoranthene
 Concen: 0.31 ng
 RT: 19.02 min Scan# 2512
 Delta R.T. -0.01 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624-D

Tgt Ion:202 Resp: 14028
 Ion Ratio Lower Upper
 202 100
 101 13.9 10.6 16.0
 203 17.2 13.8 20.8

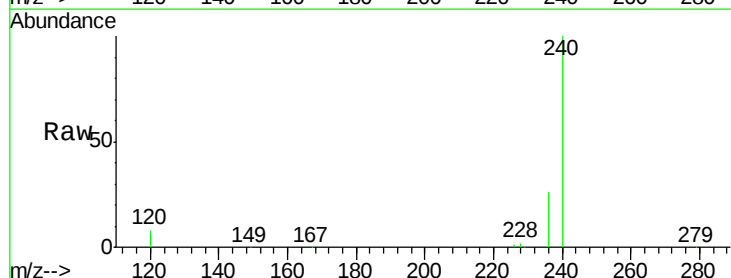


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

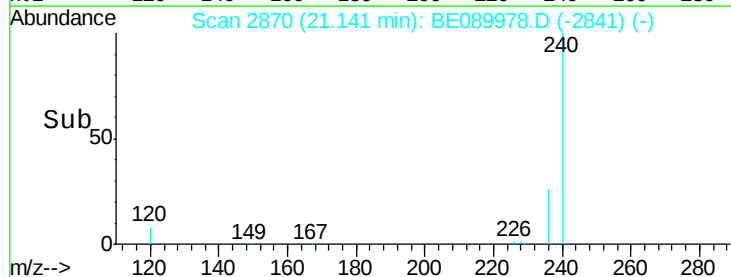
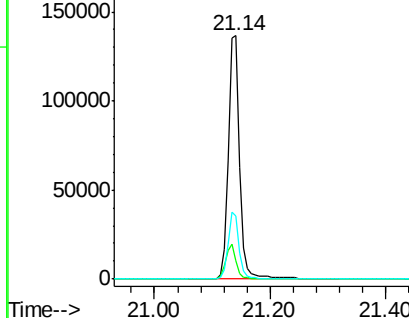


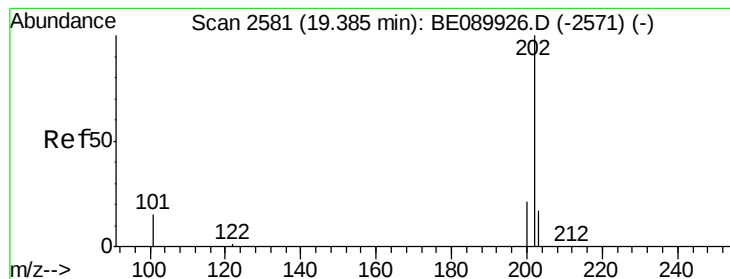
#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.14 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Tgt Ion:240 Resp: 188077
 Ion Ratio Lower Upper
 240 100
 120 7.7 7.9 11.9#
 236 25.8 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: 0.29 ng

RT: 19.39 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624-D

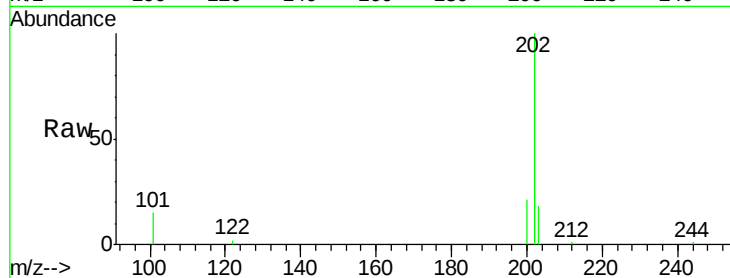
Tgt Ion:202 Resp: 13854

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

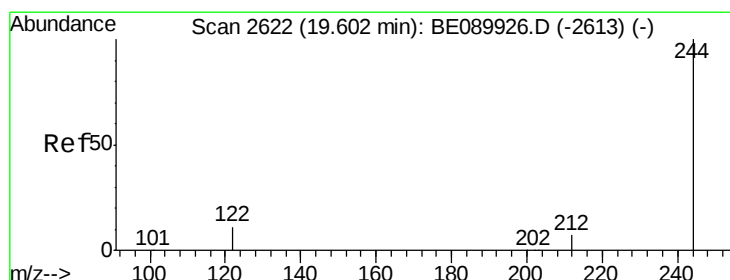
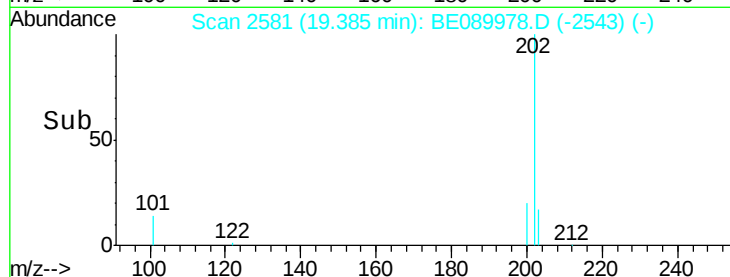
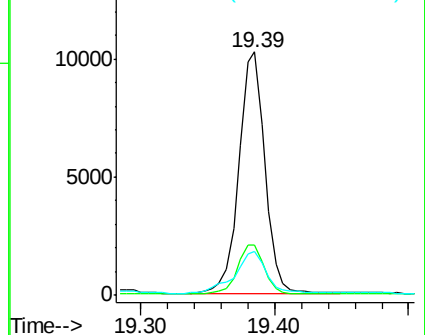
203 20.6 13.9 20.9



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: 3.25 ng

RT: 19.60 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

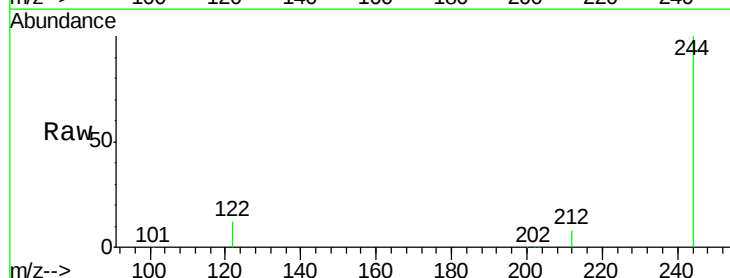
Tgt Ion:244 Resp: 105402

Ion Ratio Lower Upper

244 100

212 8.1 6.1 9.1

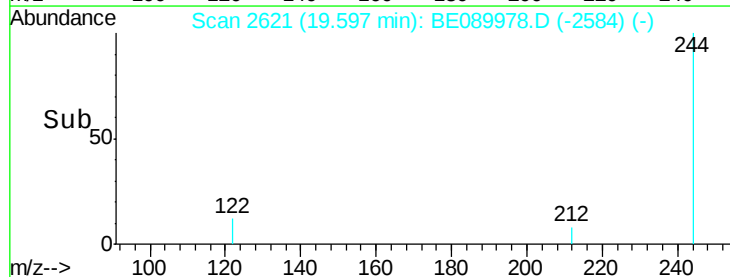
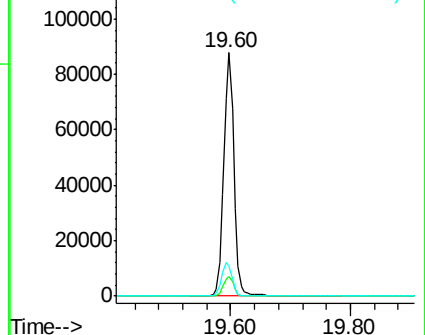
122 12.5 8.7 13.1

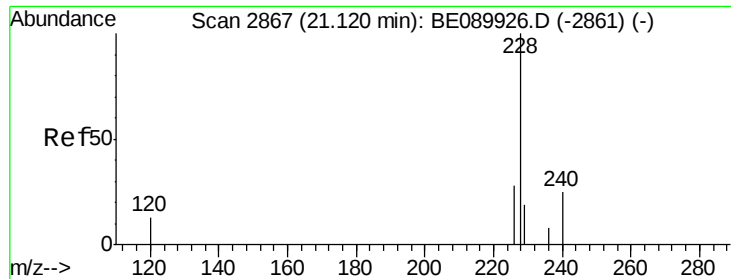


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Benzo(a)anthracene

Concen: 0.22 ng

RT: 21.12 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624-D

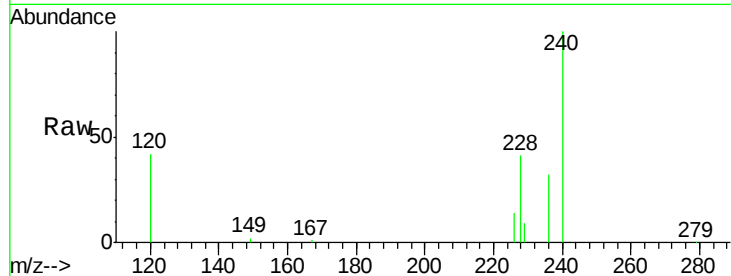
Tgt Ion:228 Resp: 9780

Ion Ratio Lower Upper

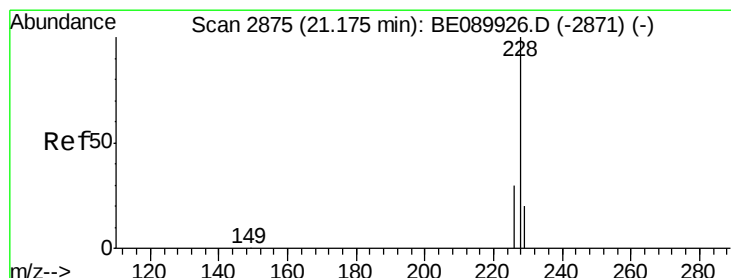
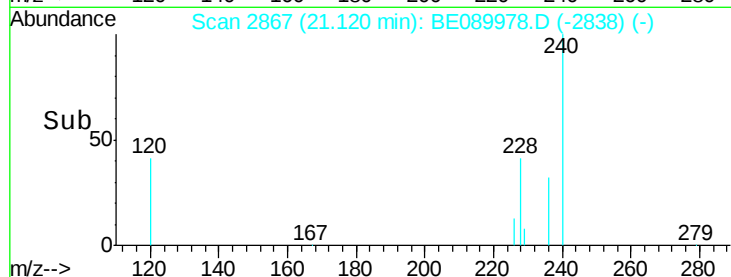
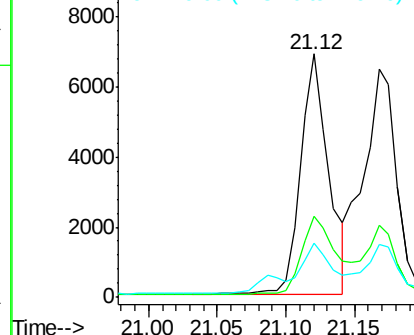
228 100

226 33.3 22.2 33.4

229 22.5 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: 0.23 ng

RT: 21.17 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

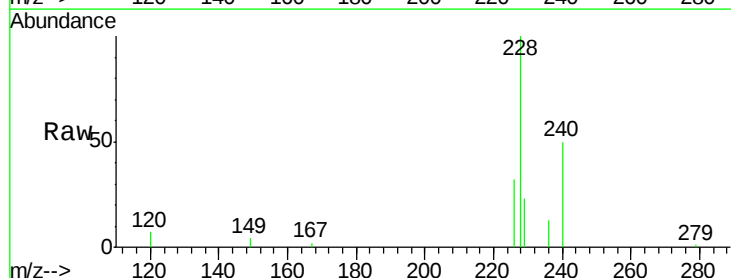
Tgt Ion:228 Resp: 11090

Ion Ratio Lower Upper

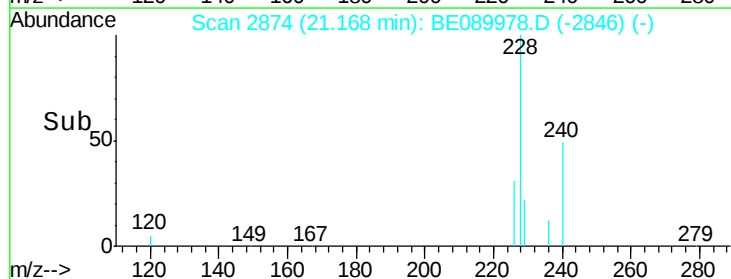
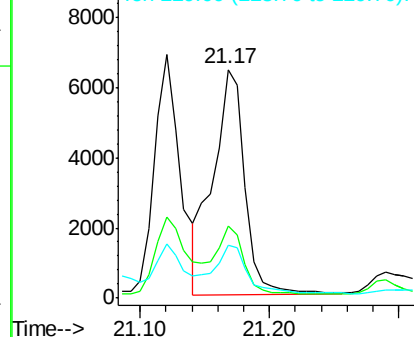
228 100

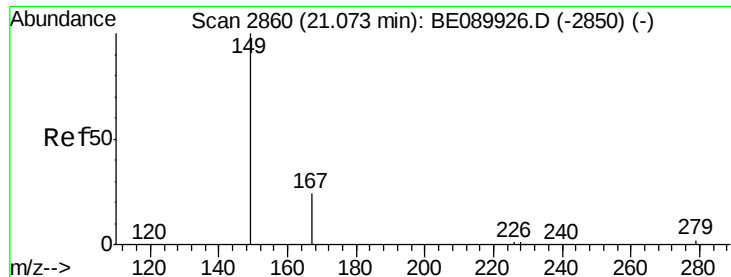
226 31.5 23.7 35.5

229 23.1 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

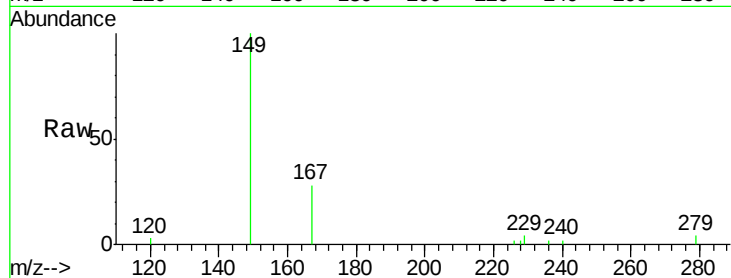




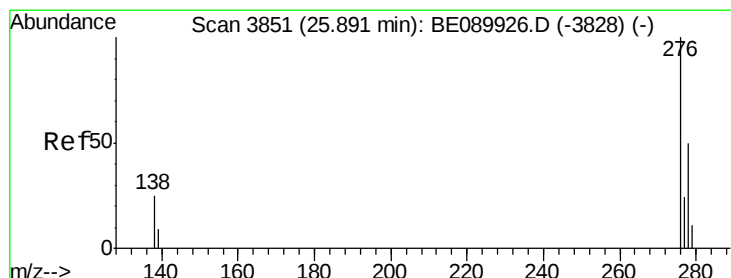
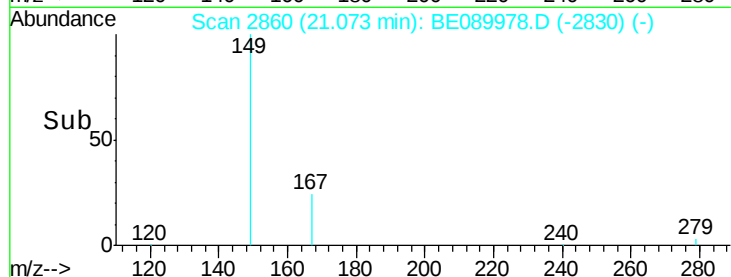
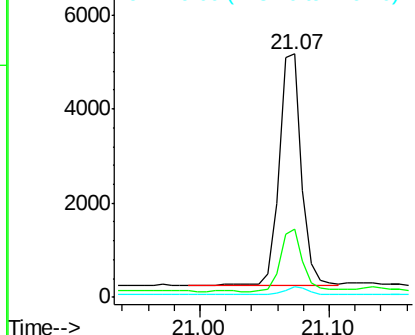
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 1.55 ng
 RT: 21.07 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624-D

Tgt Ion:149 Resp: 5942
 Ion Ratio Lower Upper
 149 100
 167 26.8 20.3 30.5
 279 3.3 2.7 4.1

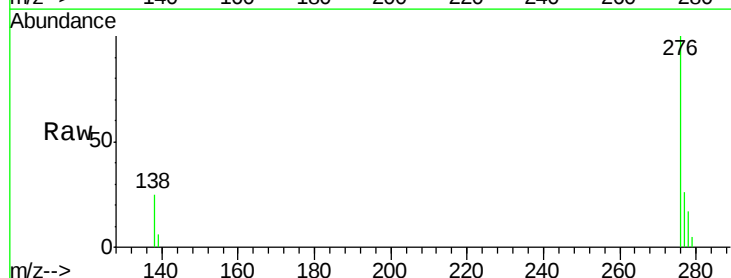


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

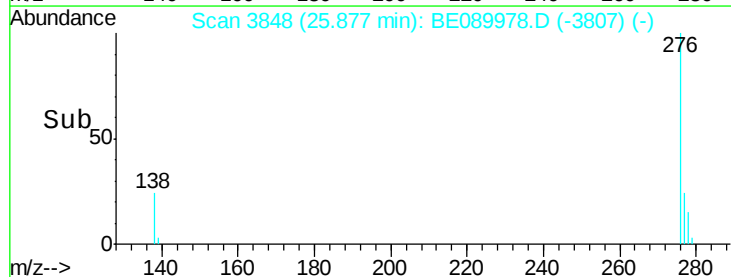
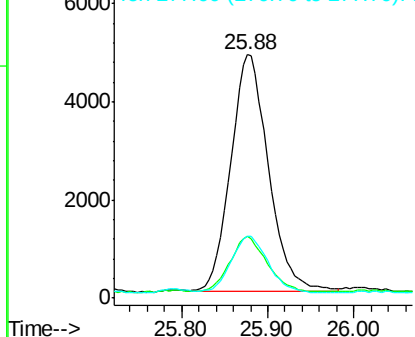


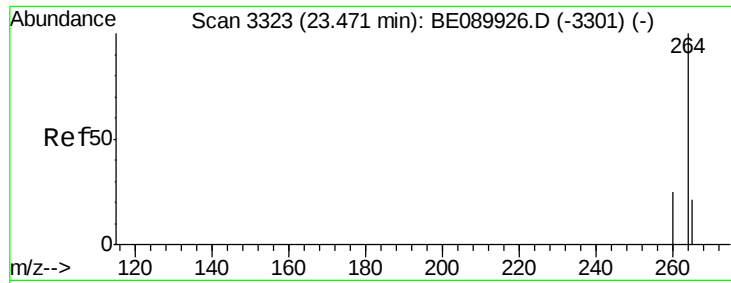
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.40 ng
 RT: 25.88 min Scan# 3848
 Delta R.T. -0.01 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Tgt Ion:276 Resp: 14576
 Ion Ratio Lower Upper
 276 100
 138 22.9 0.0 0.0#
 277 23.7 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

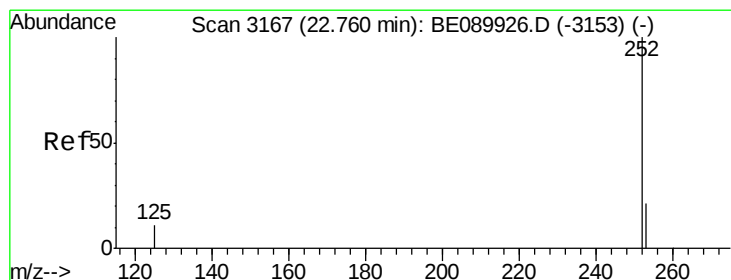
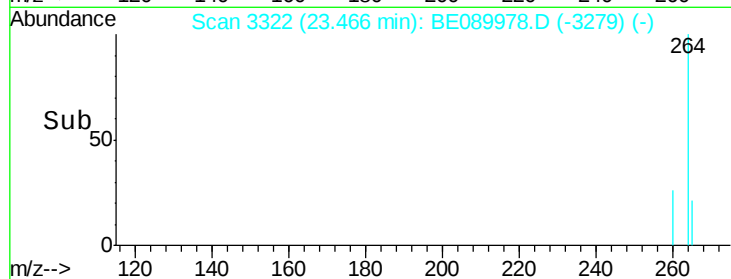
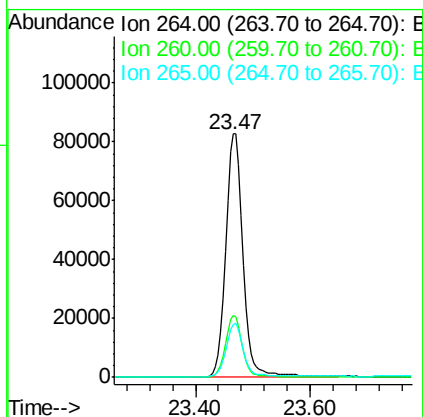
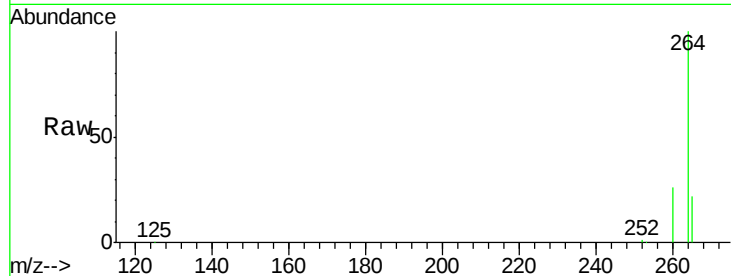




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.47 min Scan# 3322
 Delta R.T. -0.00 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

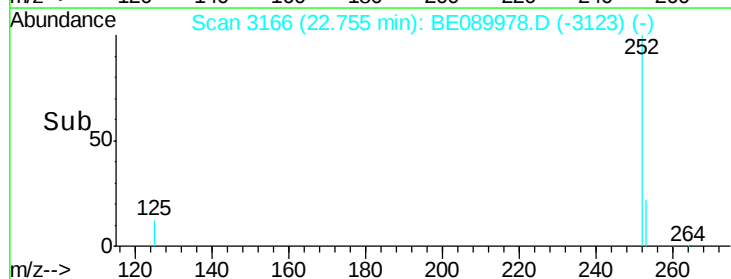
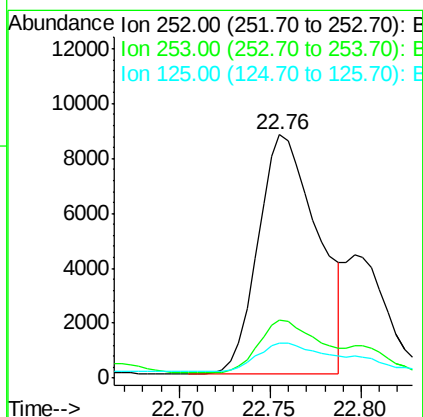
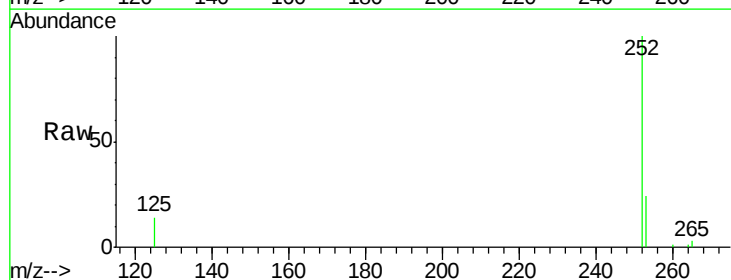
Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624-D

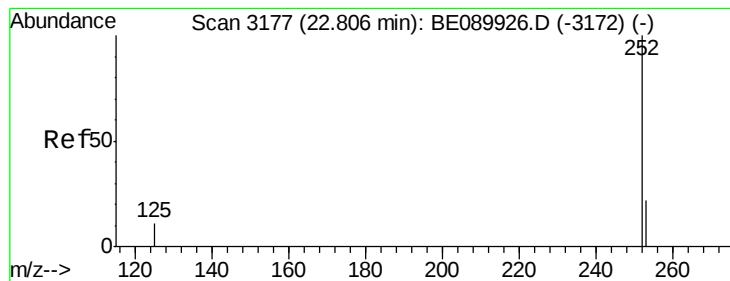
Tgt Ion: 264 Resp: 175906
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.8 29.6
 265 21.6 17.3 25.9



#33
 Benzo(b)fluoranthene
 Concen: 0.54 ng
 RT: 22.76 min Scan# 3166
 Delta R.T. -0.00 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Tgt Ion: 252 Resp: 19929
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.3 25.9
 125 14.4 9.3 13.9#





#34

Benzo(k)fluoranthene

Concen: 0.47 ng

RT: 22.76 min Scan# 3166

Delta R.T. -0.05 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624-D

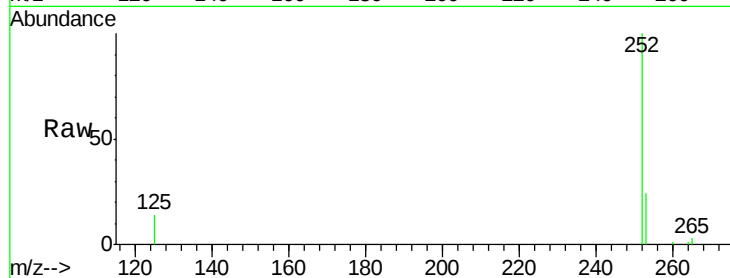
Tgt Ion: 252 Resp: 19929

Ion Ratio Lower Upper

252 100

253 24.0 17.9 26.9

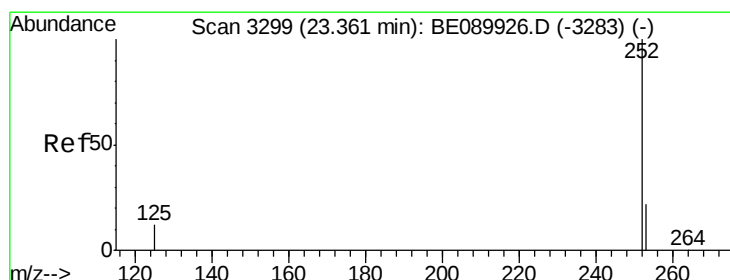
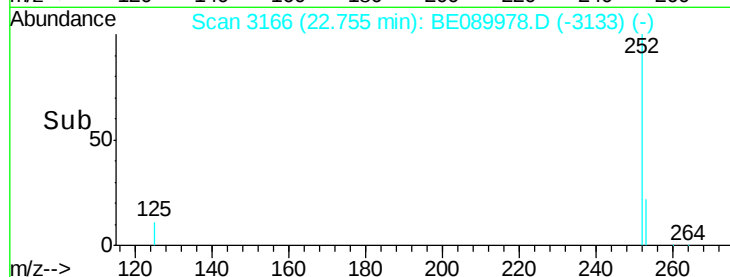
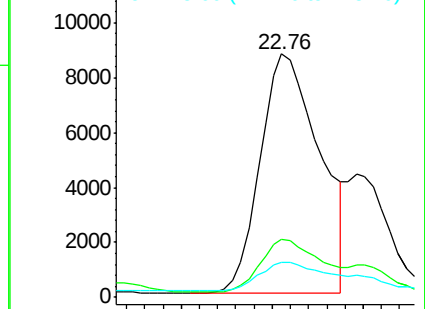
125 14.4 9.2 13.8#



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: 0.41 ng

RT: 23.36 min Scan# 3298

Delta R.T. -0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

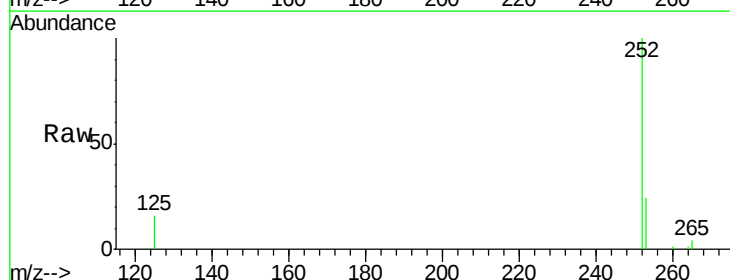
Tgt Ion: 252 Resp: 13682

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

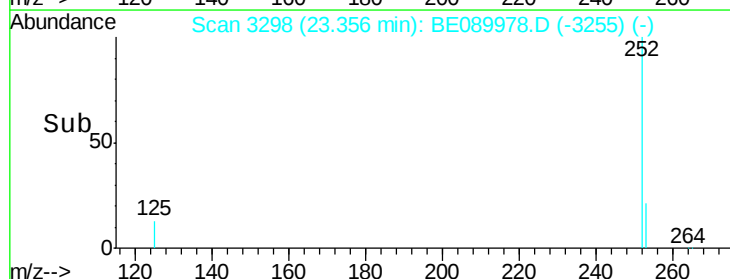
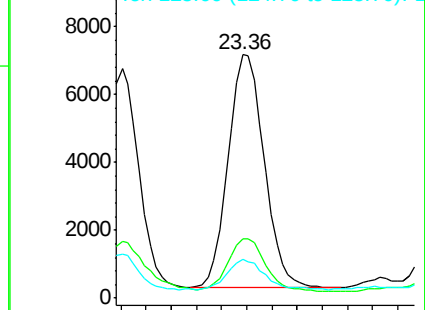
125 15.9 10.3 15.5#

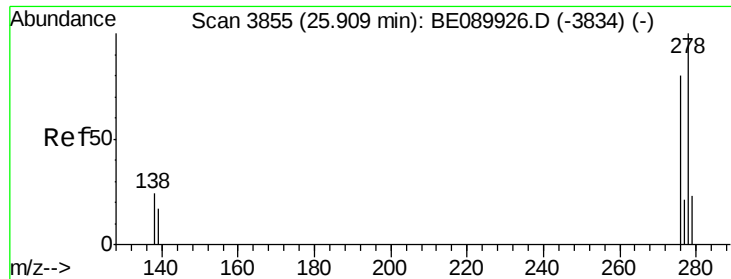


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.10 ng

RT: 25.89 min Scan# 3851

Delta R.T. -0.02 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624-D

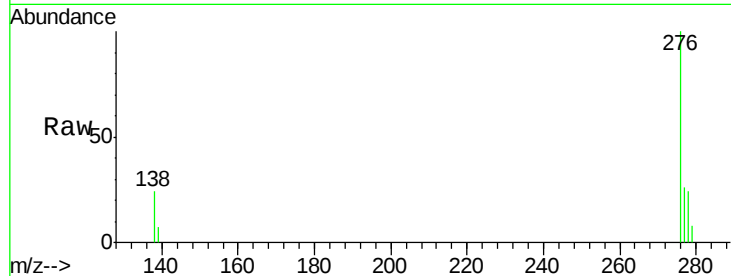
Tgt Ion: 278 Resp: 3038

Ion Ratio Lower Upper

278 100

139 29.0 14.1 21.1#

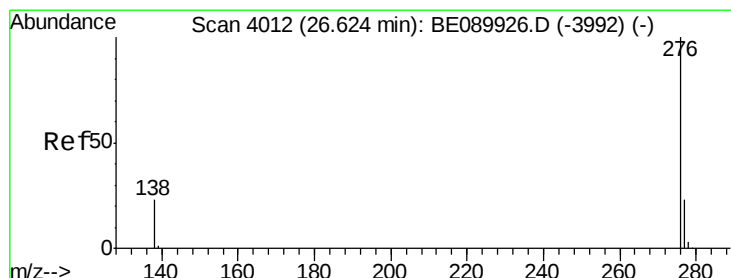
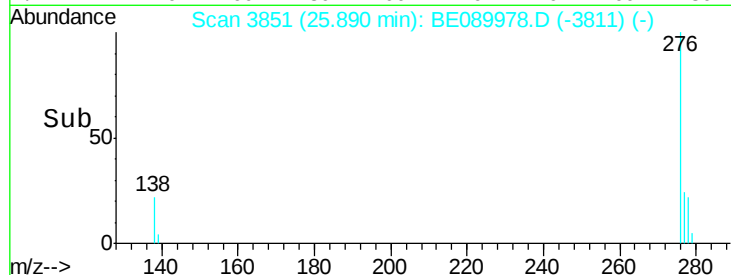
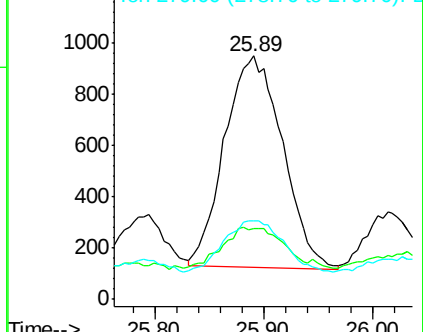
279 32.4 19.0 28.6#



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: 0.55 ng

RT: 26.62 min Scan# 4012

Delta R.T. -0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

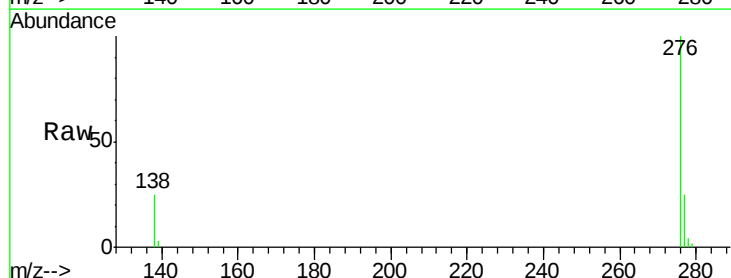
Tgt Ion: 276 Resp: 18178

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 24.6 18.8 28.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

