

Data Path : Z:\HPCHEM1\BNA E\Data\BE020516\
 Data File : BE091398.D
 Acq On : 5 Feb 2016 14:00
 Operator : UM/IZ
 Sample : PB88200BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 05 16:41:09 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 00:27:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	42874	5.00	ng	0.00
4) Naphthalene-d8	9.56	136	192041	5.00	ng	0.02
8) Acenaphthene-d10	13.36	164	127792	5.00	ng	0.00
14) Phenanthrene-d10	16.09	188	332313	5.00	ng	0.00
18) Chrysene-d12	20.22	240	360046	5.00	ng	0.00
24) Perylene-d12	22.10	264	324397	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.91	112	70602	6.96	ng	-0.04
3) Phenol-d6	6.54	99	96711	6.74	ng	-0.03
5) Nitrobenzene-d5	8.18	82	39447	3.21	ng	0.00
9) 2,4,6-Tribromophenol	14.90	330	24049	4.02	ng	0.00
10) 2-Fluorobiphenyl	12.02	172	134574	4.05	ng	0.00
20) Terphenyl-d14	18.62	244	244422	4.59	ng	0.00

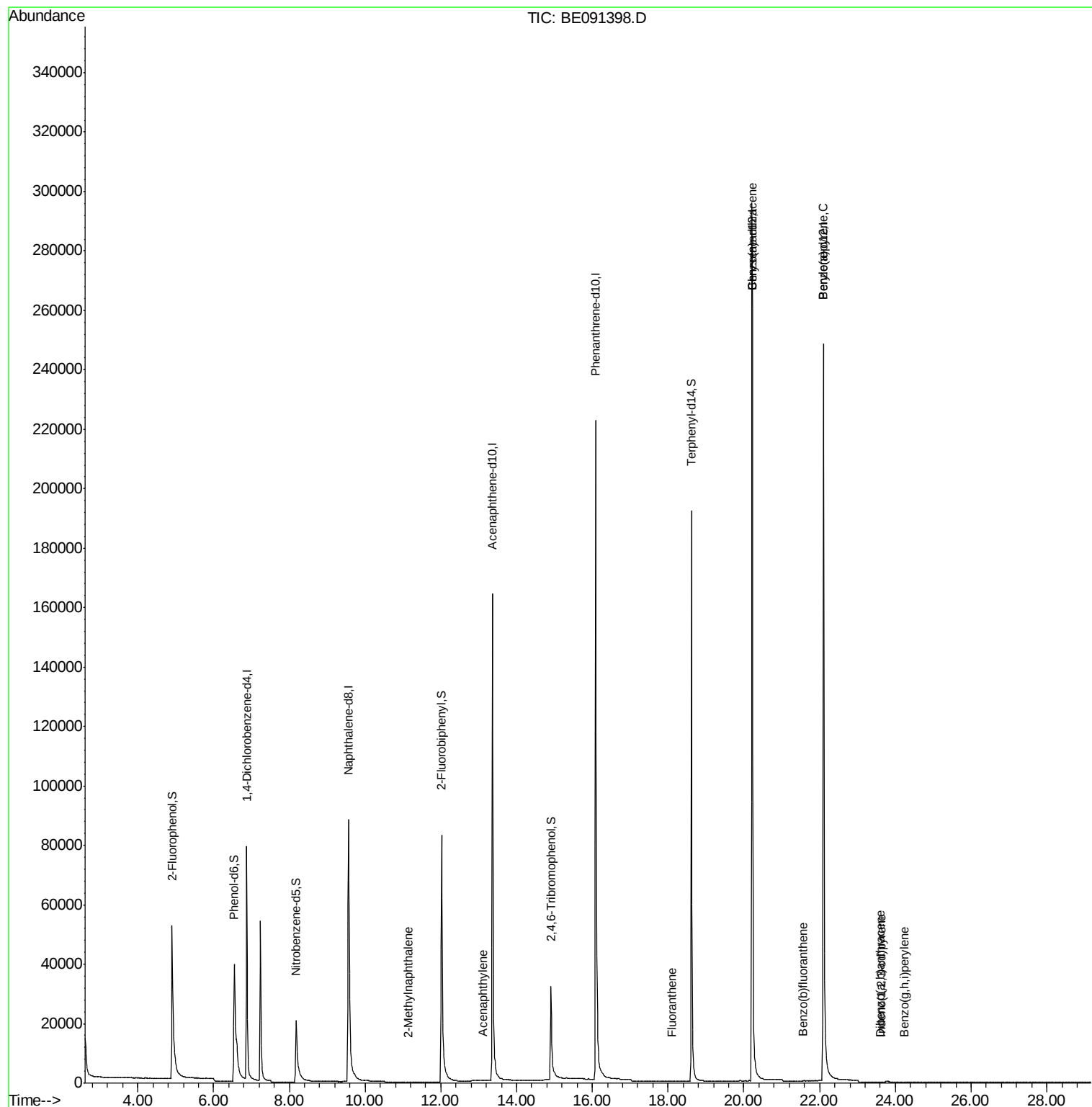
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) 2-Methylnaphthalene	11.13	142	7	0.13	ng	# 55
11) Acenaphthylene	13.10	152	17	0.18	ng	# 1
17) Fluoranthene	18.09	202	10	0.12	ng	# 4
21) Benzo(a)anthracene	20.22	228	1065	0.18	ng	# 77
22) Chrysene	20.22	228	1065	Below Cal		# 74
23) Indeno(1,2,3-cd)pyrene	23.64	276	9	0.16	ng	# 21
25) Benzo(b)fluoranthene	21.57	252	49	0.15	ng	# 1
27) Benzo(a)pyrene	22.10	252	1205	0.19	ng	# 47
28) Dibenzo(a,h)anthracene	23.60	278	8	0.25	ng	# 1
29) Benzo(g,h,i)perylene	24.25	276	7	0.14	ng	# 1

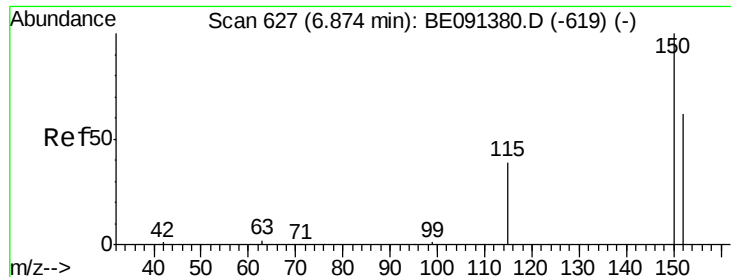
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\Data\BE020516\
Data File : BE091398.D
Acq On : 5 Feb 2016 14:00
Operator : UM/IZ
Sample : PB88200BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Feb 05 16:41:09 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration



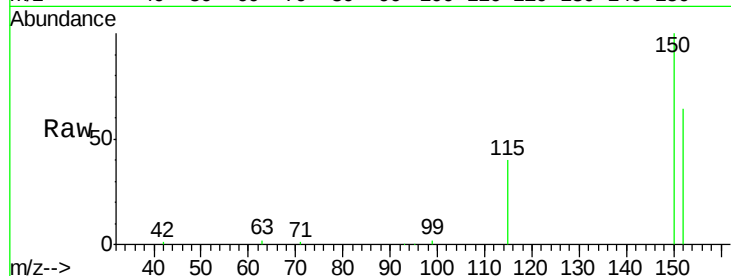


#1

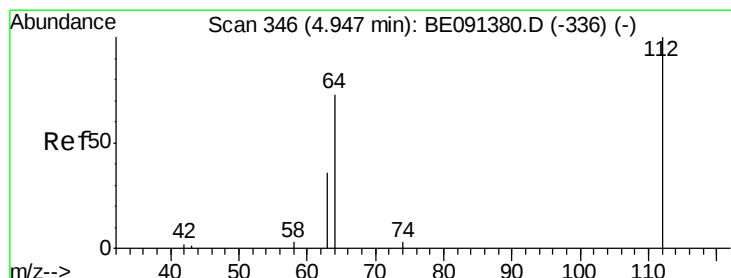
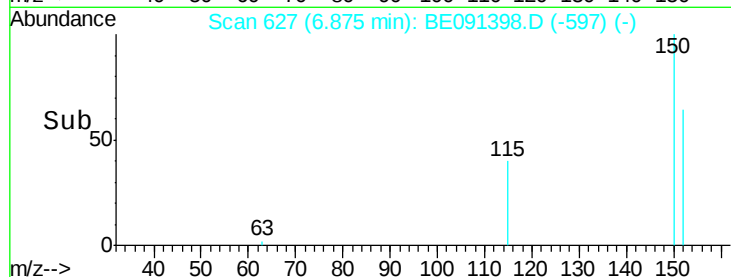
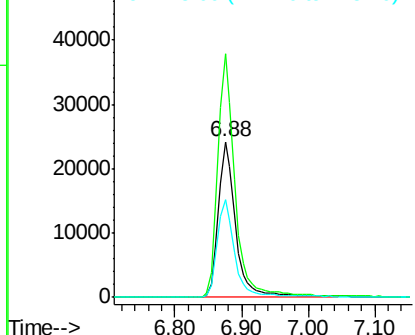
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.88 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE091398.D
Acq: 5 Feb 2016 14:00

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 42874
Ion Ratio Lower Upper
152 100
150 156.6 128.9 193.3
115 63.0 50.9 76.3



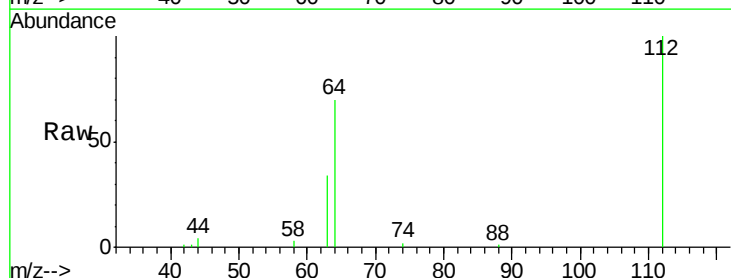
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



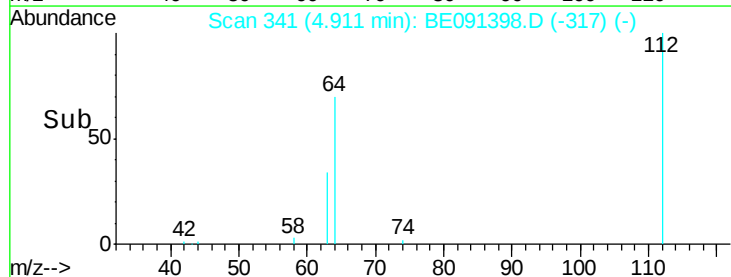
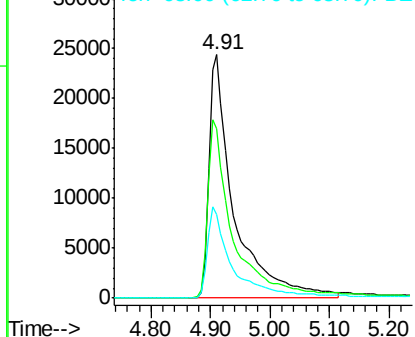
#2

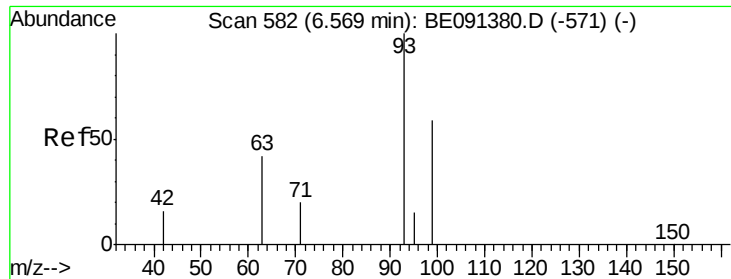
2-Fluorophenol
Concen: 6.96 ng
RT: 4.91 min Scan# 341
Delta R.T. -0.04 min
Lab File: BE091398.D
Acq: 5 Feb 2016 14:00

Tgt Ion:112 Resp: 70602
Ion Ratio Lower Upper
112 100
64 73.7 60.5 90.7
63 36.8 29.8 44.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 6.74 ng

RT: 6.54 min Scan# 578

Delta R.T. -0.03 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

Instrument :

BNA_E

ClientSampleId :

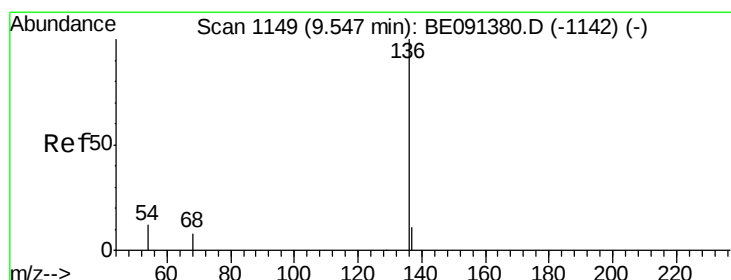
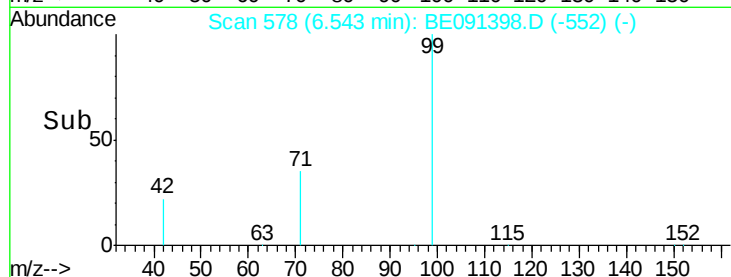
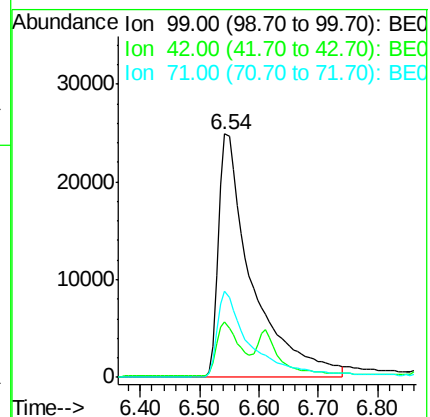
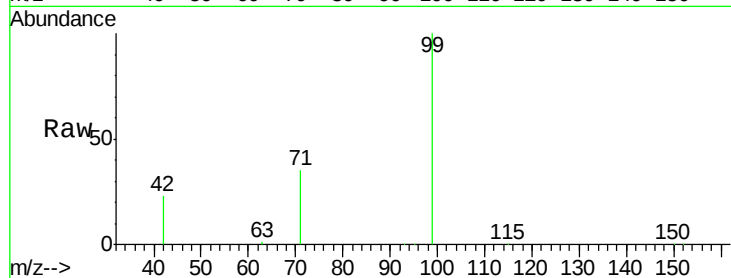
Tot Ion: 99 Resp: 96711

Ion Ratio Lower Upper

99 100

42 15.1 13.3 19.9

71 34.4 25.6 38.4



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.56 min Scan# 1151

Delta R.T. 0.02 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

Tgt Ion: 136 Resp: 192041

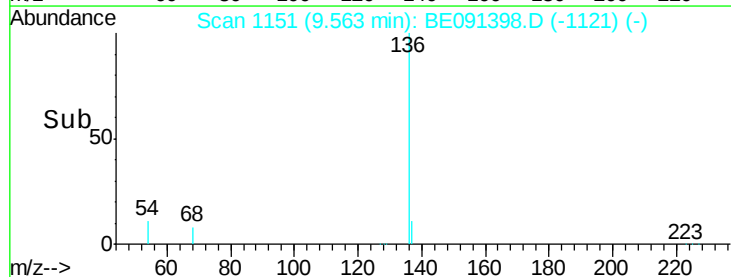
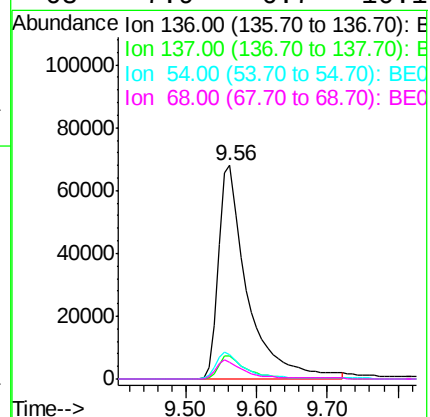
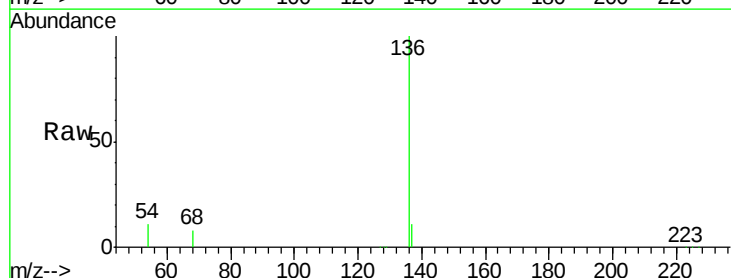
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.2 9.3 13.9

68 7.9 6.7 10.1





#5

Nitrobenzene-d5

Concen: 3.21 ng

RT: 8.18 min Scan# 864

Delta R.T. 0.01 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

Instrument :

BNA_E

ClientSampled :

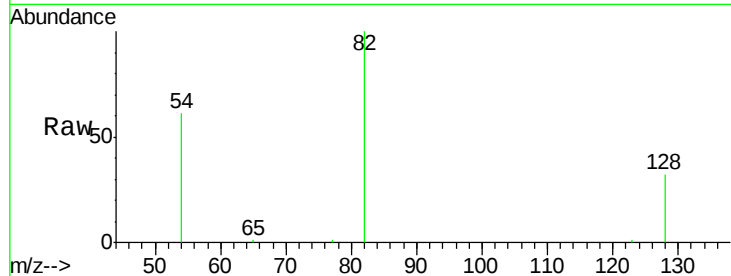
Tot Ion: 82 Resp: 39447

Ion Ratio Lower Upper

82 100

128 32.2 25.0 37.4

54 60.6 48.1 72.1



Abundance Ion 82.00 (81.70 to 82.70): BE091398.D (-851) (-)

Ion 128.00 (127.70 to 128.70): BE091398.D (-851) (-)

Ion 54.00 (53.70 to 54.70): BE091398.D (-851) (-)

8.18

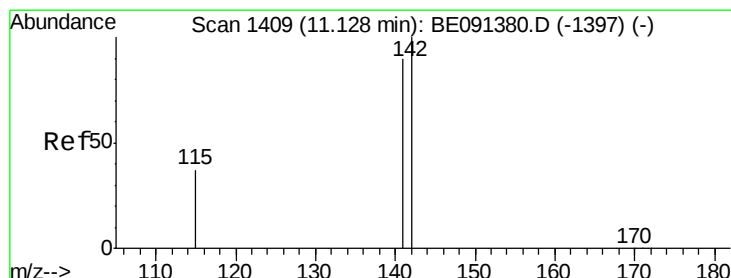
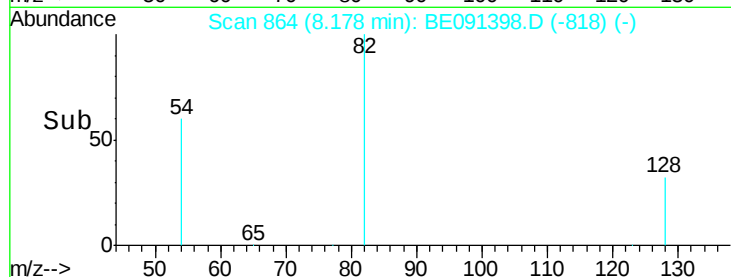
10000

5000

0

Time-->

8.10 8.20 8.30 8.40



#7

2-Methylnaphthalene

Concen: 0.13 ng

RT: 11.13 min Scan# 1410

Delta R.T. 0.00 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

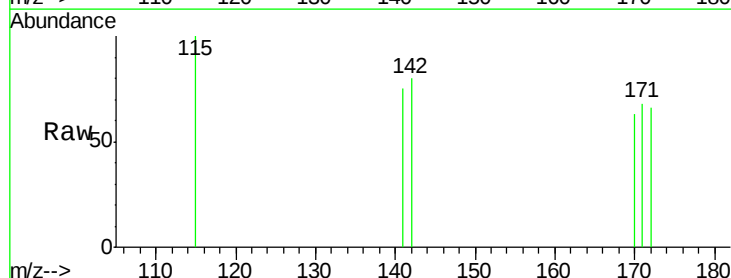
Tgt Ion: 142 Resp: 7

Ion Ratio Lower Upper

142 100

141 93.4 72.3 108.5

115 124.6 30.5 45.7#



Abundance Ion 142.00 (141.70 to 142.70): BE091398.D (-1365) (-)

Ion 141.00 (140.70 to 141.70): BE091398.D (-1365) (-)

Ion 115.00 (114.70 to 115.70): BE091398.D (-1365) (-)

11.13

100

80

60

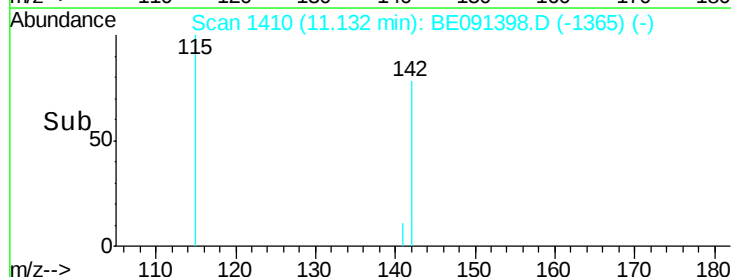
40

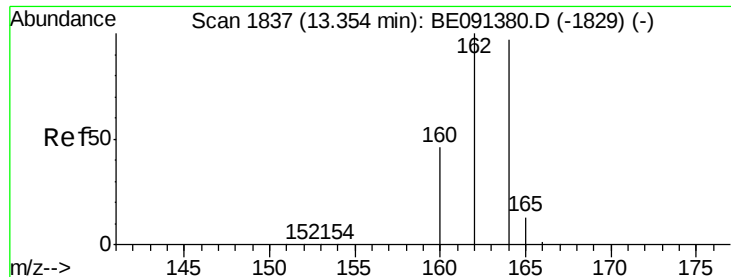
20

0

Time-->

11.10 11.12 11.14 11.16





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.36 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

Instrument :

BNA_E

ClientSampleId :

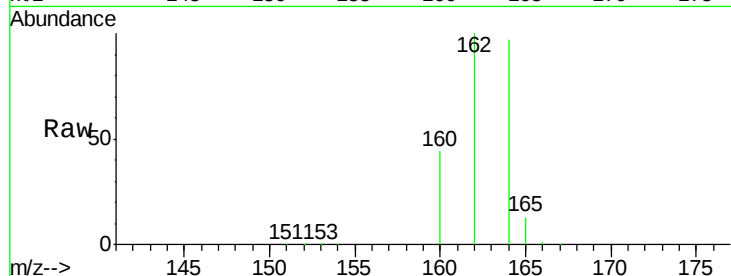
Tot Ion:164 Resp: 127792

Ion Ratio Lower Upper

164 100

162 103.1 82.2 123.2

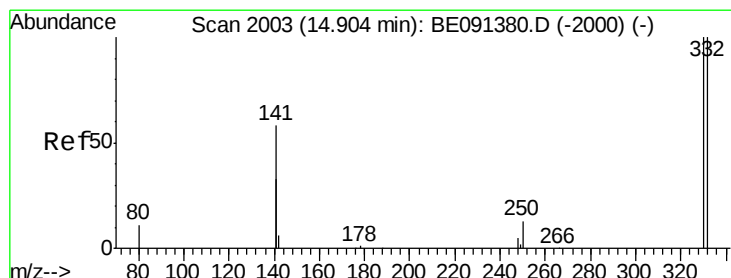
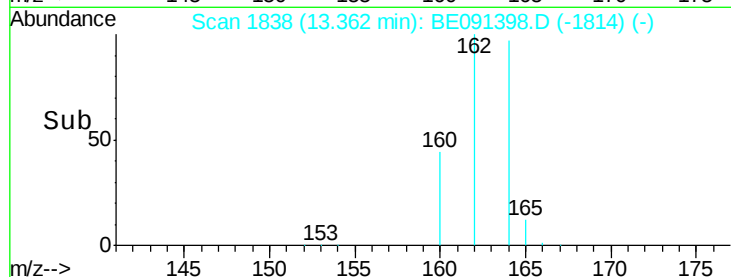
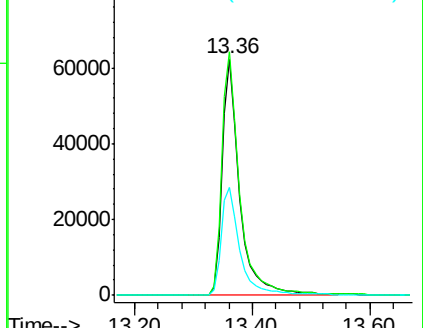
160 45.8 37.8 56.8



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



#9

2,4,6-Tribromophenol

Concen: 4.02 ng

RT: 14.90 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

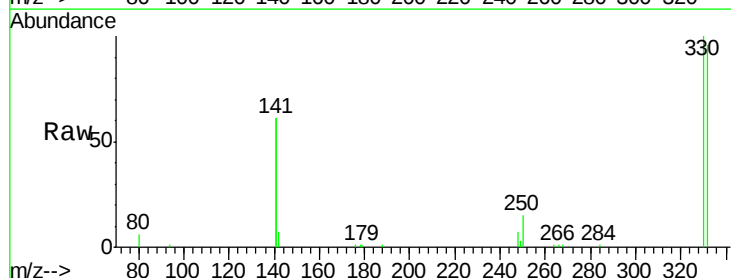
Tgt Ion:330 Resp: 24049

Ion Ratio Lower Upper

330 100

332 97.2 78.8 118.2

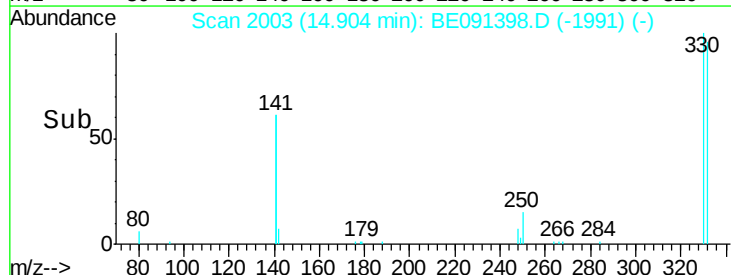
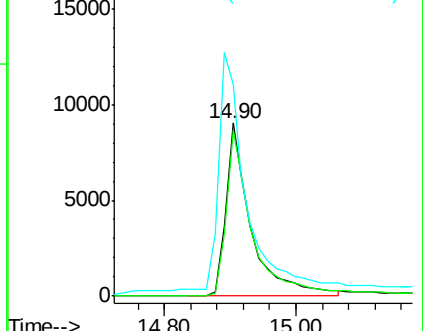
141 147.4 105.1 157.7

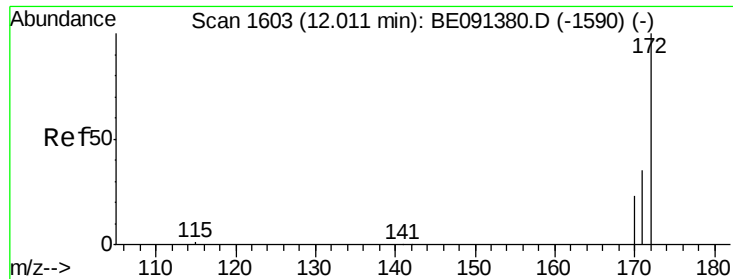


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

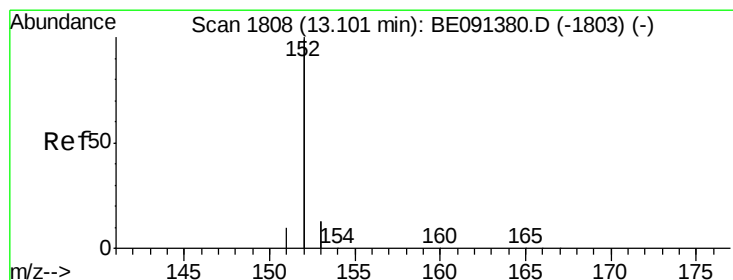
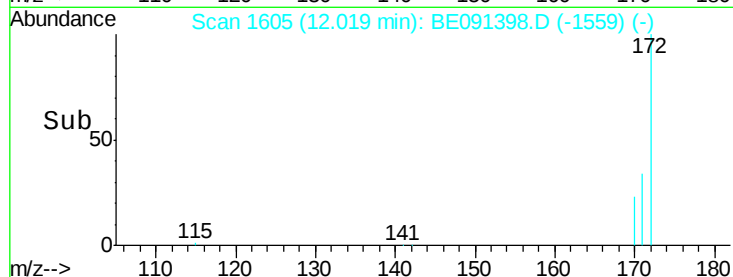
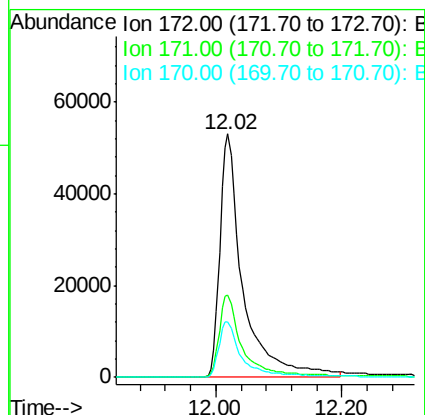
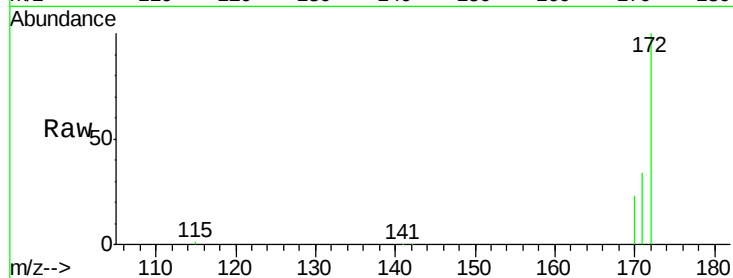




#10
2-Fluorobiphenyl
Concen: 4.05 ng
RT: 12.02 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BE091398.D
Acq: 5 Feb 2016 14:00

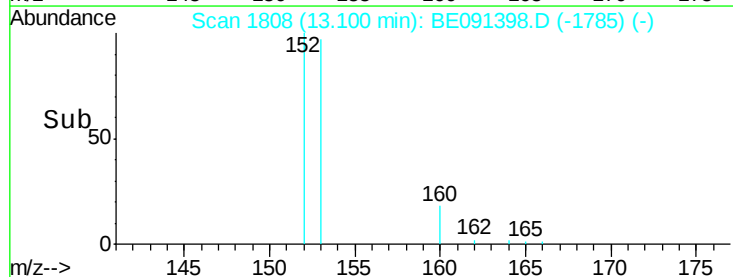
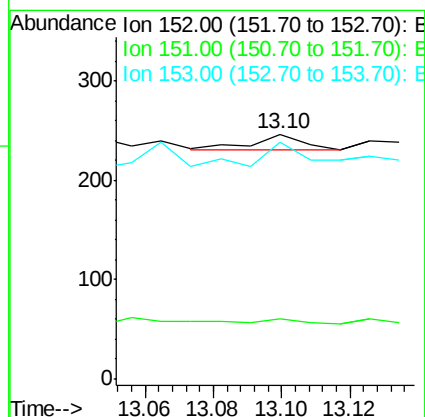
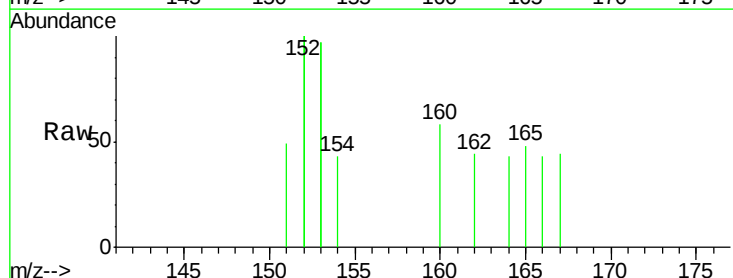
Instrument :
BNA_E
ClientSampleId :

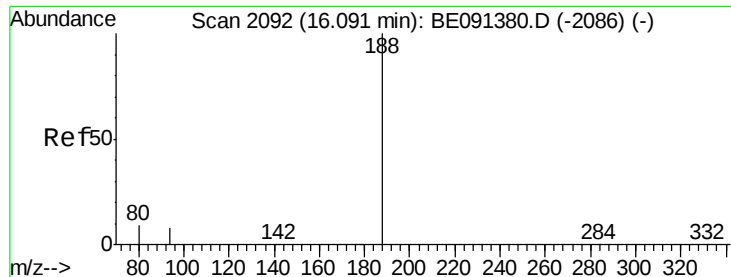
Tot Ion:172 Resp: 134574
Ion Ratio Lower Upper
172 100
171 33.7 27.8 41.8
170 22.7 18.6 28.0



#11
Acenaphthylene
Concen: 0.18 ng
RT: 13.10 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BE091398.D
Acq: 5 Feb 2016 14:00

Tgt Ion:152 Resp: 17
Ion Ratio Lower Upper
152 100
151 0.0 3.8 5.8#
153 111.8 10.2 15.4#

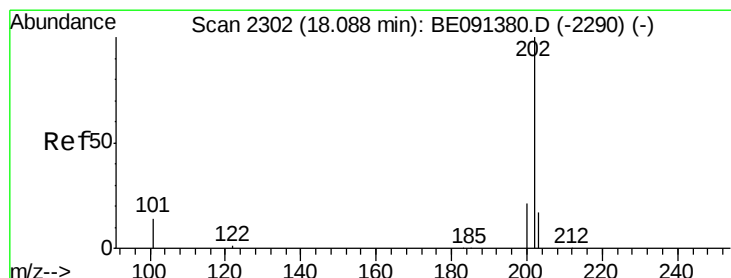
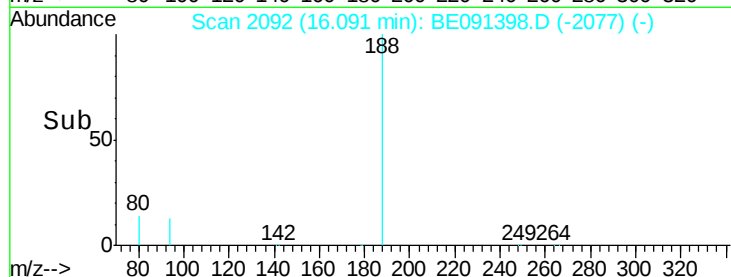
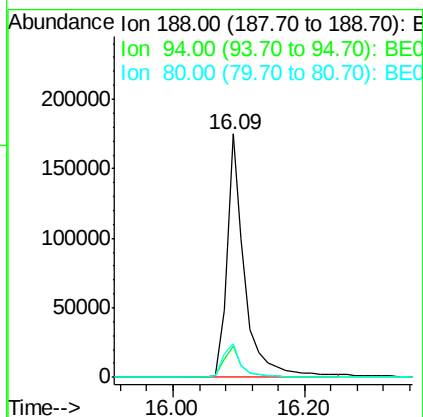
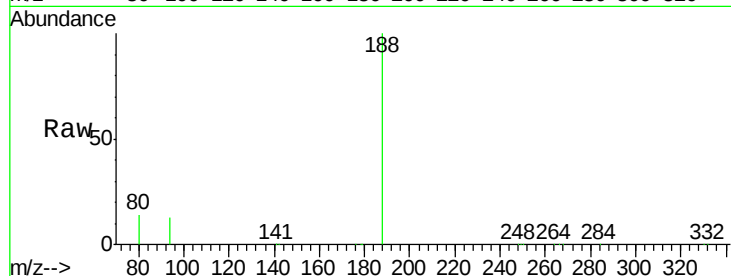




#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.09 min Scan# 2092
Delta R.T. -0.00 min
Lab File: BE091398.D
Acq: 5 Feb 2016 14:00

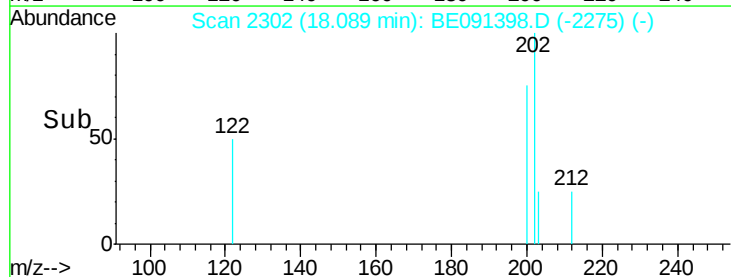
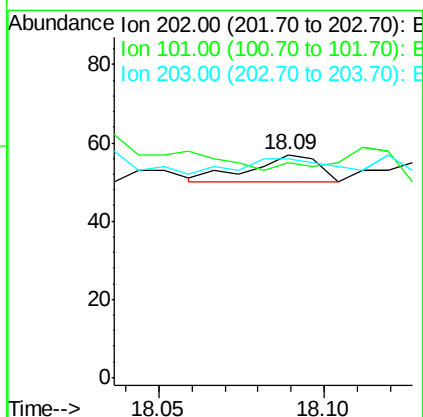
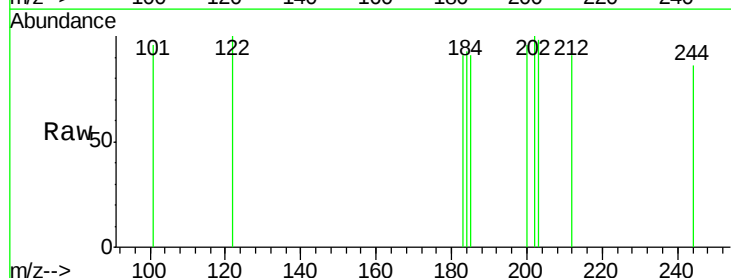
Instrument :
BNA_E
ClientSampleId :

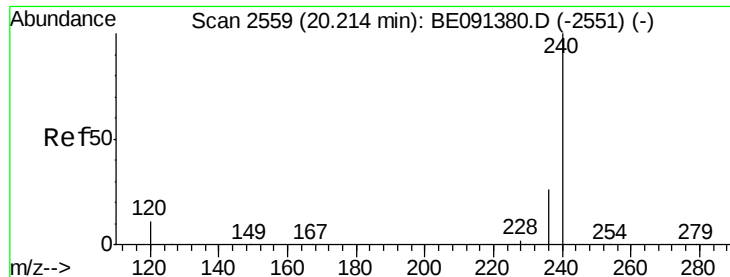
Tot Ion:188 Resp: 332313
Ion Ratio Lower Upper
188 100
94 12.6 6.6 10.0#
80 13.7 7.0 10.6#



#17
Fluoranthene
Concen: 0.12 ng
RT: 18.09 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE091398.D
Acq: 5 Feb 2016 14:00

Tgt Ion:202 Resp: 10
Ion Ratio Lower Upper
202 100
101 0.0 10.5 15.7#
203 80.0 13.9 20.9#

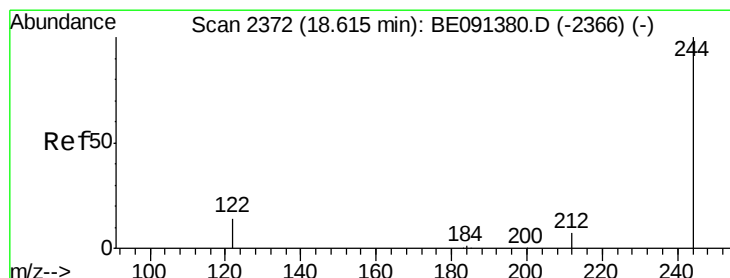
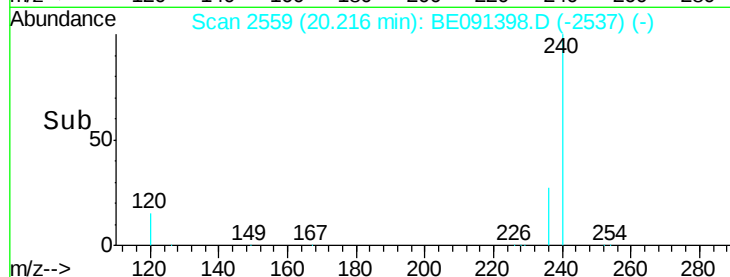
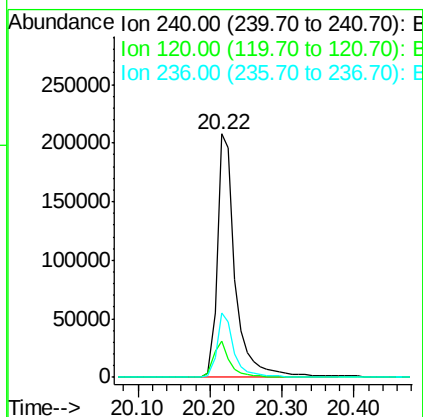
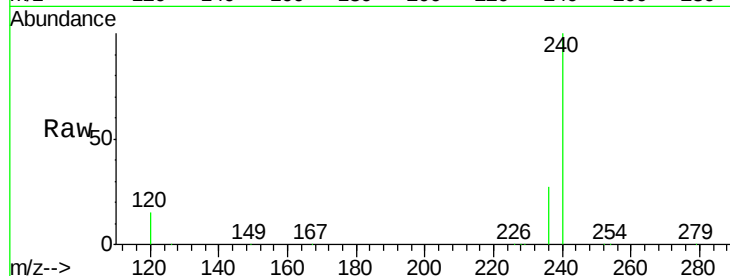




#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.22 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BE091398.D
 Acq: 5 Feb 2016 14:00

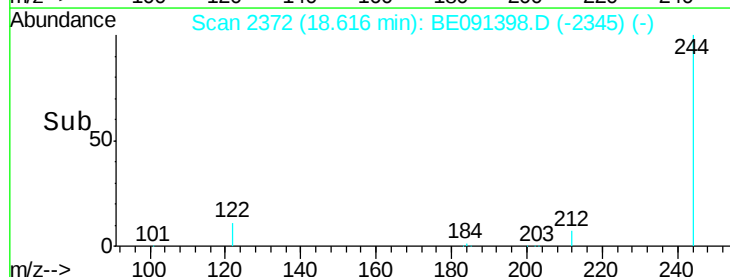
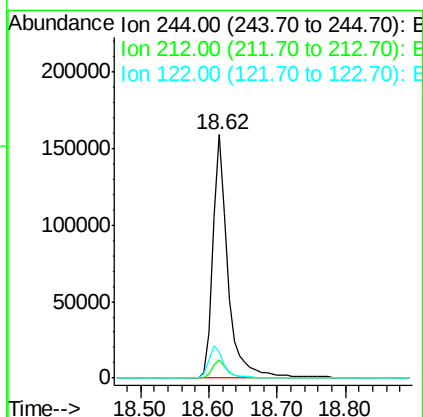
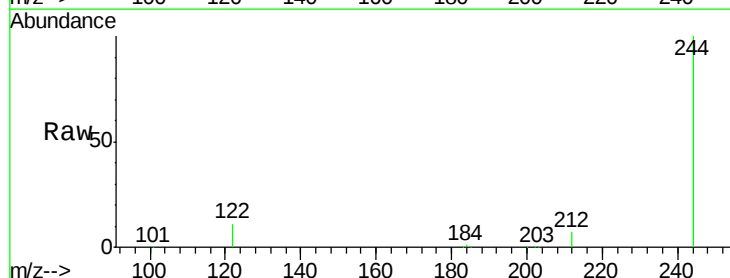
Instrument :
 BNA_E
 ClientSampled :

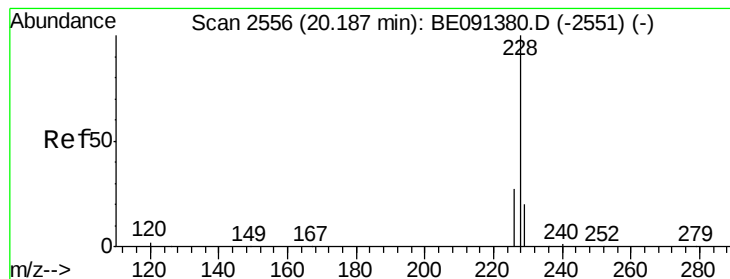
Tot Ion:240 Resp: 360046
 Ion Ratio Lower Upper
 240 100
 120 15.0 8.9 13.3#
 236 26.6 21.0 31.4



#20
 Terphenyl-d14
 Concen: 4.59 ng
 RT: 18.62 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: BE091398.D
 Acq: 5 Feb 2016 14:00

Tgt Ion:244 Resp: 244422
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 10.9 11.0 16.6#





#21

Benzo(a)anthracene

Concen: 0.18 ng

RT: 20.22 min Scan# 2559

Delta R.T. 0.03 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

Instrument :

BNA_E

ClientSampleId :

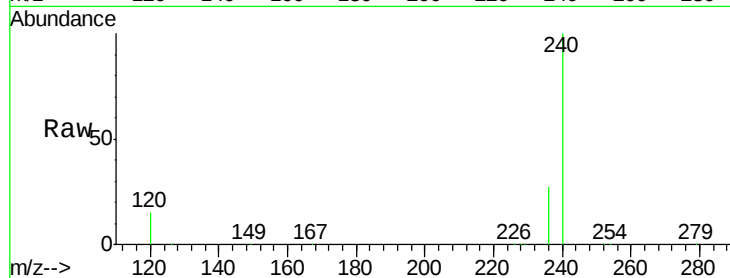
Tot Ion:228 Resp: 1065

Ion Ratio Lower Upper

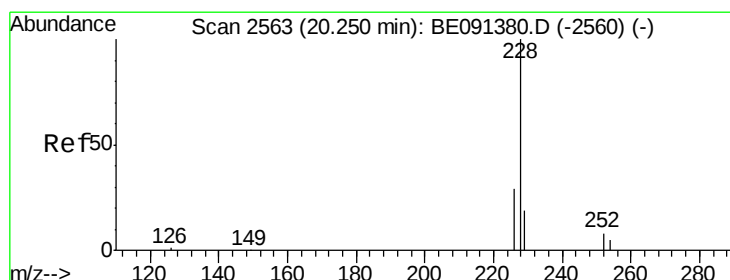
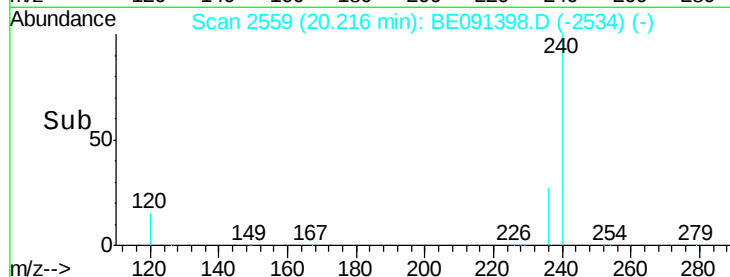
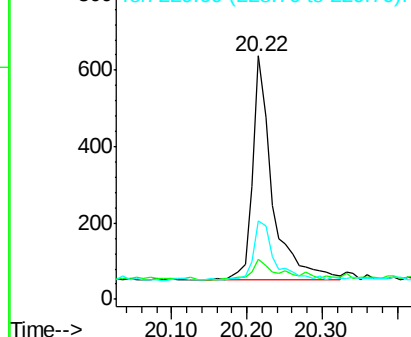
228 100

226 16.3 21.7 32.5#

229 32.4 16.1 24.1#



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



#22

Chrysene

Concen: Below Cal

RT: 20.22 min Scan# 2559

Delta R.T. -0.03 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

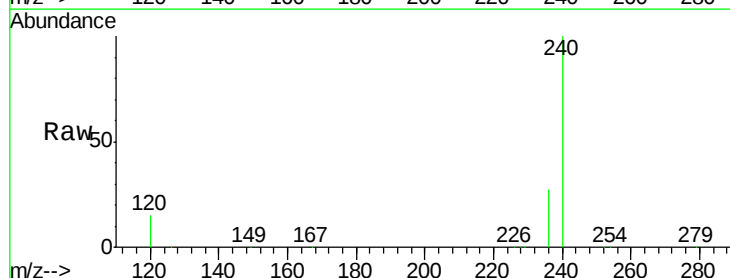
Tgt Ion:228 Resp: 1065

Ion Ratio Lower Upper

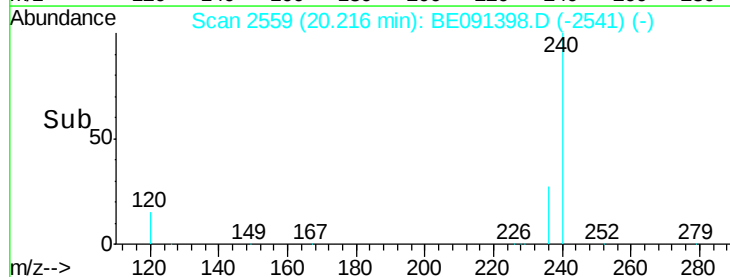
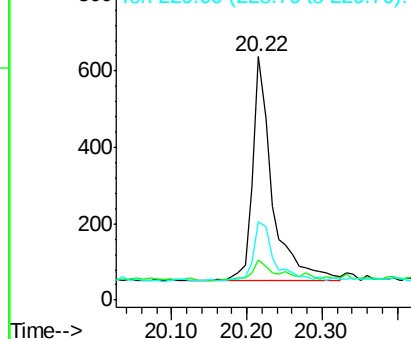
228 100

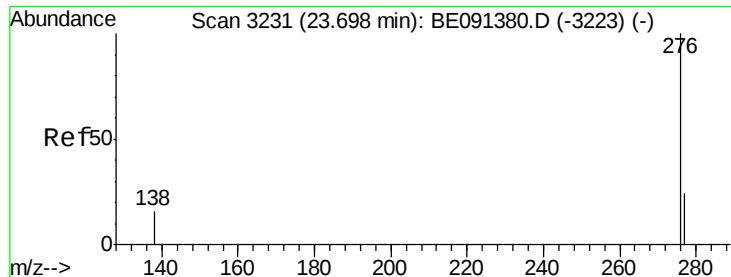
226 16.3 23.4 35.0#

229 32.4 15.7 23.5#



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

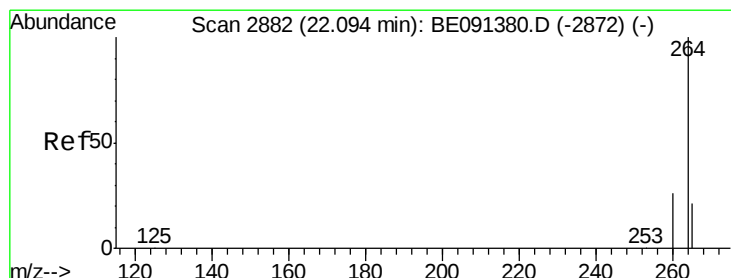
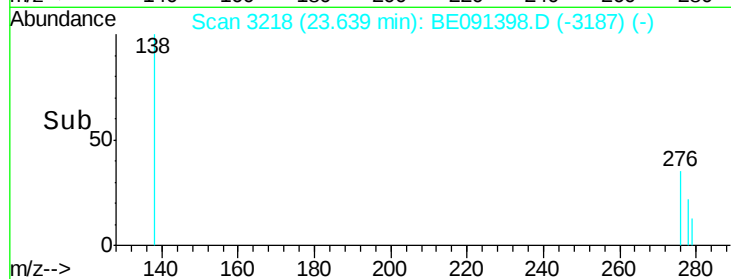
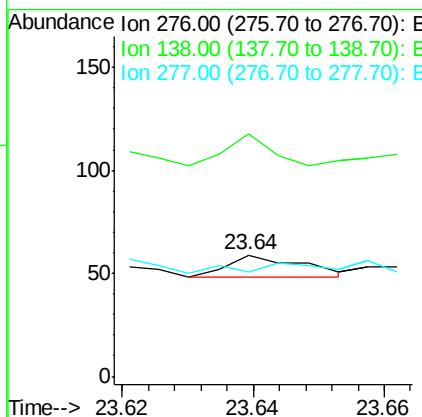
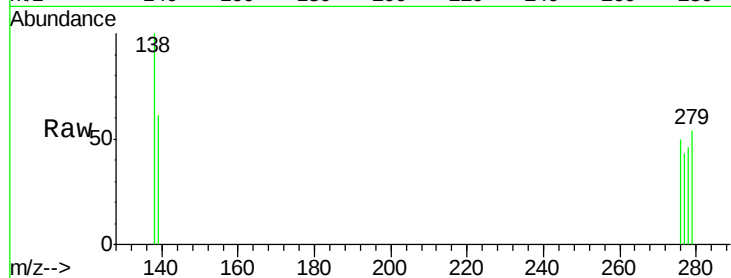




#23
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng
RT: 23.64 min Scan# 3218
Delta R.T. -0.06 min
Lab File: BE091398.D
Acq: 5 Feb 2016 14:00

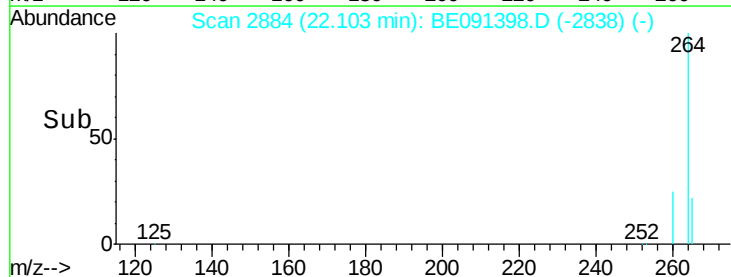
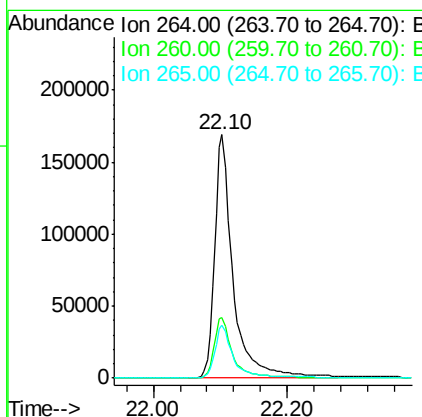
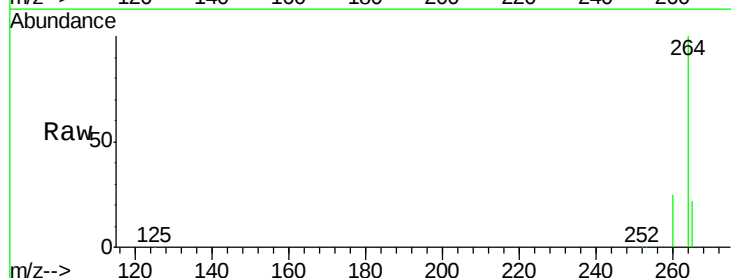
Instrument :
BNA_E
ClientSampleId :

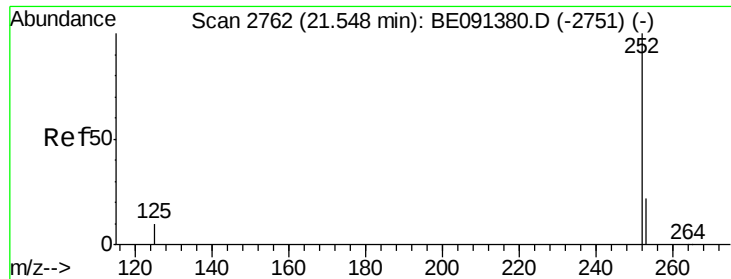
Tot Ion: 276 Resp: 9
Ion Ratio Lower Upper
276 100
138 77.8 16.6 25.0#
277 44.4 19.0 28.6#



#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2884
Delta R.T. 0.01 min
Lab File: BE091398.D
Acq: 5 Feb 2016 14:00

Tgt Ion: 264 Resp: 324397
Ion Ratio Lower Upper
264 100
260 24.7 20.7 31.1
265 21.7 17.2 25.8





#25

Benzo(b)fluoranthene

Concen: 0.15 ng

RT: 21.57 min Scan# 2768

Delta R.T. 0.03 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

Instrument :

BNA_E

ClientSampleId :

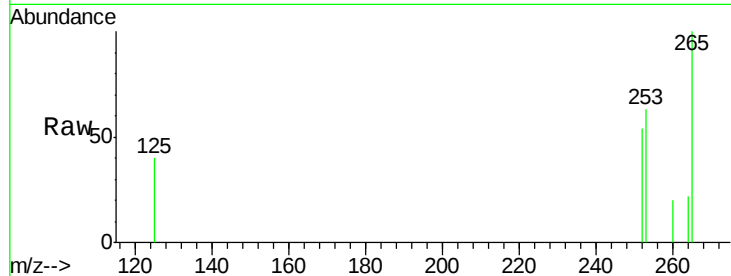
Tot Ion:252 Resp: 49

Ion Ratio Lower Upper

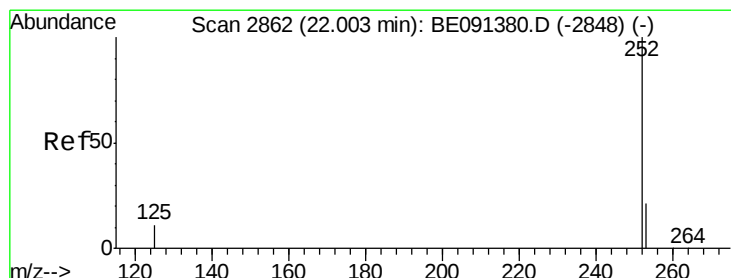
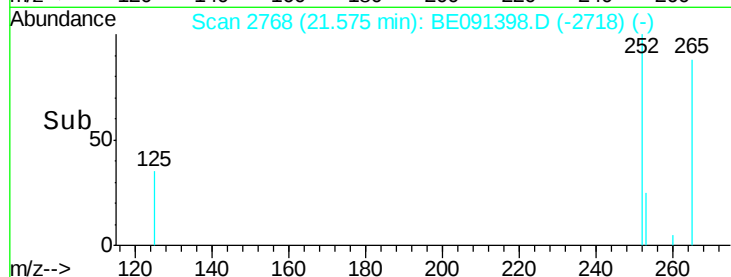
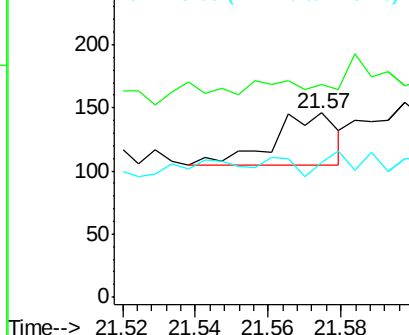
252 100

253 115.8 18.2 27.2#

125 73.3 8.3 12.5#



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



#27

Benzo(a)pyrene

Concen: 0.19 ng

RT: 22.10 min Scan# 2883

Delta R.T. 0.10 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

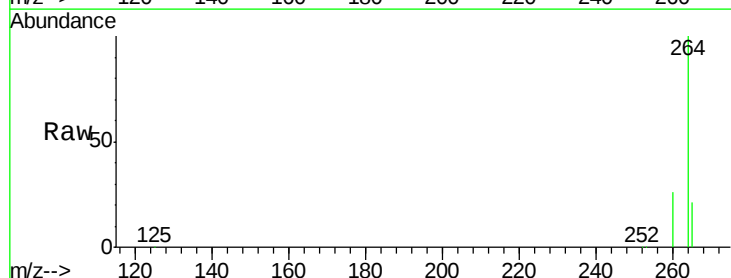
Tgt Ion:252 Resp: 1205

Ion Ratio Lower Upper

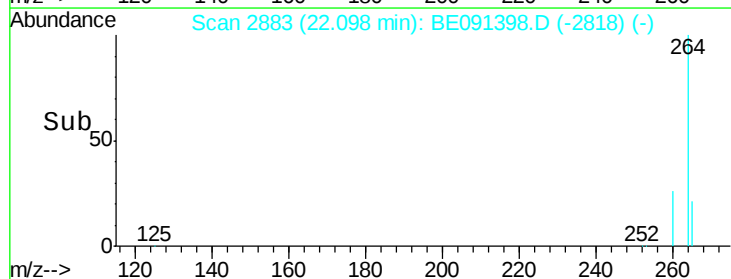
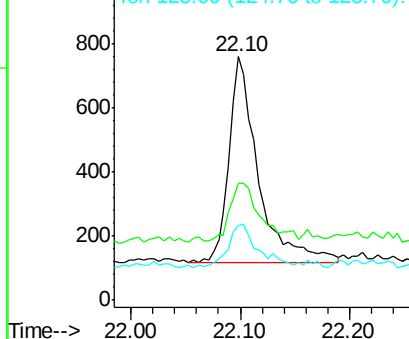
252 100

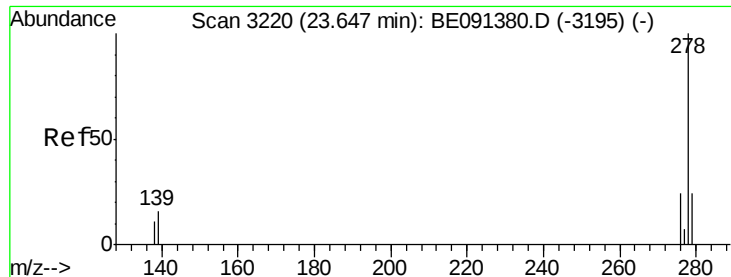
253 48.0 17.5 26.3#

125 30.7 9.4 14.0#



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





#28

Dibenzo(a,h)anthracene

Concen: 0.25 ng

RT: 23.60 min Scan# 3209

Delta R.T. -0.05 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

Instrument :

BNA_E

ClientSampled :

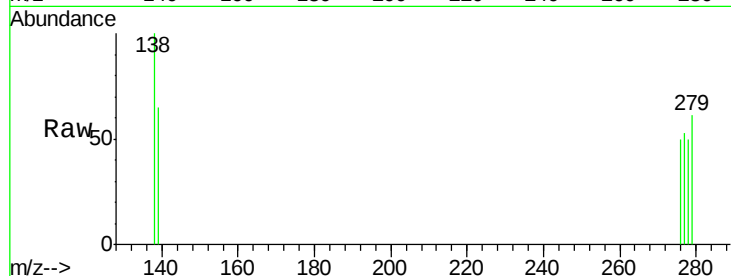
Tot Ion:278 Resp: 8

Ion Ratio Lower Upper

278 100

139 129.6 13.0 19.4#

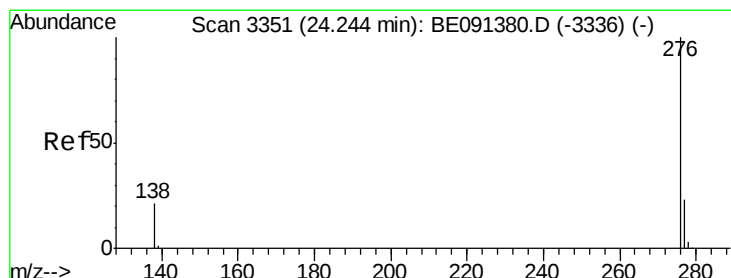
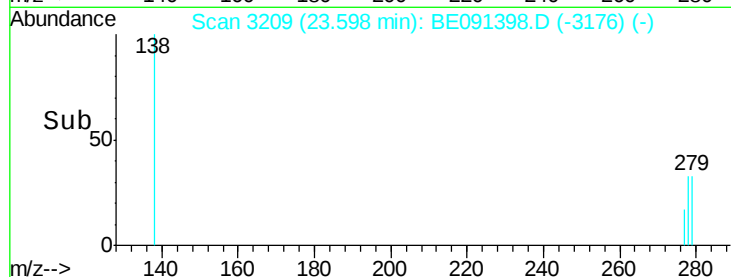
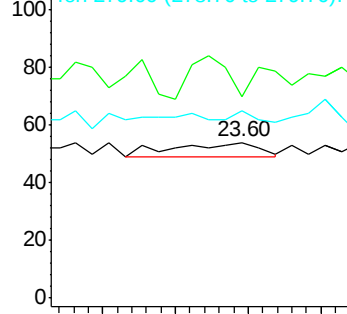
279 120.4 19.2 28.8#



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



#29

Benzo(g,h,i)perylene

Concen: 0.14 ng

RT: 24.25 min Scan# 3351

Delta R.T. 0.00 min

Lab File: BE091398.D

Acq: 5 Feb 2016 14:00

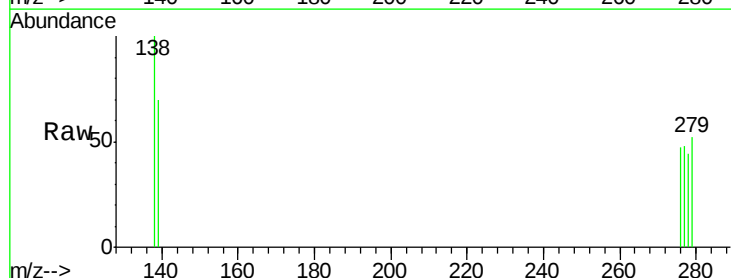
Tgt Ion:276 Resp: 7

Ion Ratio Lower Upper

276 100

277 101.8 18.9 28.3#

138 210.9 17.0 25.6#



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

