

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BE089482.D
 Acq On : 31 Jan 2015 23:55
 Operator : TP/IZ
 Sample : MDL-07-W
 Misc : MDL-WATER-0.2/0.4
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 02 03:43:12 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 31 05:05:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	57158	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	242261	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	133478	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	215055	5.00	ng	0.00
16) Chrysene-d12	23.84	240	156678	5.00	ng	0.00
22) Perylene-d12	25.55	264	128249	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	159584	9.95	ng	0.00
7) 2-Fluorobiphenyl	15.13	172	287326	8.17	ng	0.00
18) Terphenyl-d14	22.48	244	240898	10.27	ng	0.00

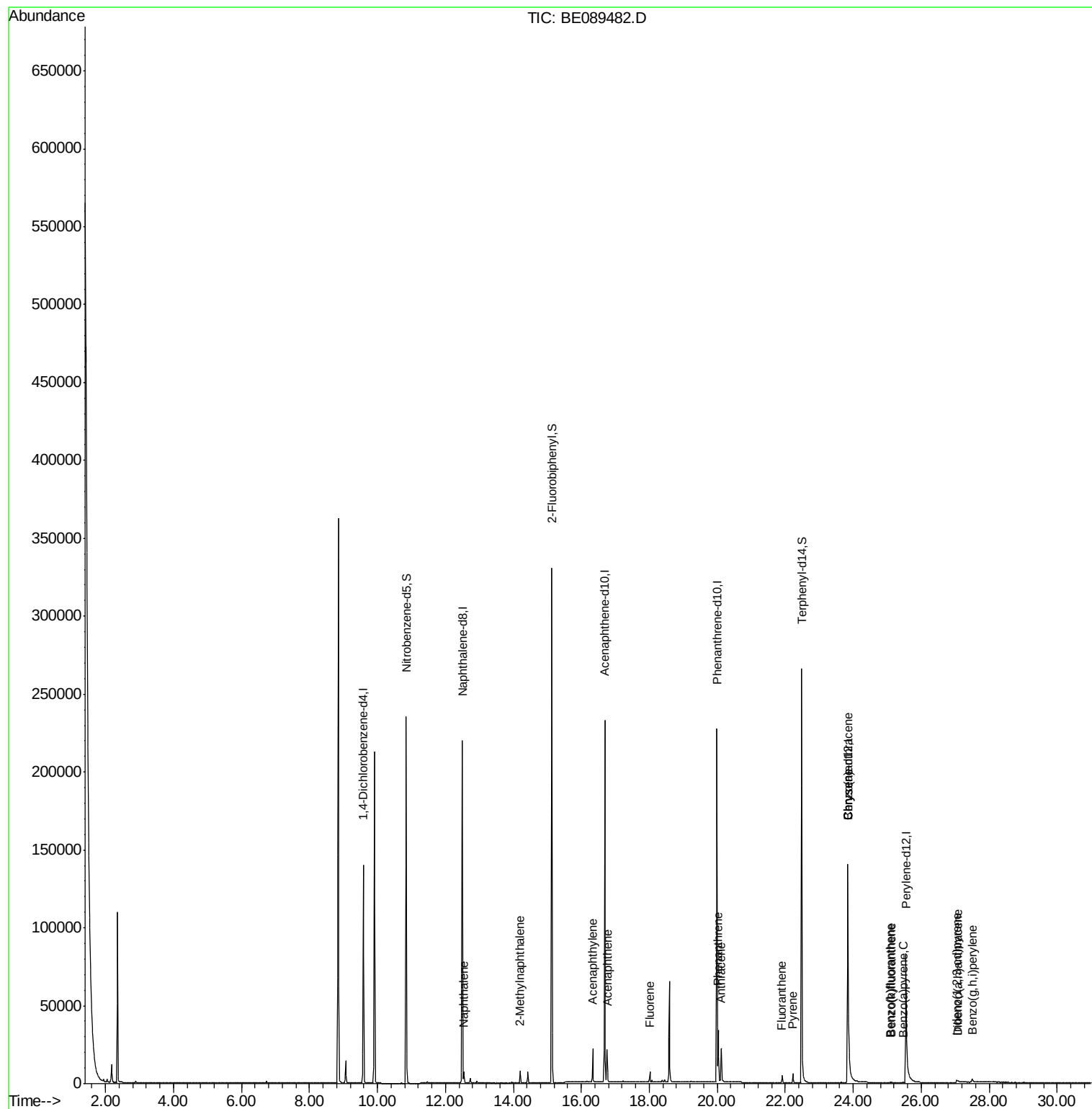
Target Compounds						Qvalue
4) Naphthalene	12.54	128	8048	0.14	ng	99
5) 2-Methylnaphthalene	14.20	142	4943	0.14	ng	96
8) Acenaphthylene	16.33	152	27237	0.11	ng	99
9) Acenaphthene	16.76	154	4573	0.13	ng	96
10) Fluorene	18.01	166	4978	0.12	ng	100
12) Pentachlorophenol	19.66	266	205	Below Cal	#	84
13) Phenanthrene	20.03	178	30871	0.15	ng	98
14) Anthracene	20.11	178	24387	0.13	ng	99
15) Fluoranthene	21.91	202	5255	0.11	ng	98
17) Pyrene	22.23	202	5437	0.13	ng	98
19) Benzo(a)anthracene	23.83	228	12353	0.09	ng	97
20) Chrysene	23.83	228	12353	0.08	ng	92
21) Indeno(1,2,3-cd)pyrene	27.04	276	3496	0.03	ng	# 90
23) Benzo(b)fluoranthene	25.10	252	785	0.22	ng	# 83
24) Benzo(k)fluoranthene	25.12	252	944	0.03	ng	# 81
25) Benzo(a)pyrene	25.47	252	924	0.16	ng	# 71
26) Dibenzo(a,h)anthracene	27.08	278	543	0.15	ng	# 61
27) Benzo(g,h,i)perylene	27.50	276	4684	0.05	ng	# 69

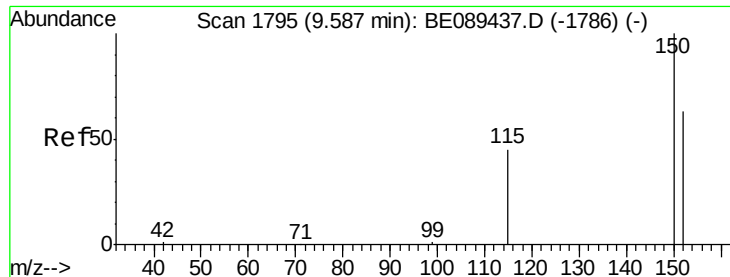
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089482.D
Acq On : 31 Jan 2015 23:55
Operator : TP/IZ
Sample : MDL-07-W
Misc : MDL-WATER-0.2/0.4
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Feb 02 03:43:12 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 31 05:05:18 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1795

Delta R.T. -0.00 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Instrument :

BNA_E

ClientSampleId :

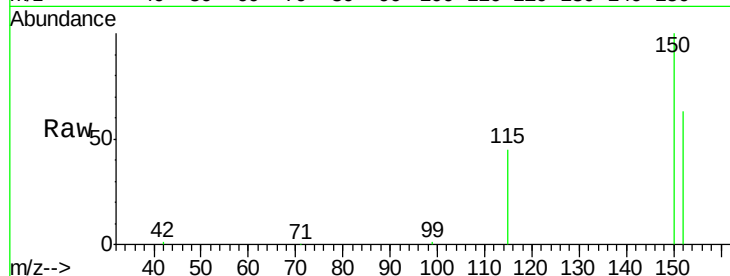
Tgt Ion:152 Resp: 57158

Ion Ratio Lower Upper

152 100

150 158.1 127.2 190.8

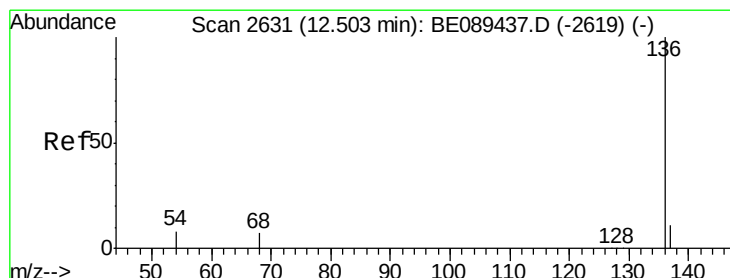
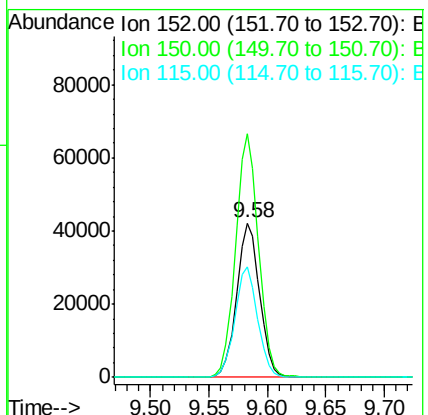
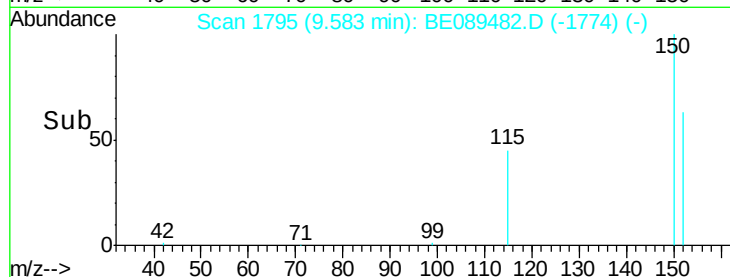
115 71.9 57.5 86.3



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

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 2630

Delta R.T. -0.01 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

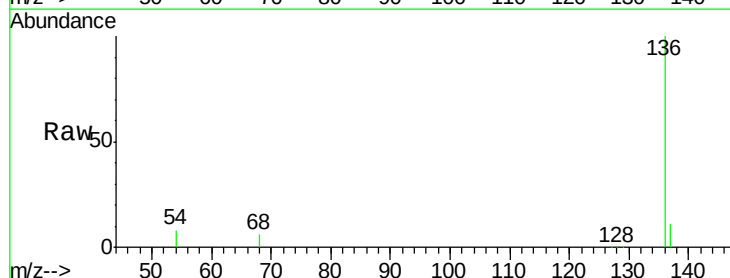
Tgt Ion:136 Resp: 242261

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

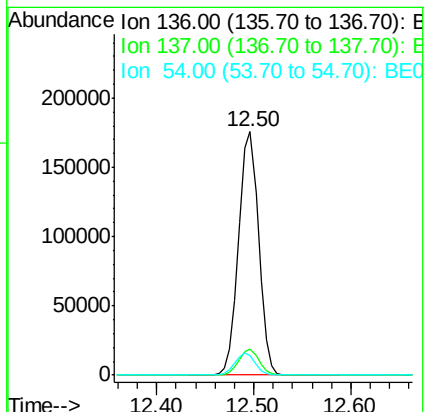
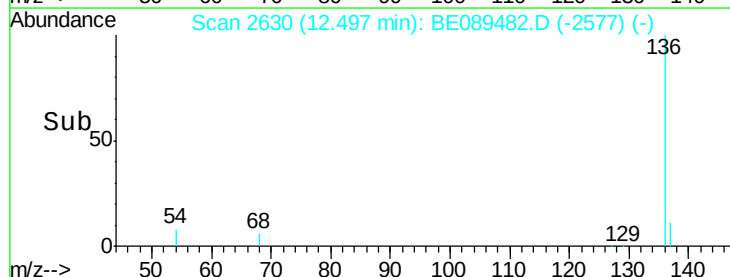
54 7.9 6.6 10.0

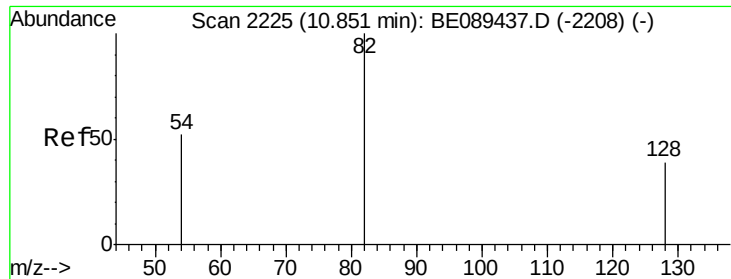


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 9.95 ng

RT: 10.85 min Scan# 2224

Delta R.T. -0.00 min

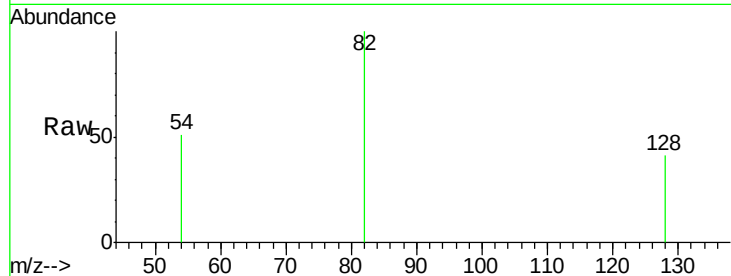
Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

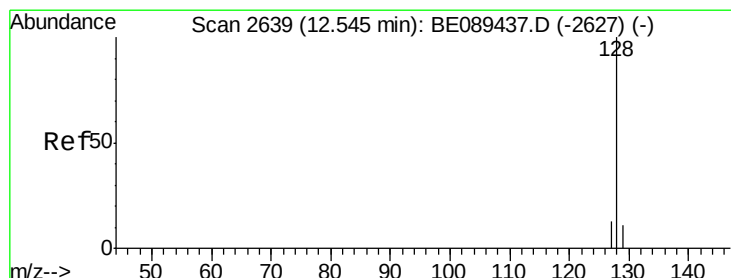
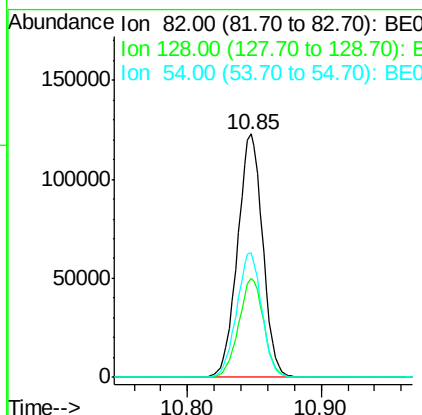
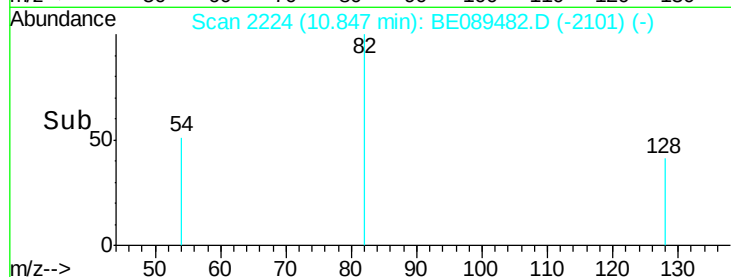
Instrument :

BNA_E

ClientSampleId :



Tgt Ion:	82	Resp:	159584
Ion	Ratio	Lower	Upper
82	100		
128	40.6	31.2	46.8
54	51.1	41.9	62.9



#4

Naphthalene

Concen: 0.14 ng

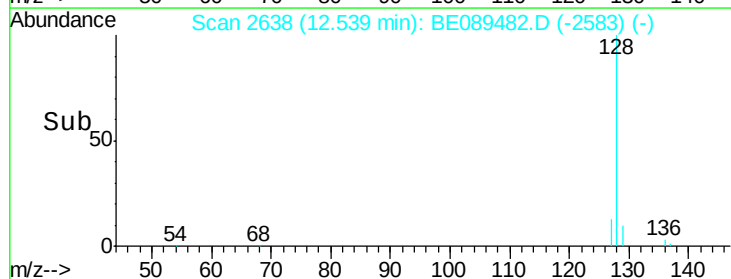
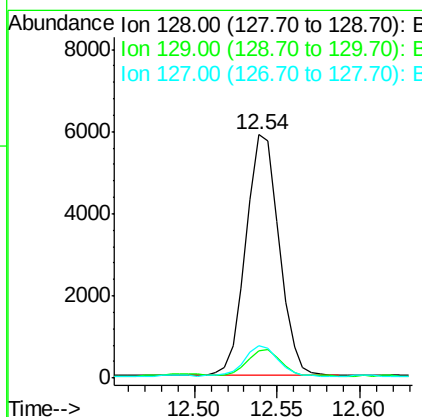
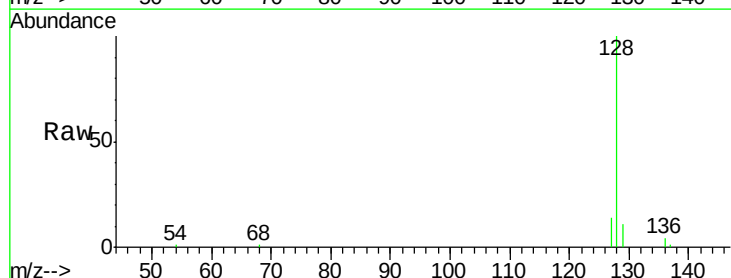
RT: 12.54 min Scan# 2638

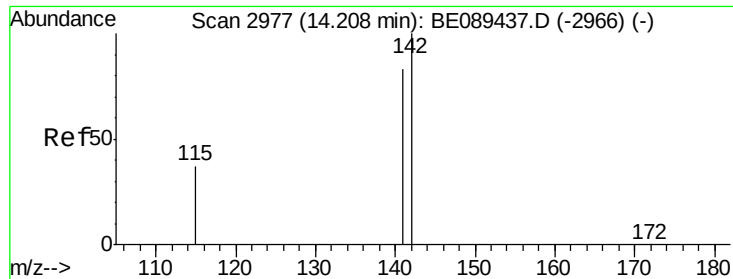
Delta R.T. -0.01 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Tgt Ion:	128	Resp:	8048
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.5	10.6	16.0





#5

2-Methylnaphthalene

Concen: 0.14 ng

RT: 14.20 min Scan# 2976

Delta R.T. -0.01 min

Lab File: BE089482.D

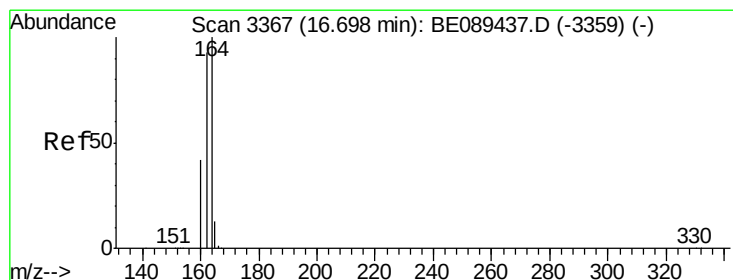
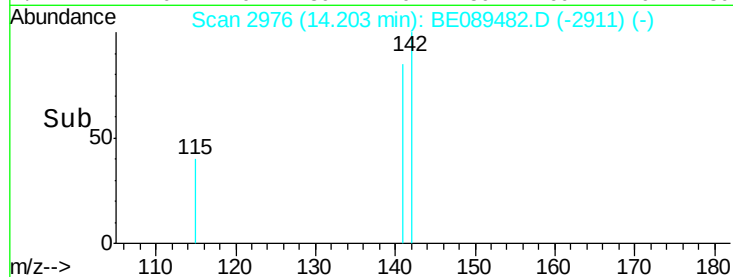
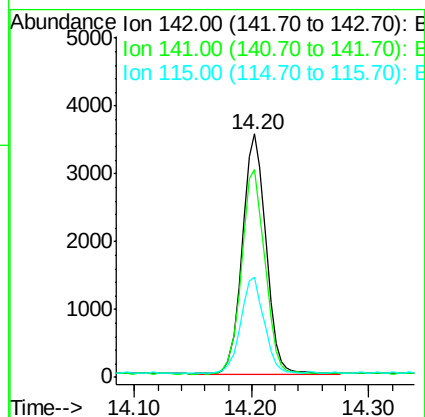
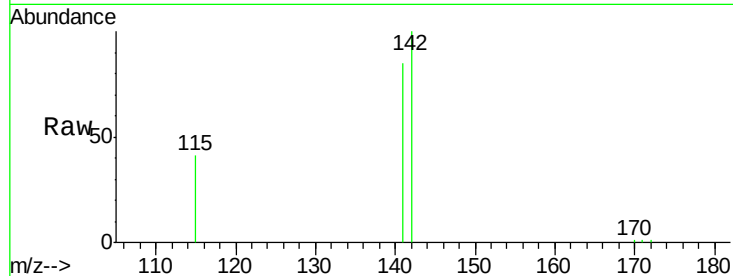
Acq: 31 Jan 2015 23:55

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	142	Resp:	4943
Ion	Ratio	Lower	Upper
142	100		
141	85.3	66.1	99.1
115	41.1	29.9	44.9



#6

Acenaphthene-d10

Concen: 5.00 ng

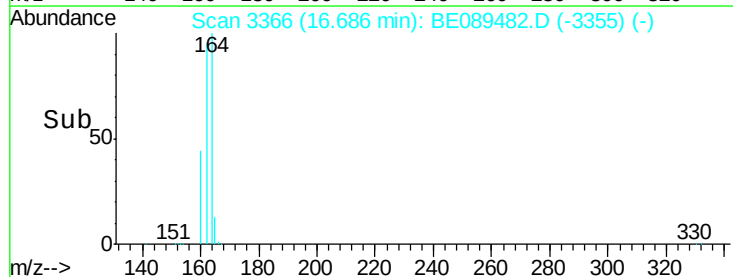
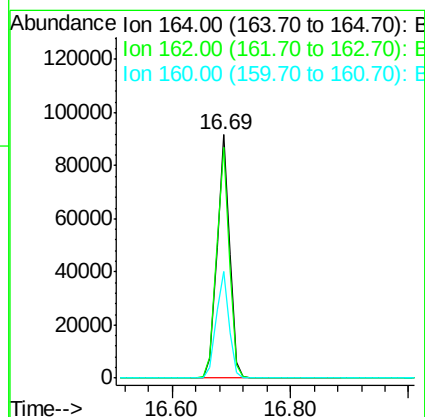
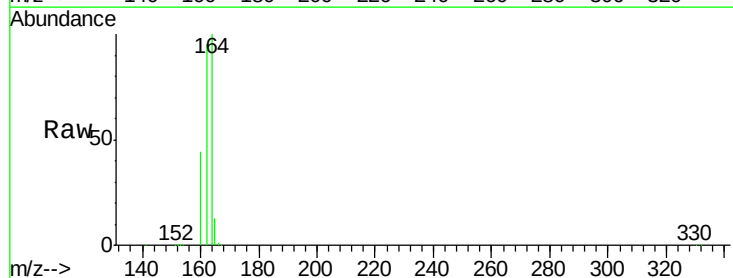
RT: 16.69 min Scan# 3366

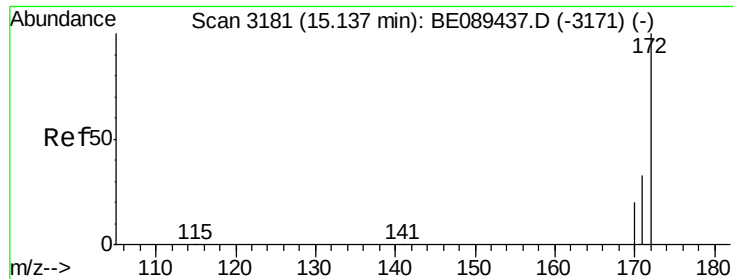
Delta R.T. -0.01 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Tgt Ion:	164	Resp:	133478
Ion	Ratio	Lower	Upper
164	100		
162	95.0	74.7	112.1
160	43.7	33.4	50.0





#7

2-Fluorobiphenyl

Concen: 8.17 ng

RT: 15.13 min Scan# 3180

Delta R.T. -0.01 min

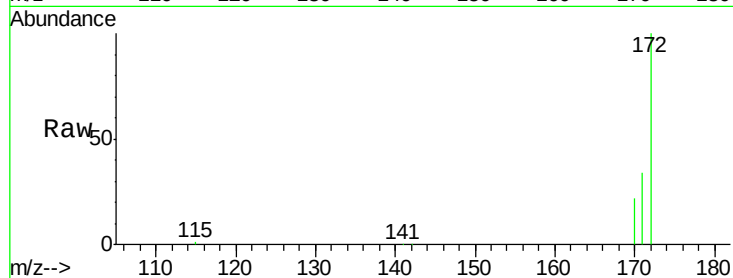
Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

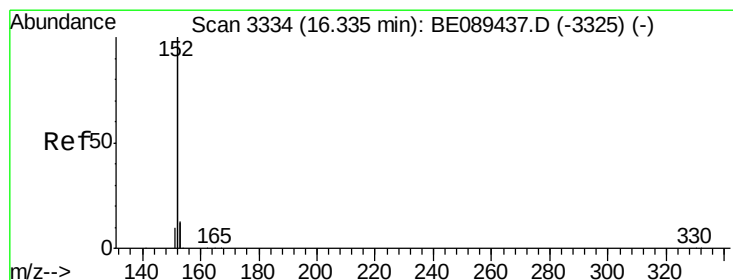
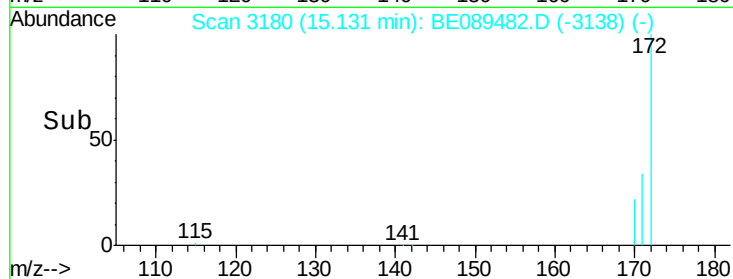
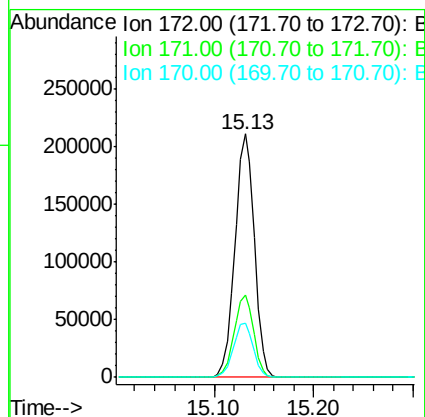
Instrument :

BNA_E

ClientSampled :



Tgt Ion:	172	Resp:	287326
Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.2	39.4
170	22.2	16.5	24.7



#8

Acenaphthylene

Concen: 0.11 ng

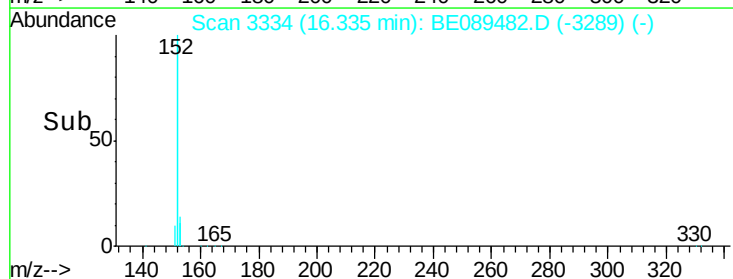
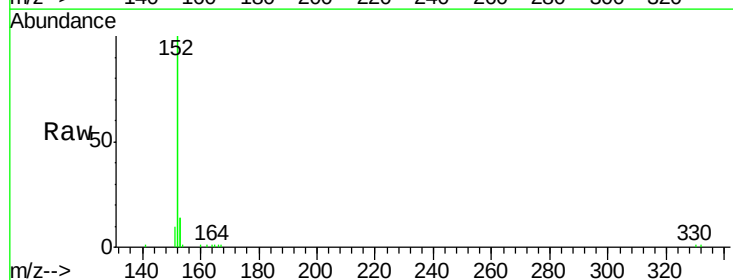
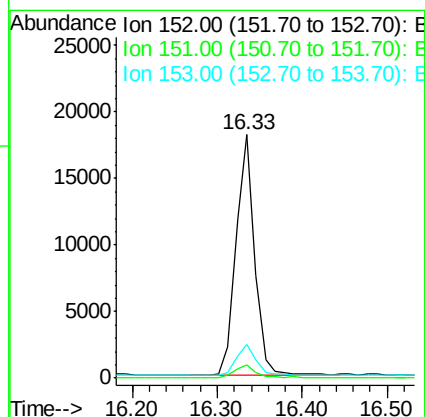
RT: 16.33 min Scan# 3334

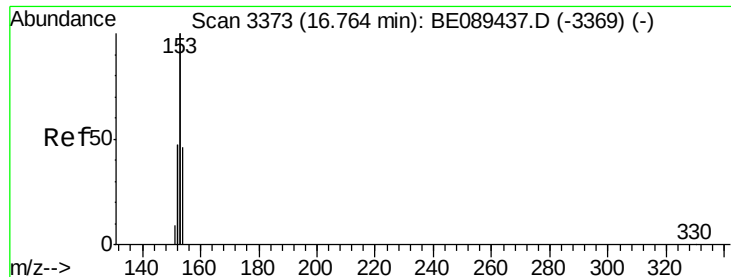
Delta R.T. -0.00 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Tgt Ion:	152	Resp:	27237
Ion	Ratio	Lower	Upper
152	100		
151	5.1	3.9	5.9
153	13.3	10.3	15.5





#9

Acenaphthene

Concen: 0.13 ng

RT: 16.76 min Scan# 3373

Delta R.T. -0.00 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Instrument :

BNA_E

ClientSampleId :

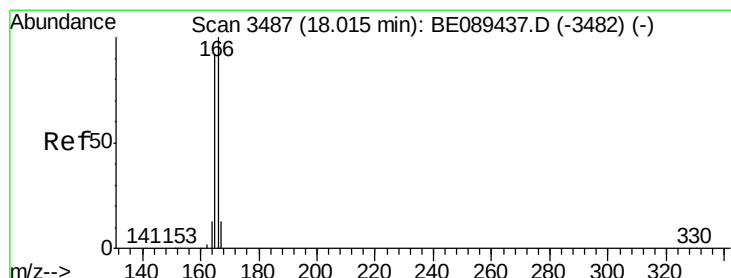
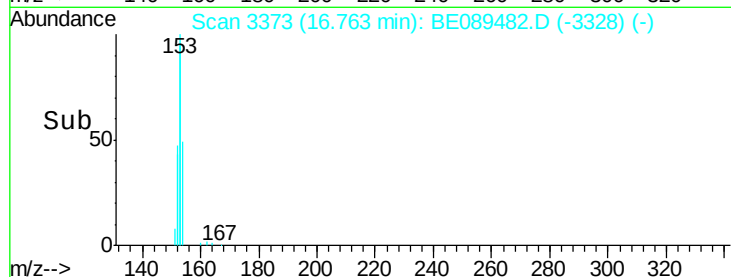
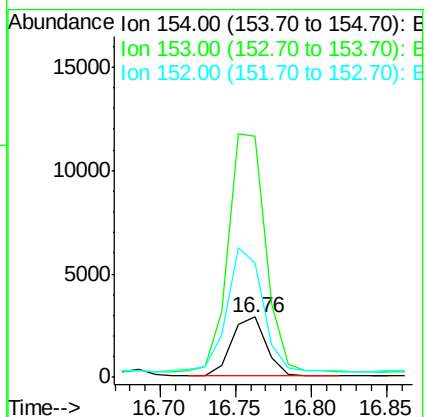
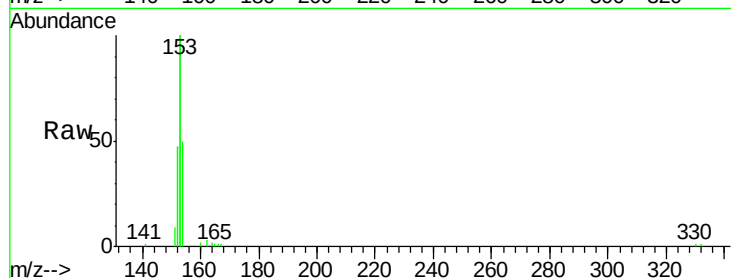
Tgt Ion:154 Resp: 4573

Ion Ratio Lower Upper

154 100

153 432.5 342.3 513.5

152 222.0 165.5 248.3



#10

Fluorene

Concen: 0.12 ng

RT: 18.01 min Scan# 3487

Delta R.T. -0.00 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

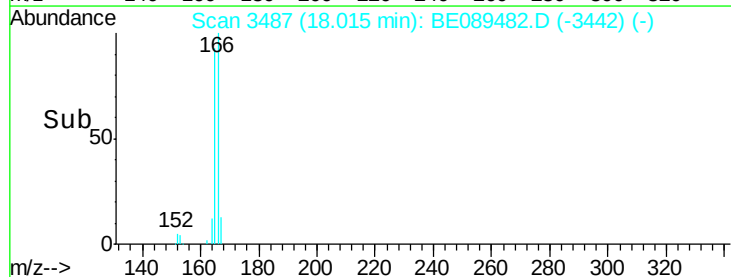
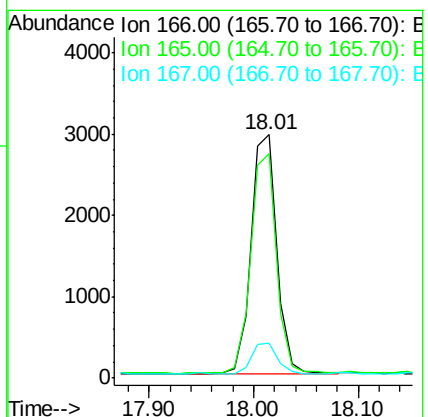
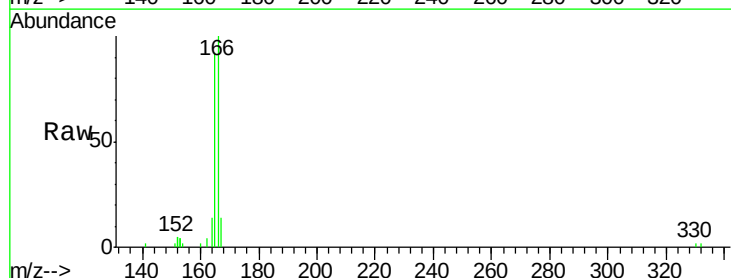
Tgt Ion:166 Resp: 4978

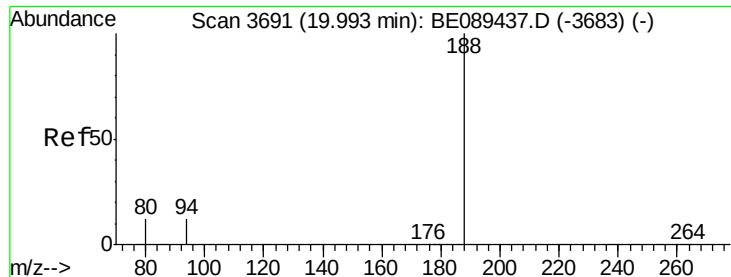
Ion Ratio Lower Upper

166 100

165 93.4 74.4 111.6

167 13.2 10.6 15.8

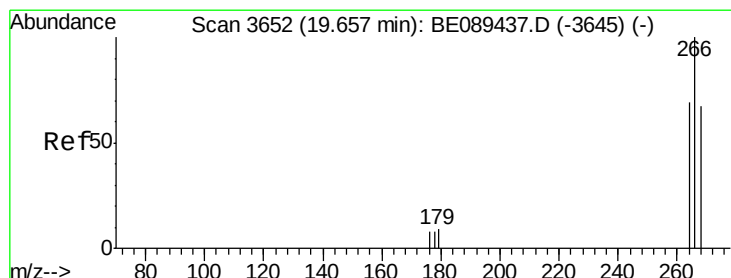
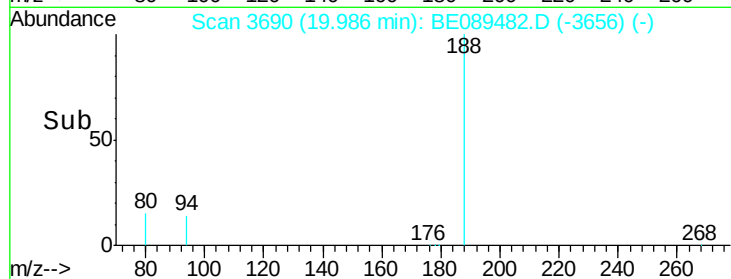
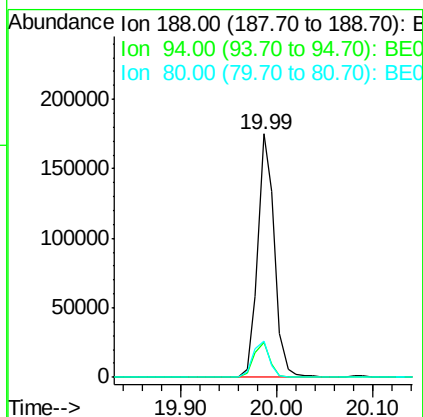
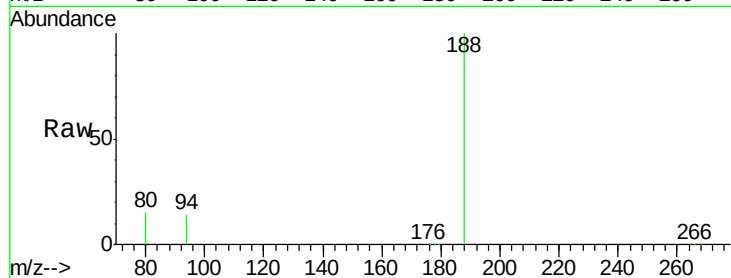




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3690
Delta R.T. -0.01 min
Lab File: BE089482.D
Acq: 31 Jan 2015 23:55

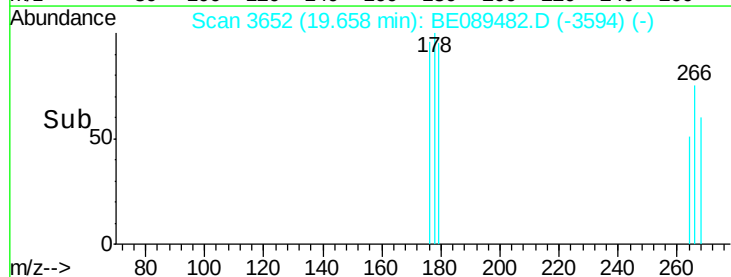
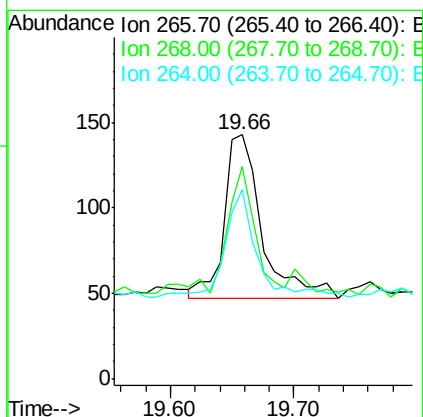
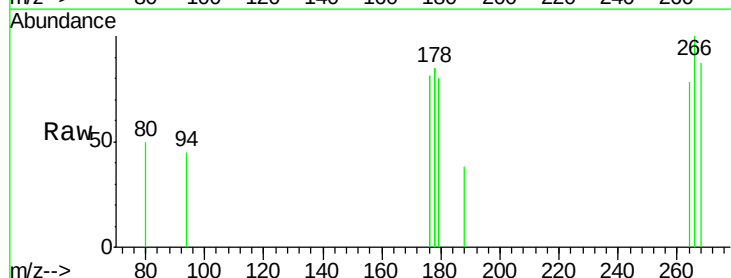
Instrument :
BNA_E
ClientSampleId :

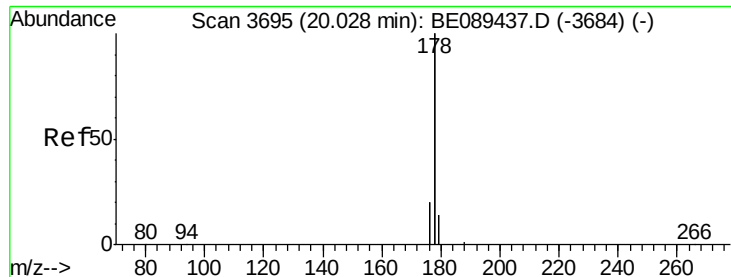
Tgt Ion:188 Resp: 215055
Ion Ratio Lower Upper
188 100
94 14.4 9.4 14.0#
80 14.7 9.3 13.9#



#12
Pentachlorophenol
Concen: Below Cal
RT: 19.66 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BE089482.D
Acq: 31 Jan 2015 23:55

Tgt Ion:266 Resp: 205
Ion Ratio Lower Upper
266 100
268 86.7 54.2 81.4#
264 77.6 56.2 84.2





#13

Phenanthrene

Concen: 0.15 ng

RT: 20.03 min Scan# 3695

Delta R.T. 0.00 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Instrument :

BNA_E

ClientSampleId :

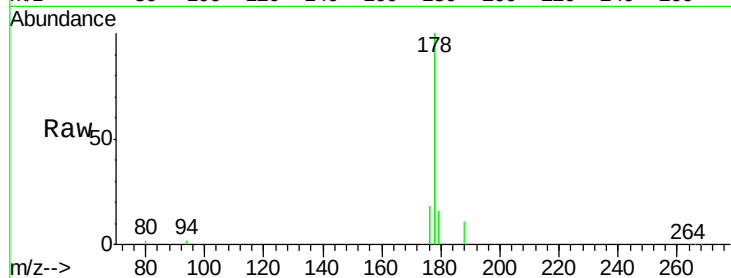
Tgt Ion:178 Resp: 30871

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

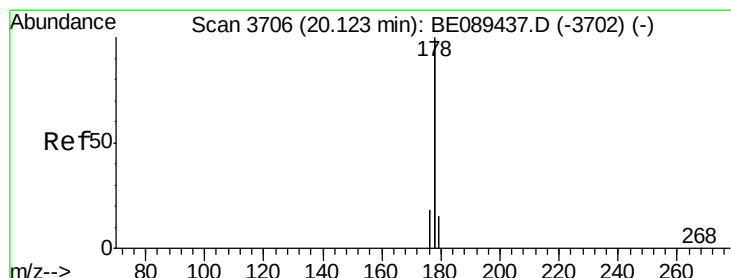
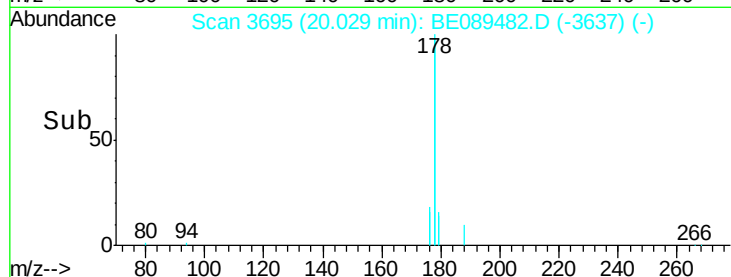
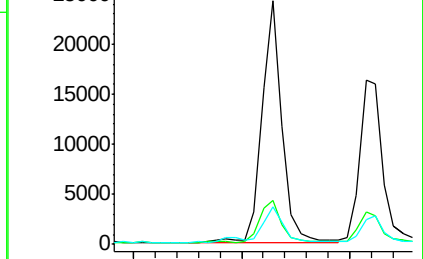
179 16.9 12.3 18.5



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



#14

Anthracene

Concen: 0.13 ng

RT: 20.11 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

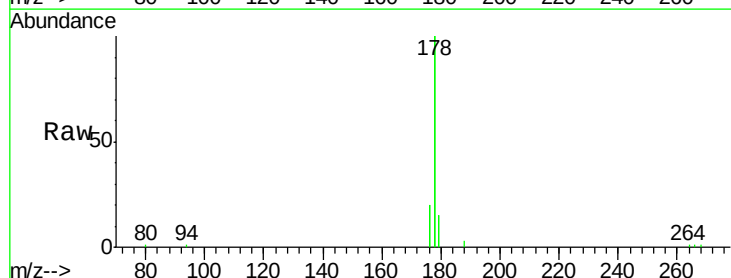
Tgt Ion:178 Resp: 24387

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

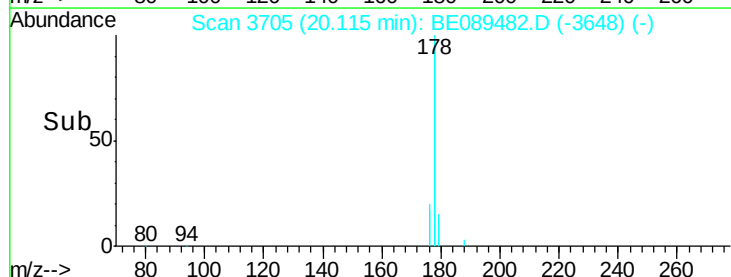
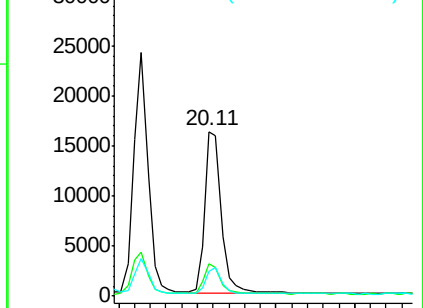
179 14.9 12.2 18.2

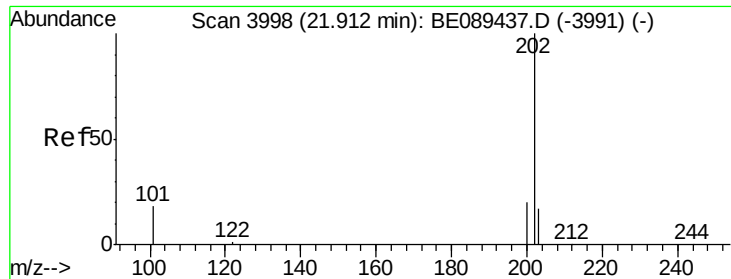


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

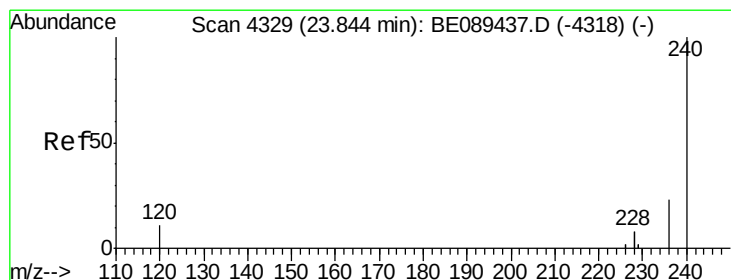
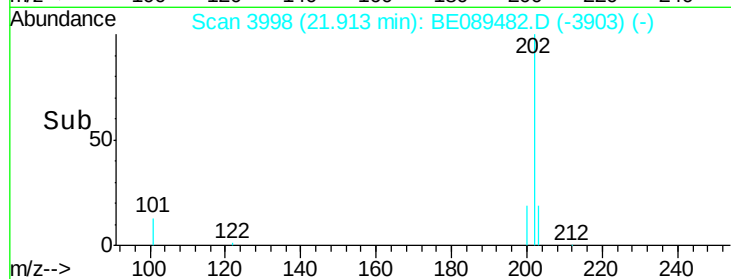
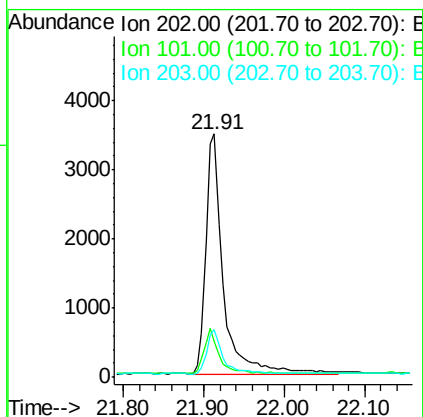
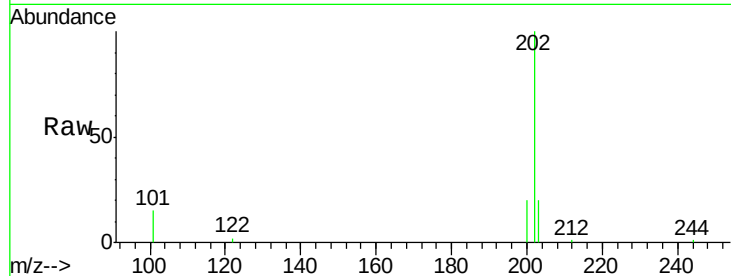




#15
Fluoranthene
Concen: 0.11 ng
RT: 21.91 min Scan# 3998
Delta R.T. 0.00 min
Lab File: BE089482.D
Acq: 31 Jan 2015 23:55

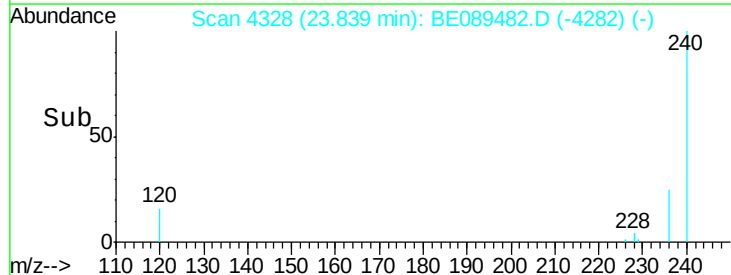
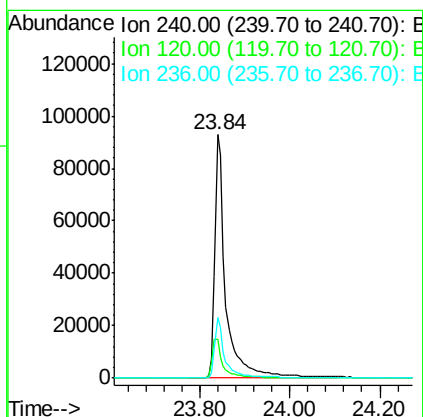
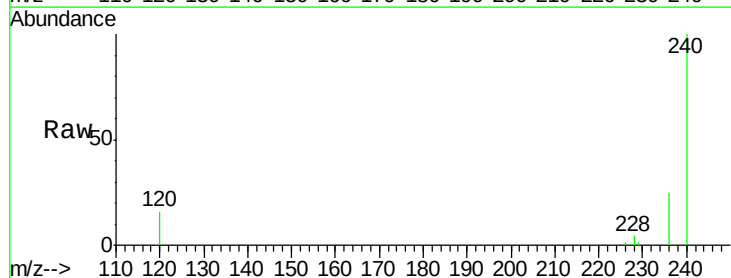
Instrument :
BNA_E
ClientSampleId :

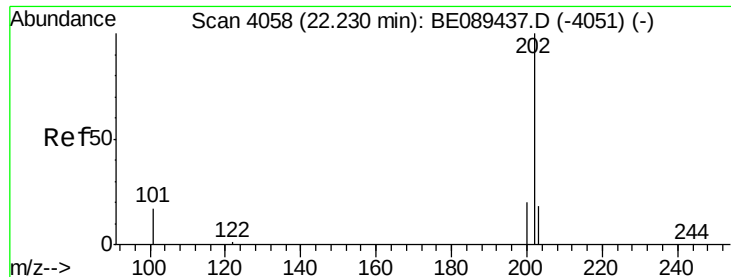
Tgt Ion: 202 Resp: 5255
Ion Ratio Lower Upper
202 100
101 15.6 13.6 20.4
203 17.2 13.8 20.6



#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 4328
Delta R.T. -0.01 min
Lab File: BE089482.D
Acq: 31 Jan 2015 23:55

Tgt Ion: 240 Resp: 156678
Ion Ratio Lower Upper
240 100
120 15.8 8.6 13.0#
236 24.8 18.7 28.1

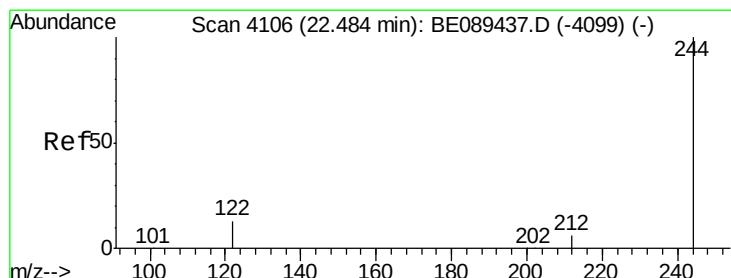
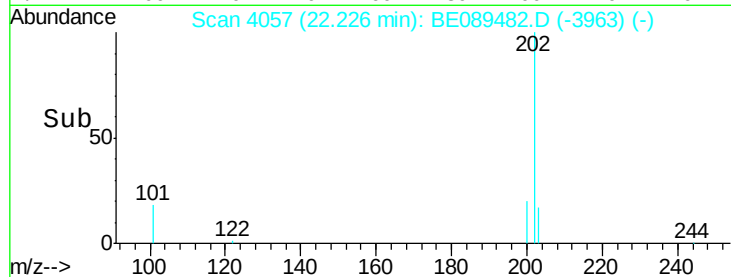
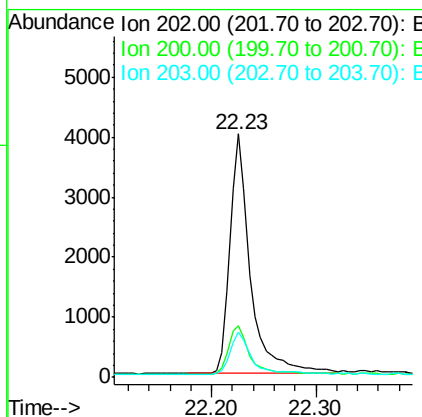
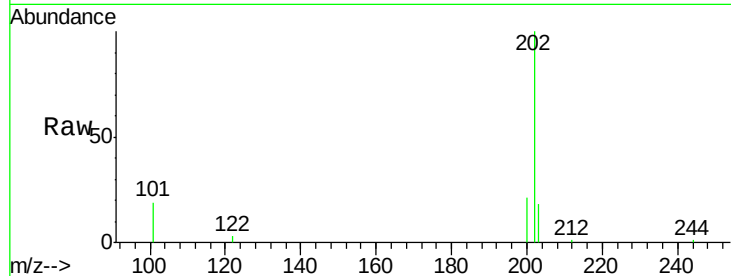




#17
 Pyrene
 Concen: 0.13 ng
 RT: 22.23 min Scan# 4057
 Delta R.T. -0.00 min
 Lab File: BE089482.D
 Acq: 31 Jan 2015 23:55

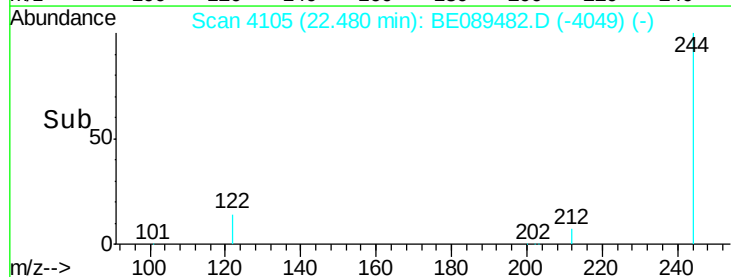
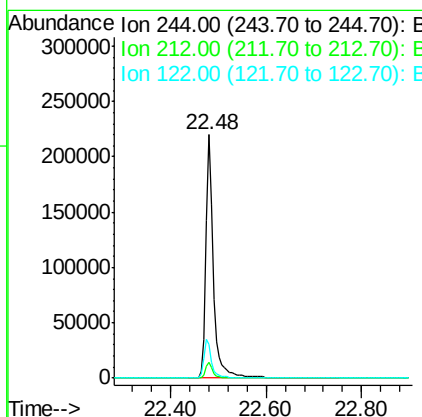
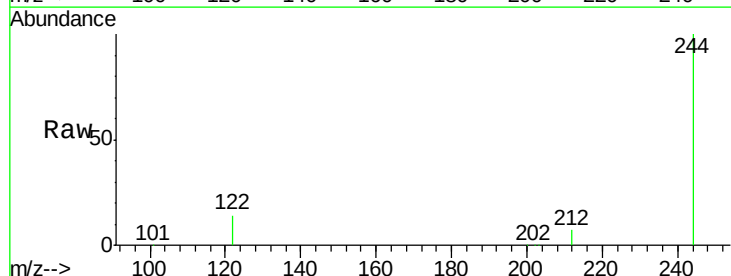
Instrument :
 BNA_E
 ClientSampleId :

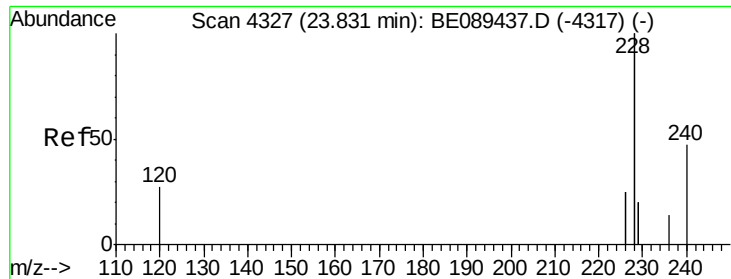
Tgt Ion:202 Resp: 5437
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.2 24.4
 203 17.1 13.8 20.8



#18
 Terphenyl-d14
 Concen: 10.27 ng
 RT: 22.48 min Scan# 4105
 Delta R.T. -0.00 min
 Lab File: BE089482.D
 Acq: 31 Jan 2015 23:55

Tgt Ion:244 Resp: 240898
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.6
 122 13.8 10.2 15.4





#19

Benzo(a)anthracene

Concen: 0.09 ng

RT: 23.83 min Scan# 4327

Delta R.T. 0.00 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Instrument :

BNA_E

ClientSampleId :

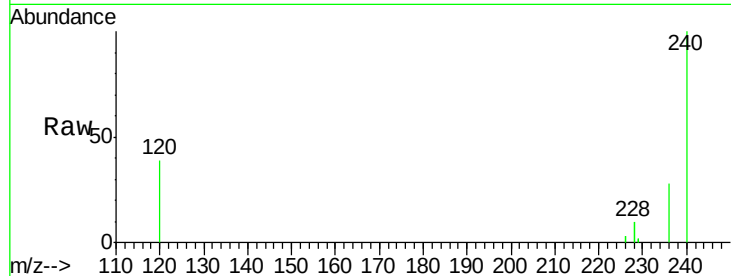
Tgt Ion:228 Resp: 12353

Ion Ratio Lower Upper

228 100

226 26.4 20.0 30.0

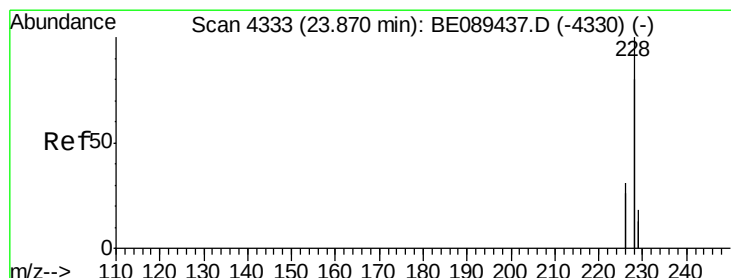
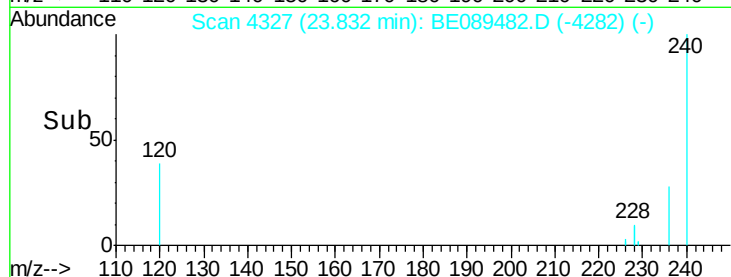
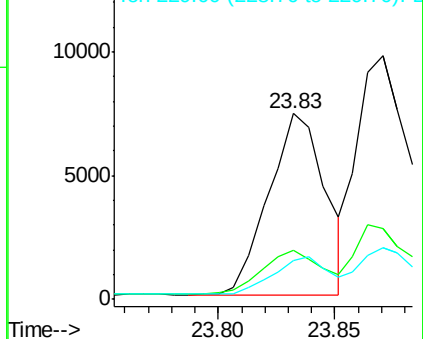
229 21.0 16.0 24.0



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



#20

Chrysene

Concen: 0.08 ng

RT: 23.83 min Scan# 4327

Delta R.T. -0.04 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

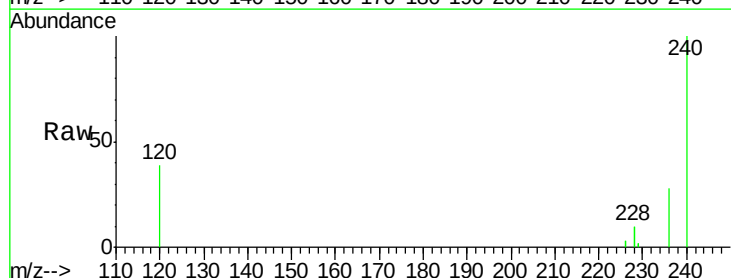
Tgt Ion:228 Resp: 12353

Ion Ratio Lower Upper

228 100

226 26.4 24.5 36.7

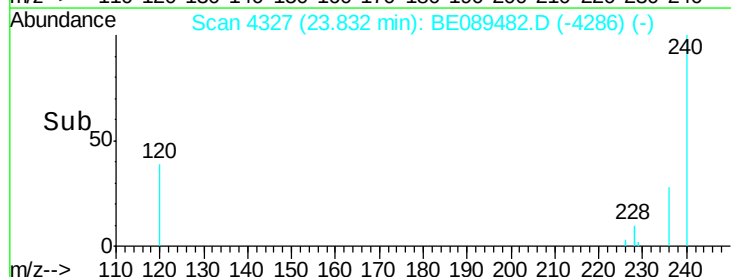
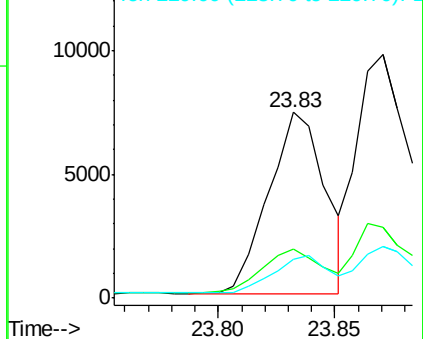
229 21.0 14.1 21.1

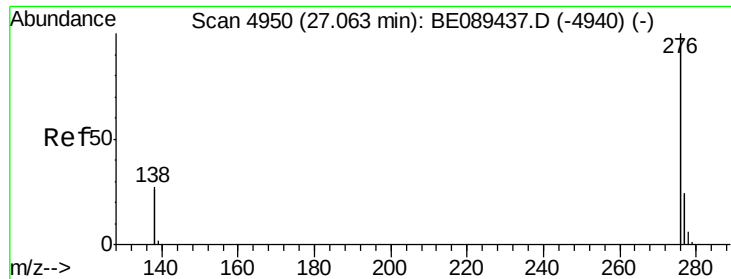


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 27.04 min Scan# 4947

Delta R.T. -0.02 min

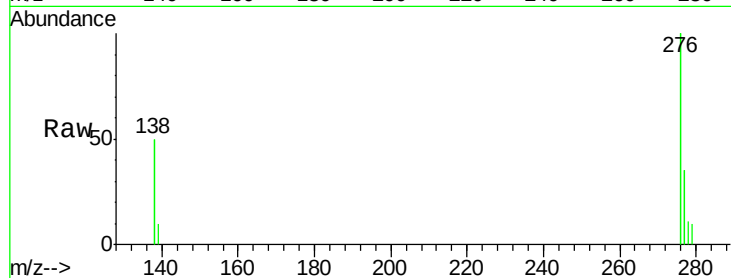
Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Instrument :

BNA_E

ClientSampleId :



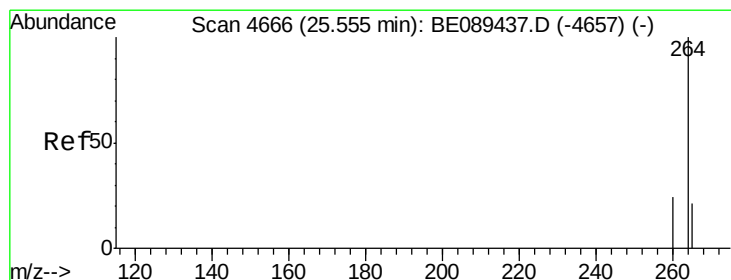
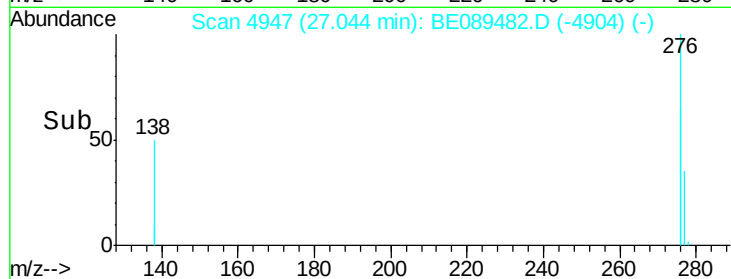
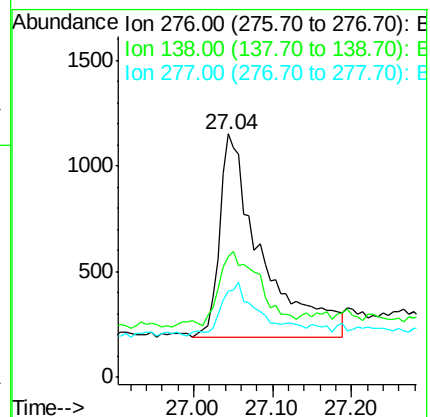
Tgt Ion:276 Resp: 3496

Ion Ratio Lower Upper

276 100

138 35.3 25.4 38.0

277 18.0 19.8 29.6#



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

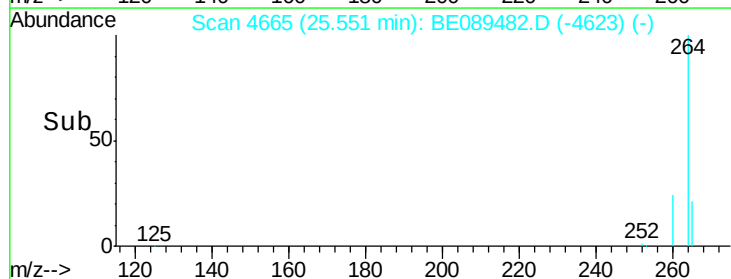
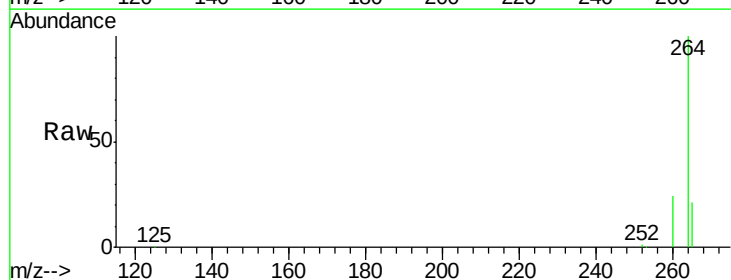
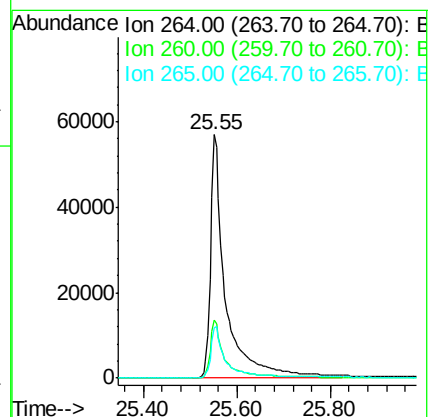
Tgt Ion:264 Resp: 128249

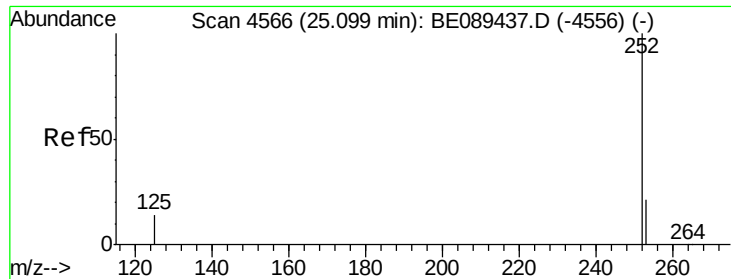
Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

265 20.8 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.22 ng

RT: 25.10 min Scan# 4565

Delta R.T. -0.00 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Instrument :

BNA_E

ClientSampleId :

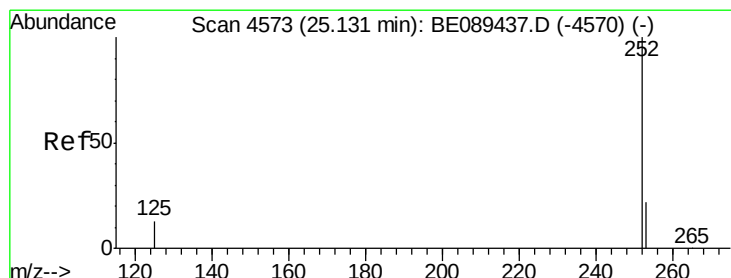
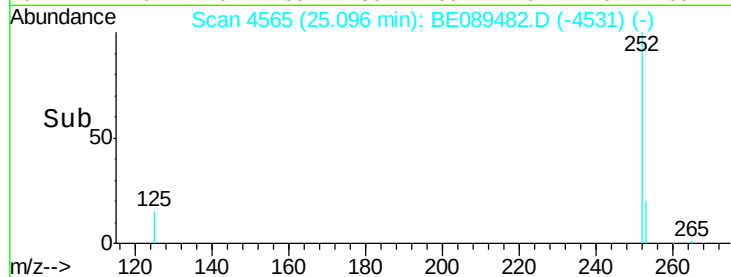
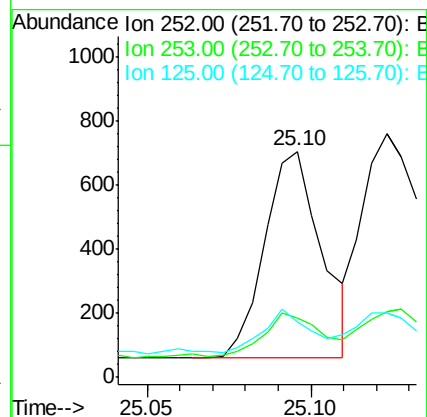
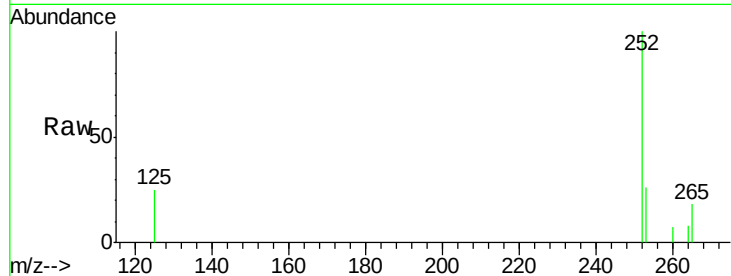
Tgt Ion:252 Resp: 785

Ion Ratio Lower Upper

252 100

253 26.5 17.0 25.6#

125 24.8 11.4 17.0#



#24

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 25.12 min Scan# 4571

Delta R.T. -0.01 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

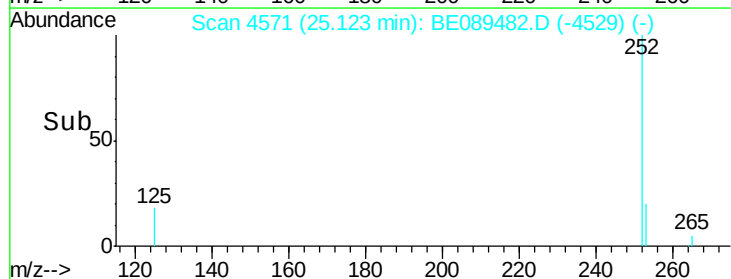
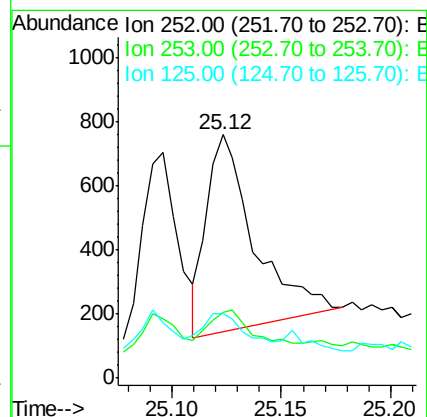
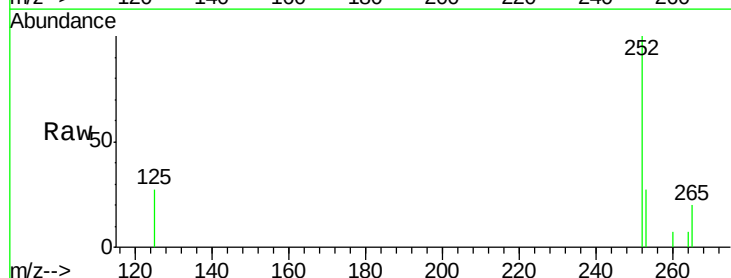
Tgt Ion:252 Resp: 944

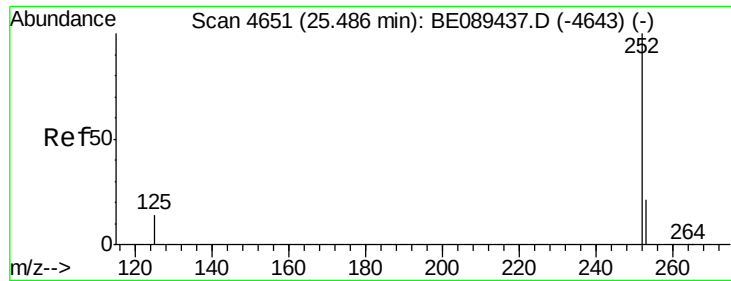
Ion Ratio Lower Upper

252 100

253 27.2 17.4 26.2#

125 26.7 10.9 16.3#





#25

Benzo(a)pyrene

Concen: 0.16 ng

RT: 25.47 min Scan# 4648

Delta R.T. -0.01 min

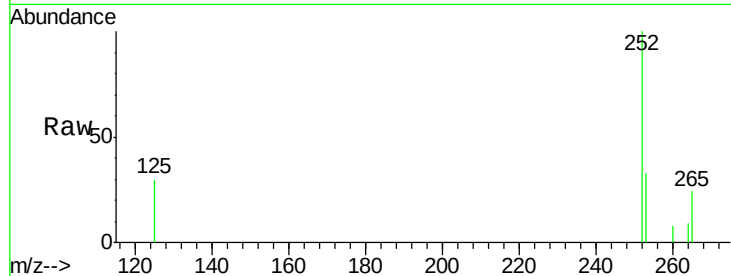
Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

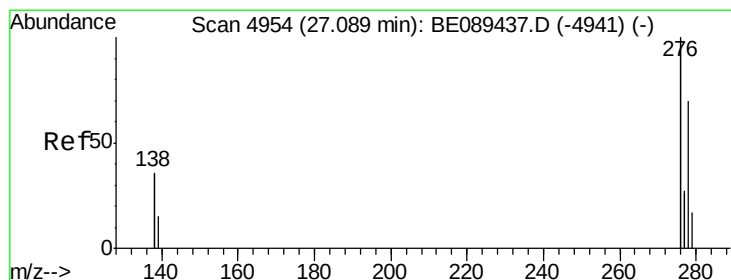
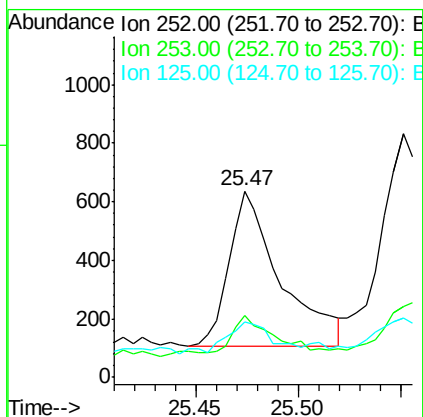
Instrument :

BNA_E

ClientSampleId :



Tgt Ion:	252	Resp:	924
Ion	Ratio	Lower	Upper
252	100		
253	33.2	17.3	25.9#
125	29.6	12.0	18.0#



#26

Dibenzo(a,h)anthracene

Concen: 0.15 ng

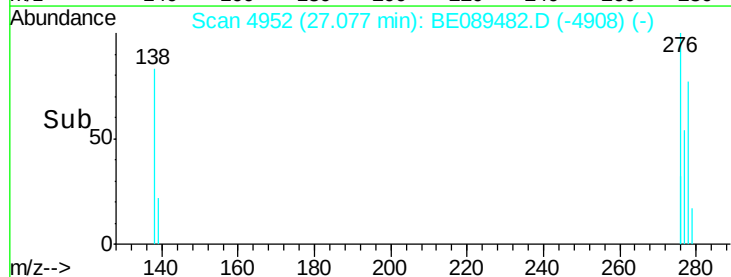
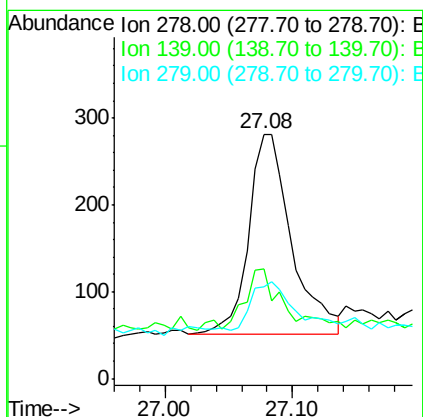
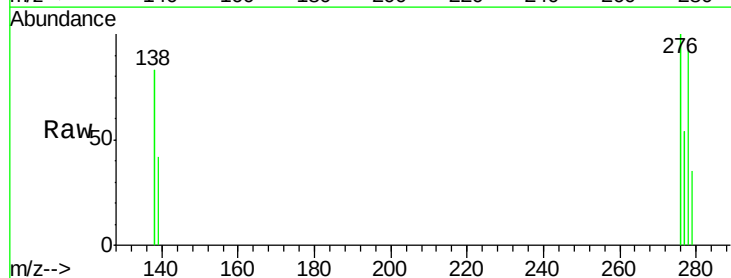
RT: 27.08 min Scan# 4952

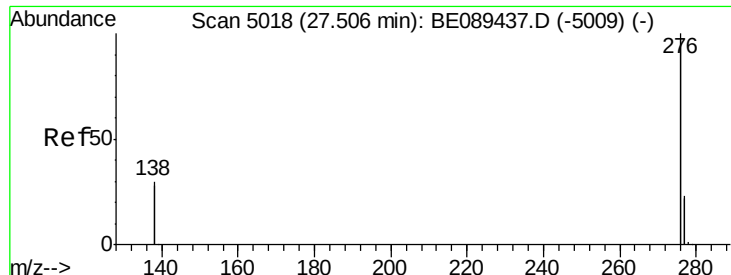
Delta R.T. -0.01 min

Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Tgt Ion:	278	Resp:	543
Ion	Ratio	Lower	Upper
278	100		
139	44.8	17.0	25.4#
279	37.7	19.1	28.7#





#27

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 27.50 min Scan# 5017

Delta R.T. -0.01 min

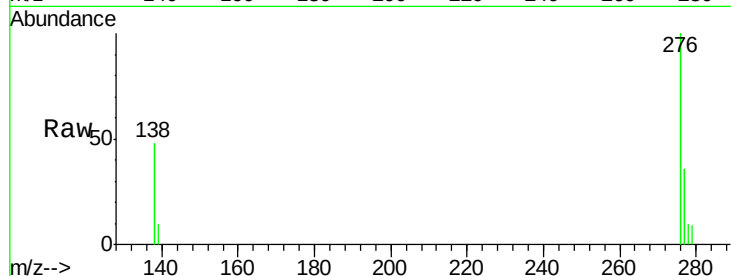
Lab File: BE089482.D

Acq: 31 Jan 2015 23:55

Instrument :

BNA_E

ClientSampleId :



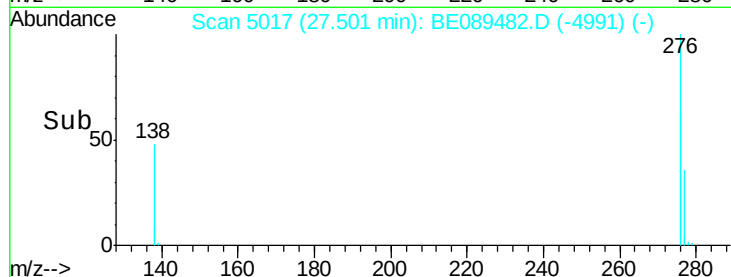
Tgt Ion: 276 Resp: 4684

Ion Ratio Lower Upper

276 100

277 35.5 18.4 27.6#

138 48.1 23.7 35.5#



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

