

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BE089470.D
 Acq On : 31 Jan 2015 14:13
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc : MDL-SOIL-0.1/0.2
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 02 02:45:08 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

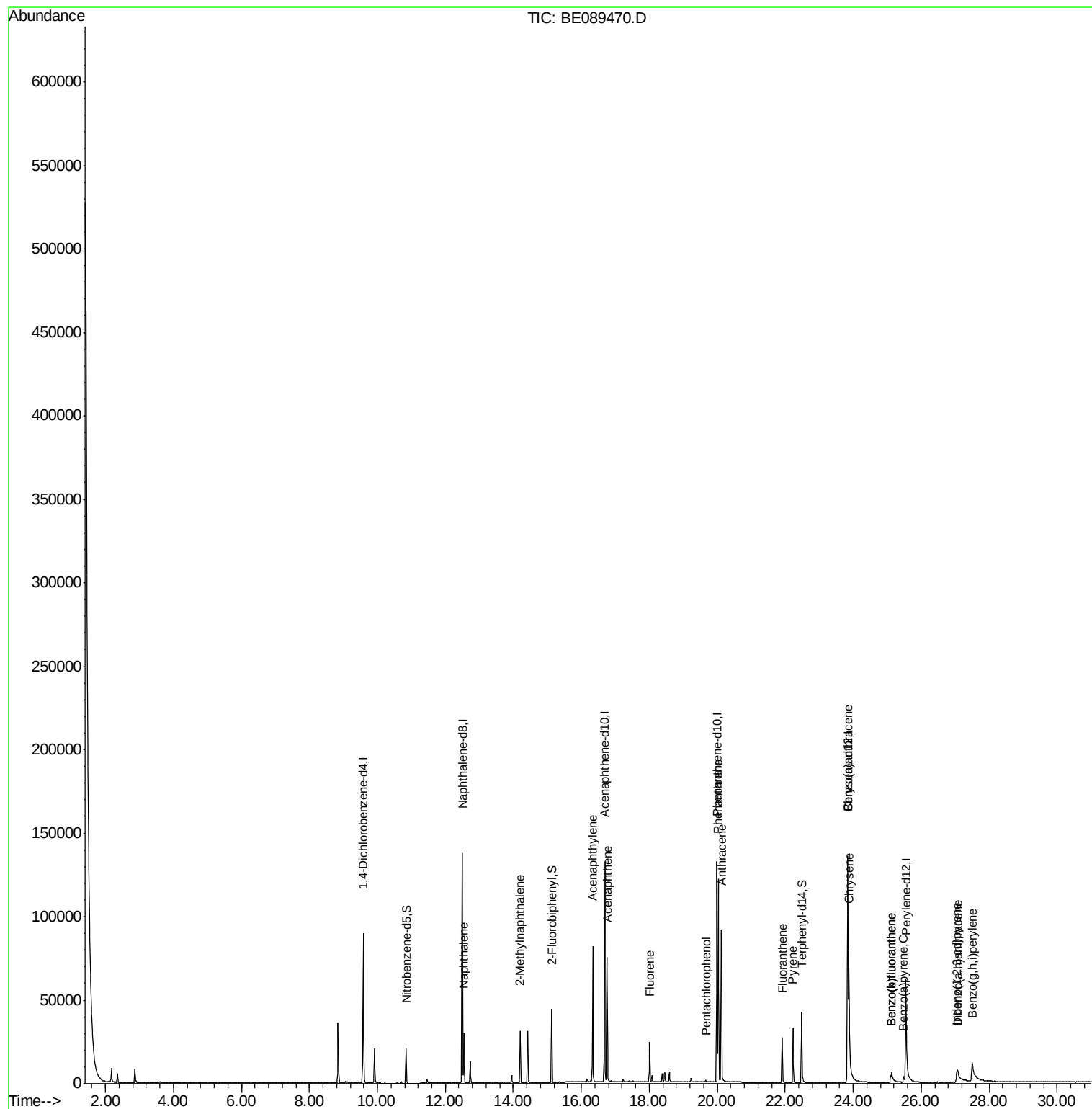
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	36298	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	149841	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	76406	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	131033	5.00	ng	0.00
16) Chrysene-d12	23.84	240	111014	5.00	ng	0.00
22) Perylene-d12	25.55	264	90214	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.84	82	14831	1.49	ng	0.00
7) 2-Fluorobiphenyl	15.13	172	39103	1.94	ng	0.00
18) Terphenyl-d14	22.48	244	45196	2.72	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.54	128	33650	0.96	ng	98
5) 2-Methylnaphthalene	14.20	142	19550	0.92	ng	99
8) Acenaphthylene	16.33	152	103633	0.75	ng	100
9) Acenaphthene	16.76	154	16150	0.78	ng	97
10) Fluorene	18.01	166	18312	0.80	ng	98
12) Pentachlorophenol	19.66	266	804	1.22	ng	# 89
13) Phenanthrene	20.03	178	110706	0.86	ng	100
14) Anthracene	20.12	178	94942	0.81	ng	100
15) Fluoranthene	21.91	202	22698	0.81	ng	99
17) Pyrene	22.23	202	24406	0.83	ng	100
19) Benzo(a)anthracene	23.83	228	55981	0.60	ng	99
20) Chrysene	23.87	228	96671	0.92	ng	96
21) Indeno(1,2,3-cd)pyrene	27.05	276	22619	0.25	ng	99
23) Benzo(b)fluoranthene	25.13	252	15438	1.11	ng	97
24) Benzo(k)fluoranthene	25.13	252	15438	0.67	ng	97
25) Benzo(a)pyrene	25.48	252	6119	0.49	ng	95
26) Dibenzo(a,h)anthracene	27.08	278	4252	0.36	ng	93
27) Benzo(g,h,i)perylene	27.51	276	39844	0.55	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1794

Delta R.T. -0.00 min

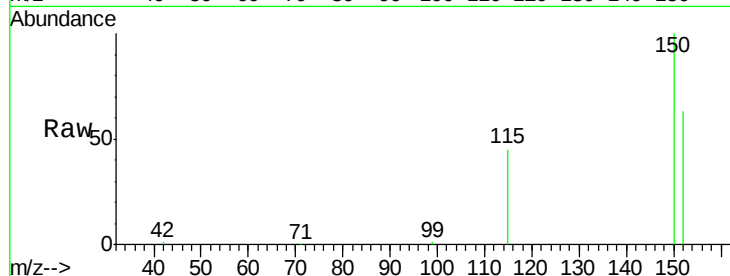
Lab File: BE089470.D

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Instrument :

BNA_E

ClientSampleId :



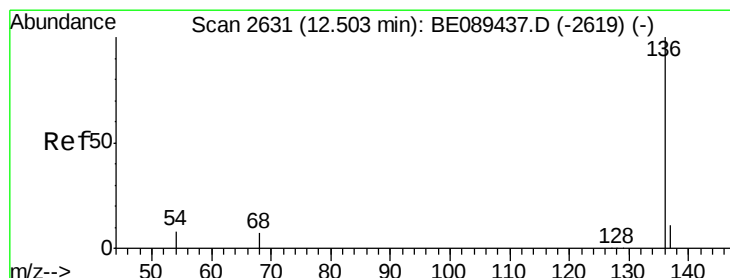
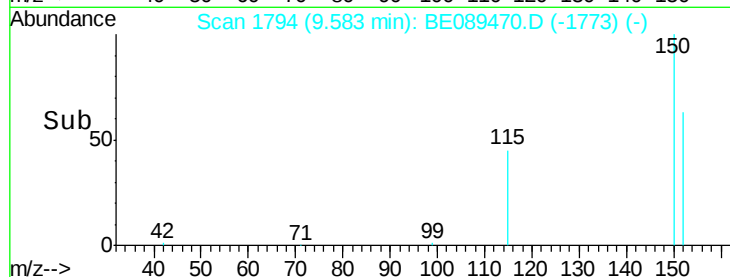
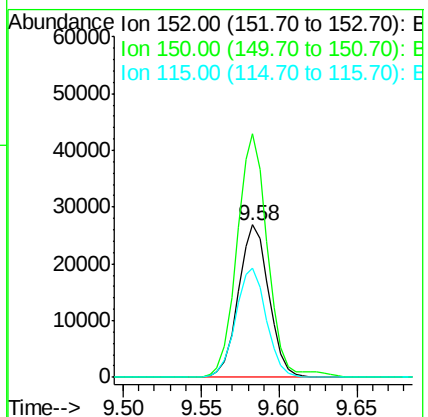
Tgt Ion:152 Resp: 36298

Ion Ratio Lower Upper

152 100

150 159.5 127.2 190.8

115 71.5 57.5 86.3



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 2629

Delta R.T. -0.01 min

Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

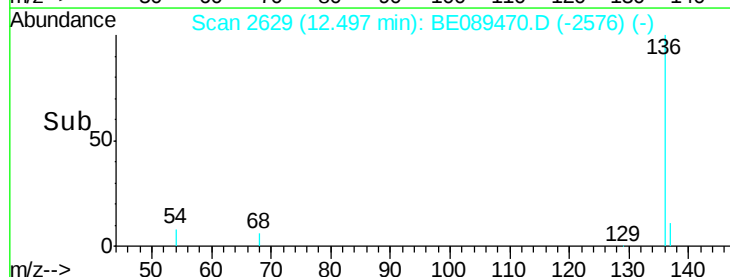
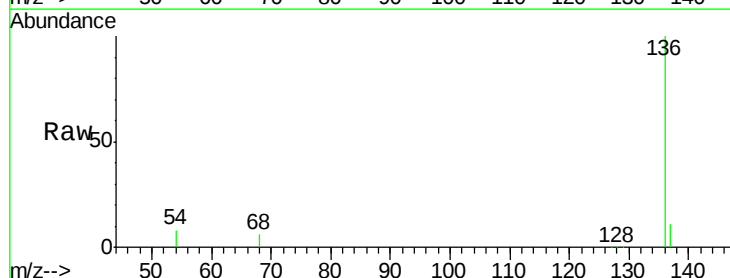
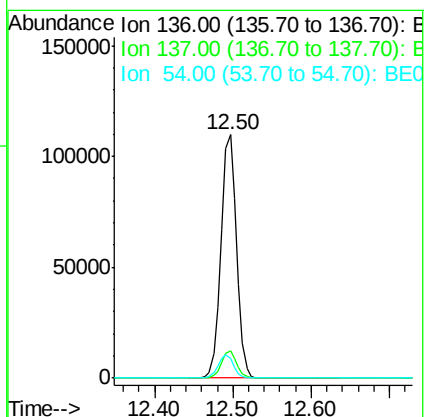
Tgt Ion:136 Resp: 149841

Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.8 6.6 10.0

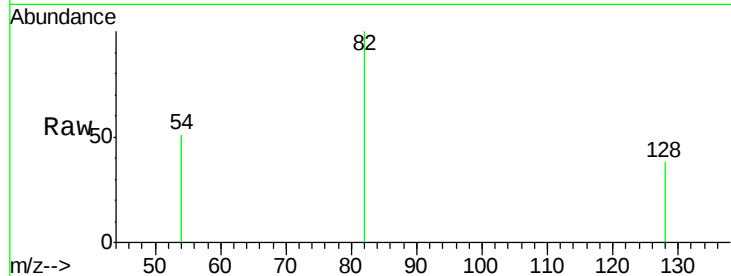




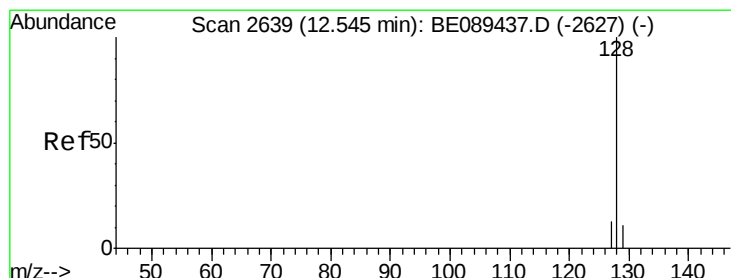
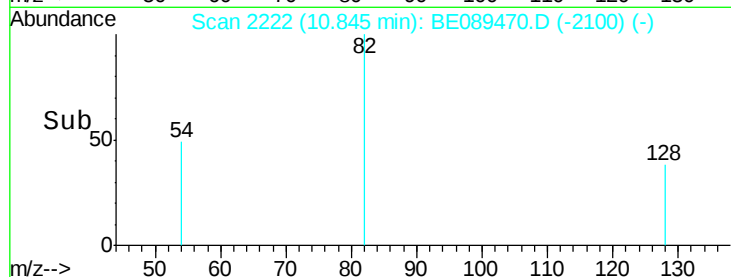
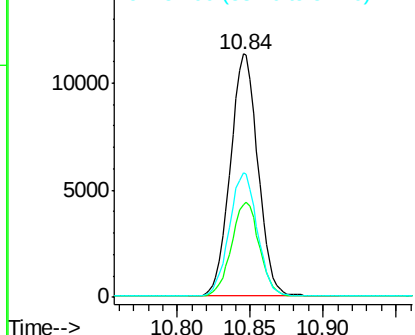
#3
 Nitrobenzene-d5
 Concen: 1.49 ng
 RT: 10.84 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BE089470.D
 Acq: 31 Jan 2015 14:13

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion: 82 Resp: 14831
 Ion Ratio Lower Upper
 82 100
 128 38.0 31.2 46.8
 54 50.9 41.9 62.9

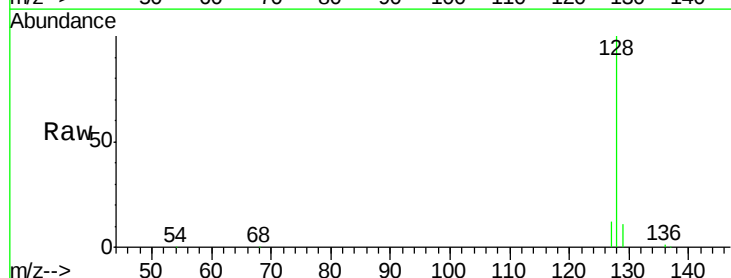


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

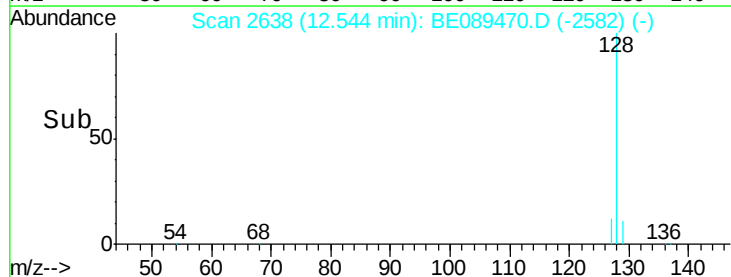
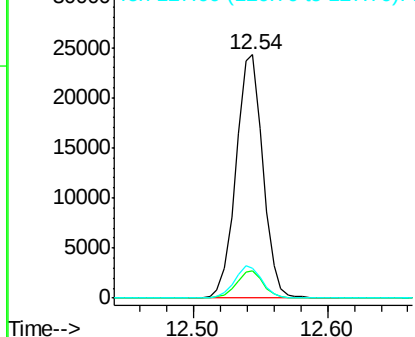


#4
 Naphthalene
 Concen: 0.96 ng
 RT: 12.54 min Scan# 2638
 Delta R.T. -0.00 min
 Lab File: BE089470.D
 Acq: 31 Jan 2015 14:13

Tgt Ion: 128 Resp: 33650
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.8 13.2
 127 12.3 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.92 ng

RT: 14.20 min Scan# 2975

Delta R.T. -0.01 min

Lab File: BE089470.D

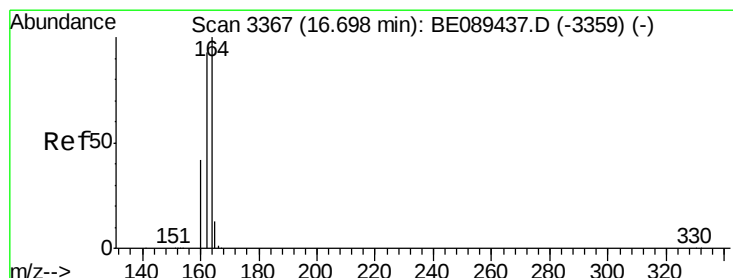
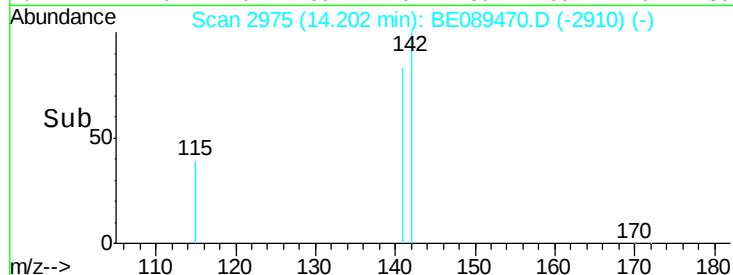
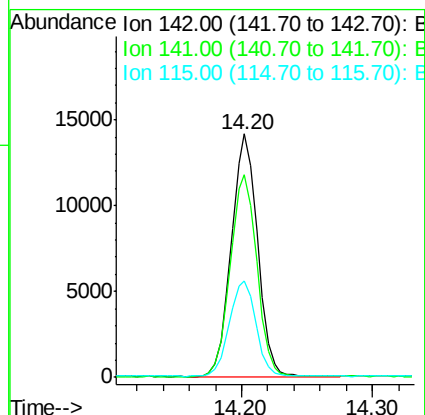
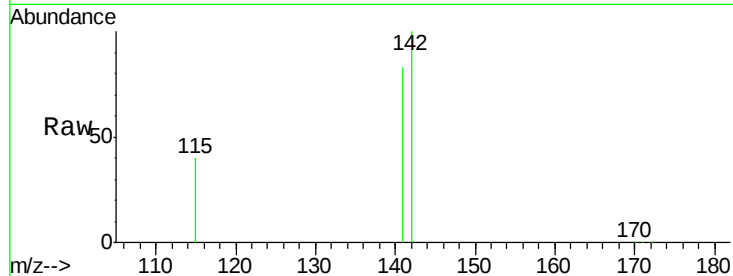
Acq: 31 Jan 2015 14:13

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	142	Resp:	19550
Ion Ratio	Lower	Upper	
142	100		
141	83.0	66.1	99.1
115	39.5	29.9	44.9



#6

Acenaphthene-d10

Concen: 5.00 ng

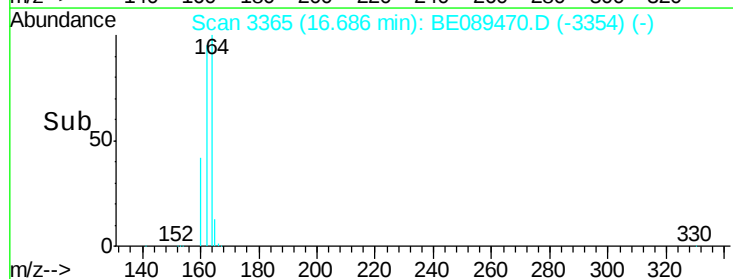
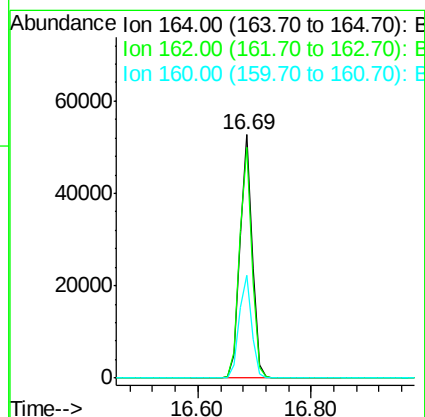
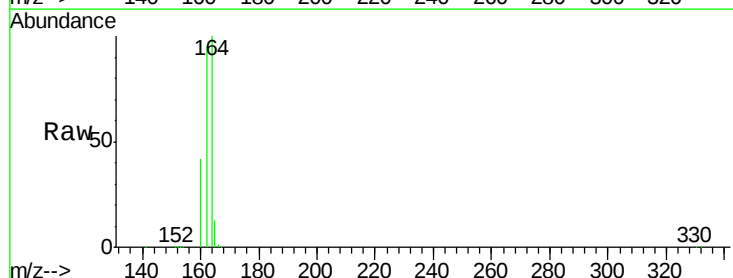
RT: 16.69 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

Tgt Ion:	164	Resp:	76406
Ion Ratio	Lower	Upper	
164	100		
162	94.6	74.7	112.1
160	42.3	33.4	50.0





#7

2-Fluorobiphenyl

Concen: 1.94 ng

RT: 15.13 min Scan# 3179

Delta R.T. -0.01 min

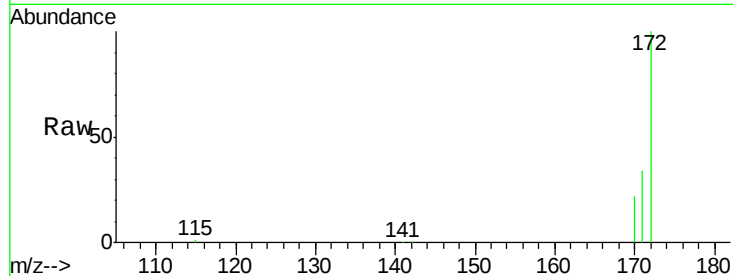
Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

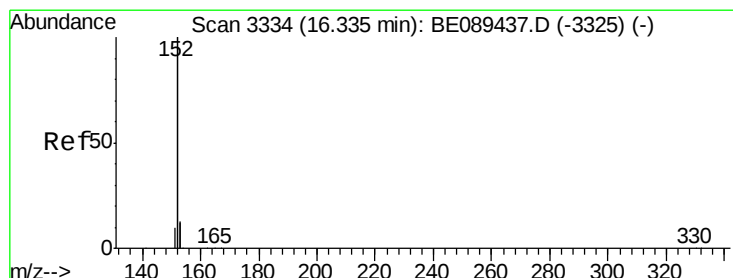
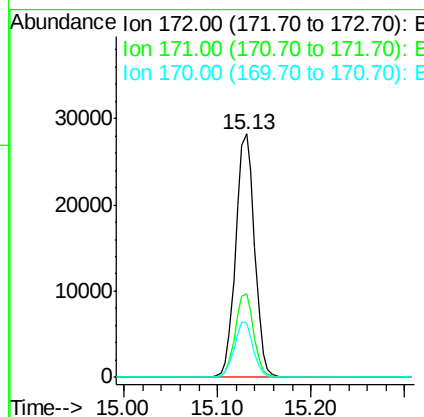
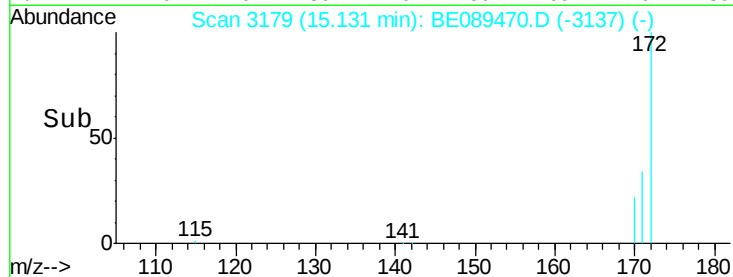
Instrument :

BNA_E

ClientSampleId :



Tgt Ion:	172	Resp:	39103
Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.2	39.4
170	22.5	16.5	24.7



#8

Acenaphthylene

Concen: 0.75 ng

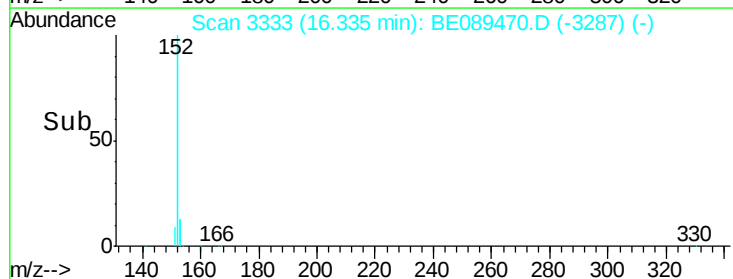
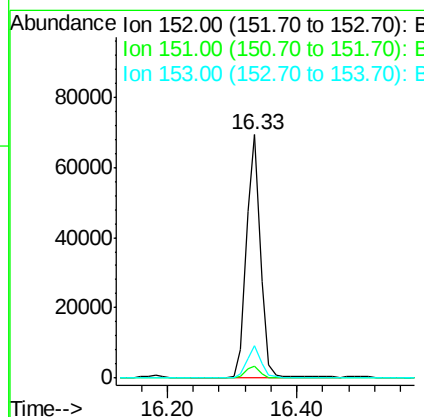
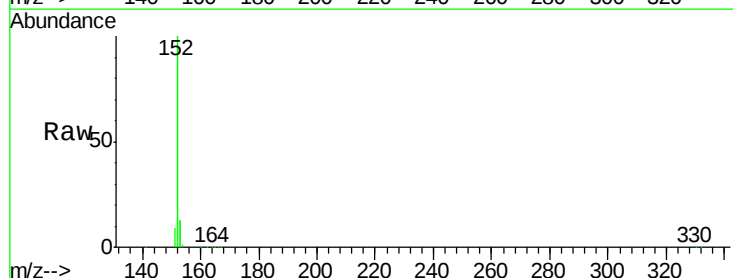
RT: 16.33 min Scan# 3333

Delta R.T. -0.00 min

Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

Tgt Ion:	152	Resp:	103633
Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	12.9	10.3	15.5





#9

Acenaphthene

Concen: 0.78 ng

RT: 16.76 min Scan# 3372

Delta R.T. -0.00 min

Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

Instrument :

BNA_E

ClientSampleId :

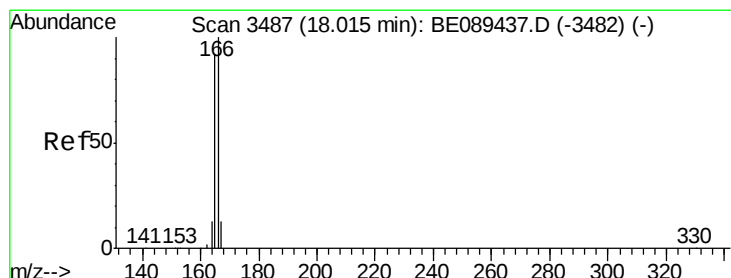
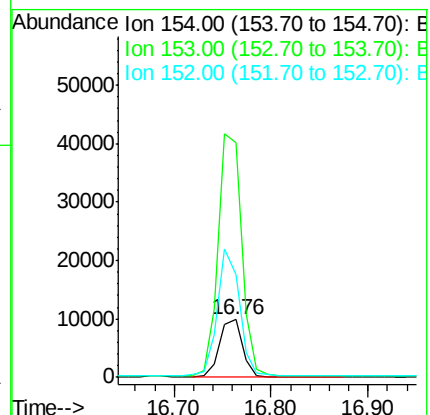
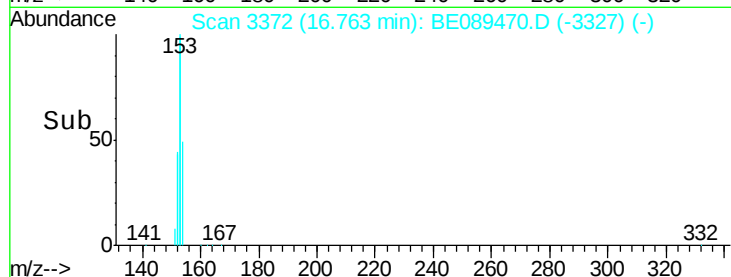
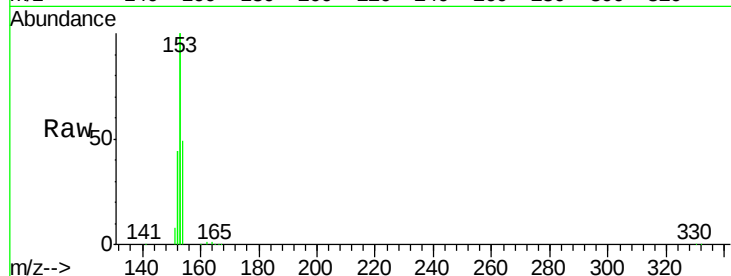
Tgt Ion:154 Resp: 16150

Ion Ratio Lower Upper

154 100

153 435.3 342.3 513.5

152 212.4 165.5 248.3



#10

Fluorene

Concen: 0.80 ng

RT: 18.01 min Scan# 3486

Delta R.T. -0.00 min

Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

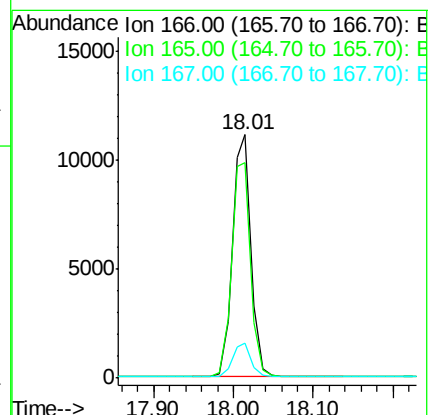
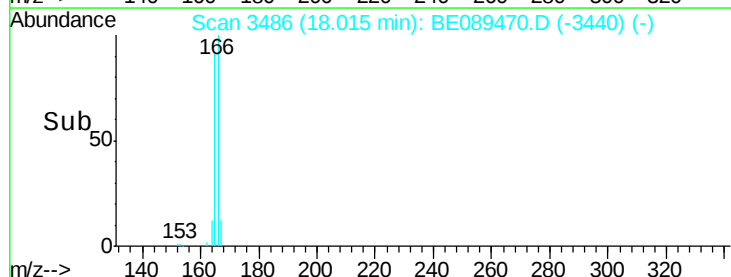
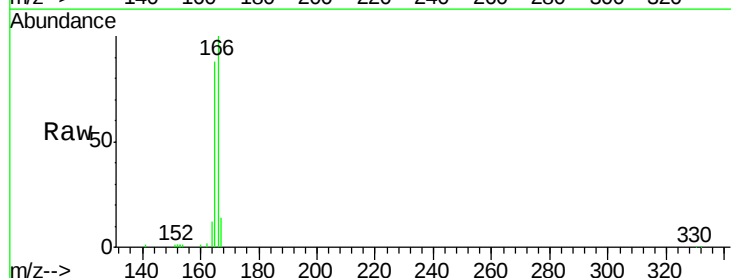
Tgt Ion:166 Resp: 18312

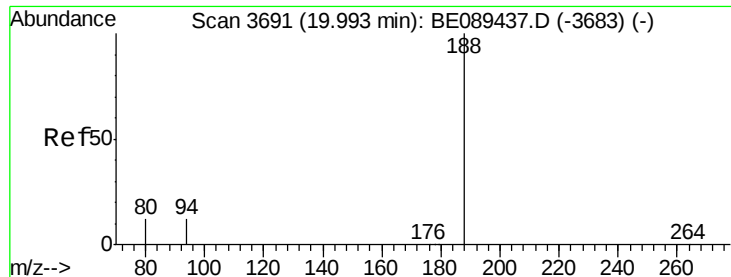
Ion Ratio Lower Upper

166 100

165 91.4 74.4 111.6

167 13.7 10.6 15.8

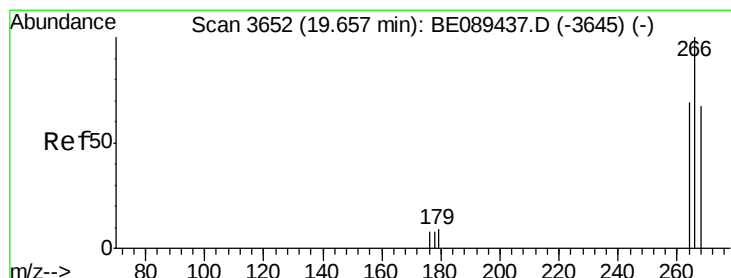
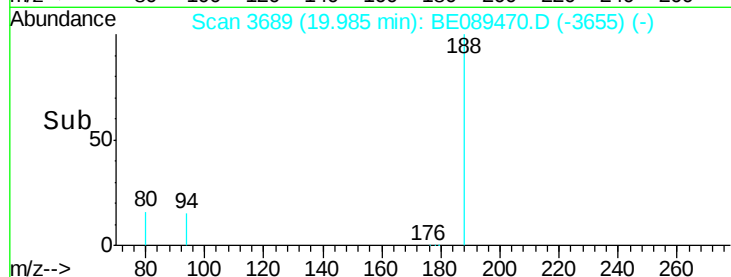
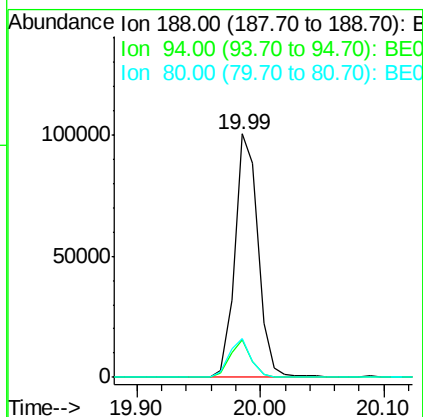
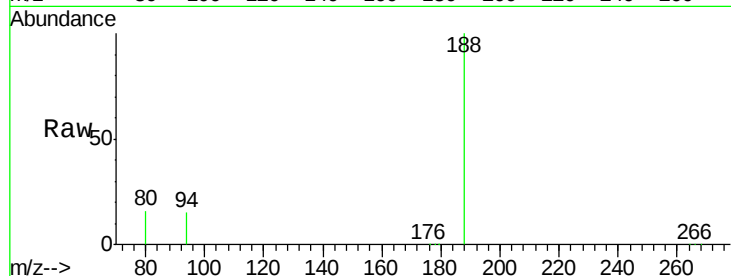




#11
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3689
 Delta R.T. -0.01 min
 Lab File: BE089470.D
 Acq: 31 Jan 2015 14:13

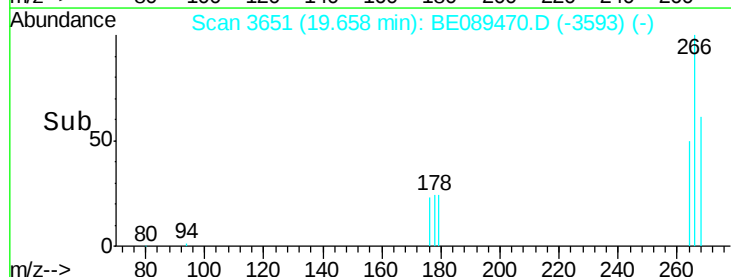
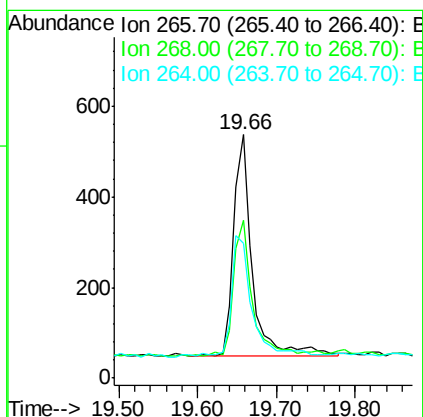
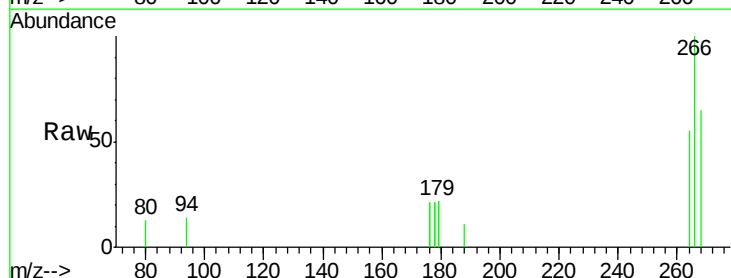
Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:188 Resp: 131033
 Ion Ratio Lower Upper
 188 100
 94 15.3 9.4 14.0#
 80 16.1 9.3 13.9#



#12
 Pentachlorophenol
 Concen: 1.22 ng
 RT: 19.66 min Scan# 3651
 Delta R.T. 0.00 min
 Lab File: BE089470.D
 Acq: 31 Jan 2015 14:13

Tgt Ion:266 Resp: 804
 Ion Ratio Lower Upper
 266 100
 268 64.8 54.2 81.4
 264 55.3 56.2 84.2#

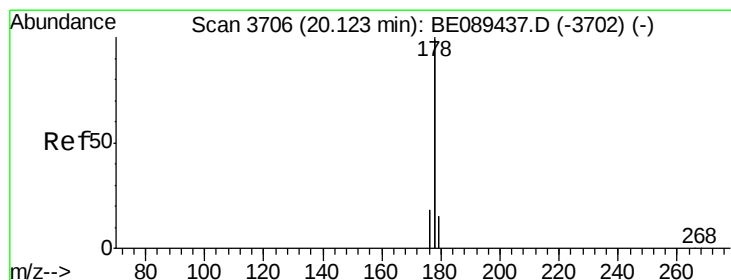
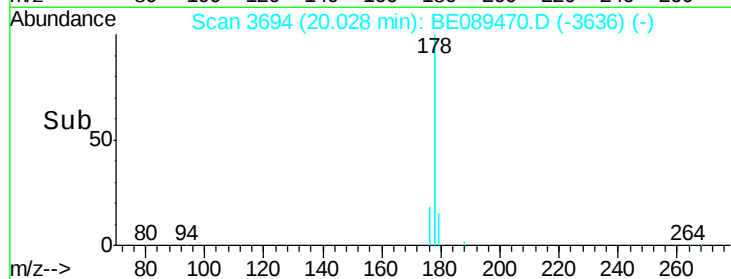
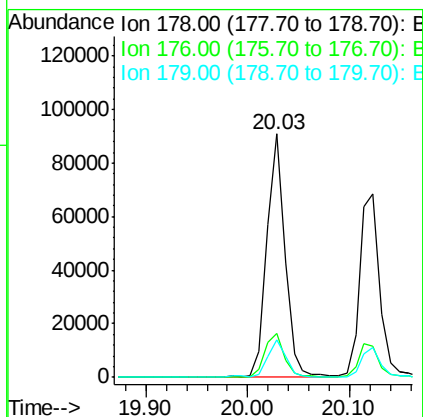
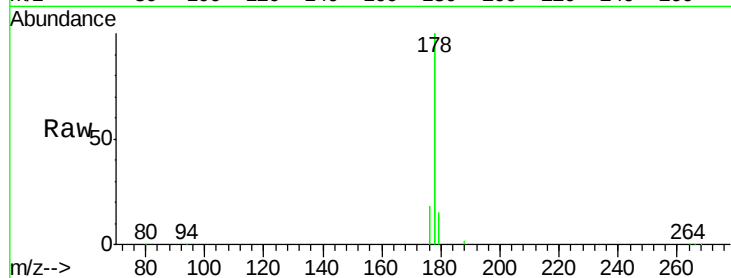




#13
 Phenanthrene
 Concen: 0.86 ng
 RT: 20.03 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: BE089470.D
 Acq: 31 Jan 2015 14:13

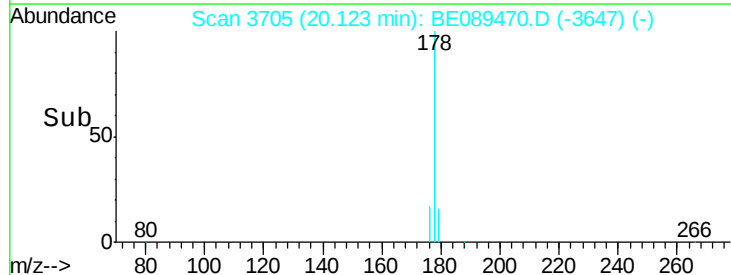
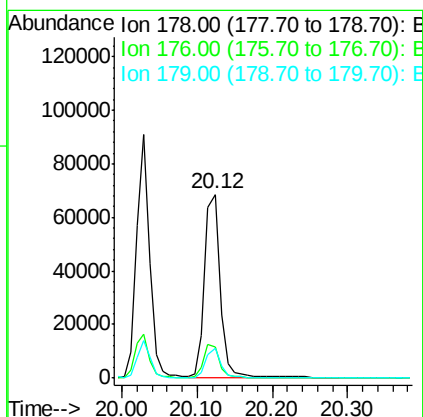
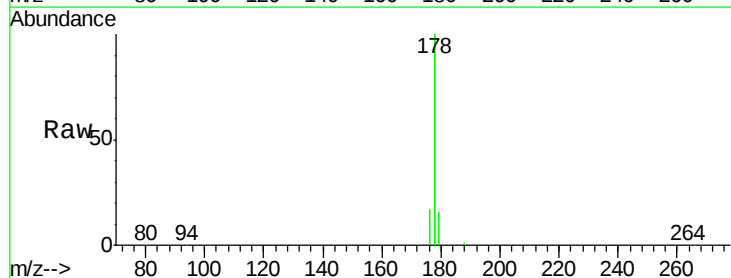
Instrument :
 BNA_E
 ClientSampleId :

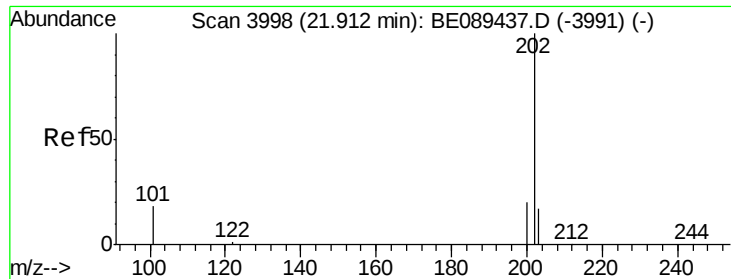
Tgt Ion:178 Resp: 110706
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.1 22.7
 179 15.5 12.3 18.5



#14
 Anthracene
 Concen: 0.81 ng
 RT: 20.12 min Scan# 3705
 Delta R.T. 0.00 min
 Lab File: BE089470.D
 Acq: 31 Jan 2015 14:13

Tgt Ion:178 Resp: 94942
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 22.0
 179 15.2 12.2 18.2

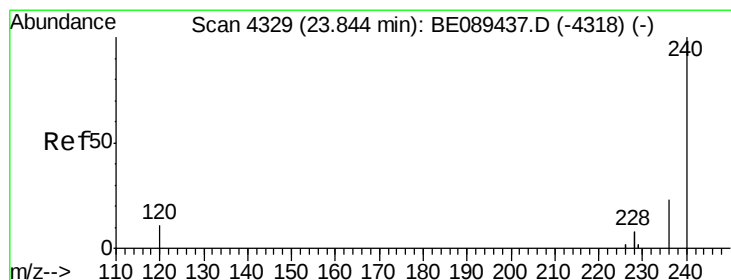
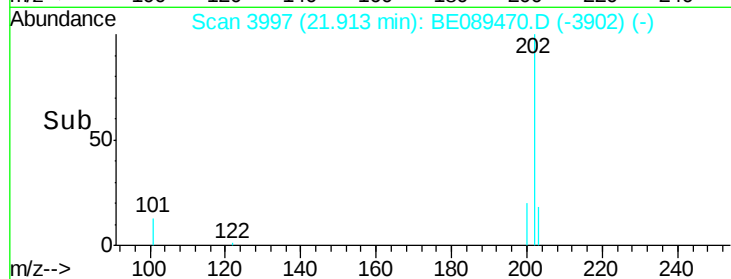
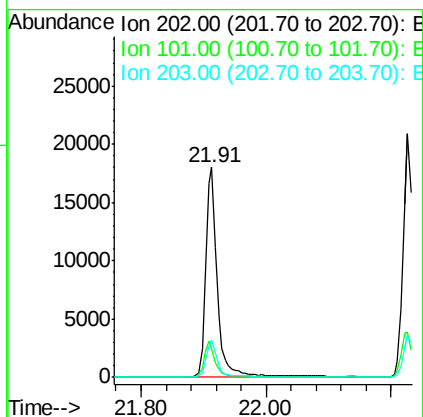
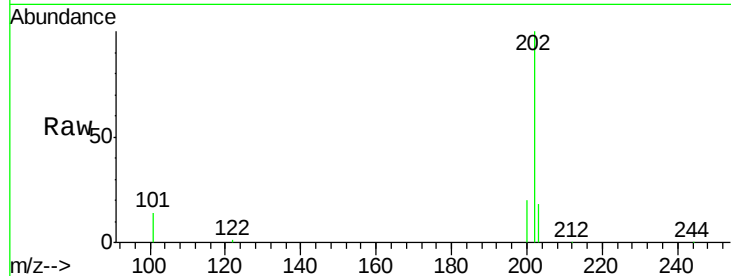




#15
 Fluoranthene
 Concen: 0.81 ng
 RT: 21.91 min Scan# 3997
 Delta R.T. 0.00 min
 Lab File: BE089470.D
 Acq: 31 Jan 2015 14:13

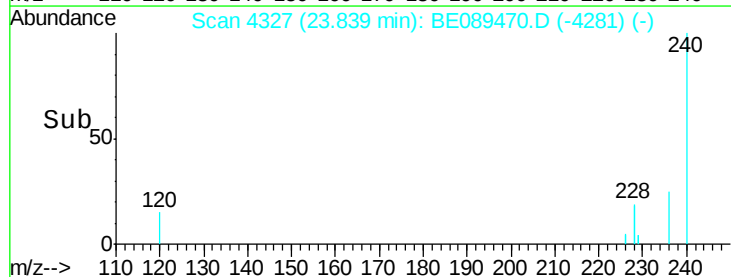
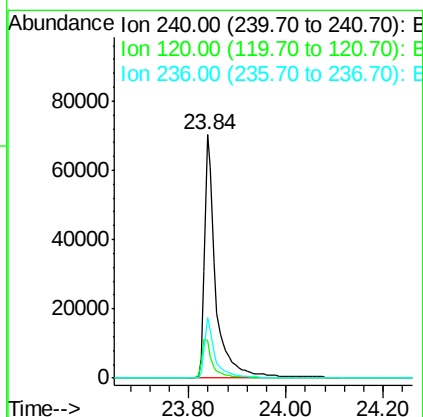
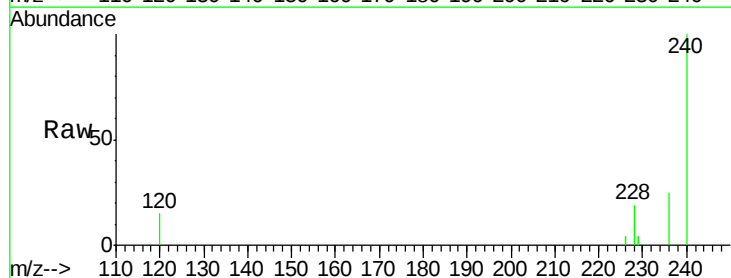
Instrument :
 BNA_E
 ClientSampled :

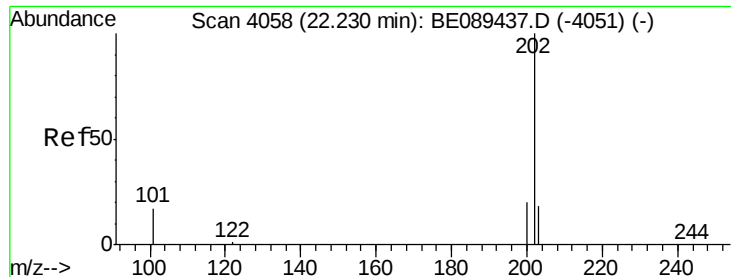
Tgt Ion: 202 Resp: 22698
 Ion Ratio Lower Upper
 202 100
 101 16.0 13.6 20.4
 203 17.0 13.8 20.6



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 4327
 Delta R.T. -0.01 min
 Lab File: BE089470.D
 Acq: 31 Jan 2015 14:13

Tgt Ion: 240 Resp: 111014
 Ion Ratio Lower Upper
 240 100
 120 15.3 8.6 13.0#
 236 24.7 18.7 28.1

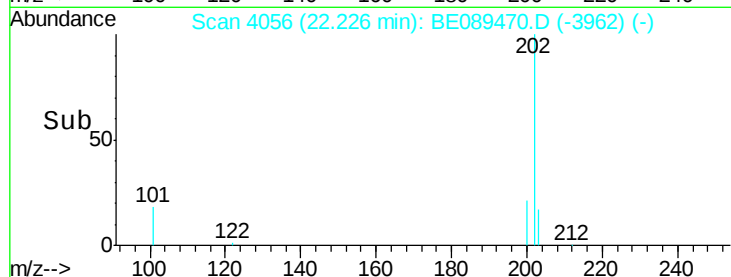
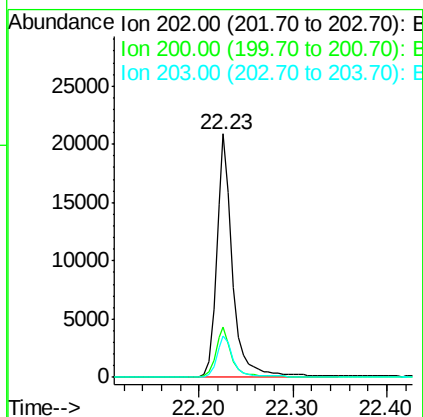
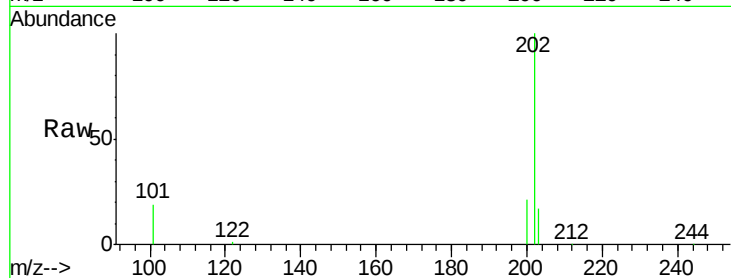




#17
 Pyrene
 Concen: 0.83 ng
 RT: 22.23 min Scan# 4056
 Delta R.T. -0.00 min
 Lab File: BE089470.D
 Acq: 31 Jan 2015 14:13

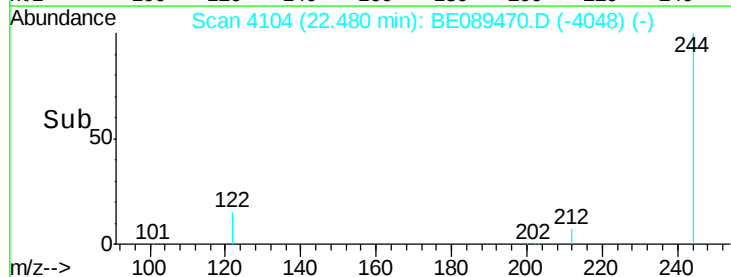
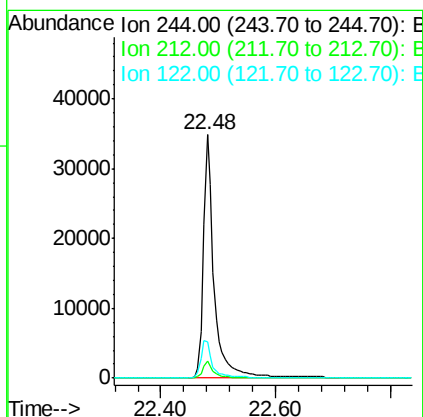
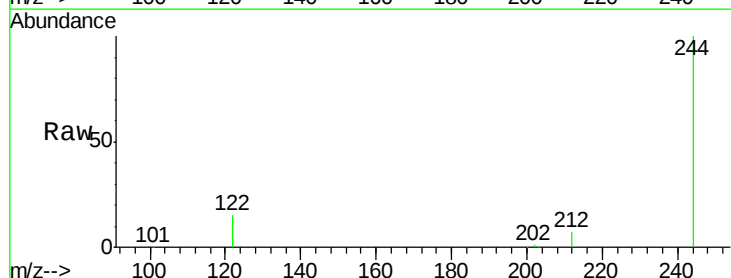
Instrument :
 BNA_E
 ClientSampled :

Tgt Ion:202 Resp: 24406
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.2 24.4
 203 17.5 13.8 20.8



#18
 Terphenyl-d14
 Concen: 2.72 ng
 RT: 22.48 min Scan# 4104
 Delta R.T. -0.00 min
 Lab File: BE089470.D
 Acq: 31 Jan 2015 14:13

Tgt Ion:244 Resp: 45196
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.6
 122 14.9 10.2 15.4





#19

Benzo(a)anthracene

Concen: 0.60 ng

RT: 23.83 min Scan# 4326

Delta R.T. 0.00 min

Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

Instrument :

BNA_E

ClientSampled :

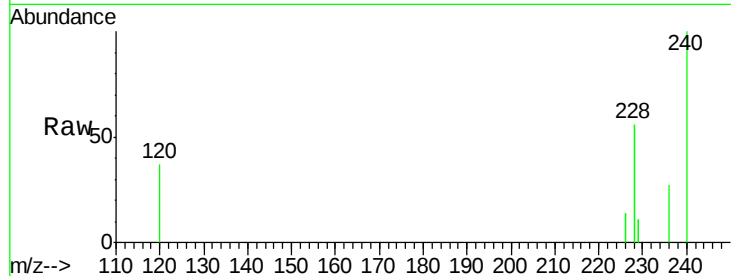
Tgt Ion:228 Resp: 55981

Ion Ratio Lower Upper

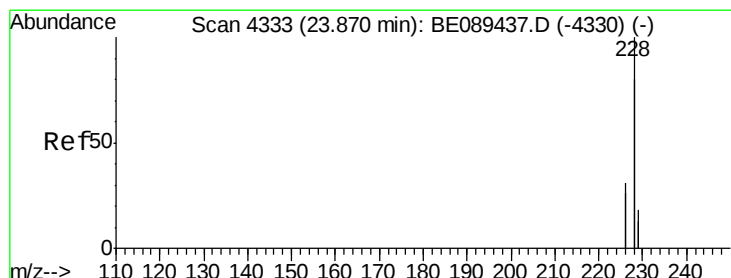
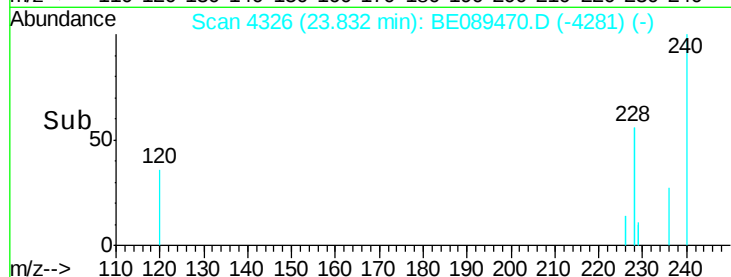
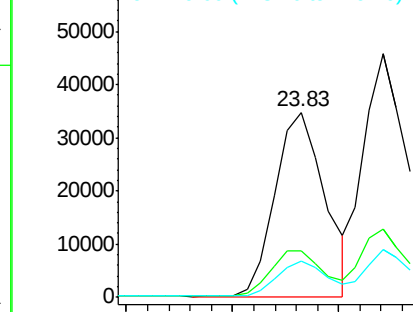
228 100

226 25.4 20.0 30.0

229 19.4 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: 0.92 ng

RT: 23.87 min Scan# 4332

Delta R.T. 0.00 min

Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

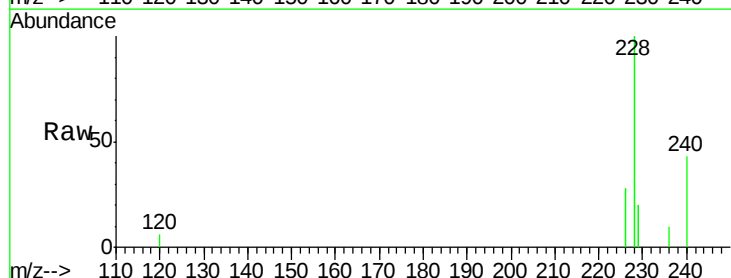
Tgt Ion:228 Resp: 96671

Ion Ratio Lower Upper

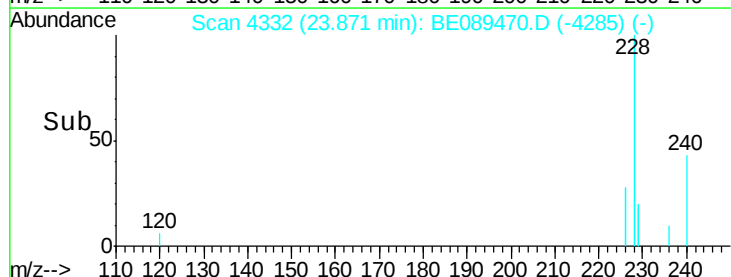
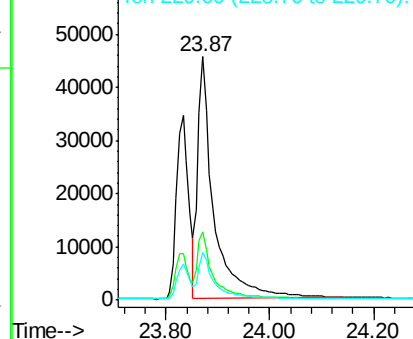
228 100

226 28.2 24.5 36.7

229 19.6 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: 0.25 ng

RT: 27.05 min Scan# 4947

Delta R.T. -0.01 min

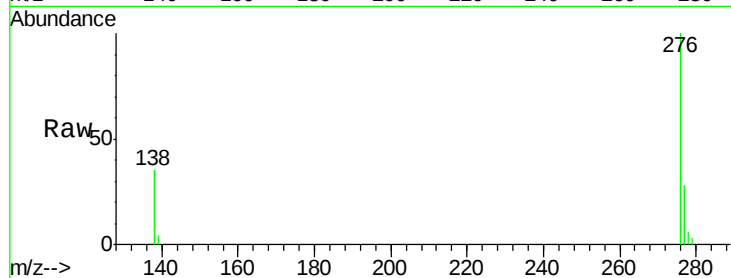
Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

Instrument :

BNA_E

ClientSampleId :



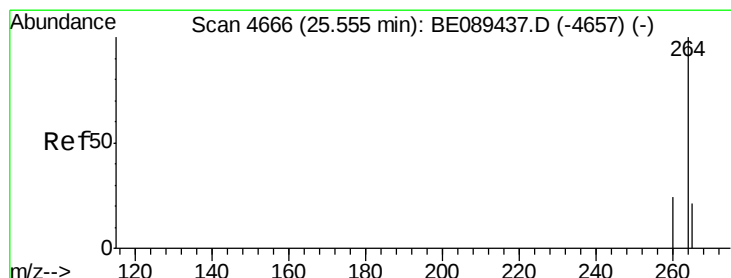
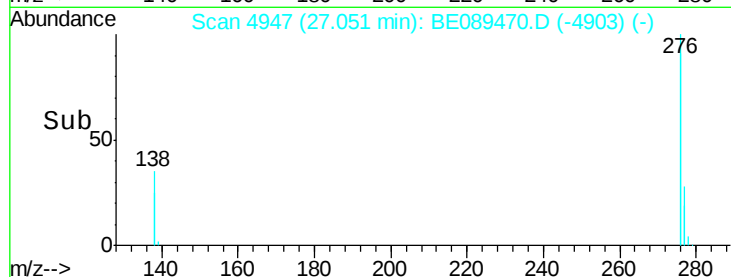
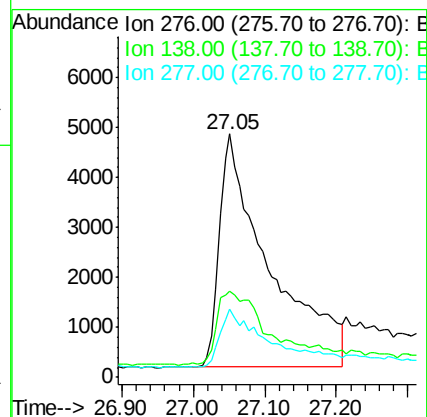
Tgt Ion:276 Resp: 22619

Ion Ratio Lower Upper

276 100

138 31.4 25.4 38.0

277 25.4 19.8 29.6



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4664

Delta R.T. -0.00 min

Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

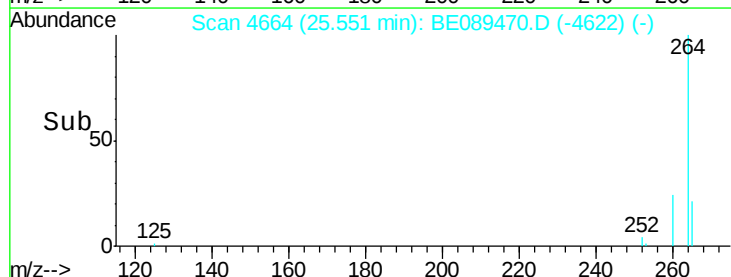
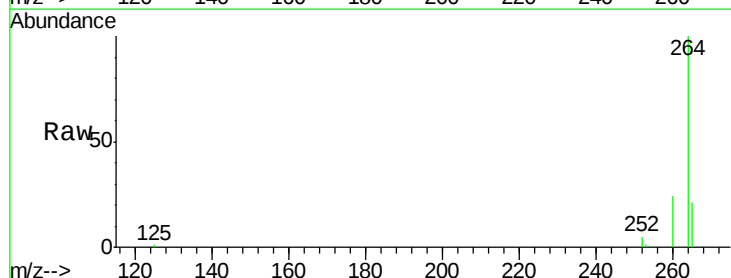
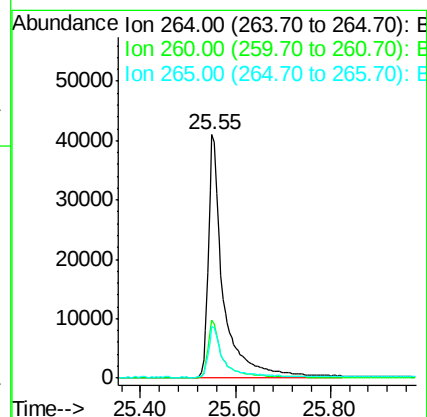
Tgt Ion:264 Resp: 90214

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.0

265 21.1 17.0 25.6

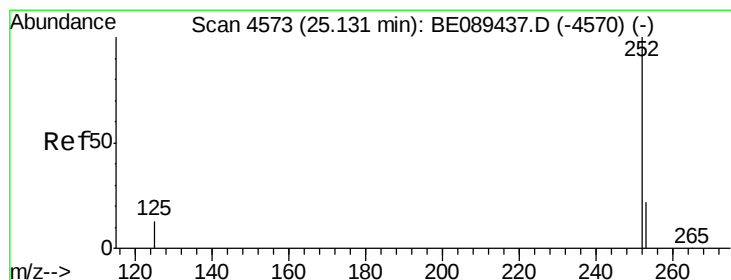
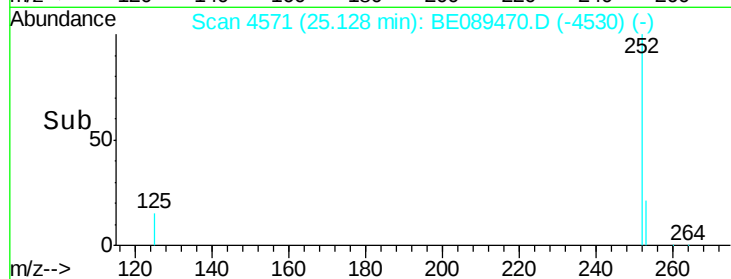
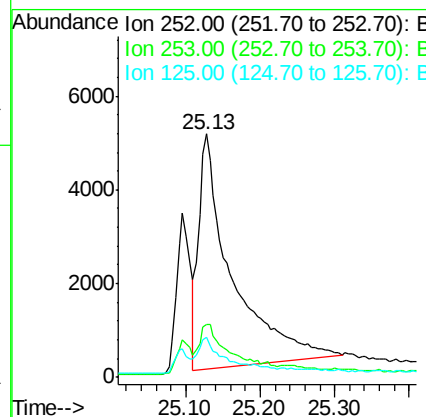
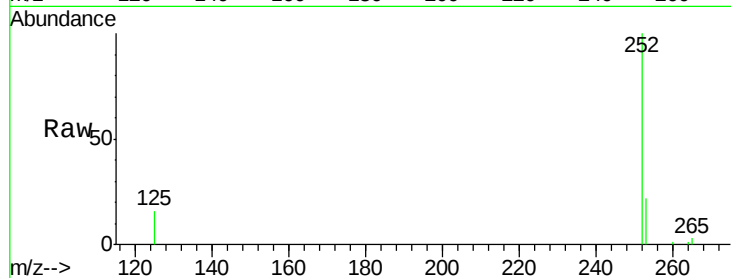




#23
Benzo(b)fluoranthene
Concen: 1.11 ng
RT: 25.13 min Scan# 4571
Delta R.T. 0.03 min
Lab File: BE089470.D
Acq: 31 Jan 2015 14:13

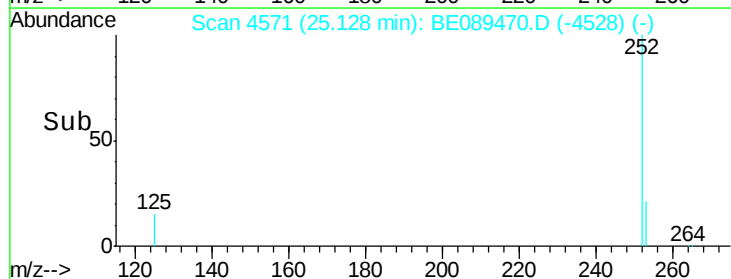
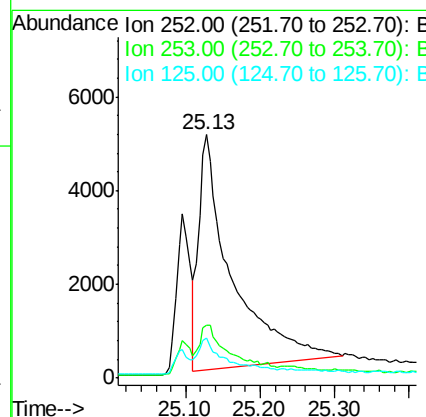
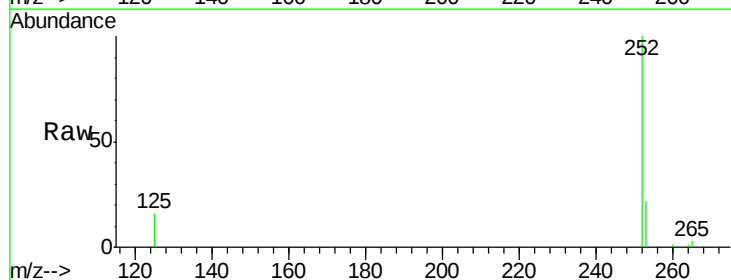
Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 15438
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 16.2 11.4 17.0



#24
Benzo(k)fluoranthene
Concen: 0.67 ng
RT: 25.13 min Scan# 4571
Delta R.T. -0.00 min
Lab File: BE089470.D
Acq: 31 Jan 2015 14:13

Tgt Ion:252 Resp: 15438
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 16.2 10.9 16.3





#25

Benzo(a)pyrene

Concen: 0.49 ng

RT: 25.48 min Scan# 4648

Delta R.T. -0.01 min

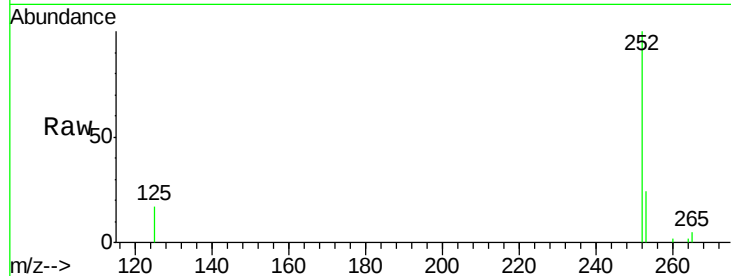
Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

Instrument :

BNA_E

ClientSampleId :



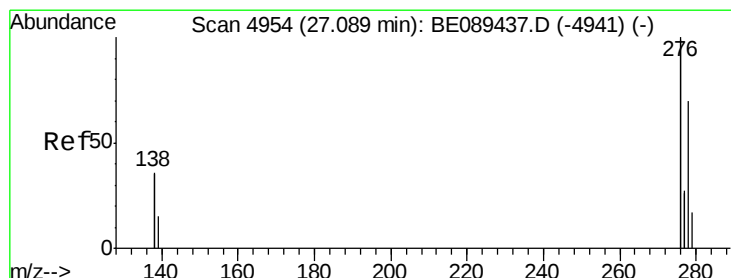
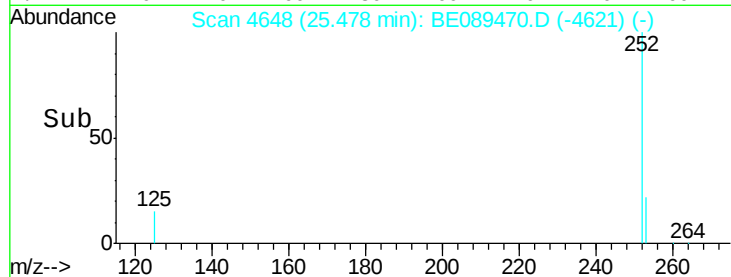
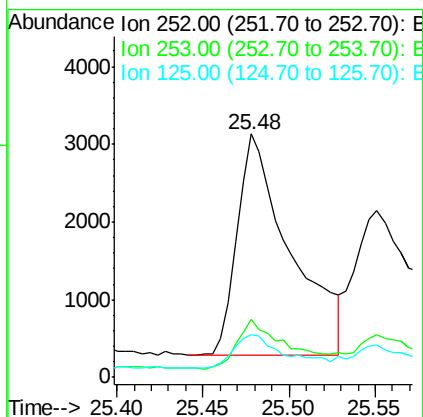
Tgt Ion:252 Resp: 6119

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 17.5 12.0 18.0



#26

Dibenzo(a,h)anthracene

Concen: 0.36 ng

RT: 27.08 min Scan# 4952

Delta R.T. -0.01 min

Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

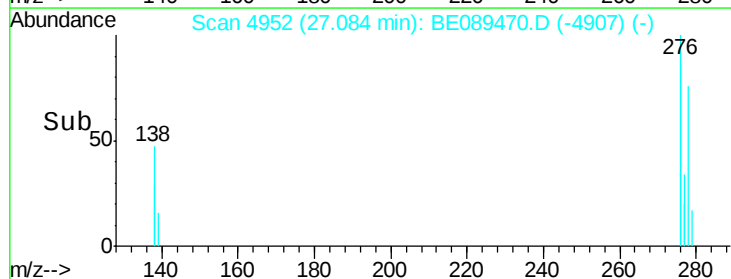
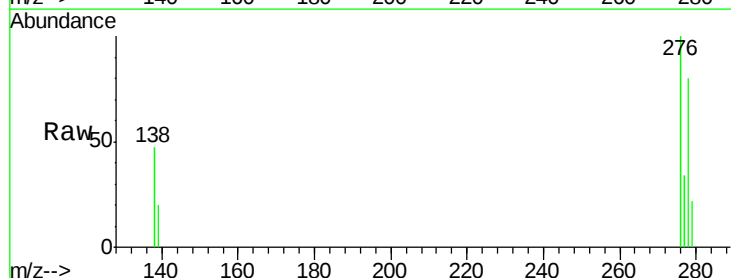
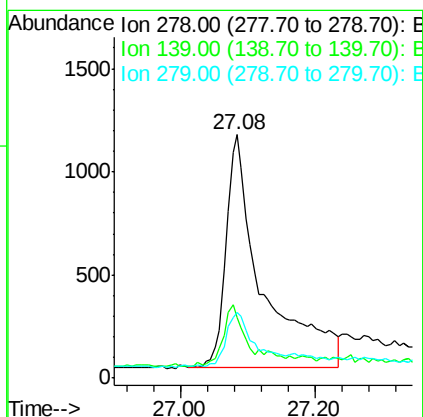
Tgt Ion:278 Resp: 4252

Ion Ratio Lower Upper

278 100

139 24.9 17.0 25.4

279 27.0 19.1 28.7





#27

Benzo(g,h,i)perylene

Concen: 0.55 ng

RT: 27.51 min Scan# 5017

Delta R.T. 0.00 min

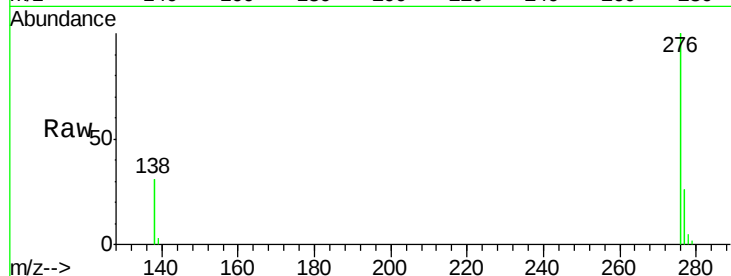
Lab File: BE089470.D

Acq: 31 Jan 2015 14:13

Instrument :

BNA_E

ClientSampleId :



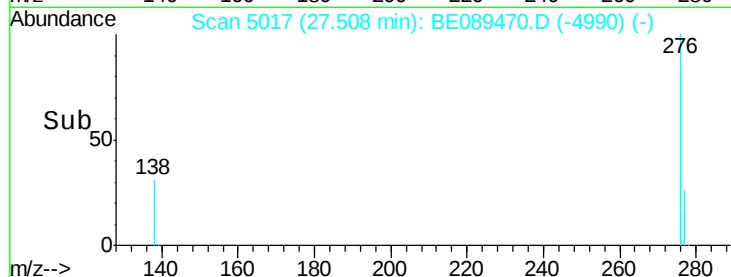
Tgt Ion: 276 Resp: 39844

Ion Ratio Lower Upper

276 100

277 25.8 18.4 27.6

138 31.0 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

