

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BE089455.D
 Acq On : 31 Jan 2015 3:10
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc : G
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 02 01:00:37 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	9.59	152	75308	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	298273	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	126150	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	231355	5.00	ng	0.00
16) Chrysene-d12	23.84	240	195964	5.00	ng	0.00
22) Perylene-d12	25.55	264	167763	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Nitrobenzene-d5	10.85	82	22163	1.12	ng	0.00
7) 2-Fluorobiphenyl	15.13	172	34184	1.03	ng	0.00
18) Terphenyl-d14	22.48	244	28223	0.96	ng	0.00

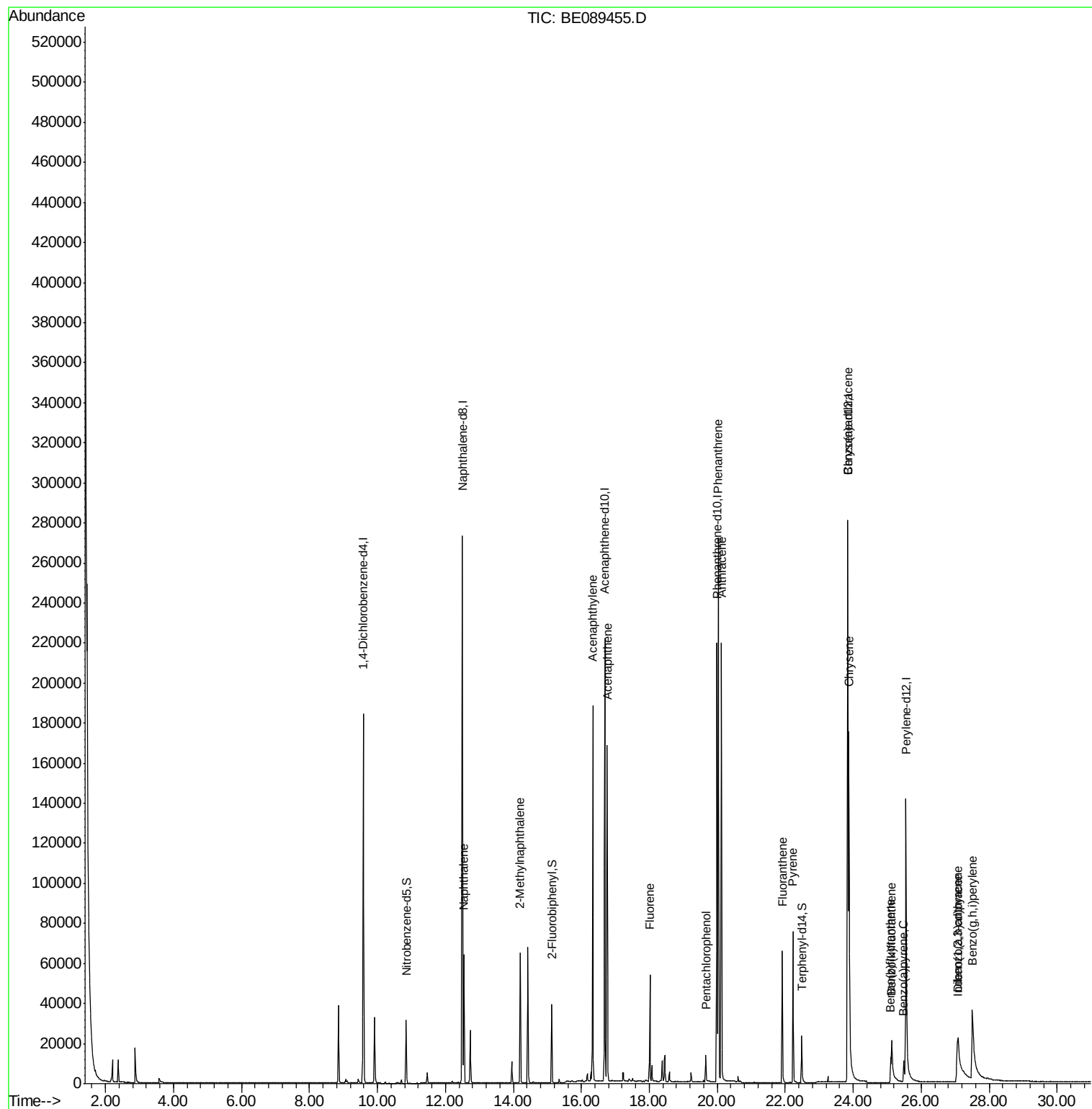
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	12.55	128	69851	1.00	ng	99
5) 2-Methylnaphthalene	14.20	142	40246	0.95	ng	95
8) Acenaphthylene	16.34	152	224420	0.99	ng	100
9) Acenaphthene	16.76	154	34423	1.01	ng	99
10) Fluorene	18.02	166	37991	1.00	ng	98
12) Pentachlorophenol	19.66	266	8063	4.98	ng	94
13) Phenanthrene	20.03	178	231091	1.02	ng	99
14) Anthracene	20.12	178	203782	0.98	ng	100
15) Fluoranthene	21.91	202	48526	0.98	ng	100
17) Pyrene	22.23	202	53547	1.03	ng	100
19) Benzo(a)anthracene	23.83	228	134823	0.82	ng	98
20) Chrysene	23.87	228	197962	1.06	ng	98
21) Indeno(1,2,3-cd)pyrene	27.06	276	81050	0.50	ng	99
23) Benzo(b)fluoranthene	25.10	252	13266	0.61	ng	100
24) Benzo(k)fluoranthene	25.13	252	45353	1.06	ng	99
25) Benzo(a)pyrene	25.48	252	16646	0.66	ng	97
26) Dibenzo(a,h)anthracene	27.09	278	17693	0.63	ng	96
27) Benzo(g,h,i)perylene	27.51	276	106399	0.79	ng	98

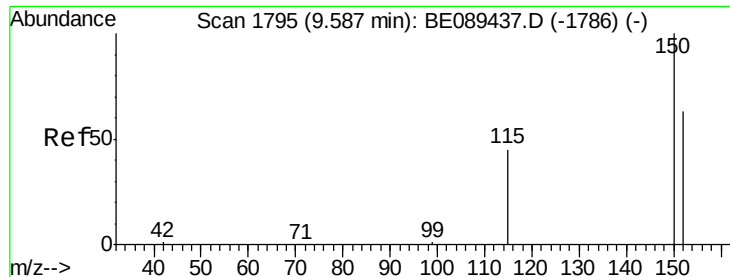
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.59 min Scan# 1795

Delta R.T. -0.00 min

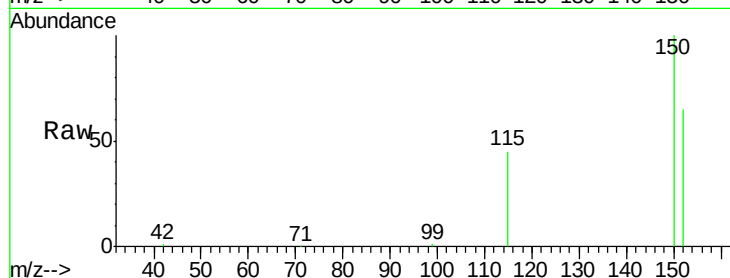
Lab File: BE089455.D

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Instrument :

BNA_E

ClientSampleId :



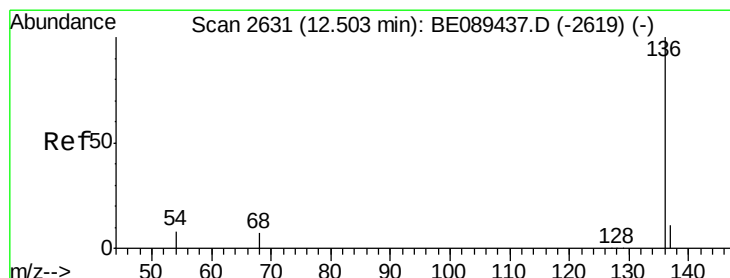
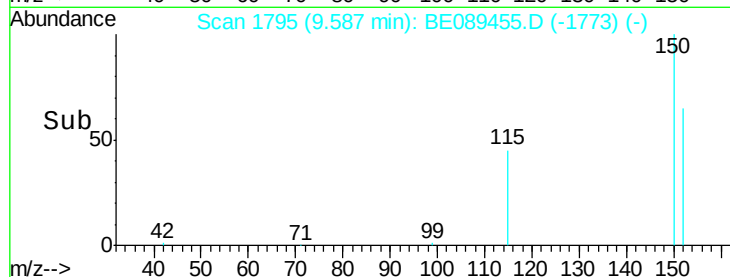
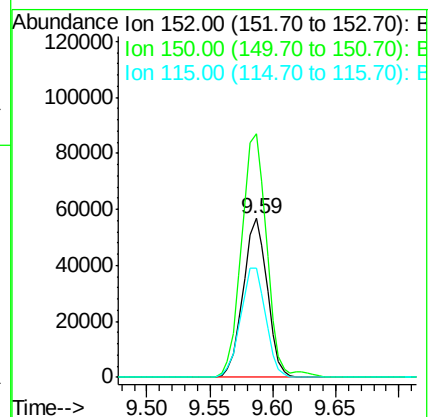
Tgt Ion:152 Resp: 75308

Ion Ratio Lower Upper

152 100

150 153.4 127.2 190.8

115 68.8 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: BE089455.D

Acq: 31 Jan 2015 3:10

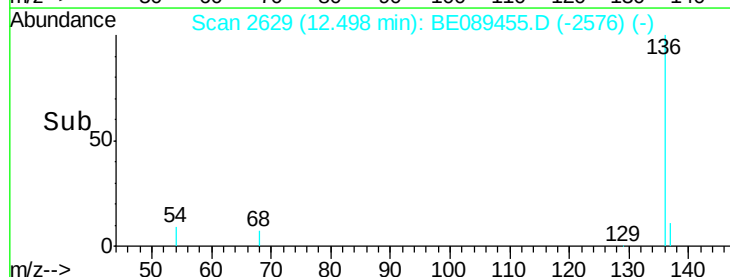
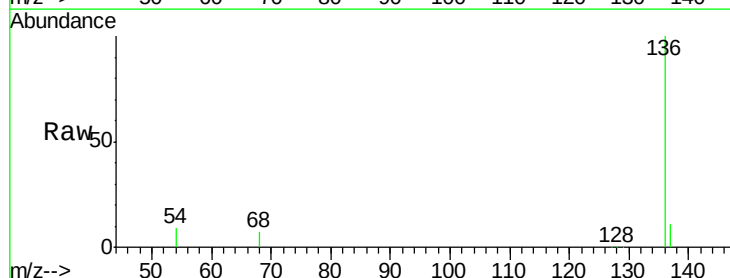
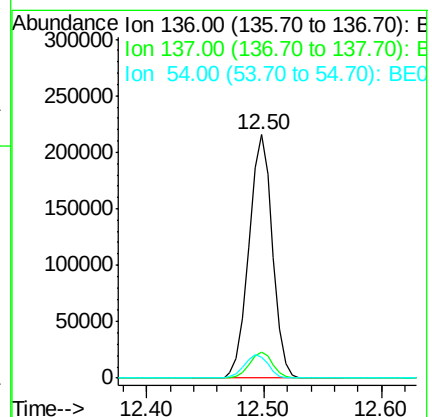
Tgt Ion:136 Resp: 298273

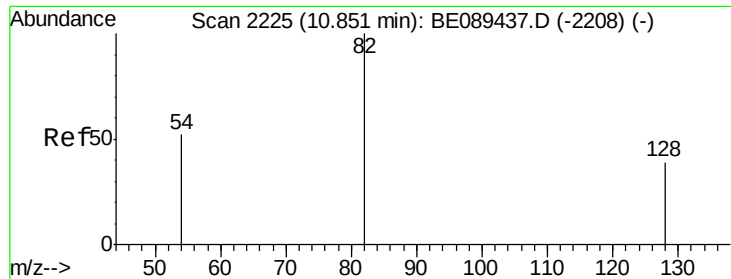
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 8.7 6.6 10.0





#3

Nitrobenzene-d5

Concen: 1.12 ng

RT: 10.85 min Scan# 2224

Delta R.T. -0.00 min

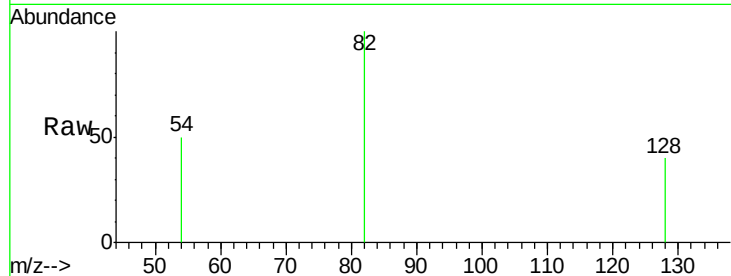
Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Instrument :

BNA_E

ClientSampleId :



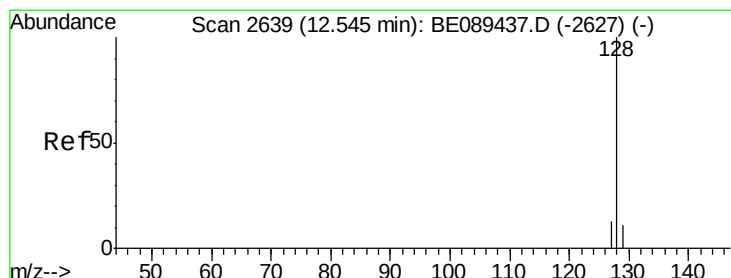
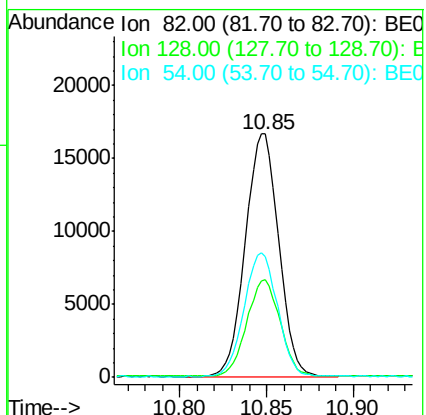
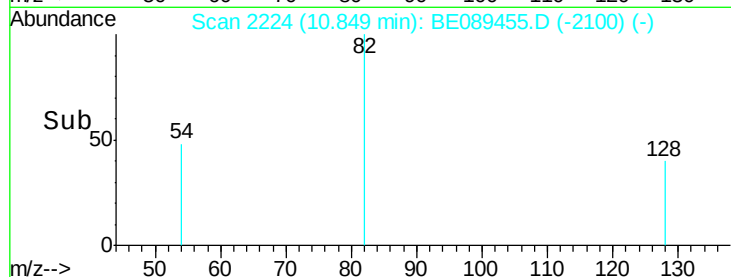
Tgt Ion: 82 Resp: 22163

Ion Ratio Lower Upper

82 100

128 40.1 31.2 46.8

54 49.8 41.9 62.9



#4

Naphthalene

Concen: 1.00 ng

RT: 12.55 min Scan# 2638

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

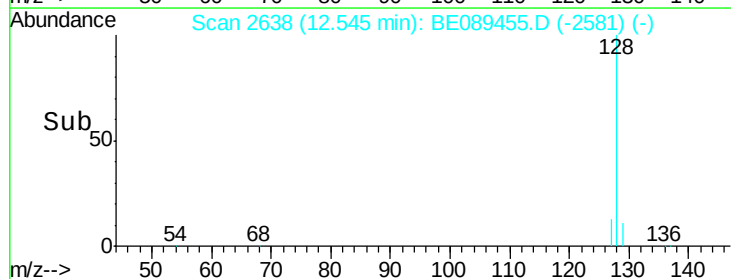
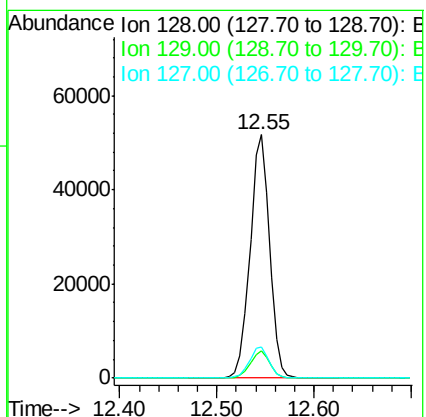
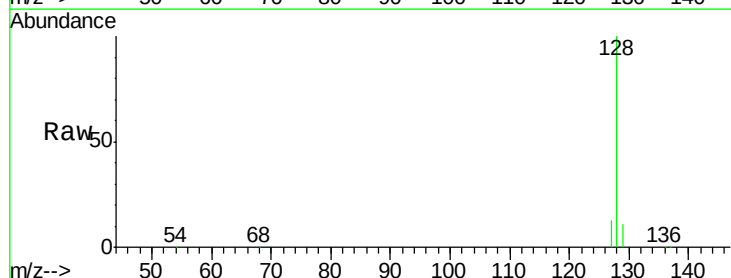
Tgt Ion: 128 Resp: 69851

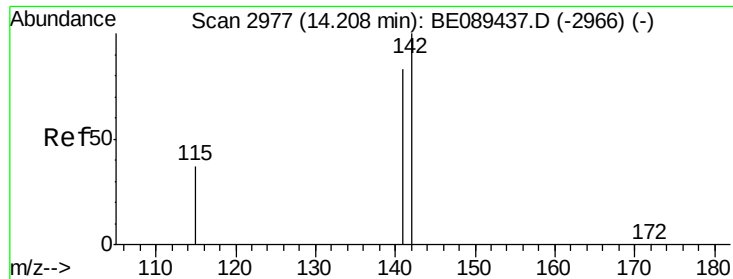
Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 12.7 10.6 16.0





#5

2-Methylnaphthalene

Concen: 0.95 ng

RT: 14.20 min Scan# 2975

Delta R.T. -0.01 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Instrument :

BNA_E

ClientSampleId :

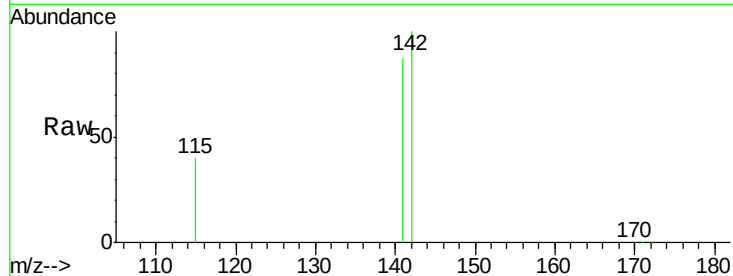
Tgt Ion:142 Resp: 40246

Ion Ratio Lower Upper

142 100

141 86.9 66.1 99.1

115 40.4 29.9 44.9

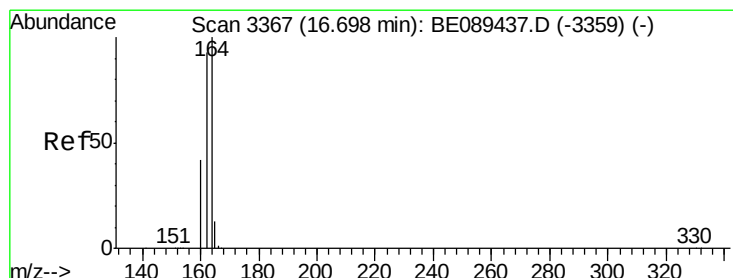
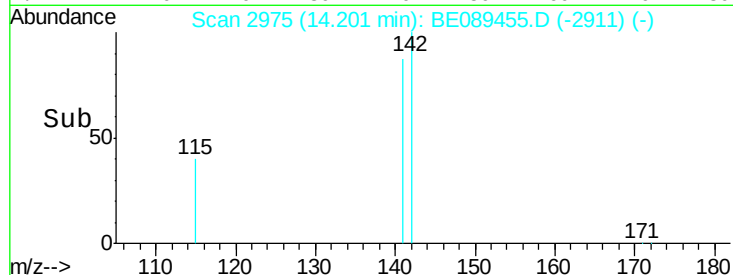
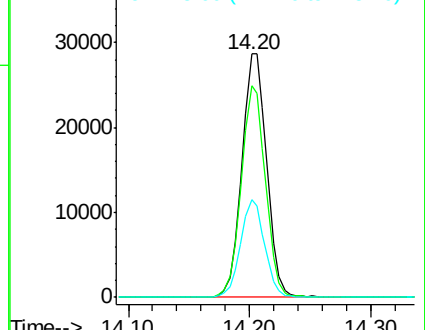


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.69 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

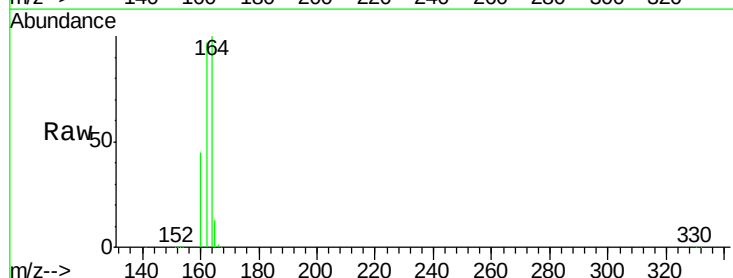
Tgt Ion:164 Resp: 126150

Ion Ratio Lower Upper

164 100

162 97.3 74.7 112.1

160 44.9 33.4 50.0

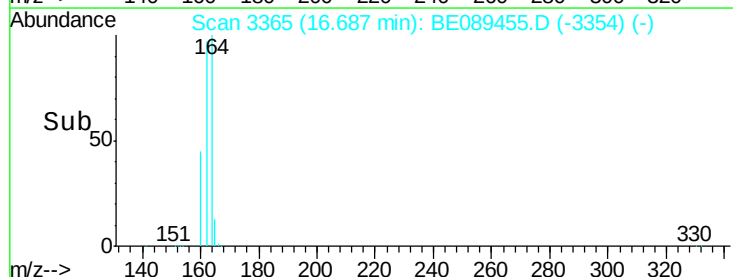
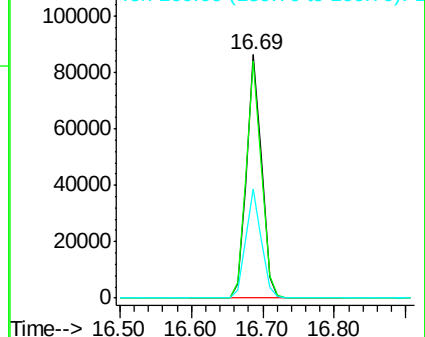


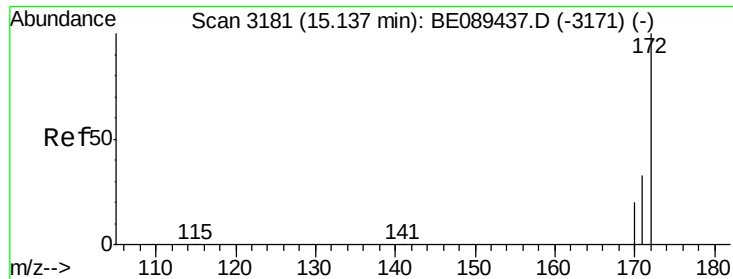
Abundance

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





#7

2-Fluorobiphenyl

Concen: 1.03 ng

RT: 15.13 min Scan# 3179

Delta R.T. -0.01 min

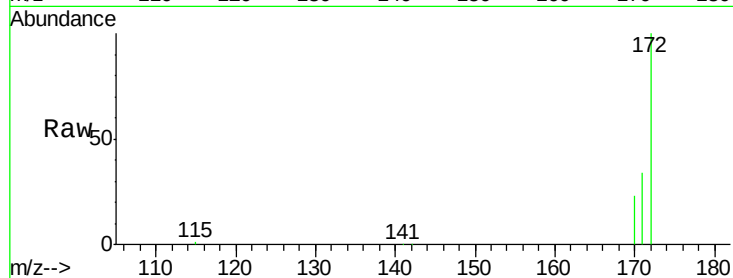
Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

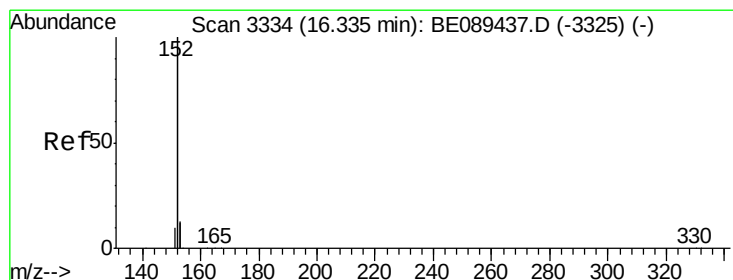
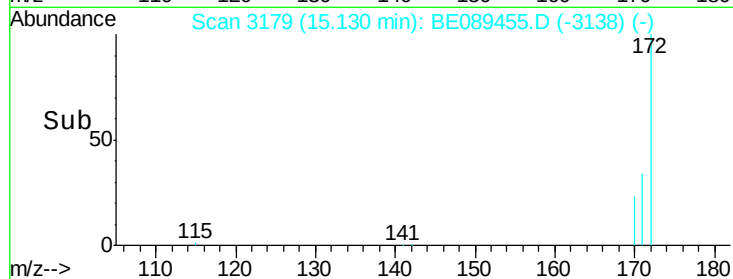
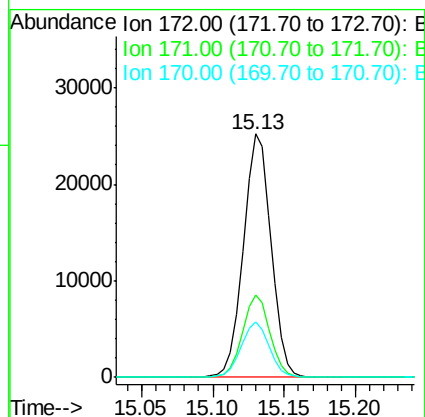
Instrument :

BNA_E

ClientSampleId :



Tgt Ion:	172	Resp:	34184
Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.2	39.4
170	22.7	16.5	24.7



#8

Acenaphthylene

Concen: 0.99 ng

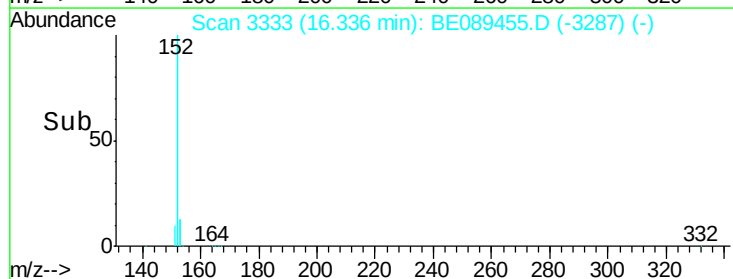
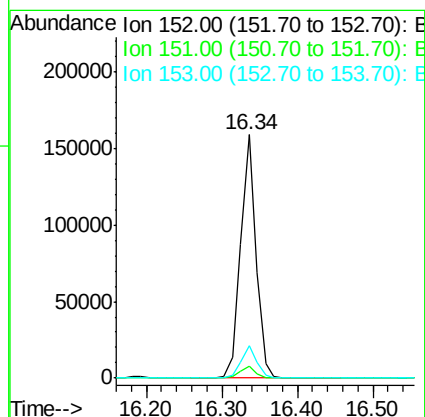
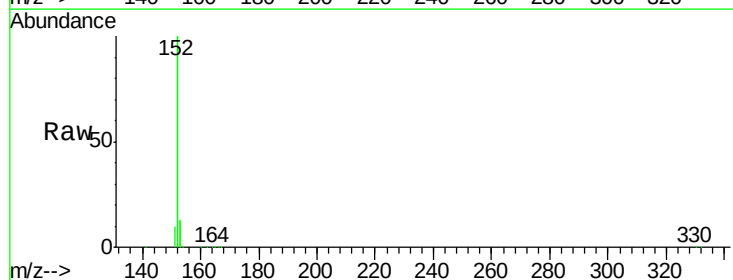
RT: 16.34 min Scan# 3333

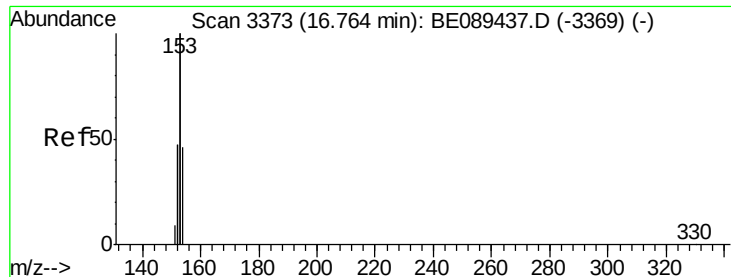
Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Tgt Ion:	152	Resp:	224420
Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.3	15.5





#9

Acenaphthene

Concen: 1.01 ng

RT: 16.76 min Scan# 3372

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Instrument :

BNA_E

ClientSampleId :

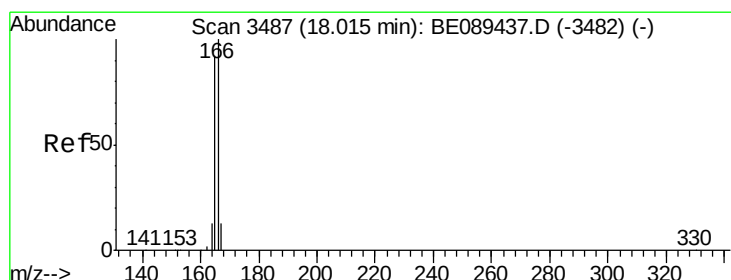
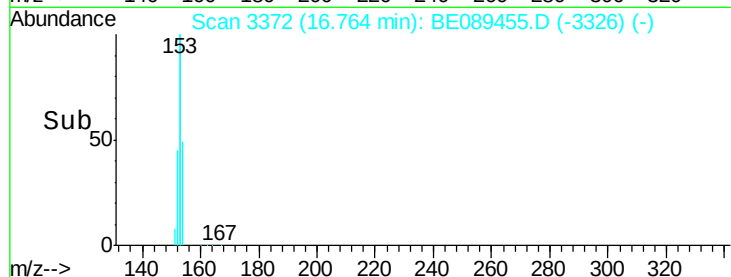
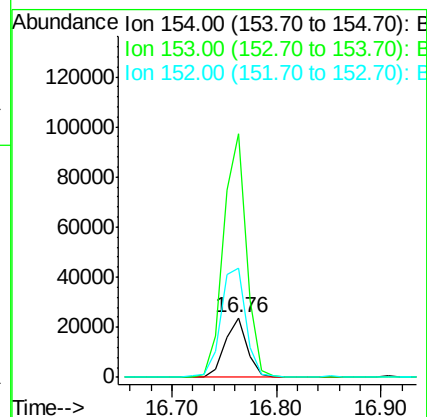
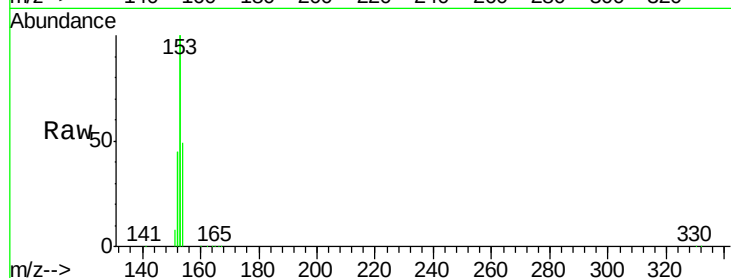
Tgt Ion:154 Resp: 34423

Ion Ratio Lower Upper

154 100

153 426.8 342.3 513.5

152 208.2 165.5 248.3



#10

Fluorene

Concen: 1.00 ng

RT: 18.02 min Scan# 3486

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

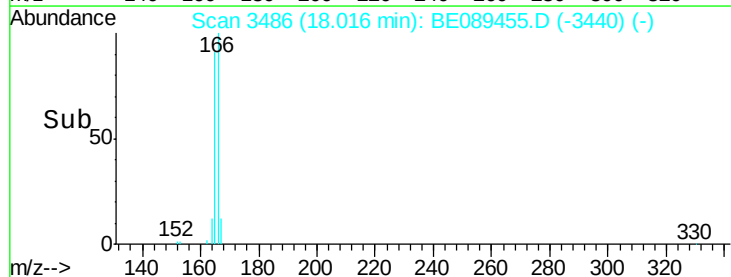
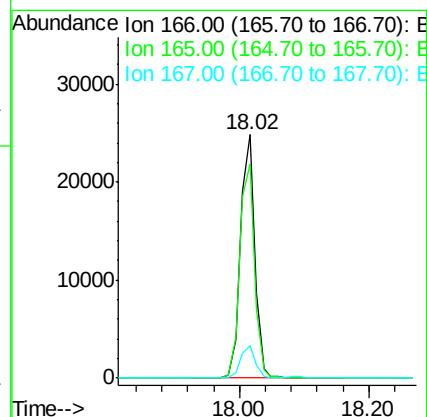
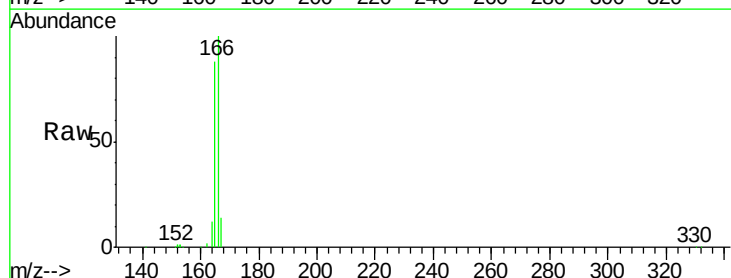
Tgt Ion:166 Resp: 37991

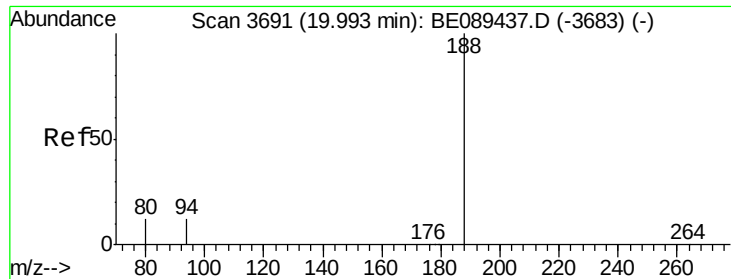
Ion Ratio Lower Upper

166 100

165 91.0 74.4 111.6

167 13.4 10.6 15.8

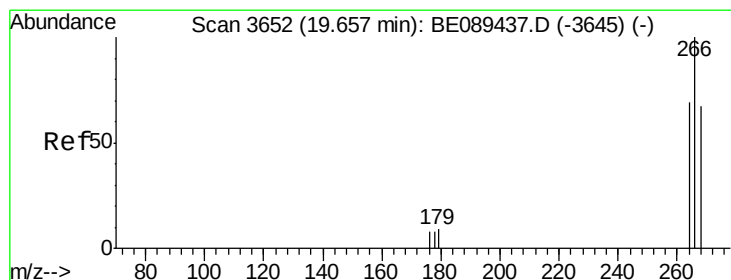
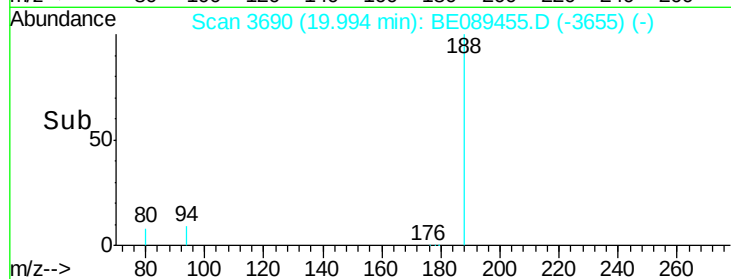
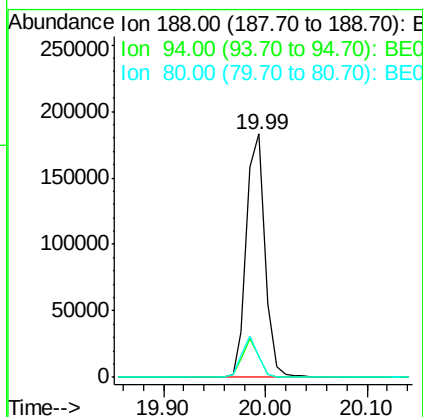
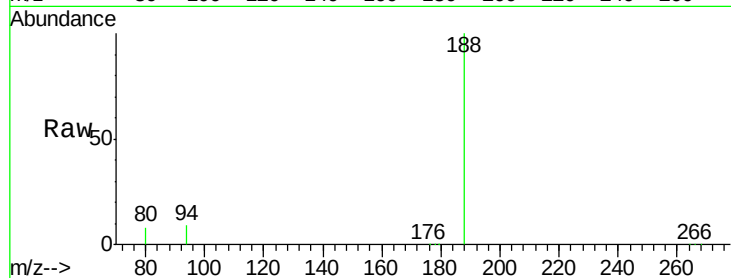




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3690
Delta R.T. 0.00 min
Lab File: BE089455.D
Acq: 31 Jan 2015 3:10

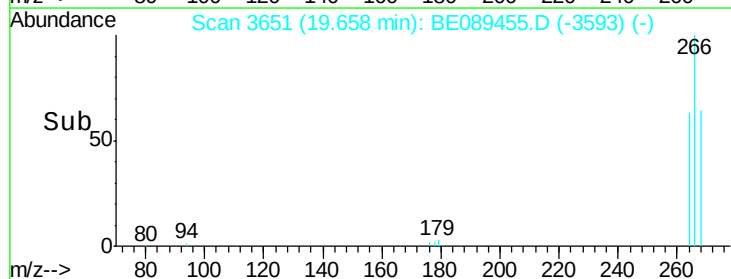
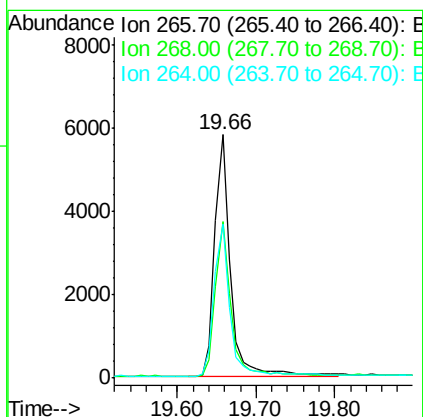
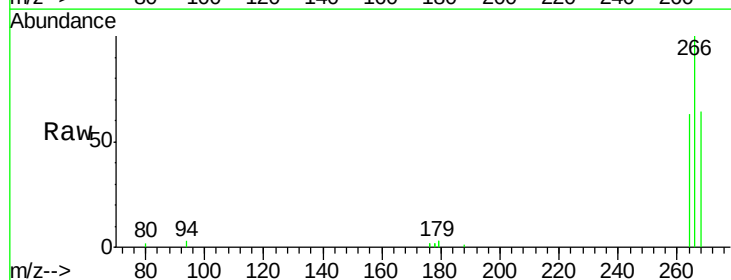
Instrument :
BNA_E
ClientSampleId :

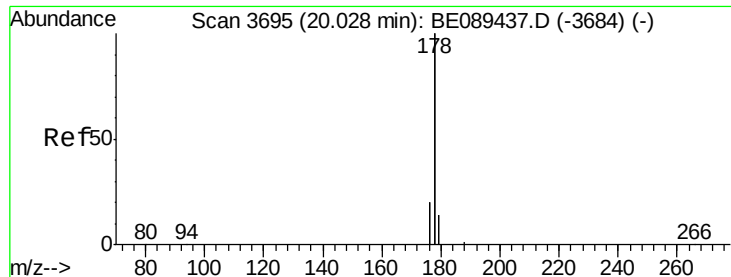
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	9.4	14.0#
80	8.4	9.3	13.9#



#12
Pentachlorophenol
Concen: 4.98 ng
RT: 19.66 min Scan# 3651
Delta R.T. 0.00 min
Lab File: BE089455.D
Acq: 31 Jan 2015 3:10

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.3	54.2	81.4
264	63.3	56.2	84.2





#13

Phenanthrene

Concen: 1.02 ng

RT: 20.03 min Scan# 3694

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Instrument :

BNA_E

ClientSampleId :

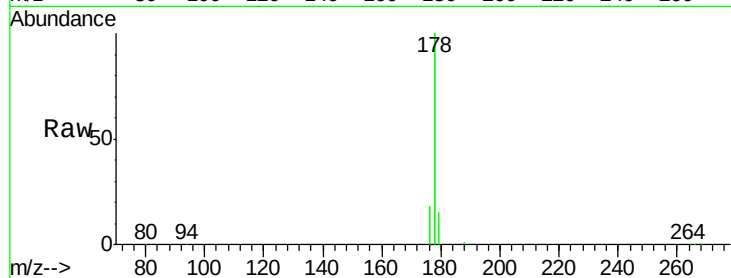
Tgt Ion:178 Resp: 231091

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

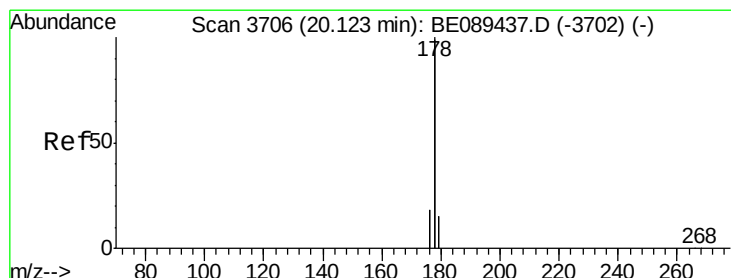
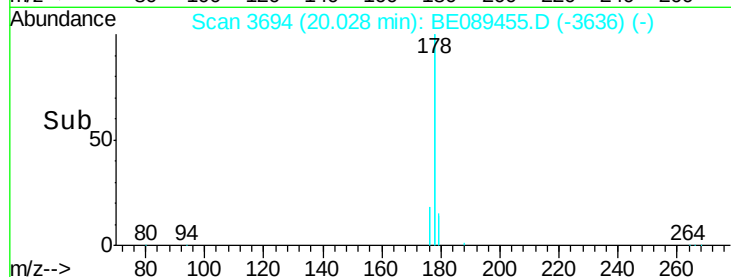
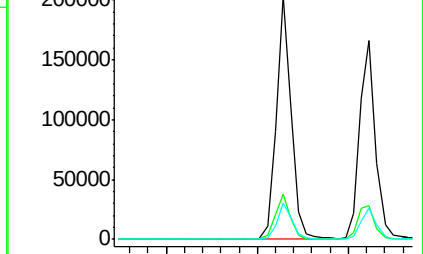
179 15.2 12.3 18.5



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: 0.98 ng

RT: 20.12 min Scan# 3705

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

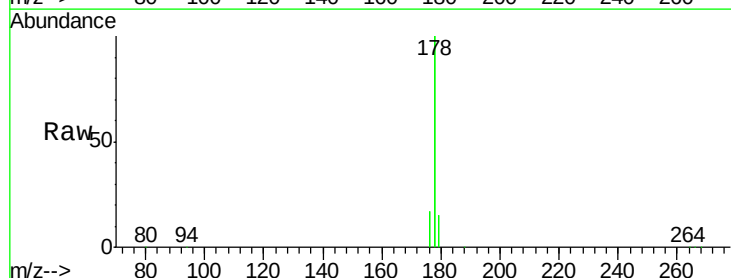
Tgt Ion:178 Resp: 203782

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

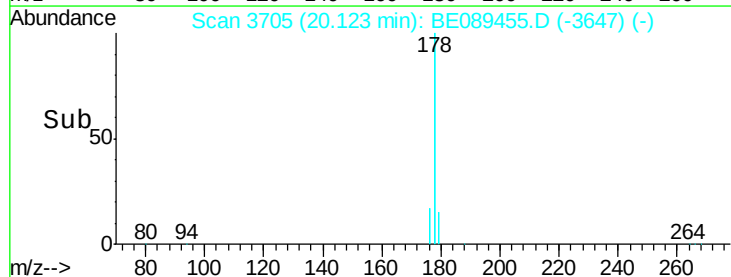
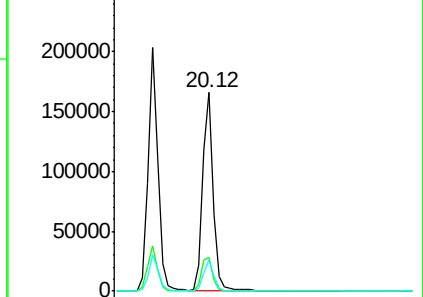
179 15.1 12.2 18.2

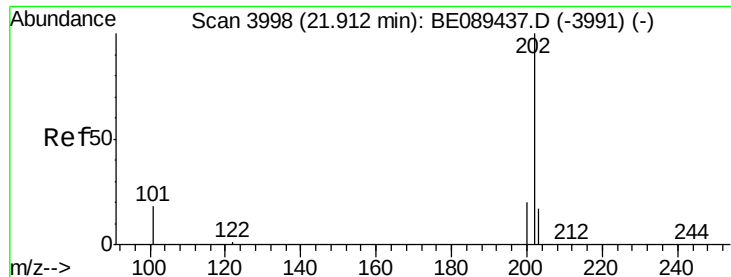


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.98 ng

RT: 21.91 min Scan# 3997

Delta R.T. 0.00 min

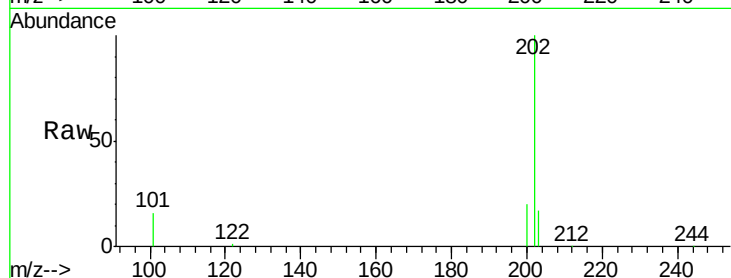
Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

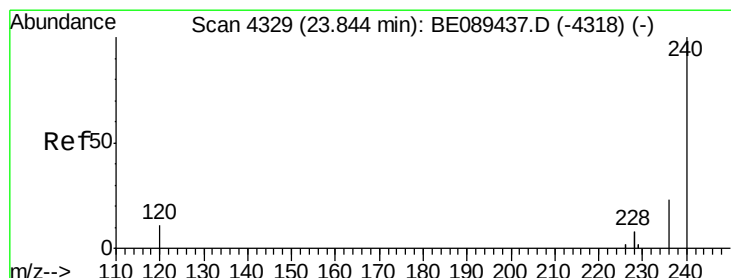
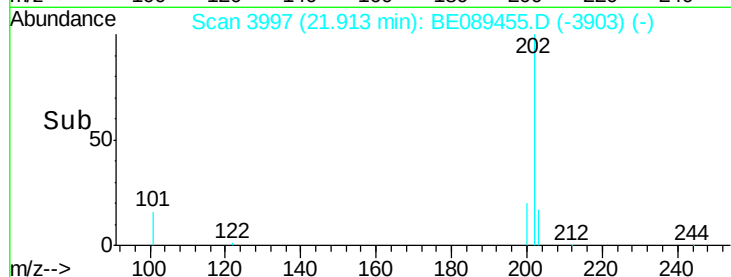
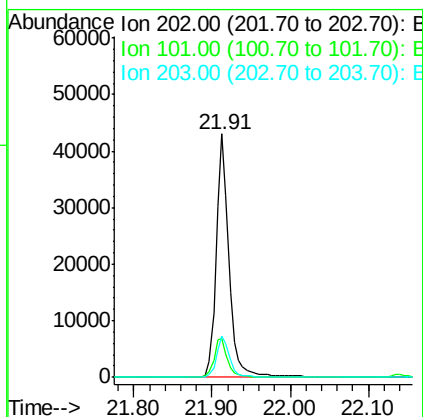
Instrument :

BNA_E

ClientSampleId :



Tgt Ion:	202	Resp:	48526
Ion	Ratio	Lower	Upper
202	100		
101	16.8	13.6	20.4
203	17.0	13.8	20.6



#16

Chrysene-d12

Concen: 5.00 ng

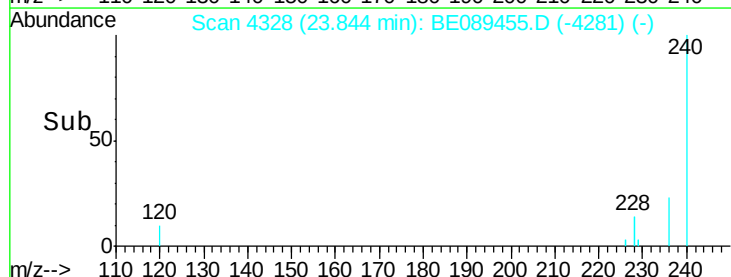
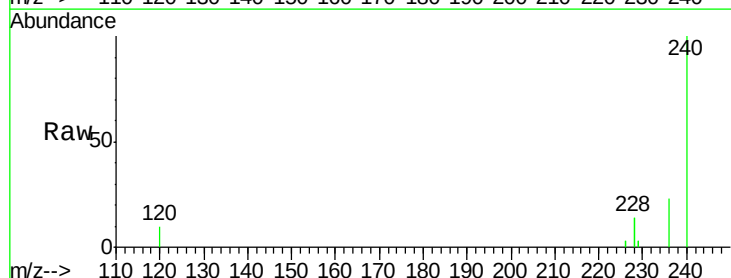
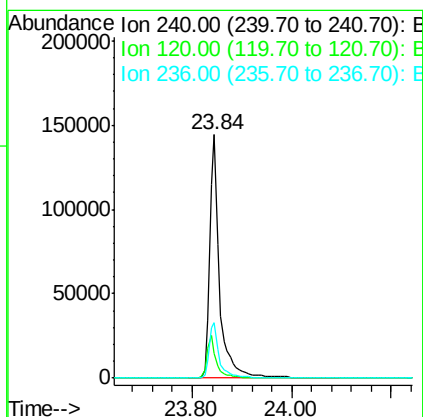
RT: 23.84 min Scan# 4328

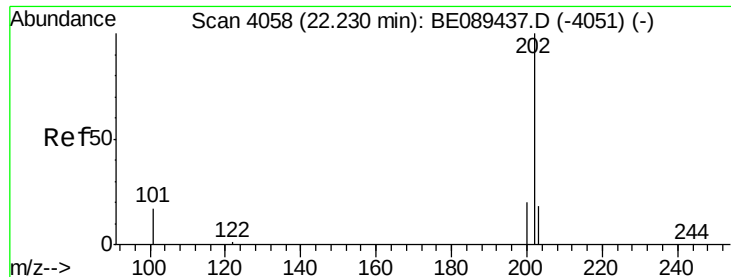
Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Tgt Ion:	240	Resp:	195964
Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.6	13.0
236	23.0	18.7	28.1

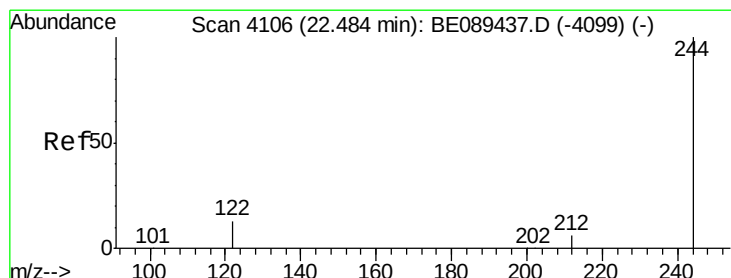
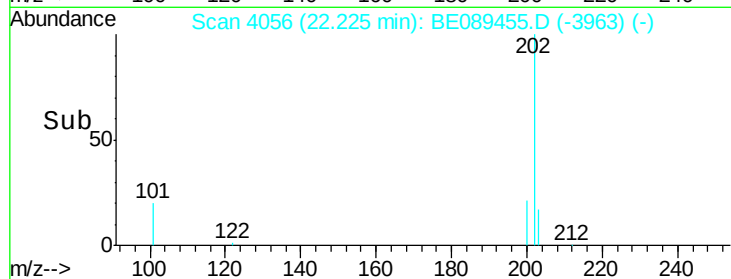
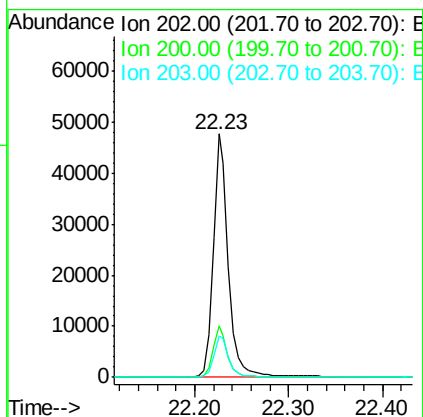
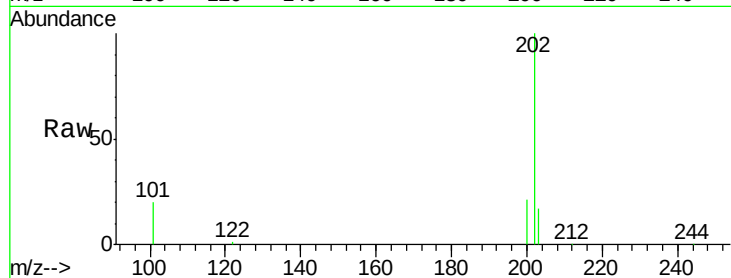




#17
 Pyrene
 Concen: 1.03 ng
 RT: 22.23 min Scan# 4056
 Delta R.T. -0.00 min
 Lab File: BE089455.D
 Acq: 31 Jan 2015 3:10

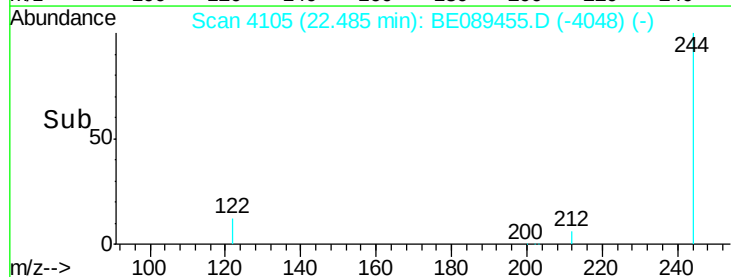
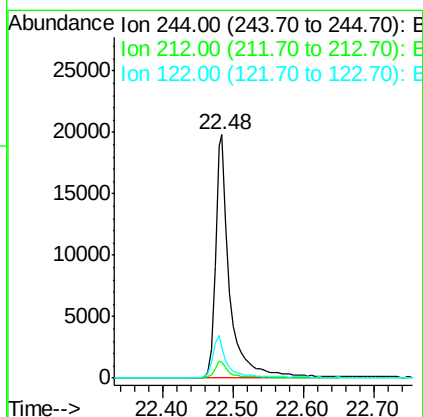
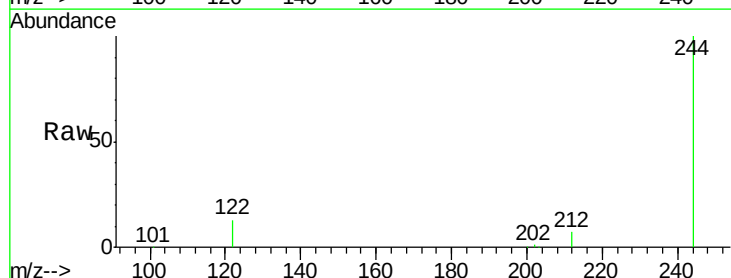
Instrument :
 BNA_E
 ClientSampleId :

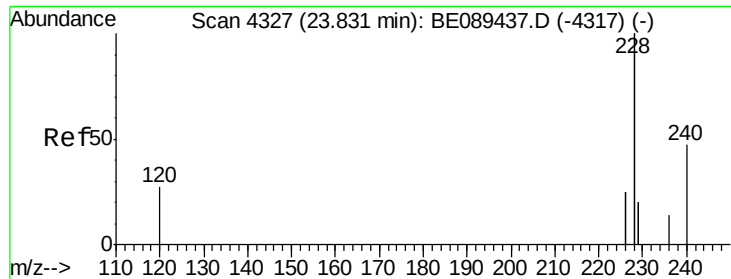
Tgt Ion:202 Resp: 53547
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.2 24.4
 203 17.2 13.8 20.8



#18
 Terphenyl-d14
 Concen: 0.96 ng
 RT: 22.48 min Scan# 4105
 Delta R.T. 0.00 min
 Lab File: BE089455.D
 Acq: 31 Jan 2015 3:10

Tgt Ion:244 Resp: 28223
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.6
 122 12.6 10.2 15.4





#19

Benzo(a)anthracene

Concen: 0.82 ng

RT: 23.83 min Scan# 4326

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Instrument :

BNA_E

ClientSampleId :

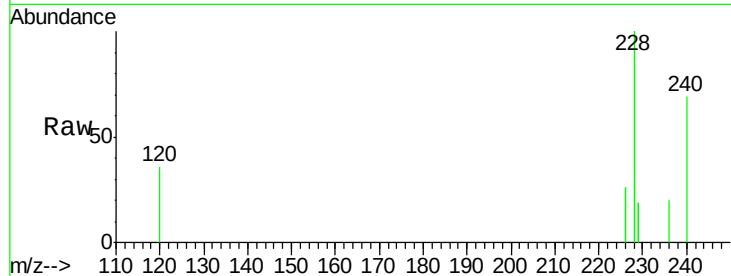
Tgt Ion:228 Resp: 134823

Ion Ratio Lower Upper

228 100

226 26.0 20.0 30.0

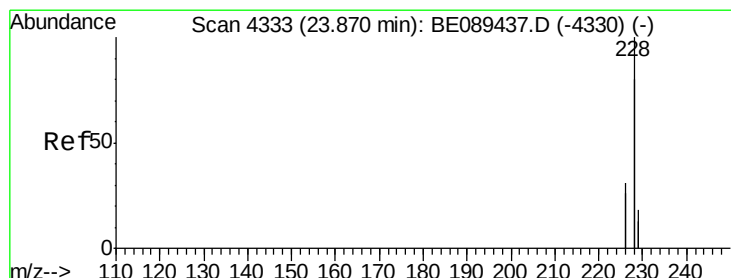
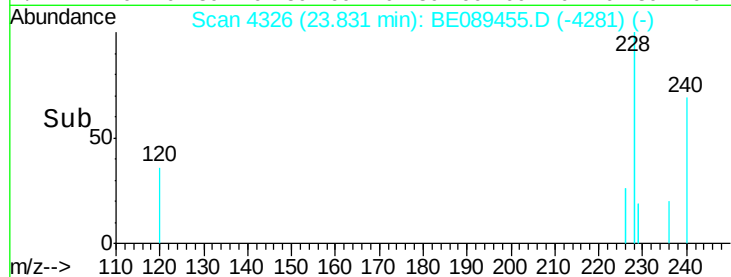
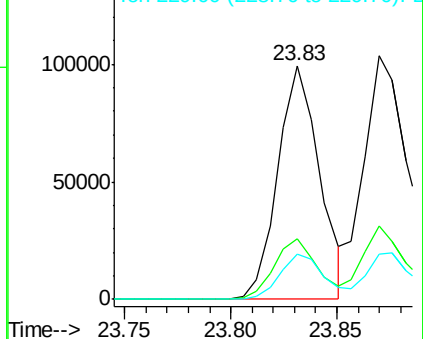
229 19.2 16.0 24.0



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: 1.06 ng

RT: 23.87 min Scan# 4332

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

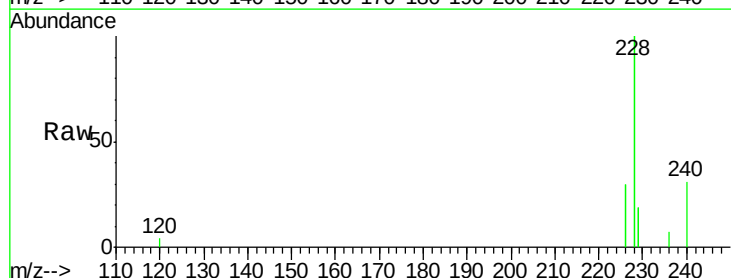
Tgt Ion:228 Resp: 197962

Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

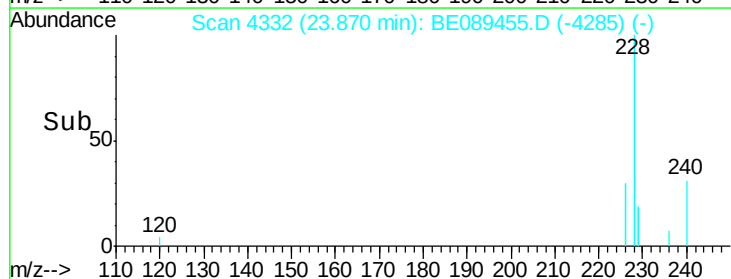
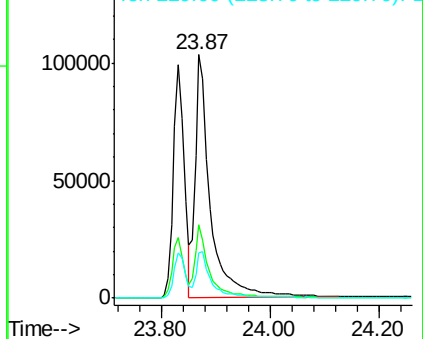
229 18.7 14.1 21.1

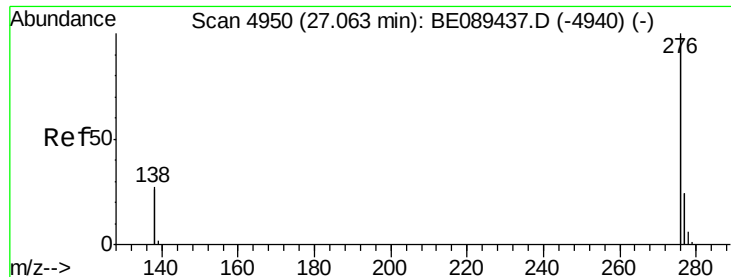


Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.50 ng

RT: 27.06 min Scan# 4948

Delta R.T. -0.01 min

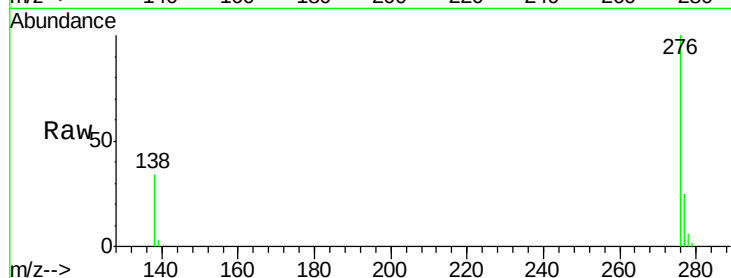
Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Instrument :

BNA_E

ClientSampleId :



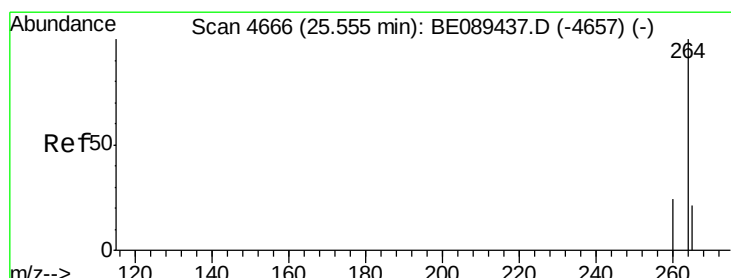
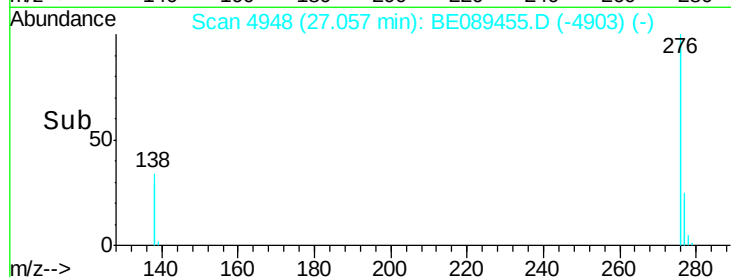
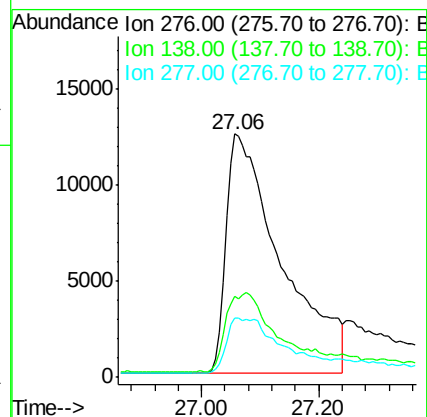
Tgt Ion: 276 Resp: 81050

Ion Ratio Lower Upper

276 100

138 31.3 25.4 38.0

277 23.6 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: BE089455.D

Acq: 31 Jan 2015 3:10

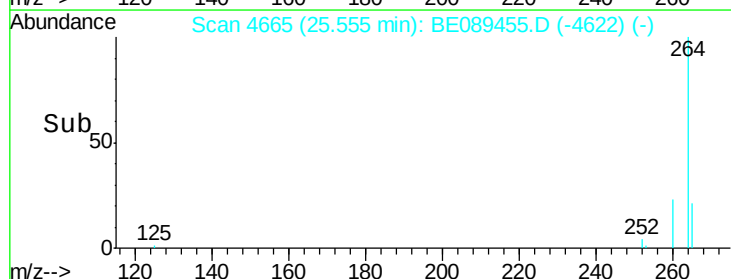
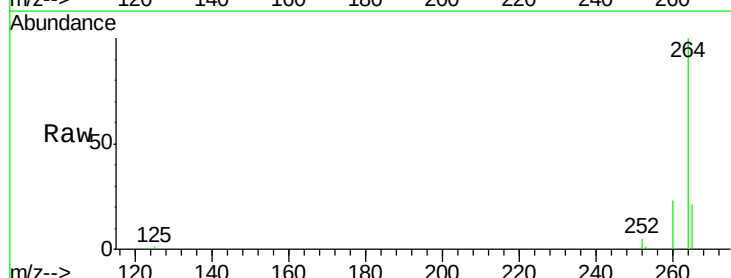
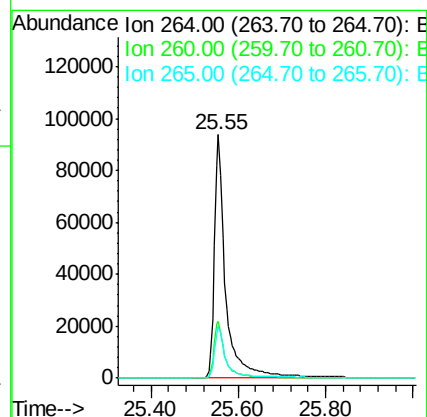
Tgt Ion: 264 Resp: 167763

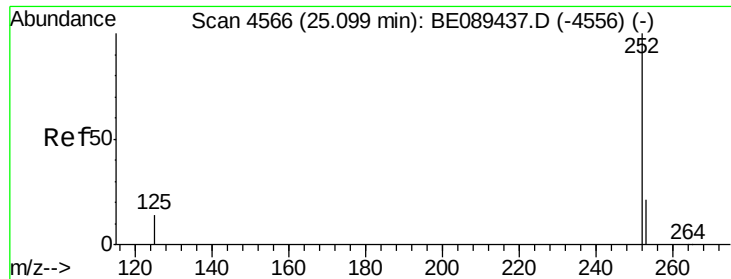
Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.0

265 21.2 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.61 ng

RT: 25.10 min Scan# 4565

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Instrument :

BNA_E

ClientSampleId :

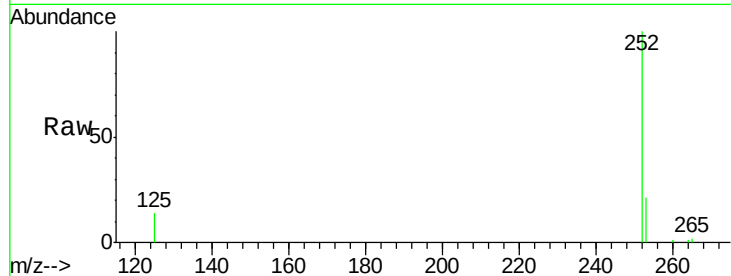
Tgt Ion:252 Resp: 13266

Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.6

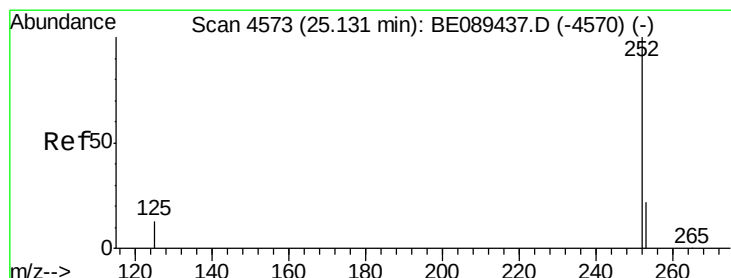
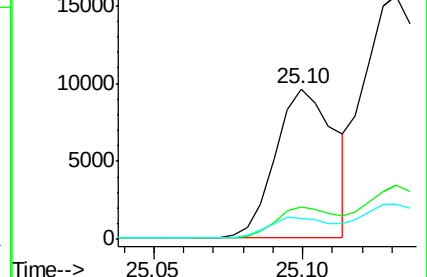
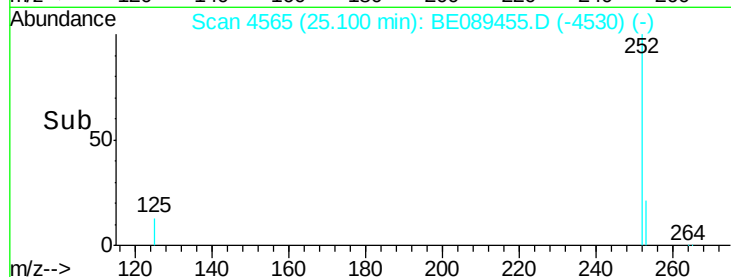
125 14.2 11.4 17.0



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



#24

Benzo(k)fluoranthene

Concen: 1.06 ng

RT: 25.13 min Scan# 4572

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

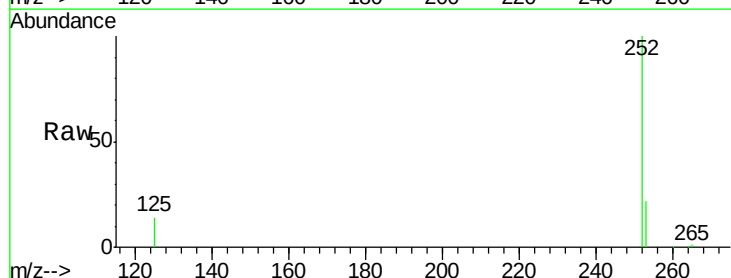
Tgt Ion:252 Resp: 45353

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

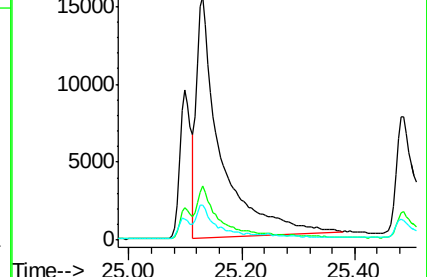
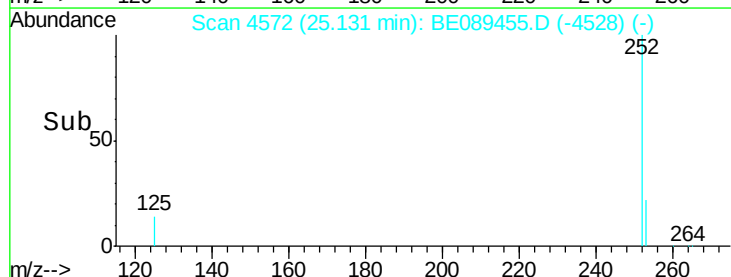
125 14.4 10.9 16.3

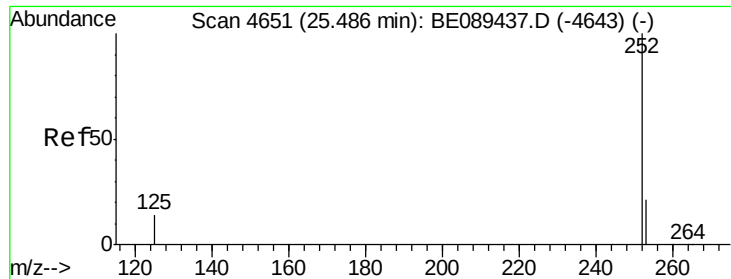


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.66 ng

RT: 25.48 min Scan# 4649

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Instrument :

BNA_E

ClientSampleId :

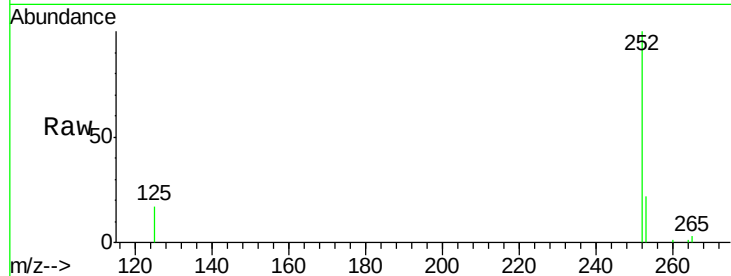
Tgt Ion:252 Resp: 16646

Ion Ratio Lower Upper

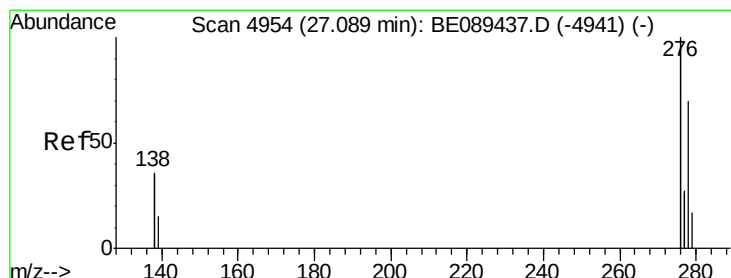
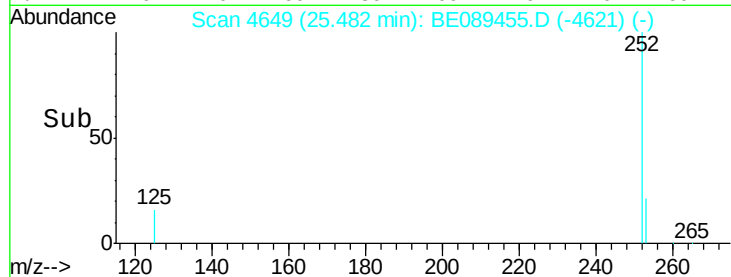
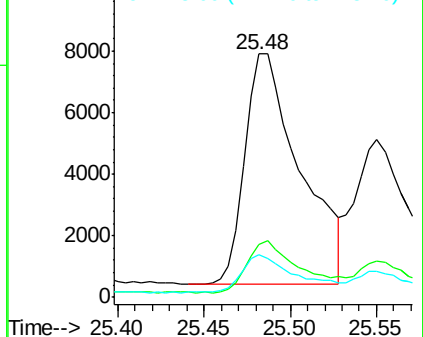
252 100

253 21.9 17.3 25.9

125 17.4 12.0 18.0



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



#26

Dibenzo(a,h)anthracene

Concen: 0.63 ng

RT: 27.09 min Scan# 4953

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

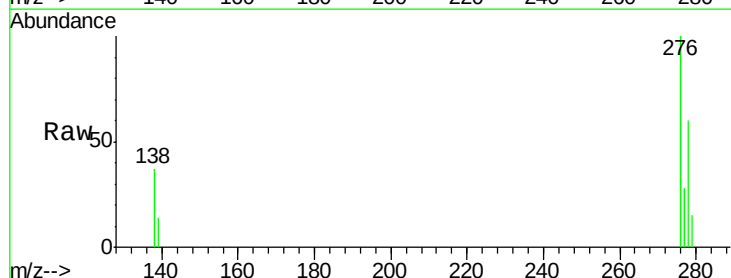
Tgt Ion:278 Resp: 17693

Ion Ratio Lower Upper

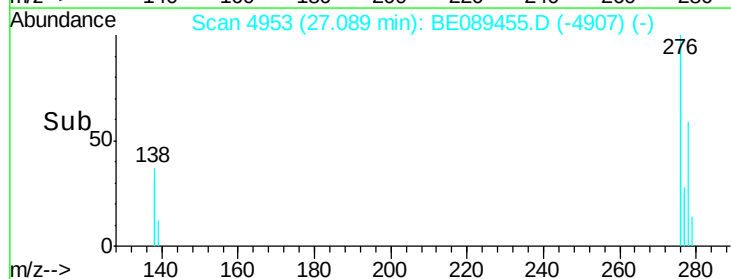
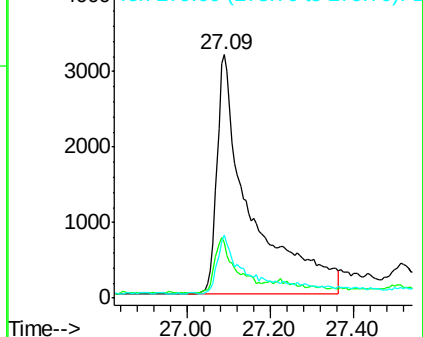
278 100

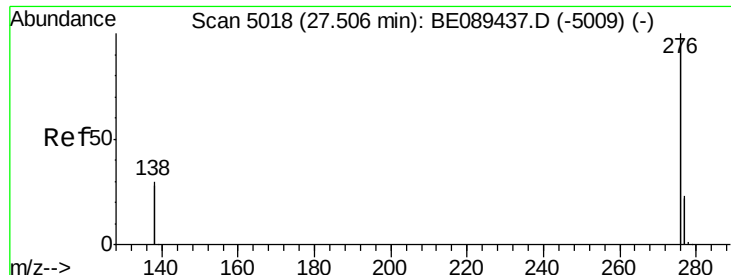
139 22.9 17.0 25.4

279 25.7 19.1 28.7



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





#27

Benzo(g,h,i)perylene

Concen: 0.79 ng

RT: 27.51 min Scan# 5018

Delta R.T. 0.01 min

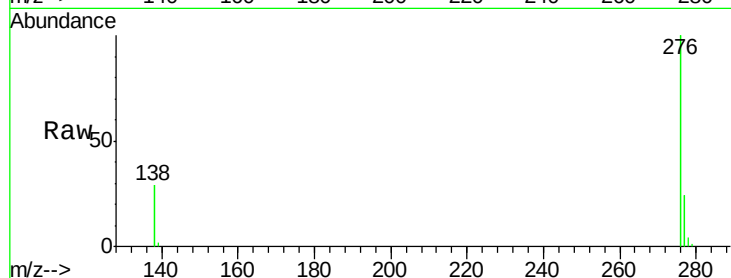
Lab File: BE089455.D

Acq: 31 Jan 2015 3:10

Instrument :

BNA_E

ClientSampleId :



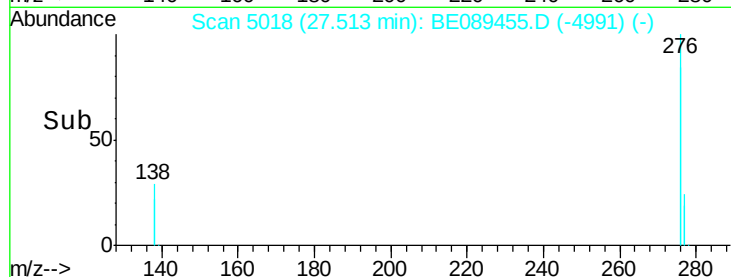
Tgt Ion: 276 Resp: 106399

Ion Ratio Lower Upper

276 100

277 24.4 18.4 27.6

138 29.1 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

