

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089560.D
 Acq On : 7 Feb 2015 15:14
 Operator : TP/IZ
 Sample : MDL-06-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICV001

Quant Time: Feb 09 00:18:13 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	46639	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	176747	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	80292	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	134225	5.00	ng	0.00
16) Chrysene-d12	23.72	240	153997	5.00	ng	0.00
22) Perylene-d12	25.41	264	167276	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	107286	9.14	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	163414	7.63	ng	0.00
18) Terphenyl-d14	22.36	244	179691	8.85	ng	0.00

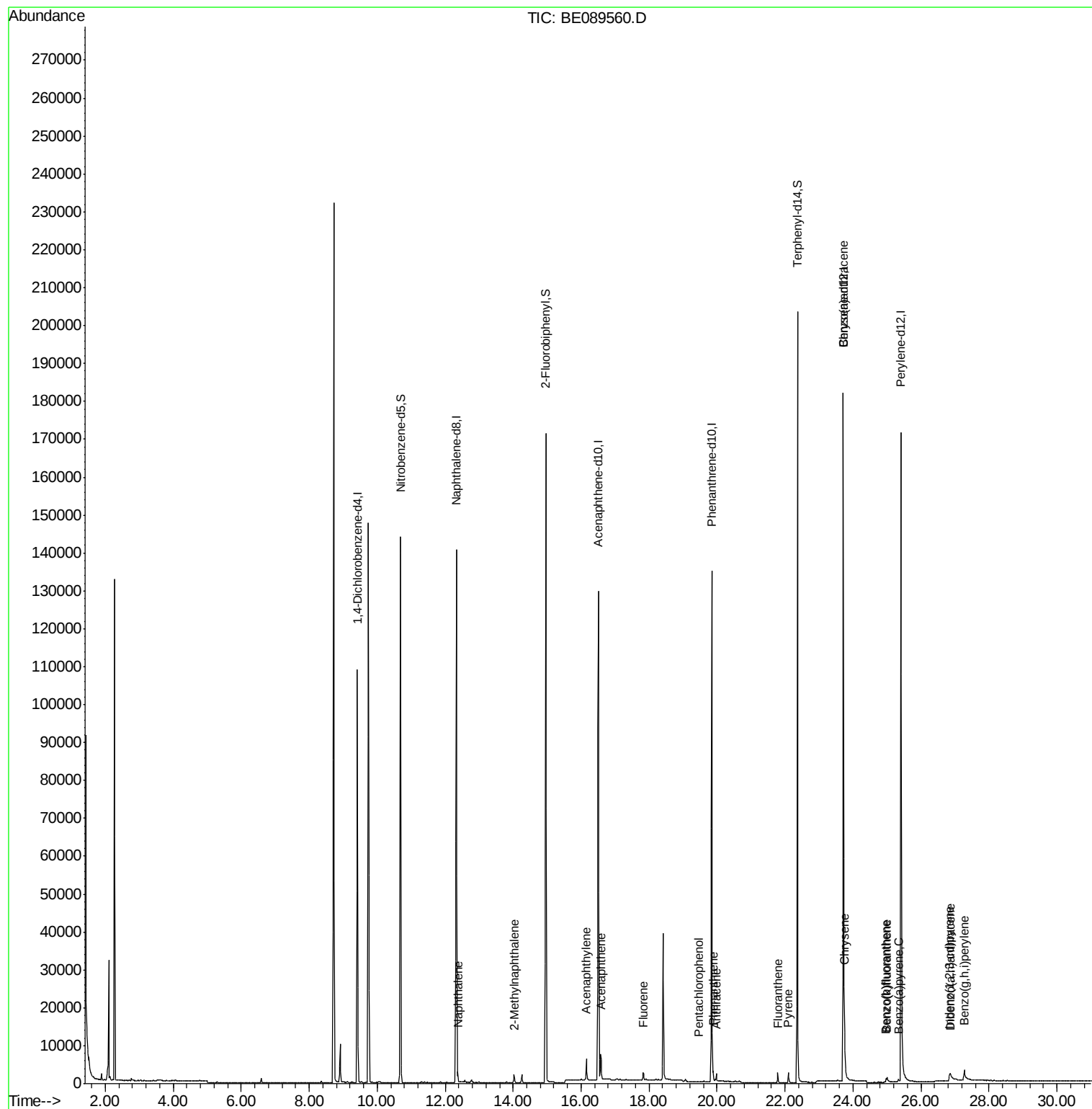
Target Compounds						Qvalue
4) Naphthalene	12.37	128	3040	0.08	ng	95
5) 2-Methylnaphthalene	14.03	142	1555	0.07	ng	95
8) Acenaphthylene	16.16	152	7665	0.06	ng	100
9) Acenaphthene	16.58	154	1386	0.06	ng	89
10) Fluorene	17.83	166	1473	0.06	ng	97
12) Pentachlorophenol	19.47	266	5	0.54	ng	85
13) Phenanthrene	19.89	178	2520	0.08	ng	99
14) Anthracene	19.98	178	1822	0.06	ng	97
15) Fluoranthene	21.79	202	1838	0.06	ng	97
17) Pyrene	22.10	202	2058	0.06	ng	97
19) Benzo(a)anthracene	23.71	228	8838	0.06	ng	95
20) Chrysene	23.75	228	11366	0.08	ng	96
21) Indeno(1,2,3-cd)pyrene	26.84	276	5810	0.03	ng	94
23) Benzo(b)fluoranthene	24.97	252	1034	0.03	ng	# 87
24) Benzo(k)fluoranthene	25.00	252	2102	0.05	ng	# 94
25) Benzo(a)pyrene	25.34	252	1165	0.04	ng	# 83
26) Dibenzo(a,h)anthracene	26.87	278	902	0.02	ng	# 65
27) Benzo(g,h,i)perylene	27.27	276	7423	0.05	ng	# 88

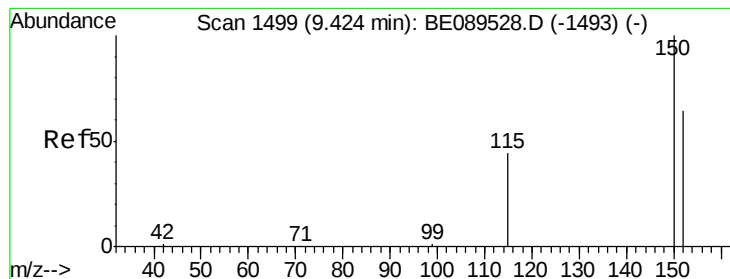
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

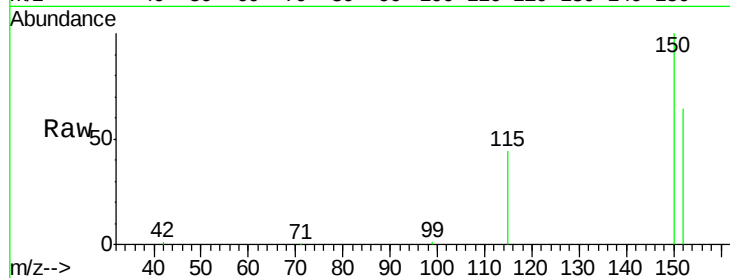
Tgt Ion:152 Resp: 46639

Ion Ratio Lower Upper

152 100

150 156.2 125.7 188.5

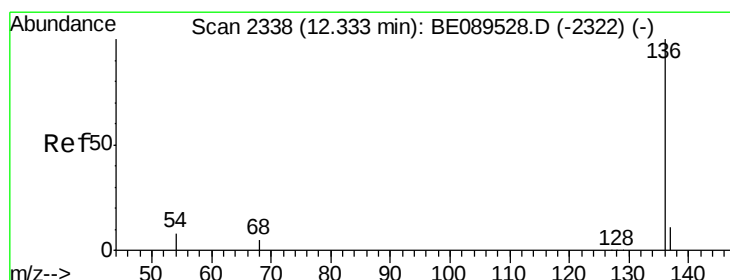
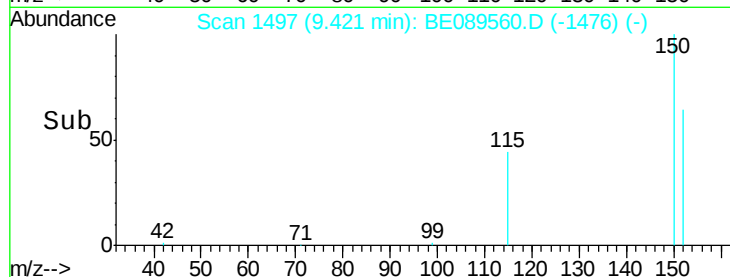
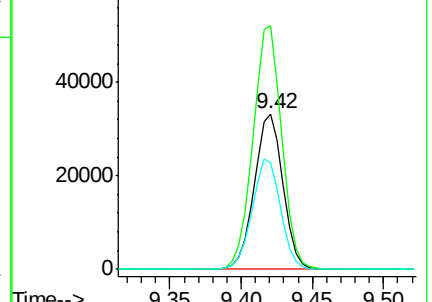
115 68.4 55.6 83.4



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: 12.33 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

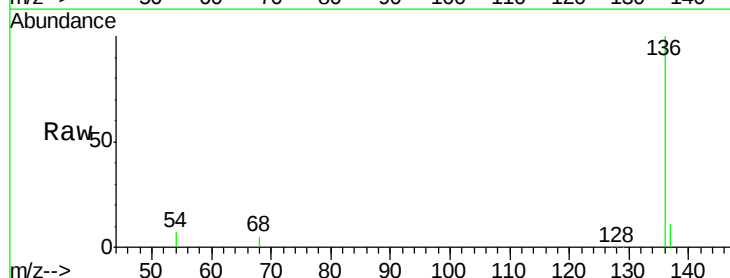
Tgt Ion:136 Resp: 176747

Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

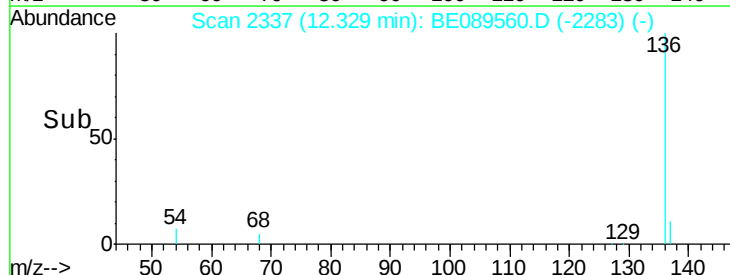
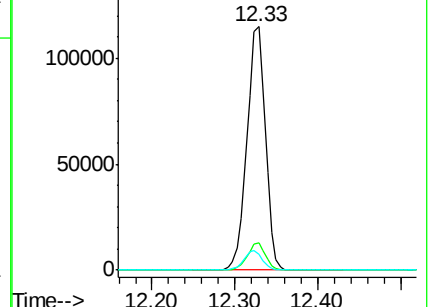
54 6.7 6.1 9.1

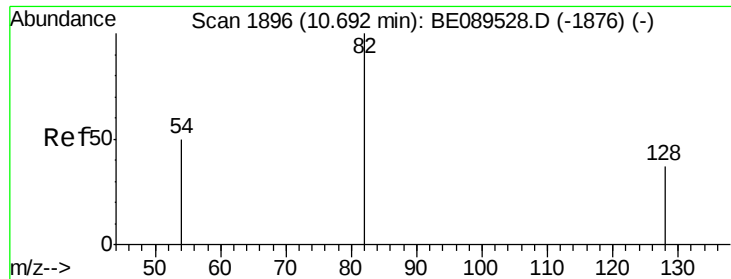


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 9.14 ng

RT: 10.69 min Scan# 1893

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

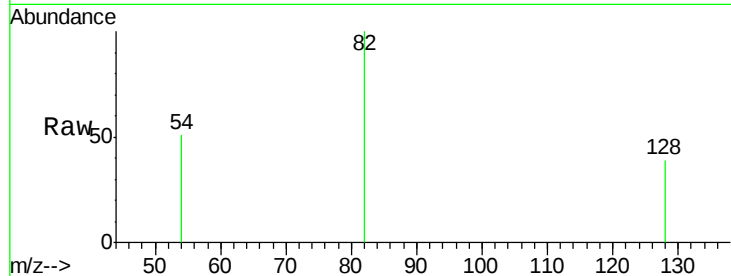
Tgt Ion: 82 Resp: 107286

Ion Ratio Lower Upper

82 100

128 39.3 30.2 45.4

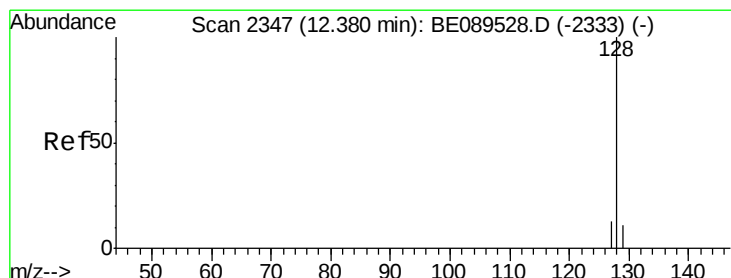
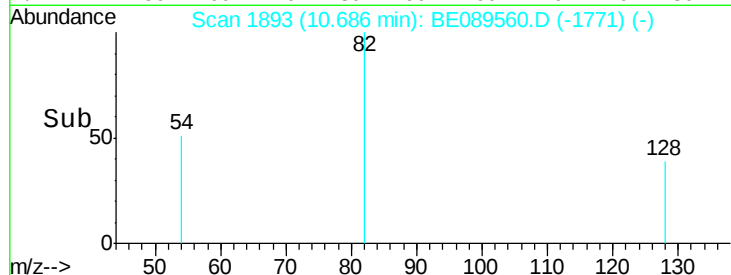
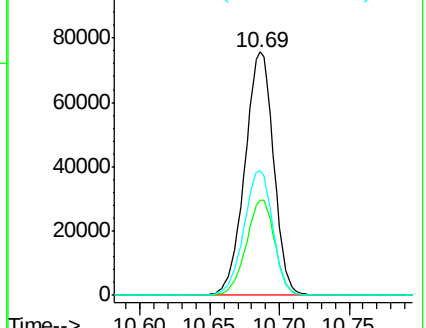
54 51.3 40.6 60.8



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: 0.08 ng

RT: 12.37 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

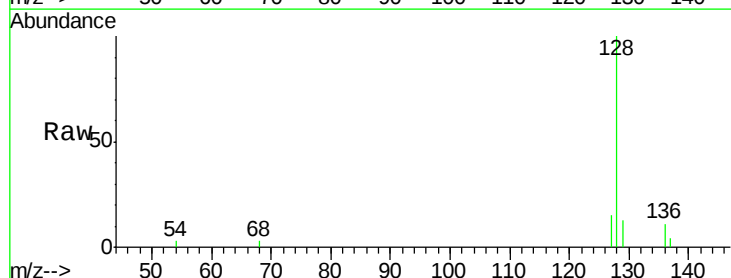
Tgt Ion: 128 Resp: 3040

Ion Ratio Lower Upper

128 100

129 12.9 9.1 13.7

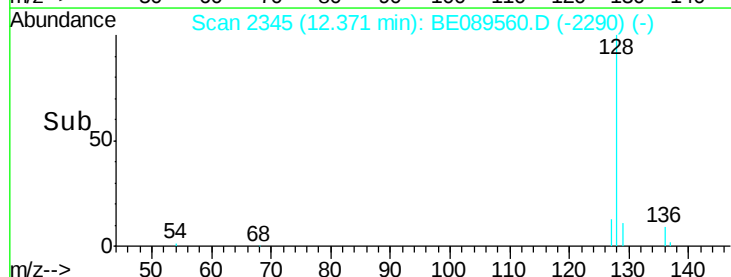
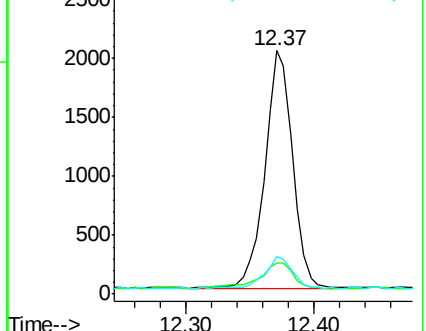
127 15.5 10.5 15.7

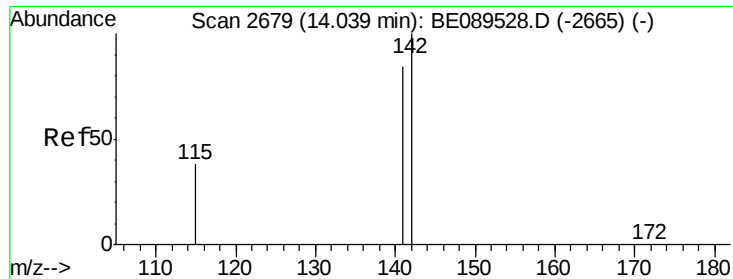


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.07 ng

RT: 14.03 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

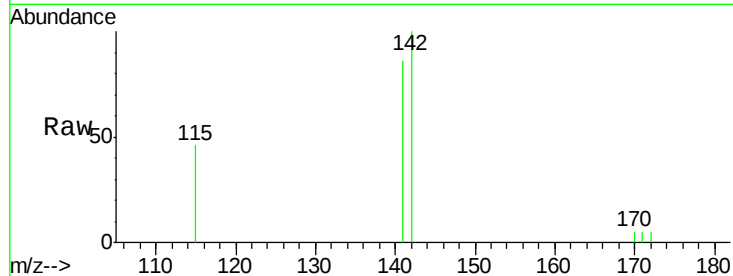
Tgt Ion:142 Resp: 1555

Ion Ratio Lower Upper

142 100

141 85.6 67.0 100.6

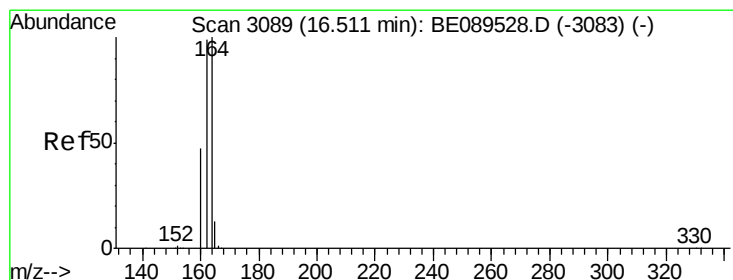
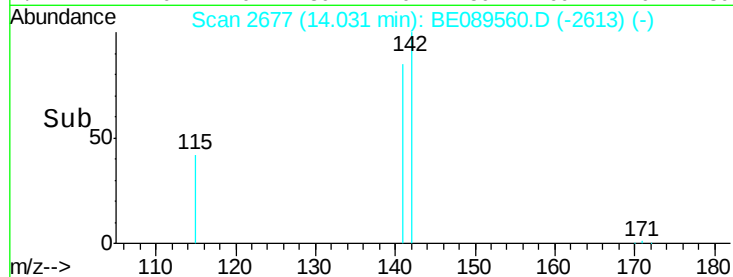
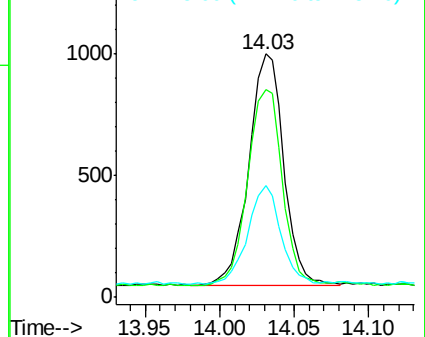
115 45.7 30.6 45.8



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: 16.51 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

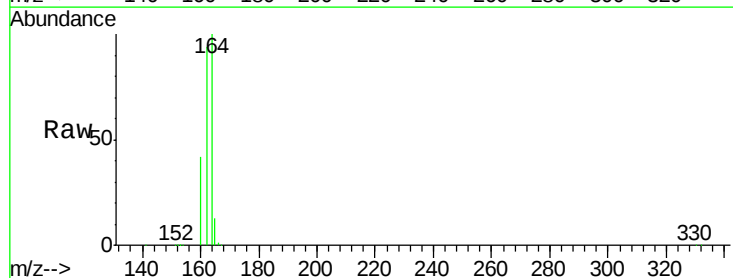
Tgt Ion:164 Resp: 80292

Ion Ratio Lower Upper

164 100

162 93.9 79.5 119.3

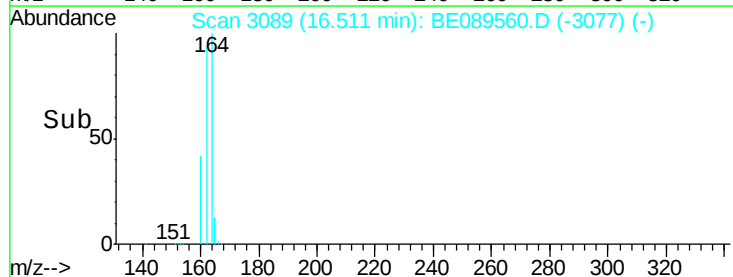
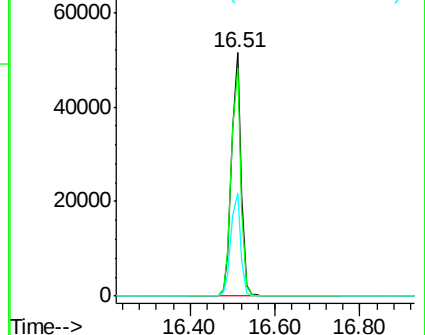
160 42.2 37.6 56.4

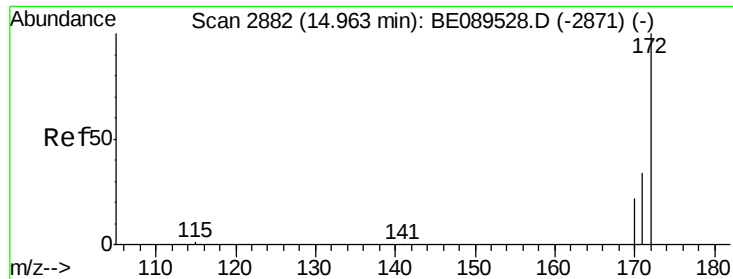


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 7.63 ng

RT: 14.96 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

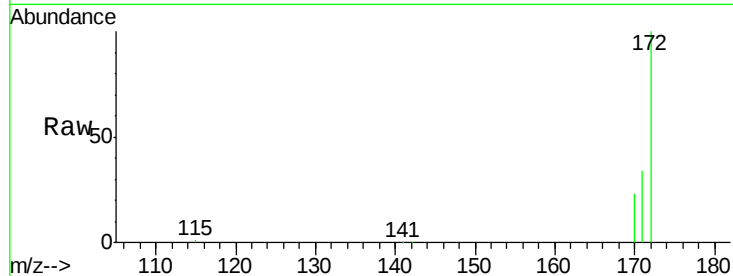
Tgt Ion:172 Resp: 163414

Ion Ratio Lower Upper

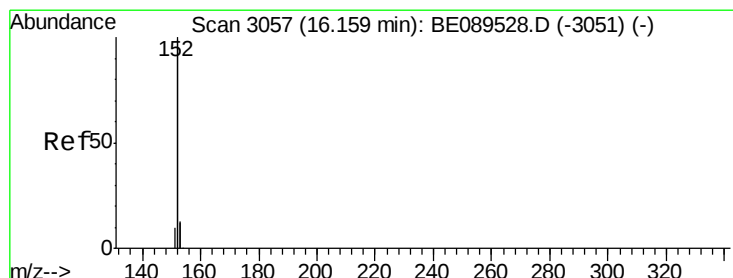
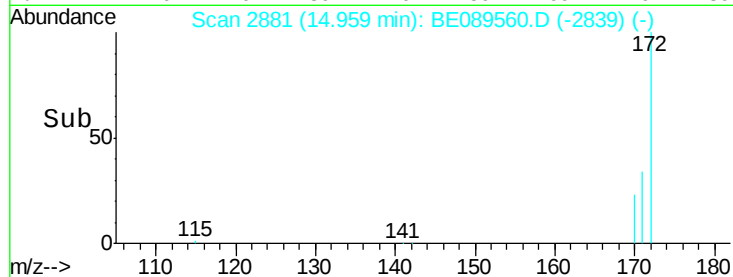
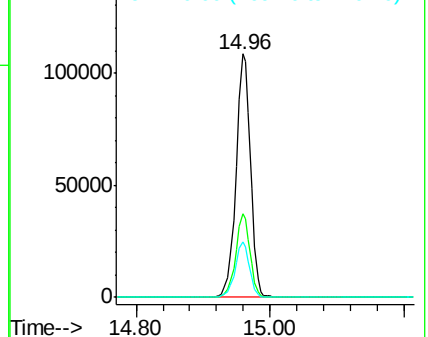
172 100

171 34.4 27.7 41.5

170 22.9 18.3 27.5



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#8

Acenaphthylene

Concen: 0.06 ng

RT: 16.16 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

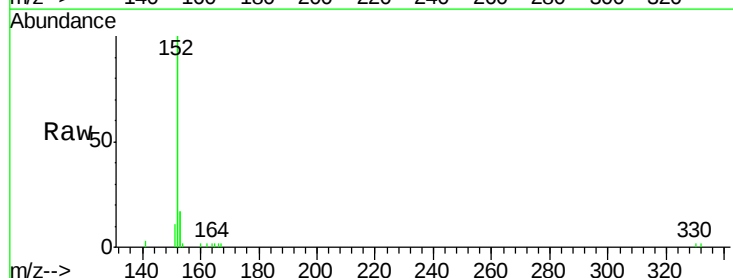
Tgt Ion:152 Resp: 7665

Ion Ratio Lower Upper

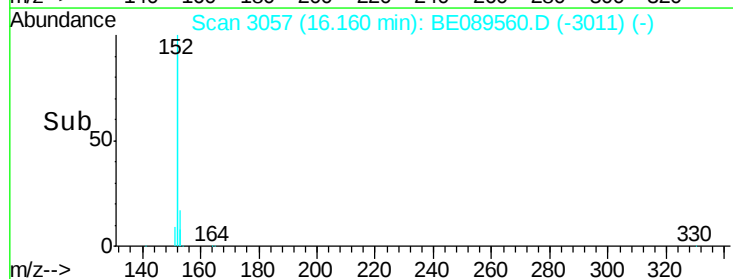
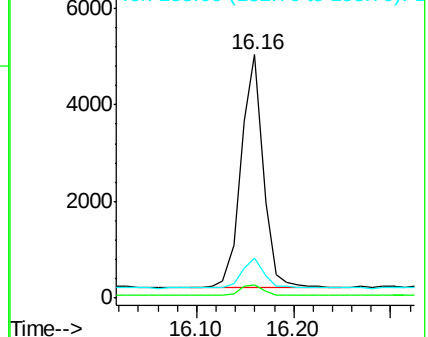
152 100

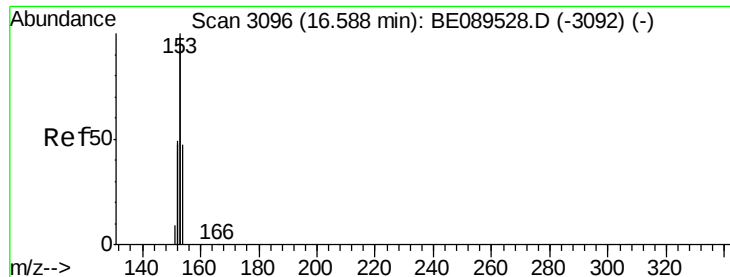
151 5.1 4.0 6.0

153 13.1 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.06 ng

RT: 16.58 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

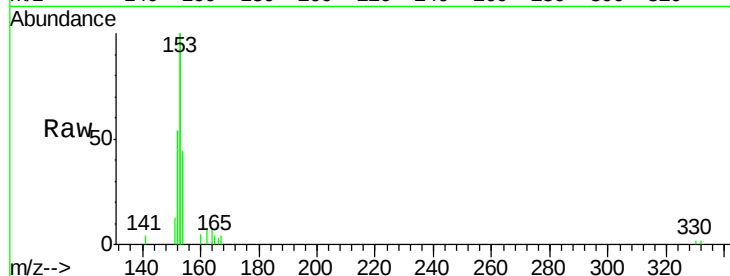
Tgt Ion:154 Resp: 1386

Ion Ratio Lower Upper

154 100

153 437.5 340.8 511.2

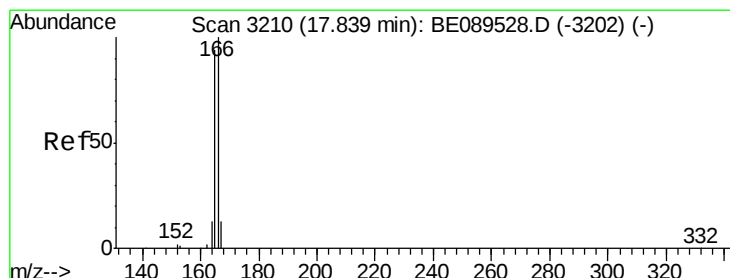
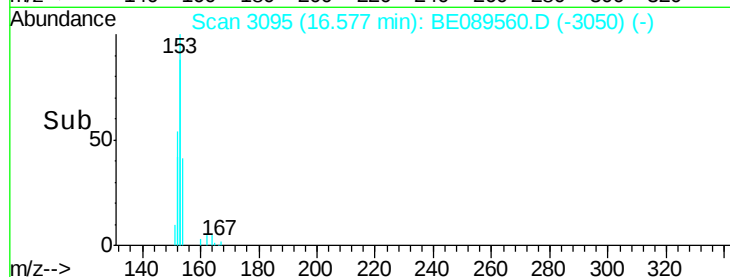
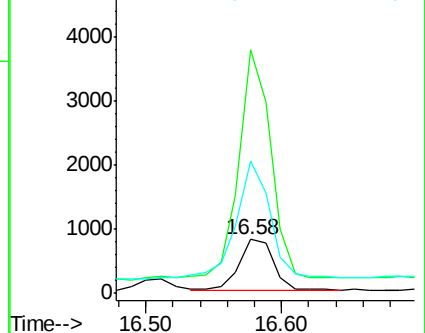
152 242.4 165.5 248.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#10

Fluorene

Concen: 0.06 ng

RT: 17.83 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

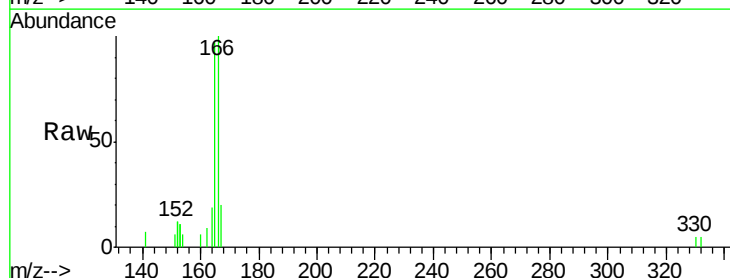
Tgt Ion:166 Resp: 1473

Ion Ratio Lower Upper

166 100

165 91.8 75.5 113.3

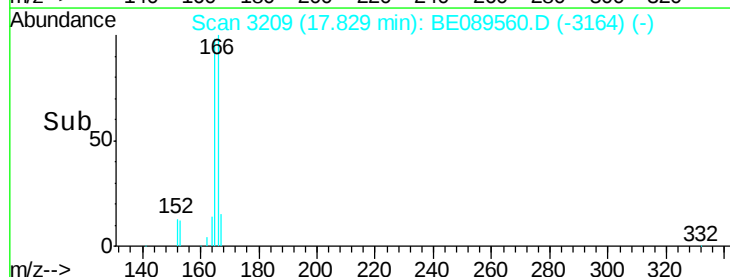
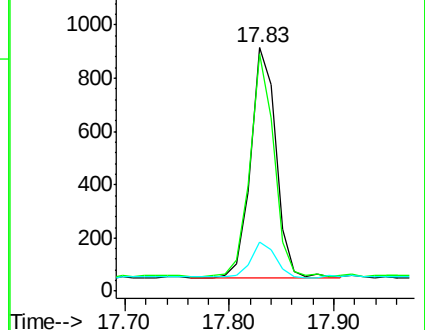
167 14.5 10.9 16.3

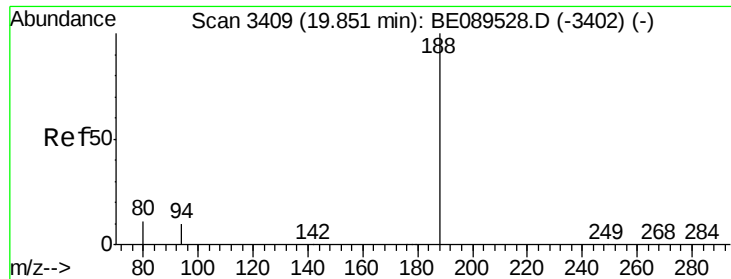


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

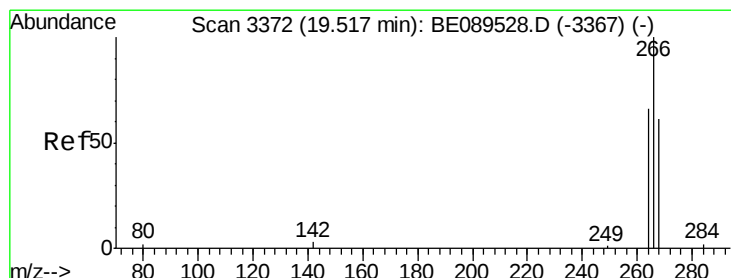
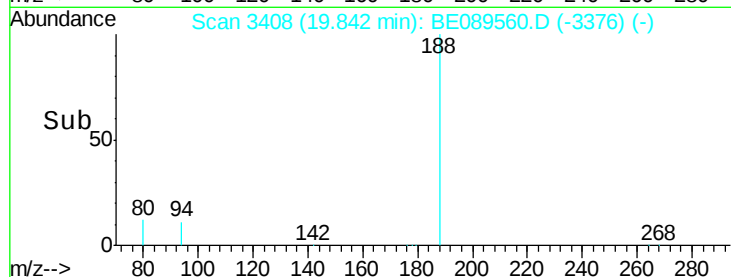
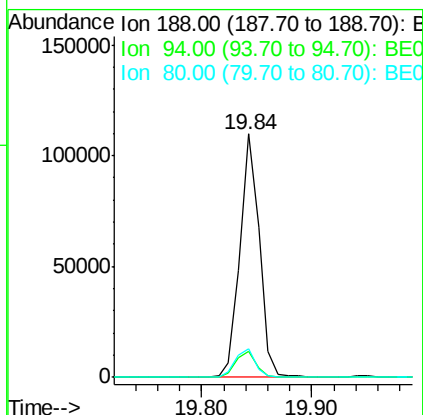
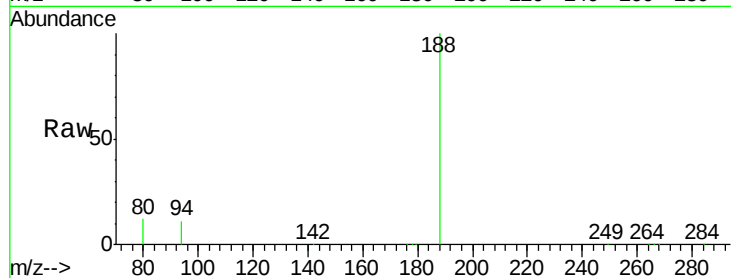




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3408
Delta R.T. -0.01 min
Lab File: BE089560.D
Acq: 7 Feb 2015 15:14

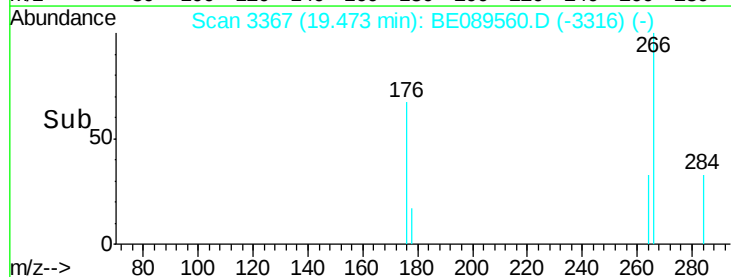
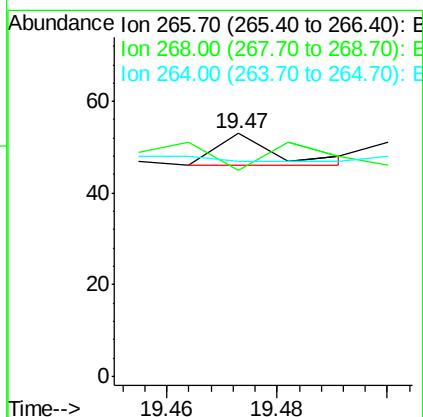
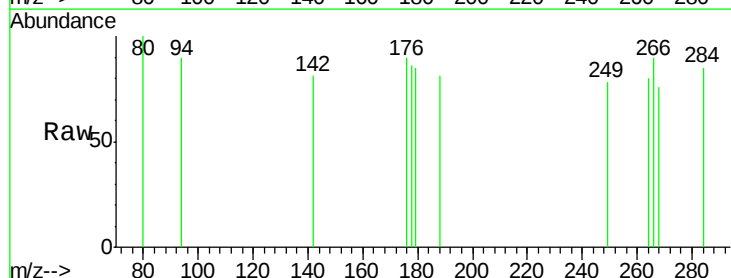
Instrument :
BNA_E
ClientSampleId :
SSTDICV001

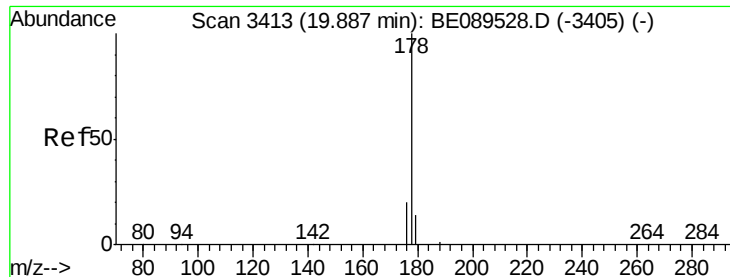
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.4	12.6
80	11.6	8.6	12.8



#12
Pentachlorophenol
Concen: 0.54 ng
RT: 19.47 min Scan# 3367
Delta R.T. -0.04 min
Lab File: BE089560.D
Acq: 7 Feb 2015 15:14

Tgt Ion	Ratio	Lower	Upper
266	100		
268	84.9	57.9	86.9
264	88.7	60.2	90.4





#13

Phenanthrene

Concen: 0.08 ng

RT: 19.89 min Scan# 3413

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

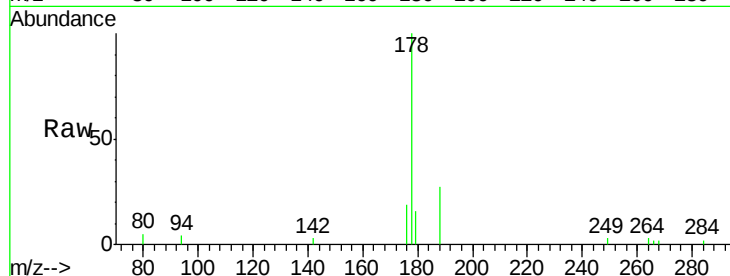
Tgt Ion:178 Resp: 2520

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

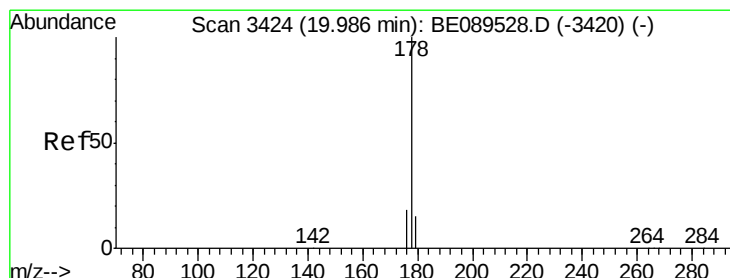
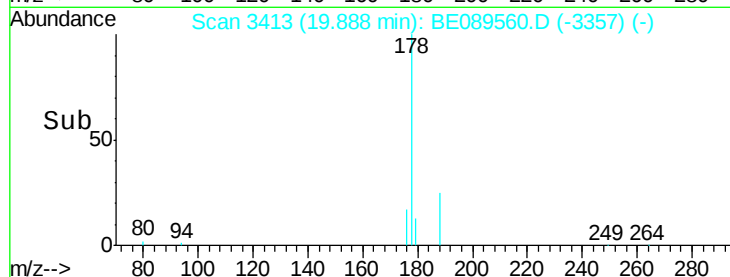
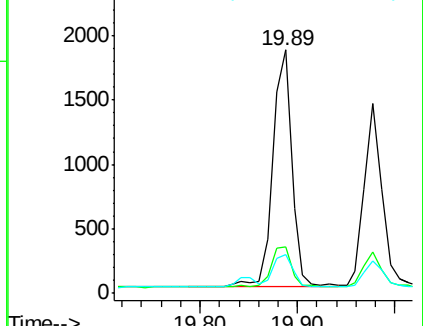
179 14.6 12.2 18.2



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



#14

Anthracene

Concen: 0.06 ng

RT: 19.98 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

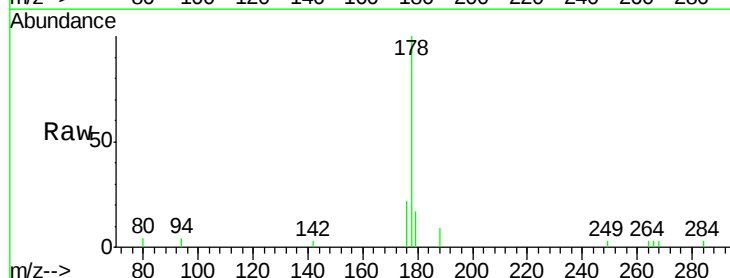
Tgt Ion:178 Resp: 1822

Ion Ratio Lower Upper

178 100

176 20.2 14.5 21.7

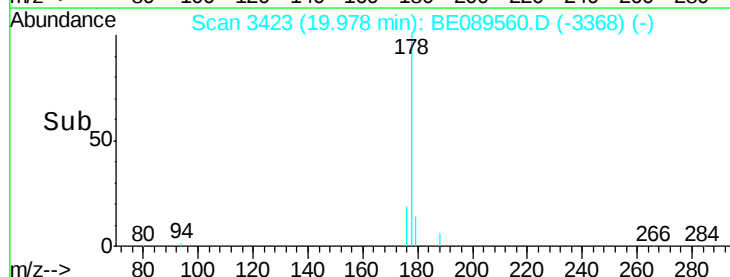
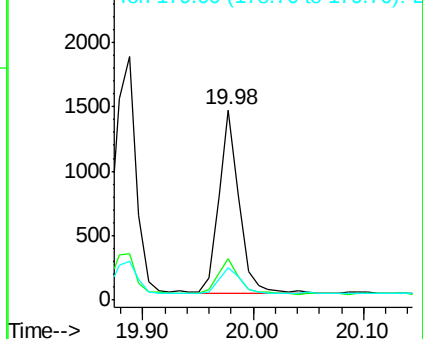
179 15.6 12.2 18.2

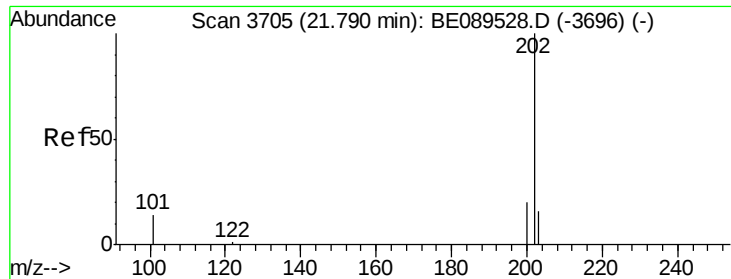


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

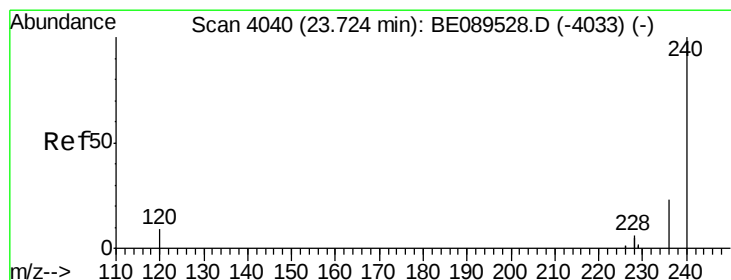
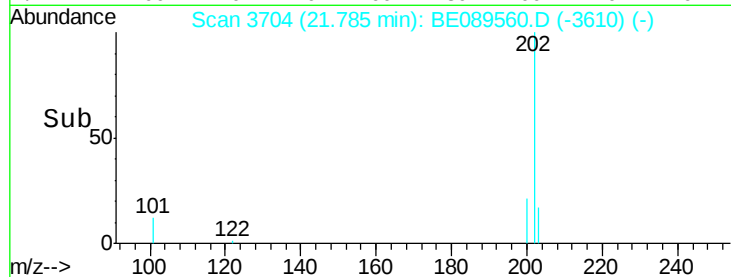
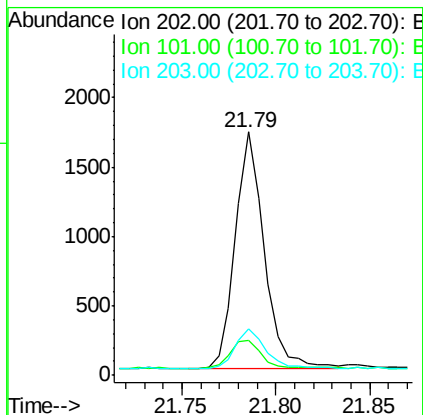
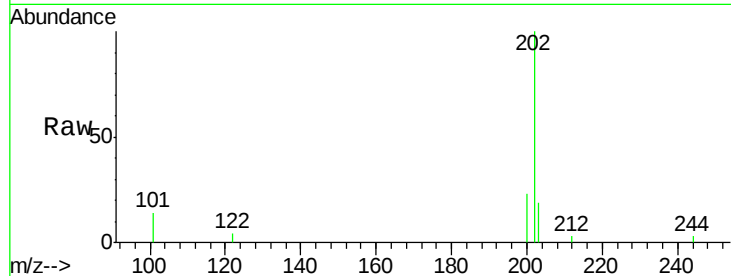




#15
 Fluoranthene
 Concen: 0.06 ng
 RT: 21.79 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BE089560.D
 Acq: 7 Feb 2015 15:14

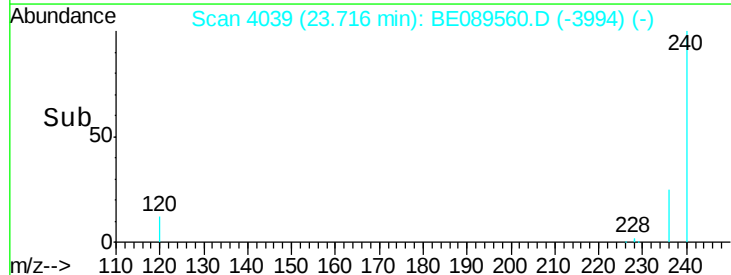
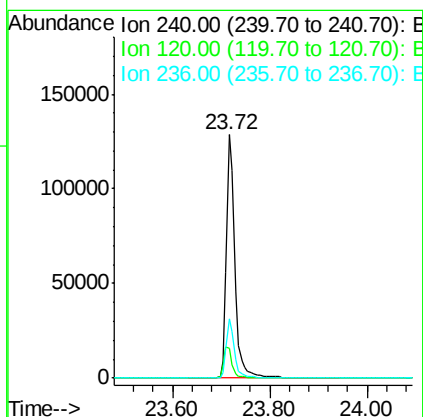
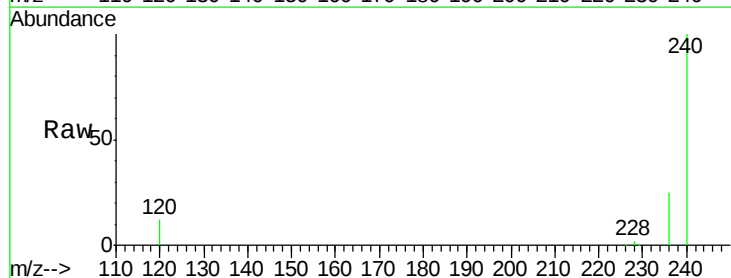
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICV001

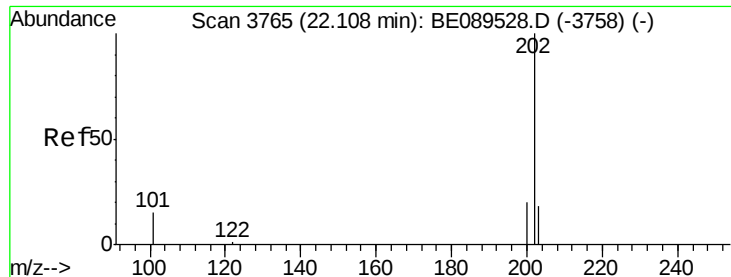
Tgt Ion: 202 Resp: 1838
 Ion Ratio Lower Upper
 202 100
 101 12.7 11.6 17.4
 203 17.7 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4039
 Delta R.T. -0.01 min
 Lab File: BE089560.D
 Acq: 7 Feb 2015 15:14

Tgt Ion: 240 Resp: 153997
 Ion Ratio Lower Upper
 240 100
 120 12.3 7.2 10.8#
 236 24.6 18.5 27.7





#17

Pyrene

Concen: 0.06 ng

RT: 22.10 min Scan# 3763

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

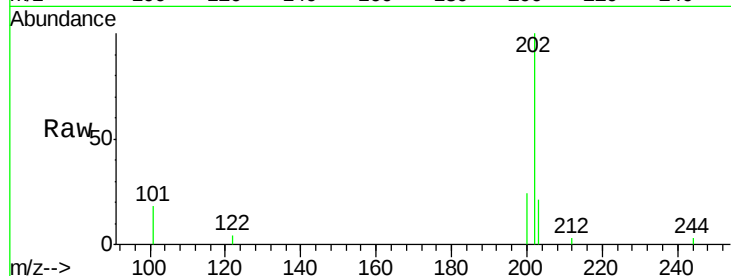
Tgt Ion:202 Resp: 2058

Ion Ratio Lower Upper

202 100

200 21.5 16.3 24.5

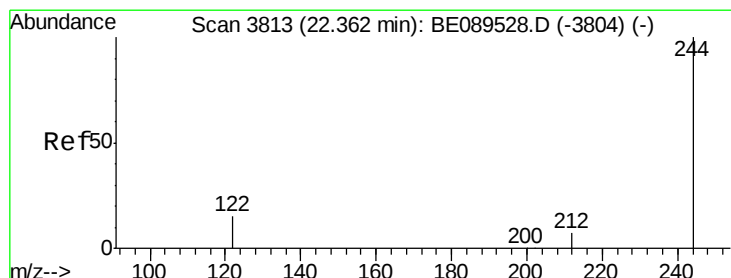
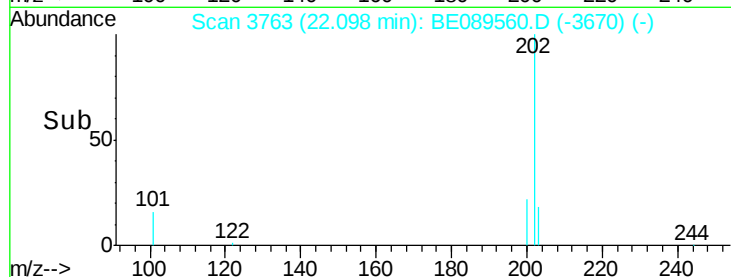
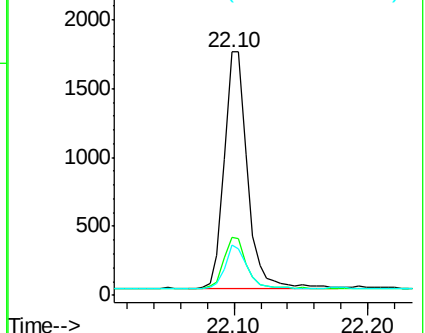
203 18.1 13.5 20.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#18

Terphenyl-d14

Concen: 8.85 ng

RT: 22.36 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

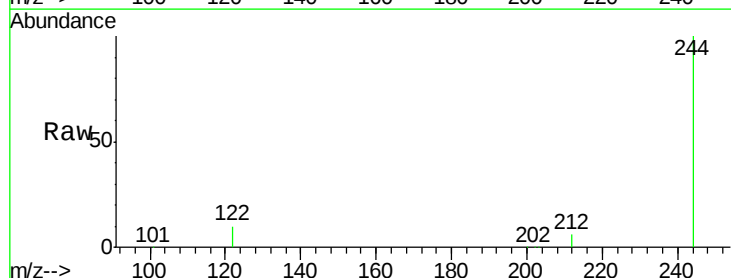
Tgt Ion:244 Resp: 179691

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

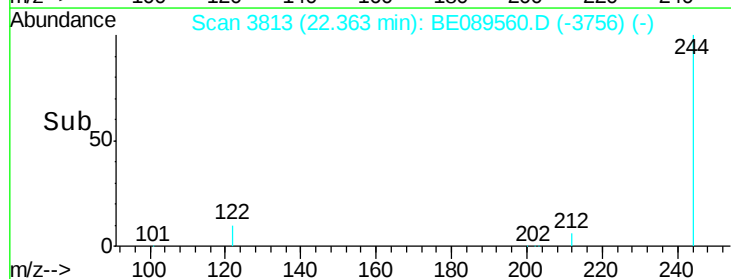
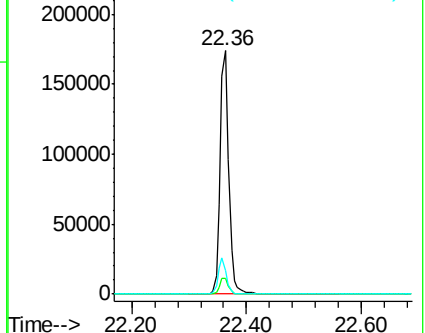
122 9.8 12.6 19.0#

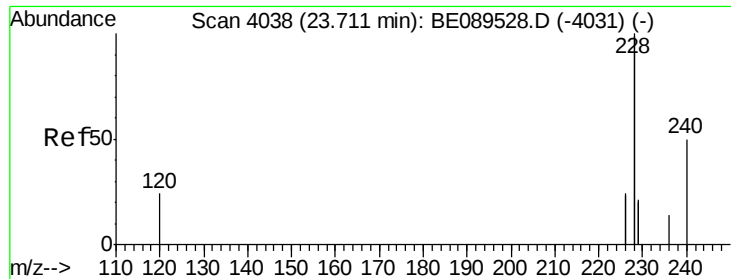


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.06 ng

RT: 23.71 min Scan# 4038

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

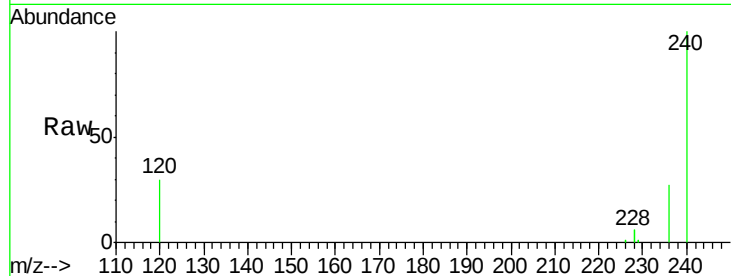
Tgt Ion:228 Resp: 8838

Ion Ratio Lower Upper

228 100

226 24.9 19.0 28.4

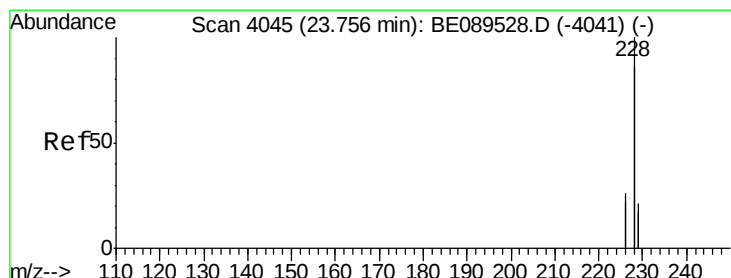
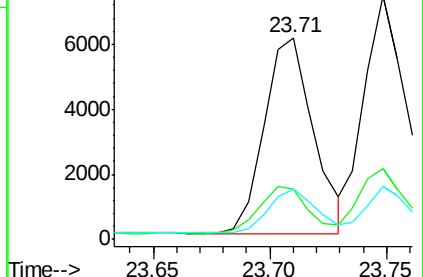
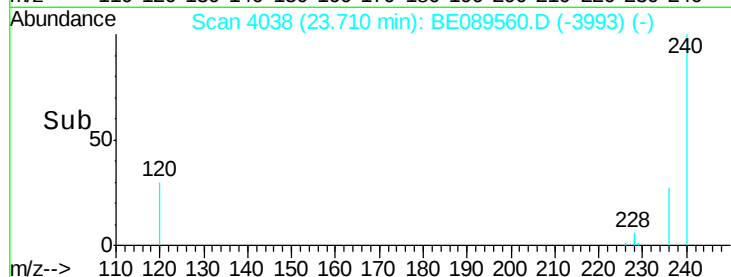
229 24.9 16.8 25.2



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: 23.75 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

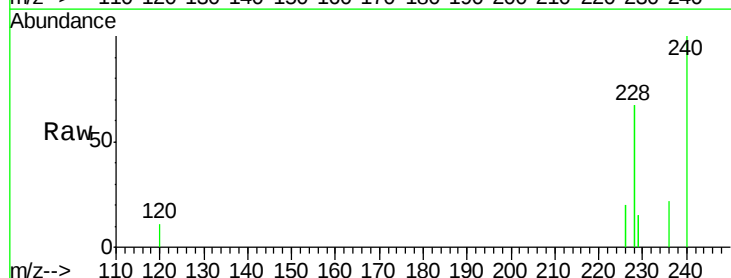
Tgt Ion:228 Resp: 11366

Ion Ratio Lower Upper

228 100

226 29.1 21.0 31.4

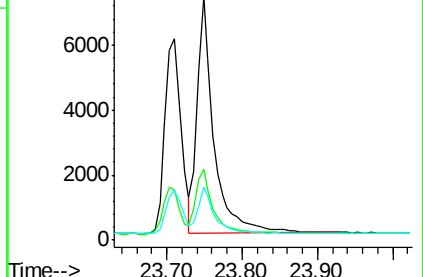
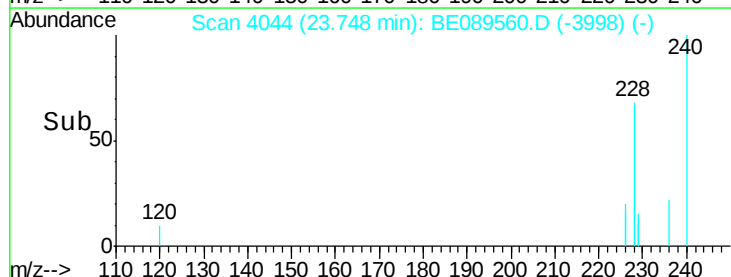
229 21.8 16.7 25.1

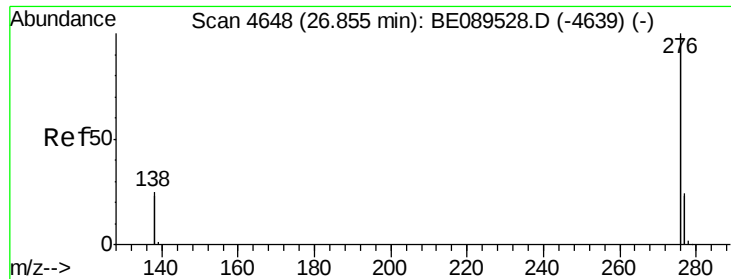


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

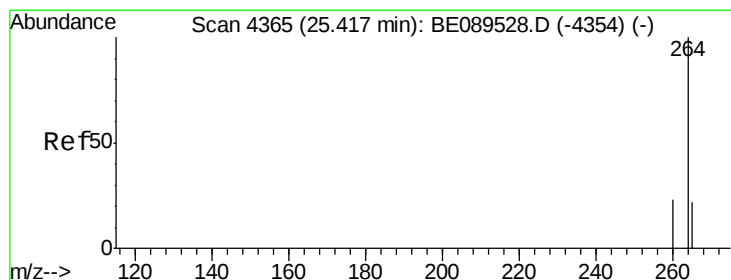
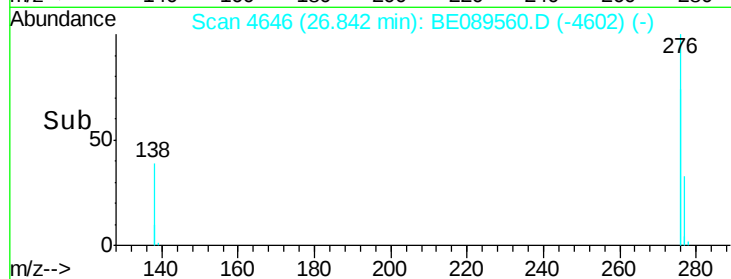
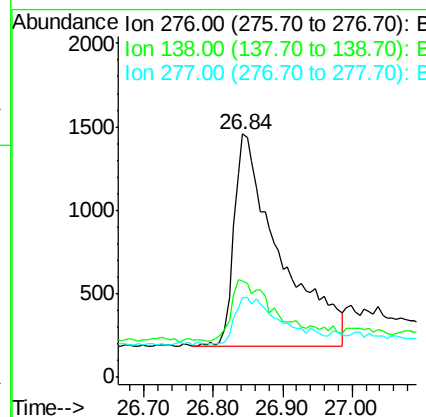
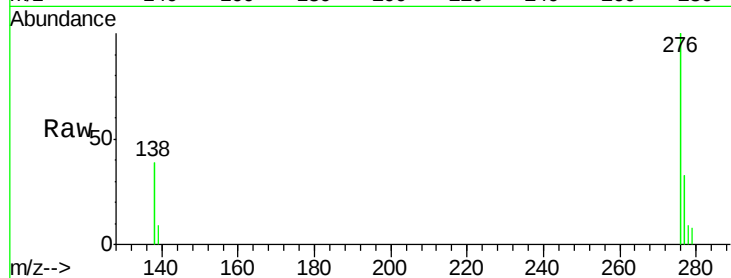




#21
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 26.84 min Scan# 4646
Delta R.T. -0.01 min
Lab File: BE089560.D
Acq: 7 Feb 2015 15:14

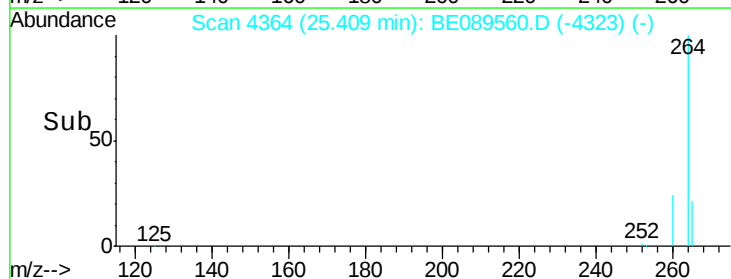
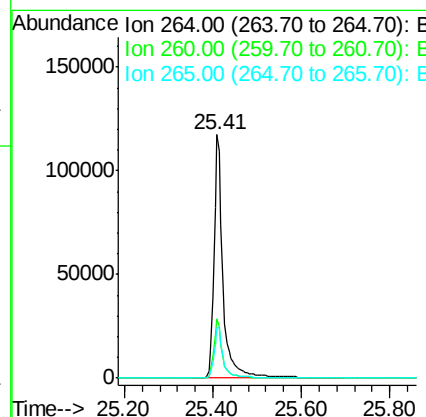
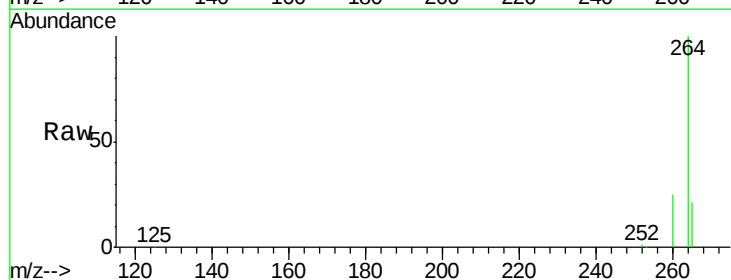
Instrument :
BNA_E
ClientSampleId :
SSTDICV001

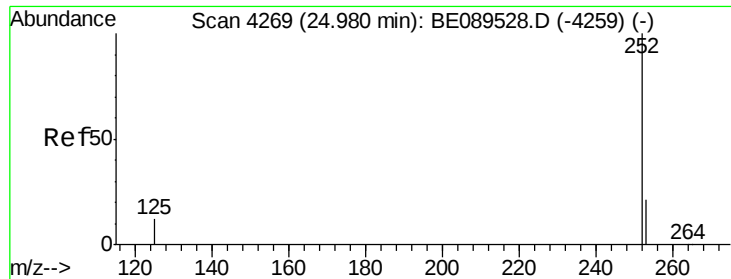
Tgt Ion: 276 Resp: 5810
Ion Ratio Lower Upper
276 100
138 26.5 23.0 34.4
277 20.4 19.9 29.9



#22
Perylene-d12
Concen: 5.00 ng
RT: 25.41 min Scan# 4364
Delta R.T. -0.01 min
Lab File: BE089560.D
Acq: 7 Feb 2015 15:14

Tgt Ion: 264 Resp: 167276
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 20.9 17.5 26.3





#23

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 24.97 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

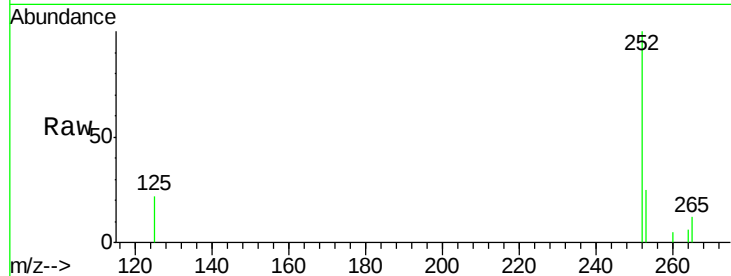
Tgt Ion:252 Resp: 1034

Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.0

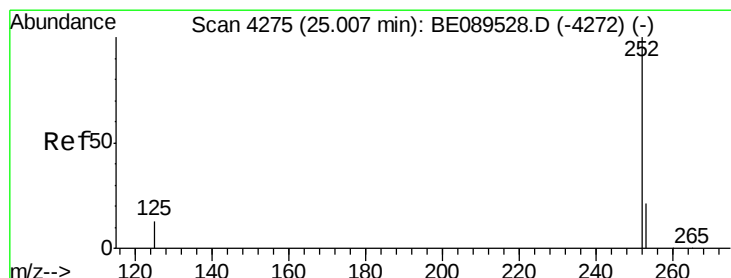
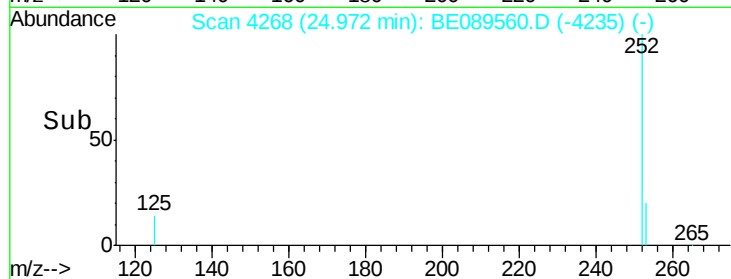
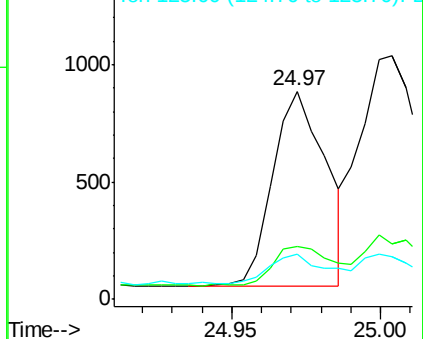
125 21.9 10.4 15.6#



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: 0.05 ng

RT: 25.00 min Scan# 4275

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

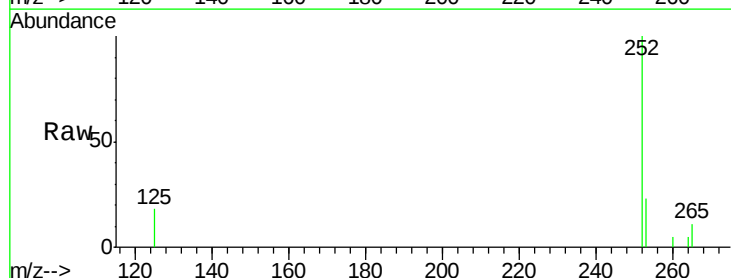
Tgt Ion:252 Resp: 2102

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

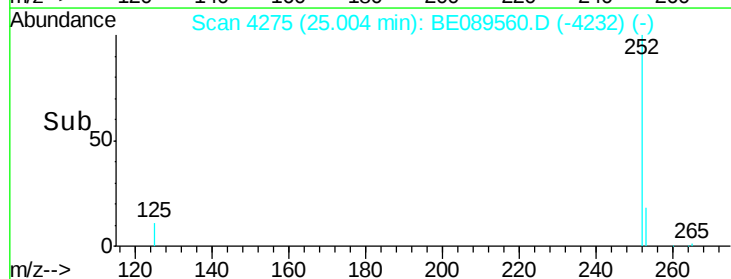
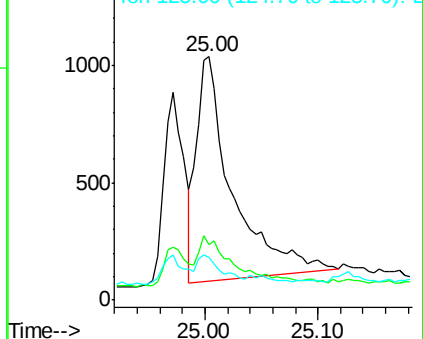
125 17.6 10.6 15.8#

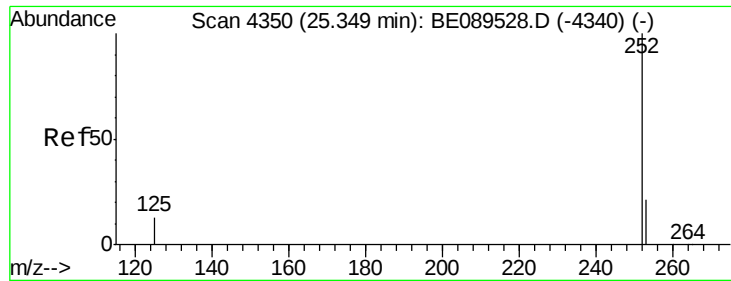


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.04 ng

RT: 25.34 min Scan# 4349

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

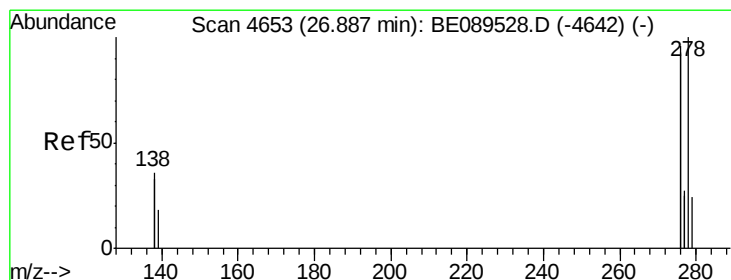
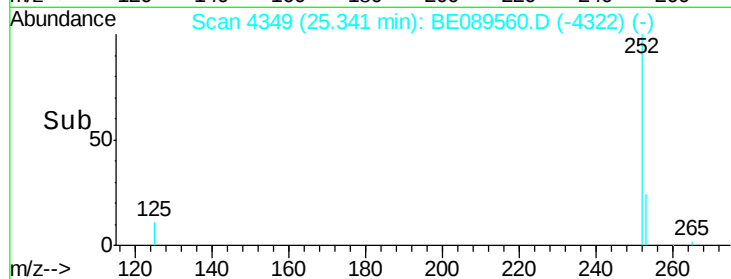
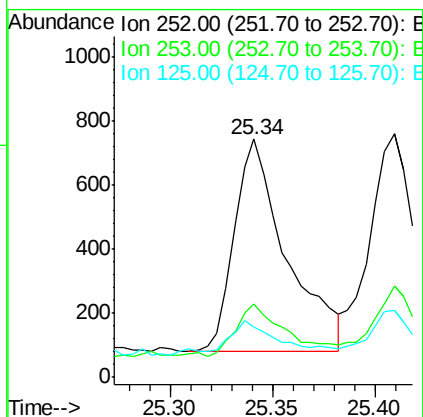
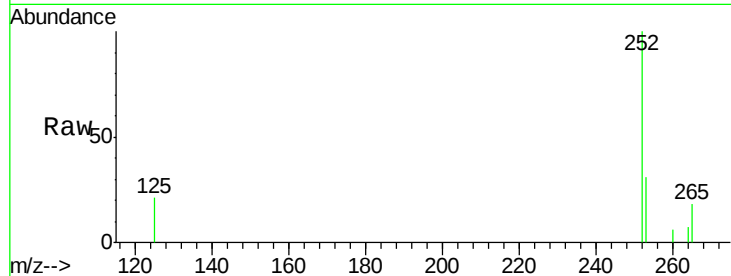
Tgt Ion:252 Resp: 1165

Ion Ratio Lower Upper

252 100

253 30.6 17.8 26.6#

125 21.0 11.4 17.2#



#26

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.87 min Scan# 4651

Delta R.T. -0.01 min

Lab File: BE089560.D

Acq: 7 Feb 2015 15:14

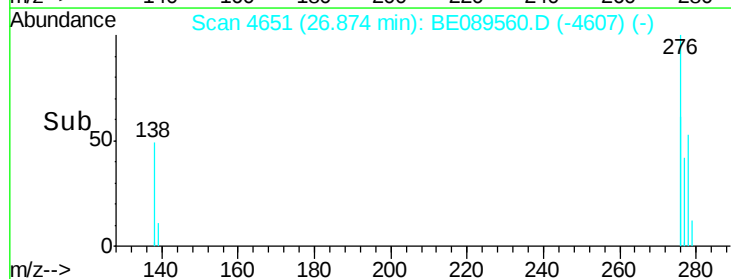
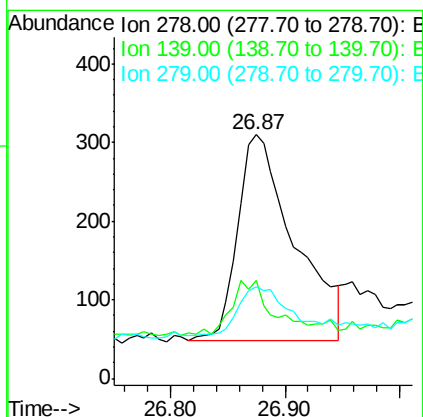
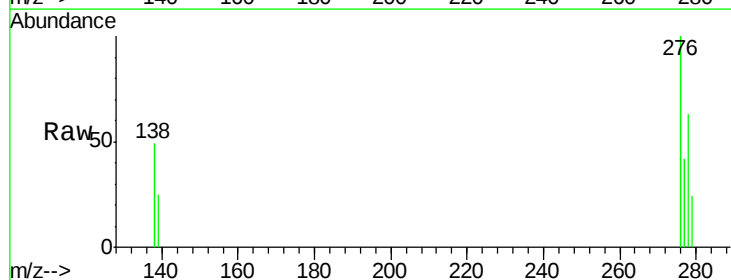
Tgt Ion:278 Resp: 902

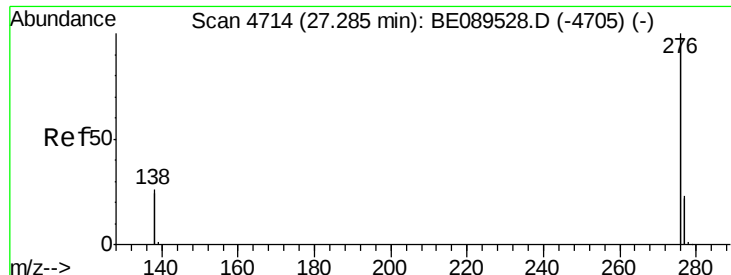
Ion Ratio Lower Upper

278 100

139 40.0 15.7 23.5#

279 37.7 19.5 29.3#





#27

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 27.27 min Scan# 4712

Delta R.T. -0.01 min

Lab File: BE089560.D

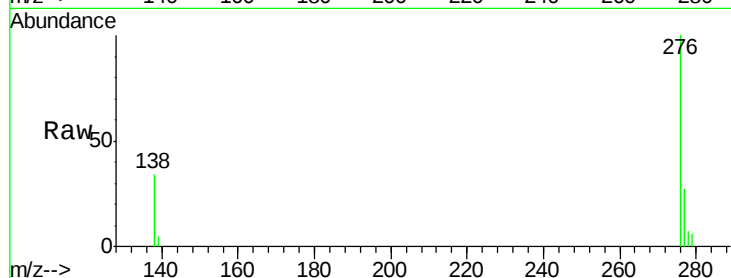
Acq: 7 Feb 2015 15:14

Instrument :

BNA_E

ClientSampleId :

SSTDICV001



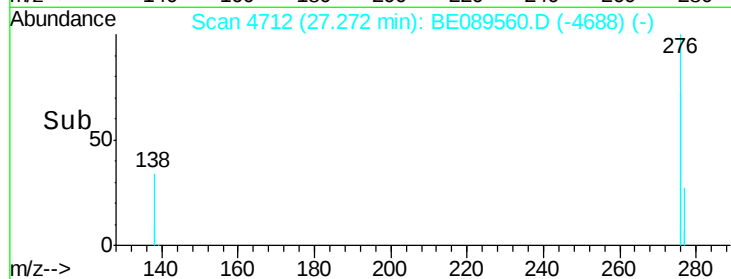
Tgt Ion: 276 Resp: 7423

Ion Ratio Lower Upper

276 100

277 27.4 18.6 27.8

138 34.1 20.9 31.3#



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

