

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089526.D
 Acq On : 6 Feb 2015 13:49
 Operator : TP/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

Quant Time: Feb 07 03:34:16 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 03:25:41 2015
 Response via : Initial Calibration

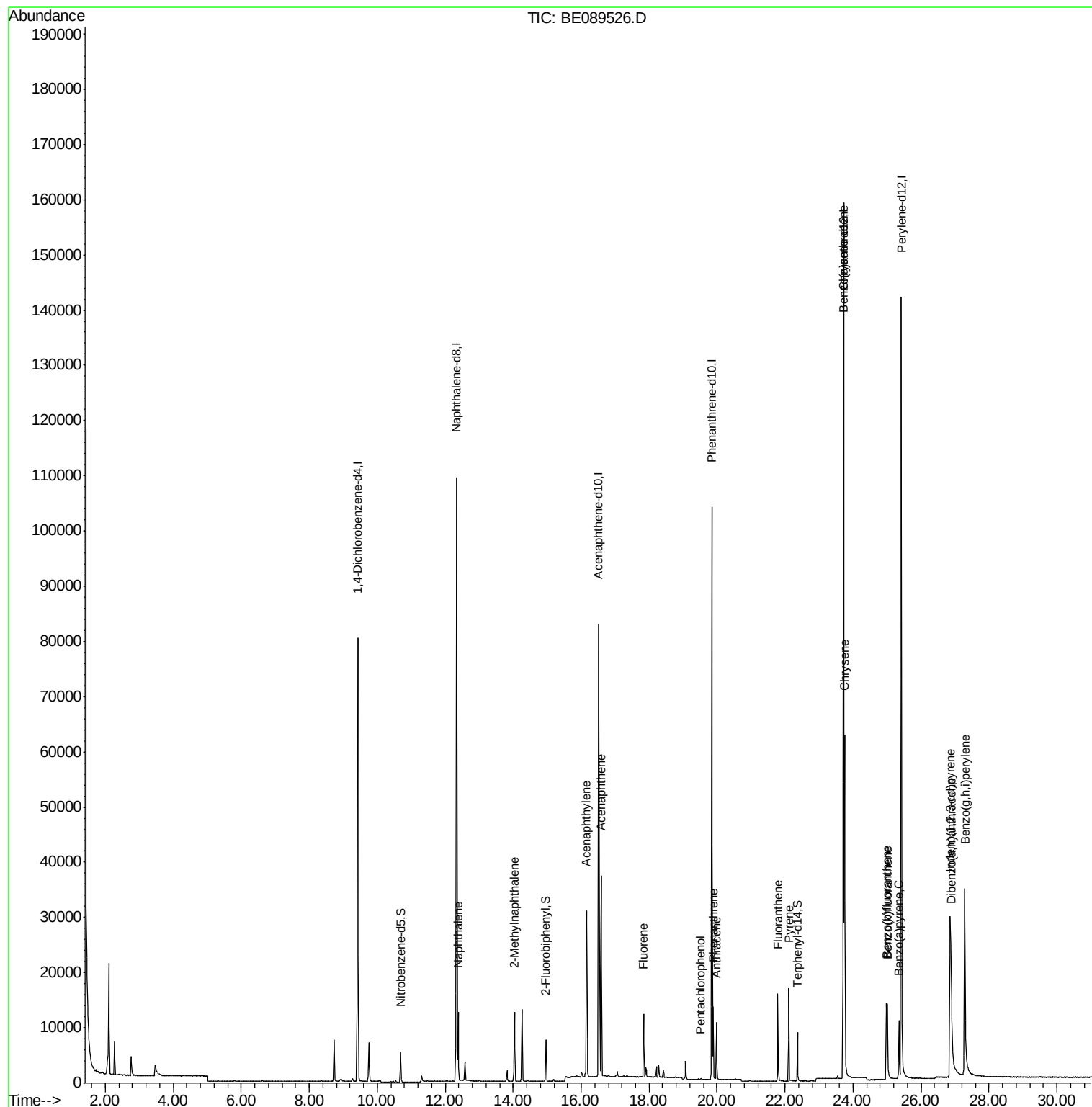
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	33675	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	129978	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	54181	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	100064	5.00	ng	0.00
16) Chrysene-d12	23.72	240	112587	5.00	ng	0.00
22) Perylene-d12	25.42	264	122592	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	4103	0.45	ng	0.00
7) 2-Fluorobiphenyl	14.97	172	7037	0.41	ng	0.00
18) Terphenyl-d14	22.36	244	7350	0.37	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.38	128	14678	0.46	ng	99
5) 2-Methylnaphthalene	14.04	142	8301	0.41	ng	99
8) Acenaphthylene	16.16	152	43572	0.38	ng	100
9) Acenaphthene	16.59	154	7090	0.40	ng	97
10) Fluorene	17.84	166	7702	0.39	ng	98
12) Pentachlorophenol	19.53	266	167	0.22	ng	94
13) Phenanthrene	19.89	178	12151	0.40	ng	99
14) Anthracene	19.99	178	9827	0.36	ng	100
15) Fluoranthene	21.79	202	11135	0.40	ng	100
17) Pyrene	22.11	202	11743	0.34	ng	99
19) Benzo(a)anthracene	23.71	228	47693	0.39	ng	98
20) Chrysene	23.76	228	50477	0.40	ng	98
21) Indeno(1,2,3-cd)pyrene	26.85	276	65760	0.47	ng	99
23) Benzo(b)fluoranthene	24.98	252	11414	0.42	ng	99
24) Benzo(k)fluoranthene	25.01	252	14912	0.38	ng	98
25) Benzo(a)pyrene	25.35	252	11203	0.39	ng	99
26) Dibenzo(a,h)anthracene	26.89	278	13711	0.43	ng	98
27) Benzo(g,h,i)perylene	27.28	276	56240	0.42	ng	99

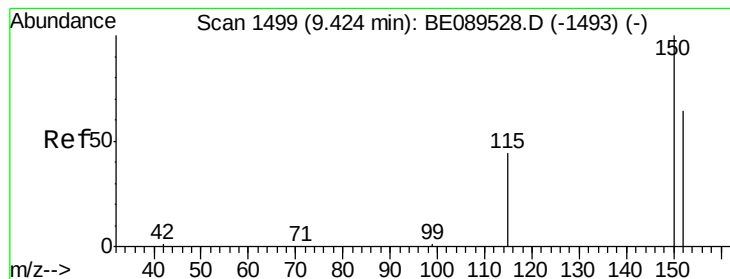
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

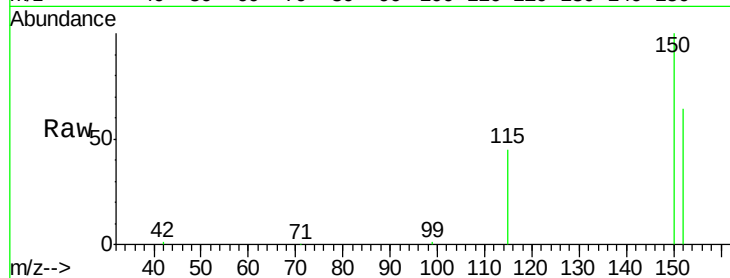
Tgt Ion:152 Resp: 33675

Ion Ratio Lower Upper

152 100

150 157.1 125.7 188.5

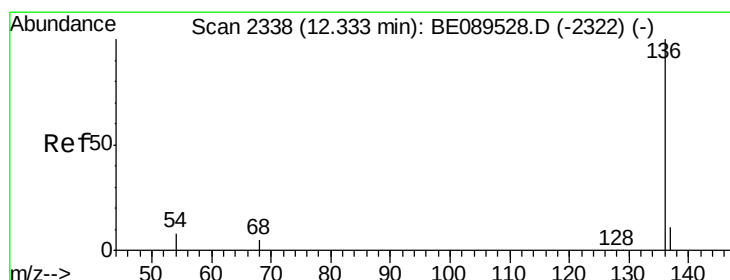
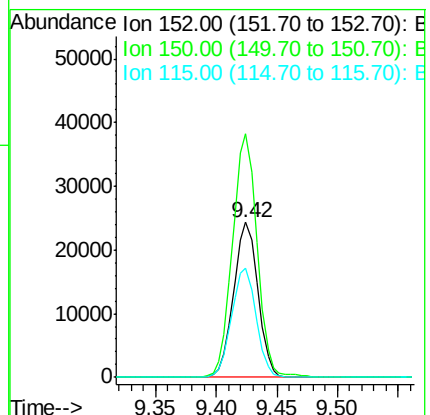
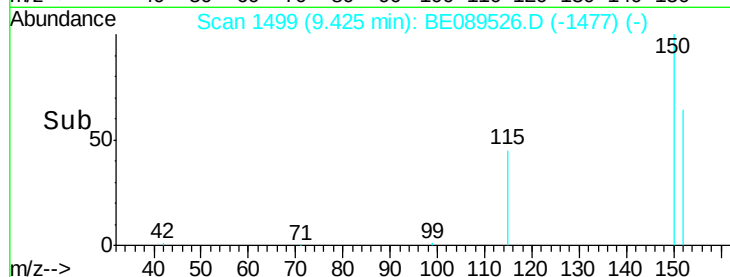
115 70.2 55.6 83.4



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# 2339

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

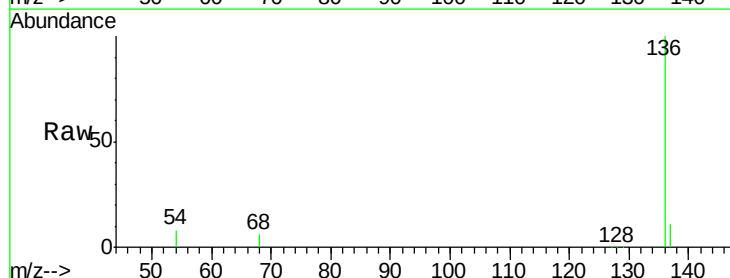
Tgt Ion:136 Resp: 129978

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

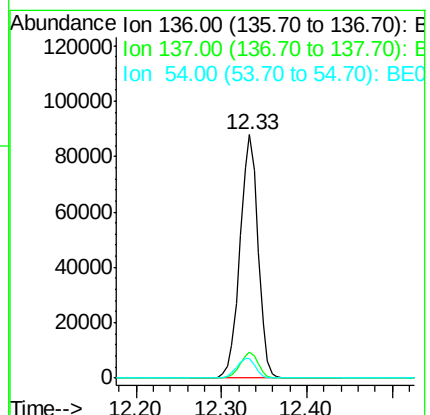
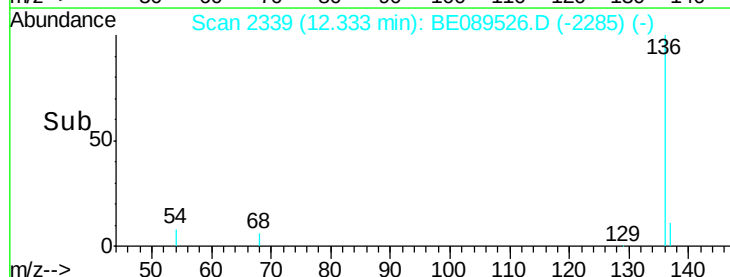
54 8.0 6.1 9.1

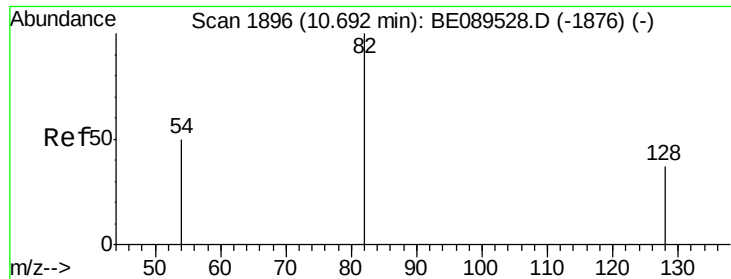


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.45 ng

RT: 10.69 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

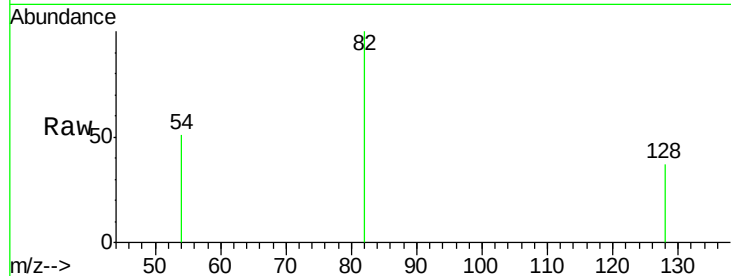
Tgt Ion: 82 Resp: 4103

Ion Ratio Lower Upper

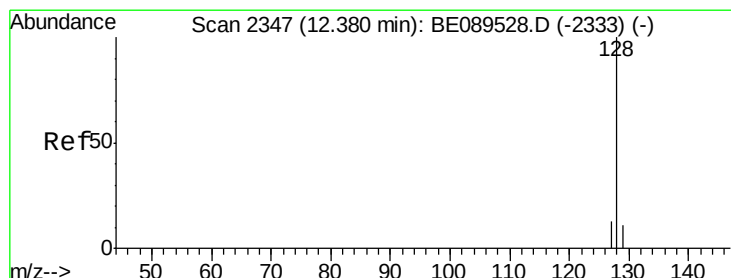
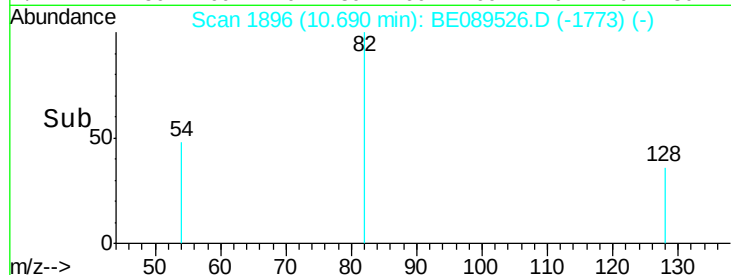
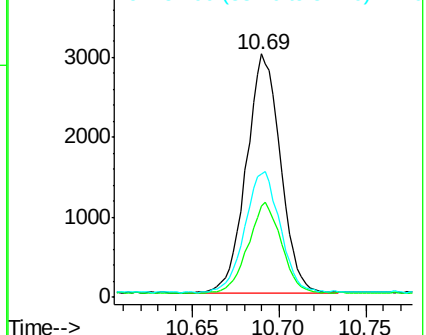
82 100

128 37.4 30.2 45.4

54 50.8 40.6 60.8



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



#4

Naphthalene

Concen: 0.46 ng

RT: 12.38 min Scan# 2348

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

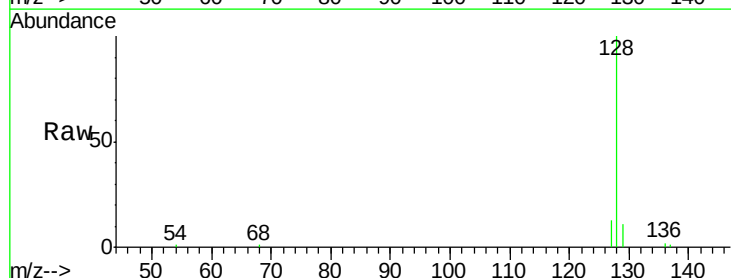
Tgt Ion: 128 Resp: 14678

Ion Ratio Lower Upper

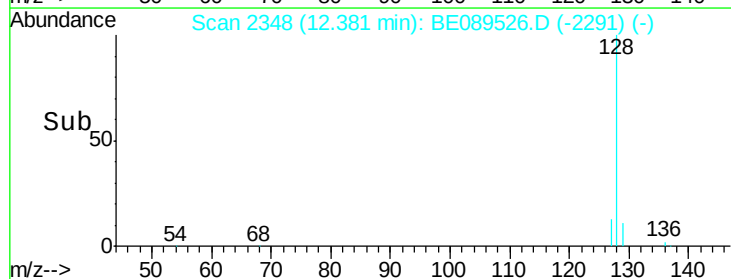
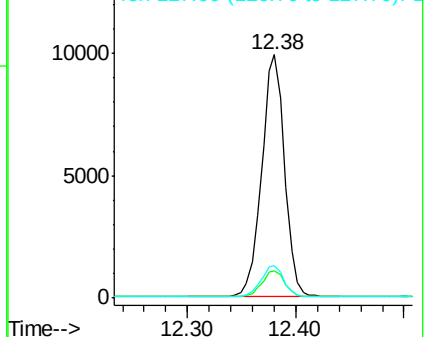
128 100

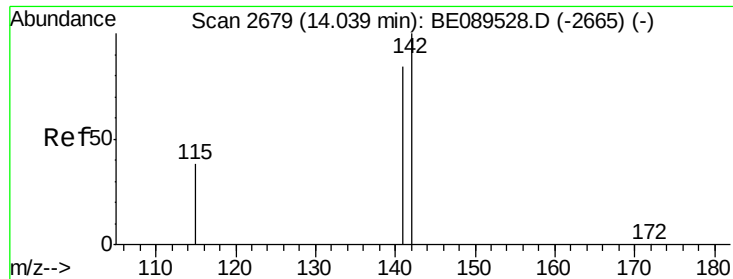
129 11.3 9.1 13.7

127 13.5 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: 0.41 ng

RT: 14.04 min Scan# 2680

Delta R.T. -0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

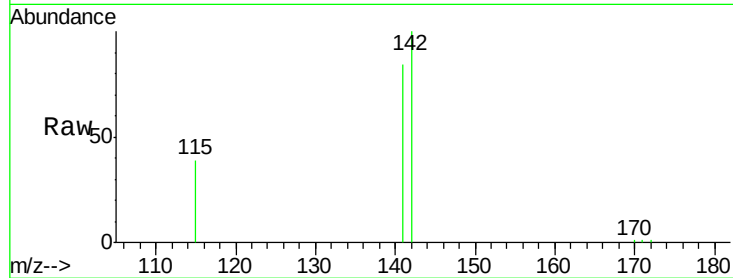
Tgt Ion:142 Resp: 8301

Ion Ratio Lower Upper

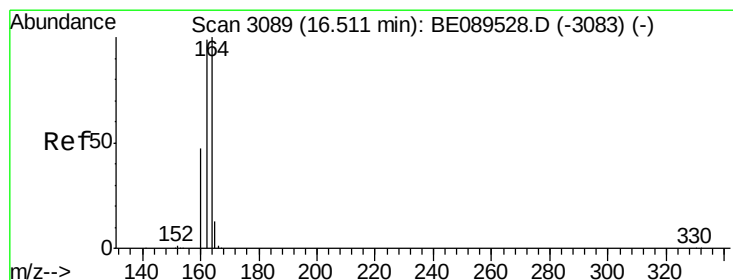
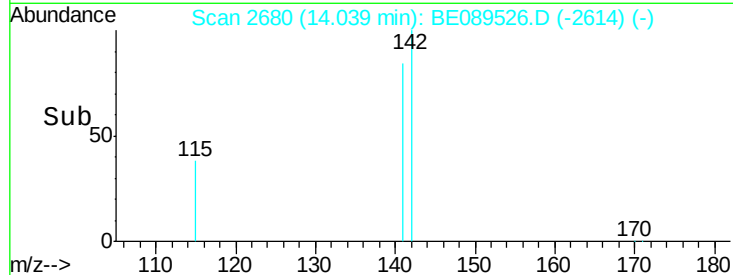
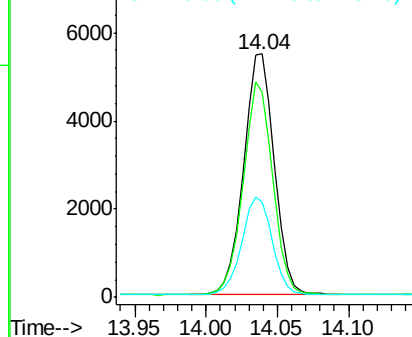
142 100

141 84.4 67.0 100.6

115 39.0 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# 3090

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

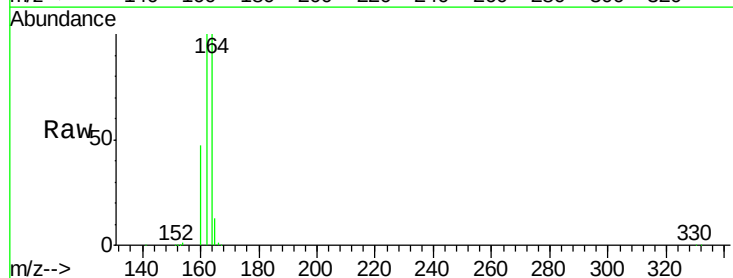
Tgt Ion:164 Resp: 54181

Ion Ratio Lower Upper

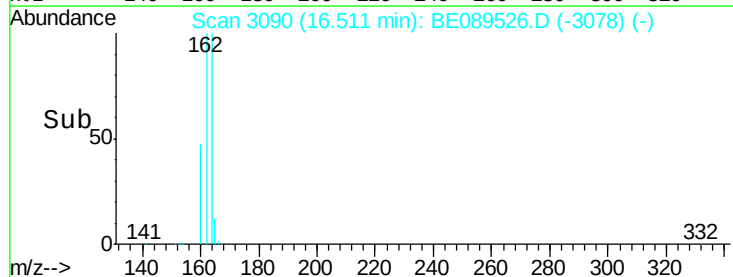
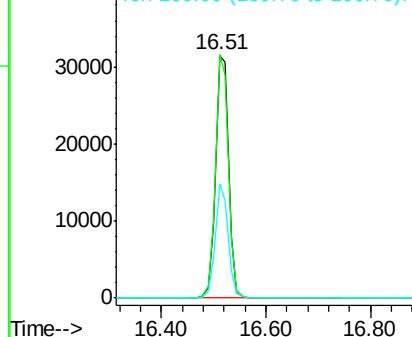
164 100

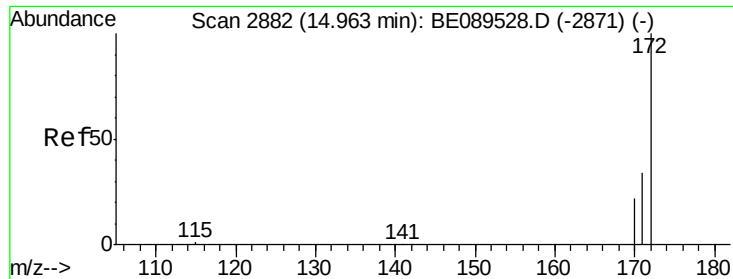
162 100.3 79.5 119.3

160 47.1 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: 0.41 ng

RT: 14.97 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

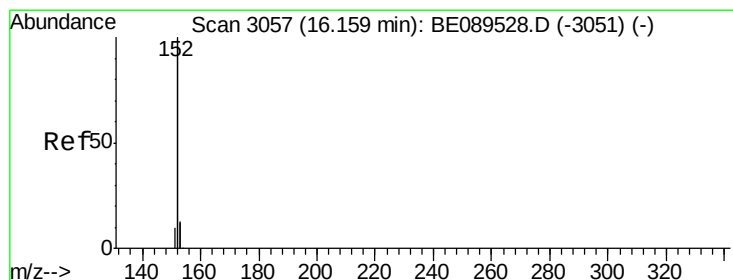
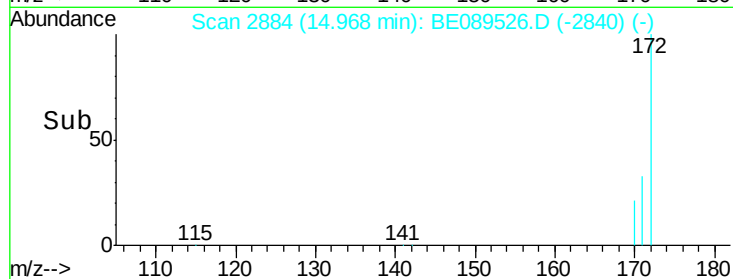
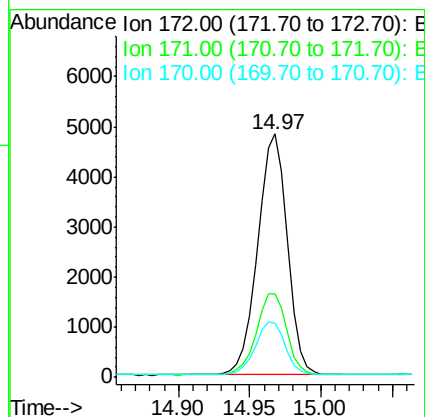
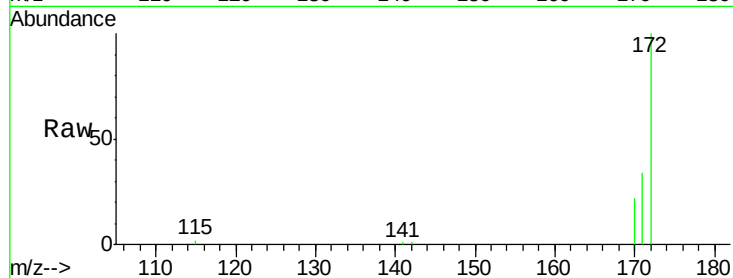
Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

Tgt Ion:	172	Resp:	7037
Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.7	41.5
170	22.1	18.3	27.5



#8

Acenaphthylene

Concen: 0.38 ng

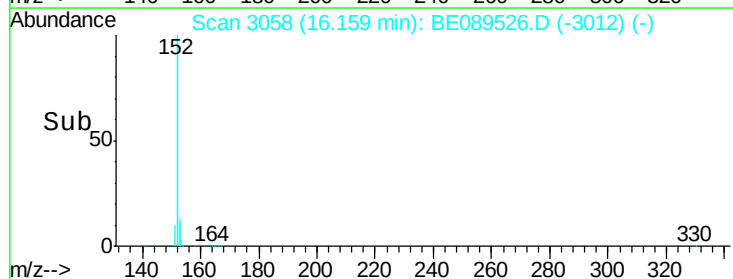
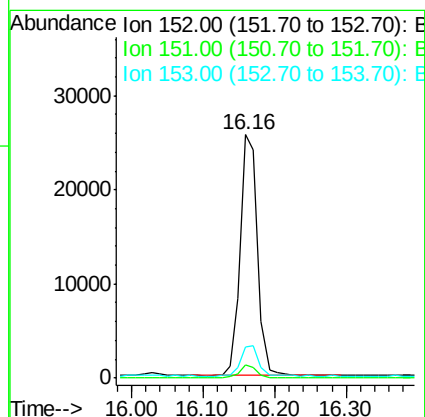
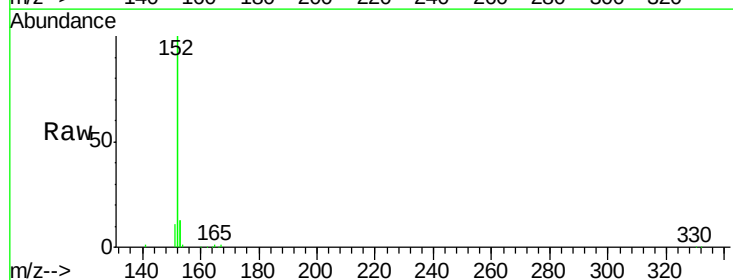
RT: 16.16 min Scan# 3058

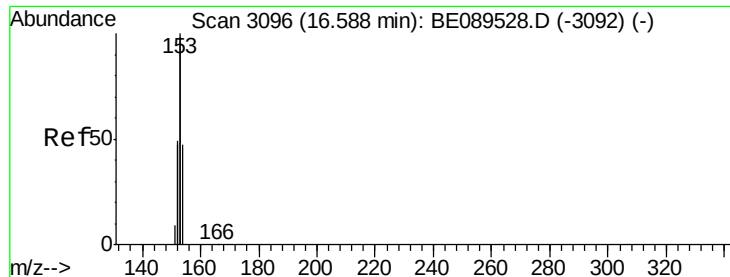
Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

Tgt Ion:	152	Resp:	43572
Ion	Ratio	Lower	Upper
152	100		
151	4.9	4.0	6.0
153	13.0	10.6	15.8





#9

Acenaphthene

Concen: 0.40 ng

RT: 16.59 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

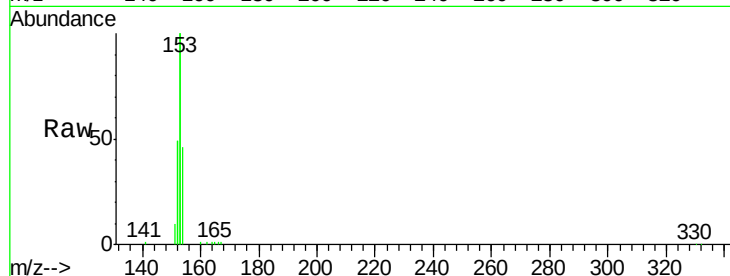
Tgt Ion:154 Resp: 7090

Ion Ratio Lower Upper

154 100

153 434.3 340.8 511.2

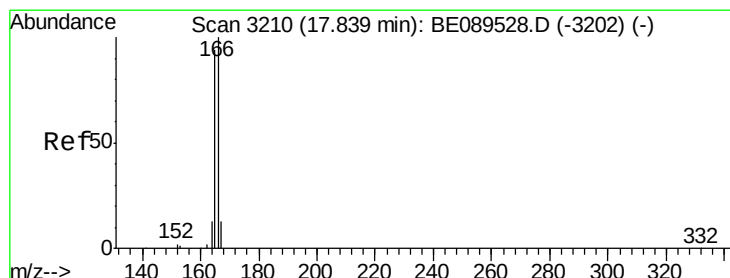
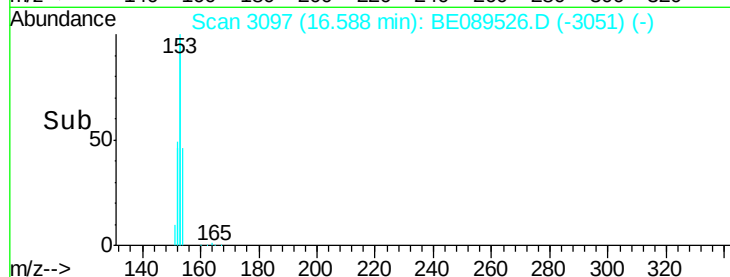
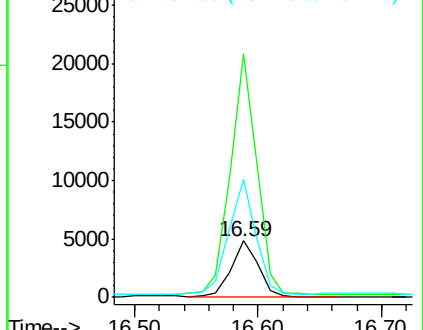
152 212.3 165.5 248.3



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: 0.39 ng

RT: 17.84 min Scan# 3211

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

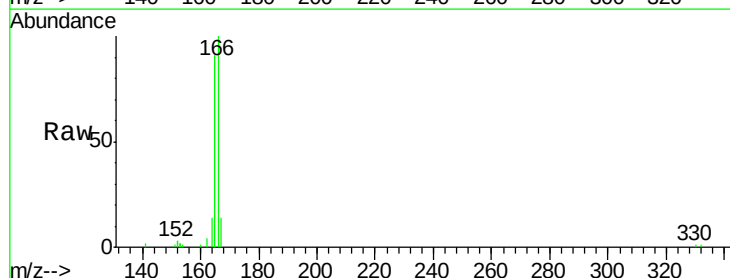
Tgt Ion:166 Resp: 7702

Ion Ratio Lower Upper

166 100

165 91.9 75.5 113.3

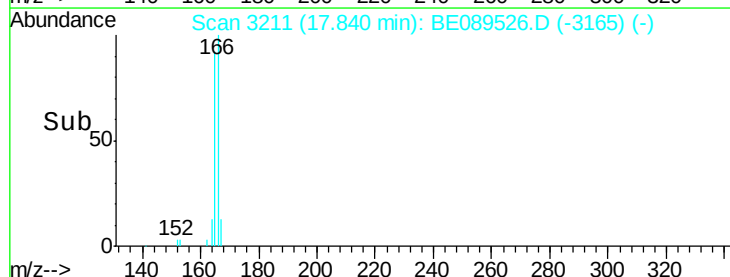
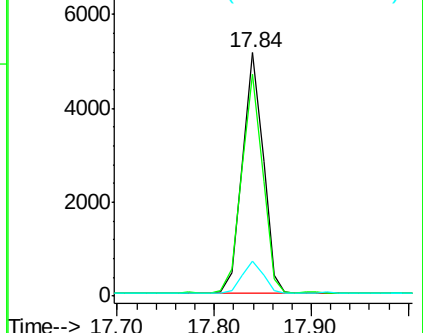
167 13.9 10.9 16.3

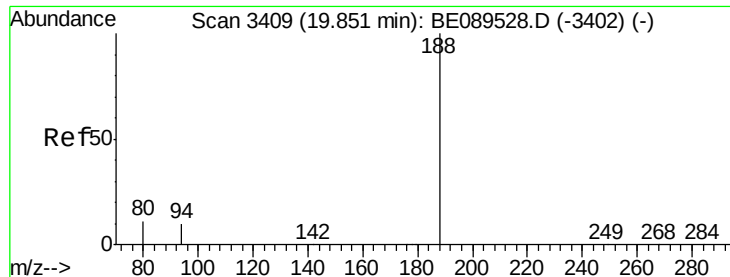


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

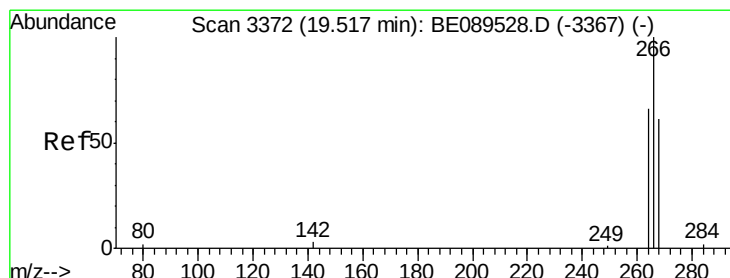
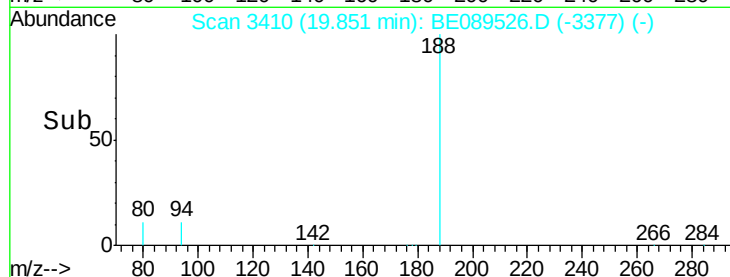
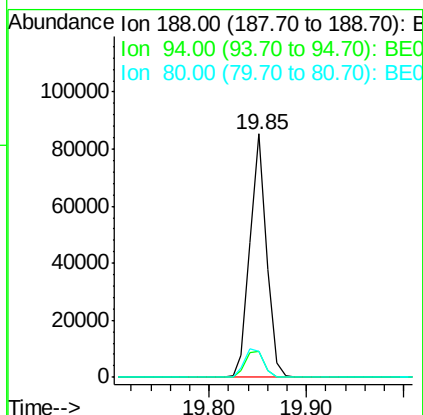
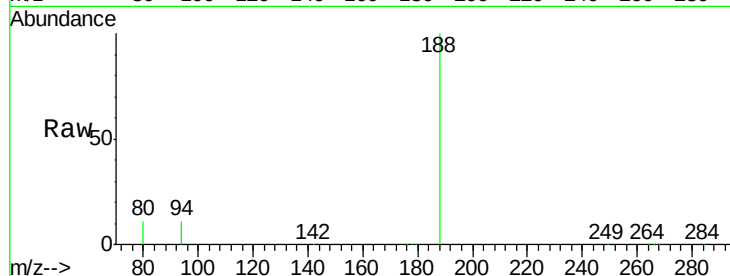




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3410
Delta R.T. 0.00 min
Lab File: BE089526.D
Acq: 6 Feb 2015 13:49

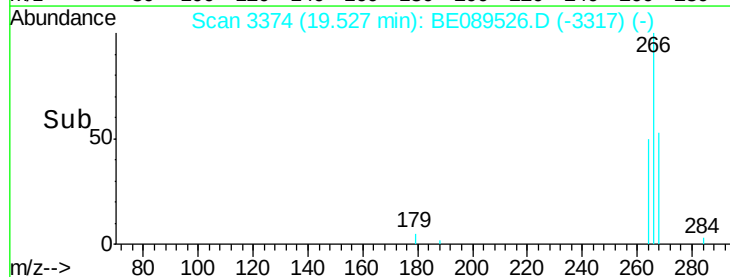
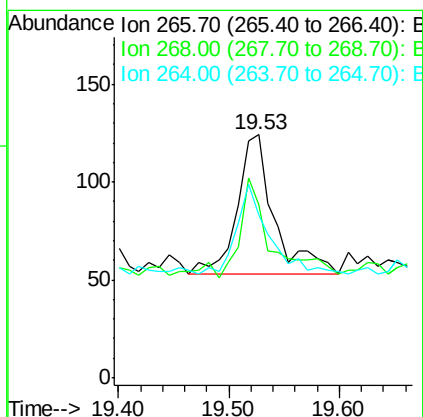
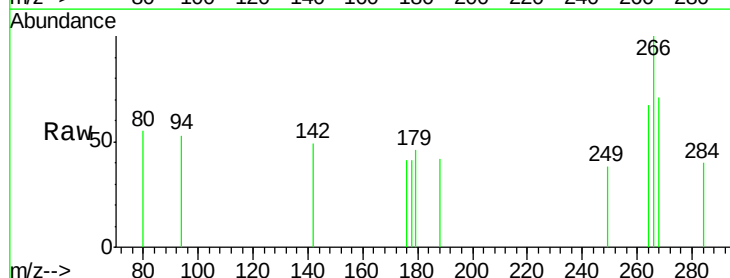
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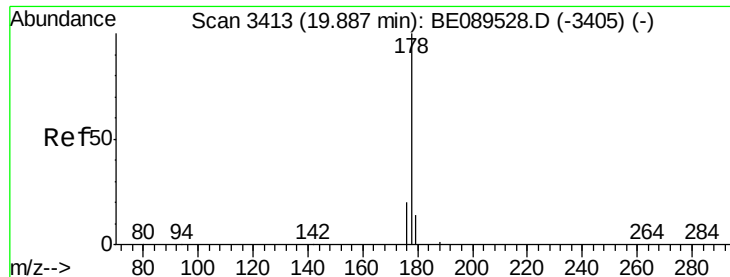
Tgt Ion:188 Resp: 100064
Ion Ratio Lower Upper
188 100
94 10.7 8.4 12.6
80 10.6 8.6 12.8



#12
Pentachlorophenol
Concen: 0.22 ng
RT: 19.53 min Scan# 3374
Delta R.T. 0.01 min
Lab File: BE089526.D
Acq: 6 Feb 2015 13:49

Tgt Ion:266 Resp: 167
Ion Ratio Lower Upper
266 100
268 71.0 57.9 86.9
264 66.9 60.2 90.4

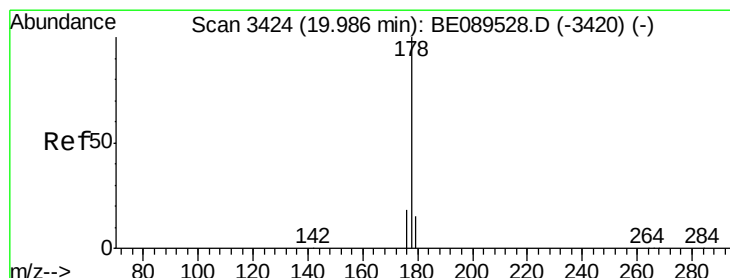
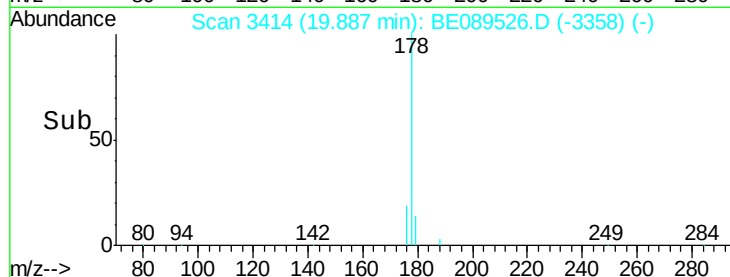
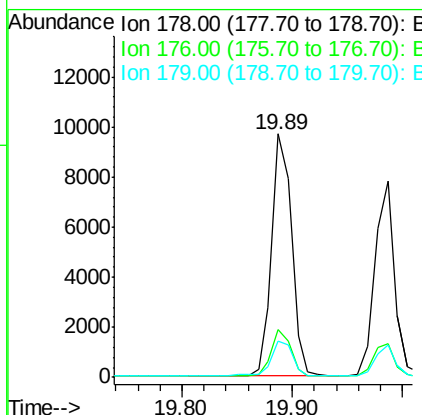
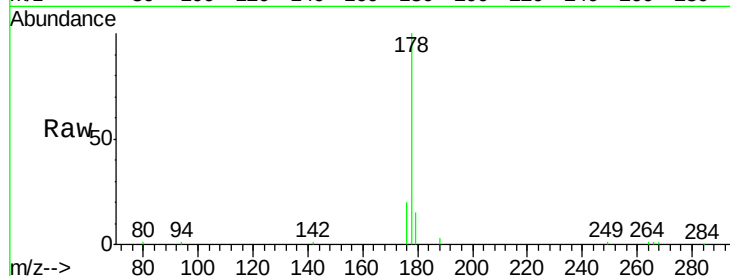




#13
Phenanthrene
Concen: 0.40 ng
RT: 19.89 min Scan# 3414
Delta R.T. 0.00 min
Lab File: BE089526.D
Acq: 6 Feb 2015 13:49

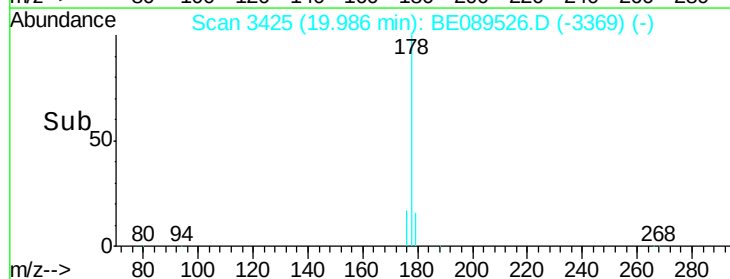
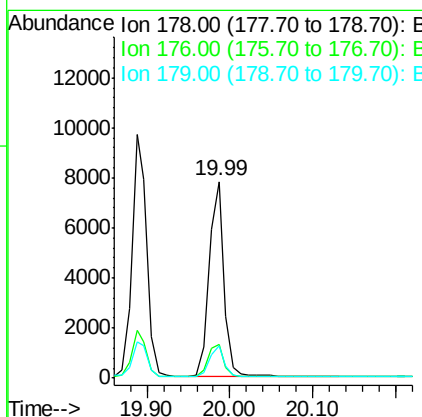
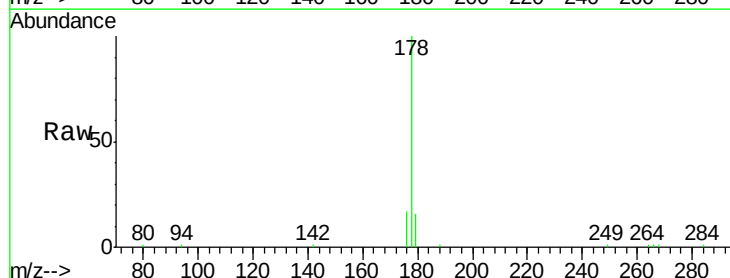
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

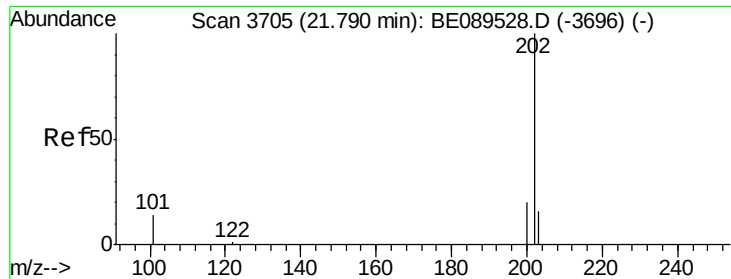
Tgt Ion:178 Resp: 12151
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.4 12.2 18.2



#14
Anthracene
Concen: 0.36 ng
RT: 19.99 min Scan# 3425
Delta R.T. 0.00 min
Lab File: BE089526.D
Acq: 6 Feb 2015 13:49

Tgt Ion:178 Resp: 9827
Ion Ratio Lower Upper
178 100
176 17.8 14.5 21.7
179 15.2 12.2 18.2

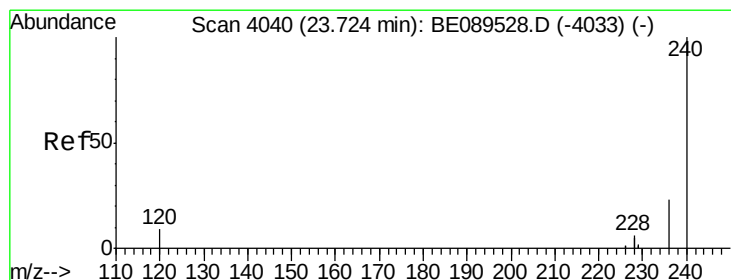
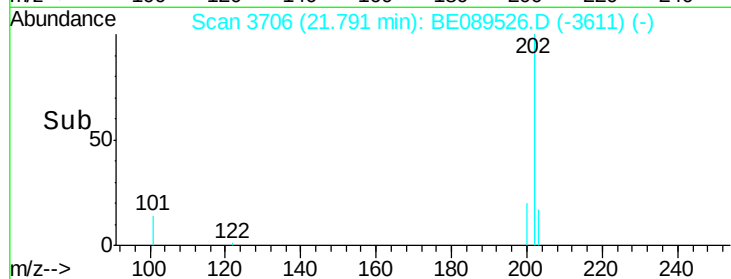
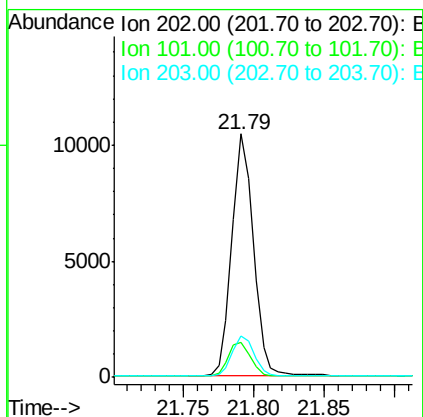
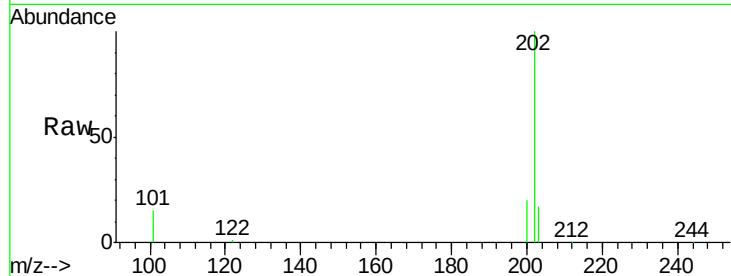




#15
 Fluoranthene
 Concen: 0.40 ng
 RT: 21.79 min Scan# 3706
 Delta R.T. 0.00 min
 Lab File: BE089526.D
 Acq: 6 Feb 2015 13:49

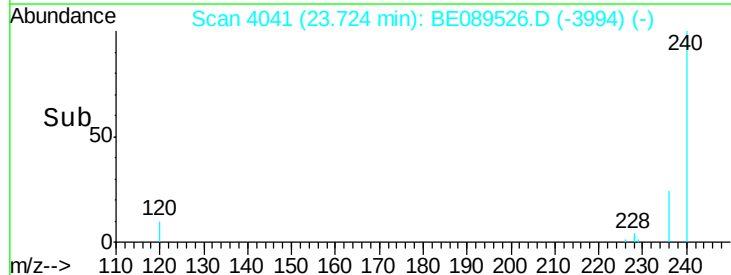
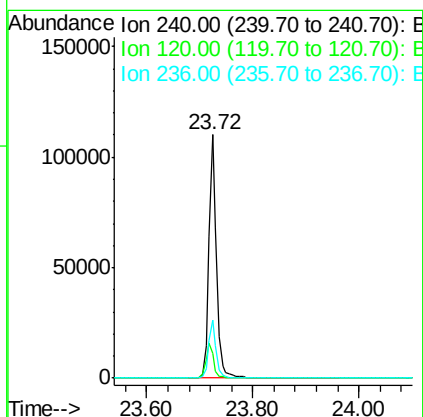
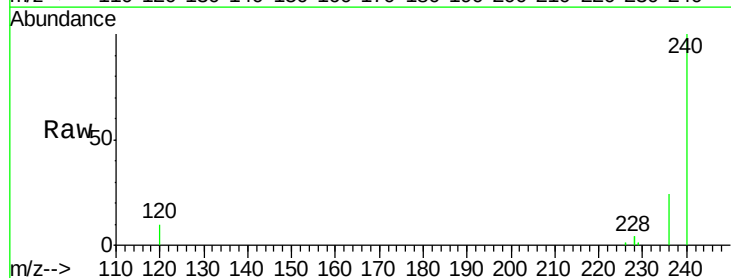
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

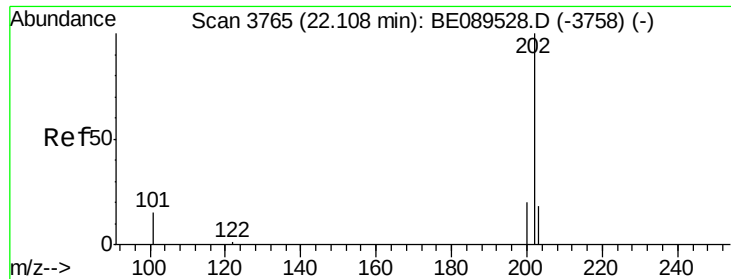
Tgt Ion: 202 Resp: 11135
 Ion Ratio Lower Upper
 202 100
 101 14.6 11.6 17.4
 203 17.3 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4041
 Delta R.T. 0.00 min
 Lab File: BE089526.D
 Acq: 6 Feb 2015 13:49

Tgt Ion: 240 Resp: 112587
 Ion Ratio Lower Upper
 240 100
 120 10.2 7.2 10.8
 236 23.8 18.5 27.7





#17

Pyrene

Concen: 0.34 ng

RT: 22.11 min Scan# 3766

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

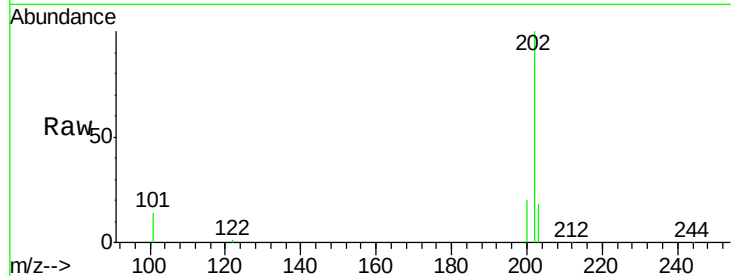
Tgt Ion:202 Resp: 11743

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

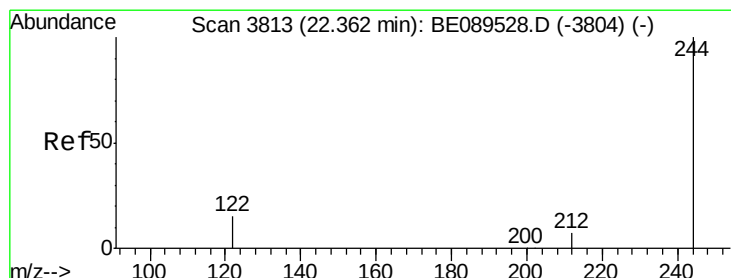
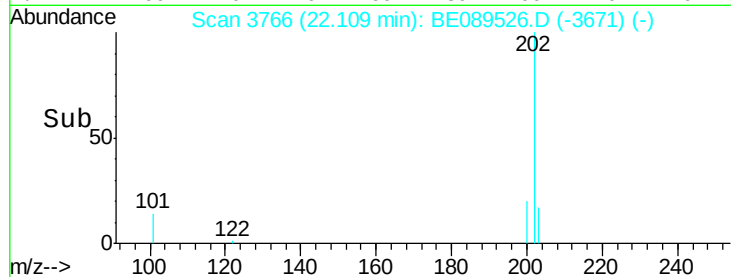
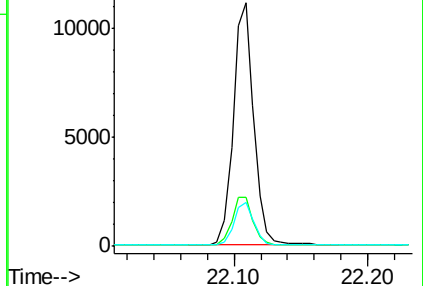
203 17.5 13.5 20.3



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: 0.37 ng

RT: 22.36 min Scan# 3814

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

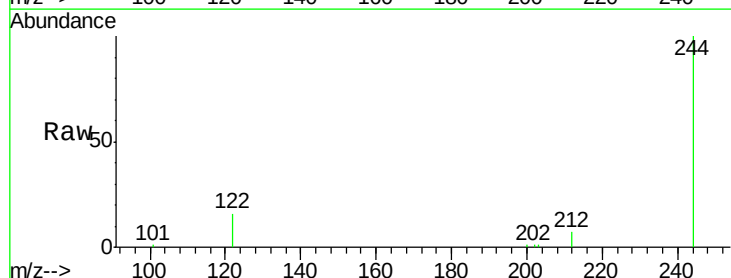
Tgt Ion:244 Resp: 7350

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

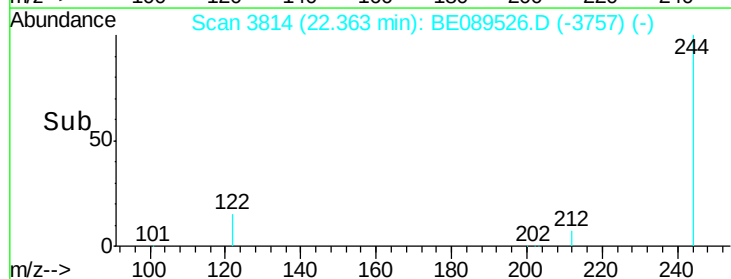
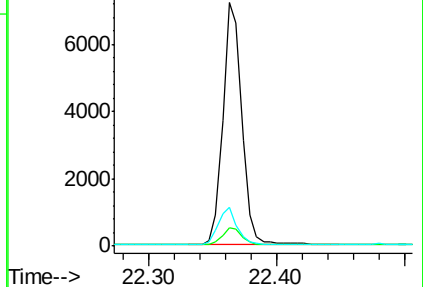
122 15.9 12.6 19.0

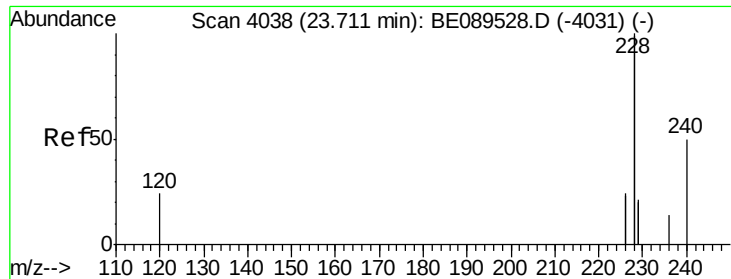


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.39 ng

RT: 23.71 min Scan# 4039

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

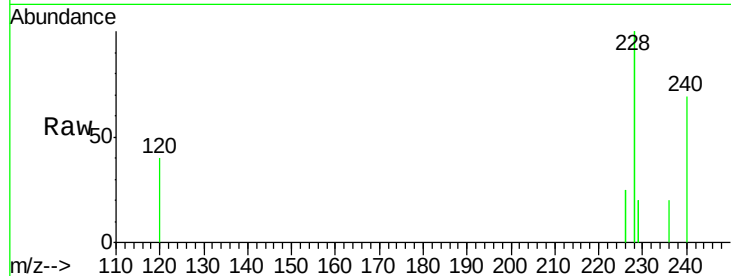
Tgt Ion:228 Resp: 47693

Ion Ratio Lower Upper

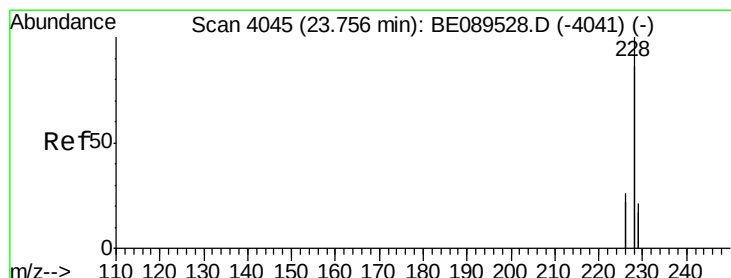
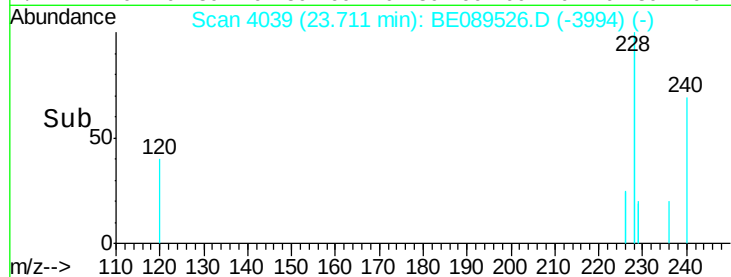
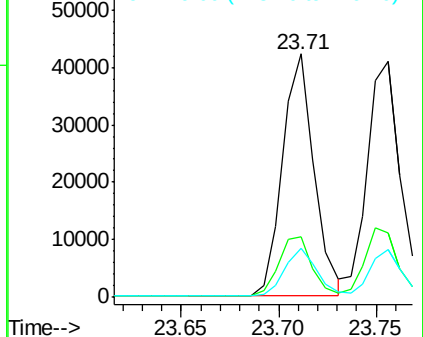
228 100

226 24.7 19.0 28.4

229 20.1 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: 0.40 ng

RT: 23.76 min Scan# 4046

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

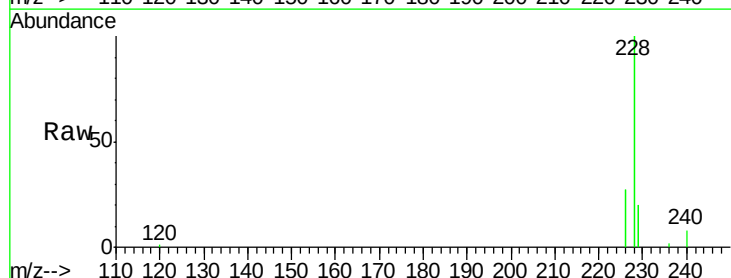
Tgt Ion:228 Resp: 50477

Ion Ratio Lower Upper

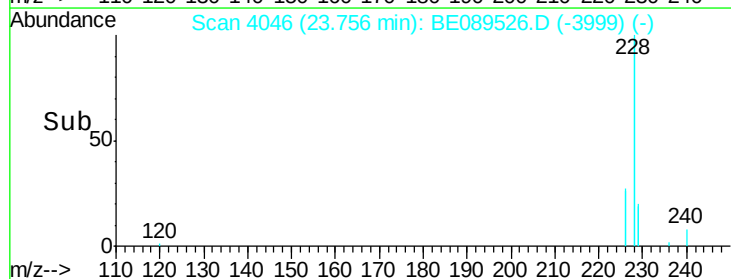
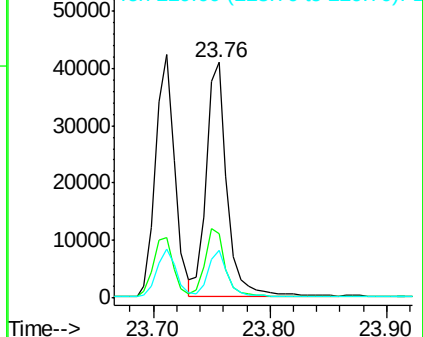
228 100

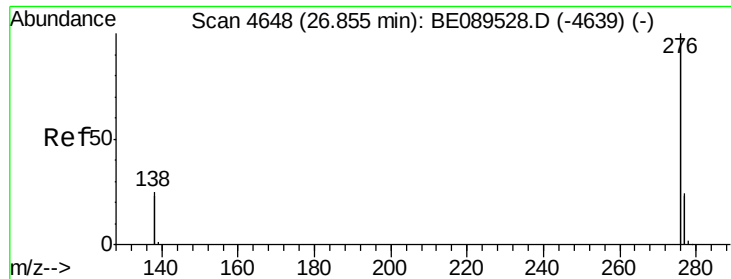
226 27.5 21.0 31.4

229 20.5 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: 0.47 ng

RT: 26.85 min Scan# 4648

Delta R.T. -0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

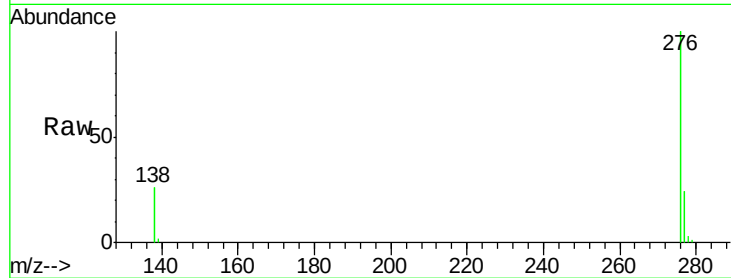
Tgt Ion:276 Resp: 65760

Ion Ratio Lower Upper

276 100

138 27.5 23.0 34.4

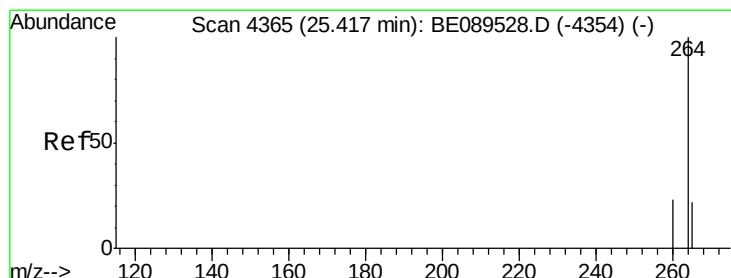
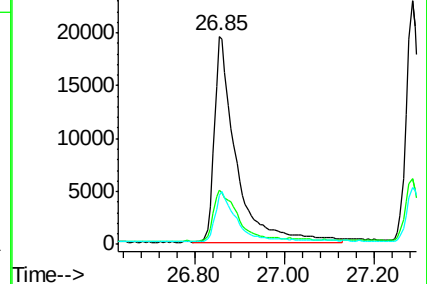
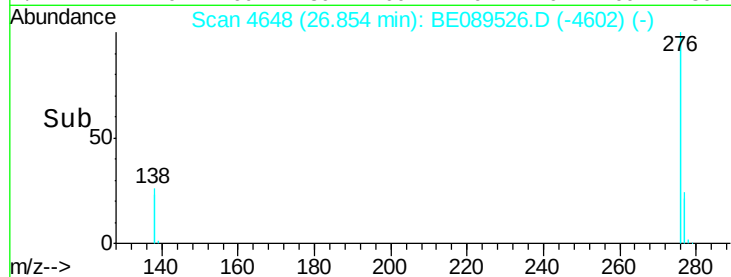
277 25.0 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.42 min Scan# 4366

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

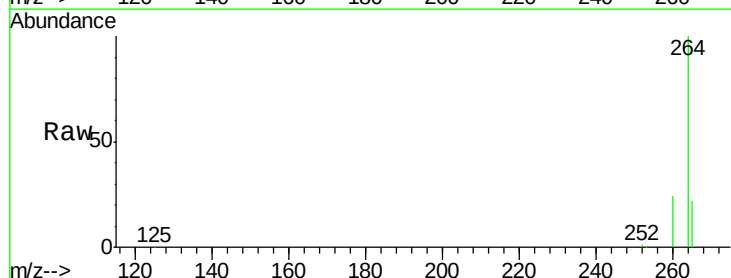
Tgt Ion:264 Resp: 122592

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

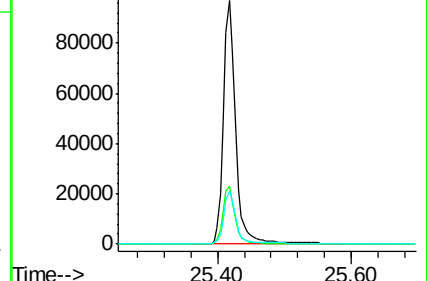
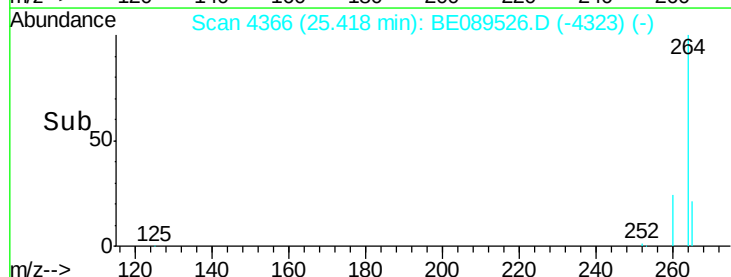
265 21.5 17.5 26.3

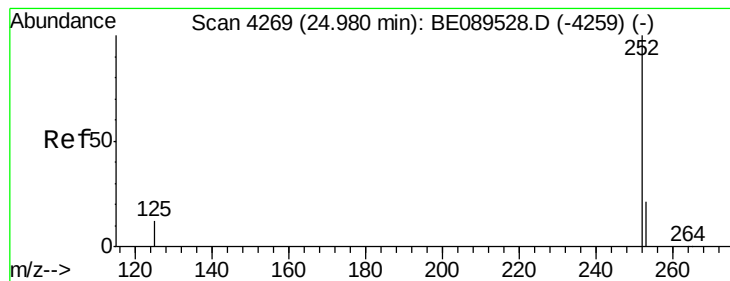


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.42 ng

RT: 24.98 min Scan# 4270

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

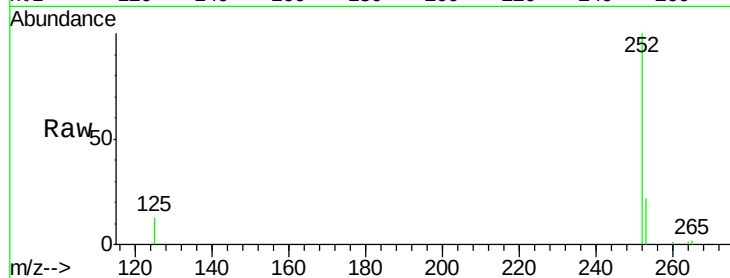
Tgt Ion:252 Resp: 11414

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

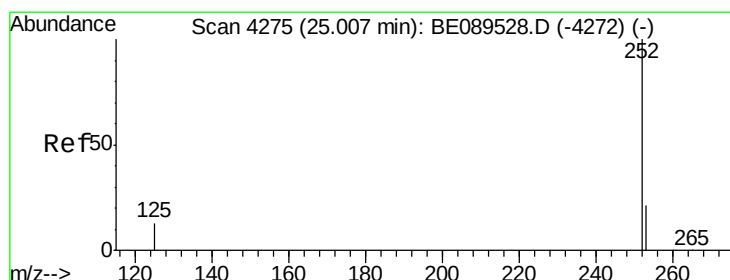
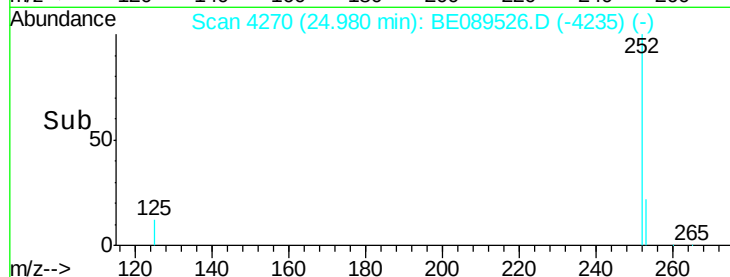
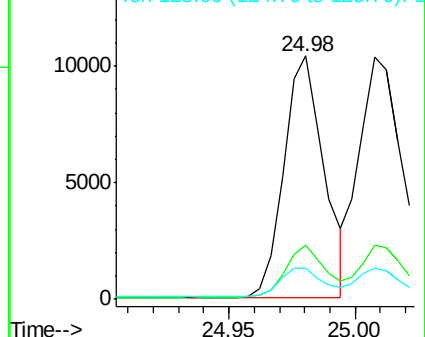
125 12.8 10.4 15.6



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: 0.38 ng

RT: 25.01 min Scan# 4276

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

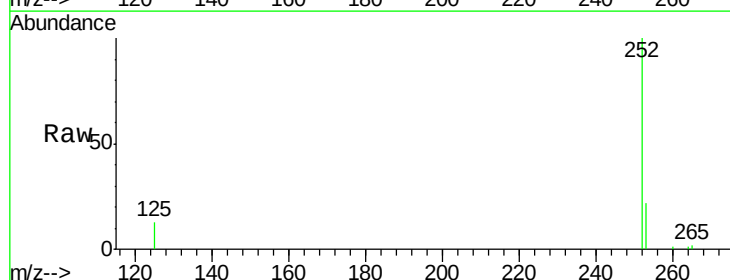
Tgt Ion:252 Resp: 14912

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

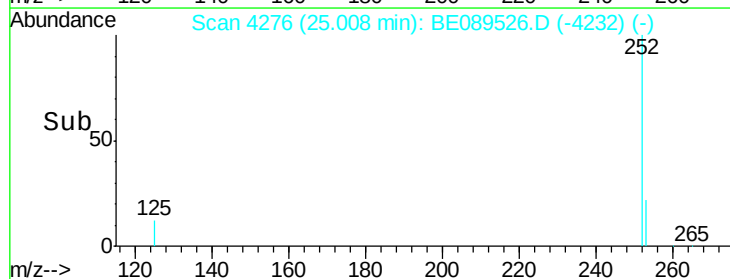
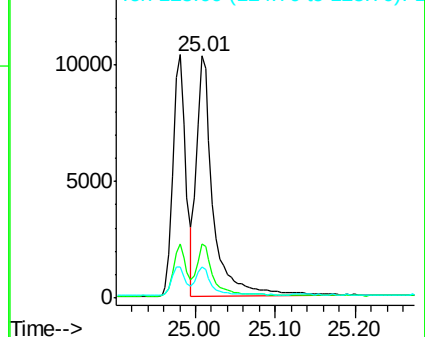
125 12.7 10.6 15.8

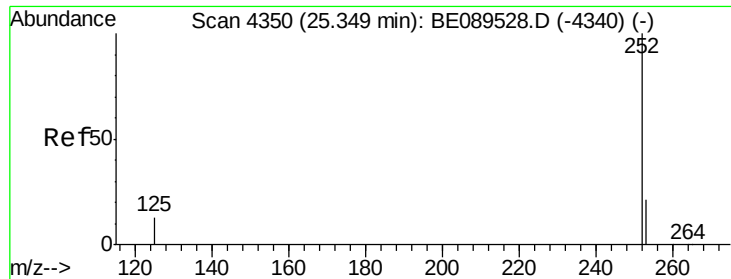


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.39 ng

RT: 25.35 min Scan# 4351

Delta R.T. 0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

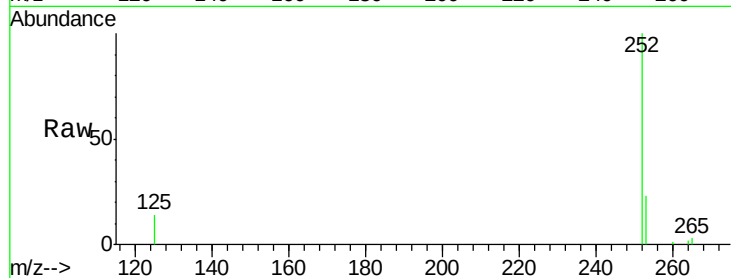
Tgt Ion:252 Resp: 11203

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

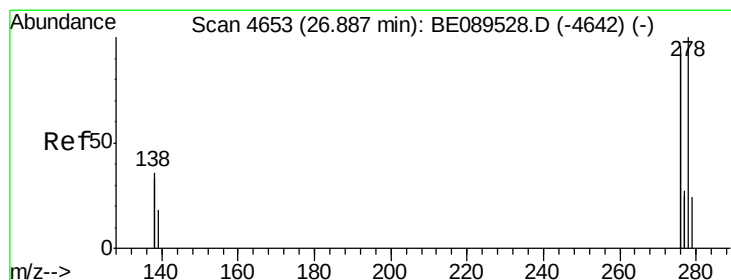
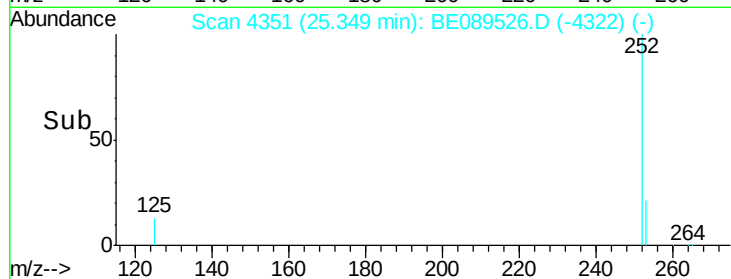
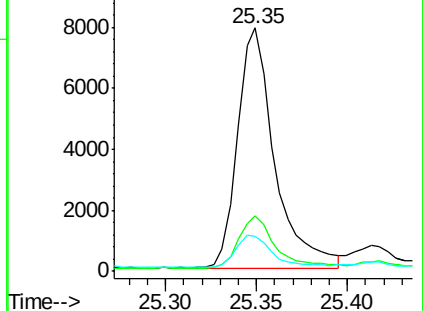
125 14.2 11.4 17.2



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: 0.43 ng

RT: 26.89 min Scan# 4653

Delta R.T. -0.00 min

Lab File: BE089526.D

Acq: 6 Feb 2015 13:49

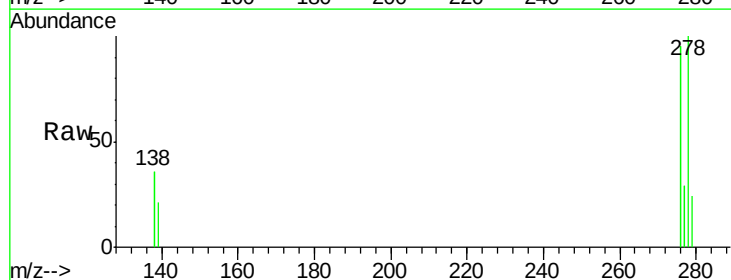
Tgt Ion:278 Resp: 13711

Ion Ratio Lower Upper

278 100

139 21.0 15.7 23.5

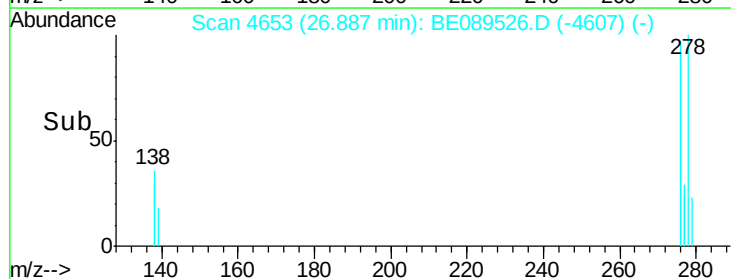
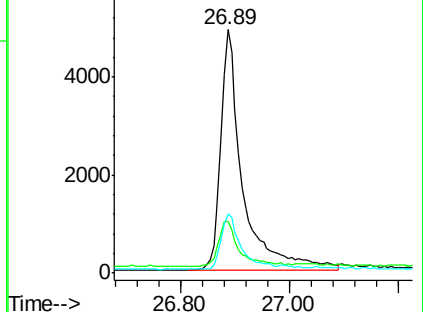
279 24.2 19.5 29.3

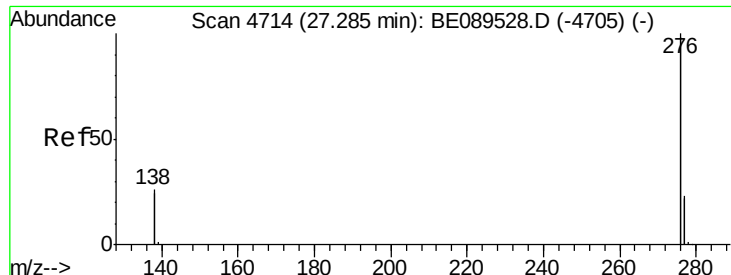


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.42 ng

RT: 27.28 min Scan# 4714

Delta R.T. -0.00 min

Lab File: BE089526.D

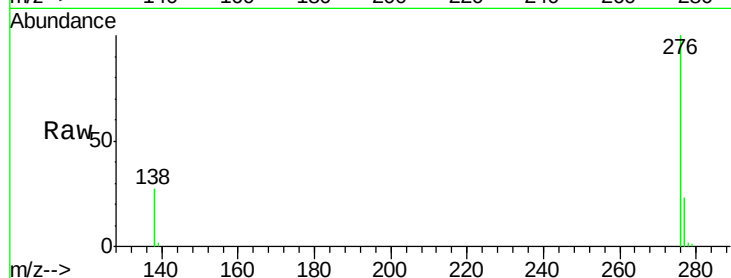
Acq: 6 Feb 2015 13:49

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5



Tgt Ion: 276 Resp: 56240

Ion Ratio Lower Upper

276 100

277 23.4 18.6 27.8

138 26.9 20.9 31.3

