

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
 Data File : BE089553.D
 Acq On : 10 Feb 2015 17:08
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Quant Time: Feb 11 01:22:22 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 11 01:08:43 2015
 Response via : Initial Calibration

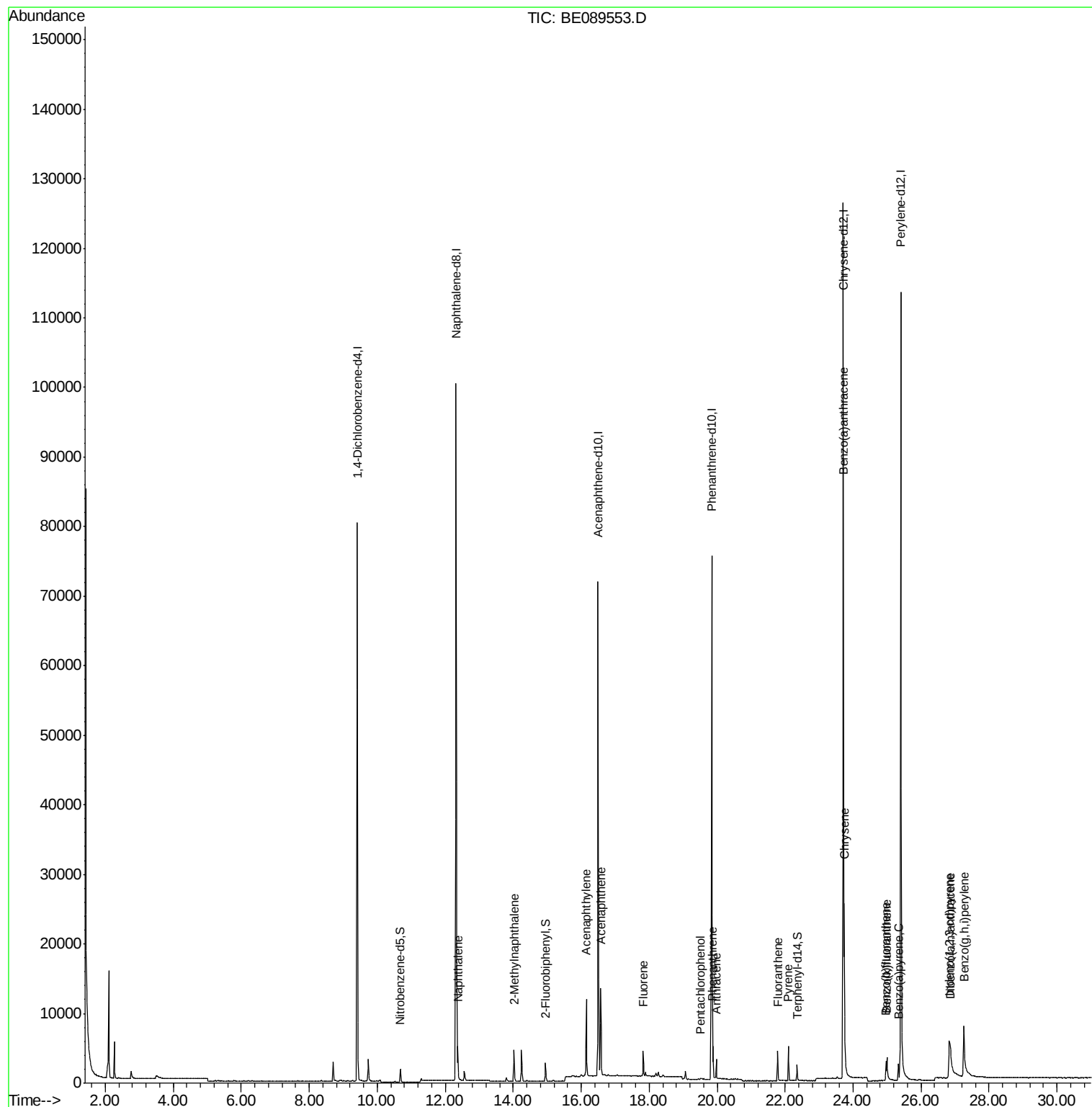
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.41	152	34365	5.00	ng	0.00
2) Naphthalene-d8	12.32	136	123420	5.00	ng	0.00
6) Acenaphthene-d10	16.50	164	45685	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	80273	5.00	ng	0.00
16) Chrysene-d12	23.71	240	100723	5.00	ng	0.00
22) Perylene-d12	25.40	264	111906	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.68	82	1450	0.20	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	2564	0.23	ng	0.00
18) Terphenyl-d14	22.36	244	2379	0.17	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.37	128	5750	0.22	ng	98
5) 2-Methylnaphthalene	14.03	142	3076	0.20	ng	97
8) Acenaphthylene	16.15	152	14977	0.21	ng	99
9) Acenaphthene	16.58	154	2563	0.23	ng	98
10) Fluorene	17.83	166	2591	0.21	ng	97
12) Pentachlorophenol	19.51	266	100	0.05	ng	# 80
13) Phenanthrene	19.88	178	4105	0.23	ng	98
14) Anthracene	19.98	178	2966	0.19	ng	97
15) Fluoranthene	21.78	202	3473	0.21	ng	99
17) Pyrene	22.10	202	3685	0.17	ng	99
19) Benzo(a)anthracene	23.70	228	15380	0.19	ng	97
20) Chrysene	23.74	228	19457	0.23	ng	100
21) Indeno(1,2,3-cd)pyrene	26.83	276	16798	0.23	ng	97
23) Benzo(b)fluoranthene	24.97	252	2793	0.17	ng	97
24) Benzo(k)fluoranthene	25.00	252	4440m	0.17	ng	
25) Benzo(a)pyrene	25.33	252	2893	0.17	ng	98
26) Dibenzo(a,h)anthracene	26.87	278	3279	0.19	ng	92
27) Benzo(g,h,i)perylene	27.26	276	16302	0.21	ng	# 91

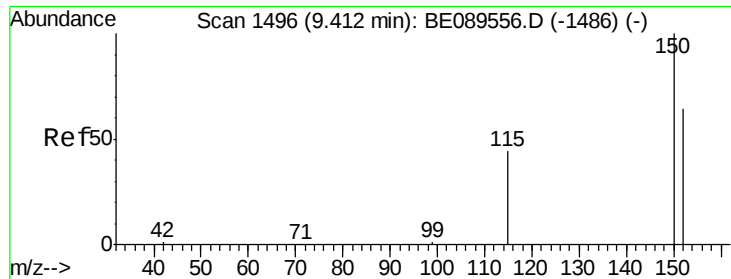
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.41 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

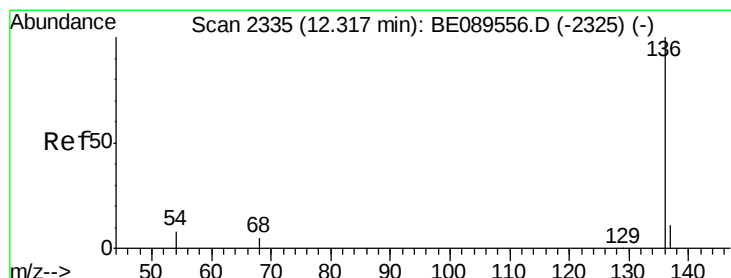
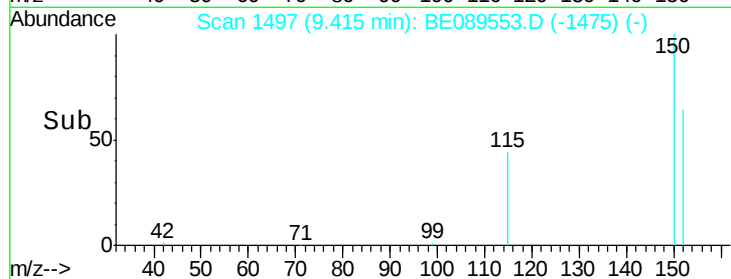
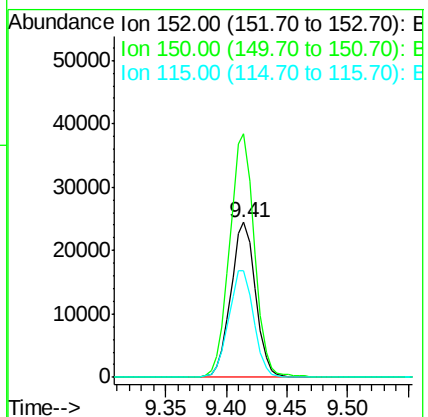
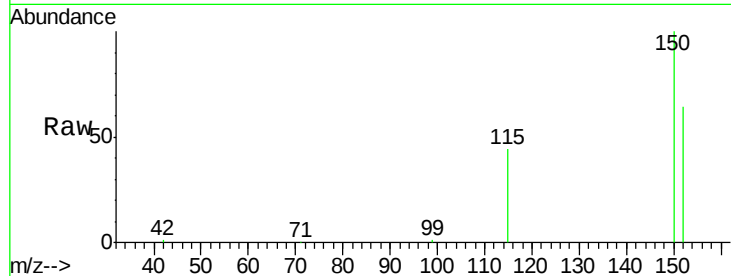
Tgt Ion:152 Resp: 34365

Ion Ratio Lower Upper

152 100

150 157.2 125.6 188.4

115 68.9 55.8 83.6



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.32 min Scan# 2336

Delta R.T. 0.01 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

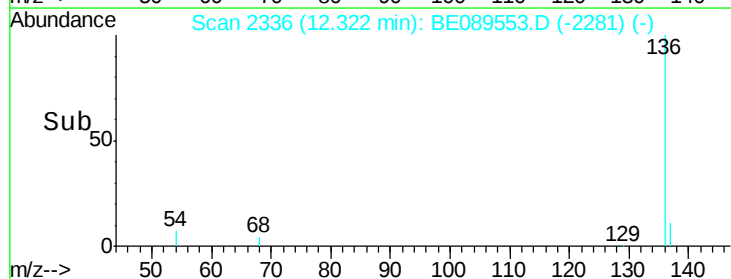
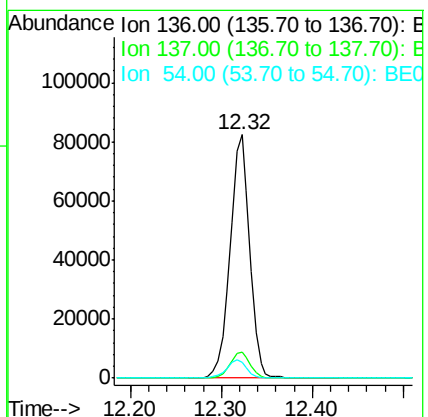
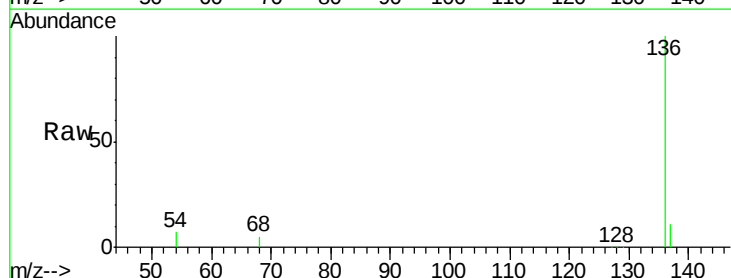
Tgt Ion:136 Resp: 123420

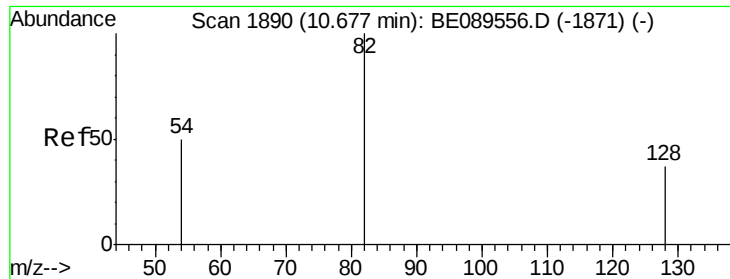
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 6.7 6.6 9.8





#3

Nitrobenzene-d5

Concen: 0.20 ng

RT: 10.68 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

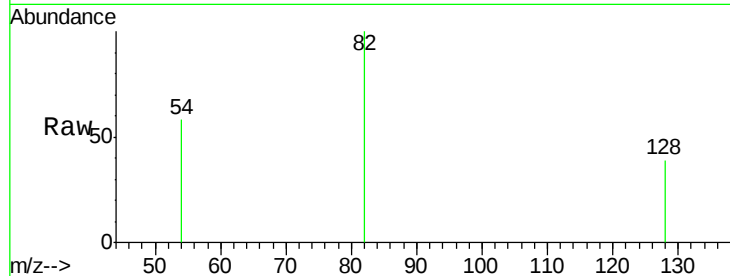
Tgt Ion: 82 Resp: 1450

Ion Ratio Lower Upper

82 100

128 39.0 30.4 45.6

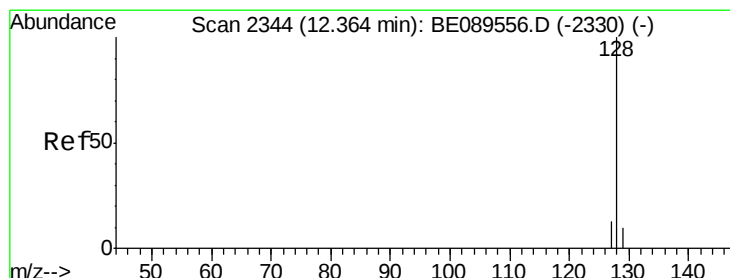
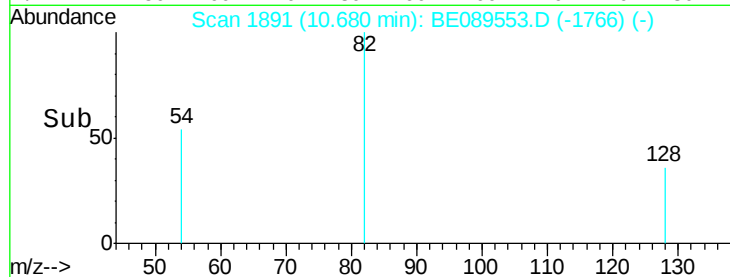
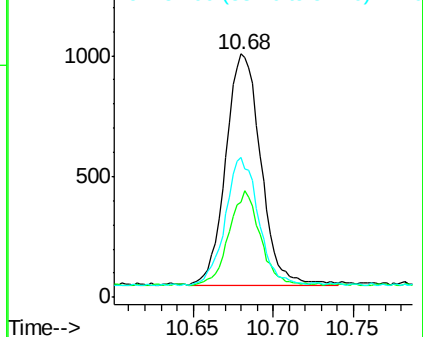
54 57.5 40.7 61.1



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: 0.22 ng

RT: 12.37 min Scan# 2345

Delta R.T. 0.01 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

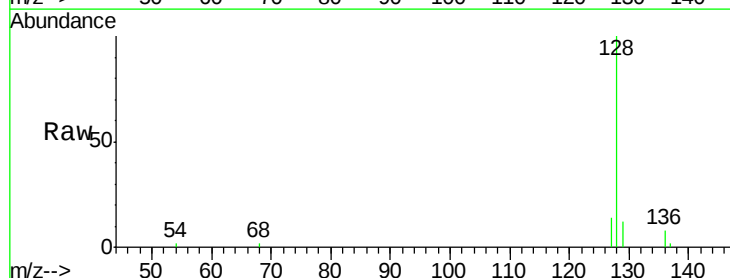
Tgt Ion: 128 Resp: 5750

Ion Ratio Lower Upper

128 100

129 11.5 8.5 12.7

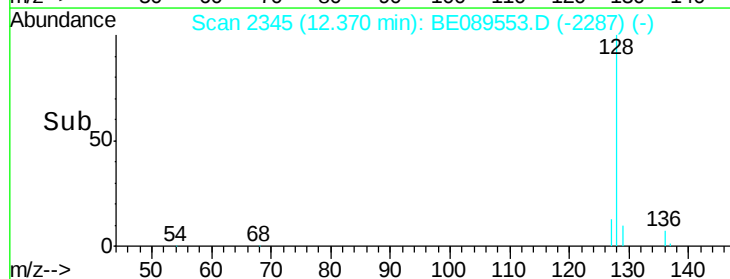
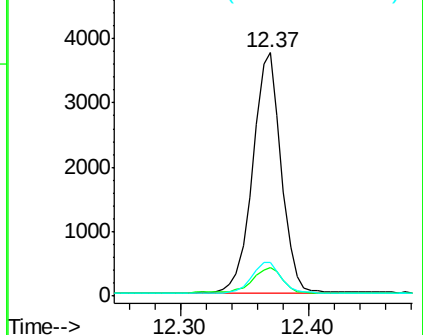
127 13.9 10.6 15.8

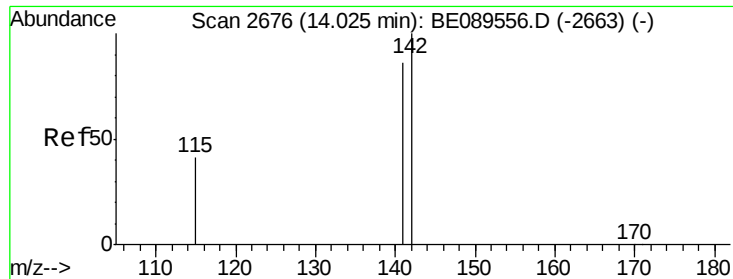


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.20 ng

RT: 14.03 min Scan# 2676

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

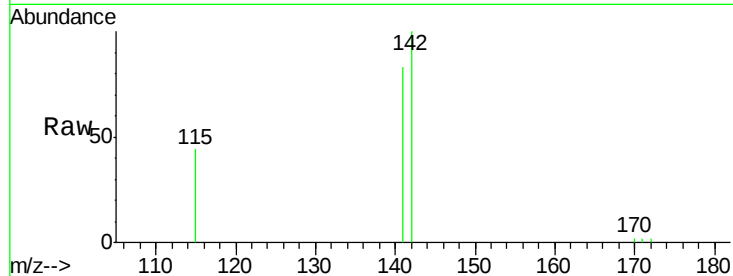
Tgt Ion:142 Resp: 3076

Ion Ratio Lower Upper

142 100

141 83.0 68.6 102.8

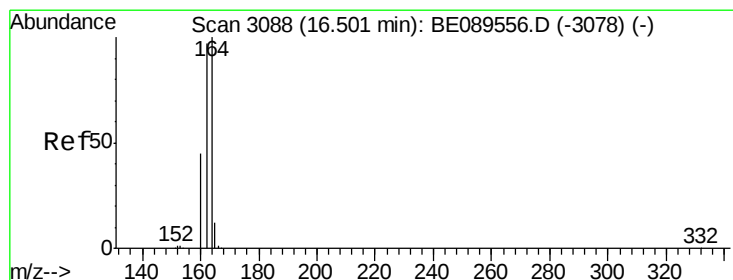
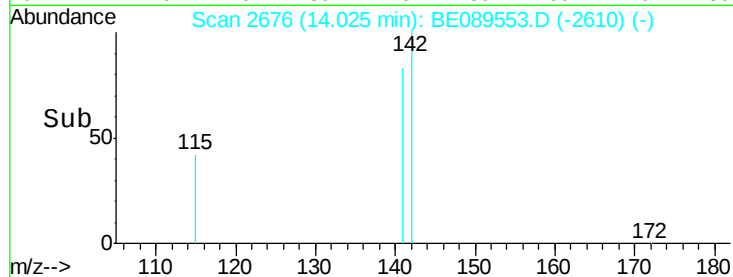
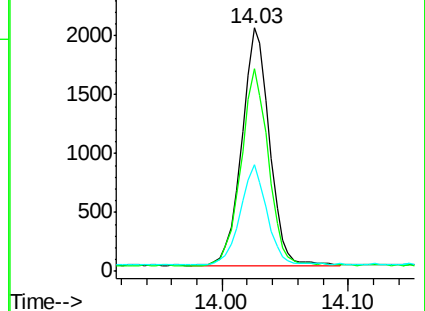
115 43.7 33.0 49.6



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: 16.50 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

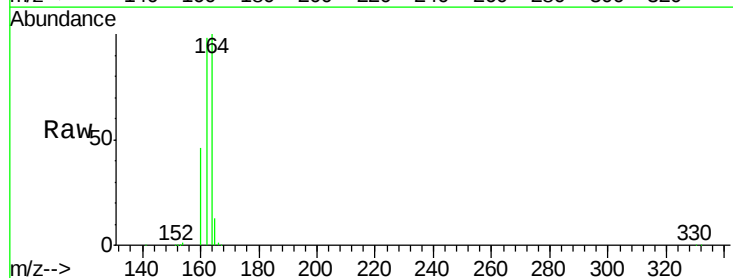
Tgt Ion:164 Resp: 45685

Ion Ratio Lower Upper

164 100

162 97.9 77.8 116.6

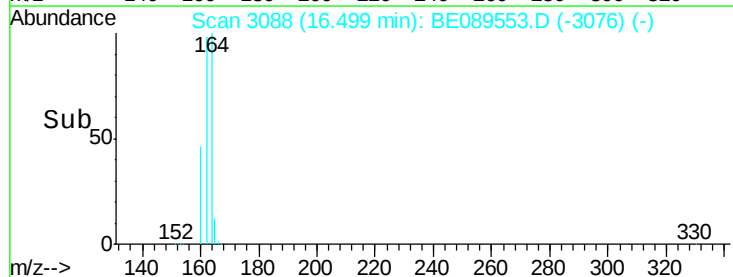
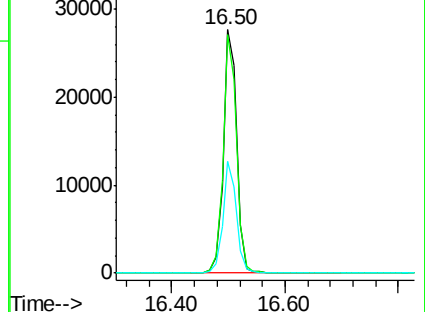
160 45.9 36.2 54.2

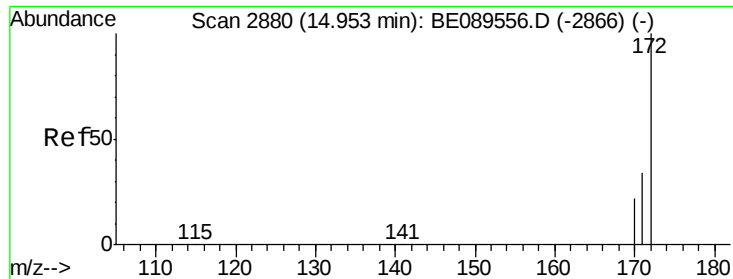


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.23 ng

RT: 14.96 min Scan# 2881

Delta R.T. 0.01 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

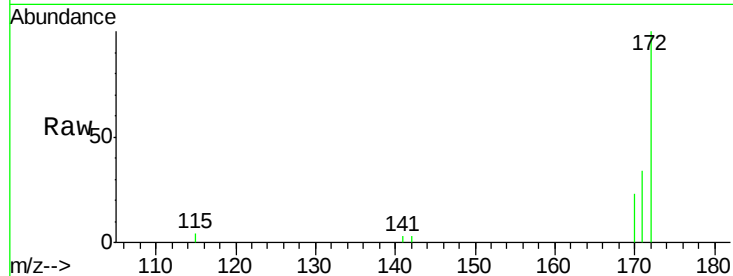
Tgt Ion:172 Resp: 2564

Ion Ratio Lower Upper

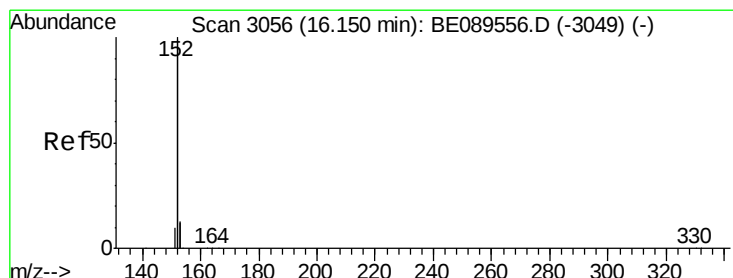
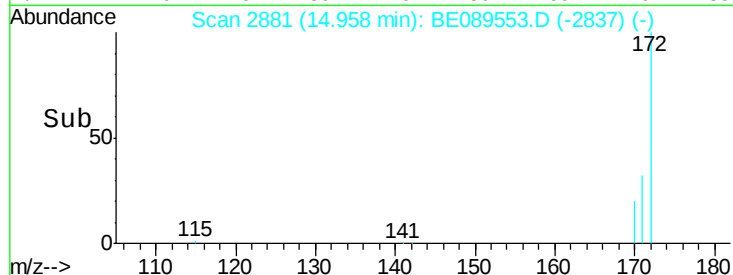
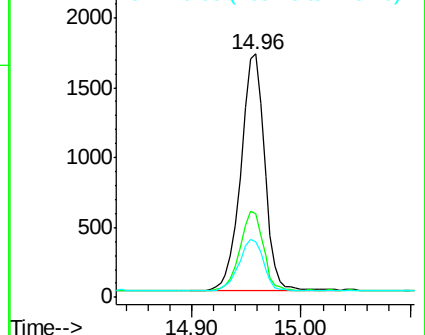
172 100

171 34.1 27.4 41.0

170 22.7 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: 0.21 ng

RT: 16.15 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

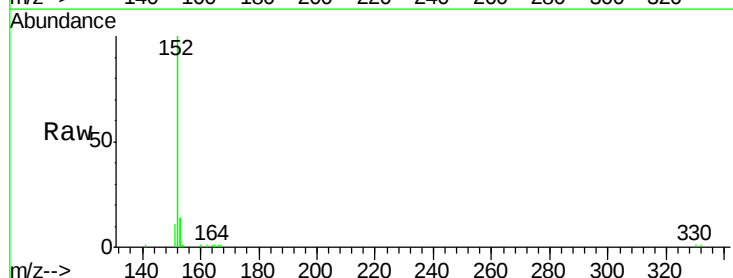
Tgt Ion:152 Resp: 14977

Ion Ratio Lower Upper

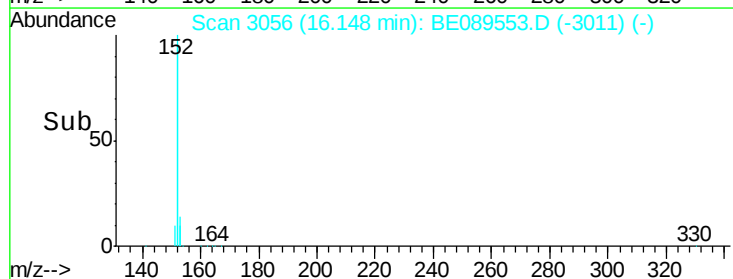
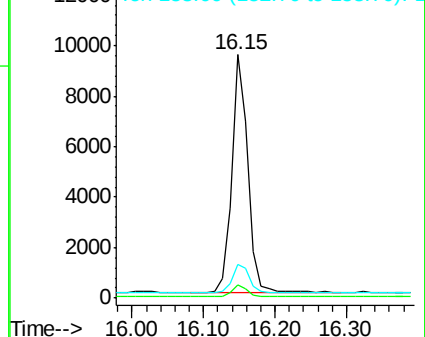
152 100

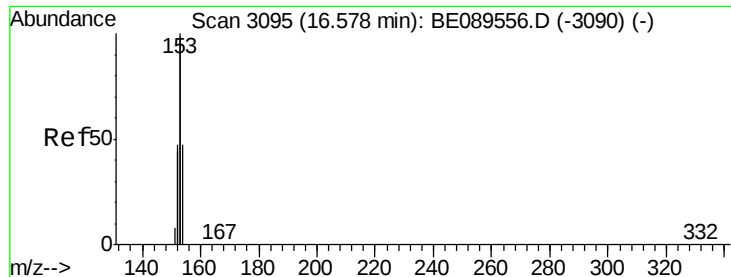
151 5.3 3.9 5.9

153 13.1 10.4 15.6



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: 0.23 ng

RT: 16.58 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

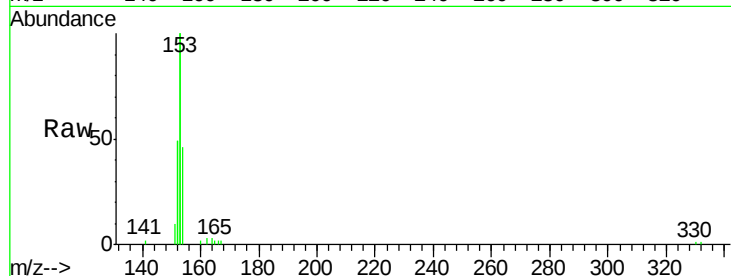
Tgt Ion:154 Resp: 2563

Ion Ratio Lower Upper

154 100

153 430.9 349.0 523.4

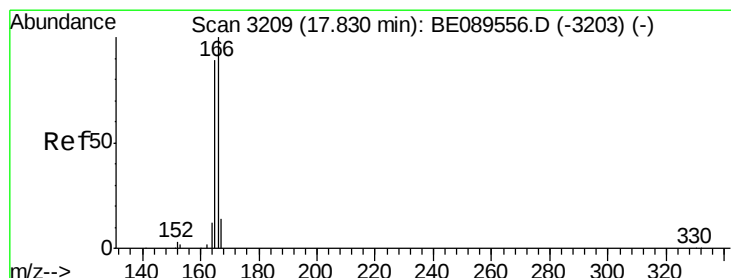
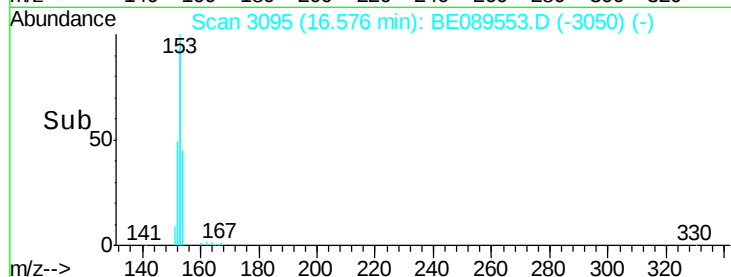
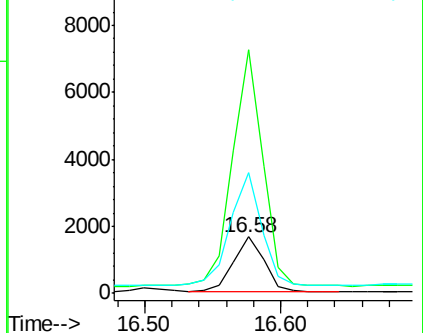
152 217.7 173.0 259.4



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: 0.21 ng

RT: 17.83 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

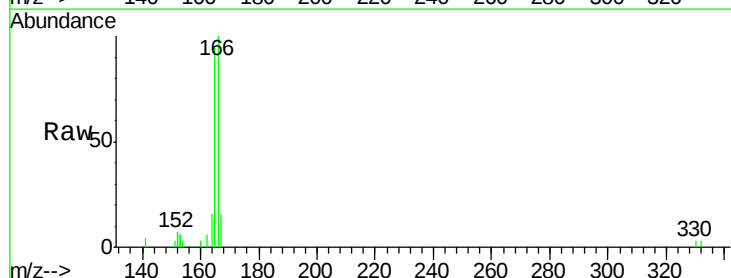
Tgt Ion:166 Resp: 2591

Ion Ratio Lower Upper

166 100

165 91.1 75.1 112.7

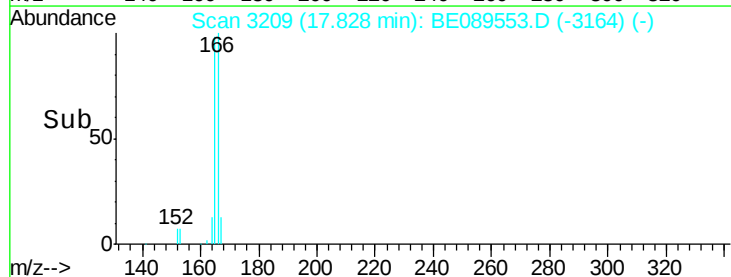
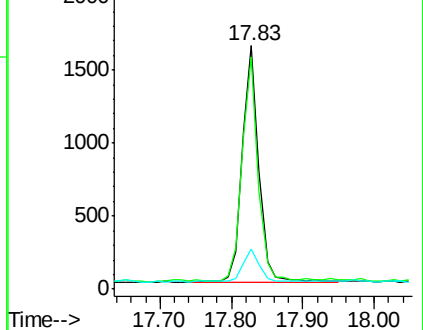
167 14.0 10.6 16.0

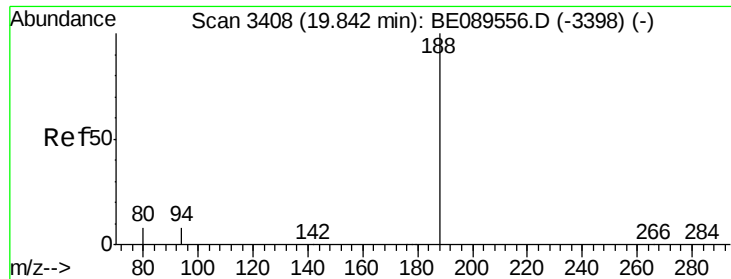


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

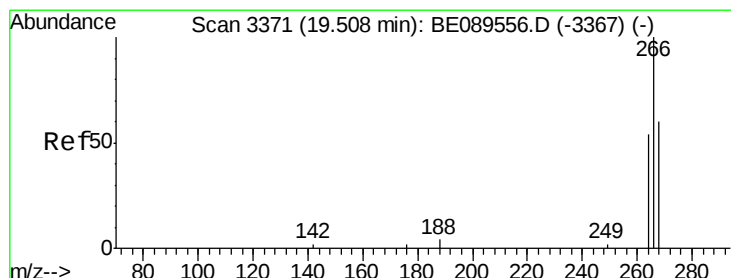
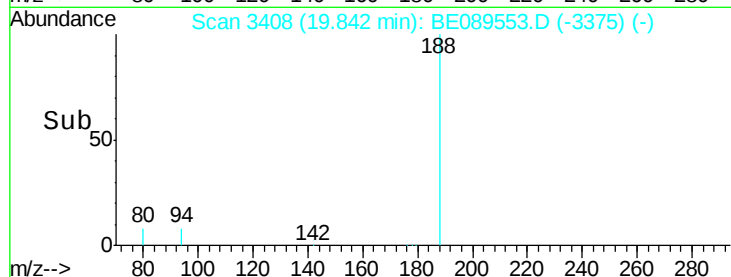
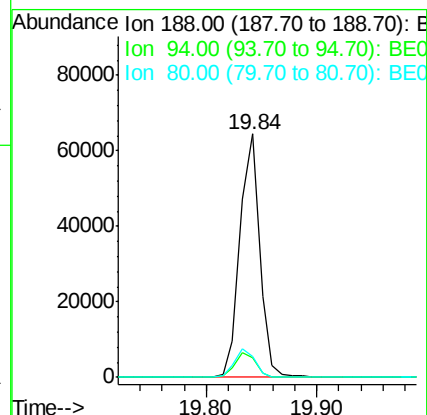
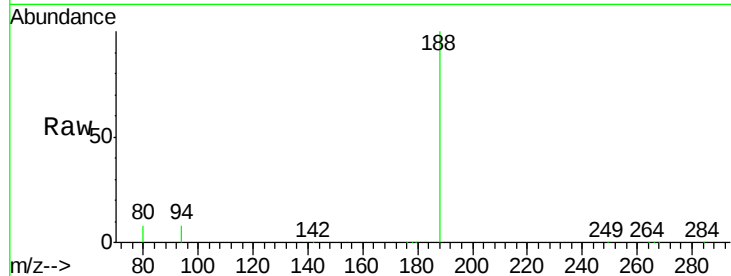




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3408
Delta R.T. -0.00 min
Lab File: BE089553.D
Acq: 10 Feb 2015 17:08

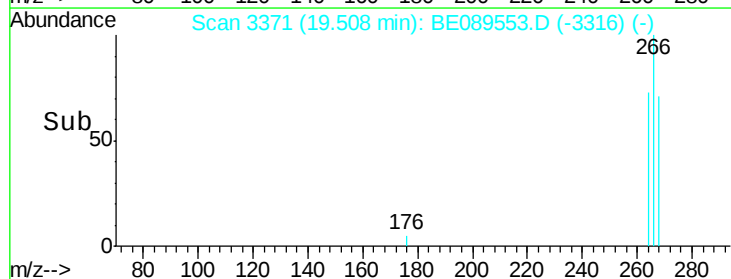
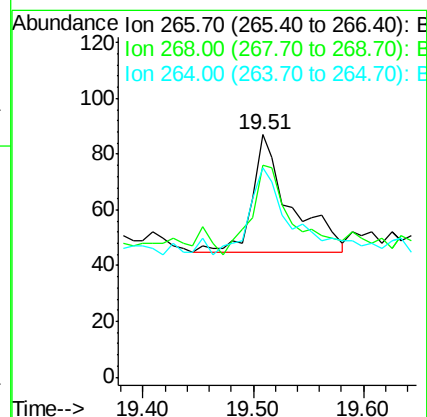
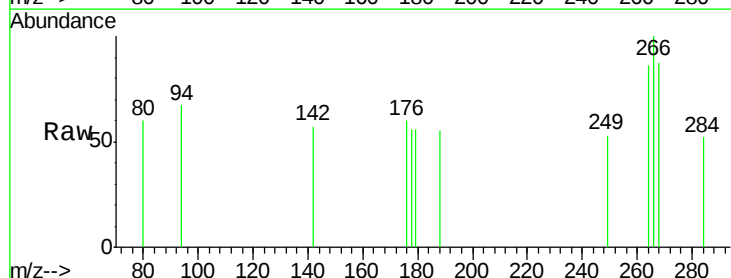
Instrument :
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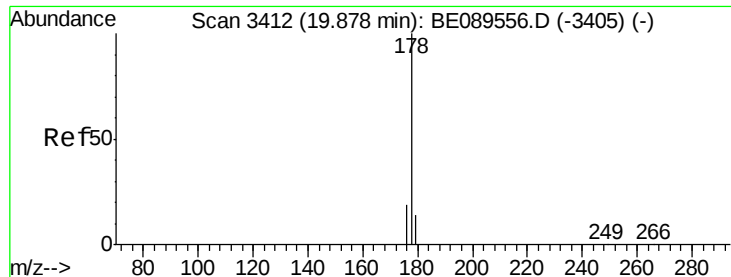
Tgt Ion:188 Resp: 80273
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 8.4 6.4 9.6



#12
Pentachlorophenol
Concen: 0.05 ng
RT: 19.51 min Scan# 3371
Delta R.T. -0.00 min
Lab File: BE089553.D
Acq: 10 Feb 2015 17:08

Tgt Ion:266 Resp: 100
Ion Ratio Lower Upper
266 100
268 87.4 57.9 86.9#
264 86.2 54.6 81.8#

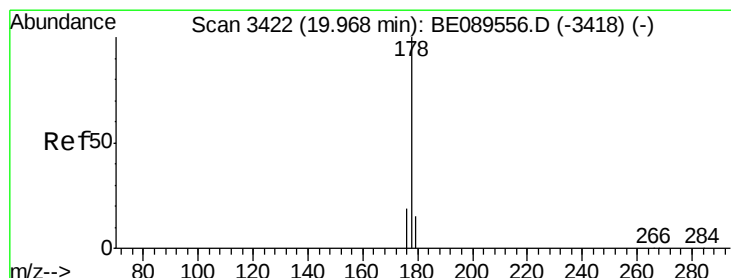
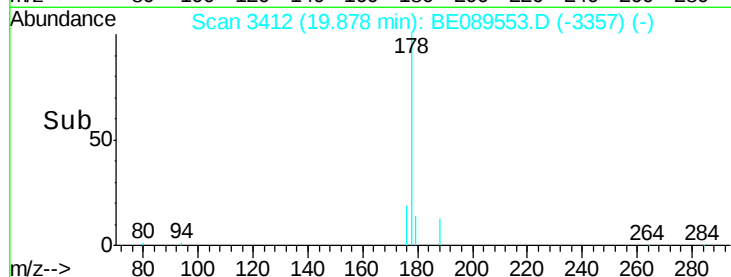
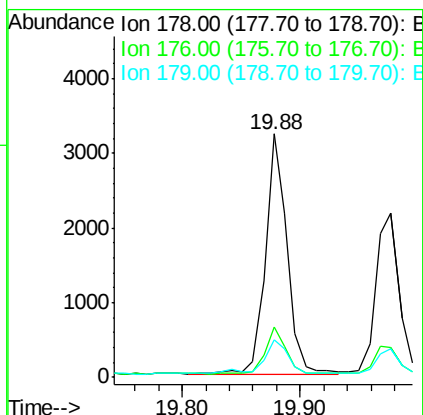
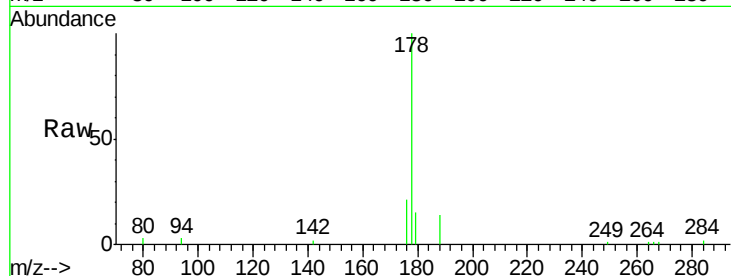




#13
Phenanthrene
Concen: 0.23 ng
RT: 19.88 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BE089553.D
Acq: 10 Feb 2015 17:08

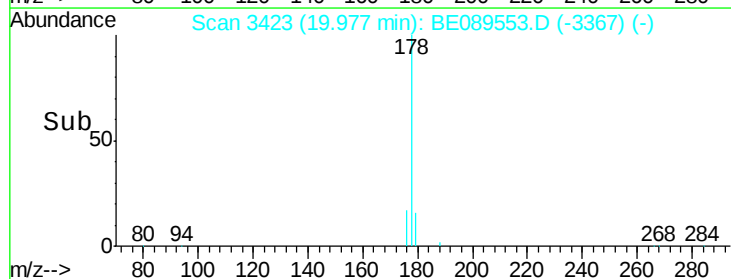
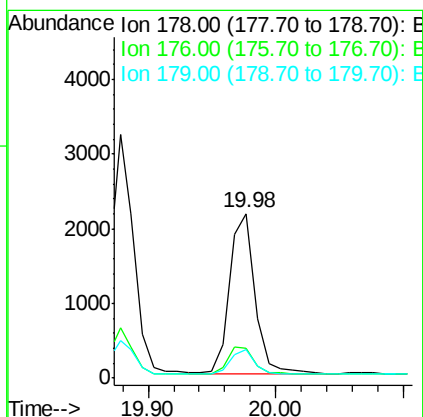
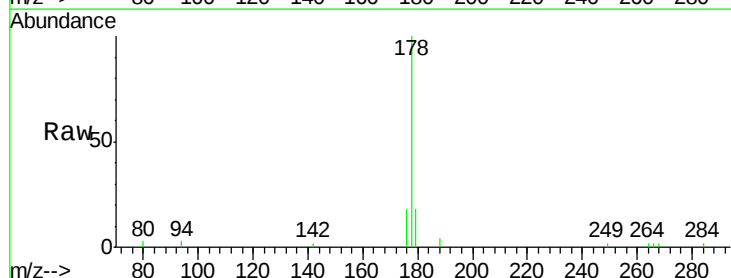
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

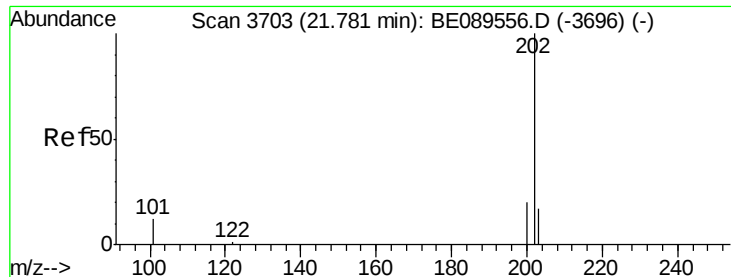
Tgt Ion:178 Resp: 4105
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 16.4 12.1 18.1



#14
Anthracene
Concen: 0.19 ng
RT: 19.98 min Scan# 3423
Delta R.T. 0.01 min
Lab File: BE089553.D
Acq: 10 Feb 2015 17:08

Tgt Ion:178 Resp: 2966
Ion Ratio Lower Upper
178 100
176 19.5 14.6 21.8
179 14.9 12.7 19.1

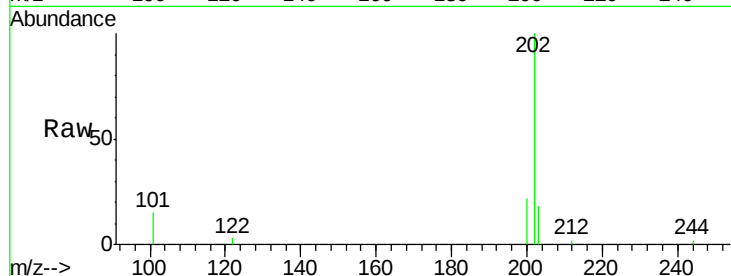




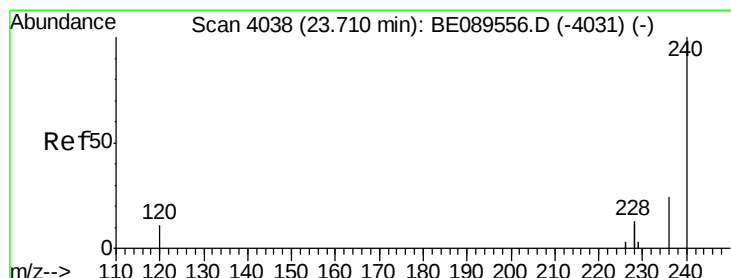
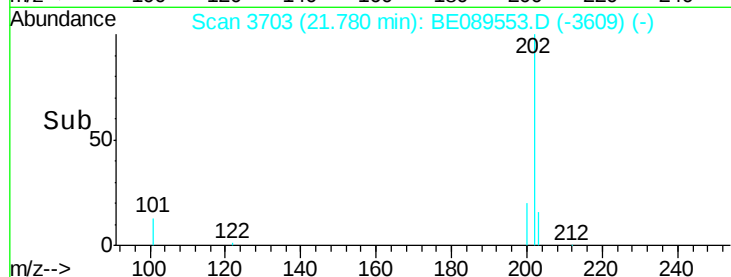
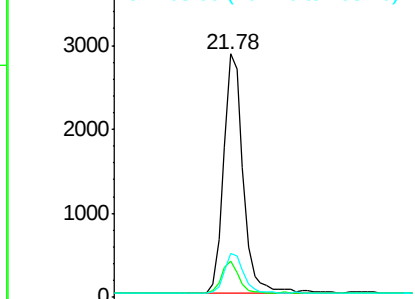
#15
 Fluoranthene
 Concen: 0.21 ng
 RT: 21.78 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: BE089553.D
 Acq: 10 Feb 2015 17:08

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion: 202 Resp: 3473
 Ion Ratio Lower Upper
 202 100
 101 12.5 10.4 15.6
 203 16.5 13.6 20.4

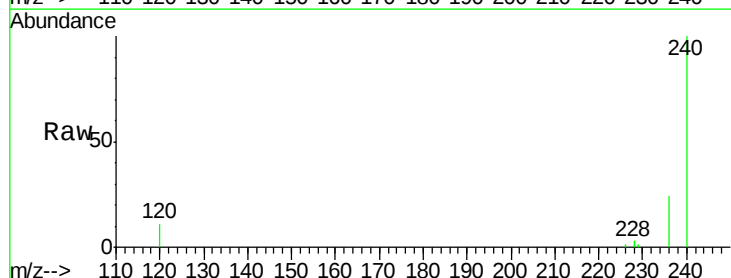


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

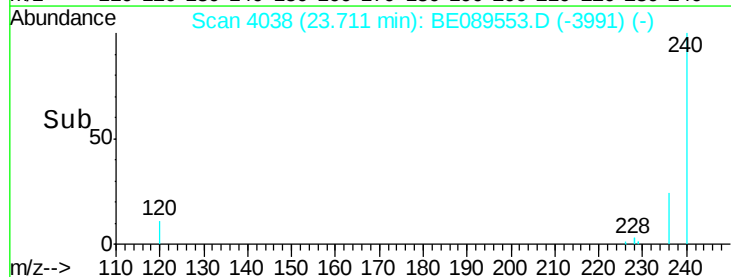
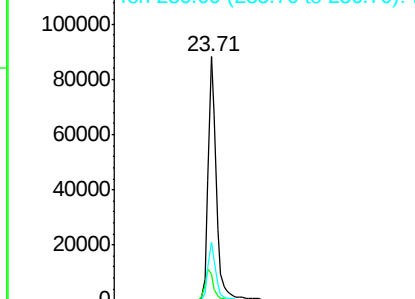


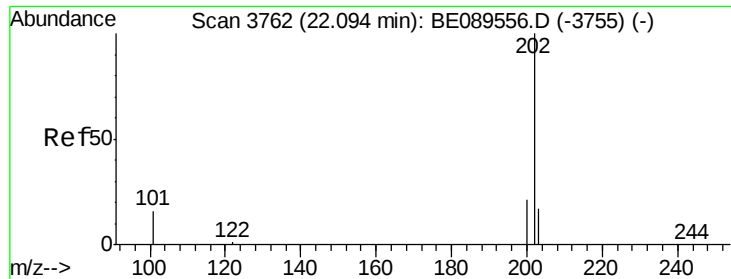
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 4038
 Delta R.T. 0.00 min
 Lab File: BE089553.D
 Acq: 10 Feb 2015 17:08

Tgt Ion: 240 Resp: 100723
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.3 13.9
 236 23.8 19.3 28.9



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

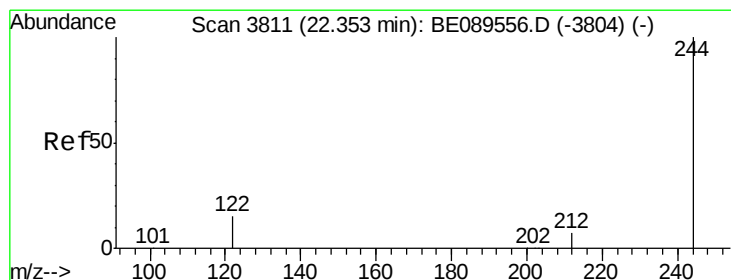
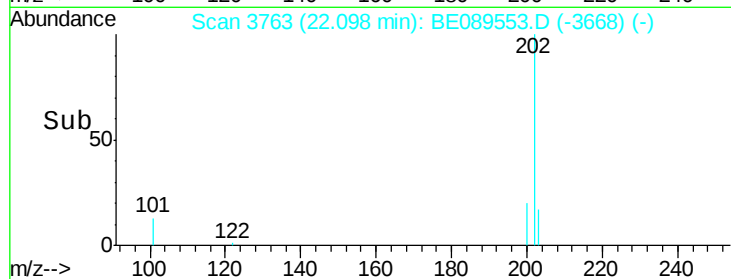
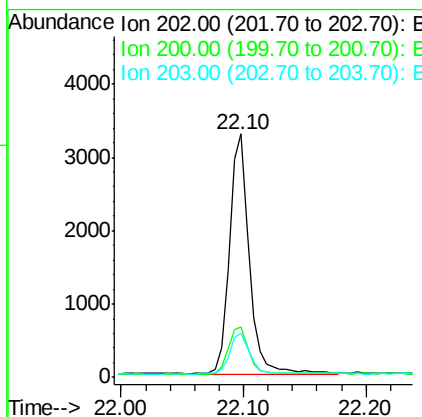
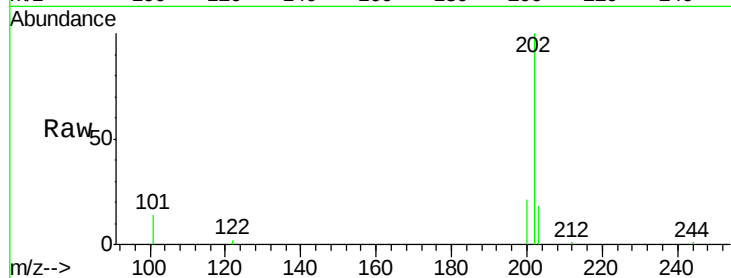




#17
 Pyrene
 Concen: 0.17 ng
 RT: 22.10 min Scan# 3763
 Delta R.T. 0.00 min
 Lab File: BE089553.D
 Acq: 10 Feb 2015 17:08

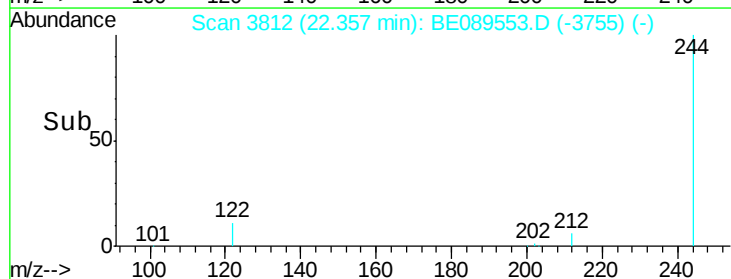
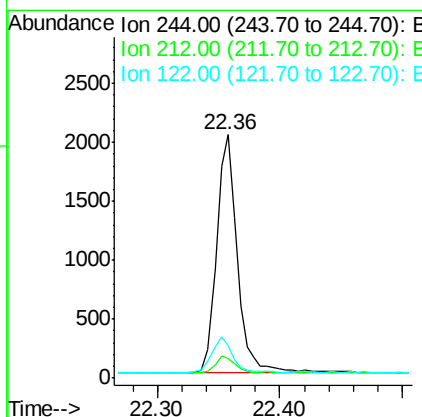
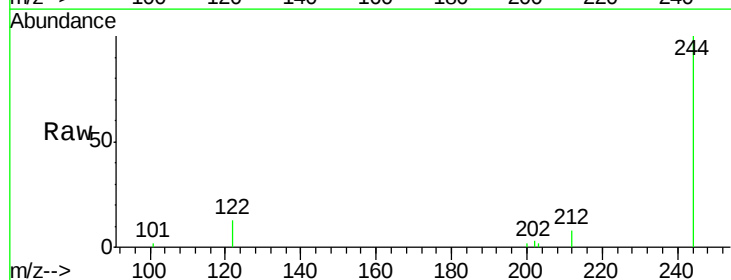
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

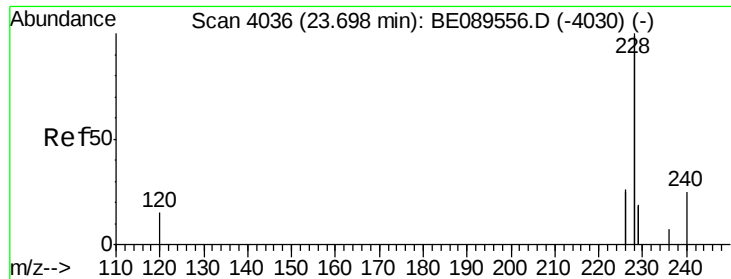
Tgt Ion: 202 Resp: 3685
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.6 24.8
 203 17.6 14.2 21.2



#18
 Terphenyl-d14
 Concen: 0.17 ng
 RT: 22.36 min Scan# 3812
 Delta R.T. 0.00 min
 Lab File: BE089553.D
 Acq: 10 Feb 2015 17:08

Tgt Ion: 244 Resp: 2379
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.9 8.9
 122 13.3 12.2 18.2





#19

Benzo(a)anthracene

Concen: 0.19 ng

RT: 23.70 min Scan# 4036

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

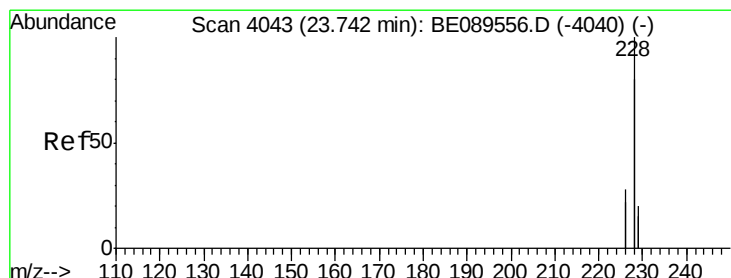
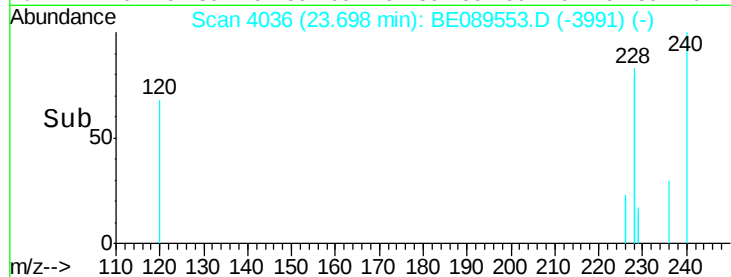
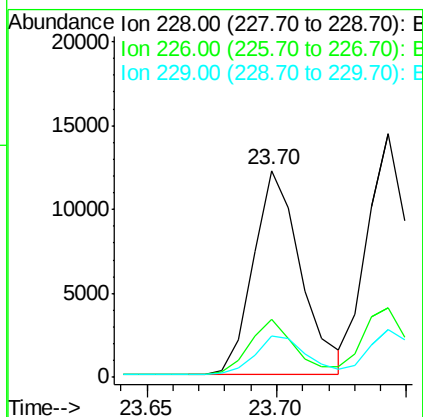
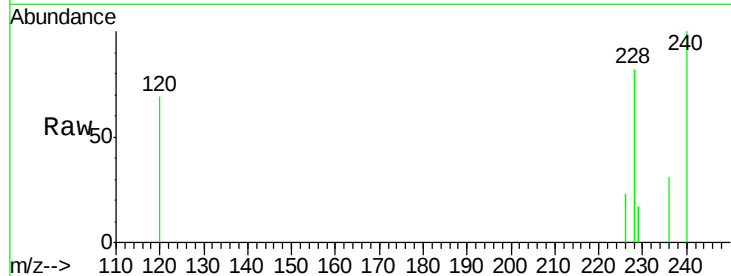
Tgt Ion:228 Resp: 15380

Ion Ratio Lower Upper

228 100

226 28.0 21.0 31.4

229 20.1 15.2 22.8



#20

Chrysene

Concen: 0.23 ng

RT: 23.74 min Scan# 4043

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

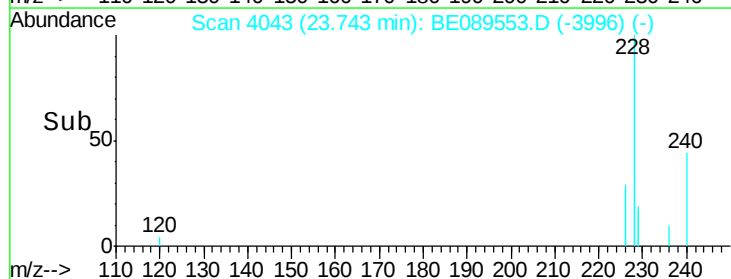
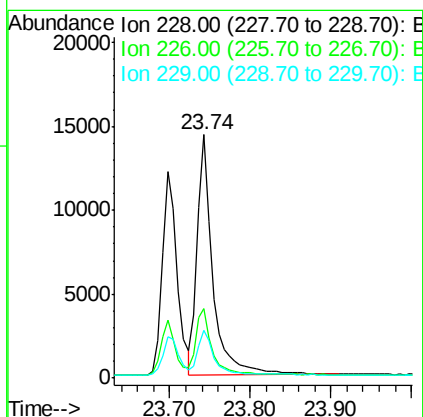
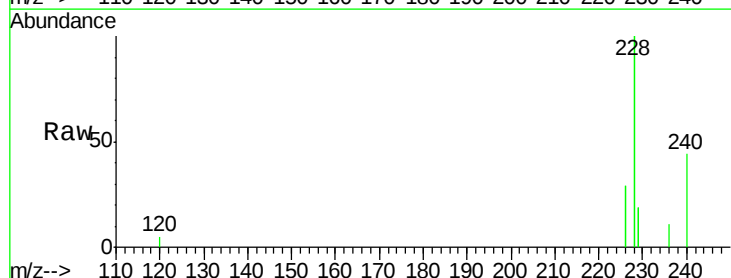
Tgt Ion:228 Resp: 19457

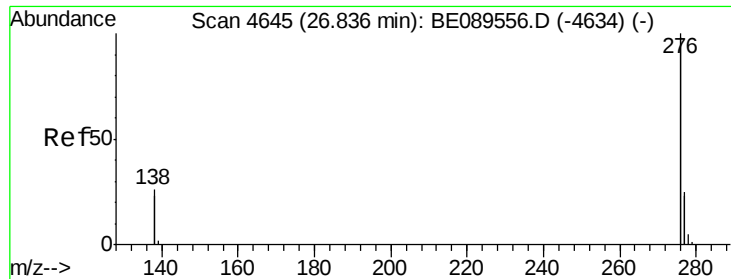
Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

229 19.5 15.6 23.4





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.23 ng

RT: 26.83 min Scan# 4645

Delta R.T. -0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

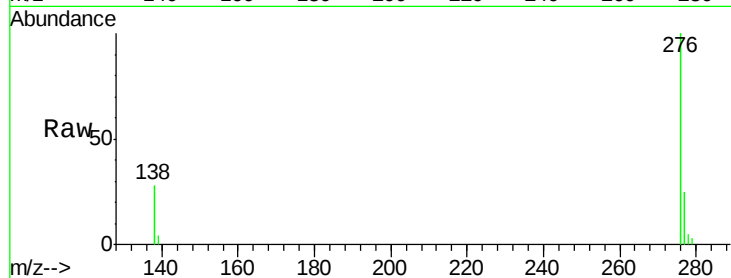
Tgt Ion: 276 Resp: 16798

Ion Ratio Lower Upper

276 100

138 26.2 20.2 30.4

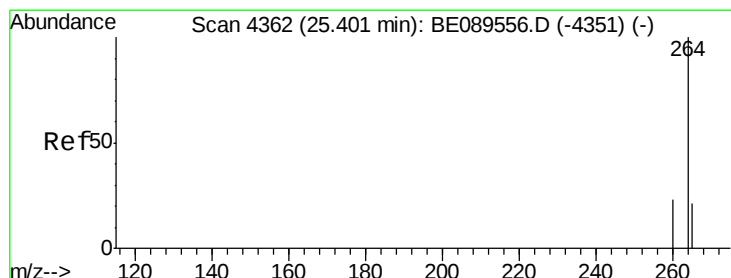
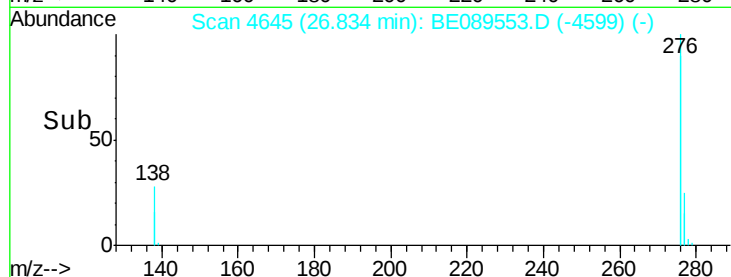
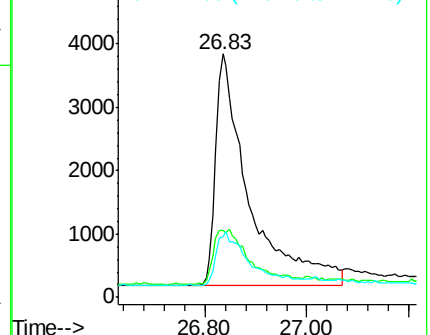
277 22.2 19.6 29.4



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: 25.40 min Scan# 4362

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

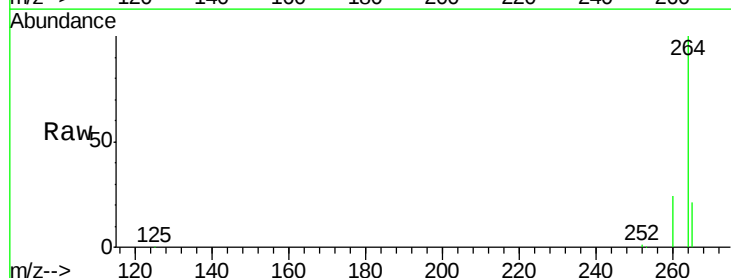
Tgt Ion: 264 Resp: 111906

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

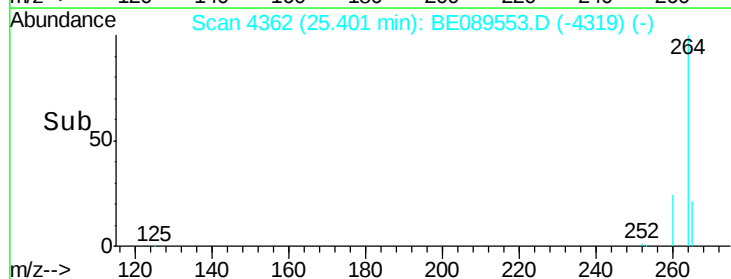
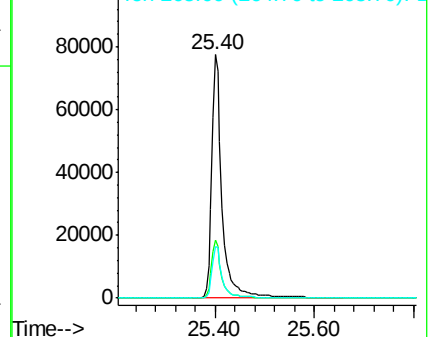
265 21.2 16.8 25.2

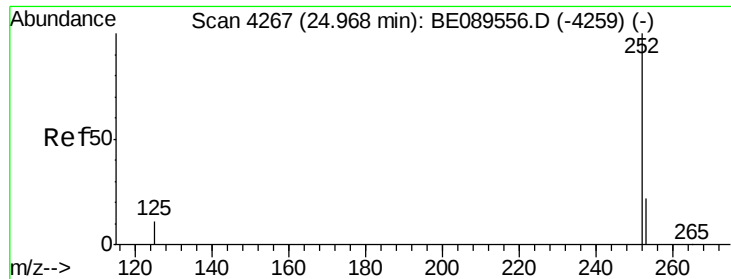


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.17 ng

RT: 24.97 min Scan# 4267

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

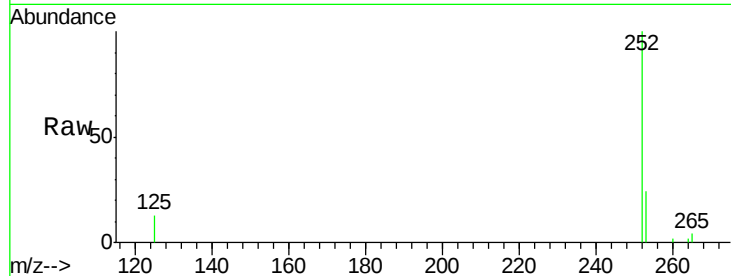
Tgt Ion:252 Resp: 2793

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

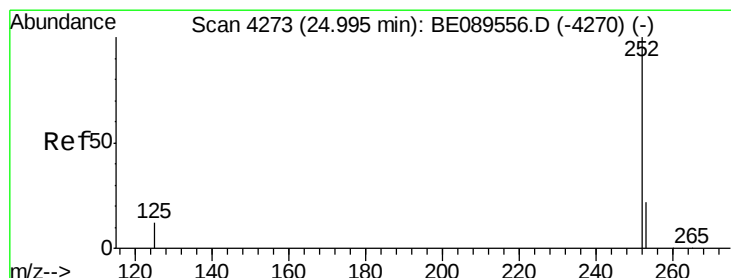
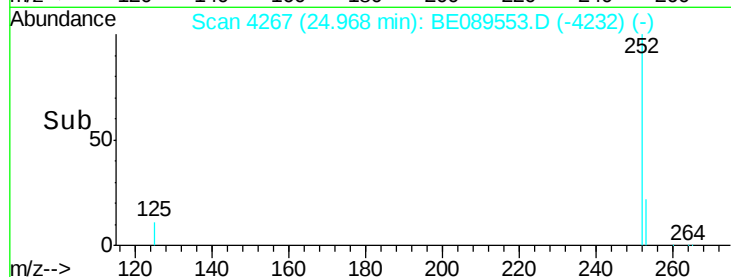
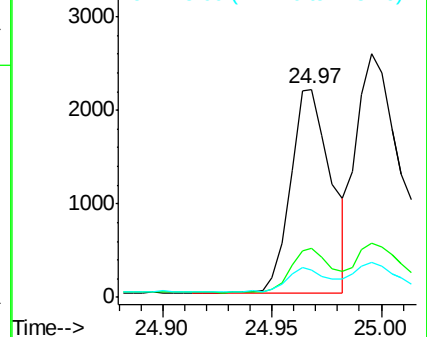
125 13.3 9.3 13.9



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: 0.17 ng m

RT: 25.00 min Scan# 4273

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

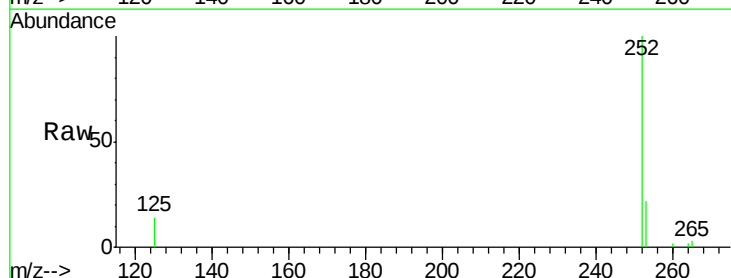
Tgt Ion:252 Resp: 4440

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

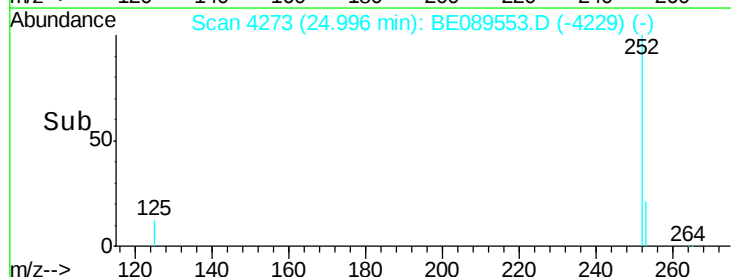
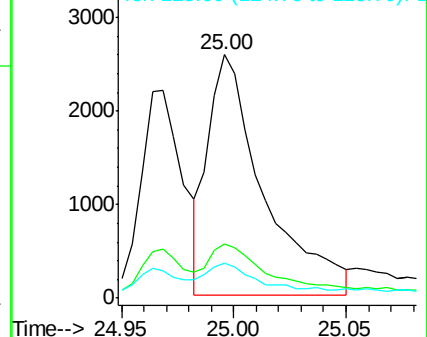
125 14.4 9.6 14.4#

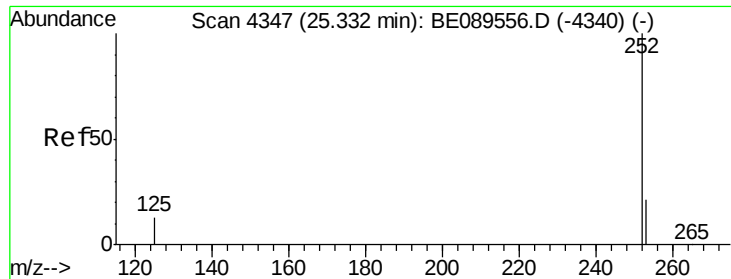


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.17 ng

RT: 25.33 min Scan# 4347

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

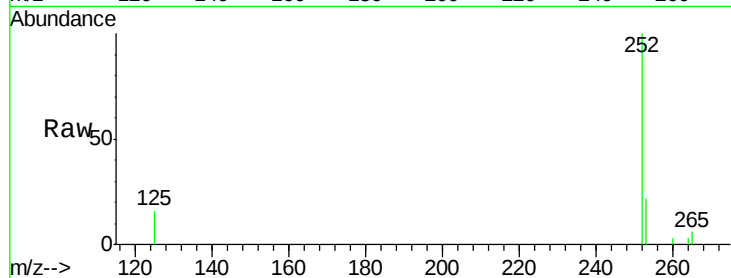
Tgt Ion:252 Resp: 2893

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

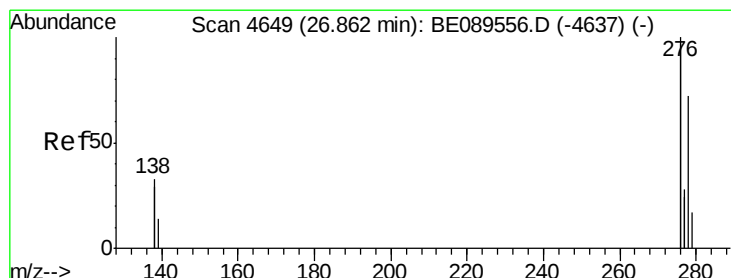
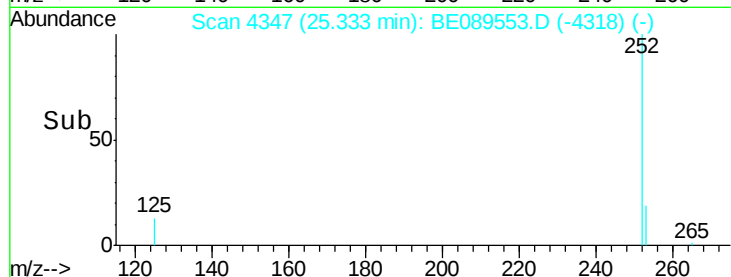
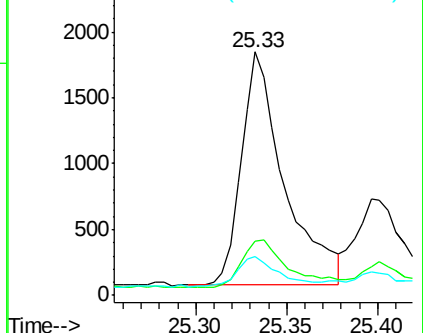
125 15.8 11.1 16.7



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: 0.19 ng

RT: 26.87 min Scan# 4650

Delta R.T. 0.01 min

Lab File: BE089553.D

Acq: 10 Feb 2015 17:08

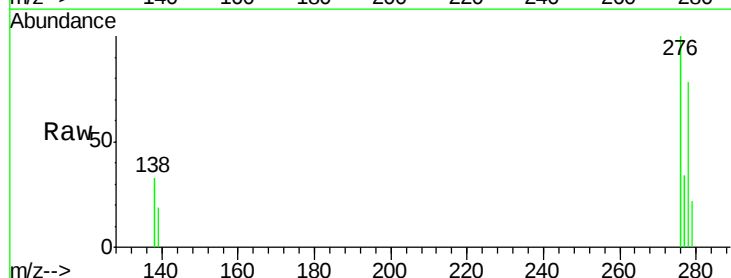
Tgt Ion:278 Resp: 3279

Ion Ratio Lower Upper

278 100

139 23.9 16.1 24.1

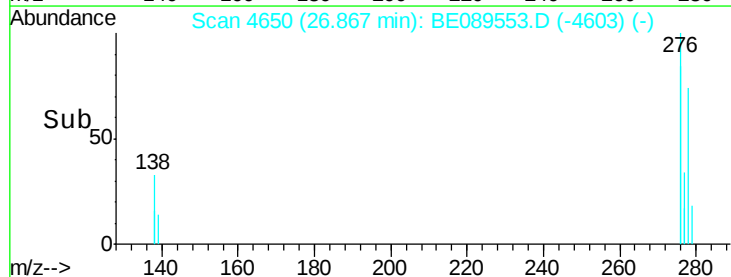
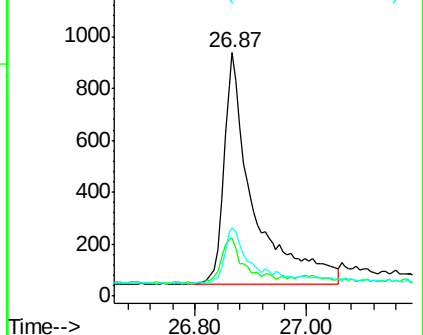
279 28.1 19.6 29.4

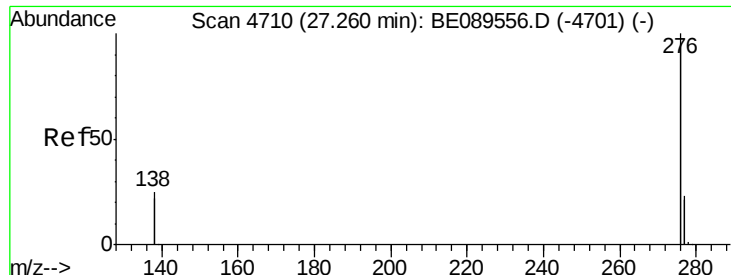


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

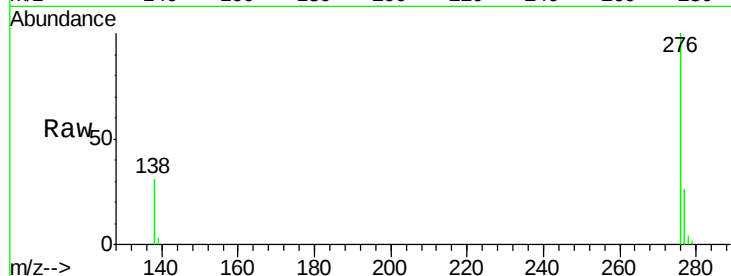




#27
 Benzo(g,h,i)perylene
 Concen: 0.21 ng
 RT: 27.26 min Scan# 4710
 Delta R.T. -0.00 min
 Lab File: BE089553.D
 Acq: 10 Feb 2015 17:08

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion: 276 Resp: 16302
 Ion Ratio Lower Upper
 276 100
 277 25.7 18.7 28.1
 138 31.0 19.7 29.5#



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

