

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089646.D
 Acq On : 20 Feb 2015 4:23
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 20 07:54:15 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 13:01:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	49128	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	193730	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	96760	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	190730	5.00	ng	0.00
19) Chrysene-d12	23.66	240	193692	5.00	ng	0.00
25) Perylene-d12	25.34	264	163094	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	8367	0.99	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	26355	1.02	ng	0.00
21) Terphenyl-d14	22.30	244	28302	1.02	ng	0.00

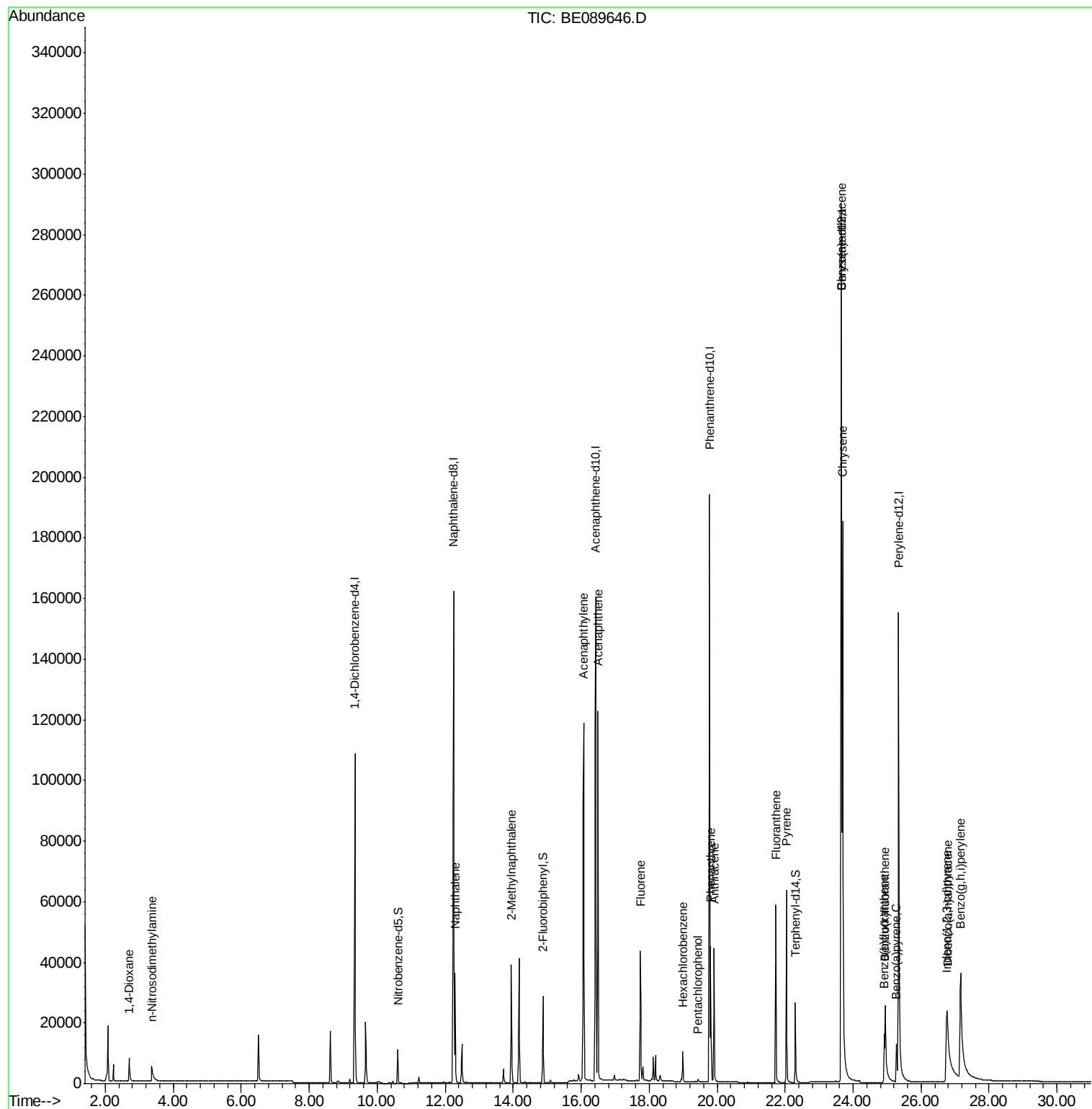
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.70	88	5874	0.98	ng	98
3) n-Nitrosodimethylamine	3.36	42	5539	0.96	ng	99
6) Naphthalene	12.29	128	43913	1.01	ng	99
7) 2-Methylnaphthalene	13.95	142	27009	1.01	ng	98
10) Acenaphthylene	16.07	152	159680	1.02	ng	100
11) Acenaphthene	16.49	154	25301	1.00	ng	99
12) Fluorene	17.74	166	29498	1.01	ng	99
14) Hexachlorobenzene	19.00	284	8563	1.05	ng	95
15) Pentachlorophenol	19.44	266	932	0.82	ng	99
16) Phenanthrene	19.81	178	46105	0.99	ng	100
17) Anthracene	19.91	178	40633	1.02	ng	99
18) Fluoranthene	21.72	202	44473	1.00	ng	100
20) Pyrene	22.03	202	48720	1.02	ng	100
22) Benzo(a)anthracene	23.64	228	154692	0.91	ng	99
23) Chrysene	23.69	228	196975	1.03	ng	99
24) Indeno(1,2,3-cd)pyrene	26.75	276	93586	0.70	ng	99
26) Benzo(b)fluoranthene	24.91	252	16406	0.67	ng	100
27) Benzo(k)fluoranthene	24.94	252	49128	1.06	ng	99
28) Benzo(a)pyrene	25.27	252	19069	0.74	ng	99
29) Dibenzo(a,h)anthracene	26.77	278	17082	0.70	ng	98
30) Benzo(g,h,i)perylene	27.16	276	102955	0.82	ng	99

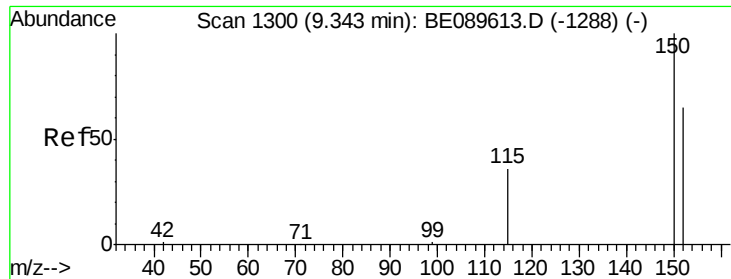
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

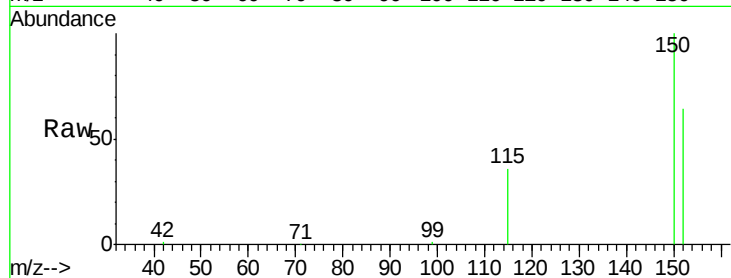
Tgt Ion:152 Resp: 49128

Ion Ratio Lower Upper

152 100

150 155.1 122.4 183.6

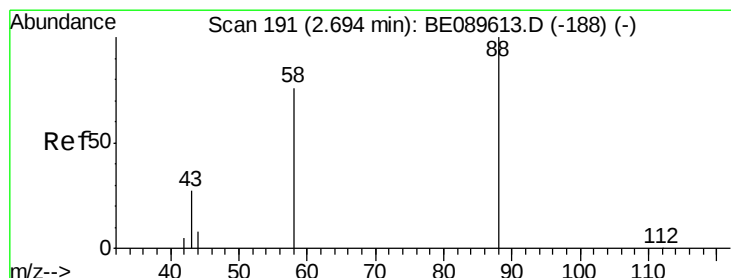
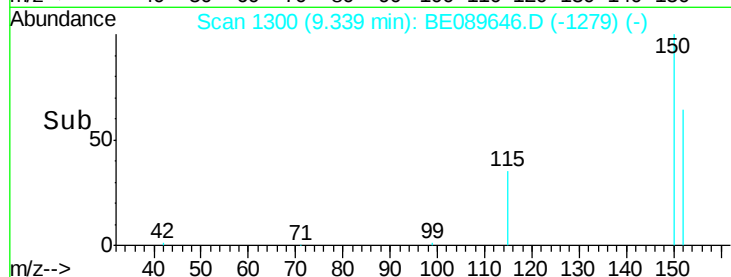
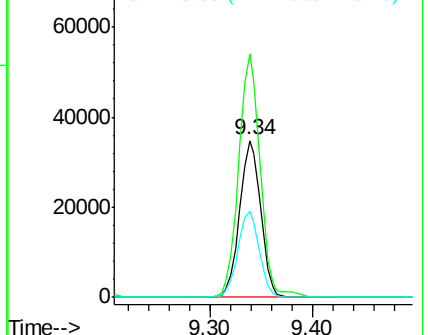
115 55.1 44.2 66.2



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

1,4-Dioxane

Concen: 0.98 ng

RT: 2.70 min Scan# 192

Delta R.T. 0.01 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

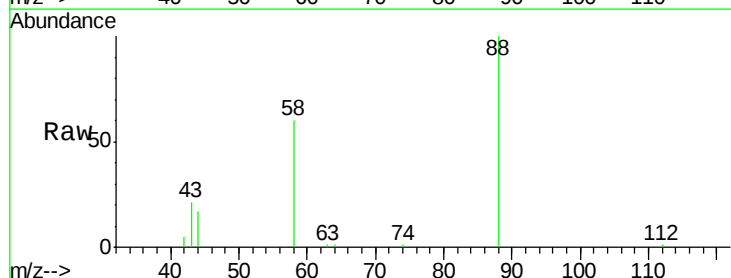
Tgt Ion: 88 Resp: 5874

Ion Ratio Lower Upper

88 100

58 67.2 54.6 81.8

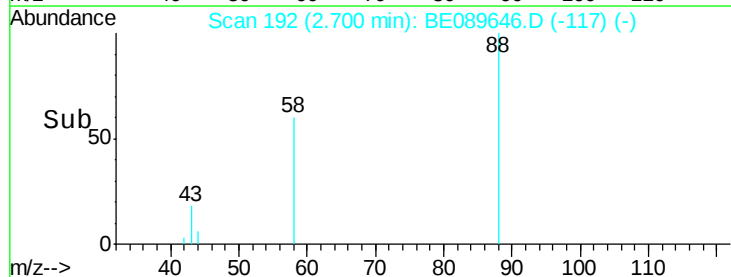
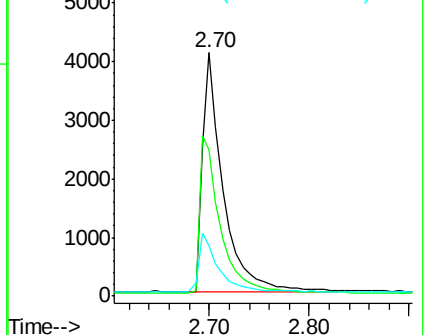
43 23.3 20.6 30.8

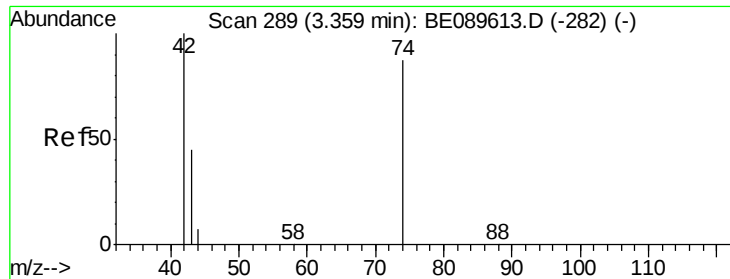


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



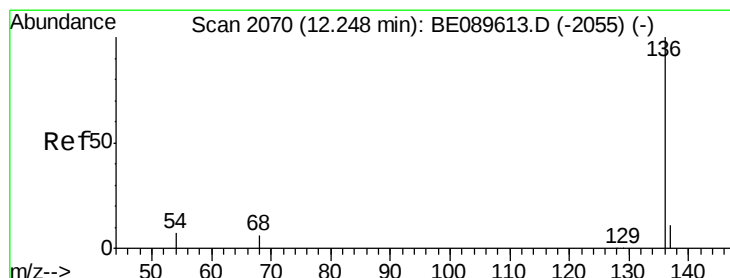
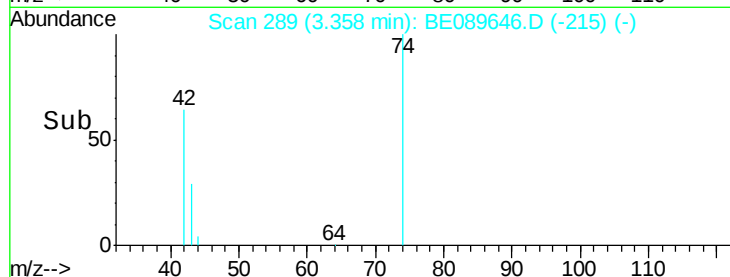
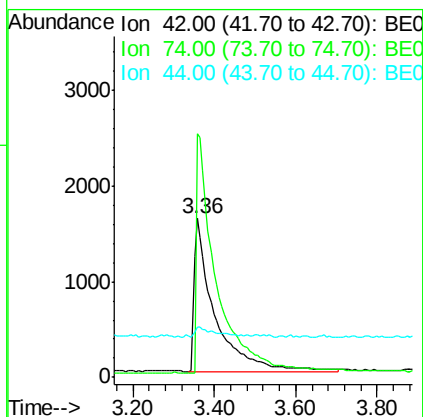
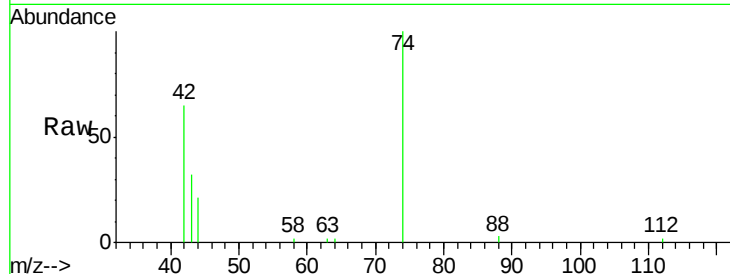


#3

n-Nitrosodimethylamine
 Concen: 0.96 ng
 RT: 3.36 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: BE089646.D
 Acq: 20 Feb 2015 4:23

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

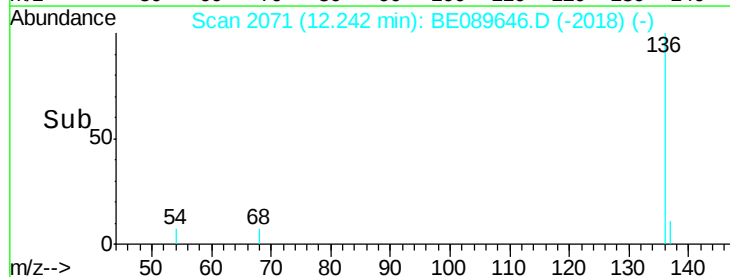
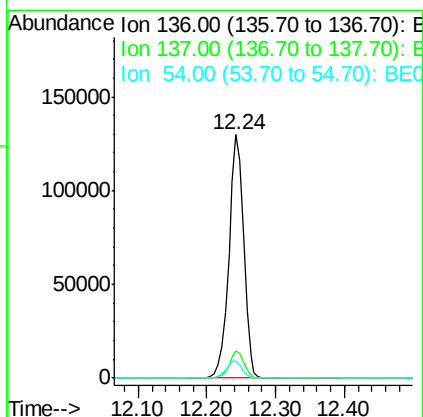
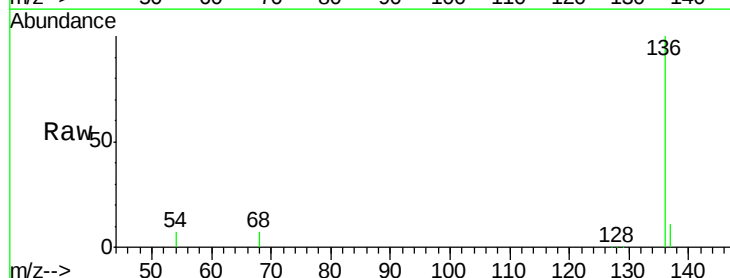
Tgt Ion: 42 Resp: 5539
 Ion Ratio Lower Upper
 42 100
 74 153.6 121.4 182.0
 44 6.0 4.5 6.7

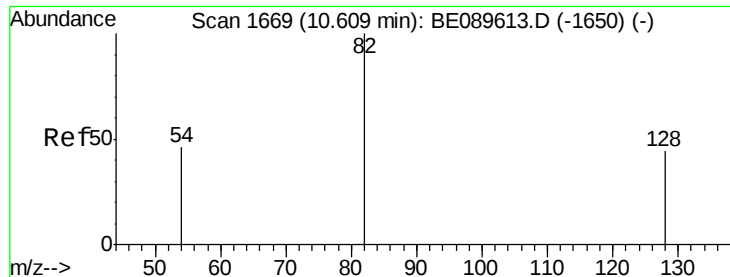


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: BE089646.D
 Acq: 20 Feb 2015 4:23

Tgt Ion: 136 Resp: 193730
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.9 13.3
 54 7.1 5.3 7.9





#5

Nitrobenzene-d5

Concen: 0.99 ng

RT: 10.61 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

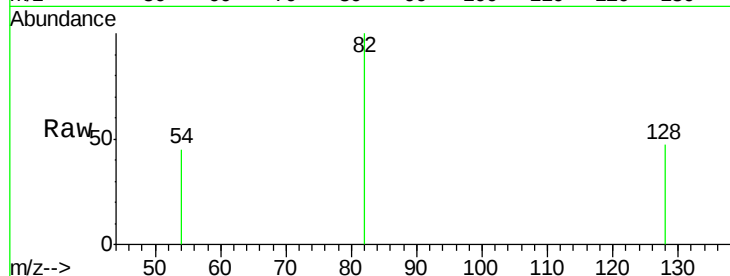
Tgt Ion: 82 Resp: 8367

Ion Ratio Lower Upper

82 100

128 47.1 35.5 53.3

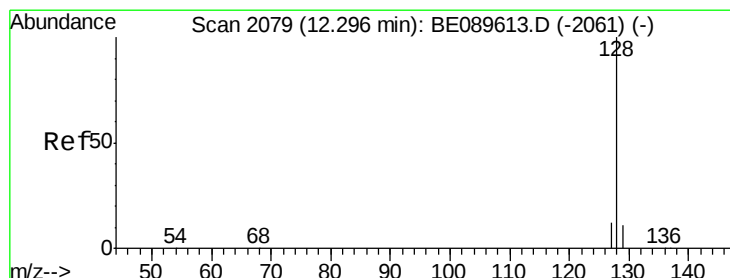
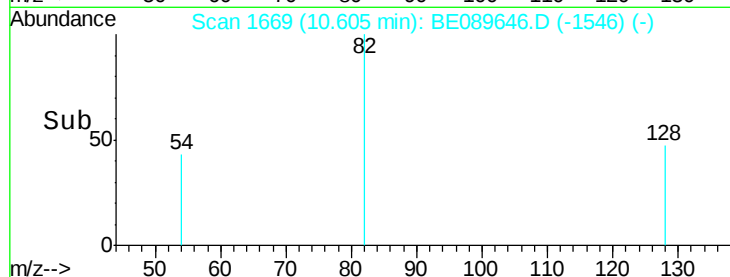
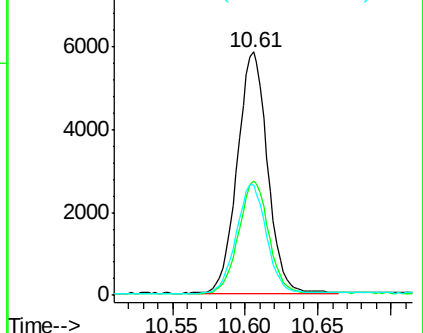
54 45.5 37.5 56.3



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



#6

Naphthalene

Concen: 1.01 ng

RT: 12.29 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

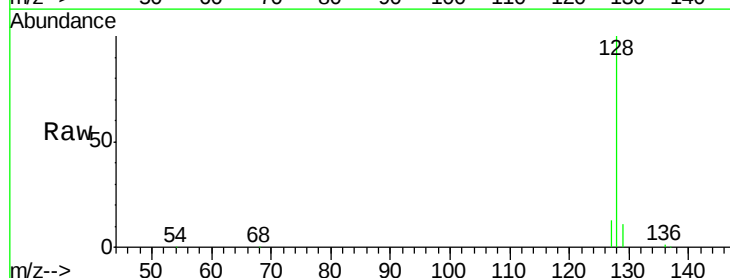
Tgt Ion: 128 Resp: 43913

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

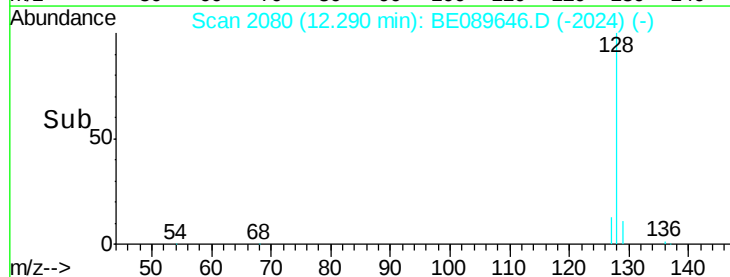
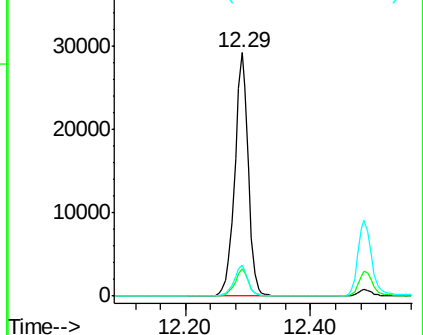
127 12.7 9.8 14.8



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





#7

2-Methylnaphthalene

Concen: 1.01 ng

RT: 13.95 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

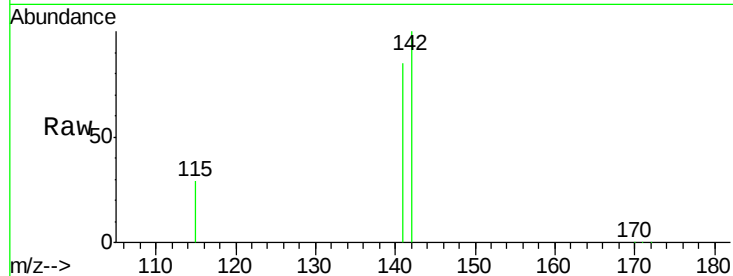
Tgt Ion:142 Resp: 27009

Ion Ratio Lower Upper

142 100

141 84.5 68.3 102.5

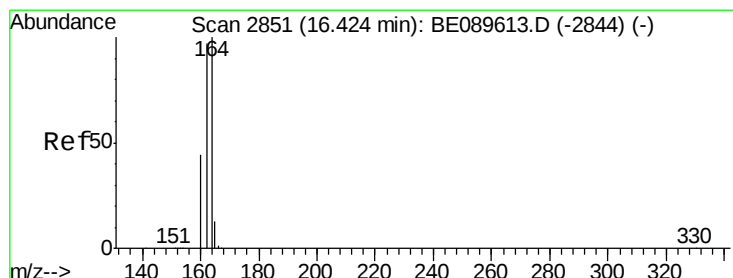
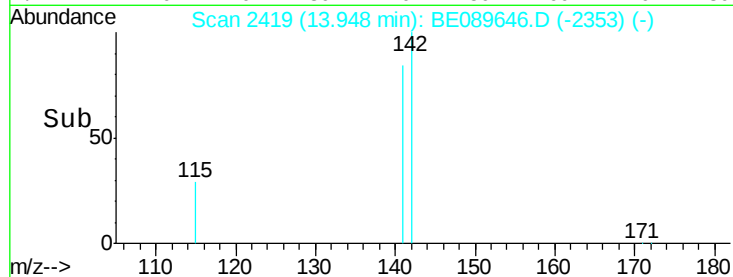
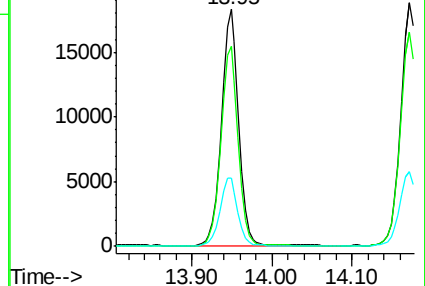
115 28.8 25.1 37.7



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



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

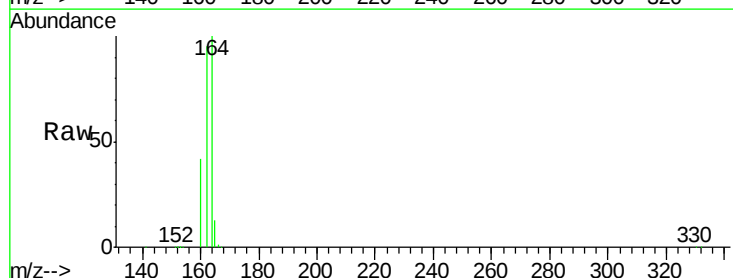
Tgt Ion:164 Resp: 96760

Ion Ratio Lower Upper

164 100

162 94.6 77.5 116.3

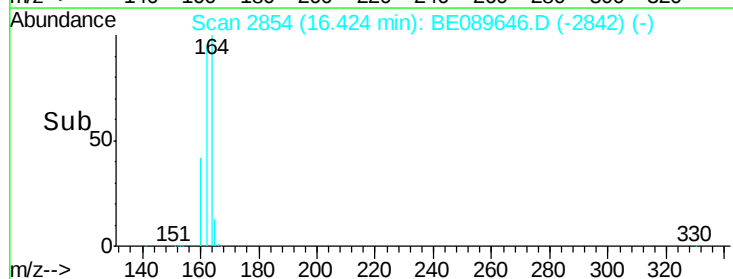
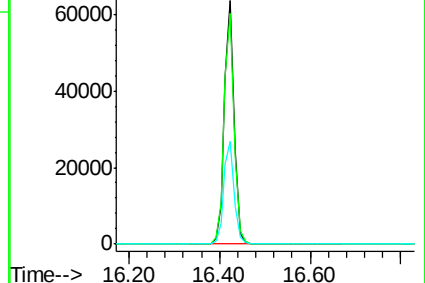
160 42.1 35.5 53.3



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

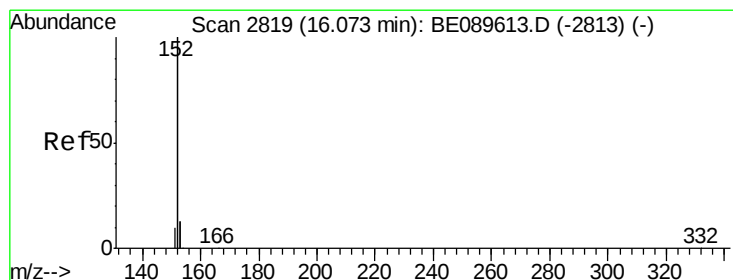
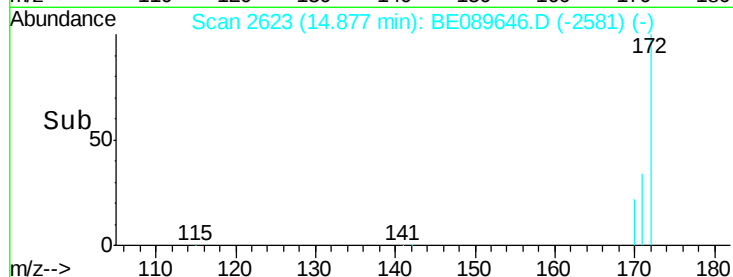
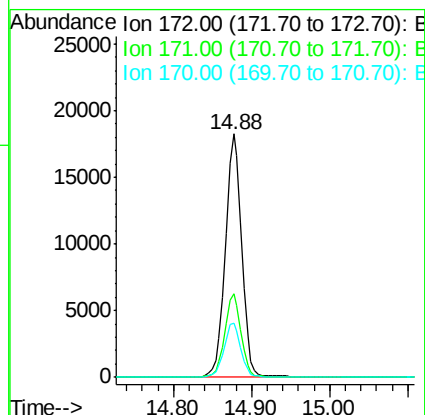
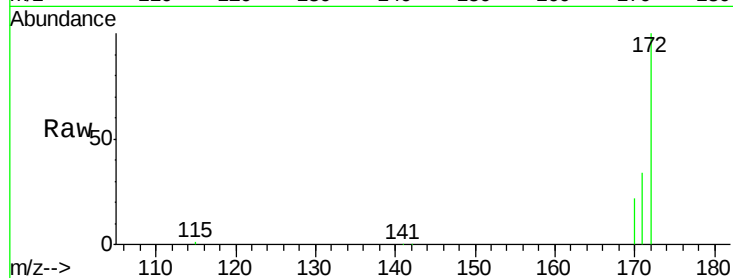




#9
2-Fluorobiphenyl
Concen: 1.02 ng
RT: 14.88 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BE089646.D
Acq: 20 Feb 2015 4:23

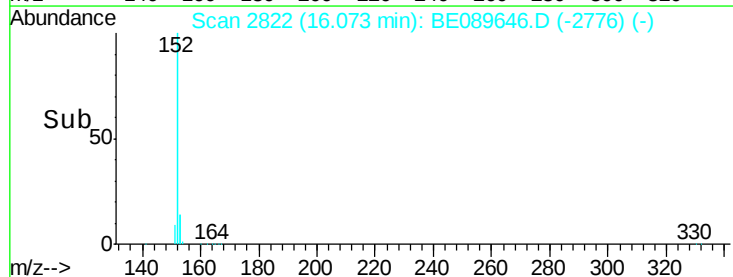
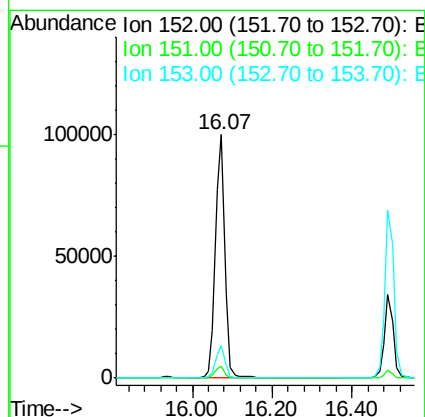
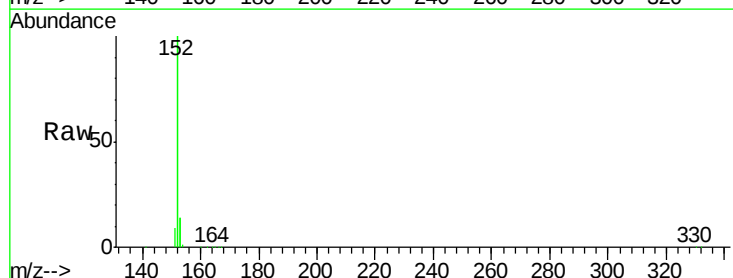
Instrument :
BNA_E
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SSTDCCC001

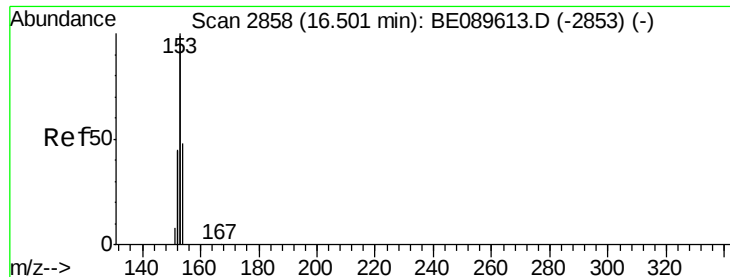
Tgt Ion:172 Resp: 26355
Ion Ratio Lower Upper
172 100
171 34.1 26.9 40.3
170 22.4 17.4 26.0



#10
Acenaphthylene
Concen: 1.02 ng
RT: 16.07 min Scan# 2822
Delta R.T. 0.00 min
Lab File: BE089646.D
Acq: 20 Feb 2015 4:23

Tgt Ion:152 Resp: 159680
Ion Ratio Lower Upper
152 100
151 4.8 3.9 5.9
153 13.0 10.5 15.7





#11

Acenaphthene

Concen: 1.00 ng

RT: 16.49 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

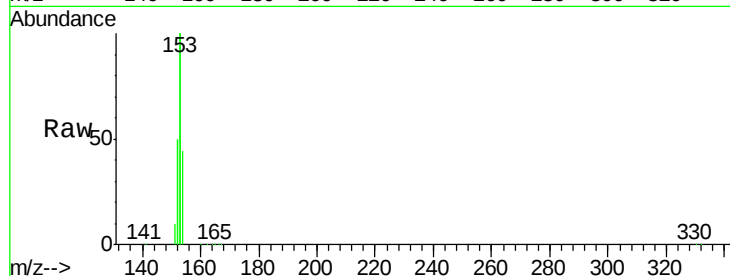
Tgt Ion:154 Resp: 25301

Ion Ratio Lower Upper

154 100

153 434.0 348.9 523.3

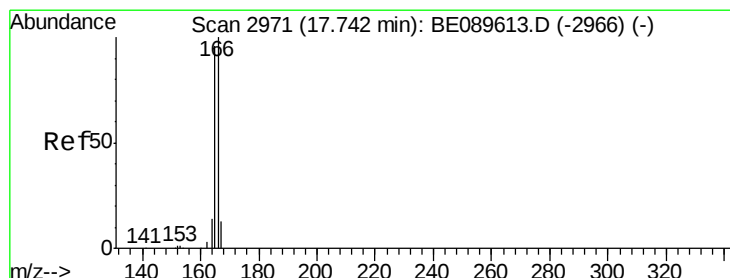
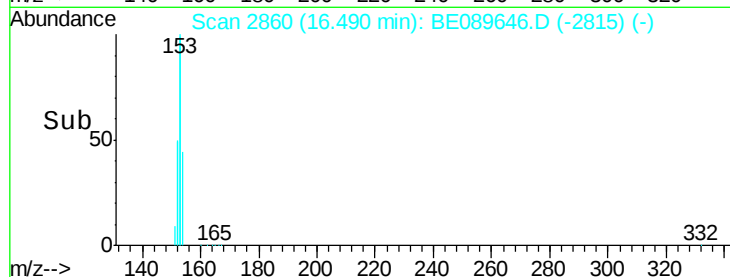
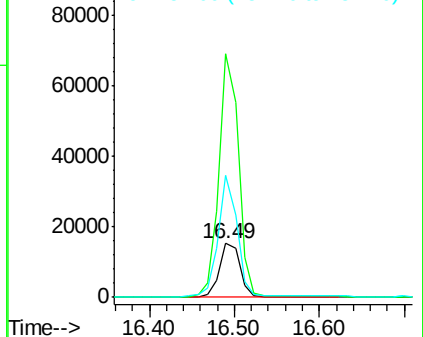
152 207.5 166.6 249.8



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



#12

Fluorene

Concen: 1.01 ng

RT: 17.74 min Scan# 2974

Delta R.T. 0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

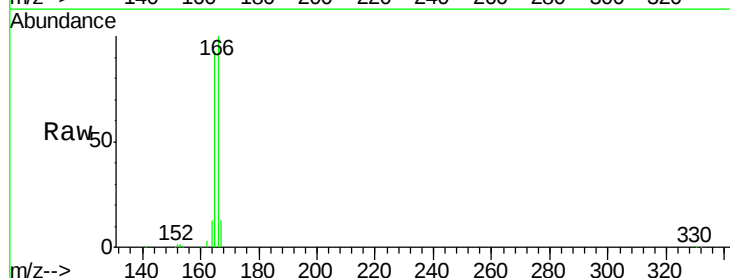
Tgt Ion:166 Resp: 29498

Ion Ratio Lower Upper

166 100

165 92.4 74.7 112.1

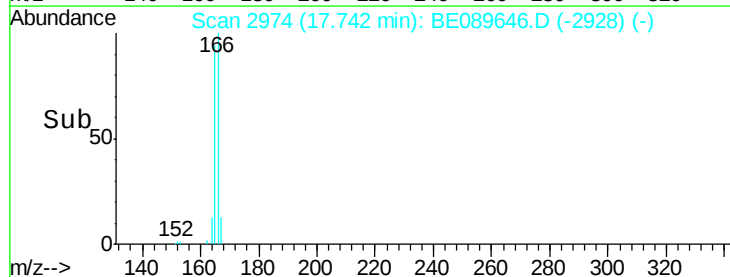
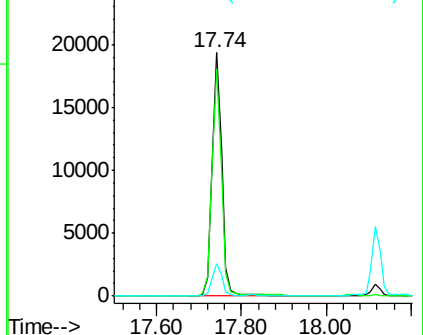
167 13.2 10.5 15.7

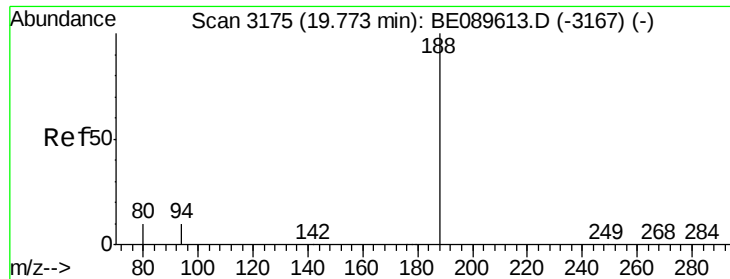


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

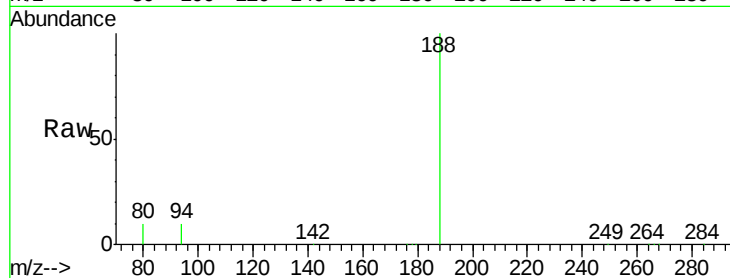
Tgt Ion:188 Resp: 190730

Ion Ratio Lower Upper

188 100

94 10.4 8.2 12.4

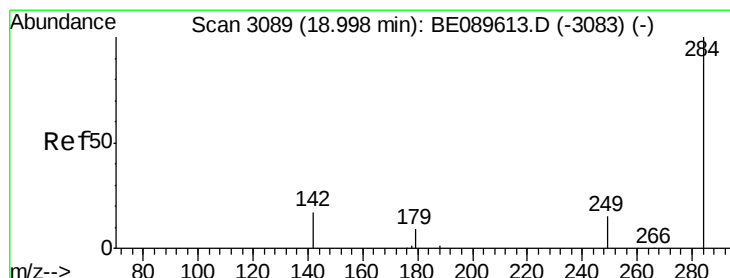
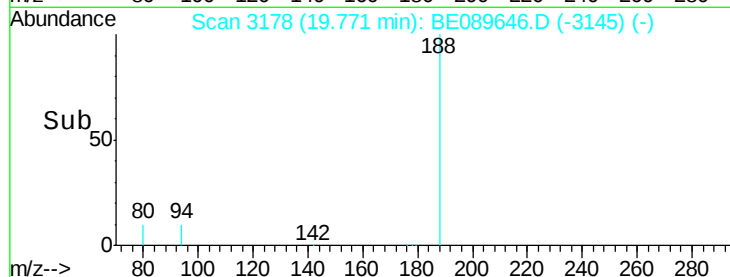
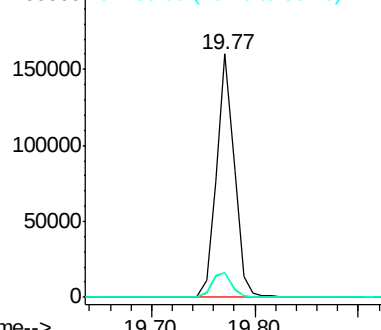
80 10.2 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#14

Hexachlorobenzene

Concen: 1.05 ng

RT: 19.00 min Scan# 3092

Delta R.T. -0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

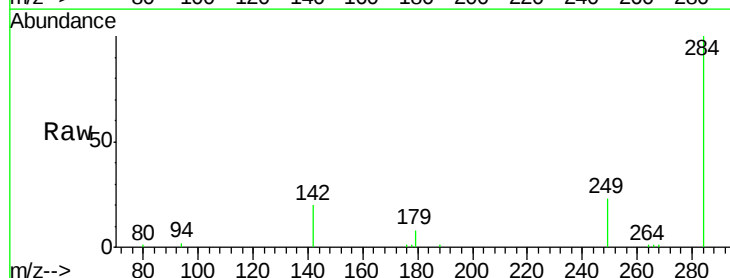
Tgt Ion:284 Resp: 8563

Ion Ratio Lower Upper

284 100

142 36.3 32.3 48.5

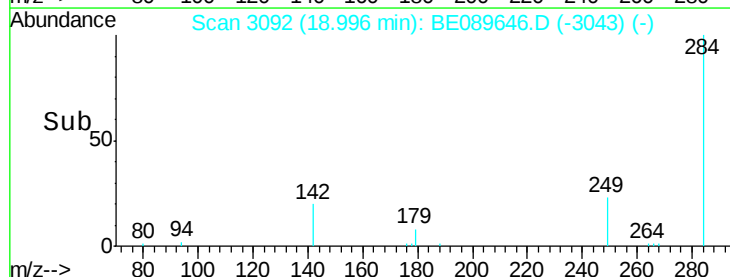
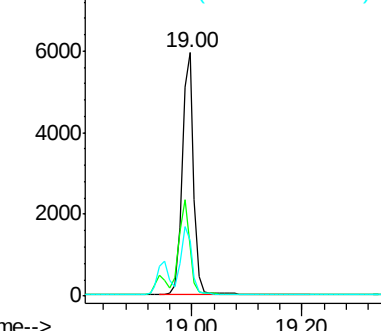
249 26.6 22.3 33.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

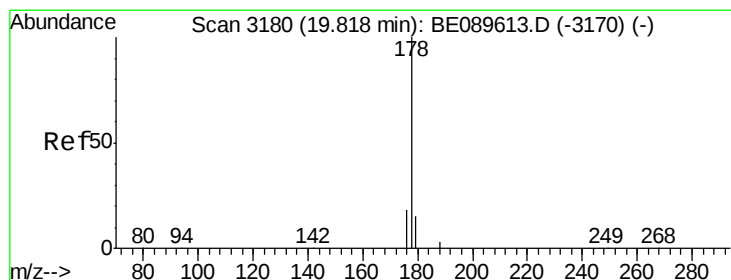
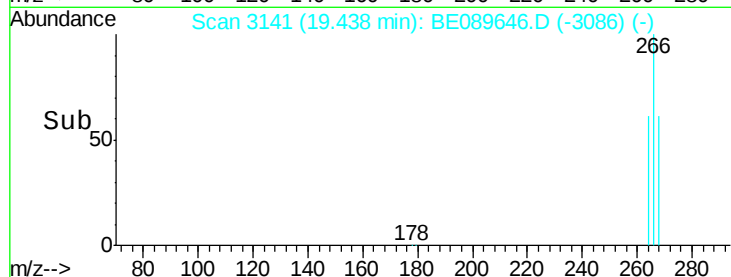
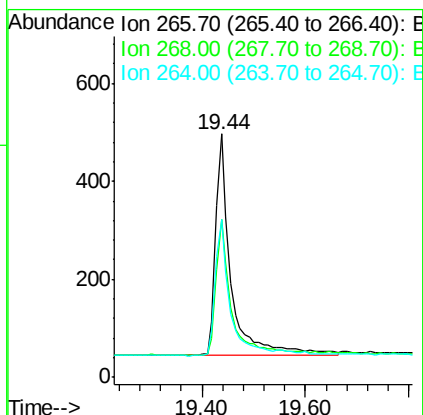
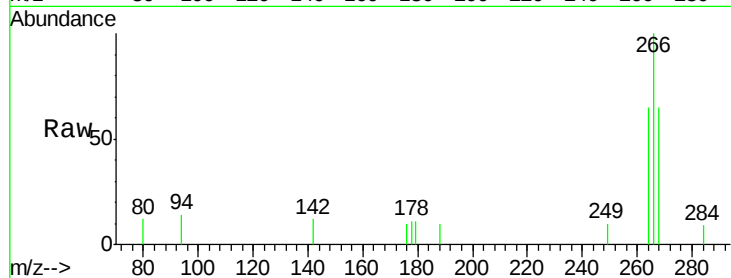




#15
 Pentachlorophenol
 Concen: 0.82 ng
 RT: 19.44 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BE089646.D
 Acq: 20 Feb 2015 4:23

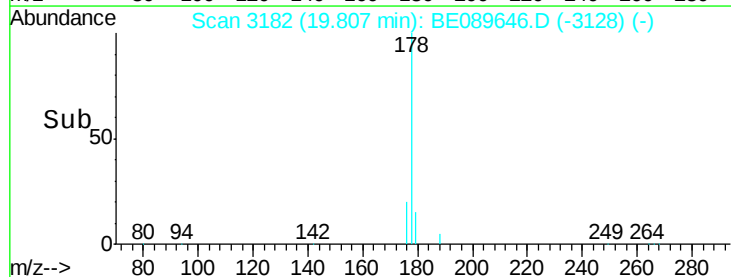
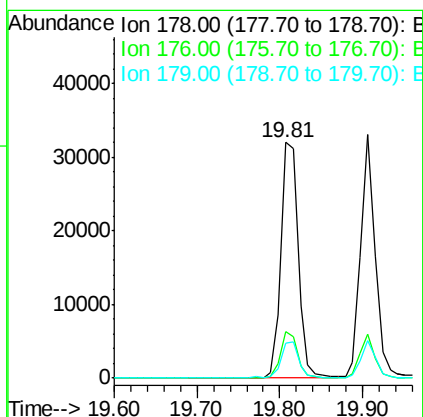
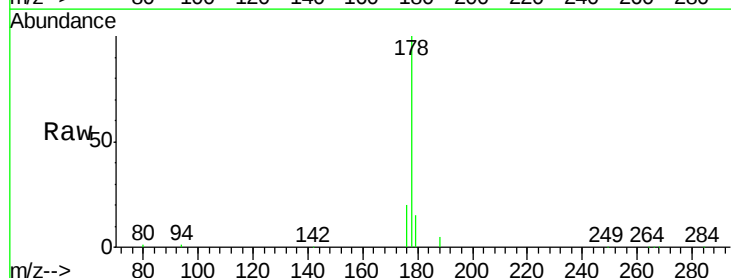
Instrument :
 BNA_E
 LabSampleId :
 SSTCCCC001

Tgt Ion: 266 Resp: 932
 Ion Ratio Lower Upper
 266 100
 268 64.6 52.6 79.0
 264 64.6 51.8 77.8



#16
 Phenanthrene
 Concen: 0.99 ng
 RT: 19.81 min Scan# 3182
 Delta R.T. -0.01 min
 Lab File: BE089646.D
 Acq: 20 Feb 2015 4:23

Tgt Ion: 178 Resp: 46105
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.1 22.7
 179 15.6 12.3 18.5

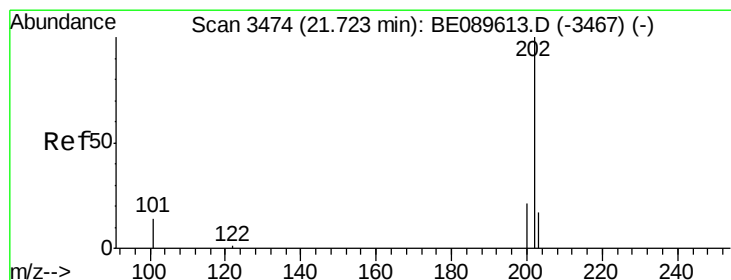
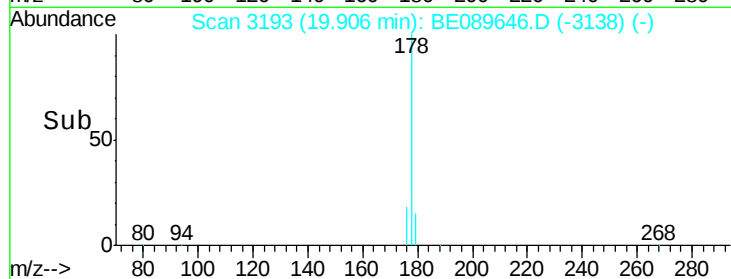
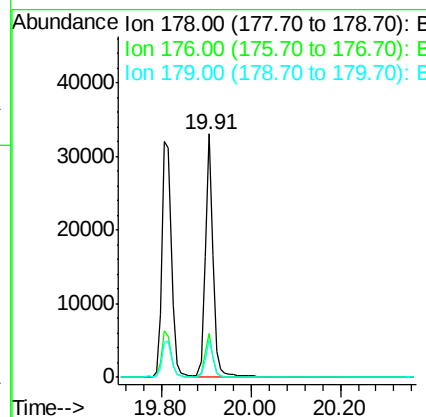
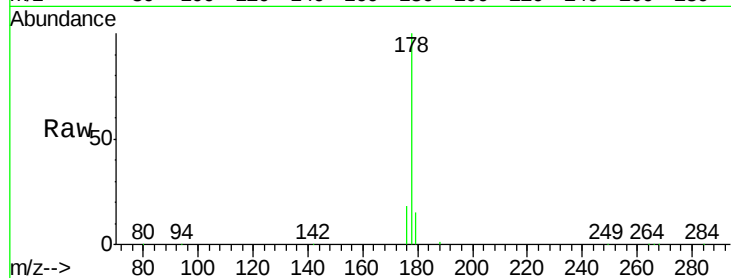




#17
 Anthracene
 Concen: 1.02 ng
 RT: 19.91 min Scan# 3193
 Delta R.T. -0.00 min
 Lab File: BE089646.D
 Acq: 20 Feb 2015 4:23

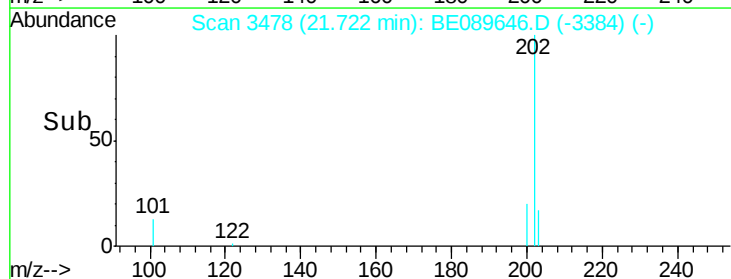
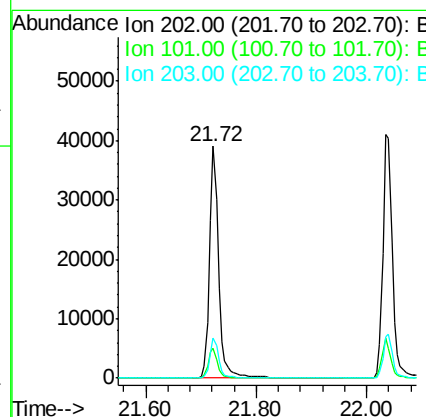
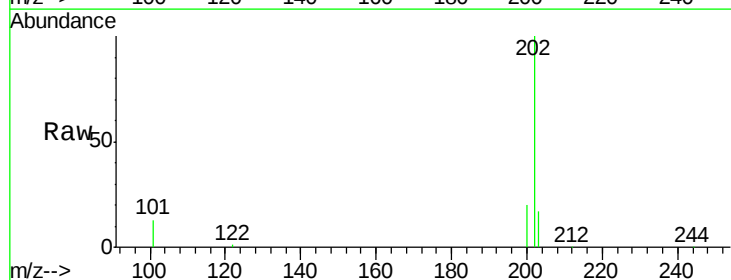
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

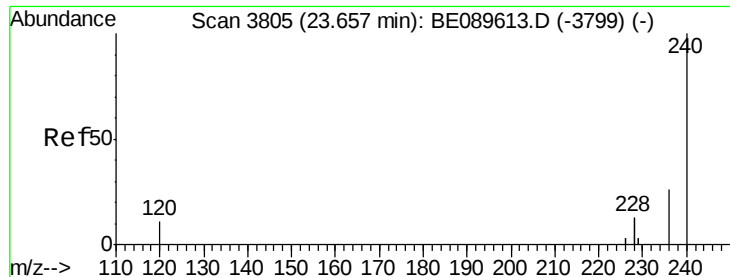
Tgt Ion:178 Resp: 40633
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 22.0
 179 15.2 12.3 18.5



#18
 Fluoranthene
 Concen: 1.00 ng
 RT: 21.72 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: BE089646.D
 Acq: 20 Feb 2015 4:23

Tgt Ion:202 Resp: 44473
 Ion Ratio Lower Upper
 202 100
 101 13.1 10.4 15.6
 203 17.3 13.9 20.9





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3809

Delta R.T. 0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

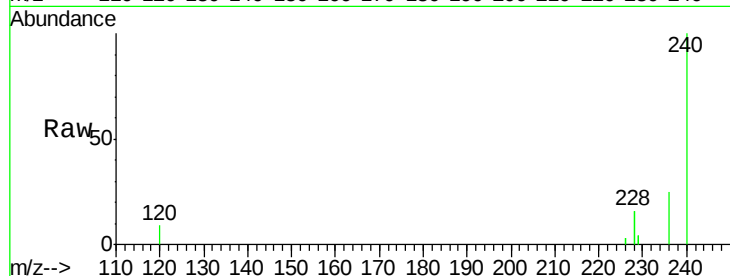
Tgt Ion:240 Resp: 193692

Ion Ratio Lower Upper

240 100

120 9.3 9.0 13.4

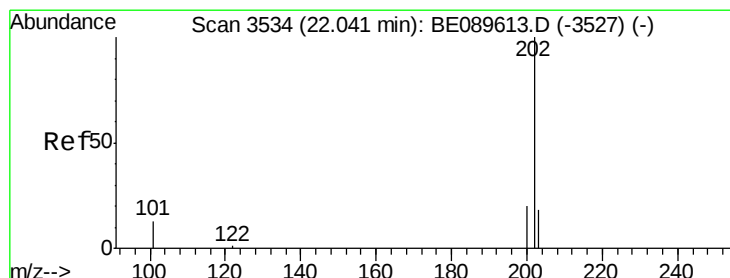
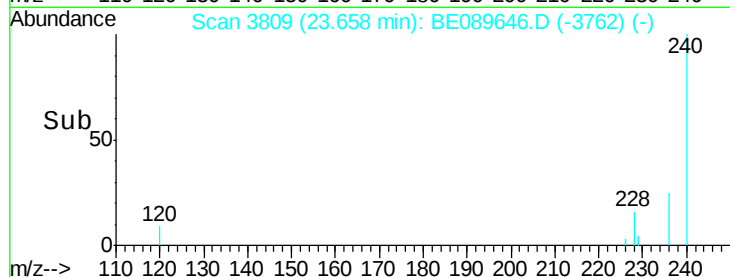
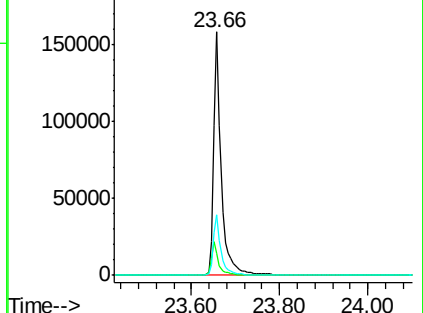
236 25.1 21.0 31.6



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



#20

Pyrene

Concen: 1.02 ng

RT: 22.03 min Scan# 3537

Delta R.T. -0.01 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

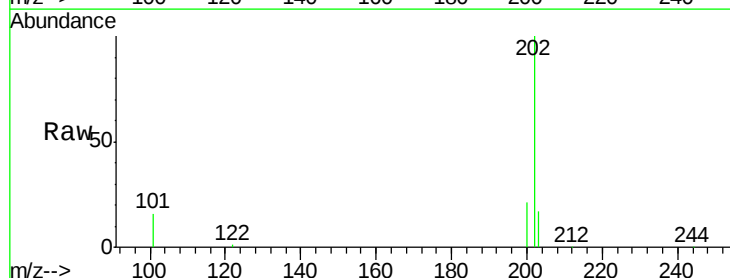
Tgt Ion:202 Resp: 48720

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

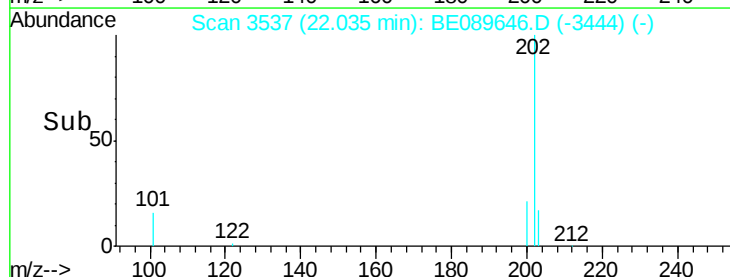
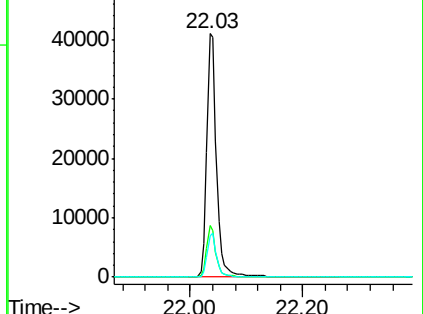
203 17.4 13.8 20.8



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





#21

Terphenyl-d14

Concen: 1.02 ng

RT: 22.30 min Scan# 3587

Delta R.T. -0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

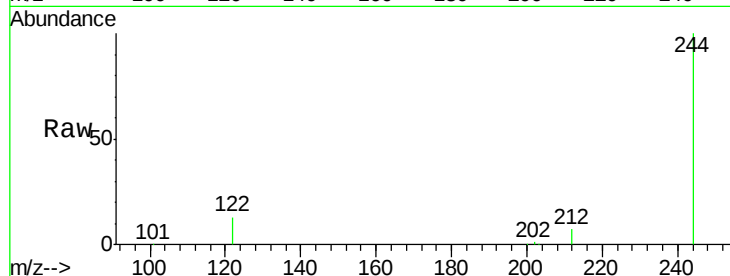
Tgt Ion:244 Resp: 28302

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

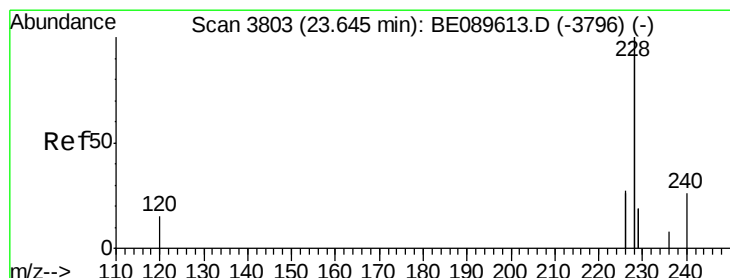
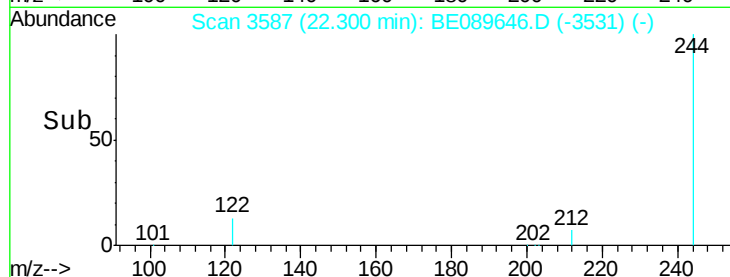
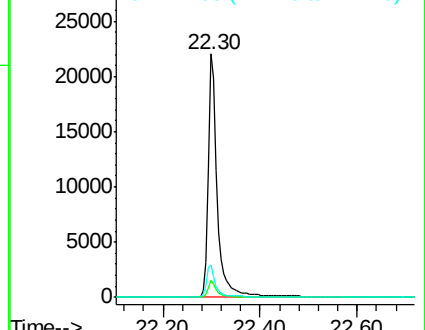
122 13.3 11.8 17.8



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



#22

Benzo(a)anthracene

Concen: 0.91 ng

RT: 23.64 min Scan# 3807

Delta R.T. 0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

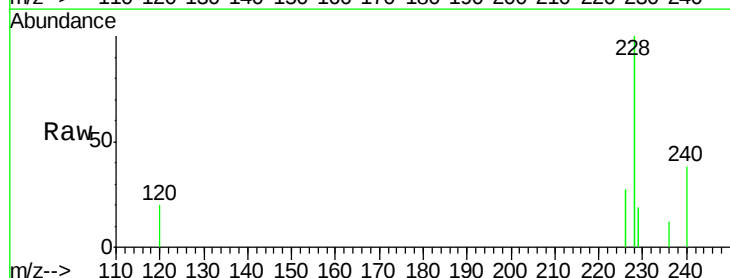
Tgt Ion:228 Resp: 154692

Ion Ratio Lower Upper

228 100

226 27.1 21.2 31.8

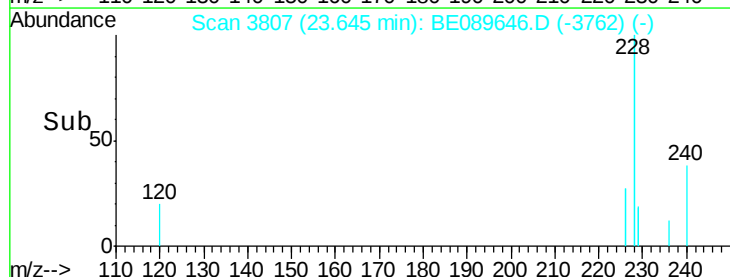
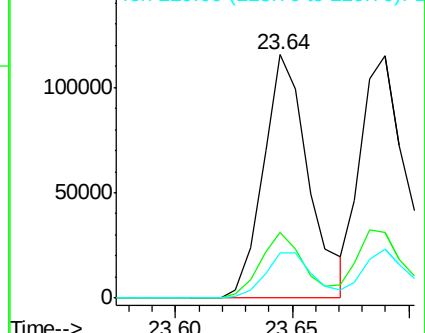
229 18.8 15.2 22.8

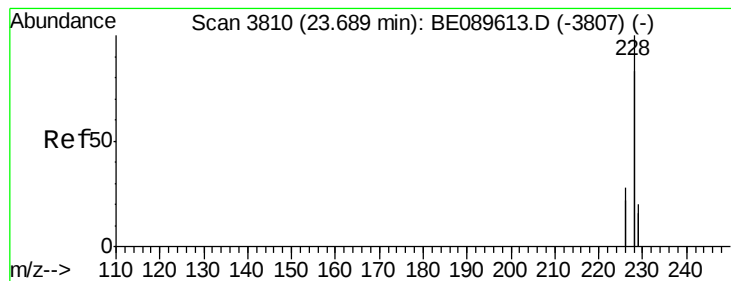


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 1.03 ng

RT: 23.69 min Scan# 3814

Delta R.T. 0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

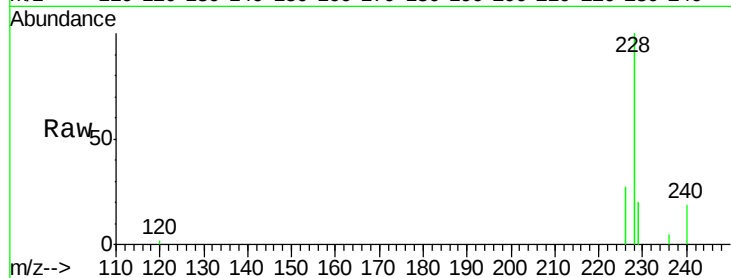
Tgt Ion:228 Resp: 196975

Ion Ratio Lower Upper

228 100

226 27.3 22.2 33.4

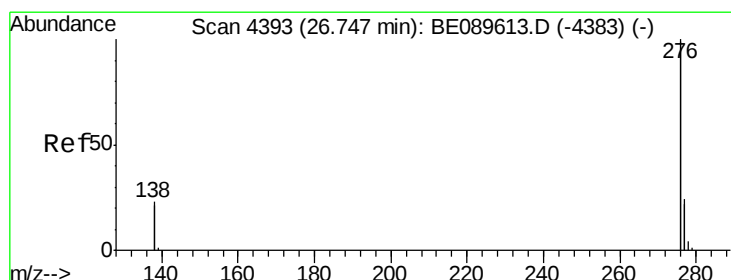
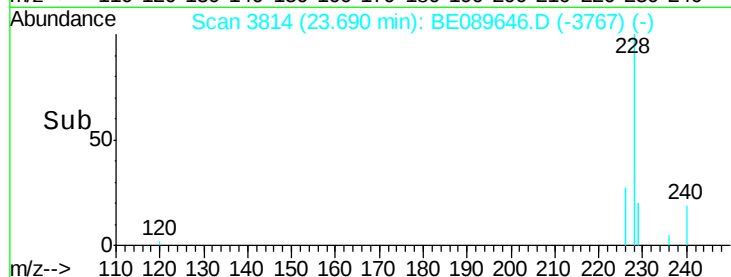
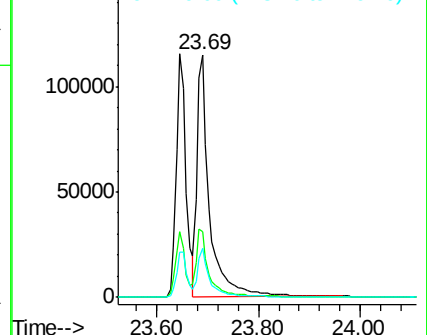
229 20.4 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.70 ng

RT: 26.75 min Scan# 4397

Delta R.T. 0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

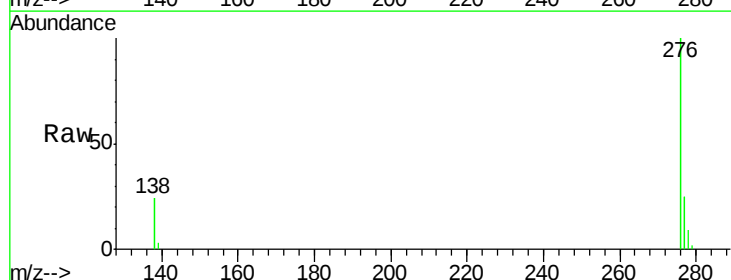
Tgt Ion:276 Resp: 93586

Ion Ratio Lower Upper

276 100

138 26.1 21.4 32.2

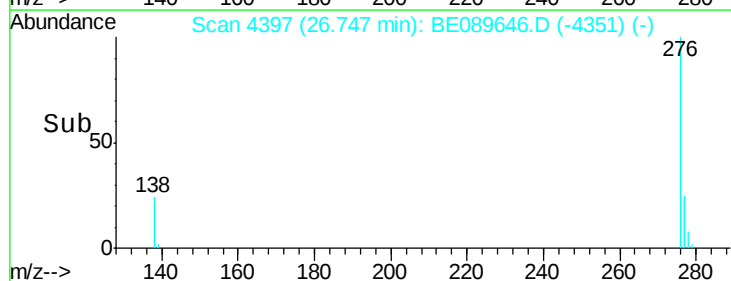
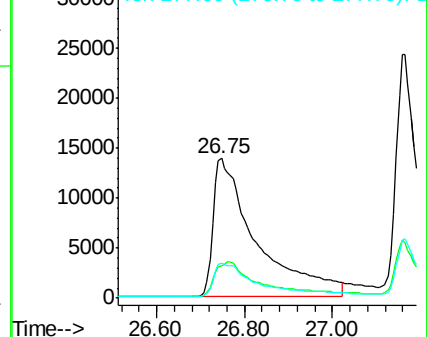
277 24.7 19.9 29.9

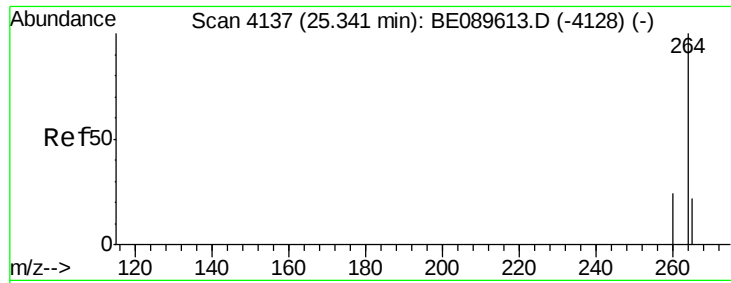


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



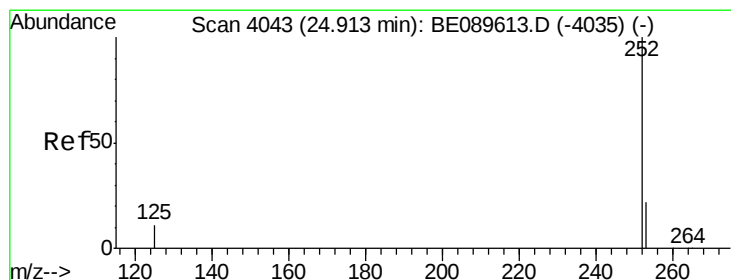
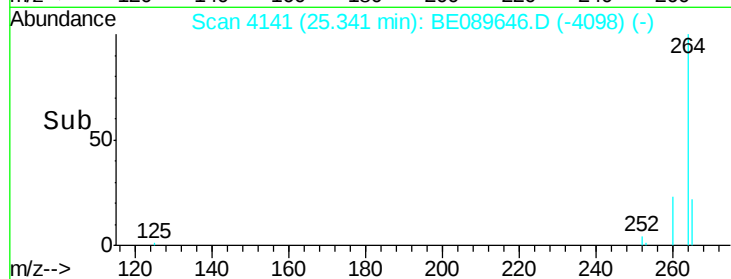
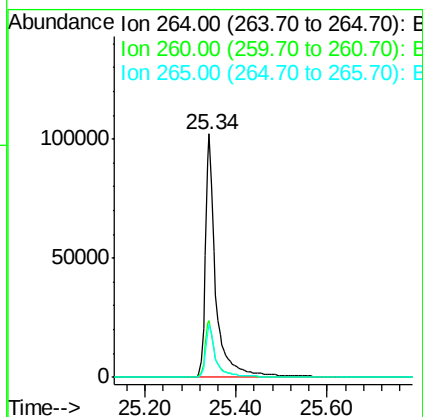
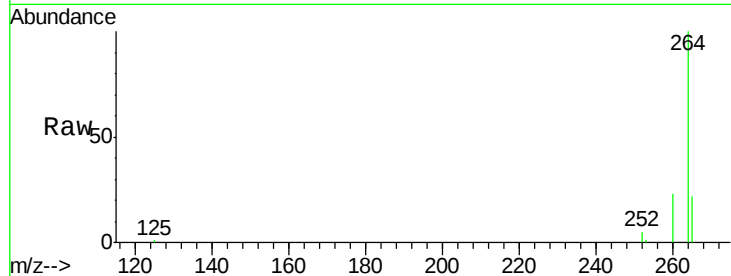


#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4141
Delta R.T. 0.00 min
Lab File: BE089646.D
Acq: 20 Feb 2015 4:23

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion: 264 Resp: 163094

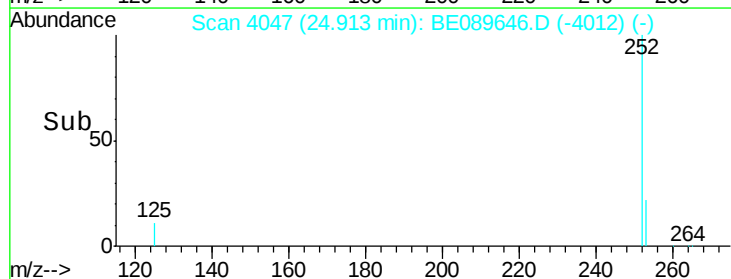
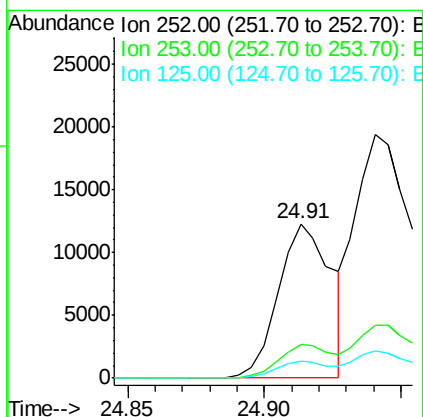
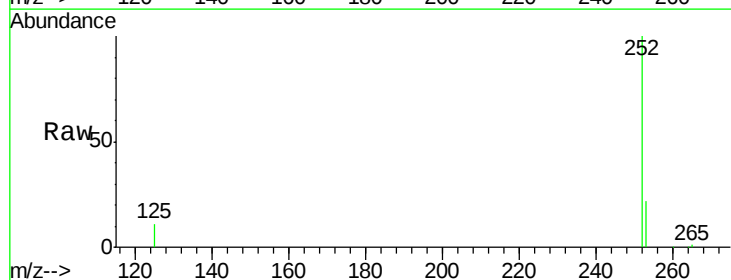
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.6
265	21.9	17.4	26.0



#26
Benzo(b)fluoranthene
Concen: 0.67 ng
RT: 24.91 min Scan# 4047
Delta R.T. 0.00 min
Lab File: BE089646.D
Acq: 20 Feb 2015 4:23

Tgt Ion: 252 Resp: 16406

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.2	8.8	13.2

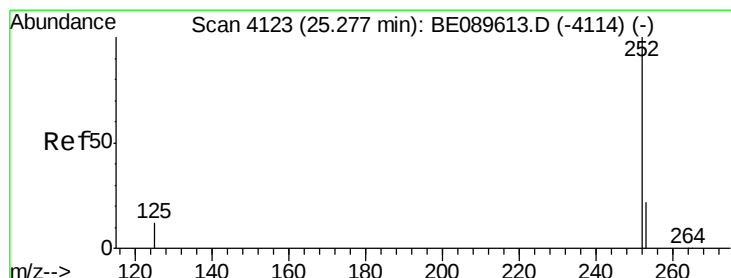
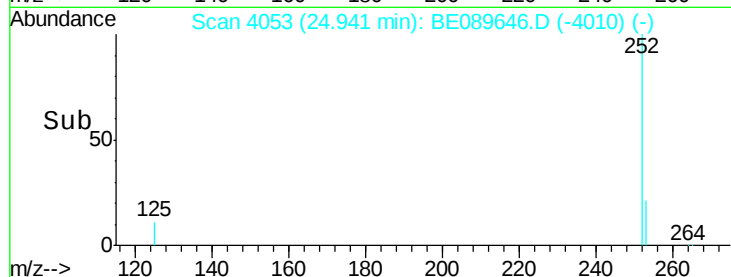
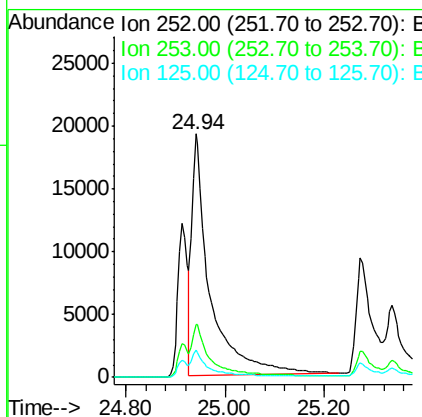
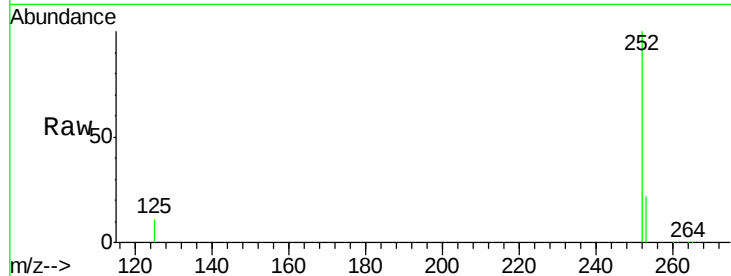




#27
Benzo(k)fluoranthene
Concen: 1.06 ng
RT: 24.94 min Scan# 4053
Delta R.T. -0.00 min
Lab File: BE089646.D
Acq: 20 Feb 2015 4:23

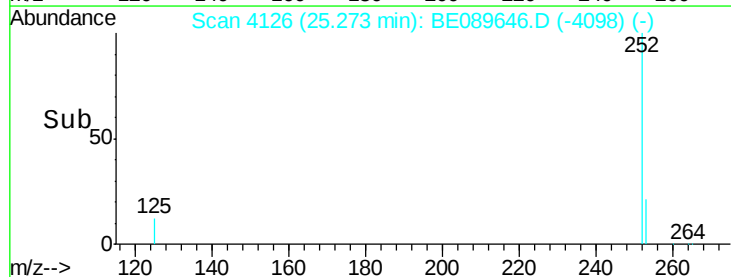
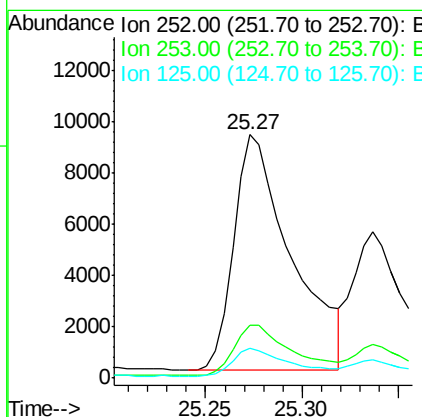
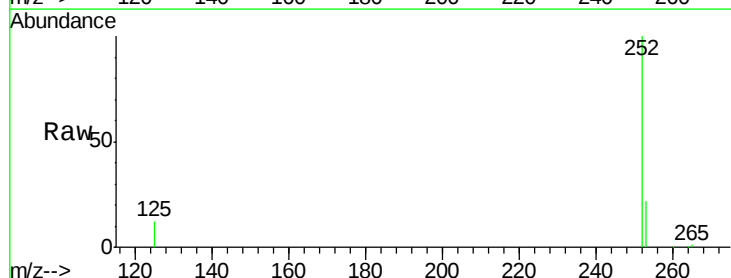
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

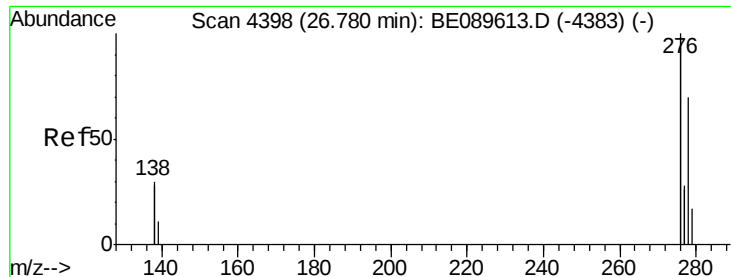
Tgt Ion:252 Resp: 49128
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 11.0 8.8 13.2



#28
Benzo(a)pyrene
Concen: 0.74 ng
RT: 25.27 min Scan# 4126
Delta R.T. -0.00 min
Lab File: BE089646.D
Acq: 20 Feb 2015 4:23

Tgt Ion:252 Resp: 19069
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 12.3 9.6 14.4





#29

Dibenzo(a,h)anthracene

Concen: 0.70 ng

RT: 26.77 min Scan# 4401

Delta R.T. -0.01 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

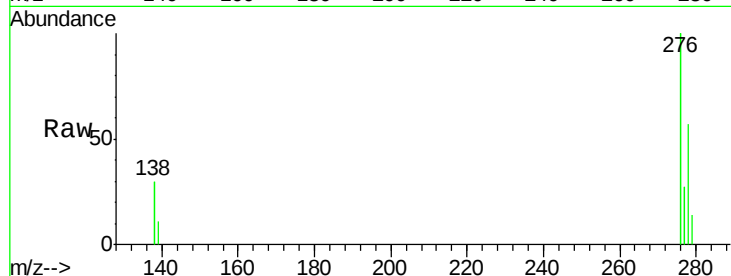
Tgt Ion:278 Resp: 17082

Ion Ratio Lower Upper

278 100

139 18.8 13.7 20.5

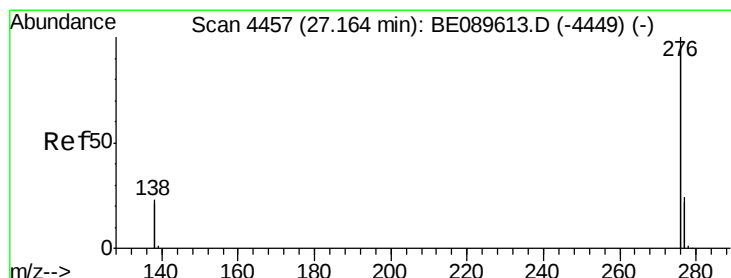
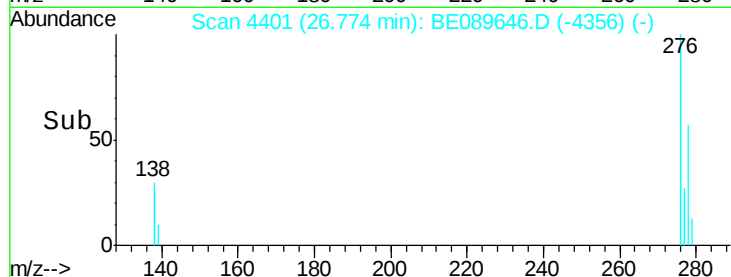
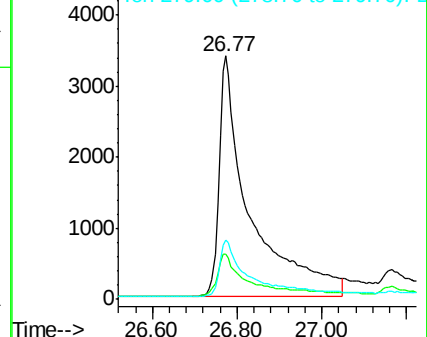
279 24.5 19.7 29.5



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



#30

Benzo(g,h,i)perylene

Concen: 0.82 ng

RT: 27.16 min Scan# 4461

Delta R.T. 0.00 min

Lab File: BE089646.D

Acq: 20 Feb 2015 4:23

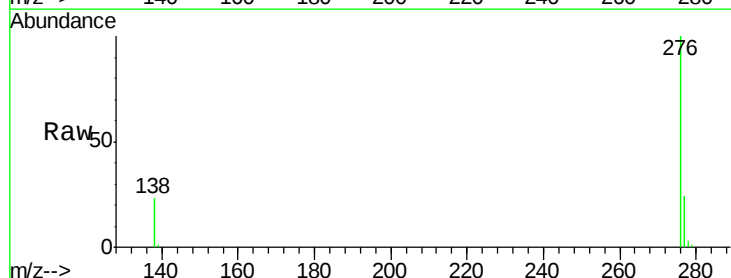
Tgt Ion:276 Resp: 102955

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 23.0 18.7 28.1



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

