

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089412.D
 Acq On : 29 Jan 2015 12:41
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Jan 30 02:44:20 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 02:34:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	134164	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	501700	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	193294	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	386660	5.00	ng	0.00
20) Chrysene-d12	23.84	240	498441	5.00	ng	0.00
27) Perylene-d12	25.55	264	512647	5.00	ng	0.00

System Monitoring Compounds

3) 2-Fluorophenol	6.74	112	38748	0.90	ng	0.00
4) Phenol-d6	8.85	99	46483	0.88	ng	0.00
8) Nitrobenzene-d5	10.84	82	31480	0.87	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	4127	0.92	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	42460	0.73	ng	0.00
22) Terphenyl-d14	22.48	244	46944	0.85	ng	0.00

Target Compounds

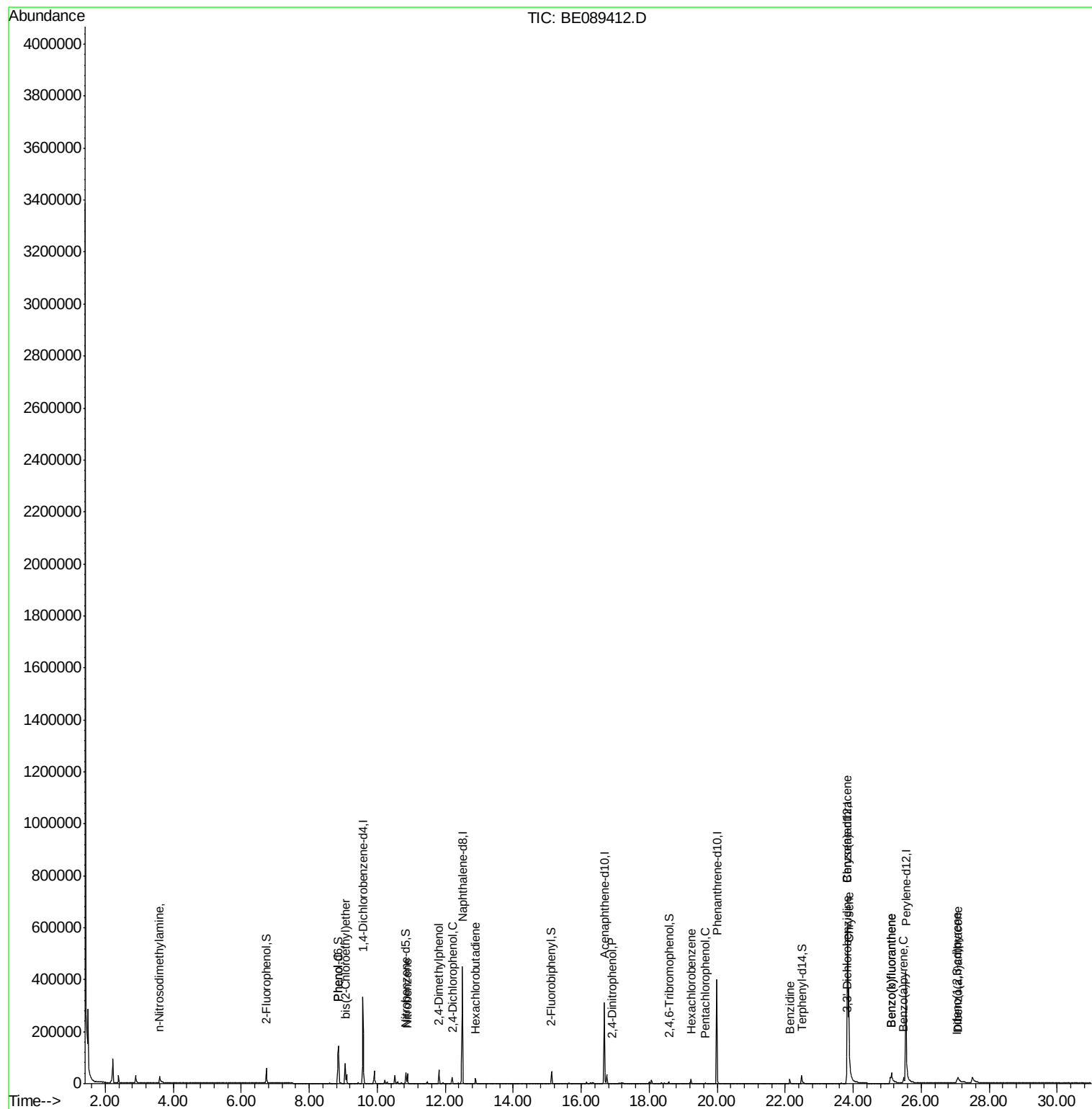
						Qvalue
2) n-Nitrosodimethylamine	3.59	42	21247	0.93	ng	# 83
5) Phenol	8.87	94	51706	0.92	ng	96
6) bis(2-Chloroethyl)ether	9.06	93	38286	0.92	ng	# 100
9) Nitrobenzene	10.88	77	35995	0.88	ng	100
10) 2,4-Dimethylphenol	11.82	122	25481	0.83	ng	100
11) 2,4-Dichlorophenol	12.21	162	17728	0.76	ng	98
12) Hexachlorobutadiene	12.89	225	11900	0.72	ng	99
16) 2,4-Dinitrophenol	16.90	184	527	0.40	ng	92
18) Hexachlorobenzene	19.23	284	14828	0.82	ng	95
19) Pentachlorophenol	19.65	266	2122	0.61	ng	96
21) Benzidine	22.14	184	21487	0.53	ng	98
23) Benzo(a)anthracene	23.83	228	276488	0.61	ng	93
24) 3,3'-Dichlorobenzidine	23.81	252	19928	0.55	ng	99
25) Chrysene	23.87	228	413662	0.74	ng	99
26) Indeno(1,2,3-cd)pyrene	27.05	276	52968	0.41	ng	# 100
28) Benzo(b)fluoranthene	25.13	252	142538	2.19	ng	99
29) Benzo(k)fluoranthene	25.13	252	144999	0.99	ng	99
30) Benzo(a)pyrene	25.48	252	40266	0.51	ng	98
31) Dibenzo(a,h)anthracene	27.08	278	38131	0.47	ng	99

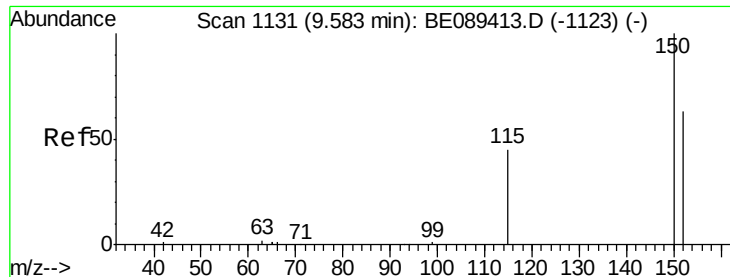
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

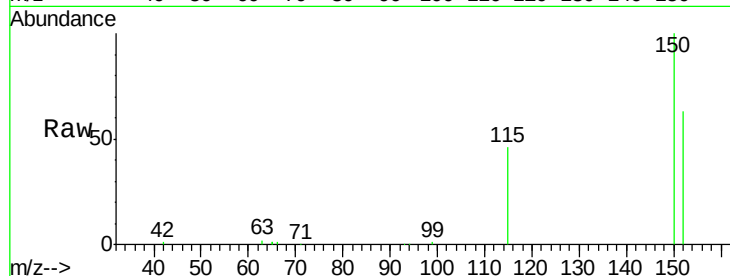
Tgt Ion:152 Resp: 134164

Ion Ratio Lower Upper

152 100

150 157.8 126.1 189.1

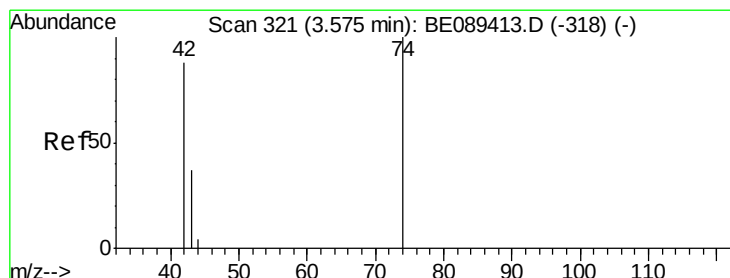
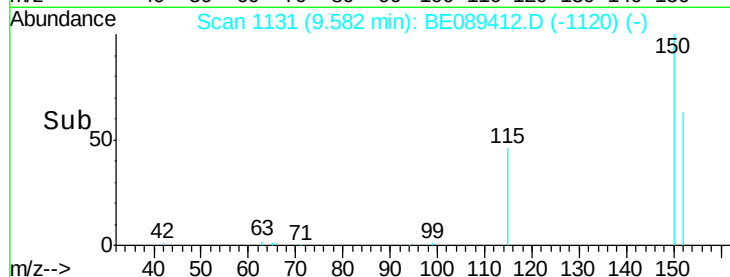
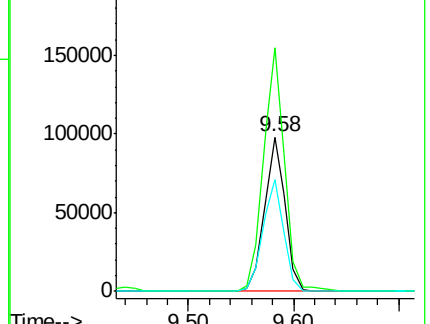
115 72.4 57.1 85.7



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

n-Nitrosodimethylamine

Concen: 0.93 ng

RT: 3.59 min Scan# 323

Delta R.T. 0.01 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

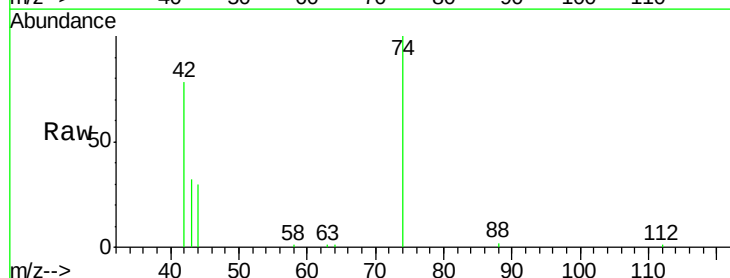
Tgt Ion: 42 Resp: 21247

Ion Ratio Lower Upper

42 100

74 127.7 90.2 135.2

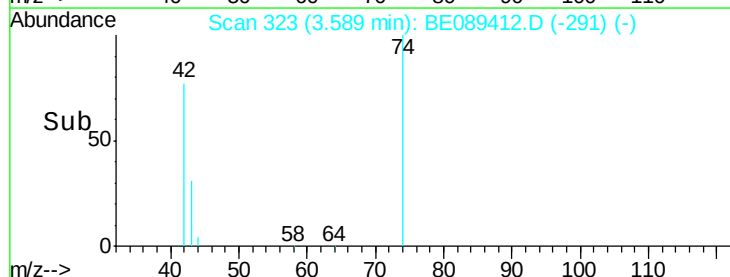
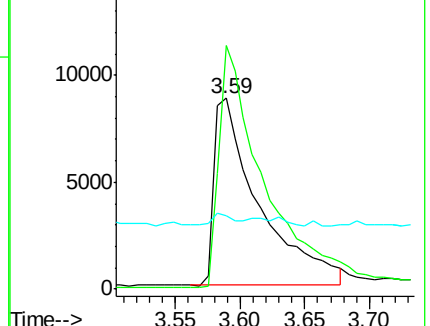
44 38.7 19.4 29.2#

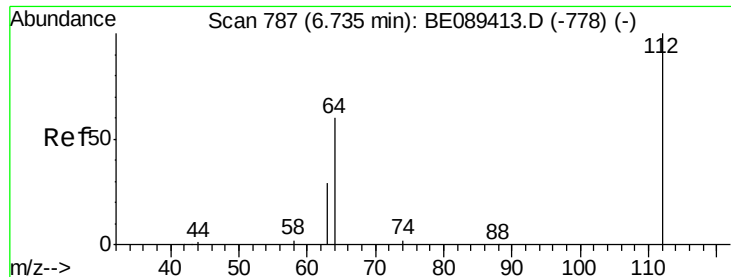


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

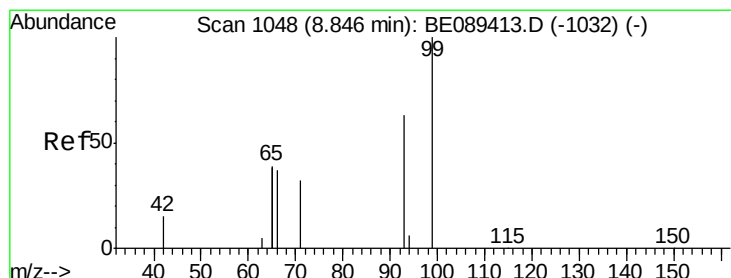
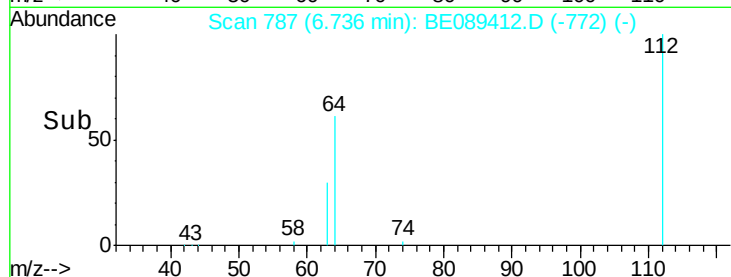
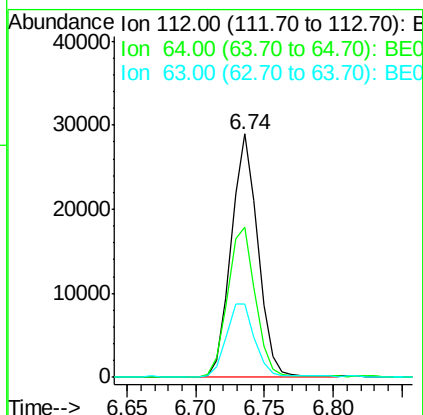
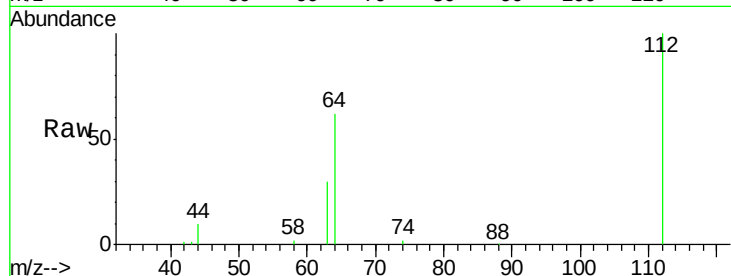




#3
 2-Fluorophenol
 Concen: 0.90 ng
 RT: 6.74 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

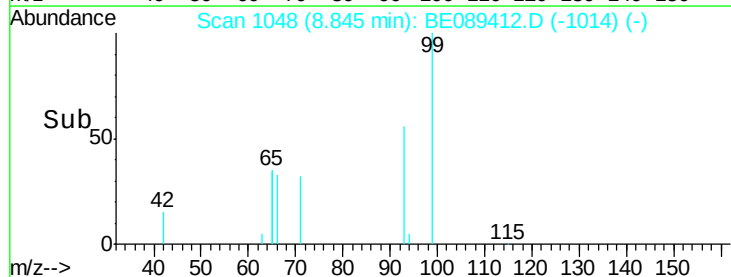
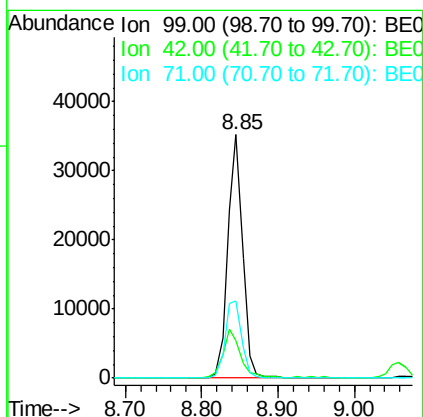
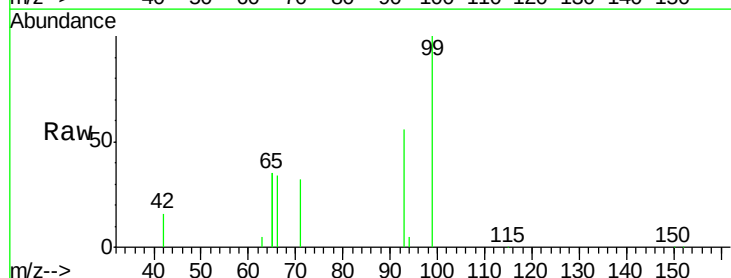
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

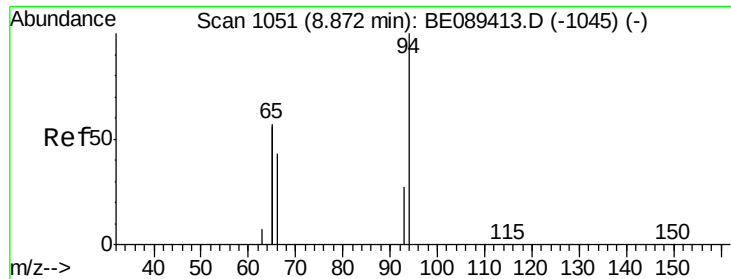
Tgt Ion: 112 Resp: 38748
 Ion Ratio Lower Upper
 112 100
 64 61.6 48.2 72.4
 63 30.0 23.5 35.3



#4
 Phenol-d6
 Concen: 0.88 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Tgt Ion: 99 Resp: 46483
 Ion Ratio Lower Upper
 99 100
 42 15.6 11.9 17.9
 71 31.9 25.8 38.6





#5

Phenol

Concen: 0.92 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

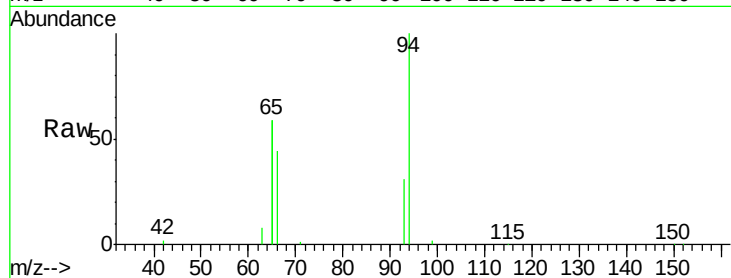
Tgt Ion: 94 Resp: 51706

Ion Ratio Lower Upper

94 100

65 118.0 93.3 133.3

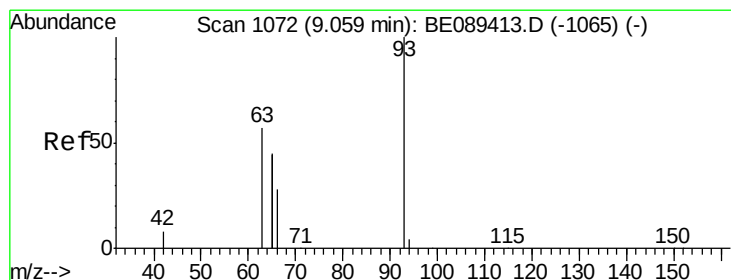
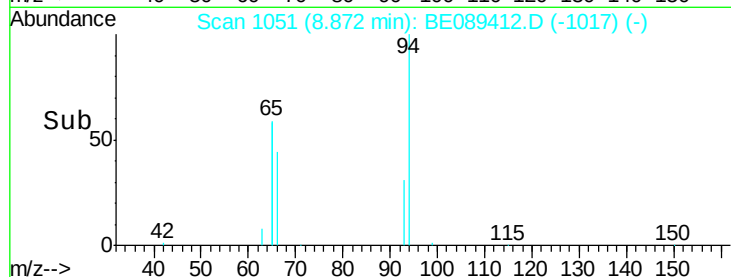
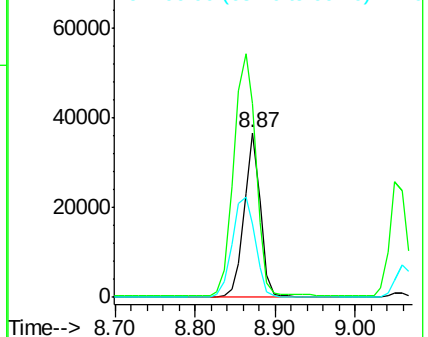
66 44.5 23.6 63.6



Abundance Ion 94.00 (93.70 to 94.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Ion 66.00 (65.70 to 66.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.92 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

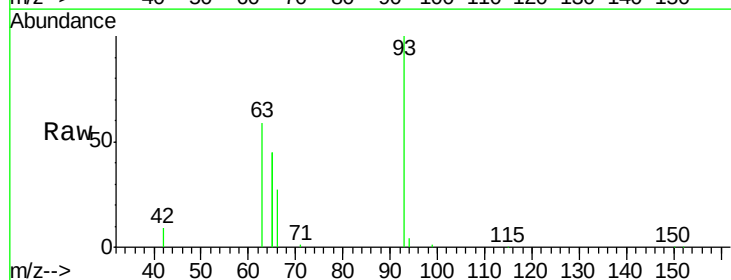
Tgt Ion: 93 Resp: 38286

Ion Ratio Lower Upper

93 100

63 73.0 58.6 88.0

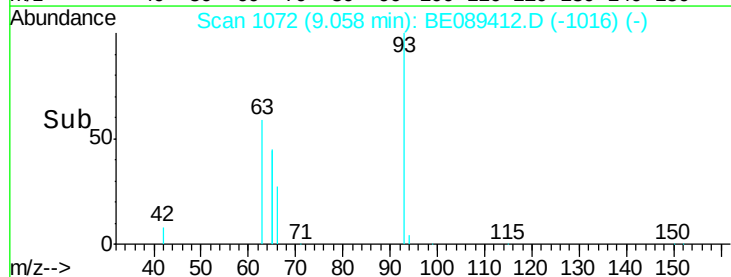
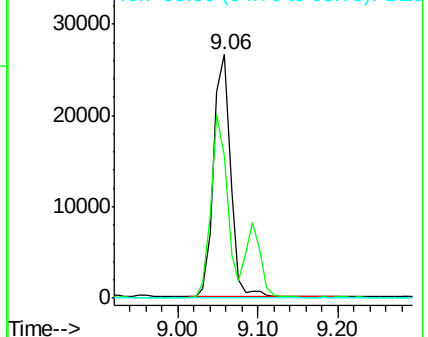
95 0.0 0.0 0.0

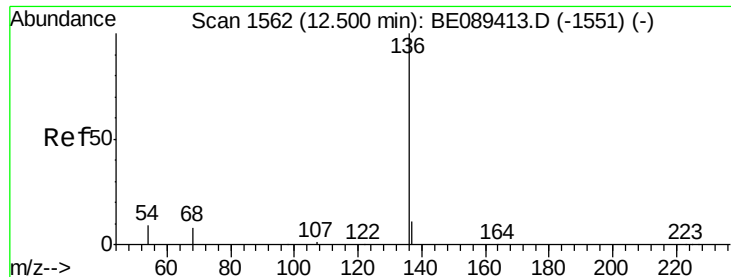


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

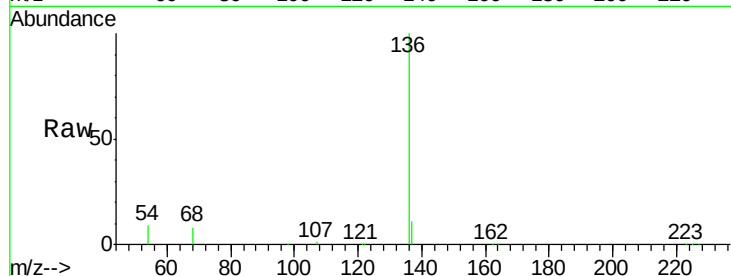
Tgt Ion: 136 Resp: 501700

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

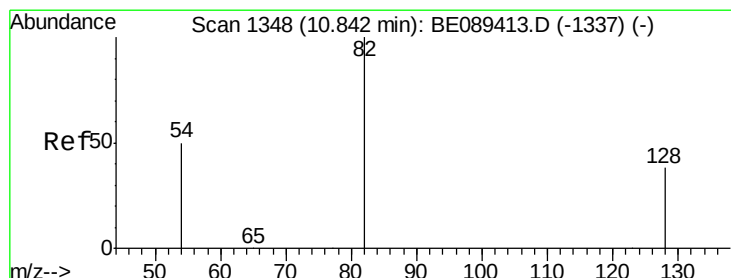
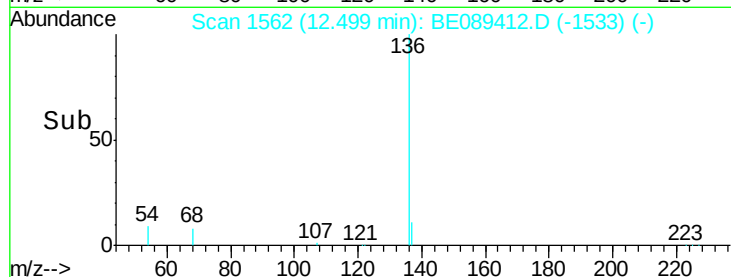
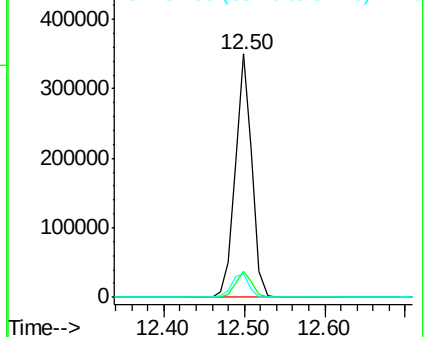
54 9.5 7.5 11.3



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



#8

Nitrobenzene-d5

Concen: 0.87 ng

RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

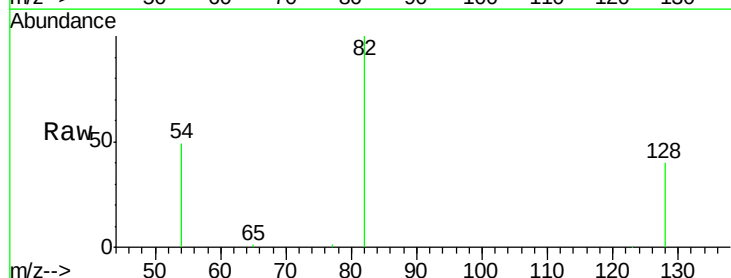
Tgt Ion: 82 Resp: 31480

Ion Ratio Lower Upper

82 100

128 40.2 31.0 46.4

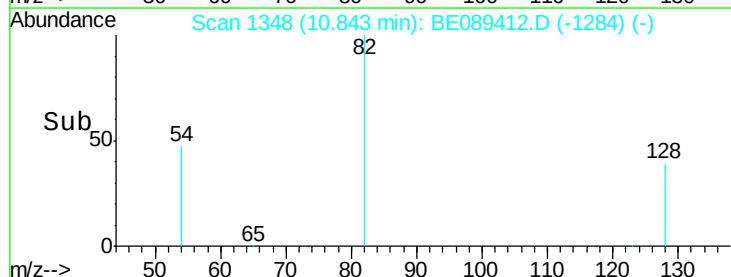
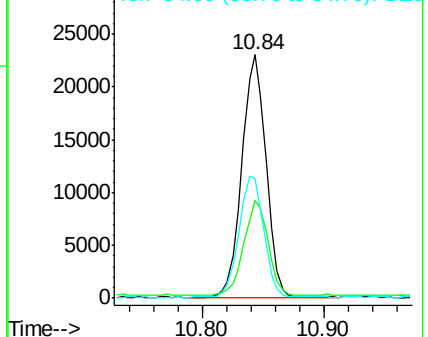
54 48.9 39.8 59.6

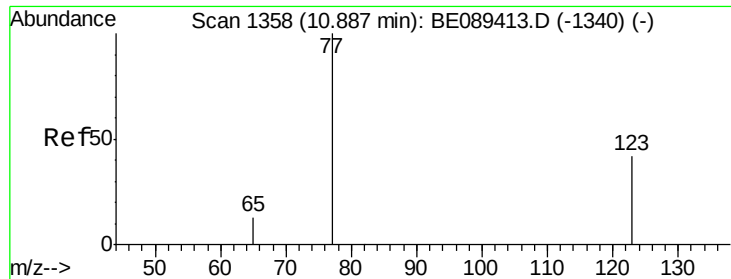


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.88 ng

RT: 10.88 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

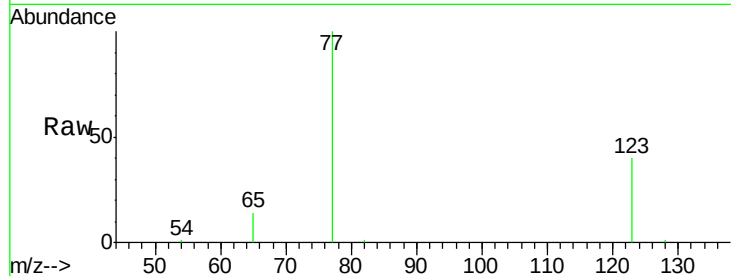
Tgt Ion: 77 Resp: 35995

Ion Ratio Lower Upper

77 100

123 41.3 32.8 49.2

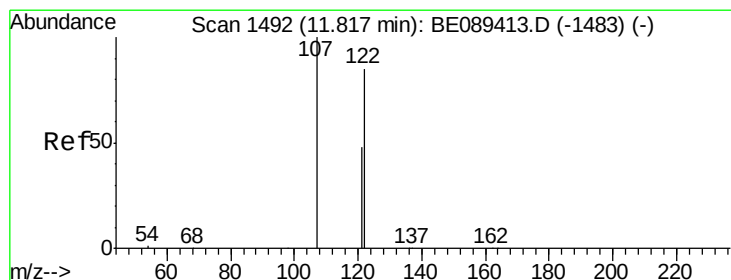
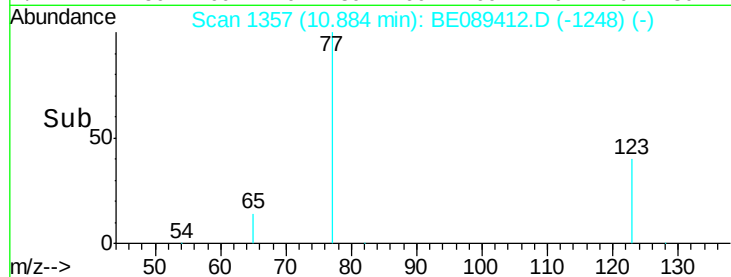
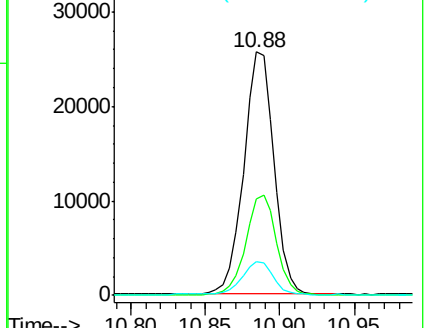
65 13.9 11.0 16.6



Abundance Ion 77.00 (76.70 to 77.70): BE089412.D (-1340) (-)

Ion 123.00 (122.70 to 123.70): BE089412.D (-1340) (-)

Ion 65.00 (64.70 to 65.70): BE089412.D (-1340) (-)



#10

2,4-Dimethylphenol

Concen: 0.83 ng

RT: 11.82 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

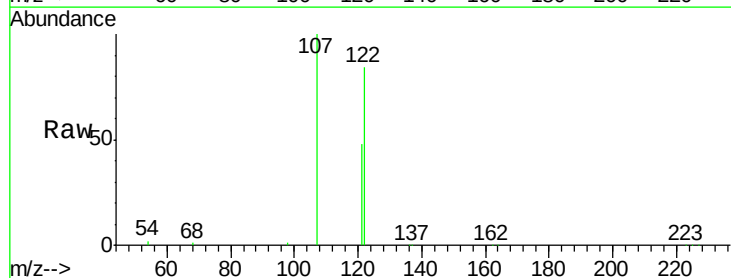
Tgt Ion: 122 Resp: 25481

Ion Ratio Lower Upper

122 100

107 118.7 94.6 142.0

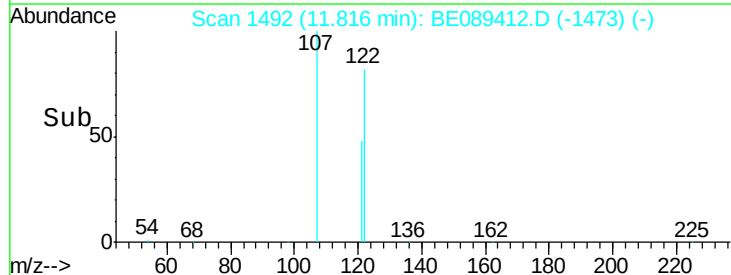
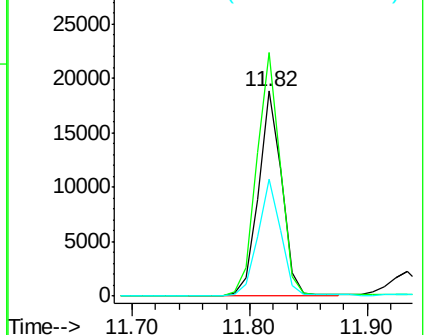
121 57.1 45.8 68.6

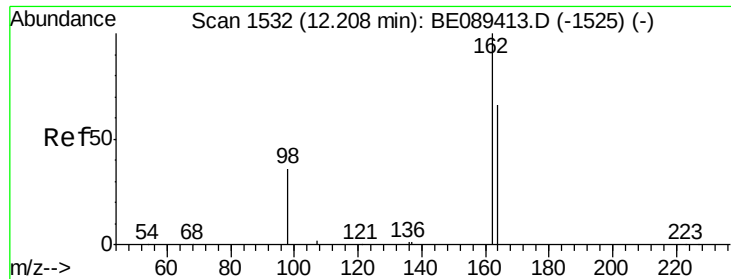


Abundance Ion 122.00 (121.70 to 122.70): BE089412.D (-1473) (-)

Ion 107.00 (106.70 to 107.70): BE089412.D (-1473) (-)

Ion 121.00 (120.70 to 121.70): BE089412.D (-1473) (-)

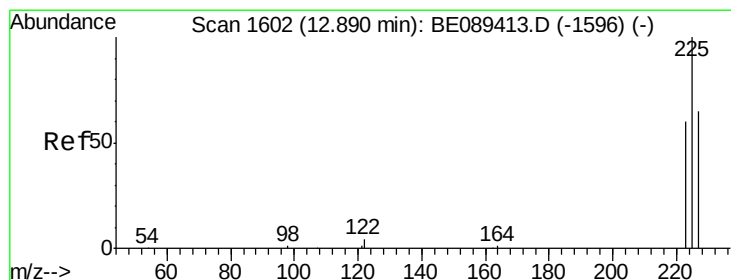
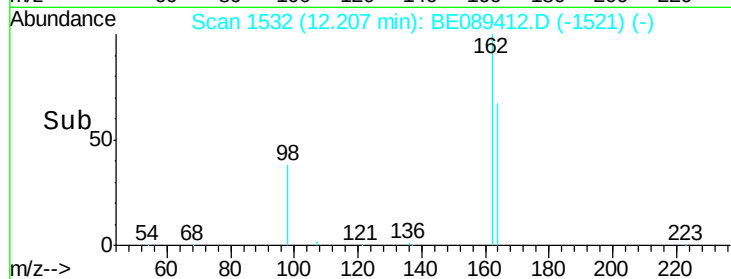
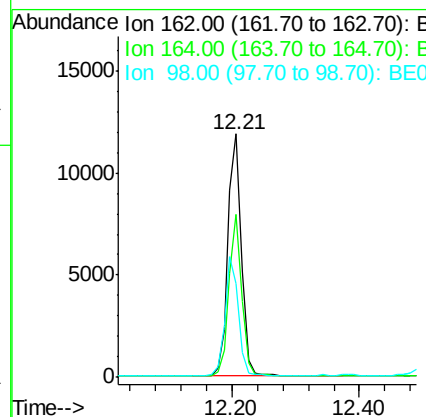
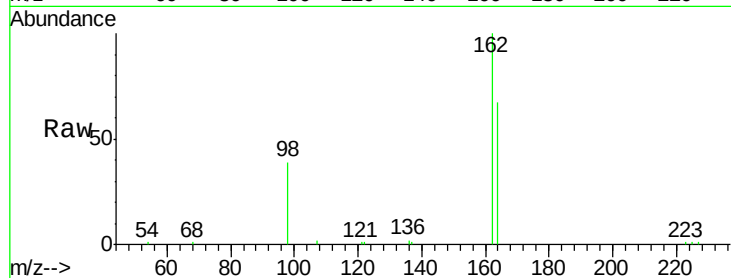




#11
 2,4-Dichlorophenol
 Concen: 0.76 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

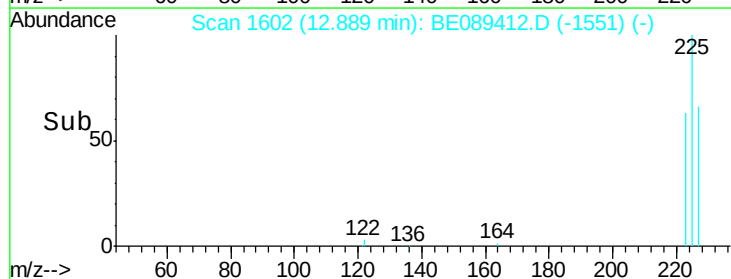
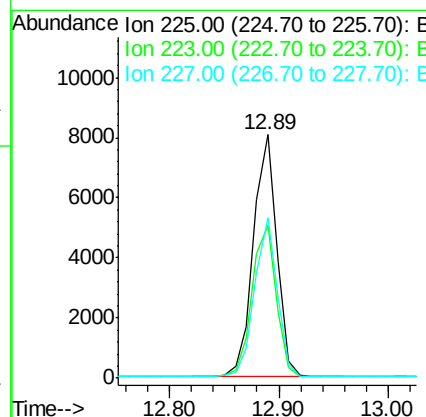
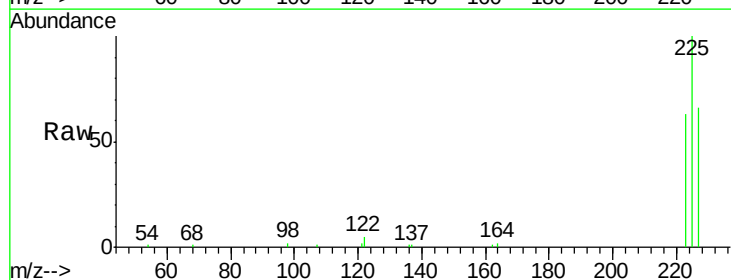
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

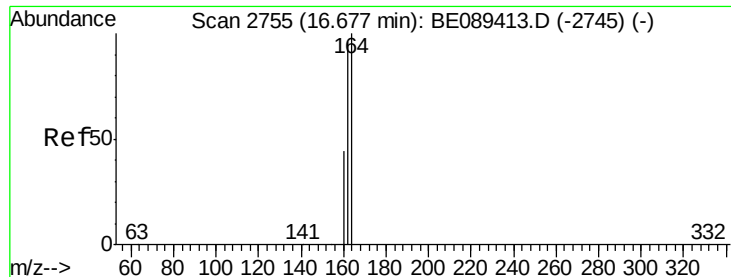
Tgt Ion:162 Resp: 17728
 Ion Ratio Lower Upper
 162 100
 164 66.7 46.1 86.1
 98 38.6 16.2 56.2



#12
 Hexachlorobutadiene
 Concen: 0.72 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Tgt Ion:225 Resp: 11900
 Ion Ratio Lower Upper
 225 100
 223 64.5 50.4 75.6
 227 63.5 50.2 75.2





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

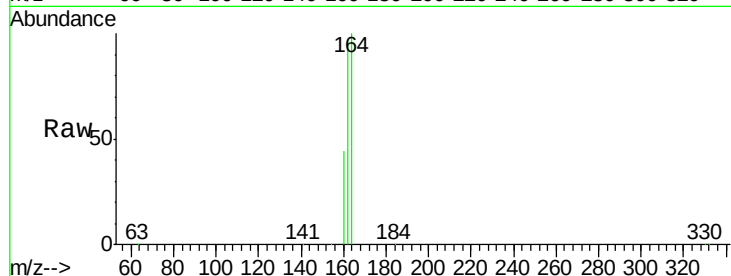
Tgt Ion:164 Resp: 193294

Ion Ratio Lower Upper

164 100

162 97.0 77.0 115.6

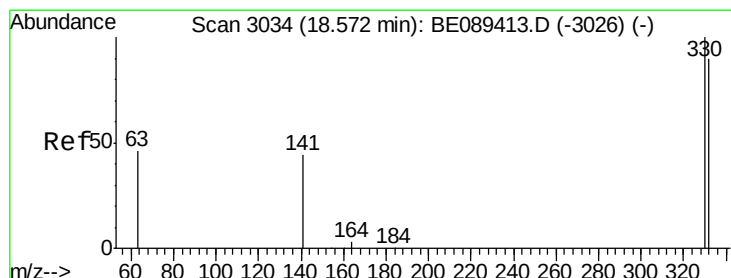
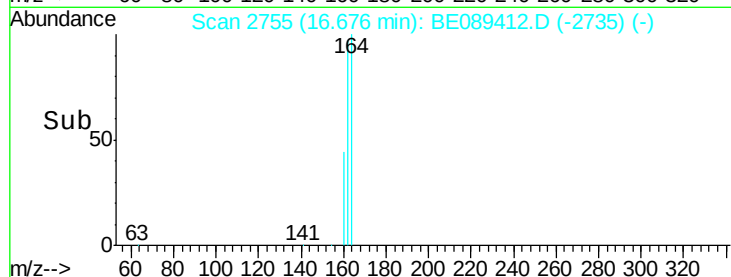
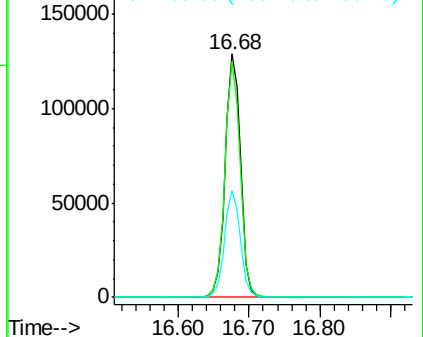
160 44.0 35.0 52.4



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



#14

2,4,6-Tribromophenol

Concen: 0.92 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.01 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

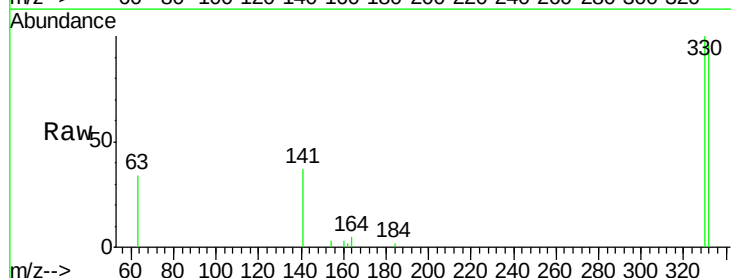
Tgt Ion:330 Resp: 4127

Ion Ratio Lower Upper

330 100

332 94.0 76.0 114.0

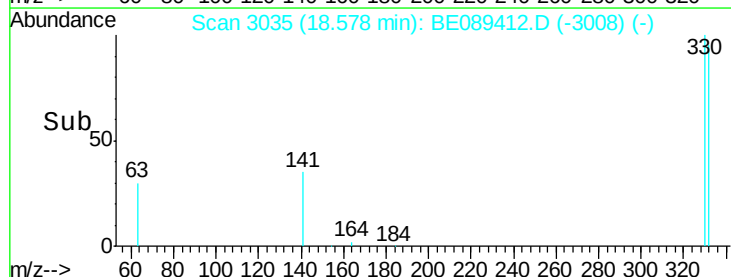
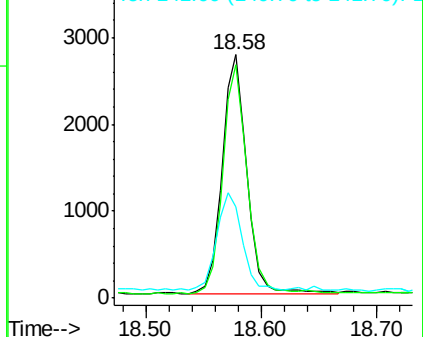
141 42.5 35.6 53.4

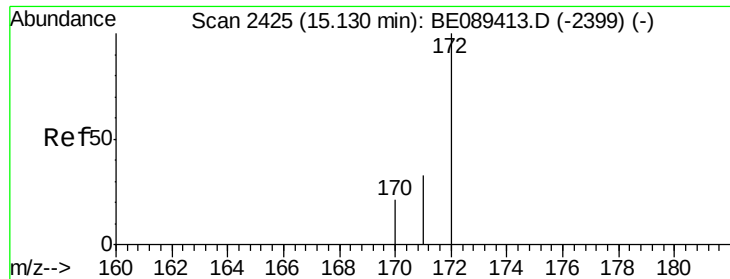


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

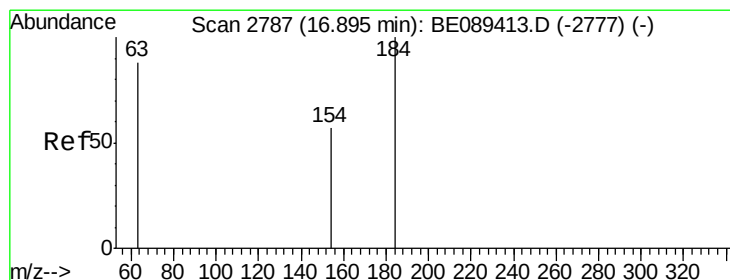
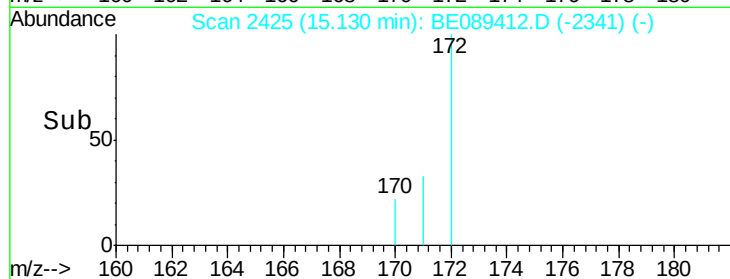
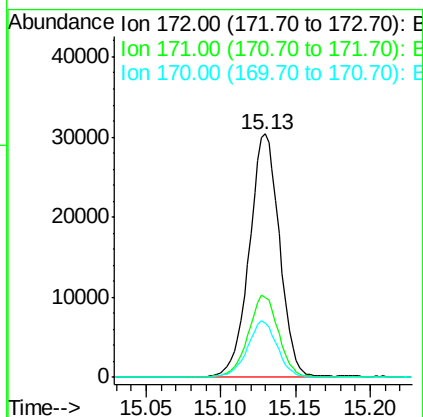
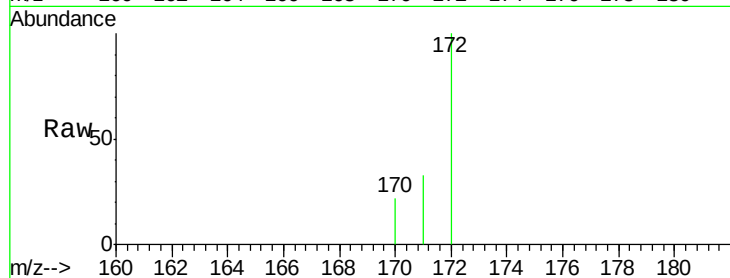




#15
2-Fluorobiphenyl
Concen: 0.73 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

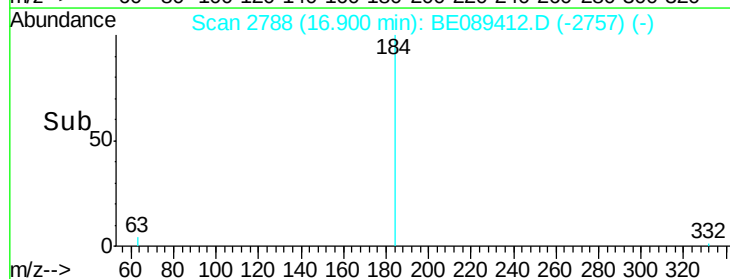
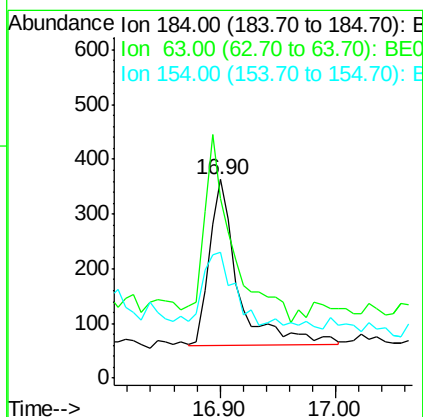
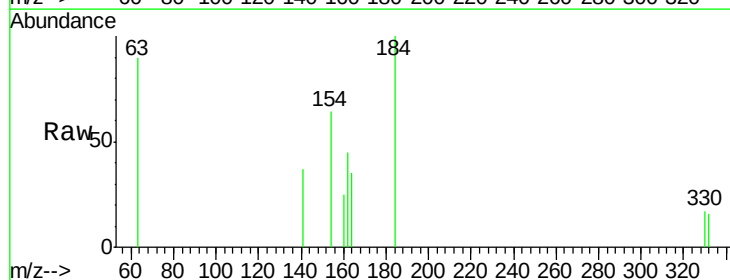
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

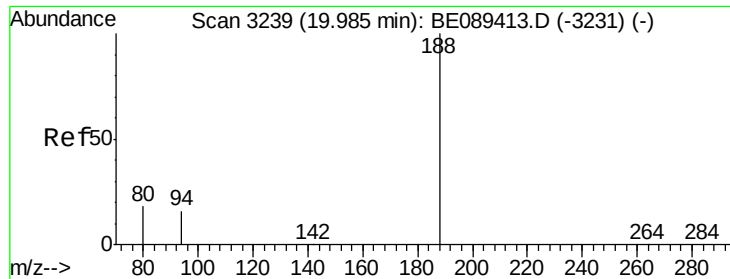
Tgt Ion:172 Resp: 42460
Ion Ratio Lower Upper
172 100
171 32.8 26.6 39.8
170 22.2 17.1 25.7



#16
2,4-Dinitrophenol
Concen: 0.40 ng
RT: 16.90 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Tgt Ion:184 Resp: 527
Ion Ratio Lower Upper
184 100
63 90.4 79.0 118.4
154 63.6 55.8 83.6

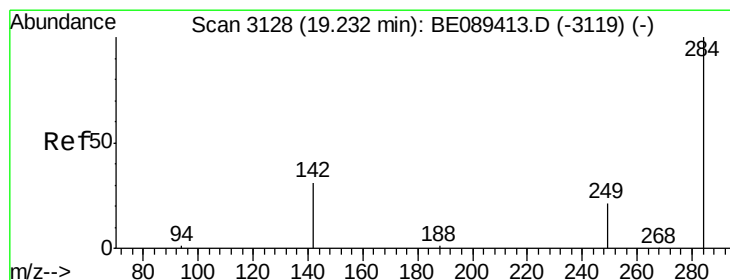
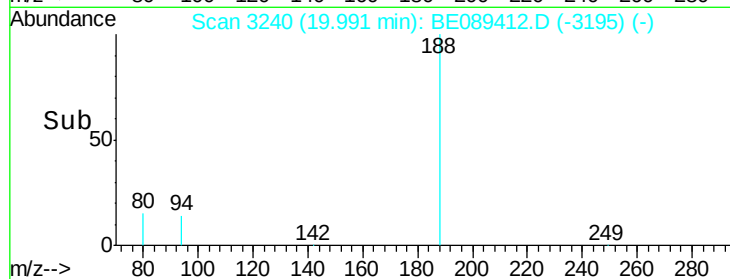
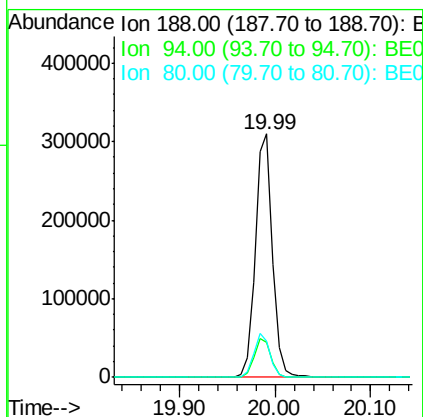
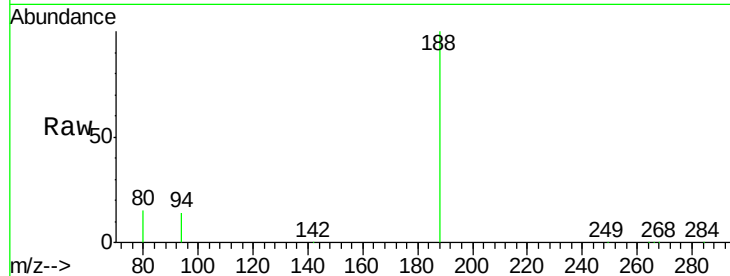




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

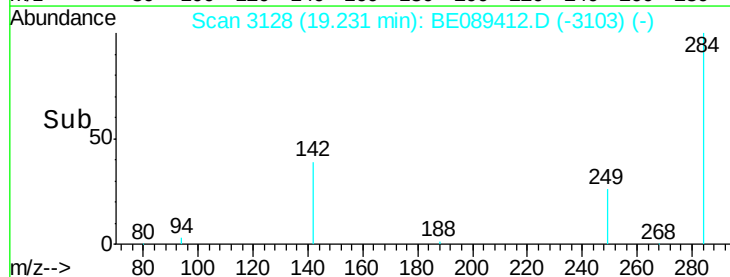
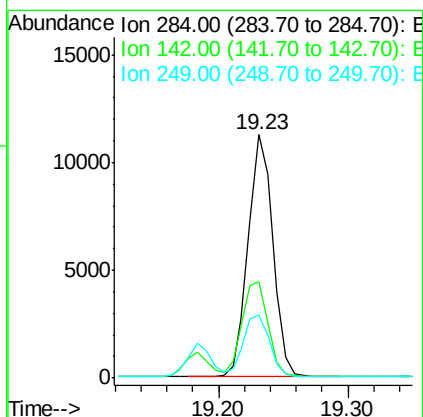
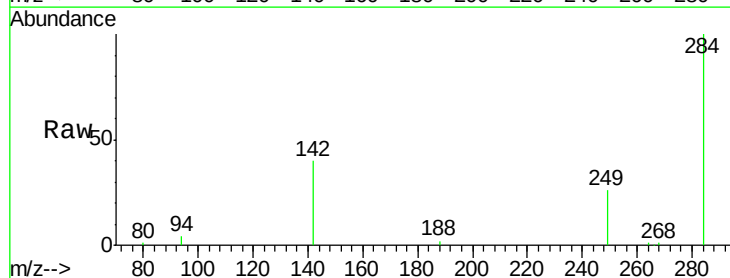
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

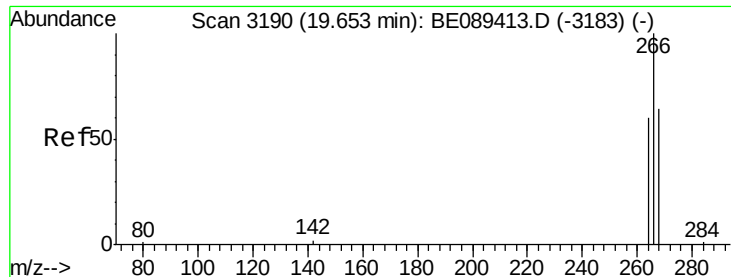
Tgt Ion:188 Resp: 386660
Ion Ratio Lower Upper
188 100
94 14.5 13.0 19.6
80 14.7 14.2 21.4



#18
Hexachlorobenzene
Concen: 0.82 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Tgt Ion:284 Resp: 14828
Ion Ratio Lower Upper
284 100
142 39.5 28.3 42.5
249 26.0 19.9 29.9

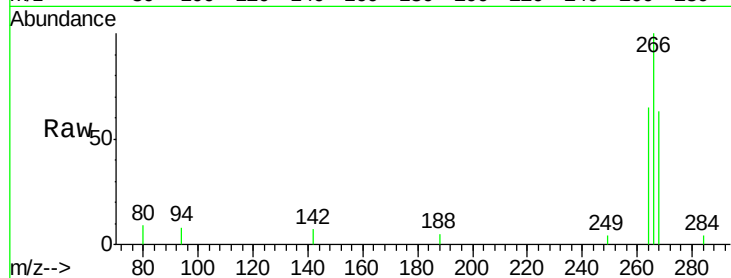




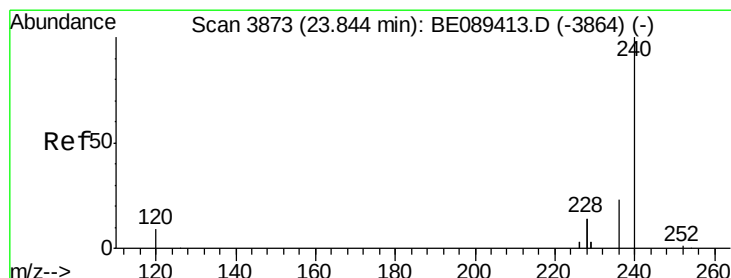
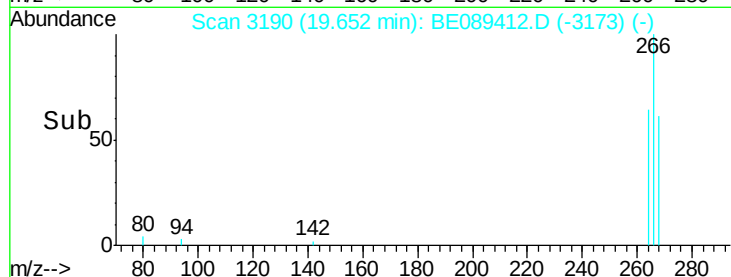
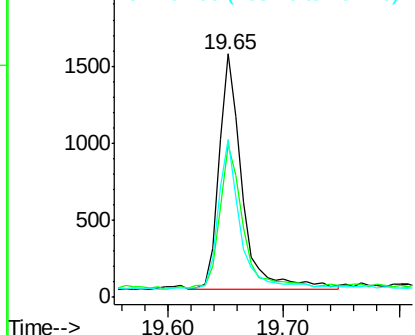
#19
 Pentachlorophenol
 Concen: 0.61 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. -0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion: 266 Resp: 2122
 Ion Ratio Lower Upper
 266 100
 268 62.5 51.9 77.9
 264 64.6 48.5 72.7

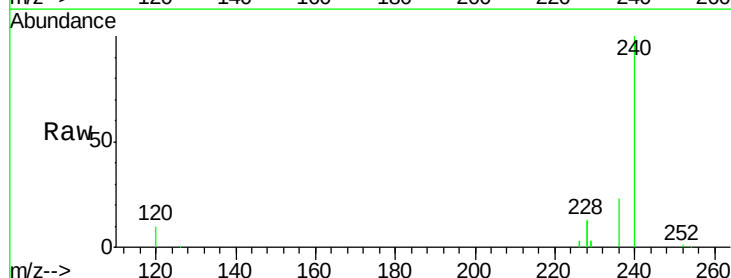


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

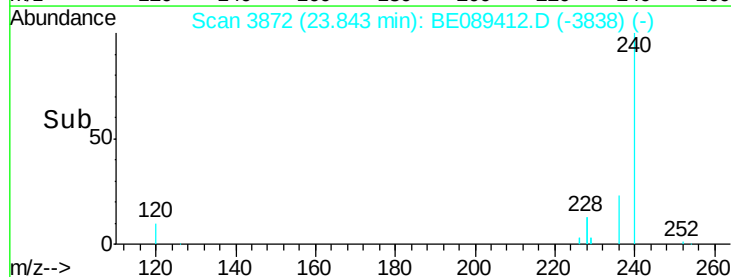
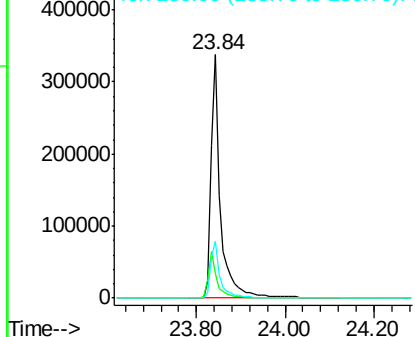


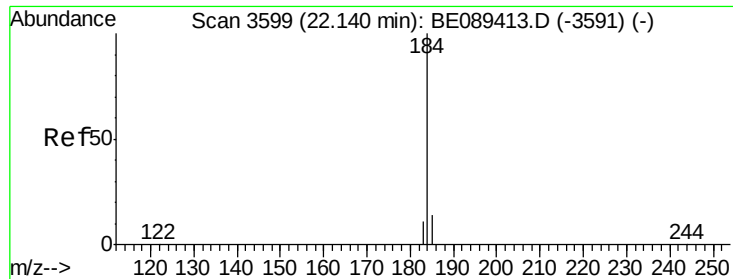
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. -0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Tgt Ion: 240 Resp: 498441
 Ion Ratio Lower Upper
 240 100
 120 9.9 6.9 10.3
 236 23.1 18.2 27.2



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





#21

Benzidine

Concen: 0.53 ng

RT: 22.14 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

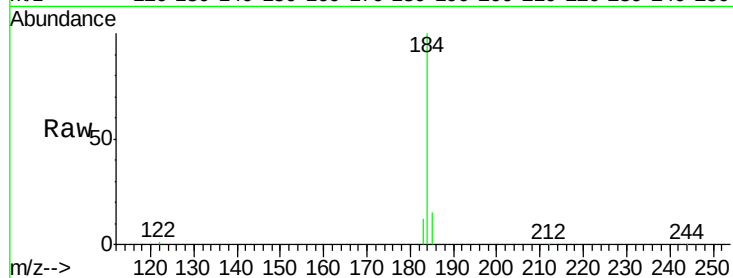
Tgt Ion:184 Resp: 21487

Ion Ratio Lower Upper

184 100

185 14.5 11.0 16.6

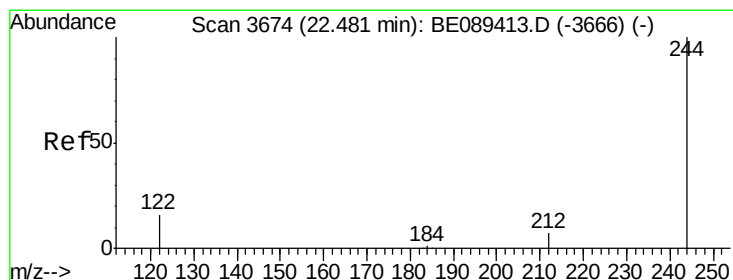
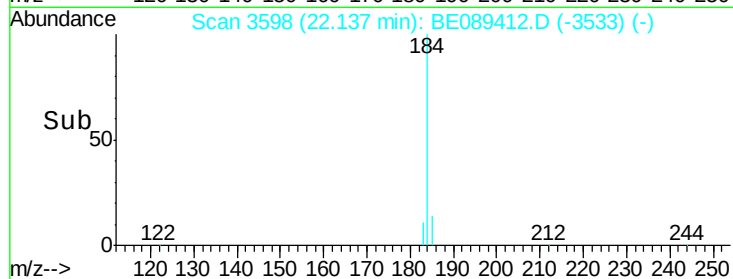
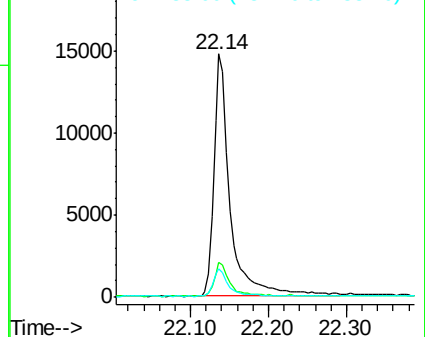
183 11.6 8.6 13.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#22

Terphenyl-d14

Concen: 0.85 ng

RT: 22.48 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

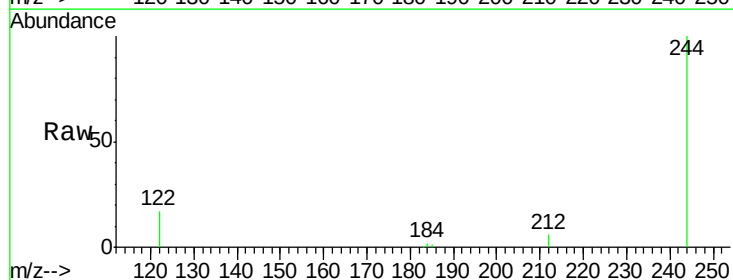
Tgt Ion:244 Resp: 46944

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

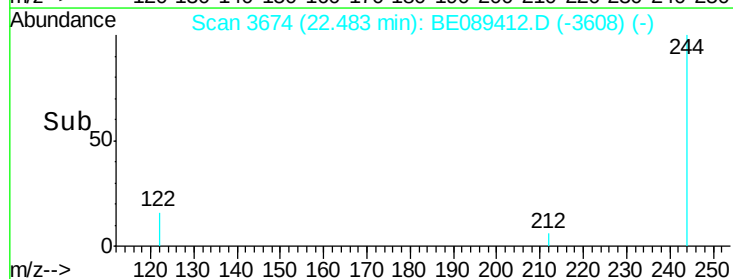
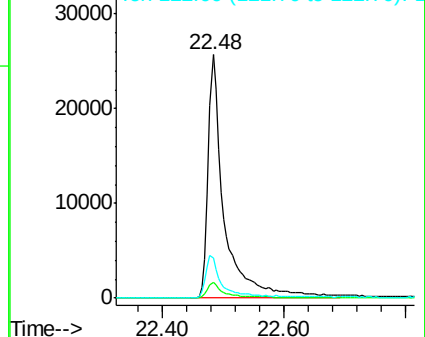
122 16.5 13.2 19.8

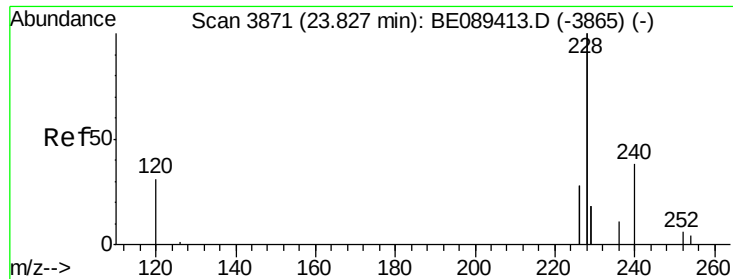


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

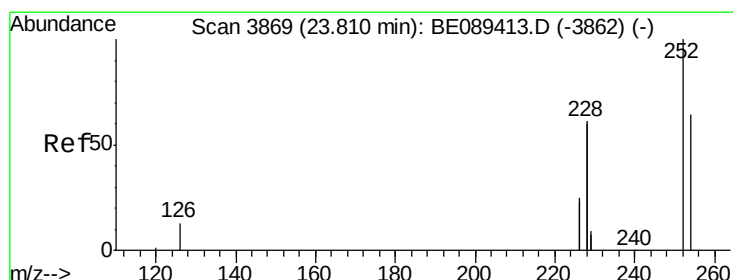
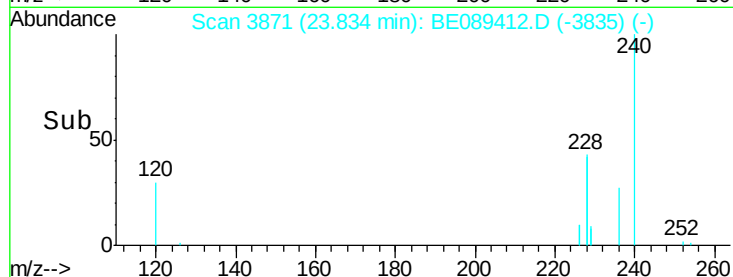
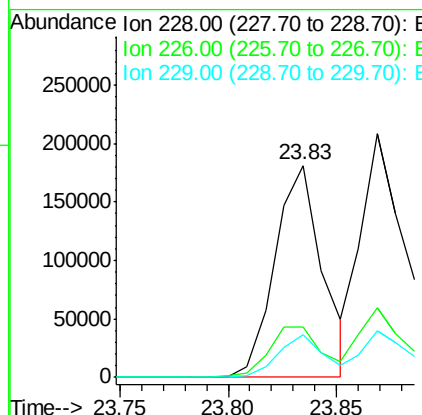
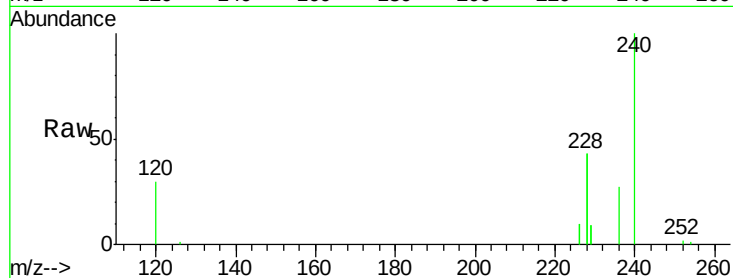




#23
Benzo(a)anthracene
Concen: 0.61 ng
RT: 23.83 min Scan# 3871
Delta R.T. 0.01 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

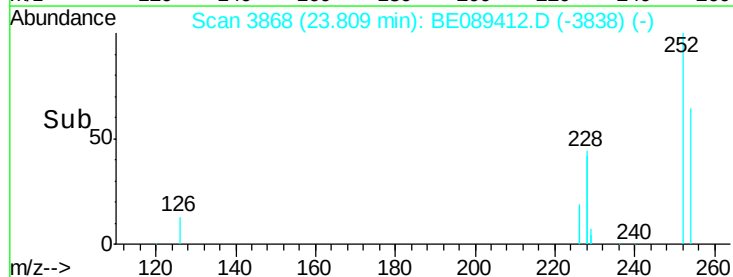
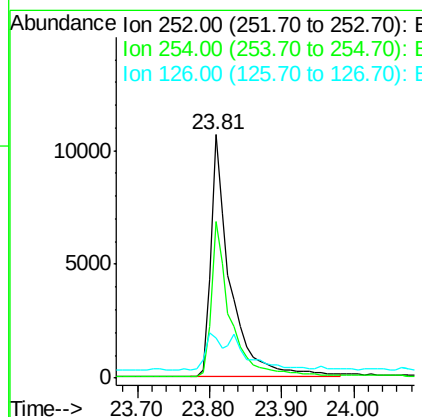
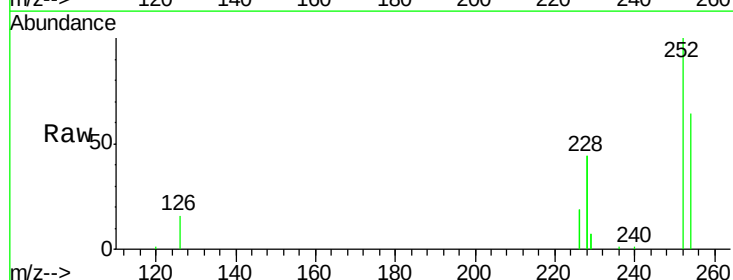
Instrument :
BNA_E
LabSampleId :
SSTDICC0.8

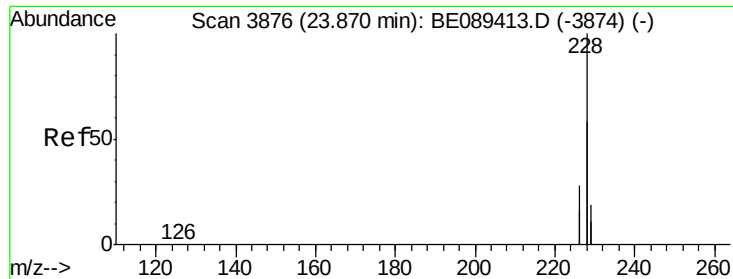
Tgt Ion:228 Resp: 276488
Ion Ratio Lower Upper
228 100
226 23.9 22.6 33.8
229 20.1 14.5 21.7



#24
3,3'-Dichlorobenzidine
Concen: 0.55 ng
RT: 23.81 min Scan# 3868
Delta R.T. -0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Tgt Ion:252 Resp: 19928
Ion Ratio Lower Upper
252 100
254 64.3 51.1 76.7
126 16.4 11.5 17.3





#25

Chrysene

Concen: 0.74 ng

RT: 23.87 min Scan# 3875

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

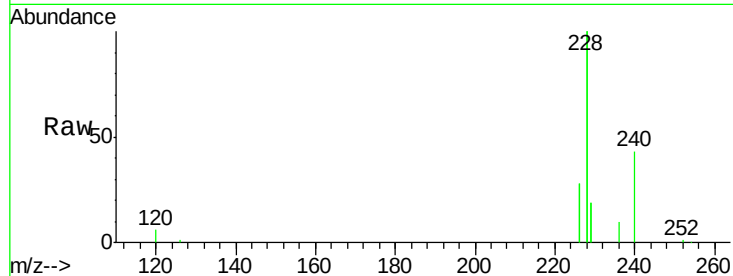
Tgt Ion:228 Resp: 413662

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

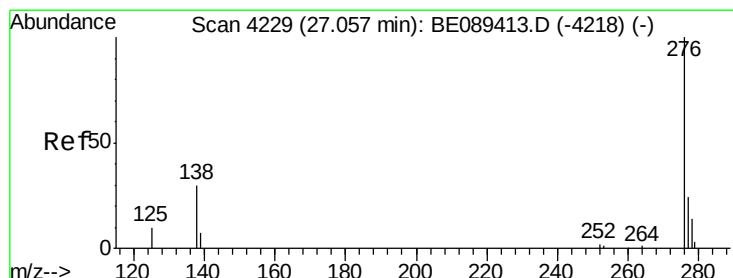
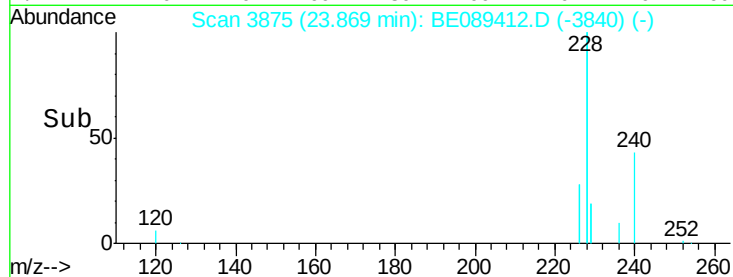
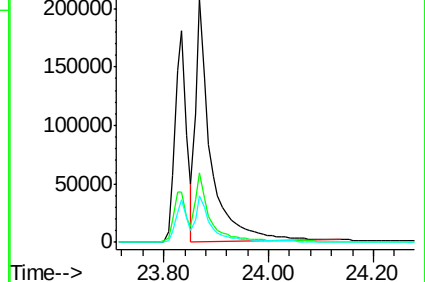
229 18.9 15.5 23.3



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng

RT: 27.05 min Scan# 4227

Delta R.T. -0.01 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

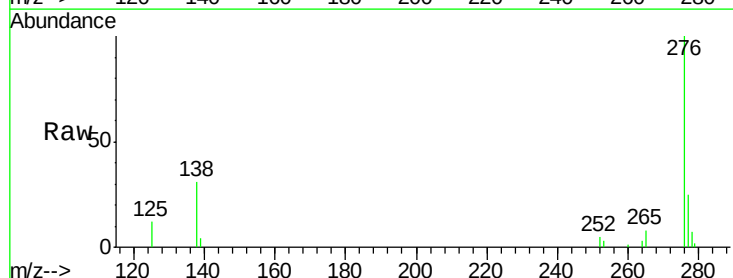
Tgt Ion:276 Resp: 52968

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

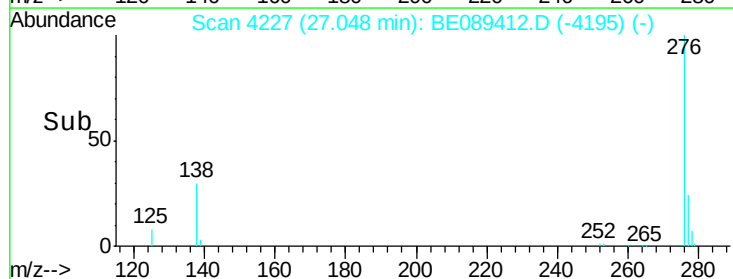
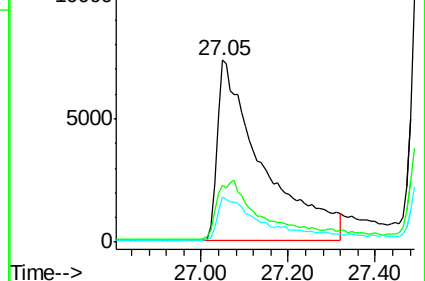
277 18.1 0.0 0.0#

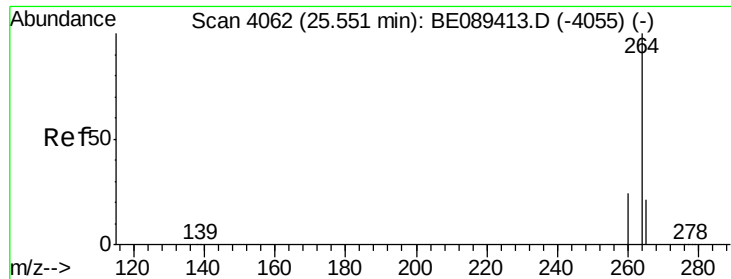


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

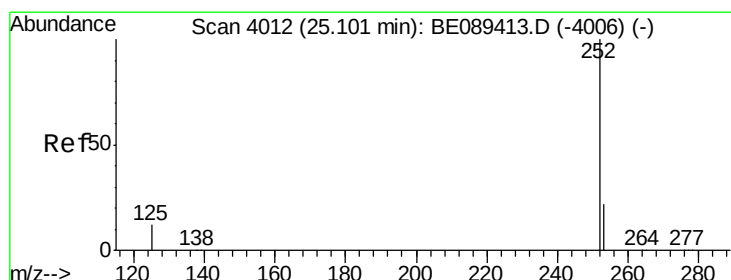
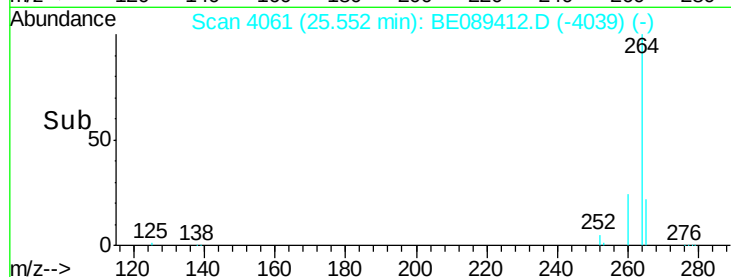
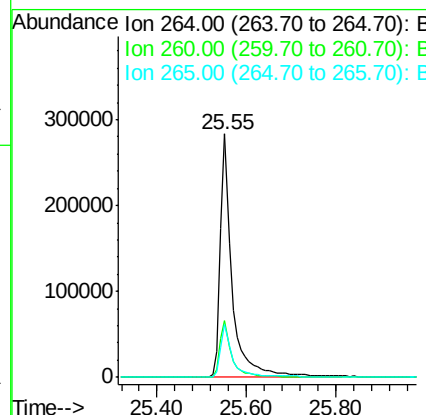
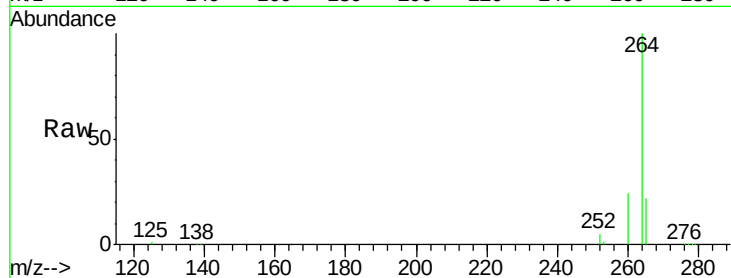




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4061
 Delta R.T. 0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

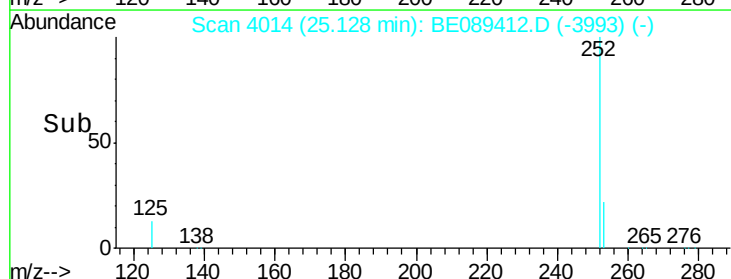
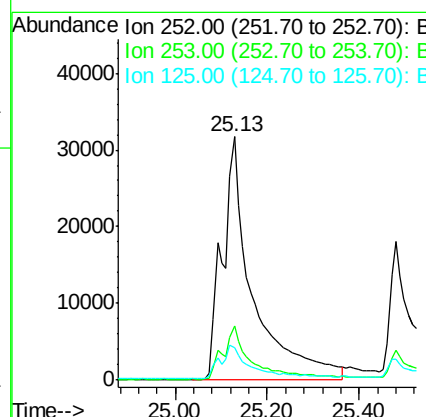
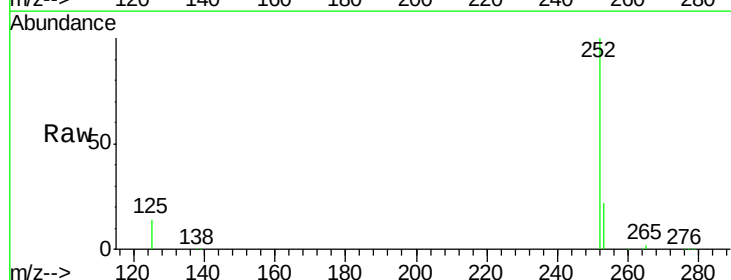
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

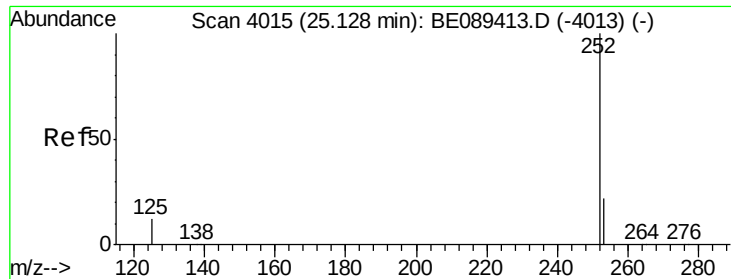
Tgt Ion: 264 Resp: 512647
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.0
 265 22.0 17.1 25.7



#28
Benzo(b)fluoranthene
 Concen: 2.19 ng
 RT: 25.13 min Scan# 4014
 Delta R.T. 0.03 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Tgt Ion: 252 Resp: 142538
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.6 26.4
 125 13.5 10.5 15.7





#29

Benzo(k)fluoranthene

Concen: 0.99 ng

RT: 25.13 min Scan# 4014

Delta R.T. 0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

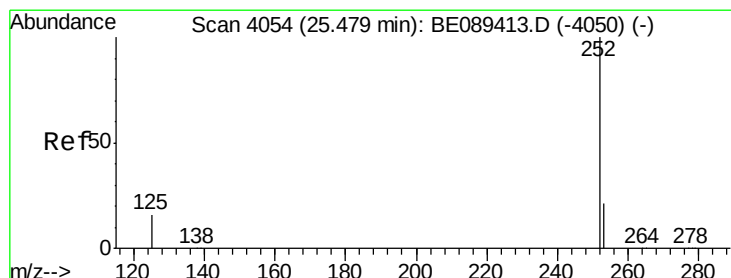
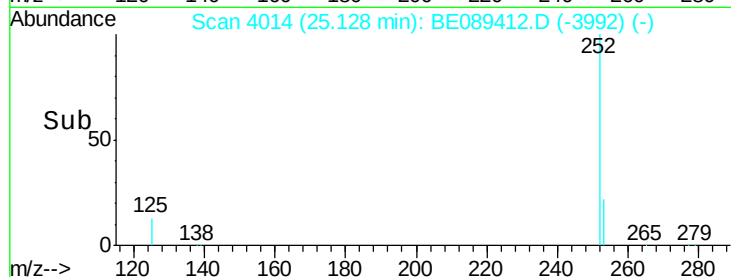
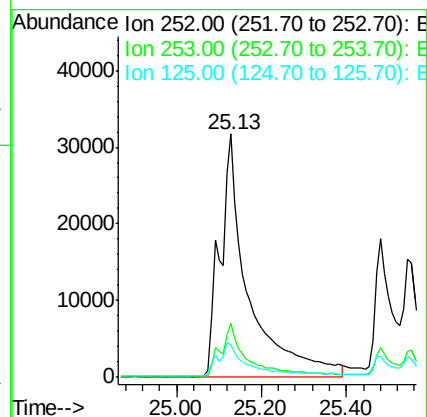
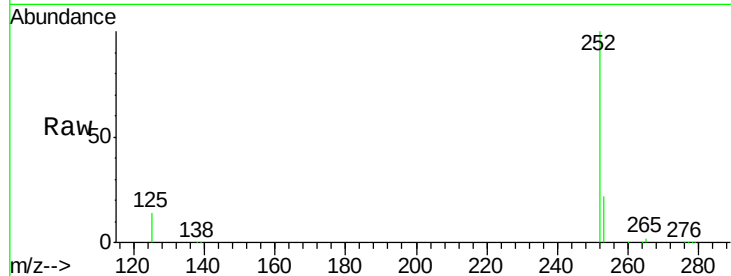
Tgt Ion:252 Resp: 144999

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 13.5 11.0 16.6



#30

Benzo(a)pyrene

Concen: 0.51 ng

RT: 25.48 min Scan# 4053

Delta R.T. 0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

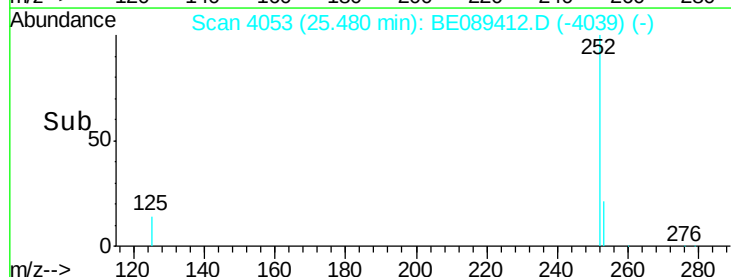
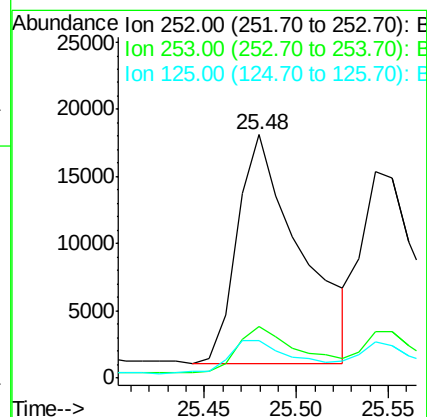
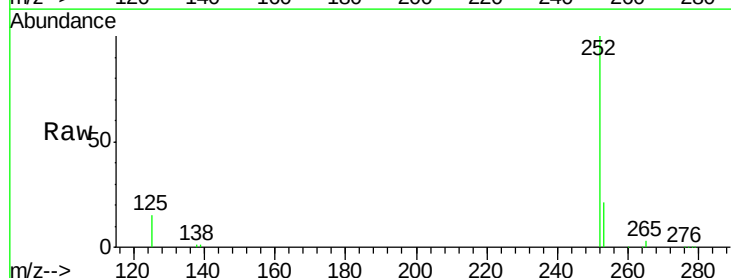
Tgt Ion:252 Resp: 40266

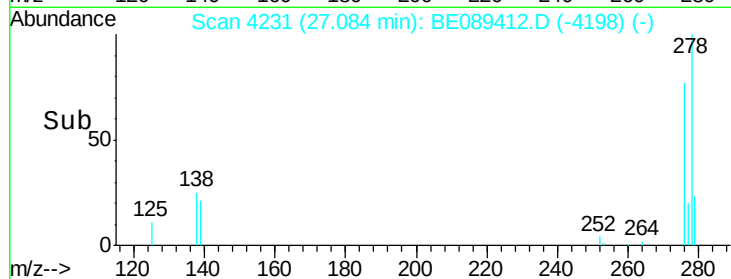
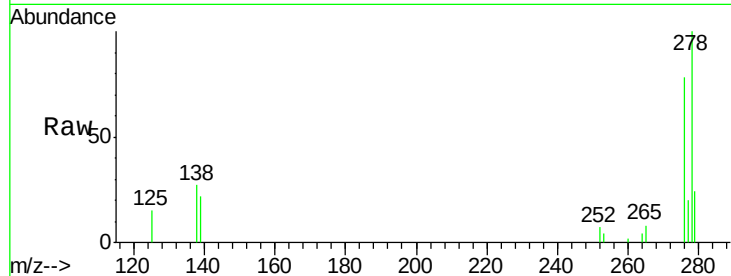
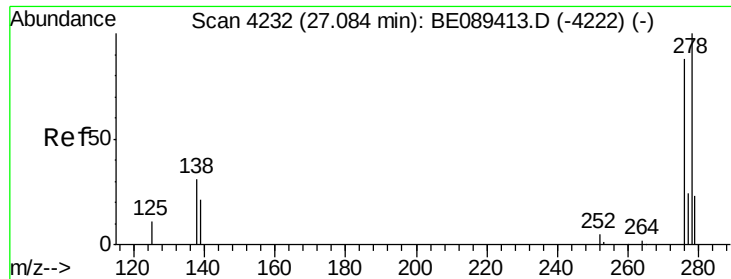
Ion Ratio Lower Upper

252 100

253 21.0 17.3 25.9

125 15.4 13.0 19.6





#31

Dibenzo(a,h)anthracene

Concen: 0.47 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

Tgt Ion: 278 Resp: 38131

Ion Ratio Lower Upper

278 100

139 22.2 17.2 25.8

279 24.4 19.2 28.8

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

