

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089423.D
 Acq On : 29 Jan 2015 21:02
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Jan 30 03:28:17 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 03:05:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	165772	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	616047	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	245613	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	504580	5.00	ng	0.00
20) Chrysene-d12	23.84	240	665818	5.00	ng	0.00
27) Perylene-d12	25.55	264	706291	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	57817	0.93	ng	0.00
4) Phenol-d6	8.85	99	69559	0.94	ng	0.00
8) Nitrobenzene-d5	10.85	82	46750	0.93	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	6195	0.91	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	64633	0.94	ng	0.00
22) Terphenyl-d14	22.48	244	82902	1.08	ng	0.00

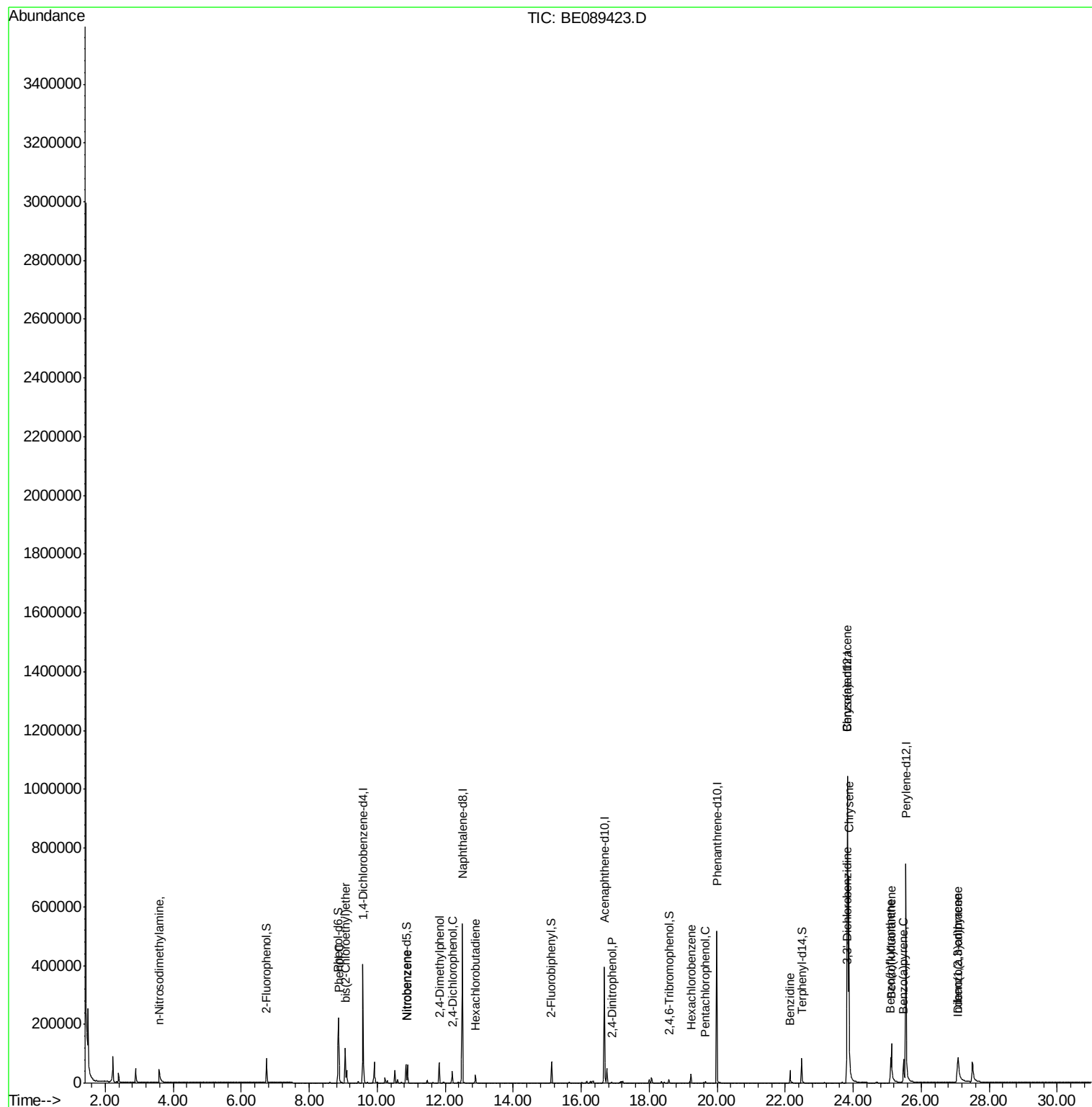
Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.58	42	33004	0.94	ng	83
5) Phenol	8.88	94	75746	0.93	ng	93
6) bis(2-Chloroethyl)ether	9.06	93	55868	0.93	ng	# 99
9) Nitrobenzene	10.89	77	54409	0.95	ng	99
10) 2,4-Dimethylphenol	11.83	122	38505	0.95	ng	94
11) 2,4-Dichlorophenol	12.21	162	26911	0.95	ng	90
12) Hexachlorobutadiene	12.89	225	17711	0.93	ng	99
16) 2,4-Dinitrophenol	16.90	184	1451	1.03	ng	87
18) Hexachlorobenzene	19.23	284	23518	0.95	ng	94
19) Pentachlorophenol	19.65	266	3158	0.76	ng	95
21) Benzidine	22.14	184	46650	1.00	ng	99
23) Benzo(a)anthracene	23.83	228	558596	1.10	ng	100
24) 3,3'-Dichlorobenzidine	23.81	252	46615	1.07	ng	97
25) Chrysene	23.87	228	639211	0.92	ng	97
26) Indeno(1,2,3-cd)pyrene	27.07	276	152142	1.20	ng	# 100
28) Benzo(b)fluoranthene	25.10	252	95457	1.42	ng	98
29) Benzo(k)fluoranthene	25.13	252	197621	0.89	ng	99
30) Benzo(a)pyrene	25.48	252	106620	1.19	ng	99
31) Dibenzo(a,h)anthracene	27.09	278	119561	1.13	ng	96

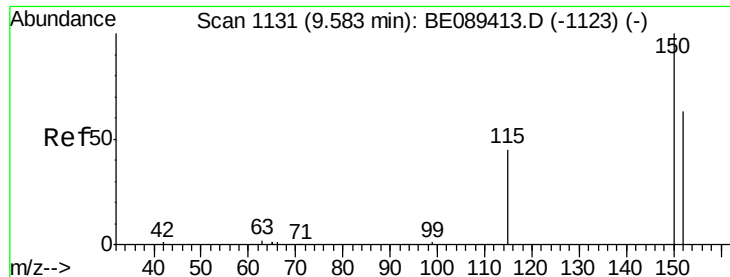
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

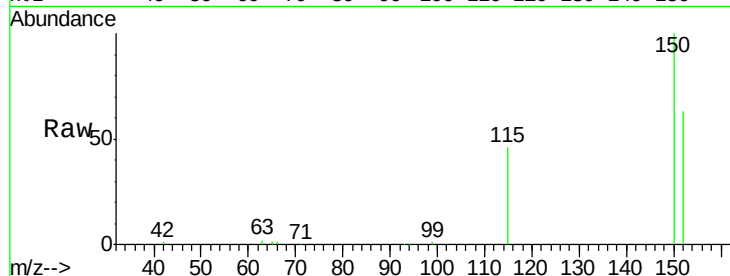
Tgt Ion:152 Resp: 165772

Ion Ratio Lower Upper

152 100

150 159.3 126.1 189.1

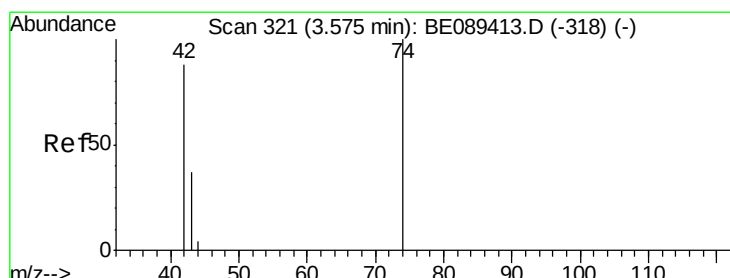
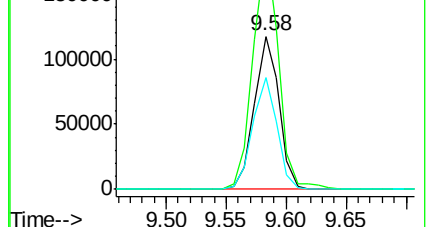
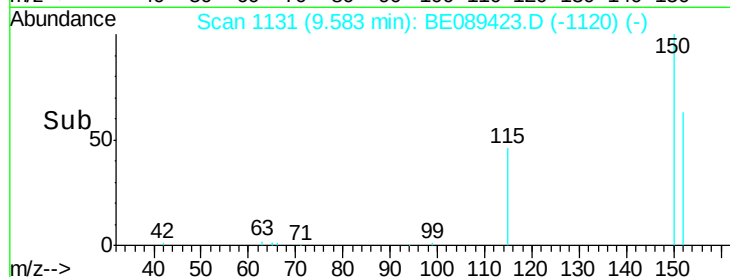
115 73.1 57.1 85.7



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: 0.94 ng

RT: 3.58 min Scan# 322

Delta R.T. 0.01 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

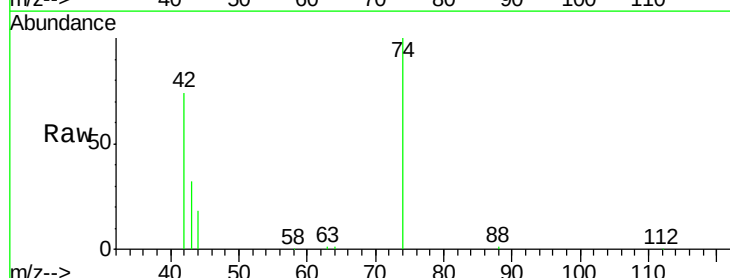
Tgt Ion: 42 Resp: 33004

Ion Ratio Lower Upper

42 100

74 134.7 90.2 135.2

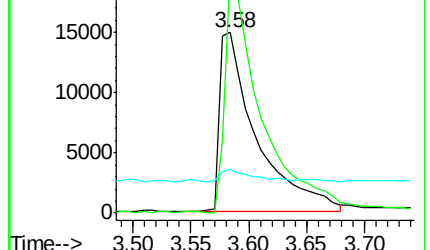
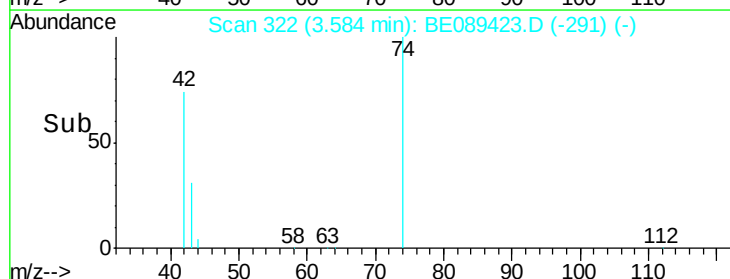
44 24.1 19.4 29.2

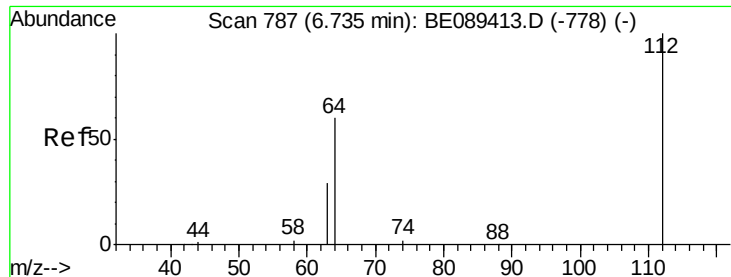


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

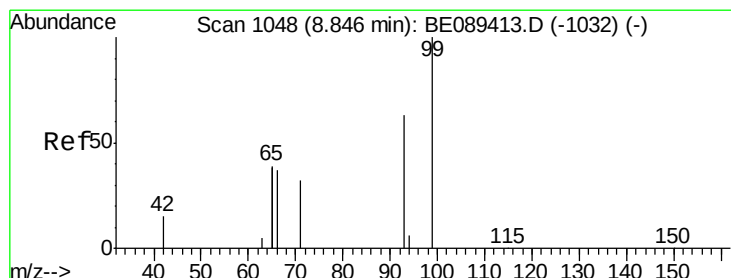
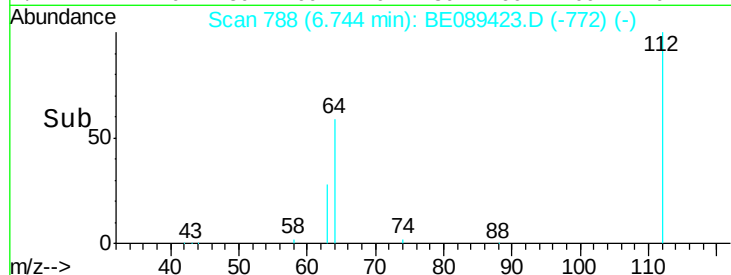
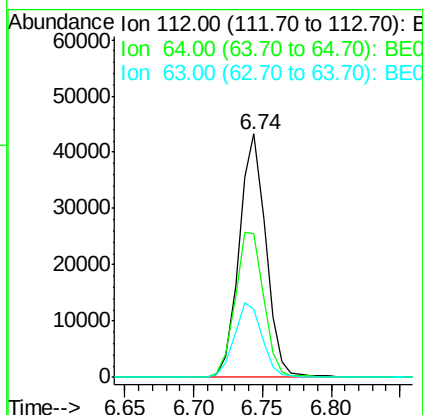
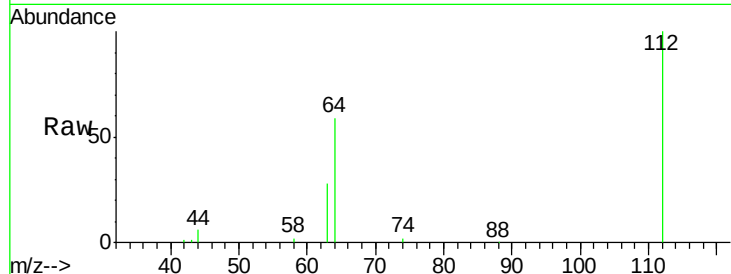




#3
 2-Fluorophenol
 Concen: 0.93 ng
 RT: 6.74 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

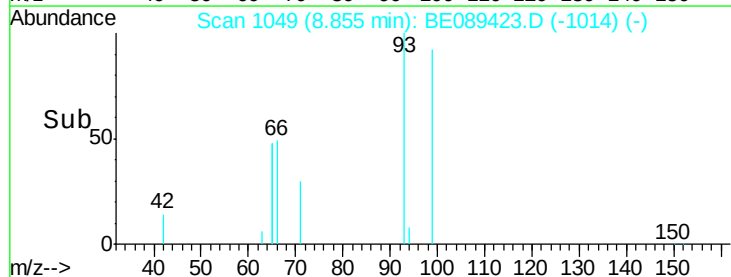
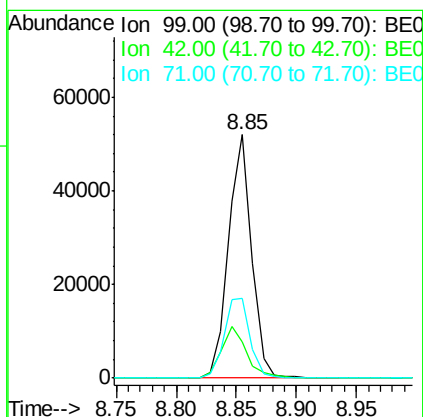
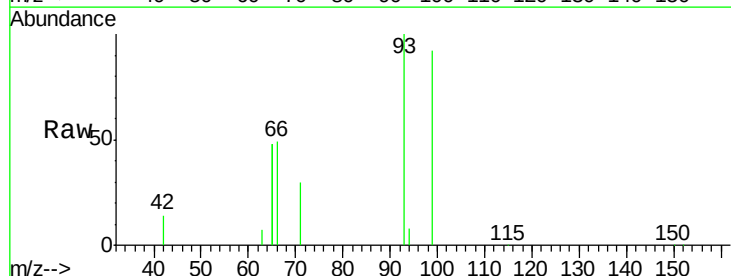
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

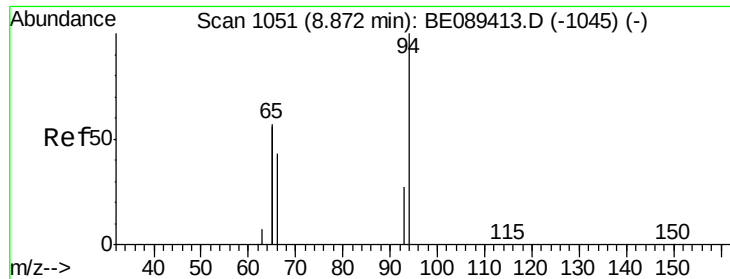
Tgt Ion: 112 Resp: 57817
 Ion Ratio Lower Upper
 112 100
 64 59.3 48.2 72.4
 63 28.0 23.5 35.3



#4
 Phenol-d6
 Concen: 0.94 ng
 RT: 8.85 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

Tgt Ion: 99 Resp: 69559
 Ion Ratio Lower Upper
 99 100
 42 15.1 11.9 17.9
 71 32.8 25.8 38.6





#5

Phenol

Concen: 0.93 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

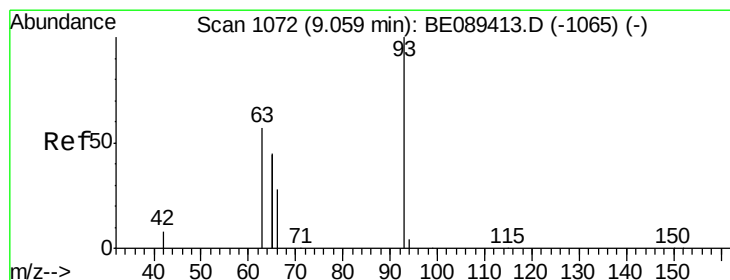
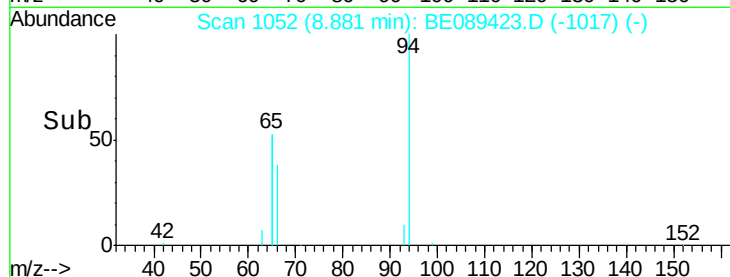
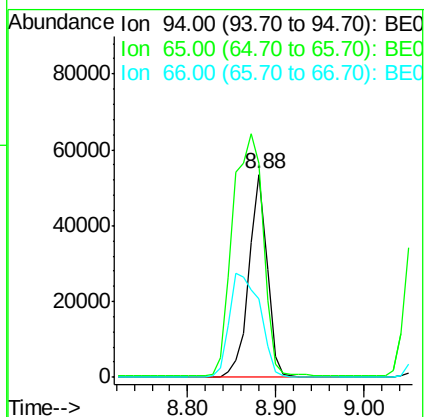
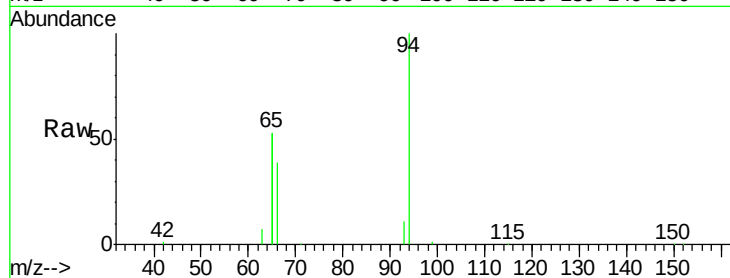
Tgt Ion: 94 Resp: 75746

Ion Ratio Lower Upper

94 100

65 105.6 93.3 133.3

66 38.6 23.6 63.6



#6

bis(2-Chloroethyl)ether

Concen: 0.93 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

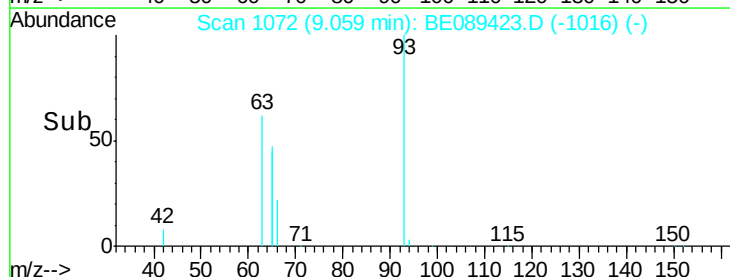
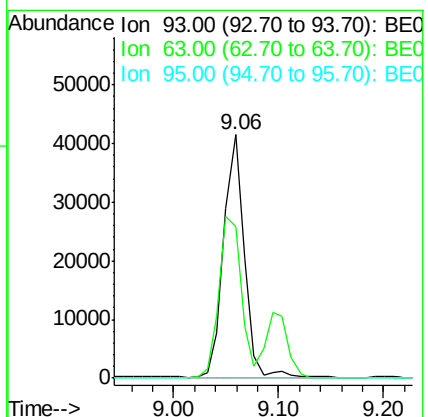
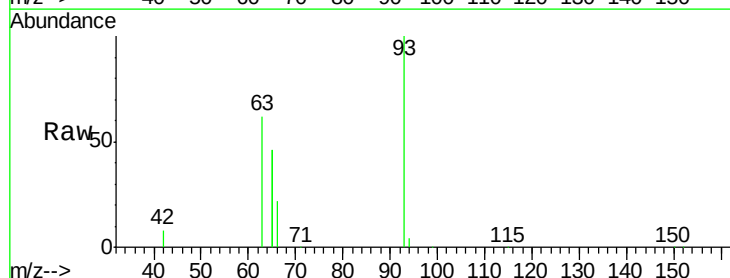
Tgt Ion: 93 Resp: 55868

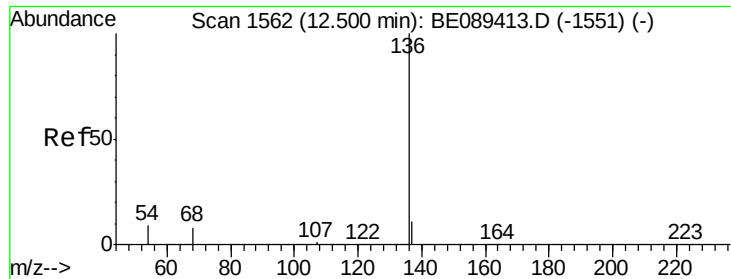
Ion Ratio Lower Upper

93 100

63 72.5 58.6 88.0

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

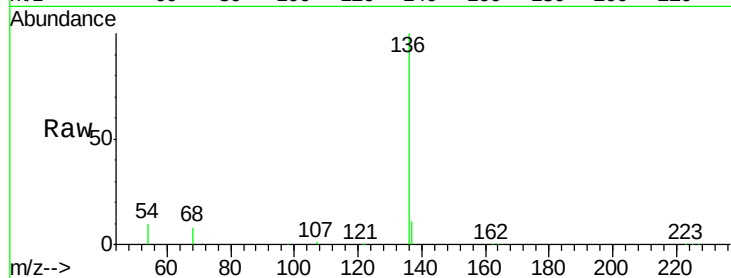
Tgt Ion: 136 Resp: 616047

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

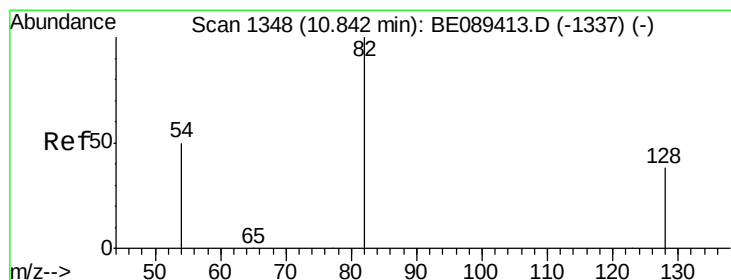
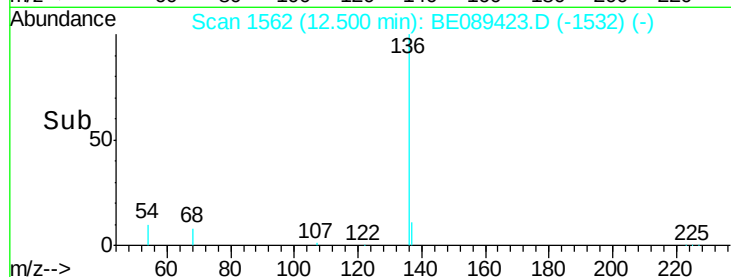
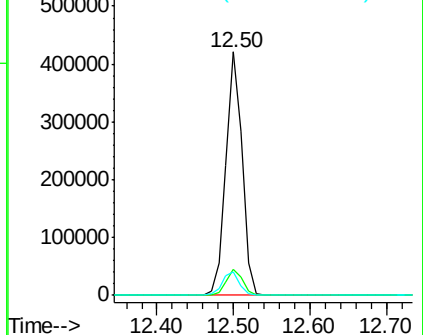
54 9.6 7.5 11.3



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: 0.93 ng

RT: 10.85 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

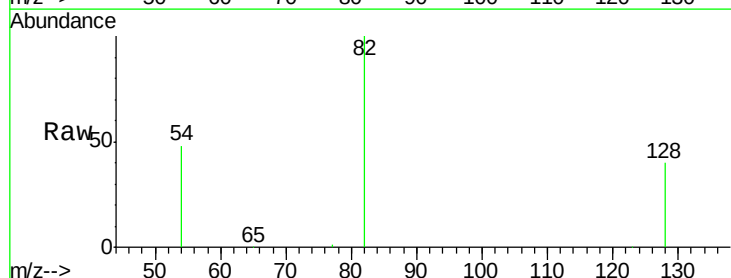
Tgt Ion: 82 Resp: 46750

Ion Ratio Lower Upper

82 100

128 40.3 31.0 46.4

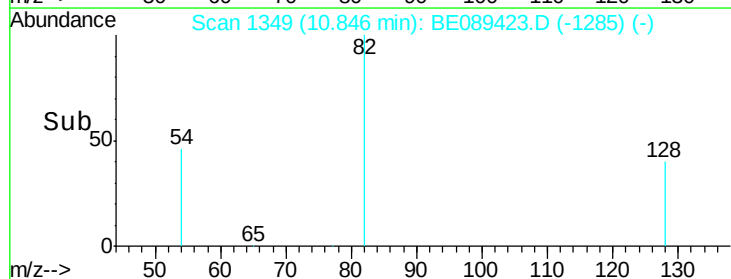
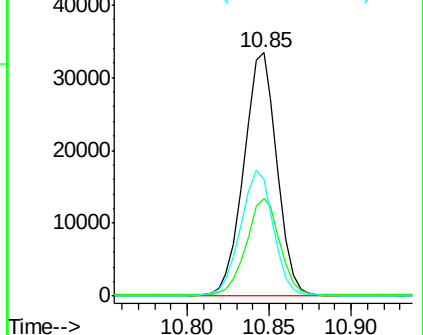
54 48.0 39.8 59.6

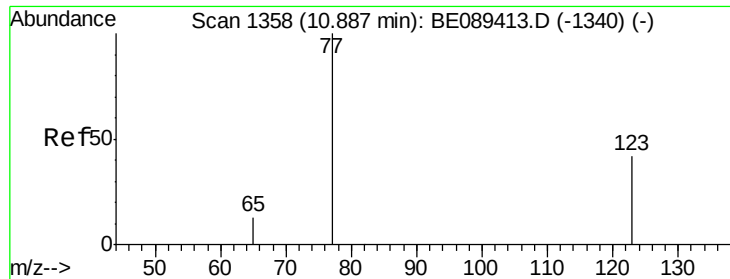


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.95 ng

RT: 10.89 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

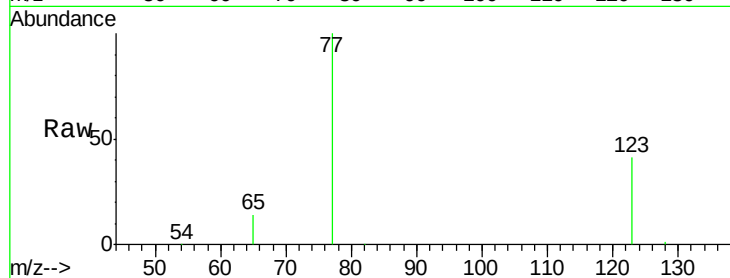
Tgt Ion: 77 Resp: 54409

Ion Ratio Lower Upper

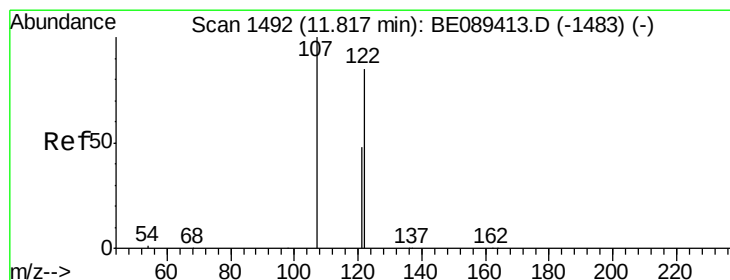
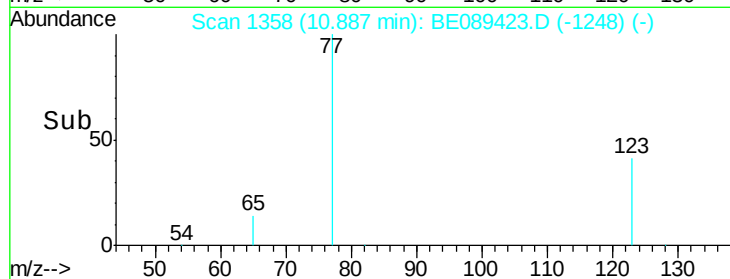
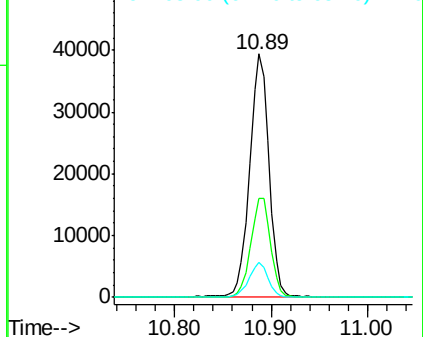
77 100

123 41.4 32.8 49.2

65 13.6 11.0 16.6



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.95 ng

RT: 11.83 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

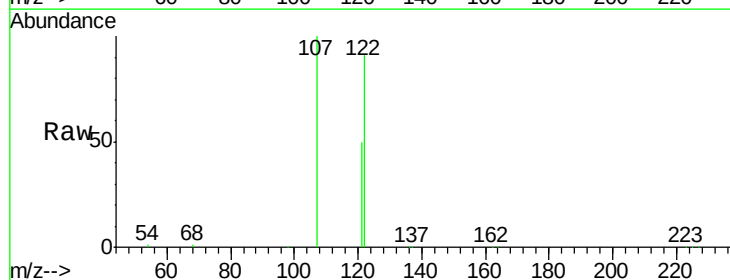
Tgt Ion: 122 Resp: 38505

Ion Ratio Lower Upper

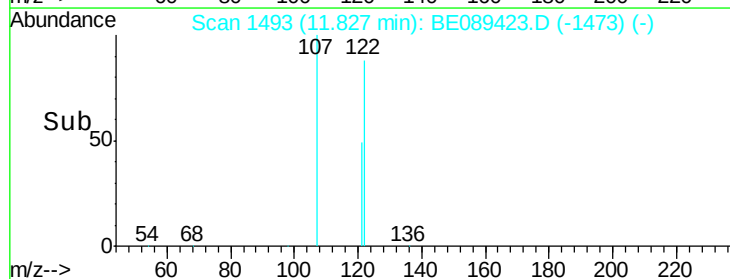
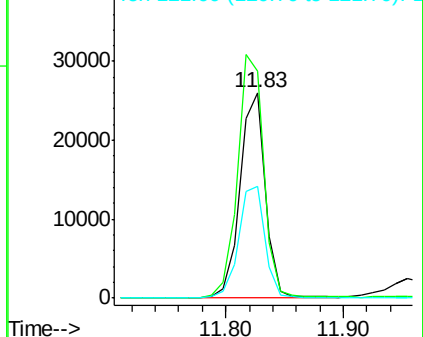
122 100

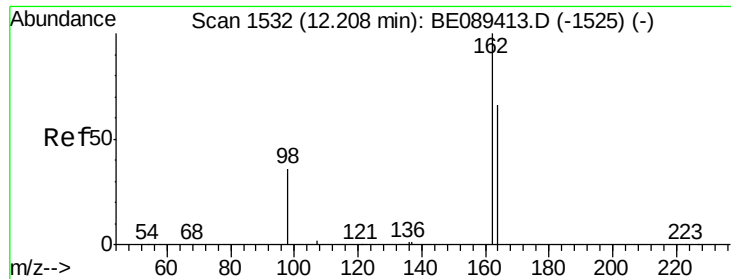
107 110.4 94.6 142.0

121 54.6 45.8 68.6



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

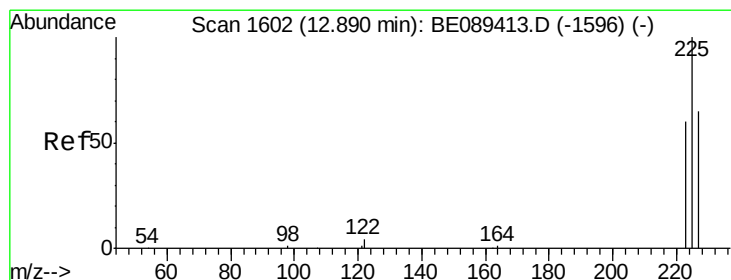
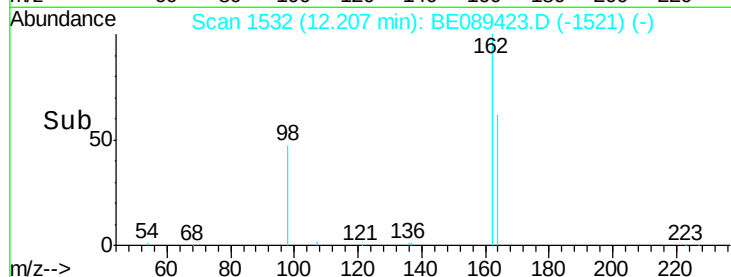
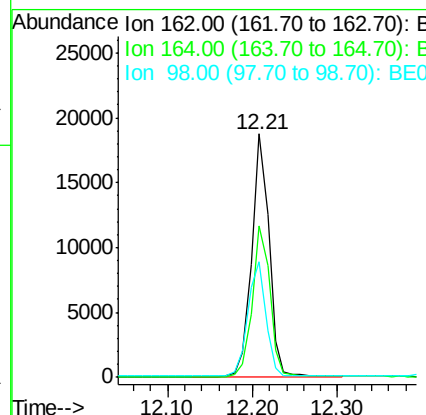
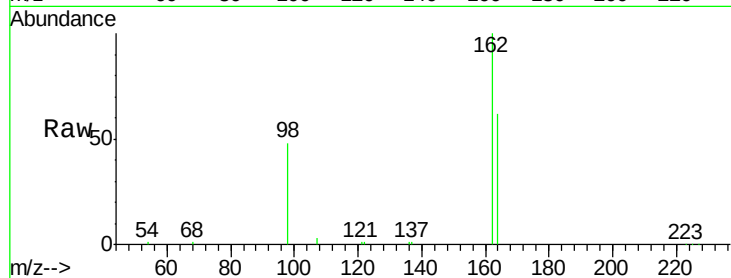




#11
 2,4-Dichlorophenol
 Concen: 0.95 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

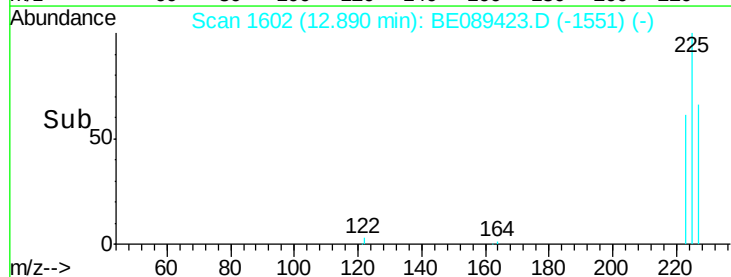
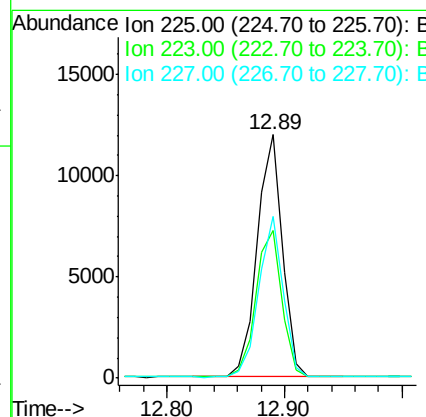
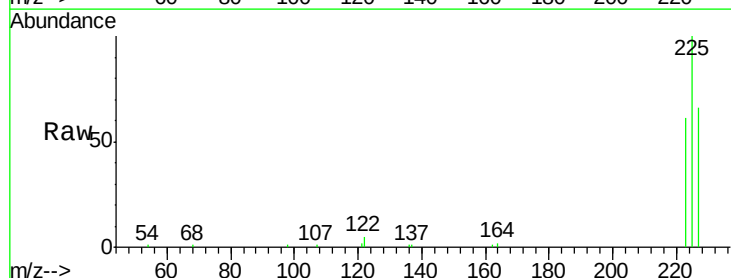
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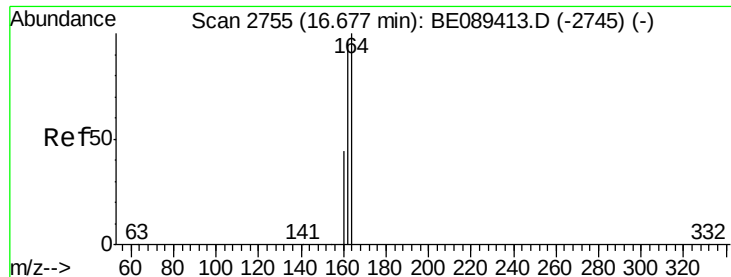
Tgt Ion:162 Resp: 26911
 Ion Ratio Lower Upper
 162 100
 164 62.1 46.1 86.1
 98 47.6 16.2 56.2



#12
 Hexachlorobutadiene
 Concen: 0.93 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

Tgt Ion:225 Resp: 17711
 Ion Ratio Lower Upper
 225 100
 223 62.4 50.4 75.6
 227 63.8 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: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

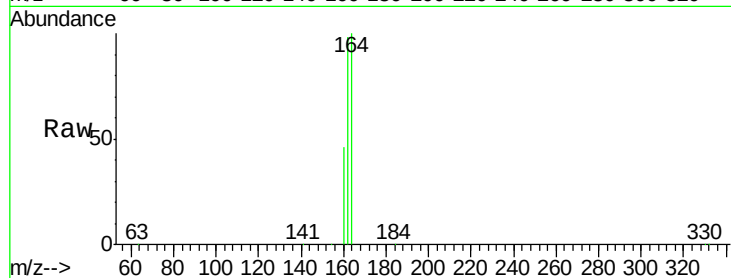
Tgt Ion:164 Resp: 245613

Ion Ratio Lower Upper

164 100

162 98.0 77.0 115.6

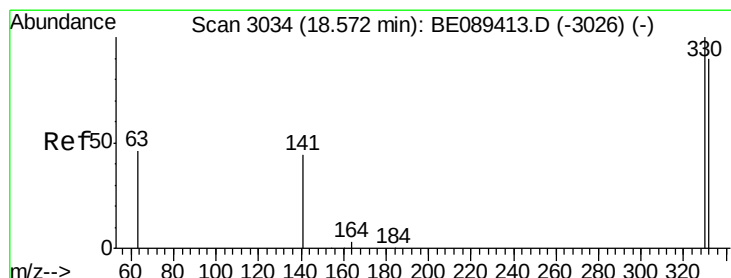
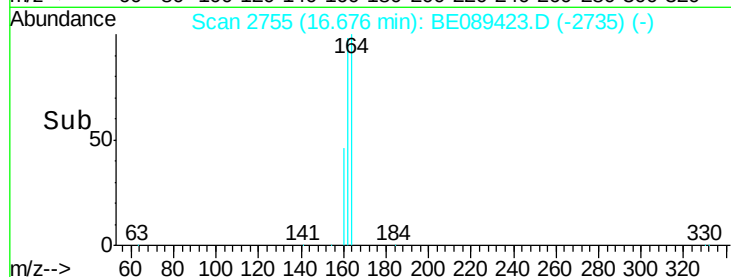
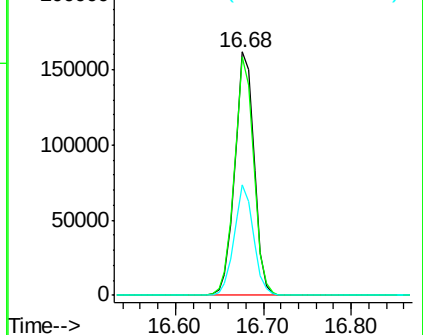
160 45.6 35.0 52.4



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: 0.91 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.01 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

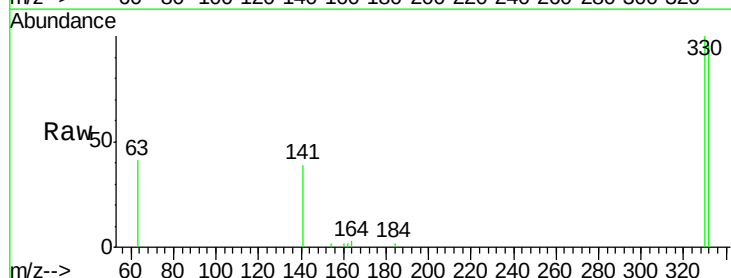
Tgt Ion:330 Resp: 6195

Ion Ratio Lower Upper

330 100

332 95.5 76.0 114.0

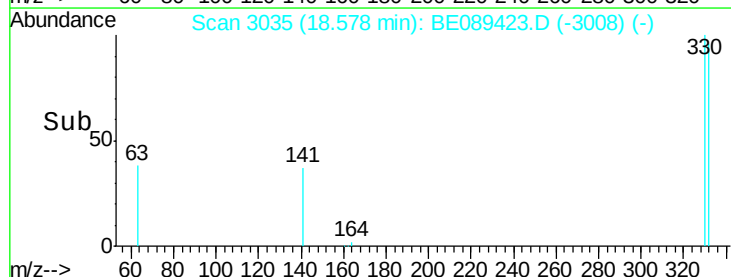
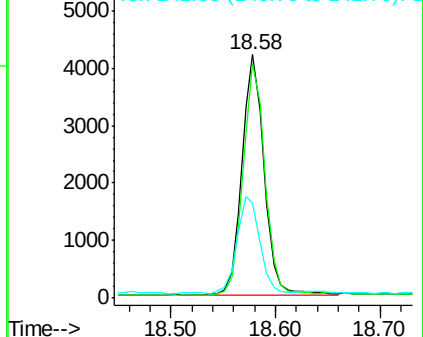
141 41.3 35.6 53.4

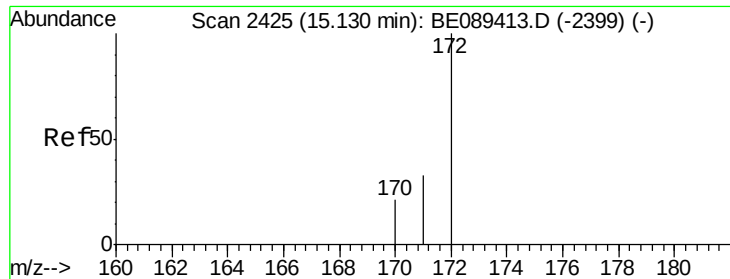


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

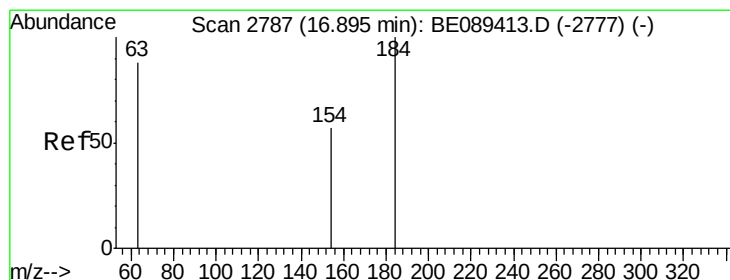
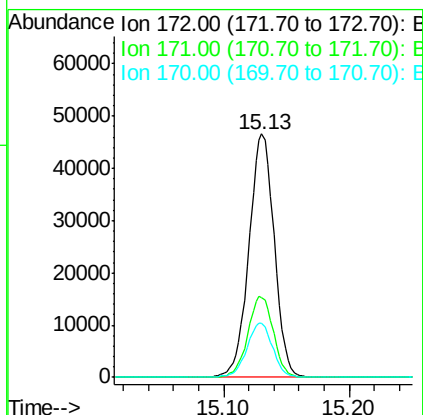
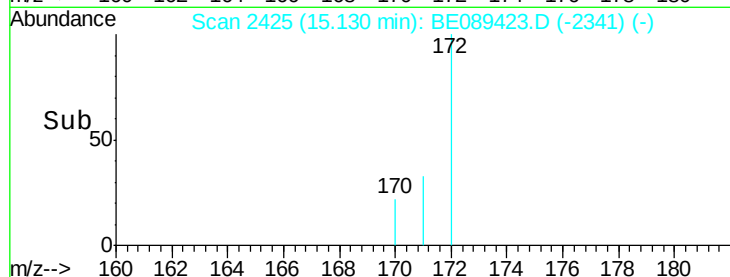
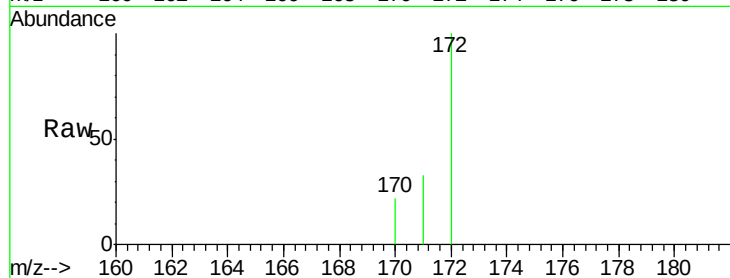




#15
2-Fluorobiphenyl
Concen: 0.94 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089423.D
Acq: 29 Jan 2015 21:02

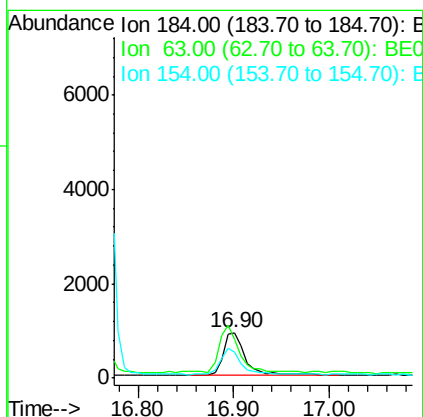
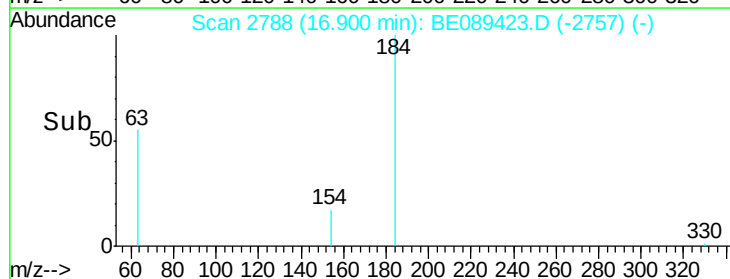
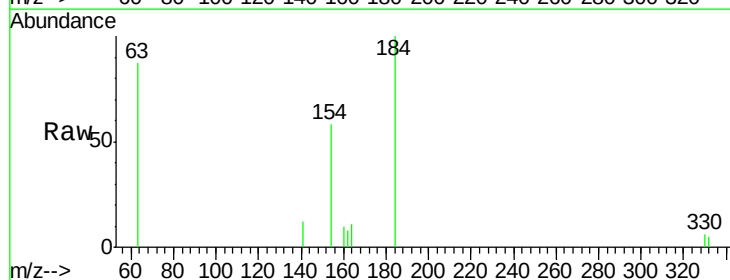
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

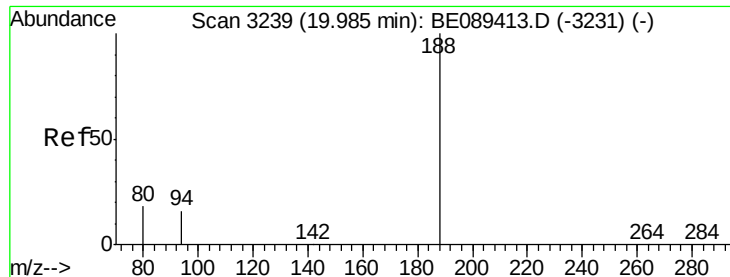
Tgt Ion:172 Resp: 64633
Ion Ratio Lower Upper
172 100
171 32.8 26.6 39.8
170 22.4 17.1 25.7



#16
2,4-Dinitrophenol
Concen: 1.03 ng
RT: 16.90 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BE089423.D
Acq: 29 Jan 2015 21:02

Tgt Ion:184 Resp: 1451
Ion Ratio Lower Upper
184 100
63 87.0 79.0 118.4
154 57.7 55.8 83.6

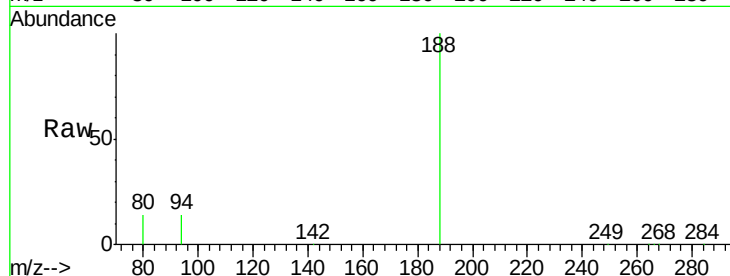




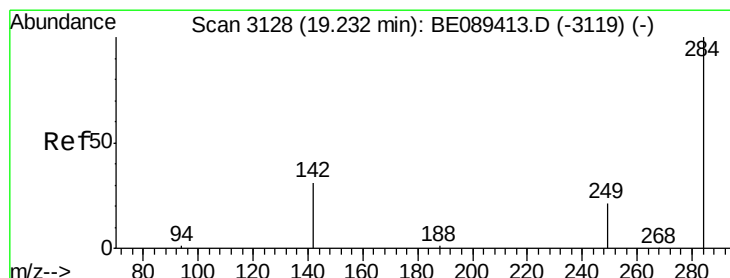
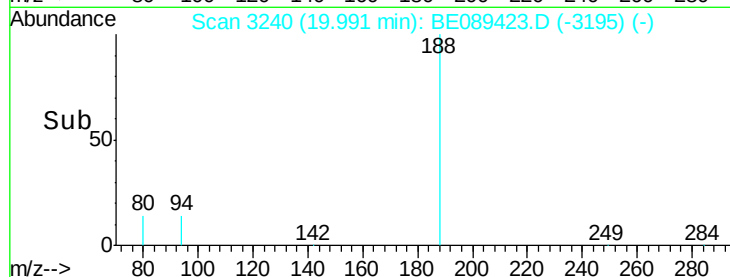
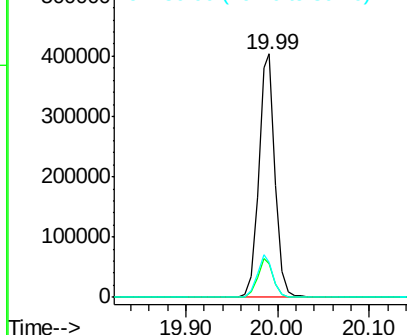
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BE089423.D
Acq: 29 Jan 2015 21:02

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion:188 Resp: 504580
Ion Ratio Lower Upper
188 100
94 14.1 13.0 19.6
80 14.2 14.2 21.4#

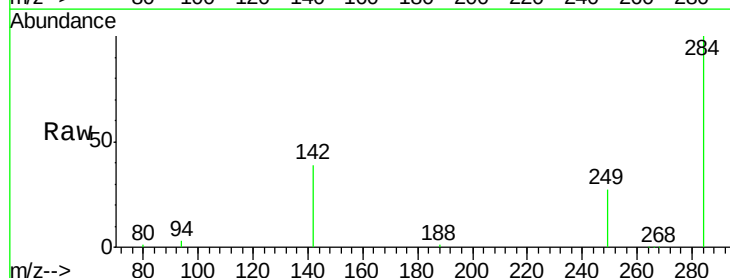


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

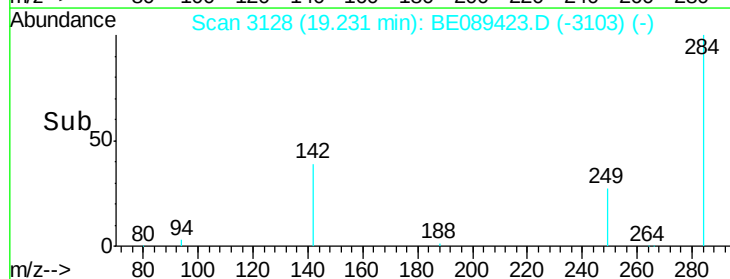
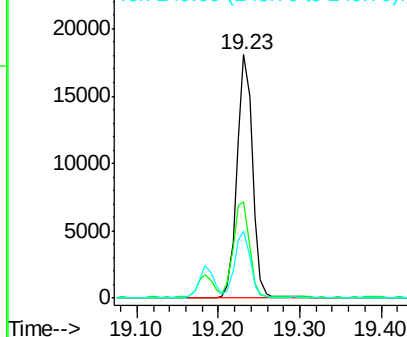


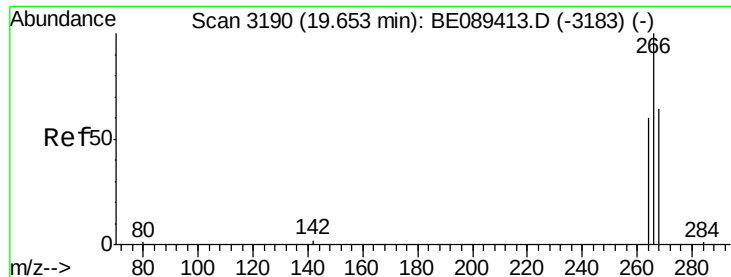
#18
Hexachlorobenzene
Concen: 0.95 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089423.D
Acq: 29 Jan 2015 21:02

Tgt Ion:284 Resp: 23518
Ion Ratio Lower Upper
284 100
142 39.4 28.3 42.5
249 27.3 19.9 29.9



Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#19

Pentachlorophenol

Concen: 0.76 ng

RT: 19.65 min Scan# 3190

Delta R.T. 0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

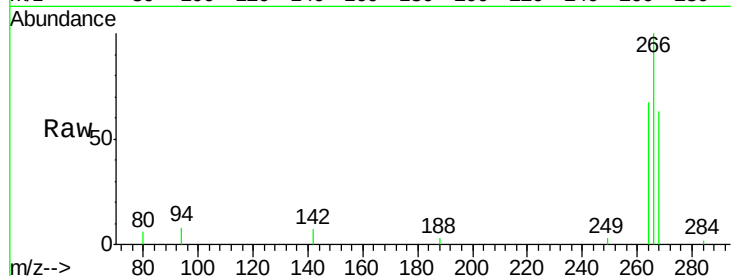
Tgt Ion:266 Resp: 3158

Ion Ratio Lower Upper

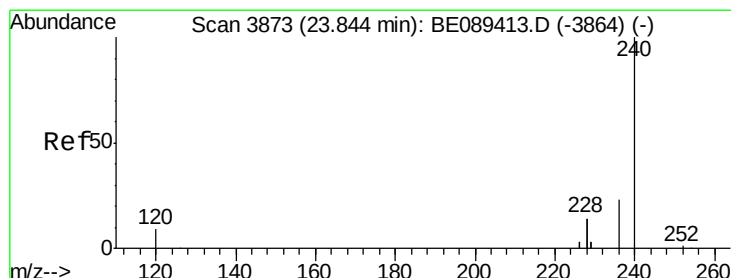
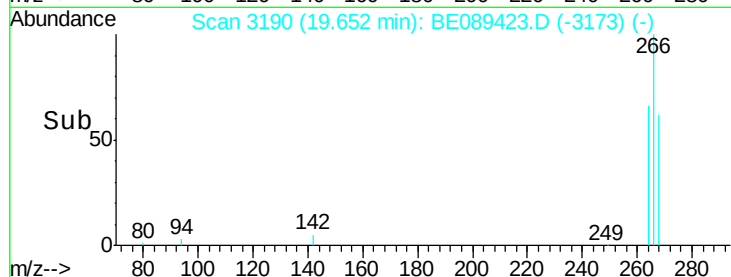
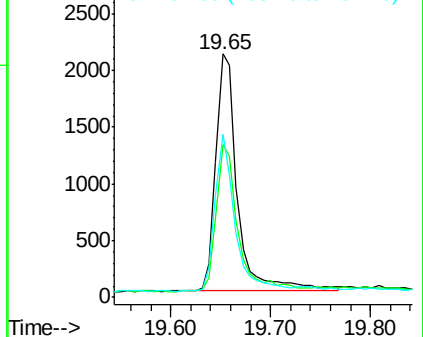
266 100

268 62.8 51.9 77.9

264 66.8 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# 3873

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

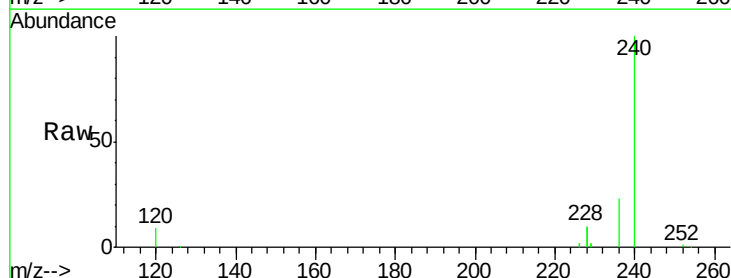
Tgt Ion:240 Resp: 665818

Ion Ratio Lower Upper

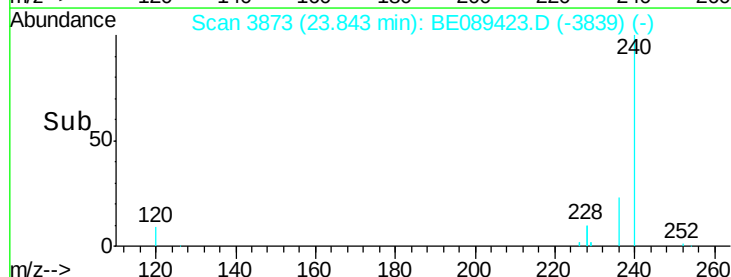
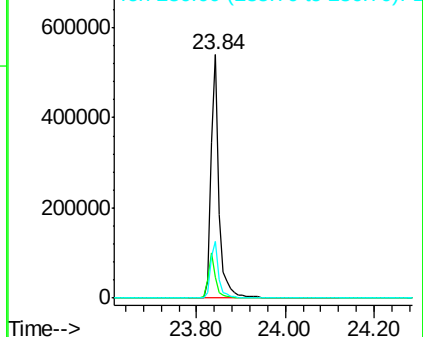
240 100

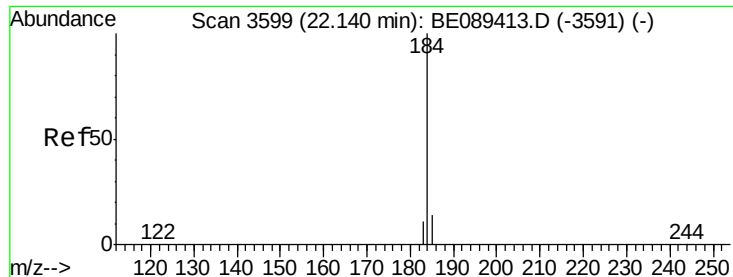
120 8.8 6.9 10.3

236 23.2 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: 1.00 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

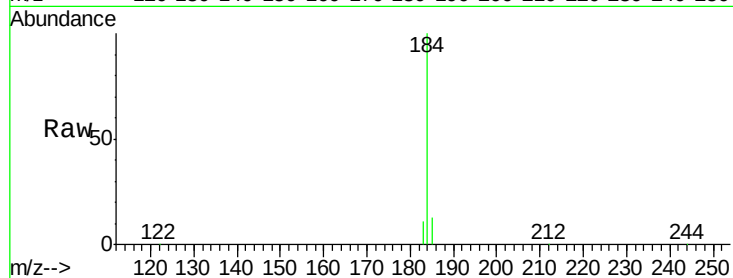
Tgt Ion:184 Resp: 46650

Ion Ratio Lower Upper

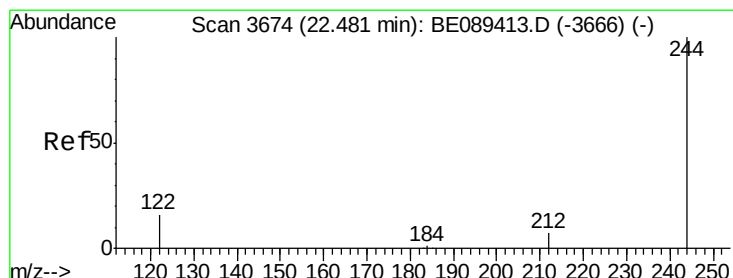
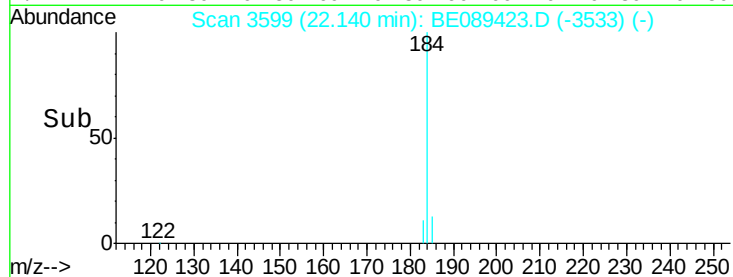
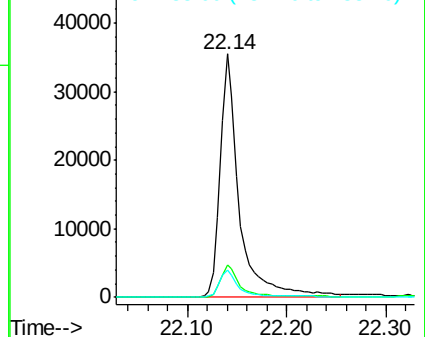
184 100

185 13.5 11.0 16.6

183 11.3 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: 1.08 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

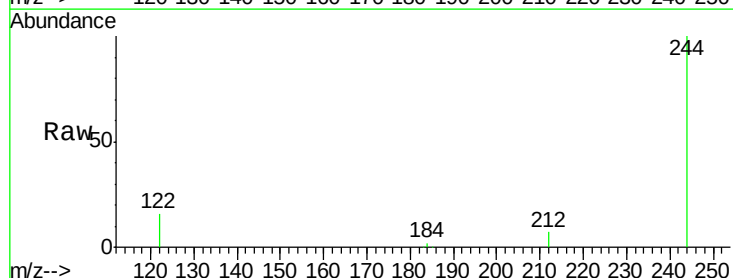
Tgt Ion:244 Resp: 82902

Ion Ratio Lower Upper

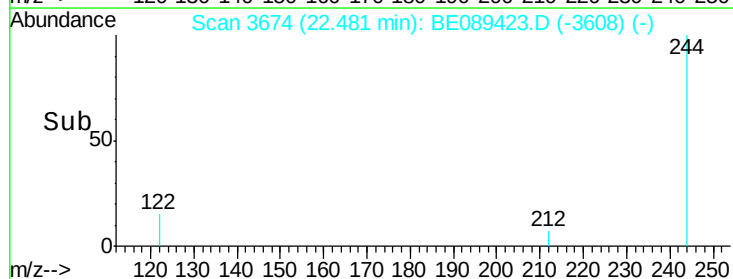
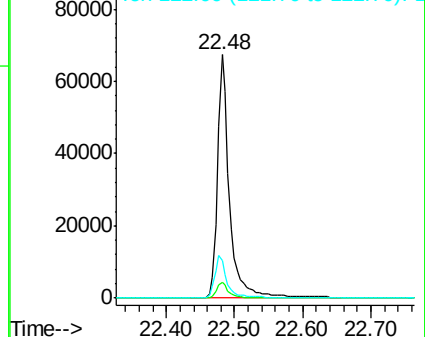
244 100

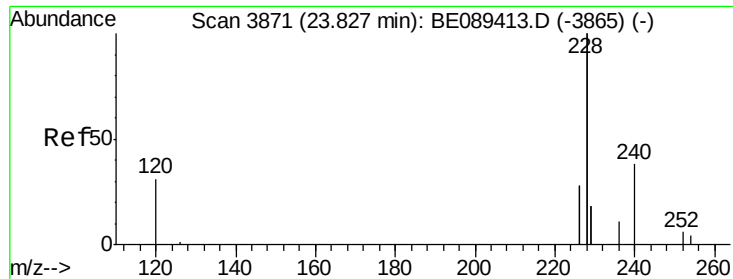
212 6.6 5.4 8.0

122 15.6 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: 1.10 ng

RT: 23.83 min Scan# 3871

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

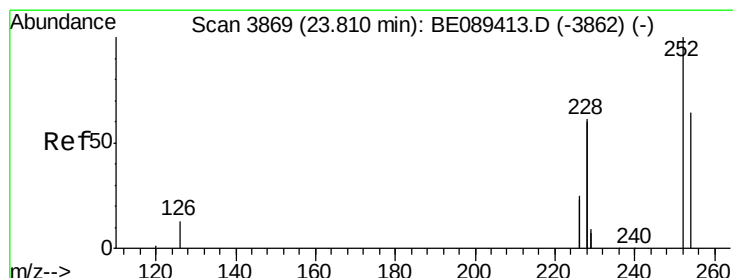
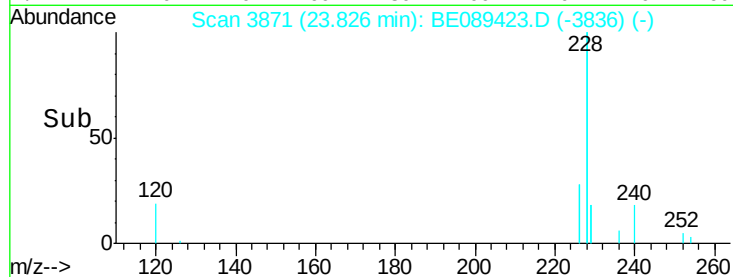
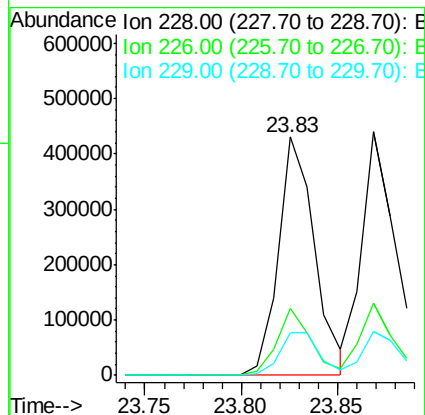
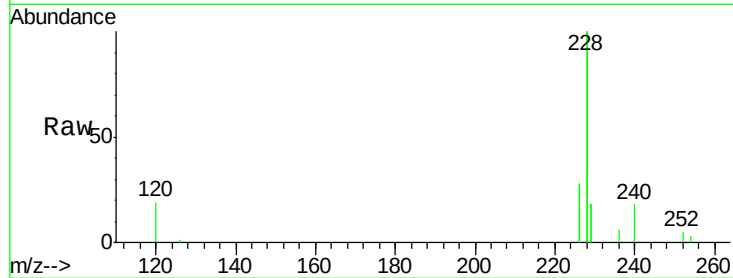
Tgt Ion:228 Resp: 558596

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

229 17.9 14.5 21.7



#24

3,3'-Dichlorobenzidine

Concen: 1.07 ng

RT: 23.81 min Scan# 3869

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

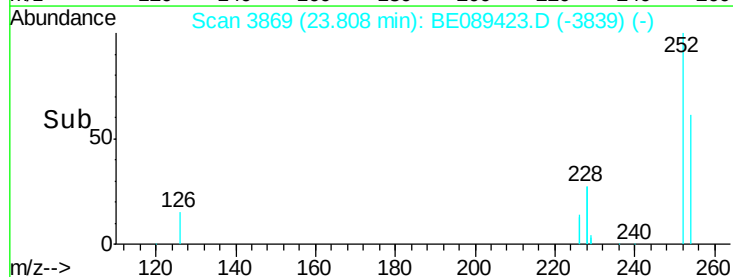
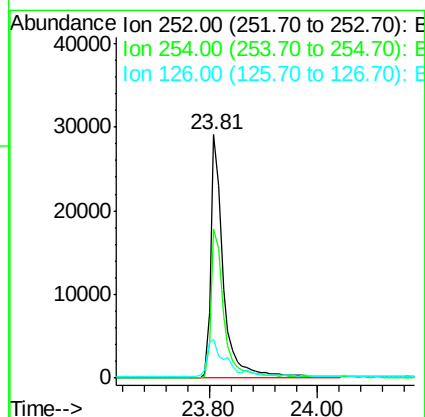
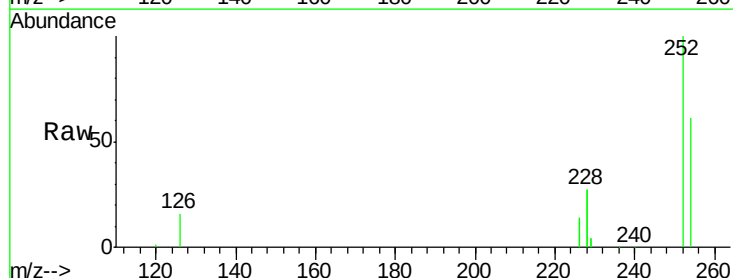
Tgt Ion:252 Resp: 46615

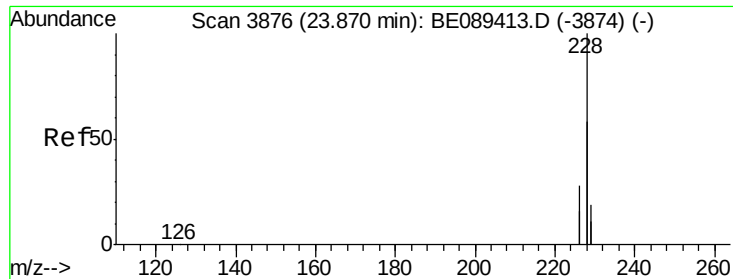
Ion Ratio Lower Upper

252 100

254 61.4 51.1 76.7

126 15.9 11.5 17.3





#25

Chrysene

Concen: 0.92 ng

RT: 23.87 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

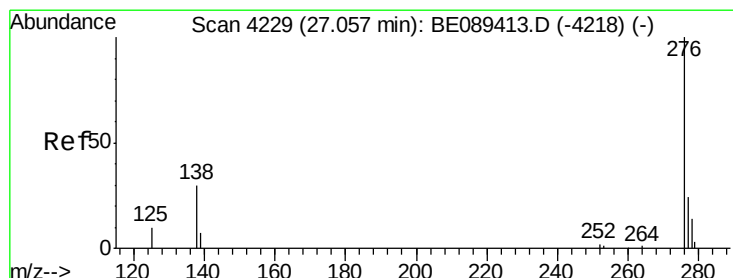
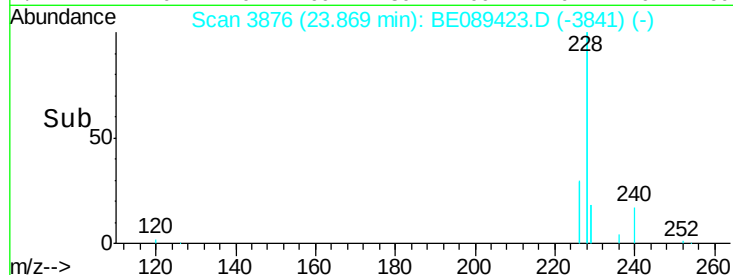
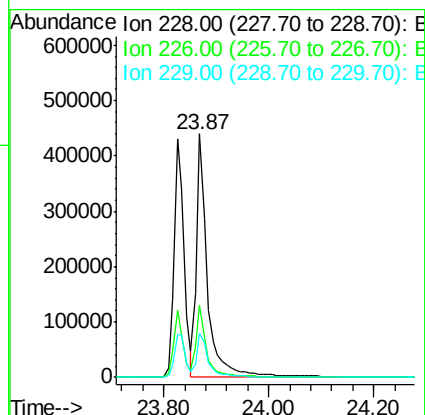
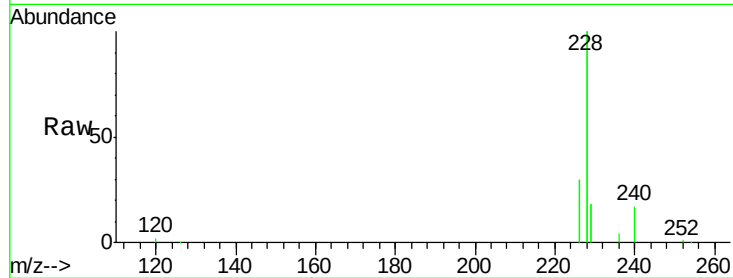
Tgt Ion:228 Resp: 639211

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

229 18.3 15.5 23.3



#26

Indeno(1,2,3-cd)pyrene

Concen: 1.20 ng

RT: 27.07 min Scan# 4230

Delta R.T. 0.01 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

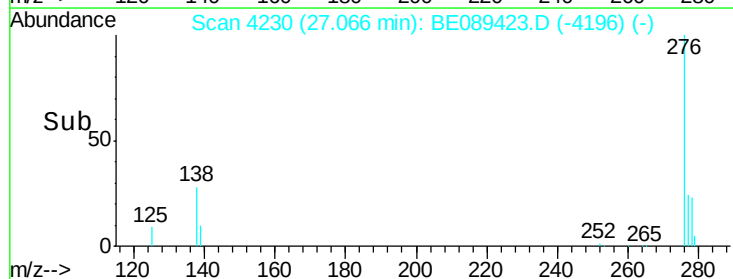
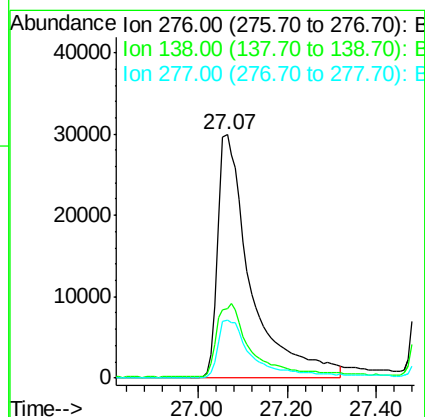
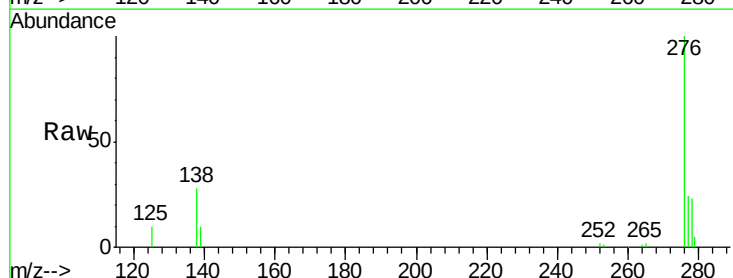
Tgt Ion:276 Resp: 152142

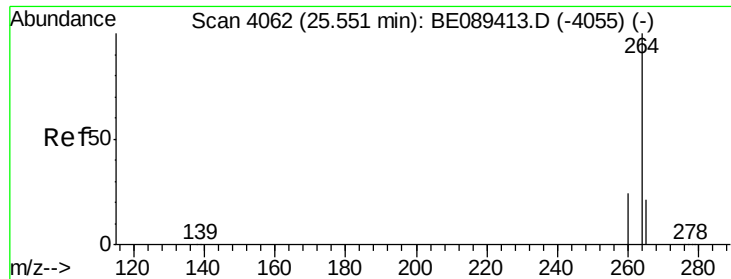
Ion Ratio Lower Upper

276 100

138 32.0 0.0 0.0#

277 24.6 0.0 0.0#





#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4062

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

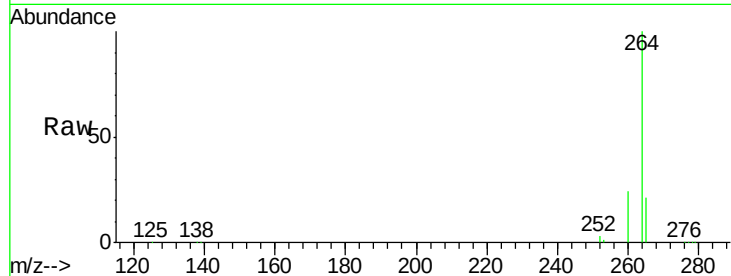
Tgt Ion:264 Resp: 706291

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

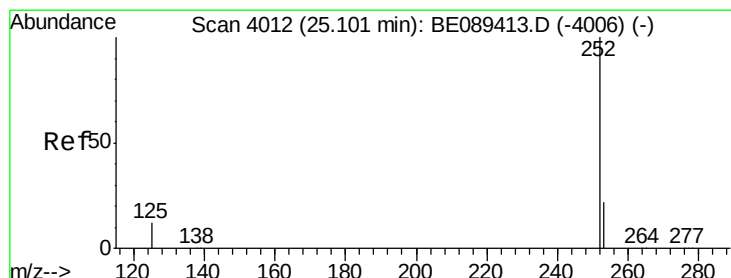
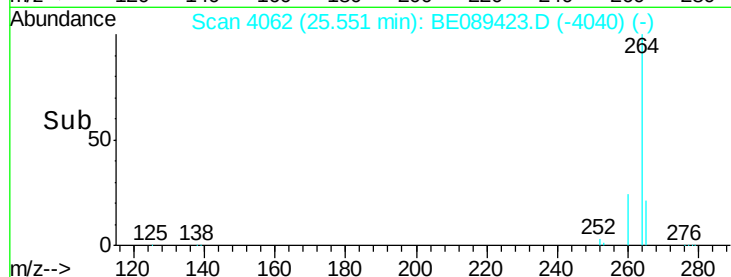
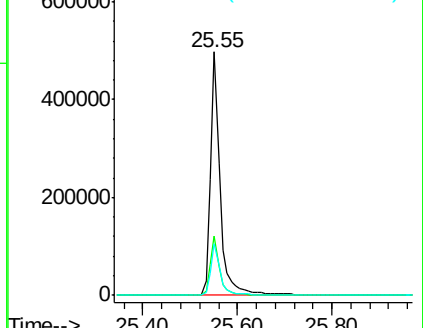
265 21.4 17.1 25.7



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



#28

Benzo(b)fluoranthene

Concen: 1.42 ng

RT: 25.10 min Scan# 4012

Delta R.T. 0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

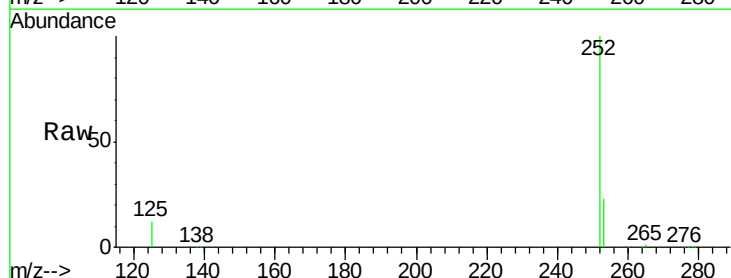
Tgt Ion:252 Resp: 95457

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

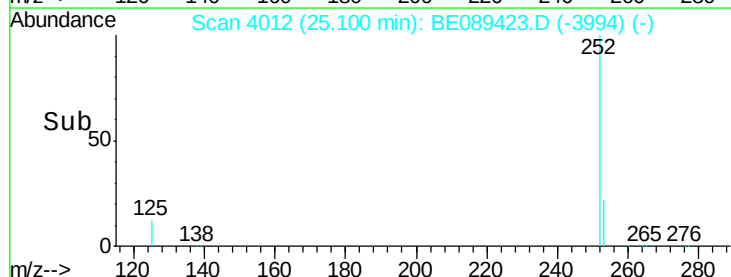
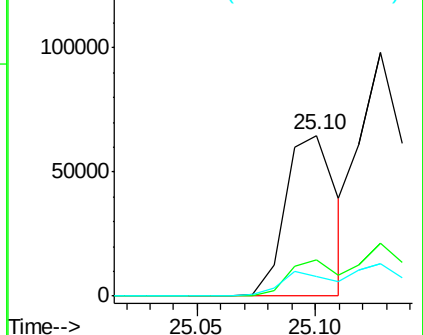
125 11.9 10.5 15.7

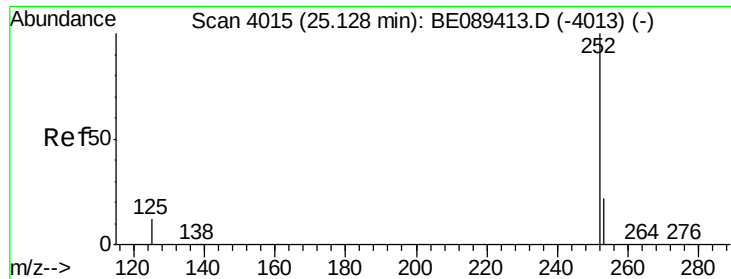


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Benzo(k)fluoranthene

Concen: 0.89 ng

RT: 25.13 min Scan# 4015

Delta R.T. 0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

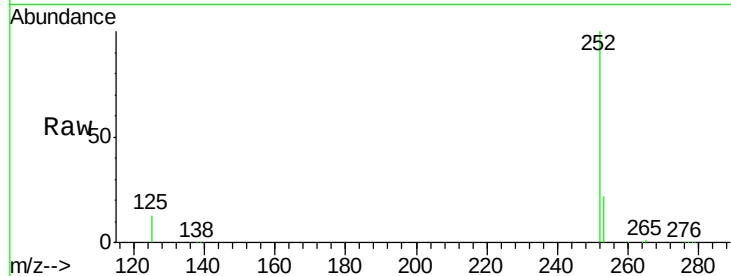
Tgt Ion:252 Resp: 197621

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

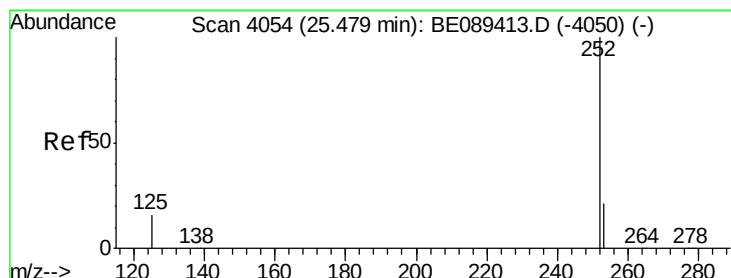
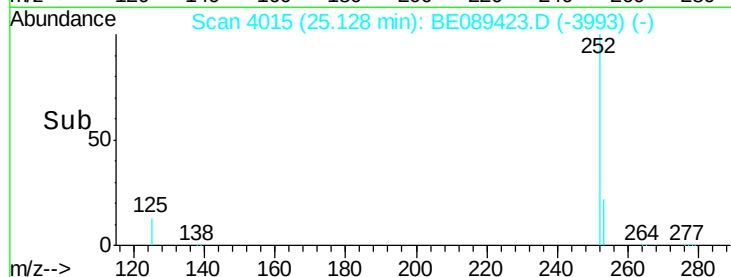
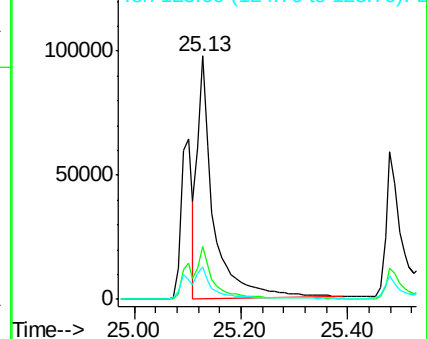
125 13.3 11.0 16.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#30

Benzo(a)pyrene

Concen: 1.19 ng

RT: 25.48 min Scan# 4054

Delta R.T. 0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

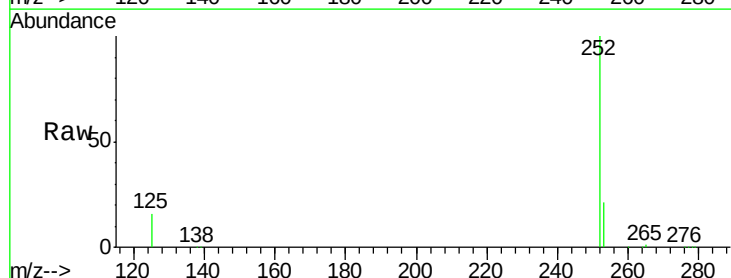
Tgt Ion:252 Resp: 106620

Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

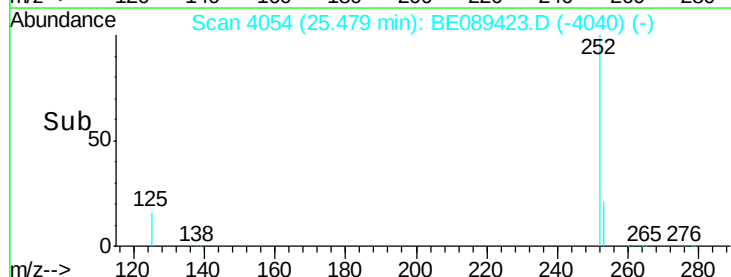
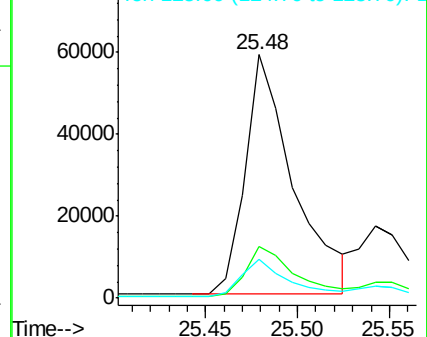
125 16.0 13.0 19.6

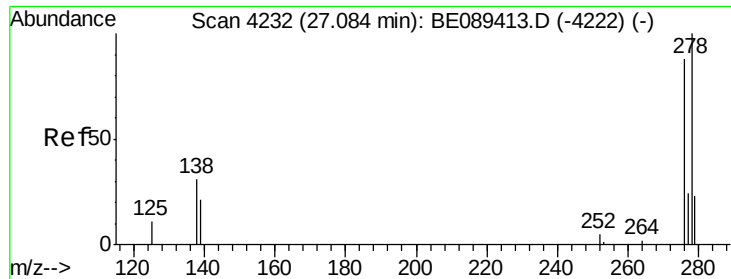


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 1.13 ng

RT: 27.09 min Scan# 4233

Delta R.T. 0.01 min

Lab File: BE089423.D

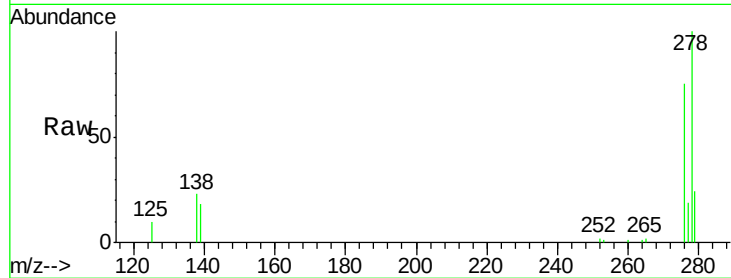
Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



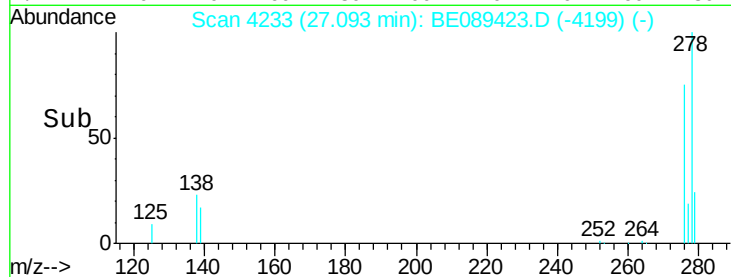
Tgt Ion: 278 Resp: 119561

Ion Ratio Lower Upper

278 100

139 17.9 17.2 25.8

279 24.0 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

