

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089415.D
 Acq On : 29 Jan 2015 14:40
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Quant Time: Jan 30 02:45:25 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

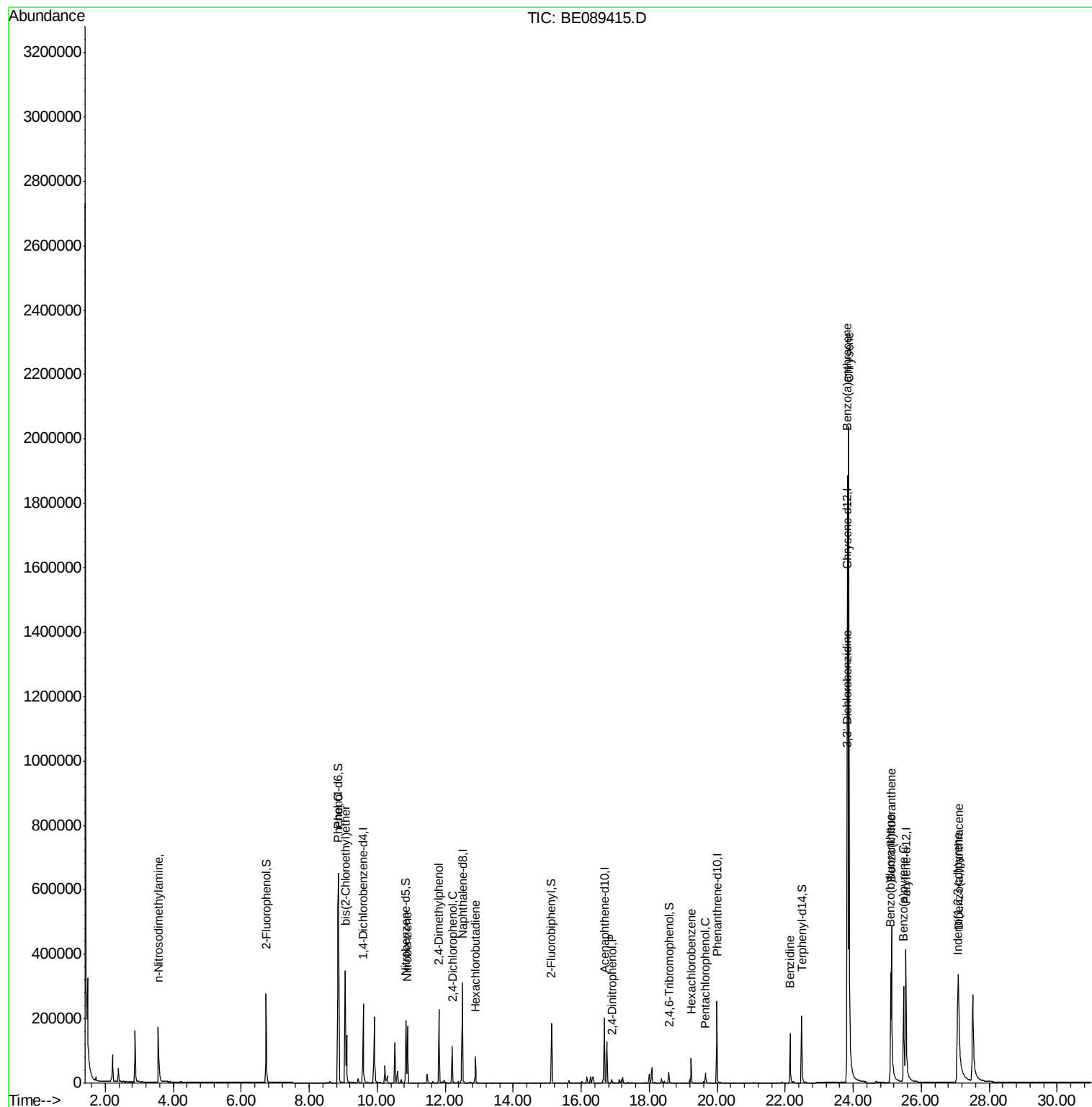
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	101241	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	353948	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	124753	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	244053	5.00	ng	0.00
20) Chrysene-d12	23.84	240	398056	5.00	ng	0.00
27) Perylene-d12	25.55	264	451268	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.73	112	184444	5.68	ng	0.00
4) Phenol-d6	8.85	99	211290	5.32	ng	0.00
8) Nitrobenzene-d5	10.84	82	142737	5.60	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	18555	6.40	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	171963	4.57	ng	0.00
22) Terphenyl-d14	22.48	244	219573	4.99	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.55	42	113321	6.57	ng	# 85
5) Phenol	8.87	94	231796	5.48	ng	99
6) bis(2-Chloroethyl)ether	9.06	93	170380	5.41	ng	# 100
9) Nitrobenzene	10.89	77	164018	5.70	ng	99
10) 2,4-Dimethylphenol	11.82	122	112545	5.19	ng	98
11) 2,4-Dichlorophenol	12.21	162	79093	4.79	ng	98
12) Hexachlorobutadiene	12.89	225	52059	4.46	ng	99
16) 2,4-Dinitrophenol	16.89	184	6788	8.03	ng	91
18) Hexachlorobenzene	19.23	284	56340	4.96	ng	94
19) Pentachlorophenol	19.65	266	17030	7.80	ng	98
21) Benzidine	22.14	184	161541	5.01	ng	99
23) Benzo(a)anthracene	23.83	228	1585696	4.39	ng	97
24) 3,3'-Dichlorobenzidine	23.81	252	155264	5.39	ng	98
25) Chrysene	23.87	228	1985069	4.45	ng	99
26) Indeno(1,2,3-cd)pyrene	27.07	276	569746	5.53	ng	# 100
28) Benzo(b)fluoranthene	25.10	252	311357	5.45	ng	99
29) Benzo(k)fluoranthene	25.13	252	693900	5.36	ng	99
30) Benzo(a)pyrene	25.48	252	403000	5.81	ng	99
31) Dibenzo(a,h)anthracene	27.09	278	439366	6.20	ng	98

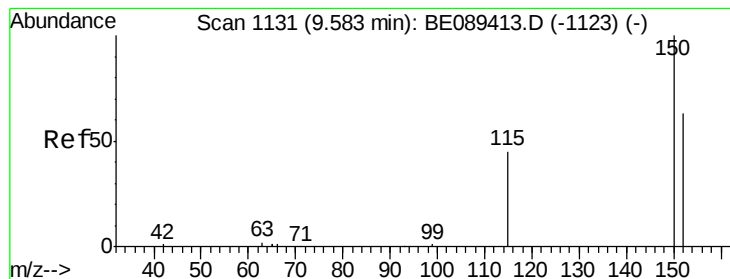
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089415.D

Acq: 29 Jan 2015 14:40

Instrument :

BNA_E

LabSampleId :

SSTDICC005

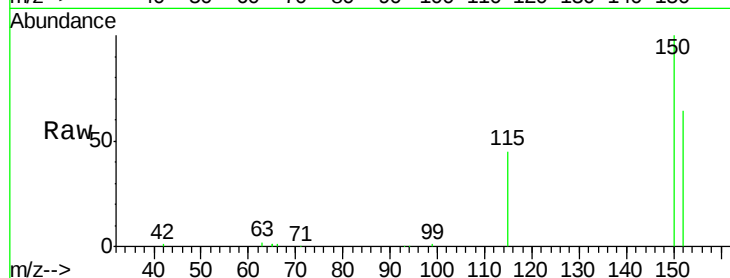
Tgt Ion:152 Resp: 101241

Ion Ratio Lower Upper

152 100

150 156.9 126.1 189.1

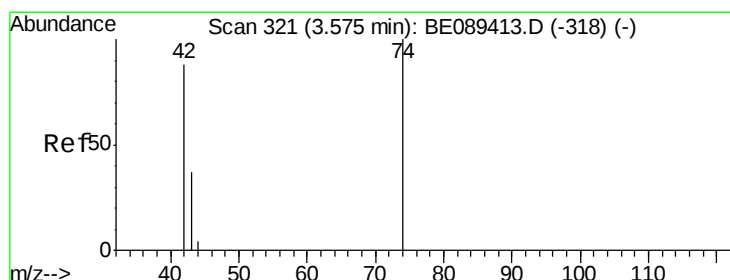
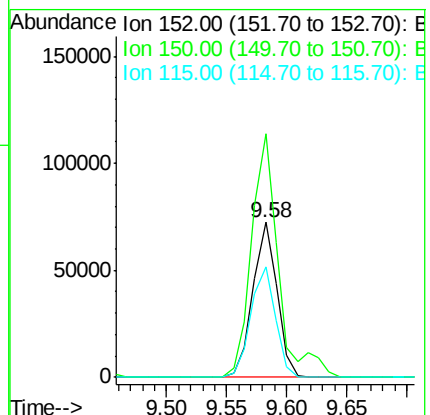
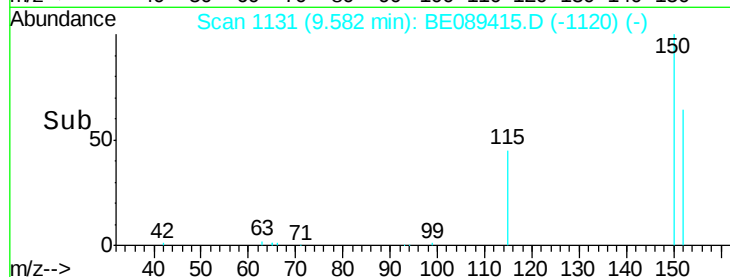
115 70.8 57.1 85.7



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: 6.57 ng

RT: 3.55 min Scan# 318

Delta R.T. -0.02 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

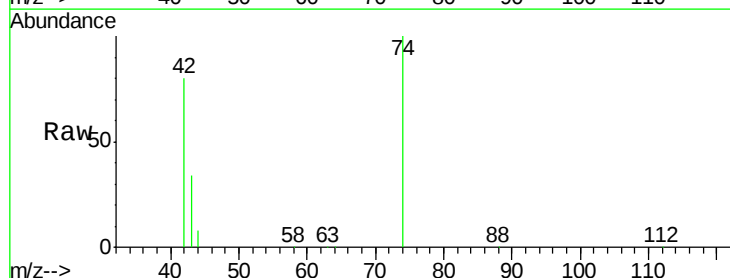
Tgt Ion: 42 Resp: 113321

Ion Ratio Lower Upper

42 100

74 125.5 90.2 135.2

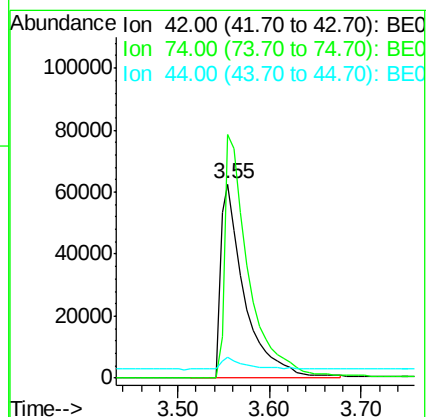
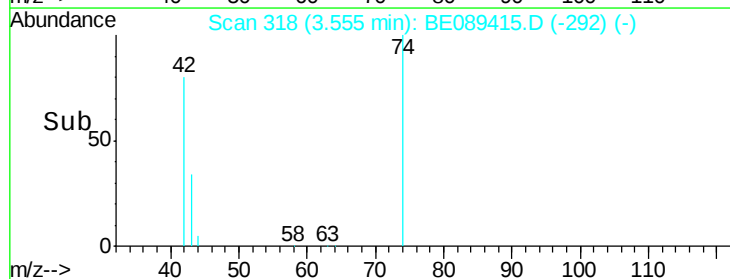
44 10.6 19.4 29.2#

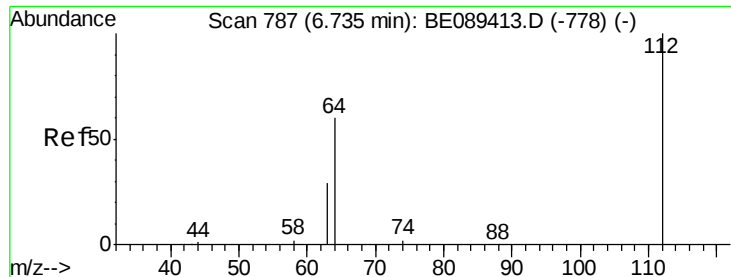


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

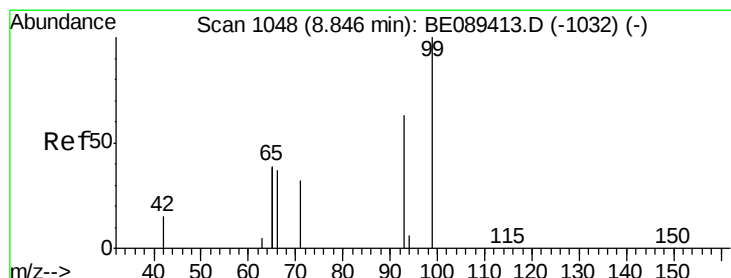
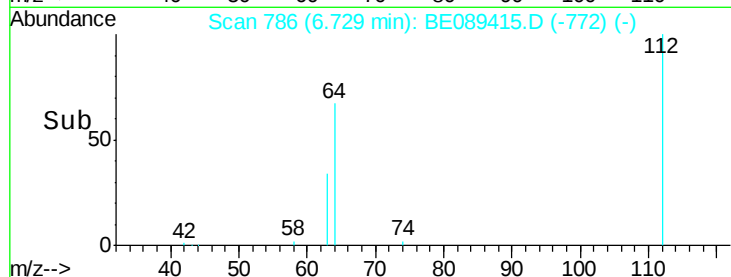
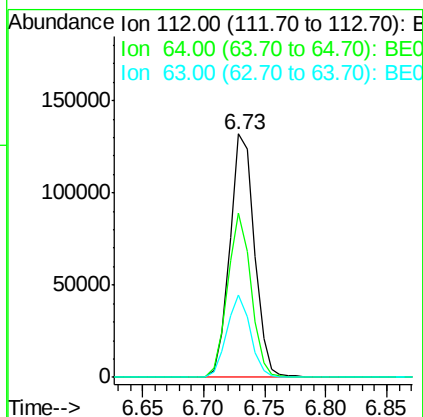
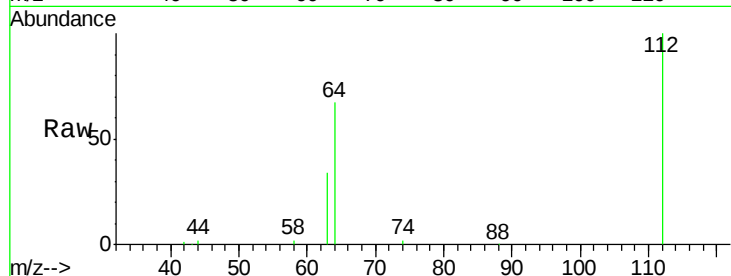




#3
 2-Fluorophenol
 Concen: 5.68 ng
 RT: 6.73 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BE089415.D
 Acq: 29 Jan 2015 14:40

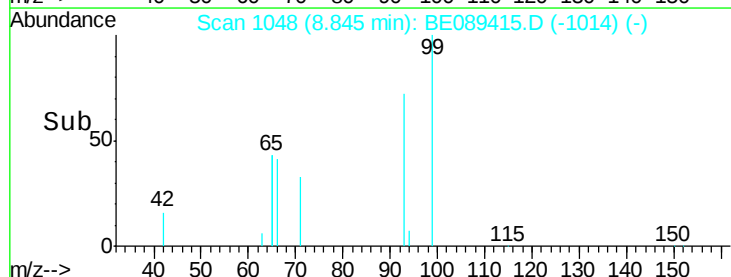
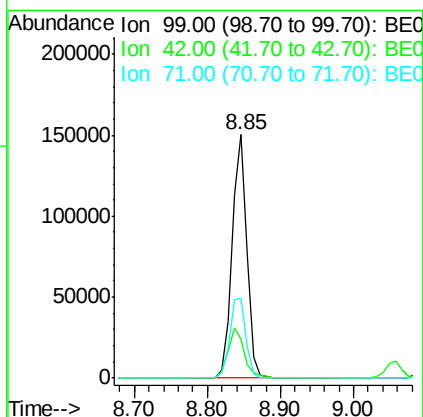
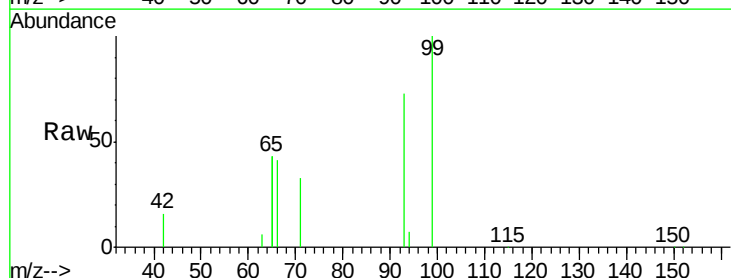
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

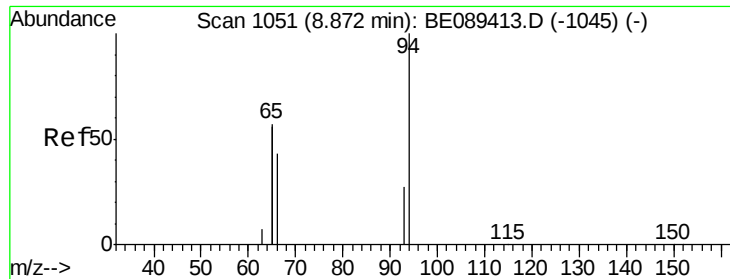
Tgt Ion: 112 Resp: 184444
 Ion Ratio Lower Upper
 112 100
 64 67.4 48.2 72.4
 63 33.8 23.5 35.3



#4
 Phenol-d6
 Concen: 5.32 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BE089415.D
 Acq: 29 Jan 2015 14:40

Tgt Ion: 99 Resp: 211290
 Ion Ratio Lower Upper
 99 100
 42 15.8 11.9 17.9
 71 32.9 25.8 38.6





#5

Phenol

Concen: 5.48 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

Instrument :

BNA_E

LabSampleId :

SSTDIC005

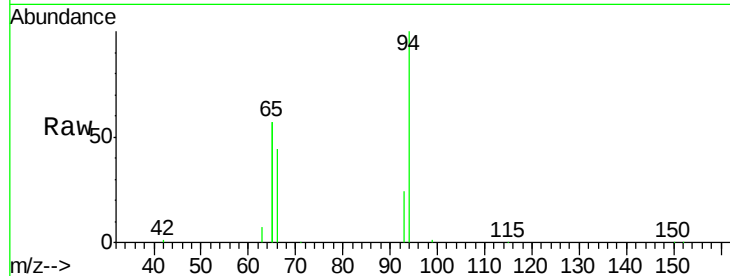
Tgt Ion: 94 Resp: 231796

Ion Ratio Lower Upper

94 100

65 114.2 93.3 133.3

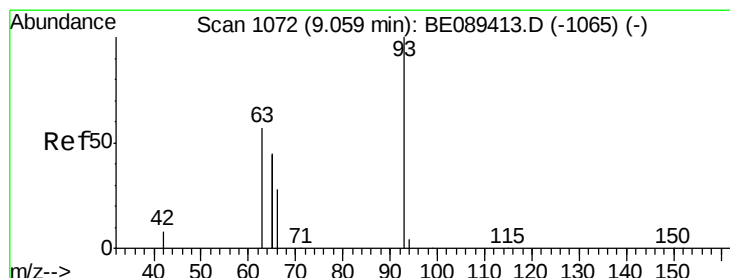
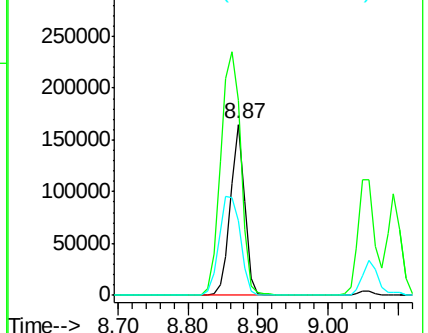
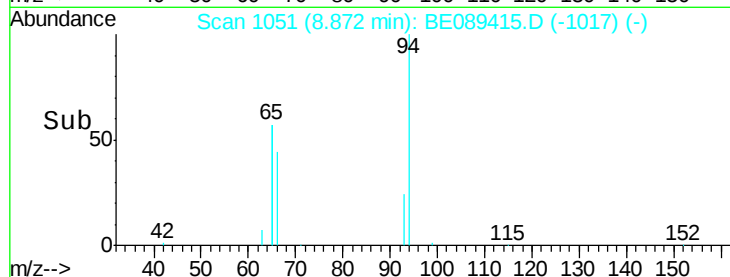
66 43.6 23.6 63.6



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: 5.41 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

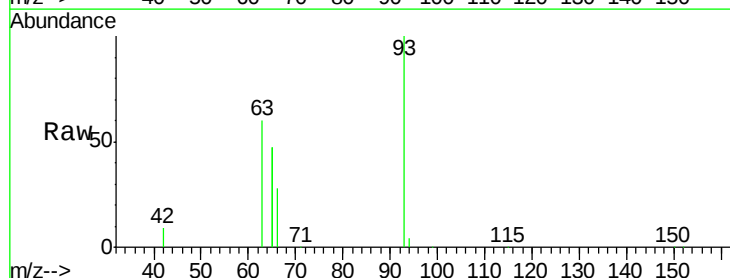
Tgt Ion: 93 Resp: 170380

Ion Ratio Lower Upper

93 100

63 73.6 58.6 88.0

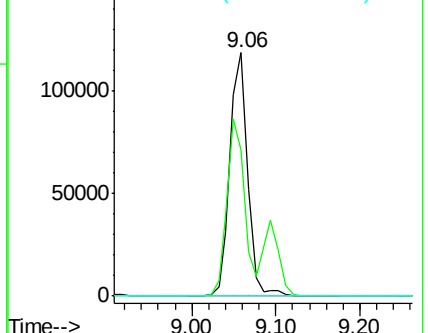
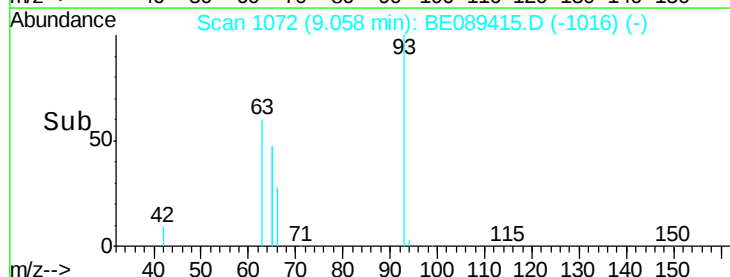
95 0.0 0.0 0.0

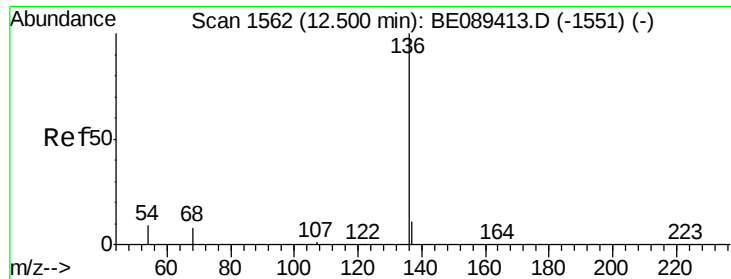


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE089415.D

Acq: 29 Jan 2015 14:40

Instrument :

BNA_E

LabSampleId :

SSTDICC005

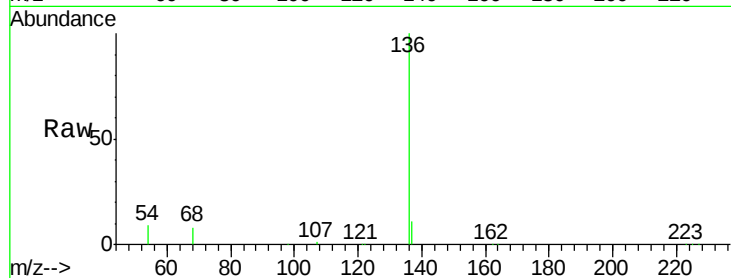
Tgt Ion: 136 Resp: 353948

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

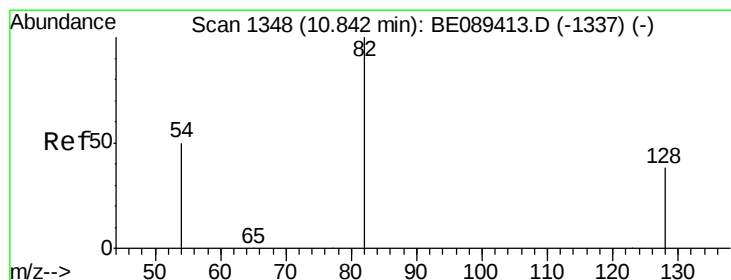
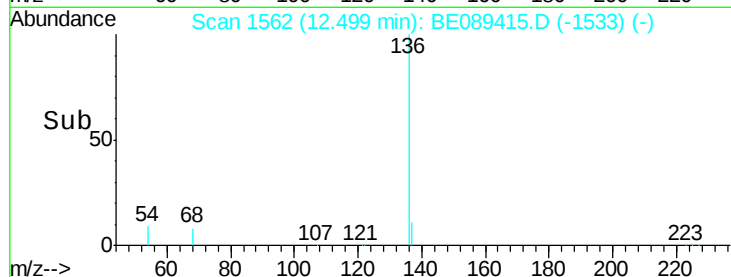
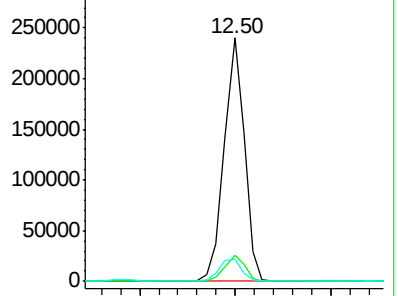
54 9.3 7.5 11.3



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: 5.60 ng

RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

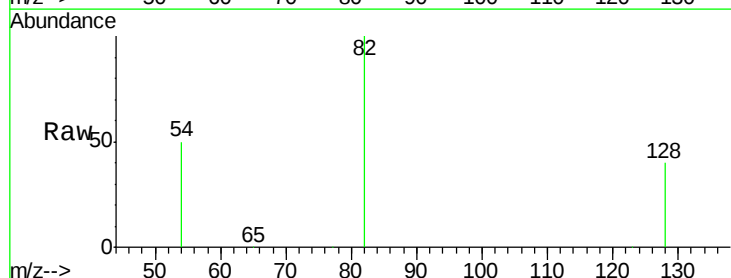
Tgt Ion: 82 Resp: 142737

Ion Ratio Lower Upper

82 100

128 40.0 31.0 46.4

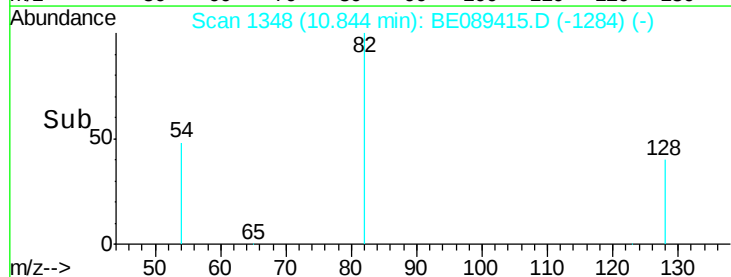
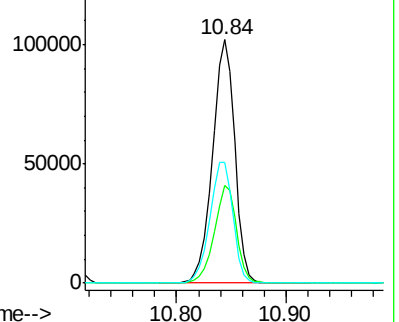
54 49.8 39.8 59.6

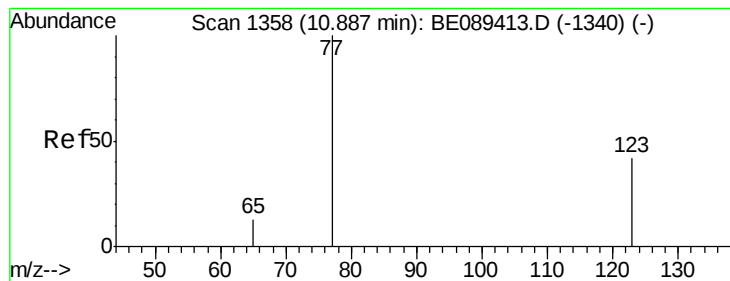


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 5.70 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

Instrument :

BNA_E

LabSampleId :

SSTDIC005

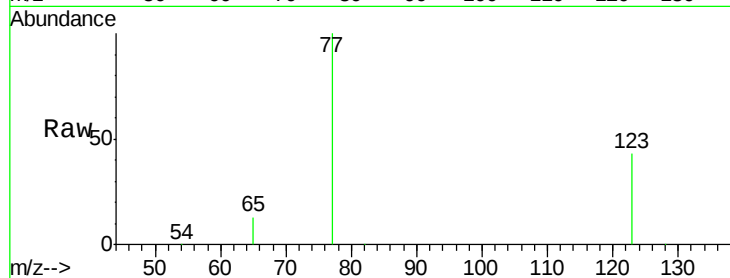
Tgt Ion: 77 Resp: 164018

Ion Ratio Lower Upper

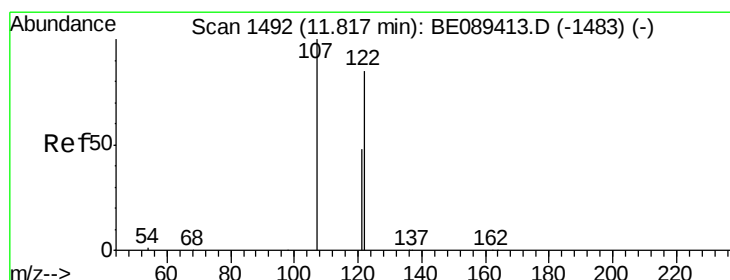
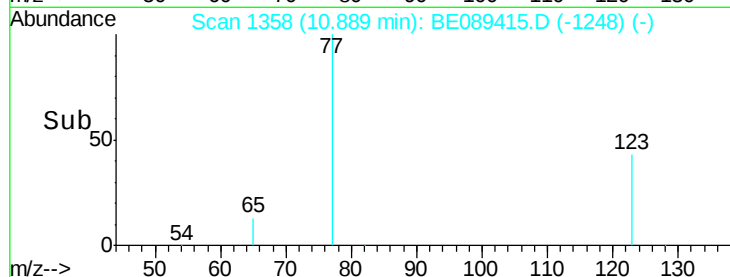
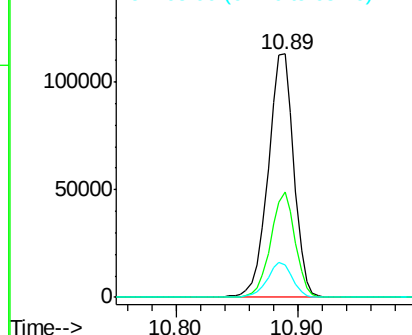
77 100

123 41.4 32.8 49.2

65 14.0 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: 5.19 ng

RT: 11.82 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

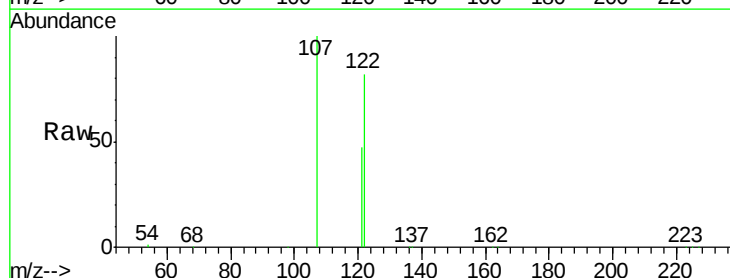
Tgt Ion: 122 Resp: 112545

Ion Ratio Lower Upper

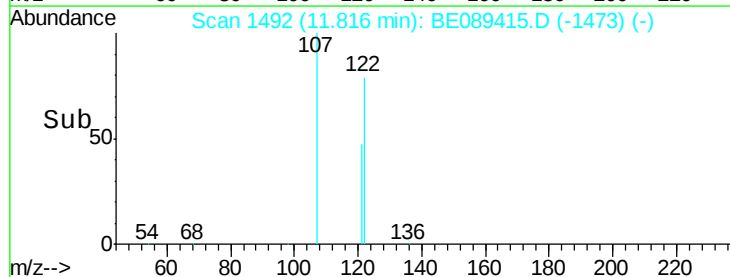
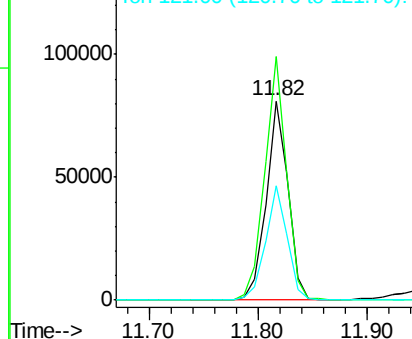
122 100

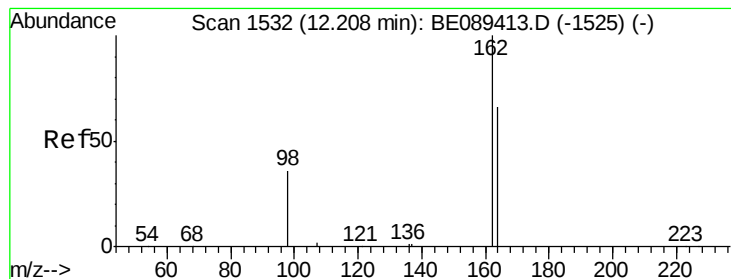
107 122.3 94.6 142.0

121 57.2 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: 4.79 ng

RT: 12.21 min Scan# 1532

Delta R.T. -0.00 min

Lab File: BE089415.D

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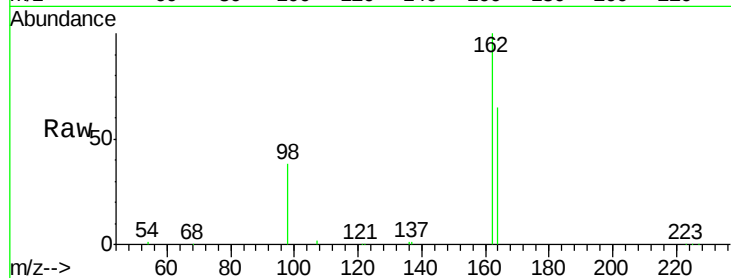
Tgt Ion:162 Resp: 79093

Ion Ratio Lower Upper

162 100

164 65.1 46.1 86.1

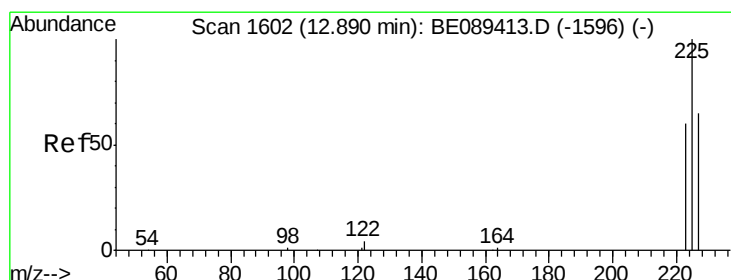
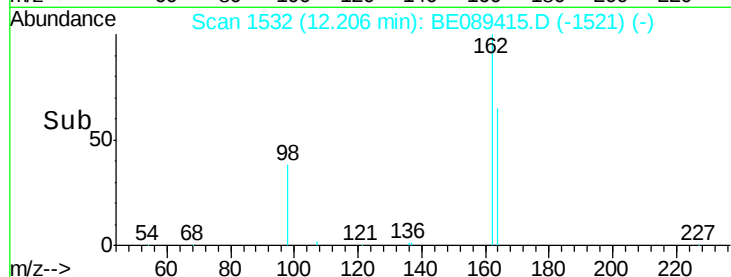
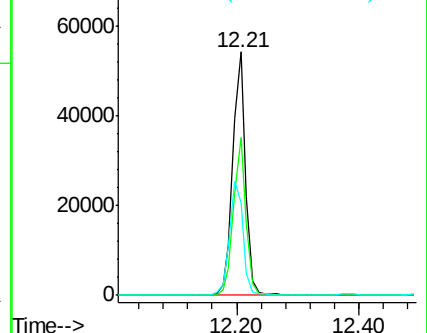
98 38.1 16.2 56.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BE0



#12

Hexachlorobutadiene

Concen: 4.46 ng

RT: 12.89 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

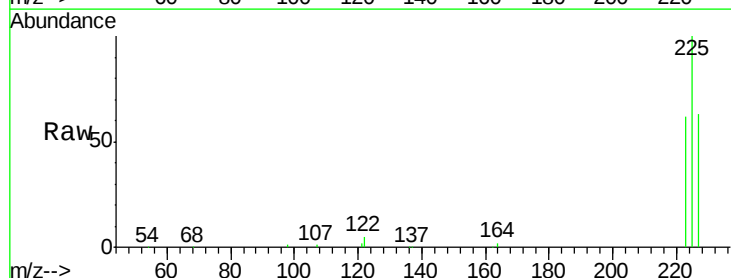
Tgt Ion:225 Resp: 52059

Ion Ratio Lower Upper

225 100

223 63.7 50.4 75.6

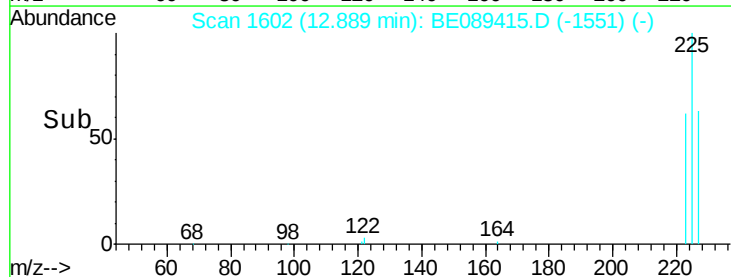
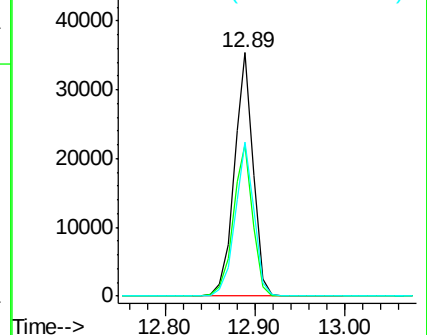
227 62.9 50.2 75.2

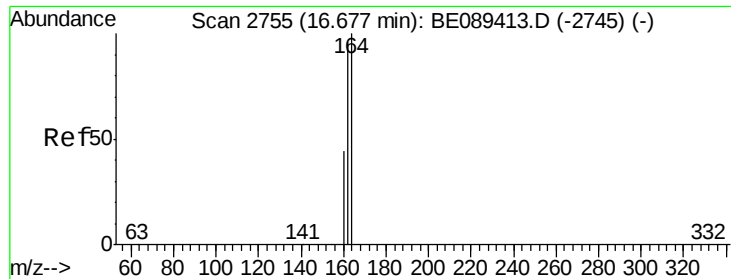


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. -0.00 min

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SSTDIC005

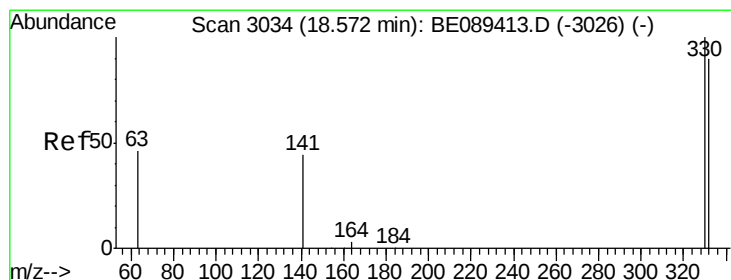
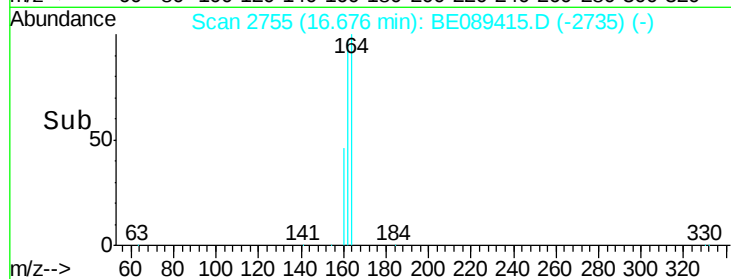
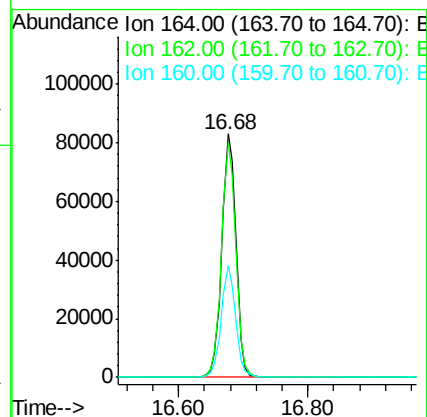
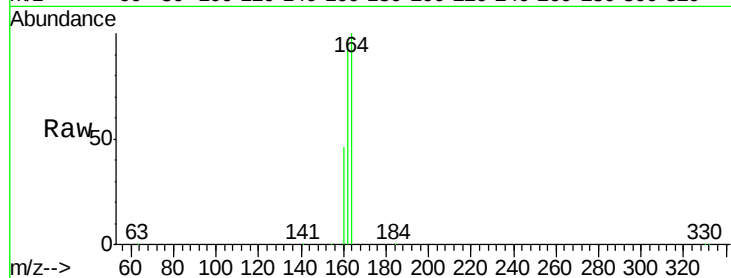
Tgt Ion:164 Resp: 124753

Ion Ratio Lower Upper

164 100

162 96.6 77.0 115.6

160 46.0 35.0 52.4



#14

2,4,6-Tribromophenol

Concen: 6.40 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.01 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

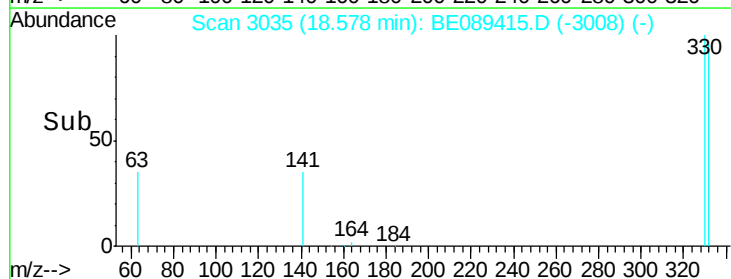
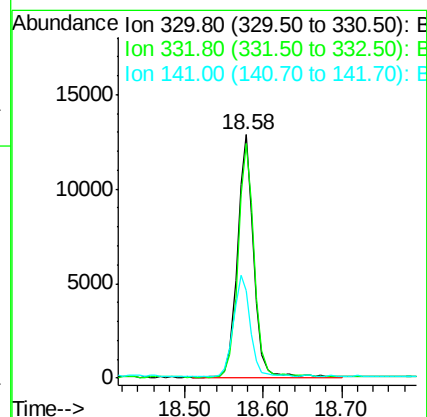
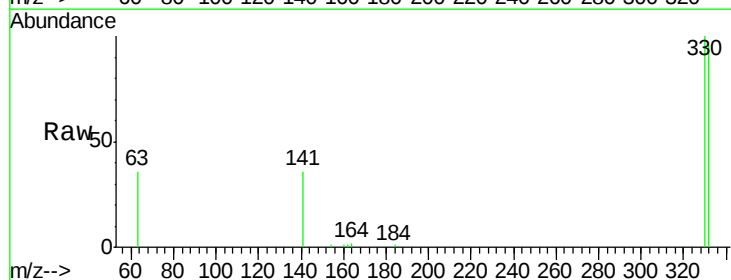
Tgt Ion:330 Resp: 18555

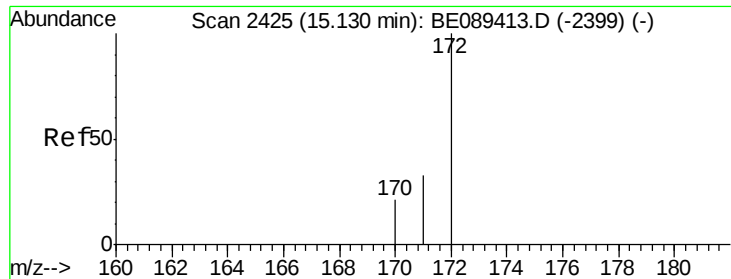
Ion Ratio Lower Upper

330 100

332 97.2 76.0 114.0

141 42.8 35.6 53.4

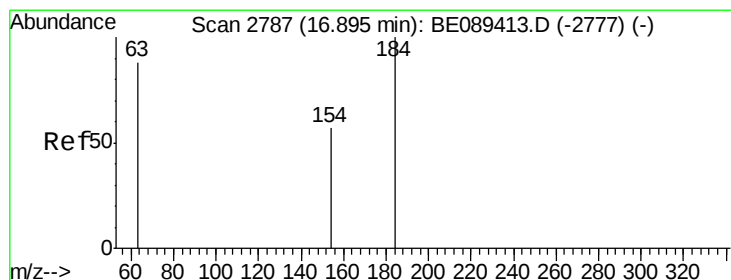
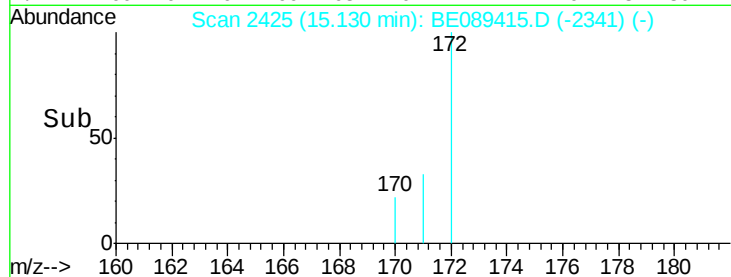
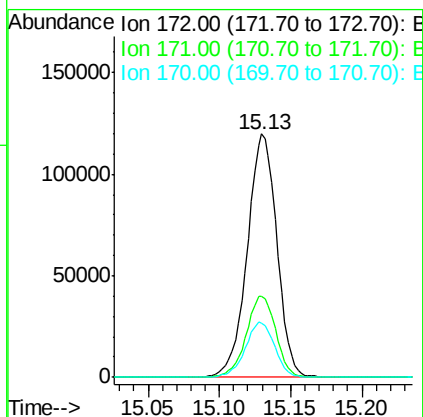
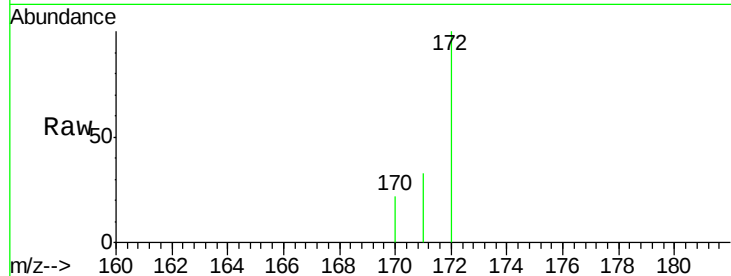




#15
2-Fluorobiphenyl
Concen: 4.57 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089415.D
Acq: 29 Jan 2015 14:40

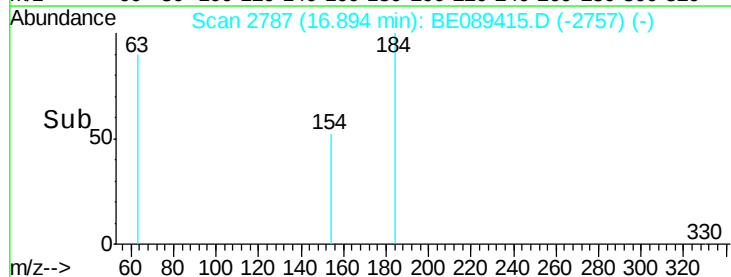
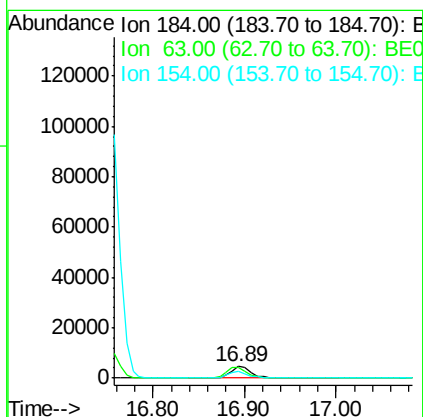
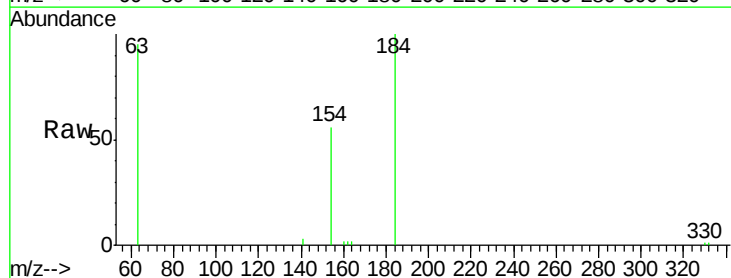
Instrument :
BNA_E
LabSampleId :
SSTDIC005

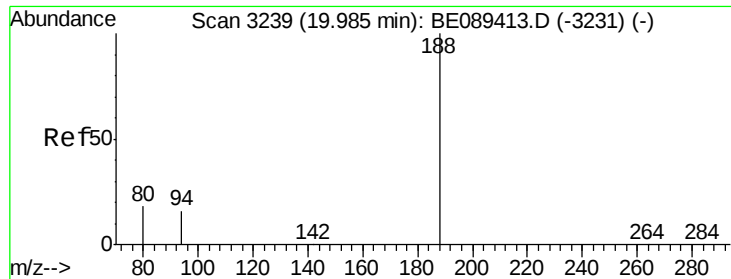
Tgt Ion:172 Resp: 171963
Ion Ratio Lower Upper
172 100
171 33.4 26.6 39.8
170 22.4 17.1 25.7



#16
2,4-Dinitrophenol
Concen: 8.03 ng
RT: 16.89 min Scan# 2787
Delta R.T. -0.00 min
Lab File: BE089415.D
Acq: 29 Jan 2015 14:40

Tgt Ion:184 Resp: 6788
Ion Ratio Lower Upper
184 100
63 94.8 79.0 118.4
154 56.0 55.8 83.6

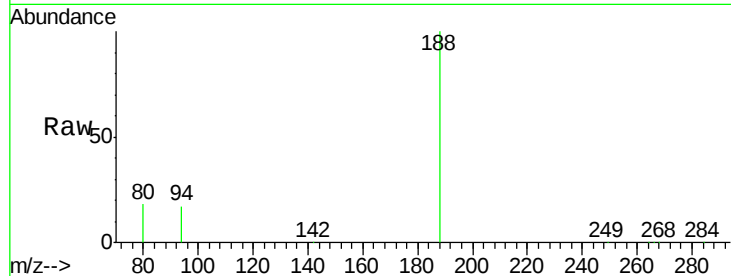




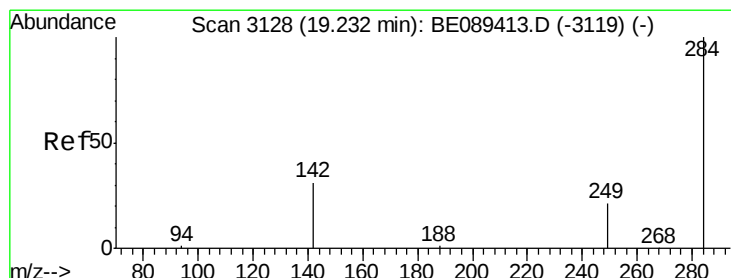
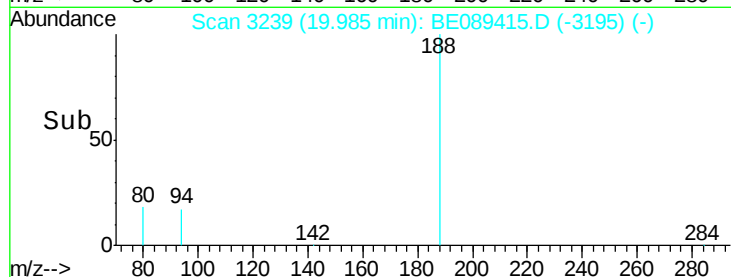
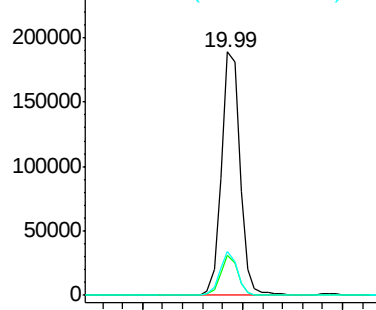
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BE089415.D
Acq: 29 Jan 2015 14:40

Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion:188 Resp: 244053
Ion Ratio Lower Upper
188 100
94 16.6 13.0 19.6
80 18.0 14.2 21.4

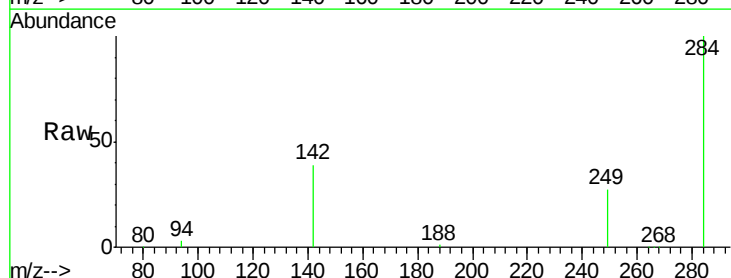


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

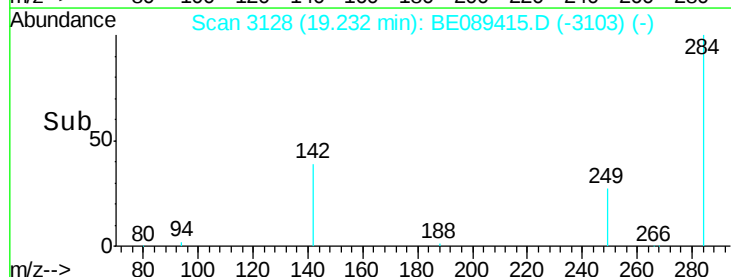
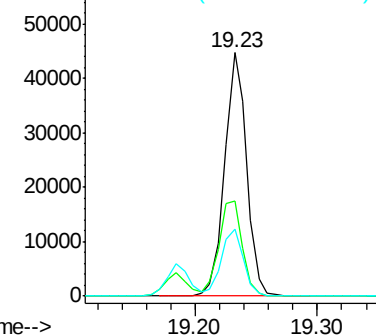


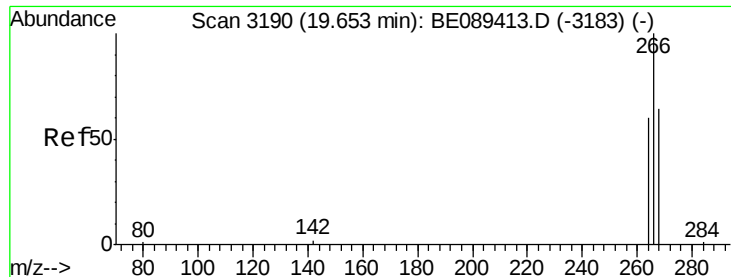
#18
Hexachlorobenzene
Concen: 4.96 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089415.D
Acq: 29 Jan 2015 14:40

Tgt Ion:284 Resp: 56340
Ion Ratio Lower Upper
284 100
142 39.2 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: 7.80 ng

RT: 19.65 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

Instrument :

BNA_E

LabSampleId :

SSTDICC005

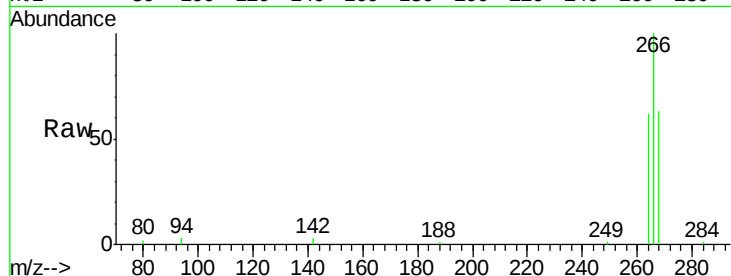
Tgt Ion:266 Resp: 17030

Ion Ratio Lower Upper

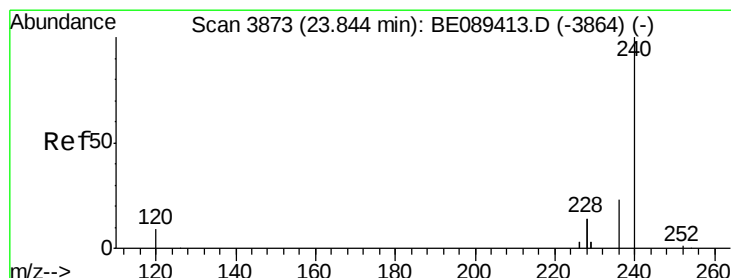
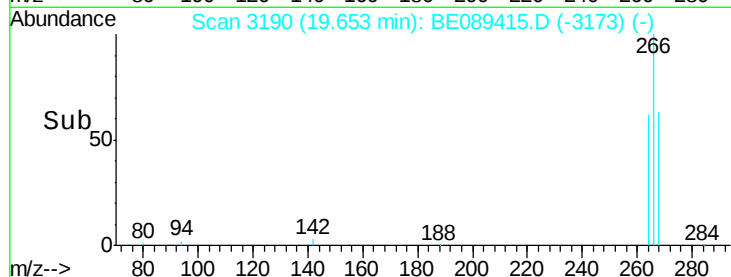
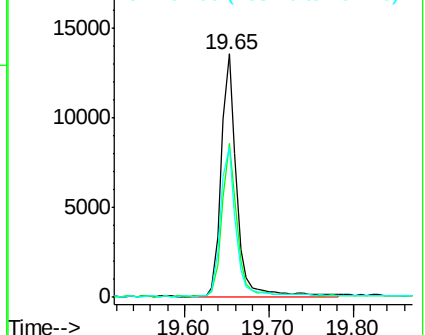
266 100

268 63.0 51.9 77.9

264 61.8 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# 3872

Delta R.T. -0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

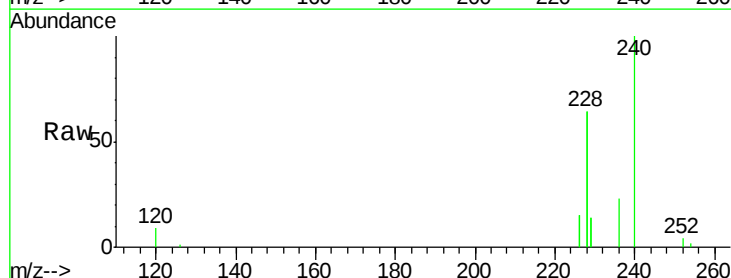
Tgt Ion:240 Resp: 398056

Ion Ratio Lower Upper

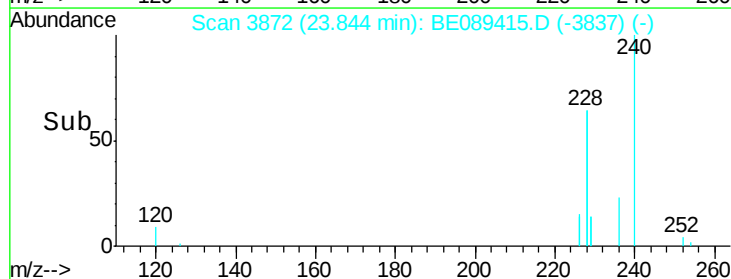
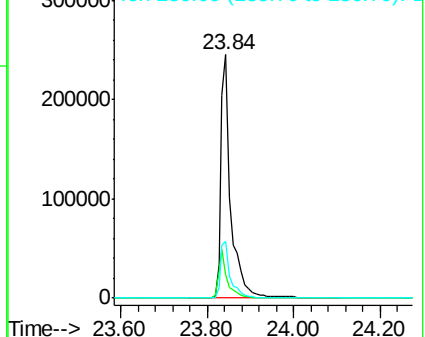
240 100

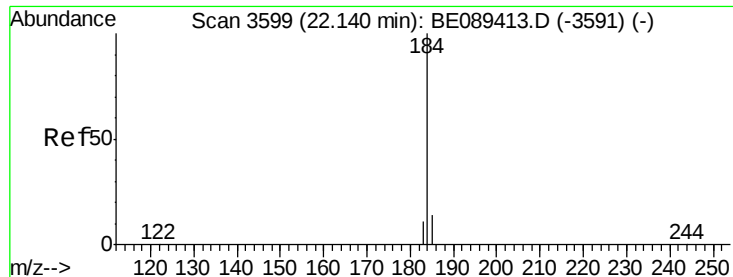
120 9.4 6.9 10.3

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: 5.01 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

Instrument :

BNA_E

LabSampleId :

SSTDIC005

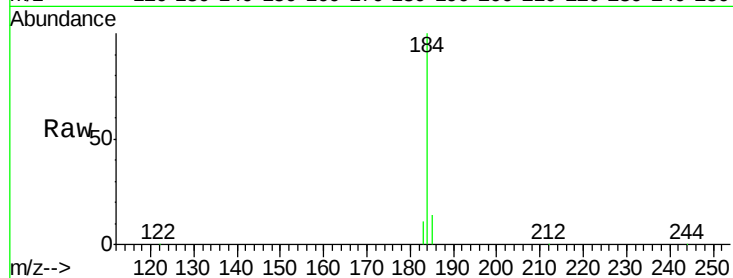
Tgt Ion:184 Resp: 161541

Ion Ratio Lower Upper

184 100

185 14.4 11.0 16.6

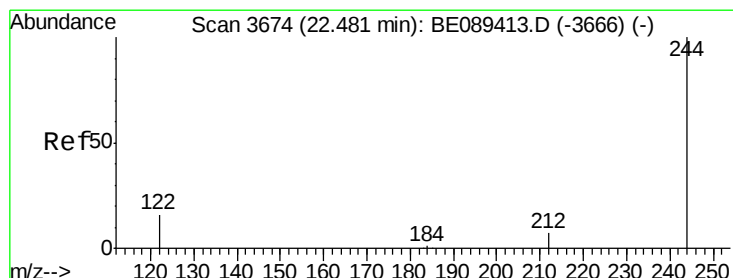
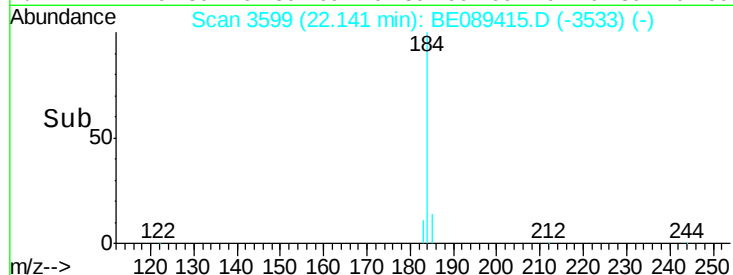
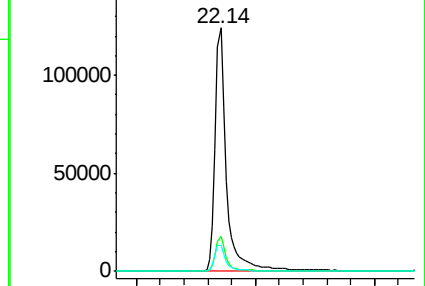
183 10.8 8.6 13.0



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: 4.99 ng

RT: 22.48 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

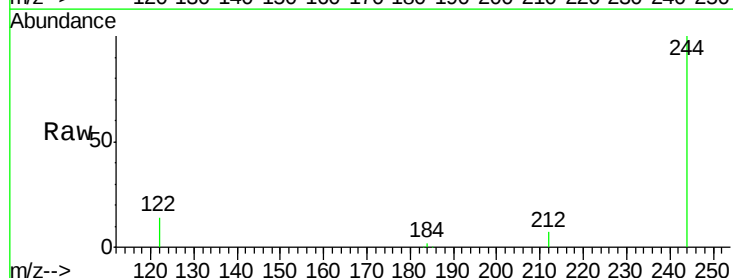
Tgt Ion:244 Resp: 219573

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

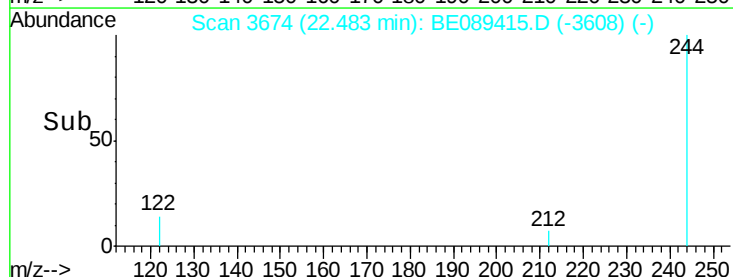
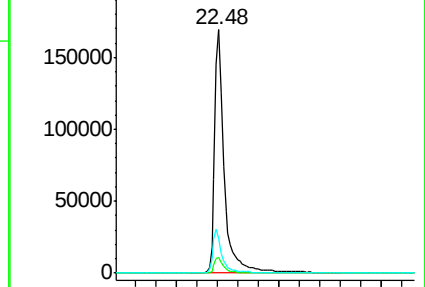
122 14.3 13.2 19.8

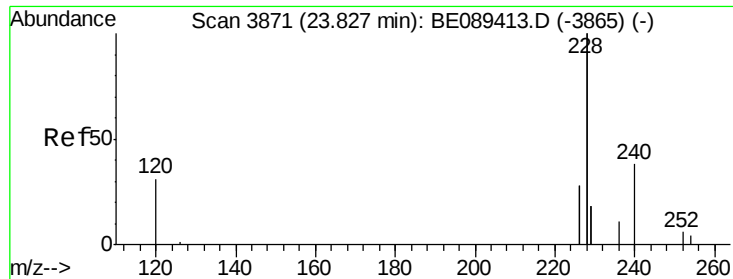


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

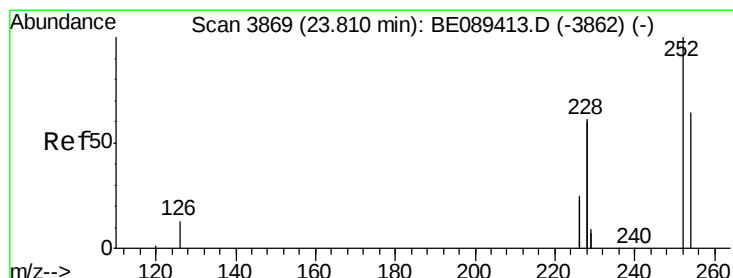
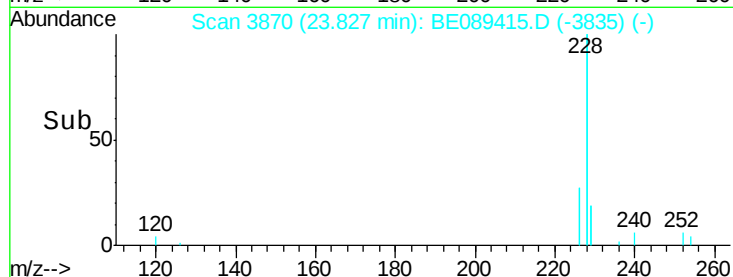
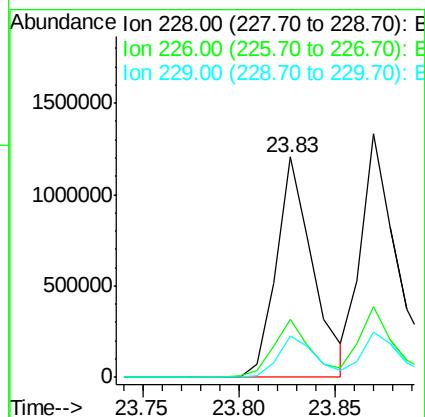
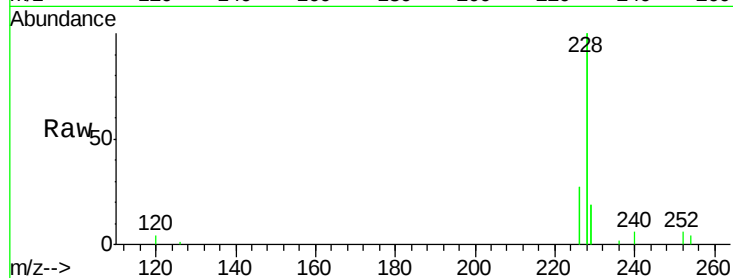




#23
Benzo(a)anthracene
Concen: 4.39 ng
RT: 23.83 min Scan# 3870
Delta R.T. -0.00 min
Lab File: BE089415.D
Acq: 29 Jan 2015 14:40

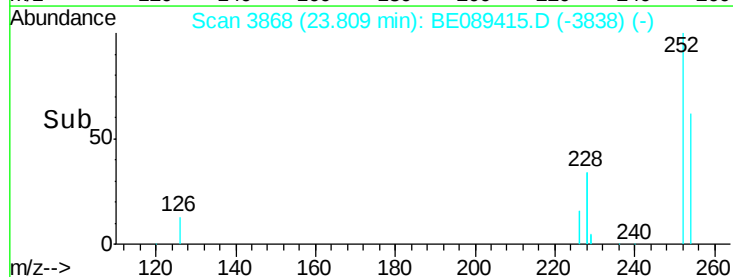
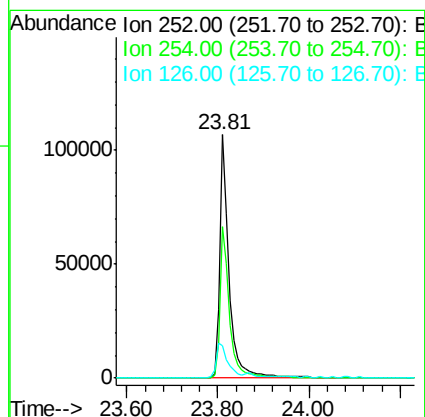
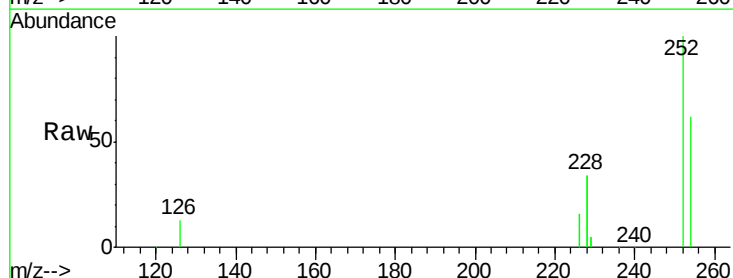
Instrument :
BNA_E
LabSampleId :
SSTDIC005

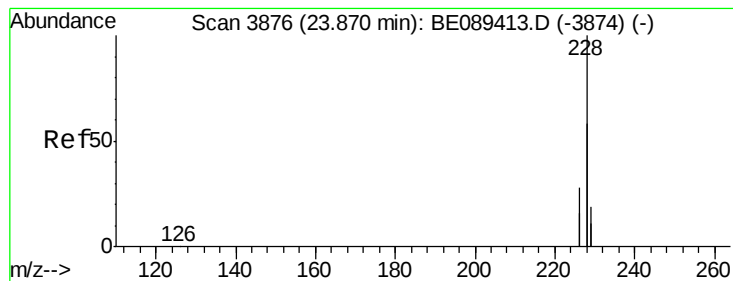
Tgt Ion: 228 Resp: 1585696
Ion Ratio Lower Upper
228 100
226 26.6 22.6 33.8
229 18.9 14.5 21.7



#24
3,3'-Dichlorobenzidine
Concen: 5.39 ng
RT: 23.81 min Scan# 3868
Delta R.T. -0.00 min
Lab File: BE089415.D
Acq: 29 Jan 2015 14:40

Tgt Ion: 252 Resp: 155264
Ion Ratio Lower Upper
252 100
254 62.2 51.1 76.7
126 13.5 11.5 17.3





#25

Chrysene

Concen: 4.45 ng

RT: 23.87 min Scan# 3875

Delta R.T. -0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

Instrument :

BNA_E

LabSampleId :

SSTDIC005

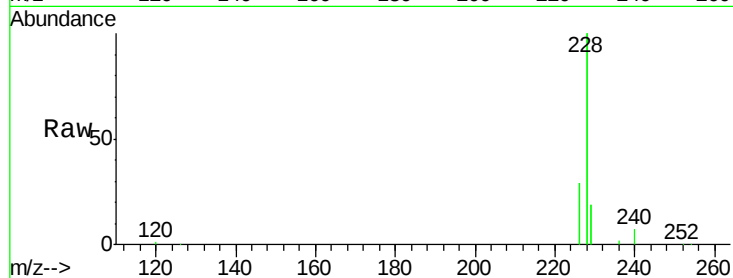
Tgt Ion:228 Resp: 1985069

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

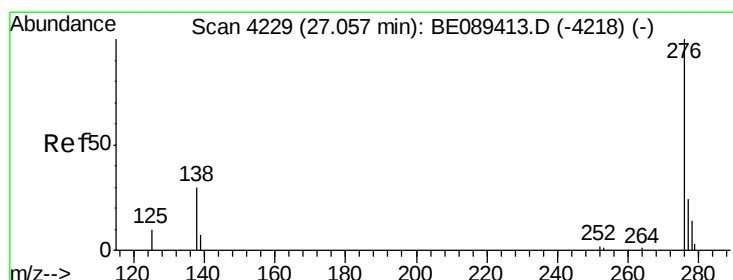
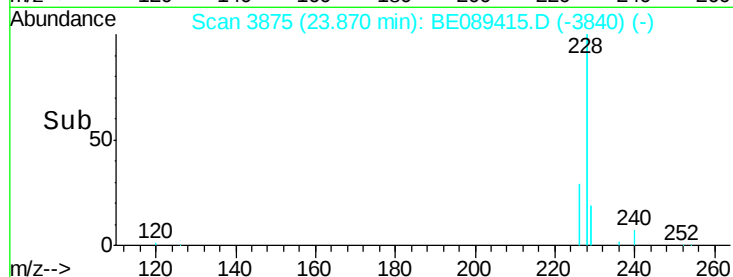
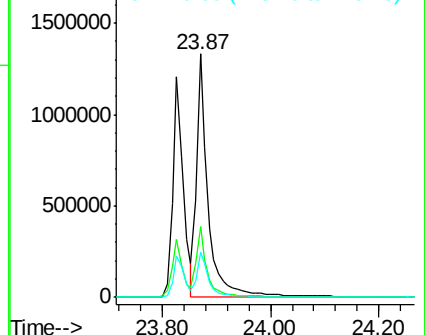
229 18.7 15.5 23.3



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: 5.53 ng

RT: 27.07 min Scan# 4229

Delta R.T. 0.01 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

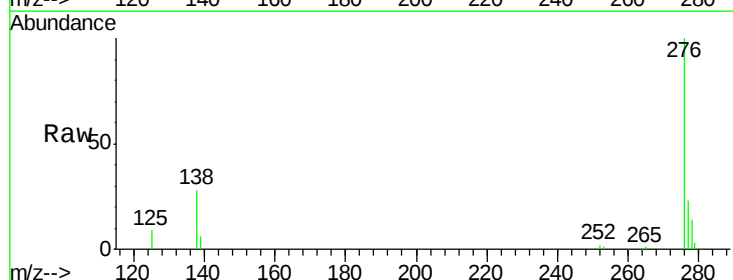
Tgt Ion:276 Resp: 569746

Ion Ratio Lower Upper

276 100

138 32.5 0.0 0.0#

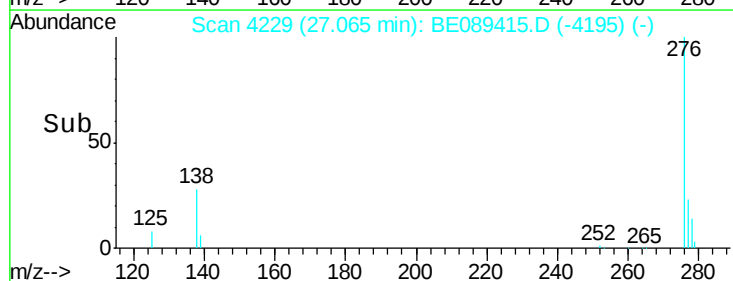
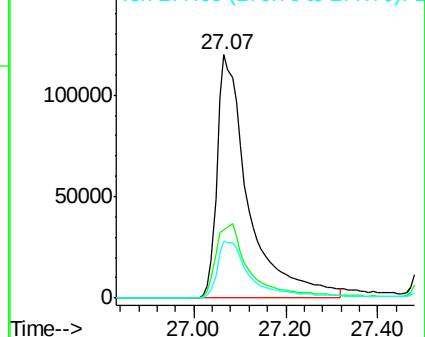
277 24.6 0.0 0.0#

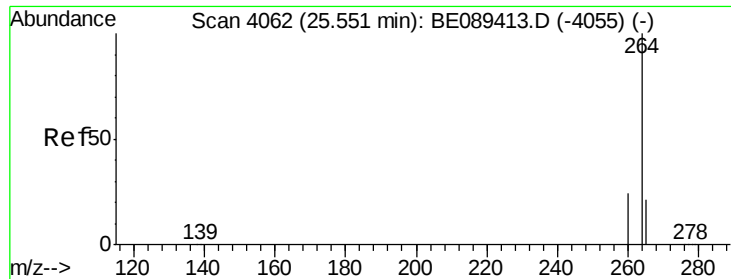


Abundance Ion 276.00 (275.70 to 276.70): E

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: BE089415.D

Acq: 29 Jan 2015 14:40

Instrument :

BNA_E

LabSampleId :

SSTDIC005

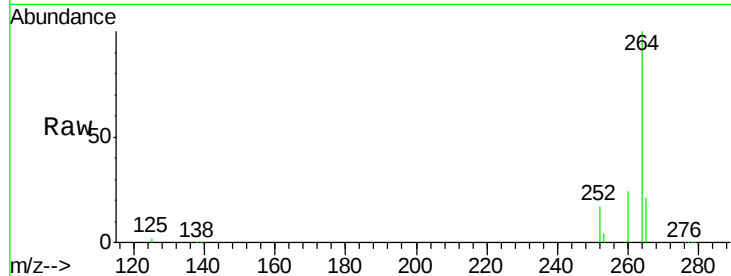
Tgt Ion:264 Resp: 451268

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.0

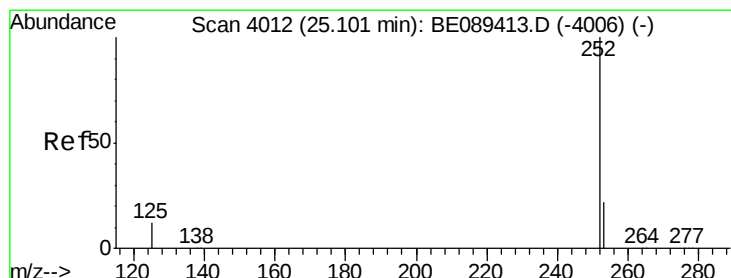
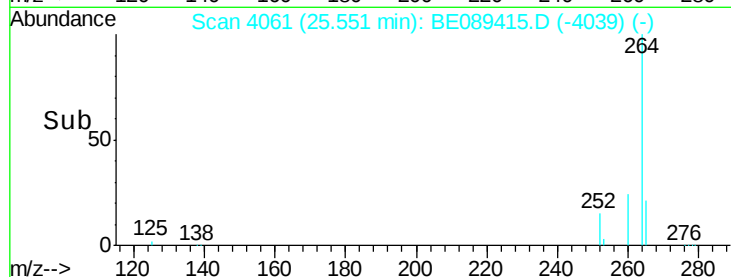
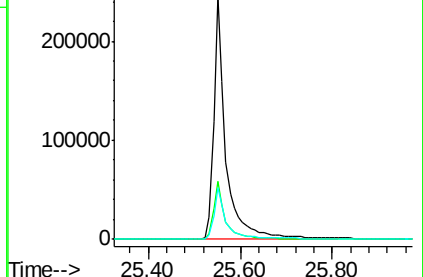
265 21.2 17.1 25.7



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: 5.45 ng

RT: 25.10 min Scan# 4011

Delta R.T. -0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

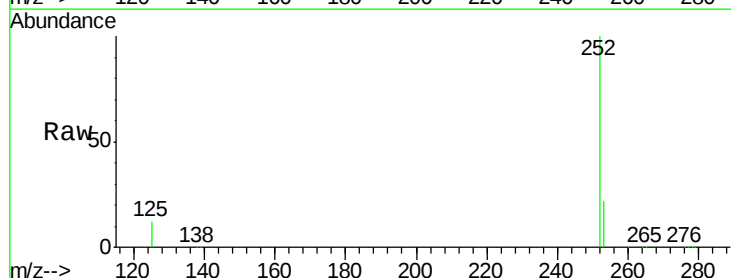
Tgt Ion:252 Resp: 311357

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

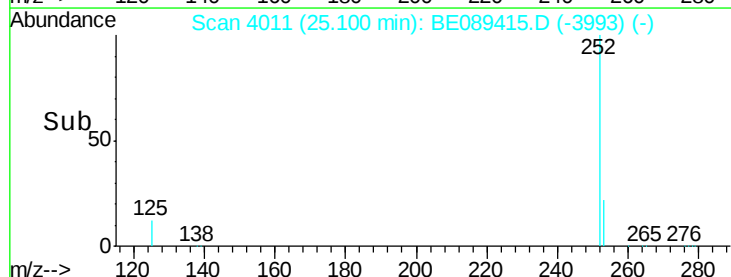
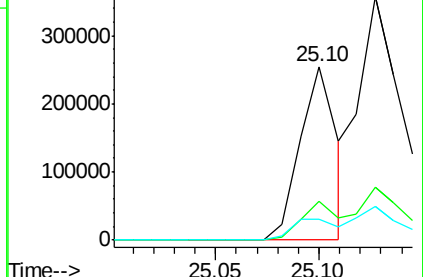
125 12.4 10.5 15.7

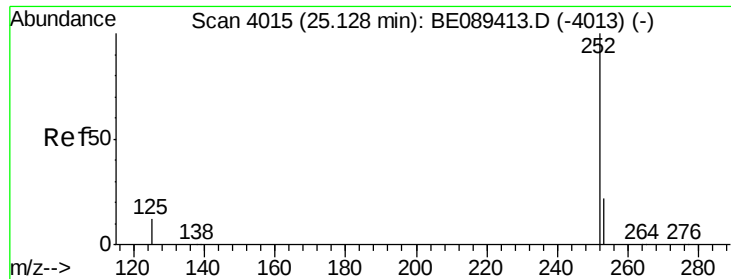


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Benzo(k)fluoranthene

Concen: 5.36 ng

RT: 25.13 min Scan# 4014

Delta R.T. -0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

Instrument :

BNA_E

LabSampleId :

SSTDIC005

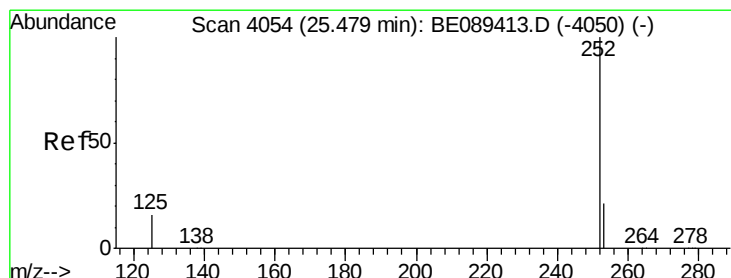
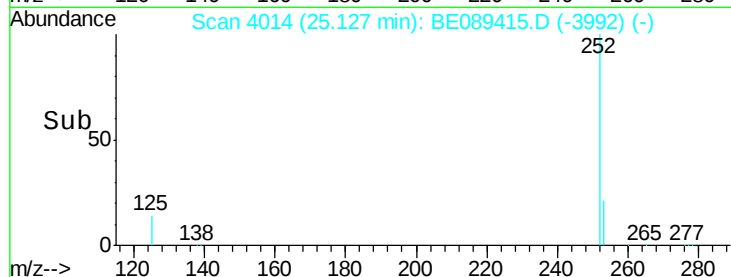
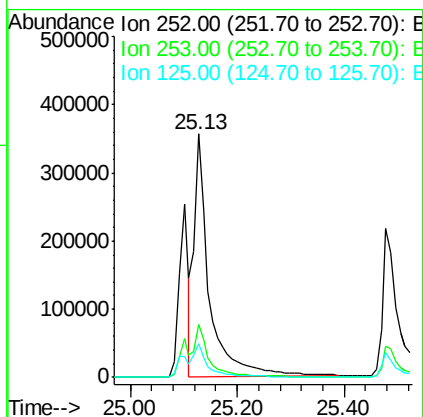
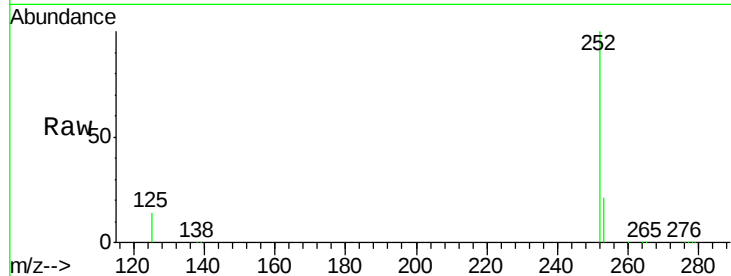
Tgt Ion:252 Resp: 693900

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 14.1 11.0 16.6



#30

Benzo(a)pyrene

Concen: 5.81 ng

RT: 25.48 min Scan# 4053

Delta R.T. -0.00 min

Lab File: BE089415.D

Acq: 29 Jan 2015 14:40

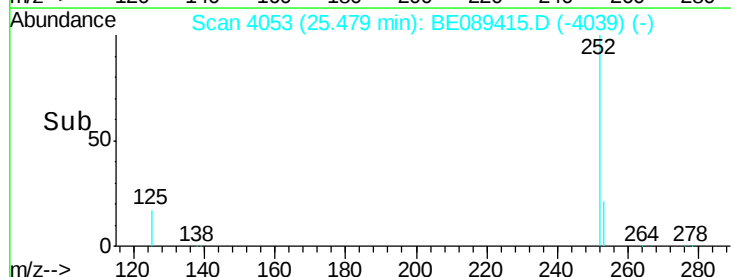
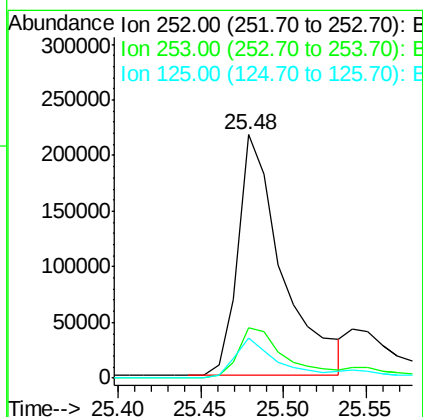
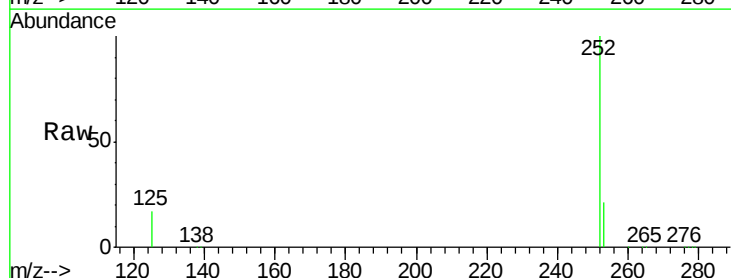
Tgt Ion:252 Resp: 403000

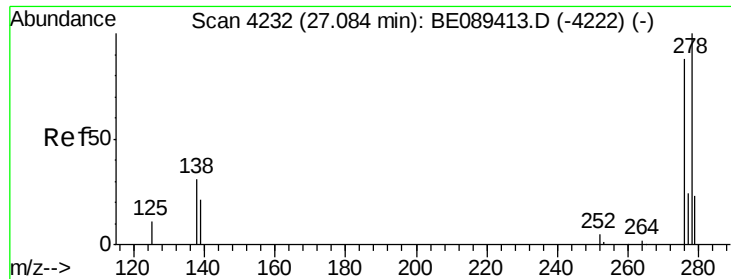
Ion Ratio Lower Upper

252 100

253 20.6 17.3 25.9

125 16.6 13.0 19.6





#31

Dibenzo(a,h)anthracene

Concen: 6.20 ng

RT: 27.09 min Scan# 4232

Delta R.T. 0.01 min

Lab File: BE089415.D

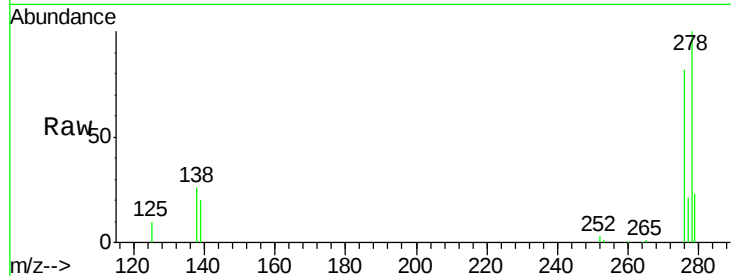
Acq: 29 Jan 2015 14:40

Instrument :

BNA_E

LabSampleId :

SSTDIC005



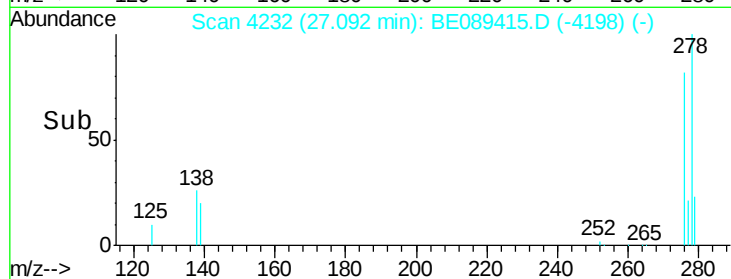
Tgt Ion: 278 Resp: 439366

Ion Ratio Lower Upper

278 100

139 19.9 17.2 25.8

279 23.4 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

