

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089409.D
 Acq On : 29 Jan 2015 10:44
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Quant Time: Jan 30 02:43:18 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	152034	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	588912	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	265549	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	494933	5.00	ng	0.00
20) Chrysene-d12	23.84	240	602297	5.00	ng	0.00
27) Perylene-d12	25.55	264	645922	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.74	112	6961	0.14	ng	0.00
4) Phenol-d6	8.85	99	8411	0.14	ng	0.00
8) Nitrobenzene-d5	10.84	82	5365	0.13	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	670	0.11	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	7683	0.10	ng	0.00
22) Terphenyl-d14	22.48	244	7577	0.11	ng	0.00

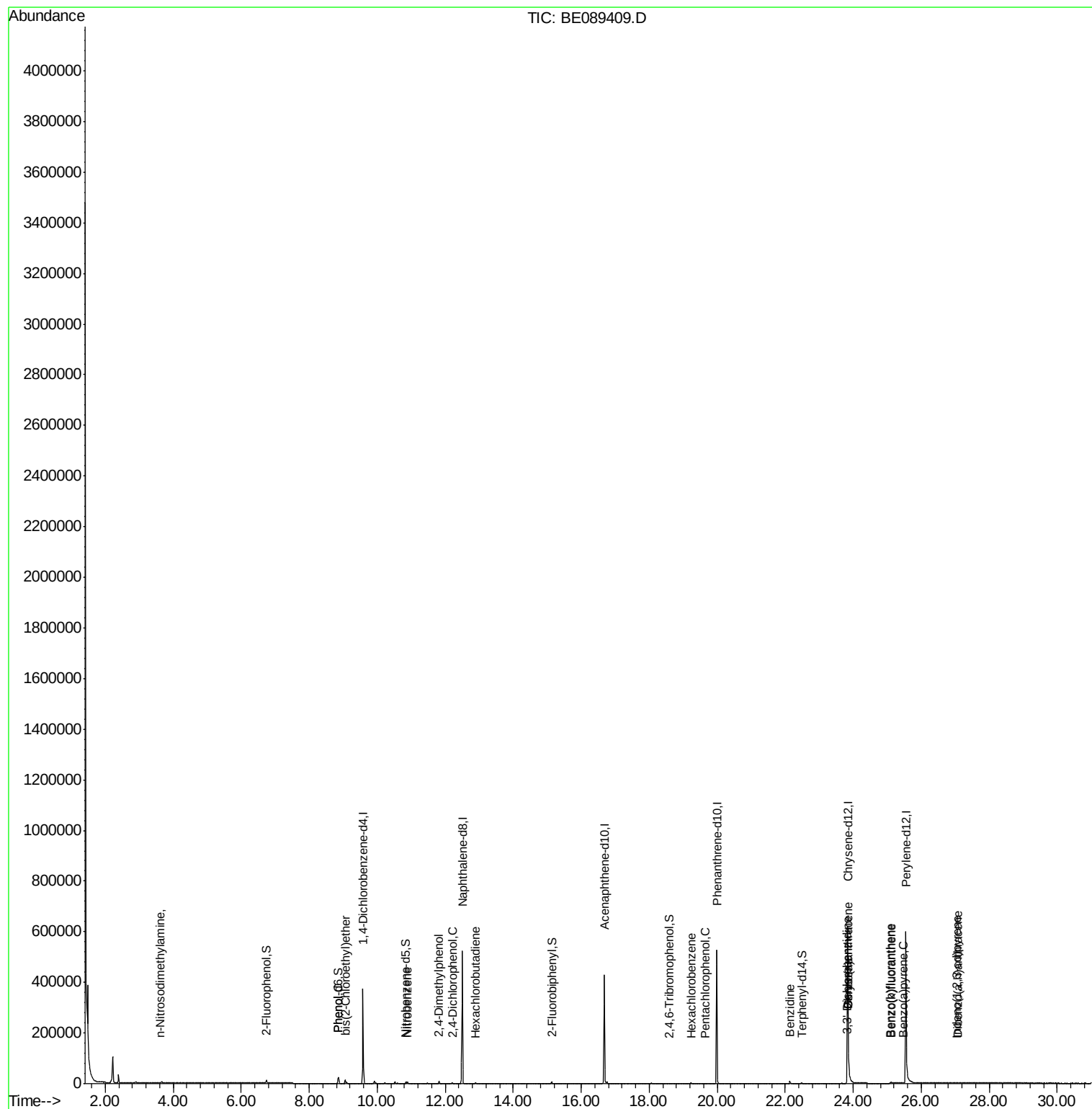
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.63	42	2392	0.09	ng	# 1
5) Phenol	8.87	94	9068	0.14	ng	# 77
6) bis(2-Chloroethyl)ether	9.06	93	6869	0.15	ng	# 96
9) Nitrobenzene	10.89	77	6006	0.13	ng	99
10) 2,4-Dimethylphenol	11.82	122	4495	0.12	ng	95
11) 2,4-Dichlorophenol	12.21	162	3132	0.11	ng	92
12) Hexachlorobutadiene	12.89	225	2119	0.11	ng	97
18) Hexachlorobenzene	19.23	284	2817	0.12	ng	# 90
19) Pentachlorophenol	19.66	266	350	0.08	ng	# 84
21) Benzidine	22.14	184	13665	0.28	ng	99
23) Benzo(a)anthracene	23.87	228	68800	0.13	ng	96
24) 3,3'-Dichlorobenzidine	23.81	252	2962	0.07	ng	# 94
25) Chrysene	23.87	228	70535	0.10	ng	97
26) Indeno(1,2,3-cd)pyrene	27.05	276	5007	0.03	ng	# 100
28) Benzo(b)fluoranthene	25.09	252	3955	0.05	ng	# 84
29) Benzo(k)fluoranthene	25.12	252	7008	0.04	ng	# 88
30) Benzo(a)pyrene	25.48	252	4481	0.05	ng	# 86
31) Dibenzo(a,h)anthracene	27.08	278	3442	0.03	ng	# 90

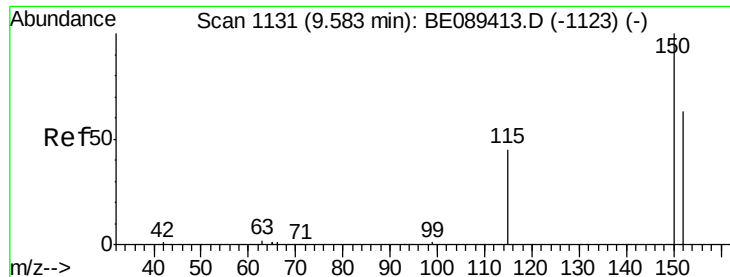
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

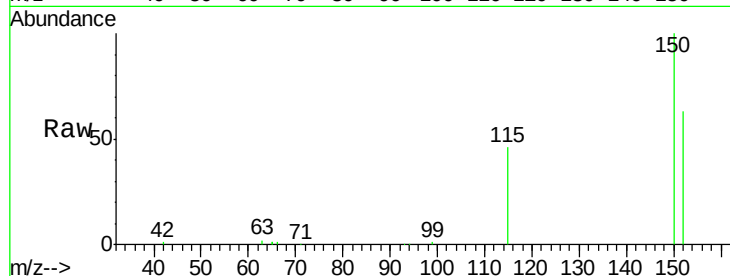
Tgt Ion:152 Resp: 152034

Ion Ratio Lower Upper

152 100

150 159.1 126.1 189.1

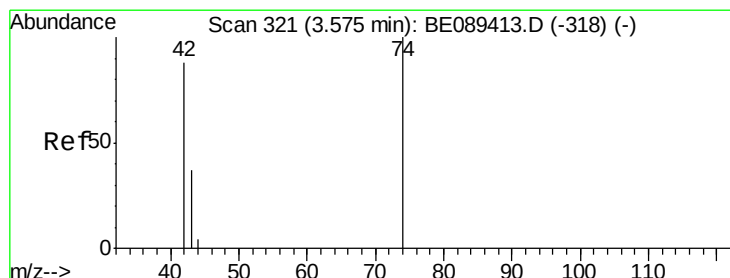
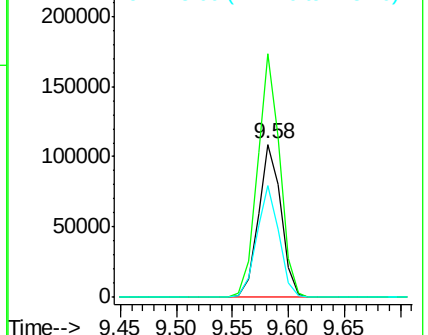
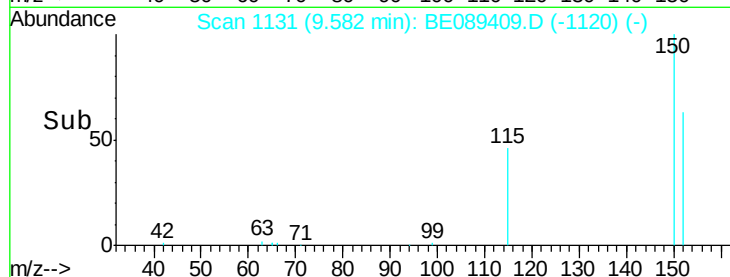
115 72.9 57.1 85.7



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: 0.09 ng

RT: 3.63 min Scan# 329

Delta R.T. 0.06 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

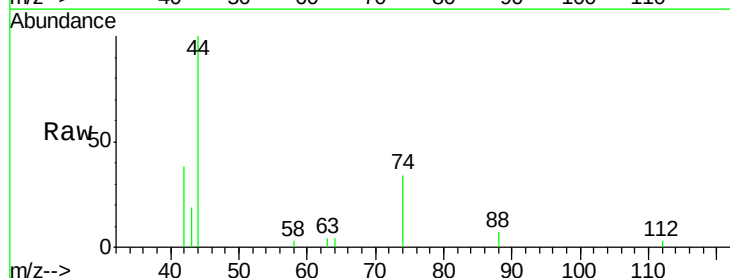
Tgt Ion: 42 Resp: 2392

Ion Ratio Lower Upper

42 100

74 89.9 90.2 135.2#

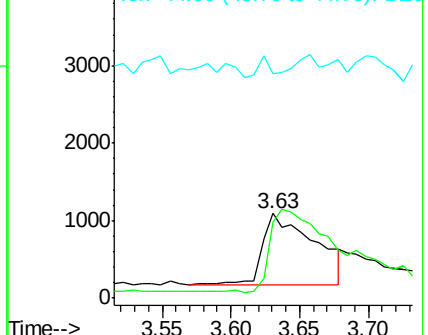
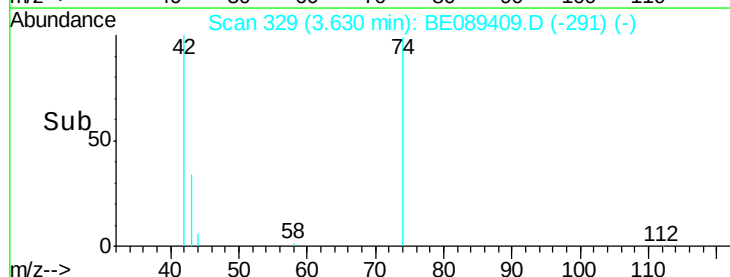
44 264.3 19.4 29.2#

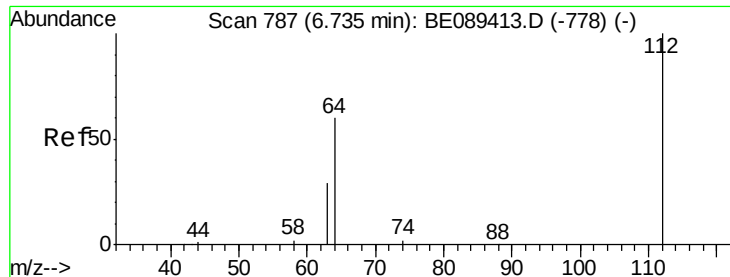


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

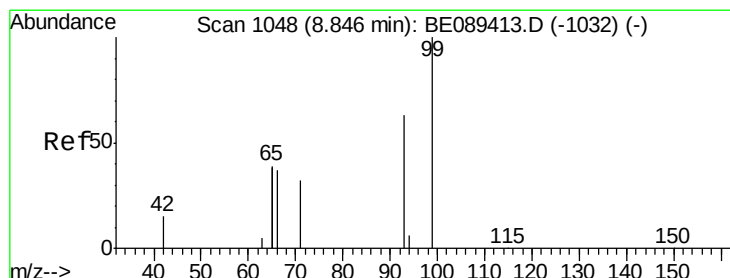
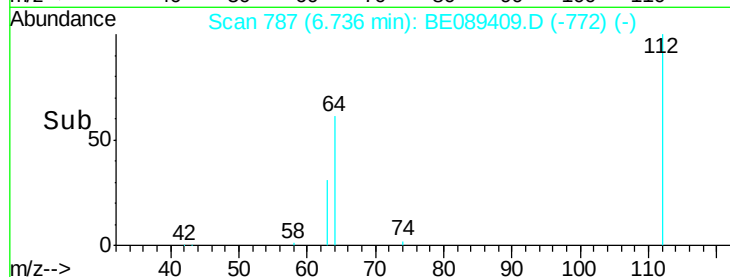
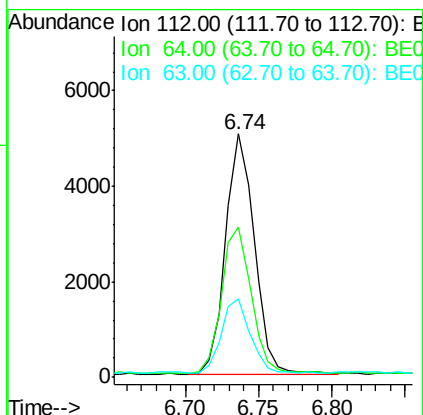
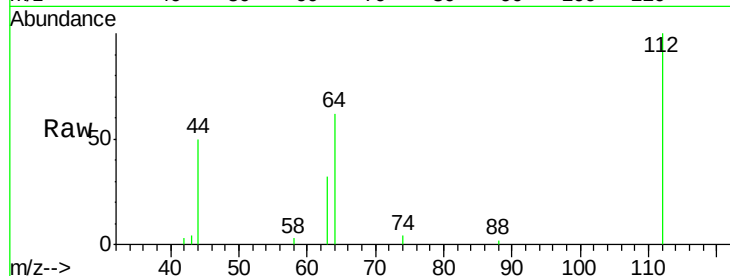




#3
 2-Fluorophenol
 Concen: 0.14 ng
 RT: 6.74 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

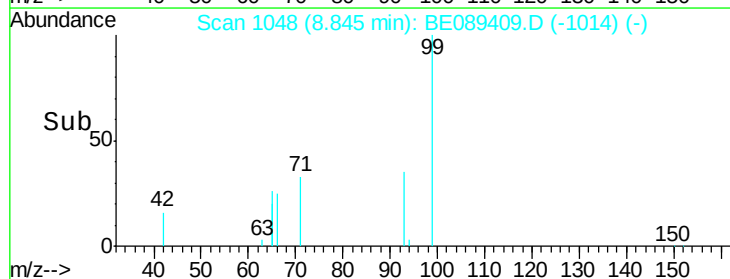
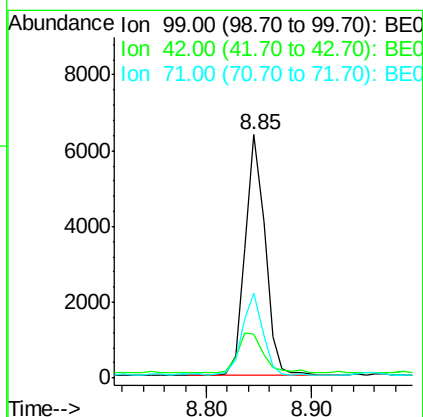
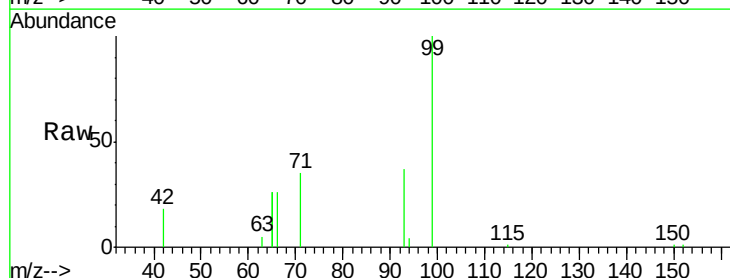
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

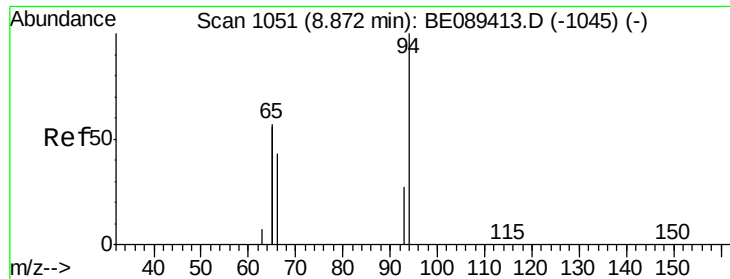
Tgt Ion: 112 Resp: 6961
 Ion Ratio Lower Upper
 112 100
 64 61.8 48.2 72.4
 63 32.5 23.5 35.3



#4
 Phenol-d6
 Concen: 0.14 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

Tgt Ion: 99 Resp: 8411
 Ion Ratio Lower Upper
 99 100
 42 18.1 11.9 17.9#
 71 34.7 25.8 38.6





#5

Phenol

Concen: 0.14 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

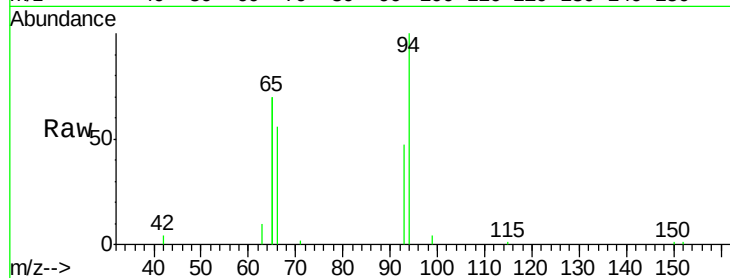
Tgt Ion: 94 Resp: 9068

Ion Ratio Lower Upper

94 100

65 139.4 93.3 133.3#

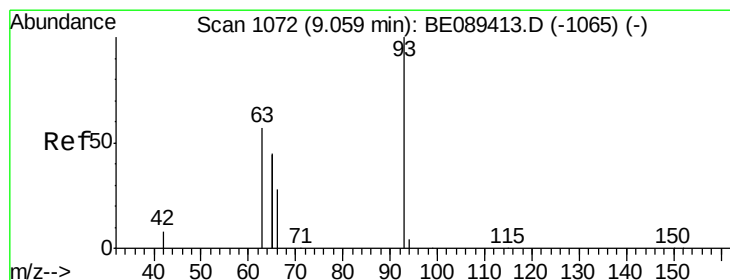
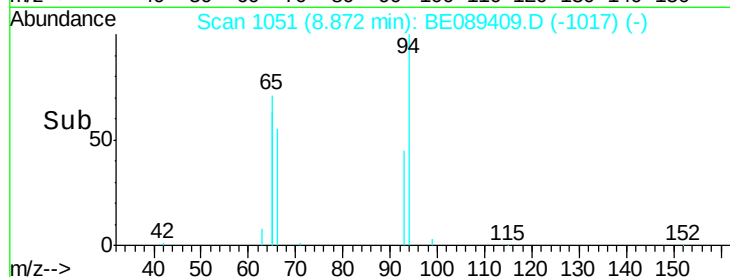
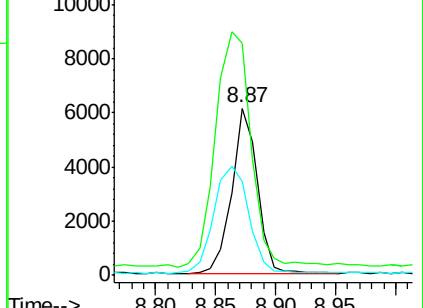
66 56.0 23.6 63.6



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: 0.15 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

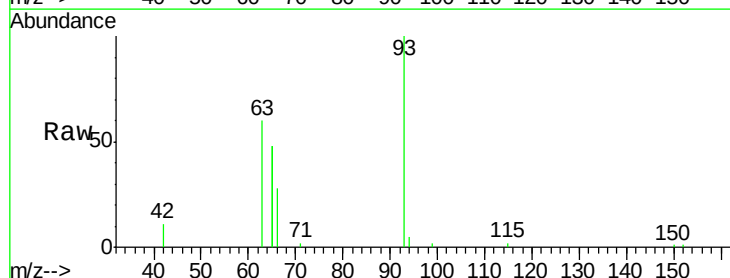
Tgt Ion: 93 Resp: 6869

Ion Ratio Lower Upper

93 100

63 70.1 58.6 88.0

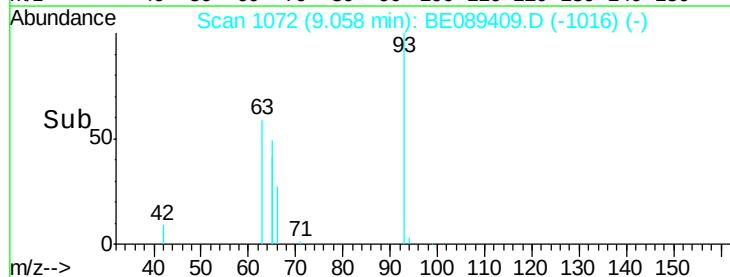
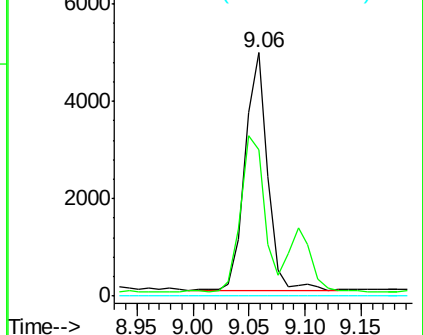
95 0.0 0.0 0.0

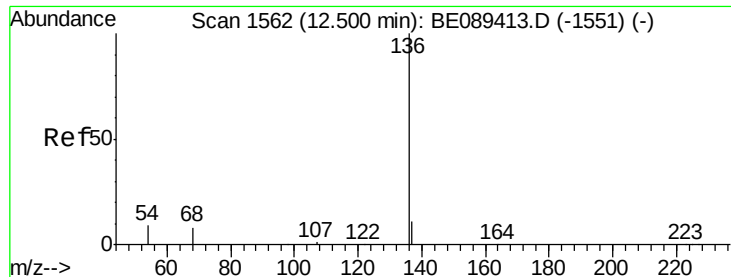


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

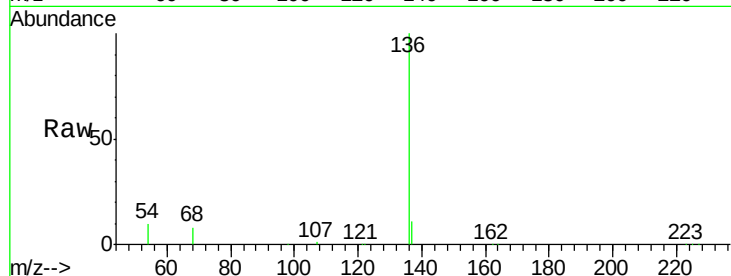
Tgt Ion: 136 Resp: 588912

Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

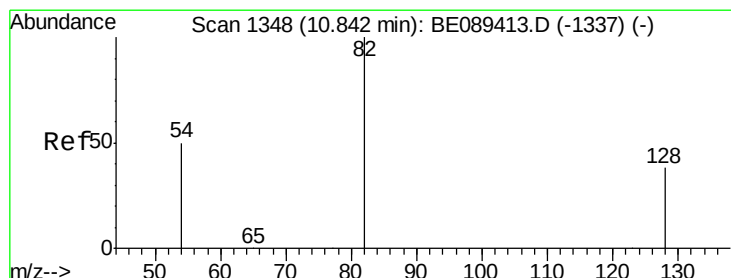
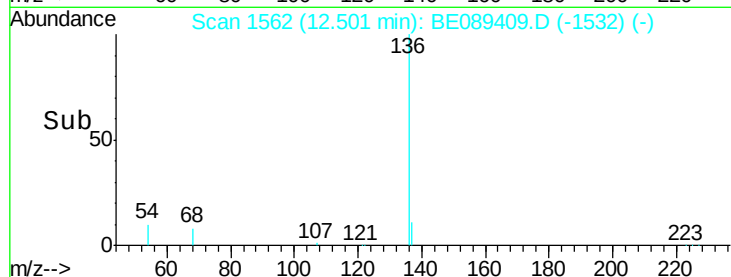
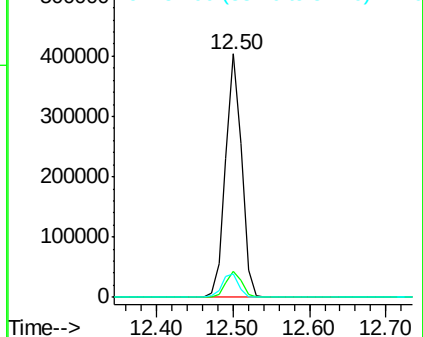
54 9.7 7.5 11.3



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: 0.13 ng

RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

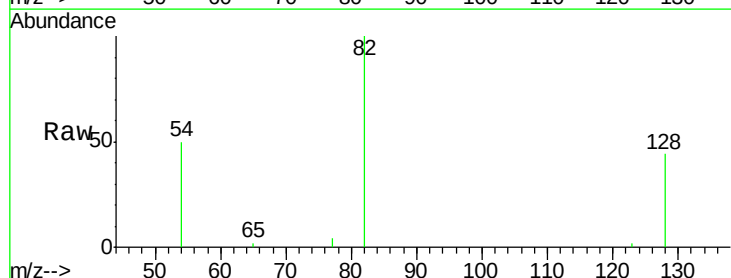
Tgt Ion: 82 Resp: 5365

Ion Ratio Lower Upper

82 100

128 43.7 31.0 46.4

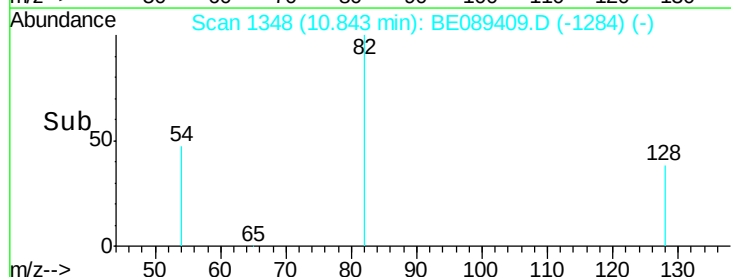
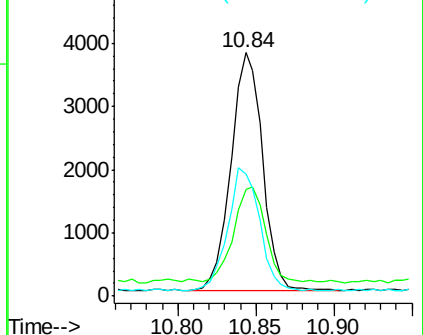
54 50.1 39.8 59.6

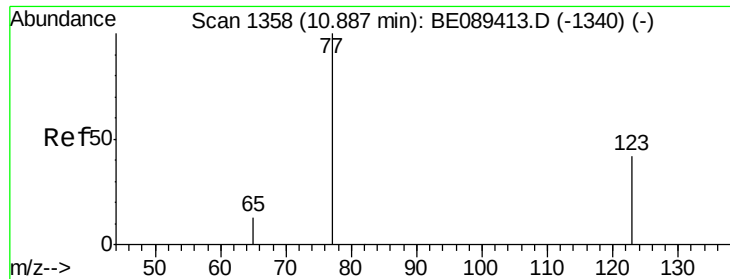


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.13 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

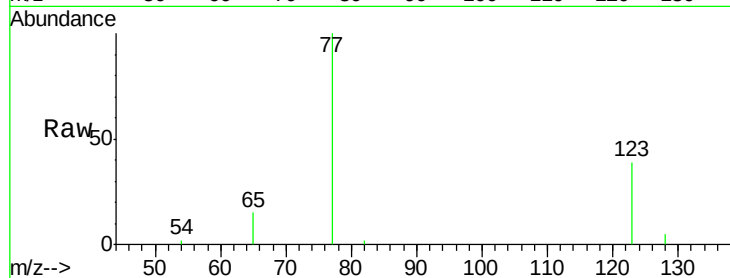
Tgt Ion: 77 Resp: 6006

Ion Ratio Lower Upper

77 100

123 40.7 32.8 49.2

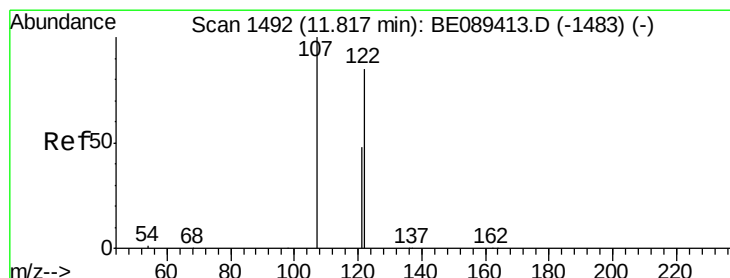
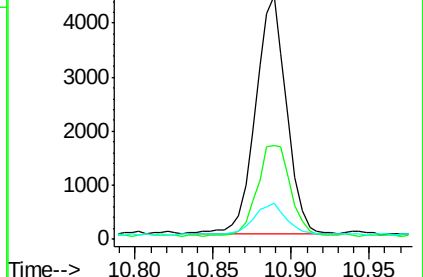
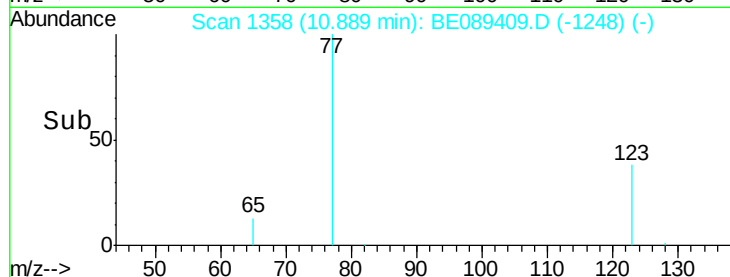
65 13.2 11.0 16.6



Abundance Ion 77.00 (76.70 to 77.70): BE089409.D (-1248) (-)

Ion 123.00 (122.70 to 123.70): BE089409.D (-1248) (-)

Ion 65.00 (64.70 to 65.70): BE089409.D (-1248) (-)



#10

2,4-Dimethylphenol

Concen: 0.12 ng

RT: 11.82 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

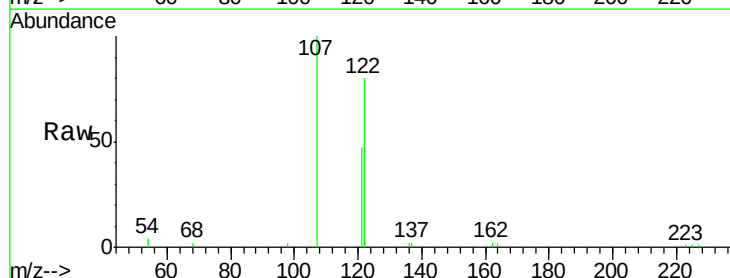
Tgt Ion: 122 Resp: 4495

Ion Ratio Lower Upper

122 100

107 124.9 94.6 142.0

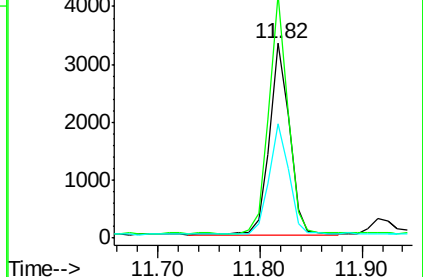
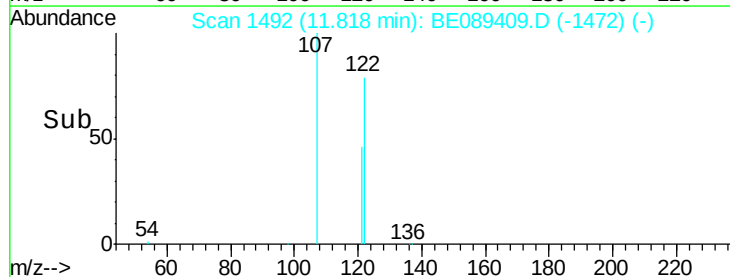
121 58.9 45.8 68.6

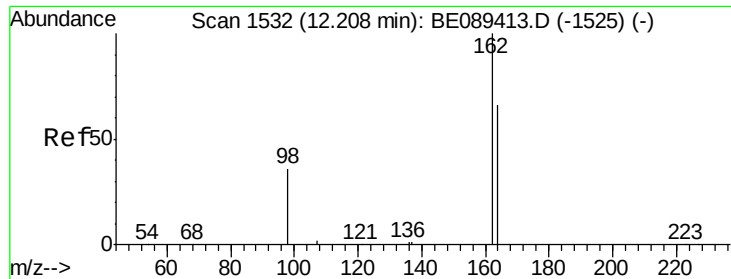


Abundance Ion 122.00 (121.70 to 122.70): BE089409.D (-1472) (-)

Ion 107.00 (106.70 to 107.70): BE089409.D (-1472) (-)

Ion 121.00 (120.70 to 121.70): BE089409.D (-1472) (-)

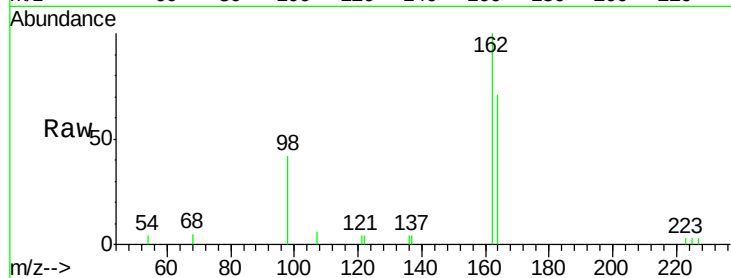




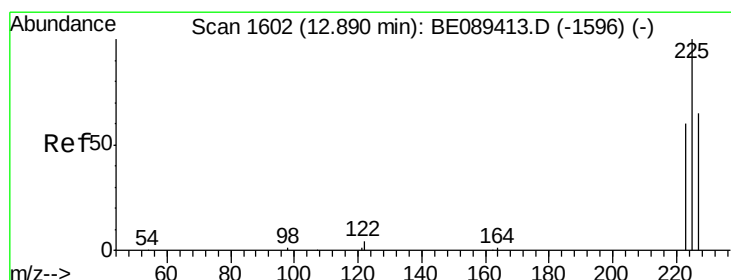
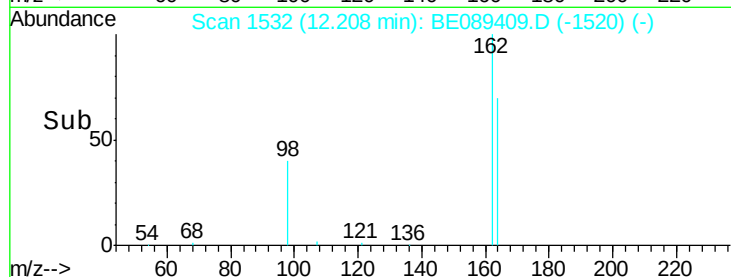
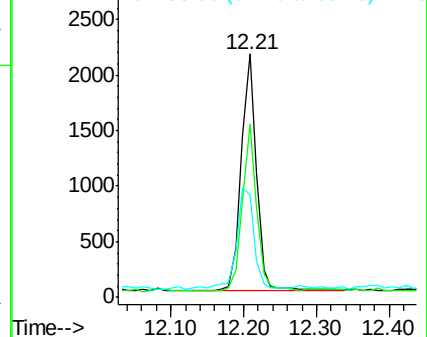
#11
2,4-Dichlorophenol
Concen: 0.11 ng
RT: 12.21 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion:162 Resp: 3132
Ion Ratio Lower Upper
162 100
164 71.2 46.1 86.1
98 42.1 16.2 56.2

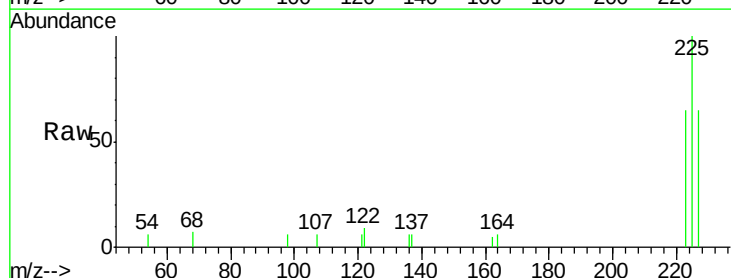


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E

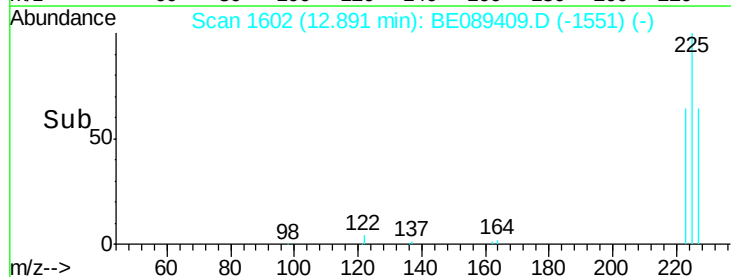
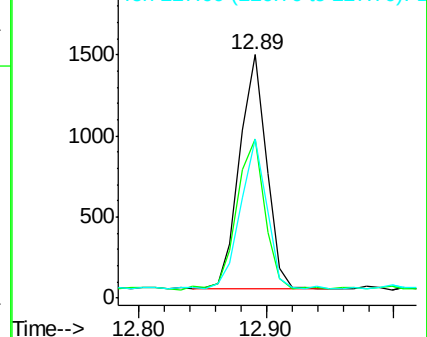


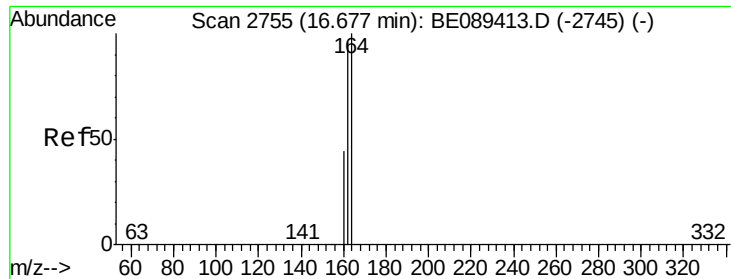
#12
Hexachlorobutadiene
Concen: 0.11 ng
RT: 12.89 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Tgt Ion:225 Resp: 2119
Ion Ratio Lower Upper
225 100
223 66.4 50.4 75.6
227 61.3 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

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

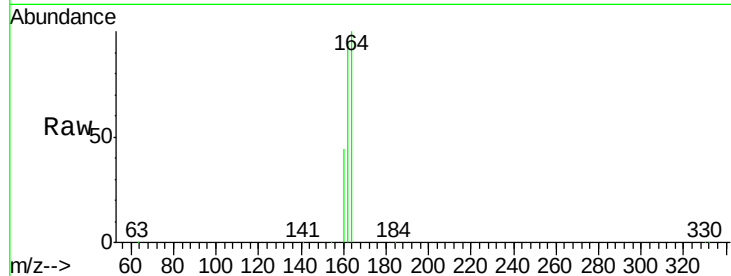
Tgt Ion:164 Resp: 265549

Ion Ratio Lower Upper

164 100

162 95.3 77.0 115.6

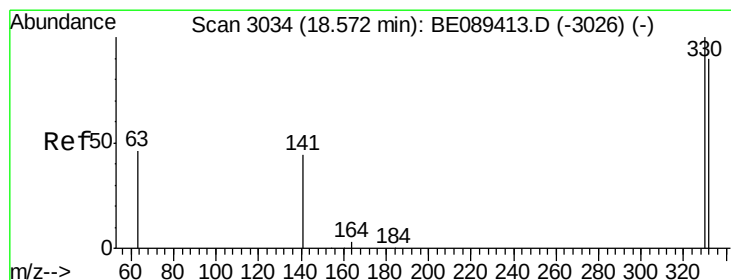
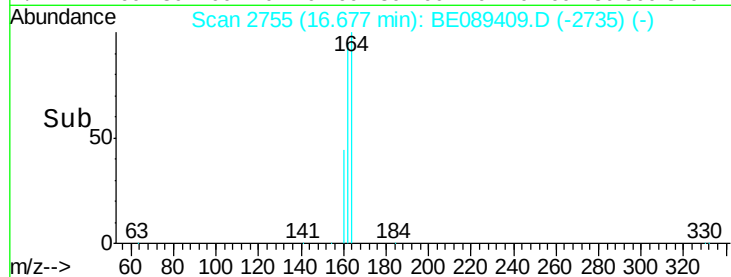
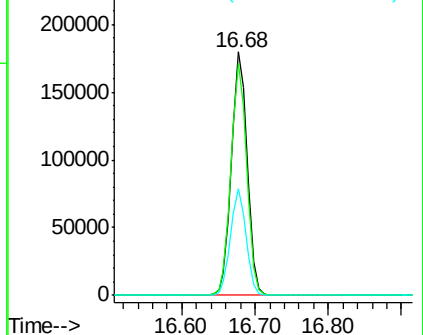
160 43.8 35.0 52.4



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: 0.11 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.01 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

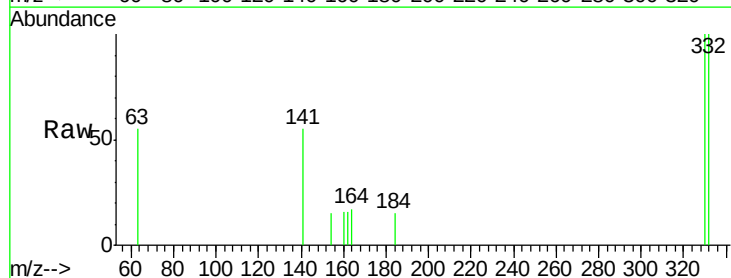
Tgt Ion:330 Resp: 670

Ion Ratio Lower Upper

330 100

332 104.0 76.0 114.0

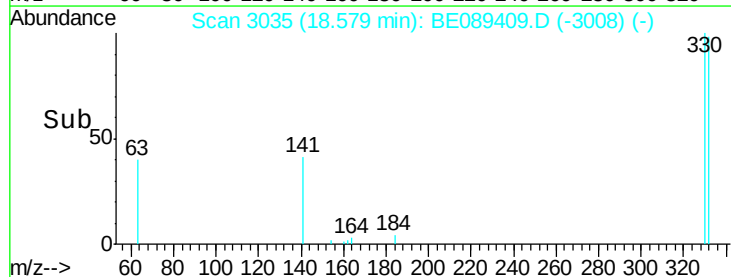
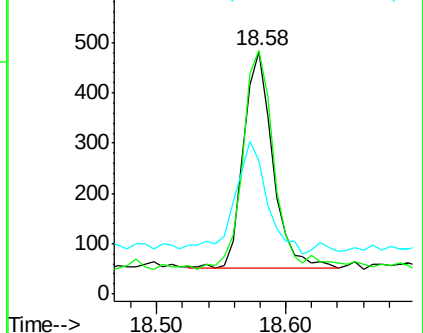
141 59.7 35.6 53.4#

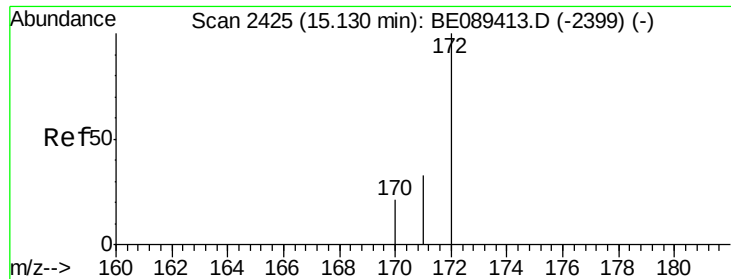


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

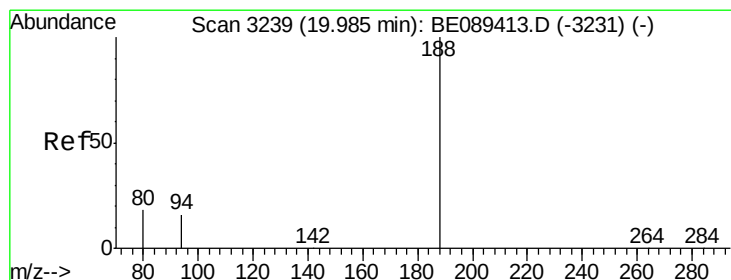
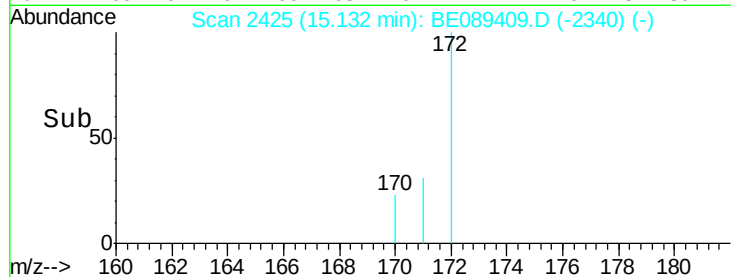
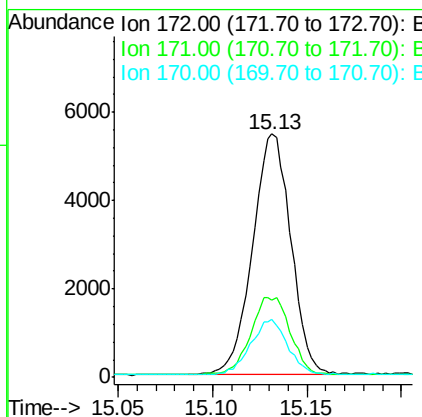
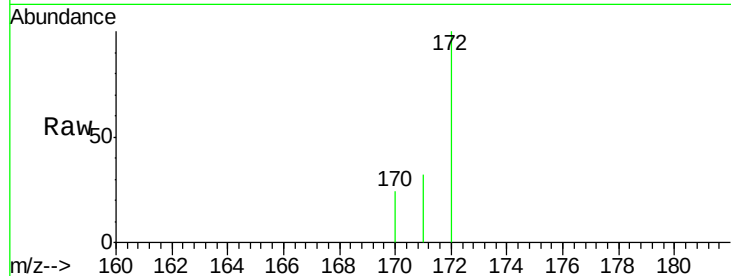




#15
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

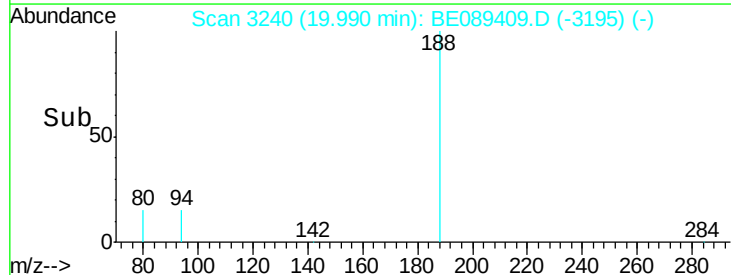
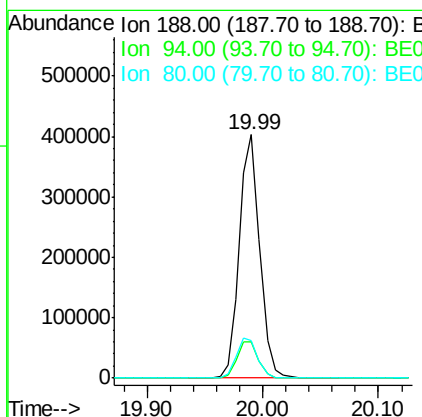
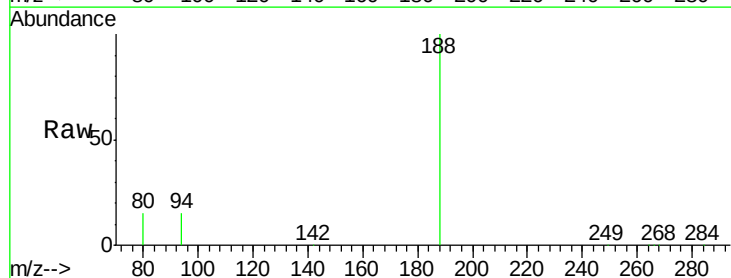
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

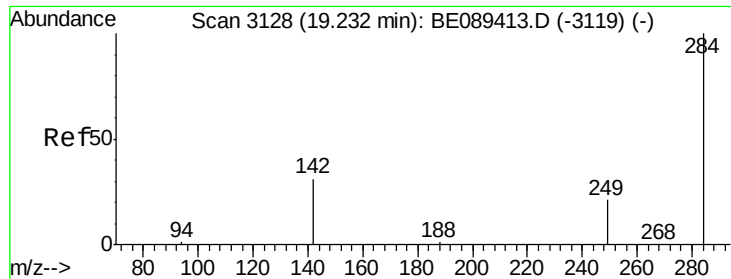
Tgt Ion:172 Resp: 7683
Ion Ratio Lower Upper
172 100
171 31.5 26.6 39.8
170 23.7 17.1 25.7



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Tgt Ion:188 Resp: 494933
Ion Ratio Lower Upper
188 100
94 14.8 13.0 19.6
80 15.4 14.2 21.4

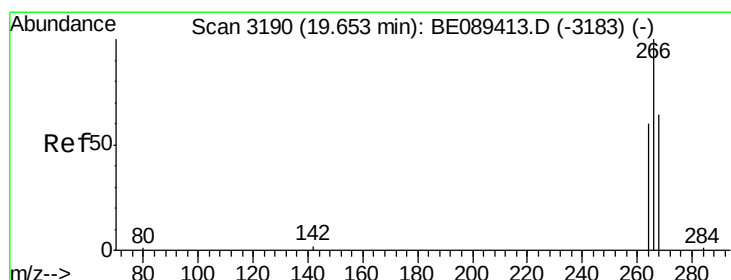
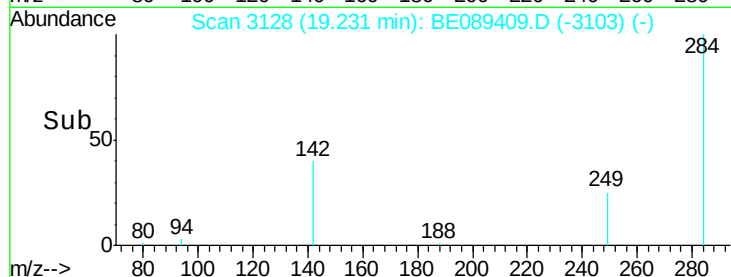
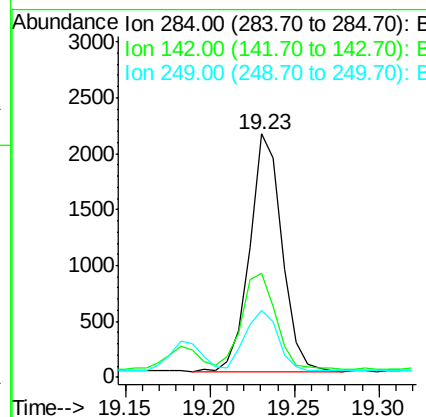
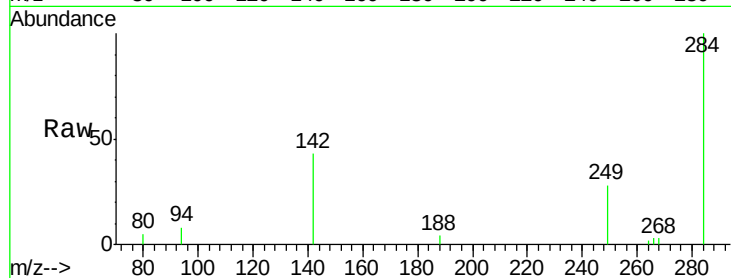




#18
Hexachlorobenzene
Concen: 0.12 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

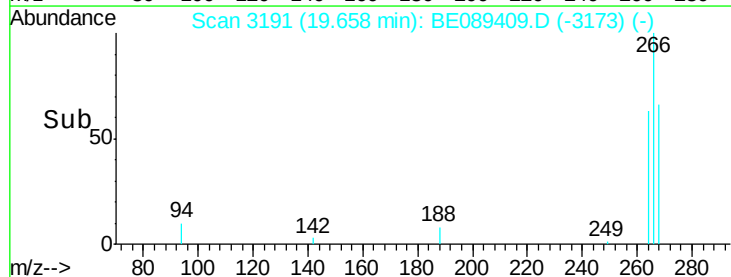
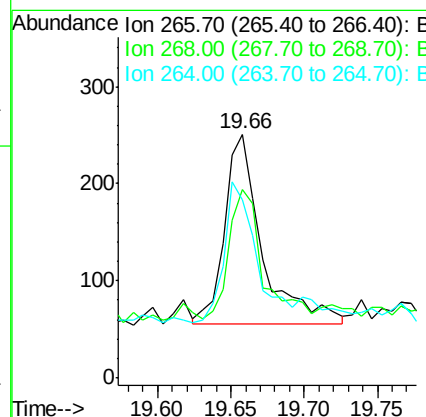
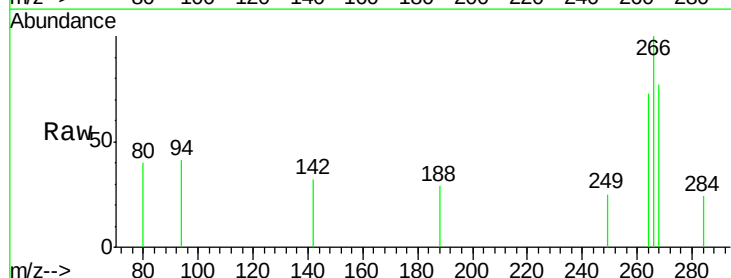
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

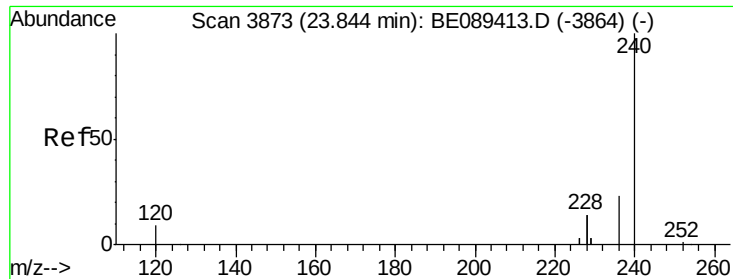
Tgt Ion: 284 Resp: 2817
Ion Ratio Lower Upper
284 100
142 42.7 28.3 42.5#
249 27.6 19.9 29.9



#19
Pentachlorophenol
Concen: 0.08 ng
RT: 19.66 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Tgt Ion: 266 Resp: 350
Ion Ratio Lower Upper
266 100
268 77.3 51.9 77.9
264 73.3 48.5 72.7#





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.84 min Scan# 3872

Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

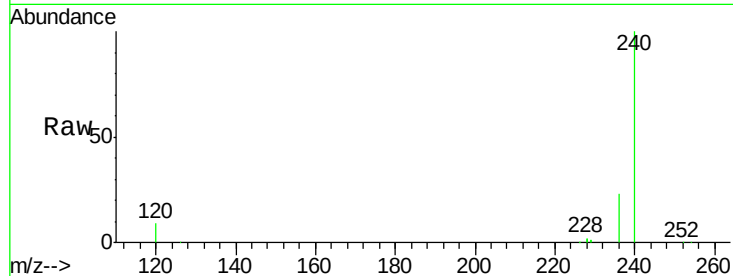
Tgt Ion:240 Resp: 602297

Ion Ratio Lower Upper

240 100

120 9.1 6.9 10.3

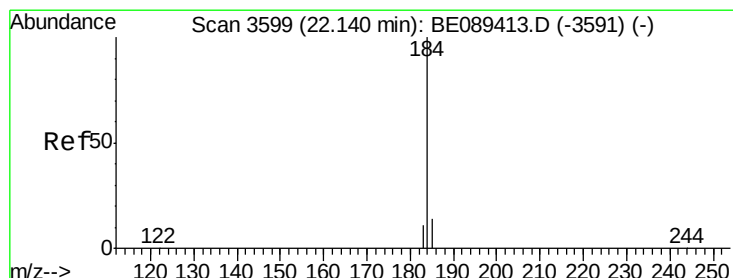
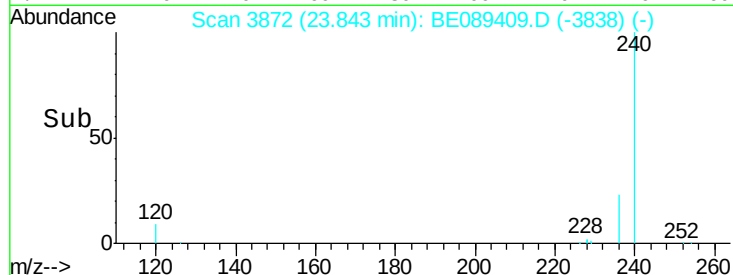
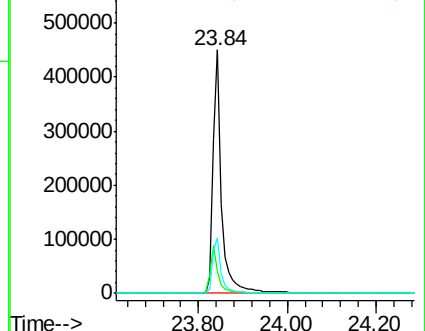
236 22.9 18.2 27.2



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: 0.28 ng

RT: 22.14 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

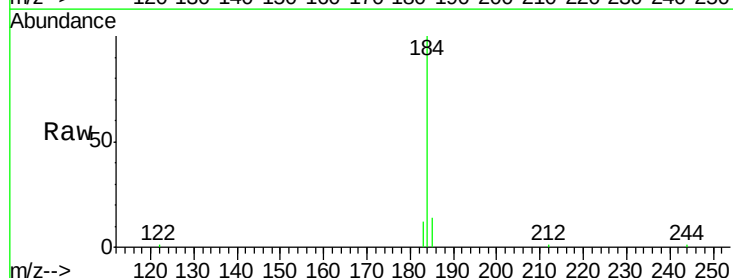
Tgt Ion:184 Resp: 13665

Ion Ratio Lower Upper

184 100

185 14.0 11.0 16.6

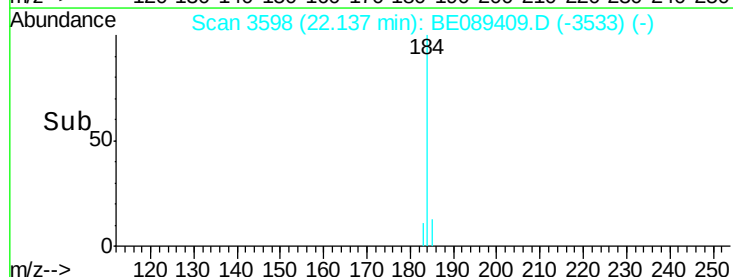
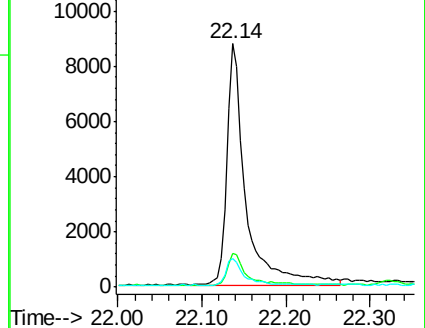
183 11.8 8.6 13.0

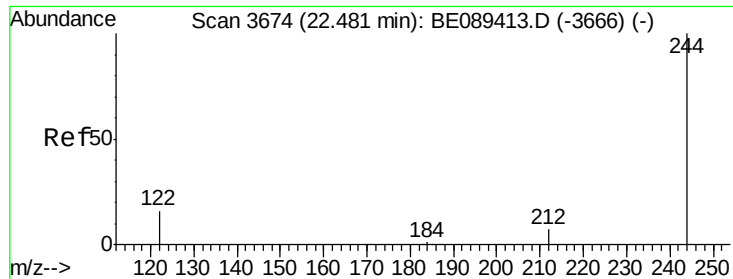


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

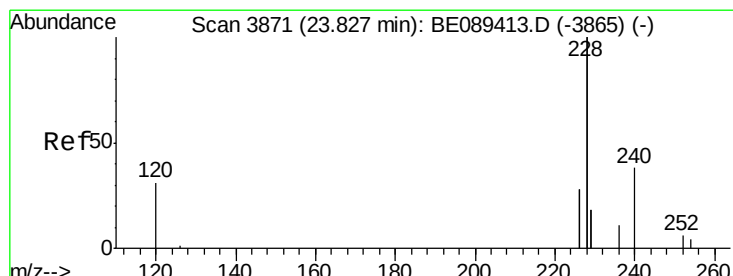
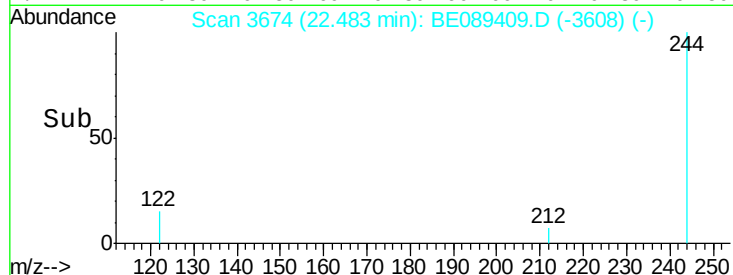
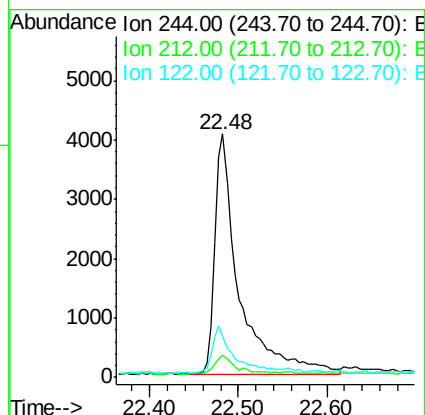
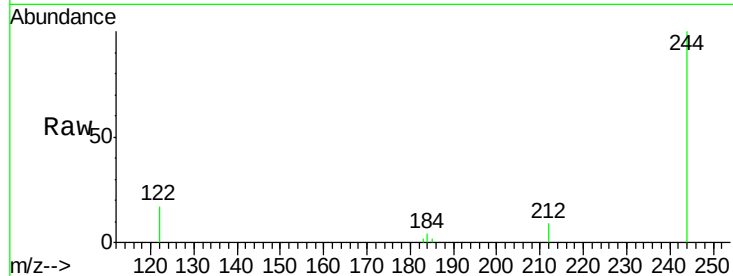




#22
 Terphenyl-d14
 Concen: 0.11 ng
 RT: 22.48 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

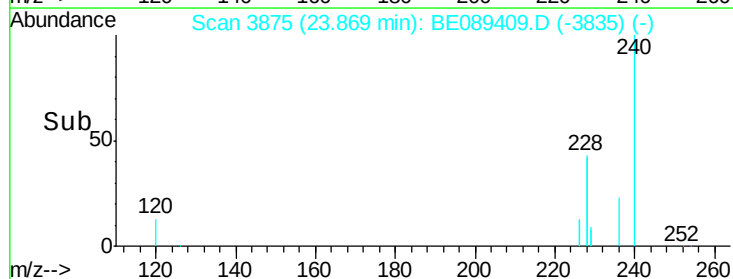
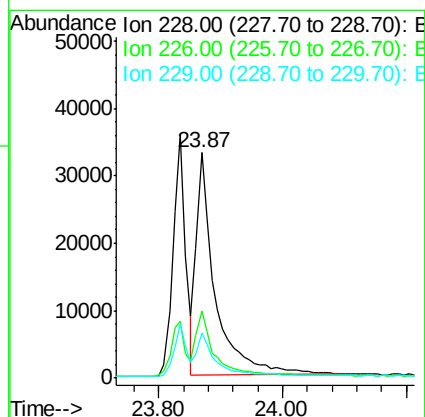
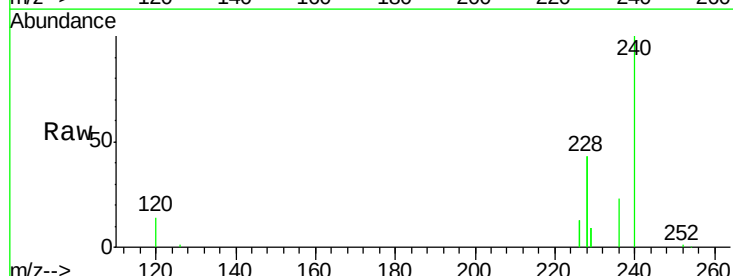
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

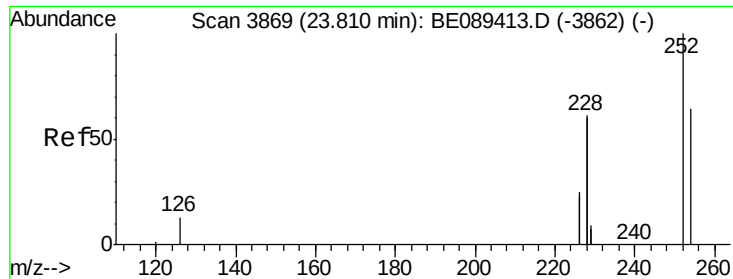
Tgt Ion:244 Resp: 7577
 Ion Ratio Lower Upper
 244 100
 212 8.9 5.4 8.0#
 122 17.0 13.2 19.8



#23
 Benzo(a)anthracene
 Concen: 0.13 ng
 RT: 23.87 min Scan# 3875
 Delta R.T. 0.04 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

Tgt Ion:228 Resp: 68800
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 20.1 14.5 21.7





#24

3,3'-Dichlorobenzidine

Concen: 0.07 ng

RT: 23.81 min Scan# 3868

Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

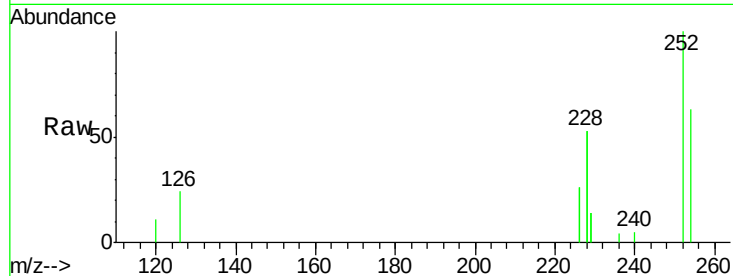
Tgt Ion:252 Resp: 2962

Ion Ratio Lower Upper

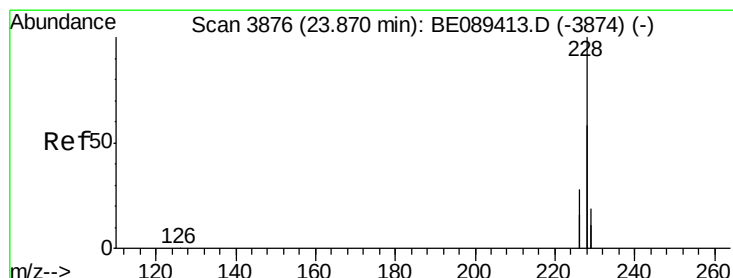
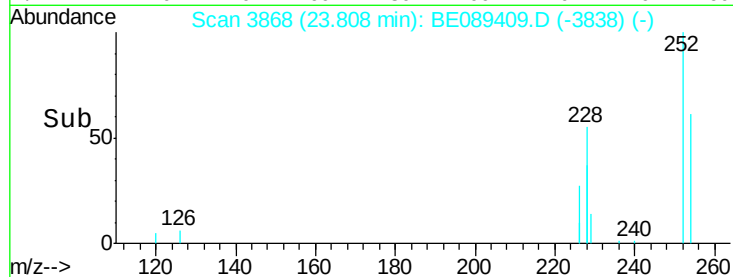
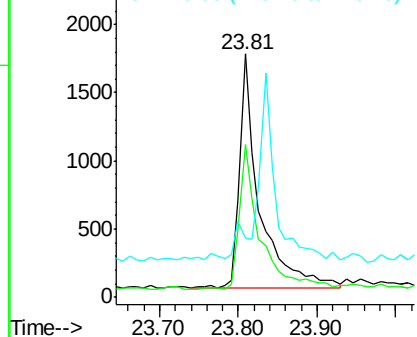
252 100

254 62.7 51.1 76.7

126 24.1 11.5 17.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#25

Chrysene

Concen: 0.10 ng

RT: 23.87 min Scan# 3875

Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

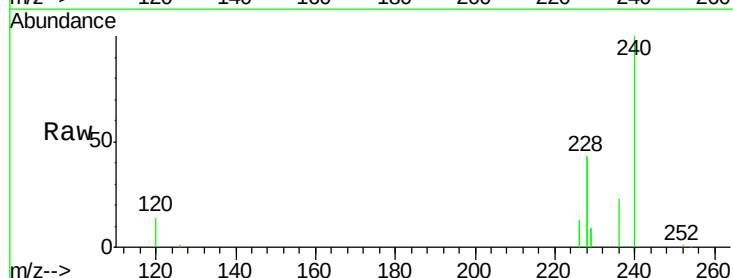
Tgt Ion:228 Resp: 70535

Ion Ratio Lower Upper

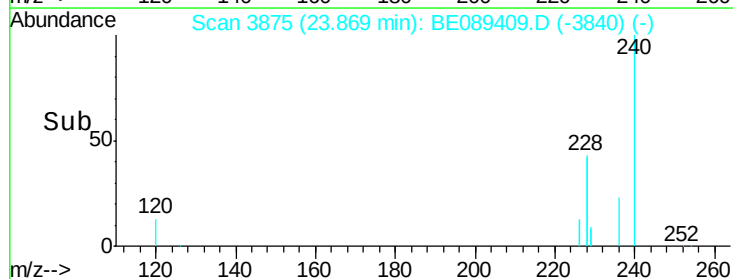
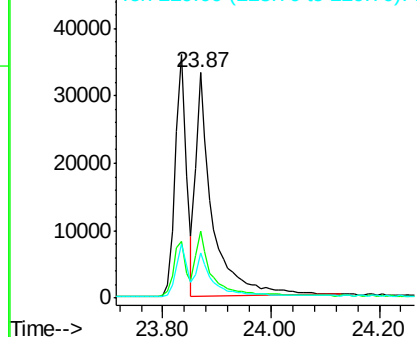
228 100

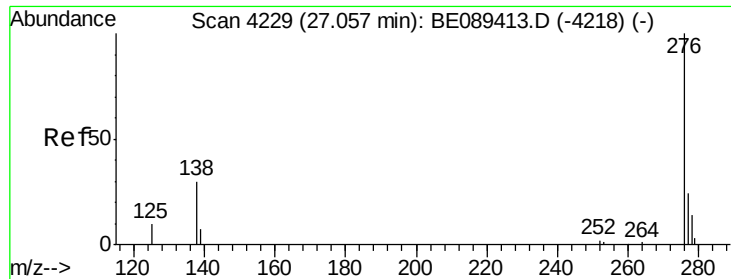
226 29.9 22.6 33.8

229 20.1 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

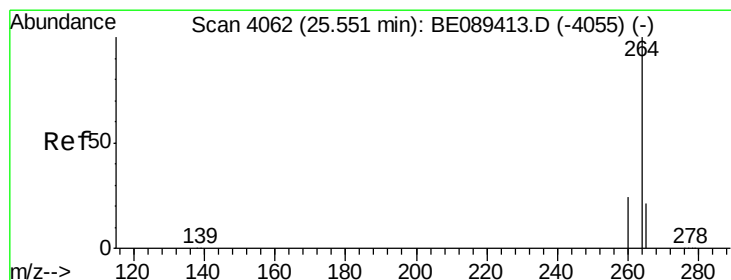
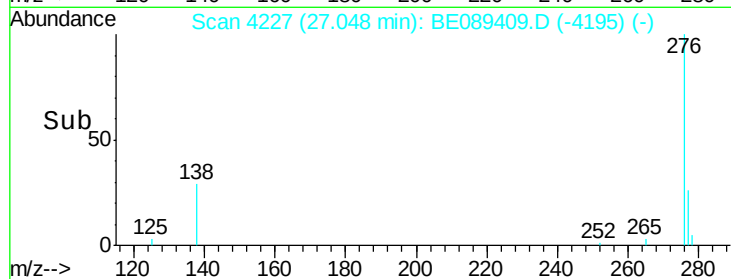
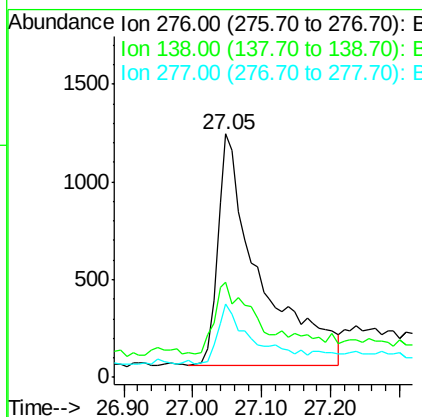
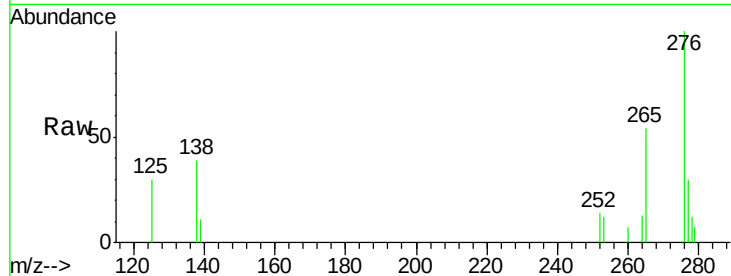




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 27.05 min Scan# 4227
 Delta R.T. -0.01 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

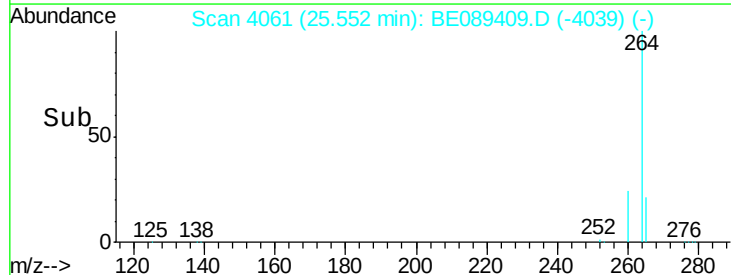
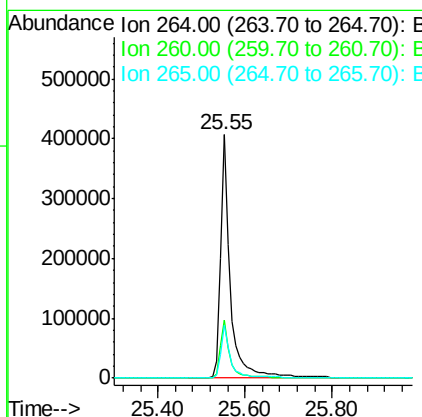
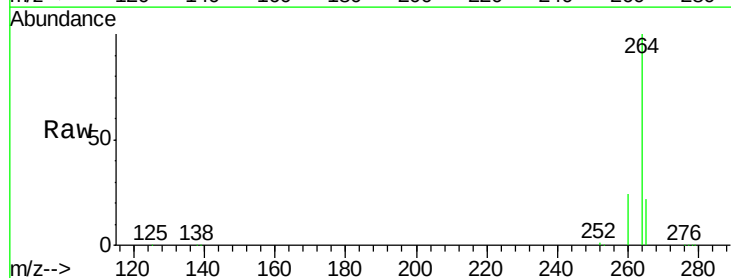
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

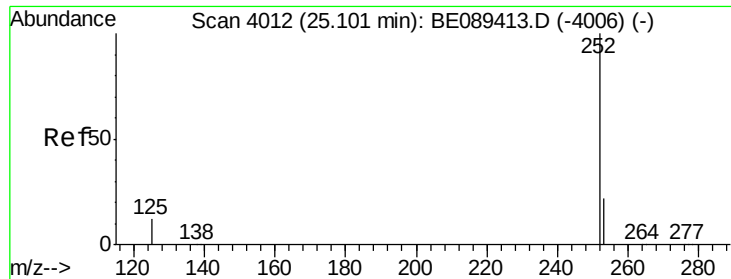
Tgt Ion: 276 Resp: 5007
 Ion Ratio Lower Upper
 276 100
 138 27.1 0.0 0.0#
 277 20.7 0.0 0.0#



#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4061
 Delta R.T. 0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

Tgt Ion: 264 Resp: 645922
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.0
 265 21.5 17.1 25.7

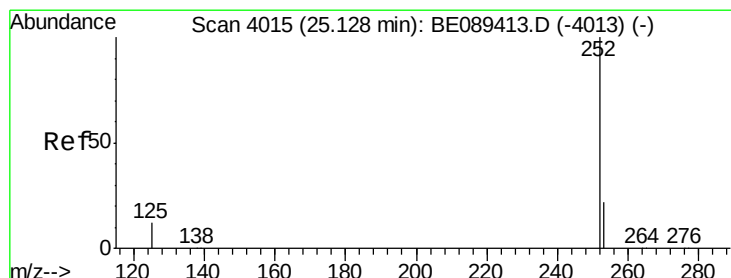
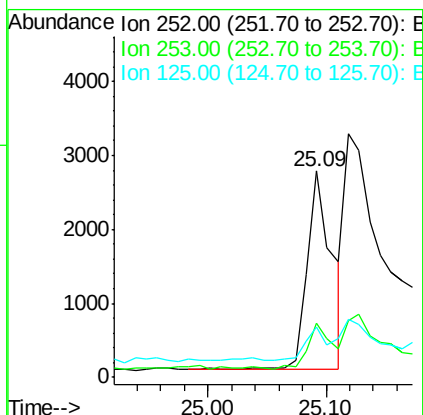
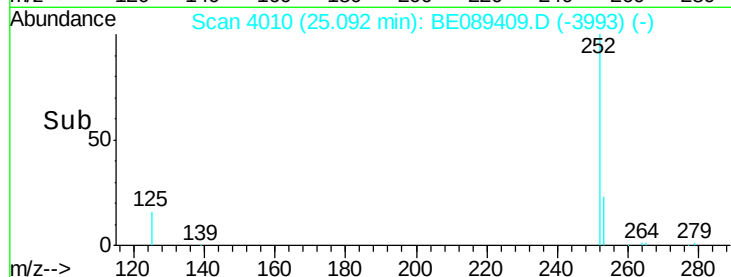
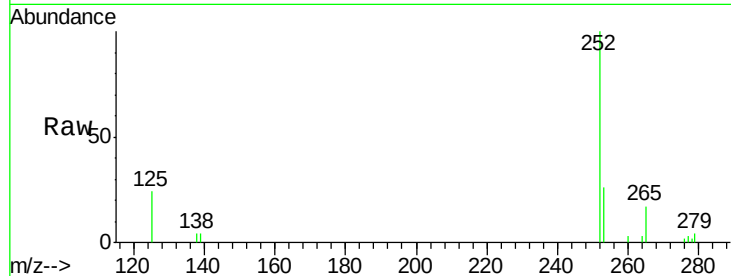




#28
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 25.09 min Scan# 4010
Delta R.T. -0.01 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

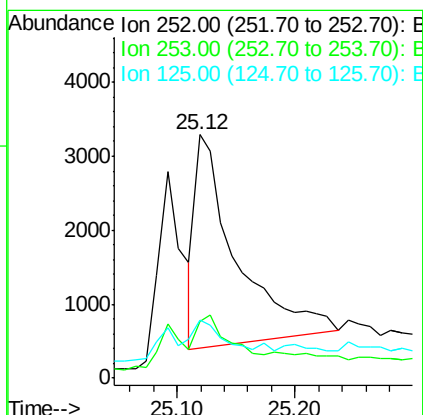
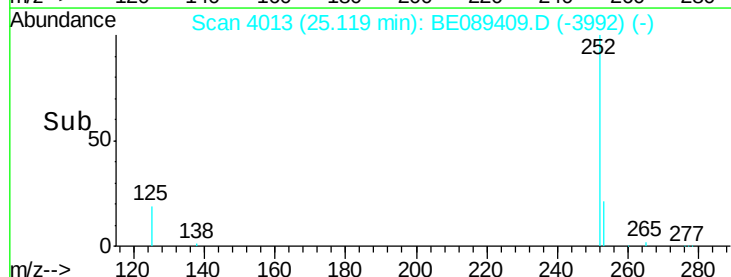
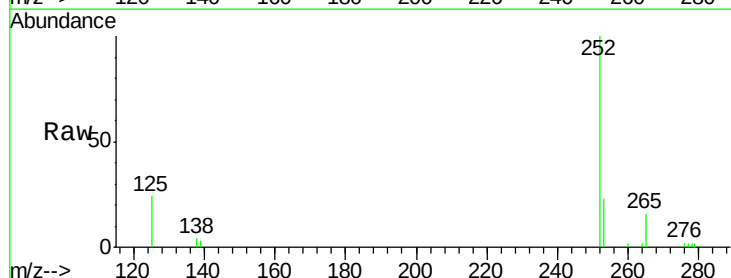
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

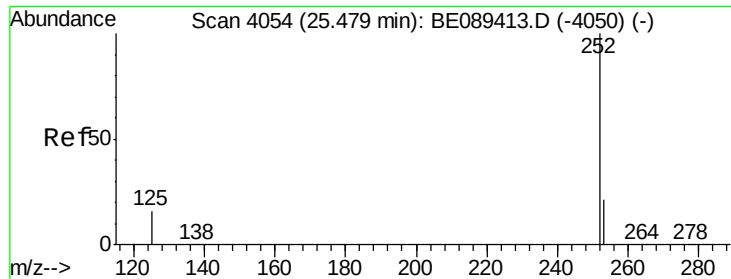
Tgt Ion:252 Resp: 3955
Ion Ratio Lower Upper
252 100
253 26.4 17.6 26.4#
125 24.5 10.5 15.7#



#29
Benzo(k)fluoranthene
Concen: 0.04 ng
RT: 25.12 min Scan# 4013
Delta R.T. -0.01 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Tgt Ion:252 Resp: 7008
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 23.9 11.0 16.6#





#30

Benzo(a)pyrene

Concen: 0.05 ng

RT: 25.48 min Scan# 4053

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

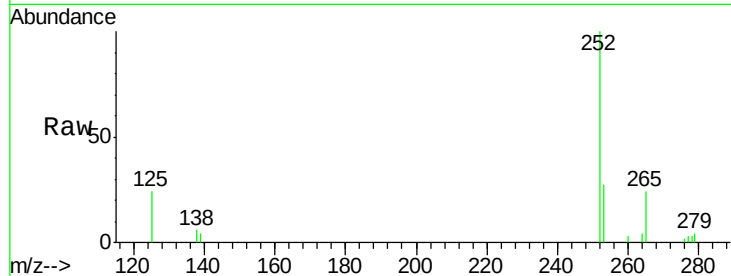
Tgt Ion:252 Resp: 4481

Ion Ratio Lower Upper

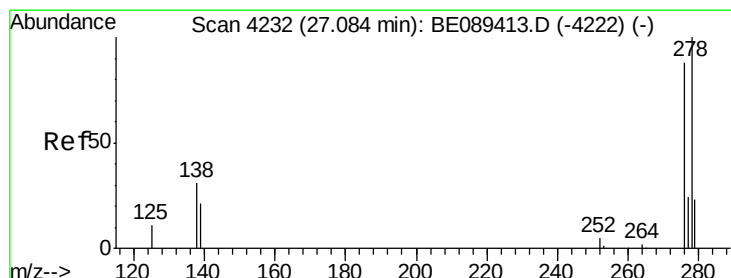
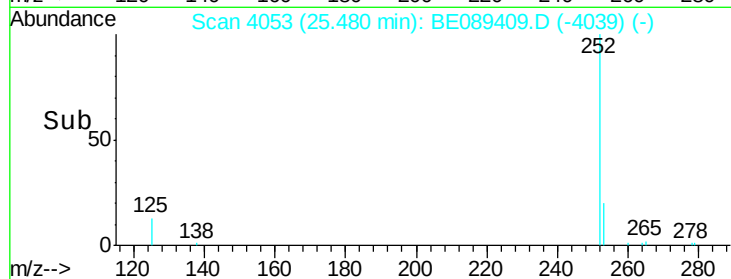
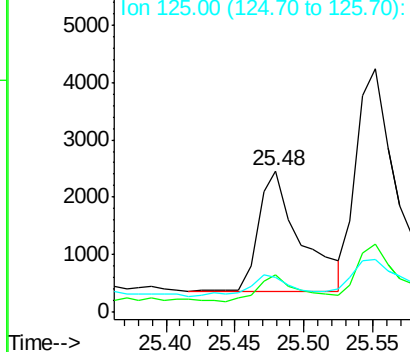
252 100

253 26.9 17.3 25.9#

125 24.3 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: 0.03 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

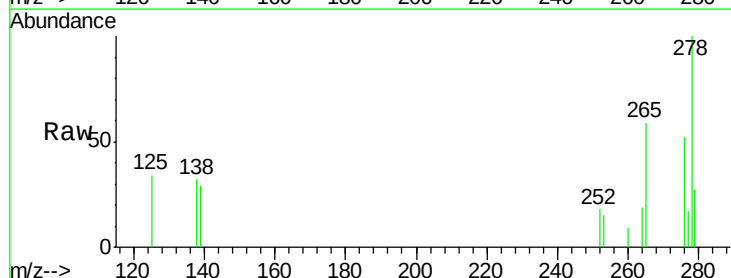
Tgt Ion:278 Resp: 3442

Ion Ratio Lower Upper

278 100

139 28.7 17.2 25.8#

279 26.7 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

