

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021615\
 Data File : BE089573.D
 Acq On : 16 Feb 2015 17:11
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Feb 16 17:50:56 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 16 17:18:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	74310	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	299434	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	145132	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	281319	5.00	ng	0.00
20) Chrysene-d12	23.66	240	298228	5.00	ng	0.00
27) Perylene-d12	25.34	264	274009	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.51	112	17302	0.79	ng	0.00
4) Phenol-d6	8.62	99	23017	0.80	ng	0.00
8) Nitrobenzene-d5	10.61	82	9330	0.69	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	2374	0.68	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	32087	0.82	ng	0.00
22) Terphenyl-d14	22.30	244	33406	0.80	ng	0.00

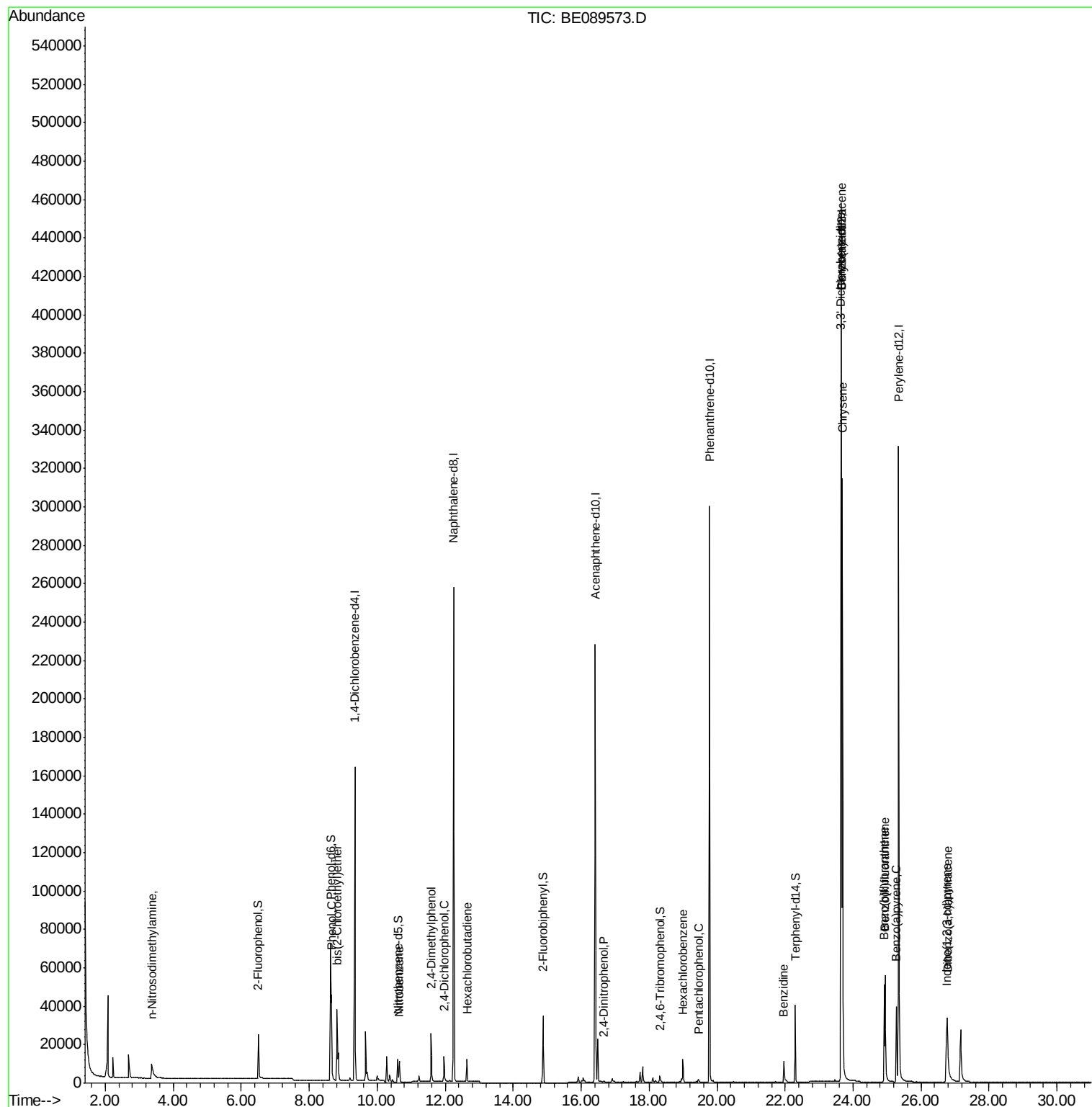
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.37	42	8297	0.67	ng	# 88
5) Phenol	8.65	94	24936	0.80	ng	93
6) bis(2-Chloroethyl)ether	8.83	93	19126	0.81	ng	# 99
9) Nitrobenzene	10.65	77	10732	0.65	ng	100
10) 2,4-Dimethylphenol	11.59	122	13985	0.77	ng	97
11) 2,4-Dichlorophenol	11.97	162	10861	0.77	ng	97
12) Hexachlorobutadiene	12.64	225	7562	0.84	ng	100
16) 2,4-Dinitrophenol	16.66	184	307	0.51	ng	93
18) Hexachlorobenzene	19.00	284	9691	0.82	ng	99
19) Pentachlorophenol	19.45	266	1331	0.55	ng	98
21) Benzidine	21.96	184	16556	0.53	ng	99
23) Benzo(a)anthracene	23.64	228	228985	0.75	ng	98
24) 3,3'-Dichlorobenzidine	23.63	252	14433	0.60	ng	99
25) Chrysene	23.69	228	236177	0.84	ng	100
26) Indeno(1,2,3-cd)pyrene	26.75	276	54603	0.70	ng	99
28) Benzo(b)fluoranthene	24.91	252	41932	0.65	ng	99
29) Benzo(k)fluoranthene	24.94	252	64378	0.83	ng	99
30) Benzo(a)pyrene	25.28	252	41686	0.68	ng	100
31) Dibenzo(a,h)anthracene	26.78	278	42596	0.68	ng	100

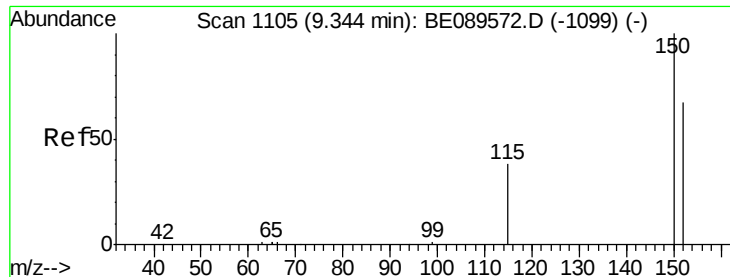
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

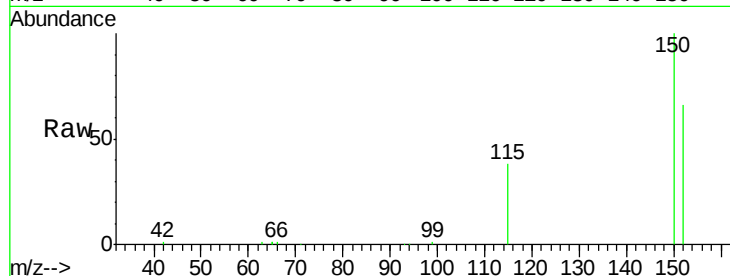
Tgt Ion:152 Resp: 74310

Ion Ratio Lower Upper

152 100

150 151.5 120.2 180.2

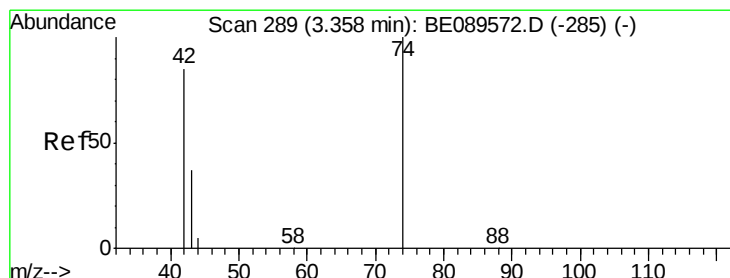
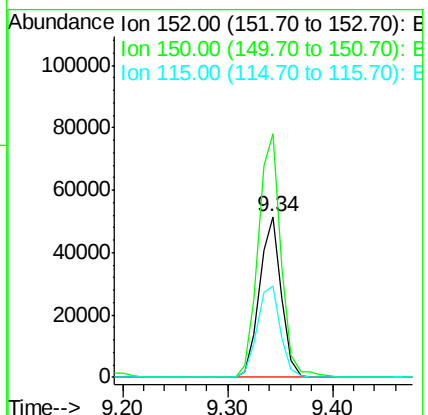
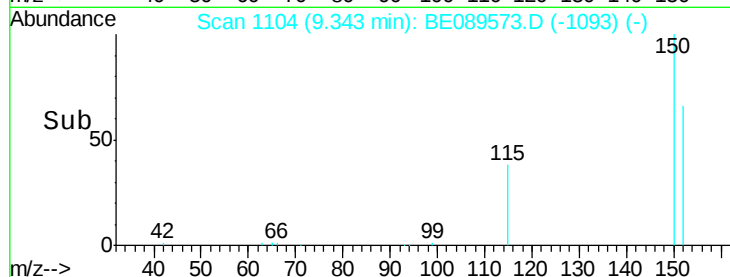
115 57.1 45.2 67.8



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: 0.67 ng

RT: 3.37 min Scan# 290

Delta R.T. 0.01 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

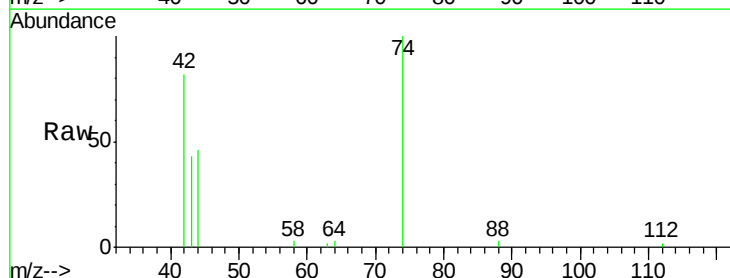
Tgt Ion: 42 Resp: 8297

Ion Ratio Lower Upper

42 100

74 122.1 90.1 135.1

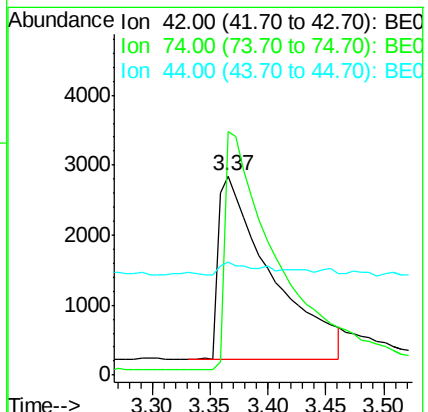
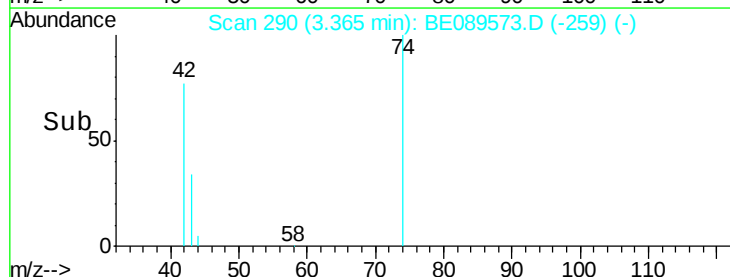
44 56.6 35.0 52.4#

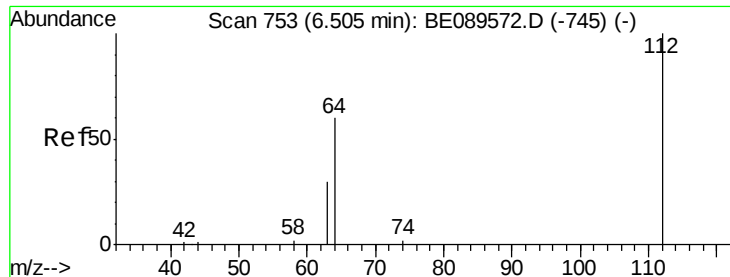


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

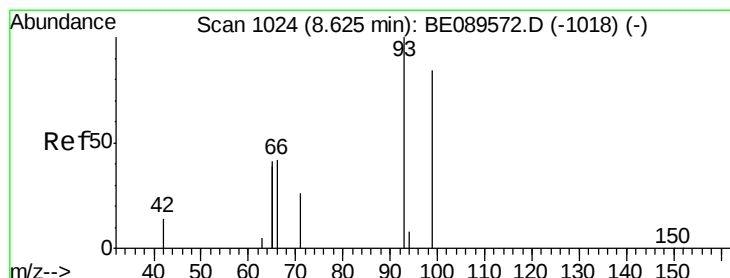
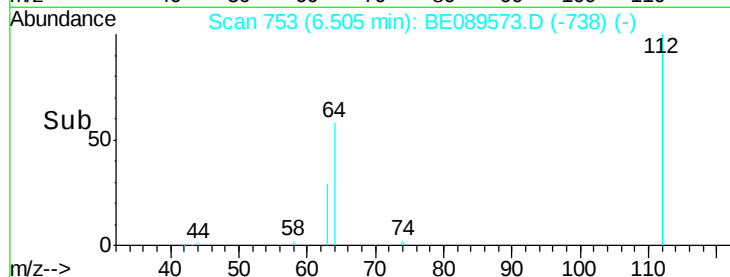
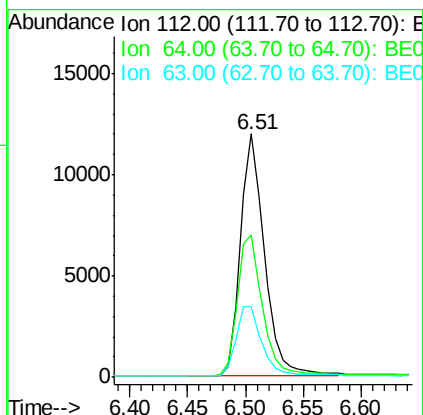
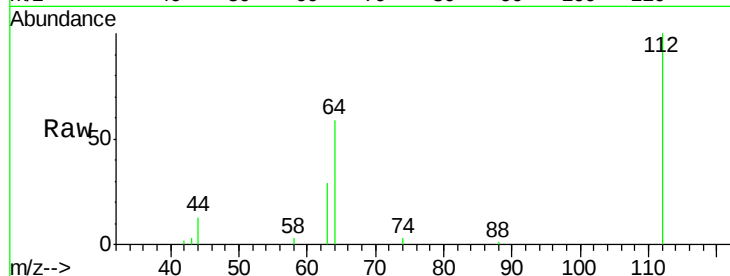




#3
 2-Fluorophenol
 Concen: 0.79 ng
 RT: 6.51 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: BE089573.D
 Acq: 16 Feb 2015 17:11

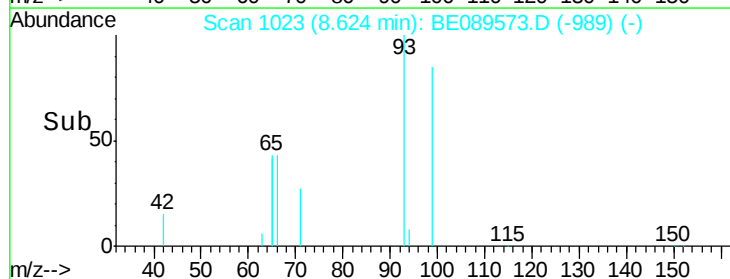
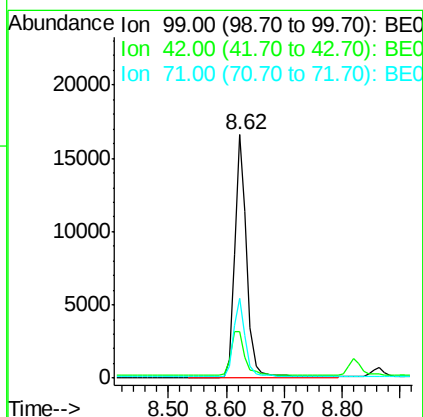
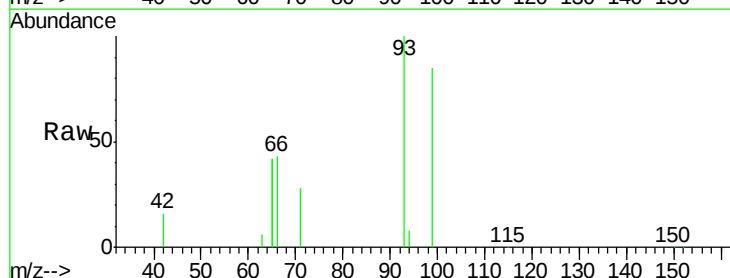
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

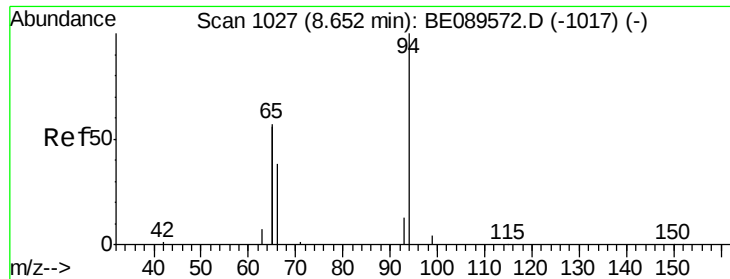
Tgt Ion: 112 Resp: 17302
 Ion Ratio Lower Upper
 112 100
 64 58.5 48.6 72.8
 63 29.1 24.6 37.0



#4
 Phenol-d6
 Concen: 0.80 ng
 RT: 8.62 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BE089573.D
 Acq: 16 Feb 2015 17:11

Tgt Ion: 99 Resp: 23017
 Ion Ratio Lower Upper
 99 100
 42 19.0 13.9 20.9
 71 32.5 25.2 37.8





#5

Phenol

Concen: 0.80 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

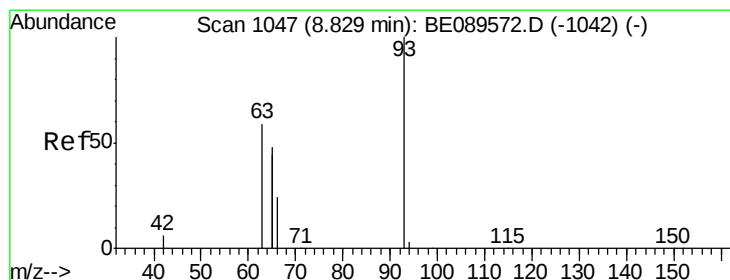
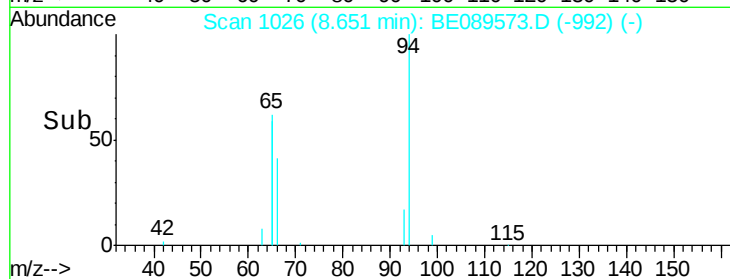
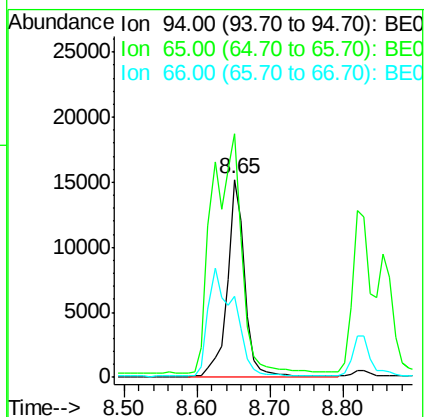
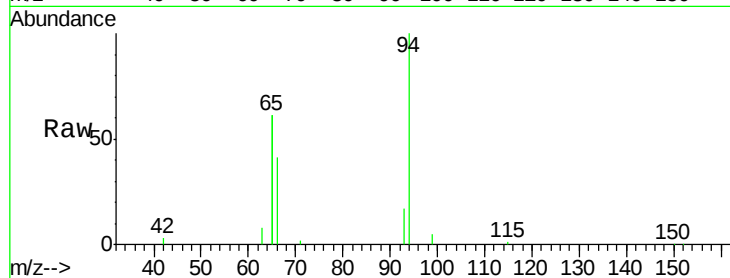
Tgt Ion: 94 Resp: 24936

Ion Ratio Lower Upper

94 100

65 122.9 94.5 134.5

66 40.9 18.2 58.2



#6

bis(2-Chloroethyl)ether

Concen: 0.81 ng

RT: 8.83 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

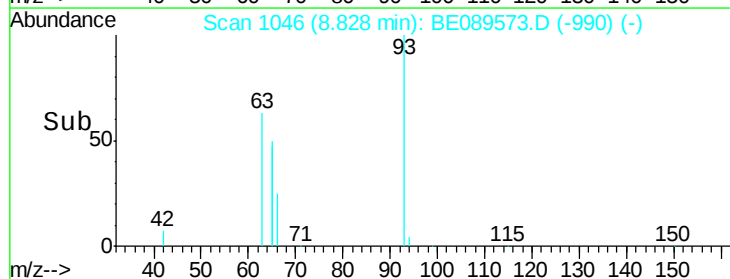
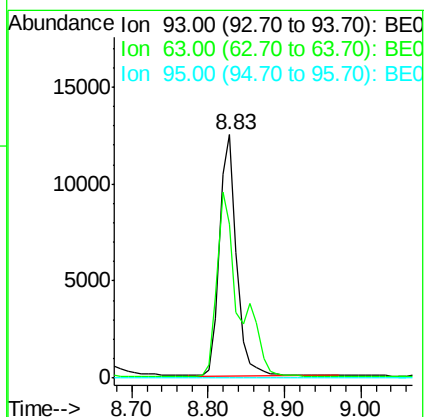
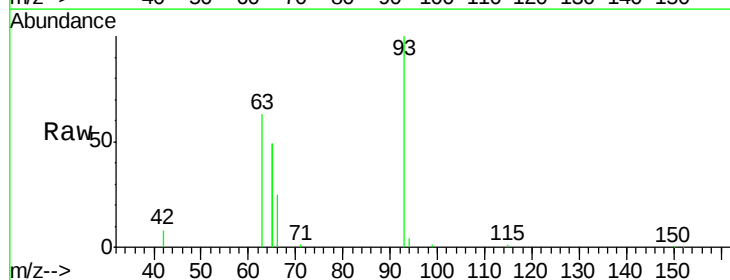
Tgt Ion: 93 Resp: 19126

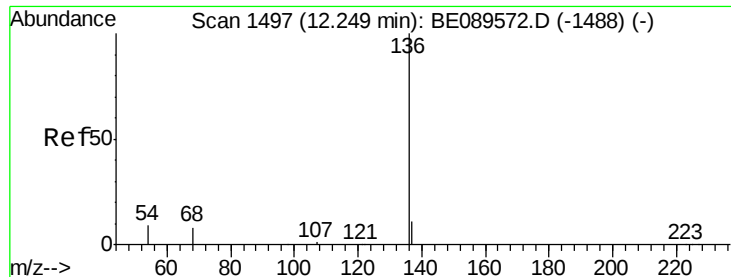
Ion Ratio Lower Upper

93 100

63 101.5 81.7 122.5

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

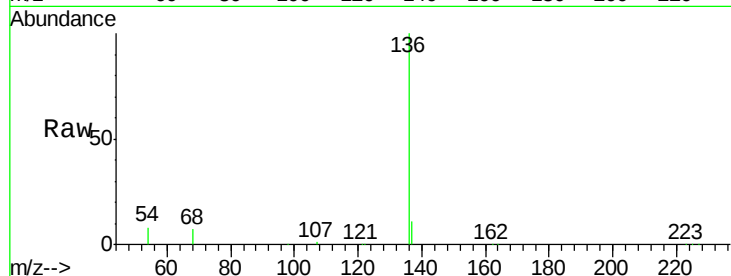
Tgt Ion:136 Resp: 299434

Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

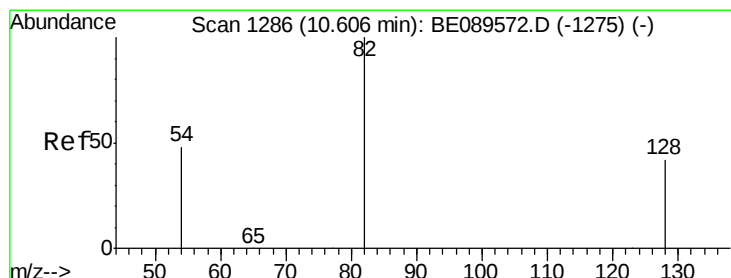
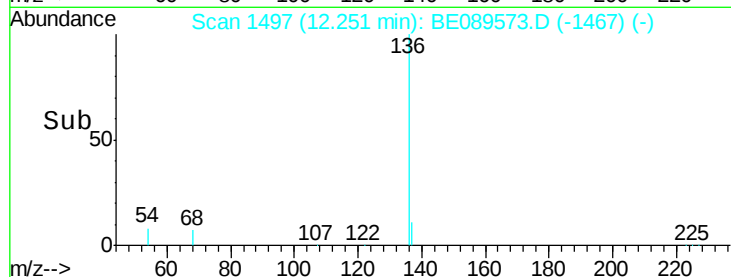
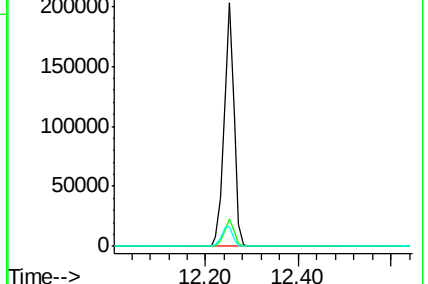
54 8.0 7.0 10.4



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: 0.69 ng

RT: 10.61 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

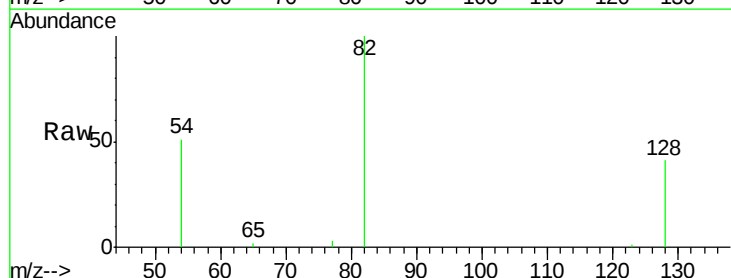
Tgt Ion: 82 Resp: 9330

Ion Ratio Lower Upper

82 100

128 40.7 33.8 50.6

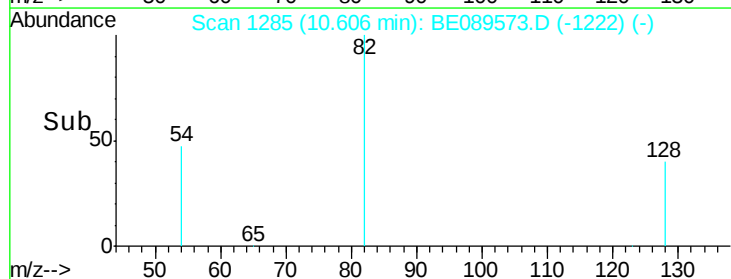
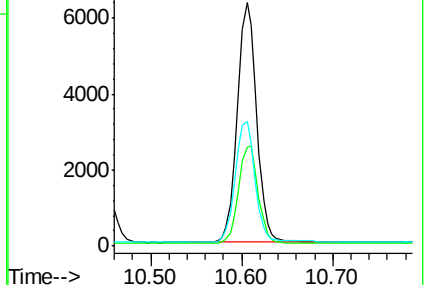
54 51.4 39.0 58.6

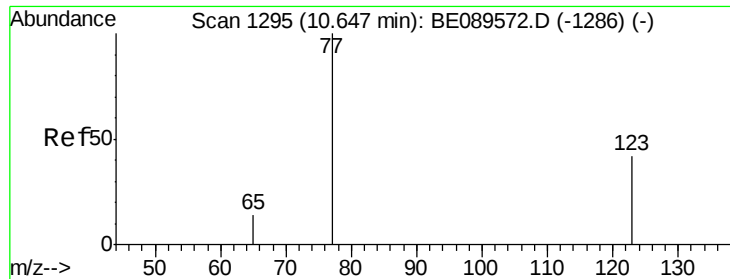


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.65 ng

RT: 10.65 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

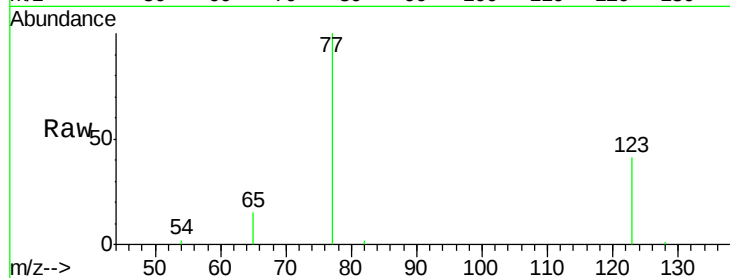
Tgt Ion: 77 Resp: 10732

Ion Ratio Lower Upper

77 100

123 43.0 34.4 51.6

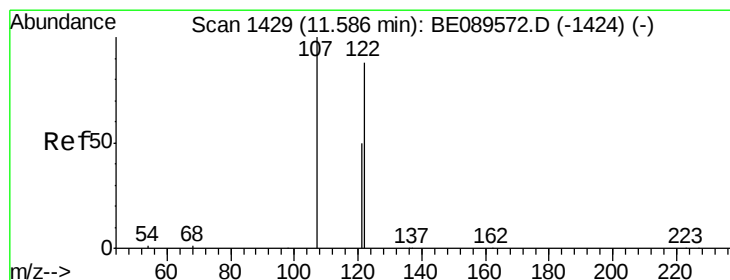
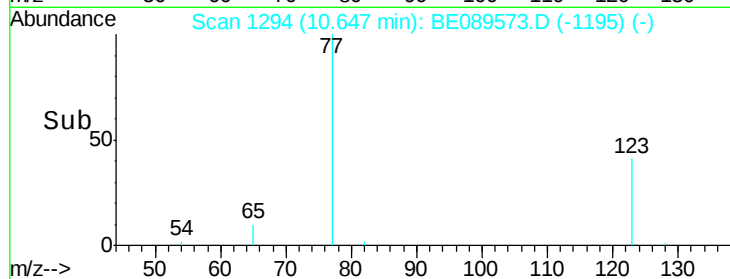
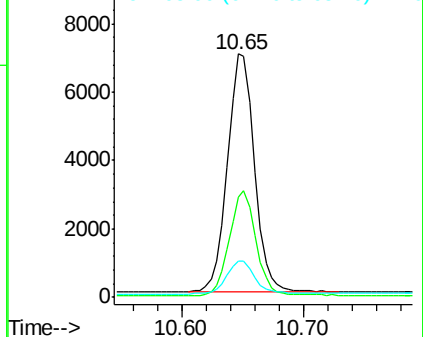
65 14.5 11.4 17.2



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: 0.77 ng

RT: 11.59 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

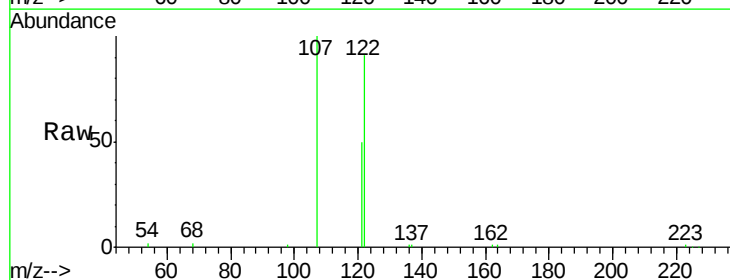
Tgt Ion: 122 Resp: 13985

Ion Ratio Lower Upper

122 100

107 110.0 90.9 136.3

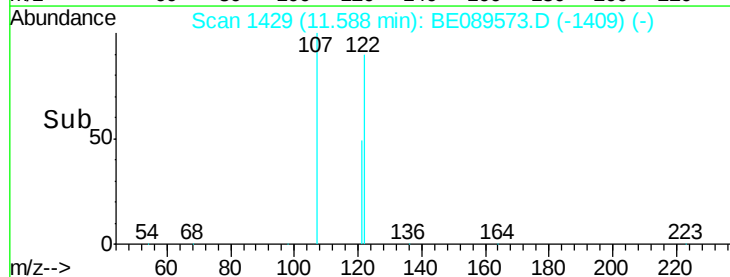
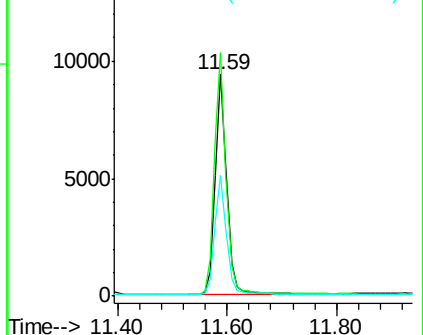
121 54.5 45.4 68.2

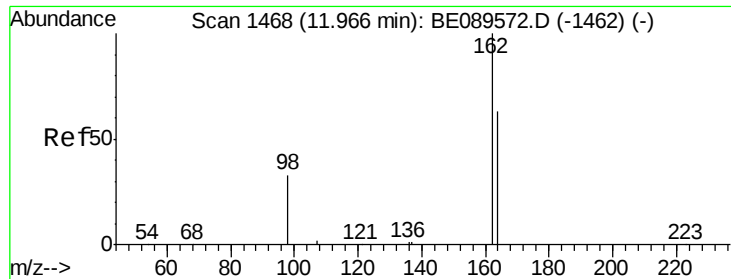


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

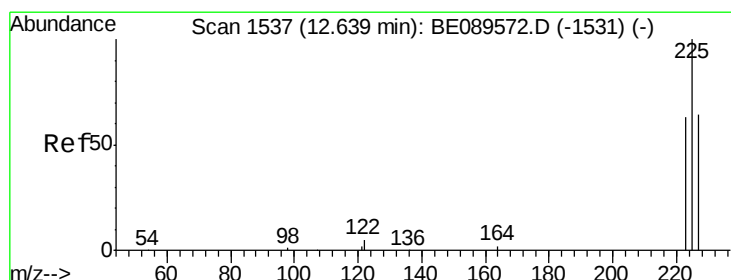
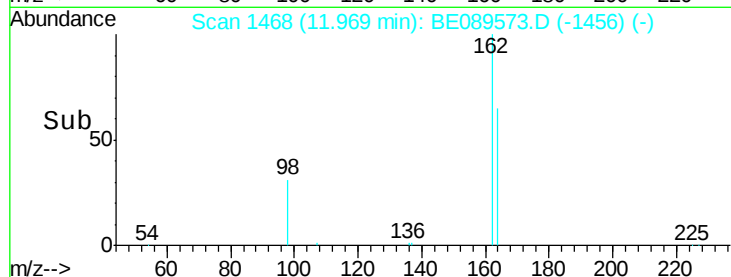
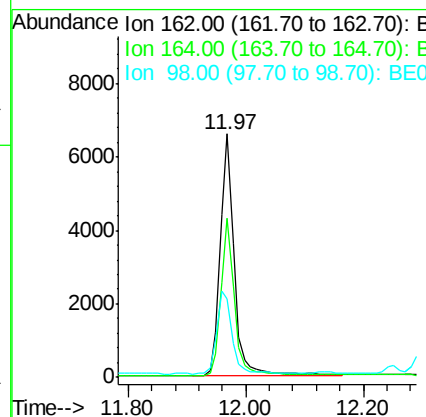
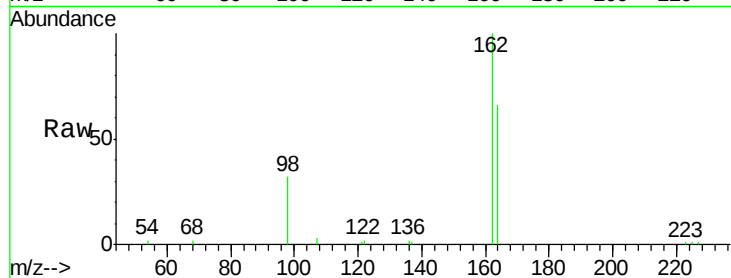




#11
2,4-Dichlorophenol
Concen: 0.77 ng
RT: 11.97 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

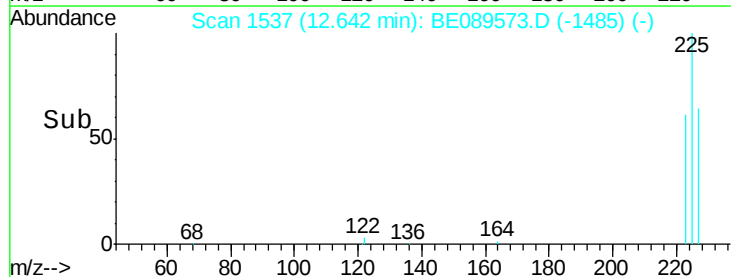
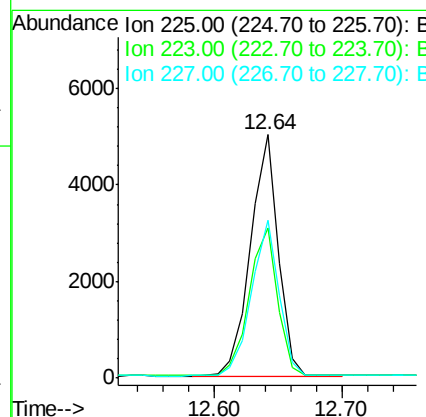
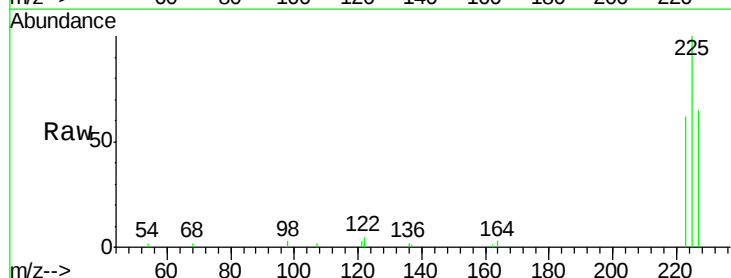
Instrument :
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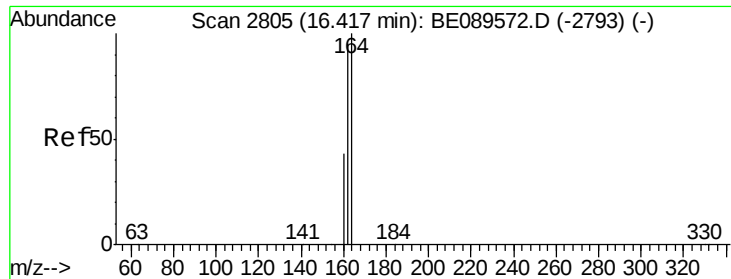
Tgt Ion:162 Resp: 10861
Ion Ratio Lower Upper
162 100
164 65.6 43.4 83.4
98 32.2 14.6 54.6



#12
Hexachlorobutadiene
Concen: 0.84 ng
RT: 12.64 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Tgt Ion:225 Resp: 7562
Ion Ratio Lower Upper
225 100
223 62.9 50.4 75.6
227 63.7 51.0 76.6





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

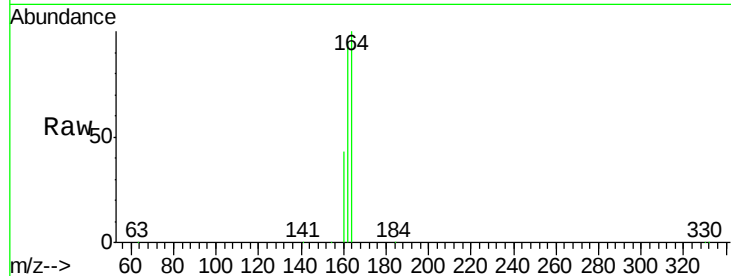
Tgt Ion:164 Resp: 145132

Ion Ratio Lower Upper

164 100

162 95.0 76.2 114.4

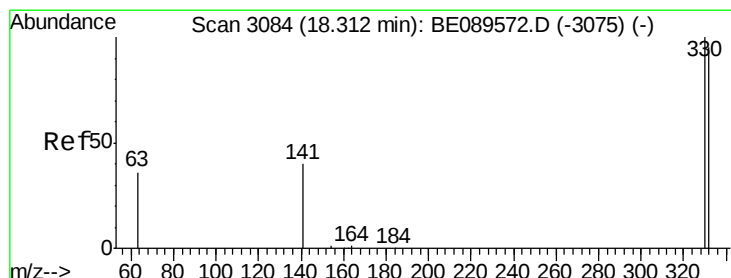
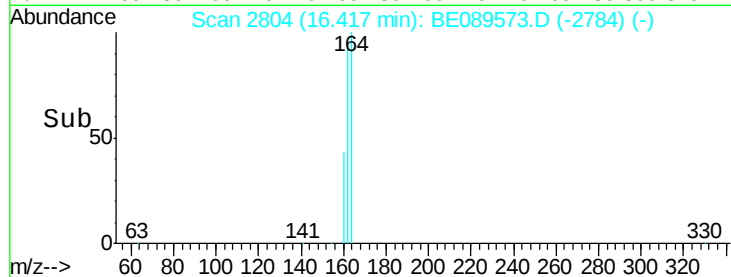
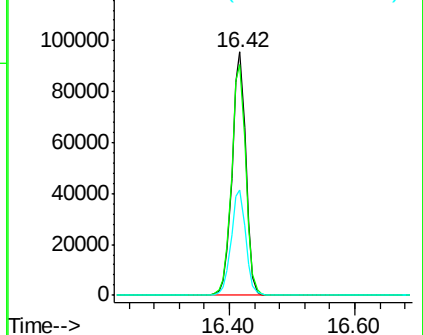
160 43.2 34.7 52.1



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: 0.68 ng

RT: 18.31 min Scan# 3083

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

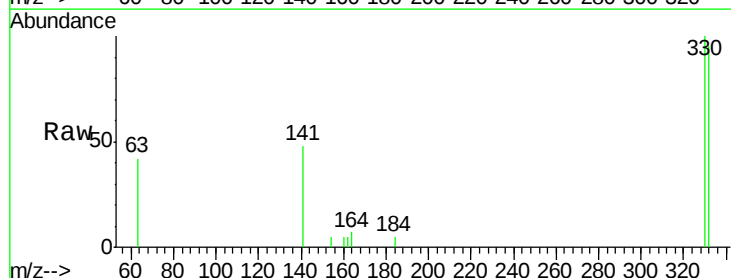
Tgt Ion:330 Resp: 2374

Ion Ratio Lower Upper

330 100

332 97.1 78.3 117.5

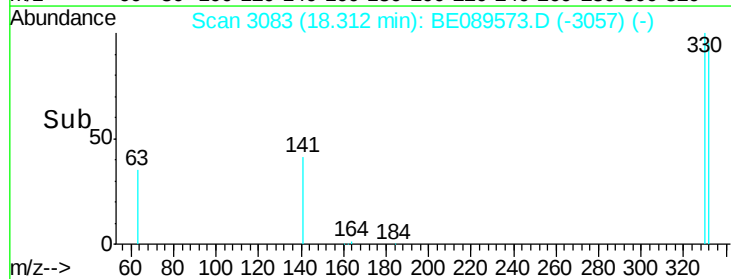
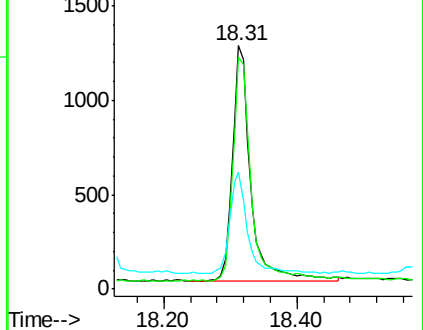
141 42.9 33.4 50.0

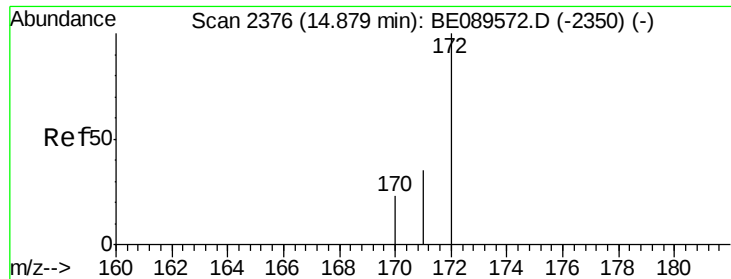


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

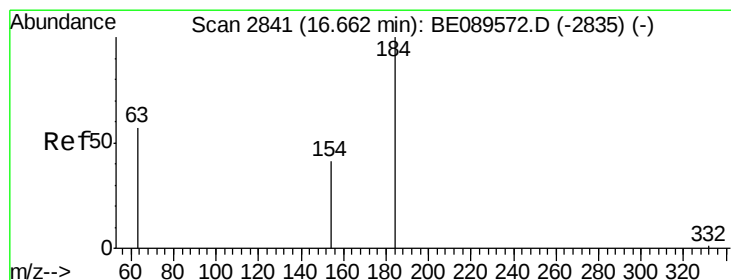
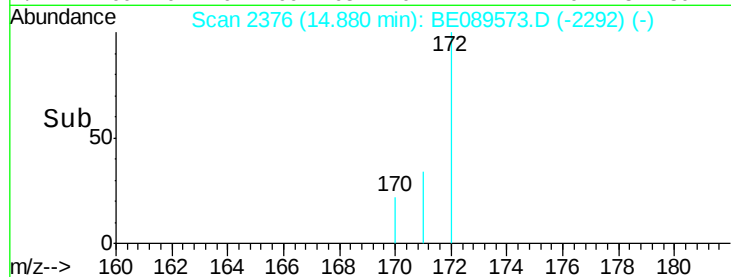
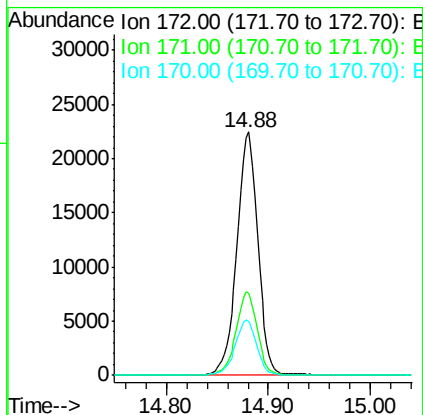
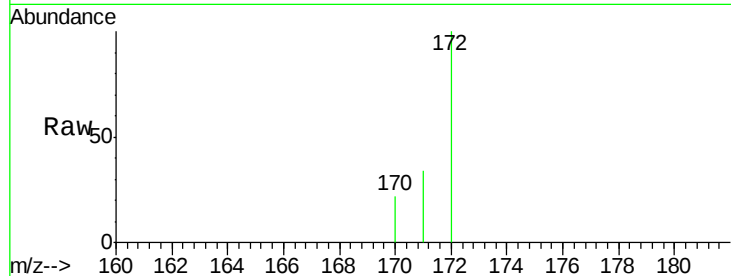




#15
2-Fluorobiphenyl
Concen: 0.82 ng
RT: 14.88 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

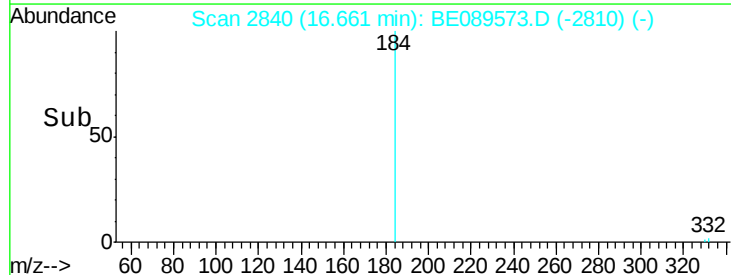
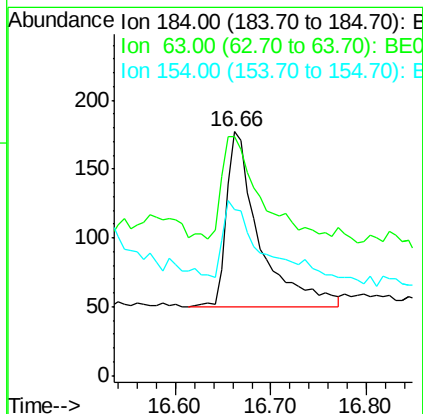
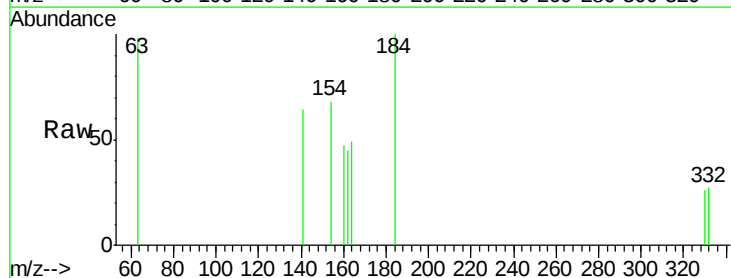
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

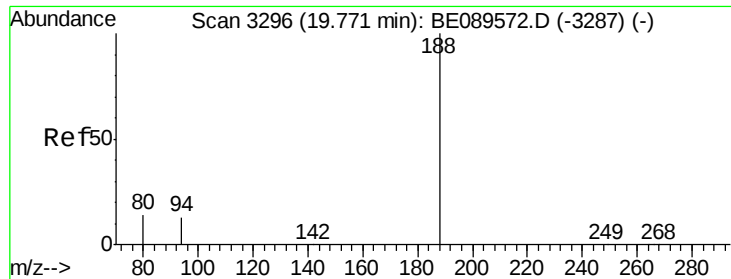
Tgt Ion:172 Resp: 32087
Ion Ratio Lower Upper
172 100
171 33.9 27.8 41.6
170 22.5 18.5 27.7



#16
2,4-Dinitrophenol
Concen: 0.51 ng
RT: 16.66 min Scan# 2840
Delta R.T. -0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Tgt Ion:184 Resp: 307
Ion Ratio Lower Upper
184 100
63 98.3 70.8 106.2
154 68.4 52.9 79.3

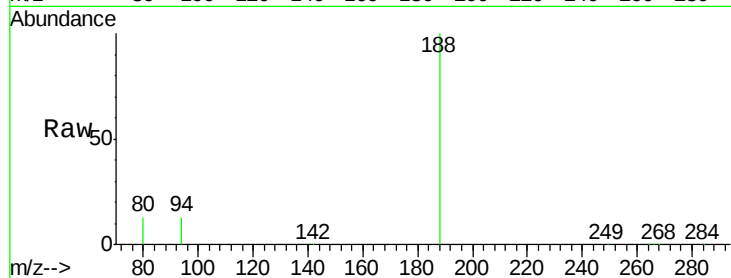




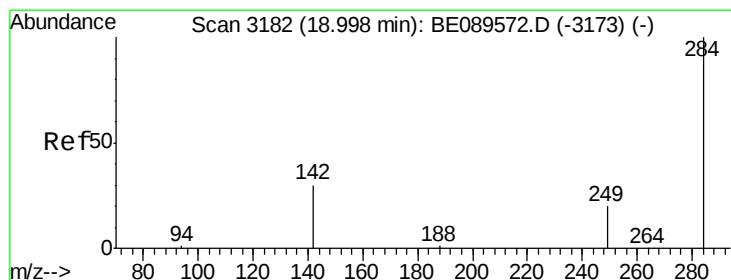
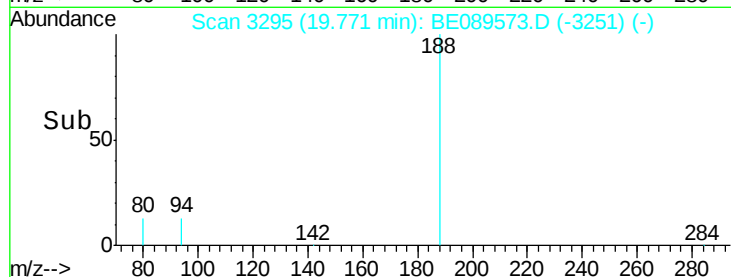
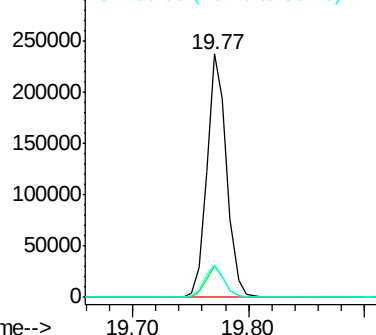
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3295
Delta R.T. -0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tgt Ion:188 Resp: 281319
Ion Ratio Lower Upper
188 100
94 12.6 10.2 15.4
80 13.4 11.0 16.6

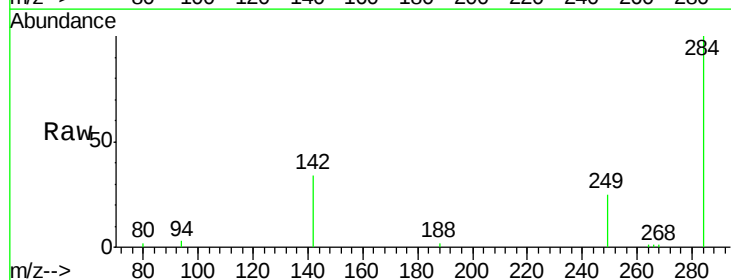


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

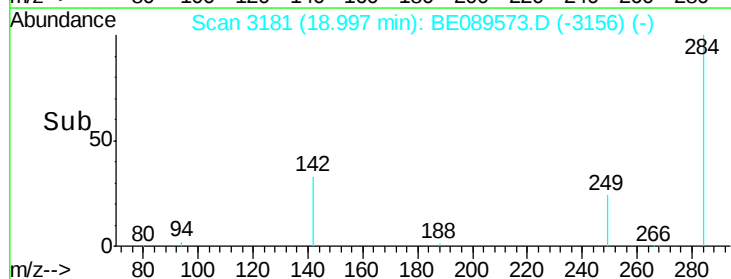
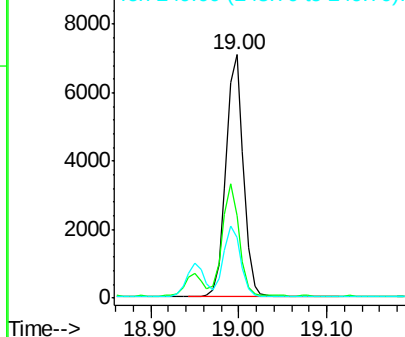


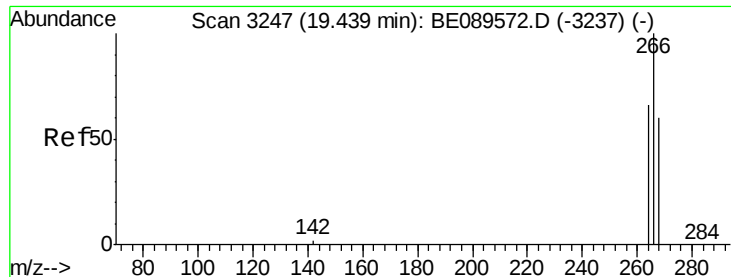
#18
Hexachlorobenzene
Concen: 0.82 ng
RT: 19.00 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Tgt Ion:284 Resp: 9691
Ion Ratio Lower Upper
284 100
142 34.0 27.6 41.4
249 24.6 20.0 30.0



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: 0.55 ng

RT: 19.45 min Scan# 3247

Delta R.T. 0.01 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

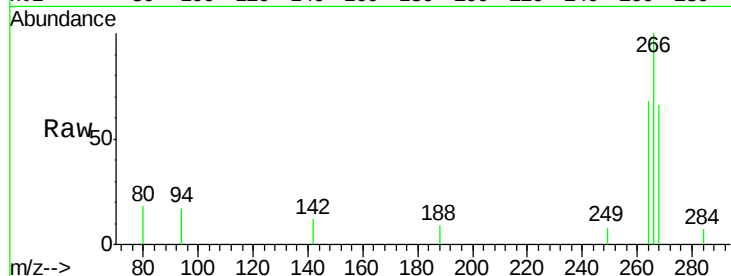
Tgt Ion:266 Resp: 1331

Ion Ratio Lower Upper

266 100

268 66.0 50.2 75.4

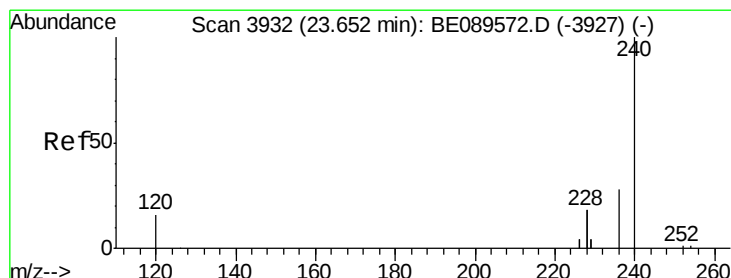
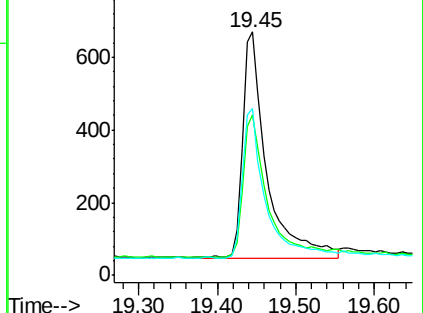
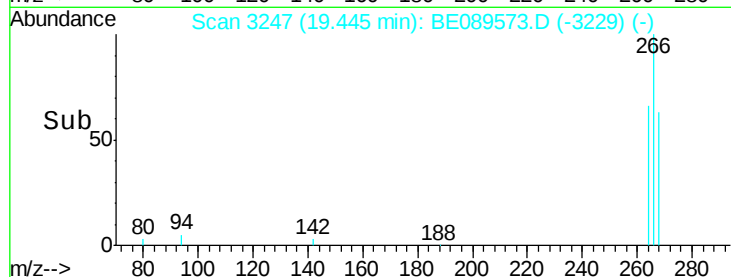
264 68.4 54.4 81.6



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: 23.66 min Scan# 3932

Delta R.T. 0.01 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

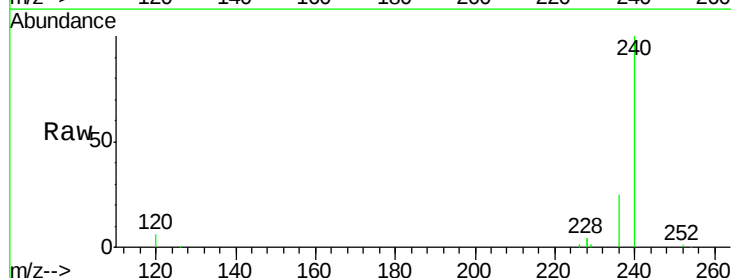
Tgt Ion:240 Resp: 298228

Ion Ratio Lower Upper

240 100

120 5.5 12.7 19.1#

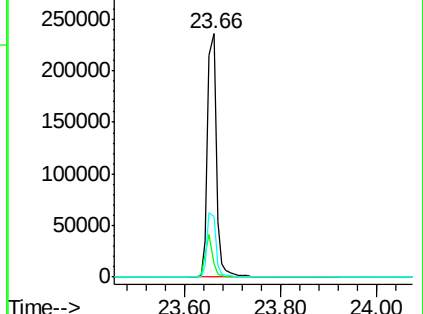
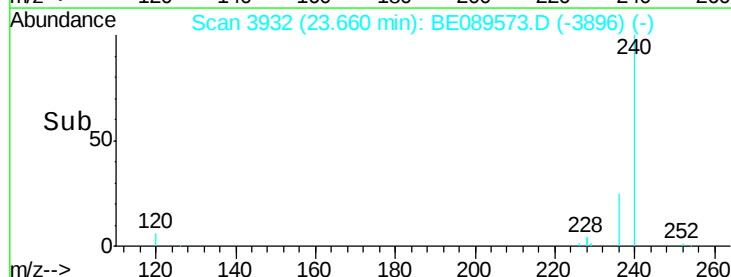
236 24.6 22.7 34.1

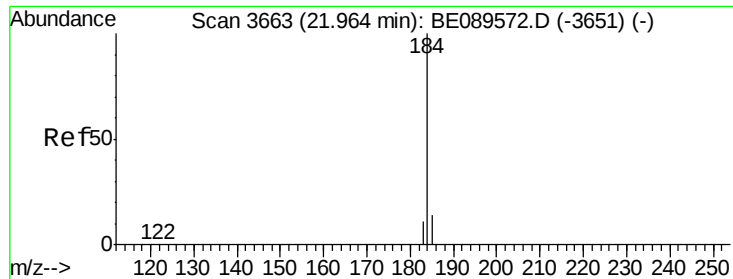


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 0.53 ng

RT: 21.96 min Scan# 3662

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

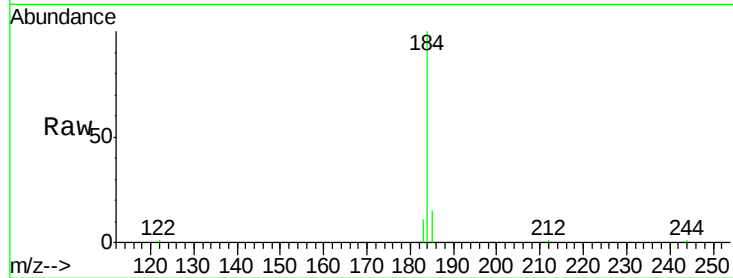
Tgt Ion:184 Resp: 16556

Ion Ratio Lower Upper

184 100

185 14.5 11.7 17.5

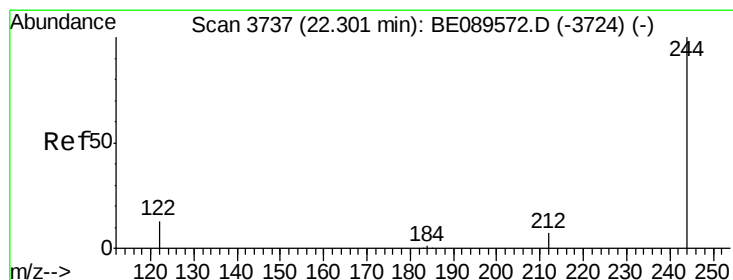
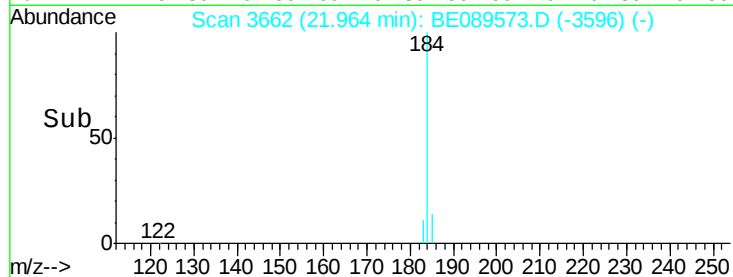
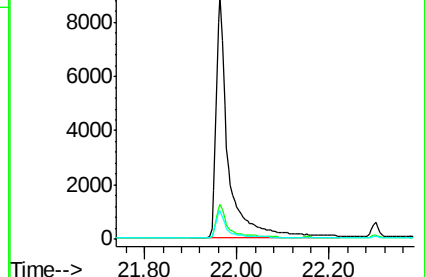
183 11.5 8.9 13.3



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: 0.80 ng

RT: 22.30 min Scan# 3736

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

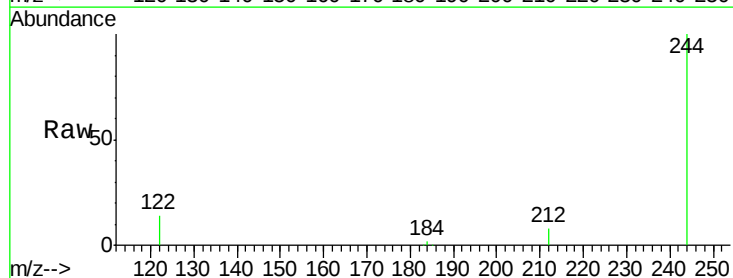
Tgt Ion:244 Resp: 33406

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

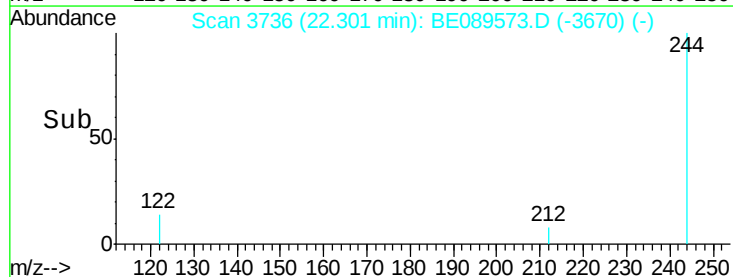
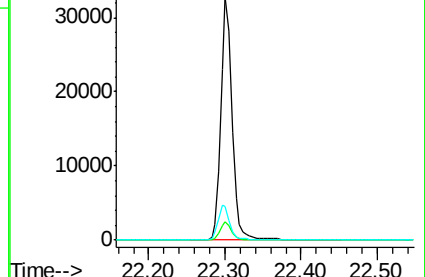
122 14.0 10.2 15.2

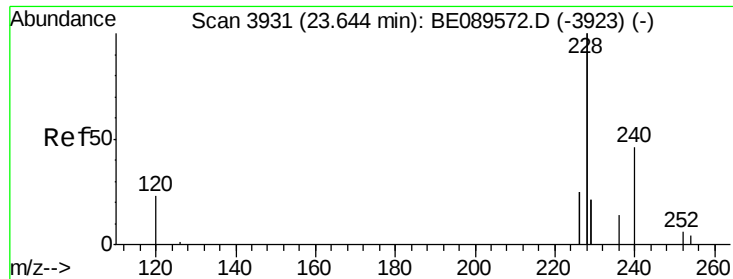


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 0.75 ng

RT: 23.64 min Scan# 3930

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

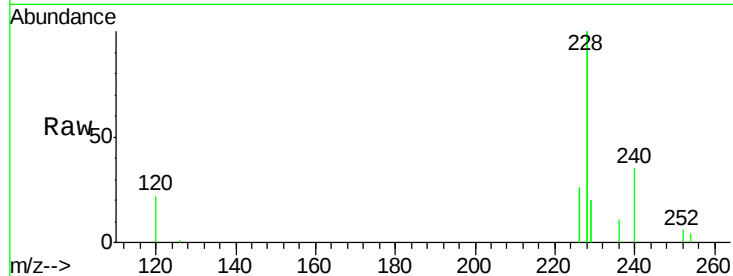
Tgt Ion:228 Resp: 228985

Ion Ratio Lower Upper

228 100

226 25.7 19.9 29.9

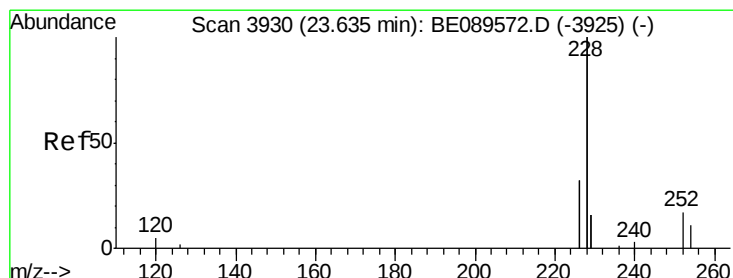
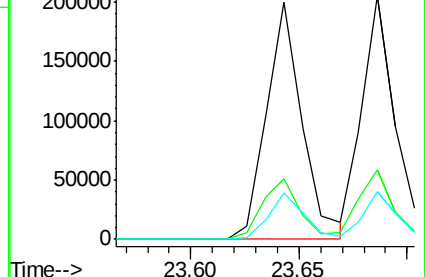
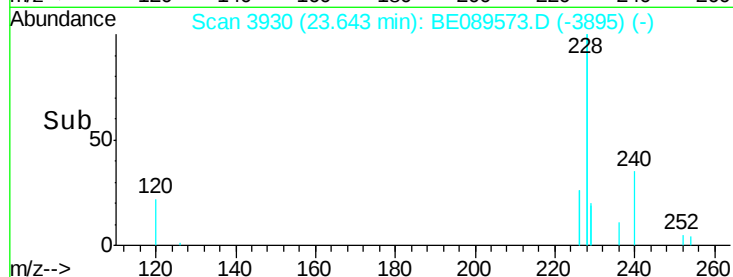
229 19.6 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

3,3'-Dichlorobenzidine

Concen: 0.60 ng

RT: 23.63 min Scan# 3929

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

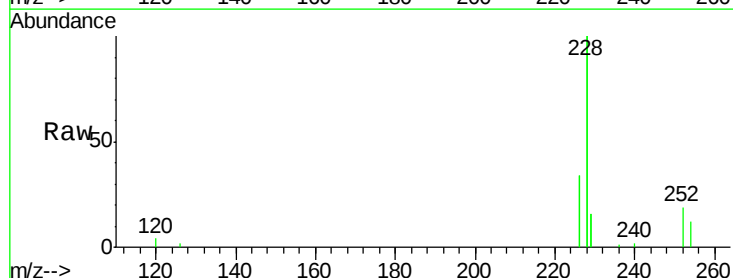
Tgt Ion:252 Resp: 14433

Ion Ratio Lower Upper

252 100

254 63.9 51.0 76.4

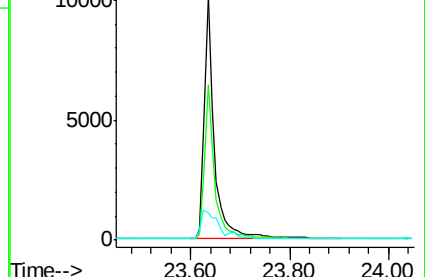
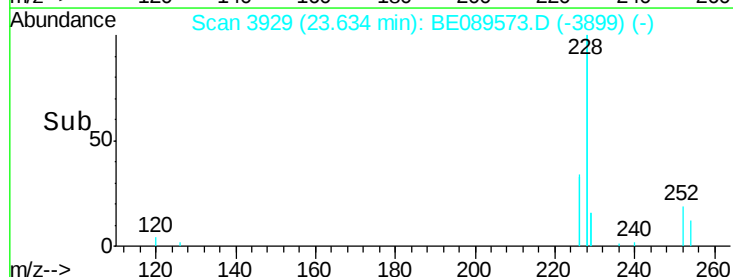
126 11.3 8.3 12.5

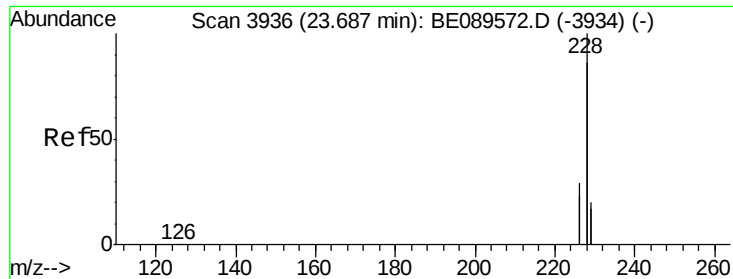


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.84 ng

RT: 23.69 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

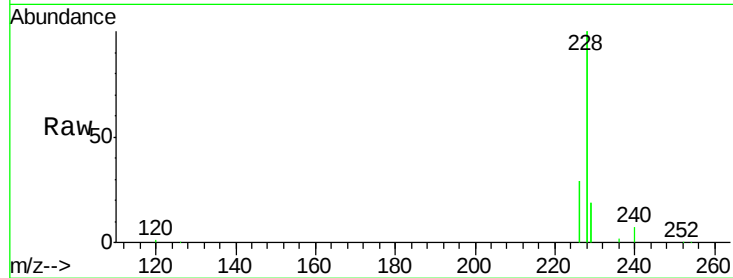
Tgt Ion:228 Resp: 236177

Ion Ratio Lower Upper

228 100

226 28.7 22.9 34.3

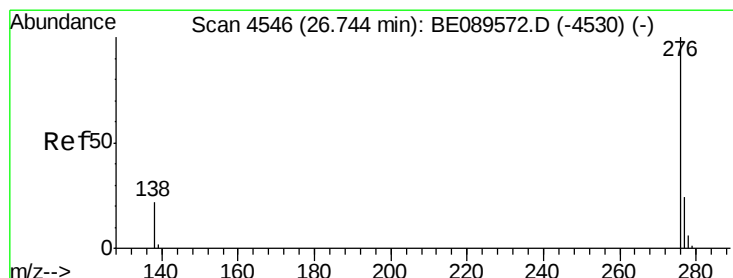
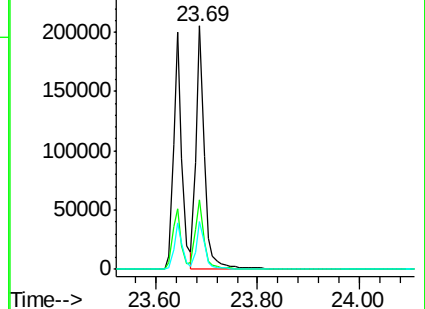
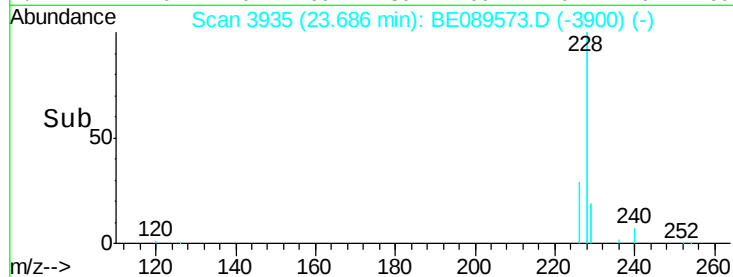
229 19.4 15.8 23.6



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: 0.70 ng

RT: 26.75 min Scan# 4546

Delta R.T. 0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

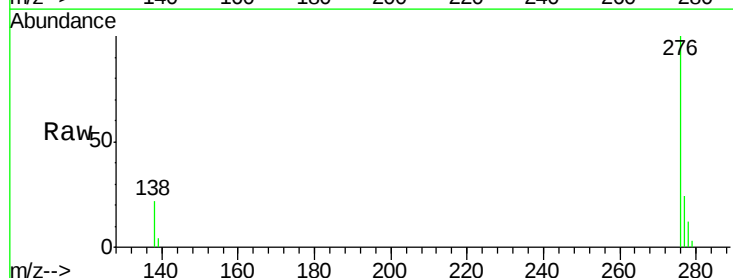
Tgt Ion:276 Resp: 54603

Ion Ratio Lower Upper

276 100

138 26.5 22.1 33.1

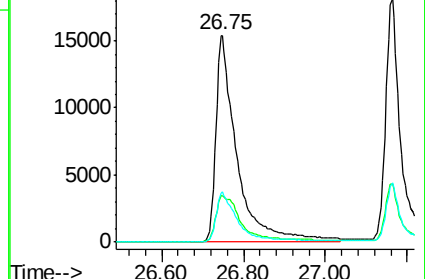
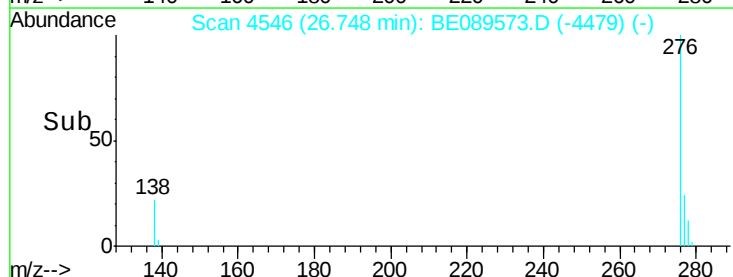
277 24.6 19.4 29.2

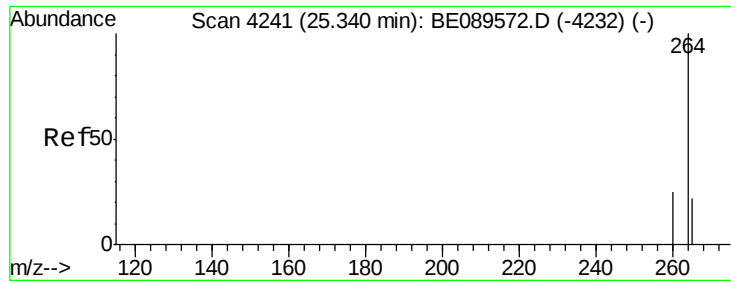


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

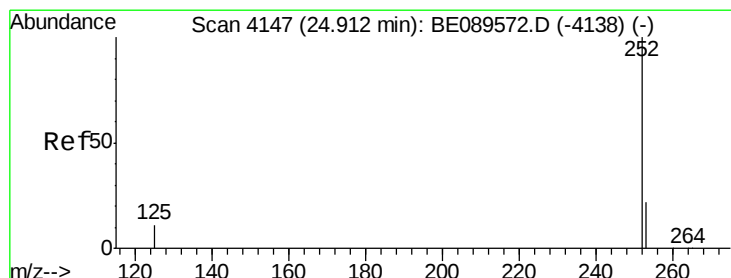
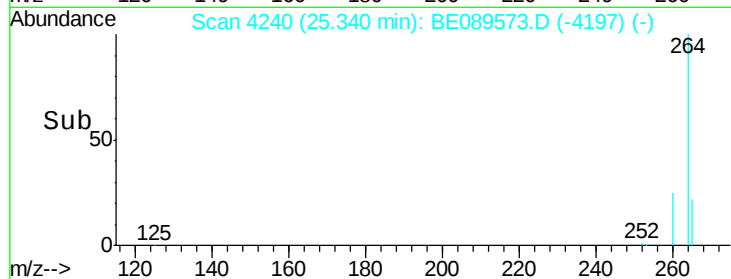
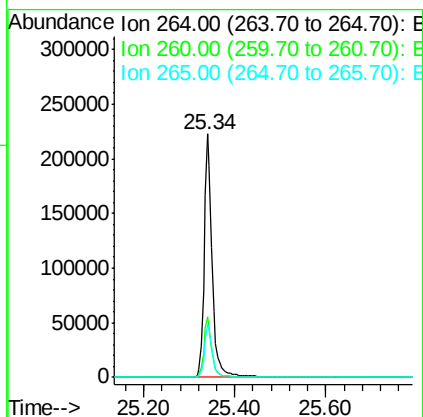
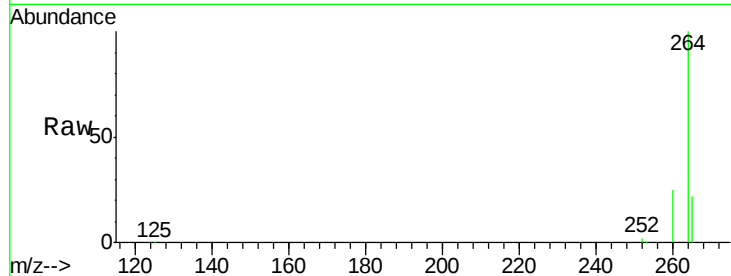




#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4240
 Delta R.T. 0.00 min
 Lab File: BE089573.D
 Acq: 16 Feb 2015 17:11

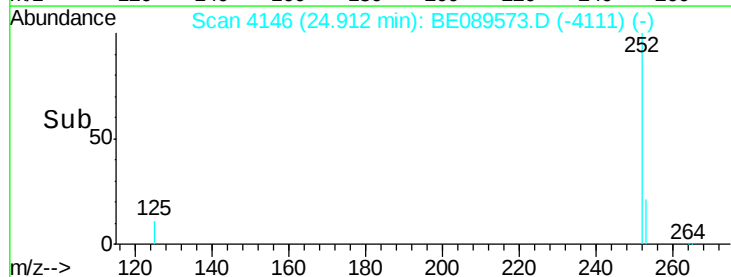
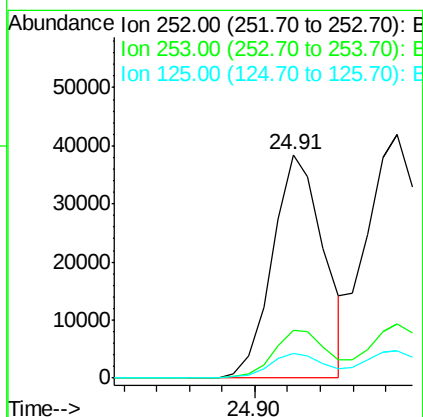
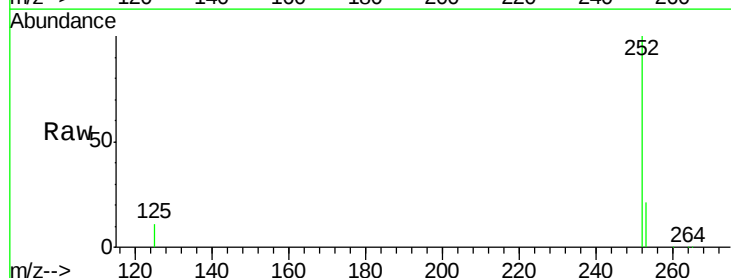
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

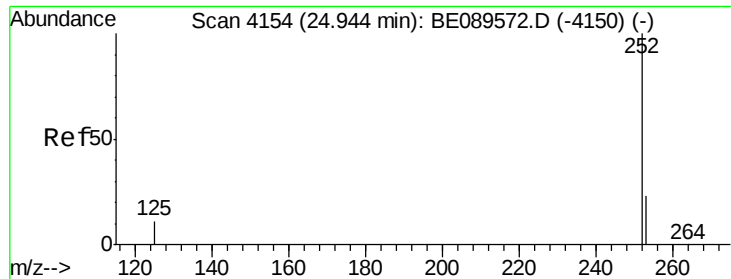
Tgt Ion: 264 Resp: 274009
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.8 29.6
 265 21.6 17.5 26.3



#28
 Benzo(b)fluoranthene
 Concen: 0.65 ng
 RT: 24.91 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: BE089573.D
 Acq: 16 Feb 2015 17:11

Tgt Ion: 252 Resp: 41932
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.5 26.3
 125 11.3 9.0 13.4





#29

Benzo(k)fluoranthene

Concen: 0.83 ng

RT: 24.94 min Scan# 4153

Delta R.T. 0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

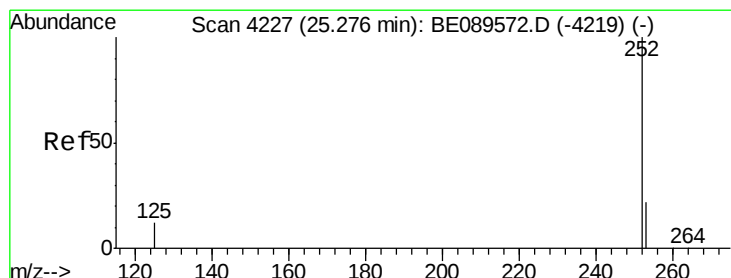
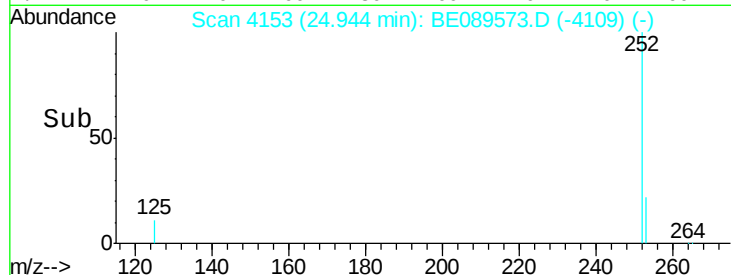
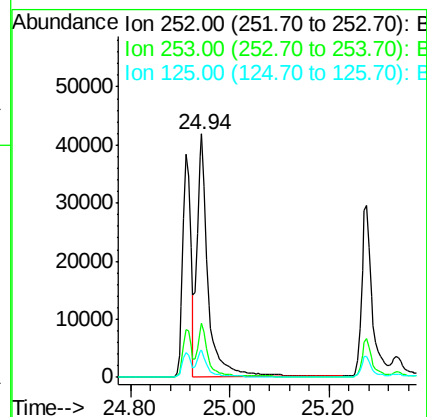
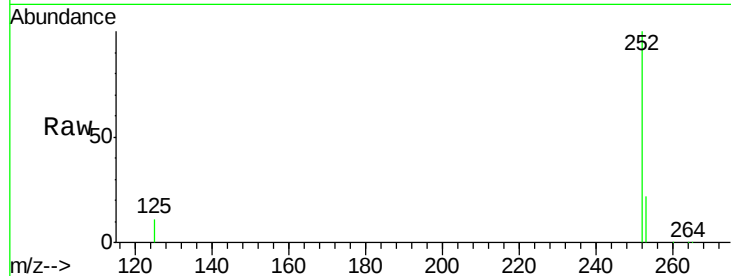
Tgt Ion:252 Resp: 64378

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 11.2 8.9 13.3



#30

Benzo(a)pyrene

Concen: 0.68 ng

RT: 25.28 min Scan# 4226

Delta R.T. 0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

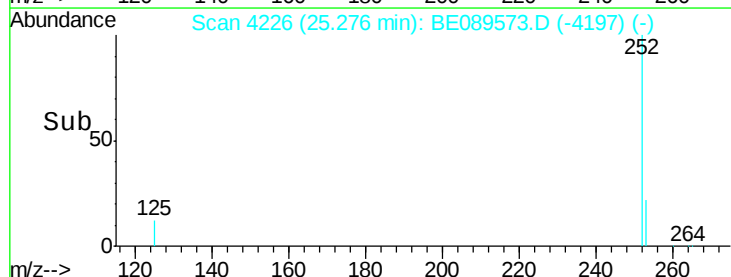
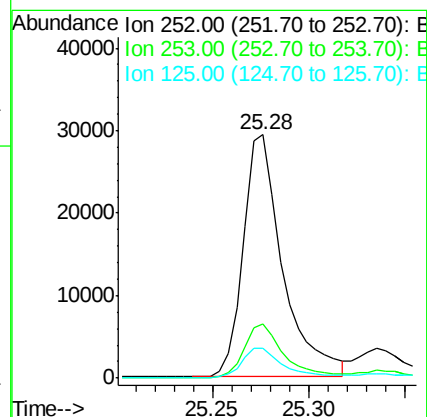
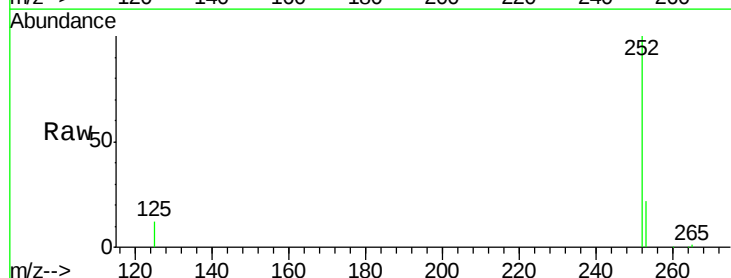
Tgt Ion:252 Resp: 41686

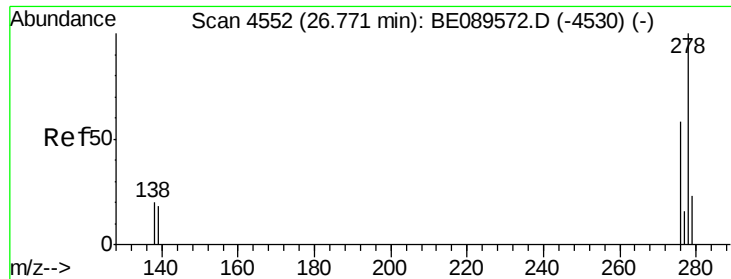
Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 12.1 9.5 14.3





#31

Dibenzo(a,h)anthracene

Concen: 0.68 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BE089573.D

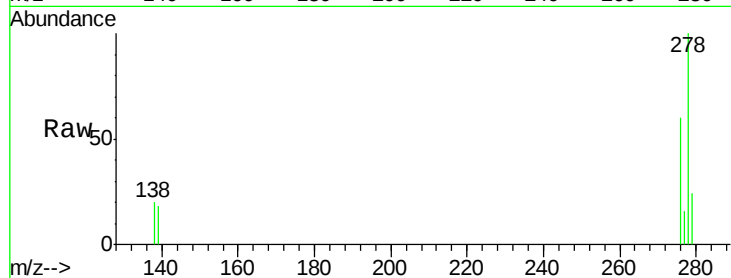
Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8



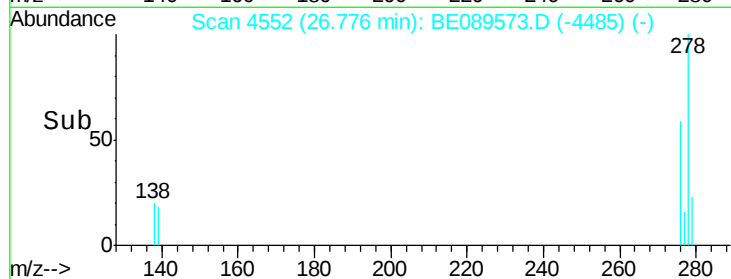
Tgt Ion: 278 Resp: 42596

Ion Ratio Lower Upper

278 100

139 18.3 14.7 22.1

279 23.9 19.0 28.4



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

