

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012815\
 Data File : BE089395.D
 Acq On : 28 Jan 2015 19:13
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Jan 29 01:21:00 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 01:08:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	119094	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	429231	5.00	ng	0.00
13) Acenaphthene-d10	12.21	164	9835	5.00	ng	0.00
17) Phenanthrene-d10	19.98	188	360691	5.00	ng	0.00
20) Chrysene-d12	23.84	240	428767	5.00	ng	0.00
27) Perylene-d12	25.55	264	440897	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.73	112	28122	0.70	ng	0.00
4) Phenol-d6	8.84	99	35732	0.72	ng	0.00
8) Nitrobenzene-d5	10.84	82	23028	0.69	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	3208	4.63	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	41387	4.37	ng	0.00
22) Terphenyl-d14	22.48	244	41189	1.05	ng	0.00

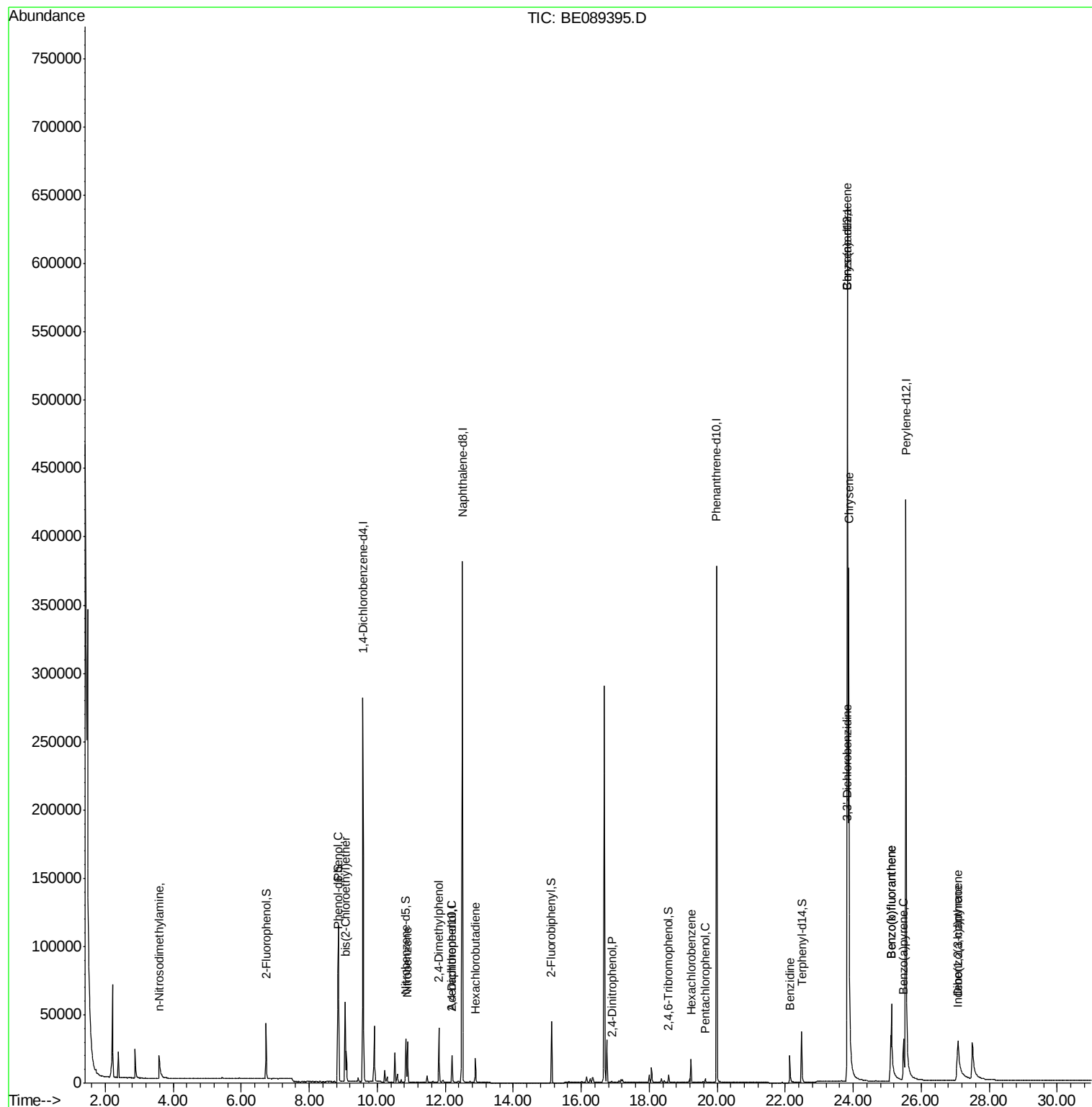
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.58	42	14865	0.75	ng	# 53
5) Phenol	8.86	94	38251	0.77	ng	100
6) bis(2-Chloroethyl)ether	9.06	93	28965	0.77	ng	# 100
9) Nitrobenzene	10.89	77	26293	0.71	ng	99
10) 2,4-Dimethylphenol	11.82	122	20139	0.65	ng	99
11) 2,4-Dichlorophenol	12.21	162	15604	0.72	ng	98
12) Hexachlorobutadiene	12.89	225	10862	0.76	ng	100
16) 2,4-Dinitrophenol	16.90	184	564	2.86	ng	96
18) Hexachlorobenzene	19.23	284	12746	0.71	ng	95
19) Pentachlorophenol	19.65	266	1796	0.58	ng	99
21) Benzidine	22.14	184	23722	0.71	ng	99
23) Benzo(a)anthracene	23.83	228	304482	1.02	ng	100
24) 3,3'-Dichlorobenzidine	23.81	252	21110	0.79	ng	99
25) Chrysene	23.87	228	383711	0.79	ng	100
26) Indeno(1,2,3-cd)pyrene	27.06	276	65285	0.38	ng	# 100
28) Benzo(b)fluoranthene	25.13	252	156155	5.23	ng	99
29) Benzo(k)fluoranthene	25.13	252	157740	2.33	ng	99
30) Benzo(a)pyrene	25.48	252	47690	1.20	ng	99
31) Dibenzo(a,h)anthracene	27.08	278	46756	1.46	ng	99

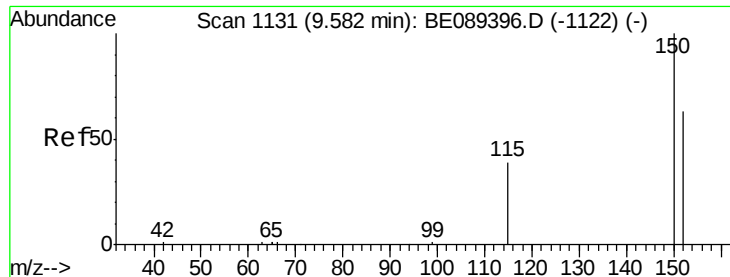
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

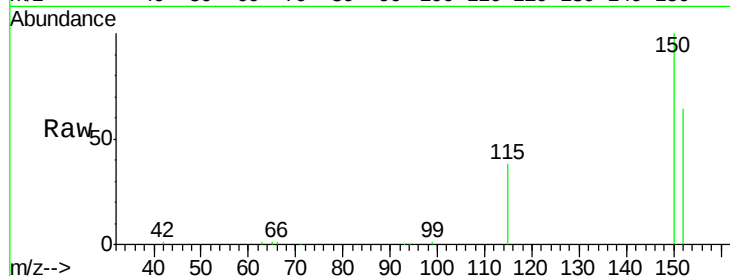
Tgt Ion:152 Resp: 119094

Ion Ratio Lower Upper

152 100

150 156.5 127.2 190.8

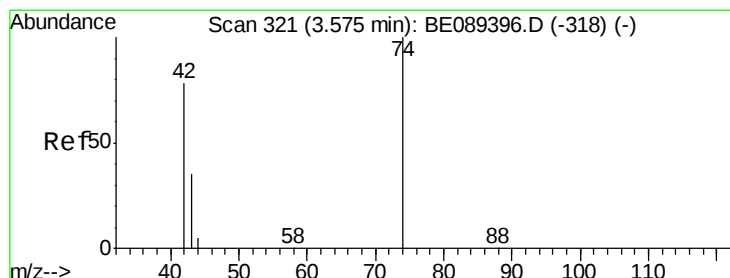
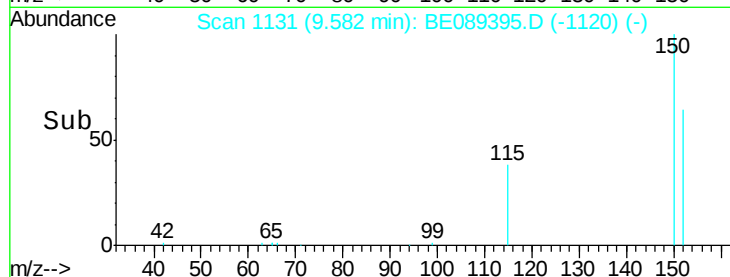
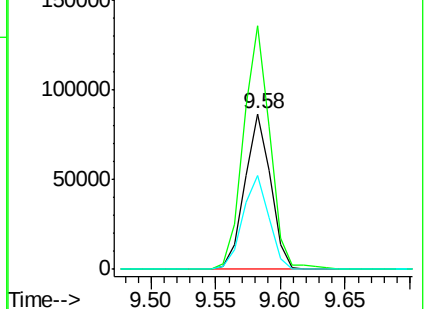
115 60.0 49.3 73.9



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: 0.75 ng

RT: 3.58 min Scan# 321

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

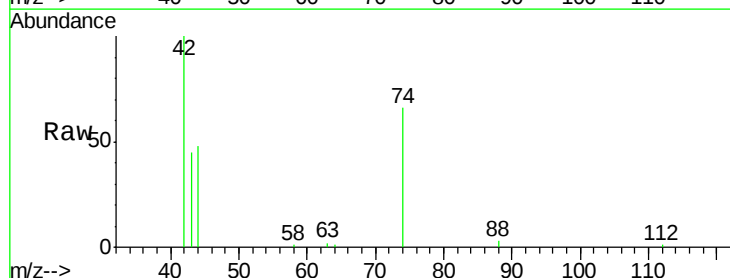
Tgt Ion: 42 Resp: 14865

Ion Ratio Lower Upper

42 100

74 66.0 101.2 151.8#

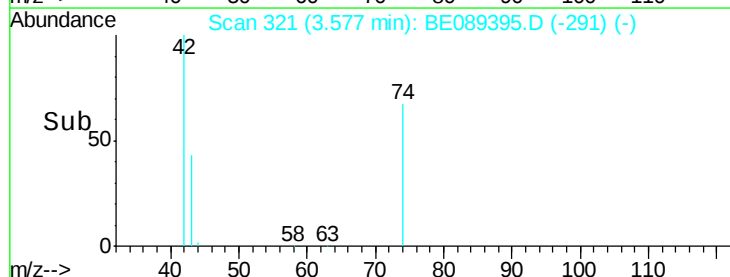
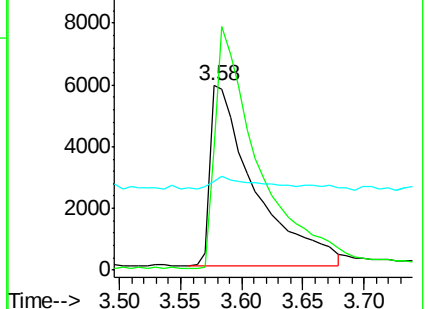
44 47.8 26.4 39.6#

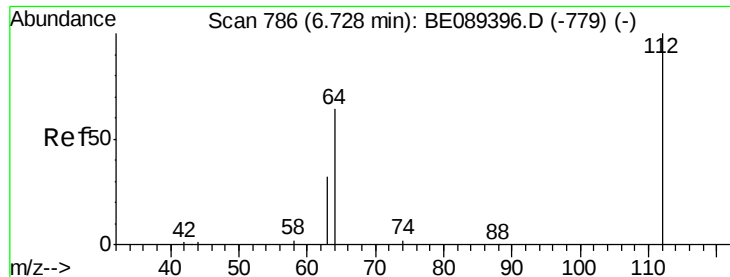


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

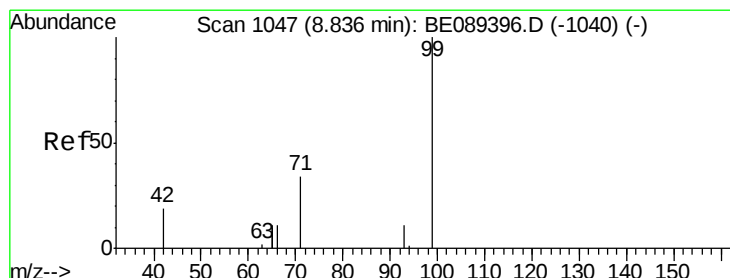
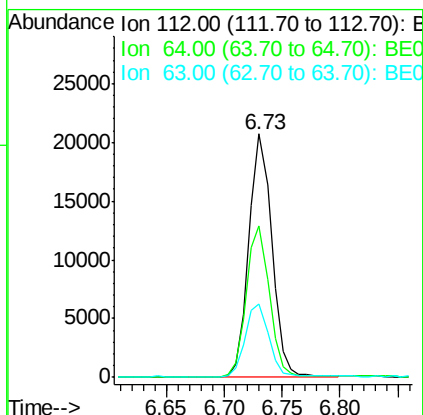
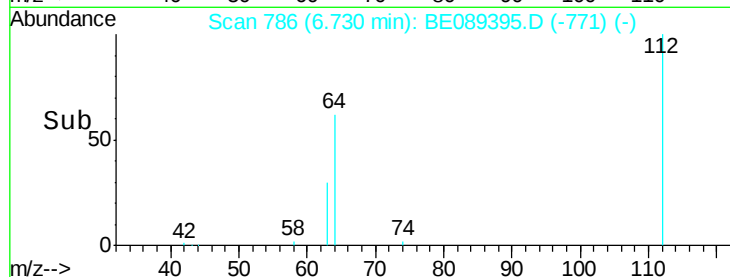
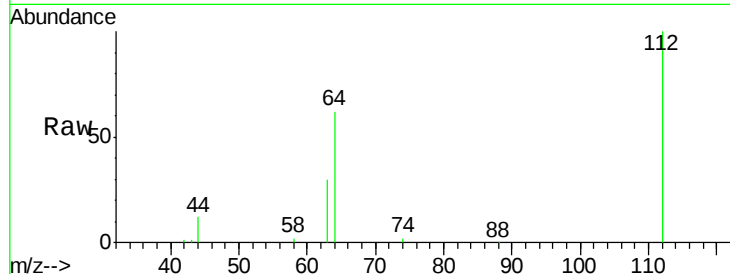




#3
 2-Fluorophenol
 Concen: 0.70 ng
 RT: 6.73 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BE089395.D
 Acq: 28 Jan 2015 19:13

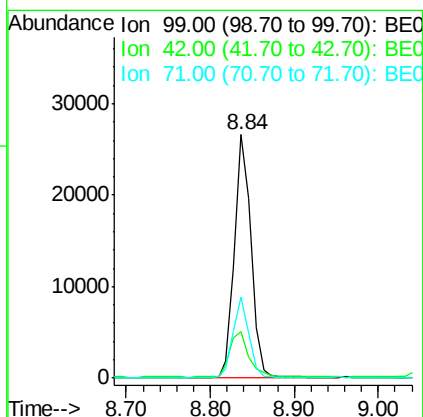
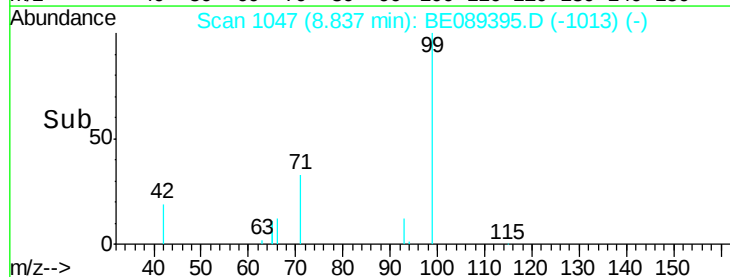
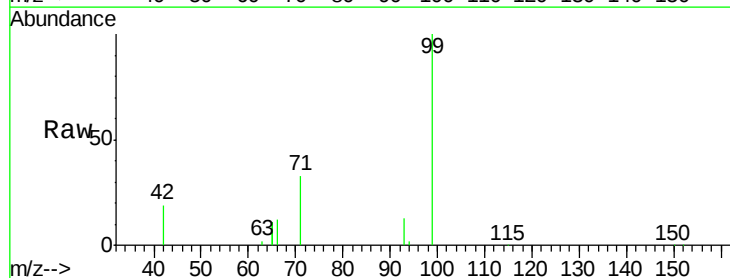
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

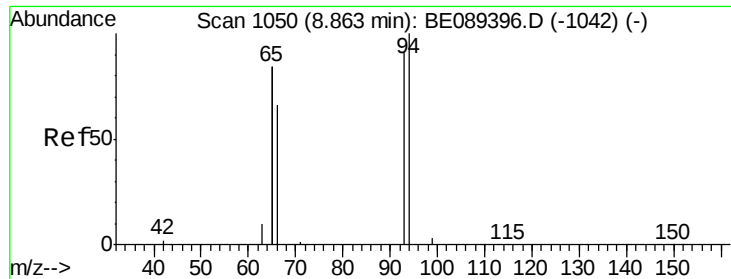
Tgt Ion:	112	Resp:	28122
Ion	Ratio	Lower	Upper
112	100		
64	62.2	51.7	77.5
63	30.1	25.7	38.5



#4
 Phenol-d6
 Concen: 0.72 ng
 RT: 8.84 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BE089395.D
 Acq: 28 Jan 2015 19:13

Tgt Ion:	99	Resp:	35732
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.3	22.9
71	33.2	27.0	40.6





#5

Phenol

Concen: 0.77 ng

RT: 8.86 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

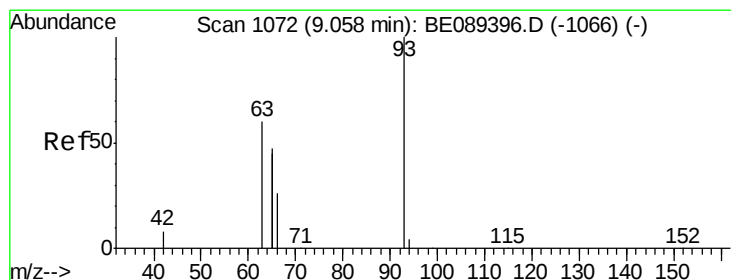
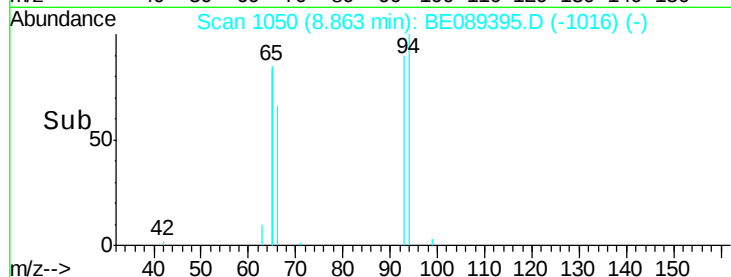
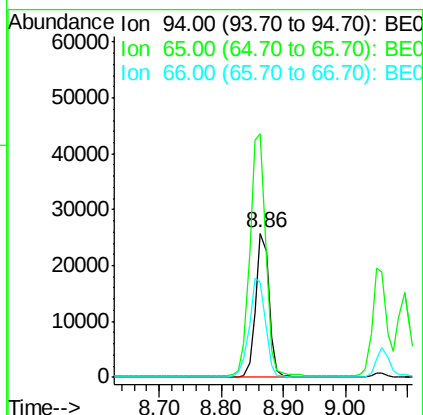
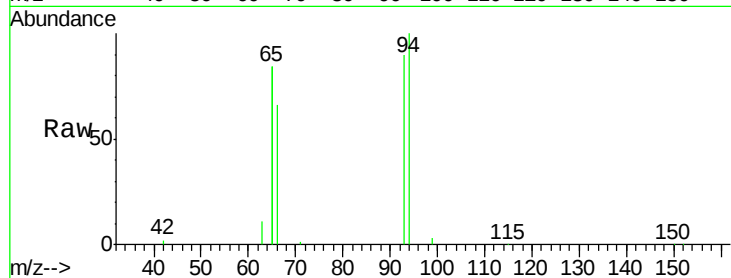
Tgt Ion: 94 Resp: 38251

Ion Ratio Lower Upper

94 100

65 168.9 148.6 188.6

66 65.9 46.2 86.2



#6

bis(2-Chloroethyl)ether

Concen: 0.77 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

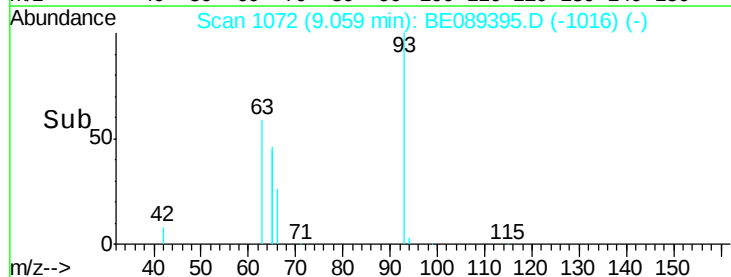
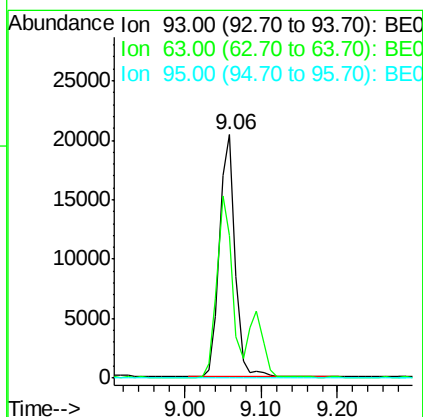
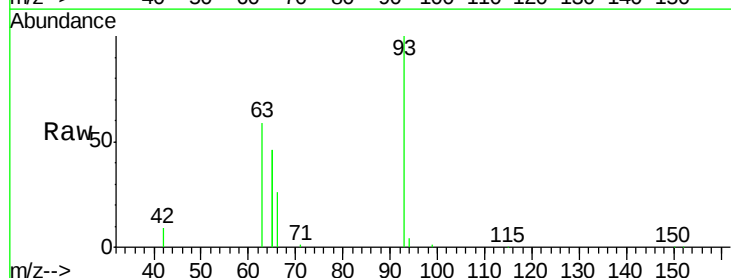
Tgt Ion: 93 Resp: 28965

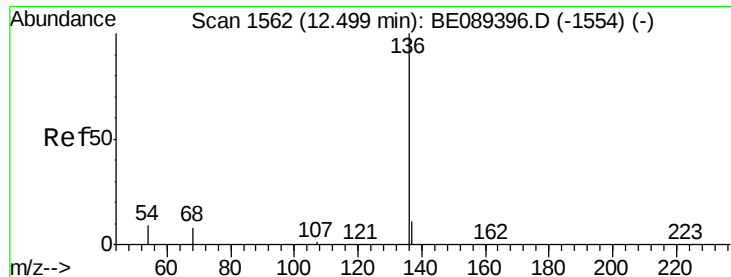
Ion Ratio Lower Upper

93 100

63 73.6 58.9 88.3

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

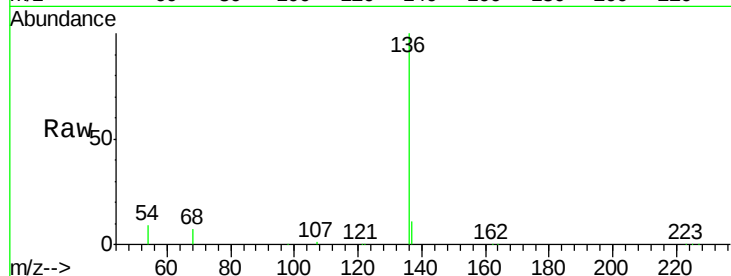
Tgt Ion: 136 Resp: 429231

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

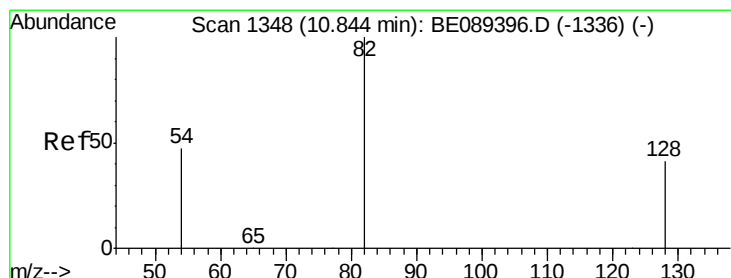
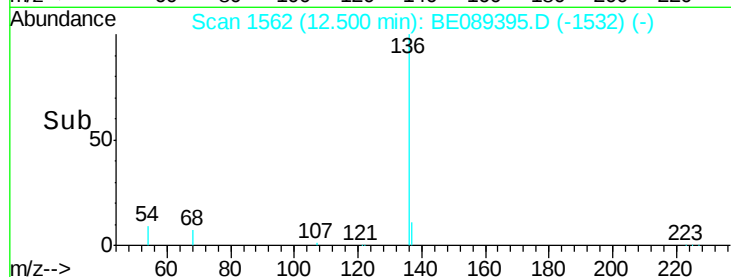
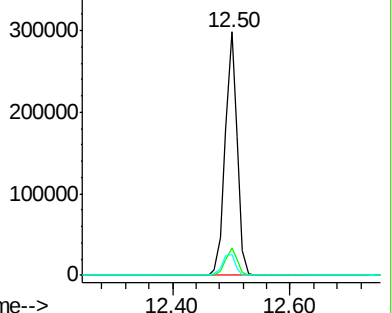
54 8.7 7.4 11.0



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: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

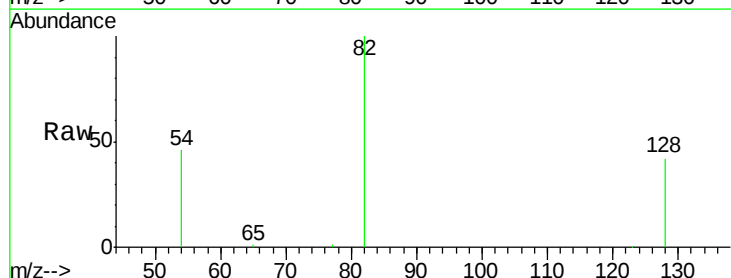
Tgt Ion: 82 Resp: 23028

Ion Ratio Lower Upper

82 100

128 42.4 33.6 50.4

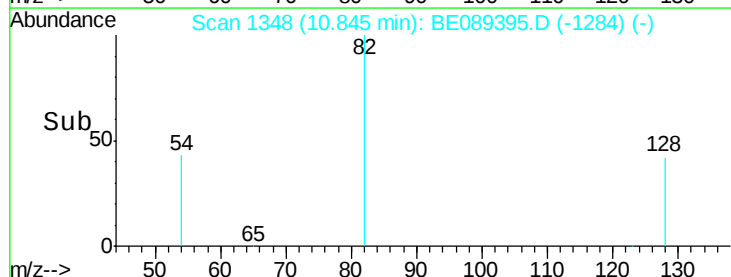
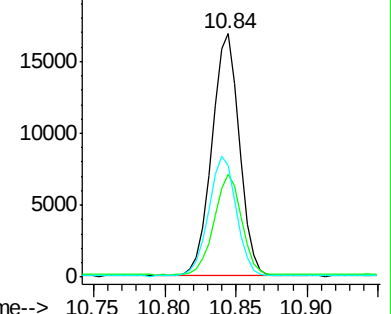
54 45.8 37.7 56.5

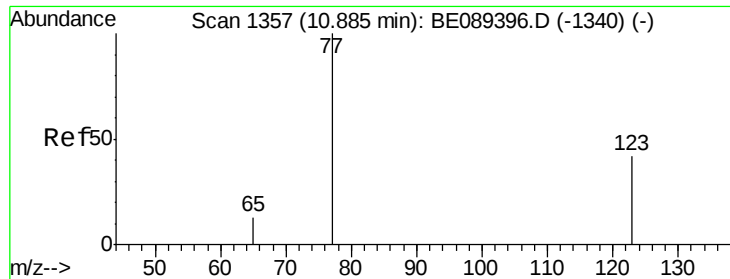


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.71 ng

RT: 10.89 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

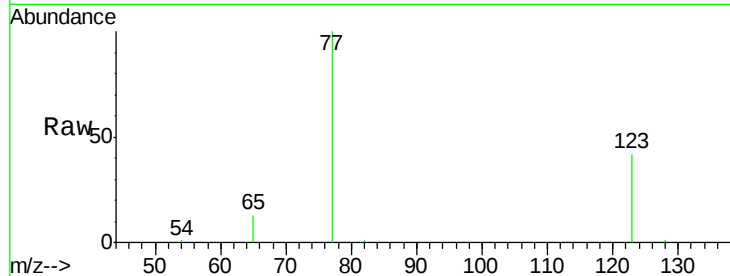
Tgt Ion: 77 Resp: 26293

Ion Ratio Lower Upper

77 100

123 43.8 34.7 52.1

65 13.2 10.6 15.8

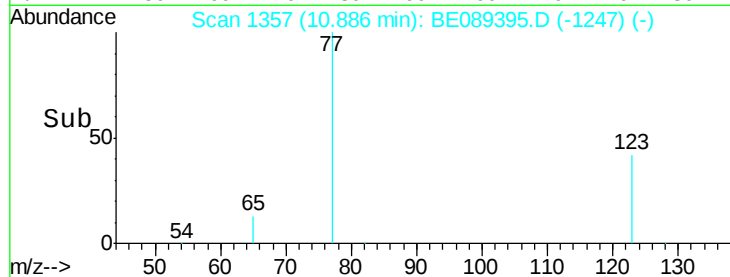


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

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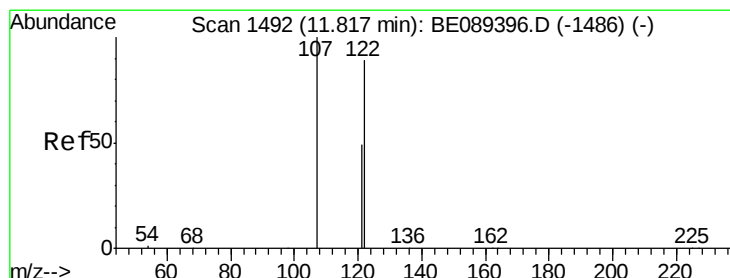
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#10

2,4-Dimethylphenol

Concen: 0.65 ng

RT: 11.82 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

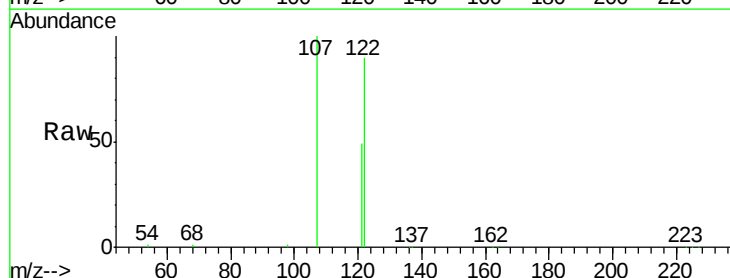
Tgt Ion: 122 Resp: 20139

Ion Ratio Lower Upper

122 100

107 110.8 89.4 134.2

121 54.3 43.6 65.4

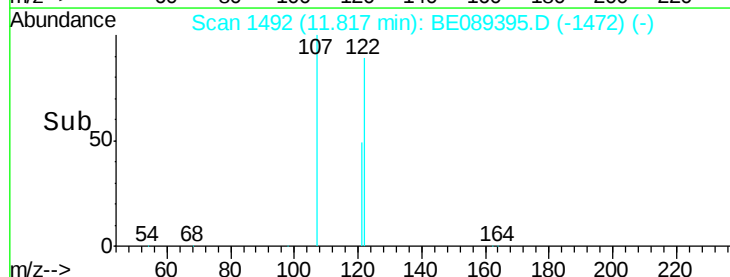


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

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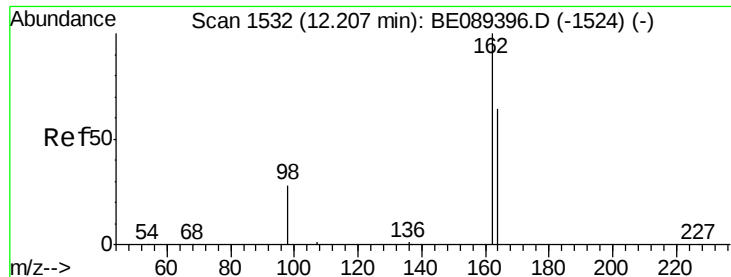
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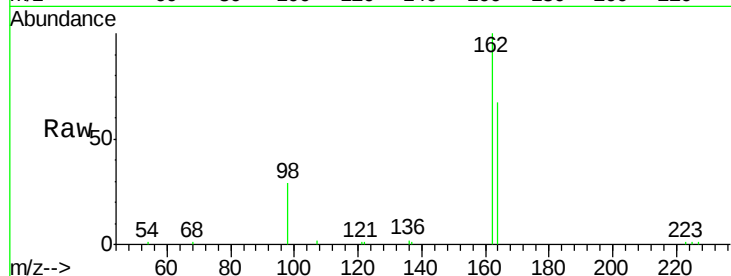
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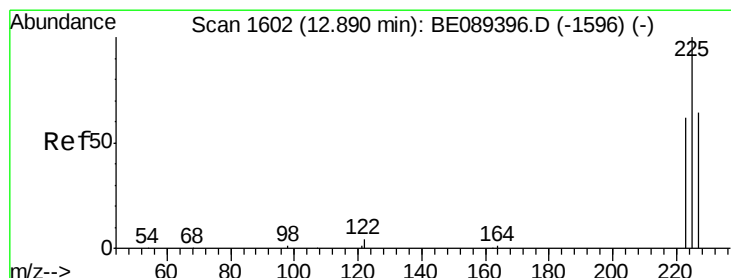
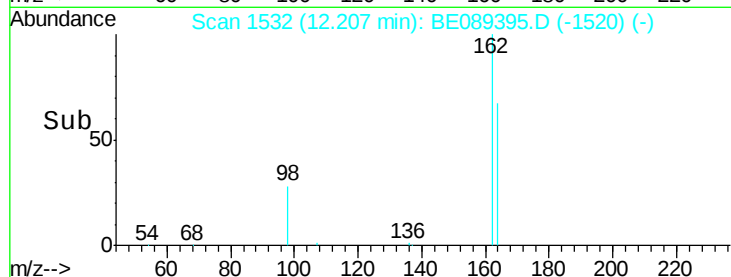
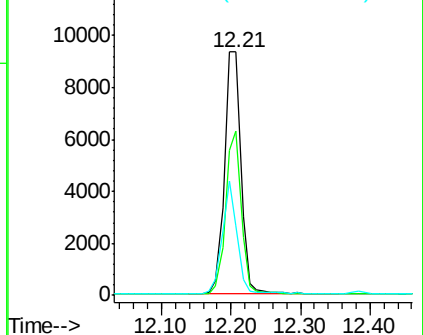
#11
 2,4-Dichlorophenol
 Concen: 0.72 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. 0.00 min
 Lab File: BE089395.D
 Acq: 28 Jan 2015 19:13

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion:162 Resp: 15604
 Ion Ratio Lower Upper
 162 100
 164 67.4 44.6 84.6
 98 28.7 8.7 48.7

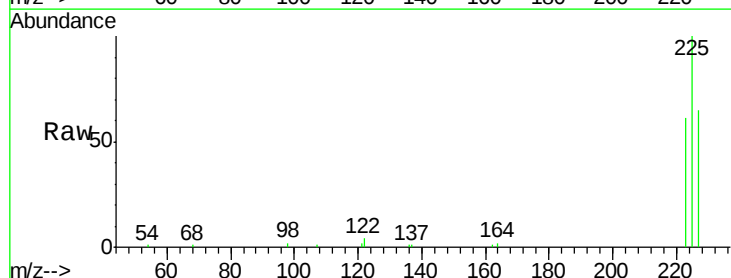


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

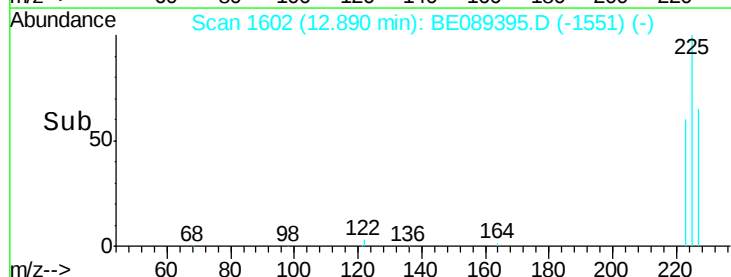
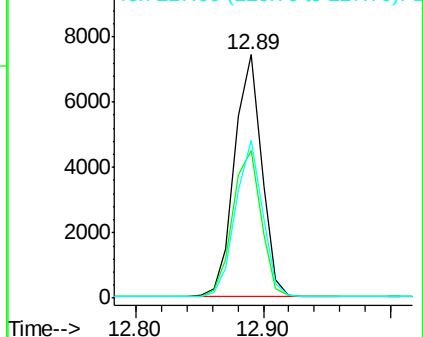


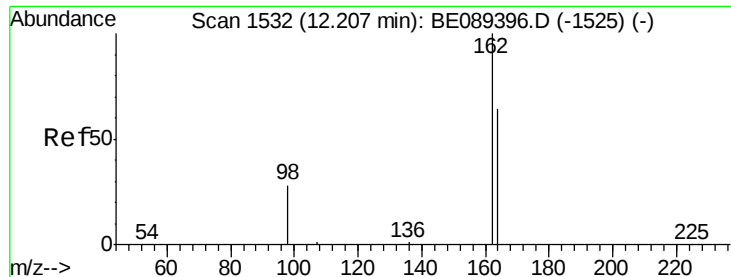
#12
 Hexachlorobutadiene
 Concen: 0.76 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BE089395.D
 Acq: 28 Jan 2015 19:13

Tgt Ion:225 Resp: 10862
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.2 75.4
 227 63.7 50.5 75.7



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

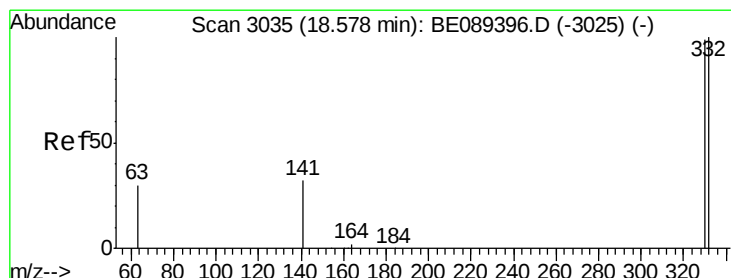
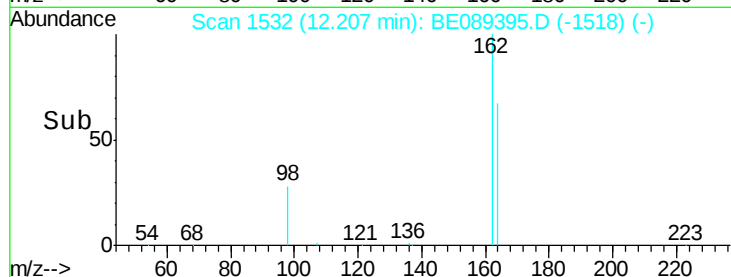
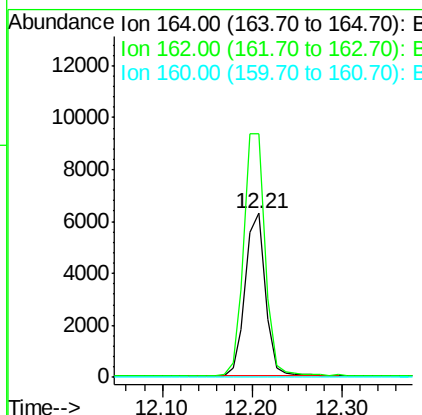
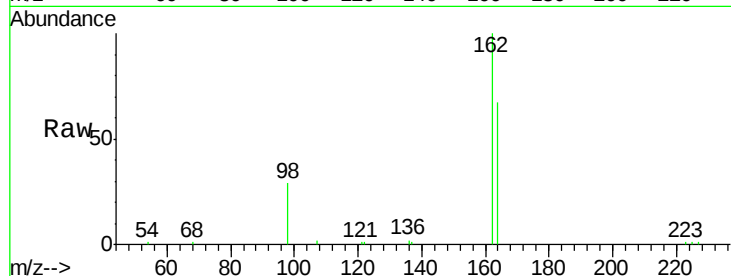




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 12.21 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BE089395.D
Acq: 28 Jan 2015 19:13

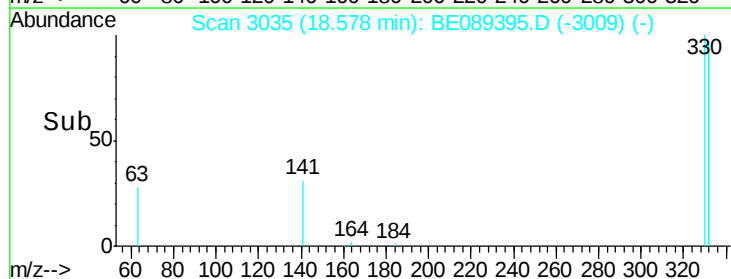
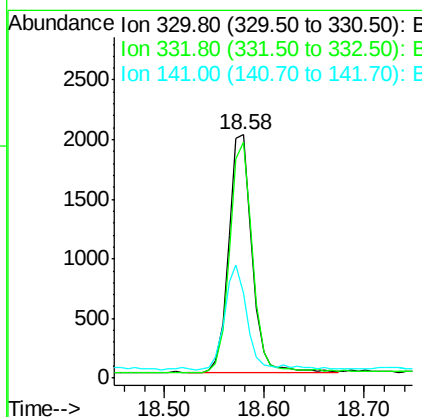
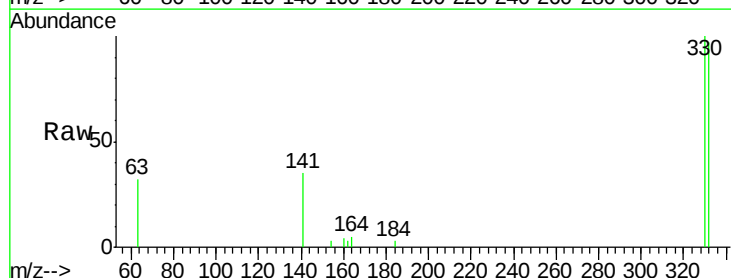
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

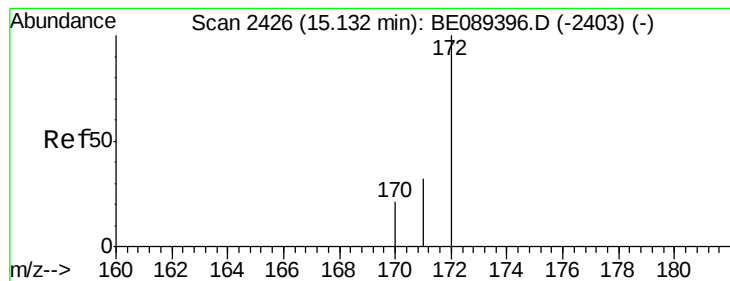
Tgt Ion:164 Resp: 9835
Ion Ratio Lower Upper
164 100
162 148.4 123.9 185.9
160 0.0 0.0 0.0



#14
2,4,6-Tribromophenol
Concen: 4.63 ng
RT: 18.58 min Scan# 3035
Delta R.T. 0.00 min
Lab File: BE089395.D
Acq: 28 Jan 2015 19:13

Tgt Ion:330 Resp: 3208
Ion Ratio Lower Upper
330 100
332 96.3 77.5 116.3
141 41.1 32.4 48.6





#15

2-Fluorobiphenyl

Concen: 4.37 ng

RT: 15.13 min Scan# 2425

Delta R.T. -0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

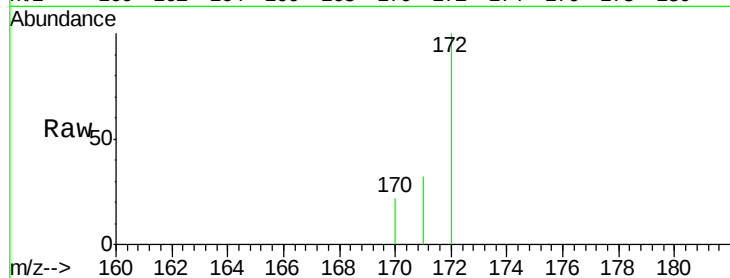
Tgt Ion:172 Resp: 41387

Ion Ratio Lower Upper

172 100

171 32.4 25.6 38.4

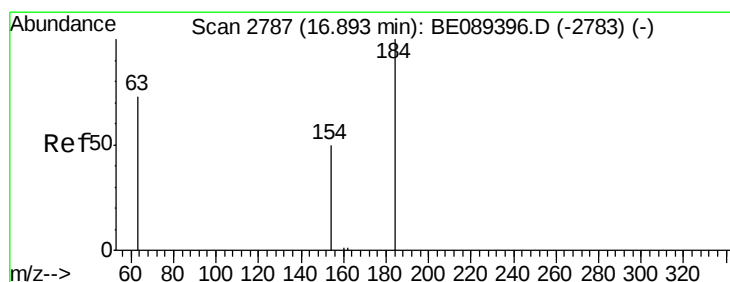
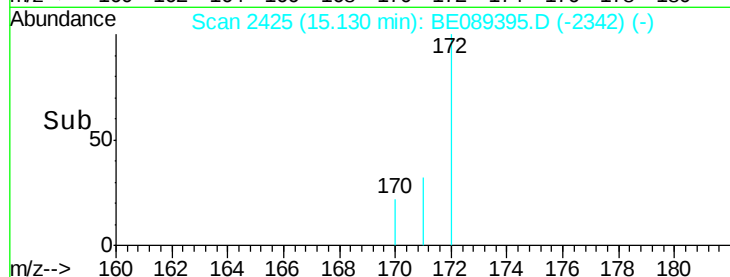
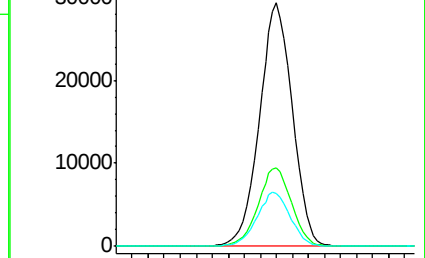
170 21.9 17.0 25.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

2,4-Dinitrophenol

Concen: 2.86 ng

RT: 16.90 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

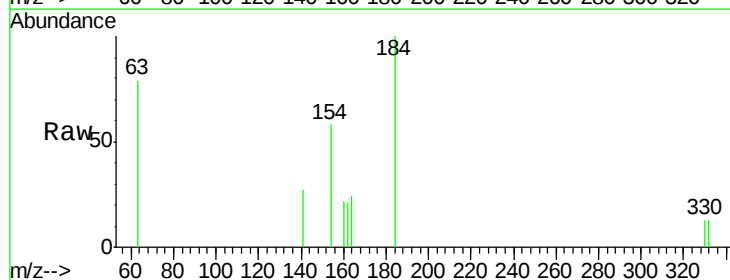
Tgt Ion:184 Resp: 564

Ion Ratio Lower Upper

184 100

63 79.2 66.9 100.3

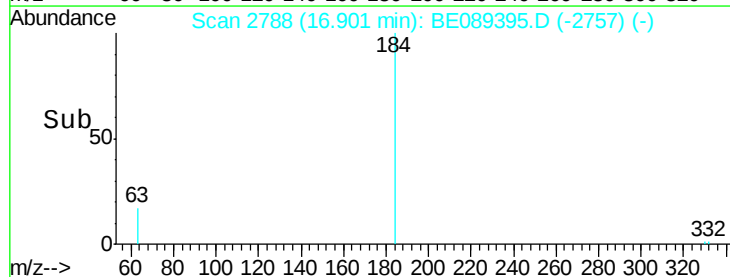
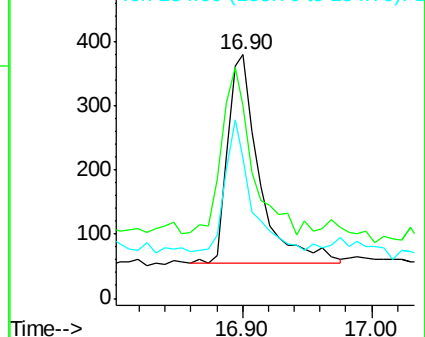
154 57.8 45.1 67.7

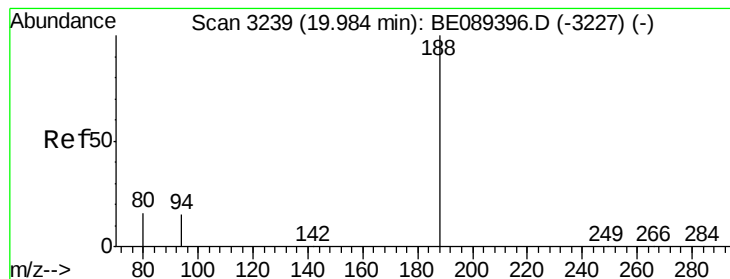


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 154.00 (153.70 to 154.70): E





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.98 min Scan# 3239

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

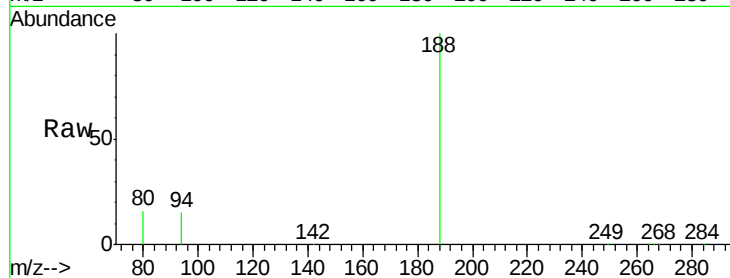
Tgt Ion:188 Resp: 360691

Ion Ratio Lower Upper

188 100

94 14.7 12.0 18.0

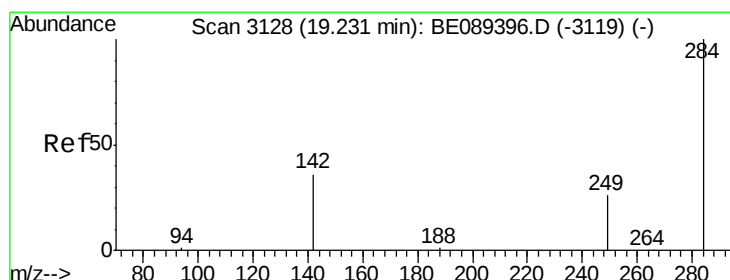
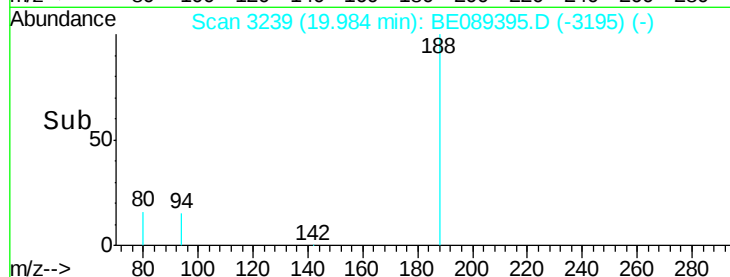
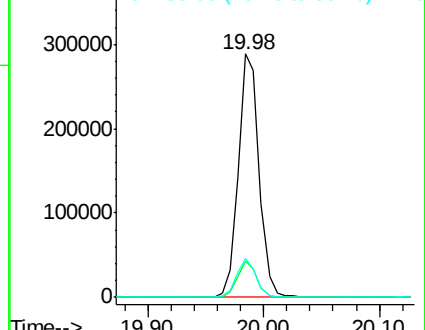
80 16.1 13.2 19.8



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: 0.71 ng

RT: 19.23 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

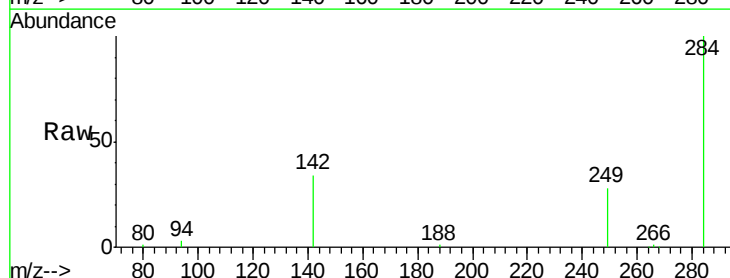
Tgt Ion:284 Resp: 12746

Ion Ratio Lower Upper

284 100

142 34.3 30.7 46.1

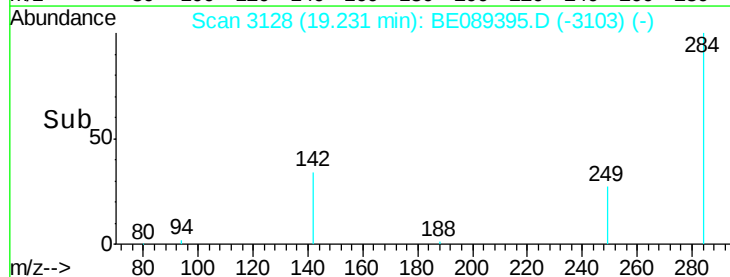
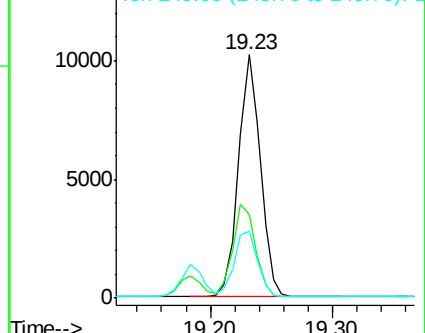
249 27.6 23.4 35.2

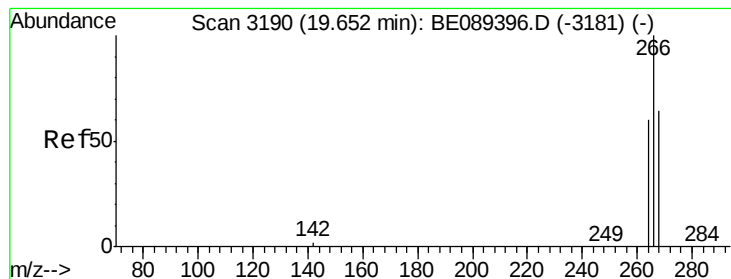


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

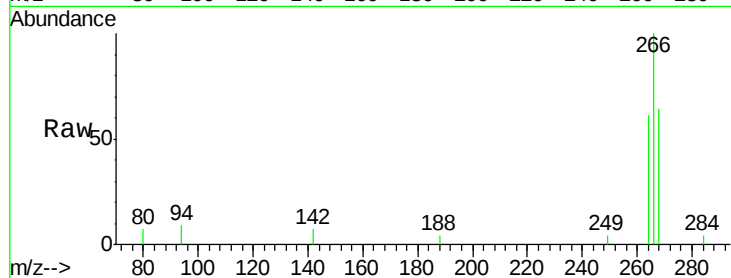




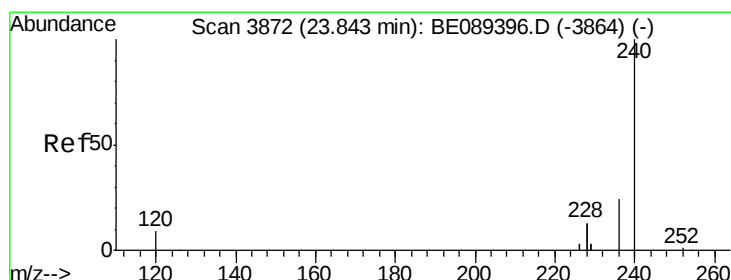
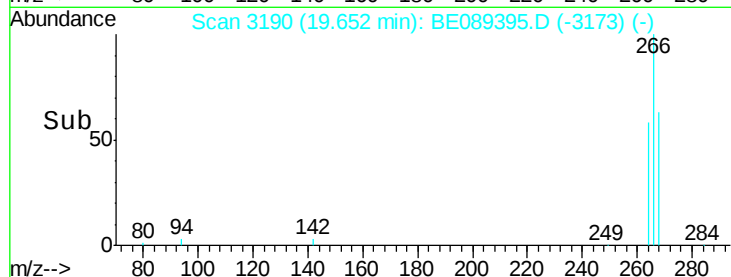
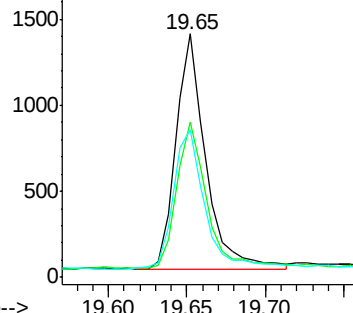
#19
 Pentachlorophenol
 Concen: 0.58 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. 0.00 min
 Lab File: BE089395.D
 Acq: 28 Jan 2015 19:13

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion: 266 Resp: 1796
 Ion Ratio Lower Upper
 266 100
 268 64.1 52.5 78.7
 264 60.6 48.8 73.2

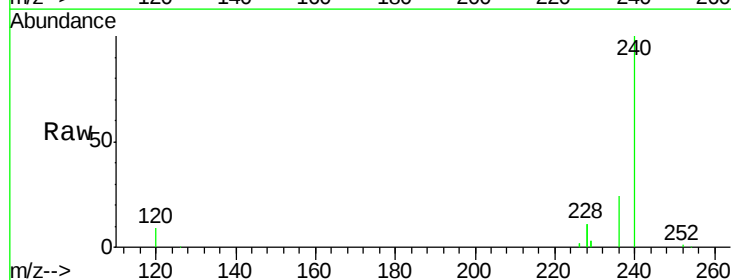


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

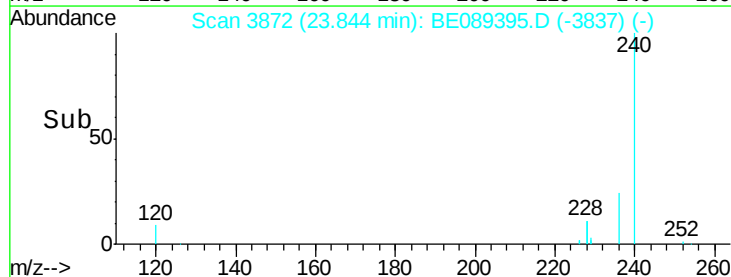
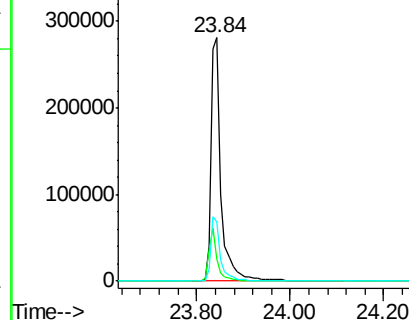


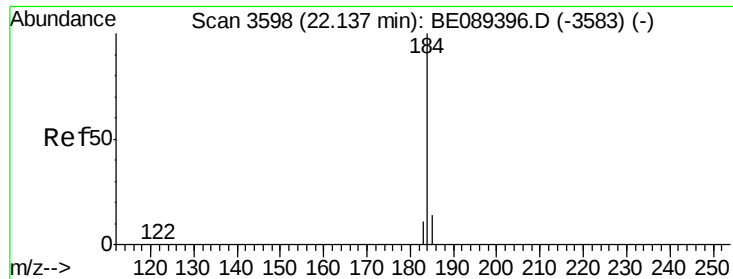
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. 0.00 min
 Lab File: BE089395.D
 Acq: 28 Jan 2015 19:13

Tgt Ion: 240 Resp: 428767
 Ion Ratio Lower Upper
 240 100
 120 9.0 7.1 10.7
 236 24.3 19.5 29.3



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: 0.71 ng

RT: 22.14 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

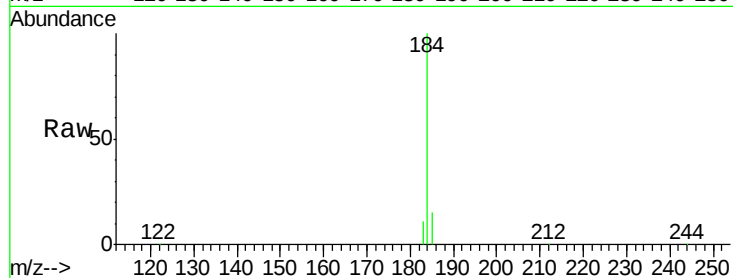
Tgt Ion:184 Resp: 23722

Ion Ratio Lower Upper

184 100

185 15.2 11.4 17.0

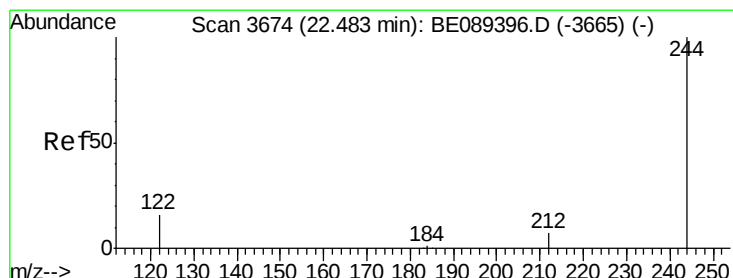
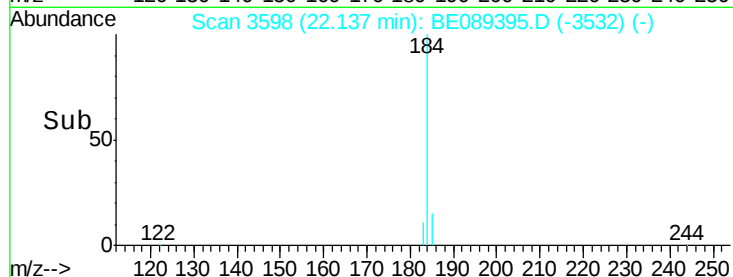
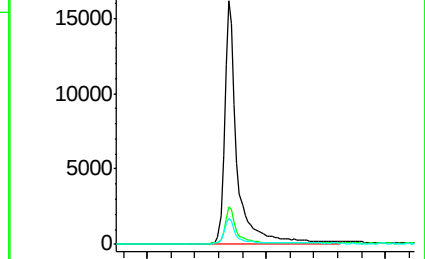
183 10.9 8.7 13.1



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#22

Terphenyl-d14

Concen: 1.05 ng

RT: 22.48 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

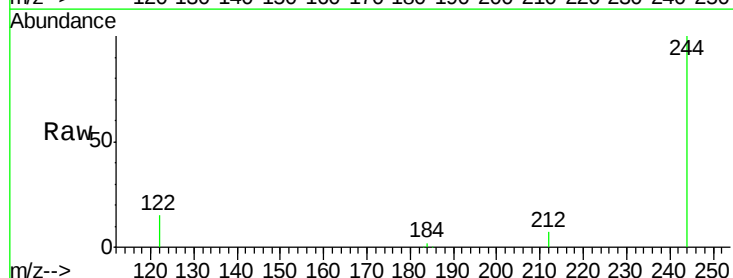
Tgt Ion:244 Resp: 41189

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

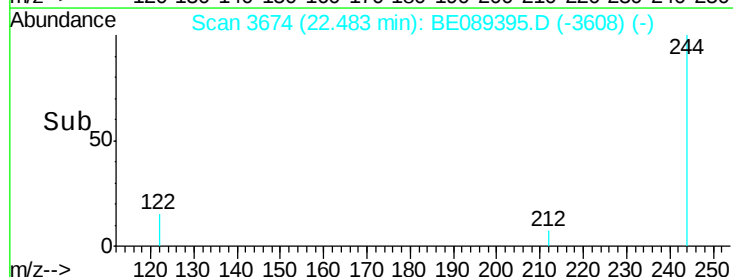
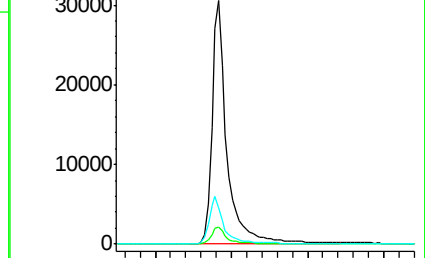
122 15.0 12.8 19.2

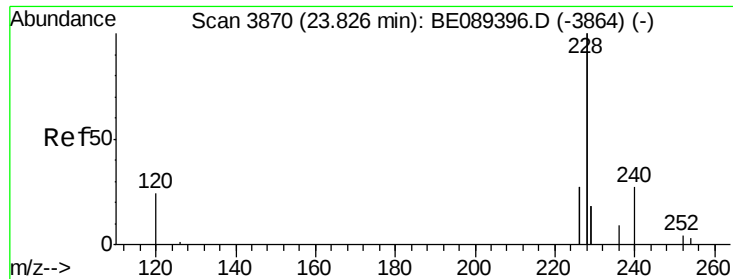


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 1.02 ng

RT: 23.83 min Scan# 3870

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

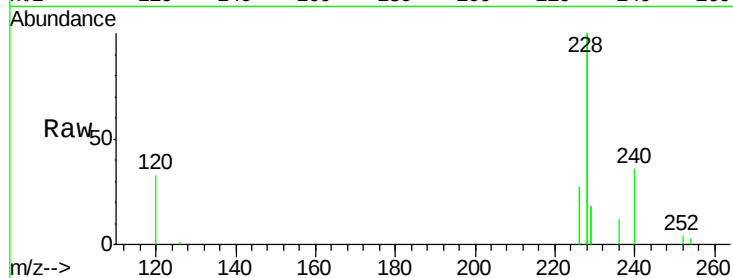
Tgt Ion:228 Resp: 304482

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.6

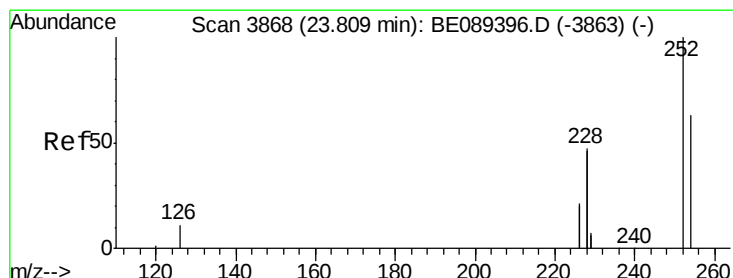
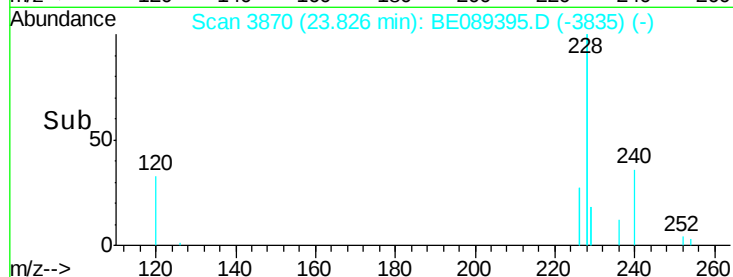
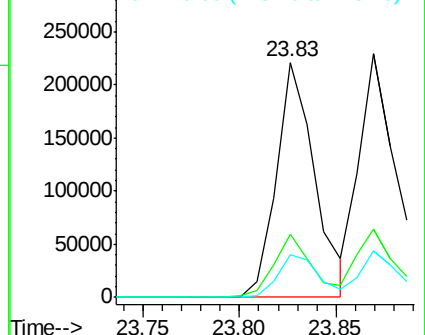
229 18.4 14.5 21.7



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: 0.79 ng

RT: 23.81 min Scan# 3868

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

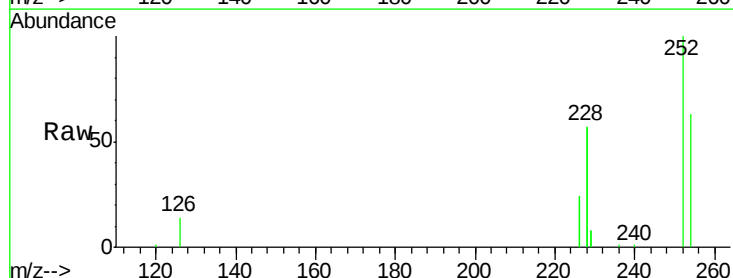
Tgt Ion:252 Resp: 21110

Ion Ratio Lower Upper

252 100

254 63.3 50.2 75.4

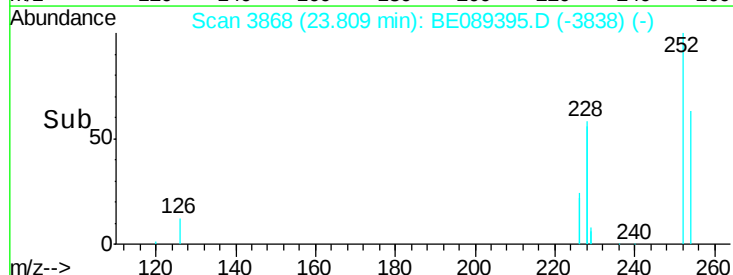
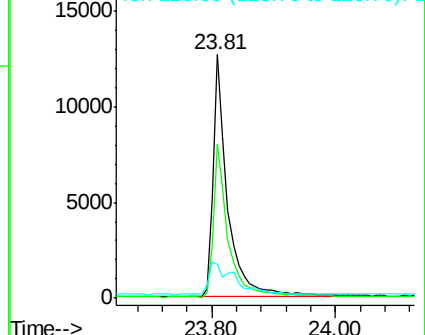
126 13.9 9.8 14.6

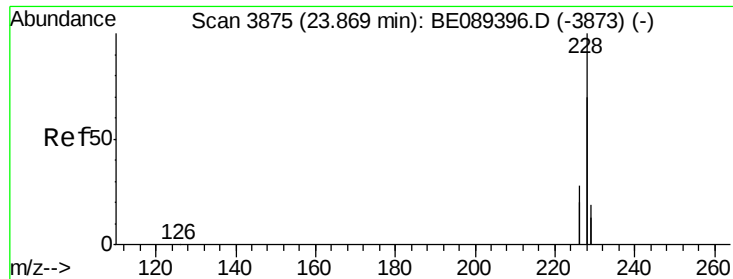


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.79 ng

RT: 23.87 min Scan# 3875

Delta R.T. 0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

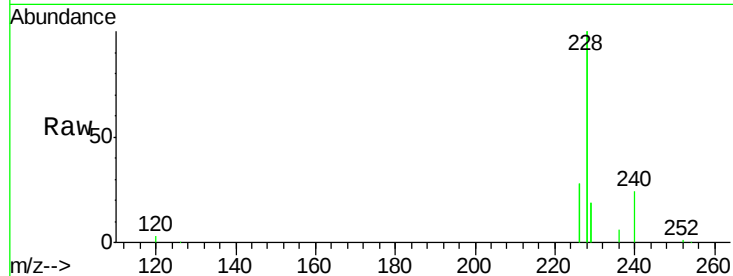
Tgt Ion:228 Resp: 383711

Ion Ratio Lower Upper

228 100

226 28.3 22.7 34.1

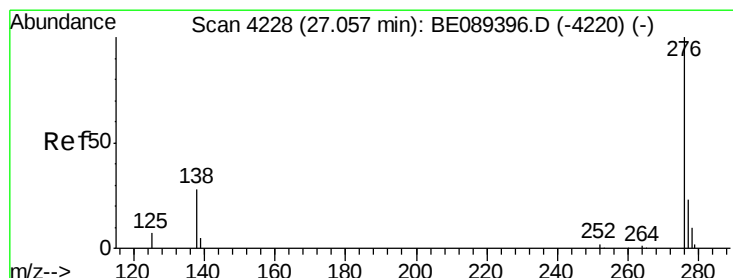
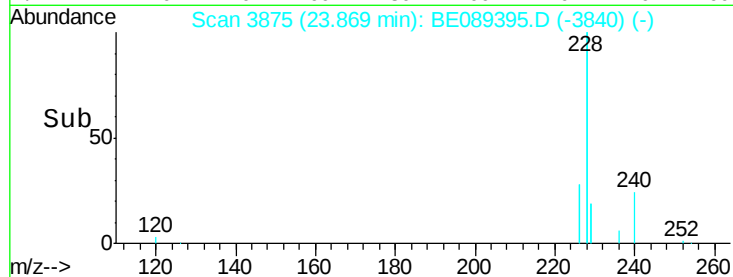
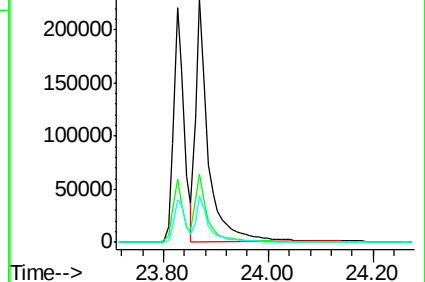
229 19.1 15.2 22.8



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng

RT: 27.06 min Scan# 4228

Delta R.T. -0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

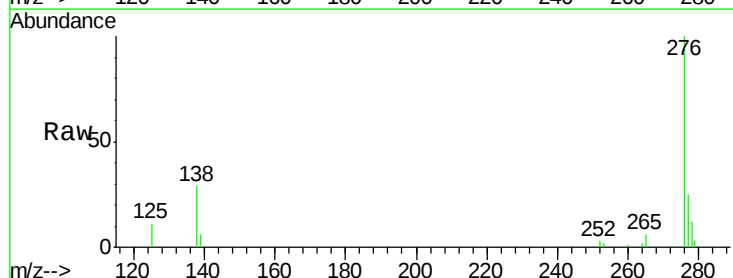
Tgt Ion:276 Resp: 65285

Ion Ratio Lower Upper

276 100

138 32.5 0.0 0.0#

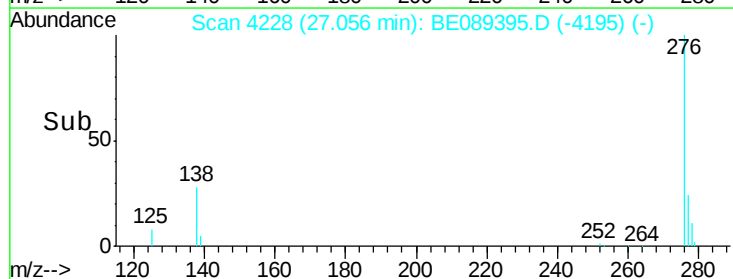
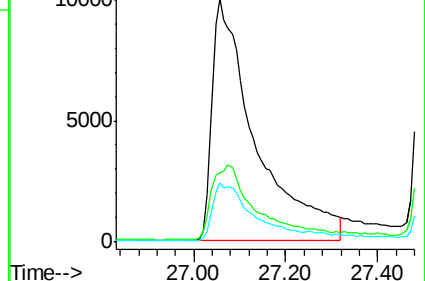
277 22.1 0.0 0.0#

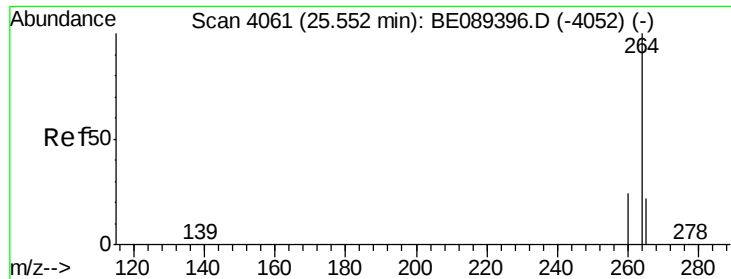


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



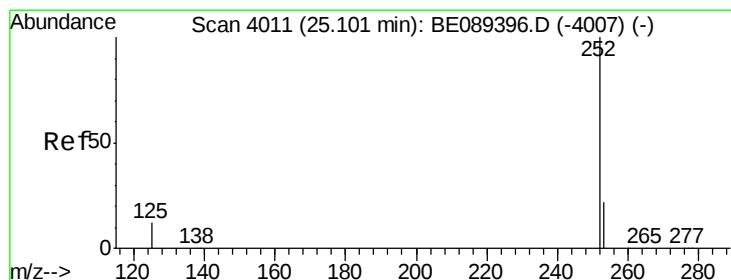
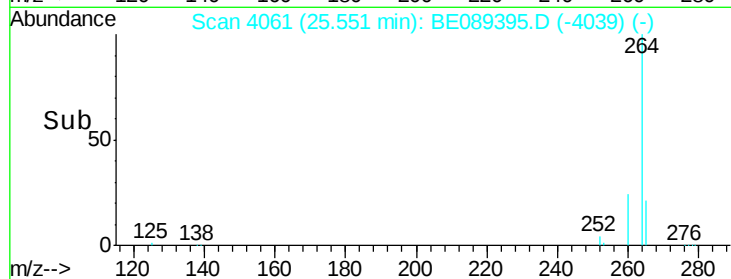
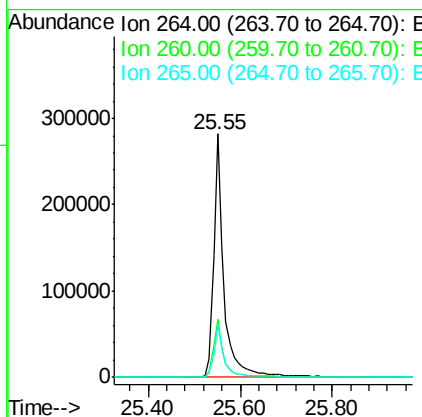
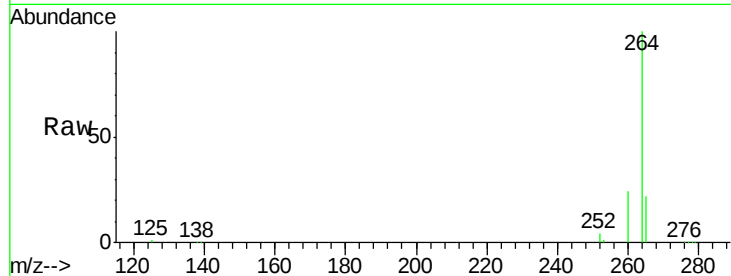


#27
Perylene-d12
Concen: 5.00 ng
RT: 25.55 min Scan# 4061
Delta R.T. -0.00 min
Lab File: BE089395.D
Acq: 28 Jan 2015 19:13

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tgt Ion: 264 Resp: 440897

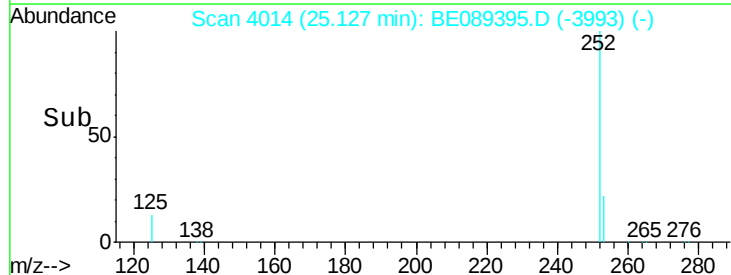
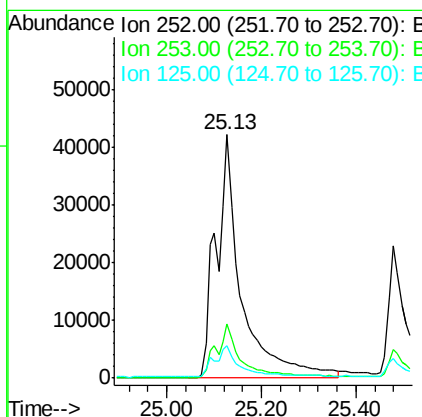
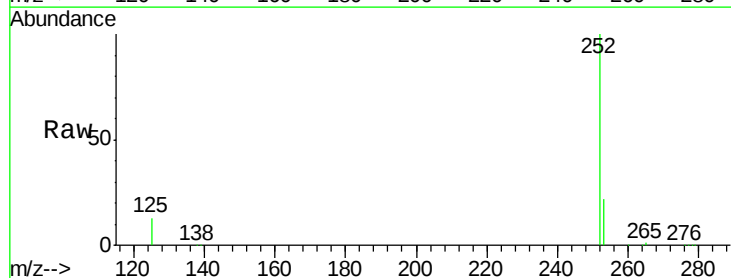
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.6	17.5	26.3

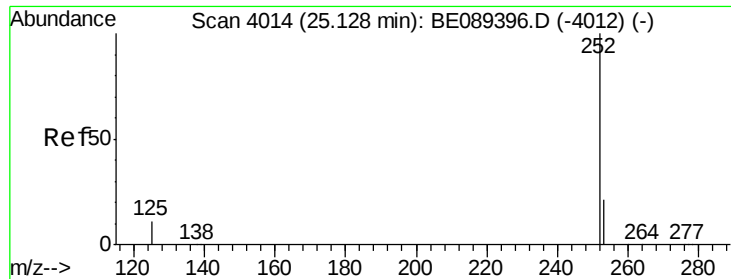


#28
Benzo(b)fluoranthene
Concen: 5.23 ng
RT: 25.13 min Scan# 4014
Delta R.T. 0.03 min
Lab File: BE089395.D
Acq: 28 Jan 2015 19:13

Tgt Ion: 252 Resp: 156155

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	13.1	9.8	14.6





#29

Benzo(k)fluoranthene

Concen: 2.33 ng

RT: 25.13 min Scan# 4014

Delta R.T. -0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

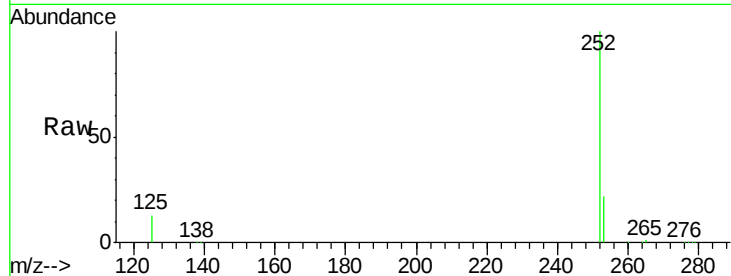
Tgt Ion:252 Resp: 157740

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

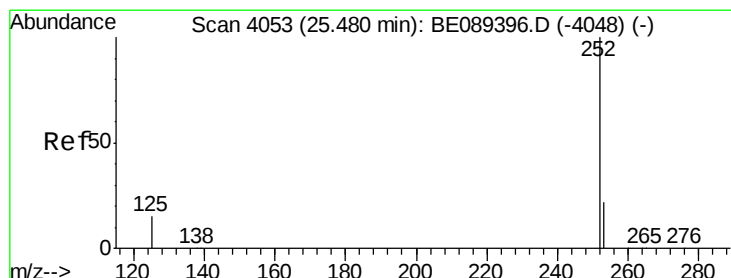
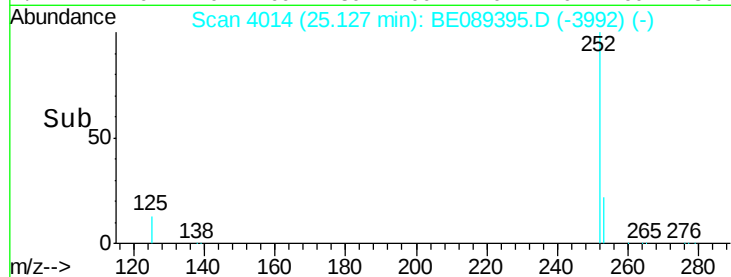
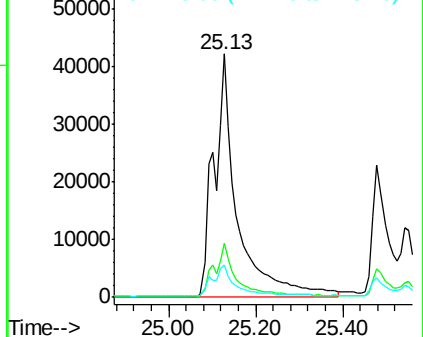
125 13.1 10.2 15.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#30

Benzo(a)pyrene

Concen: 1.20 ng

RT: 25.48 min Scan# 4053

Delta R.T. -0.00 min

Lab File: BE089395.D

Acq: 28 Jan 2015 19:13

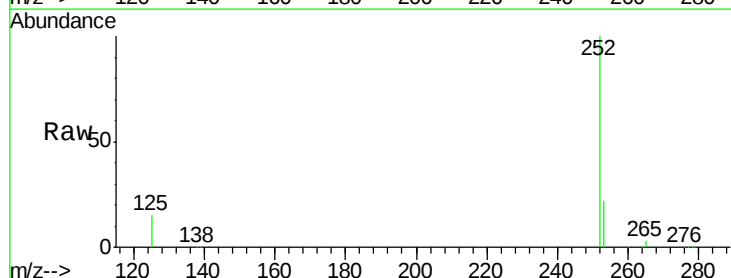
Tgt Ion:252 Resp: 47690

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

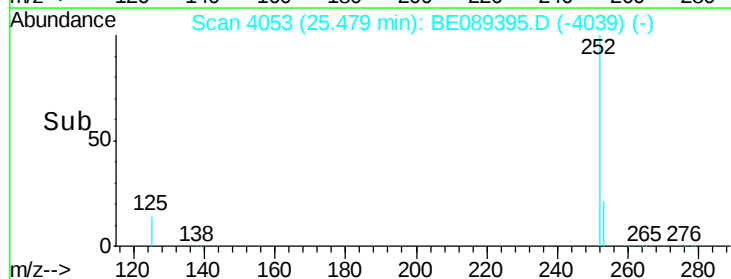
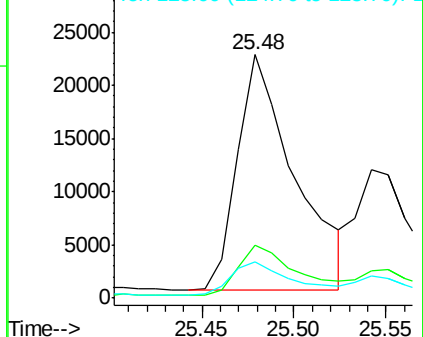
125 15.0 12.2 18.4

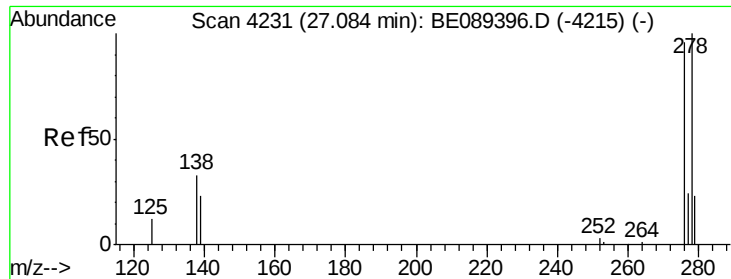


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 1.46 ng

RT: 27.08 min Scan# 4231

Delta R.T. -0.00 min

Lab File: BE089395.D

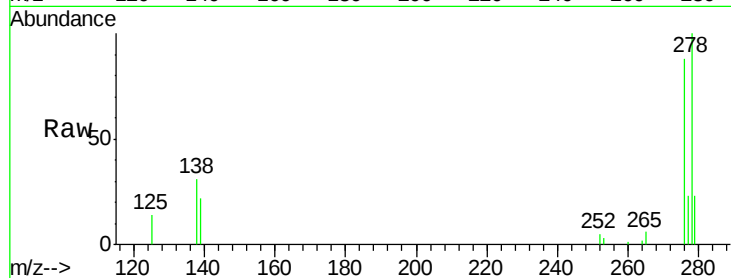
Acq: 28 Jan 2015 19:13

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8



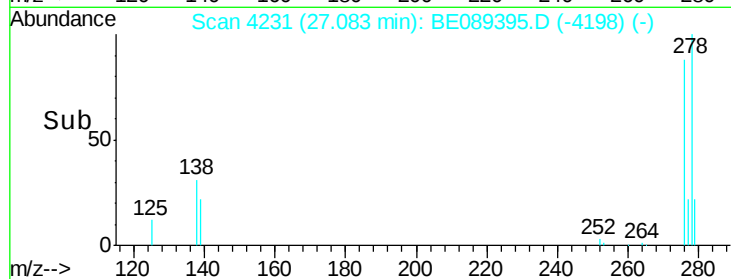
Tgt Ion: 278 Resp: 46756

Ion Ratio Lower Upper

278 100

139 22.3 18.5 27.7

279 23.1 18.6 28.0



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

