

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012815\
 Data File : BE089399.D
 Acq On : 28 Jan 2015 21:48
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Quant Time: Jan 29 01:22:29 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	84323	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	254976	5.00	ng	0.00
13) Acenaphthene-d10	12.20	164	73838	5.00	ng	0.00
17) Phenanthrene-d10	19.98	188	103632	5.00	ng	0.00
20) Chrysene-d12	23.84	240	227100	5.00	ng	0.00
27) Perylene-d12	25.55	264	355398	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.72	112	256686	9.04	ng	0.00
4) Phenol-d6	8.84	99	289788	8.26	ng	0.00
8) Nitrobenzene-d5	10.84	82	182634	9.23	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	14736	2.83	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	243574	3.42	ng	0.00
22) Terphenyl-d14	22.48	244	170892	8.24	ng	0.00

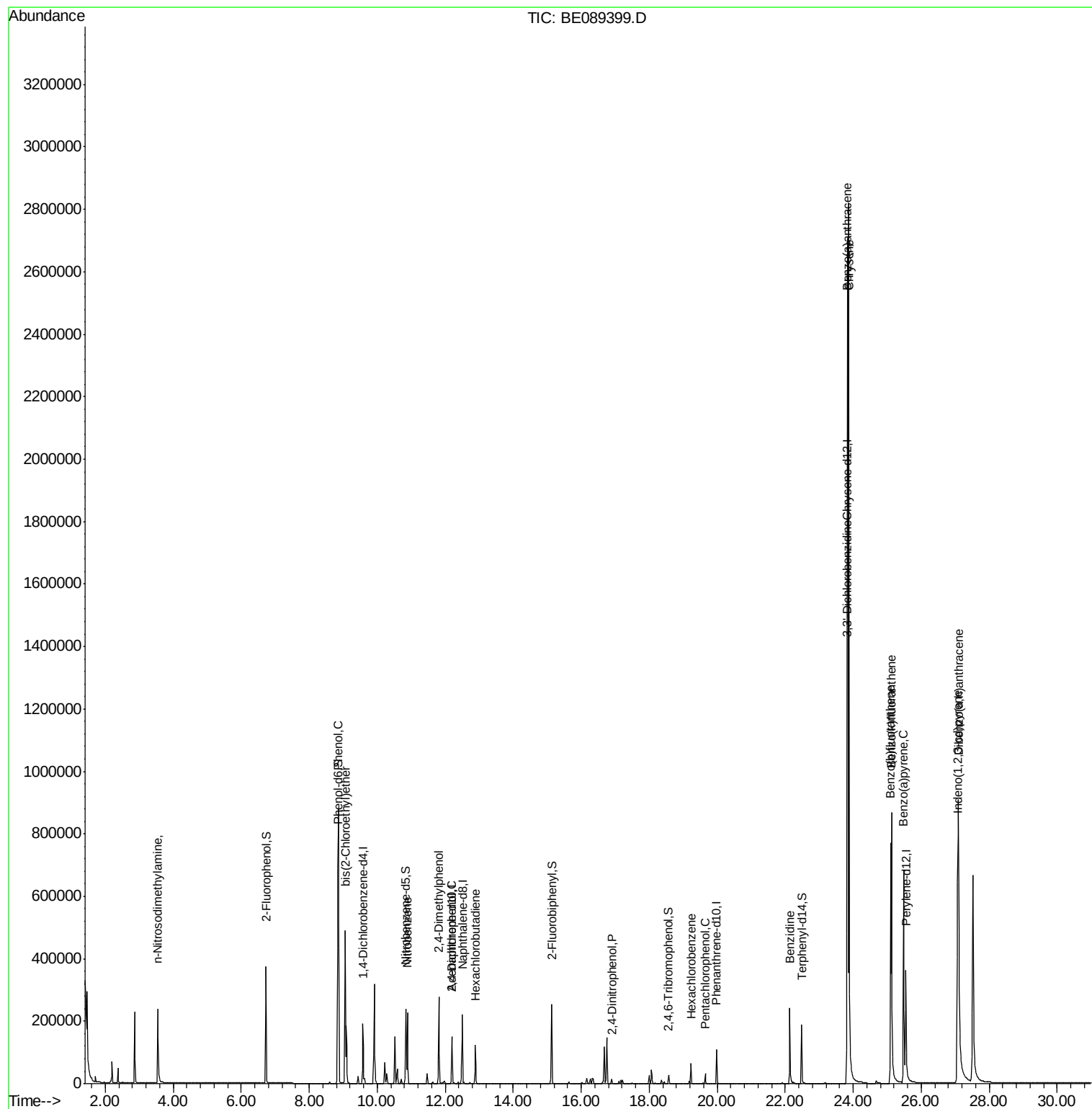
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.54	42	147586	10.54	ng	# 85
5) Phenol	8.87	94	307926	8.71	ng	# 51
6) bis(2-Chloroethyl)ether	9.06	93	228278	8.62	ng	# 99
9) Nitrobenzene	10.89	77	206838	9.36	ng	99
10) 2,4-Dimethylphenol	11.82	122	149878	8.19	ng	99
11) 2,4-Dichlorophenol	12.20	162	116738	9.09	ng	88
12) Hexachlorobutadiene	12.89	225	83905	9.90	ng	99
16) 2,4-Dinitrophenol	16.89	184	8569	5.80	ng	92
18) Hexachlorobenzene	19.23	284	49762	9.63	ng	99
19) Pentachlorophenol	19.65	266	17350	19.49	ng	99
21) Benzidine	22.14	184	233176	13.10	ng	98
23) Benzo(a)anthracene	23.83	228	2106827	13.33	ng	98
24) 3,3'-Dichlorobenzidine	23.81	252	251513	17.79	ng	98
25) Chrysene	23.87	228	2410374	9.33	ng	97
26) Indeno(1,2,3-cd)pyrene	27.07	276	1243569	13.65	ng	# 100
28) Benzo(b)fluoranthene	25.10	252	635514	26.39	ng	99
29) Benzo(k)fluoranthene	25.13	252	1042211	19.06	ng	98
30) Benzo(a)pyrene	25.48	252	879876	27.41	ng	97
31) Dibenzo(a,h)anthracene	27.10	278	966660	37.51	ng	# 93

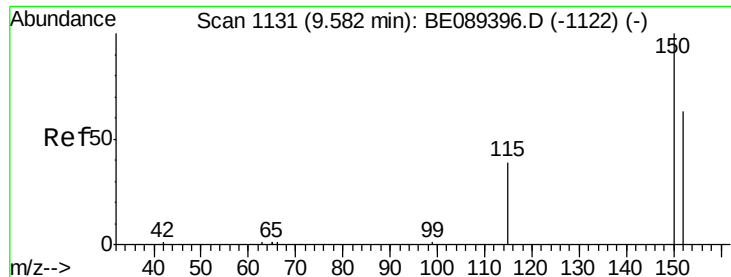
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089399.D

Acq: 28 Jan 2015 21:48

Instrument :

BNA_E

LabSampleId :

SSTDIC010

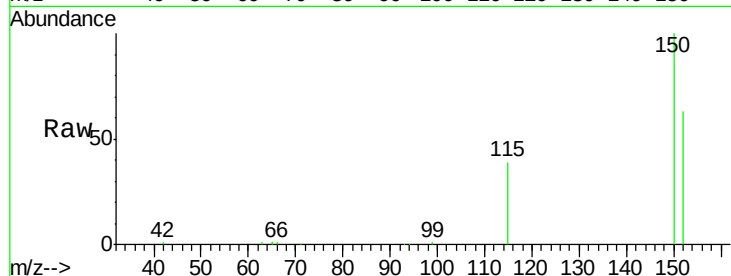
Tgt Ion:152 Resp: 84323

Ion Ratio Lower Upper

152 100

150 158.0 127.2 190.8

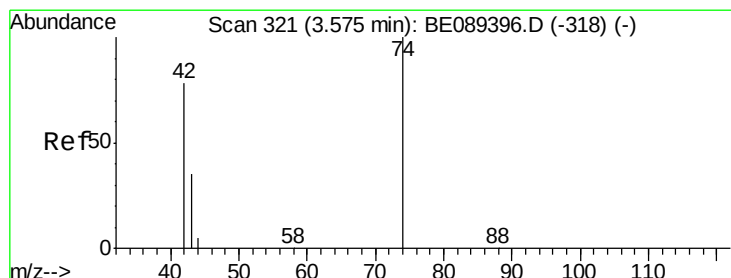
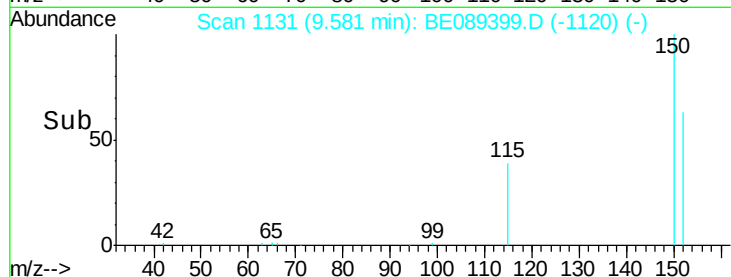
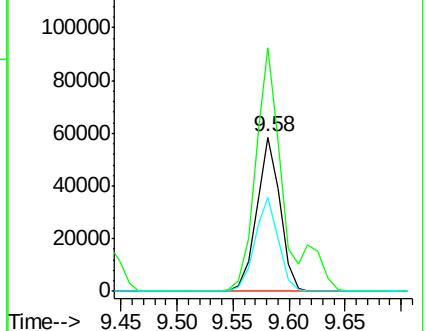
115 61.1 49.3 73.9



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: 10.54 ng

RT: 3.54 min Scan# 315

Delta R.T. -0.04 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

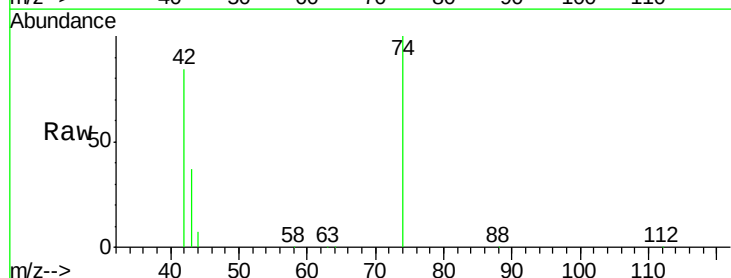
Tgt Ion: 42 Resp: 147586

Ion Ratio Lower Upper

42 100

74 118.5 101.2 151.8

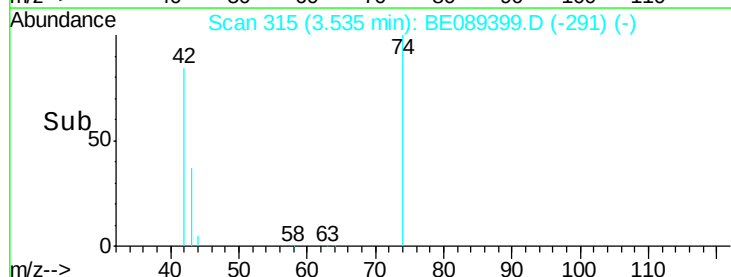
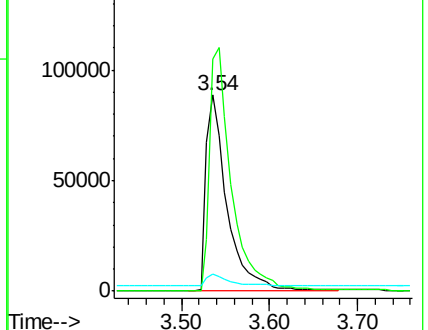
44 8.5 26.4 39.6#

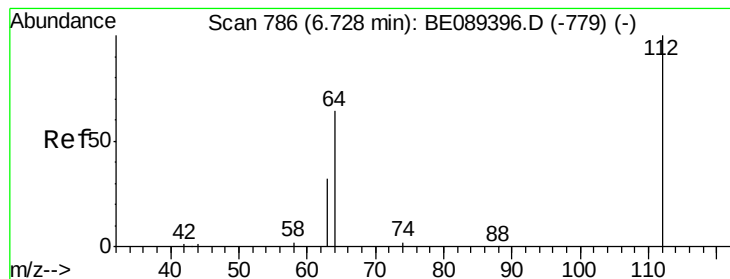


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 9.04 ng

RT: 6.72 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE089399.D

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Instrument :

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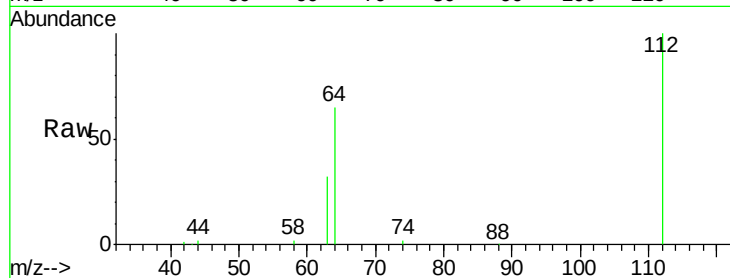
Tgt Ion: 112 Resp: 256686

Ion Ratio Lower Upper

112 100

64 64.6 51.7 77.5

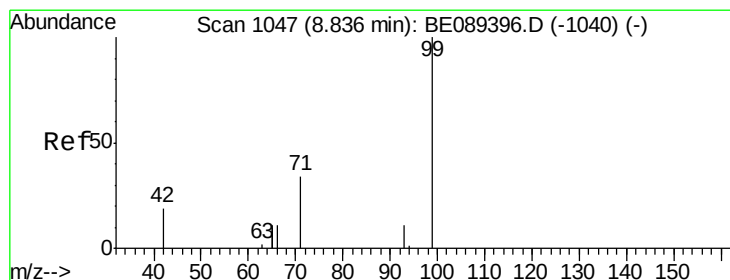
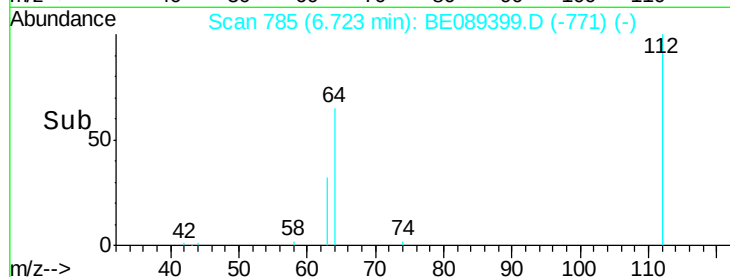
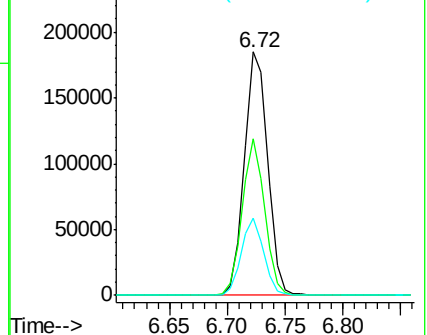
63 31.8 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#4

Phenol-d6

Concen: 8.26 ng

RT: 8.84 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

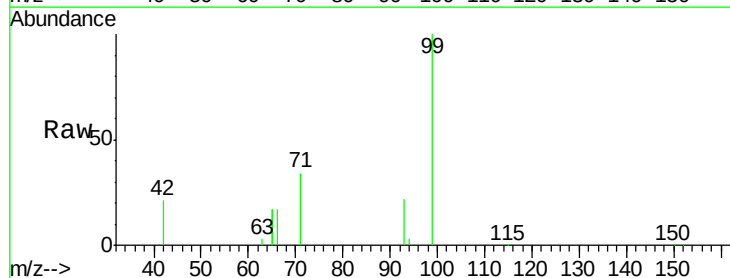
Tgt Ion: 99 Resp: 289788

Ion Ratio Lower Upper

99 100

42 21.4 15.3 22.9

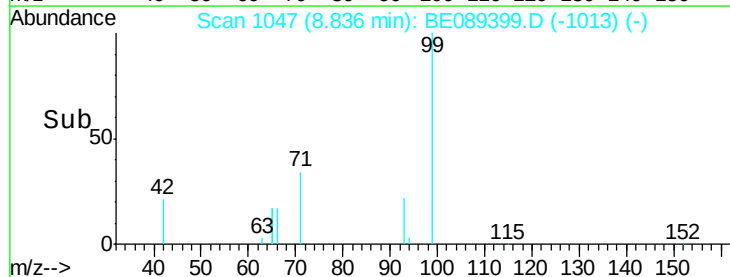
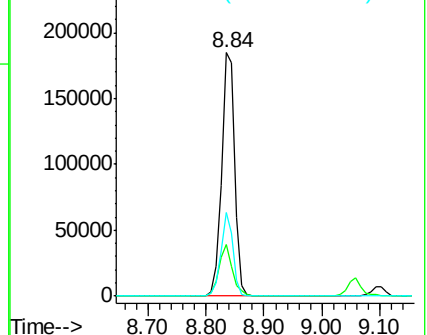
71 34.5 27.0 40.6

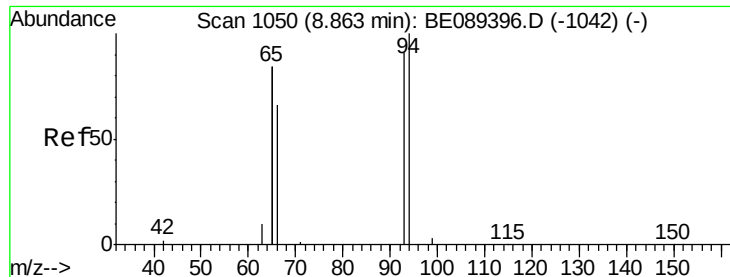


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 8.71 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

Instrument :

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LabSampleId :

SSTDIC010

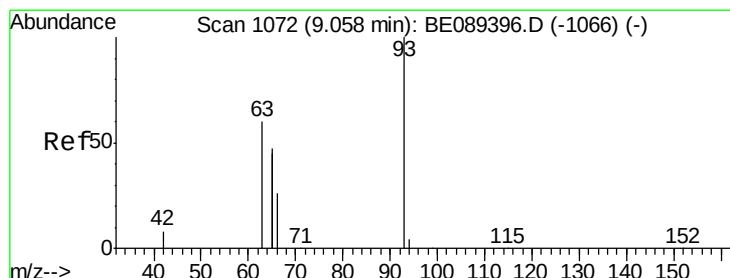
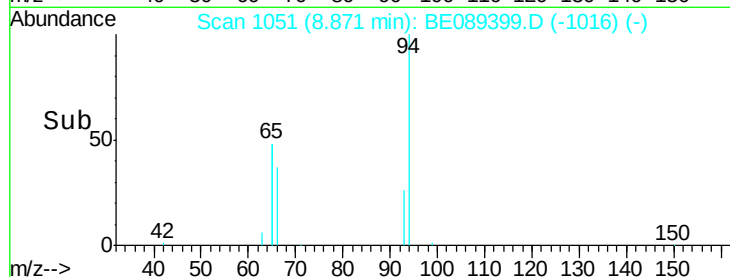
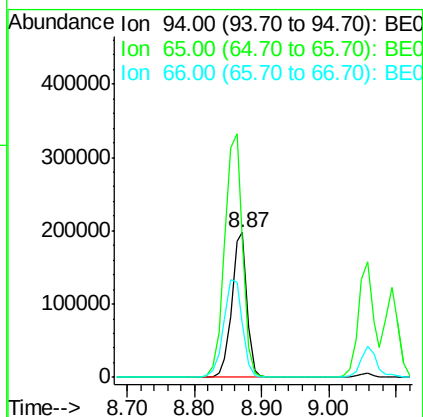
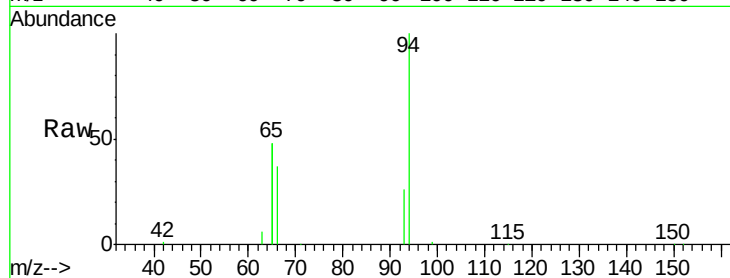
Tgt Ion: 94 Resp: 307926

Ion Ratio Lower Upper

94 100

65 95.8 148.6 188.6#

66 37.1 46.2 86.2#



#6

bis(2-Chloroethyl)ether

Concen: 8.62 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

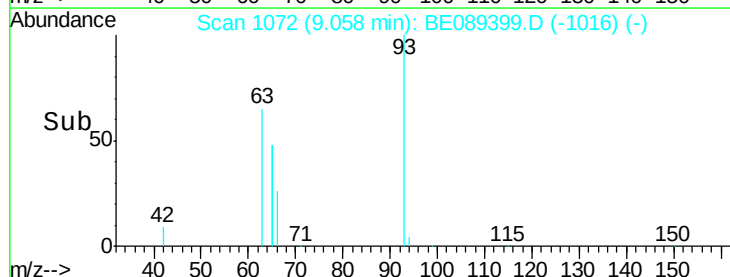
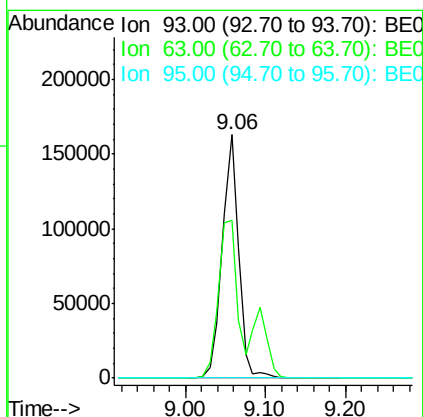
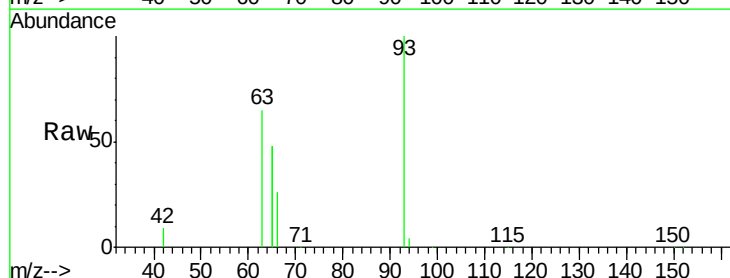
Tgt Ion: 93 Resp: 228278

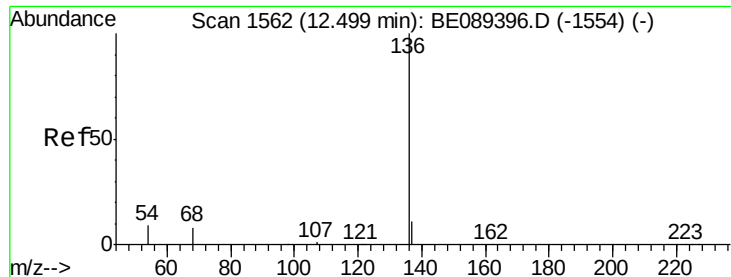
Ion Ratio Lower Upper

93 100

63 74.5 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: BE089399.D

Acq: 28 Jan 2015 21:48

Instrument :

BNA_E

LabSampleId :

SSTDICC010

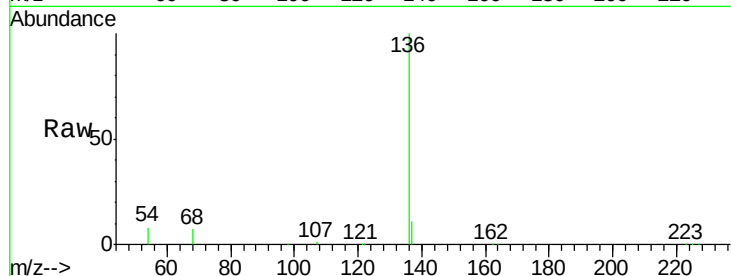
Tgt Ion: 136 Resp: 254976

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

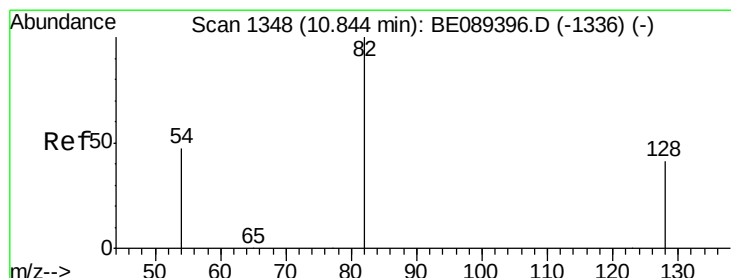
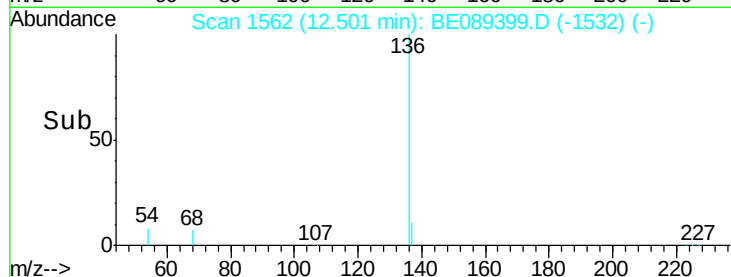
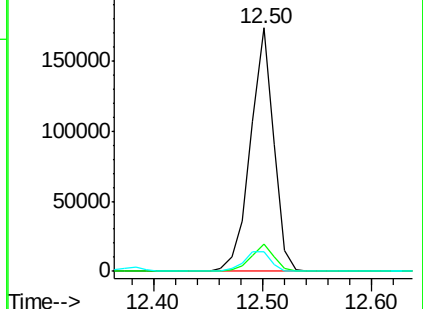
54 8.2 7.4 11.0



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: 9.23 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

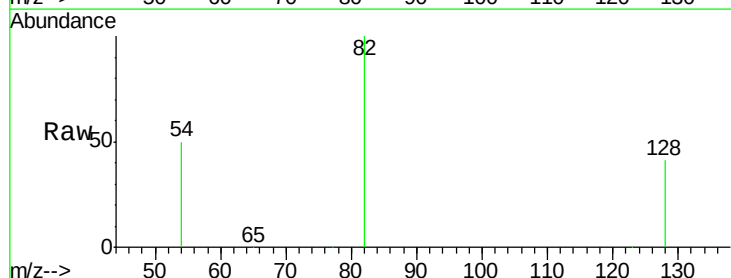
Tgt Ion: 82 Resp: 182634

Ion Ratio Lower Upper

82 100

128 41.0 33.6 50.4

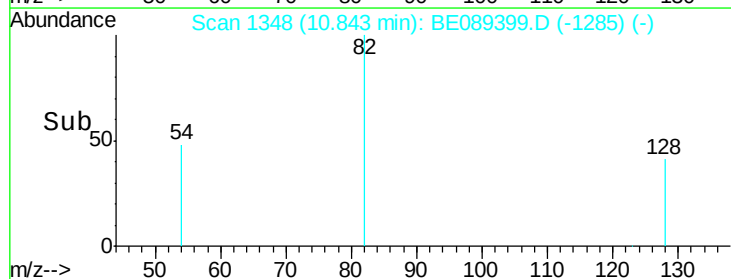
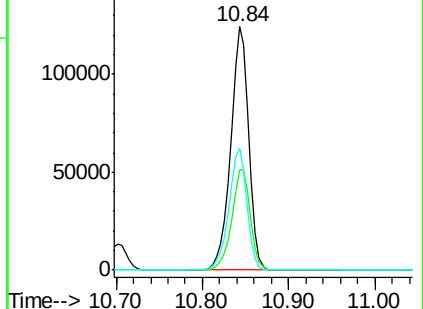
54 50.1 37.7 56.5

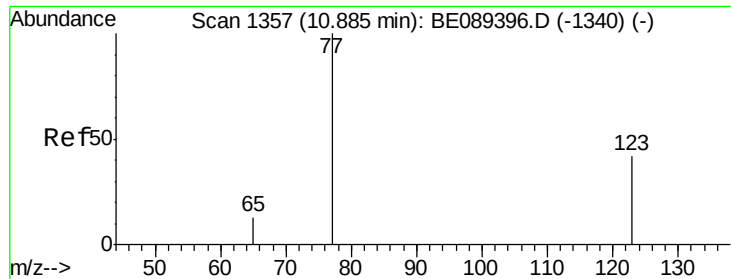


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 9.36 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

Instrument :

BNA_E

LabSampleId :

SSTDIC010

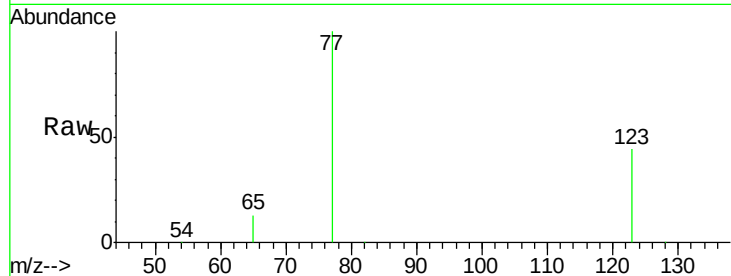
Tgt Ion: 77 Resp: 206838

Ion Ratio Lower Upper

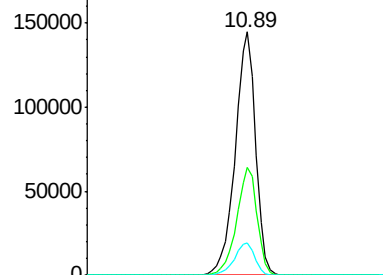
77 100

123 44.5 34.7 52.1

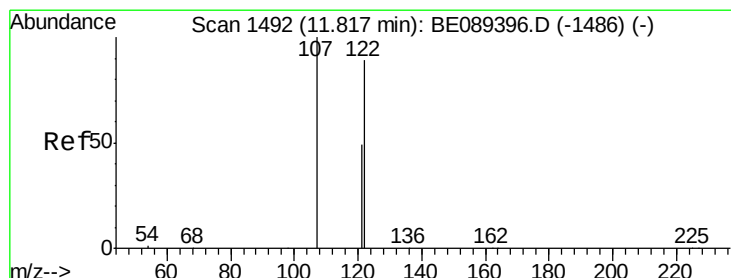
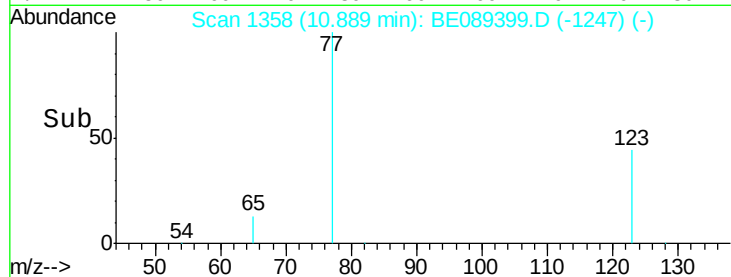
65 13.5 10.6 15.8



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



Time-->



#10

2,4-Dimethylphenol

Concen: 8.19 ng

RT: 11.82 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

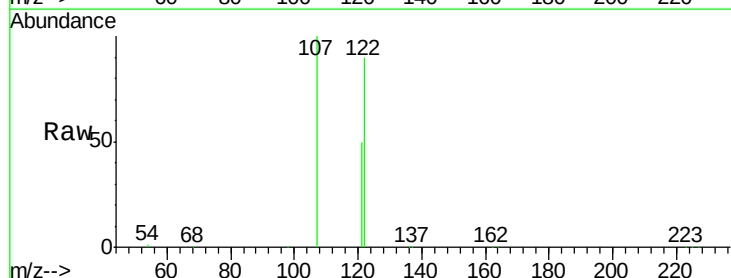
Tgt Ion: 122 Resp: 149878

Ion Ratio Lower Upper

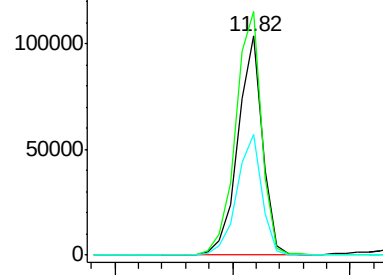
122 100

107 111.1 89.4 134.2

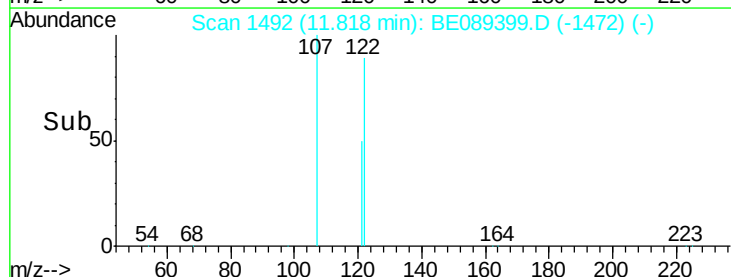
121 55.1 43.6 65.4

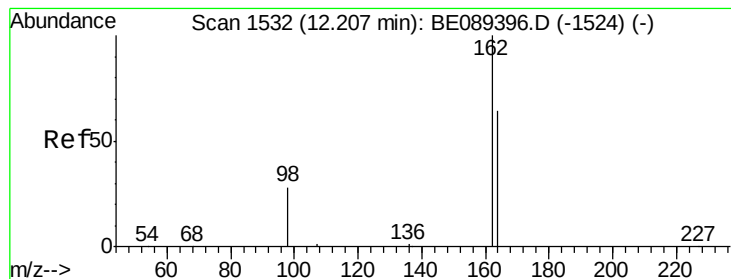


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



Time-->

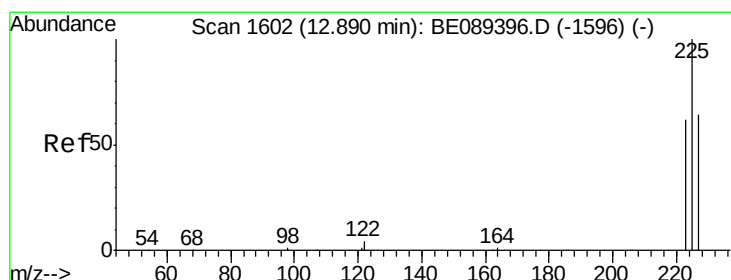
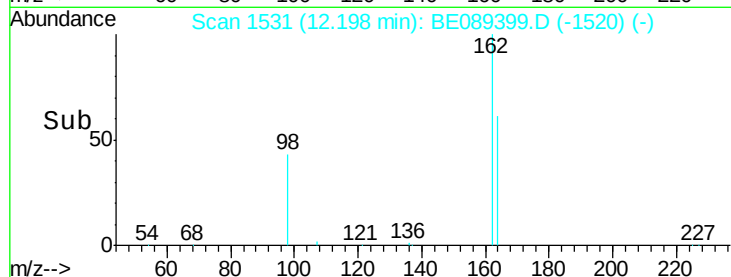
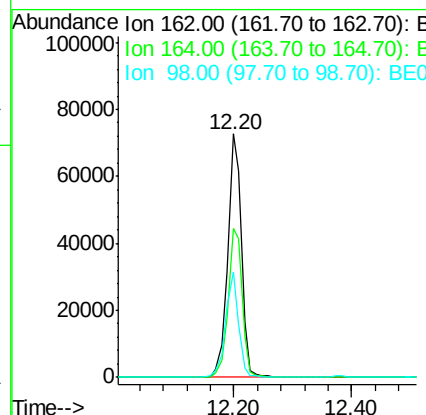
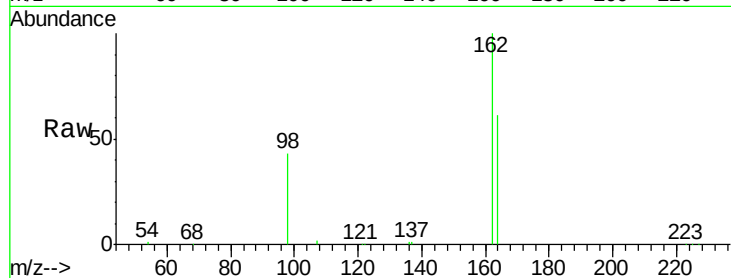




#11
 2,4-Dichlorophenol
 Concen: 9.09 ng
 RT: 12.20 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BE089399.D
 Acq: 28 Jan 2015 21:48

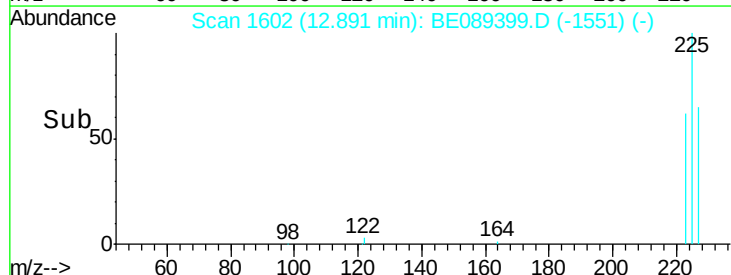
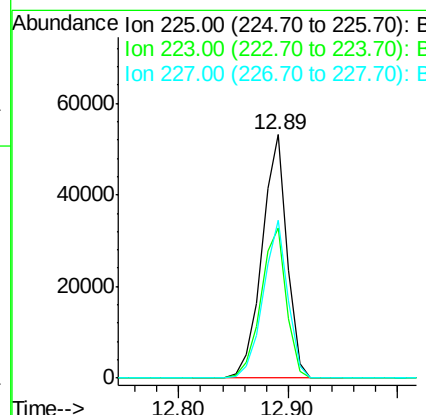
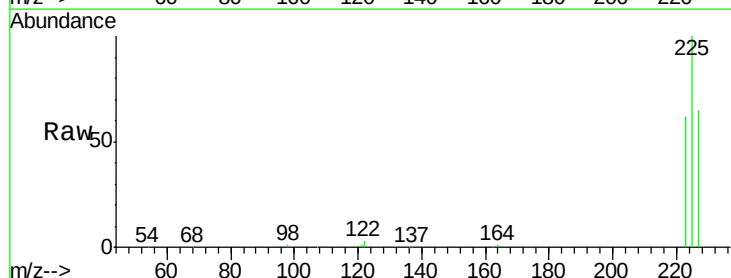
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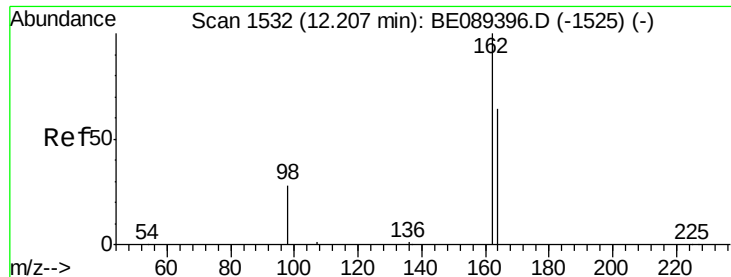
Tgt Ion:162 Resp: 116738
 Ion Ratio Lower Upper
 162 100
 164 61.0 44.6 84.6
 98 43.3 8.7 48.7



#12
 Hexachlorobutadiene
 Concen: 9.90 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BE089399.D
 Acq: 28 Jan 2015 21:48

Tgt Ion:225 Resp: 83905
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.2 75.4
 227 63.7 50.5 75.7

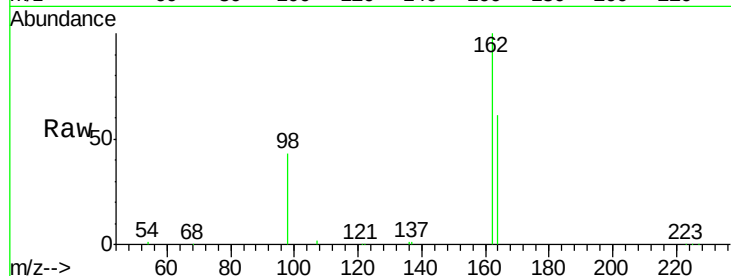




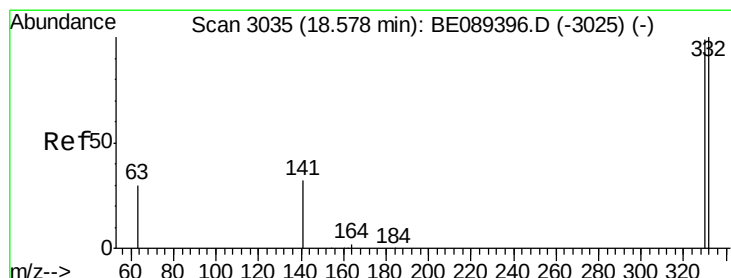
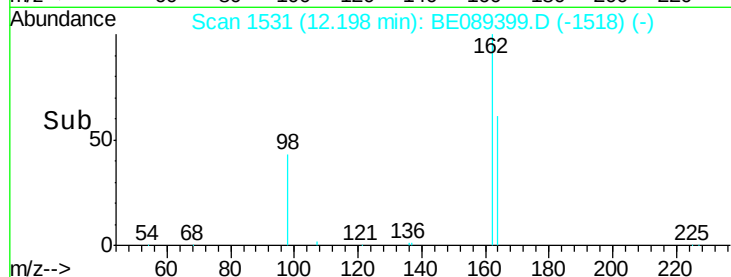
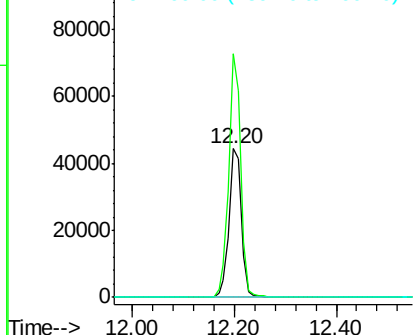
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 12.20 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE089399.D
Acq: 28 Jan 2015 21:48

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tgt Ion:164 Resp: 73838
Ion Ratio Lower Upper
164 100
162 163.8 123.9 185.9
160 0.0 0.0 0.0

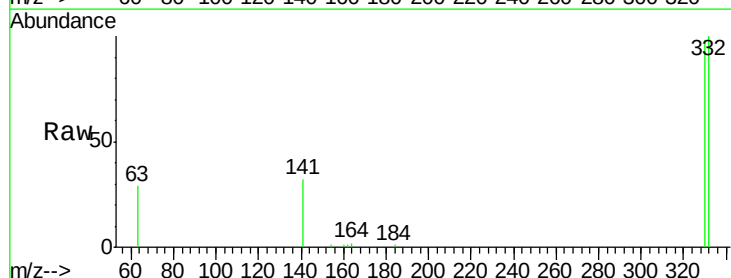


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

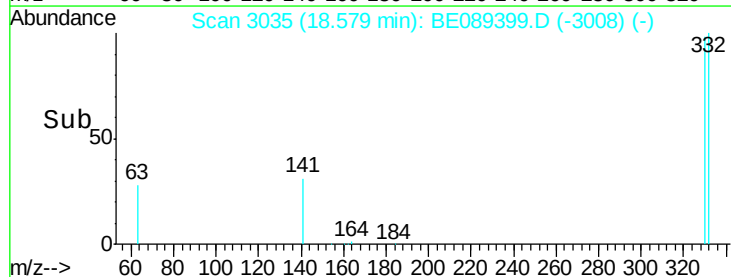
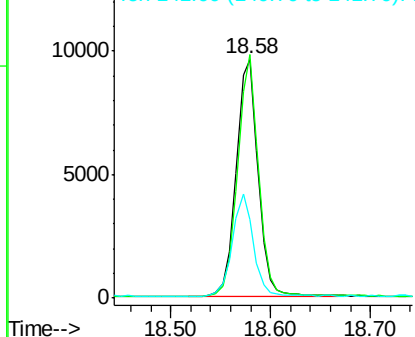


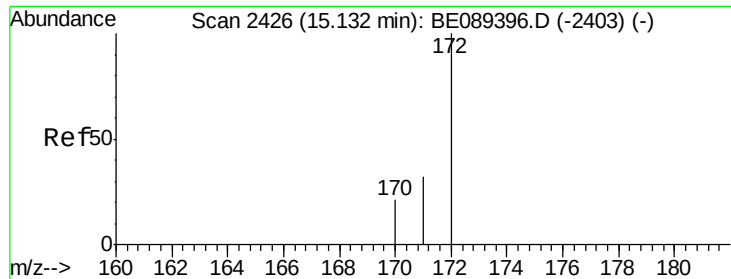
#14
2,4,6-Tribromophenol
Concen: 2.83 ng
RT: 18.58 min Scan# 3035
Delta R.T. 0.00 min
Lab File: BE089399.D
Acq: 28 Jan 2015 21:48

Tgt Ion:330 Resp: 14736
Ion Ratio Lower Upper
330 100
332 98.9 77.5 116.3
141 41.5 32.4 48.6



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

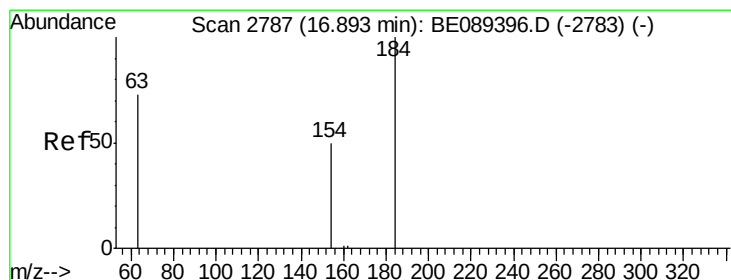
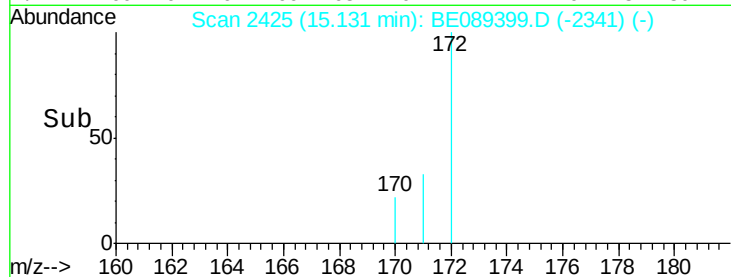
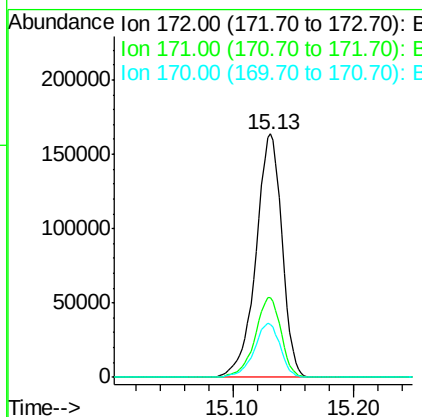
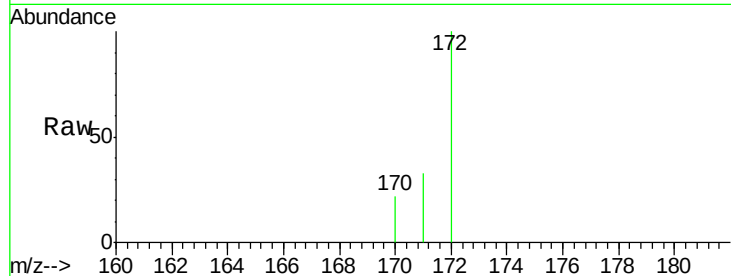




#15
2-Fluorobiphenyl
Concen: 3.42 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089399.D
Acq: 28 Jan 2015 21:48

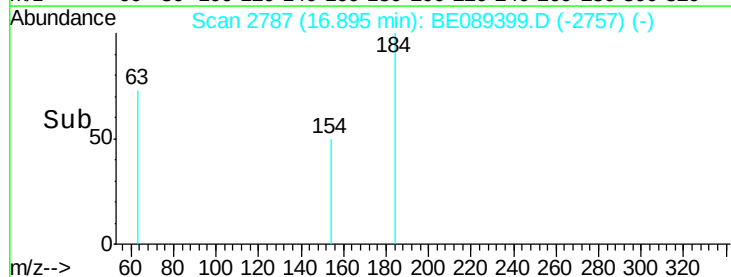
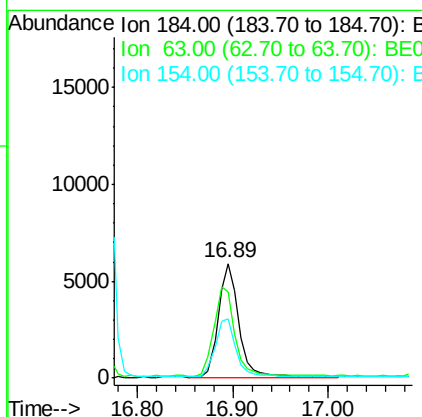
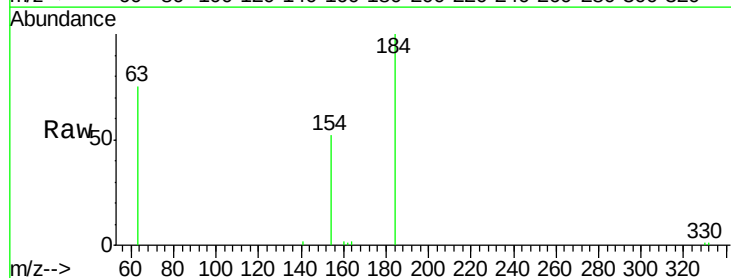
Instrument :
BNA_E
LabSampleId :
SSTDIC010

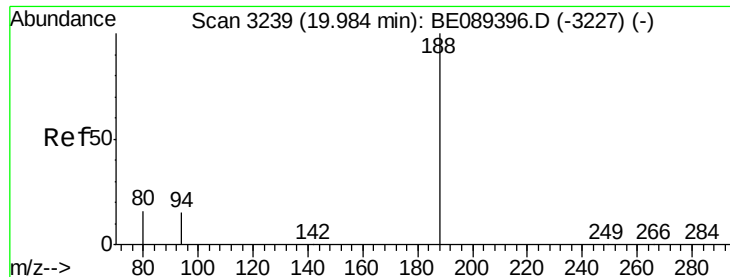
Tgt Ion:172 Resp: 243574
Ion Ratio Lower Upper
172 100
171 32.8 25.6 38.4
170 22.0 17.0 25.4



#16
2,4-Dinitrophenol
Concen: 5.80 ng
RT: 16.89 min Scan# 2787
Delta R.T. 0.00 min
Lab File: BE089399.D
Acq: 28 Jan 2015 21:48

Tgt Ion:184 Resp: 8569
Ion Ratio Lower Upper
184 100
63 75.0 66.9 100.3
154 51.8 45.1 67.7

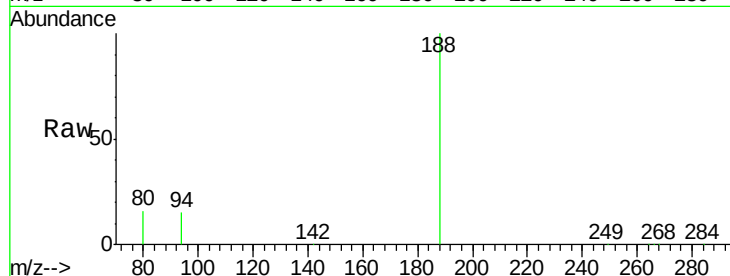




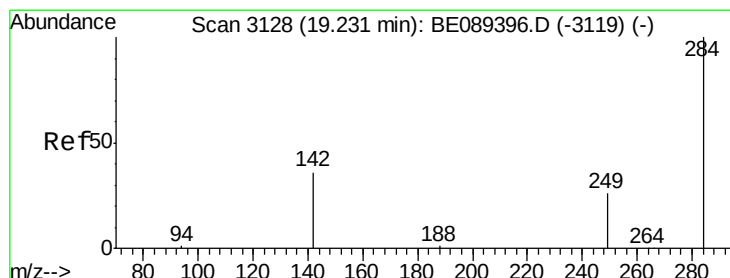
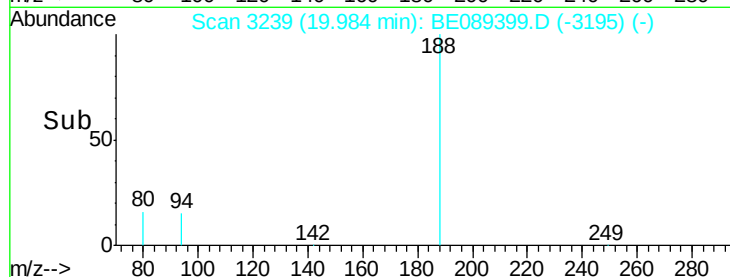
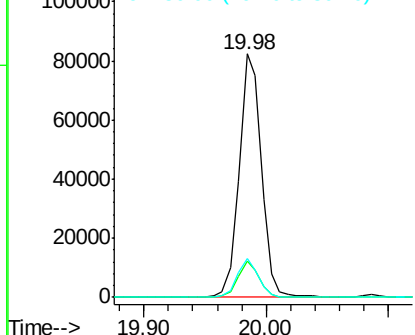
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.98 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BE089399.D
Acq: 28 Jan 2015 21:48

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tgt Ion:188 Resp: 103632
Ion Ratio Lower Upper
188 100
94 14.9 12.0 18.0
80 15.9 13.2 19.8

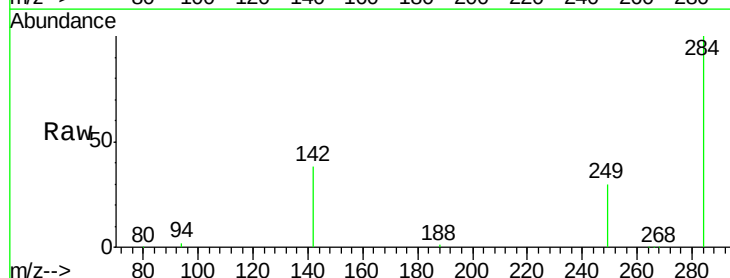


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

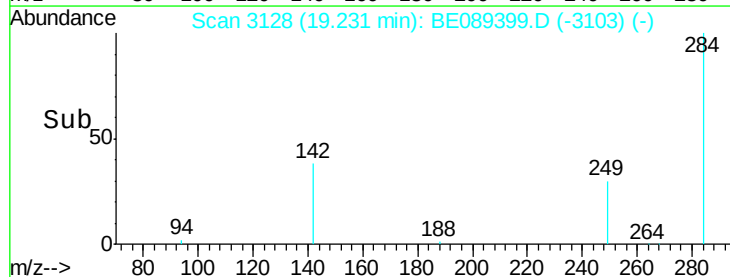
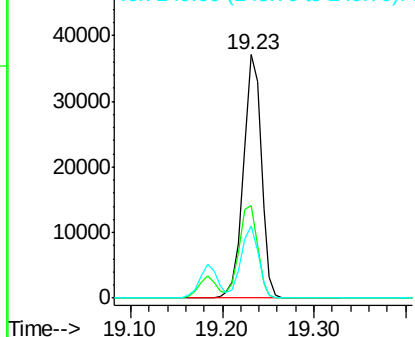


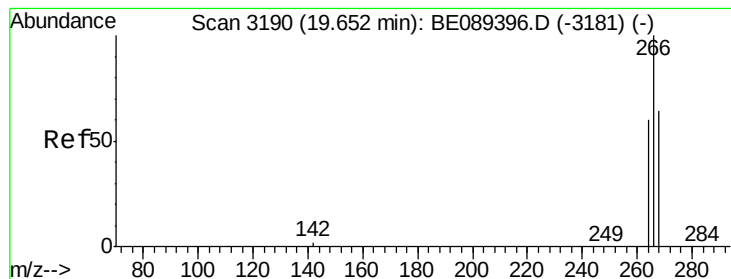
#18
Hexachlorobenzene
Concen: 9.63 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089399.D
Acq: 28 Jan 2015 21:48

Tgt Ion:284 Resp: 49762
Ion Ratio Lower Upper
284 100
142 38.0 30.7 46.1
249 29.7 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: 19.49 ng

RT: 19.65 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

Instrument :

BNA_E

LabSampleId :

SSTDICC010

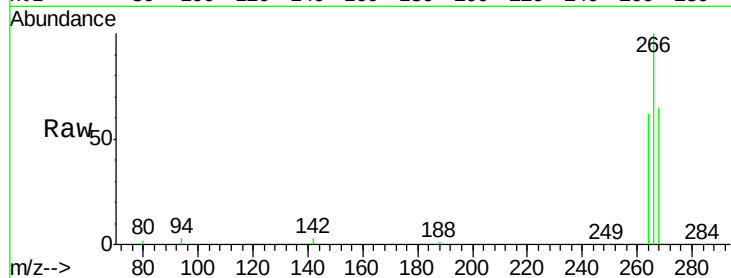
Tgt Ion:266 Resp: 17350

Ion Ratio Lower Upper

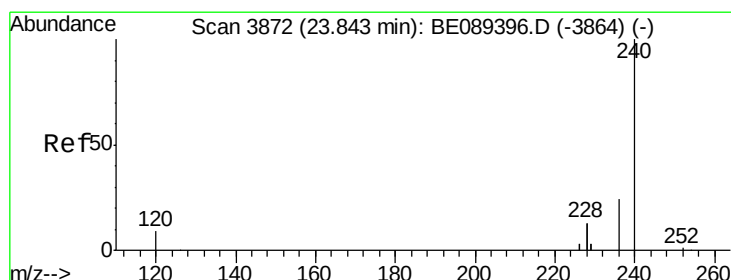
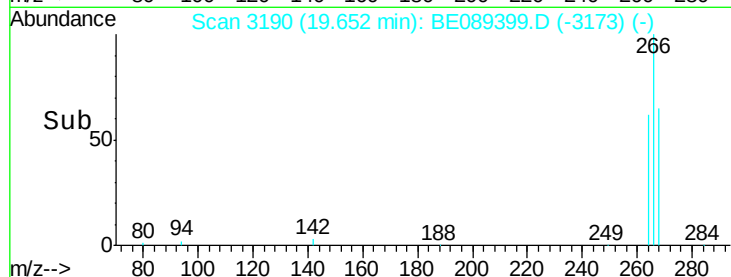
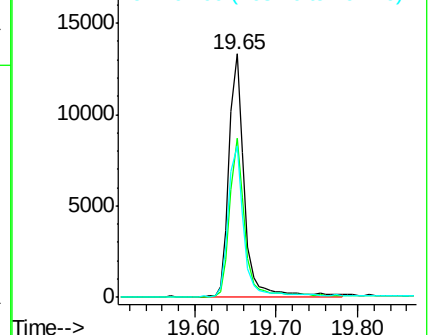
266 100

268 65.2 52.5 78.7

264 62.0 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: BE089399.D

Acq: 28 Jan 2015 21:48

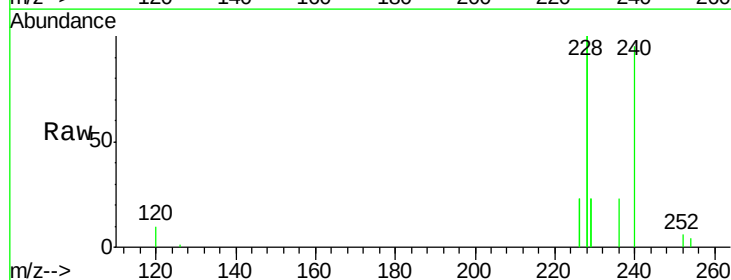
Tgt Ion:240 Resp: 227100

Ion Ratio Lower Upper

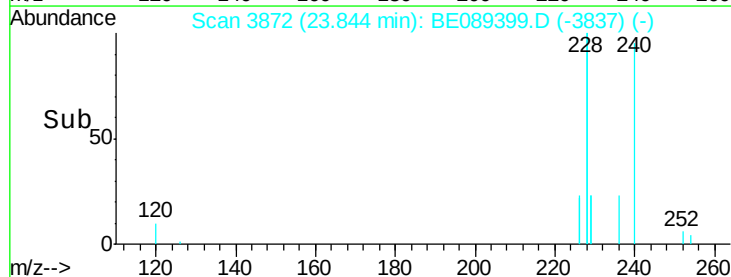
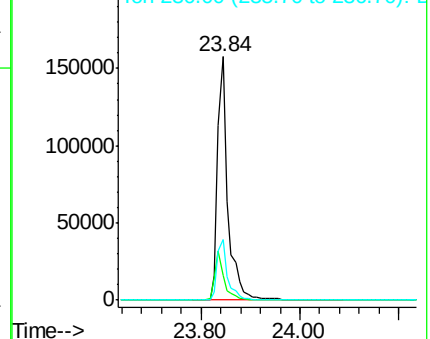
240 100

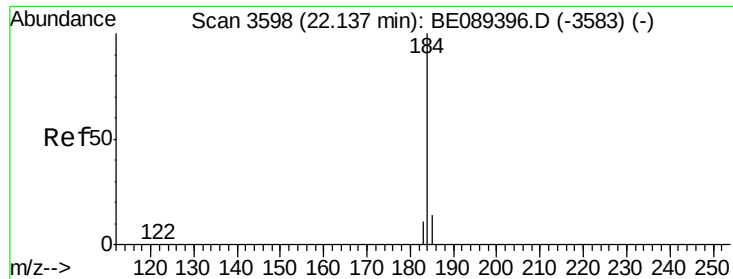
120 10.1 7.1 10.7

236 24.8 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: 13.10 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

Instrument :

BNA_E

LabSampleId :

SSTDIC010

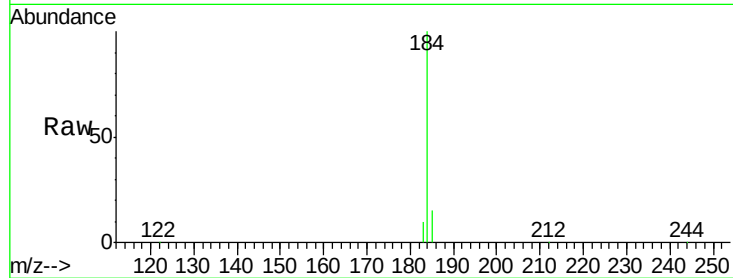
Tgt Ion:184 Resp: 233176

Ion Ratio Lower Upper

184 100

185 15.2 11.4 17.0

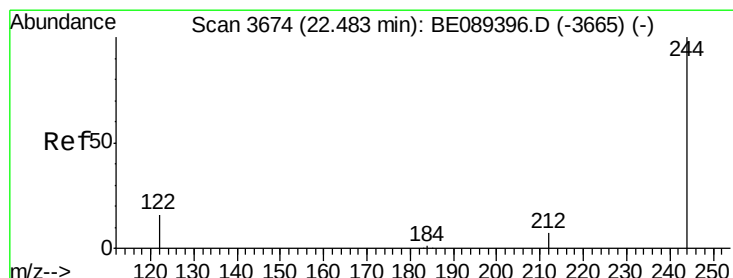
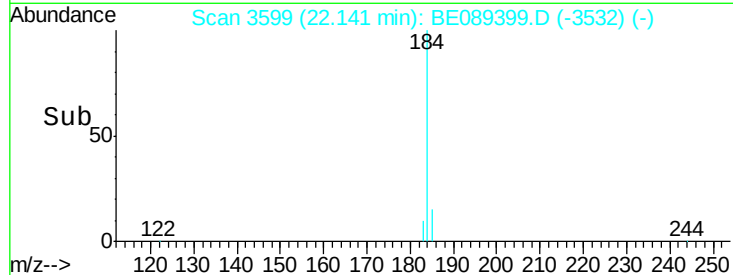
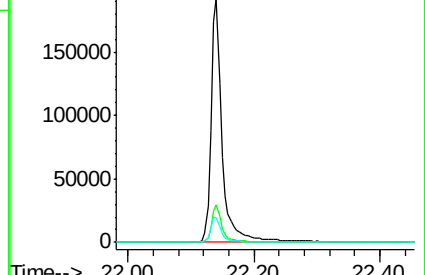
183 10.3 8.7 13.1



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: 8.24 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

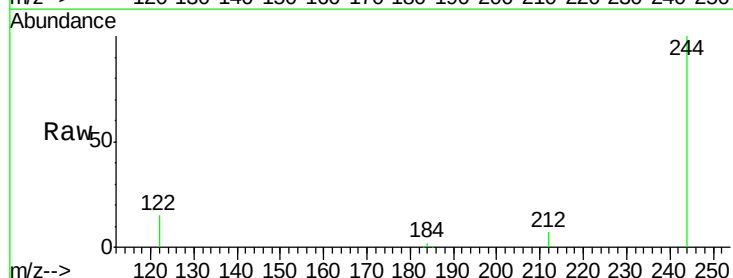
Tgt Ion:244 Resp: 170892

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

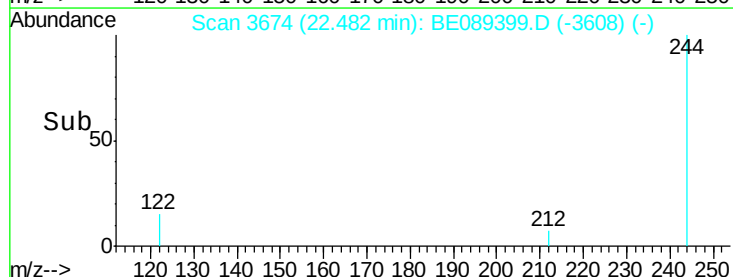
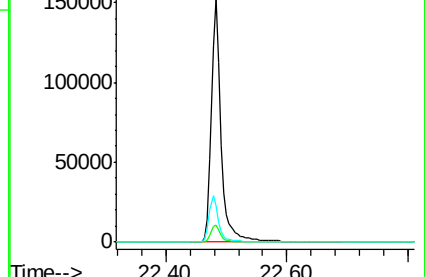
122 15.1 12.8 19.2

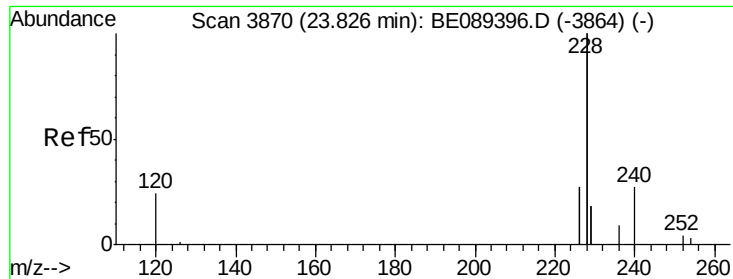


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 13.33 ng

RT: 23.83 min Scan# 3870

Delta R.T. 0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

Instrument :

BNA_E

LabSampleId :

SSTDICC010

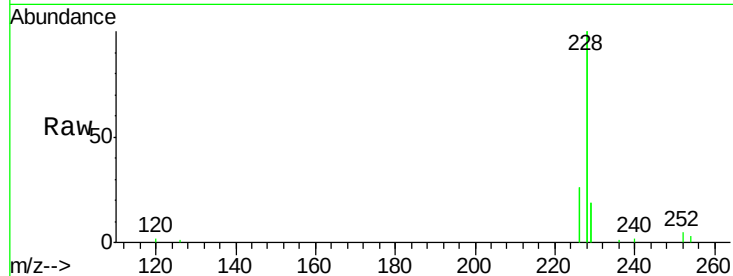
Tgt Ion:228 Resp: 2106827

Ion Ratio Lower Upper

228 100

226 26.4 21.8 32.6

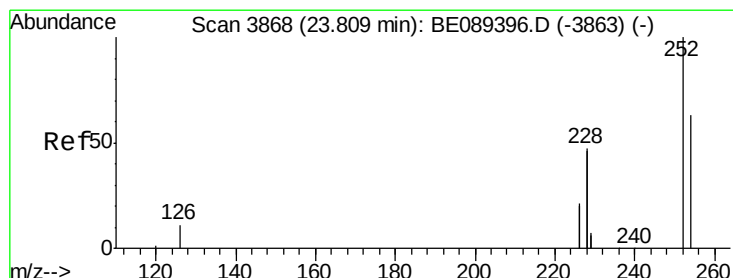
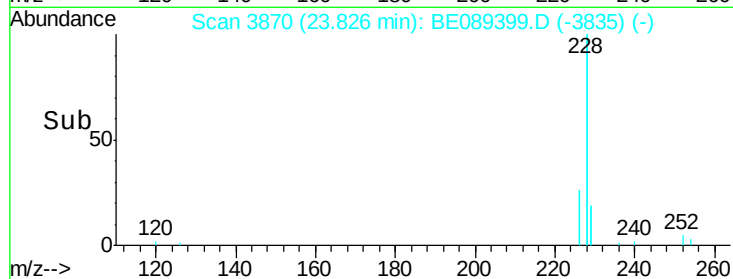
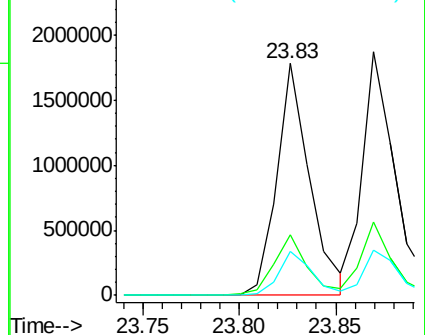
229 19.0 14.5 21.7



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: 17.79 ng

RT: 23.81 min Scan# 3868

Delta R.T. 0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

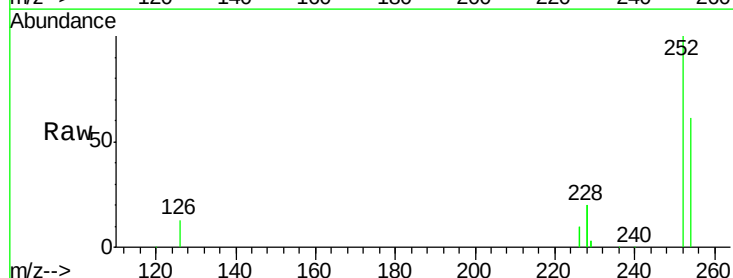
Tgt Ion:252 Resp: 251513

Ion Ratio Lower Upper

252 100

254 61.2 50.2 75.4

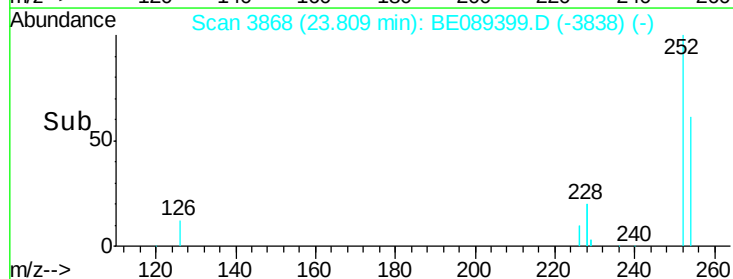
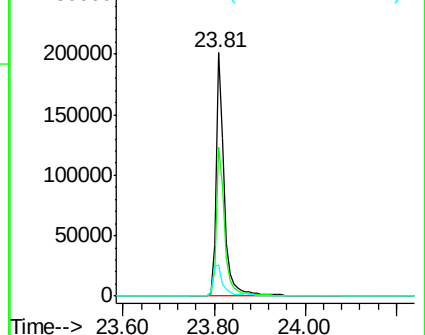
126 12.6 9.8 14.6

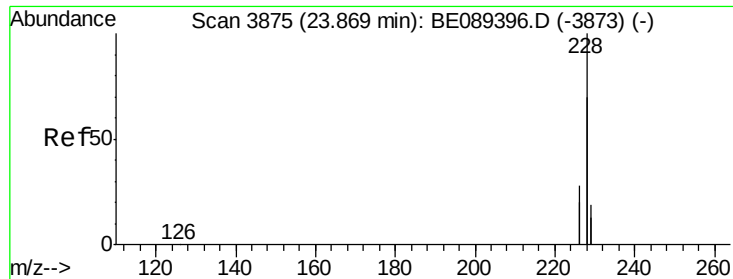


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 9.33 ng

RT: 23.87 min Scan# 3875

Delta R.T. 0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

Instrument :

BNA_E

LabSampleId :

SSTDIC010

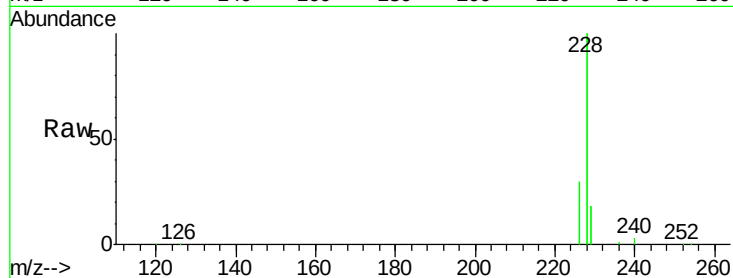
Tgt Ion:228 Resp: 2410374

Ion Ratio Lower Upper

228 100

226 30.1 22.7 34.1

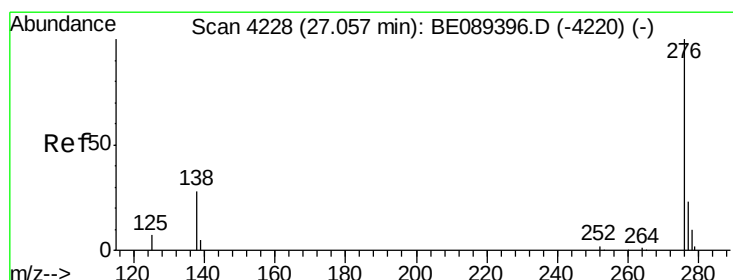
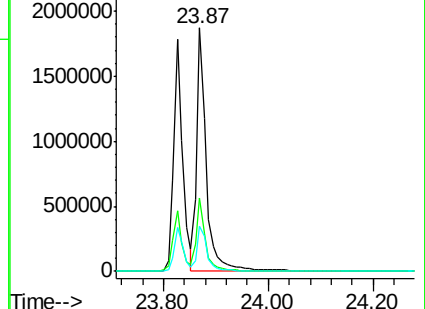
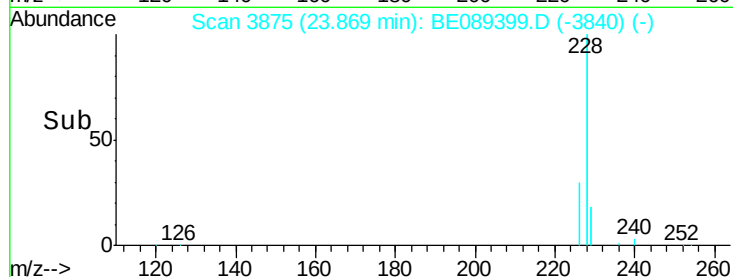
229 18.4 15.2 22.8



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: 13.65 ng

RT: 27.07 min Scan# 4229

Delta R.T. 0.01 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

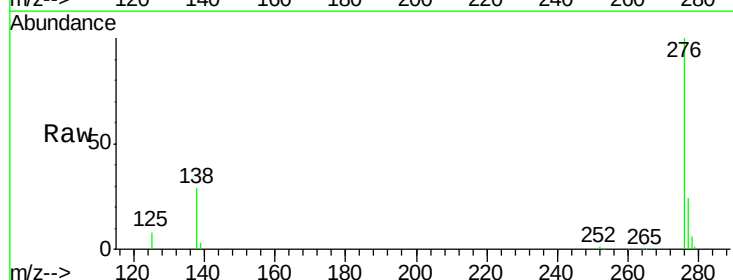
Tgt Ion:276 Resp: 1243569

Ion Ratio Lower Upper

276 100

138 33.2 0.0 0.0#

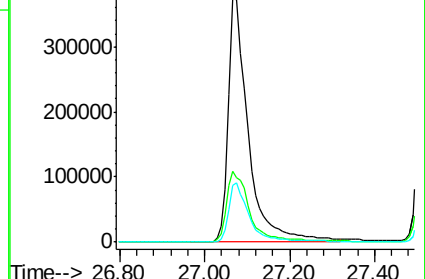
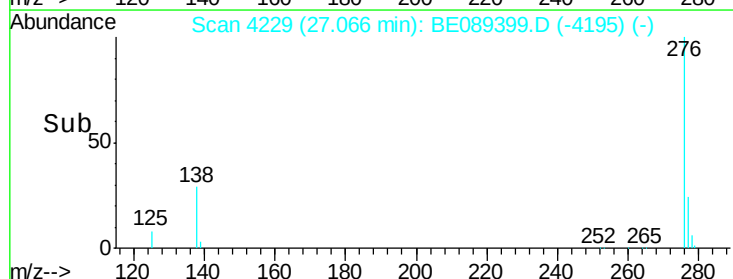
277 24.8 0.0 0.0#

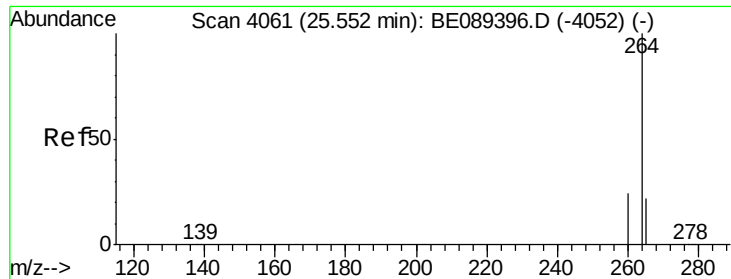


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

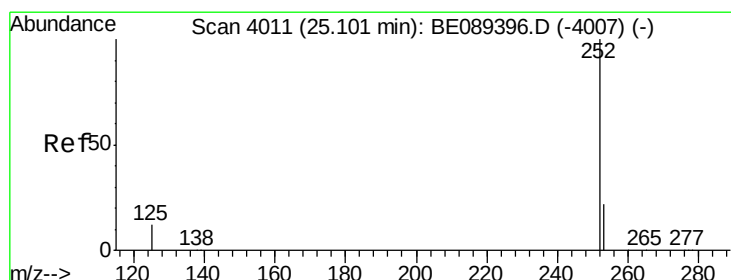
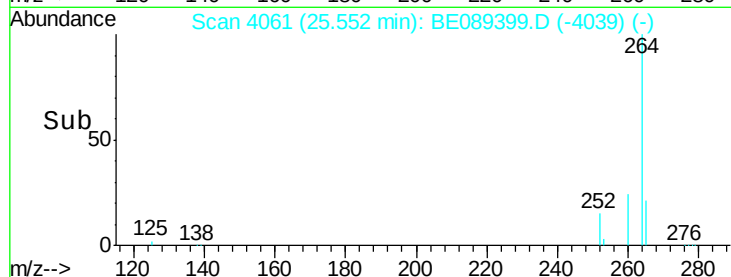
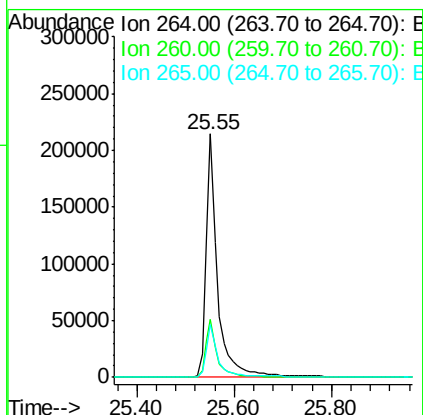
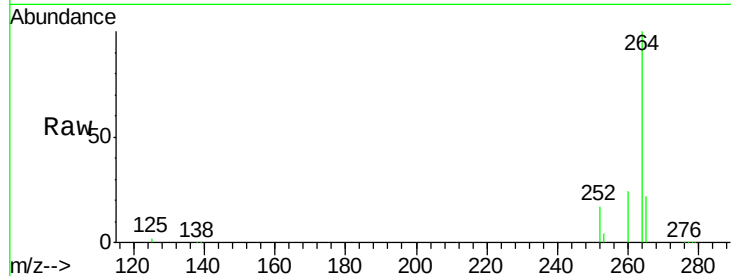




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4061
 Delta R.T. -0.00 min
 Lab File: BE089399.D
 Acq: 28 Jan 2015 21:48

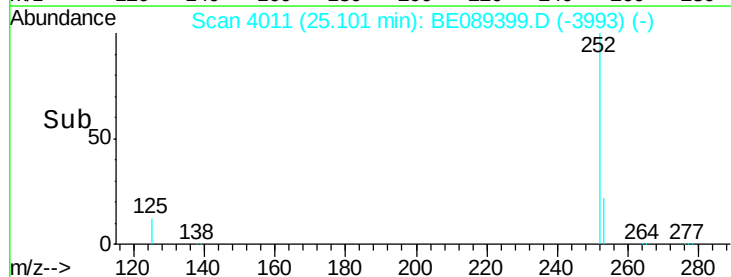
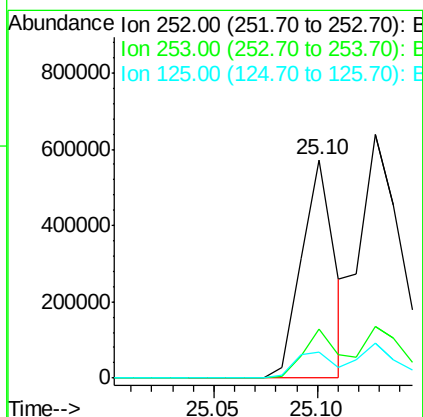
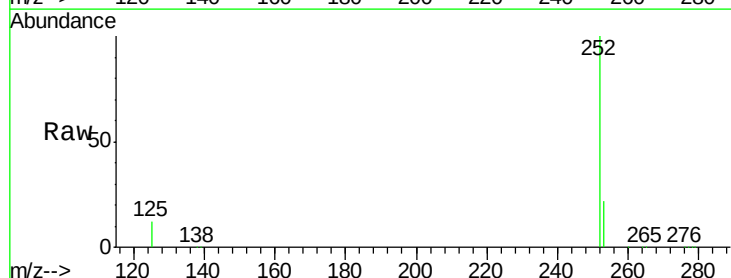
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

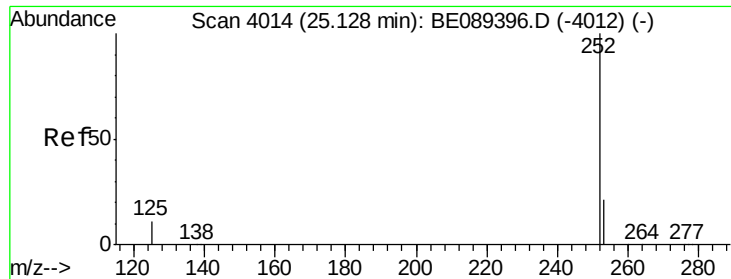
Tgt Ion: 264 Resp: 355398
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 21.6 17.5 26.3



#28
Benzo(b)fluoranthene
 Concen: 26.39 ng
 RT: 25.10 min Scan# 4011
 Delta R.T. -0.00 min
 Lab File: BE089399.D
 Acq: 28 Jan 2015 21:48

Tgt Ion: 252 Resp: 635514
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.6 26.4
 125 11.9 9.8 14.6





#29

Benzo(k)fluoranthene

Concen: 19.06 ng

RT: 25.13 min Scan# 4014

Delta R.T. -0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

Instrument :

BNA_E

LabSampleId :

SSTDICC010

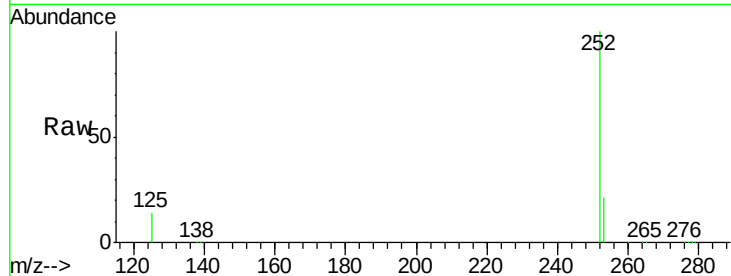
Tgt Ion:252 Resp: 1042211

Ion Ratio Lower Upper

252 100

253 21.3 17.3 25.9

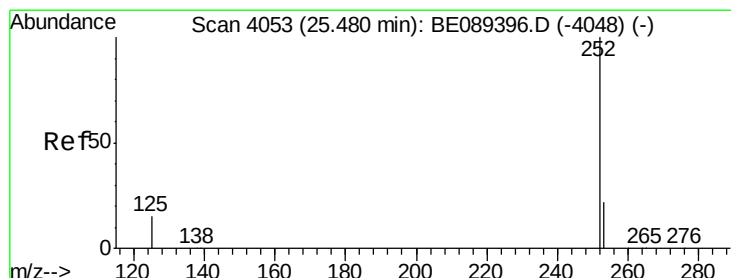
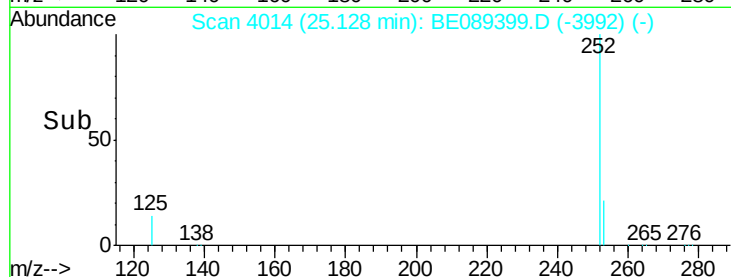
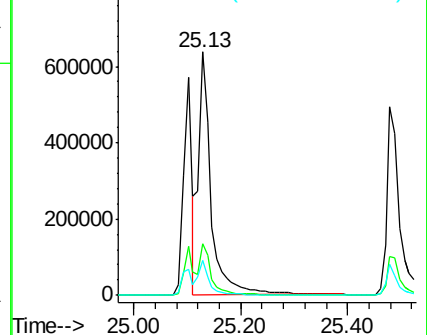
125 14.4 10.2 15.4



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: 27.41 ng

RT: 25.48 min Scan# 4053

Delta R.T. -0.00 min

Lab File: BE089399.D

Acq: 28 Jan 2015 21:48

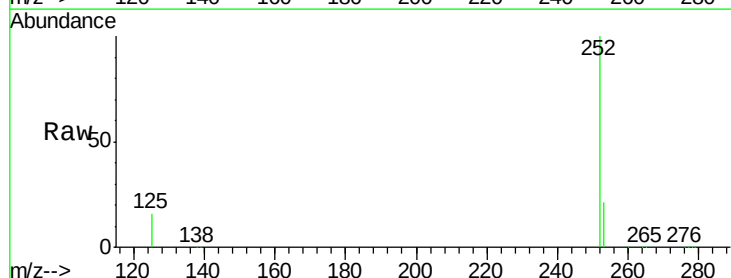
Tgt Ion:252 Resp: 879876

Ion Ratio Lower Upper

252 100

253 20.7 17.5 26.3

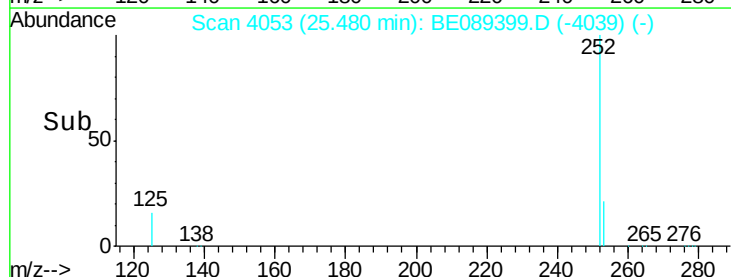
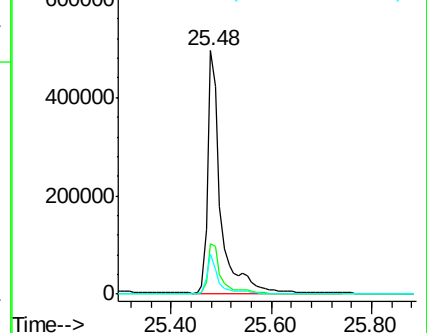
125 16.4 12.2 18.4

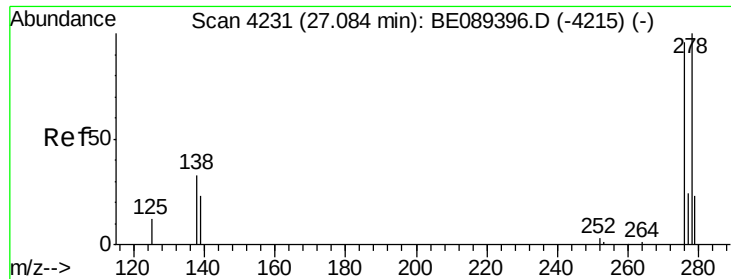


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 37.51 ng

RT: 27.10 min Scan# 4233

Delta R.T. 0.02 min

Lab File: BE089399.D

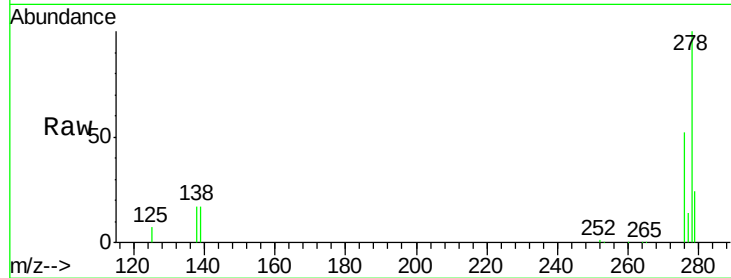
Acq: 28 Jan 2015 21:48

Instrument :

BNA_E

LabSampleId :

SSTDIC010



Tgt Ion:	278	Resp:	966660
Ion	Ratio	Lower	Upper
278	100		
139	16.8	18.5	27.7#
279	24.2	18.6	28.0

