

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012815\
 Data File : BE089392.D
 Acq On : 28 Jan 2015 17:14
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Quant Time: Jan 29 12:41:14 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 11:58:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	129119	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	470387	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	218523	5.00	ng	0.00
17) Phenanthrene-d10	19.98	188	400455	5.00	ng	0.00
20) Chrysene-d12	23.84	240	485916	5.00	ng	0.00
27) Perylene-d12	25.55	264	544643	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.73	112	4944	0.12	ng	0.00
4) Phenol-d6	8.84	99	6378	0.13	ng	0.00
8) Nitrobenzene-d5	10.84	82	3803	0.11	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	567	0.00	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	6842	0.00	ng	0.00
22) Terphenyl-d14	22.48	244	6202	0.12	ng	0.00

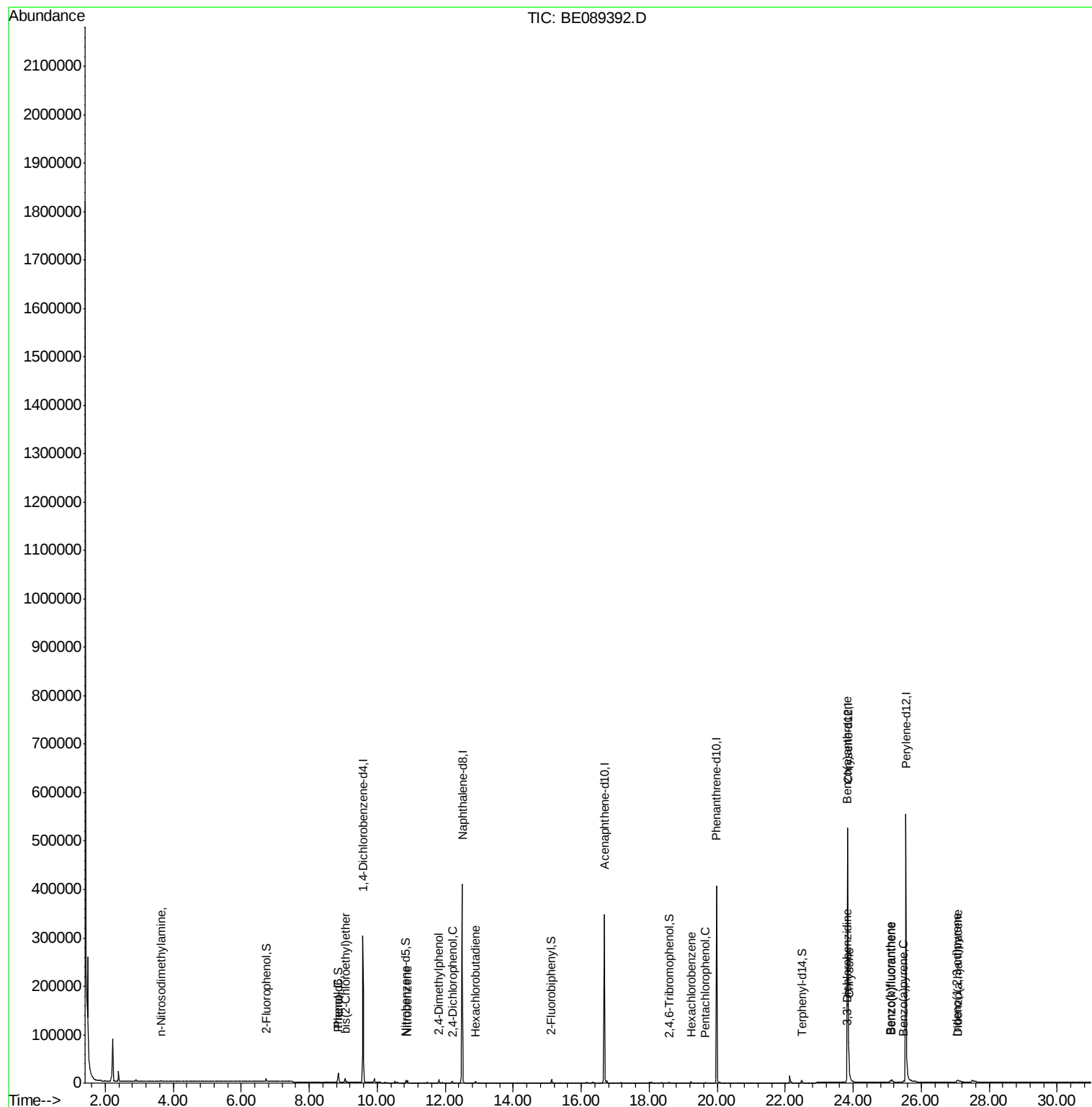
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.63	42	2351m	0.10	ng	
5) Phenol	8.87	94	6572	0.12	ng	# 58
6) bis(2-Chloroethyl)ether	9.06	93	4791	0.12	ng	# 98
9) Nitrobenzene	10.89	77	4163	0.11	ng	99
10) 2,4-Dimethylphenol	11.82	122	3307	0.12	ng	99
11) 2,4-Dichlorophenol	12.21	162	2554	0.12	ng	96
12) Hexachlorobutadiene	12.89	225	1832	0.12	ng	99
18) Hexachlorobenzene	19.23	284	2049	0.11	ng	98
19) Pentachlorophenol	19.65	266	361	0.10	ng	91
23) Benzo(a)anthracene	23.83	228	50533	0.11	ng	100
24) 3,3'-Dichlorobenzidine	23.81	252	3126	0.09	ng	# 96
25) Chrysene	23.87	228	61805	0.11	ng	99
26) Indeno(1,2,3-cd)pyrene	27.05	276	7857	0.06	ng	# 100
28) Benzo(b)fluoranthene	25.09	252	5767m	0.08	ng	
29) Benzo(k)fluoranthene	25.13	252	13691m	0.08	ng	
30) Benzo(a)pyrene	25.48	252	6451	0.08	ng	# 92
31) Dibenzo(a,h)anthracene	27.08	278	5908	0.07	ng	# 91

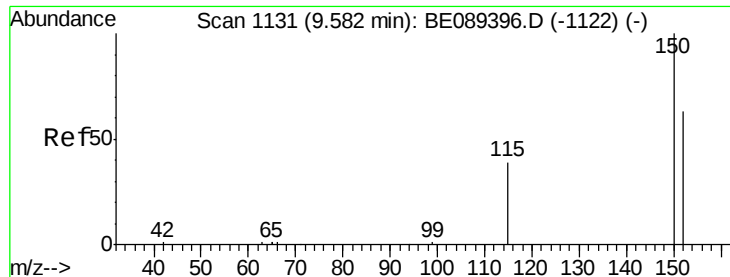
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

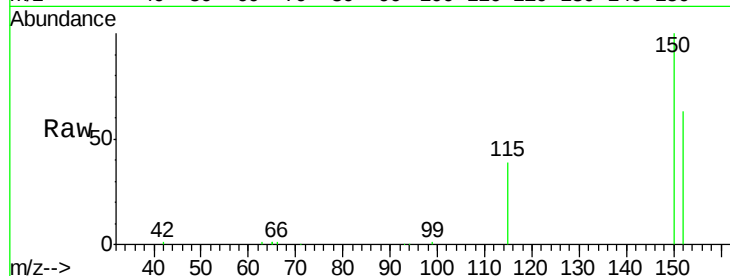
Tgt Ion: 152 Resp: 129119

Ion Ratio Lower Upper

152 100

150 158.4 127.2 190.8

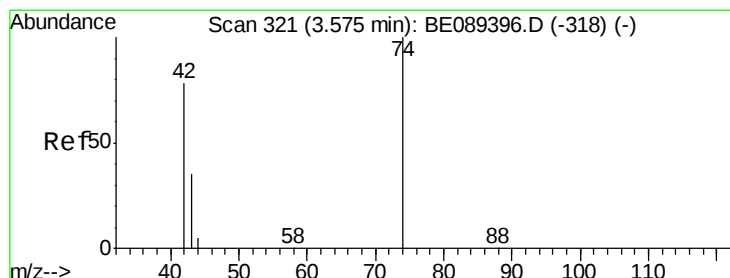
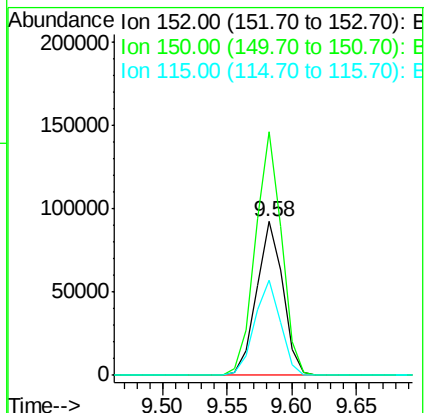
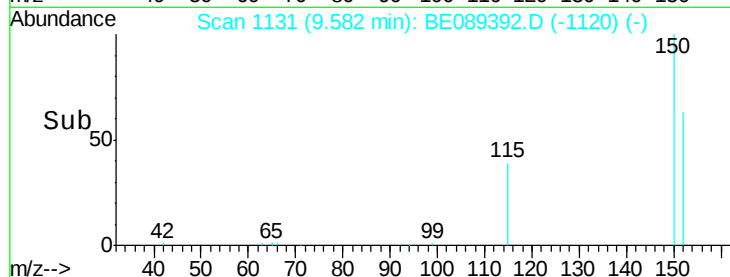
115 62.0 49.3 73.9



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: 0.10 ng m

RT: 3.63 min Scan# 329

Delta R.T. 0.07 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

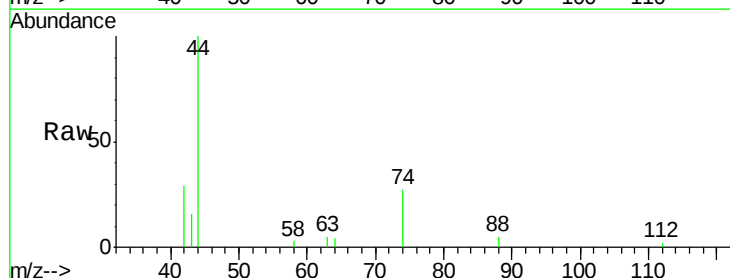
Tgt Ion: 42 Resp: 2351

Ion Ratio Lower Upper

42 100

74 92.2 101.2 151.8#

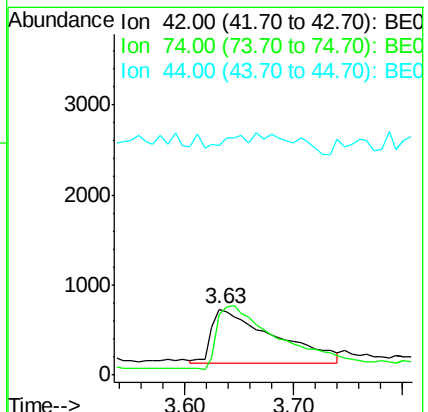
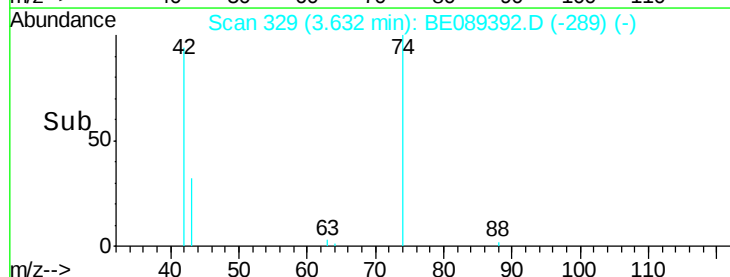
44 347.6 26.4 39.6#

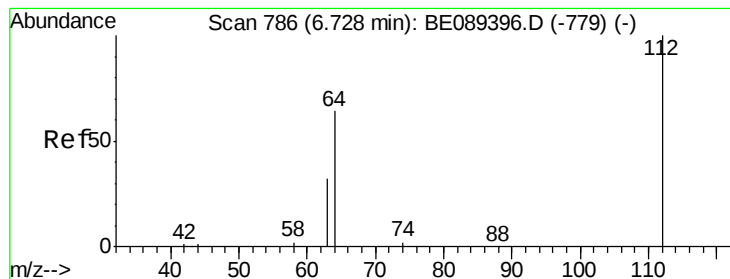


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 0.12 ng

RT: 6.73 min Scan# 786

Delta R.T. 0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

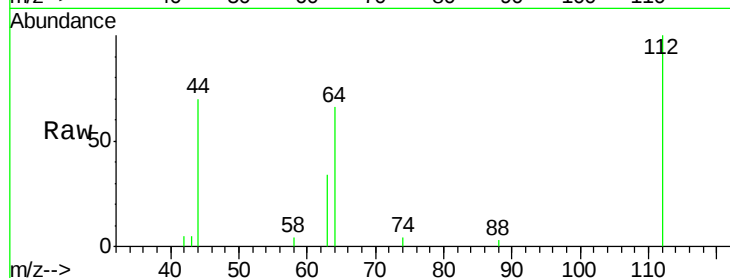
Tgt Ion: 112 Resp: 4944

Ion Ratio Lower Upper

112 100

64 66.4 51.7 77.5

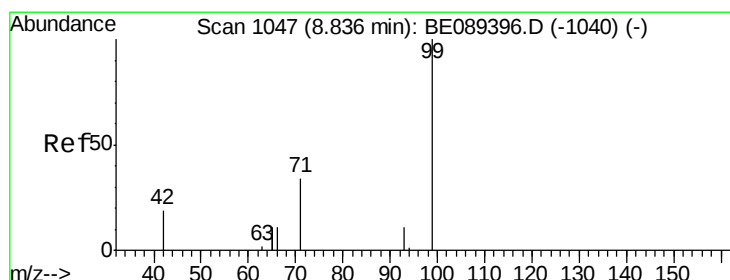
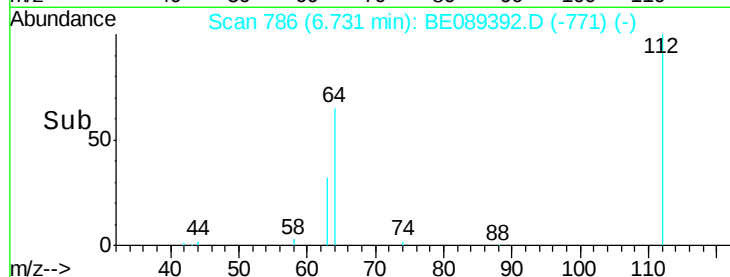
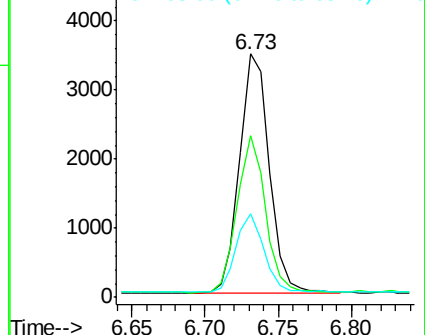
63 34.1 25.7 38.5



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: 0.13 ng

RT: 8.84 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

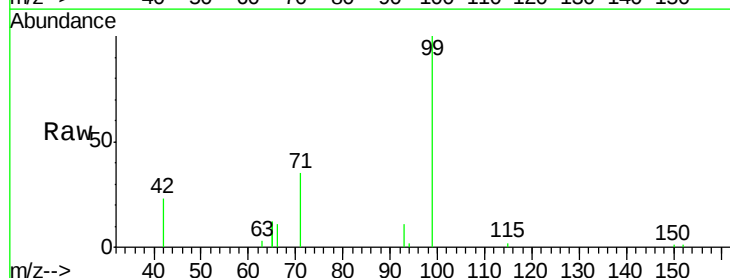
Tgt Ion: 99 Resp: 6378

Ion Ratio Lower Upper

99 100

42 22.6 15.3 22.9

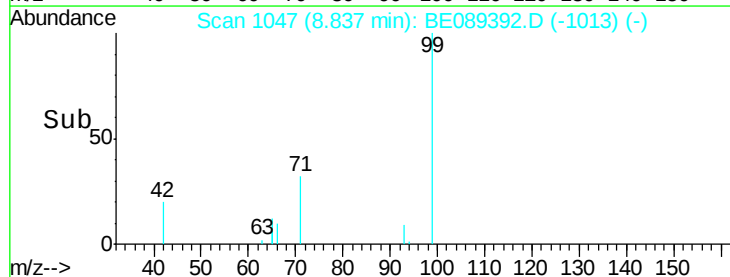
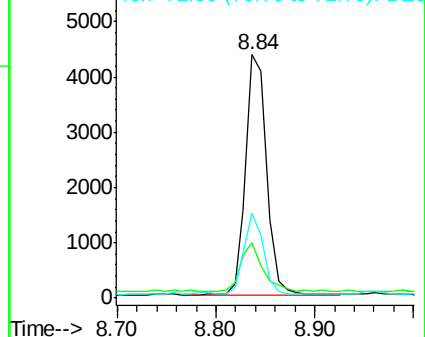
71 35.0 27.0 40.6

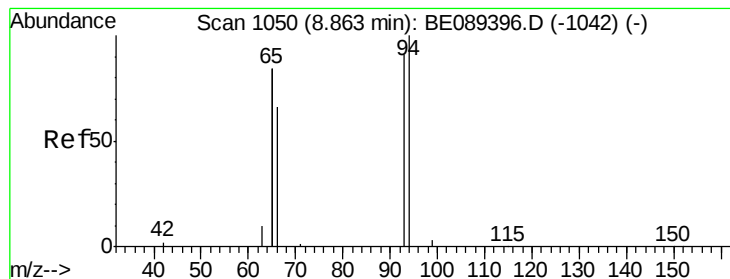


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.12 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

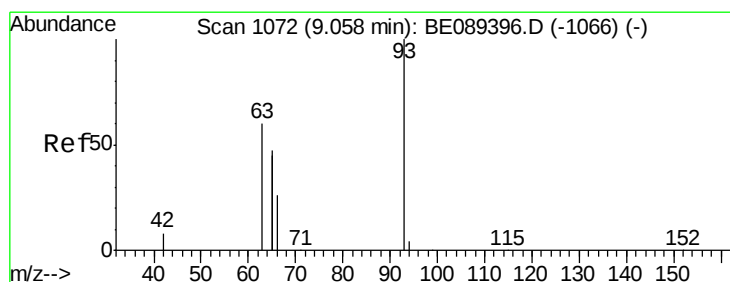
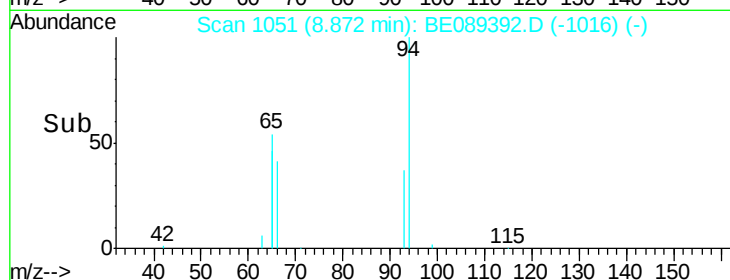
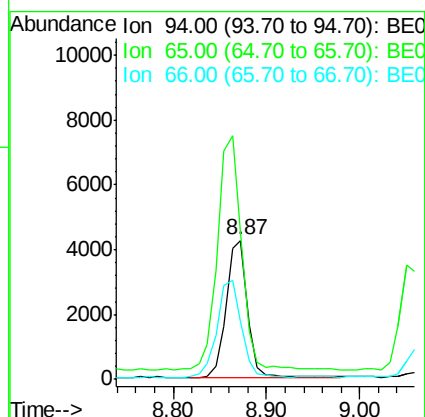
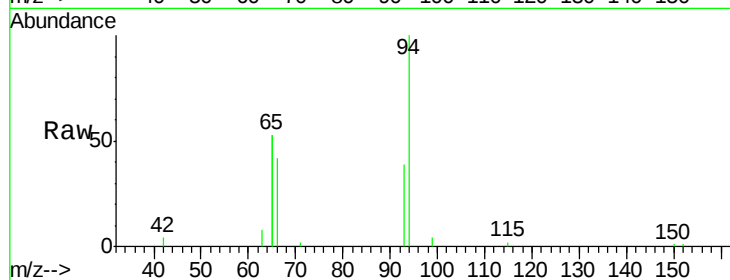
Tgt Ion: 94 Resp: 6572

Ion Ratio Lower Upper

94 100

65 106.1 148.6 188.6#

66 41.6 46.2 86.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.12 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

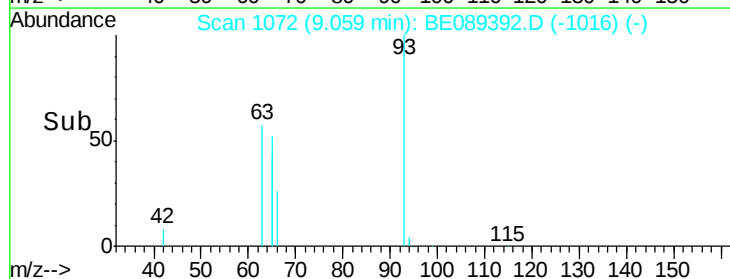
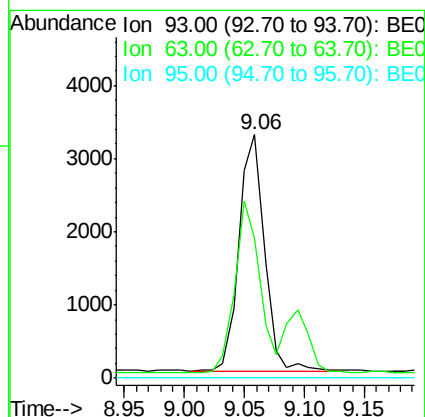
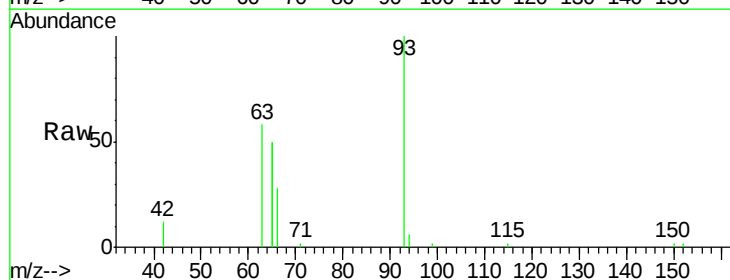
Tgt Ion: 93 Resp: 4791

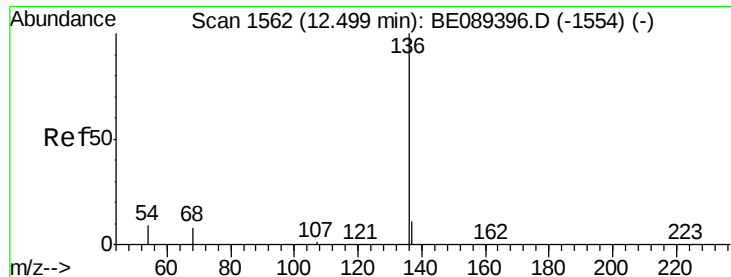
Ion Ratio Lower Upper

93 100

63 71.6 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: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

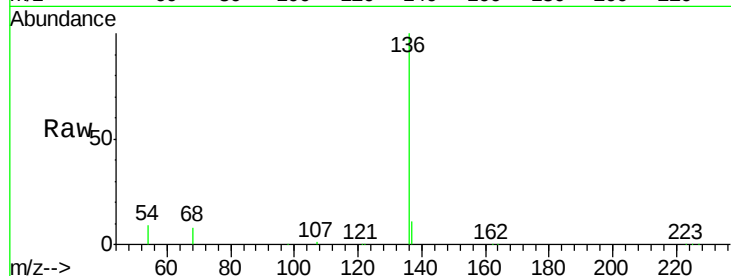
Tgt Ion:136 Resp: 470387

Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

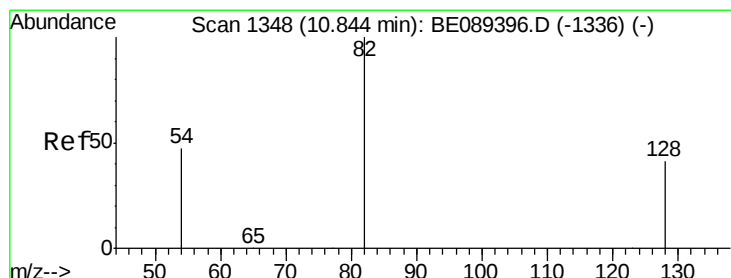
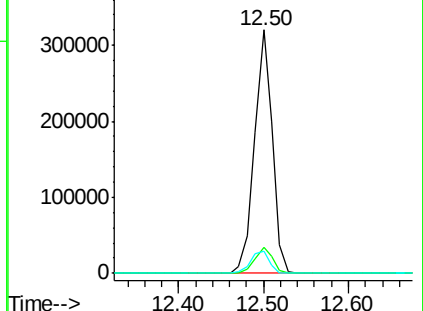
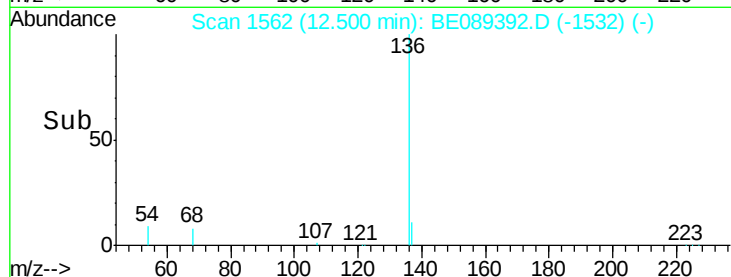
54 9.1 7.4 11.0



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: 0.11 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

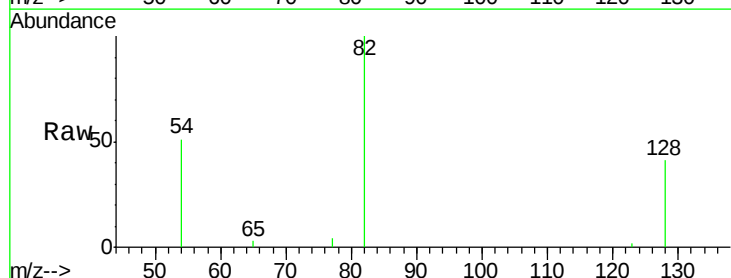
Tgt Ion: 82 Resp: 3803

Ion Ratio Lower Upper

82 100

128 41.3 33.6 50.4

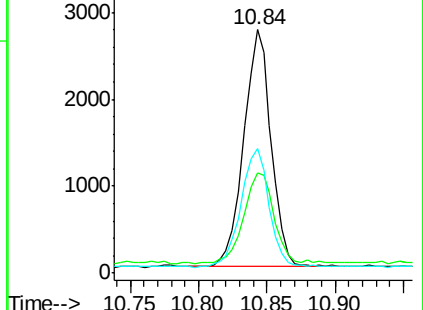
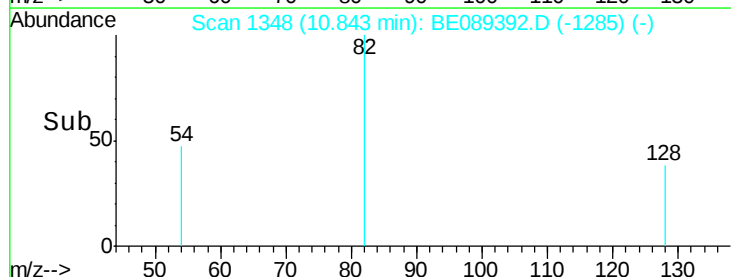
54 50.9 37.7 56.5

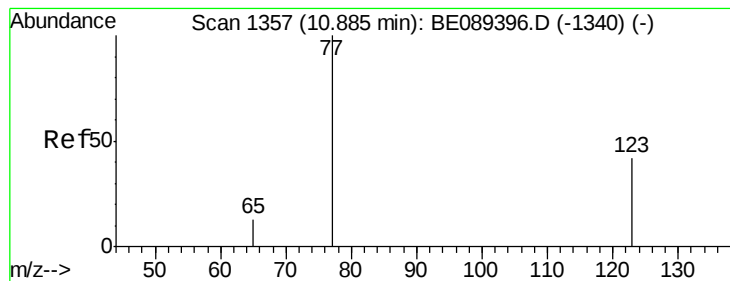


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.11 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

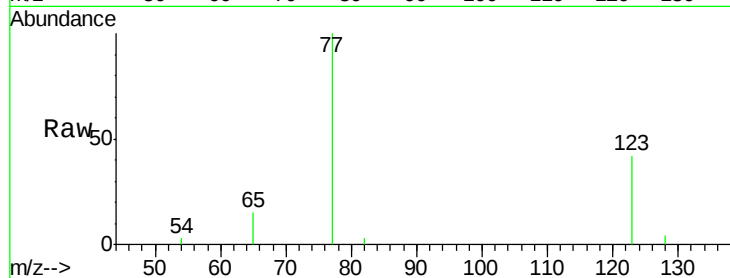
Tgt Ion: 77 Resp: 4163

Ion Ratio Lower Upper

77 100

123 42.5 34.7 52.1

65 13.9 10.6 15.8

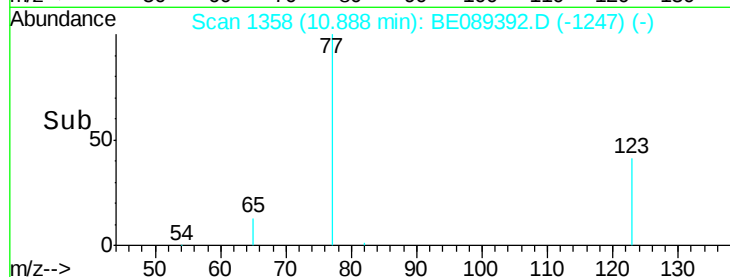


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

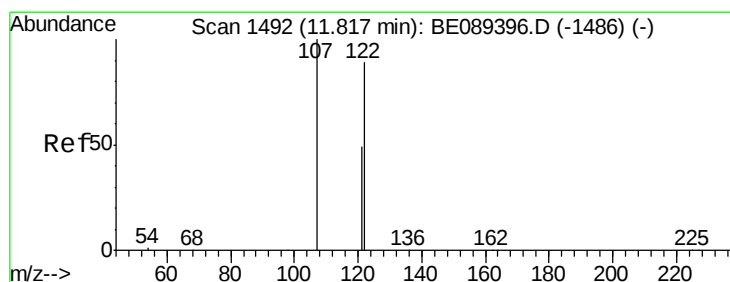
Ion 65.00 (64.70 to 65.70): BE0

Time-->



10.89

Time-->



#10

2,4-Dimethylphenol

Concen: 0.12 ng

RT: 11.82 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

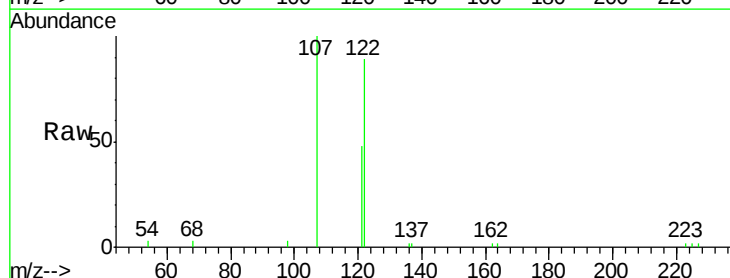
Tgt Ion: 122 Resp: 3307

Ion Ratio Lower Upper

122 100

107 112.7 89.4 134.2

121 54.1 43.6 65.4

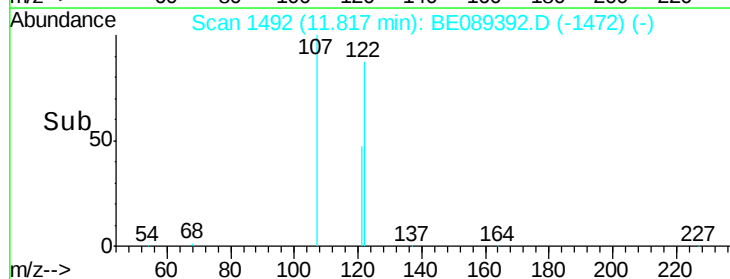


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

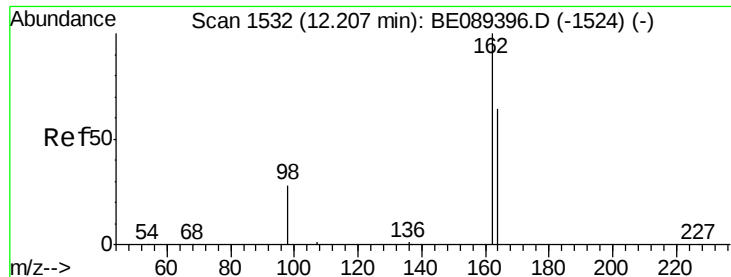
Ion 121.00 (120.70 to 121.70): E

Time-->



11.82

Time-->



#11

2,4-Dichlorophenol

Concen: 0.12 ng

RT: 12.21 min Scan# 1532

Delta R.T. 0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

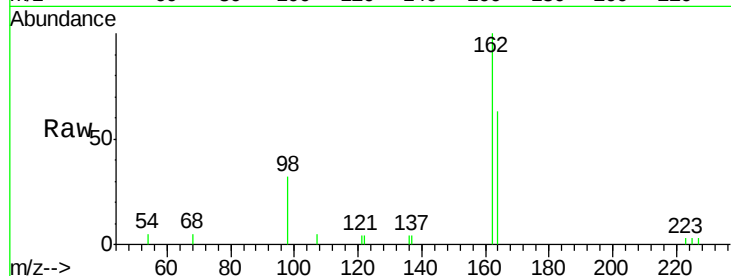
Tgt Ion:162 Resp: 2554

Ion Ratio Lower Upper

162 100

164 62.9 44.6 84.6

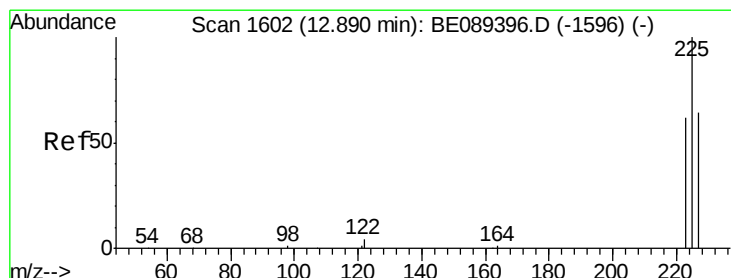
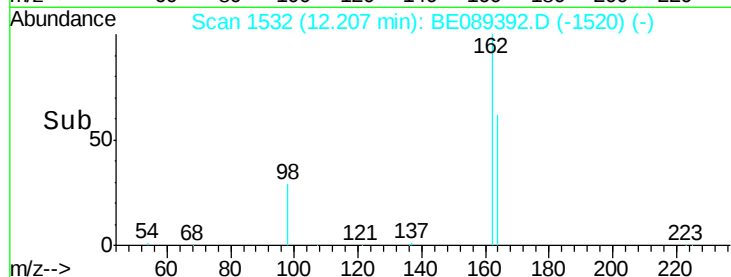
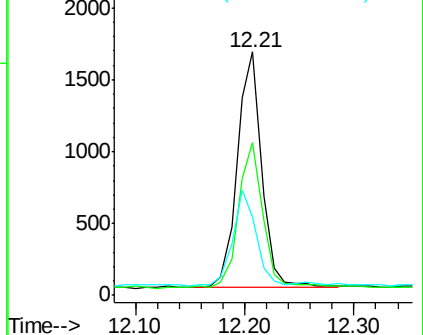
98 32.3 8.7 48.7



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): BE0



#12

Hexachlorobutadiene

Concen: 0.12 ng

RT: 12.89 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

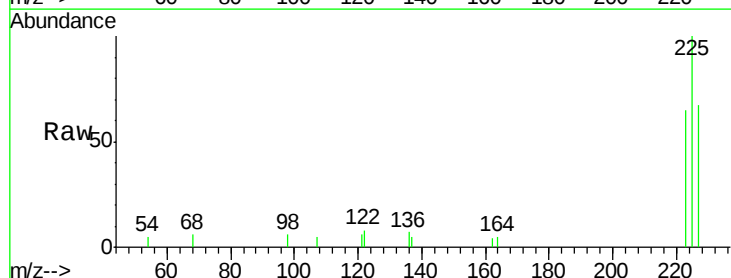
Tgt Ion:225 Resp: 1832

Ion Ratio Lower Upper

225 100

223 62.8 50.2 75.4

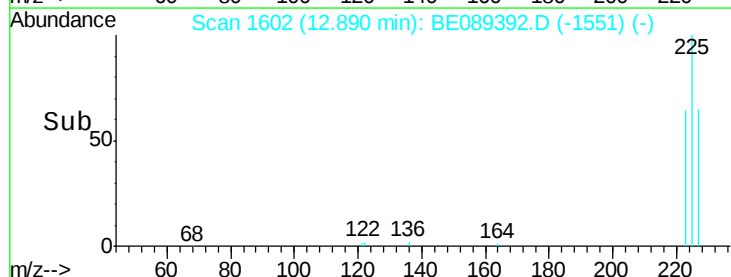
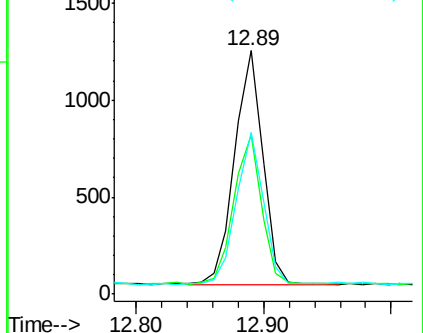
227 62.3 50.5 75.7

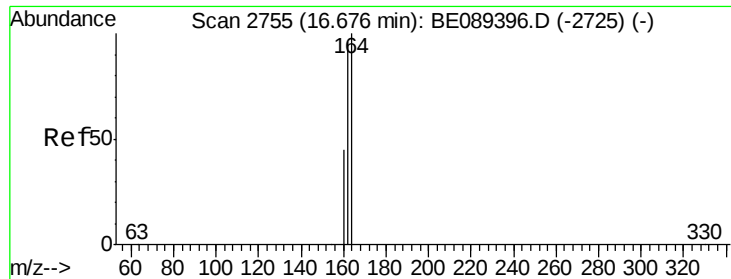


Abundance Ion 225.00 (224.70 to 225.70): E

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: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

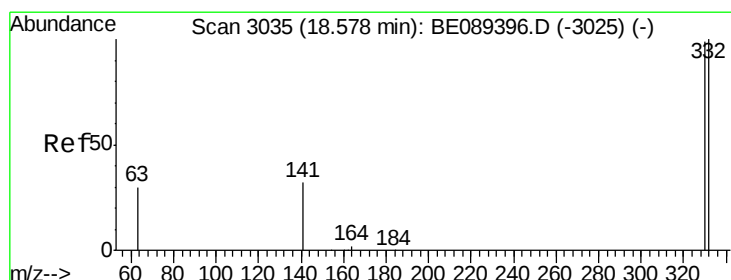
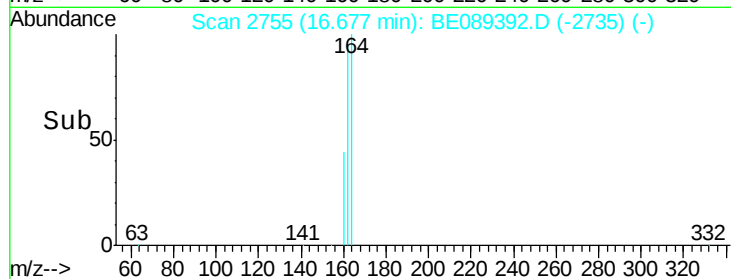
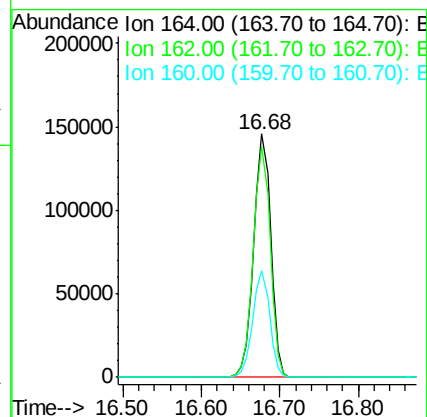
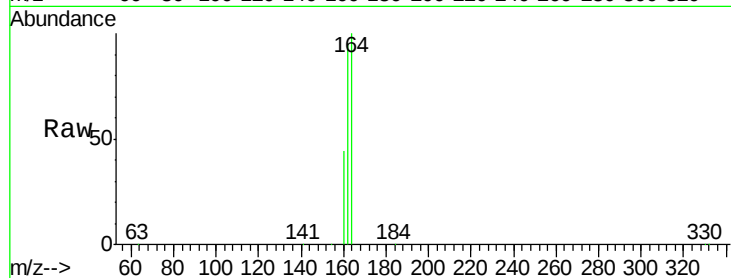
Tgt Ion:164 Resp: 218523

Ion Ratio Lower Upper

164 100

162 95.0 123.9 185.9#

160 43.7 0.0 0.0#



#14

2,4,6-Tribromophenol

Concen: 0.00 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

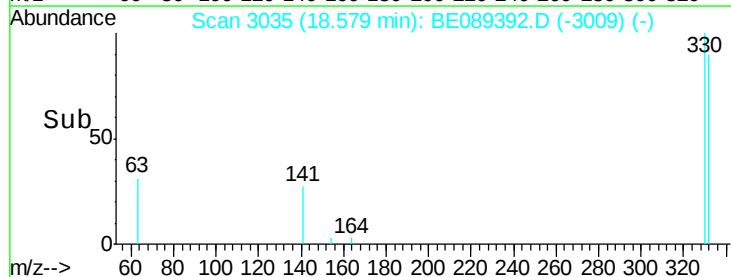
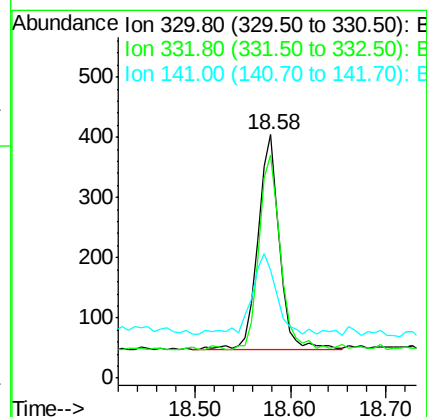
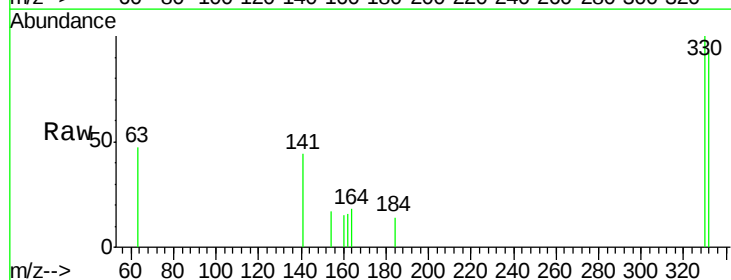
Tgt Ion:330 Resp: 567

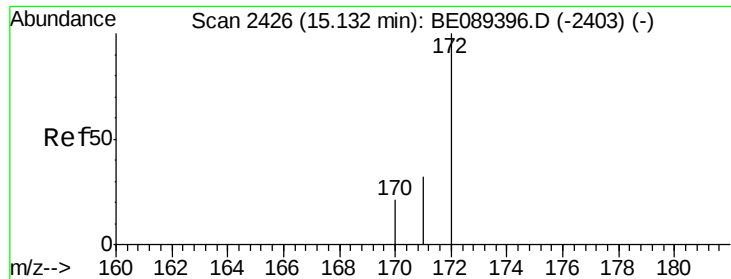
Ion Ratio Lower Upper

330 100

332 90.1 77.5 116.3

141 40.9 32.4 48.6

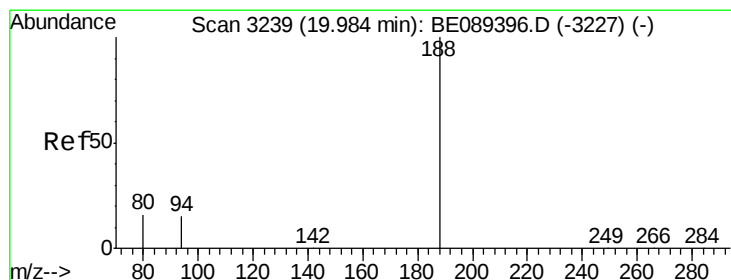
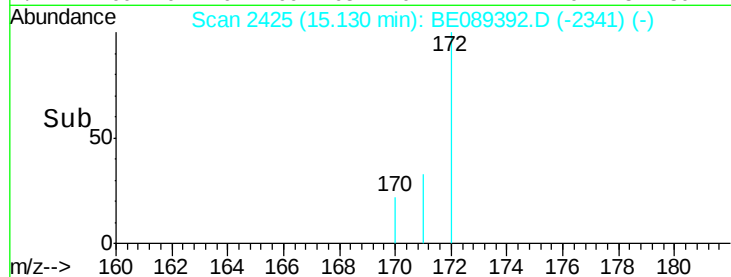
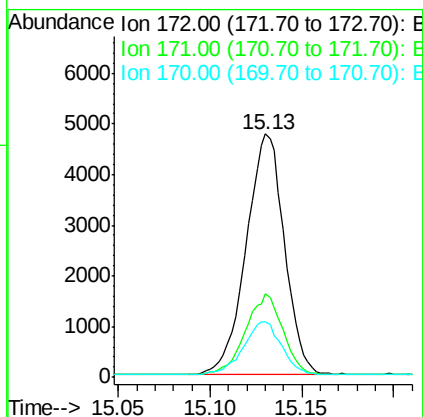
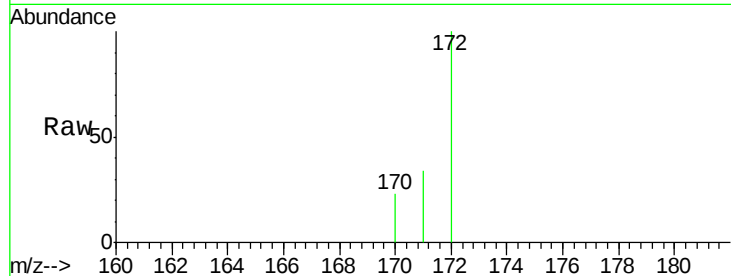




#15
2-Fluorobiphenyl
Concen: 0.00 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089392.D
Acq: 28 Jan 2015 17:14

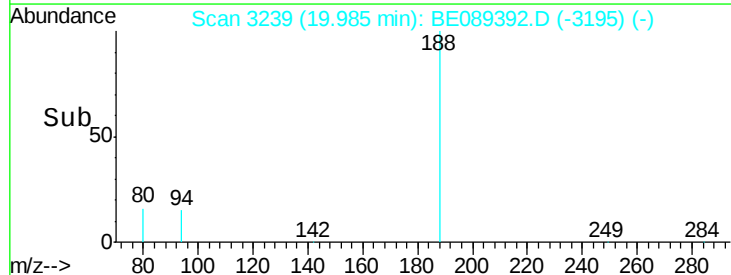
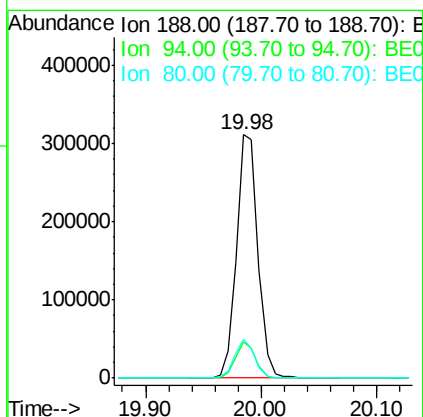
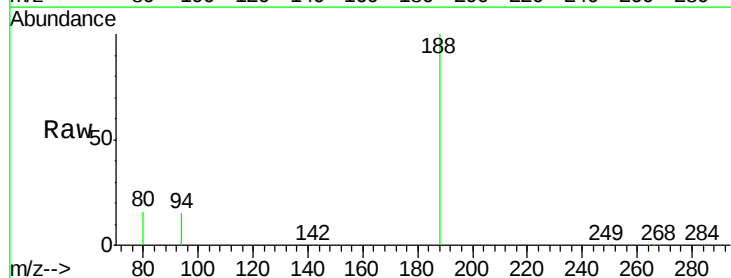
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

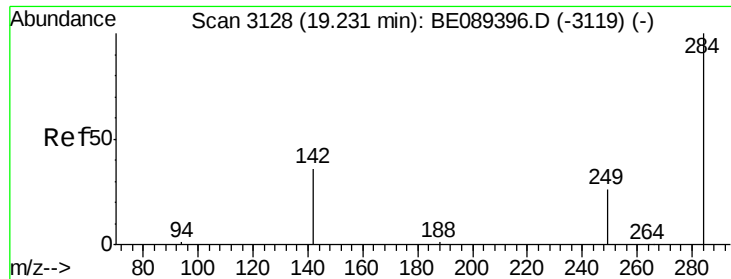
Tgt Ion:172 Resp: 6842
Ion Ratio Lower Upper
172 100
171 34.2 25.6 38.4
170 22.6 17.0 25.4



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.98 min Scan# 3239
Delta R.T. 0.00 min
Lab File: BE089392.D
Acq: 28 Jan 2015 17:14

Tgt Ion:188 Resp: 400455
Ion Ratio Lower Upper
188 100
94 14.7 12.0 18.0
80 16.1 13.2 19.8

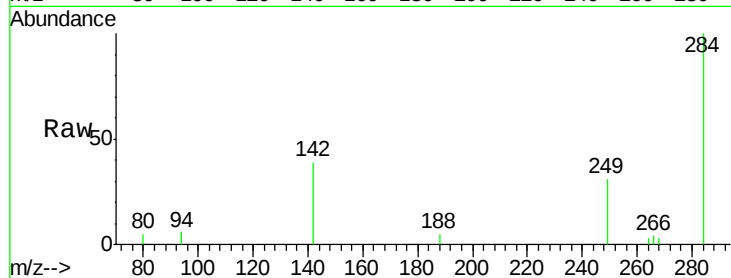




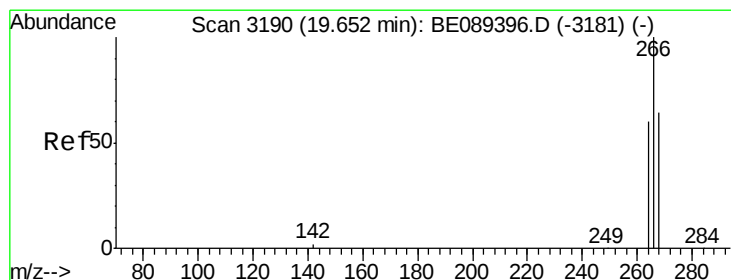
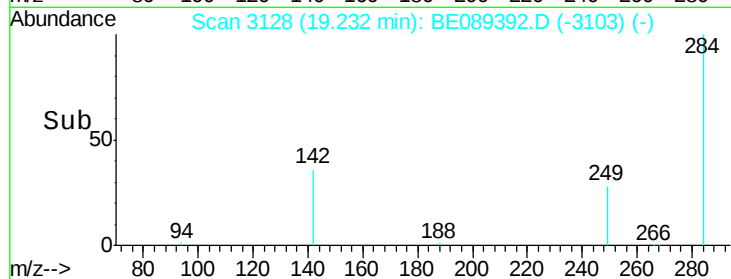
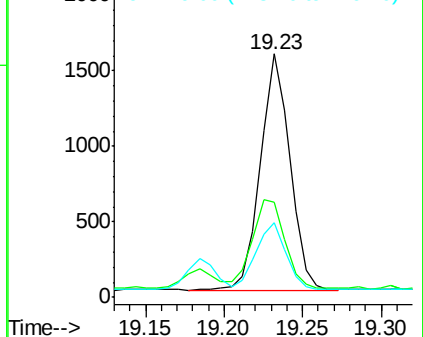
#18
Hexachlorobenzene
Concen: 0.11 ng
RT: 19.23 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BE089392.D
Acq: 28 Jan 2015 17:14

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion: 284 Resp: 2049
Ion Ratio Lower Upper
284 100
142 39.1 30.7 46.1
249 30.6 23.4 35.2

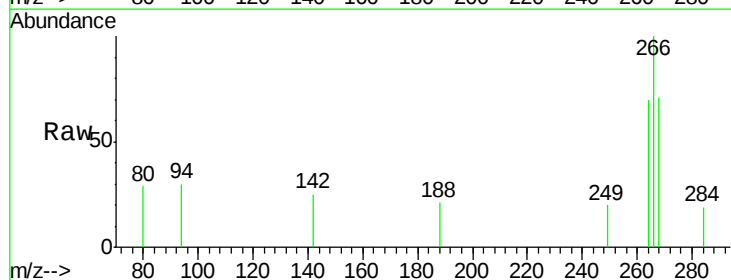


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

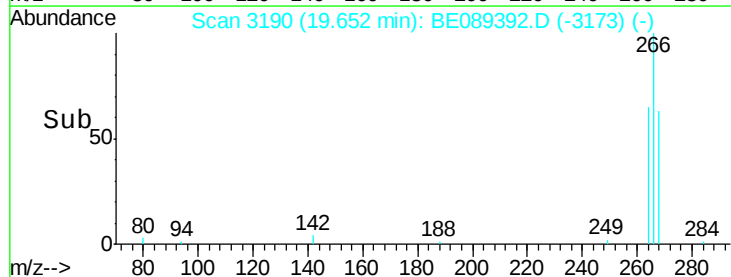
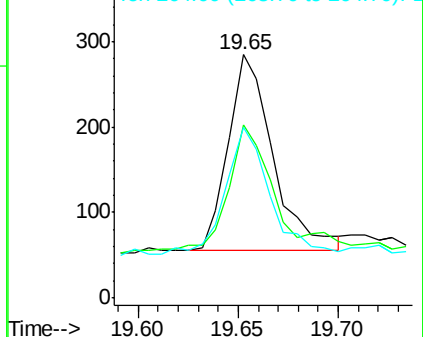


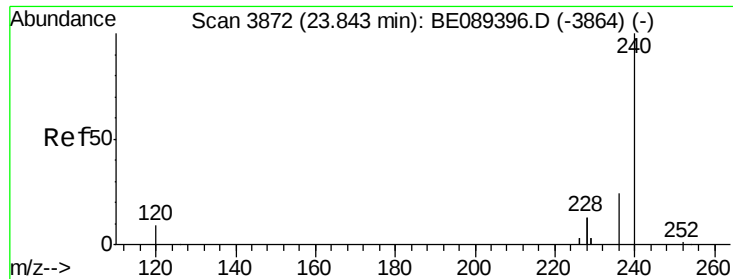
#19
Pentachlorophenol
Concen: 0.10 ng
RT: 19.65 min Scan# 3190
Delta R.T. 0.00 min
Lab File: BE089392.D
Acq: 28 Jan 2015 17:14

Tgt Ion: 266 Resp: 361
Ion Ratio Lower Upper
266 100
268 70.9 52.5 78.7
264 69.8 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# 3873

Delta R.T. -0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

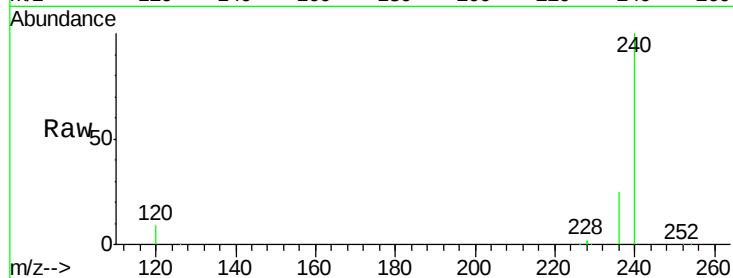
Tgt Ion:240 Resp: 485916

Ion Ratio Lower Upper

240 100

120 8.6 7.1 10.7

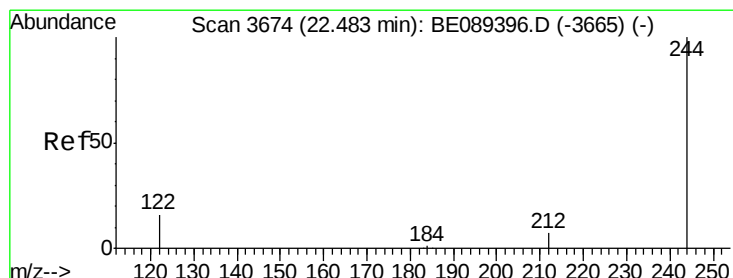
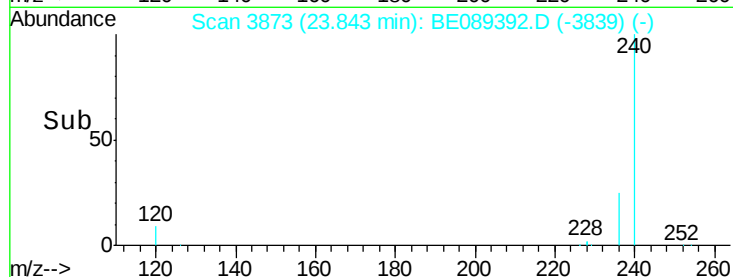
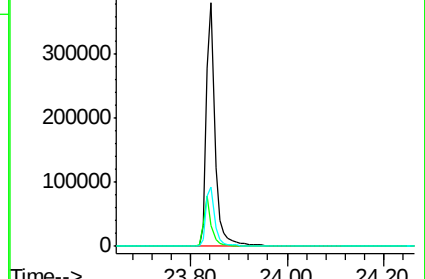
236 24.6 19.5 29.3



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



#22

Terphenyl-d14

Concen: 0.12 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

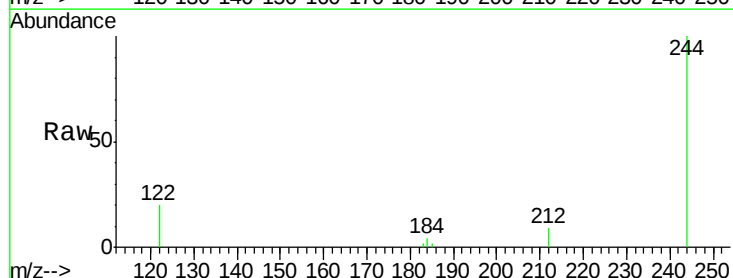
Tgt Ion:244 Resp: 6202

Ion Ratio Lower Upper

244 100

212 9.1 5.9 8.9#

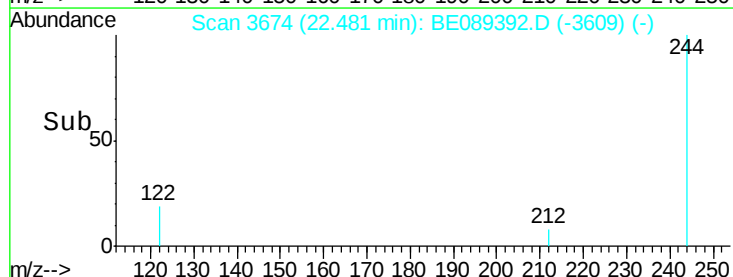
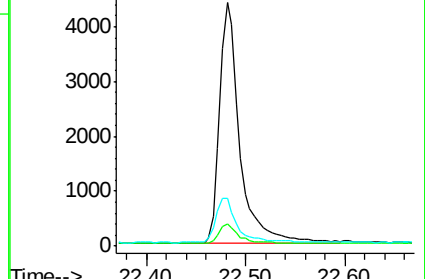
122 19.9 12.8 19.2#

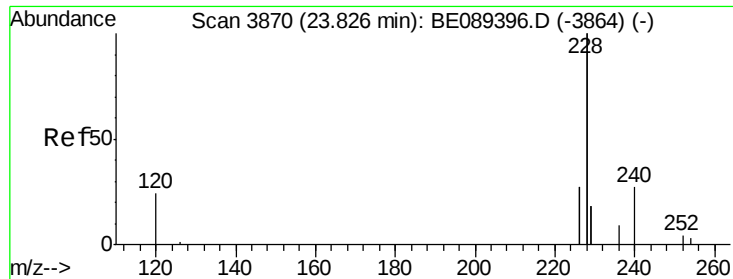


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 0.11 ng

RT: 23.83 min Scan# 3871

Delta R.T. -0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

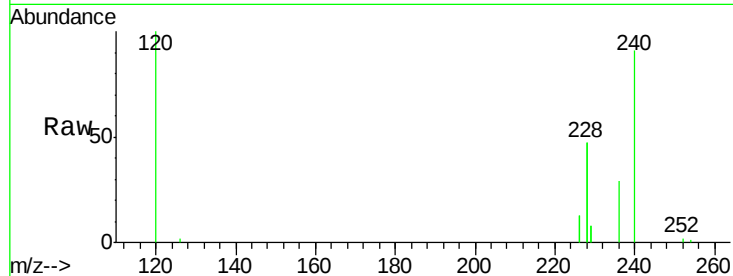
Tgt Ion:228 Resp: 50533

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.6

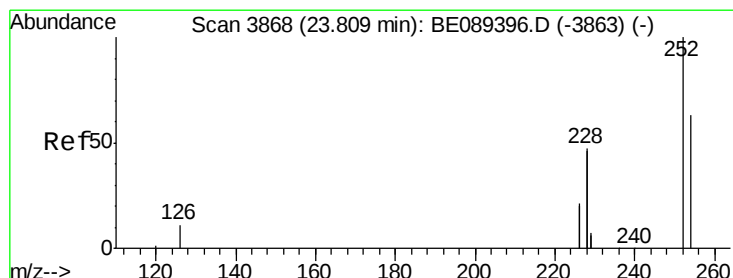
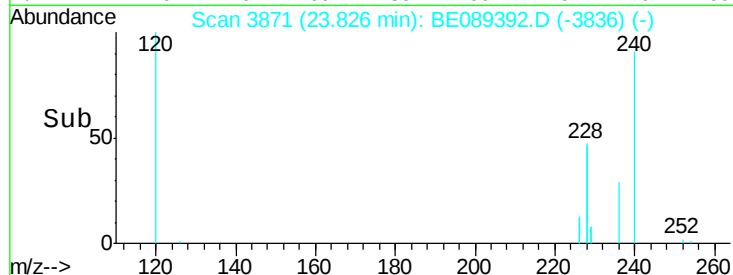
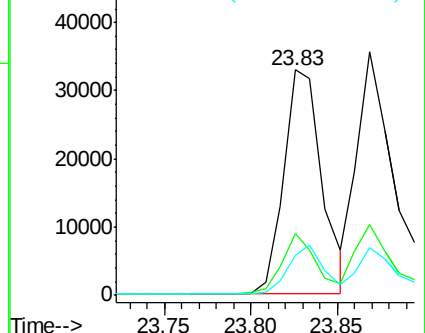
229 18.0 14.5 21.7



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: 0.09 ng

RT: 23.81 min Scan# 3869

Delta R.T. -0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

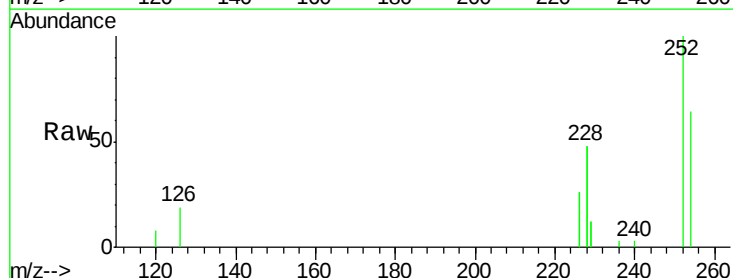
Tgt Ion:252 Resp: 3126

Ion Ratio Lower Upper

252 100

254 64.2 50.2 75.4

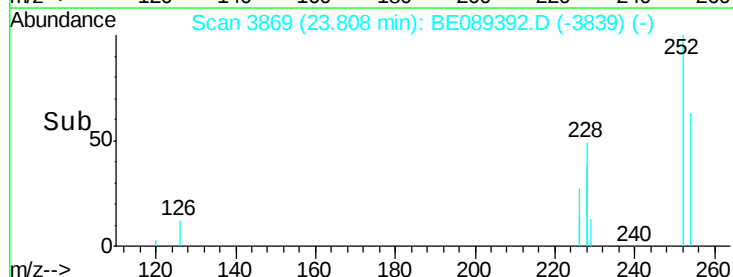
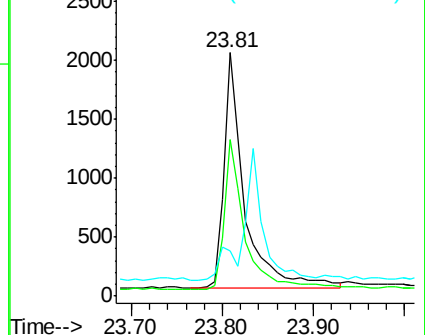
126 18.7 9.8 14.6#

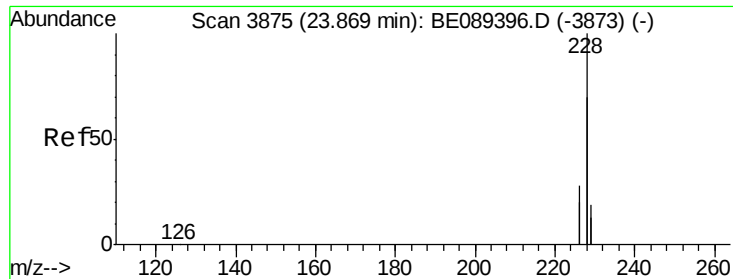


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.11 ng

RT: 23.87 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

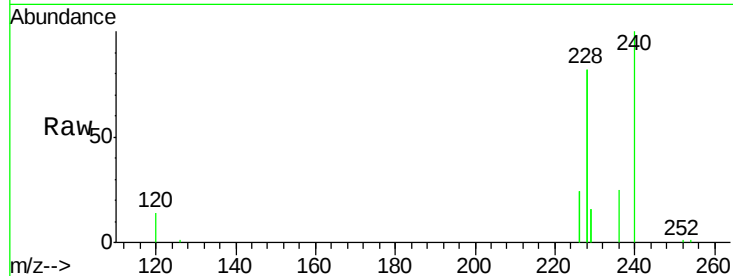
Tgt Ion:228 Resp: 61805

Ion Ratio Lower Upper

228 100

226 29.1 22.7 34.1

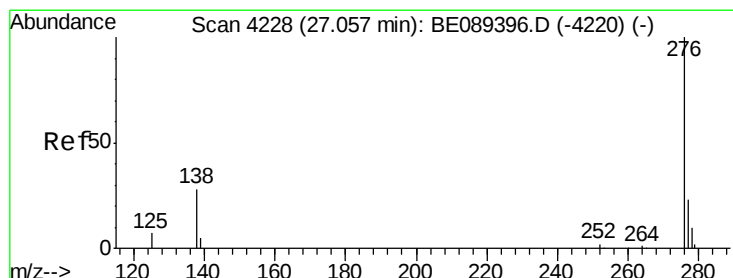
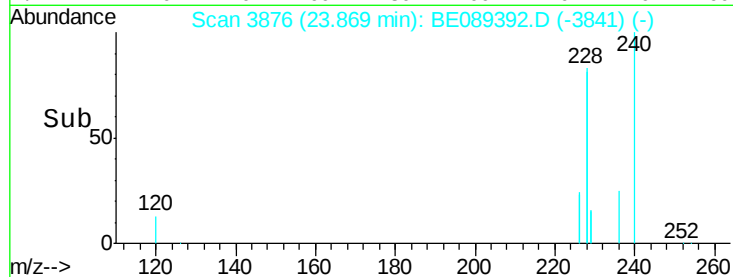
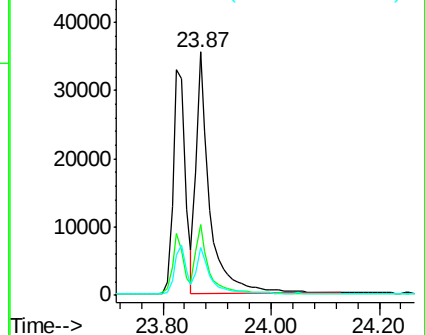
229 19.6 15.2 22.8



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: 0.06 ng

RT: 27.05 min Scan# 4228

Delta R.T. -0.02 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

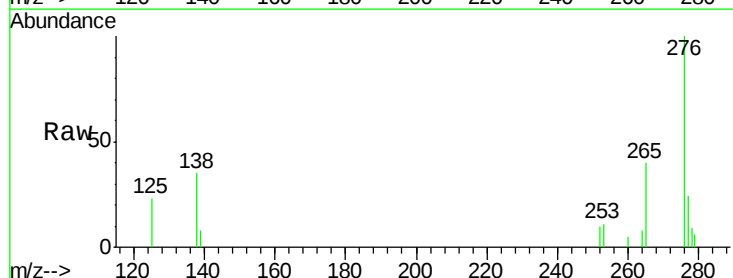
Tgt Ion:276 Resp: 7857

Ion Ratio Lower Upper

276 100

138 34.0 0.0 0.0#

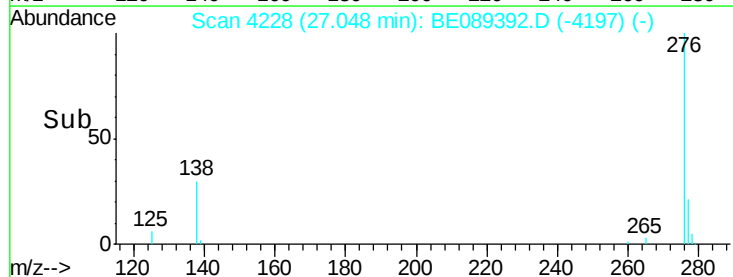
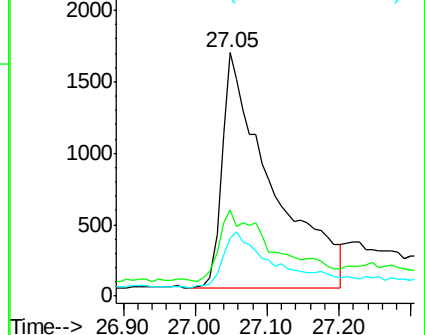
277 25.6 0.0 0.0#

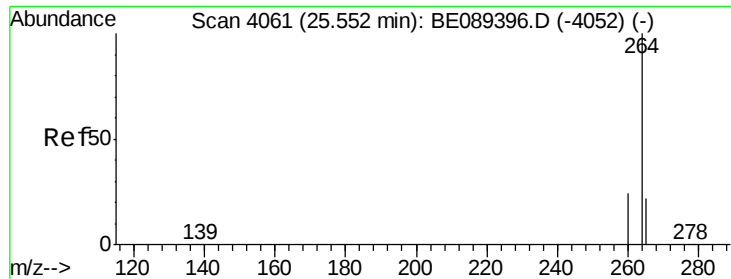


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

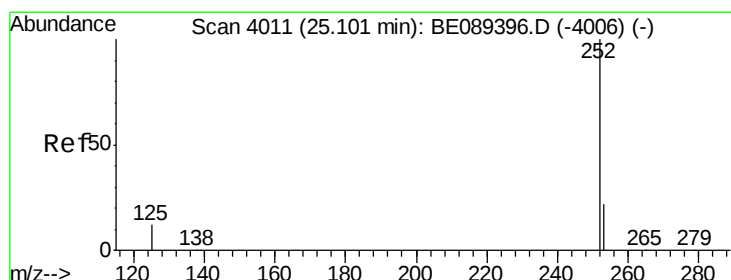
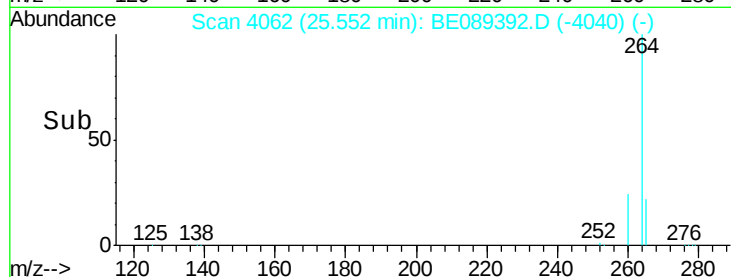
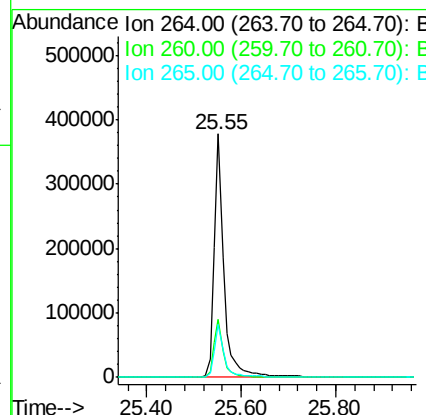
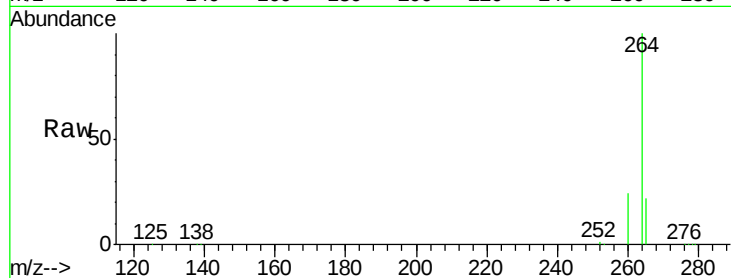




#27
Perylene-d12
Concen: 5.00 ng
RT: 25.55 min Scan# 4062
Delta R.T. -0.00 min
Lab File: BE089392.D
Acq: 28 Jan 2015 17:14

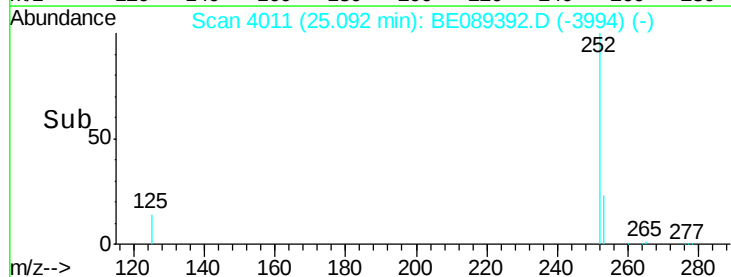
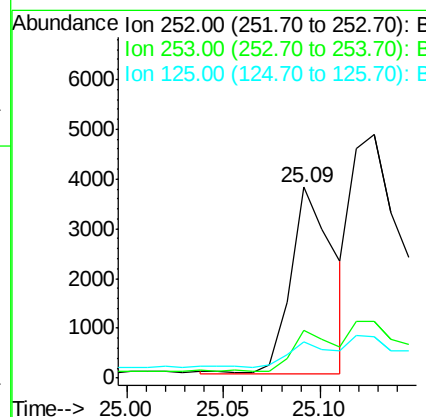
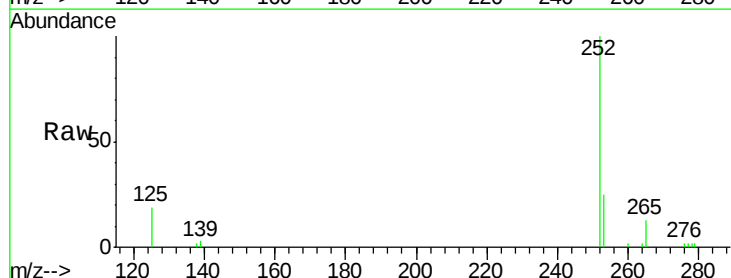
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

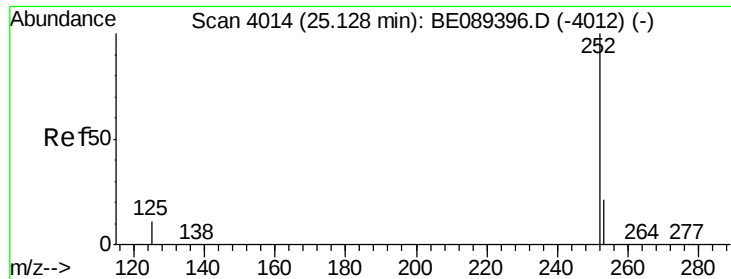
Tgt Ion:264 Resp: 544643
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 21.7 17.5 26.3



#28
Benzo(b)fluoranthene
Concen: 0.08 ng m
RT: 25.09 min Scan# 4011
Delta R.T. -0.01 min
Lab File: BE089392.D
Acq: 28 Jan 2015 17:14

Tgt Ion:252 Resp: 5767
Ion Ratio Lower Upper
252 100
253 25.2 17.6 26.4
125 19.2 9.8 14.6#





#29

Benzo(k)fluoranthene

Concen: 0.08 ng m

RT: 25.13 min Scan# 4015

Delta R.T. -0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

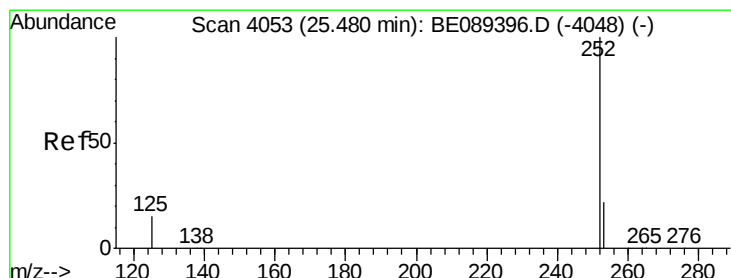
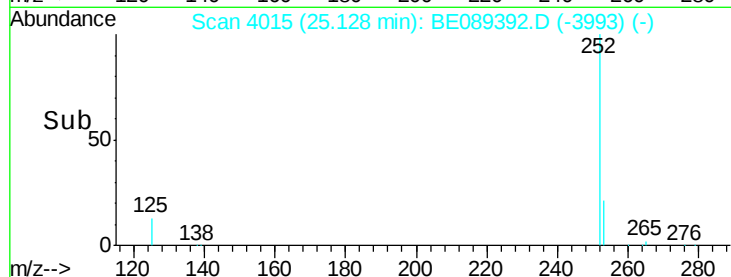
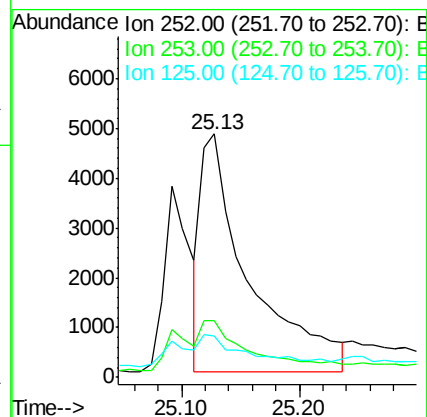
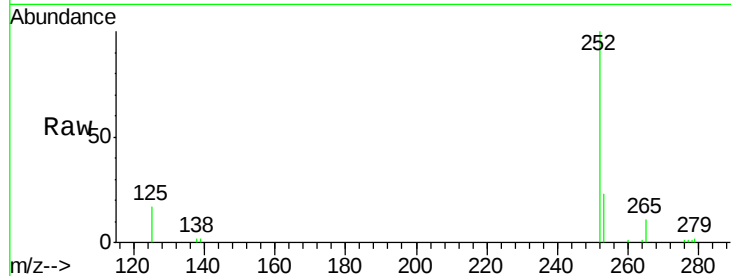
Tgt Ion:252 Resp: 13691

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 17.1 10.2 15.4#



#30

Benzo(a)pyrene

Concen: 0.08 ng

RT: 25.48 min Scan# 4054

Delta R.T. -0.00 min

Lab File: BE089392.D

Acq: 28 Jan 2015 17:14

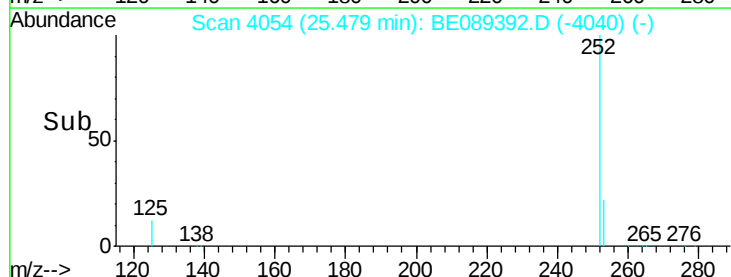
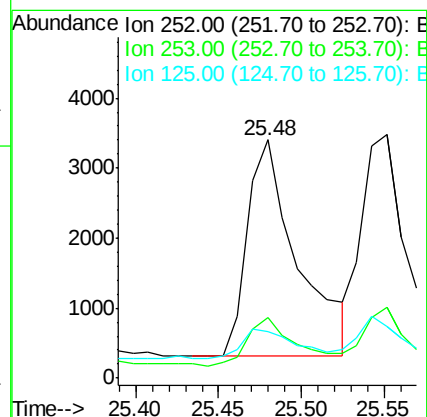
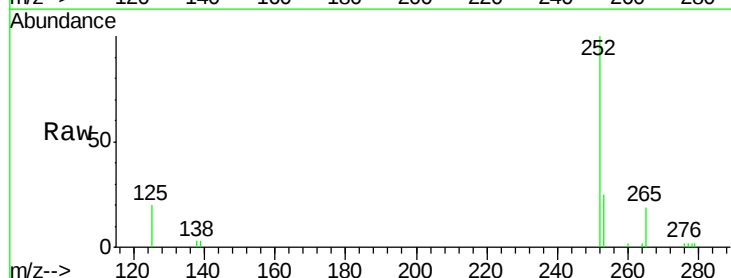
Tgt Ion:252 Resp: 6451

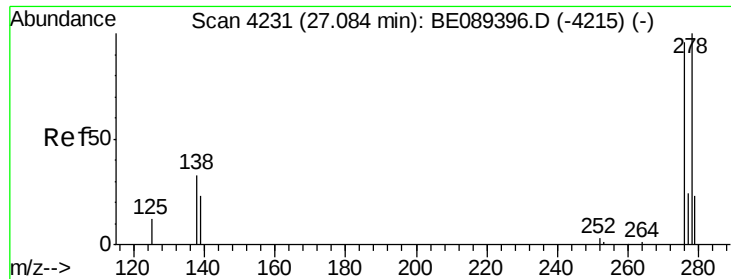
Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

125 19.6 12.2 18.4#





#31

Dibenzo(a,h)anthracene

Concen: 0.07 ng

RT: 27.08 min Scan# 4232

Delta R.T. -0.00 min

Lab File: BE089392.D

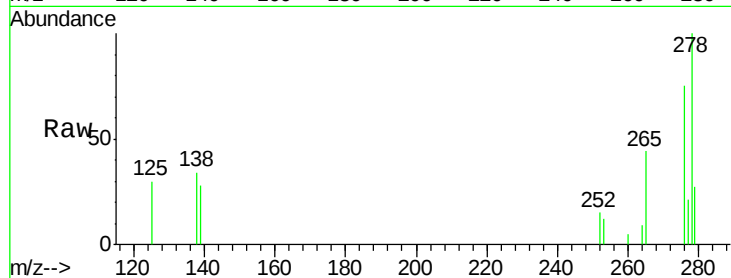
Acq: 28 Jan 2015 17:14

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1



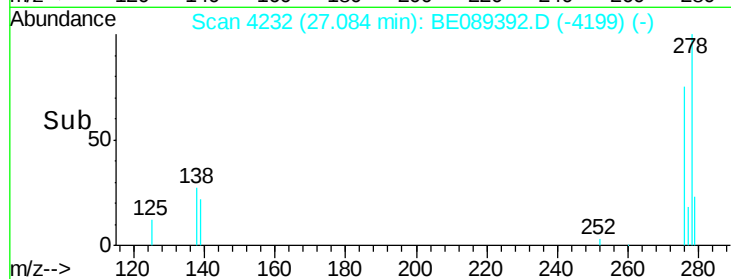
Tgt Ion: 278 Resp: 5908

Ion Ratio Lower Upper

278 100

139 27.8 18.5 27.7#

279 27.1 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

