

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089467.D
 Acq On : 3 Feb 2015 16:58
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Quant Time: Feb 04 00:31:04 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:22:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	55148	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	218731	5.00	ng	0.00
13) Acenaphthene-d10	16.61	164	94634	5.00	ng	0.00
17) Phenanthrene-d10	19.93	188	180609	5.00	ng	0.00
20) Chrysene-d12	23.78	240	181480	5.00	ng	0.00
27) Perylene-d12	25.49	264	170874	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.72	112	36702	1.99	ng	0.00
4) Phenol-d6	8.84	99	46044	2.13	ng	0.00
8) Nitrobenzene-d5	10.79	82	34642	2.17	ng	0.00
14) 2,4,6-Tribromophenol	18.51	330	7276	2.94	ng	0.00
15) 2-Fluorobiphenyl	15.06	172	51339	1.94	ng	0.00
22) Terphenyl-d14	22.43	244	54401	2.60	ng	0.00

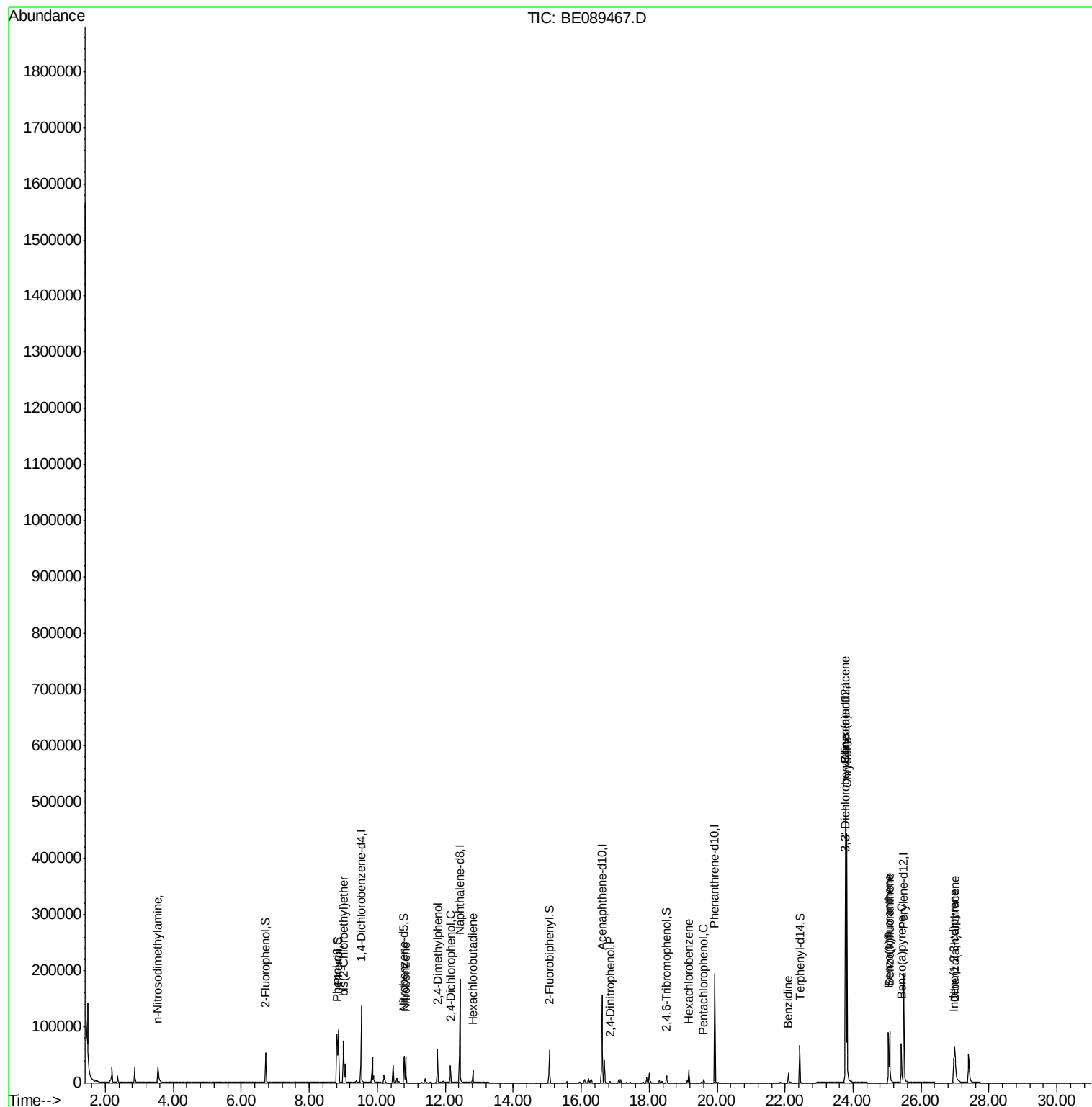
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.54	42	21812	2.46	ng	# 96
5) Phenol	8.86	94	45650	1.96	ng	# 40
6) bis(2-Chloroethyl)ether	9.00	93	35976	2.12	ng	# 100
9) Nitrobenzene	10.83	77	40125	2.22	ng	100
10) 2,4-Dimethylphenol	11.77	122	28572	2.20	ng	95
11) 2,4-Dichlorophenol	12.15	162	21169	2.16	ng	97
12) Hexachlorobutadiene	12.81	225	13860	2.01	ng	99
16) 2,4-Dinitrophenol	16.84	184	1209	2.12	ng	86
18) Hexachlorobenzene	19.17	284	19359	2.04	ng	94
19) Pentachlorophenol	19.60	266	3328	2.99	ng	99
21) Benzidine	22.09	184	18753	1.45	ng	98
23) Benzo(a)anthracene	23.77	228	334724	2.29	ng	99
24) 3,3'-Dichlorobenzidine	23.76	252	29442	2.29	ng	99
25) Chrysene	23.82	228	351077	2.00	ng	99
26) Indeno(1,2,3-cd)pyrene	26.97	276	91593	1.78	ng	99
28) Benzo(b)fluoranthene	25.04	252	70079	3.01	ng	99
29) Benzo(k)fluoranthene	25.07	252	98655	2.30	ng	99
30) Benzo(a)pyrene	25.42	252	70624	2.70	ng	98
31) Dibenzo(a,h)anthracene	26.99	278	75914	2.42	ng	99

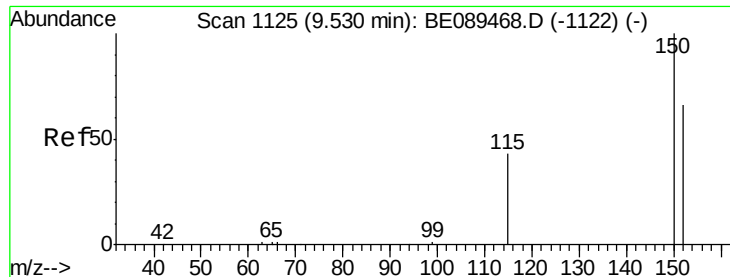
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDIC002

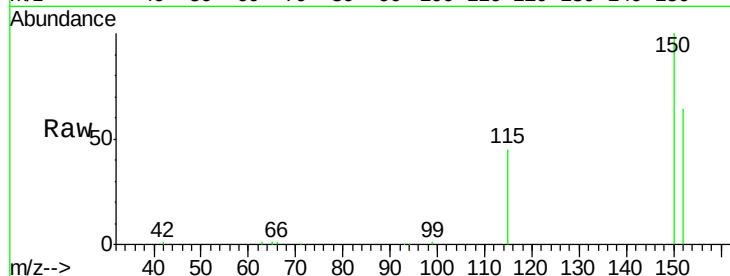
Tgt Ion:152 Resp: 55148

Ion Ratio Lower Upper

152 100

150 156.0 122.1 183.1

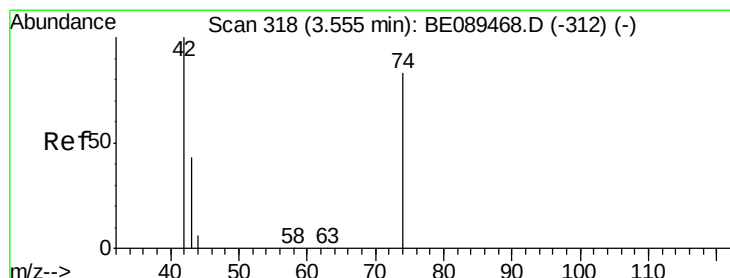
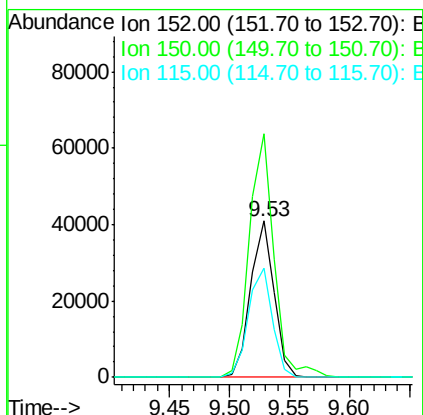
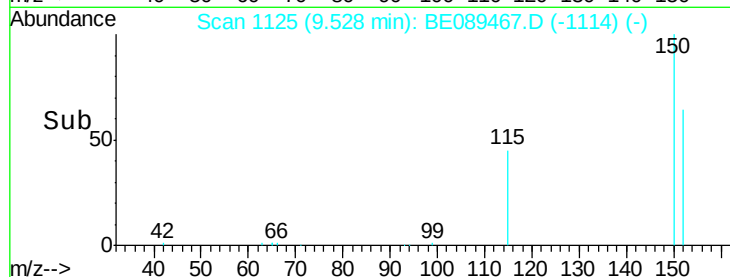
115 69.9 53.2 79.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 2.46 ng

RT: 3.54 min Scan# 316

Delta R.T. -0.01 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

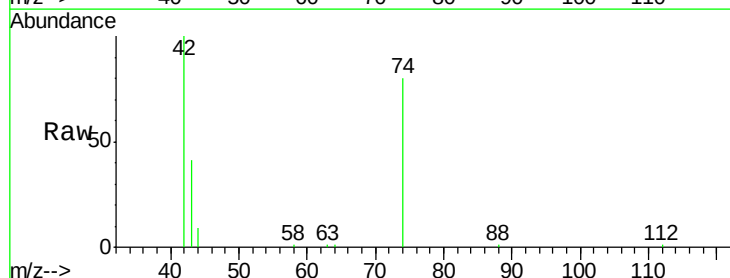
Tgt Ion: 42 Resp: 21812

Ion Ratio Lower Upper

42 100

74 79.5 65.4 98.2

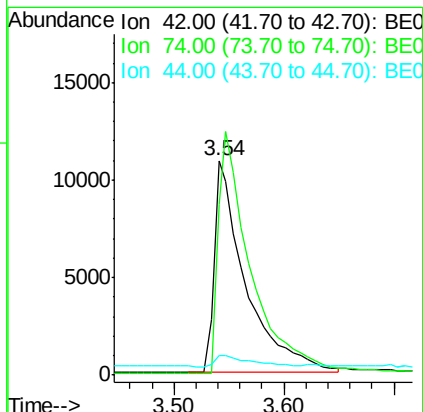
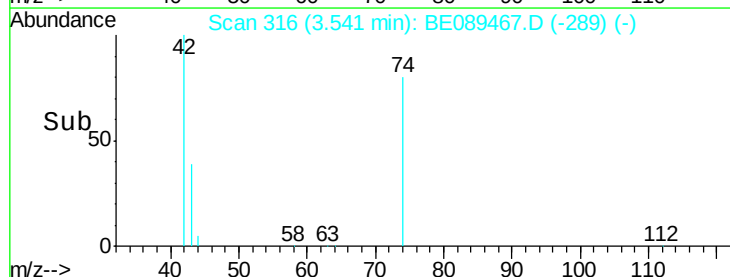
44 9.2 11.7 17.5#

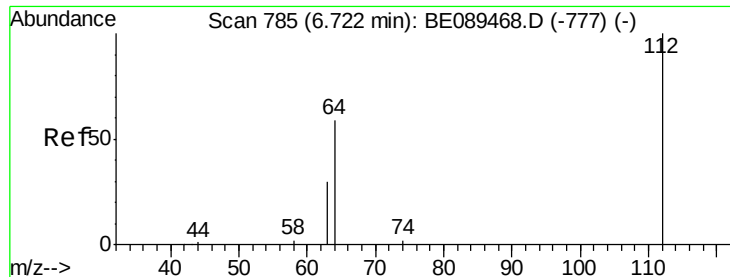


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 1.99 ng

RT: 6.72 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDIC002

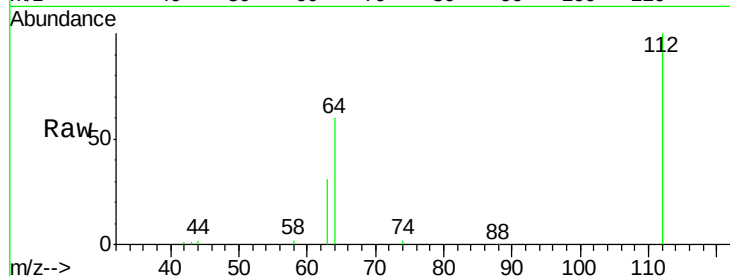
Tgt Ion: 112 Resp: 36702

Ion Ratio Lower Upper

112 100

64 60.1 47.0 70.6

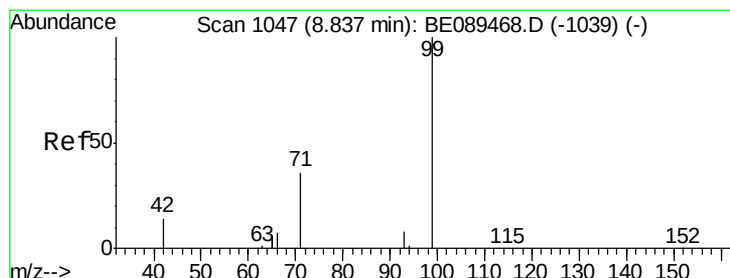
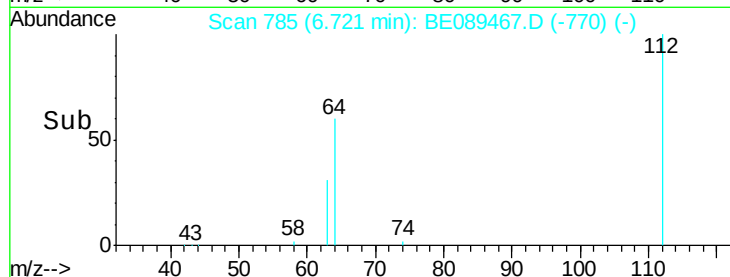
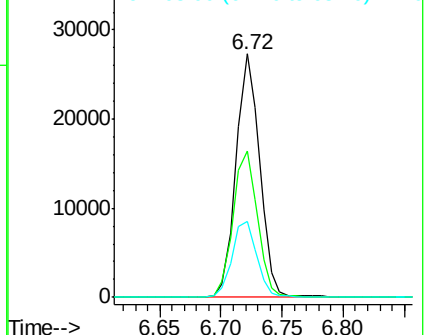
63 31.2 24.2 36.2



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: 2.13 ng

RT: 8.84 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

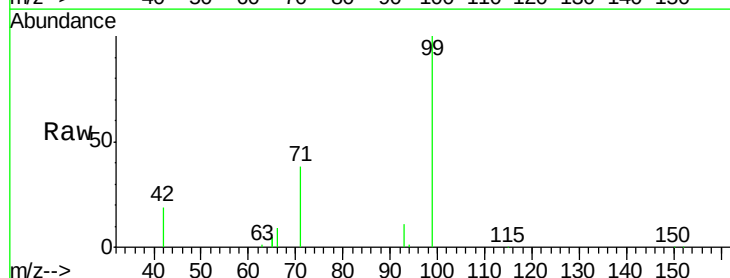
Tgt Ion: 99 Resp: 46044

Ion Ratio Lower Upper

99 100

42 19.0 11.8 17.6#

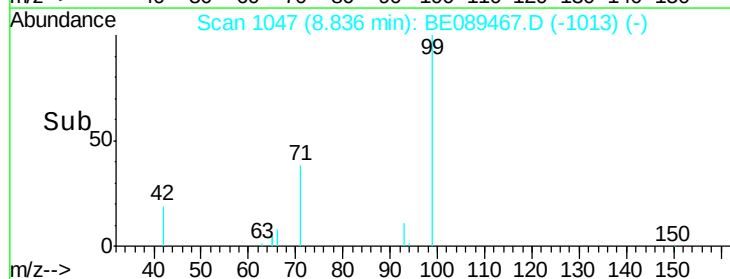
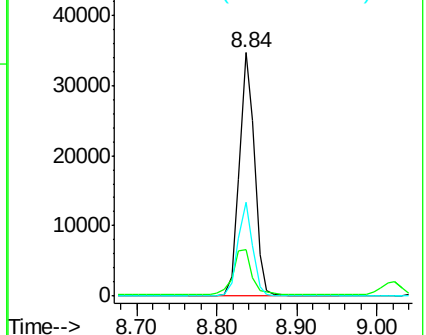
71 38.3 28.7 43.1

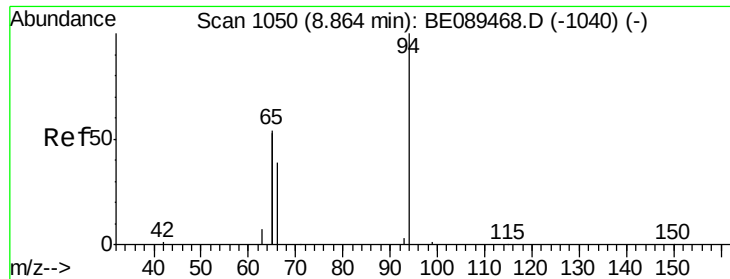


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 1.96 ng

RT: 8.86 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDICC002

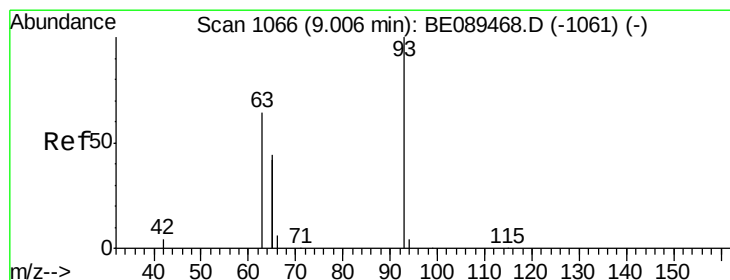
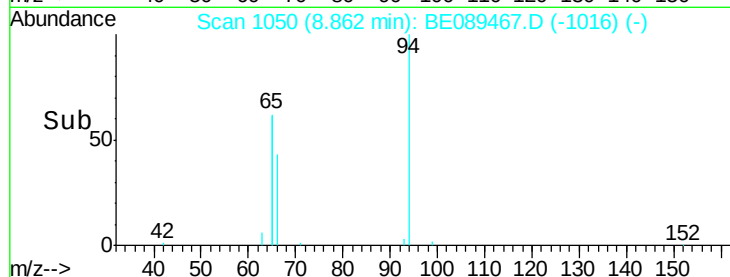
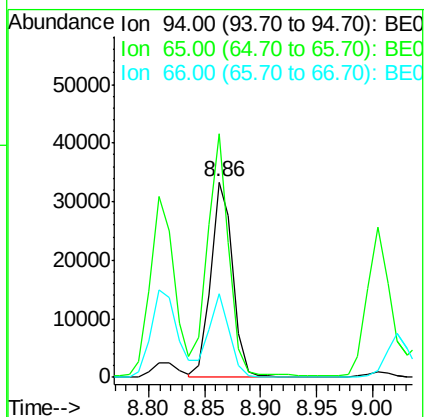
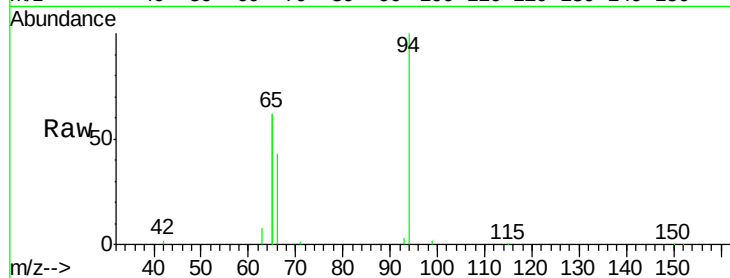
Tgt Ion: 94 Resp: 45650

Ion Ratio Lower Upper

94 100

65 124.6 33.9 73.9#

66 42.7 19.1 59.1



#6

bis(2-Chloroethyl)ether

Concen: 2.12 ng

RT: 9.00 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

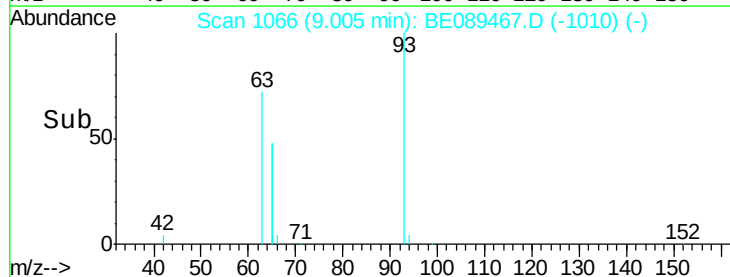
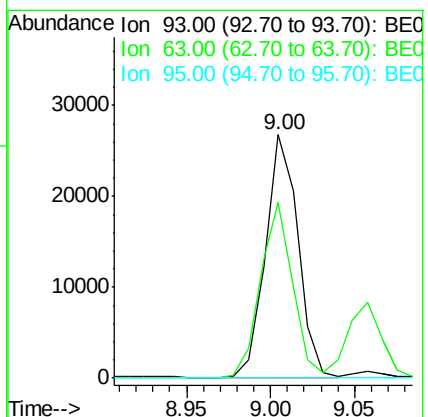
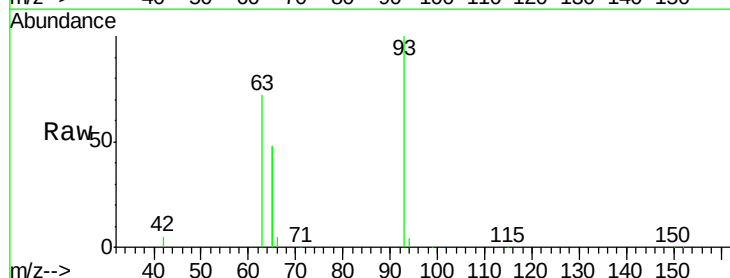
Tgt Ion: 93 Resp: 35976

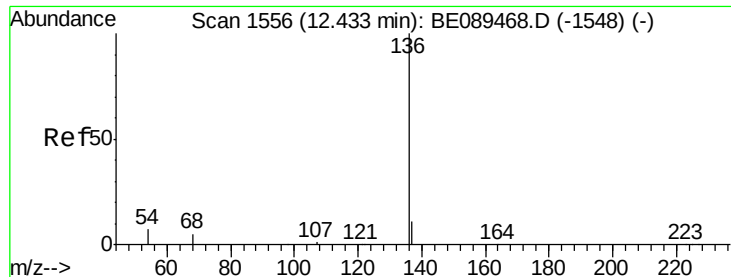
Ion Ratio Lower Upper

93 100

63 71.3 57.0 85.6

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDICC002

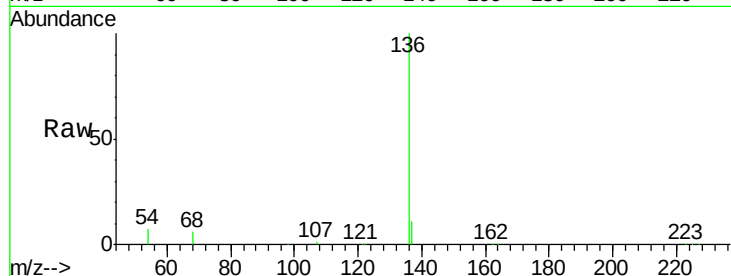
Tgt Ion: 136 Resp: 218731

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

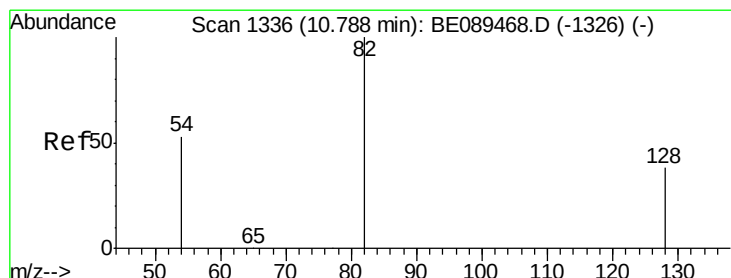
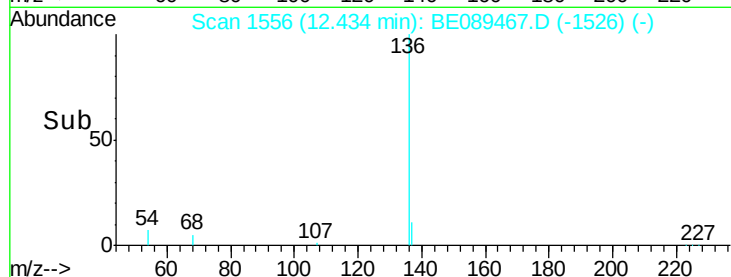
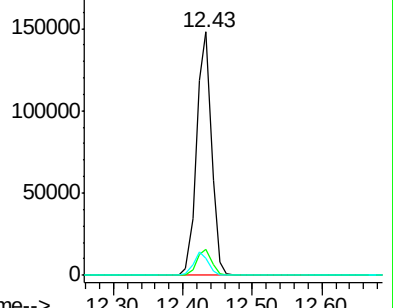
54 6.9 5.4 8.0



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: 2.17 ng

RT: 10.79 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

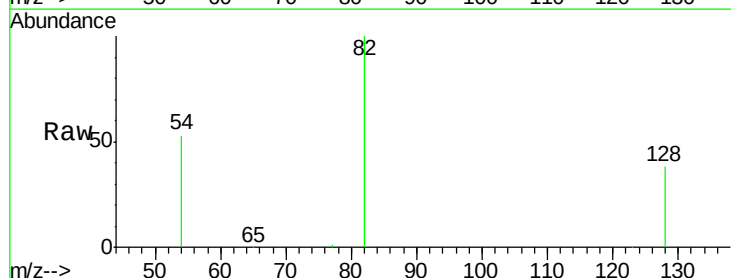
Tgt Ion: 82 Resp: 34642

Ion Ratio Lower Upper

82 100

128 37.6 30.3 45.5

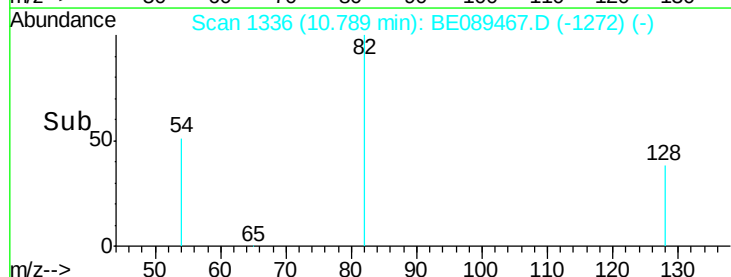
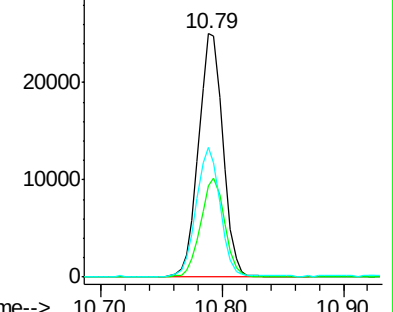
54 53.1 43.1 64.7

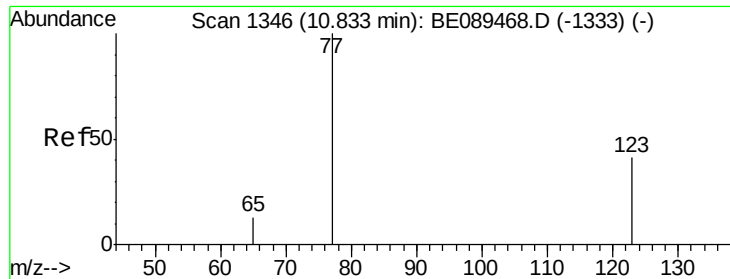


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 2.22 ng

RT: 10.83 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

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LabSampleId :

SSTDICC002

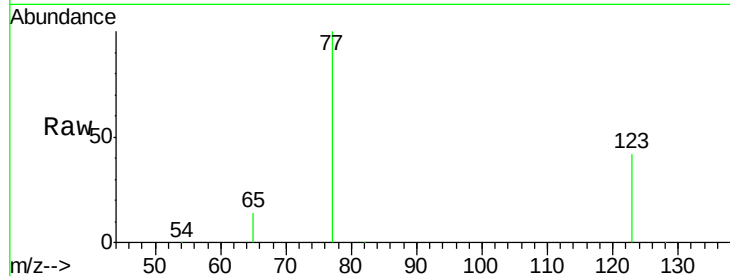
Tgt Ion: 77 Resp: 40125

Ion Ratio Lower Upper

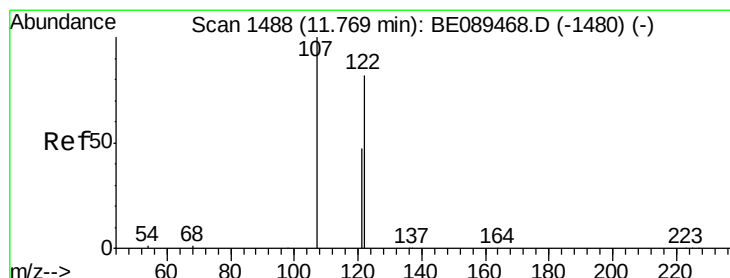
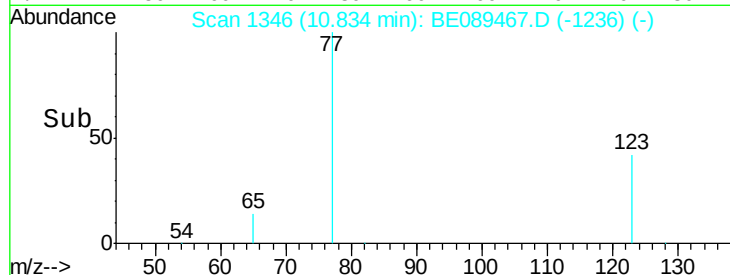
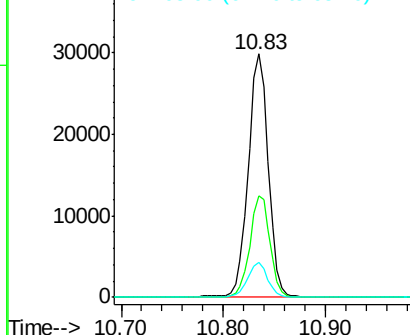
77 100

123 41.9 33.4 50.0

65 13.9 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 2.20 ng

RT: 11.77 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

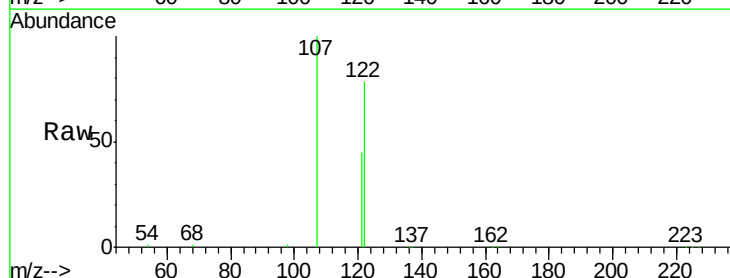
Tgt Ion: 122 Resp: 28572

Ion Ratio Lower Upper

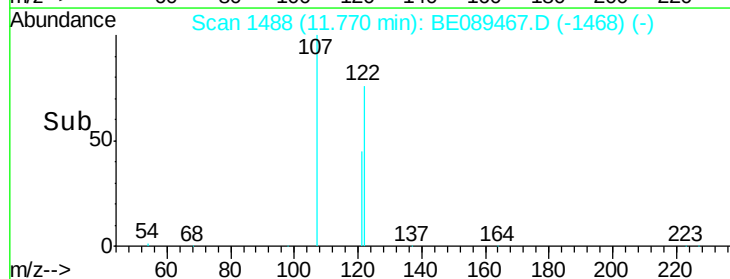
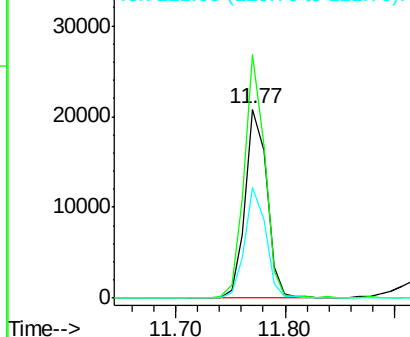
122 100

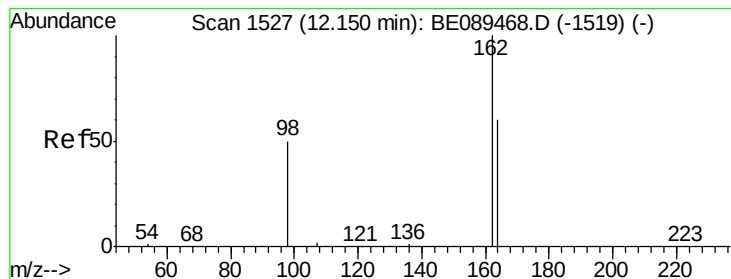
107 128.9 97.3 145.9

121 58.6 46.4 69.6



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





#11

2,4-Dichlorophenol

Concen: 2.16 ng

RT: 12.15 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

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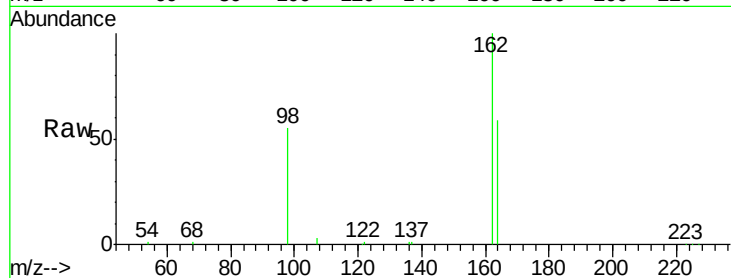
Tgt Ion:162 Resp: 21169

Ion Ratio Lower Upper

162 100

164 58.9 39.9 79.9

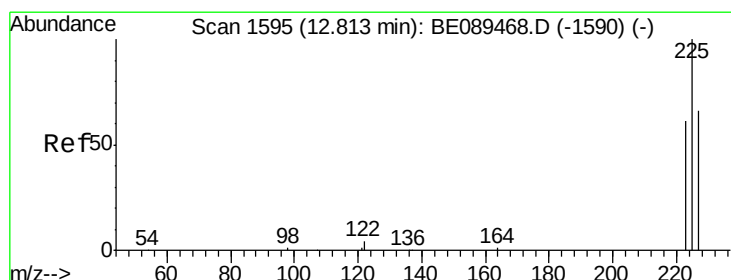
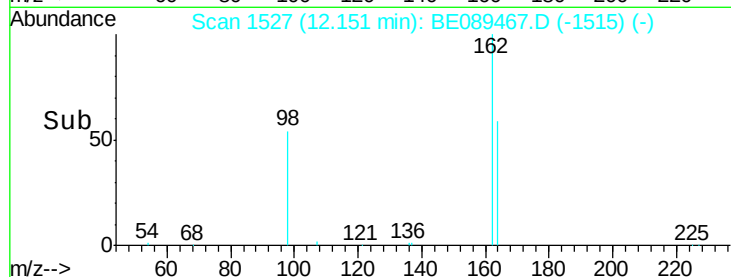
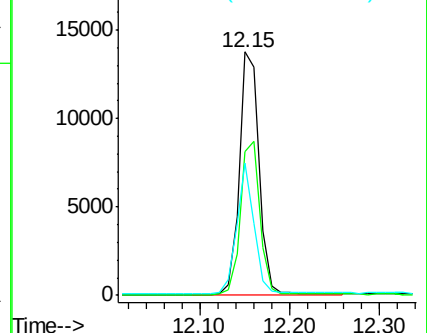
98 54.6 31.3 71.3



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: 2.01 ng

RT: 12.81 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

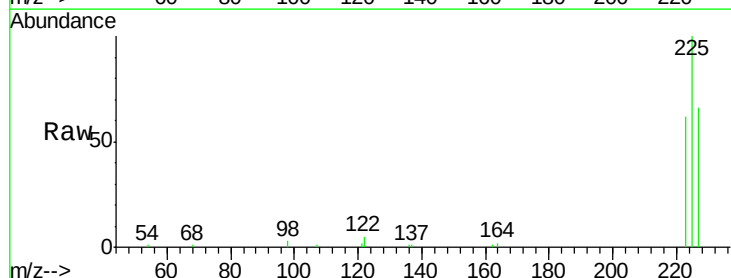
Tgt Ion:225 Resp: 13860

Ion Ratio Lower Upper

225 100

223 61.8 49.4 74.0

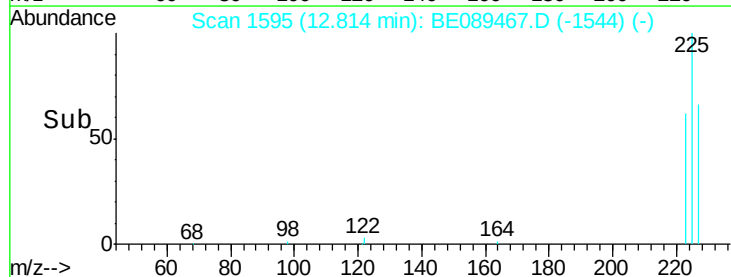
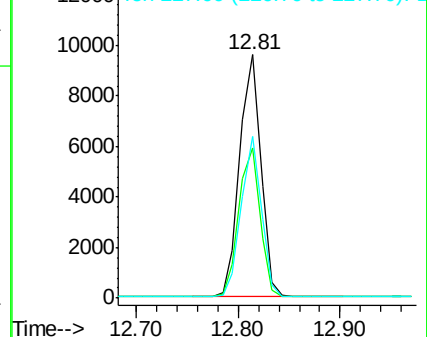
227 63.0 51.2 76.8

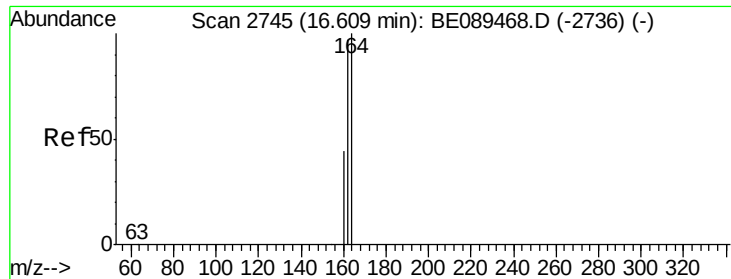


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

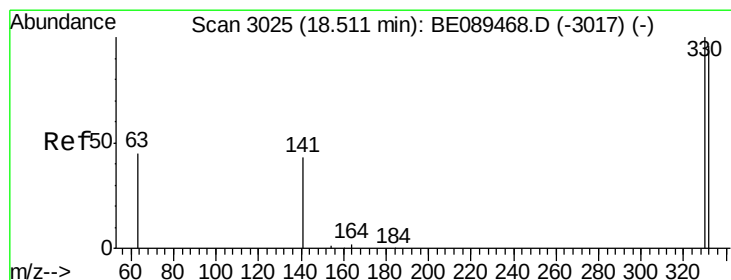
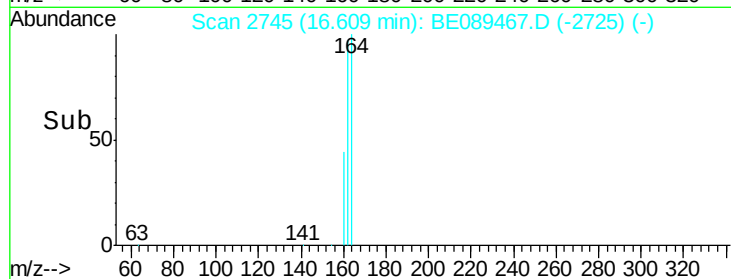
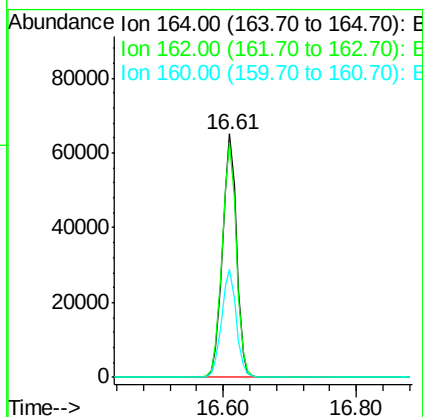
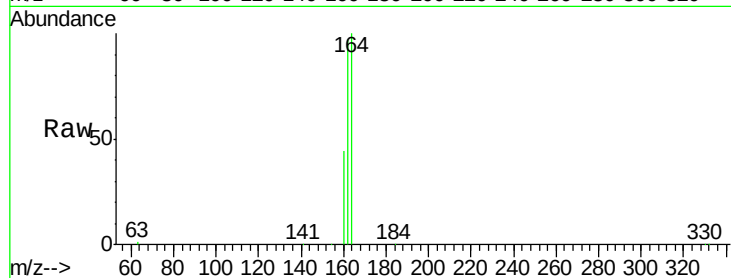




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.61 min Scan# 2745
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

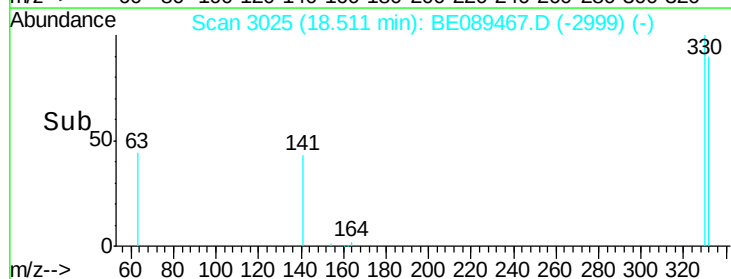
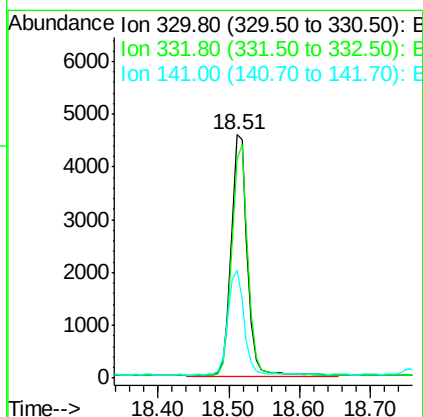
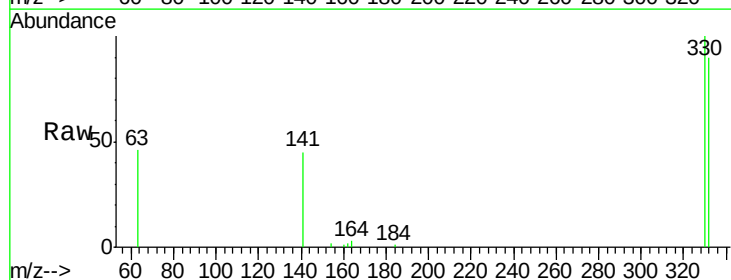
Instrument :
BNA_E
LabSampleId :
SSTDICC002

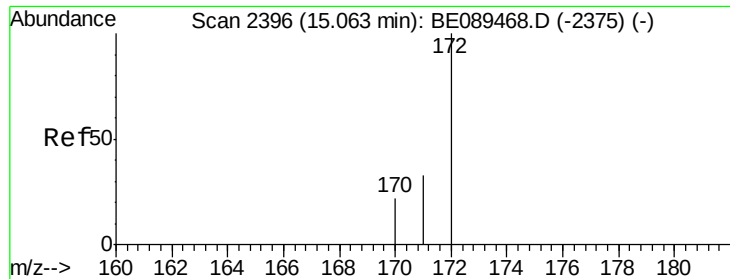
Tgt Ion:164 Resp: 94634
Ion Ratio Lower Upper
164 100
162 96.5 77.6 116.4
160 44.3 35.6 53.4



#14
2,4,6-Tribromophenol
Concen: 2.94 ng
RT: 18.51 min Scan# 3025
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

Tgt Ion:330 Resp: 7276
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 42.9 33.8 50.6

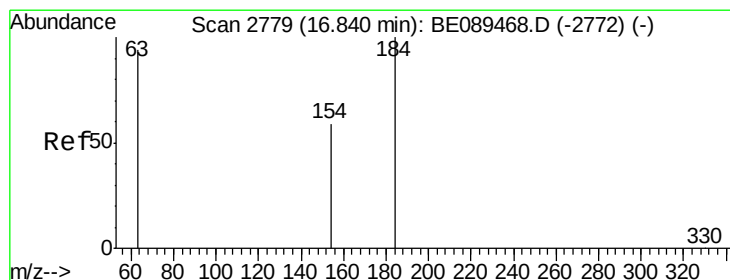
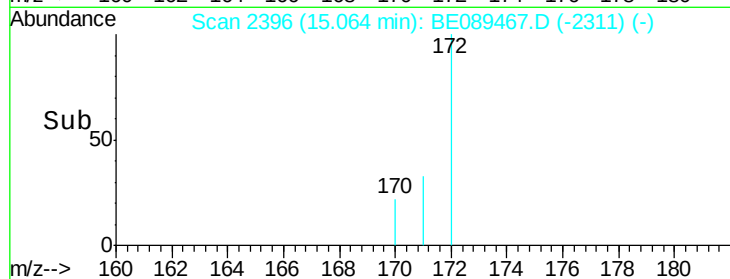
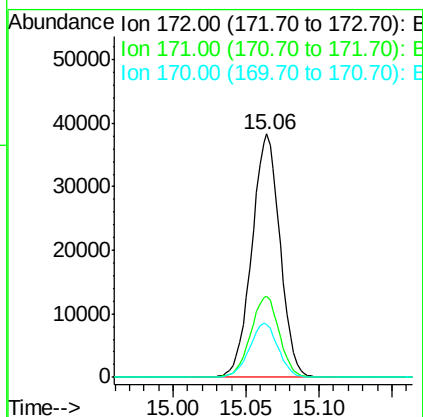
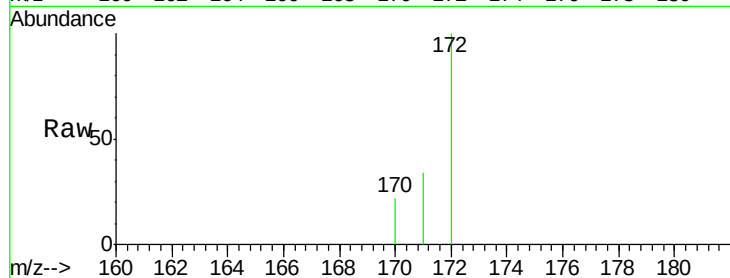




#15
2-Fluorobiphenyl
Concen: 1.94 ng
RT: 15.06 min Scan# 2396
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

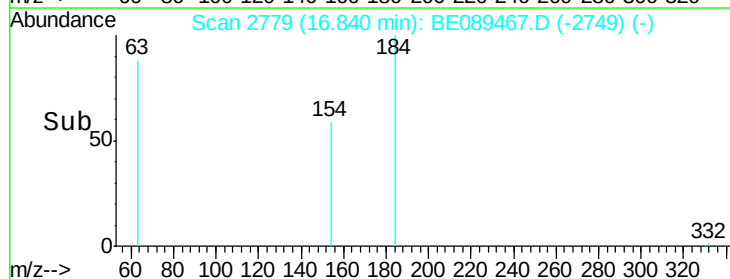
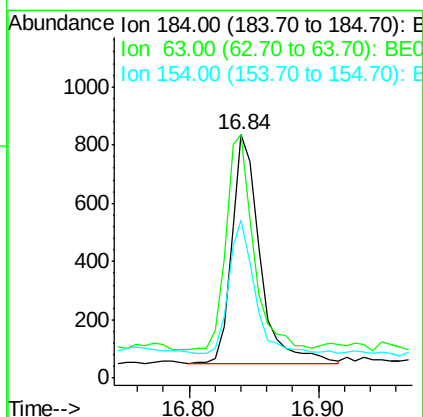
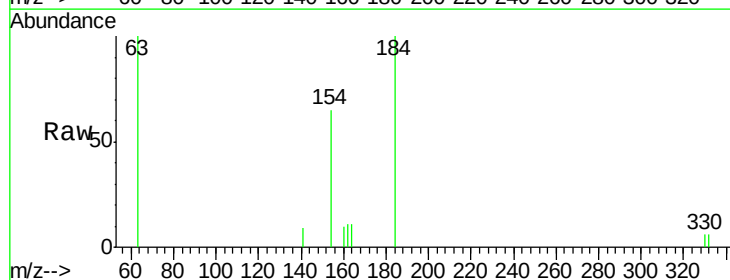
Instrument :
BNA_E
LabSampleId :
SSTDICC002

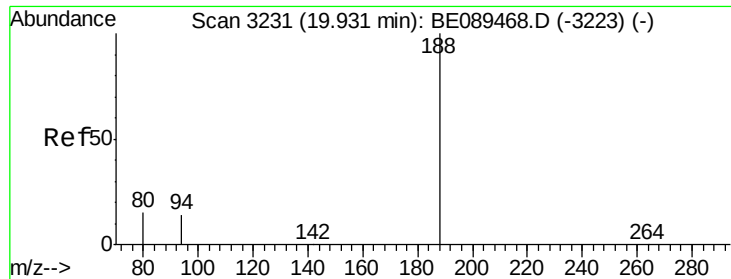
Tgt Ion:172 Resp: 51339
Ion Ratio Lower Upper
172 100
171 33.5 26.8 40.2
170 21.8 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 2.12 ng
RT: 16.84 min Scan# 2779
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

Tgt Ion:184 Resp: 1209
Ion Ratio Lower Upper
184 100
63 100.0 92.1 138.1
154 64.6 61.4 92.2

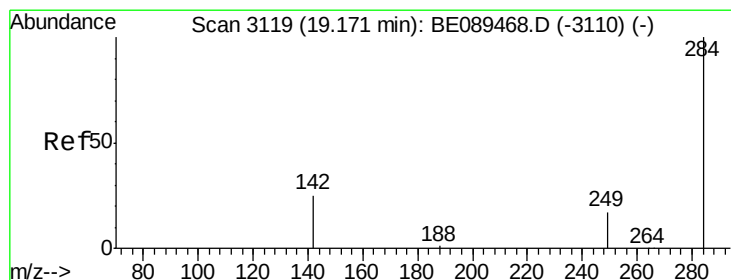
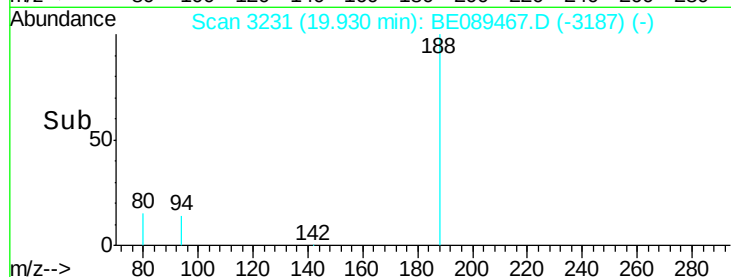
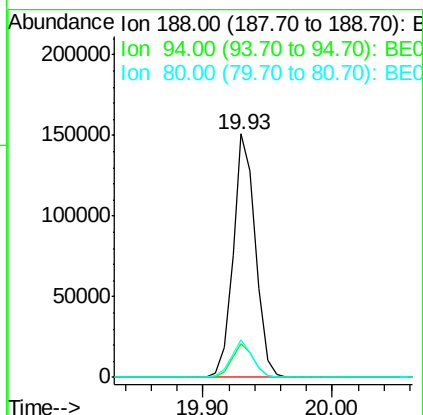
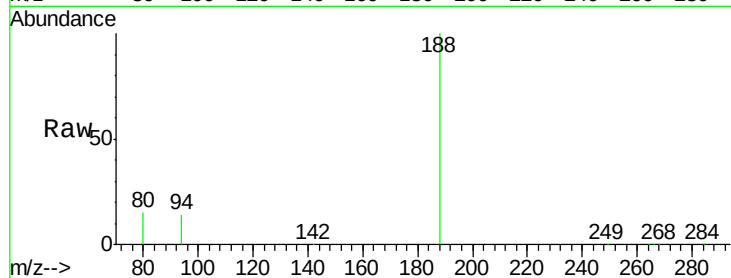




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.93 min Scan# 3231
Delta R.T. -0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

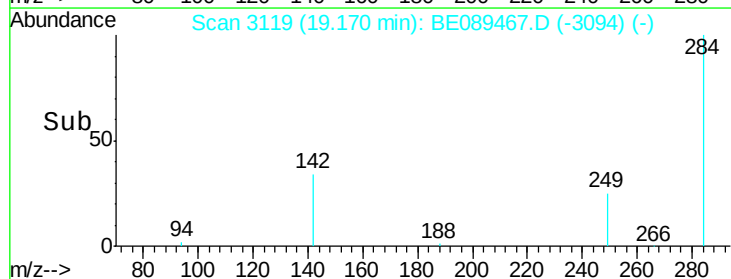
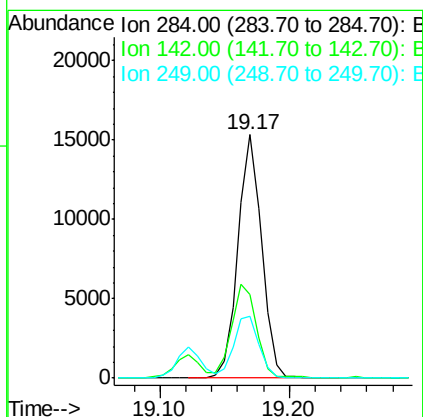
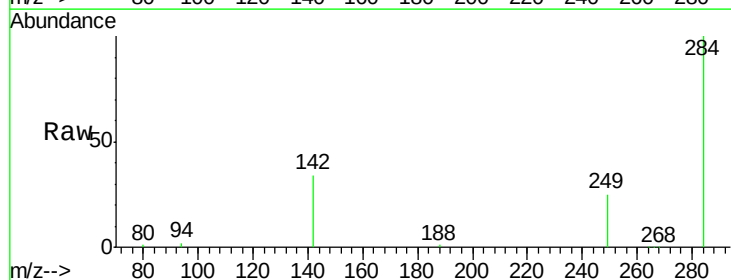
Instrument :
BNA_E
LabSampleId :
SSTDICC002

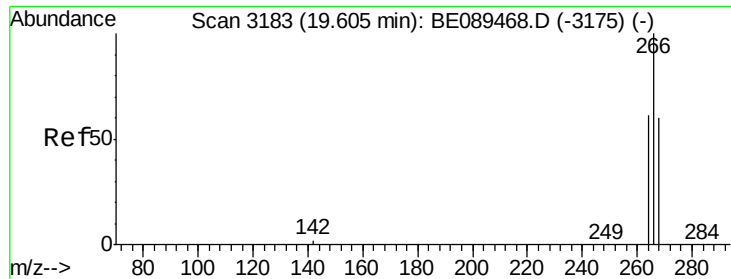
Tgt Ion:188 Resp: 180609
Ion Ratio Lower Upper
188 100
94 14.1 11.1 16.7
80 15.2 11.8 17.6



#18
Hexachlorobenzene
Concen: 2.04 ng
RT: 19.17 min Scan# 3119
Delta R.T. -0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

Tgt Ion:284 Resp: 19359
Ion Ratio Lower Upper
284 100
142 34.4 24.4 36.6
249 25.3 18.2 27.2





#19

Pentachlorophenol

Concen: 2.99 ng

RT: 19.60 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDICC002

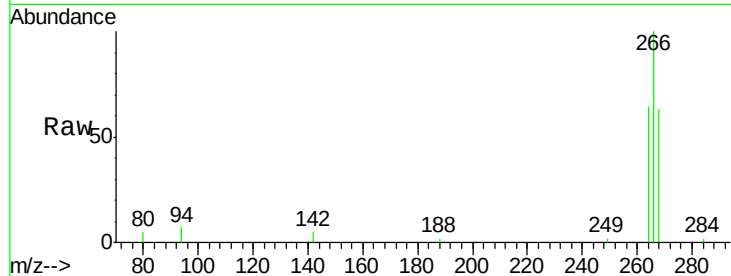
Tgt Ion:266 Resp: 3328

Ion Ratio Lower Upper

266 100

268 62.8 50.0 75.0

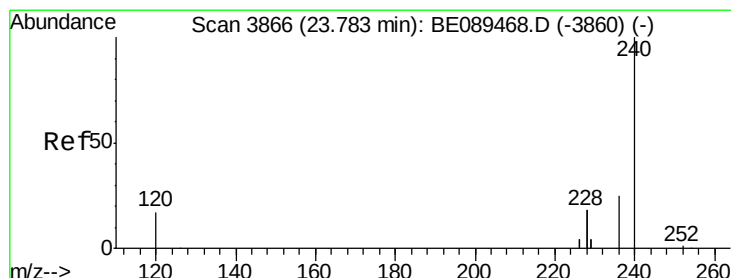
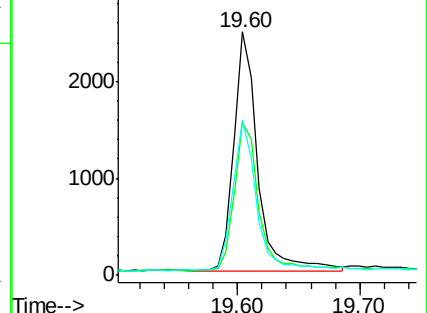
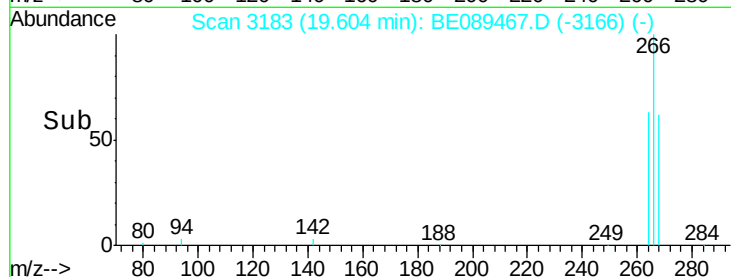
264 64.0 50.6 75.8



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: 23.78 min Scan# 3865

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

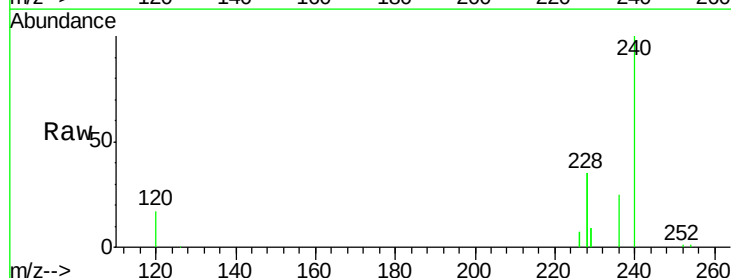
Tgt Ion:240 Resp: 181480

Ion Ratio Lower Upper

240 100

120 17.2 13.8 20.6

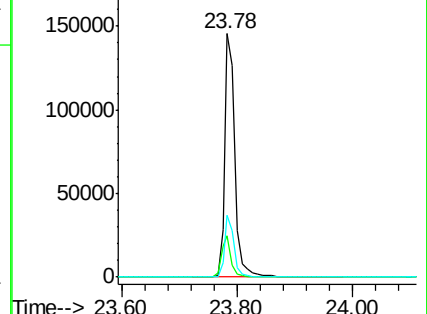
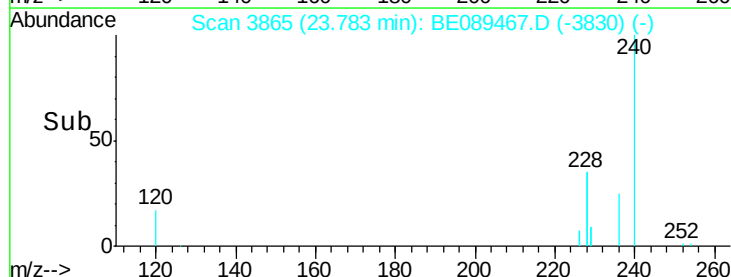
236 25.2 20.2 30.2

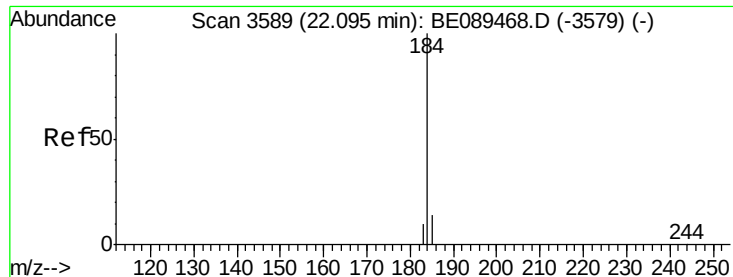


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 1.45 ng

RT: 22.09 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDICC002

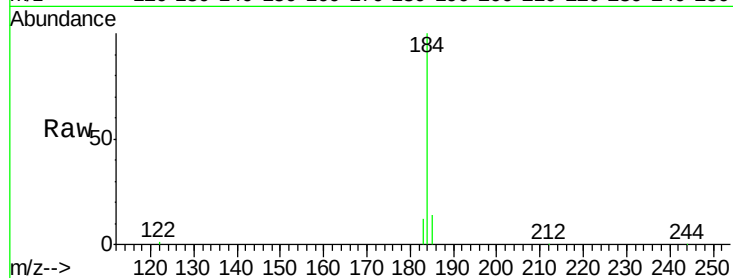
Tgt Ion:184 Resp: 18753

Ion Ratio Lower Upper

184 100

185 14.1 12.0 18.0

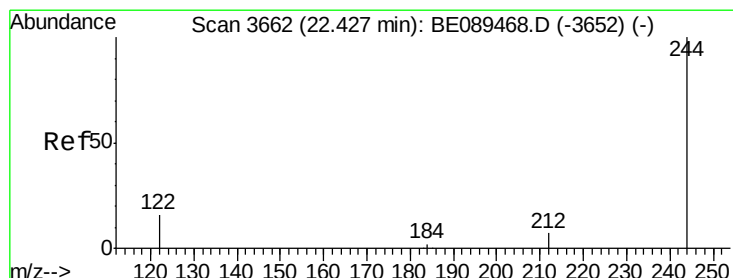
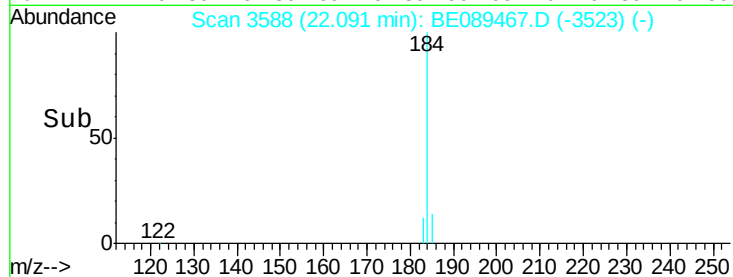
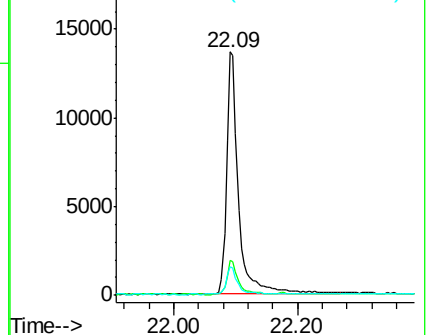
183 11.9 9.0 13.4



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: 2.60 ng

RT: 22.43 min Scan# 3662

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

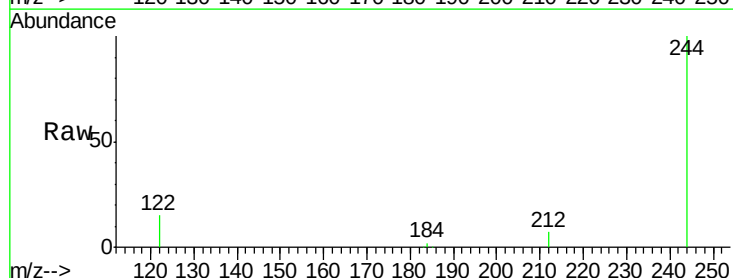
Tgt Ion:244 Resp: 54401

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

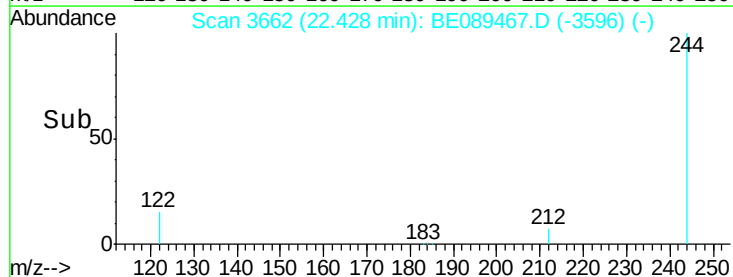
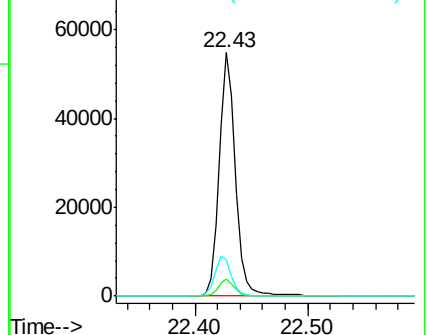
122 14.7 12.6 19.0

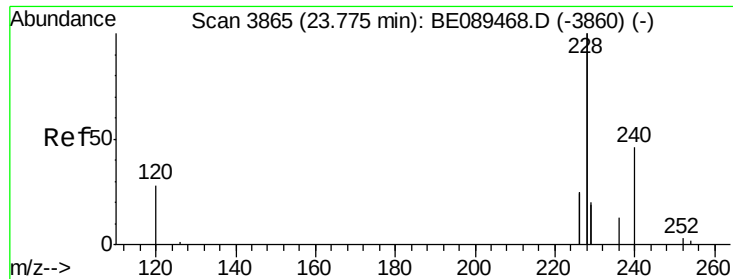


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 2.29 ng

RT: 23.77 min Scan# 3864

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDICC002

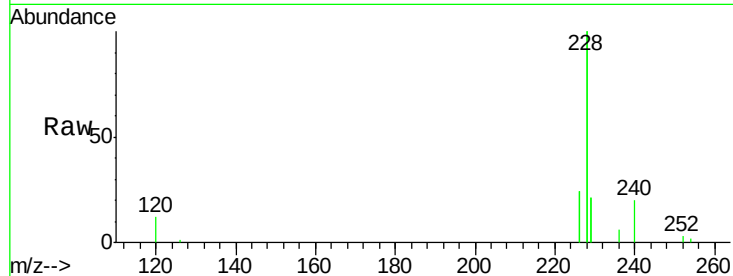
Tgt Ion:228 Resp: 334724

Ion Ratio Lower Upper

228 100

226 24.5 19.6 29.4

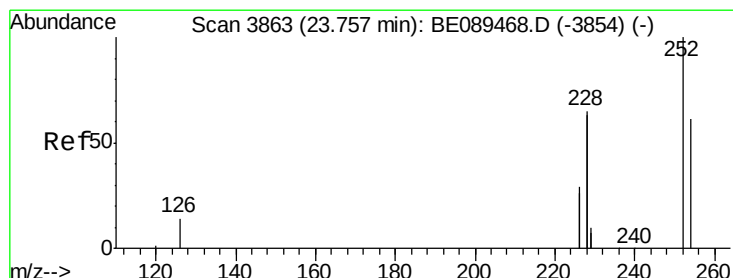
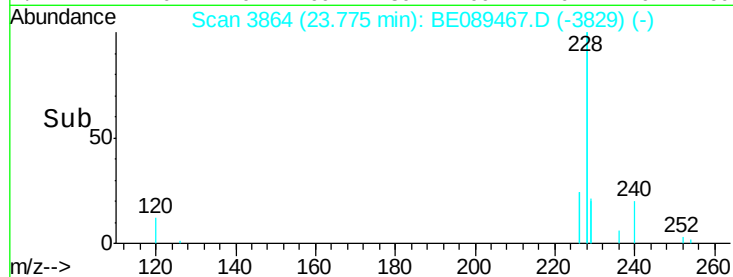
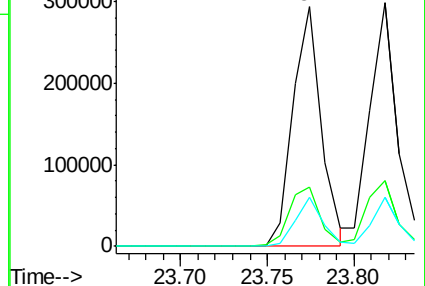
229 20.6 15.9 23.9



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: 2.29 ng

RT: 23.76 min Scan# 3862

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

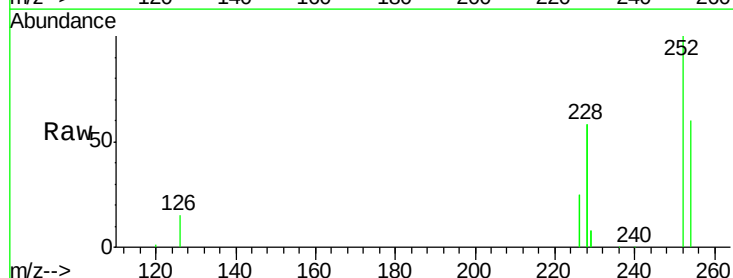
Tgt Ion:252 Resp: 29442

Ion Ratio Lower Upper

252 100

254 59.9 48.6 73.0

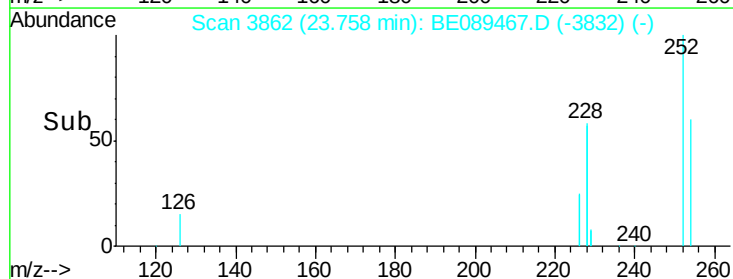
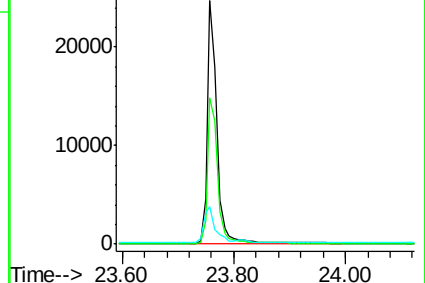
126 15.3 12.4 18.6

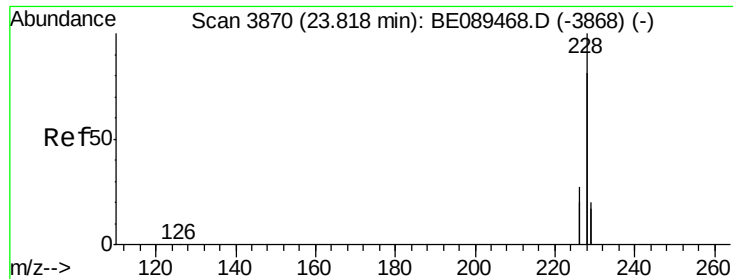


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 2.00 ng

RT: 23.82 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDICC002

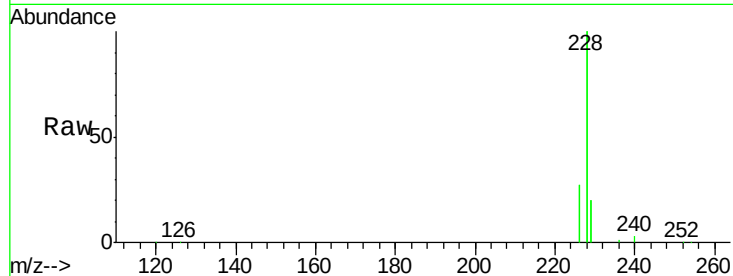
Tgt Ion:228 Resp: 351077

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

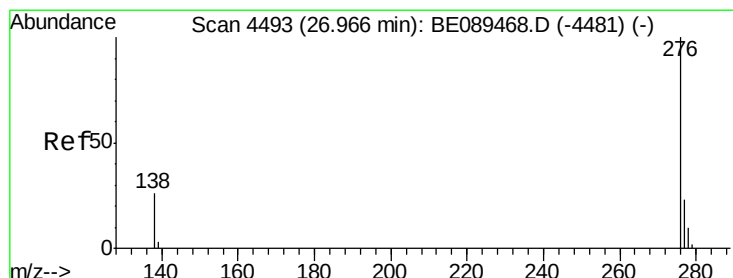
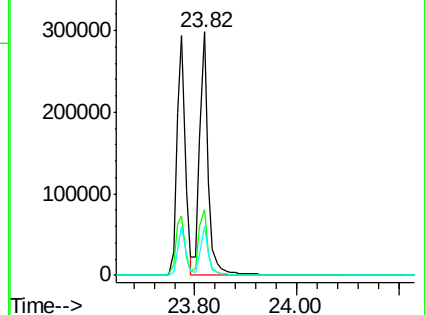
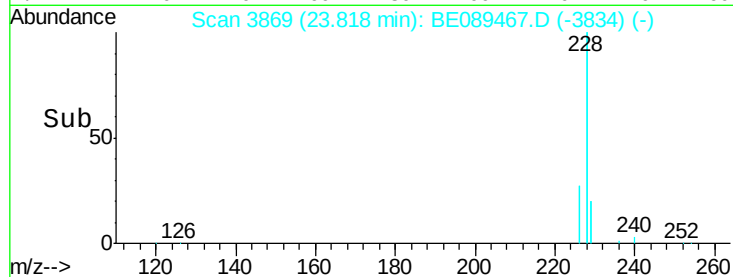
229 19.9 16.2 24.2



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: 1.78 ng

RT: 26.97 min Scan# 4492

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

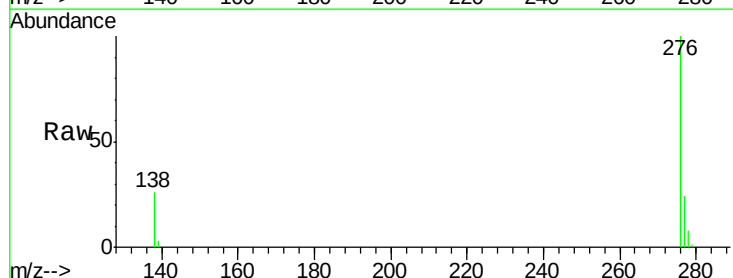
Tgt Ion:276 Resp: 91593

Ion Ratio Lower Upper

276 100

138 30.3 24.2 36.4

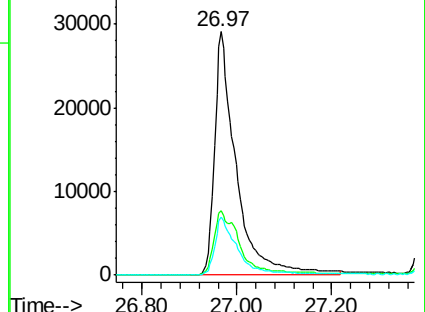
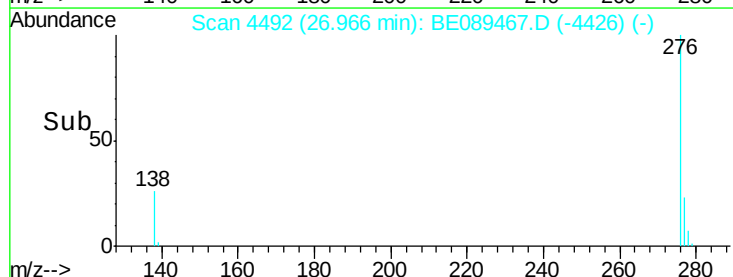
277 24.0 19.9 29.9

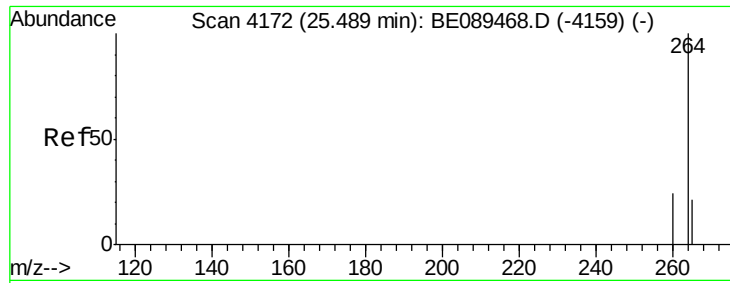


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.49 min Scan# 4171

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDIC002

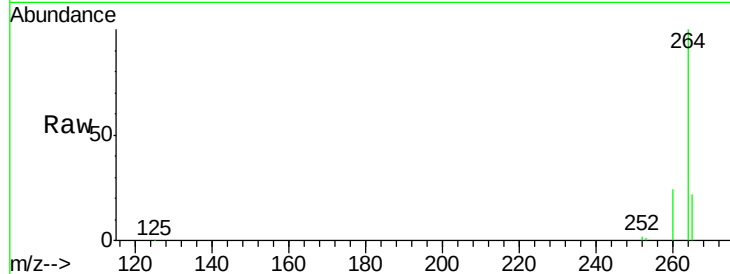
Tgt Ion:264 Resp: 170874

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

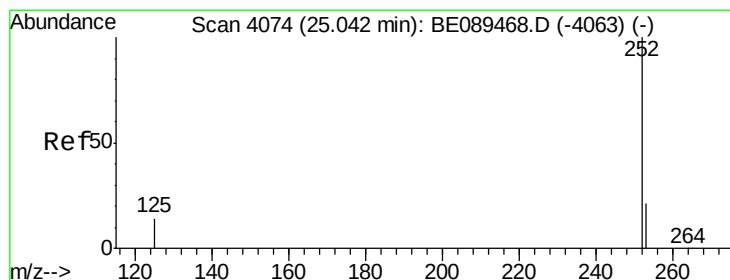
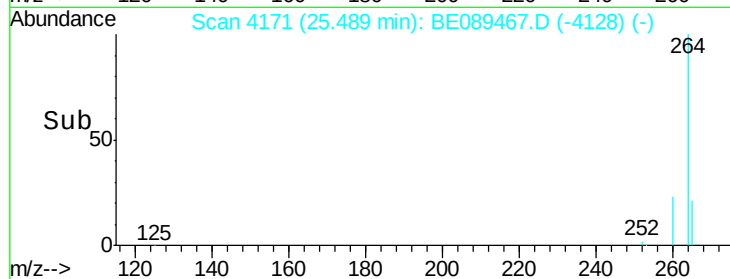
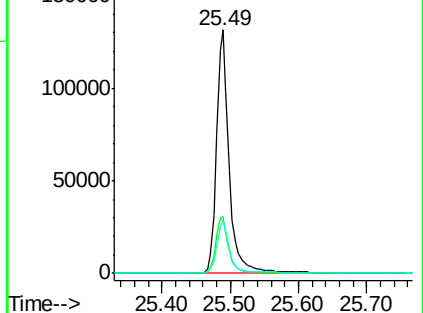
265 21.6 17.0 25.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#28

Benzo(b)fluoranthene

Concen: 3.01 ng

RT: 25.04 min Scan# 4073

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

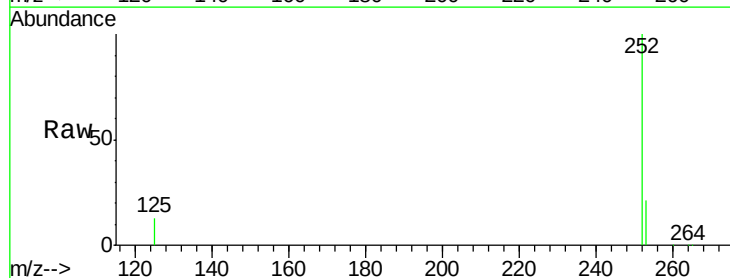
Tgt Ion:252 Resp: 70079

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

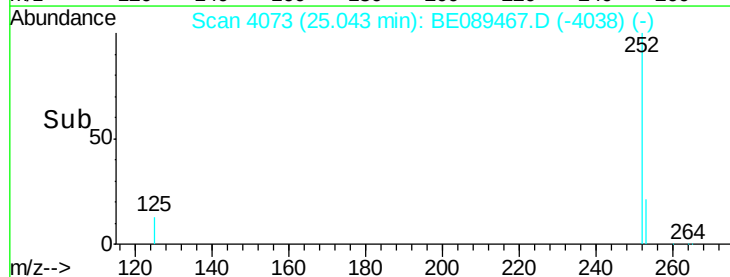
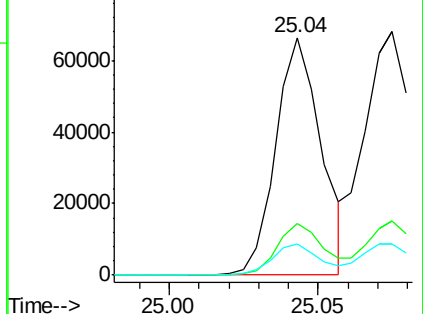
125 13.2 11.3 16.9

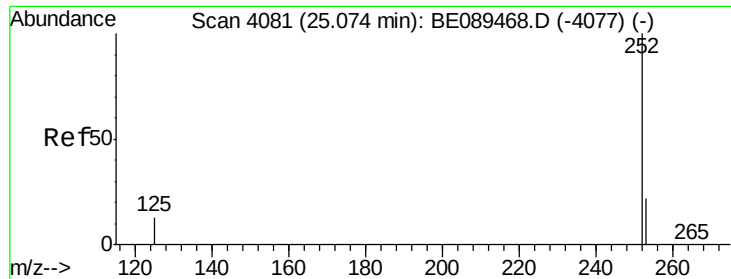


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Benzo(k)fluoranthene

Concen: 2.30 ng

RT: 25.07 min Scan# 4080

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDICC002

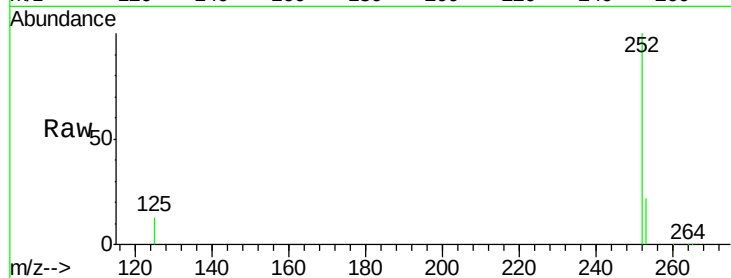
Tgt Ion:252 Resp: 98655

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

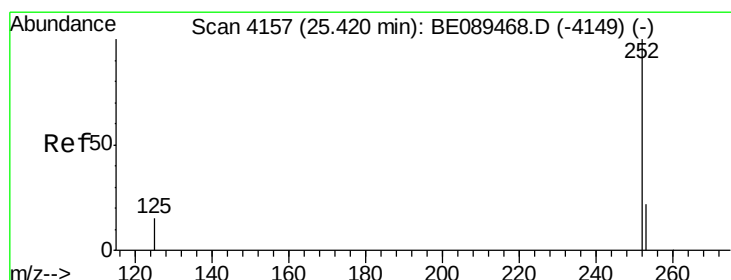
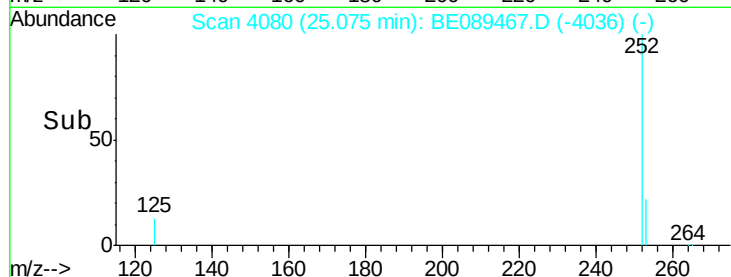
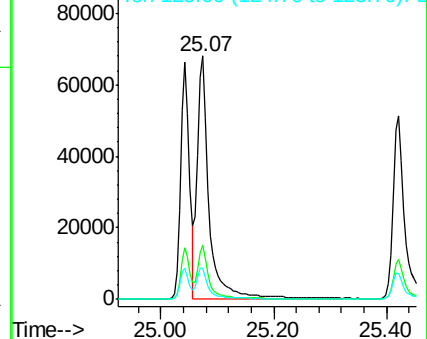
125 12.9 10.6 15.8



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: 2.70 ng

RT: 25.42 min Scan# 4156

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

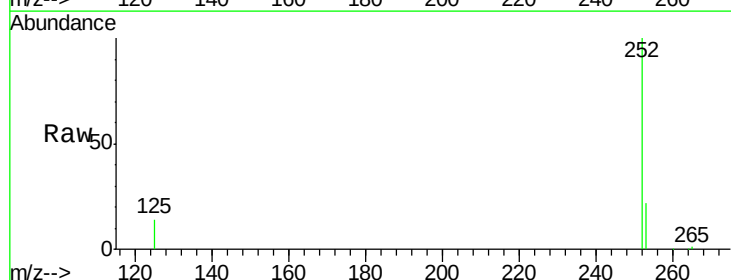
Tgt Ion:252 Resp: 70624

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.2

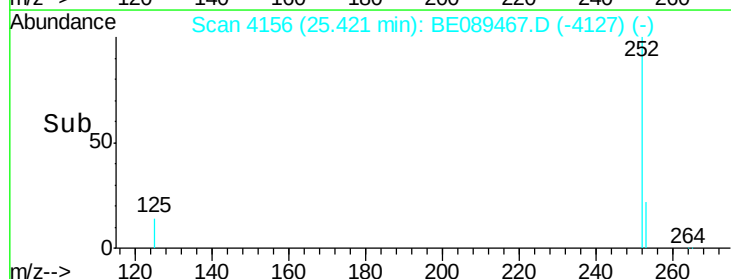
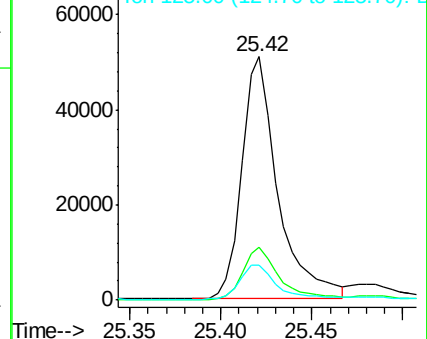
125 14.3 12.2 18.4

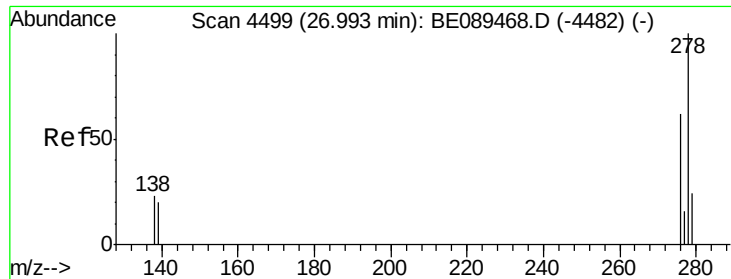


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 2.42 ng

RT: 26.99 min Scan# 4498

Delta R.T. 0.00 min

Lab File: BE089467.D

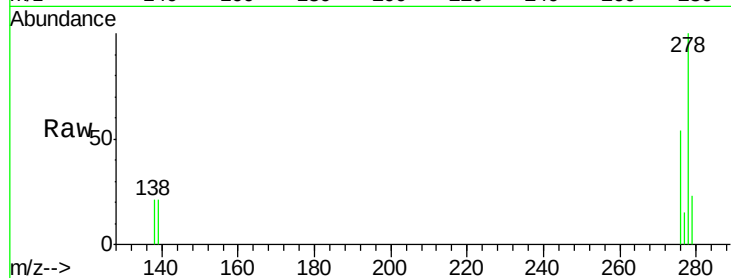
Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDIC002



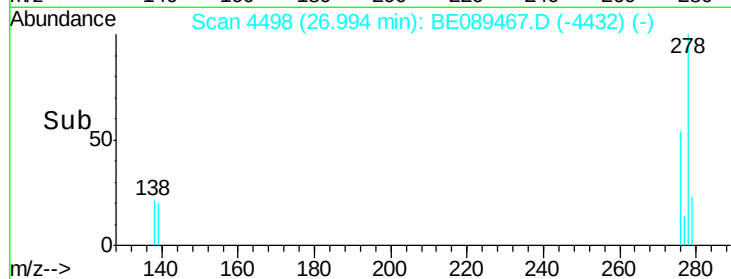
Tgt Ion: 278 Resp: 75914

Ion Ratio Lower Upper

278 100

139 20.8 16.8 25.2

279 23.4 19.4 29.0



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

