

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021715\
 Data File : BE089599.D
 Acq On : 17 Feb 2015 17:45
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Quant Time: Feb 18 01:11:27 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 00:56:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	60840	5.00	ng	0.00
7) Naphthalene-d8	12.24	136	244208	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	121904	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	237165	5.00	ng	0.00
20) Chrysene-d12	23.66	240	251825	5.00	ng	0.00
27) Perylene-d12	25.34	264	215451	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	32064	1.88	ng	0.00
4) Phenol-d6	8.62	99	42546	1.87	ng	0.00
8) Nitrobenzene-d5	10.61	82	21898	2.18	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	4696	1.86	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	65164	1.99	ng	0.00
22) Terphenyl-d14	22.30	244	70383	2.06	ng	0.00

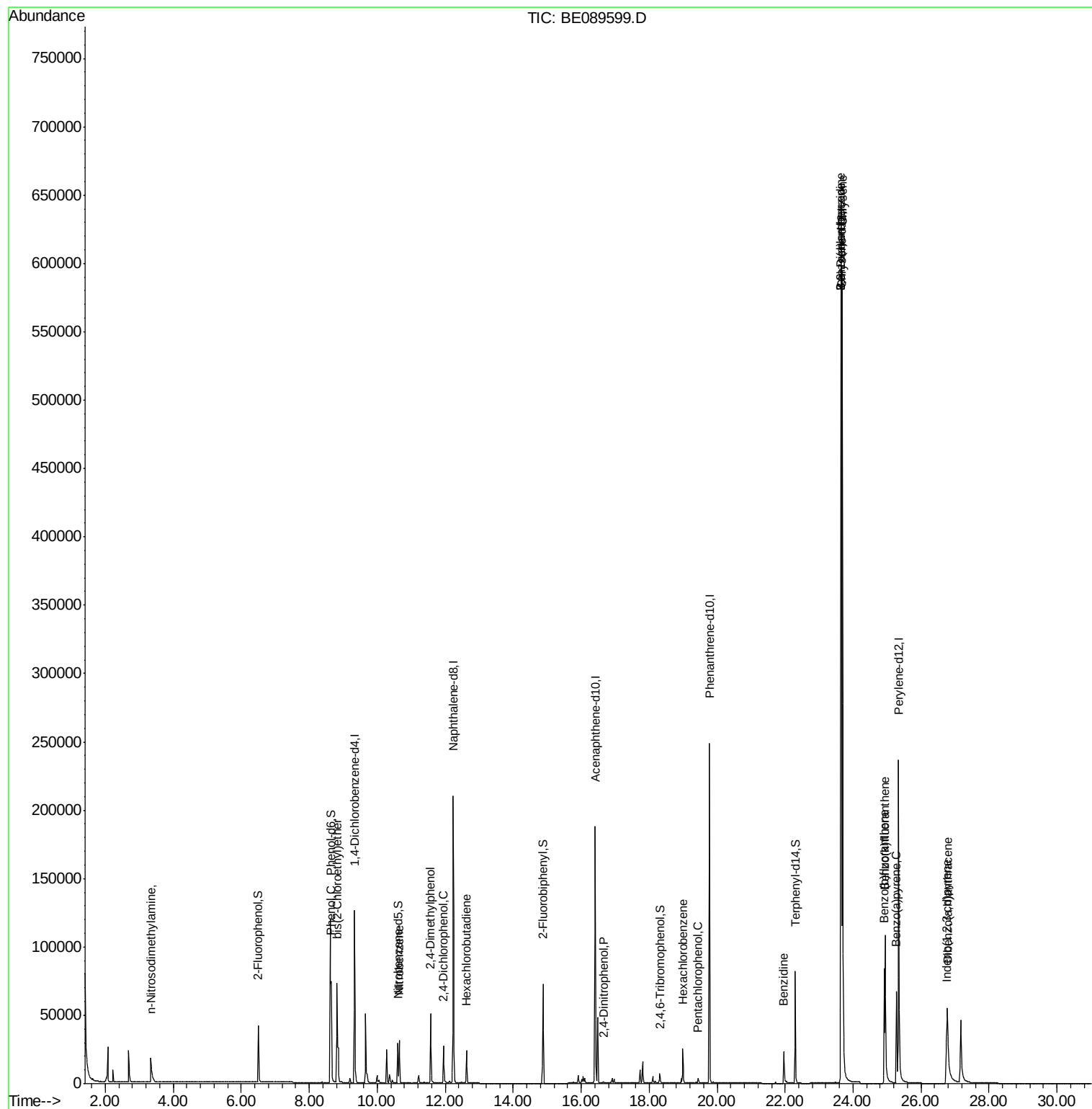
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.33	42	14750	1.69	ng	# 54
5) Phenol	8.65	94	46232	1.89	ng	97
6) bis(2-Chloroethyl)ether	8.83	93	35972	1.92	ng	# 99
9) Nitrobenzene	10.65	77	28108	2.35	ng	99
10) 2,4-Dimethylphenol	11.58	122	26598	1.93	ng	98
11) 2,4-Dichlorophenol	11.96	162	21486	1.98	ng	99
12) Hexachlorobutadiene	12.63	225	14914	1.99	ng	99
16) 2,4-Dinitrophenol	16.65	184	940	2.18	ng	87
18) Hexachlorobenzene	19.00	284	20533	2.05	ng	# 83
19) Pentachlorophenol	19.44	266	3336	1.97	ng	98
21) Benzidine	21.96	184	29602	1.57	ng	99
23) Benzo(a)anthracene	23.64	228	457590	1.94	ng	98
24) 3,3'-Dichlorobenzidine	23.64	252	26739	1.76	ng	# 99
25) Chrysene	23.69	228	480851	1.98	ng	98
26) Indeno(1,2,3-cd)pyrene	26.75	276	93945	1.76	ng	# 100
28) Benzo(b)fluoranthene	24.92	252	78321	1.94	ng	99
29) Benzo(k)fluoranthene	24.94	252	129007	2.23	ng	100
30) Benzo(a)pyrene	25.28	252	75743	1.96	ng	99
31) Dibenzo(a,h)anthracene	26.78	278	72886	1.89	ng	99

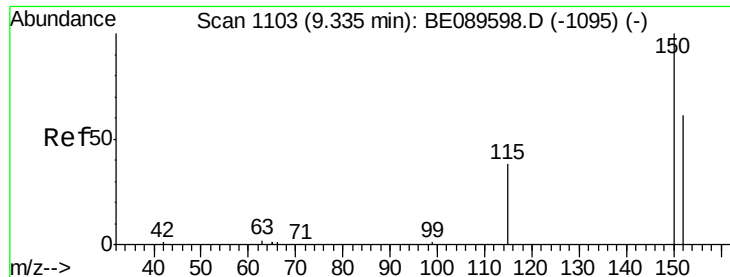
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. 0.01 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

Instrument :

BNA_E

LabSampleId :

SSTDIC002

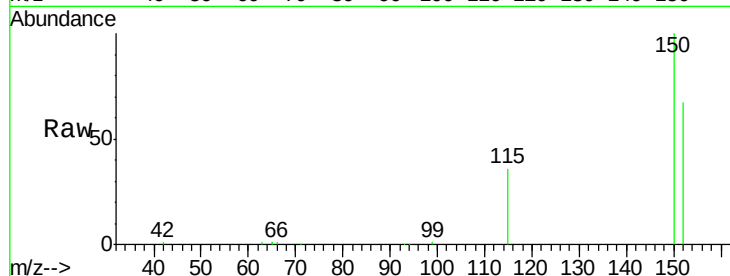
Tgt Ion: 152 Resp: 60840

Ion Ratio Lower Upper

152 100

150 150.0 130.7 196.1

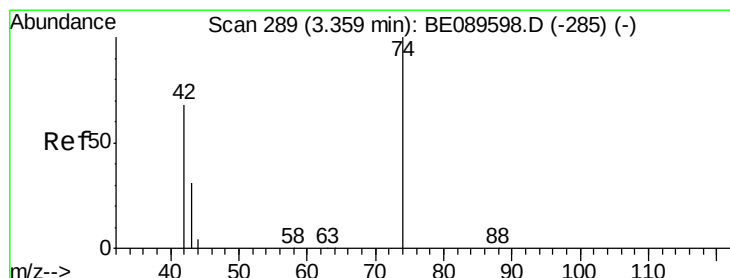
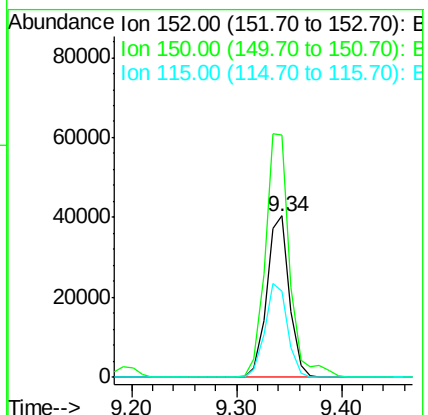
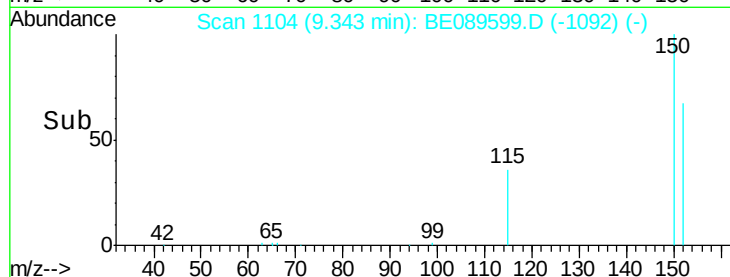
115 53.4 49.6 74.4



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: 1.69 ng

RT: 3.33 min Scan# 285

Delta R.T. -0.03 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

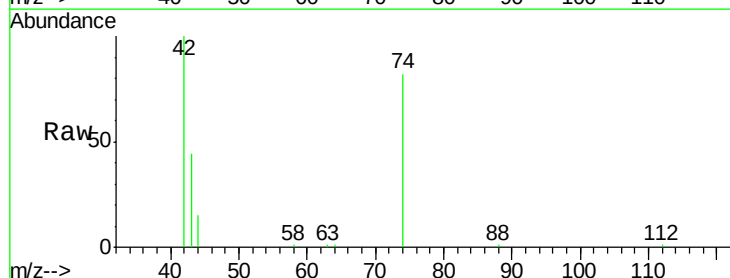
Tgt Ion: 42 Resp: 14750

Ion Ratio Lower Upper

42 100

74 82.1 114.6 171.8#

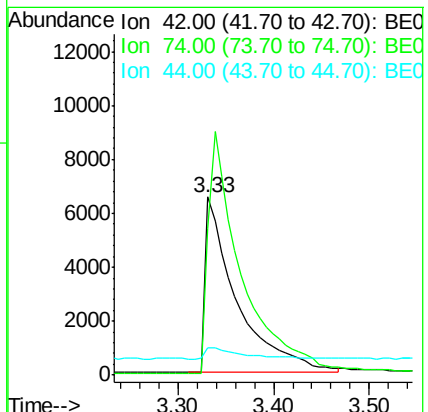
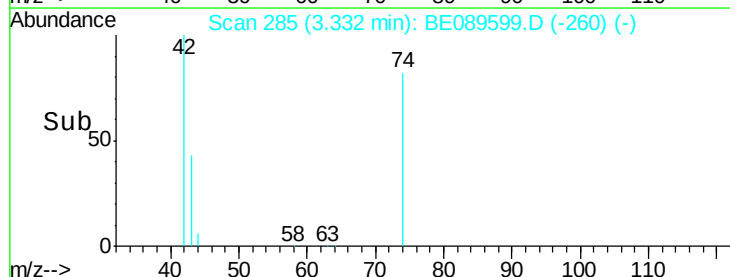
44 15.1 27.5 41.3#

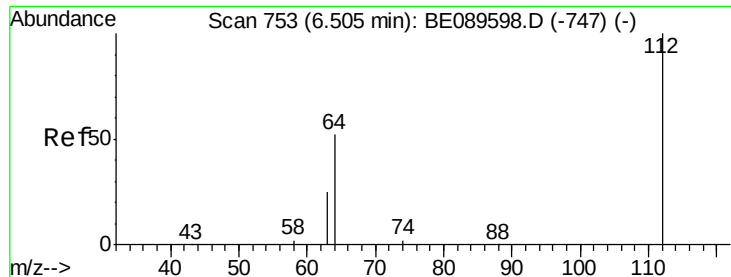


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

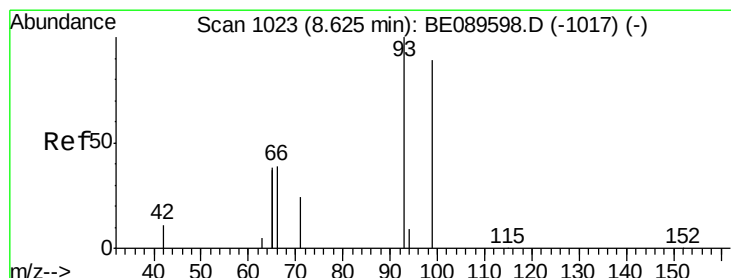
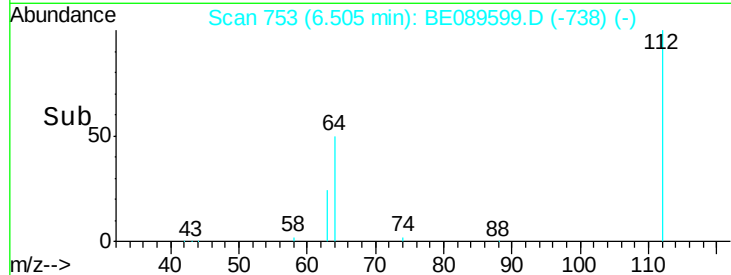
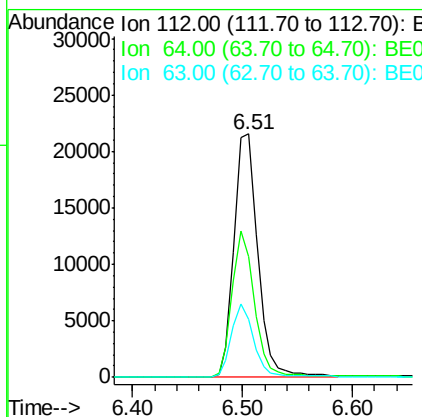
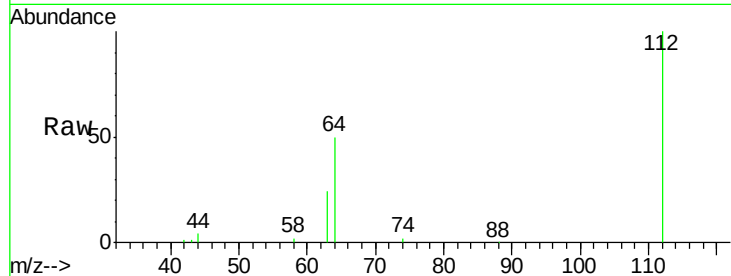




#3
 2-Fluorophenol
 Concen: 1.88 ng
 RT: 6.51 min Scan# 753
 Delta R.T. -0.00 min
 Lab File: BE089599.D
 Acq: 17 Feb 2015 17:45

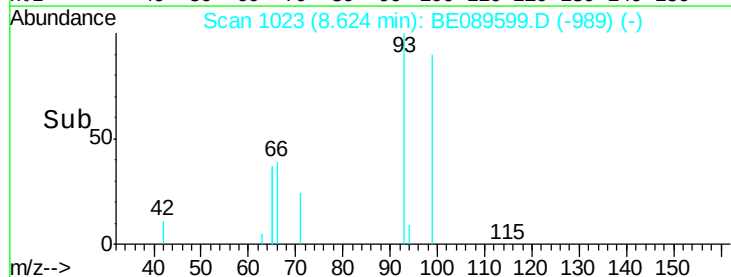
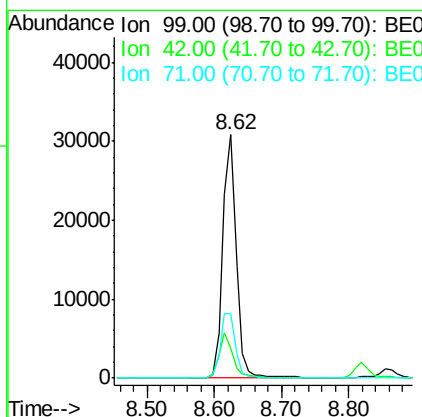
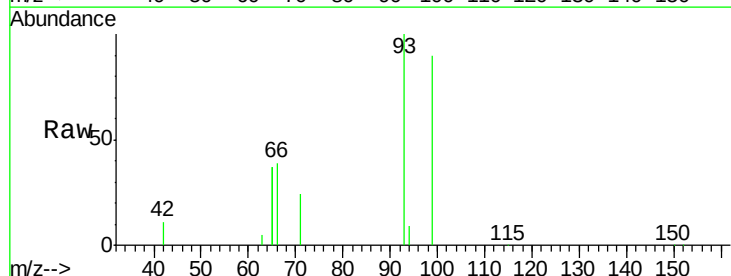
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

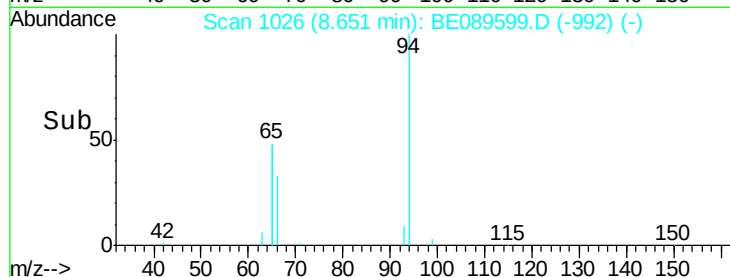
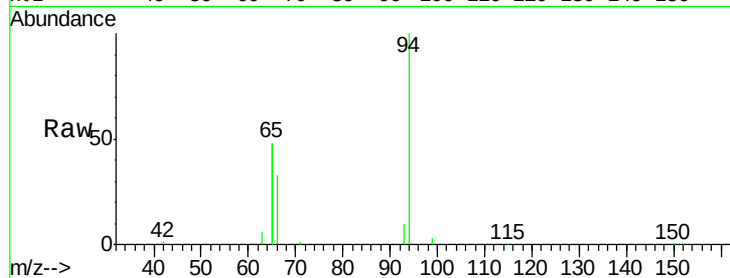
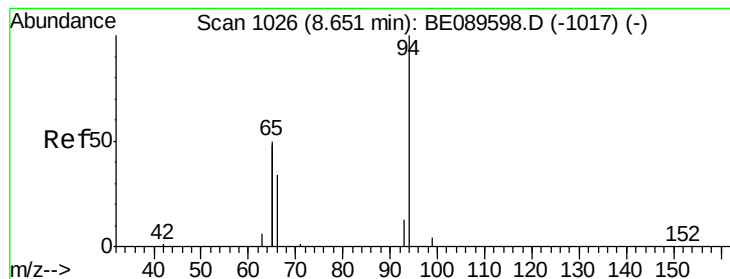
Tgt Ion:	112	Resp:	32064
Ion	Ratio	Lower	Upper
112	100		
64	49.8	41.7	62.5
63	23.8	20.3	30.5



#4
 Phenol-d6
 Concen: 1.87 ng
 RT: 8.62 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BE089599.D
 Acq: 17 Feb 2015 17:45

Tgt Ion:	99	Resp:	42546
Ion	Ratio	Lower	Upper
99	100		
42	12.1	10.8	16.2
71	26.4	21.8	32.6





#5

Phenol

Concen: 1.89 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

Instrument :

BNA_E

LabSampleId :

SSTDICC002

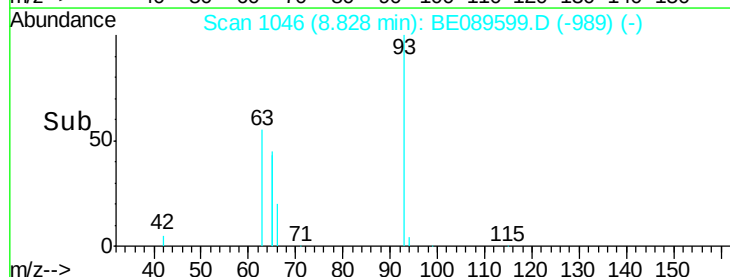
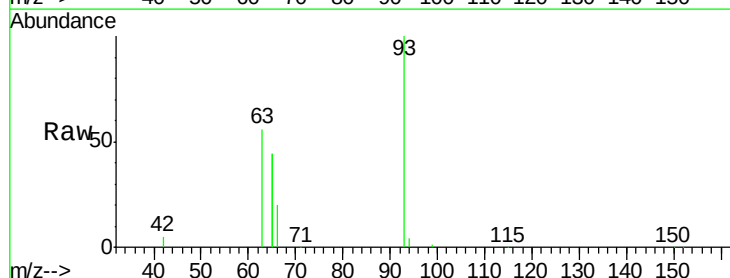
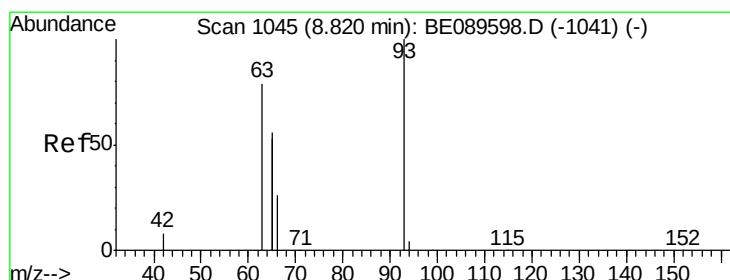
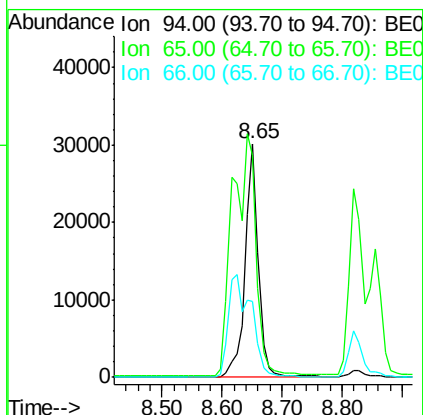
Tgt Ion: 94 Resp: 46232

Ion Ratio Lower Upper

94 100

65 95.1 78.6 118.6

66 32.7 14.0 54.0



#6

bis(2-Chloroethyl)ether

Concen: 1.92 ng

RT: 8.83 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

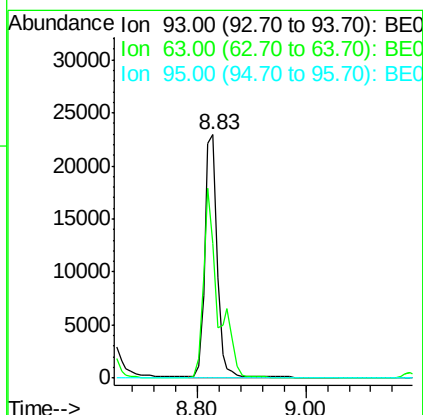
Tgt Ion: 93 Resp: 35972

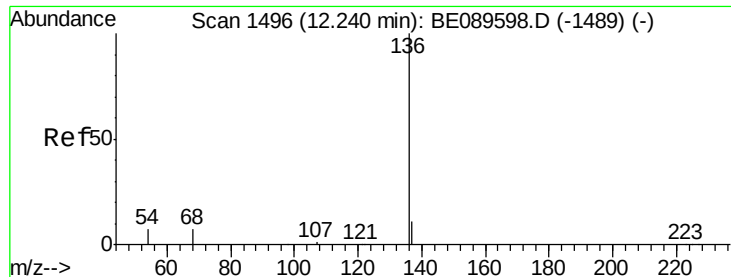
Ion Ratio Lower Upper

93 100

63 94.2 74.6 112.0

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

Instrument :

BNA_E

LabSampleId :

SSTDICC002

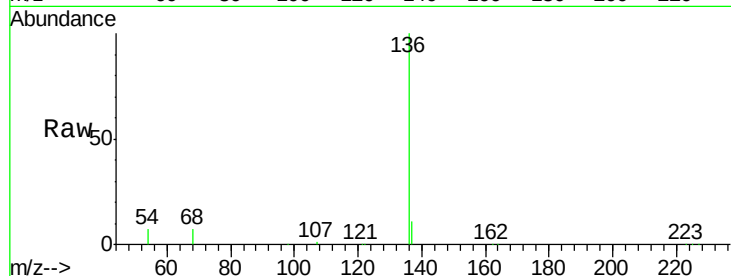
Tgt Ion: 136 Resp: 244208

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

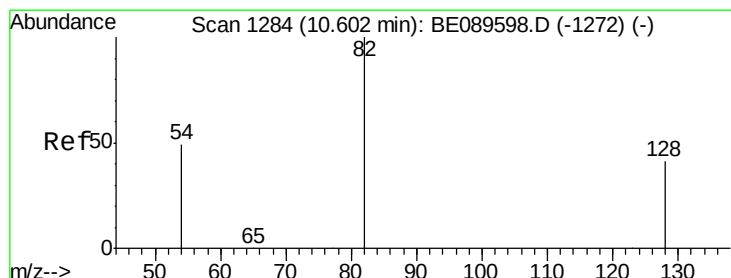
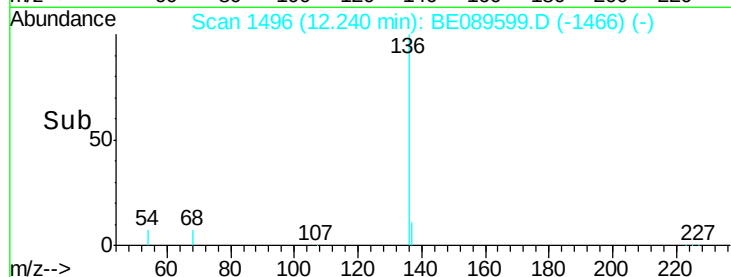
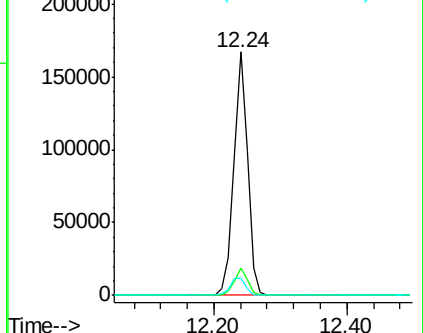
54 7.3 5.7 8.5



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: 2.18 ng

RT: 10.61 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

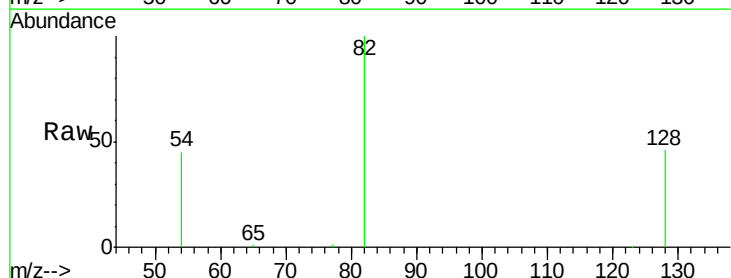
Tgt Ion: 82 Resp: 21898

Ion Ratio Lower Upper

82 100

128 45.7 33.2 49.8

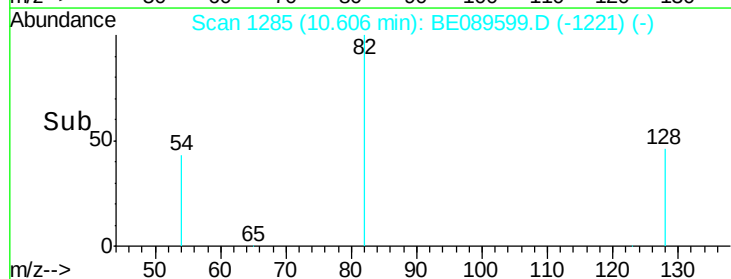
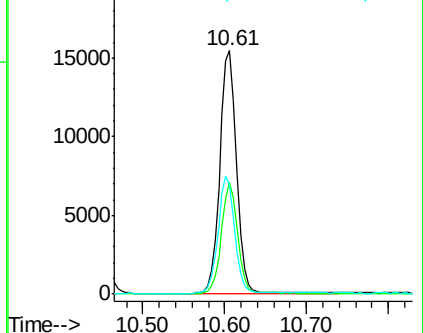
54 44.8 39.6 59.4

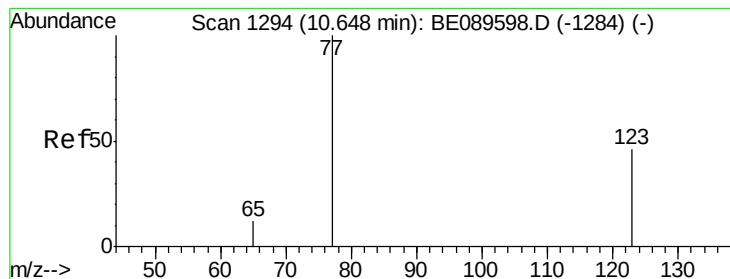


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 2.35 ng

RT: 10.65 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

Instrument :

BNA_E

LabSampleId :

SSTDICC002

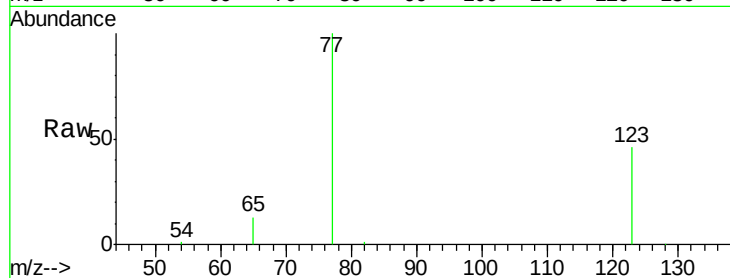
Tgt Ion: 77 Resp: 28108

Ion Ratio Lower Upper

77 100

123 46.3 36.5 54.7

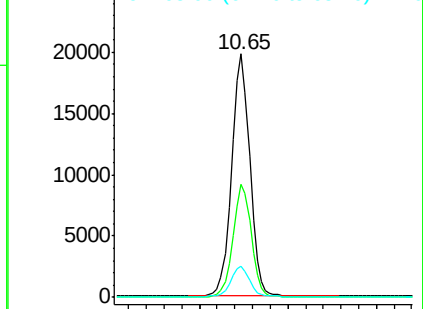
65 12.6 10.2 15.4



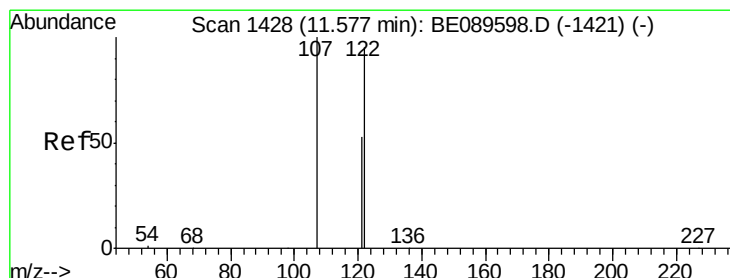
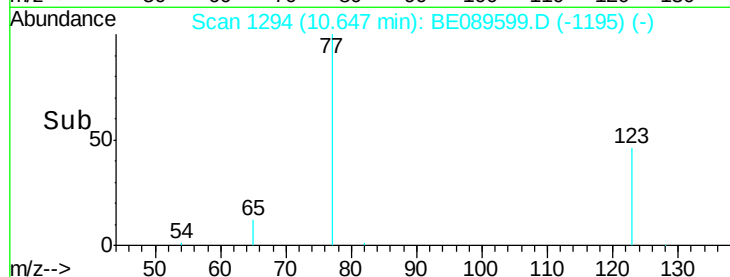
Abundance Ion 77.00 (76.70 to 77.70): BE089599.D (-1195) (-)

Ion 123.00 (122.70 to 123.70): BE089599.D (-1195) (-)

Ion 65.00 (64.70 to 65.70): BE089599.D (-1195) (-)



Time-->



#10

2,4-Dimethylphenol

Concen: 1.93 ng

RT: 11.58 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

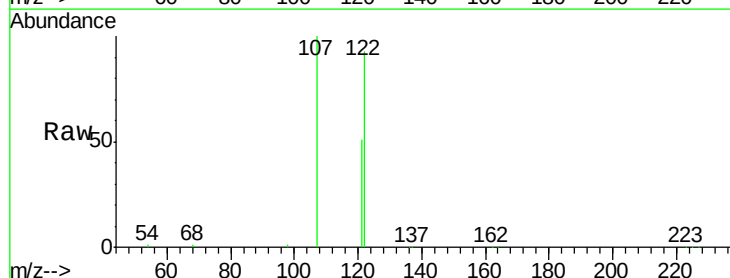
Tgt Ion: 122 Resp: 26598

Ion Ratio Lower Upper

122 100

107 108.0 83.9 125.9

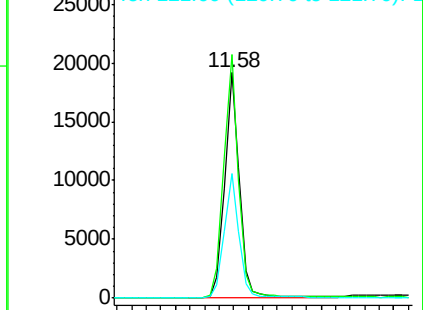
121 55.3 44.9 67.3



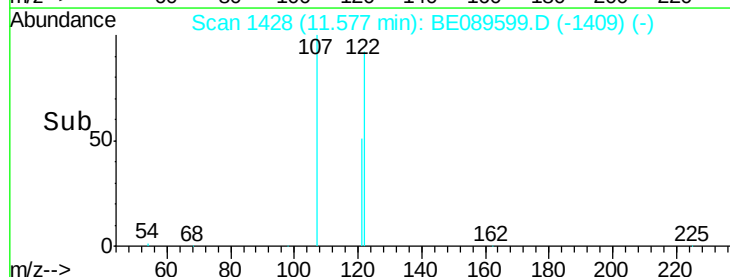
Abundance Ion 122.00 (121.70 to 122.70): BE089599.D (-1409) (-)

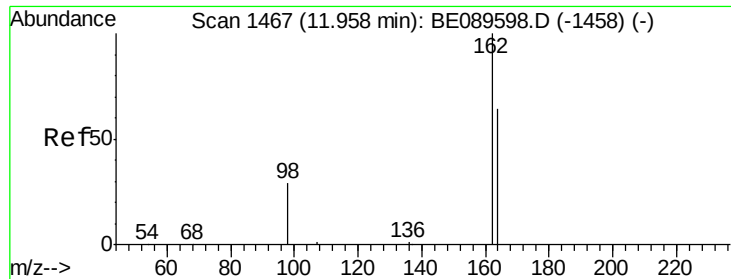
Ion 107.00 (106.70 to 107.70): BE089599.D (-1409) (-)

Ion 121.00 (120.70 to 121.70): BE089599.D (-1409) (-)



Time-->

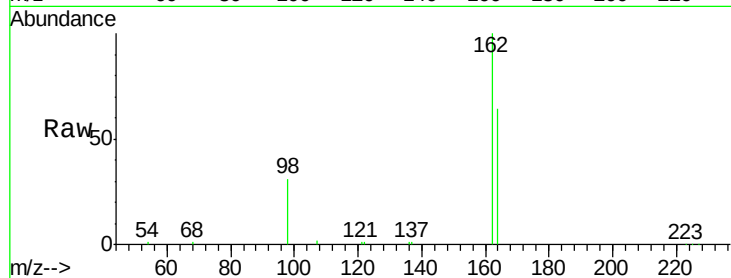




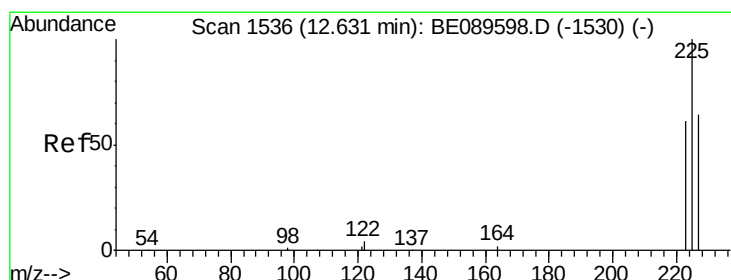
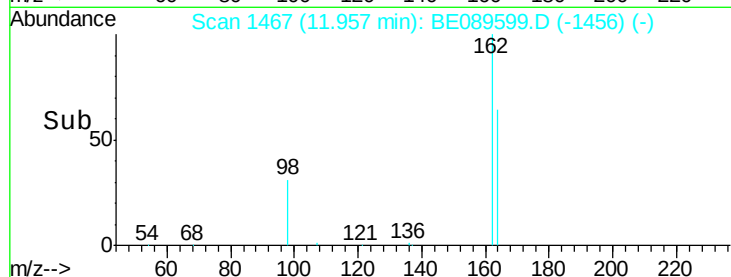
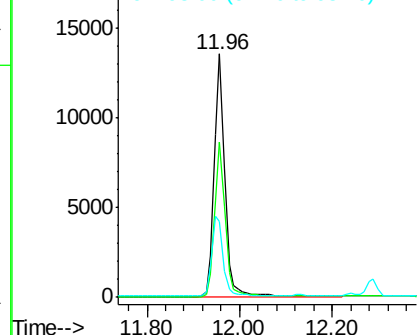
#11
 2,4-Dichlorophenol
 Concen: 1.98 ng
 RT: 11.96 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BE089599.D
 Acq: 17 Feb 2015 17:45

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Tgt Ion:162 Resp: 21486
 Ion Ratio Lower Upper
 162 100
 164 64.0 44.7 84.7
 98 31.1 10.3 50.3

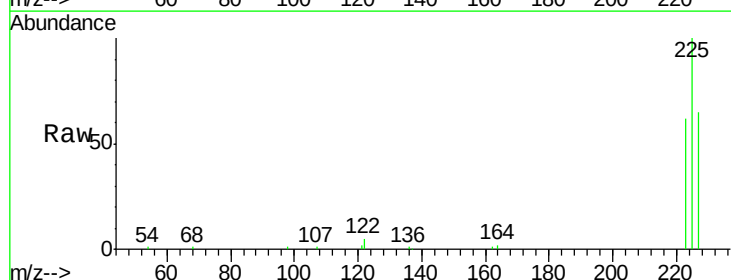


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

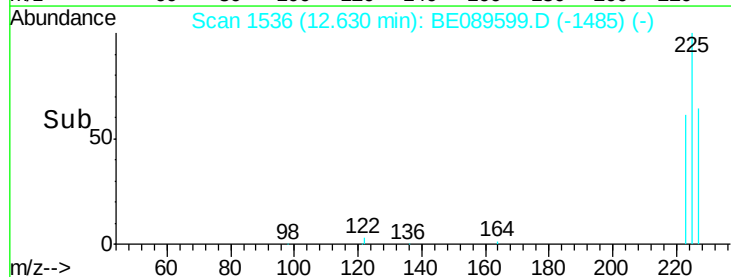
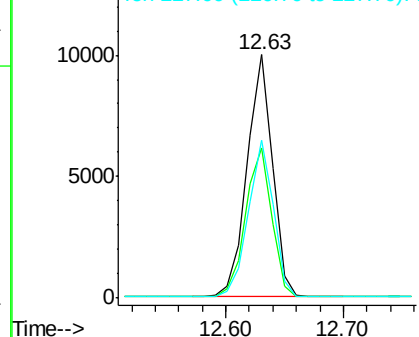


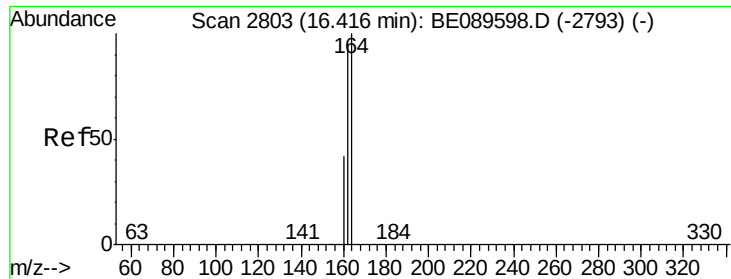
#12
 Hexachlorobutadiene
 Concen: 1.99 ng
 RT: 12.63 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BE089599.D
 Acq: 17 Feb 2015 17:45

Tgt Ion:225 Resp: 14914
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.3 75.5
 227 64.2 50.6 75.8



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: 16.42 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

Instrument :

BNA_E

LabSampleId :

SSTDICC002

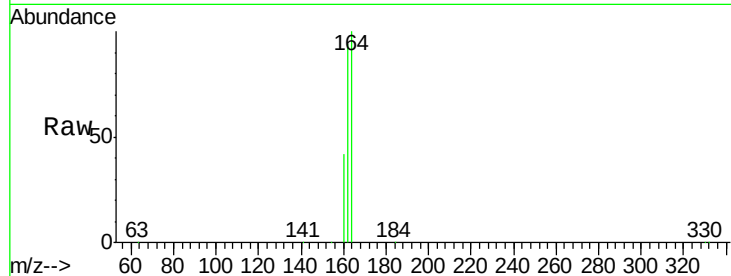
Tgt Ion:164 Resp: 121904

Ion Ratio Lower Upper

164 100

162 94.2 76.3 114.5

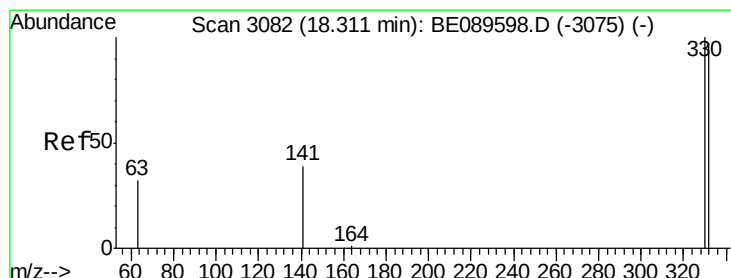
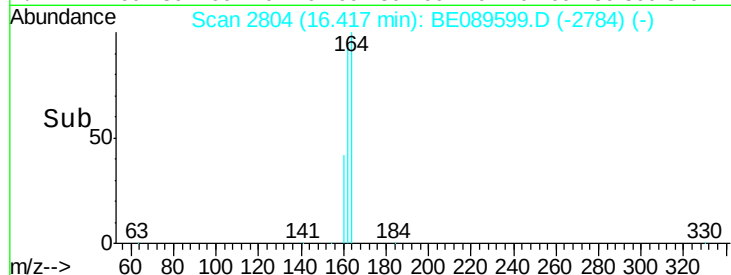
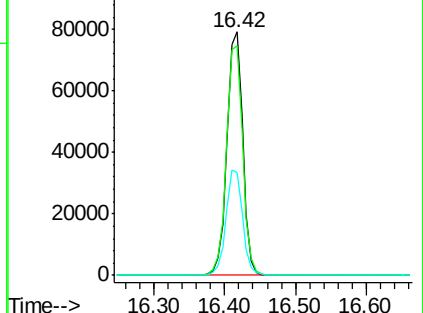
160 42.3 33.9 50.9



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: 1.86 ng

RT: 18.31 min Scan# 3083

Delta R.T. 0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

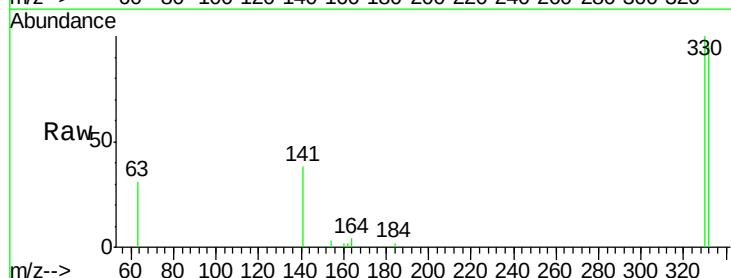
Tgt Ion:330 Resp: 4696

Ion Ratio Lower Upper

330 100

332 98.2 76.7 115.1

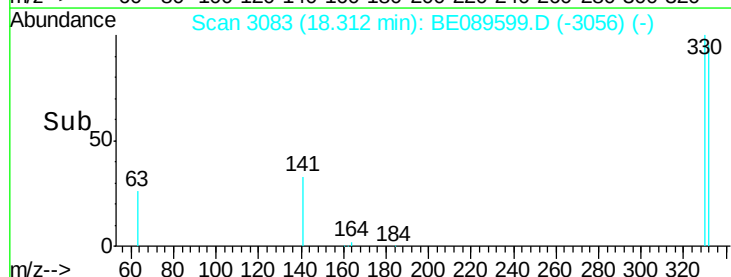
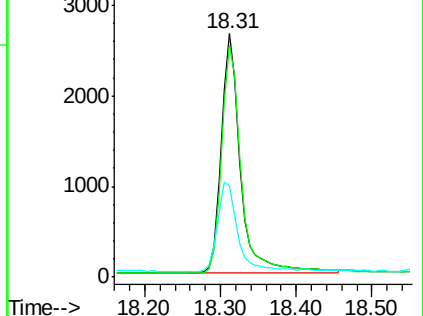
141 39.7 30.1 45.1

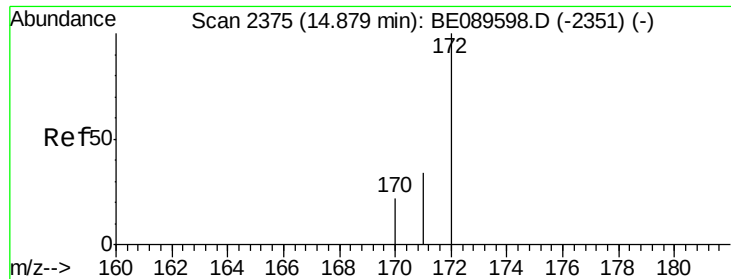


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

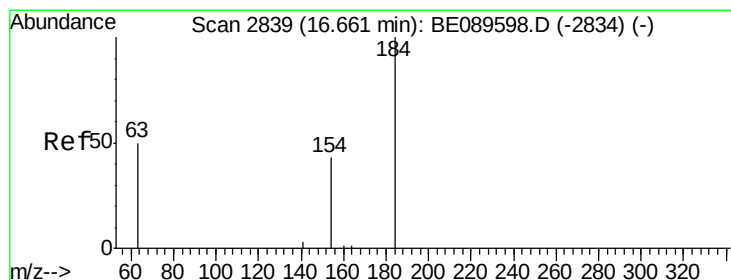
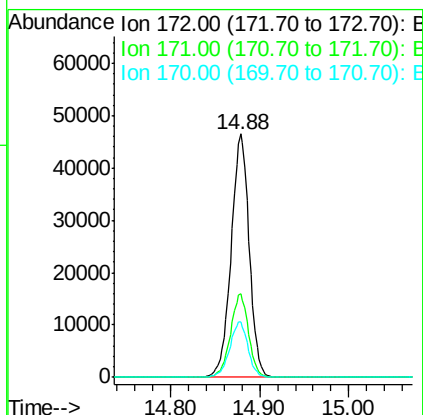
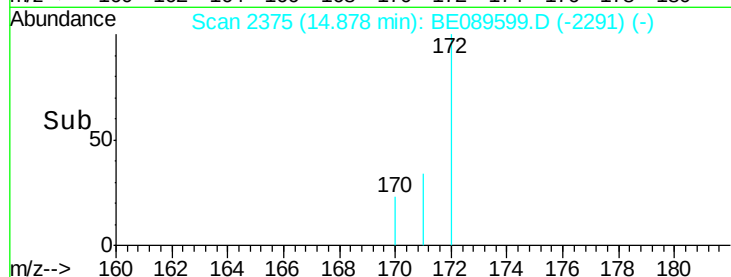
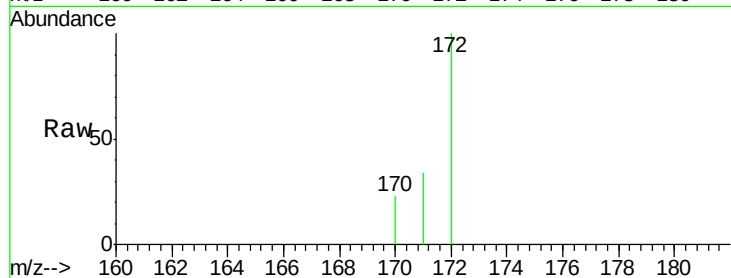




#15
2-Fluorobiphenyl
Concen: 1.99 ng
RT: 14.88 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BE089599.D
Acq: 17 Feb 2015 17:45

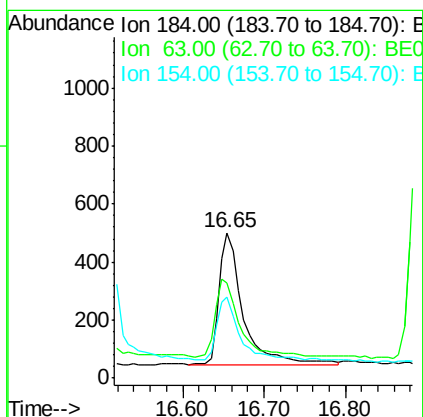
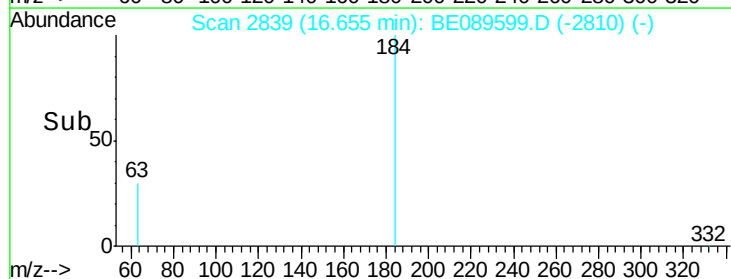
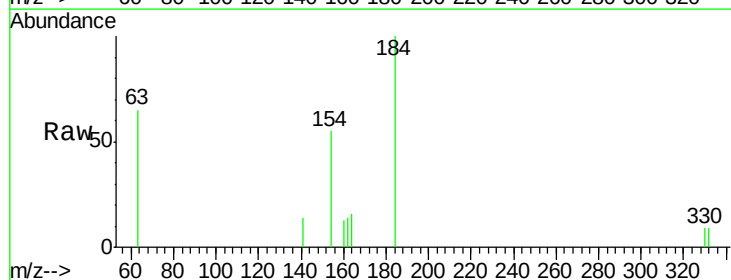
Instrument :
BNA_E
LabSampleId :
SSTDICC002

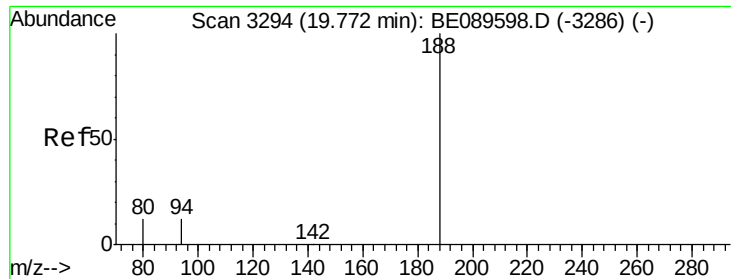
Tgt Ion:172 Resp: 65164
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.0
170 22.8 17.9 26.9



#16
2,4-Dinitrophenol
Concen: 2.18 ng
RT: 16.65 min Scan# 2839
Delta R.T. -0.01 min
Lab File: BE089599.D
Acq: 17 Feb 2015 17:45

Tgt Ion:184 Resp: 940
Ion Ratio Lower Upper
184 100
63 65.5 61.0 91.4
154 55.5 53.4 80.0





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3295

Delta R.T. -0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

Instrument :

BNA_E

LabSampleId :

SSTDICC002

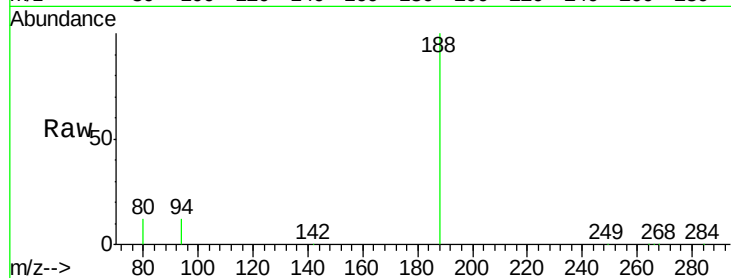
Tgt Ion:188 Resp: 237165

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

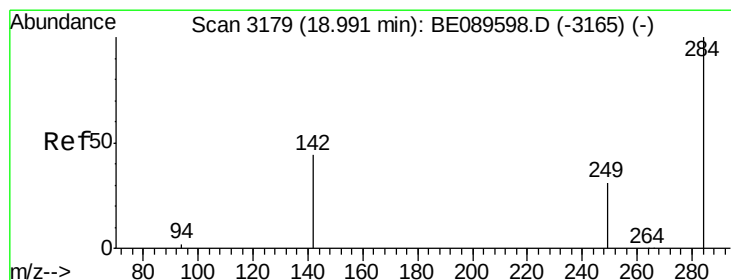
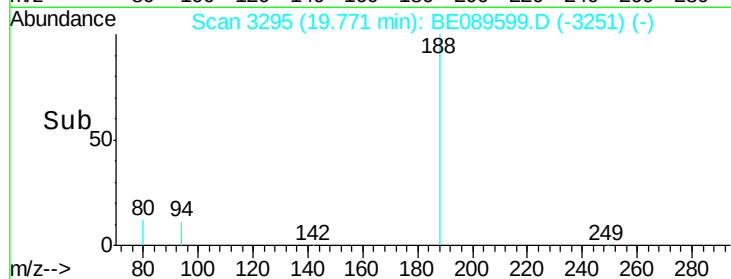
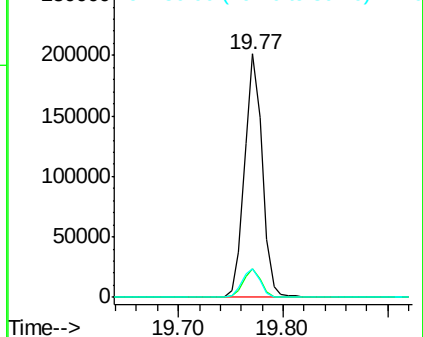
80 11.9 9.8 14.8



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: 2.05 ng

RT: 19.00 min Scan# 3181

Delta R.T. 0.01 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

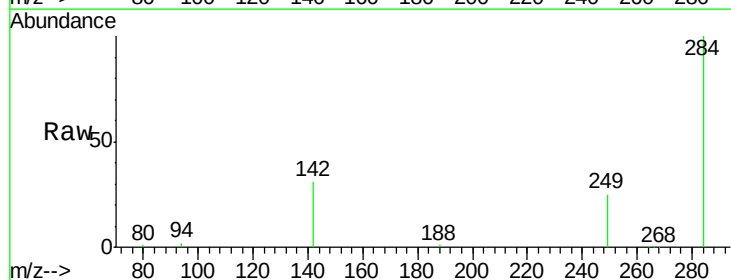
Tgt Ion:284 Resp: 20533

Ion Ratio Lower Upper

284 100

142 30.8 35.6 53.4#

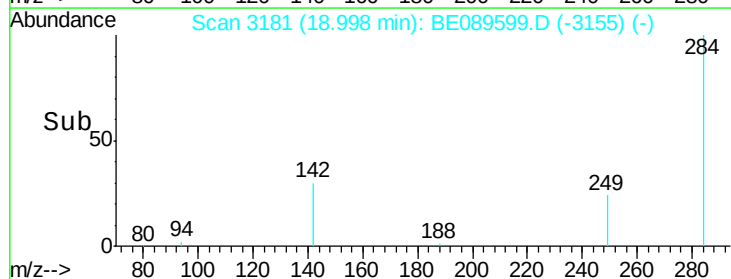
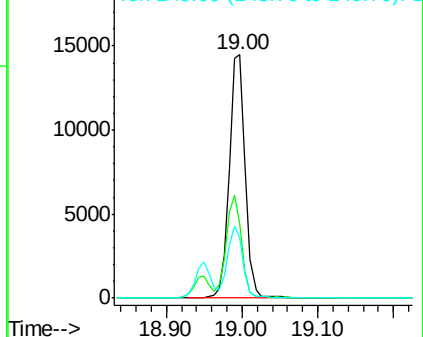
249 24.7 25.2 37.8#

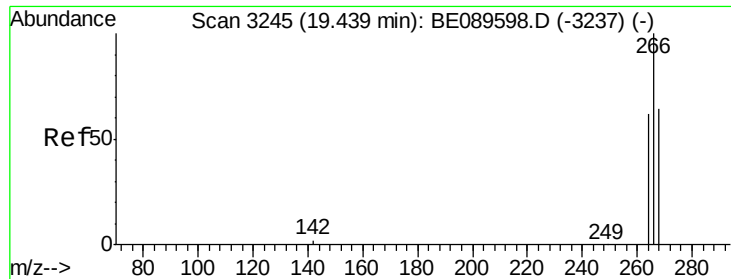


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

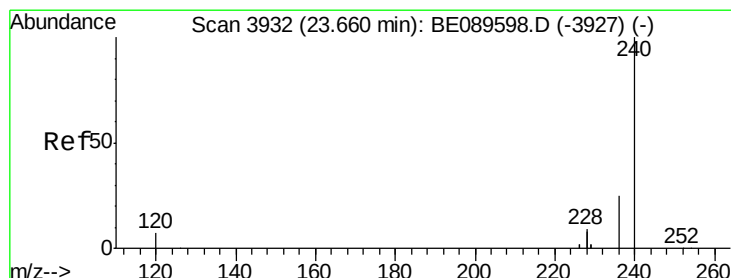
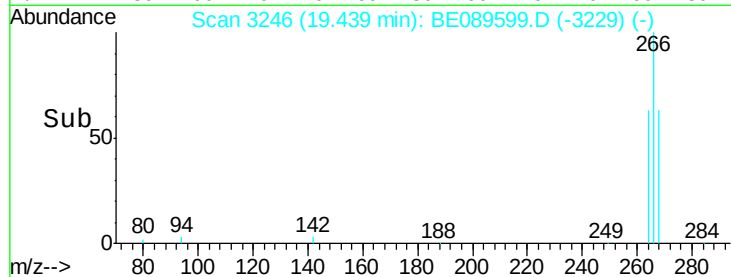
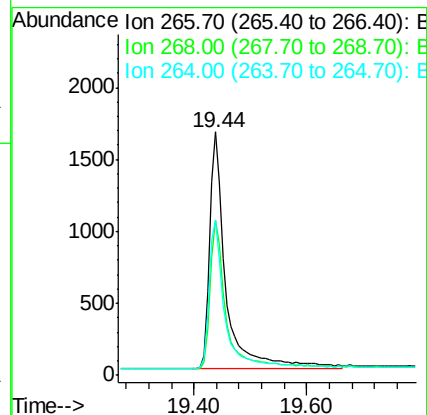
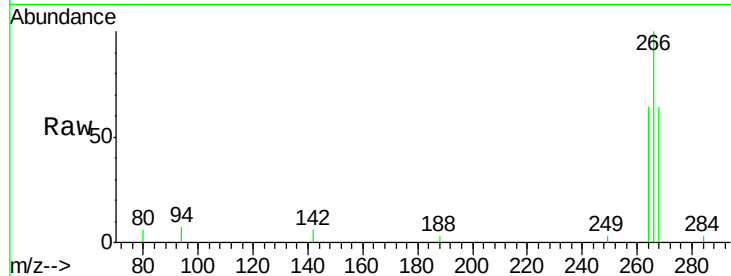




#19
 Pentachlorophenol
 Concen: 1.97 ng
 RT: 19.44 min Scan# 3246
 Delta R.T. -0.00 min
 Lab File: BE089599.D
 Acq: 17 Feb 2015 17:45

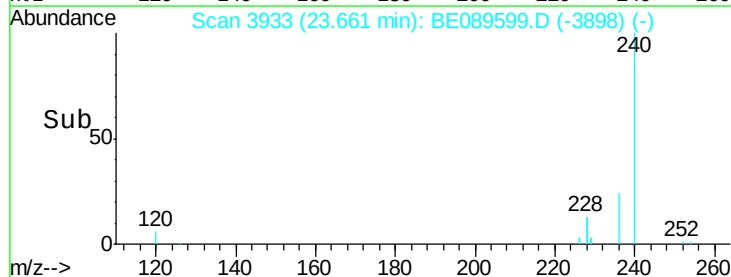
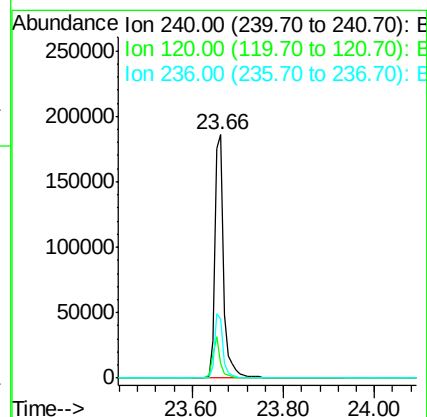
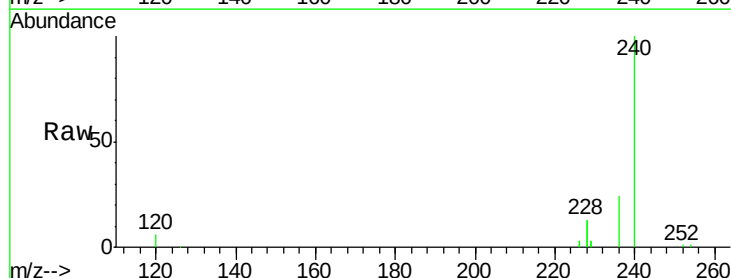
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

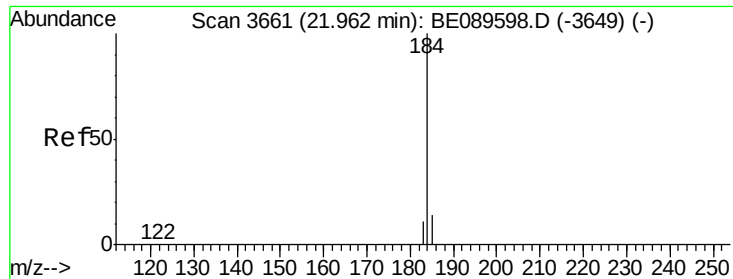
Tgt Ion: 266 Resp: 3336
 Ion Ratio Lower Upper
 266 100
 268 63.8 53.0 79.4
 264 63.6 51.9 77.9



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3933
 Delta R.T. 0.00 min
 Lab File: BE089599.D
 Acq: 17 Feb 2015 17:45

Tgt Ion: 240 Resp: 251825
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.4 8.0
 236 24.3 19.8 29.6

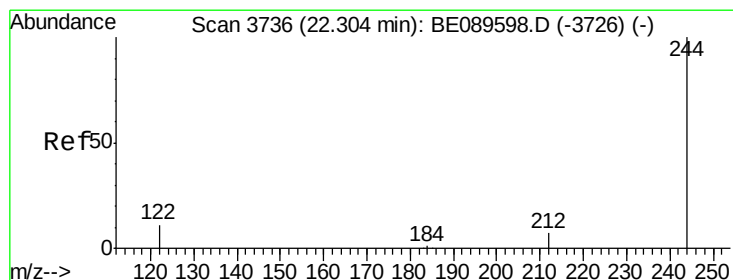
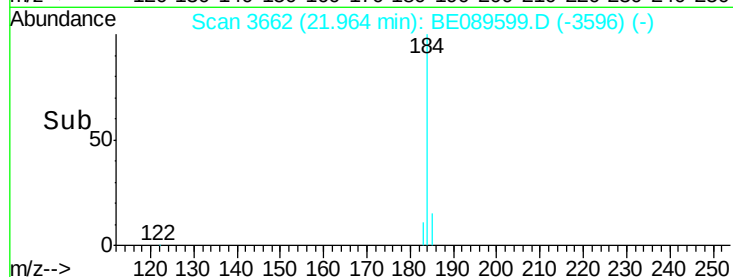
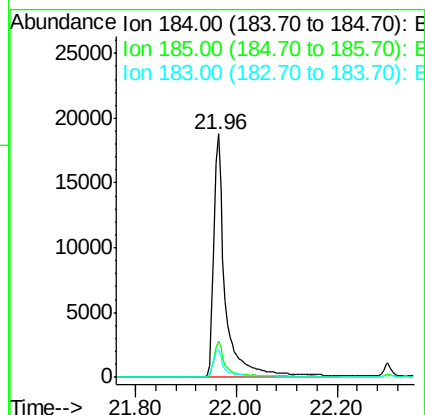
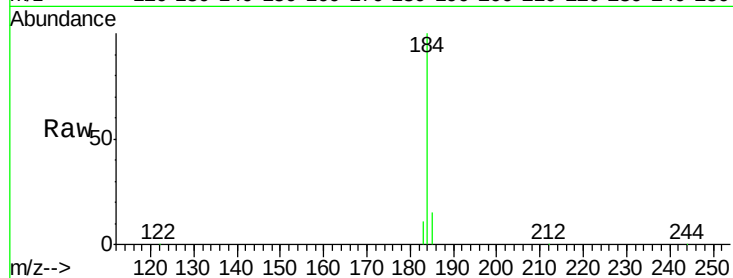




#21
Benzidine
Concen: 1.57 ng
RT: 21.96 min Scan# 3662
Delta R.T. 0.00 min
Lab File: BE089599.D
Acq: 17 Feb 2015 17:45

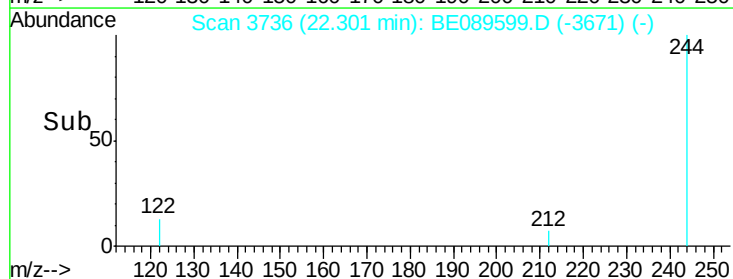
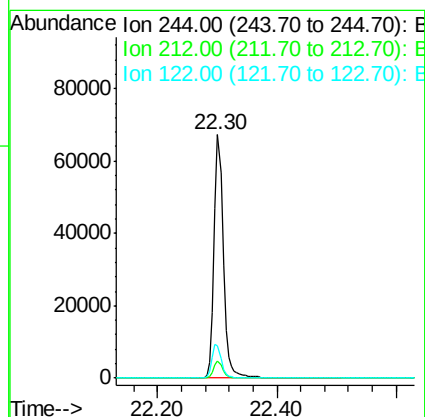
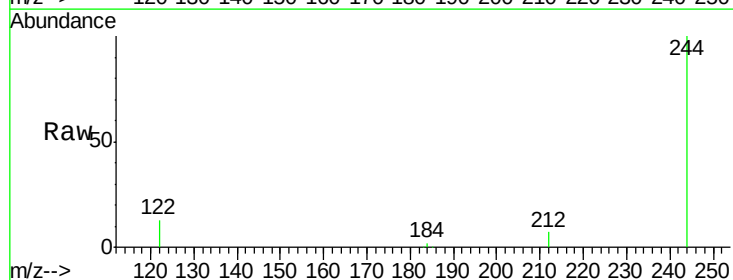
Instrument :
BNA_E
LabSampleId :
SSTDICC002

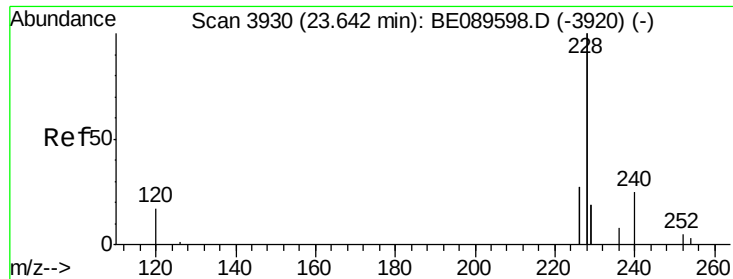
Tgt Ion:184 Resp: 29602
Ion Ratio Lower Upper
184 100
185 15.0 11.8 17.8
183 11.2 9.3 13.9



#22
Terphenyl-d14
Concen: 2.06 ng
RT: 22.30 min Scan# 3736
Delta R.T. -0.00 min
Lab File: BE089599.D
Acq: 17 Feb 2015 17:45

Tgt Ion:244 Resp: 70383
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 13.2 8.6 13.0#





#23

Benzo(a)anthracene

Concen: 1.94 ng

RT: 23.64 min Scan# 3931

Delta R.T. 0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

Instrument :

BNA_E

LabSampleId :

SSTDICC002

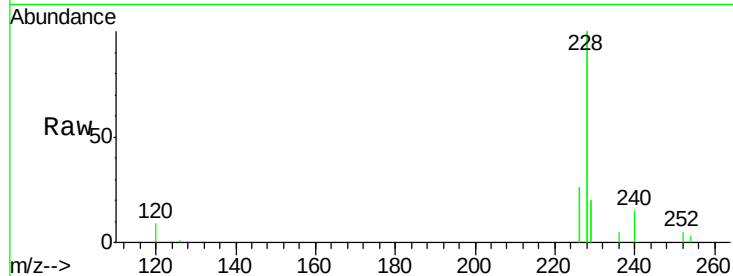
Tgt Ion:228 Resp: 457590

Ion Ratio Lower Upper

228 100

226 26.1 21.5 32.3

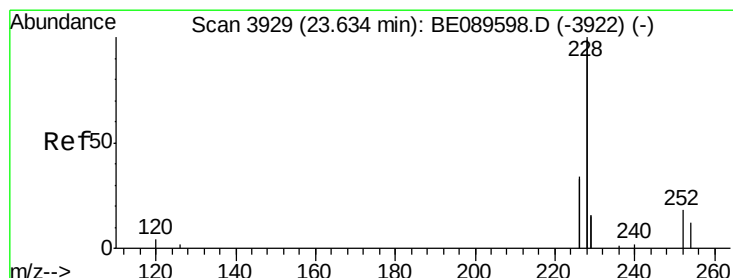
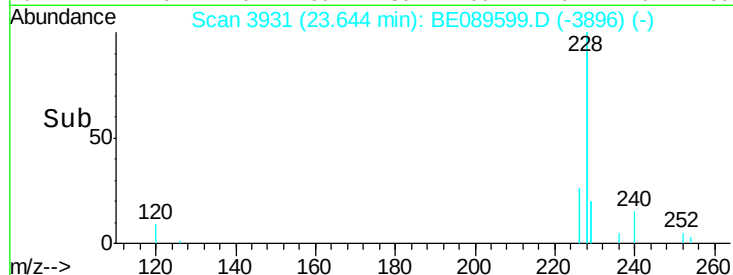
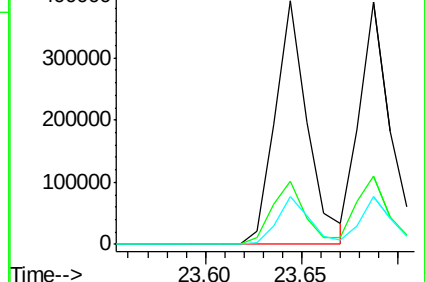
229 19.6 15.0 22.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

3,3'-Dichlorobenzidine

Concen: 1.76 ng

RT: 23.64 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

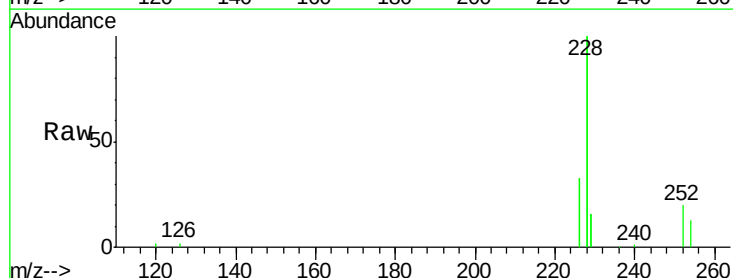
Tgt Ion:252 Resp: 26739

Ion Ratio Lower Upper

252 100

254 64.9 51.7 77.5

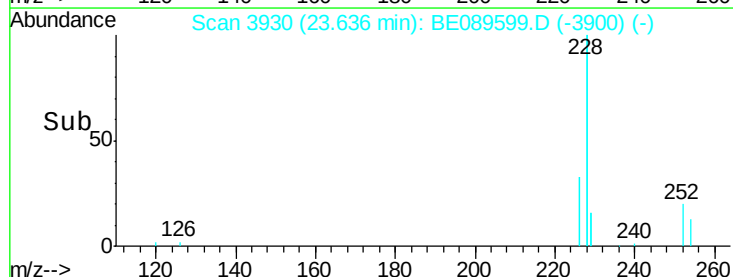
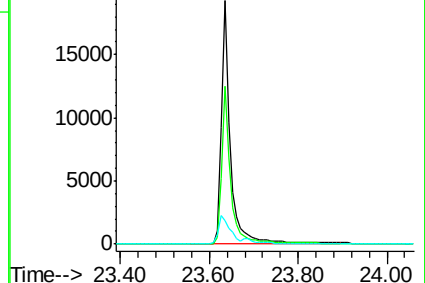
126 9.8 9.9 14.9#

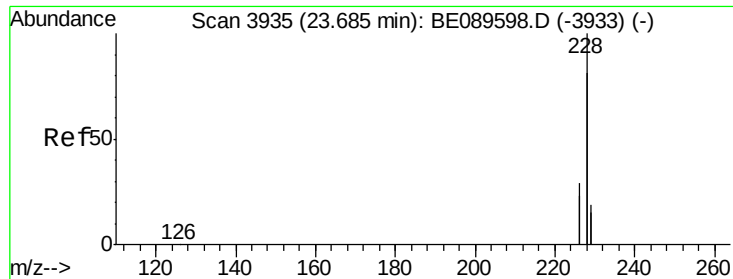


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 1.98 ng

RT: 23.69 min Scan# 3936

Delta R.T. 0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

Instrument :

BNA_E

LabSampleId :

SSTDICC002

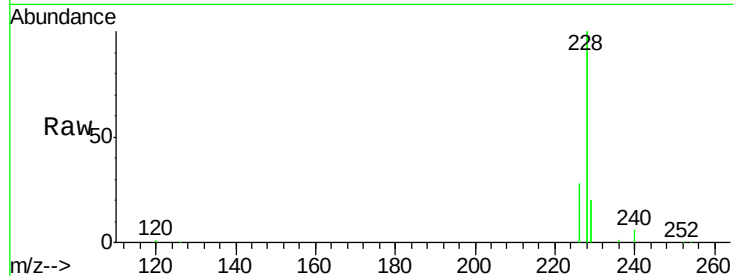
Tgt Ion:228 Resp: 480851

Ion Ratio Lower Upper

228 100

226 28.4 23.4 35.2

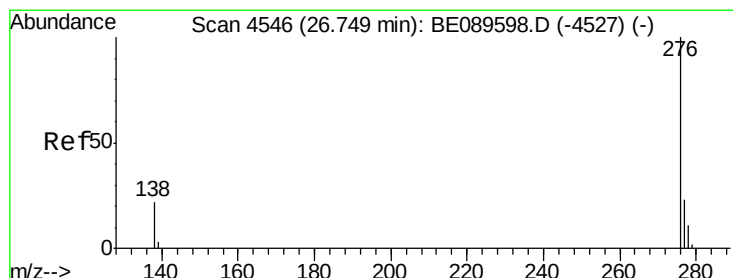
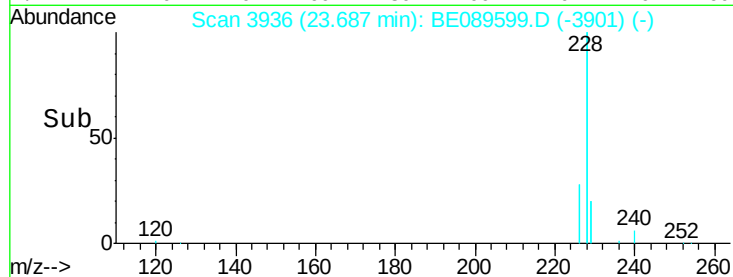
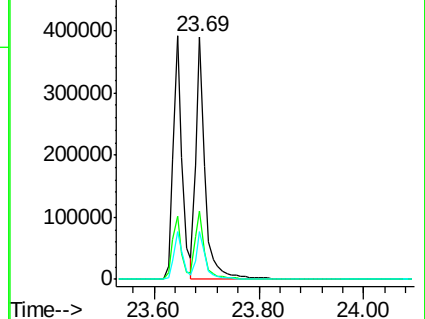
229 19.8 15.3 22.9



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 1.76 ng

RT: 26.75 min Scan# 4548

Delta R.T. 0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

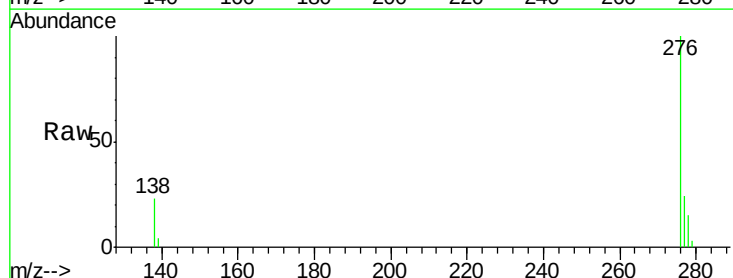
Tgt Ion:276 Resp: 93945

Ion Ratio Lower Upper

276 100

138 8.1 0.0 0.0#

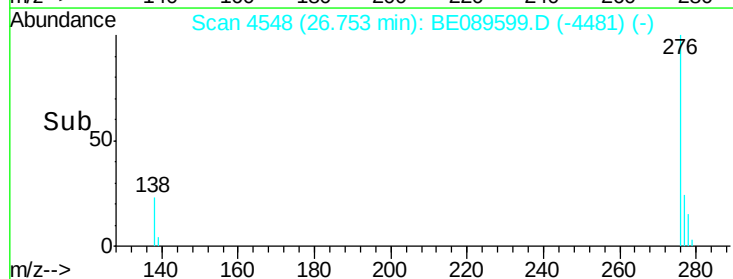
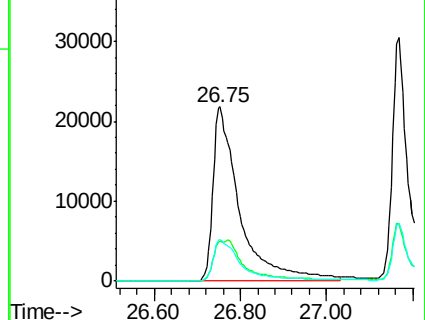
277 24.9 19.9 29.9

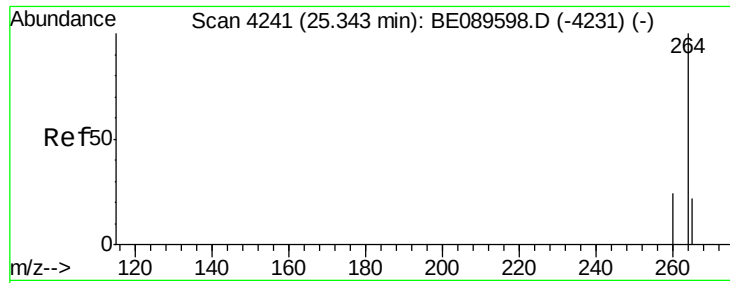


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



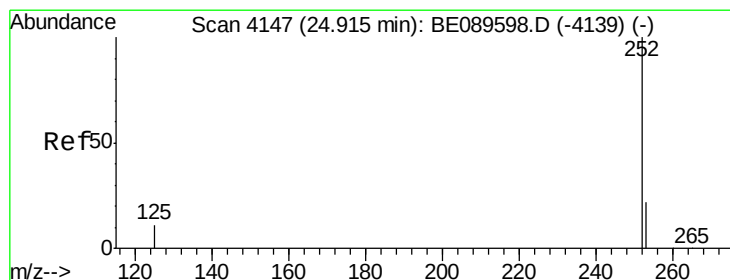
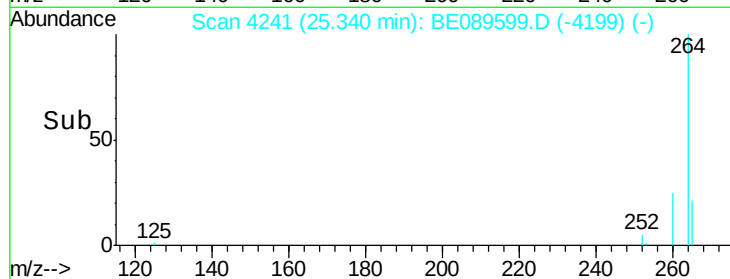
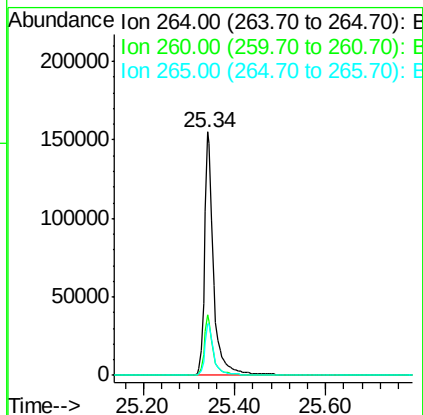
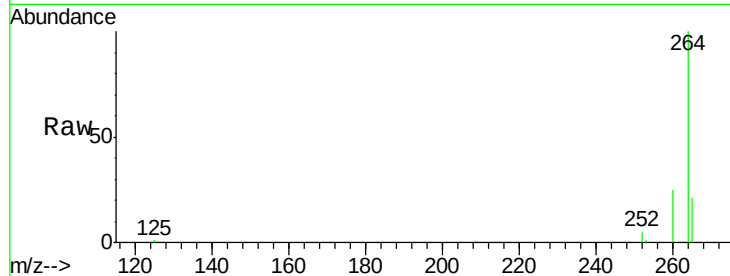


#27
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4241
Delta R.T. -0.00 min
Lab File: BE089599.D
Acq: 17 Feb 2015 17:45

Instrument :
BNA_E
LabSampleId :
SSTDIC002

Tgt Ion: 264 Resp: 215451

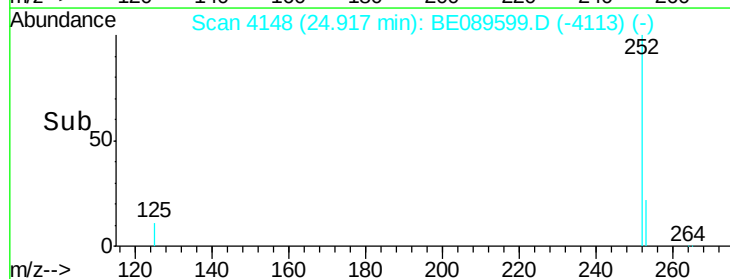
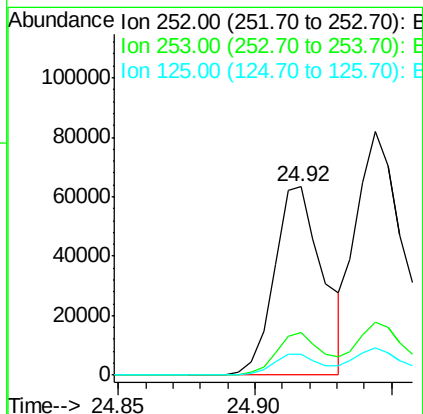
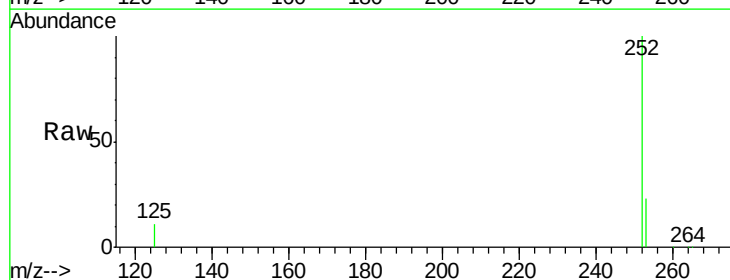
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.4
265	21.2	17.8	26.8

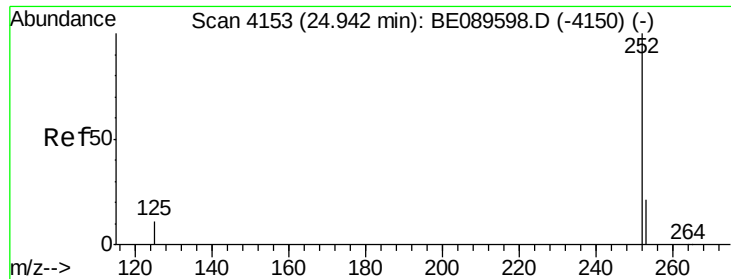


#28
Benzo(b)fluoranthene
Concen: 1.94 ng
RT: 24.92 min Scan# 4148
Delta R.T. 0.00 min
Lab File: BE089599.D
Acq: 17 Feb 2015 17:45

Tgt Ion: 252 Resp: 78321

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	10.9	8.9	13.3





#29

Benzo(k)fluoranthene

Concen: 2.23 ng

RT: 24.94 min Scan# 4154

Delta R.T. 0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

Instrument :

BNA_E

LabSampleId :

SSTDICC002

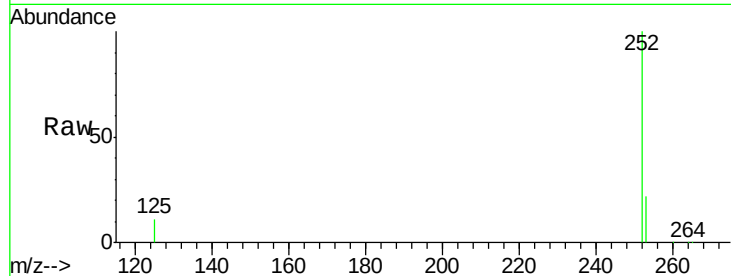
Tgt Ion:252 Resp: 129007

Ion Ratio Lower Upper

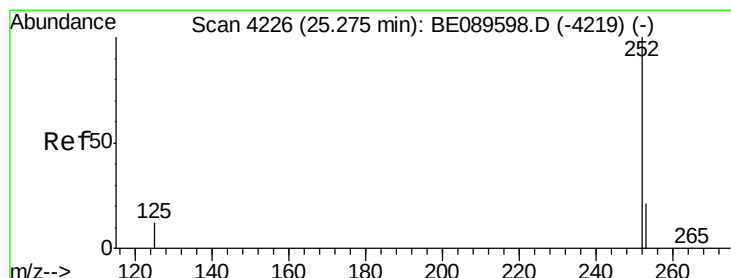
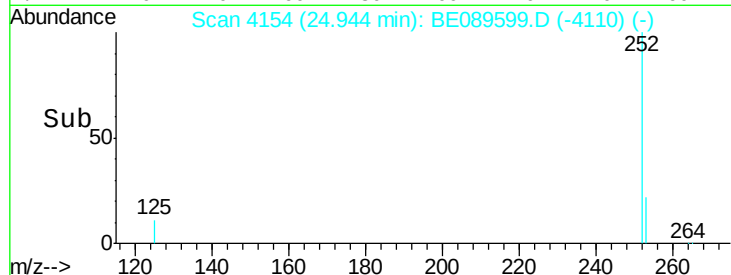
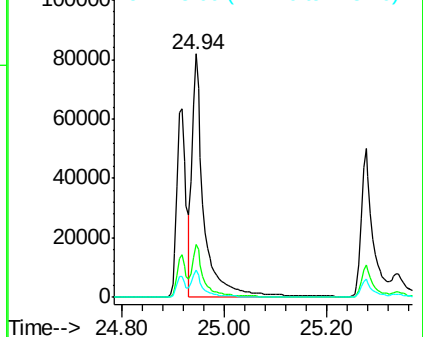
252 100

253 21.8 17.3 25.9

125 11.1 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#30

Benzo(a)pyrene

Concen: 1.96 ng

RT: 25.28 min Scan# 4227

Delta R.T. 0.00 min

Lab File: BE089599.D

Acq: 17 Feb 2015 17:45

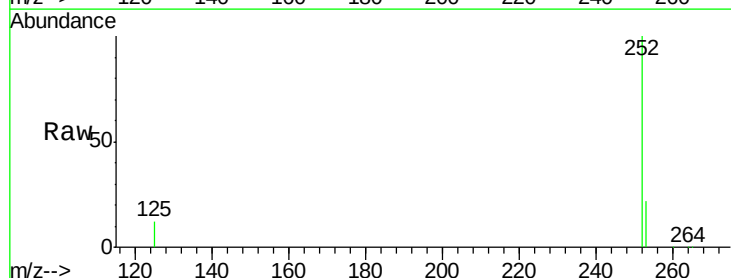
Tgt Ion:252 Resp: 75743

Ion Ratio Lower Upper

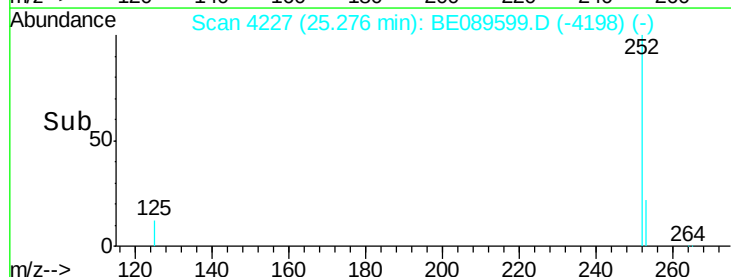
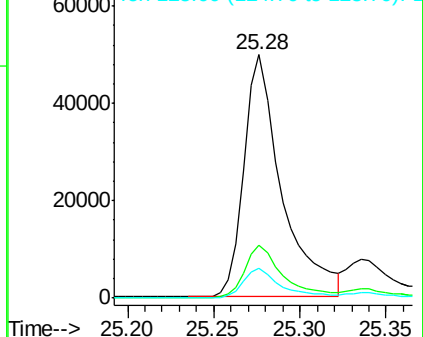
252 100

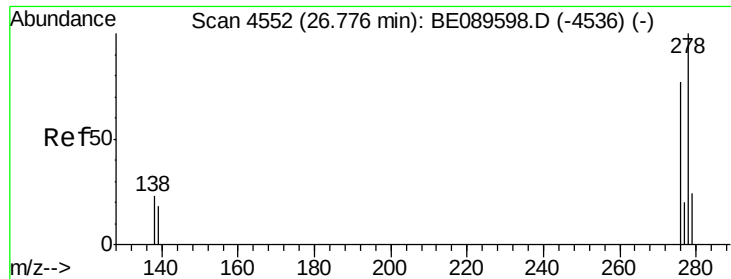
253 21.9 17.1 25.7

125 12.0 9.8 14.8



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





#31

Dibenzo(a,h)anthracene

Concen: 1.89 ng

RT: 26.78 min Scan# 4554

Delta R.T. 0.00 min

Lab File: BE089599.D

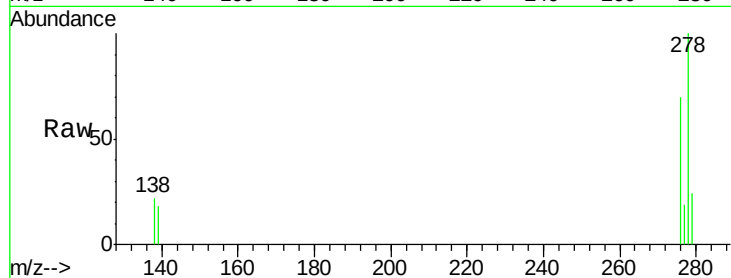
Acq: 17 Feb 2015 17:45

Instrument :

BNA_E

LabSampleId :

SSTDIC002



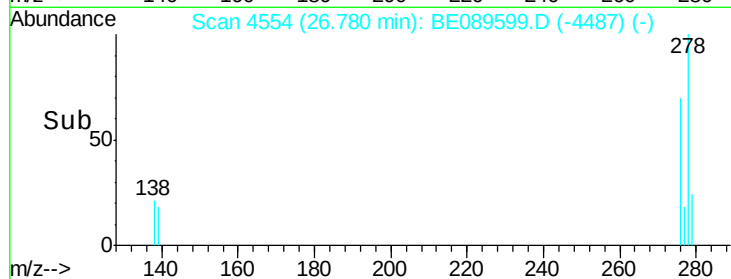
Tgt Ion: 278 Resp: 72886

Ion Ratio Lower Upper

278 100

139 17.8 14.6 21.8

279 23.9 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

