

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021715\
 Data File : BE089594.D
 Acq On : 17 Feb 2015 14:28
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Quant Time: Feb 18 13:42:48 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	53704	5.00	ng	0.00
7) Naphthalene-d8	12.24	136	215126	5.00	ng	0.00
13) Acenaphthene-d10	16.41	164	103684	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	202928	5.00	ng	0.00
20) Chrysene-d12	23.66	240	197472	5.00	ng	0.00
27) Perylene-d12	25.34	264	173397	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	1377	0.09	ng	0.00
4) Phenol-d6	8.62	99	1820	0.09	ng	0.00
8) Nitrobenzene-d5	10.61	82	836	0.09	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	159	0.07	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	2861	0.10	ng	0.00
22) Terphenyl-d14	22.30	244	2681	0.10	ng	0.00

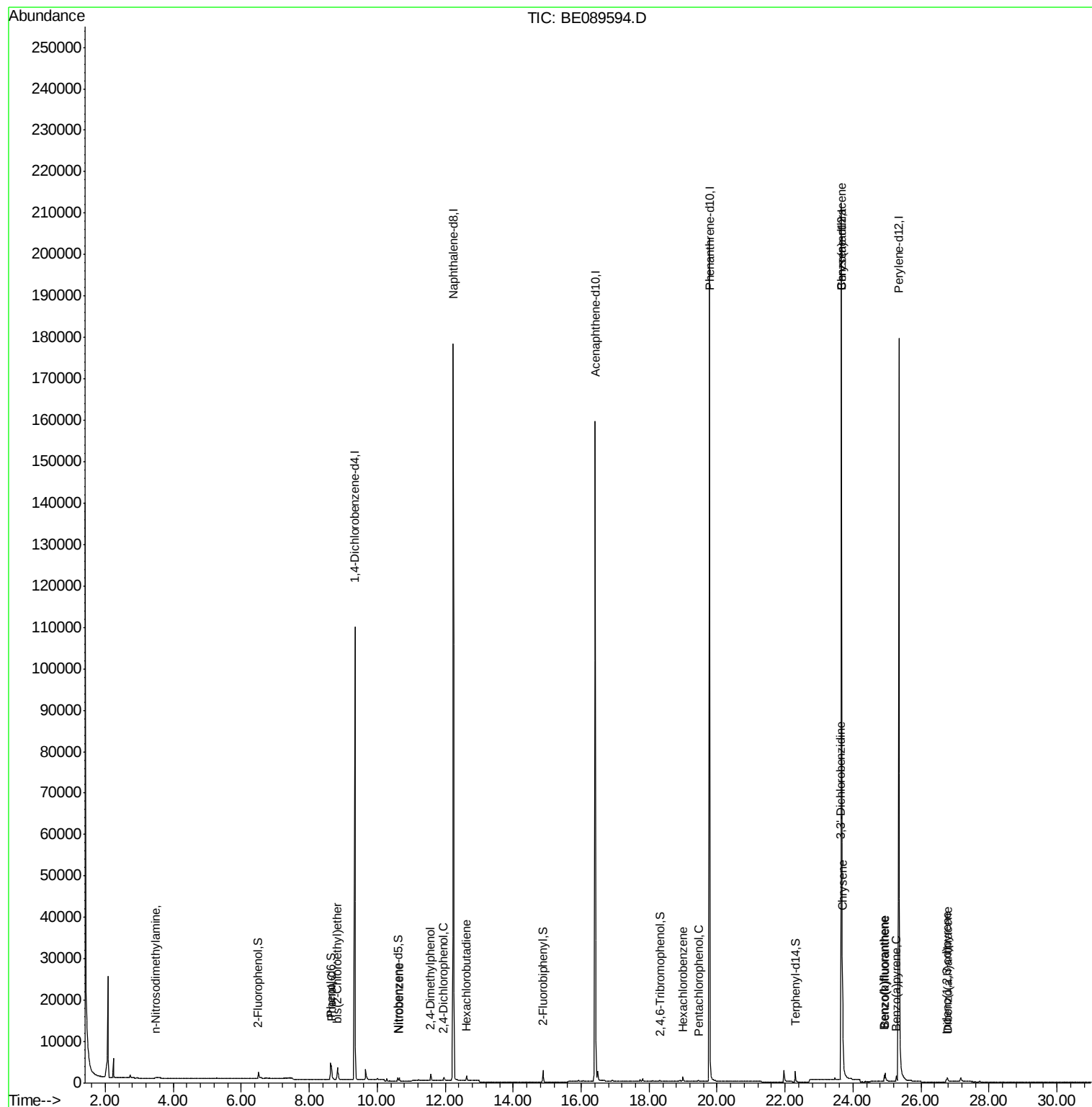
Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.50	42	431m	0.06	ng	
5) Phenol	8.65	94	1939	0.09	ng	# 56
6) bis(2-Chloroethyl)ether	8.83	93	1605	0.10	ng	# 98
9) Nitrobenzene	10.65	77	910	0.09	ng	96
10) 2,4-Dimethylphenol	11.58	122	1028	0.08	ng	93
11) 2,4-Dichlorophenol	11.97	162	753	0.08	ng	92
12) Hexachlorobutadiene	12.63	225	704	0.11	ng	99
18) Hexachlorobenzene	19.00	284	884	0.10	ng	93
19) Pentachlorophenol	19.44	266	184	0.13	ng	# 84
23) Benzo(a)anthracene	23.64	228	15739	0.08	ng	97
24) 3,3'-Dichlorobenzidine	23.63	252	577	0.05	ng	# 89
25) Chrysene	23.69	228	20801	0.11	ng	99
26) Indeno(1,2,3-cd)pyrene	26.74	276	1763	0.04	ng	# 95
28) Benzo(b)fluoranthene	24.91	252	1542	0.05	ng	# 92
29) Benzo(k)fluoranthene	24.94	252	3274	0.07	ng	# 92
30) Benzo(a)pyrene	25.27	252	1627	0.05	ng	# 91
31) Dibenzo(a,h)anthracene	26.78	278	1247	0.04	ng	# 82

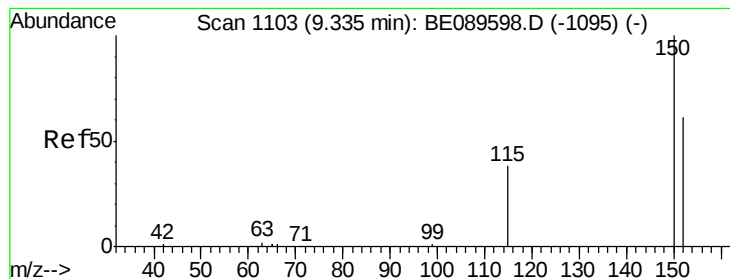
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

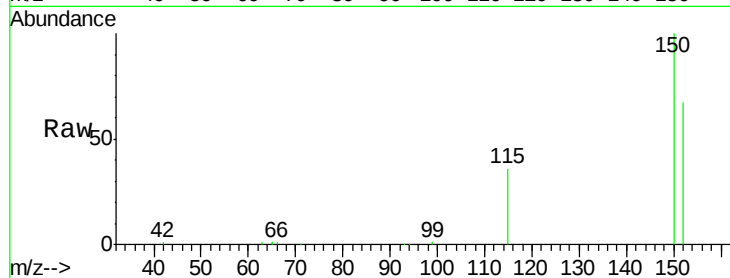
Tgt Ion:152 Resp: 53704

Ion Ratio Lower Upper

152 100

150 149.3 130.7 196.1

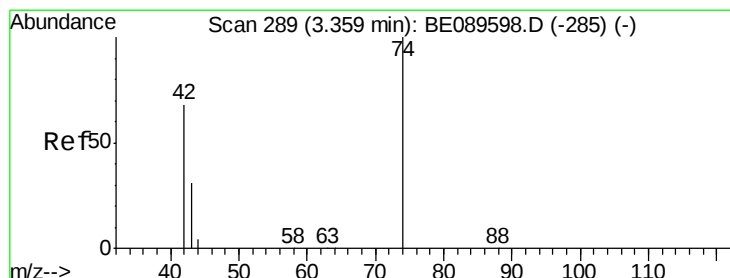
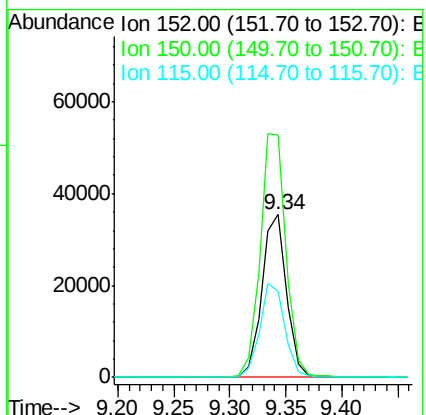
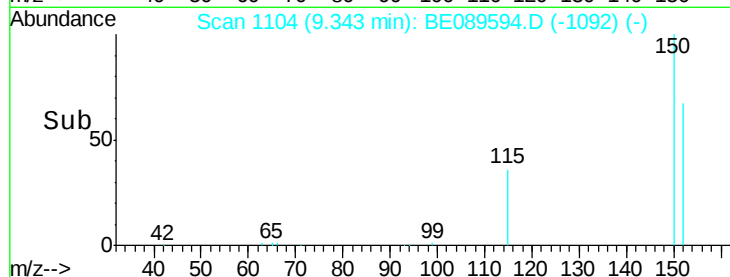
115 53.4 49.6 74.4



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: 0.06 ng

RT: 3.50 min Scan# 309

Delta R.T. 0.14 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

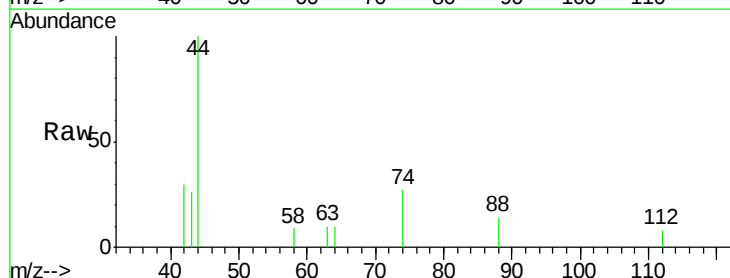
Tgt Ion: 42 Resp: 431

Ion Ratio Lower Upper

42 100

74 90.3 114.6 171.8#

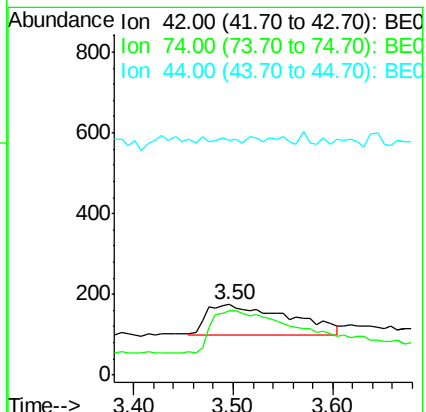
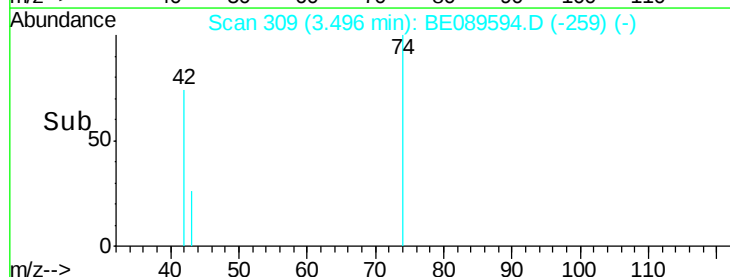
44 331.4 27.5 41.3#

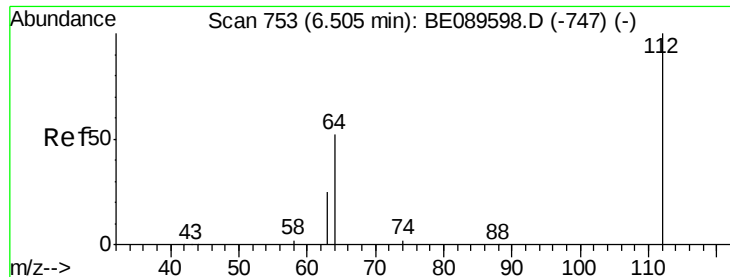


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

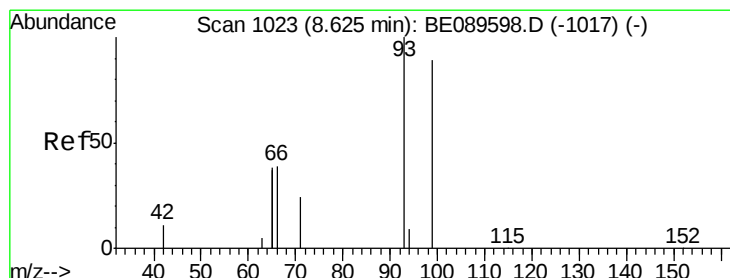
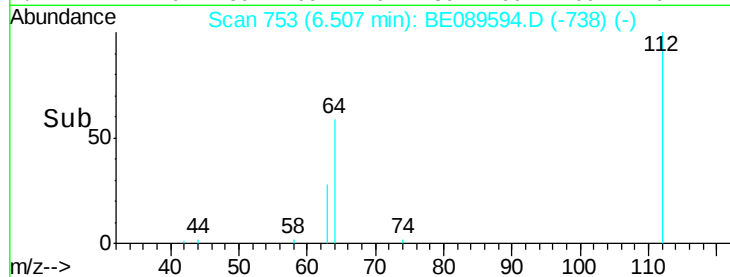
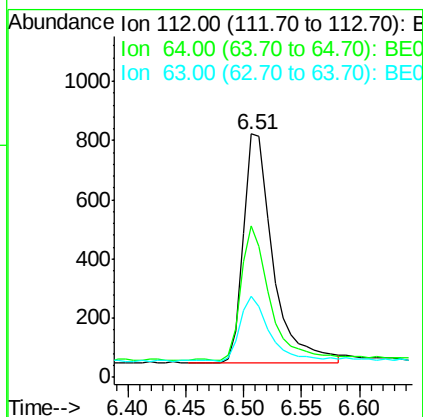
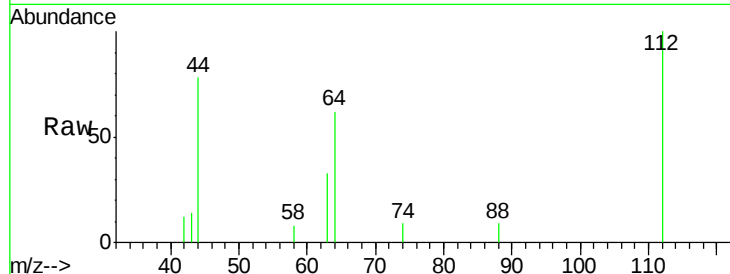




#3
 2-Fluorophenol
 Concen: 0.09 ng
 RT: 6.51 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: BE089594.D
 Acq: 17 Feb 2015 14:28

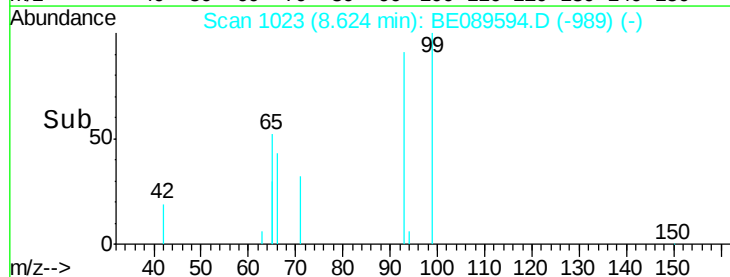
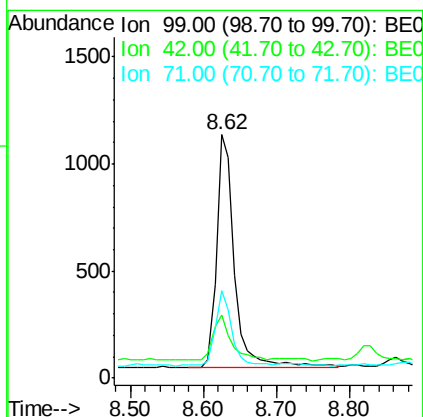
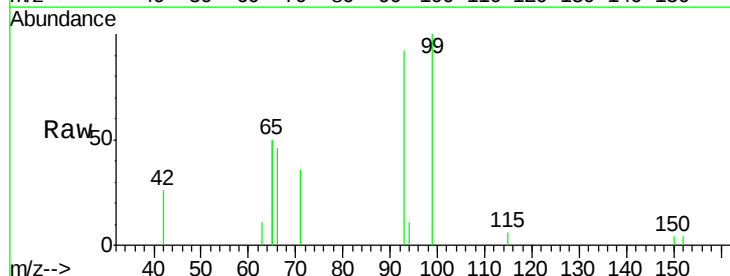
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

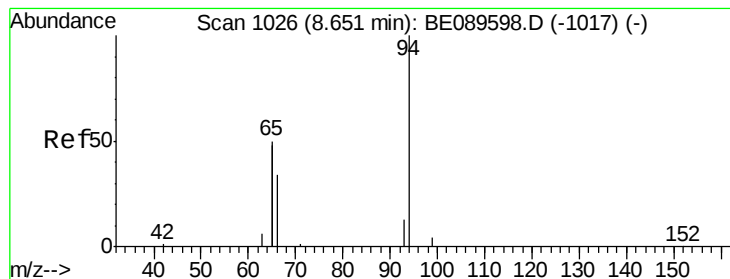
Tgt Ion: 112 Resp: 1377
 Ion Ratio Lower Upper
 112 100
 64 62.3 41.7 62.5
 63 33.2 20.3 30.5#



#4
 Phenol-d6
 Concen: 0.09 ng
 RT: 8.62 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BE089594.D
 Acq: 17 Feb 2015 14:28

Tgt Ion: 99 Resp: 1820
 Ion Ratio Lower Upper
 99 100
 42 25.9 10.8 16.2#
 71 36.1 21.8 32.6#





#5

Phenol

Concen: 0.09 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

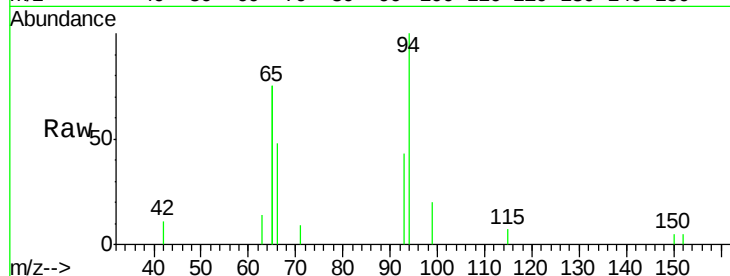
Tgt Ion: 94 Resp: 1939

Ion Ratio Lower Upper

94 100

65 149.1 78.6 118.6#

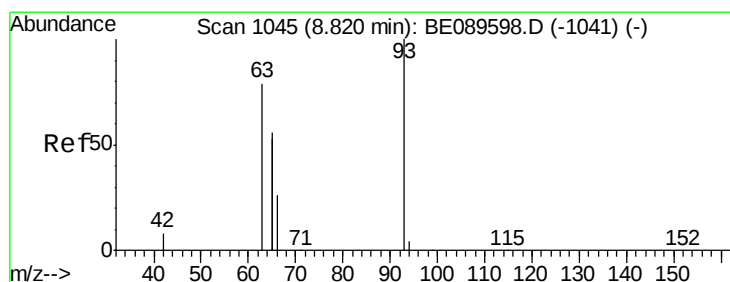
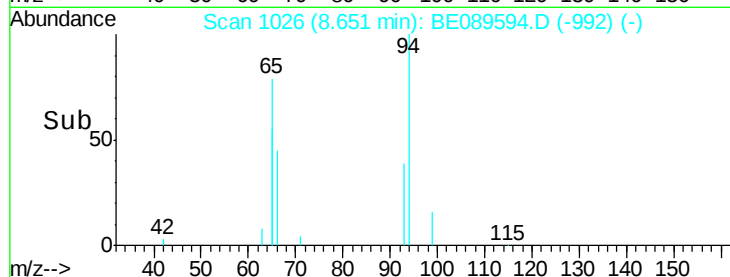
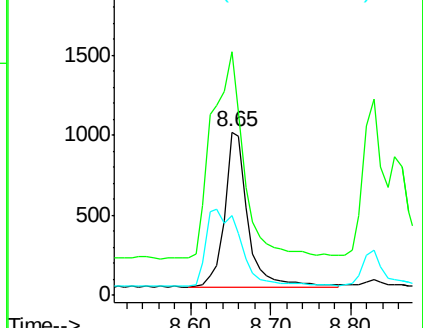
66 48.5 14.0 54.0



Abundance Ion 94.00 (93.70 to 94.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Ion 66.00 (65.70 to 66.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.10 ng

RT: 8.83 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

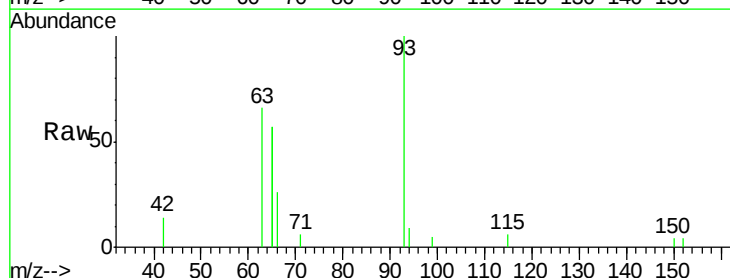
Tgt Ion: 93 Resp: 1605

Ion Ratio Lower Upper

93 100

63 94.8 74.6 112.0

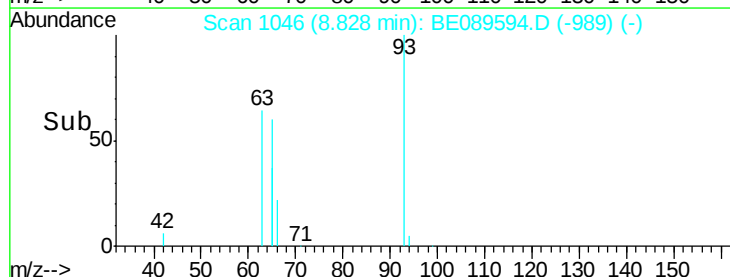
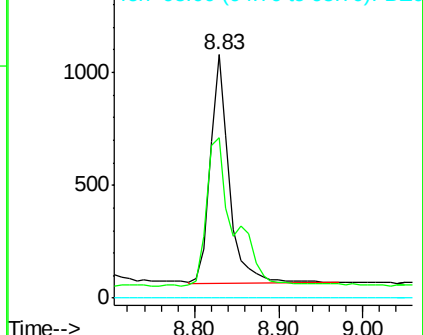
95 0.0 0.0 0.0

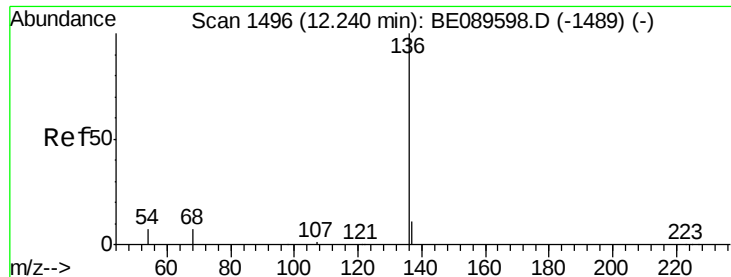


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

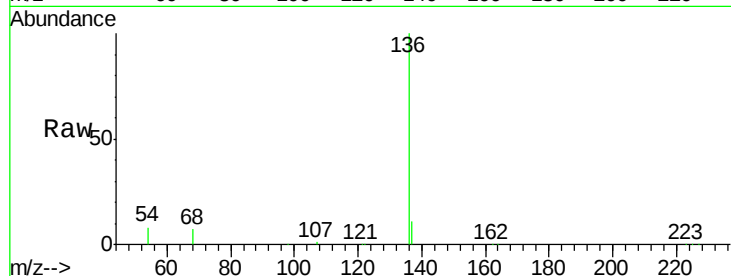
Tgt Ion: 136 Resp: 215126

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.6 5.7 8.5



Abundance Ion 136.00 (135.70 to 136.70): BE089598.D (-1489) (-)

Ion 137.00 (136.70 to 137.70): BE089598.D (-1489) (-)

Ion 54.00 (53.70 to 54.70): BE089598.D (-1489) (-)

12.24

150000

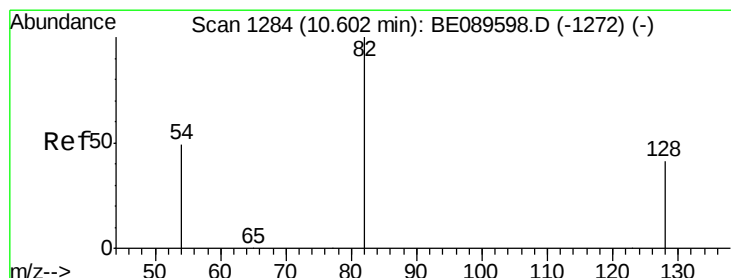
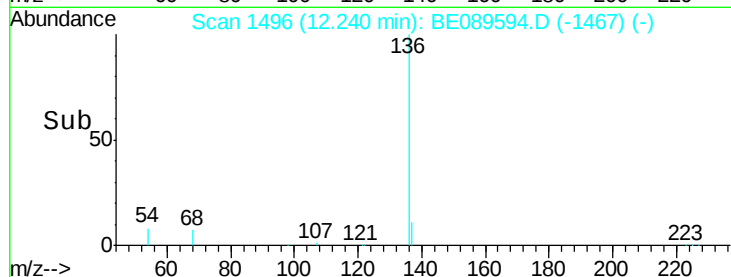
100000

50000

0

12.20 12.40 12.60

Time-->



#8

Nitrobenzene-d5

Concen: 0.09 ng

RT: 10.61 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

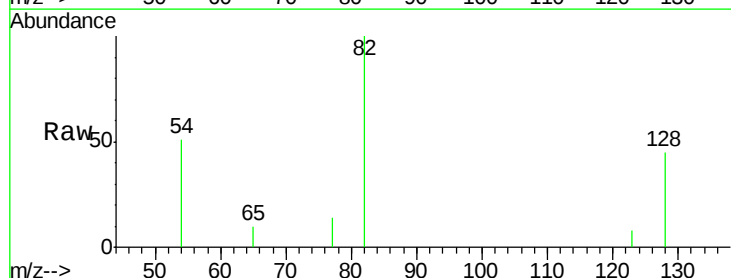
Tgt Ion: 82 Resp: 836

Ion Ratio Lower Upper

82 100

128 44.7 33.2 49.8

54 51.4 39.6 59.4



Abundance Ion 82.00 (81.70 to 82.70): BE089598.D (-1272) (-)

Ion 128.00 (127.70 to 128.70): BE089598.D (-1272) (-)

Ion 54.00 (53.70 to 54.70): BE089598.D (-1272) (-)

10.61

800

600

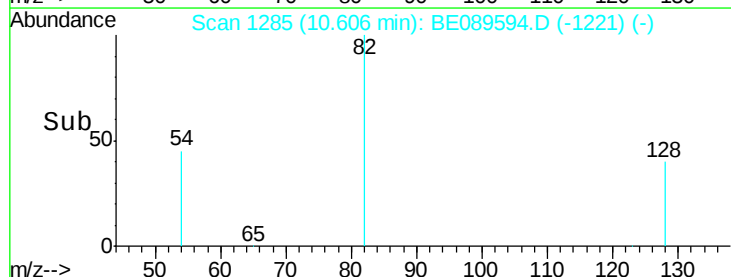
400

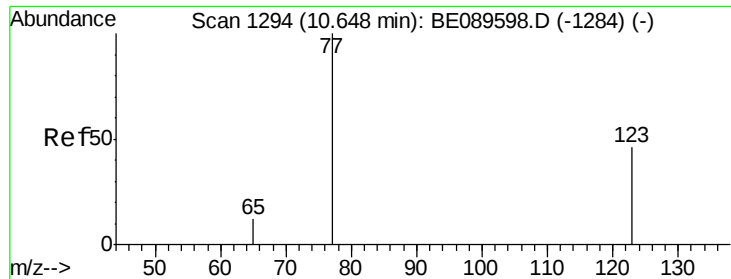
200

0

10.55 10.60 10.65 10.70

Time-->





#9

Nitrobenzene

Concen: 0.09 ng

RT: 10.65 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

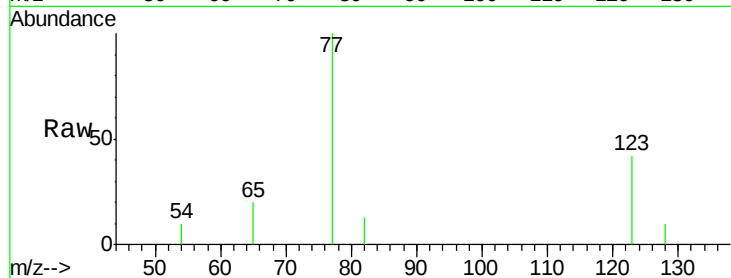
BNA_E

LabSampleId :

SSTDIC0.1

Tgt Ion: 77 Resp: 910

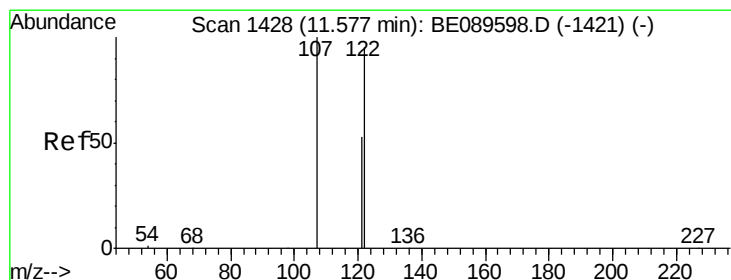
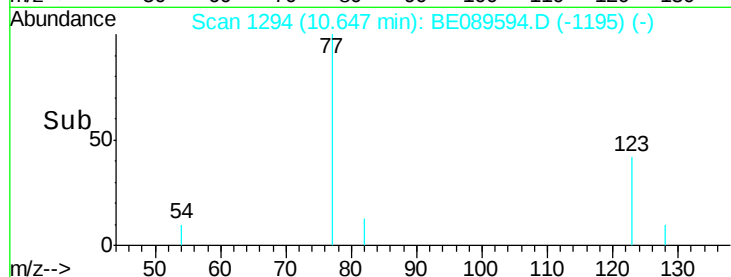
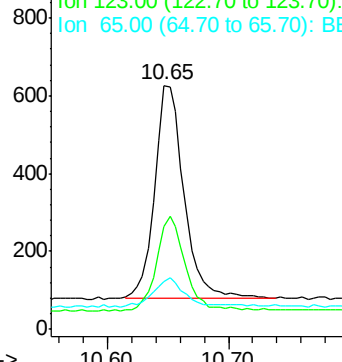
Ion	Ratio	Lower	Upper
77	100		
123	42.6	36.5	54.7
65	11.6	10.2	15.4



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: 0.08 ng

RT: 11.58 min Scan# 1428

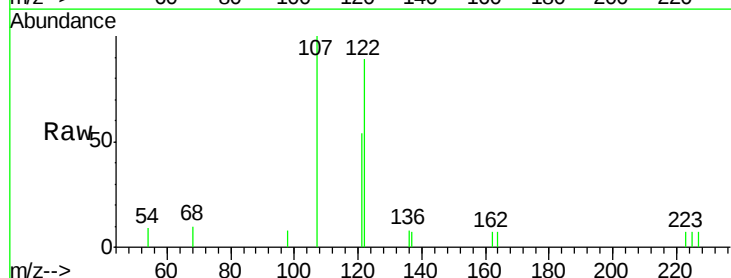
Delta R.T. -0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

Tgt Ion: 122 Resp: 1028

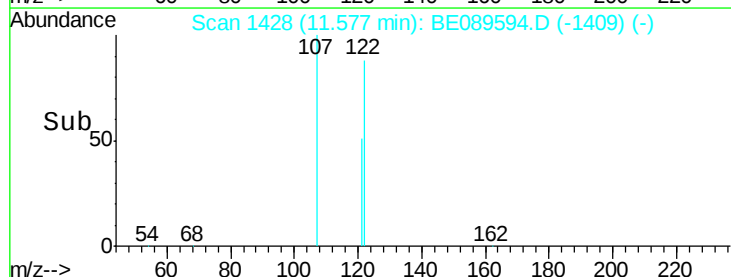
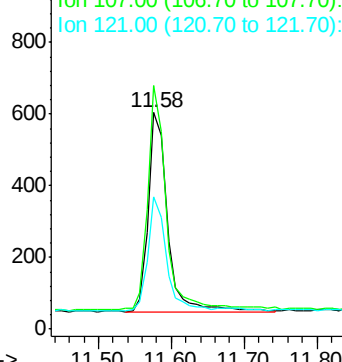
Ion	Ratio	Lower	Upper
122	100		
107	112.4	83.9	125.9
121	61.1	44.9	67.3

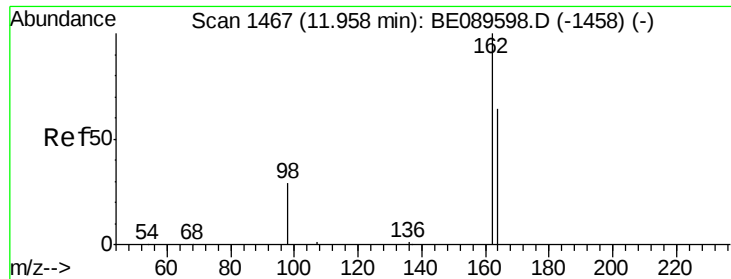


Abundance Ion 122.00 (121.70 to 122.70): BE0

Ion 107.00 (106.70 to 107.70): BE0

Ion 121.00 (120.70 to 121.70): BE0

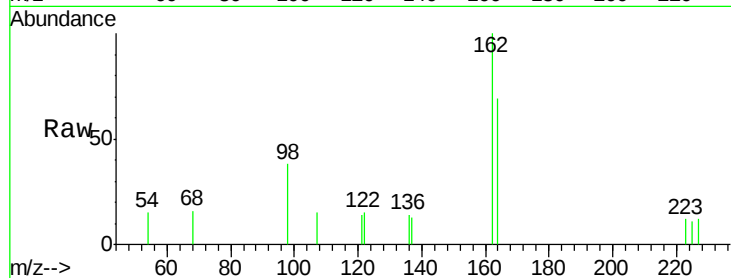




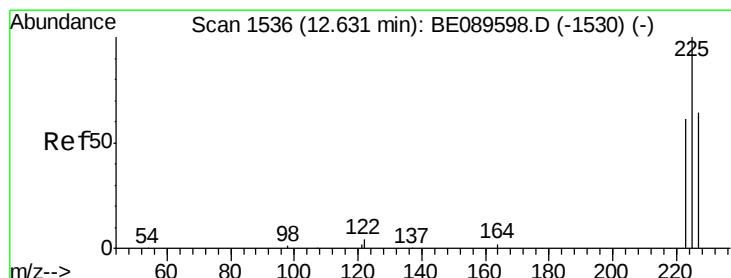
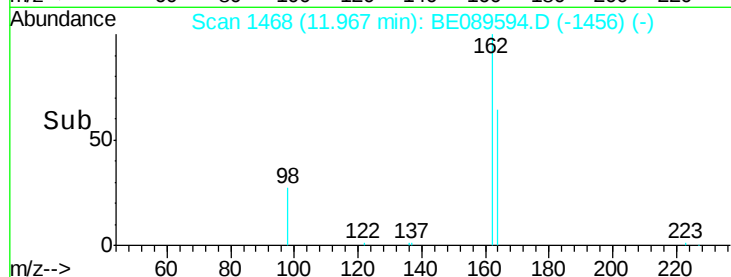
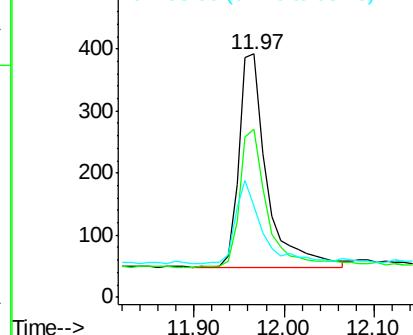
#11
 2,4-Dichlorophenol
 Concen: 0.08 ng
 RT: 11.97 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BE089594.D
 Acq: 17 Feb 2015 14:28

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tgt Ion:162 Resp: 753
 Ion Ratio Lower Upper
 162 100
 164 69.1 44.7 84.7
 98 37.5 10.3 50.3

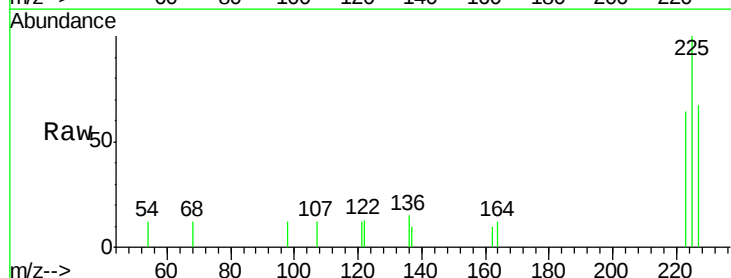


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

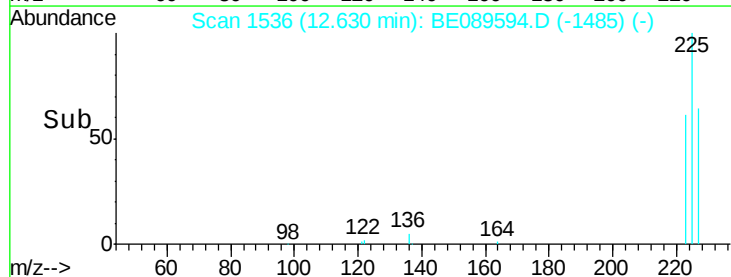
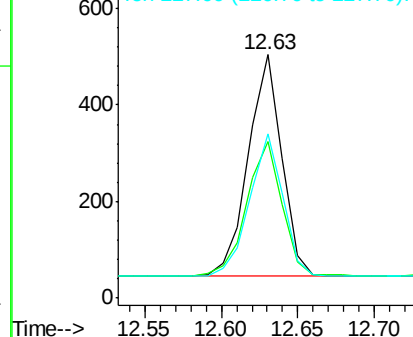


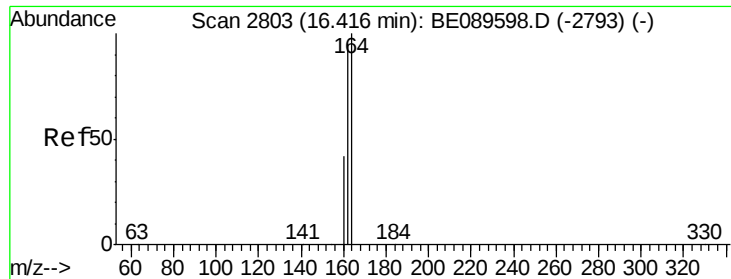
#12
 Hexachlorobutadiene
 Concen: 0.11 ng
 RT: 12.63 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BE089594.D
 Acq: 17 Feb 2015 14:28

Tgt Ion:225 Resp: 704
 Ion Ratio Lower Upper
 225 100
 223 64.5 50.3 75.5
 227 63.1 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: 16.41 min Scan# 2803

Delta R.T. -0.01 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

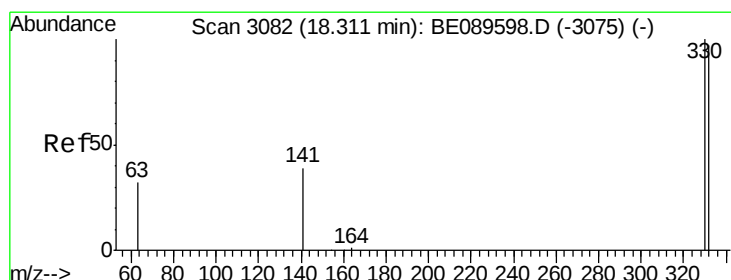
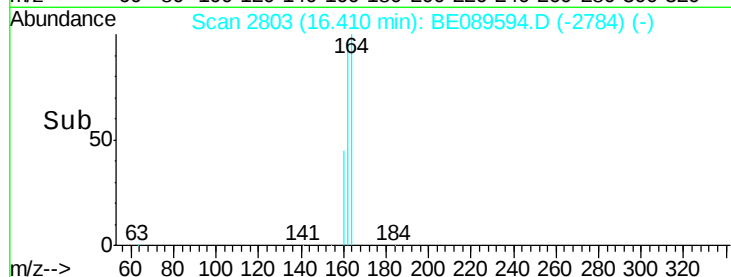
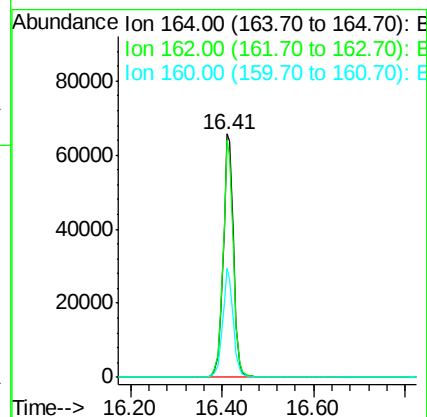
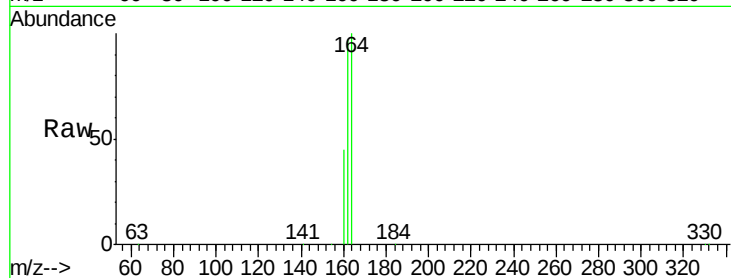
Tgt Ion:164 Resp: 103684

Ion Ratio Lower Upper

164 100

162 97.2 76.3 114.5

160 45.0 33.9 50.9



#14

2,4,6-Tribromophenol

Concen: 0.07 ng

RT: 18.31 min Scan# 3083

Delta R.T. 0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

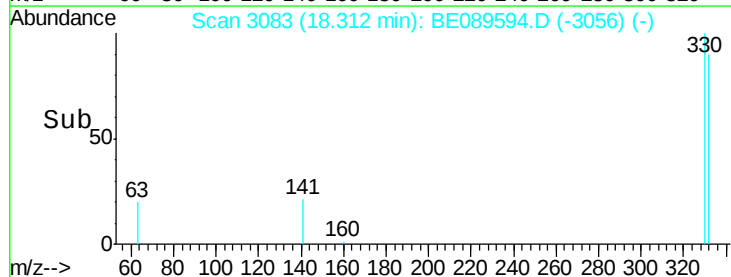
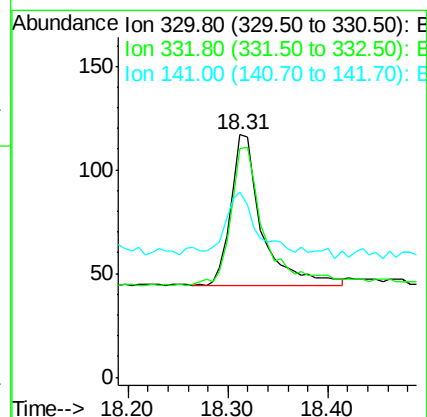
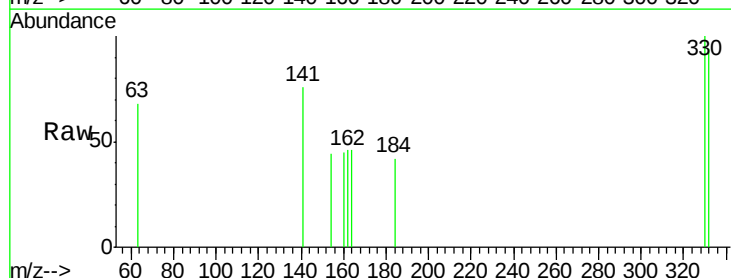
Tgt Ion:330 Resp: 159

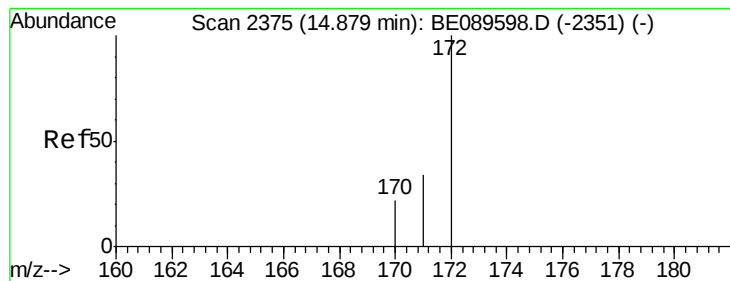
Ion Ratio Lower Upper

330 100

332 98.7 76.7 115.1

141 35.8 30.1 45.1





#15

2-Fluorobiphenyl

Concen: 0.10 ng

RT: 14.88 min Scan# 2375

Delta R.T. -0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

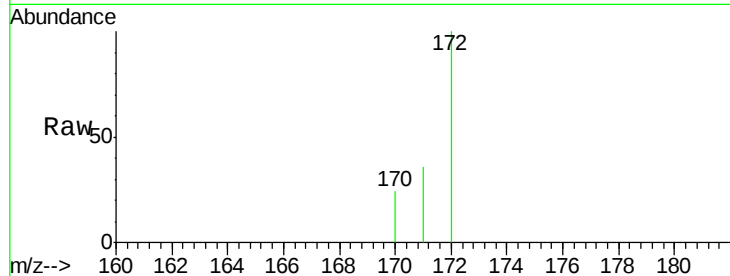
Tgt Ion:172 Resp: 2861

Ion Ratio Lower Upper

172 100

171 35.8 27.4 41.0

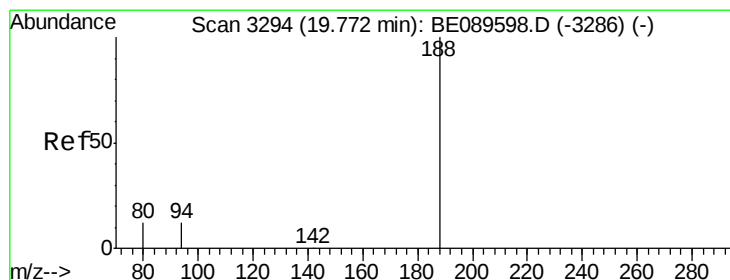
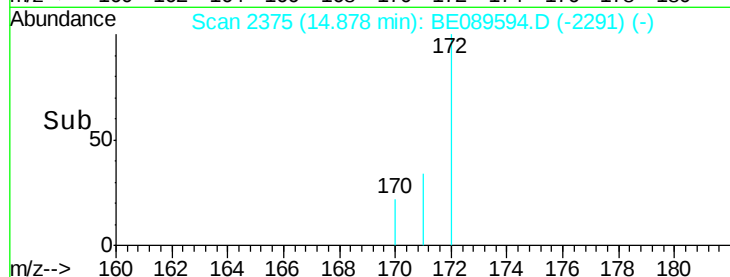
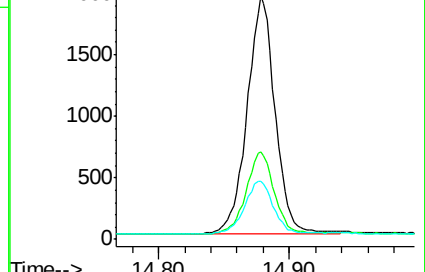
170 23.7 17.9 26.9



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3295

Delta R.T. -0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

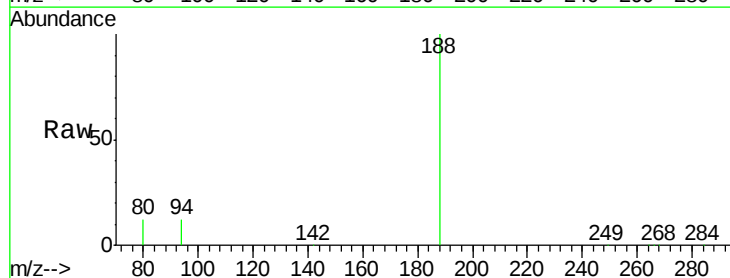
Tgt Ion:188 Resp: 202928

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

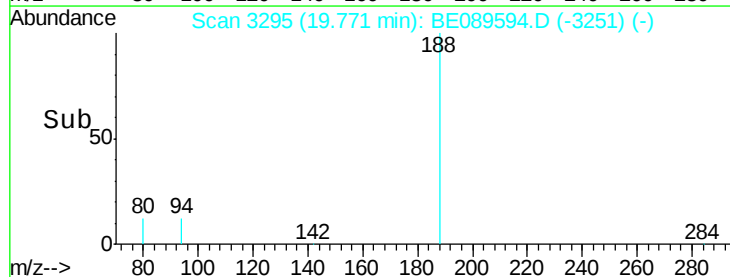
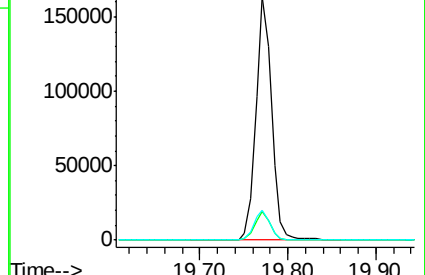
80 12.4 9.8 14.8

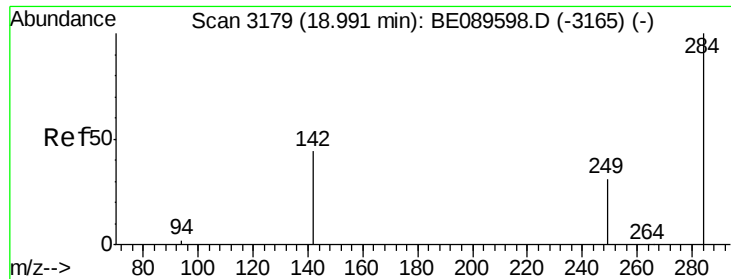


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

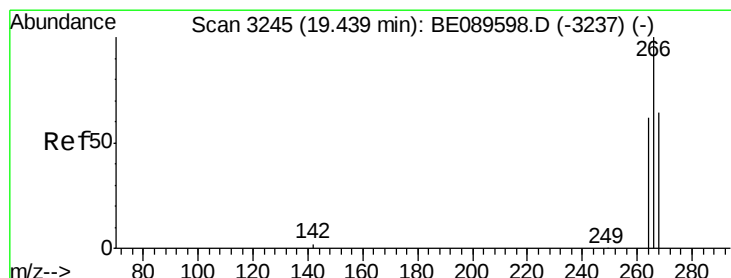
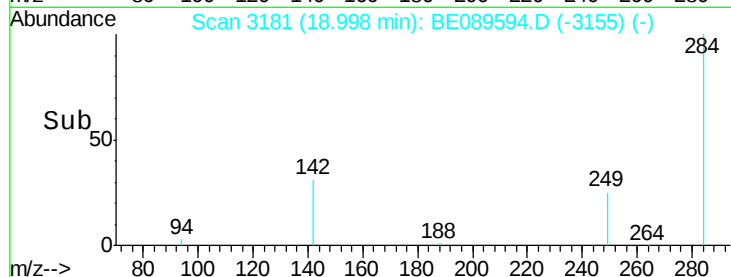
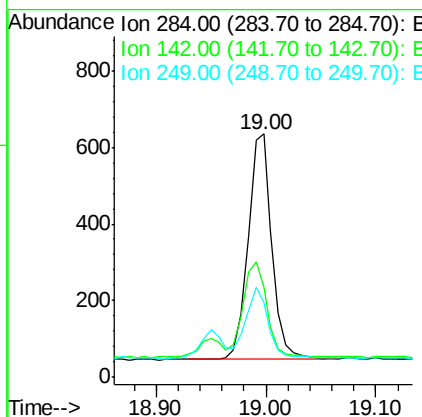
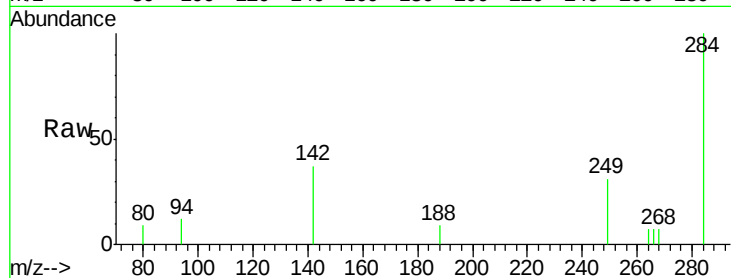




#18
Hexachlorobenzene
Concen: 0.10 ng
RT: 19.00 min Scan# 3181
Delta R.T. 0.01 min
Lab File: BE089594.D
Acq: 17 Feb 2015 14:28

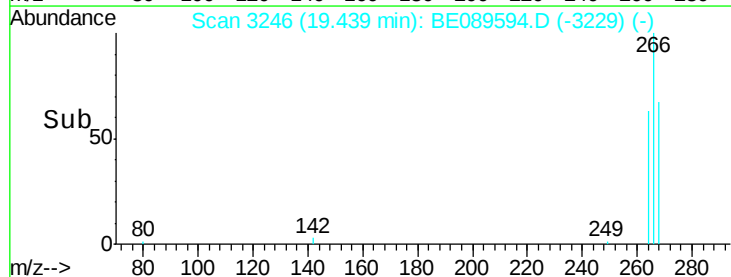
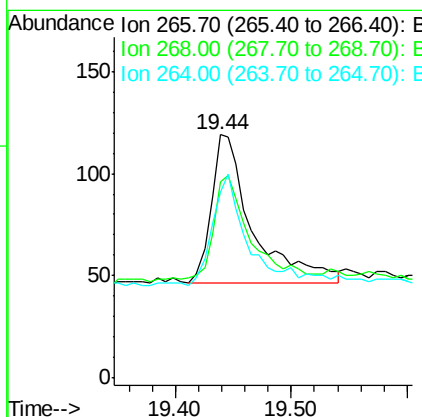
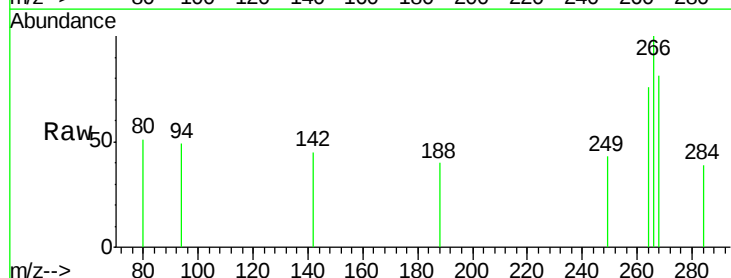
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

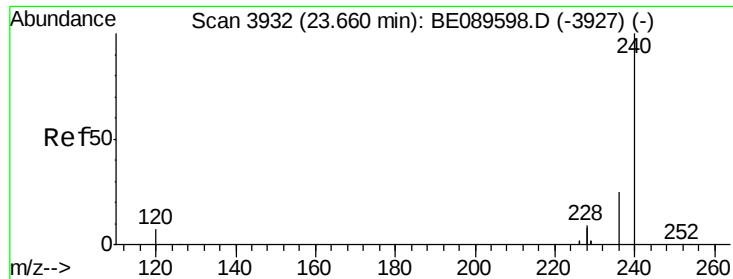
Tgt Ion: 284 Resp: 884
Ion Ratio Lower Upper
284 100
142 37.2 35.6 53.4
249 30.6 25.2 37.8



#19
Pentachlorophenol
Concen: 0.13 ng
RT: 19.44 min Scan# 3246
Delta R.T. -0.00 min
Lab File: BE089594.D
Acq: 17 Feb 2015 14:28

Tgt Ion: 266 Resp: 184
Ion Ratio Lower Upper
266 100
268 80.7 53.0 79.4#
264 76.5 51.9 77.9





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3932

Delta R.T. 0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

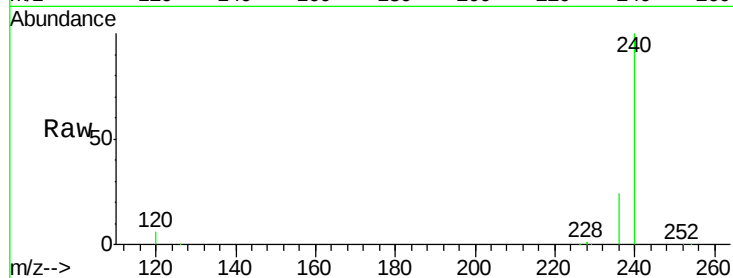
Tgt Ion:240 Resp: 197472

Ion Ratio Lower Upper

240 100

120 5.9 5.4 8.0

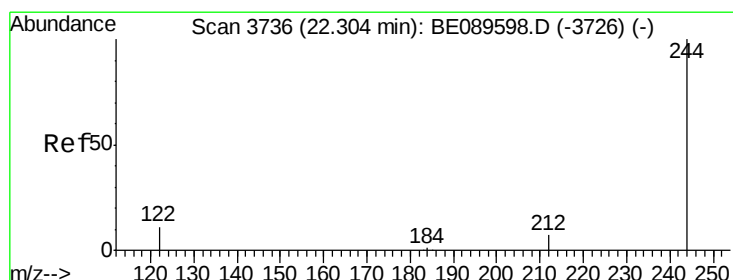
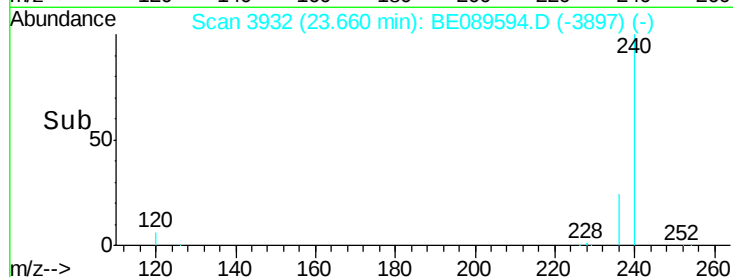
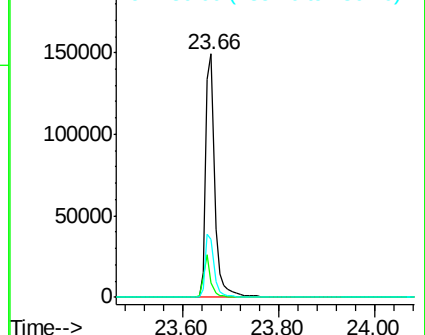
236 24.1 19.8 29.6



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: 0.10 ng

RT: 22.30 min Scan# 3736

Delta R.T. -0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

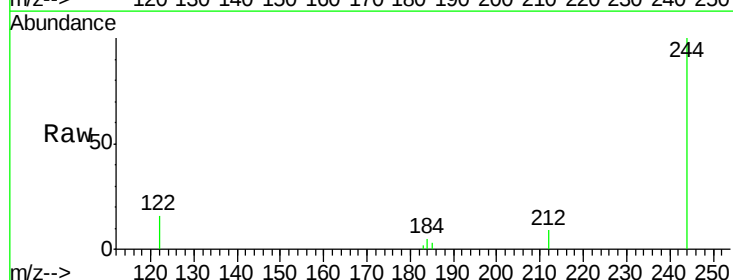
Tgt Ion:244 Resp: 2681

Ion Ratio Lower Upper

244 100

212 9.3 5.7 8.5#

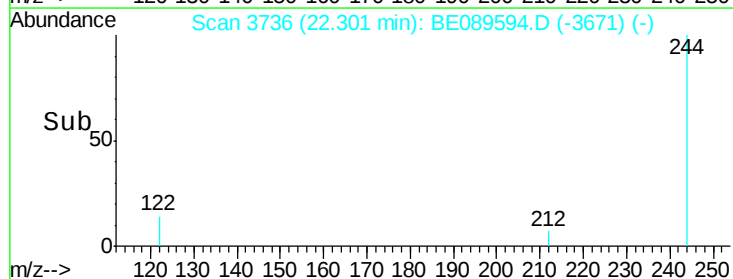
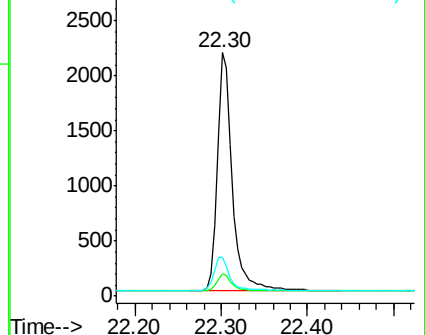
122 16.0 8.6 13.0#

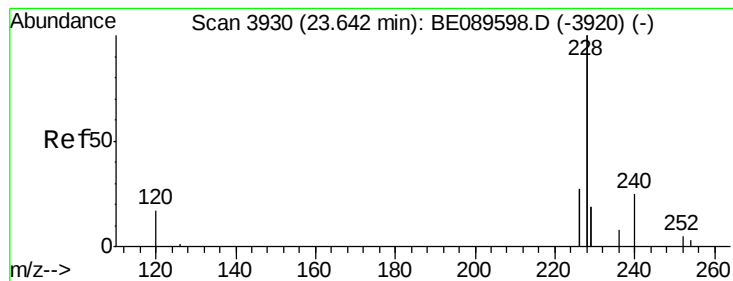


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 0.08 ng

RT: 23.64 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

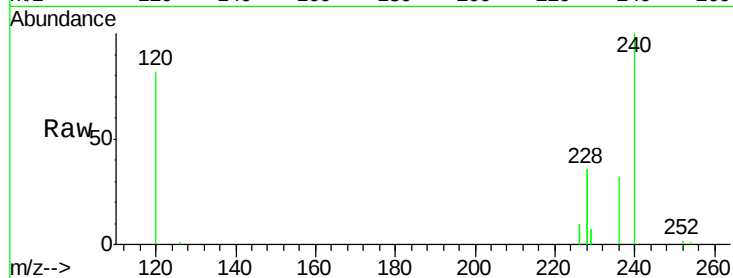
Tgt Ion: 228 Resp: 15739

Ion Ratio Lower Upper

228 100

226 28.3 21.5 32.3

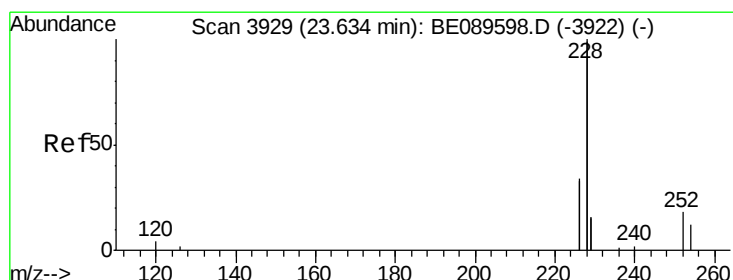
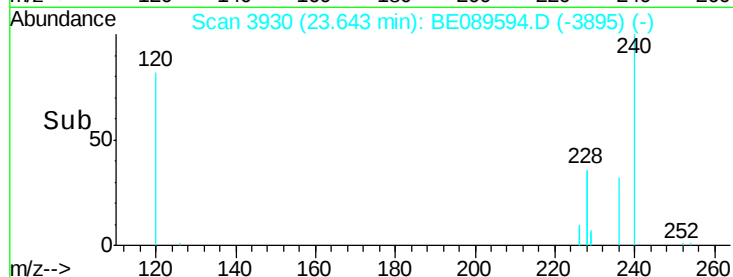
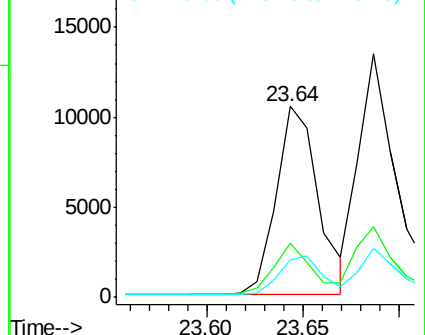
229 19.8 15.0 22.6



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: 0.05 ng

RT: 23.63 min Scan# 3929

Delta R.T. 0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

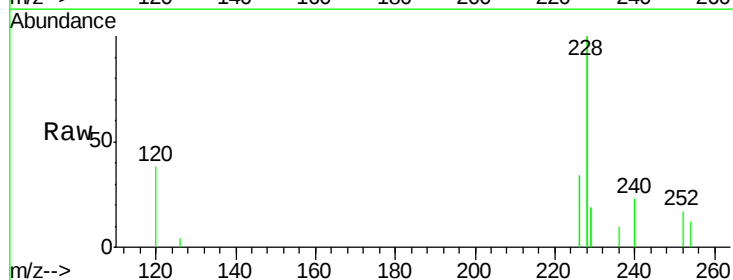
Tgt Ion: 252 Resp: 577

Ion Ratio Lower Upper

252 100

254 69.6 51.7 77.5

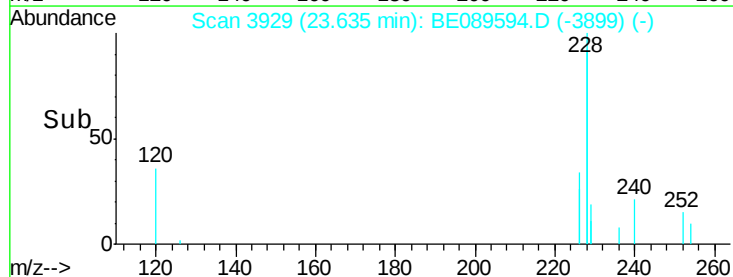
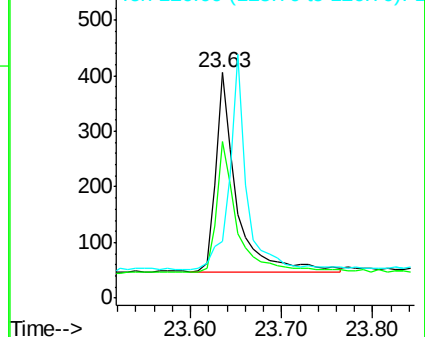
126 24.9 9.9 14.9#

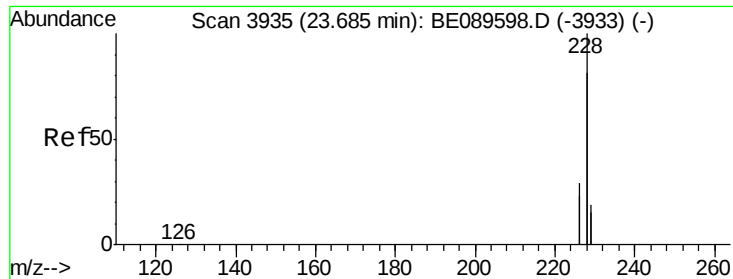


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.11 ng

RT: 23.69 min Scan# 3935

Delta R.T. 0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

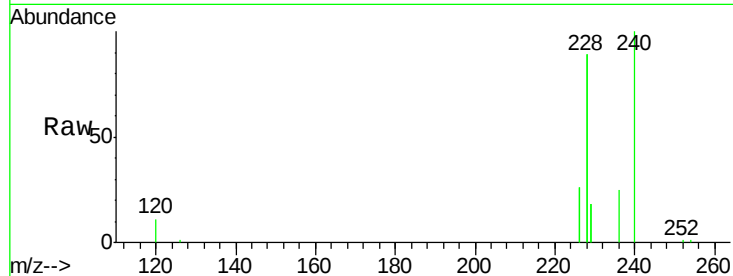
Tgt Ion:228 Resp: 20801

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.2

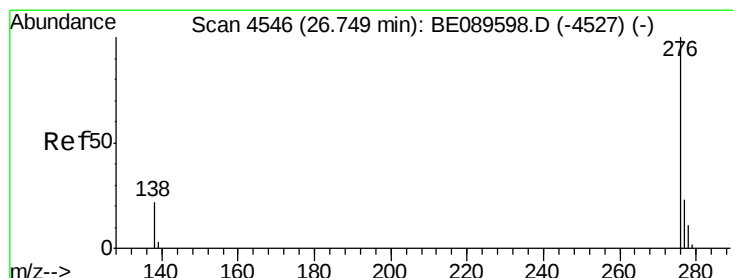
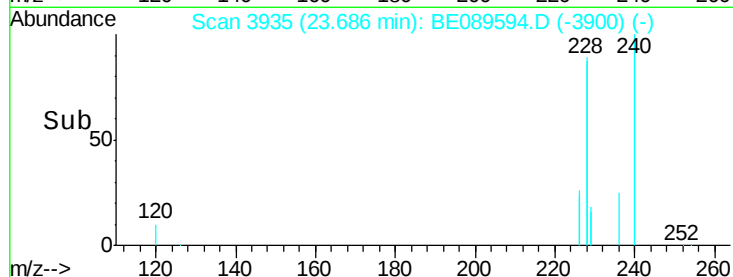
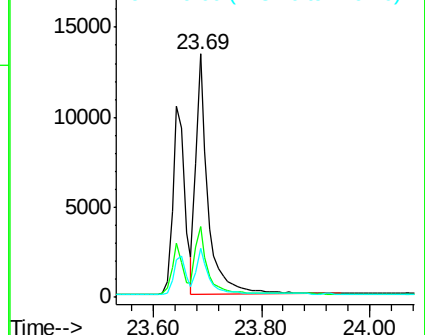
229 20.4 15.3 22.9



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: 0.04 ng

RT: 26.74 min Scan# 4545

Delta R.T. -0.01 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

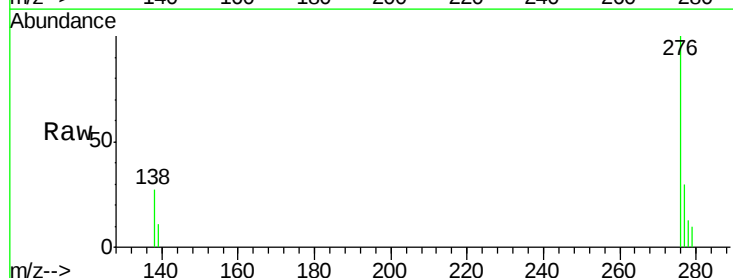
Tgt Ion:276 Resp: 1763

Ion Ratio Lower Upper

276 100

138 21.9 0.0 0.0#

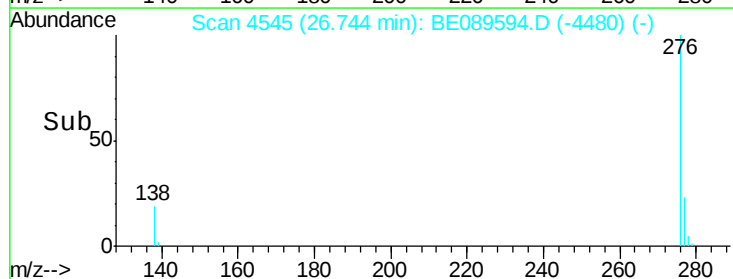
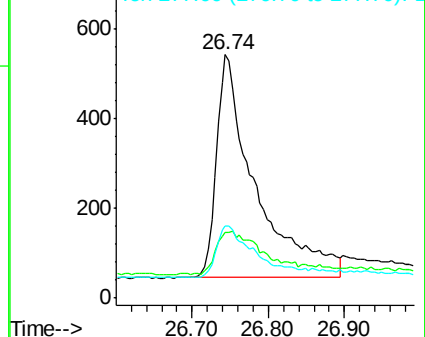
277 22.6 19.9 29.9

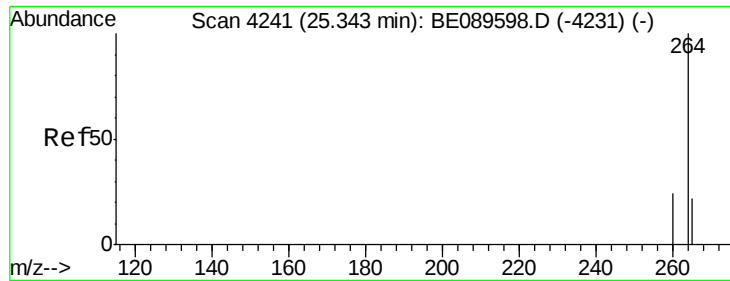


Abundance Ion 276.00 (275.70 to 276.70): E

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: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

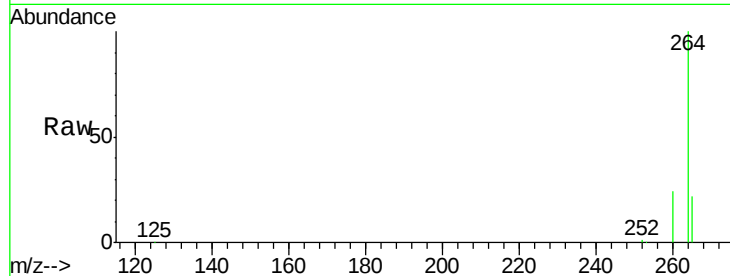
Tgt Ion:264 Resp: 173397

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

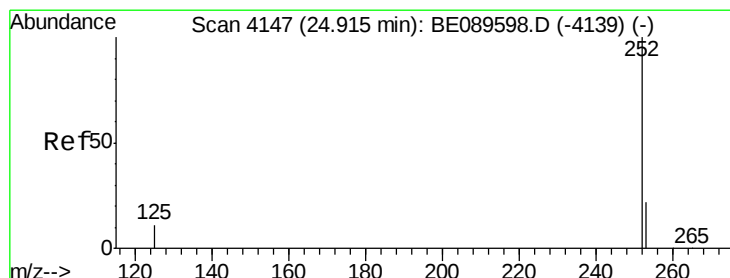
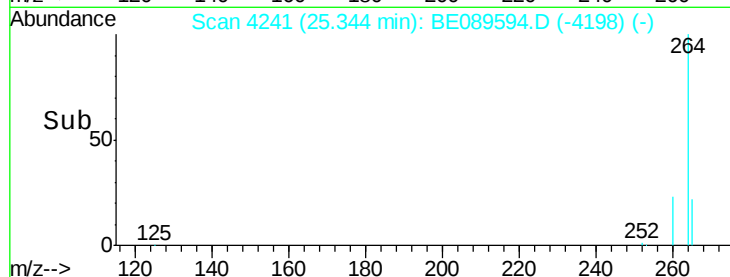
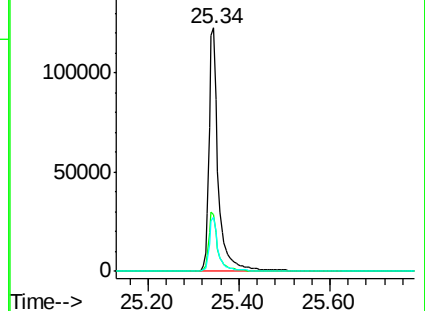
265 22.1 17.8 26.8



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: 0.05 ng

RT: 24.91 min Scan# 4146

Delta R.T. -0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

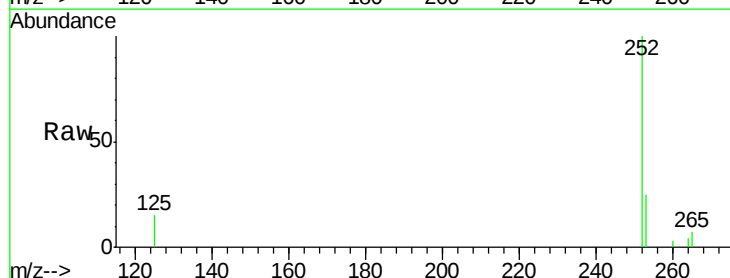
Tgt Ion:252 Resp: 1542

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.8

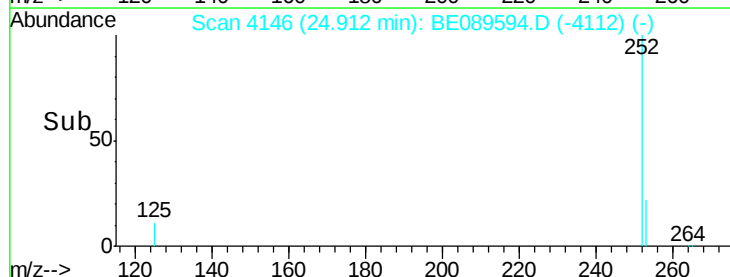
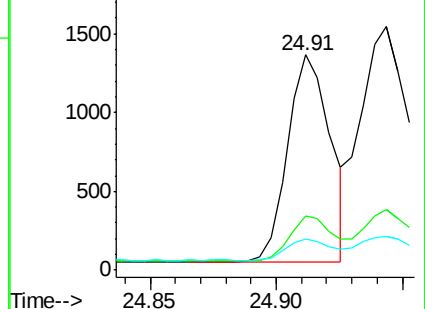
125 14.7 8.9 13.3#

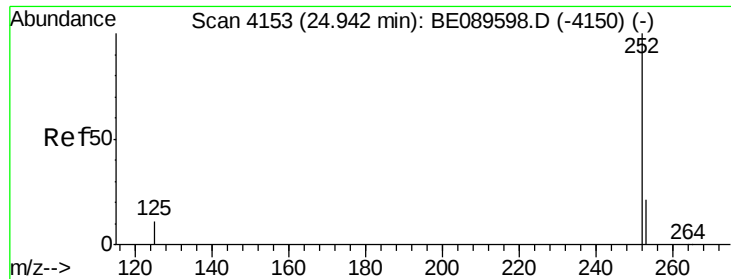


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Benzo(k)fluoranthene

Concen: 0.07 ng

RT: 24.94 min Scan# 4153

Delta R.T. 0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

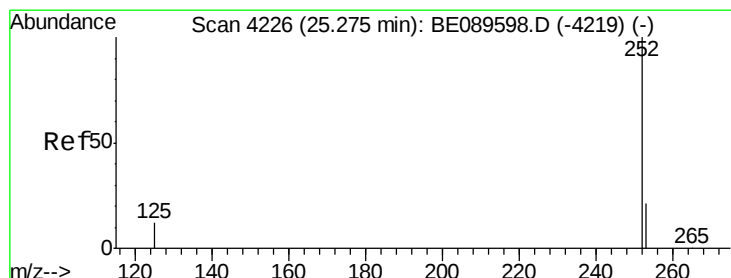
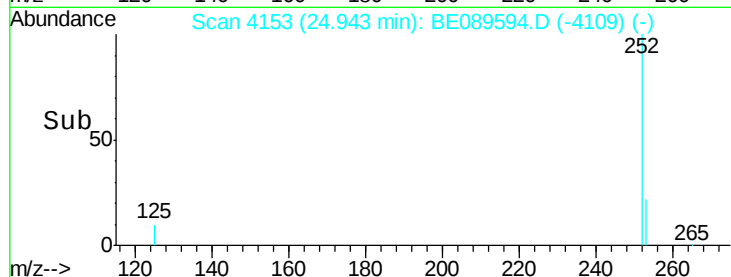
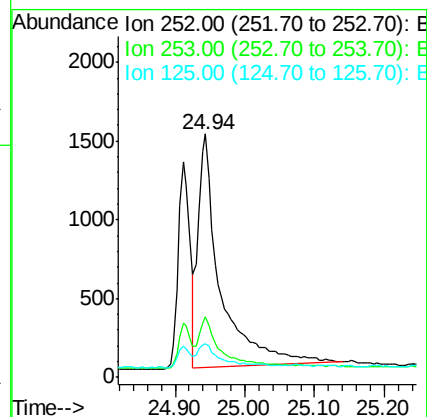
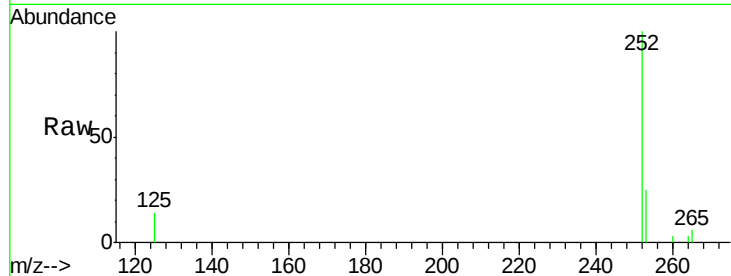
Tgt Ion:252 Resp: 3274

Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

125 14.1 8.9 13.3#



#30

Benzo(a)pyrene

Concen: 0.05 ng

RT: 25.27 min Scan# 4225

Delta R.T. -0.00 min

Lab File: BE089594.D

Acq: 17 Feb 2015 14:28

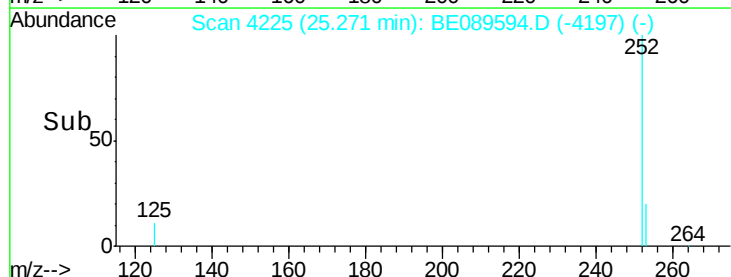
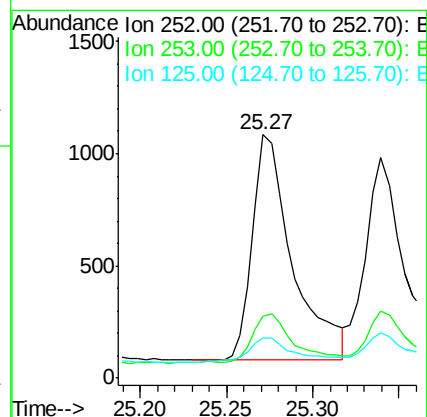
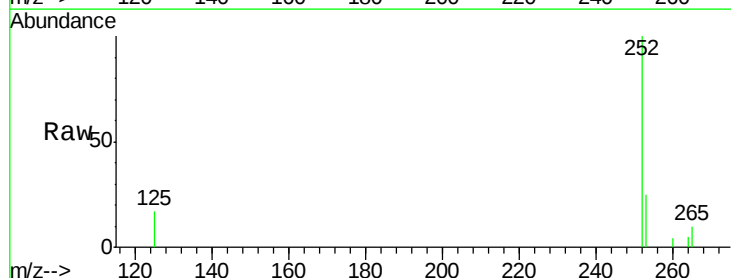
Tgt Ion:252 Resp: 1627

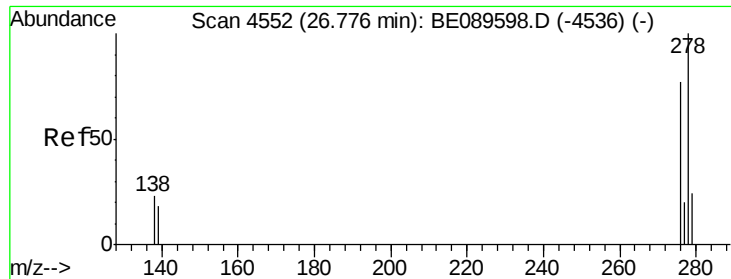
Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

125 16.6 9.8 14.8#





#31

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 26.78 min Scan# 4552

Delta R.T. -0.00 min

Lab File: BE089594.D

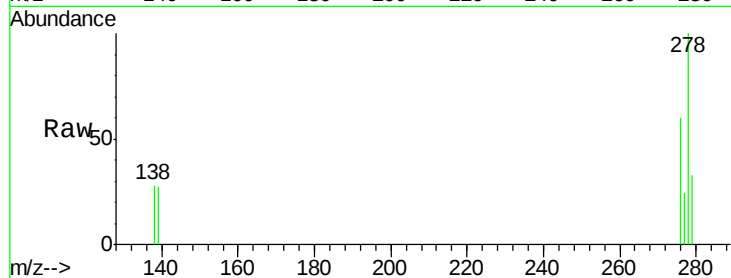
Acq: 17 Feb 2015 14:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1



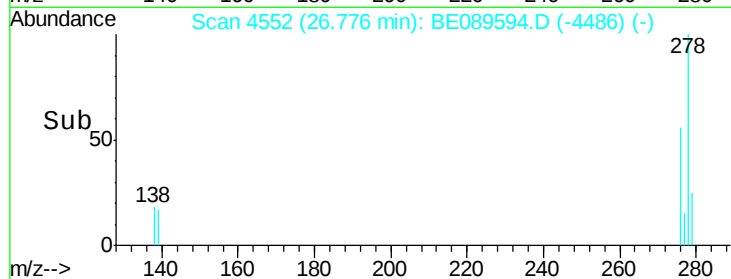
Tgt Ion: 278 Resp: 1247

Ion Ratio Lower Upper

278 100

139 26.5 14.6 21.8#

279 33.1 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

