

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012815\
 Data File : BE089397.D
 Acq On : 28 Jan 2015 20:31
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

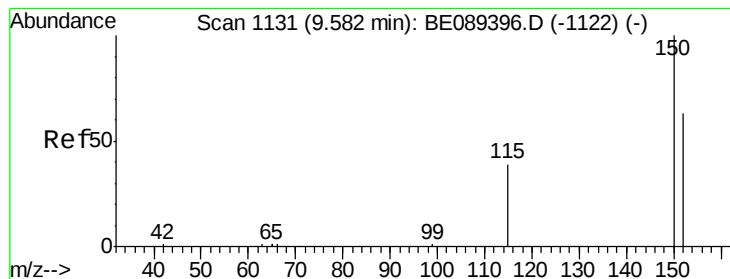
Quant Time: Jan 29 01:21:44 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 01:08:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	99029	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	340375	5.00	ng	0.00
13) Acenaphthene-d10	12.21	164	20891	5.00	ng	0.00
17) Phenanthrene-d10	19.98	188	237950	5.00	ng	0.00
20) Chrysene-d12	23.84	240	344871	5.00	ng	0.00
27) Perylene-d12	25.55	264	390331	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.73	112	63711	1.91	ng	0.00
4) Phenol-d6	8.84	99	77911	1.89	ng	0.00
8) Nitrobenzene-d5	10.84	82	50164	1.90	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	6248	4.25	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	82146	4.08	ng	0.00
22) Terphenyl-d14	22.48	244	80466	2.56	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.56	42	35757	2.17	ng	# 73
5) Phenol	8.86	94	83147	2.00	ng	97
6) bis(2-Chloroethyl)ether	9.06	93	61738	1.99	ng	# 99
9) Nitrobenzene	10.88	77	57313	1.94	ng	99
10) 2,4-Dimethylphenol	11.82	122	43335	1.77	ng	98
11) 2,4-Dichlorophenol	12.21	162	33068	1.93	ng	99
12) Hexachlorobutadiene	12.89	225	23359	2.06	ng	99
16) 2,4-Dinitrophenol	16.89	184	2004	4.79	ng	95
18) Hexachlorobenzene	19.23	284	22740	1.92	ng	99
19) Pentachlorophenol	19.65	266	4959	2.43	ng	97
21) Benzidine	22.14	184	58444	2.16	ng	99
23) Benzo(a)anthracene	23.83	228	678023	2.82	ng	98
24) 3,3'-Dichlorobenzidine	23.81	252	58401	2.72	ng	100
25) Chrysene	23.87	228	816423	2.08	ng	99
26) Indeno(1,2,3-cd)pyrene	27.07	276	205556	1.49	ng	# 100
28) Benzo(b)fluoranthene	25.13	252	406747	15.38	ng	100
29) Benzo(k)fluoranthene	25.13	252	409279	6.82	ng	99
30) Benzo(a)pyrene	25.48	252	143674	4.08	ng	99
31) Dibenzo(a,h)anthracene	27.08	278	150646	5.32	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDICC002

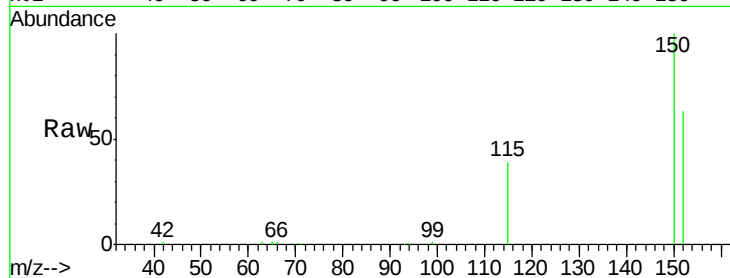
Tgt Ion:152 Resp: 99029

Ion Ratio Lower Upper

152 100

150 158.7 127.2 190.8

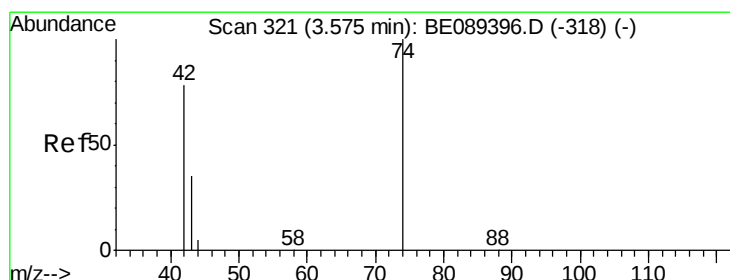
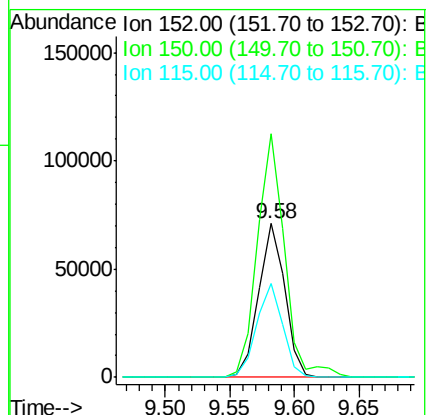
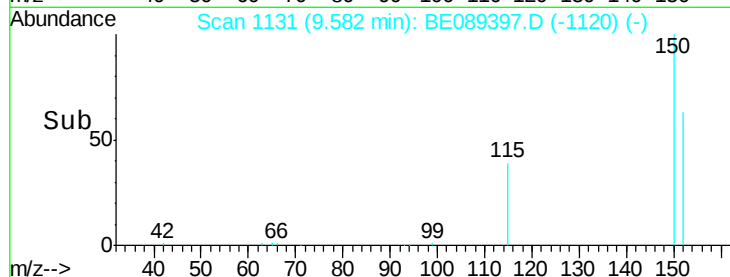
115 61.4 49.3 73.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 2.17 ng

RT: 3.56 min Scan# 319

Delta R.T. -0.01 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

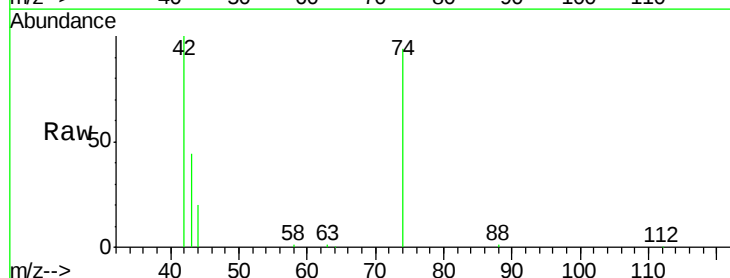
Tgt Ion: 42 Resp: 35757

Ion Ratio Lower Upper

42 100

74 93.9 101.2 151.8#

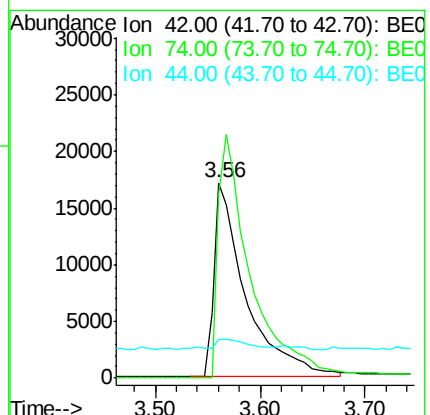
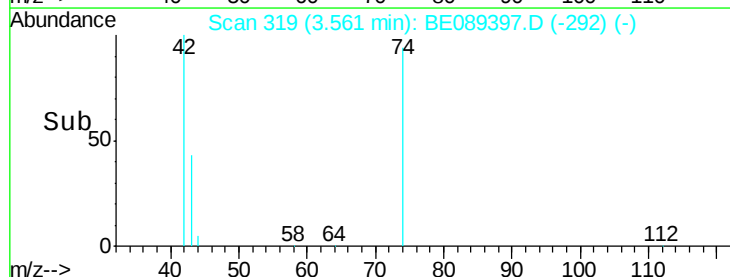
44 20.0 26.4 39.6#

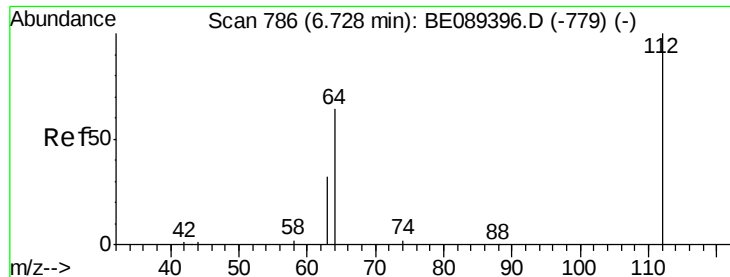


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

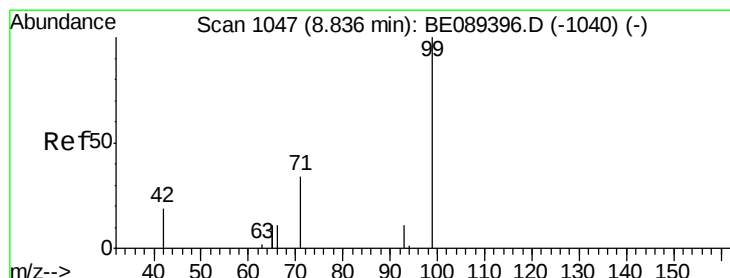
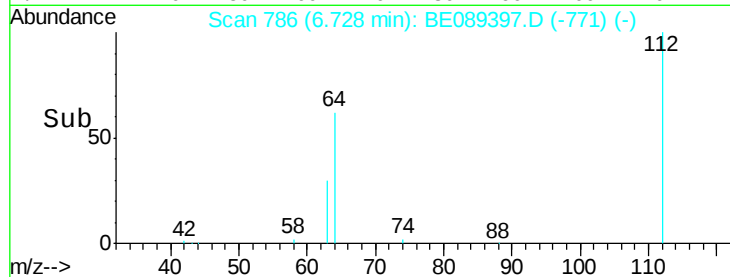
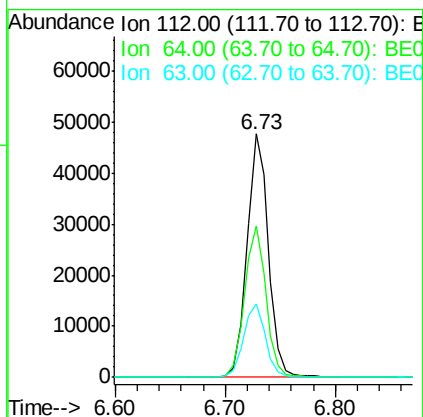
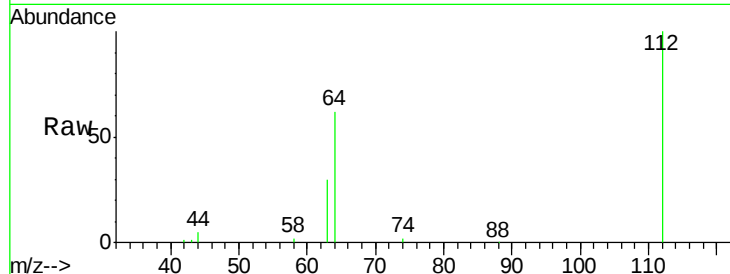




#3
 2-Fluorophenol
 Concen: 1.91 ng
 RT: 6.73 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BE089397.D
 Acq: 28 Jan 2015 20:31

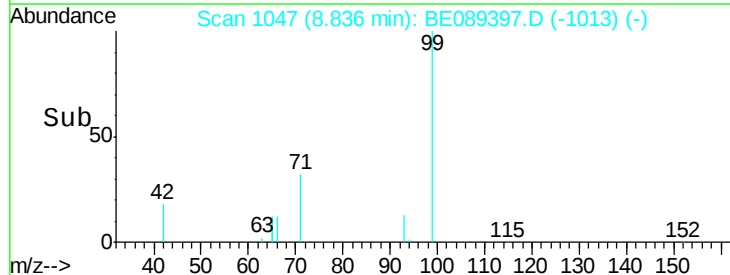
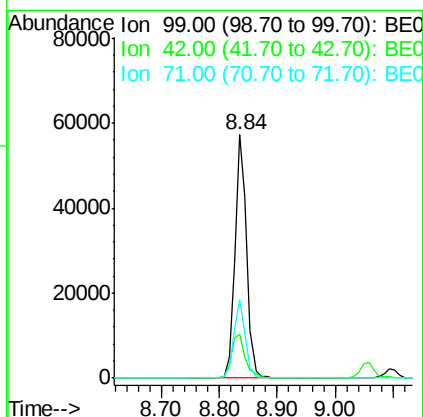
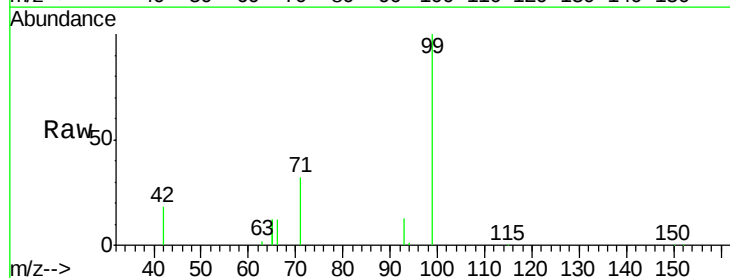
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

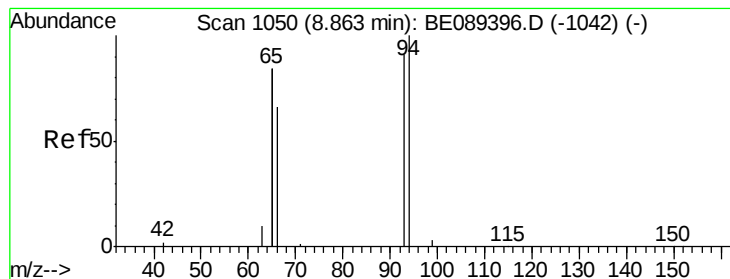
Tgt Ion:	112	Resp:	63711
Ion	Ratio	Lower	Upper
112	100		
64	62.2	51.7	77.5
63	30.2	25.7	38.5



#4
 Phenol-d6
 Concen: 1.89 ng
 RT: 8.84 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BE089397.D
 Acq: 28 Jan 2015 20:31

Tgt Ion:	99	Resp:	77911
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.3	22.9
71	32.5	27.0	40.6





#5

Phenol

Concen: 2.00 ng

RT: 8.86 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDIC002

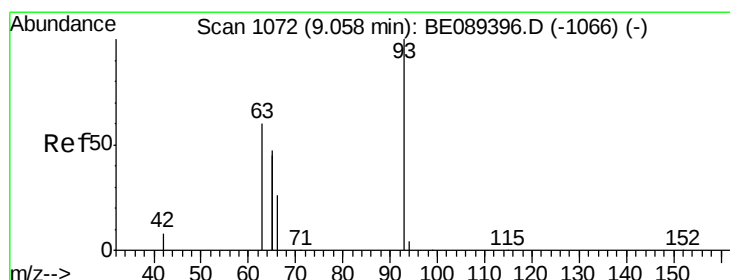
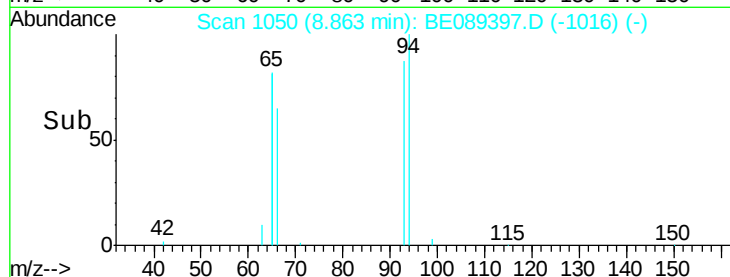
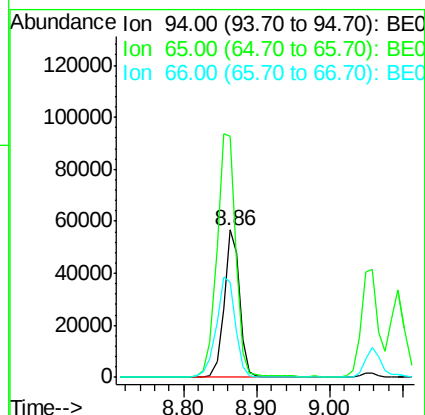
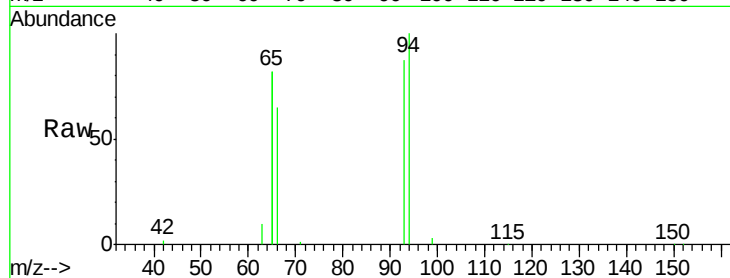
Tgt Ion: 94 Resp: 83147

Ion Ratio Lower Upper

94 100

65 163.8 148.6 188.6

66 64.7 46.2 86.2



#6

bis(2-Chloroethyl)ether

Concen: 1.99 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

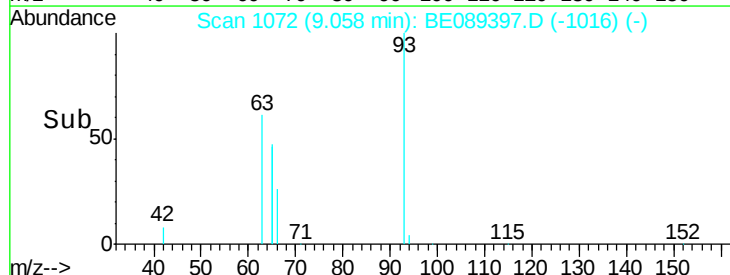
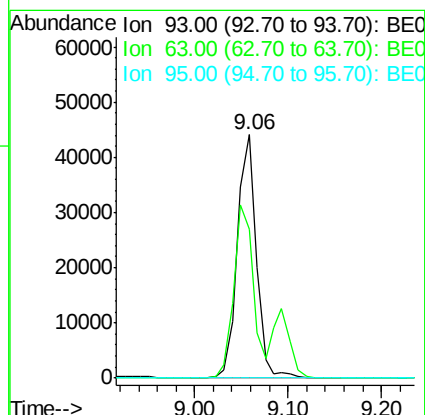
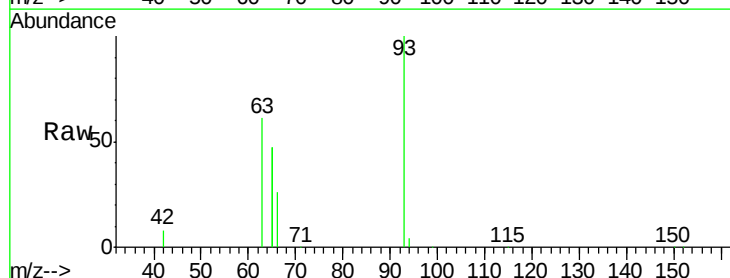
Tgt Ion: 93 Resp: 61738

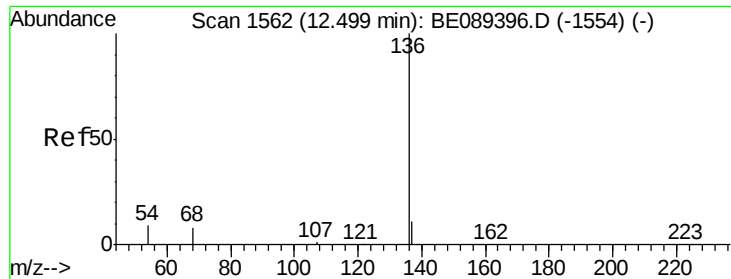
Ion Ratio Lower Upper

93 100

63 74.2 58.9 88.3

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDICC002

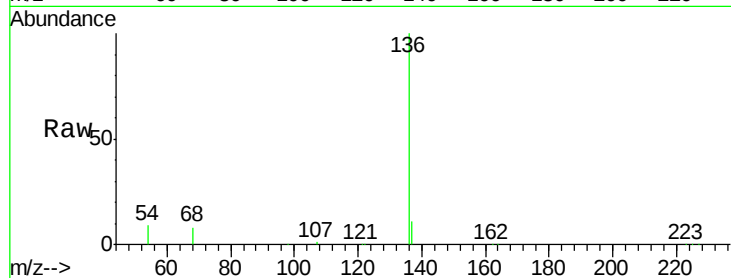
Tgt Ion: 136 Resp: 340375

Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

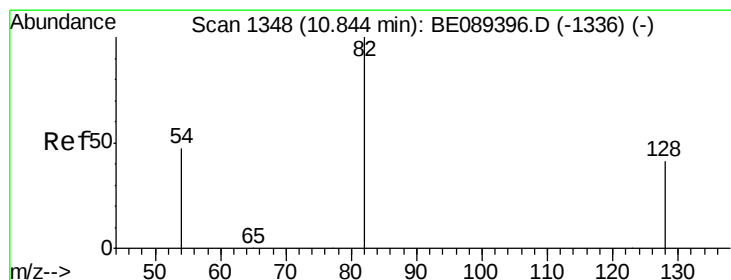
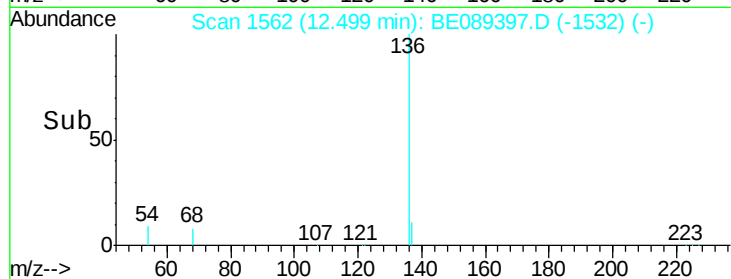
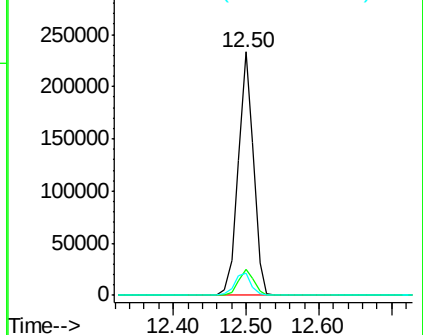
54 8.9 7.4 11.0



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 1.90 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

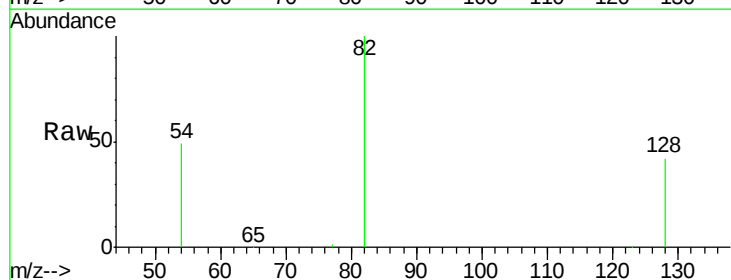
Tgt Ion: 82 Resp: 50164

Ion Ratio Lower Upper

82 100

128 42.0 33.6 50.4

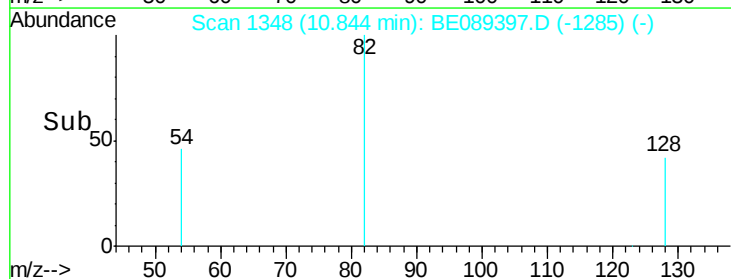
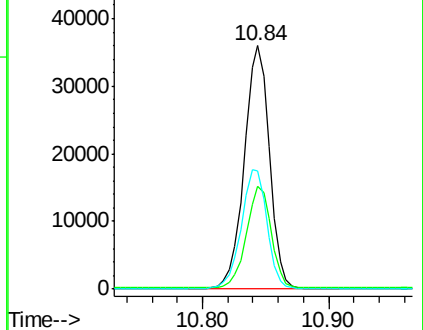
54 48.6 37.7 56.5

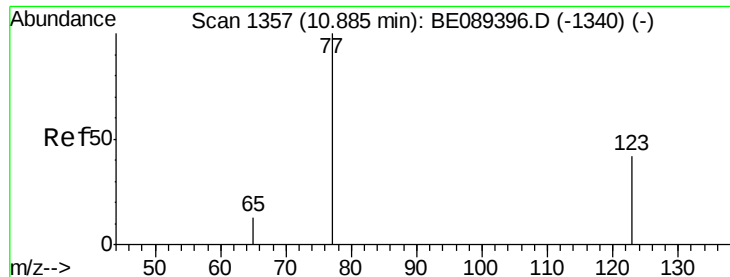


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 1.94 ng

RT: 10.88 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDICC002

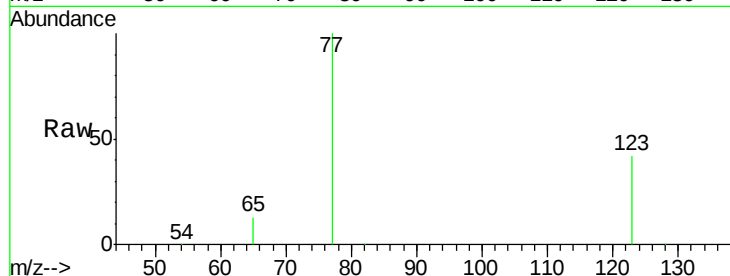
Tgt Ion: 77 Resp: 57313

Ion Ratio Lower Upper

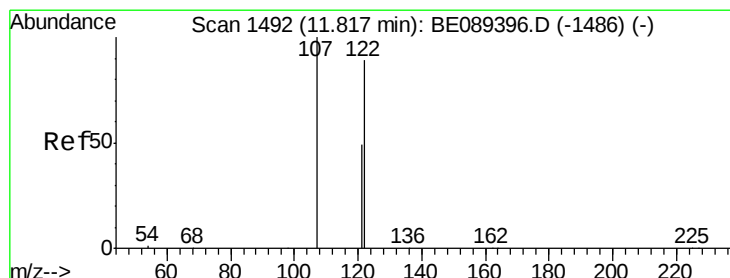
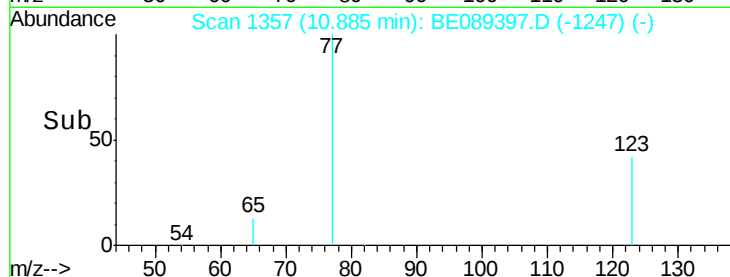
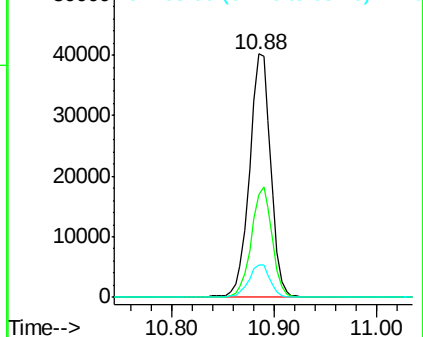
77 100

123 44.0 34.7 52.1

65 13.4 10.6 15.8



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



#10

2,4-Dimethylphenol

Concen: 1.77 ng

RT: 11.82 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

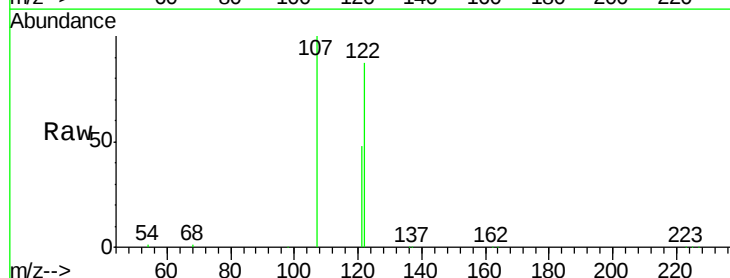
Tgt Ion: 122 Resp: 43335

Ion Ratio Lower Upper

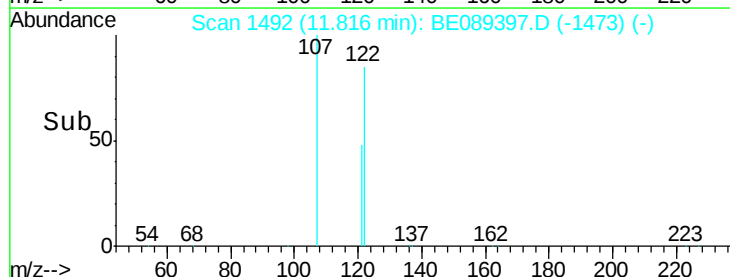
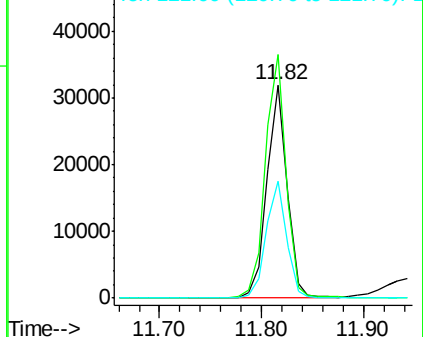
122 100

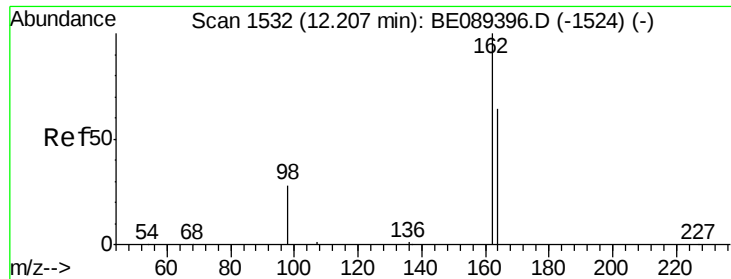
107 114.4 89.4 134.2

121 55.0 43.6 65.4



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

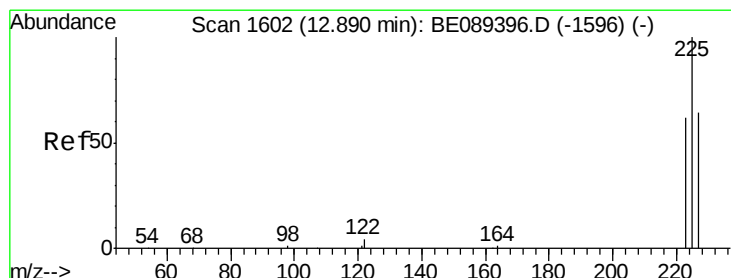
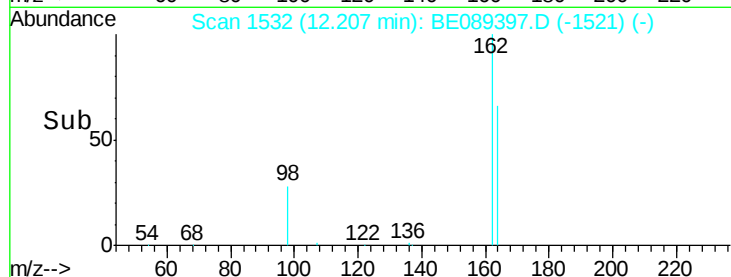
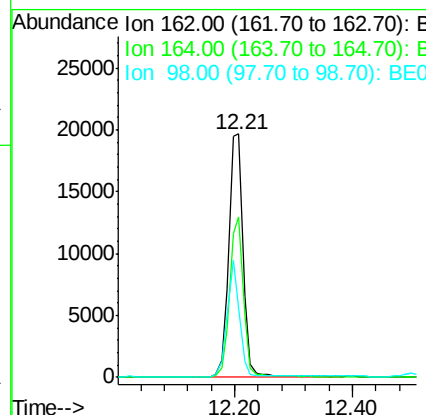
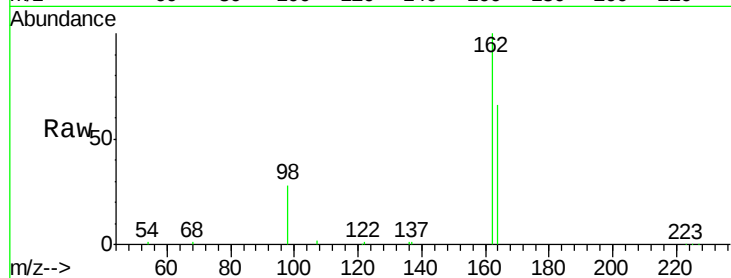




#11
 2,4-Dichlorophenol
 Concen: 1.93 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BE089397.D
 Acq: 28 Jan 2015 20:31

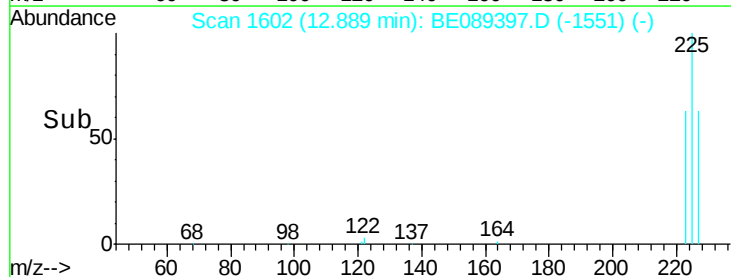
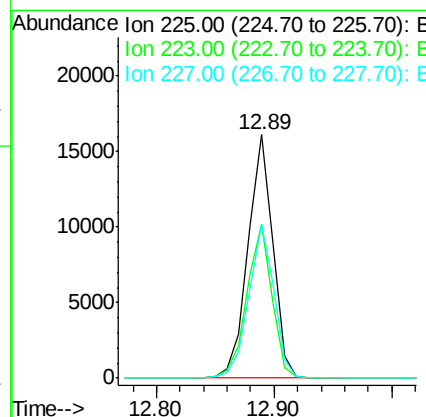
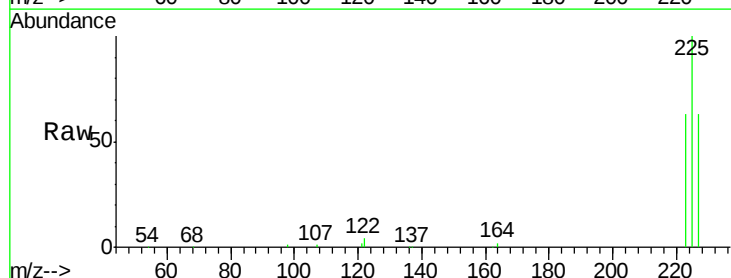
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

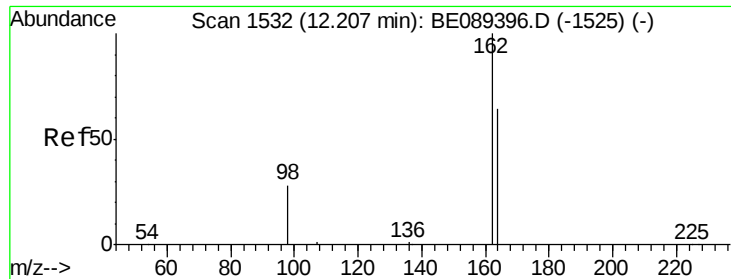
Tgt Ion:162 Resp: 33068
 Ion Ratio Lower Upper
 162 100
 164 65.7 44.6 84.6
 98 28.4 8.7 48.7



#12
 Hexachlorobutadiene
 Concen: 2.06 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BE089397.D
 Acq: 28 Jan 2015 20:31

Tgt Ion:225 Resp: 23359
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.2 75.4
 227 64.0 50.5 75.7

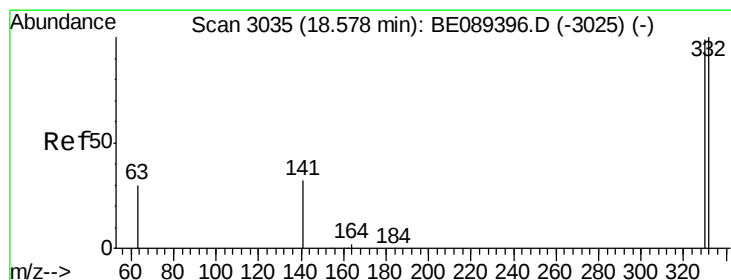
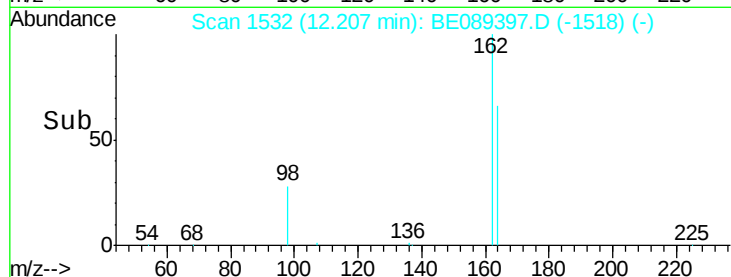
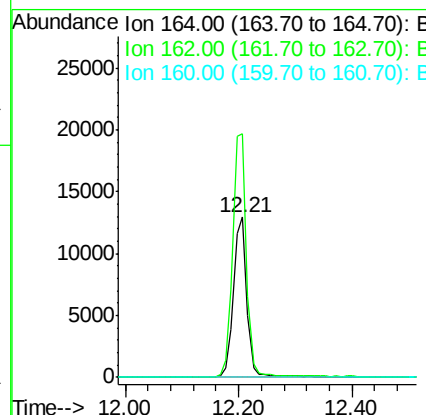
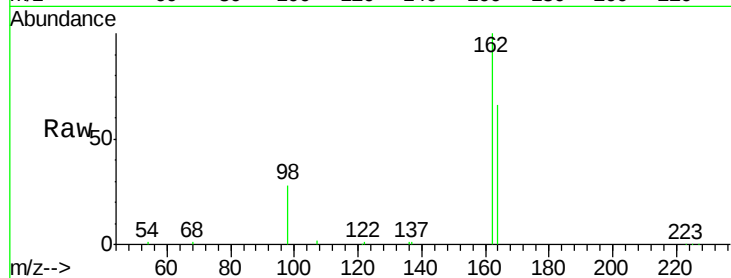




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 12.21 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BE089397.D
Acq: 28 Jan 2015 20:31

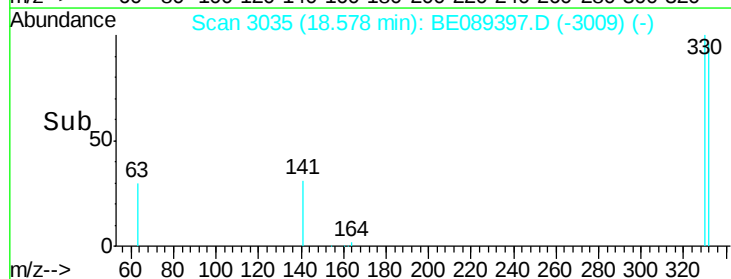
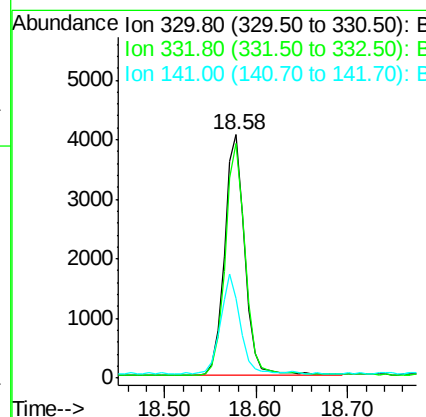
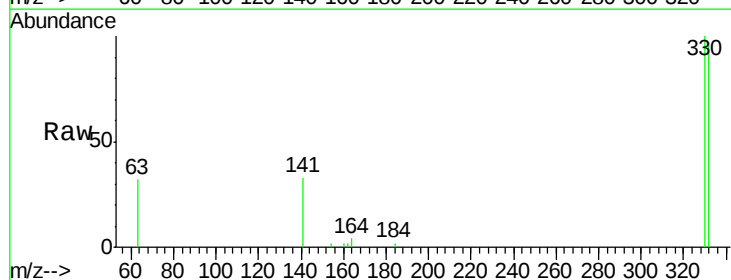
Instrument :
BNA_E
LabSampleId :
SSTDICC002

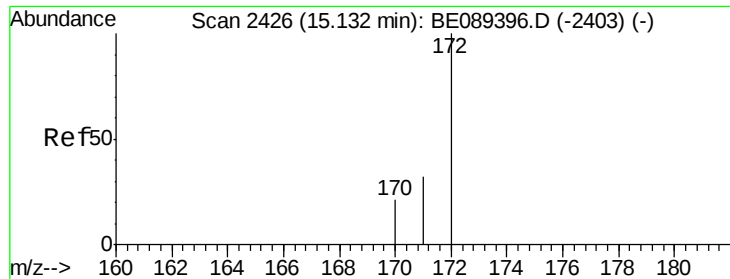
Tgt Ion:164 Resp: 20891
Ion Ratio Lower Upper
164 100
162 152.2 123.9 185.9
160 0.0 0.0 0.0



#14
2,4,6-Tribromophenol
Concen: 4.25 ng
RT: 18.58 min Scan# 3035
Delta R.T. 0.00 min
Lab File: BE089397.D
Acq: 28 Jan 2015 20:31

Tgt Ion:330 Resp: 6248
Ion Ratio Lower Upper
330 100
332 95.5 77.5 116.3
141 40.8 32.4 48.6

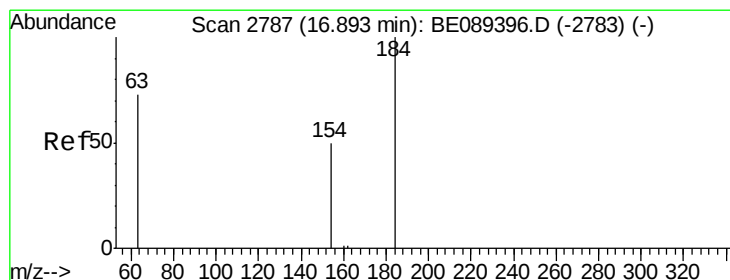
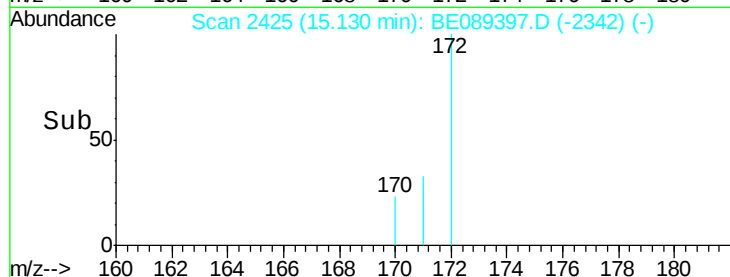
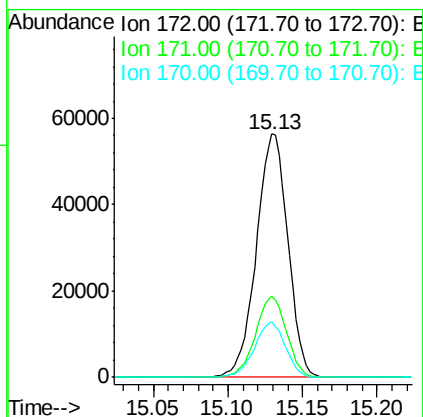
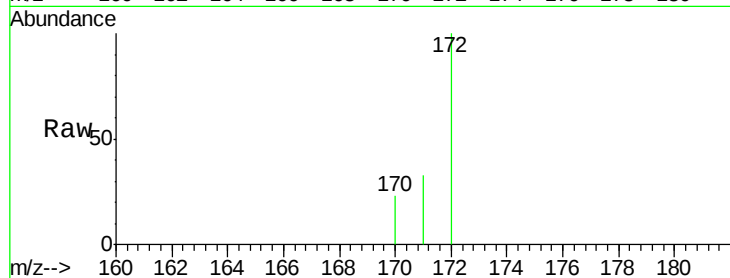




#15
2-Fluorobiphenyl
Concen: 4.08 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089397.D
Acq: 28 Jan 2015 20:31

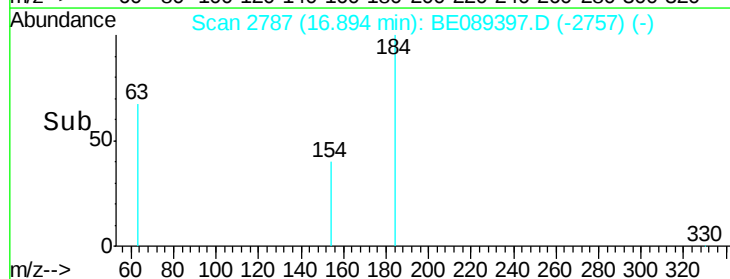
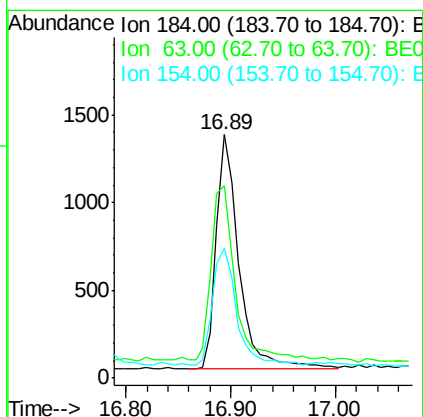
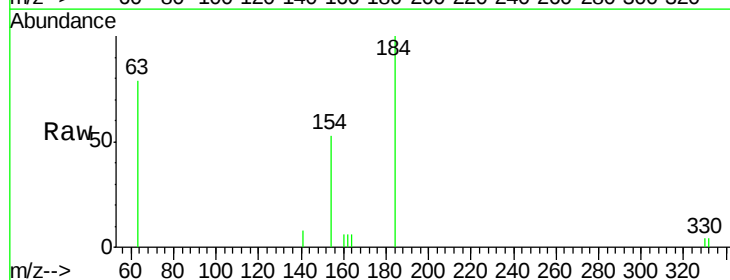
Instrument :
BNA_E
LabSampleId :
SSTDICC002

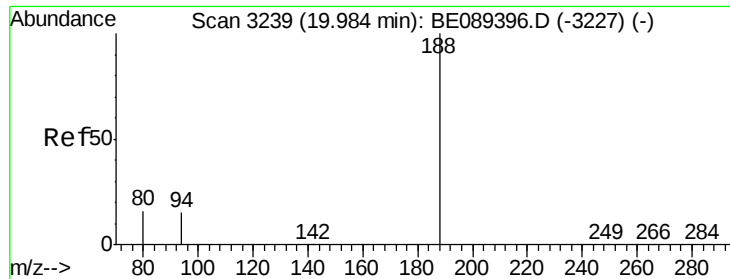
Tgt Ion:172 Resp: 82146
Ion Ratio Lower Upper
172 100
171 33.0 25.6 38.4
170 22.7 17.0 25.4



#16
2,4-Dinitrophenol
Concen: 4.79 ng
RT: 16.89 min Scan# 2787
Delta R.T. 0.00 min
Lab File: BE089397.D
Acq: 28 Jan 2015 20:31

Tgt Ion:184 Resp: 2004
Ion Ratio Lower Upper
184 100
63 79.3 66.9 100.3
154 53.2 45.1 67.7

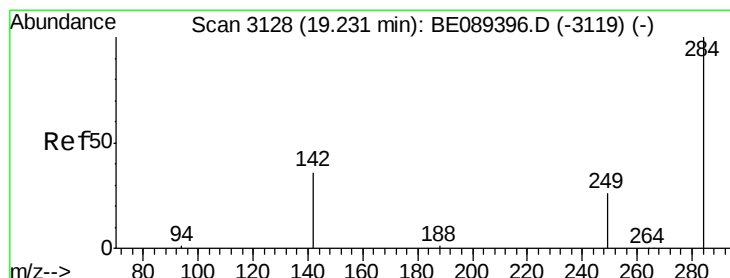
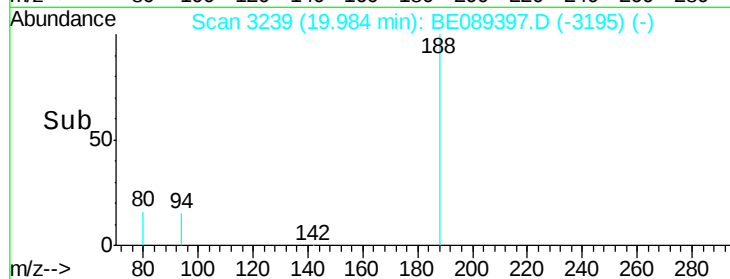
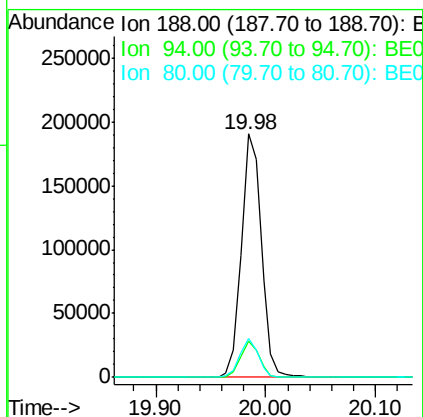
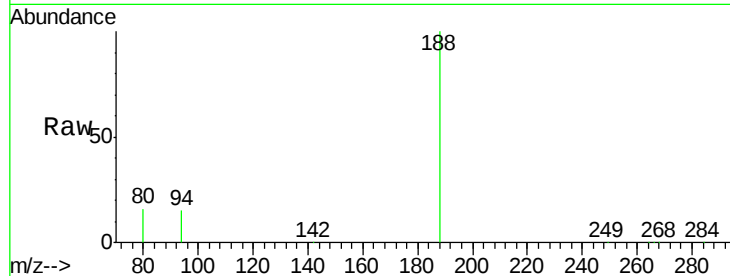




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.98 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BE089397.D
Acq: 28 Jan 2015 20:31

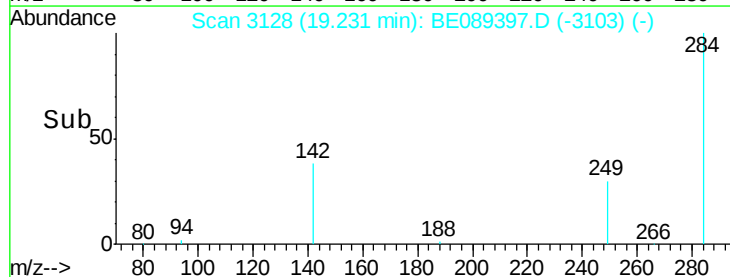
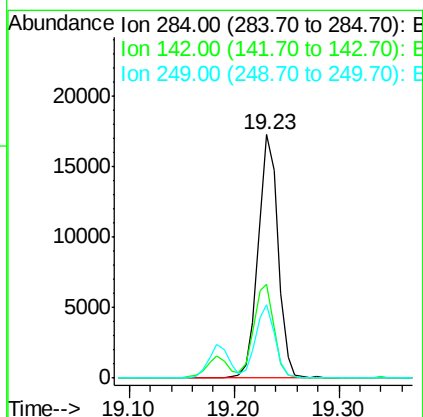
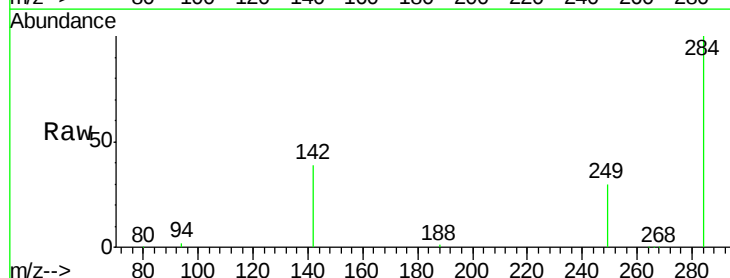
Instrument :
BNA_E
LabSampleId :
SSTDICC002

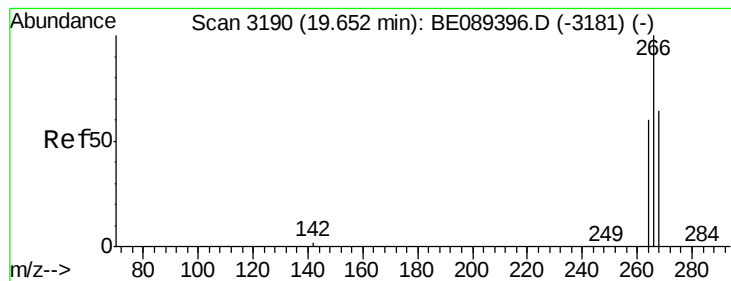
Tgt Ion:188 Resp: 237950
Ion Ratio Lower Upper
188 100
94 14.6 12.0 18.0
80 16.1 13.2 19.8



#18
Hexachlorobenzene
Concen: 1.92 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089397.D
Acq: 28 Jan 2015 20:31

Tgt Ion:284 Resp: 22740
Ion Ratio Lower Upper
284 100
142 38.7 30.7 46.1
249 29.9 23.4 35.2





#19

Pentachlorophenol

Concen: 2.43 ng

RT: 19.65 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDICC002

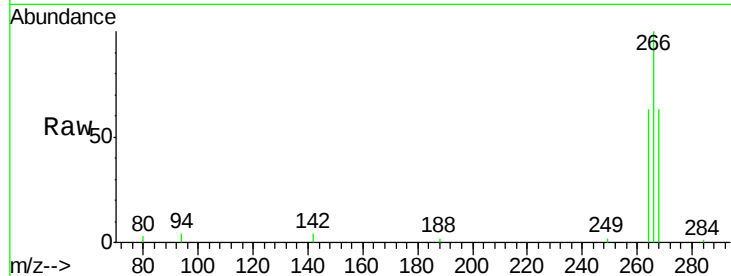
Tgt Ion:266 Resp: 4959

Ion Ratio Lower Upper

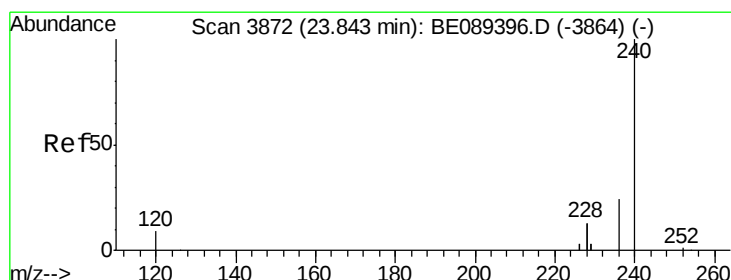
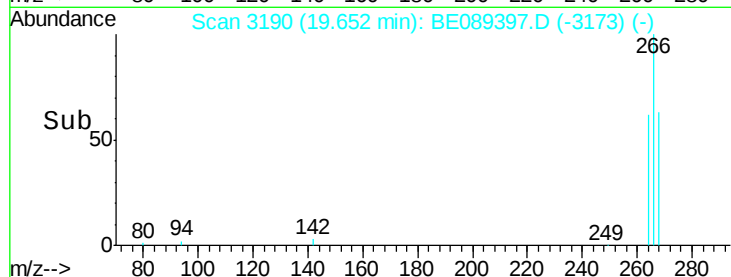
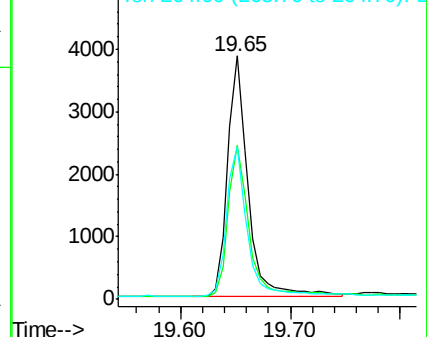
266 100

268 63.1 52.5 78.7

264 62.9 48.8 73.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.84 min Scan# 3872

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

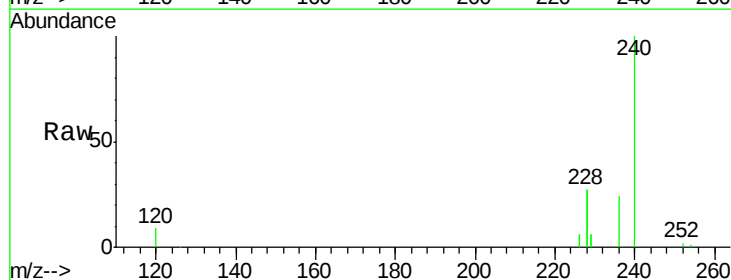
Tgt Ion:240 Resp: 344871

Ion Ratio Lower Upper

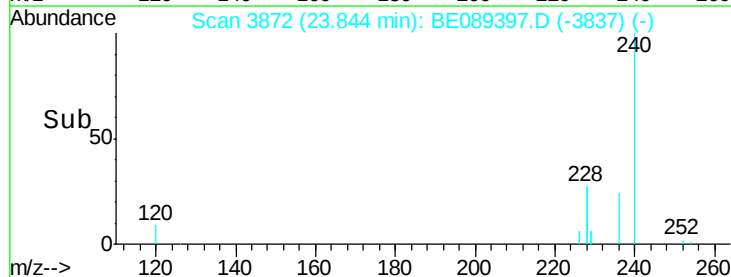
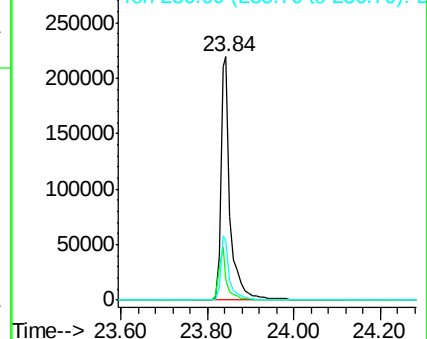
240 100

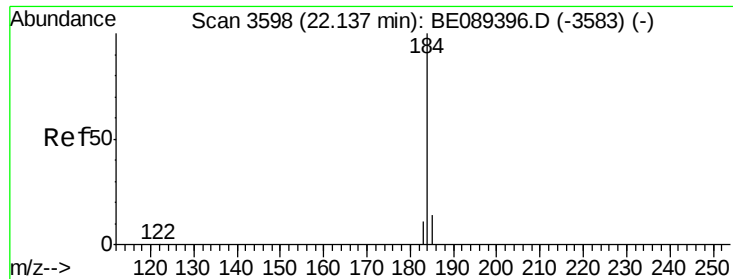
120 8.6 7.1 10.7

236 24.3 19.5 29.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 2.16 ng

RT: 22.14 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDIC002

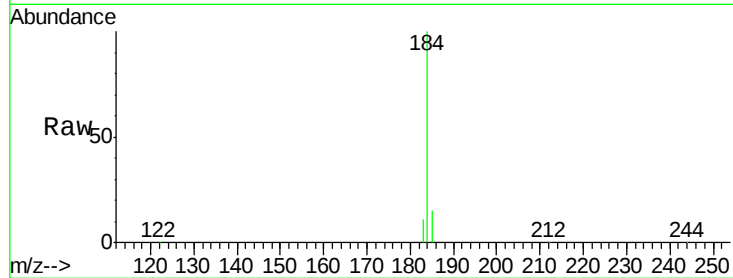
Tgt Ion:184 Resp: 58444

Ion Ratio Lower Upper

184 100

185 14.8 11.4 17.0

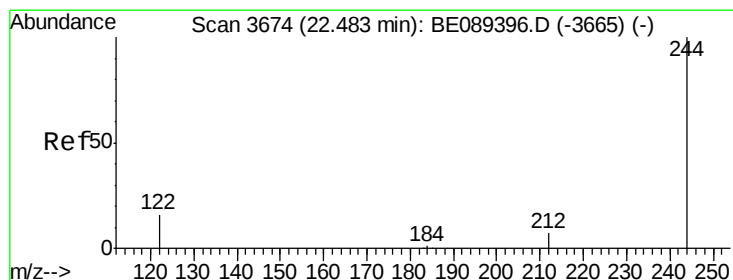
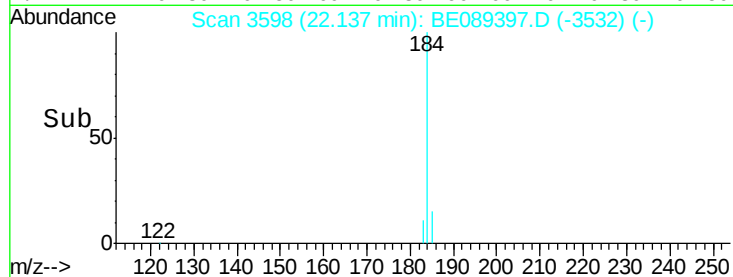
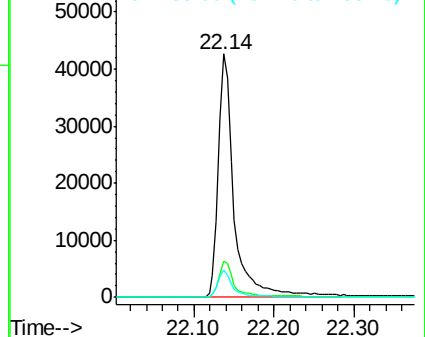
183 11.0 8.7 13.1



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#22

Terphenyl-d14

Concen: 2.56 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

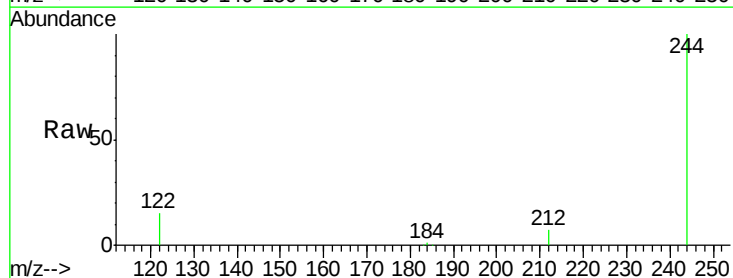
Tgt Ion:244 Resp: 80466

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

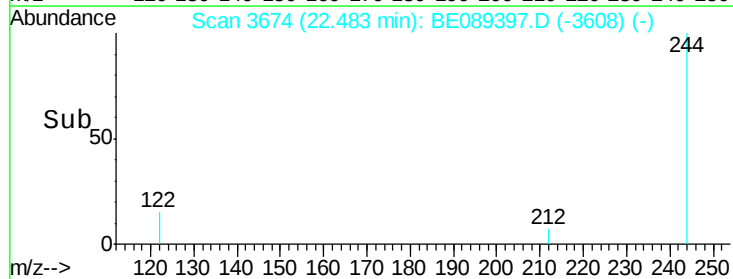
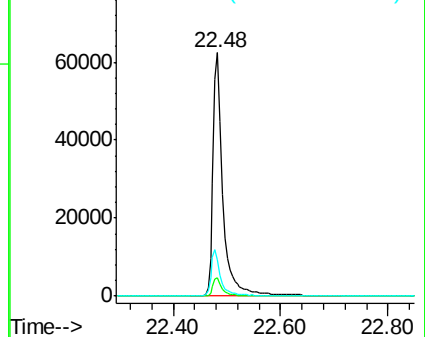
122 14.7 12.8 19.2

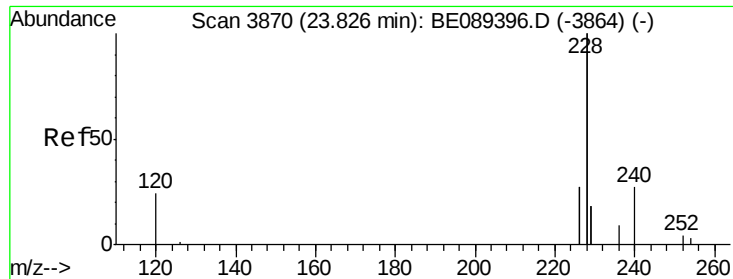


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 2.82 ng

RT: 23.83 min Scan# 3870

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDICC002

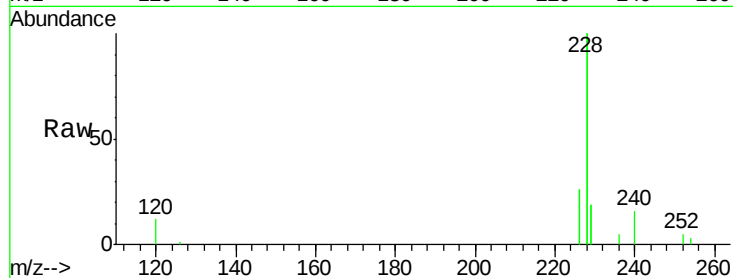
Tgt Ion:228 Resp: 678023

Ion Ratio Lower Upper

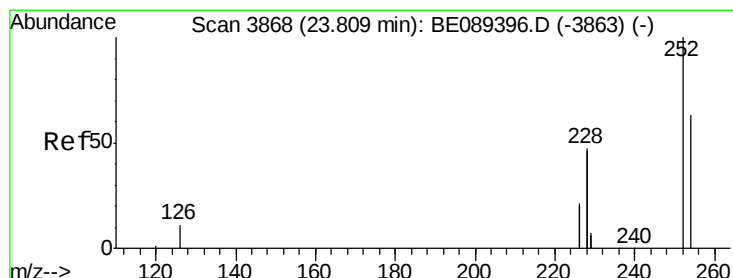
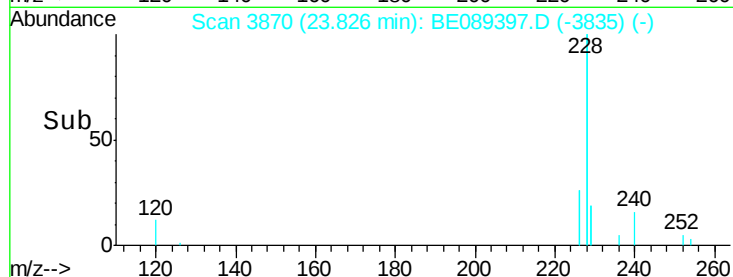
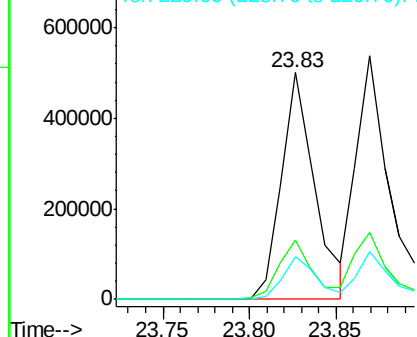
228 100

226 26.0 21.8 32.6

229 18.9 14.5 21.7



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#24

3,3'-Dichlorobenzidine

Concen: 2.72 ng

RT: 23.81 min Scan# 3868

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

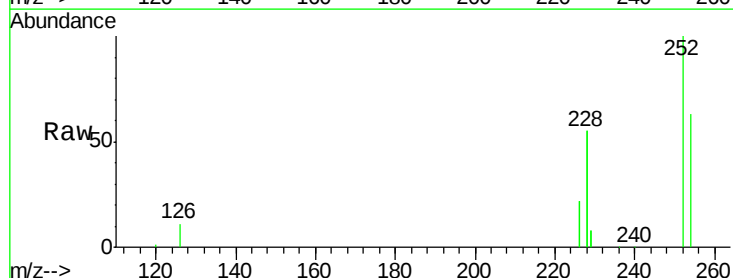
Tgt Ion:252 Resp: 58401

Ion Ratio Lower Upper

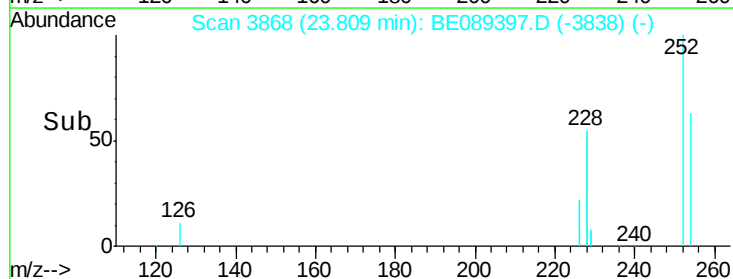
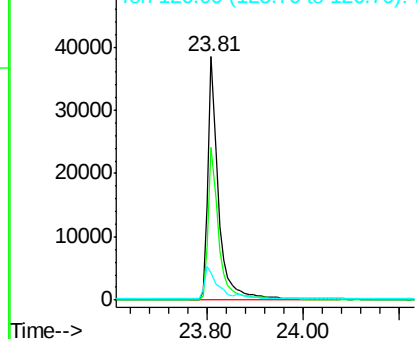
252 100

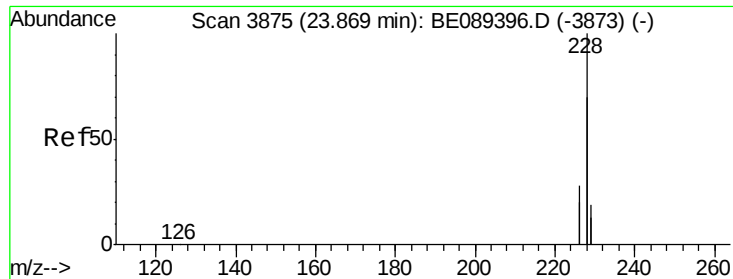
254 62.7 50.2 75.4

126 11.4 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 2.08 ng

RT: 23.87 min Scan# 3875

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDIC002

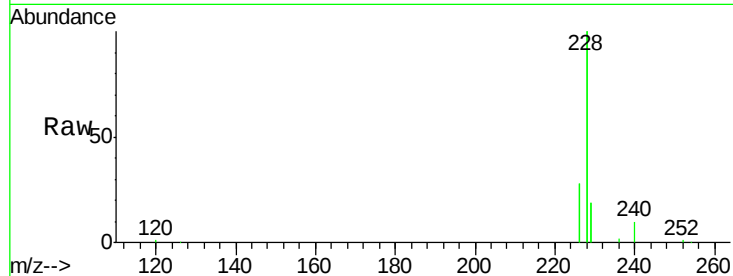
Tgt Ion:228 Resp: 816423

Ion Ratio Lower Upper

228 100

226 27.7 22.7 34.1

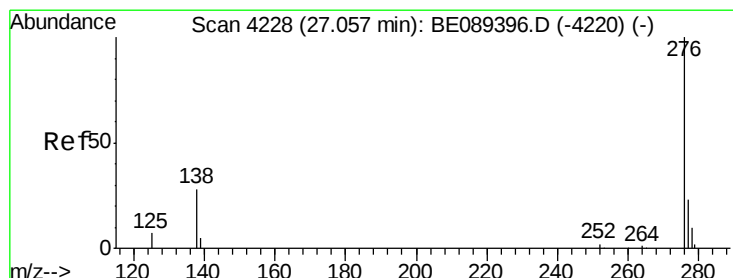
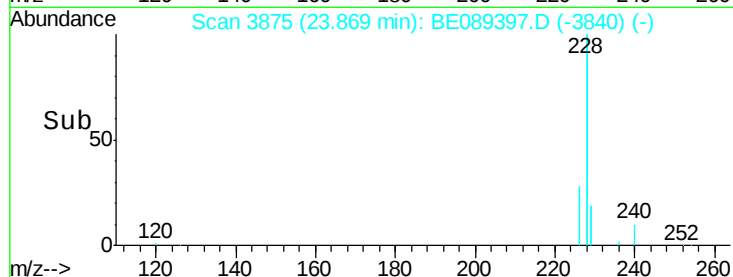
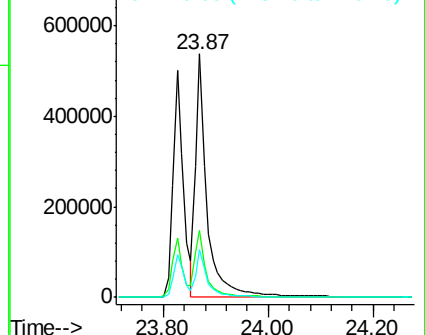
229 19.5 15.2 22.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 1.49 ng

RT: 27.07 min Scan# 4229

Delta R.T. 0.01 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

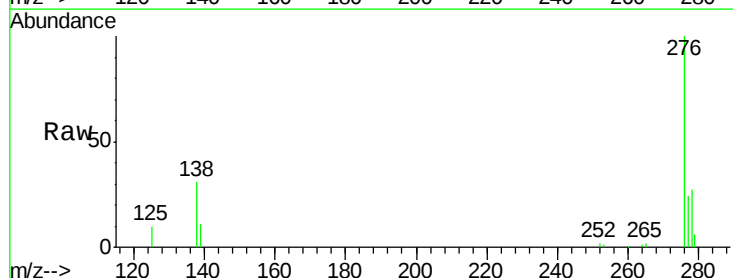
Tgt Ion:276 Resp: 205556

Ion Ratio Lower Upper

276 100

138 33.0 0.0 0.0#

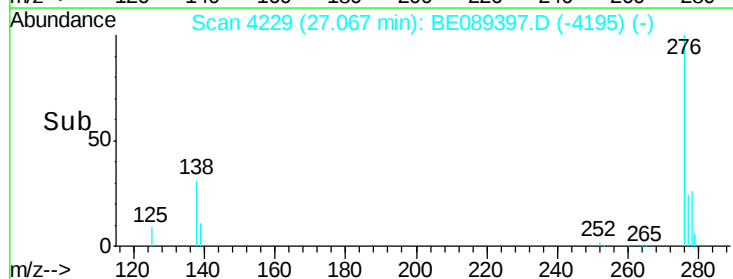
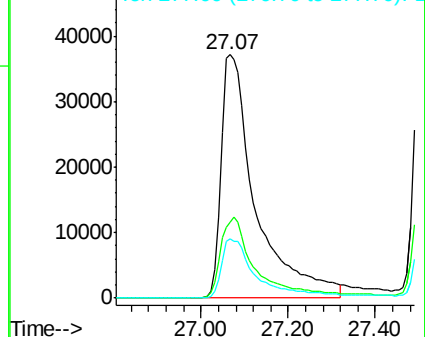
277 24.5 0.0 0.0#

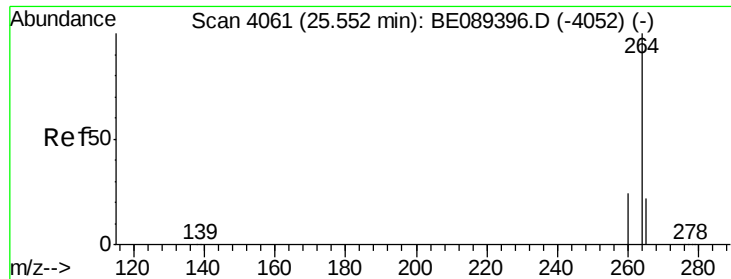


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4061

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDICC002

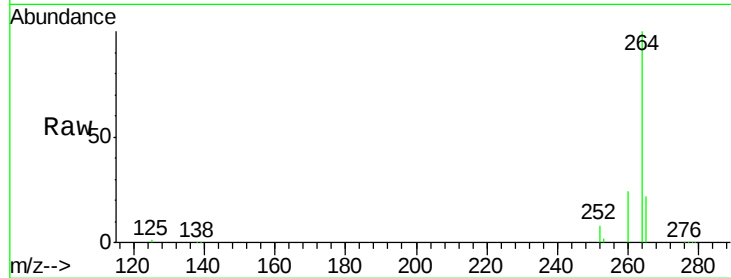
Tgt Ion: 264 Resp: 390331

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

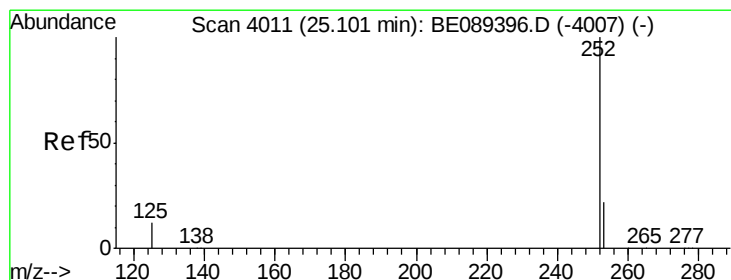
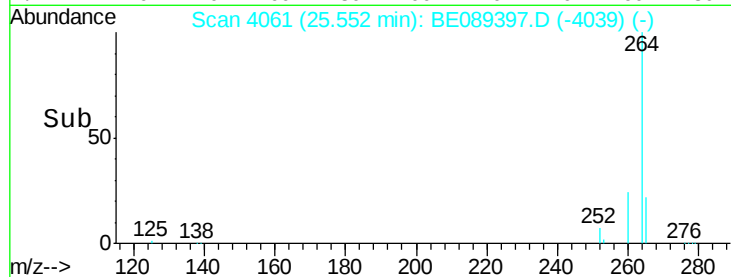
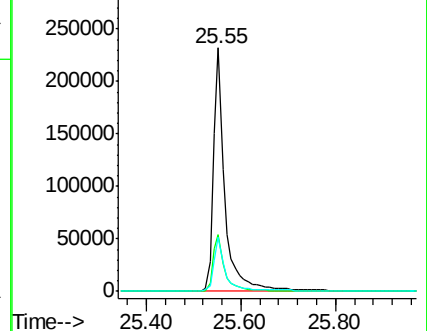
265 22.0 17.5 26.3



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: 15.38 ng

RT: 25.13 min Scan# 4014

Delta R.T. 0.03 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

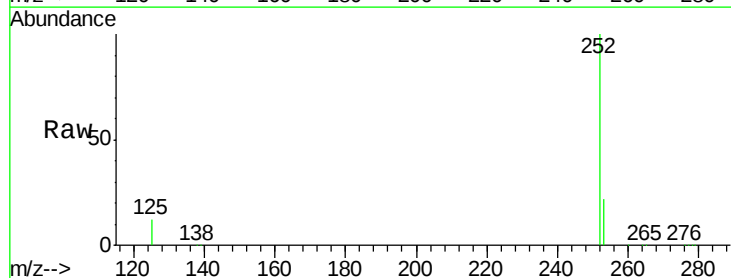
Tgt Ion: 252 Resp: 406747

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

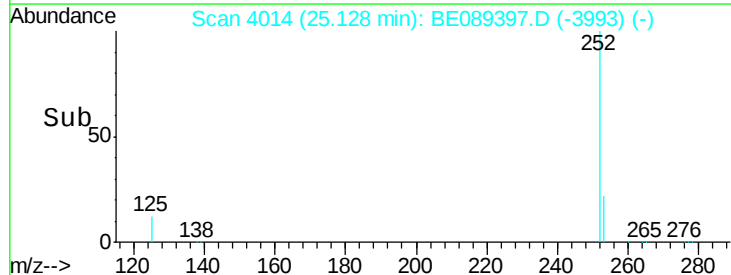
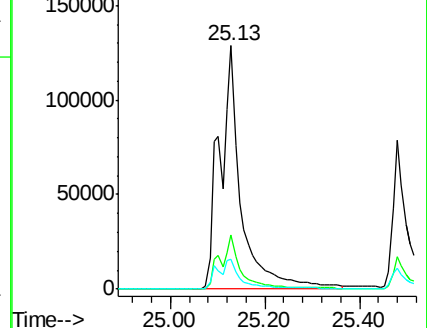
125 12.2 9.8 14.6

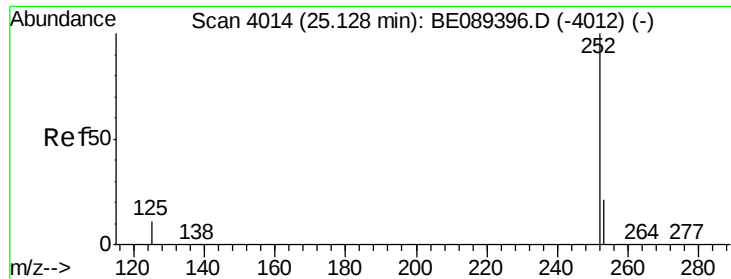


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Benzo(k)fluoranthene

Concen: 6.82 ng

RT: 25.13 min Scan# 4014

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDIC002

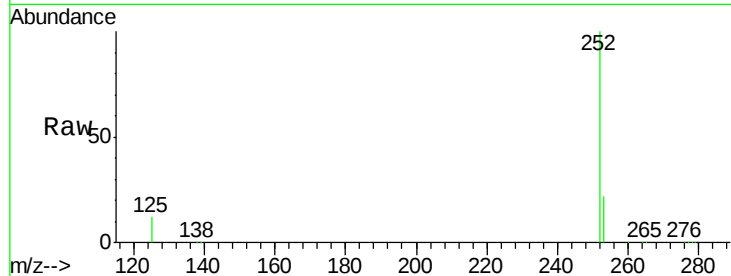
Tgt Ion:252 Resp: 409279

Ion Ratio Lower Upper

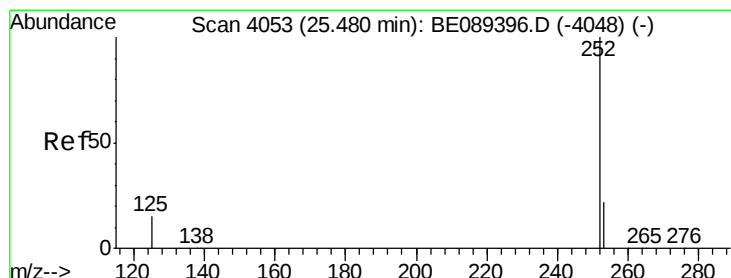
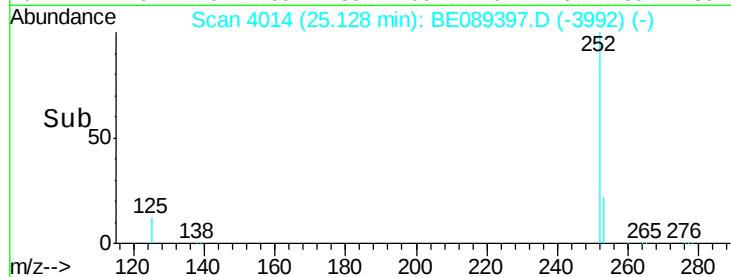
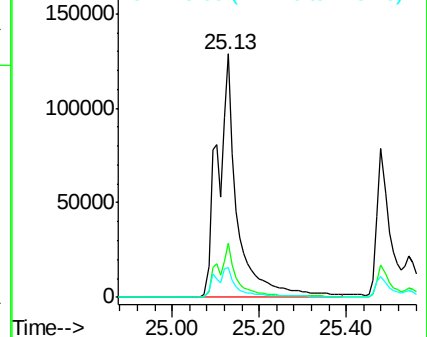
252 100

253 22.1 17.3 25.9

125 12.2 10.2 15.4



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



#30

Benzo(a)pyrene

Concen: 4.08 ng

RT: 25.48 min Scan# 4053

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 28 Jan 2015 20:31

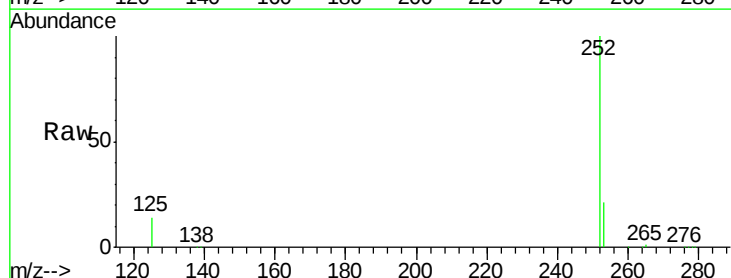
Tgt Ion:252 Resp: 143674

Ion Ratio Lower Upper

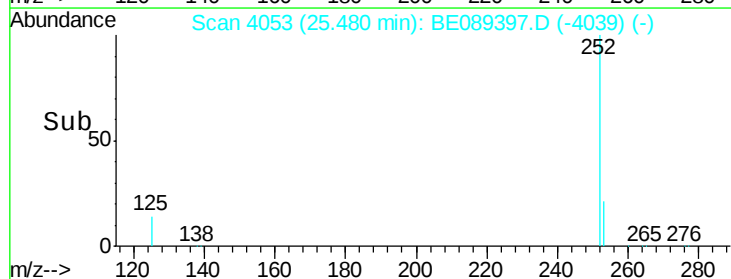
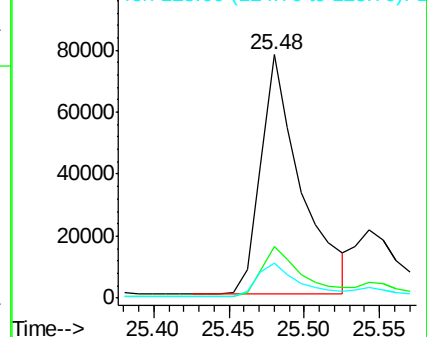
252 100

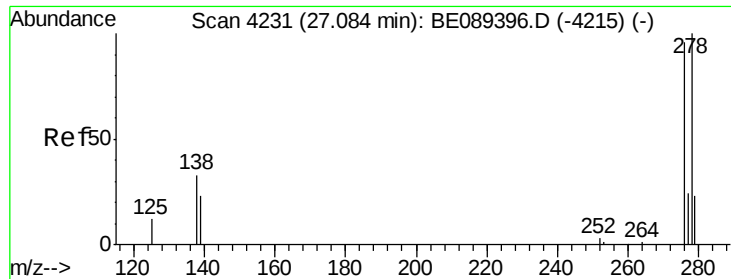
253 21.4 17.5 26.3

125 14.4 12.2 18.4



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





#31

Dibenzo(a,h)anthracene

Concen: 5.32 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.00 min

Lab File: BE089397.D

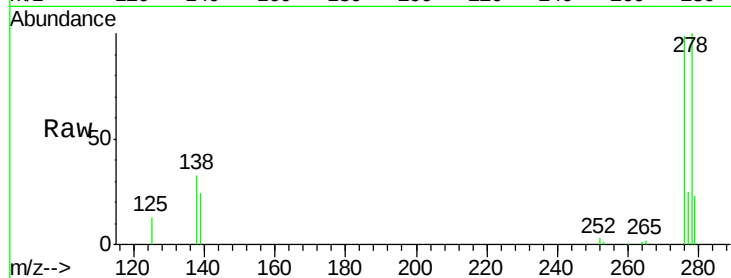
Acq: 28 Jan 2015 20:31

Instrument :

BNA_E

LabSampleId :

SSTDIC002



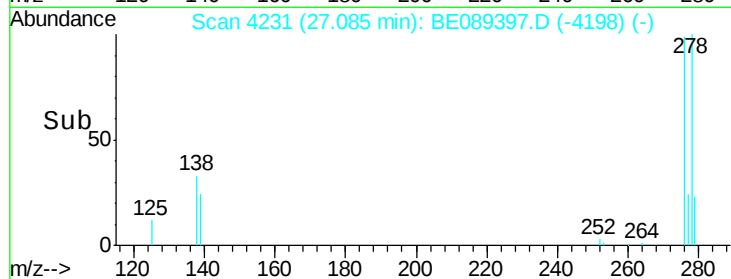
Tgt Ion: 278 Resp: 150646

Ion Ratio Lower Upper

278 100

139 23.9 18.5 27.7

279 23.0 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

