

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021615\
 Data File : BE089569.D
 Acq On : 16 Feb 2015 14:24
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

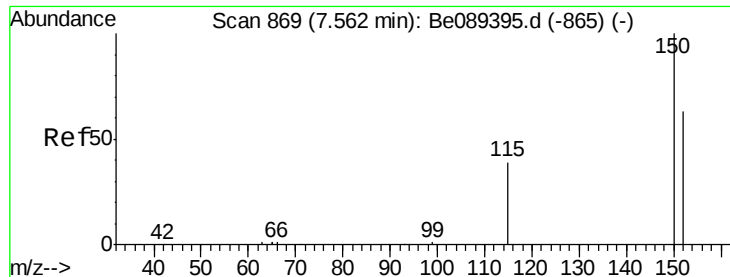
Quant Time: Feb 16 17:17:34 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 16 17:05:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.35	152	90369	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	362109	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	175779	5.00	ng	0.00
17) Phenanthrene-d10	19.78	188	338549	5.00	ng	0.00
20) Chrysene-d12	23.66	240	399164	5.00	ng	0.00
27) Perylene-d12	25.34	264	365053	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	265009	8.82	ng	0.00
4) Phenol-d6	8.63	99	351425	9.44	ng	0.00
8) Nitrobenzene-d5	10.61	82	180209	6.64	ng	0.00
14) 2,4,6-Tribromophenol	18.32	330	46564	13.31	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	454811	8.29	ng	0.00
22) Terphenyl-d14	22.30	244	560705	14.72	ng	0.00

Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.32	42	161733	10.63	ng	100
5) Phenol	8.67	94	371096	9.90	ng	# 59
6) bis(2-Chloroethyl)ether	8.84	93	283925	10.09	ng	# 100
9) Nitrobenzene	10.65	77	229216	7.51	ng	# 100
10) 2,4-Dimethylphenol	11.59	122	221465	8.70	ng	100
11) 2,4-Dichlorophenol	11.97	162	173443	9.55	ng	100
12) Hexachlorobutadiene	12.64	225	105631	8.92	ng	# 100
16) 2,4-Dinitrophenol	16.65	184	10253	8.54	ng	100
18) Hexachlorobenzene	19.00	284	137624	8.21	ng	100
19) Pentachlorophenol	19.44	266	36287	11.59	ng	100
21) Benzidine	21.96	184	481259	14.62	ng	100
23) Benzo(a)anthracene	23.64	228	4171320	14.78	ng	100
24) 3,3'-Dichlorobenzidine	23.63	252	369443	13.66	ng	100
25) Chrysene	23.69	228	3712830	7.94	ng	100
26) Indeno(1,2,3-cd)pyrene	26.75	276	1138501	5.18	ng	# 100
28) Benzo(b)fluoranthene	24.92	252	961198	30.01	ng	100
29) Benzo(k)fluoranthene	24.95	252	1055603	13.90	ng	100
30) Benzo(a)pyrene	25.28	252	907150	22.02	ng	100
31) Dibenzo(a,h)anthracene	26.78	278	915112	25.55	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.35 min Scan# 1104

Delta R.T. 0.00 min

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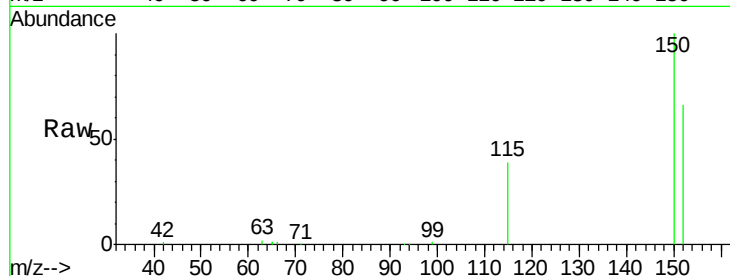
Tgt Ion:152 Resp: 90369

Ion Ratio Lower Upper

152 100

150 151.8 121.4 182.2

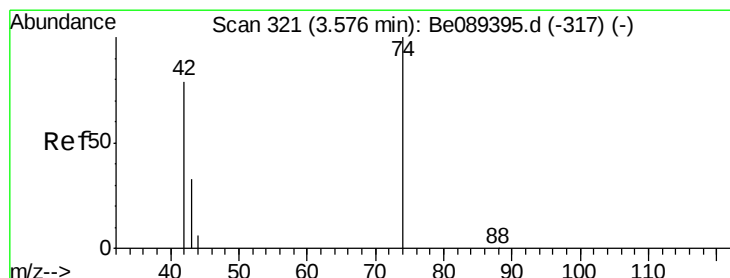
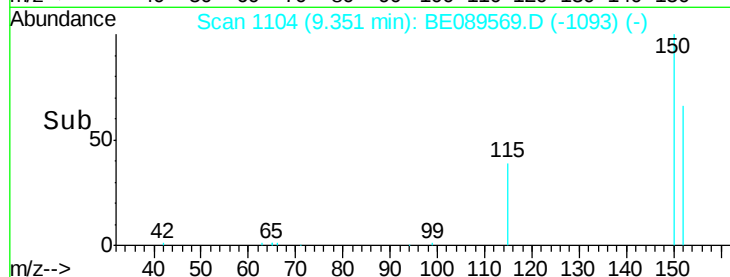
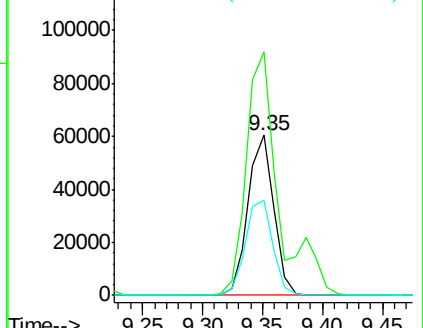
115 59.0 47.2 70.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 10.63 ng

RT: 3.32 min Scan# 282

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

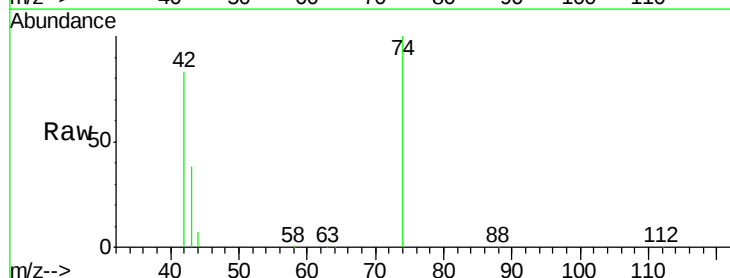
Tgt Ion: 42 Resp: 161733

Ion Ratio Lower Upper

42 100

74 121.1 96.9 145.3

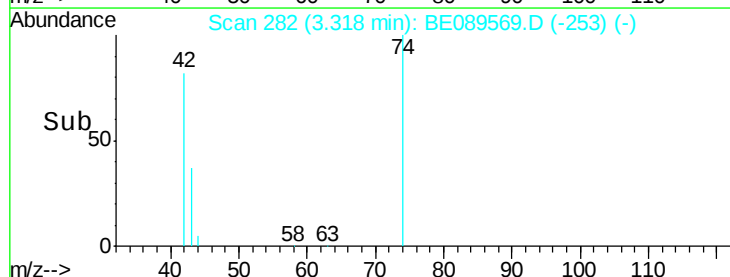
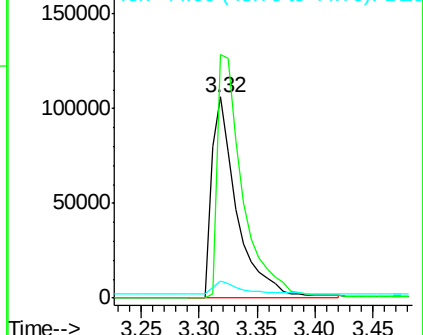
44 8.4 6.7 10.1

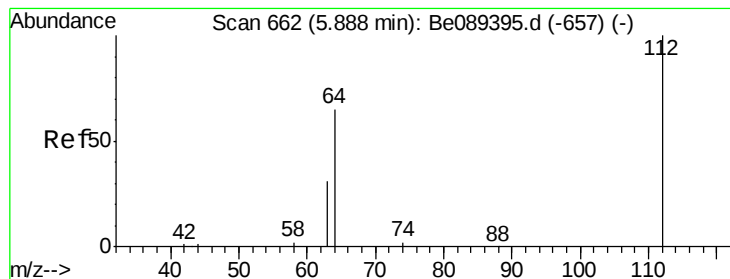


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 8.82 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BE089569.D

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SSTDICC010

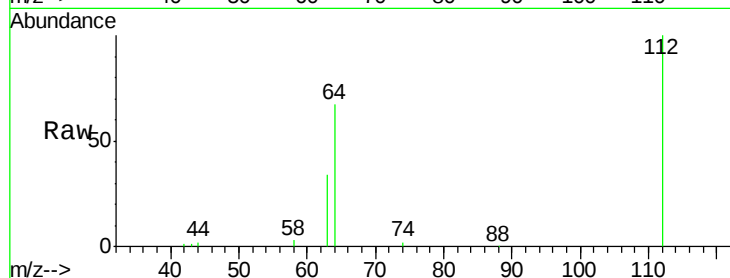
Tgt Ion: 112 Resp: 265009

Ion Ratio Lower Upper

112 100

64 67.0 53.6 80.4

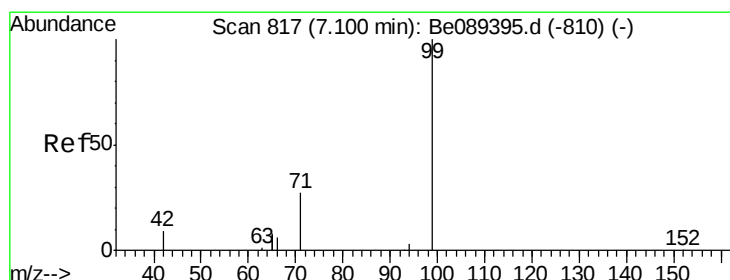
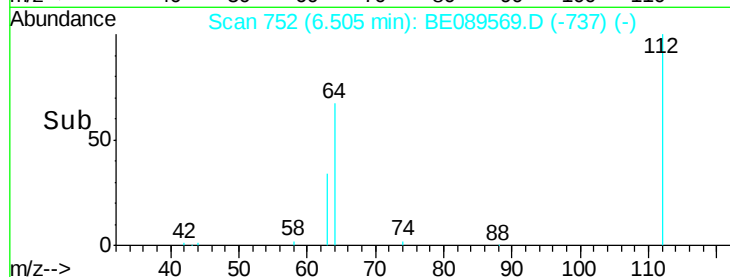
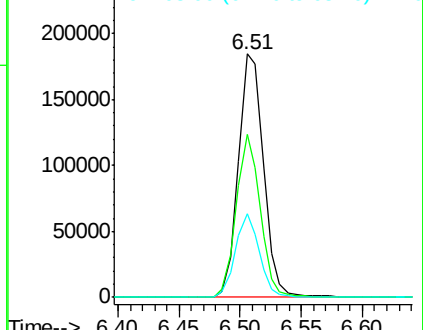
63 34.1 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#4

Phenol-d6

Concen: 9.44 ng

RT: 8.63 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

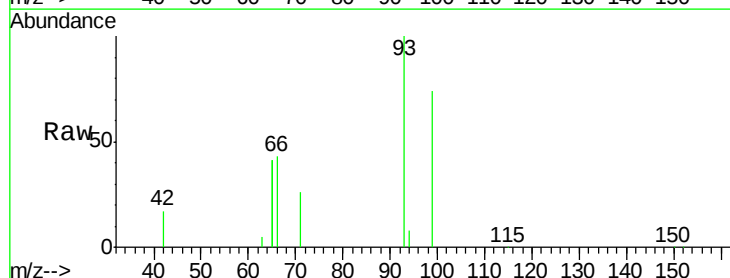
Tgt Ion: 99 Resp: 351425

Ion Ratio Lower Upper

99 100

42 23.1 18.5 27.7

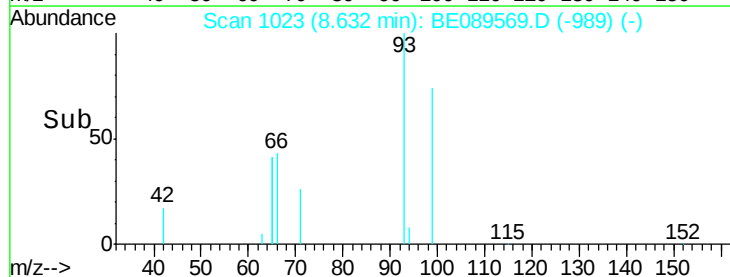
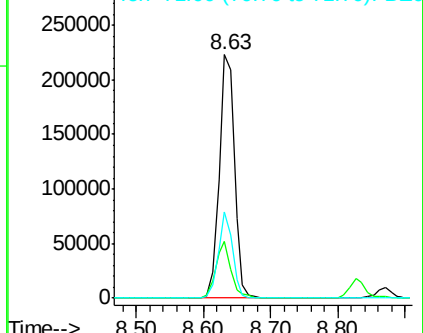
71 35.2 28.2 42.2

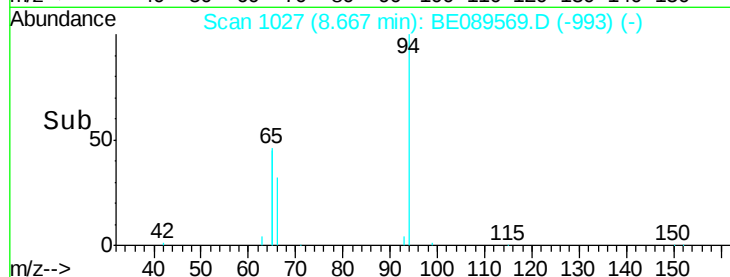
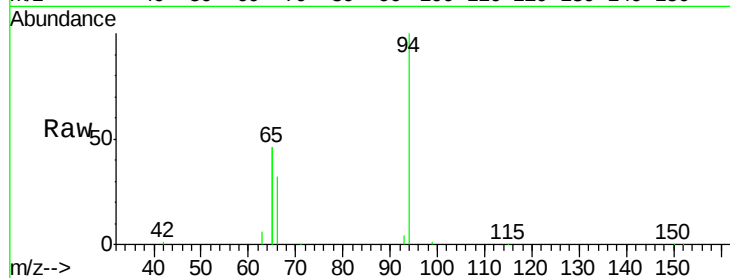
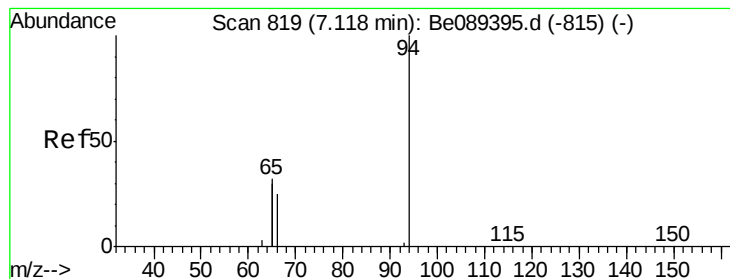


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 9.90 ng

RT: 8.67 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDIC010

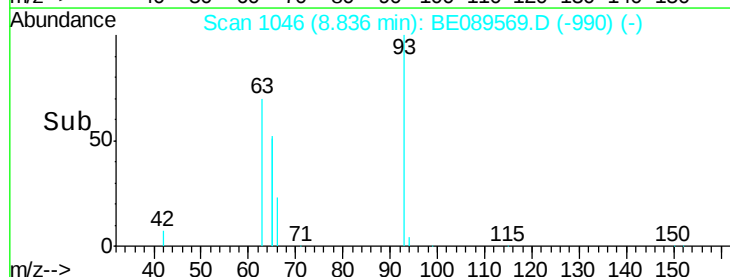
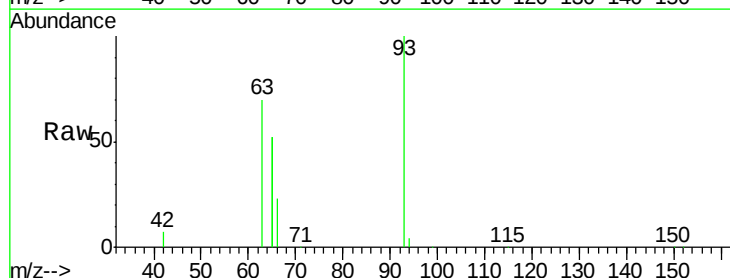
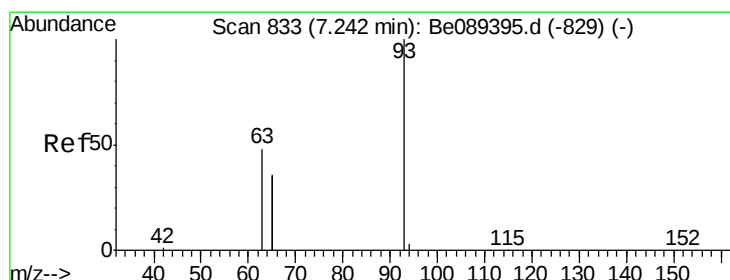
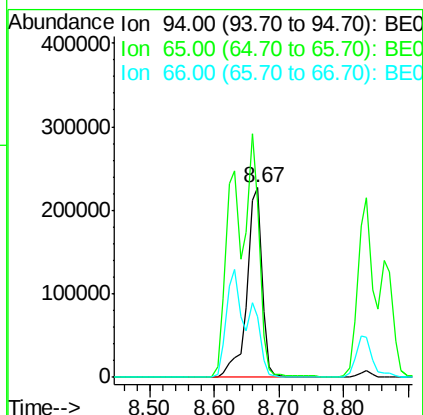
Tgt Ion: 94 Resp: 371096

Ion Ratio Lower Upper

94 100

65 91.6 25.8 65.8#

66 31.9 11.9 51.9



#6

bis(2-Chloroethyl)ether

Concen: 10.09 ng

RT: 8.84 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

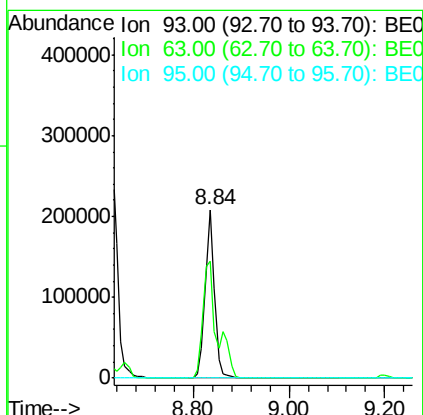
Tgt Ion: 93 Resp: 283925

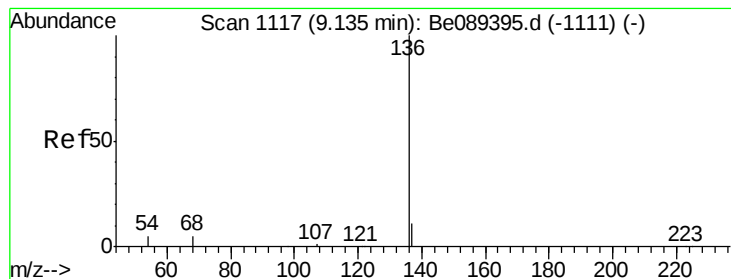
Ion Ratio Lower Upper

93 100

63 105.7 0.0 0.0#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDICC010

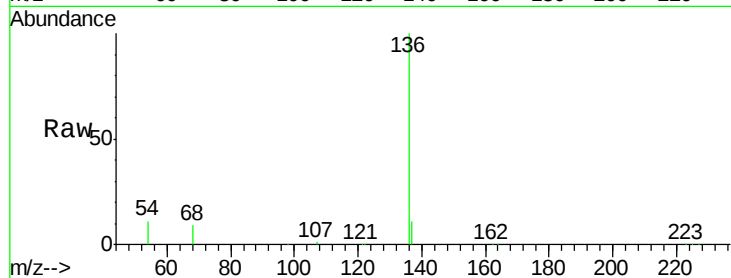
Tgt Ion: 136 Resp: 362109

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

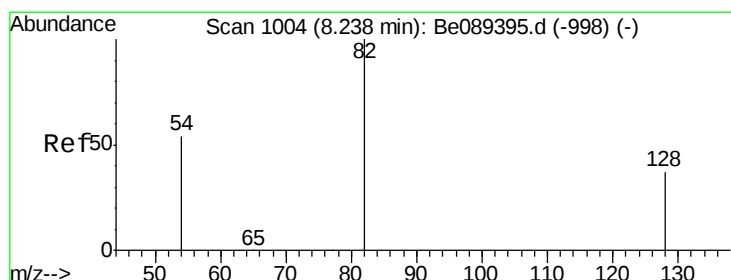
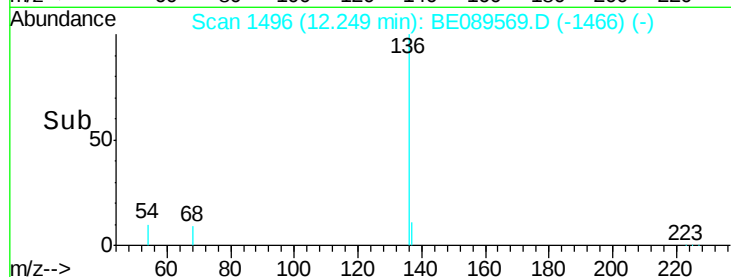
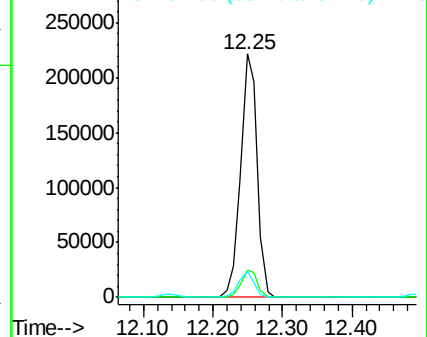
54 10.8 8.6 13.0



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: 6.64 ng

RT: 10.61 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

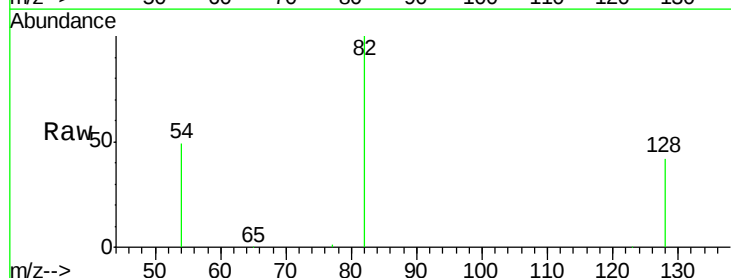
Tgt Ion: 82 Resp: 180209

Ion Ratio Lower Upper

82 100

128 41.7 33.4 50.0

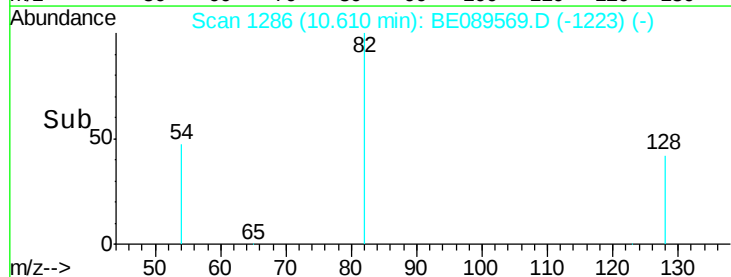
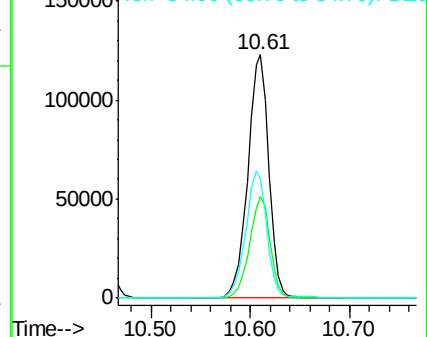
54 49.3 39.4 59.2

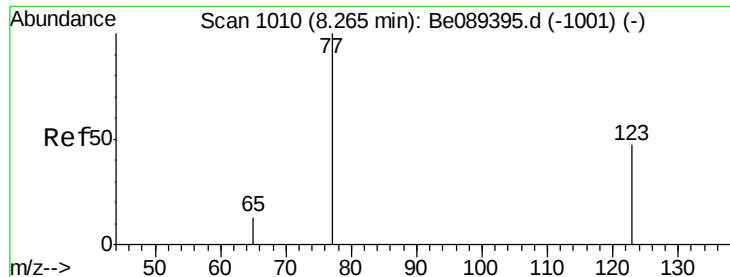


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 7.51 ng

RT: 10.65 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDIC010

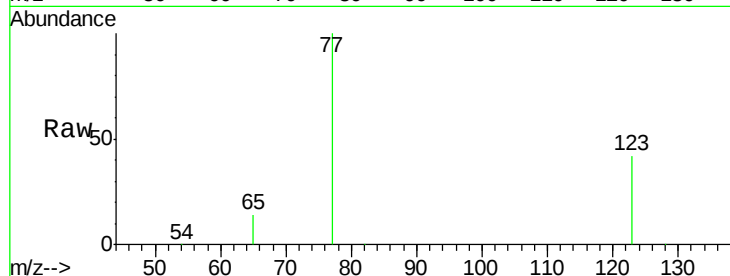
Tgt Ion: 77 Resp: 229216

Ion Ratio Lower Upper

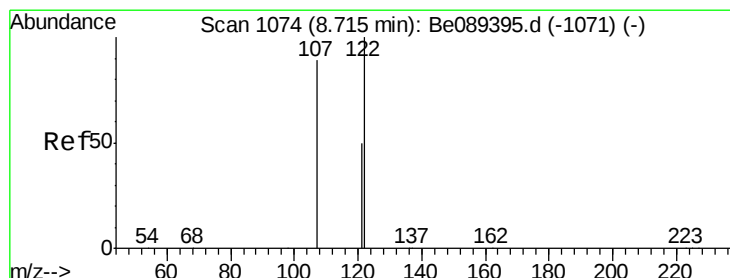
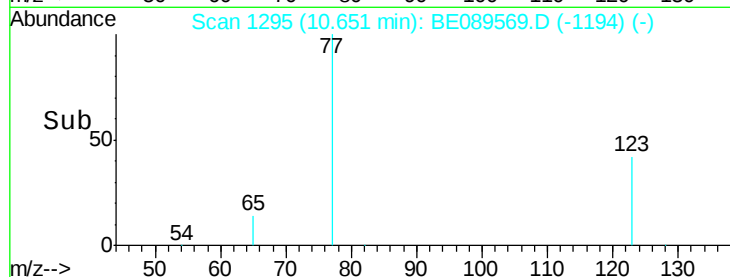
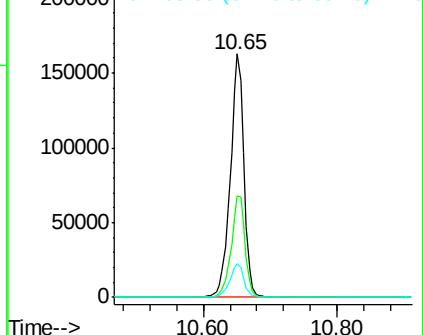
77 100

123 42.5 0.0 0.0#

65 15.1 0.0 0.0#



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: 8.70 ng

RT: 11.59 min Scan# 1428

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

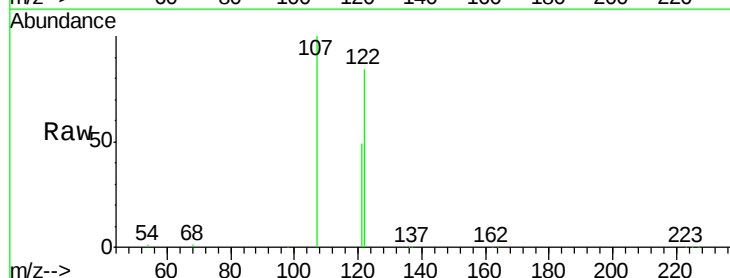
Tgt Ion: 122 Resp: 221465

Ion Ratio Lower Upper

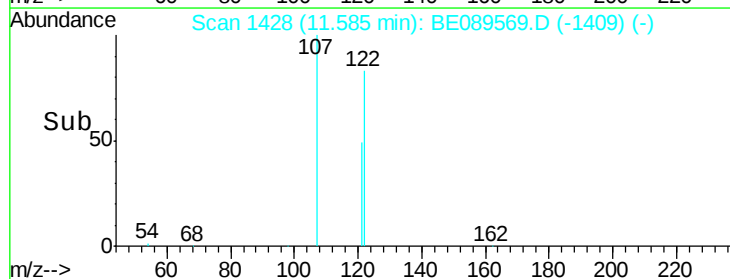
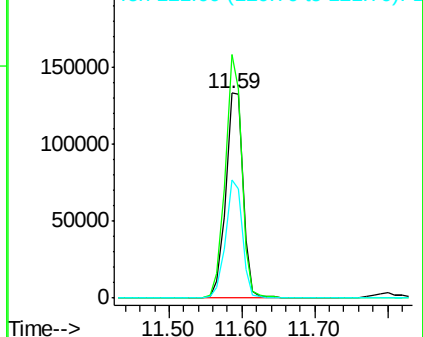
122 100

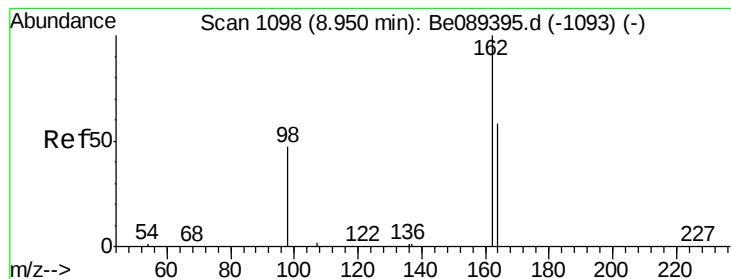
107 118.9 95.1 142.7

121 58.0 46.4 69.6



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





#11

2,4-Dichlorophenol

Concen: 9.55 ng

RT: 11.97 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

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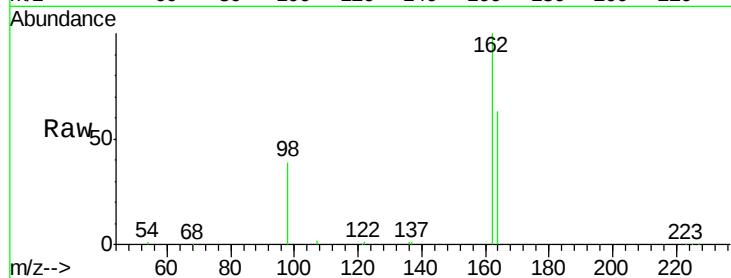
Tgt Ion:162 Resp: 173443

Ion Ratio Lower Upper

162 100

164 62.7 42.7 82.7

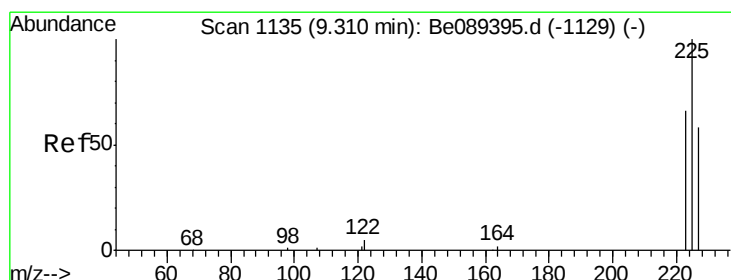
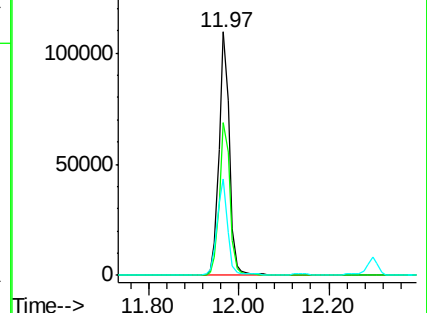
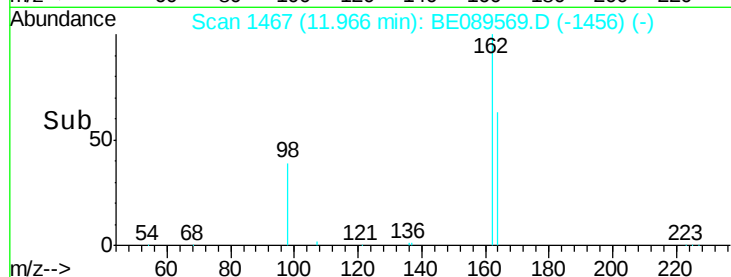
98 39.4 19.4 59.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BE0



#12

Hexachlorobutadiene

Concen: 8.92 ng

RT: 12.64 min Scan# 1536

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

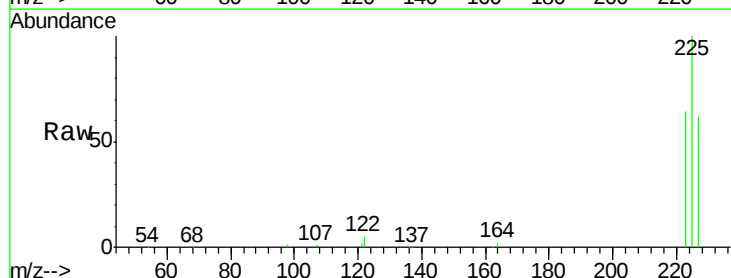
Tgt Ion:225 Resp: 105631

Ion Ratio Lower Upper

225 100

223 62.9 0.0 0.0#

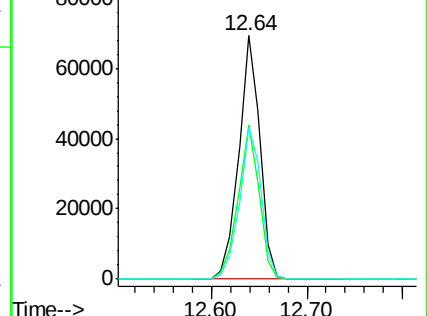
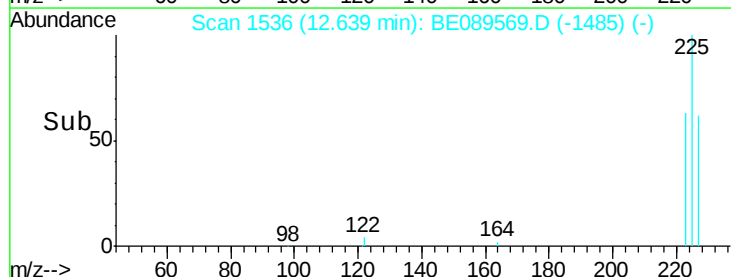
227 63.6 0.0 0.0#

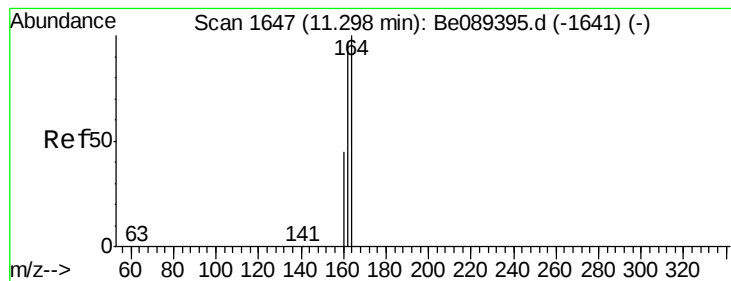


Abundance Ion 225.00 (224.70 to 225.70): E

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# 2803

Delta R.T. 0.00 min

Lab File: BE089569.D

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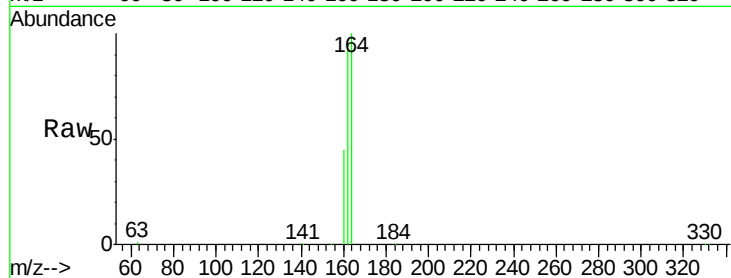
Tgt Ion:164 Resp: 175779

Ion Ratio Lower Upper

164 100

162 97.4 77.9 116.9

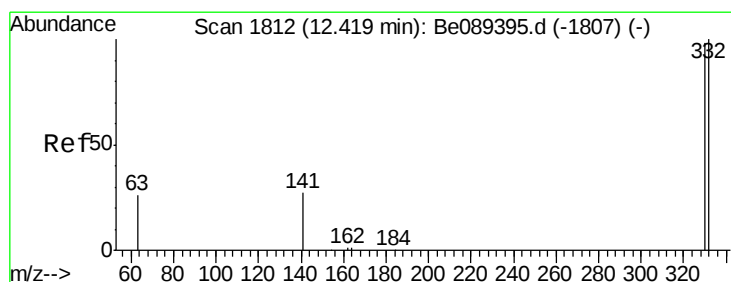
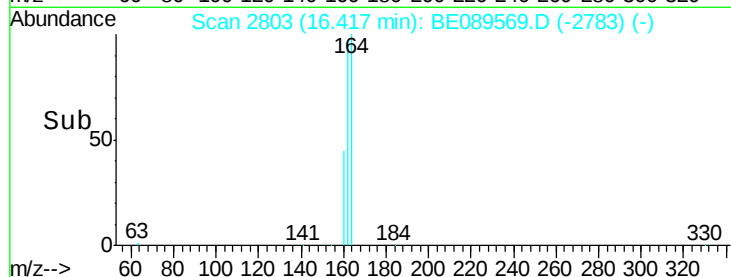
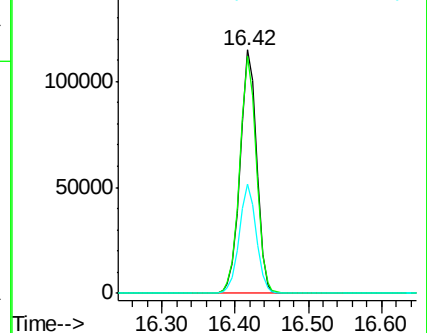
160 44.7 35.8 53.6



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: 13.31 ng

RT: 18.32 min Scan# 3083

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

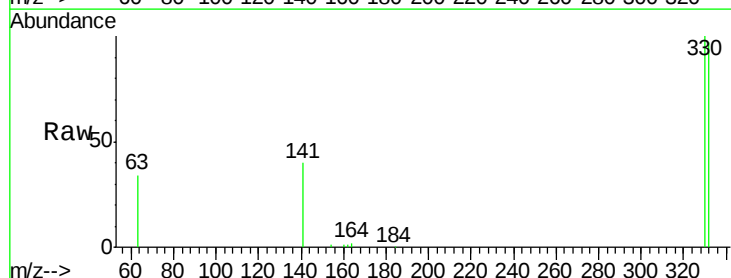
Tgt Ion:330 Resp: 46564

Ion Ratio Lower Upper

330 100

332 97.4 0.0 0.0#

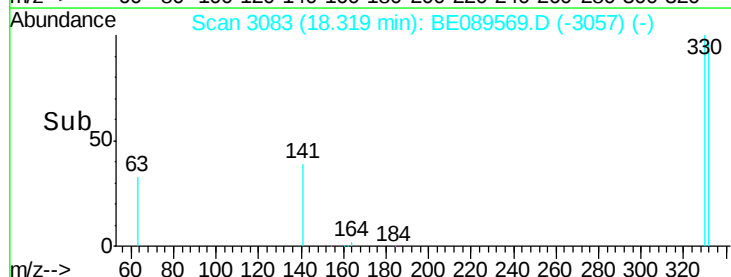
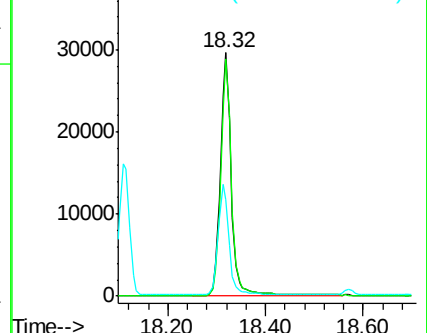
141 45.6 0.0 0.0#

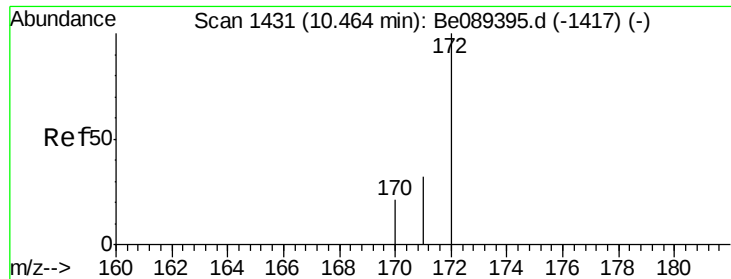


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

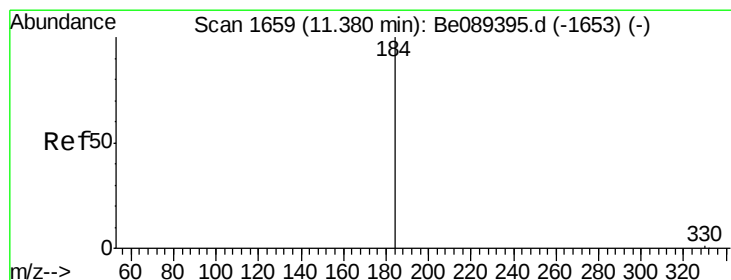
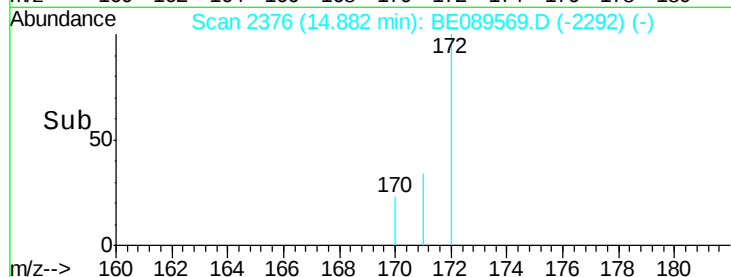
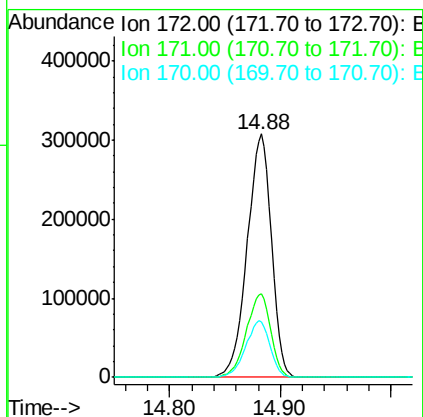
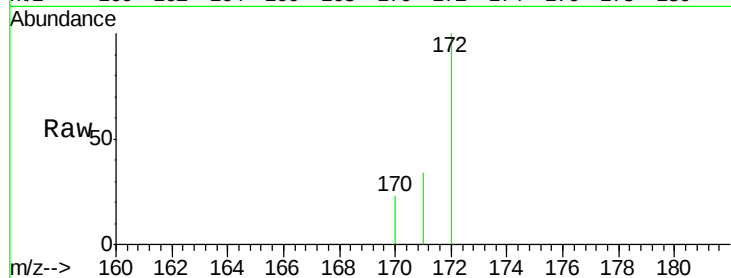




#15
2-Fluorobiphenyl
Concen: 8.29 ng
RT: 14.88 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BE089569.D
Acq: 16 Feb 2015 14:24

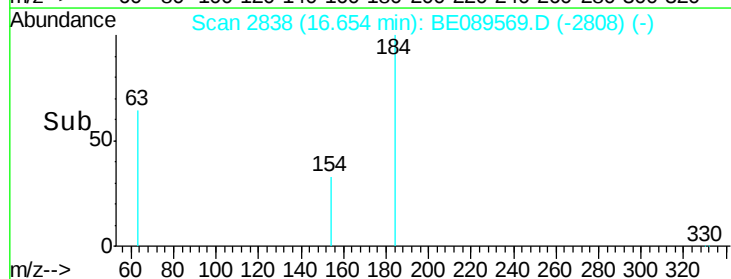
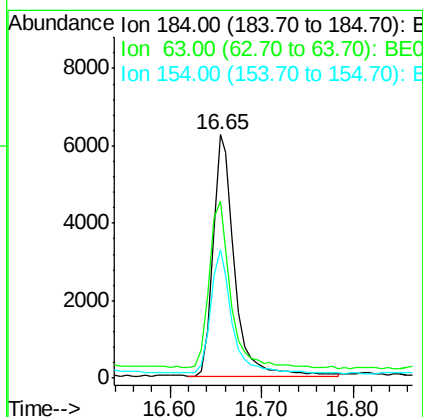
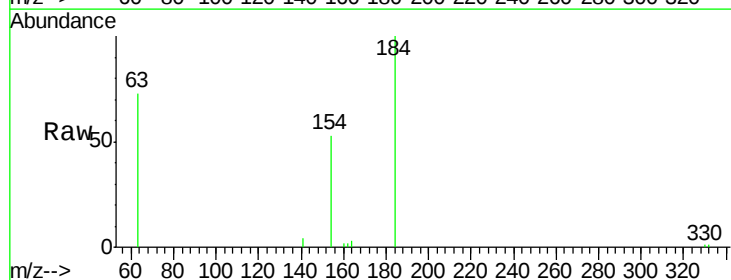
Instrument :
BNA_E
LabSampleId :
SSTDICC010

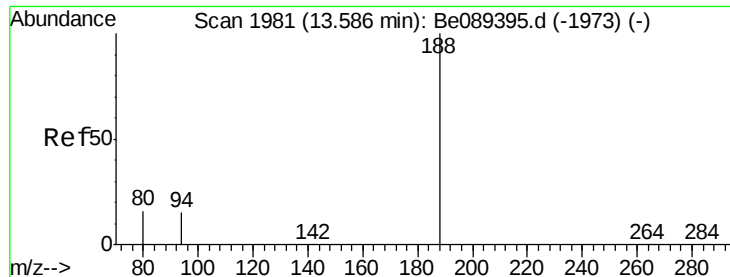
Tgt Ion:172 Resp: 454811
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 22.9 18.3 27.5



#16
2,4-Dinitrophenol
Concen: 8.54 ng
RT: 16.65 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BE089569.D
Acq: 16 Feb 2015 14:24

Tgt Ion:184 Resp: 10253
Ion Ratio Lower Upper
184 100
63 72.6 58.1 87.1
154 52.5 42.0 63.0

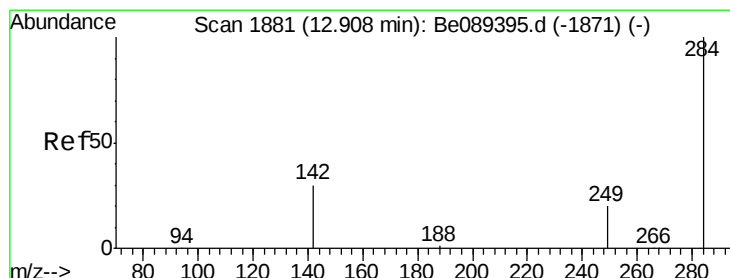
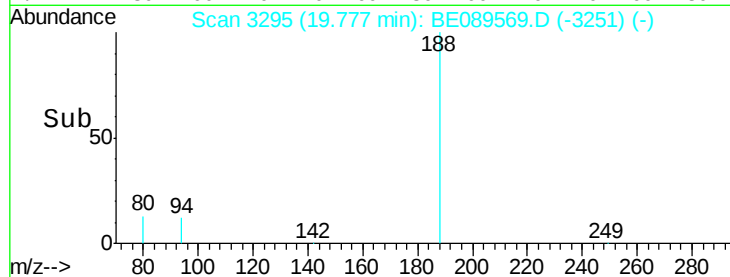
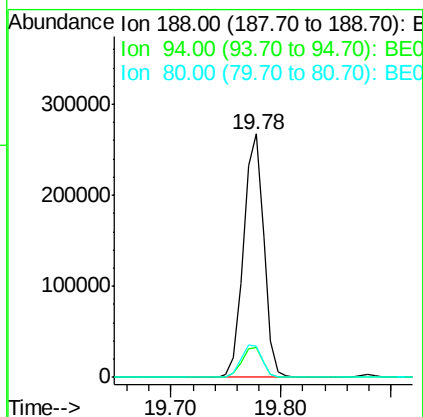
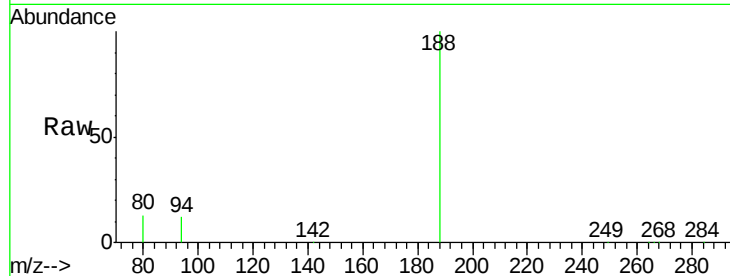




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.78 min Scan# 3295
Delta R.T. 0.00 min
Lab File: BE089569.D
Acq: 16 Feb 2015 14:24

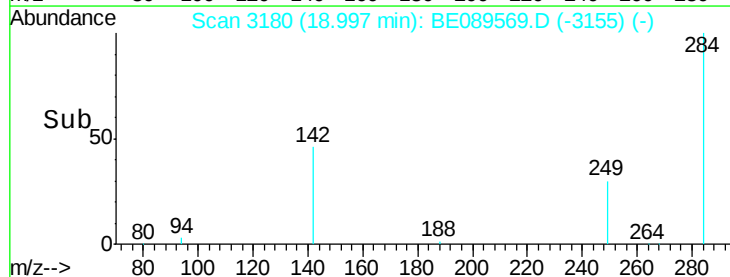
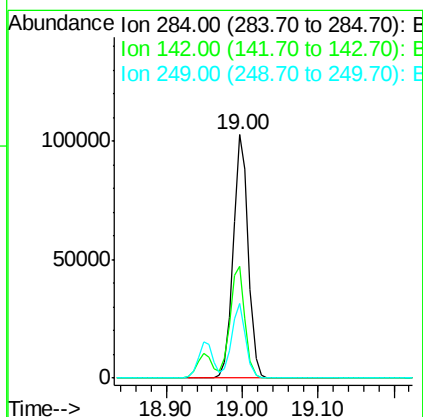
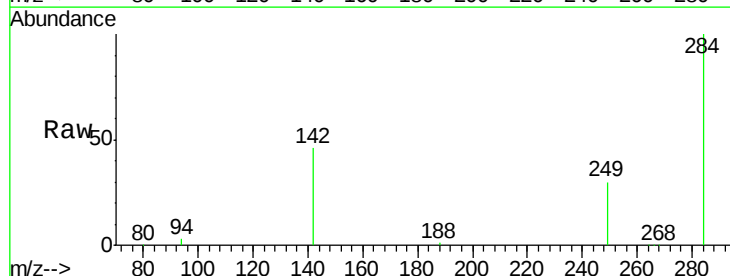
Instrument :
BNA_E
LabSampleId :
SSTDIC010

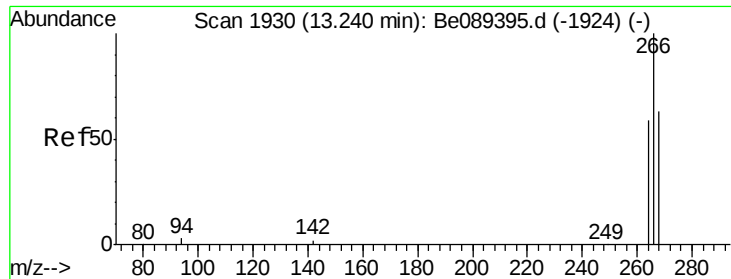
Tgt Ion:188 Resp: 338549
Ion Ratio Lower Upper
188 100
94 12.1 9.7 14.5
80 12.8 10.2 15.4



#18
Hexachlorobenzene
Concen: 8.21 ng
RT: 19.00 min Scan# 3180
Delta R.T. 0.00 min
Lab File: BE089569.D
Acq: 16 Feb 2015 14:24

Tgt Ion:284 Resp: 137624
Ion Ratio Lower Upper
284 100
142 45.7 36.6 54.8
249 30.5 24.4 36.6

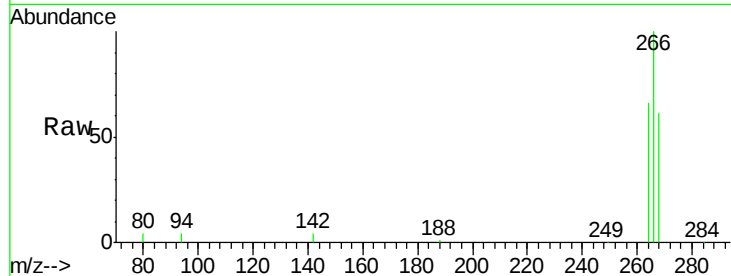




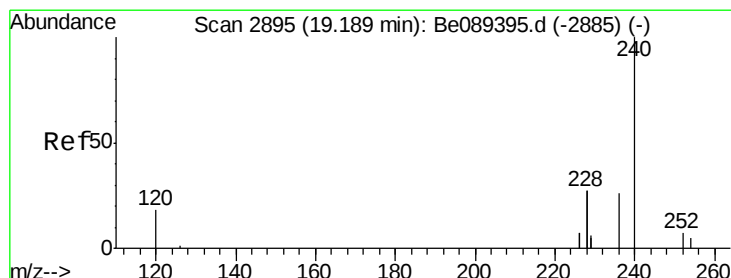
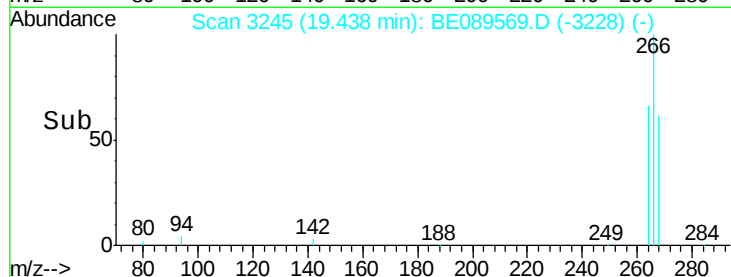
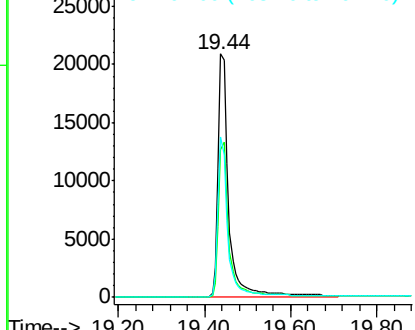
#19
 Pentachlorophenol
 Concen: 11.59 ng
 RT: 19.44 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: BE089569.D
 Acq: 16 Feb 2015 14:24

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Tgt Ion:266 Resp: 36287
 Ion Ratio Lower Upper
 266 100
 268 60.7 48.6 72.8
 264 65.7 52.6 78.8

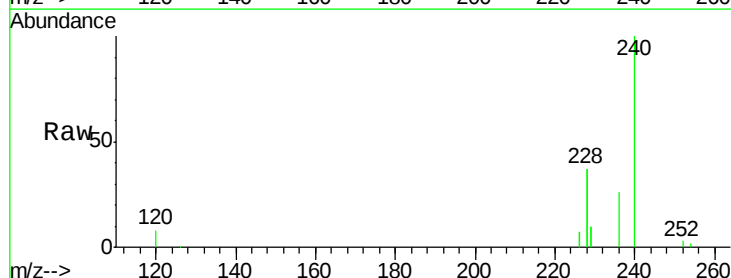


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

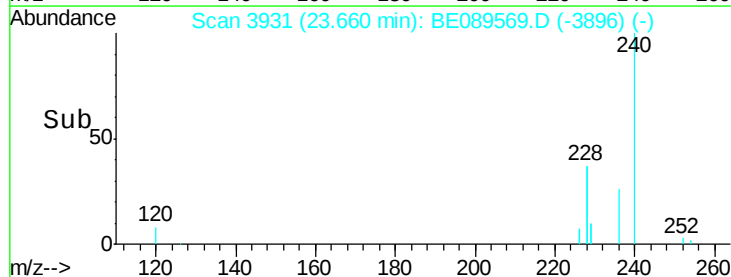
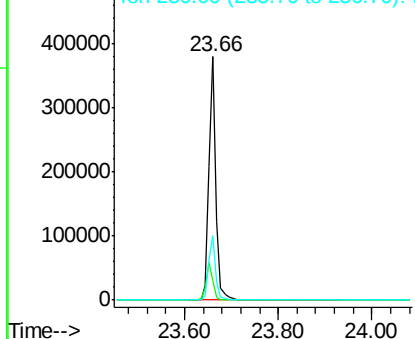


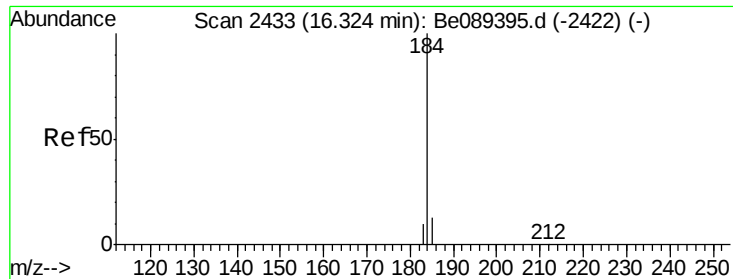
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3931
 Delta R.T. 0.00 min
 Lab File: BE089569.D
 Acq: 16 Feb 2015 14:24

Tgt Ion:240 Resp: 399164
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.6 9.8
 236 26.4 21.1 31.7



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: 14.62 ng

RT: 21.96 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDICC010

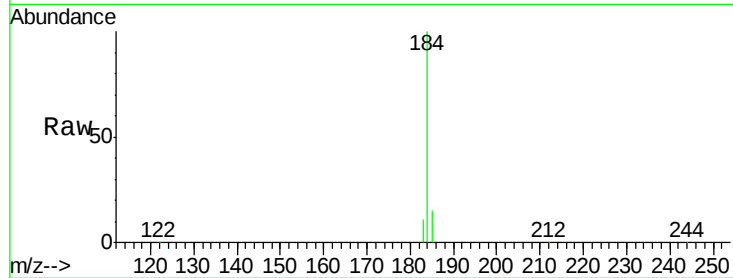
Tgt Ion:184 Resp: 481259

Ion Ratio Lower Upper

184 100

185 14.8 11.8 17.8

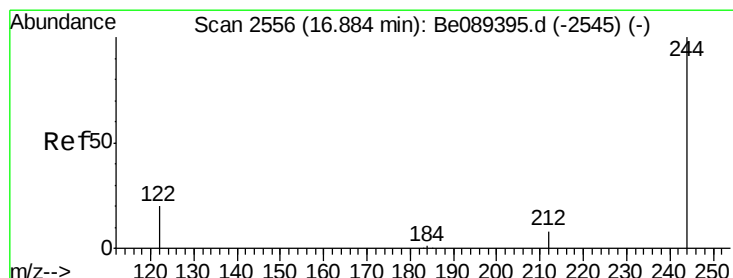
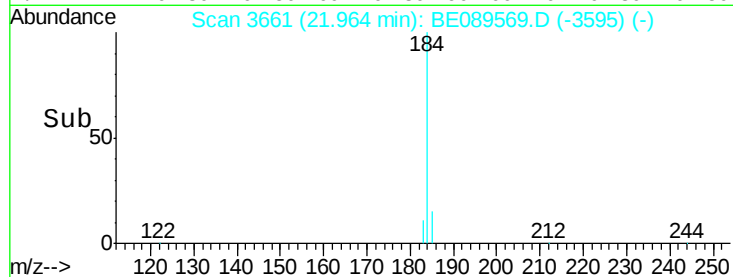
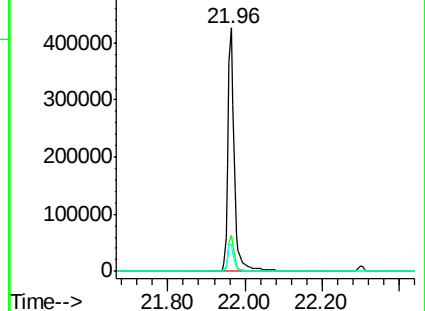
183 11.3 9.0 13.6



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: 14.72 ng

RT: 22.30 min Scan# 3735

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

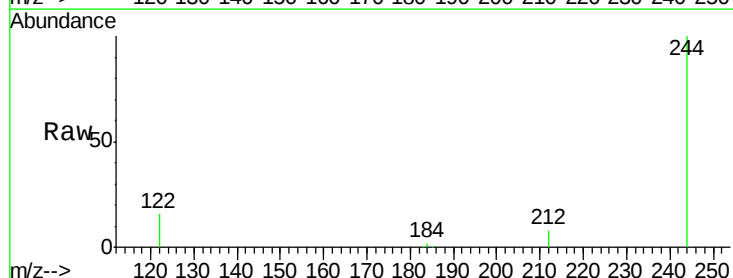
Tgt Ion:244 Resp: 560705

Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

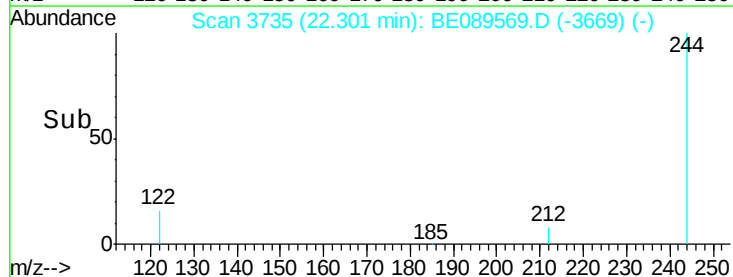
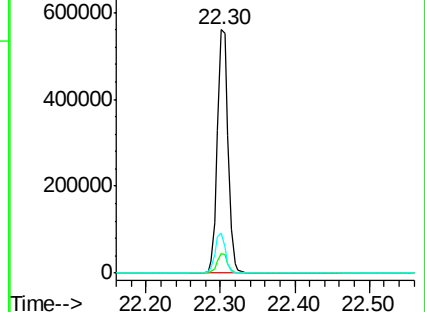
122 16.4 13.1 19.7

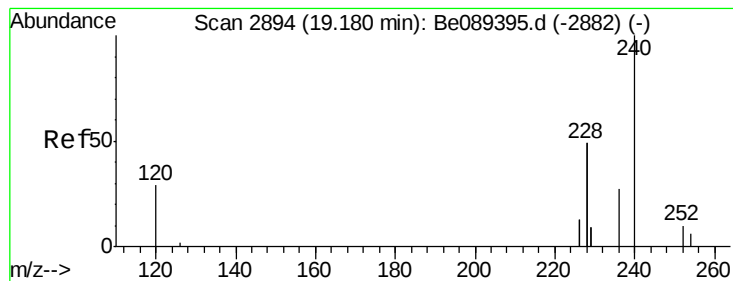


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 14.78 ng

RT: 23.64 min Scan# 3929

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDICC010

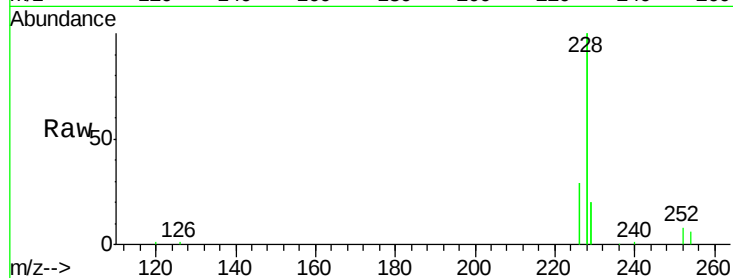
Tgt Ion:228 Resp: 4171320

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.0

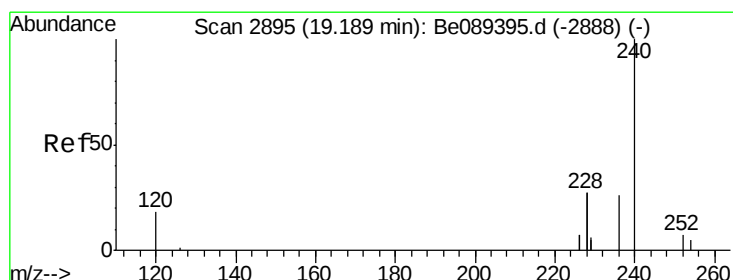
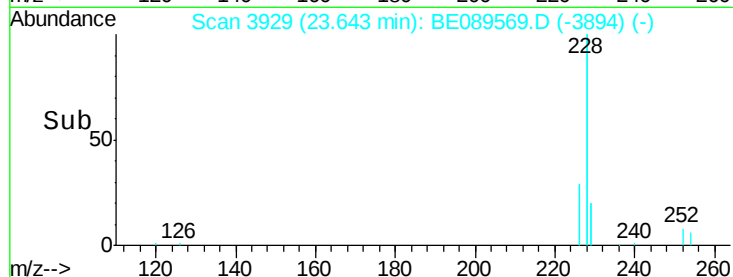
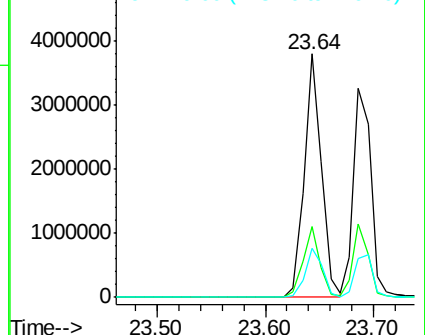
229 20.1 16.1 24.1



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: 13.66 ng

RT: 23.63 min Scan# 3928

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

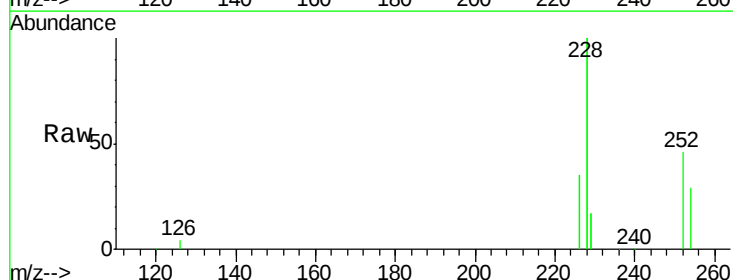
Tgt Ion:252 Resp: 369443

Ion Ratio Lower Upper

252 100

254 63.1 50.5 75.7

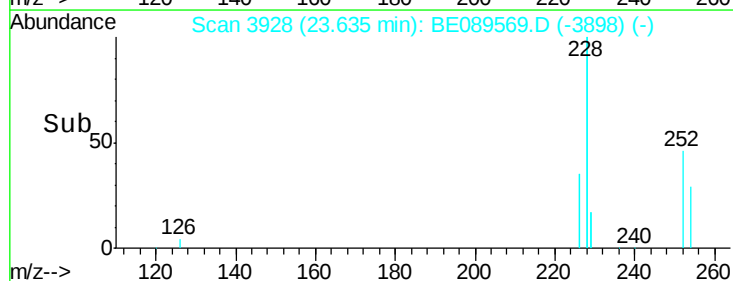
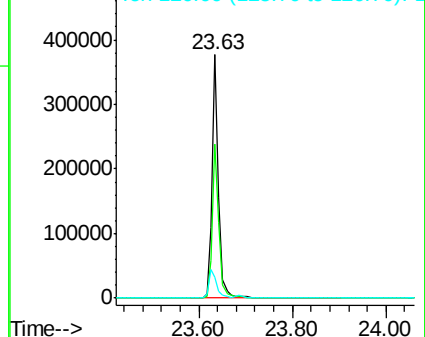
126 8.8 7.0 10.6

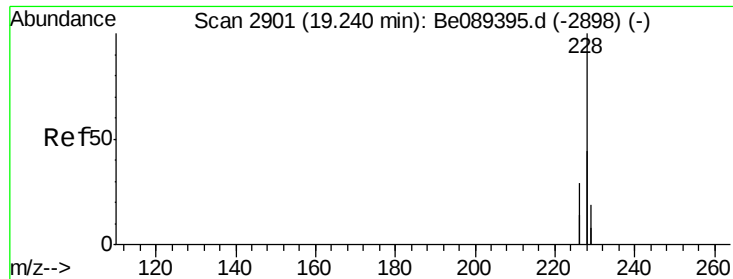


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 7.94 ng

RT: 23.69 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDIC010

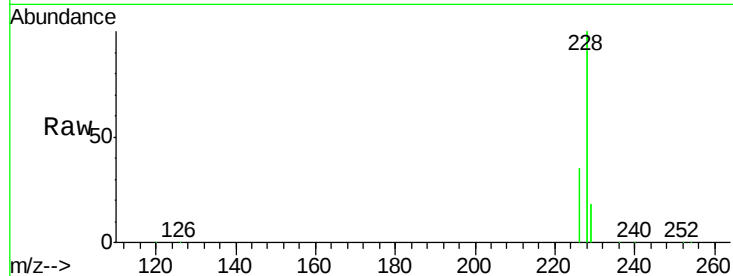
Tgt Ion:228 Resp: 3712830

Ion Ratio Lower Upper

228 100

226 34.7 27.8 41.6

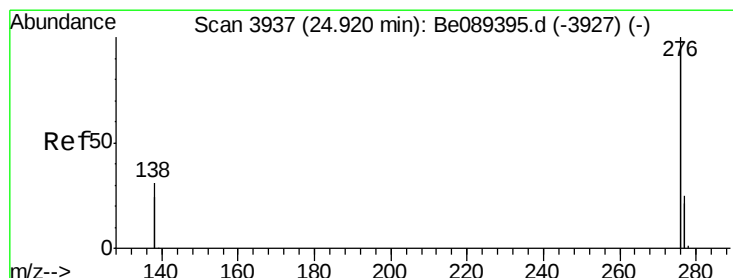
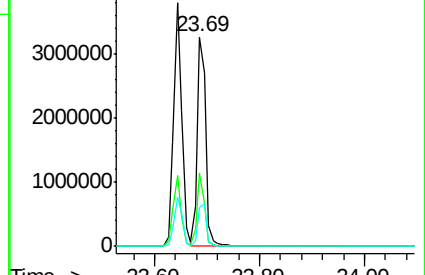
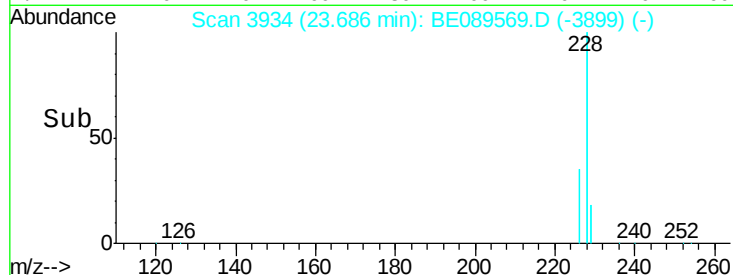
229 18.5 14.8 22.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 5.18 ng

RT: 26.75 min Scan# 4546

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

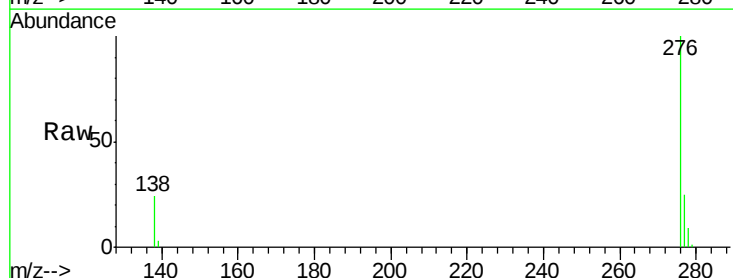
Tgt Ion:276 Resp: 1138501

Ion Ratio Lower Upper

276 100

138 29.0 0.0 0.0#

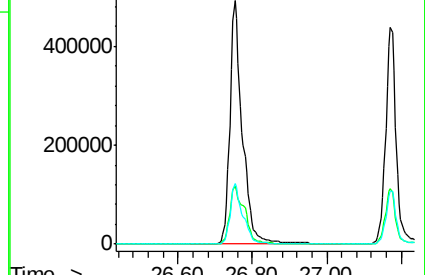
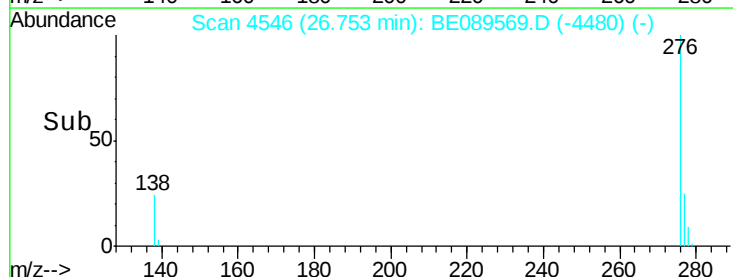
277 25.7 0.0 0.0#

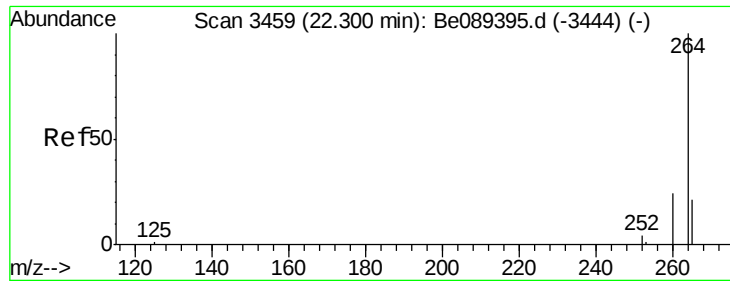


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

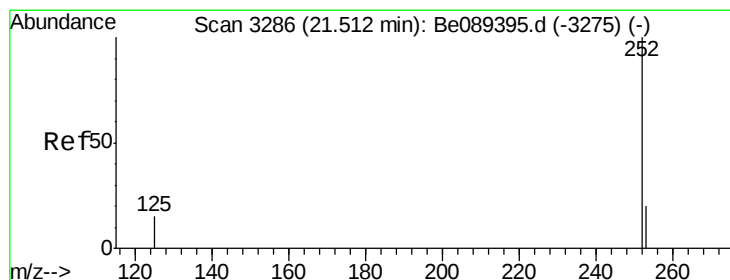
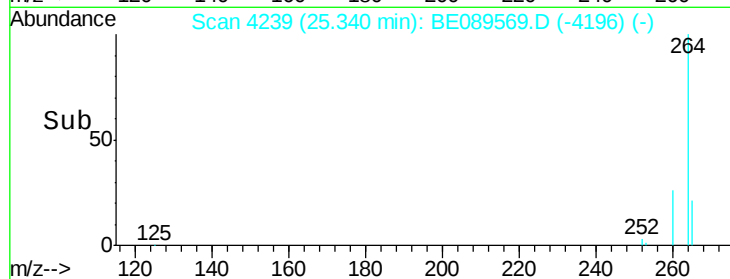
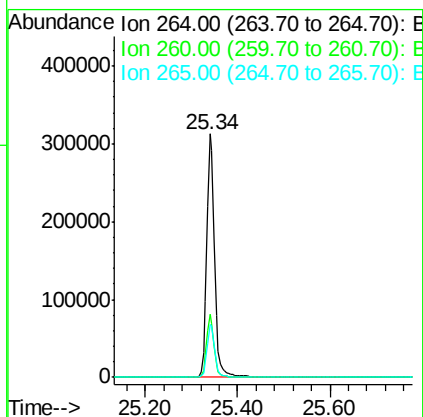
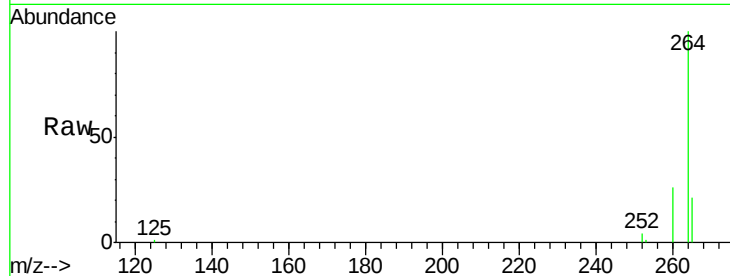




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4239
 Delta R.T. 0.00 min
 Lab File: BE089569.D
 Acq: 16 Feb 2015 14:24

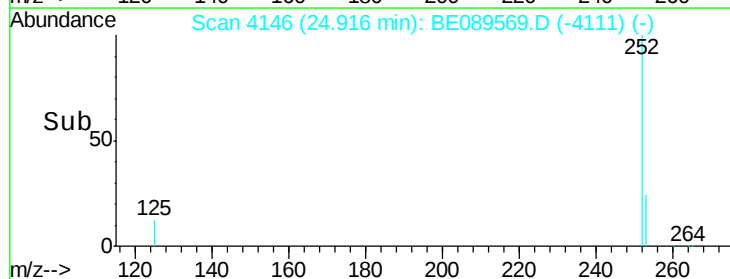
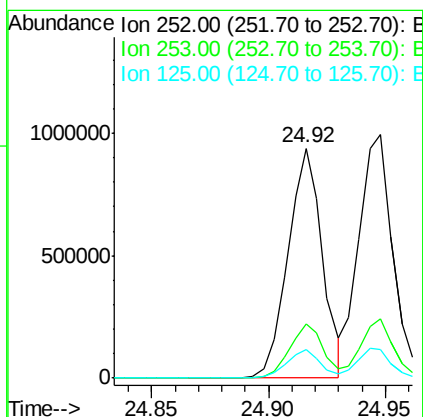
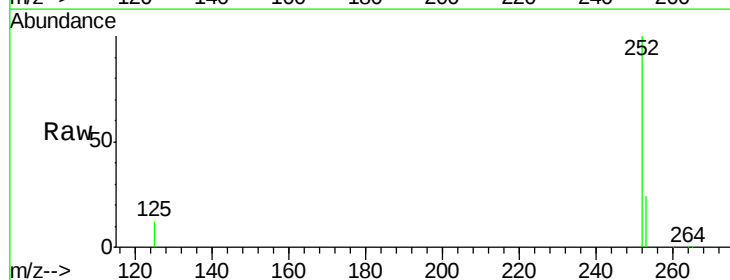
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

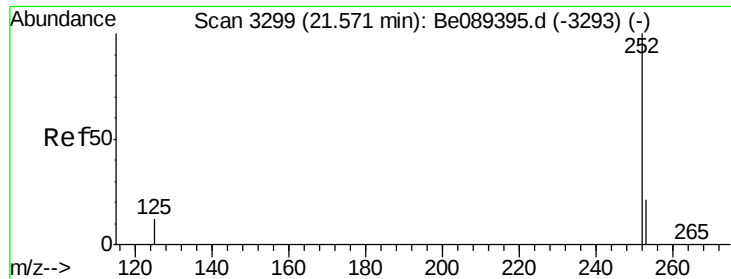
Tgt Ion: 264 Resp: 365053
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.6 30.8
 265 21.5 17.2 25.8



#28
Benzo(b)fluoranthene
 Concen: 30.01 ng
 RT: 24.92 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: BE089569.D
 Acq: 16 Feb 2015 14:24

Tgt Ion: 252 Resp: 961198
 Ion Ratio Lower Upper
 252 100
 253 23.6 18.9 28.3
 125 12.4 9.9 14.9





#29

Benzo(k)fluoranthene

Concen: 13.90 ng

RT: 24.95 min Scan# 4153

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDIC010

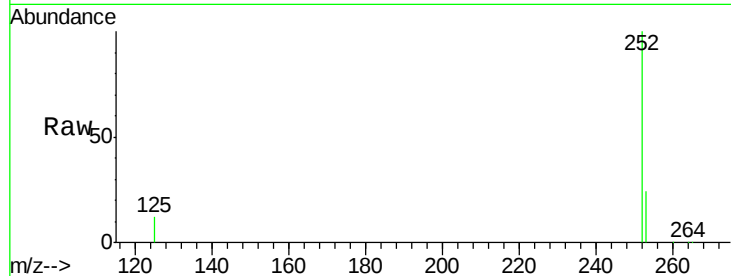
Tgt Ion:252 Resp: 1055603

Ion Ratio Lower Upper

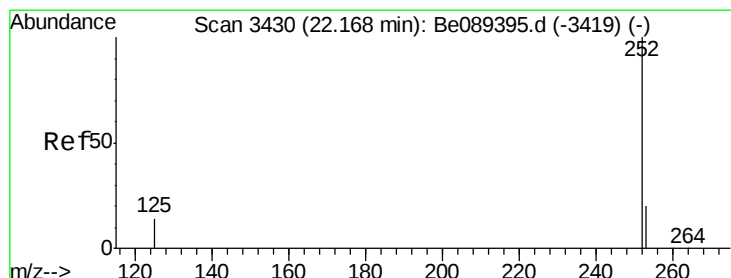
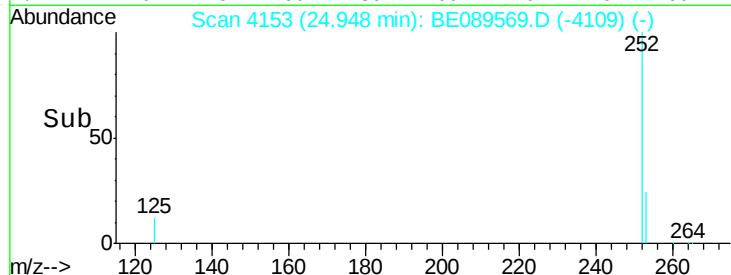
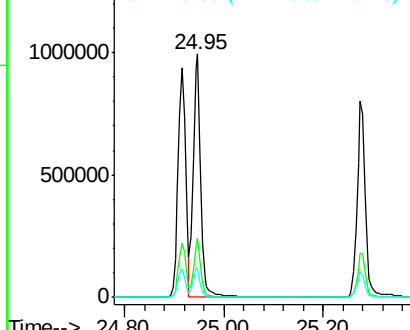
252 100

253 24.4 19.5 29.3

125 11.8 9.4 14.2



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: 22.02 ng

RT: 25.28 min Scan# 4225

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

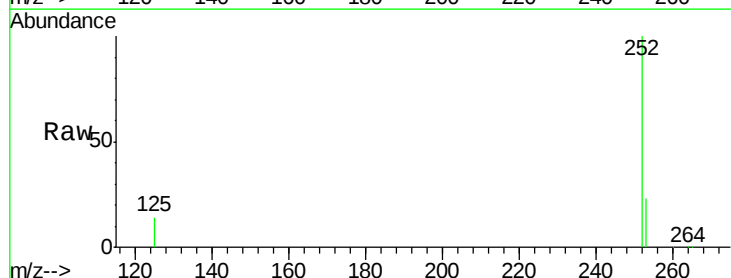
Tgt Ion:252 Resp: 907150

Ion Ratio Lower Upper

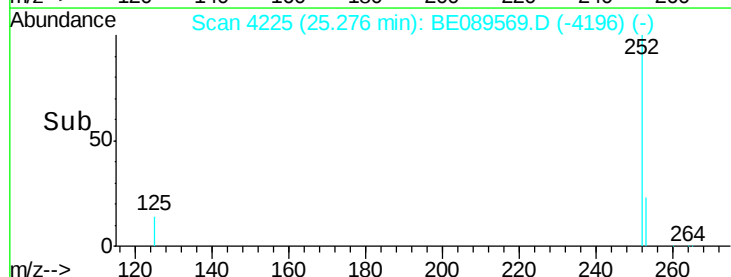
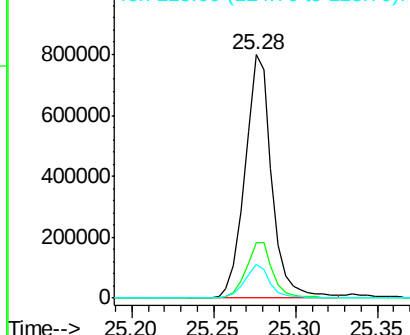
252 100

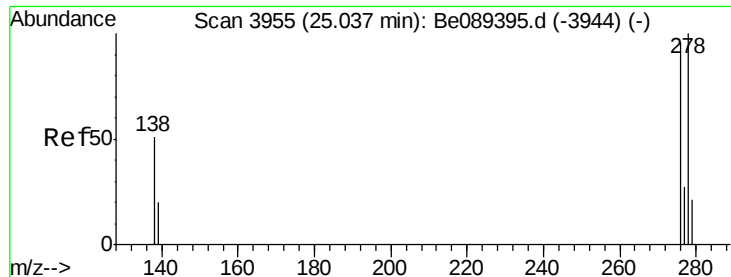
253 22.5 18.0 27.0

125 13.6 10.9 16.3



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





#31

Dibenzo(a,h)anthracene

Concen: 25.55 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BE089569.D

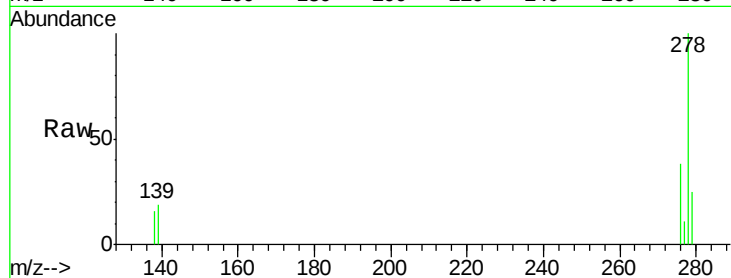
Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDICC010



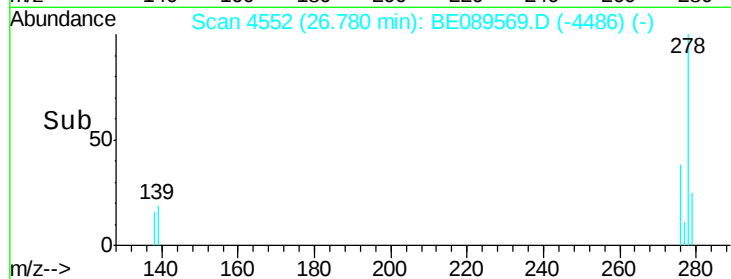
Tgt Ion: 278 Resp: 915112

Ion Ratio Lower Upper

278 100

139 19.4 15.5 23.3

279 24.8 19.8 29.8



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

