

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021615\
 Data File : BE089582.D
 Acq On : 16 Feb 2015 23:42
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Quant Time: Feb 17 02:05:52 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 17 01:13:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	64999	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	260826	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	125288	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	241309	5.00	ng	0.00
20) Chrysene-d12	23.66	240	279108	5.00	ng	0.00
27) Perylene-d12	25.34	264	268427	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.51	112	18386	1.00	ng	0.00
4) Phenol-d6	8.62	99	24050	0.98	ng	0.00
8) Nitrobenzene-d5	10.61	82	12822	1.20	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	2986	1.05	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	34413	1.02	ng	0.00
22) Terphenyl-d14	22.30	244	38557	1.02	ng	0.00

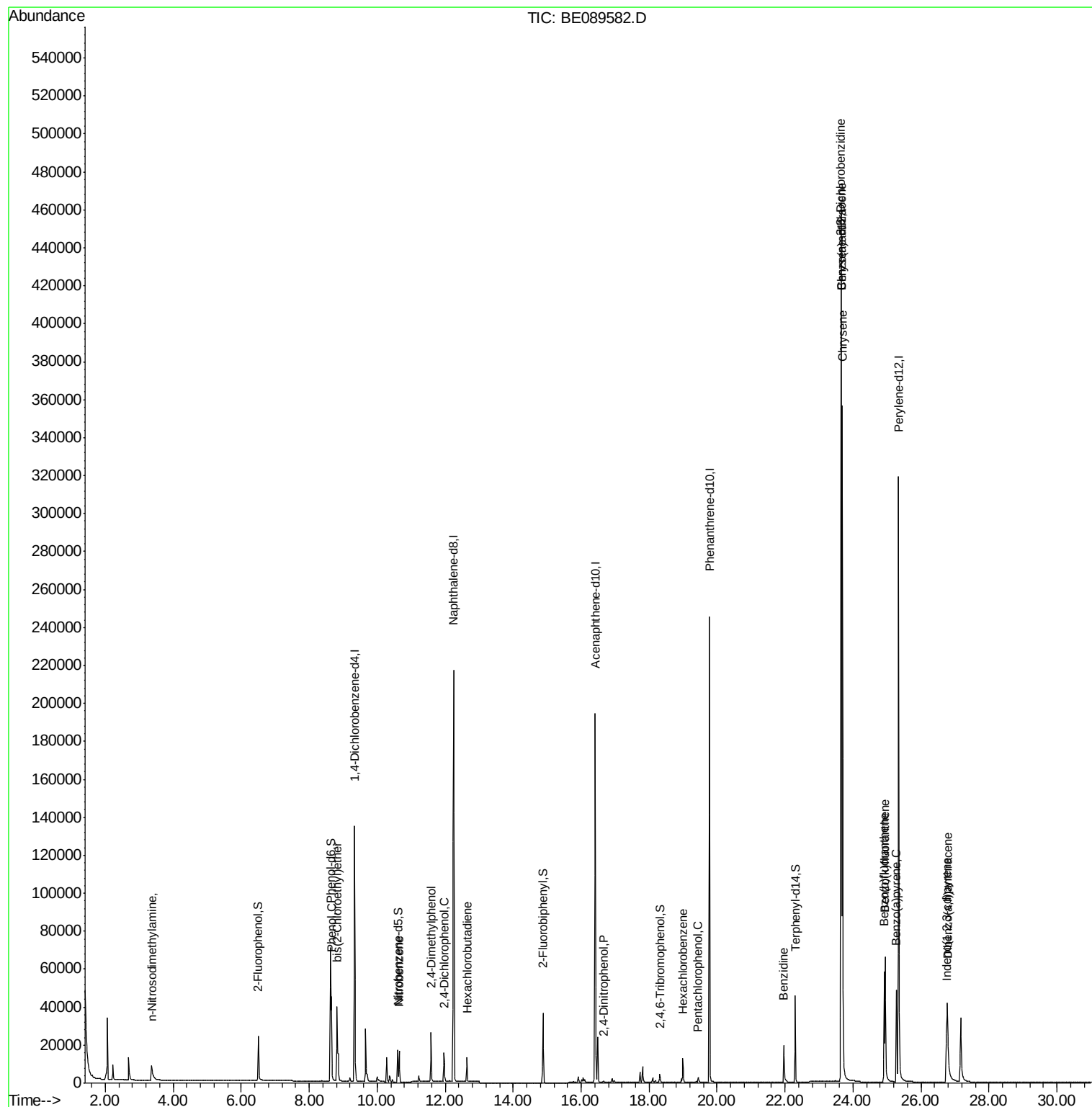
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.35	42	7952	0.83	ng	93
5) Phenol	8.65	94	25848	0.98	ng	97
6) bis(2-Chloroethyl)ether	8.83	93	19350	0.96	ng	# 95
9) Nitrobenzene	10.65	77	15006	1.10	ng	96
10) 2,4-Dimethylphenol	11.59	122	14703	0.98	ng	99
11) 2,4-Dichlorophenol	11.97	162	12092	1.03	ng	100
12) Hexachlorobutadiene	12.64	225	8033	1.01	ng	100
16) 2,4-Dinitrophenol	16.66	184	540	1.33	ng	96
18) Hexachlorobenzene	19.00	284	10451	1.03	ng	98
19) Pentachlorophenol	19.44	266	2141	1.13	ng	97
21) Benzidine	21.96	184	24828	0.98	ng	100
23) Benzo(a)anthracene	23.64	228	270517	1.01	ng	99
24) 3,3'-Dichlorobenzidine	23.64	252	18342	0.93	ng	98
25) Chrysene	23.69	228	271484	1.01	ng	100
26) Indeno(1,2,3-cd)pyrene	26.75	276	66499	0.97	ng	# 83
28) Benzo(b)fluoranthene	24.92	252	52131	0.91	ng	99
29) Benzo(k)fluoranthene	24.94	252	75087	1.04	ng	98
30) Benzo(a)pyrene	25.27	252	50505	0.92	ng	99
31) Dibenzo(a,h)anthracene	26.78	278	52526	0.94	ng	99

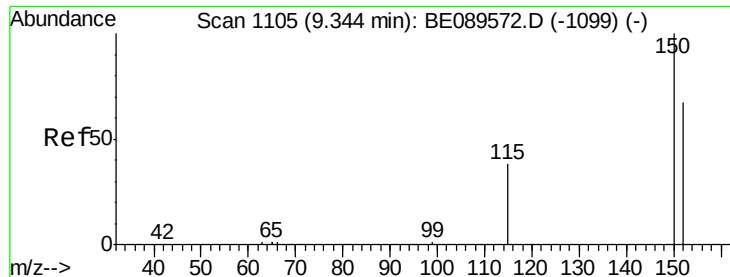
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

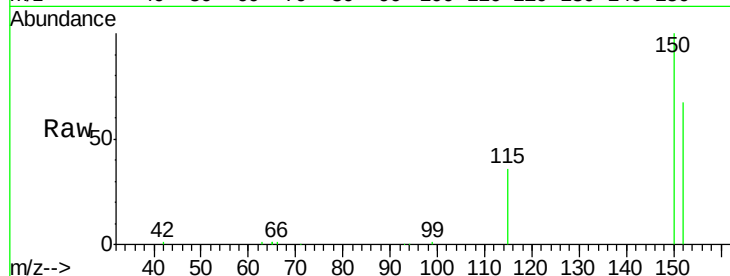
Tgt Ion: 152 Resp: 64999

Ion Ratio Lower Upper

152 100

150 149.2 120.2 180.2

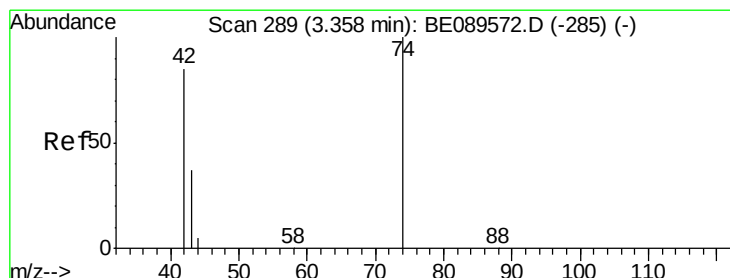
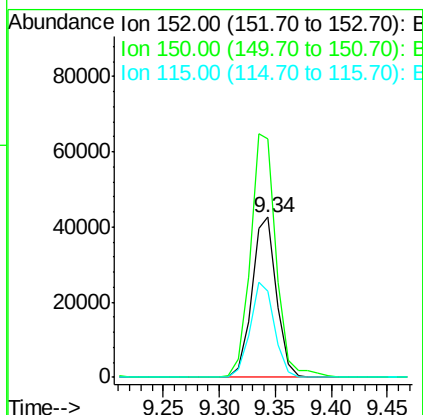
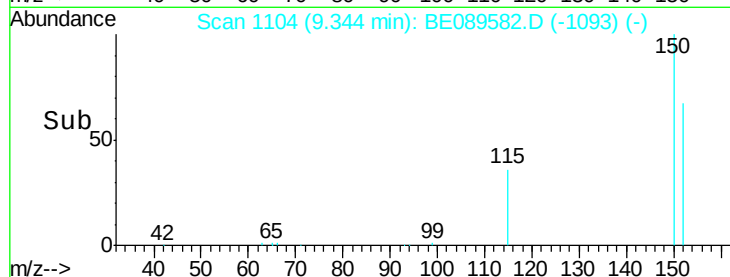
115 54.1 45.2 67.8



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: 0.83 ng

RT: 3.35 min Scan# 288

Delta R.T. -0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

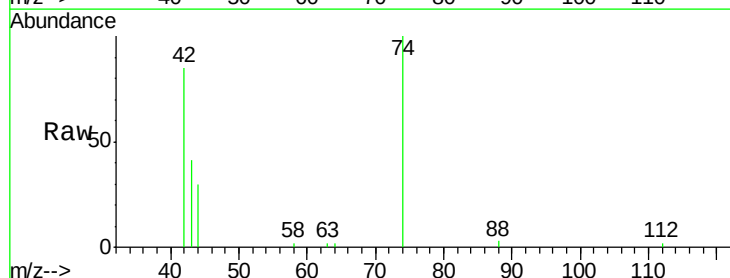
Tgt Ion: 42 Resp: 7952

Ion Ratio Lower Upper

42 100

74 117.4 90.1 135.1

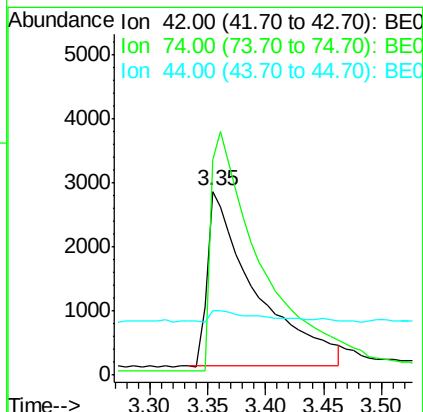
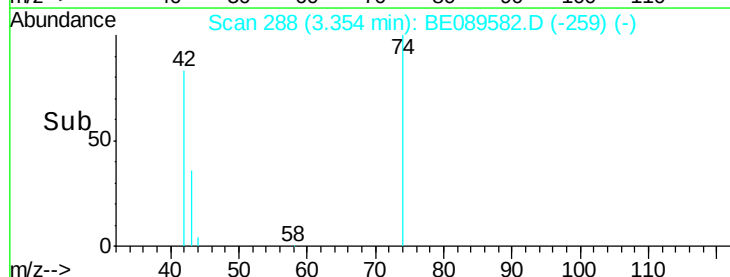
44 35.3 35.0 52.4

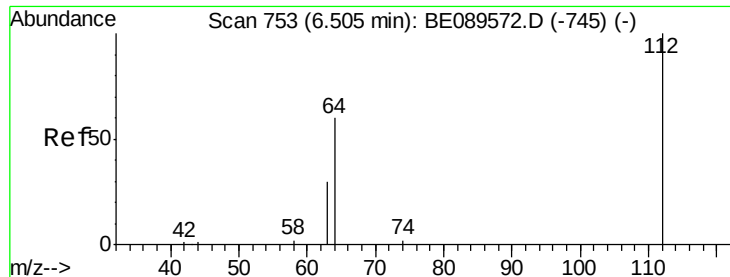


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

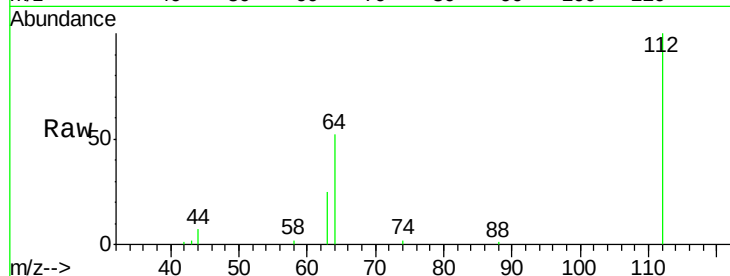




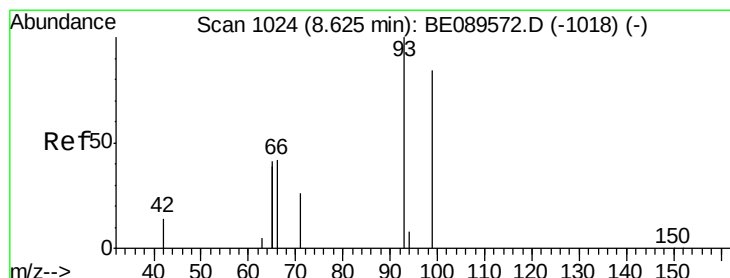
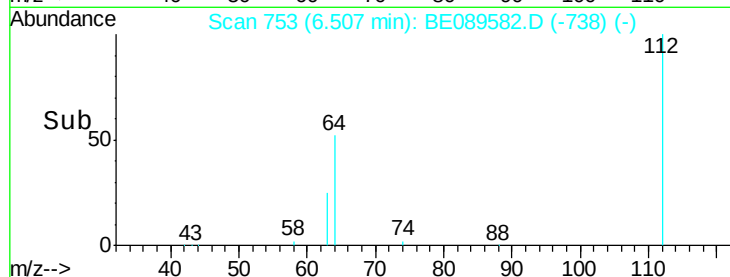
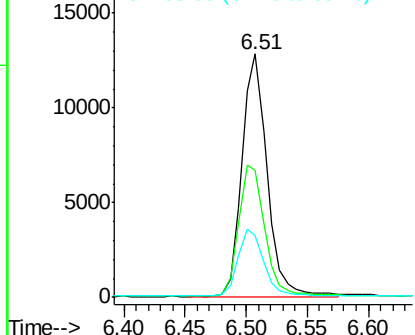
#3
 2-Fluorophenol
 Concen: 1.00 ng
 RT: 6.51 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: BE089582.D
 Acq: 16 Feb 2015 23:42

Instrument :
 BNA_E
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 SSTDCCC001

Tgt Ion: 112 Resp: 18386
 Ion Ratio Lower Upper
 112 100
 64 52.0 48.6 72.8
 63 25.5 24.6 37.0

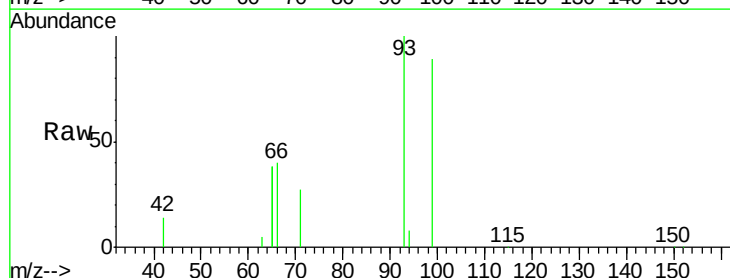


Abundance Ion 112.00 (111.70 to 112.70): BE0
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0

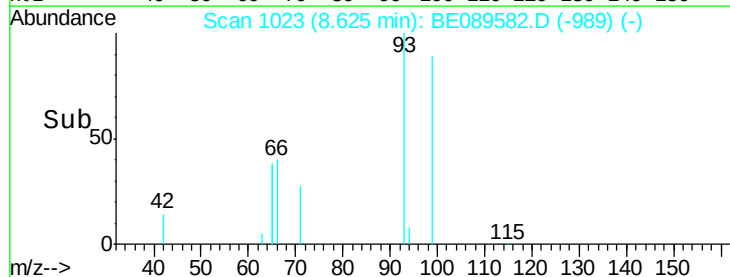
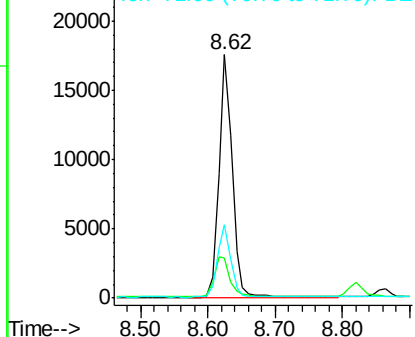


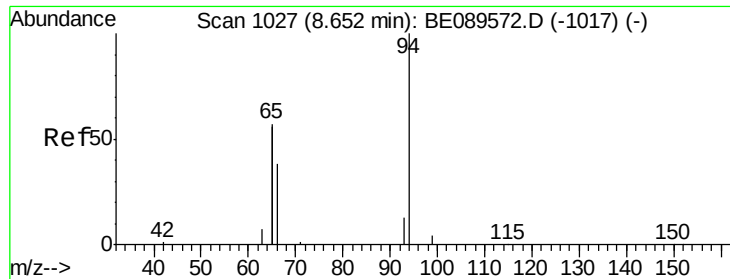
#4
 Phenol-d6
 Concen: 0.98 ng
 RT: 8.62 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BE089582.D
 Acq: 16 Feb 2015 23:42

Tgt Ion: 99 Resp: 24050
 Ion Ratio Lower Upper
 99 100
 42 16.2 13.9 20.9
 71 30.4 25.2 37.8



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: 0.98 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

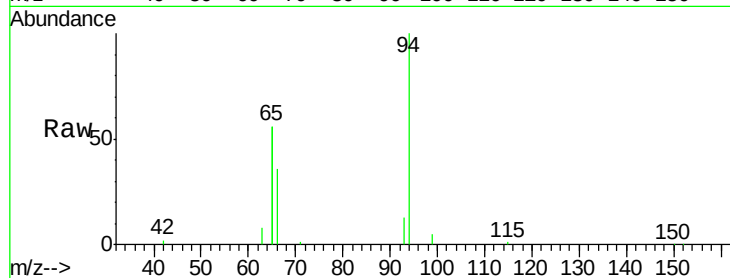
Tgt Ion: 94 Resp: 25848

Ion Ratio Lower Upper

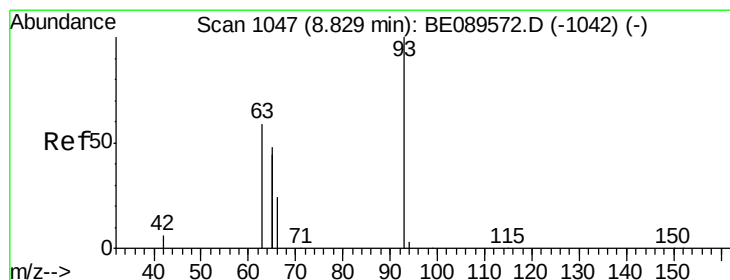
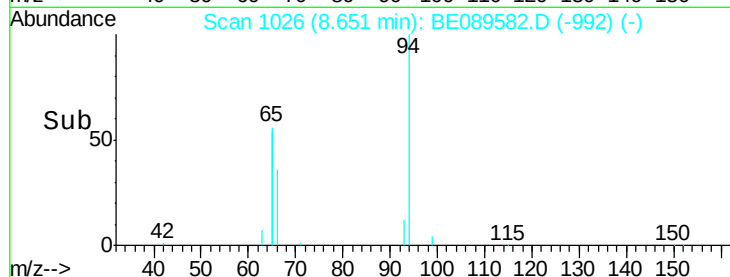
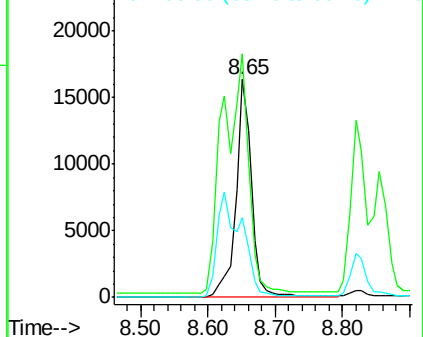
94 100

65 111.8 94.5 134.5

66 36.5 18.2 58.2



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: 0.96 ng

RT: 8.83 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

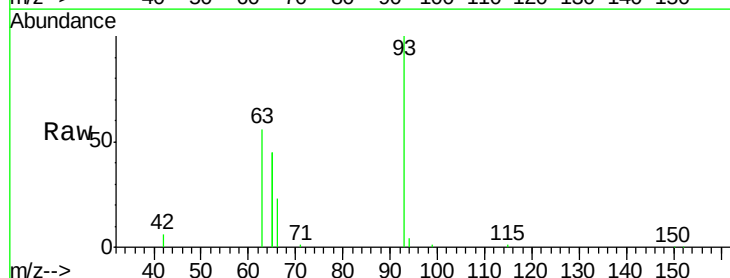
Tgt Ion: 93 Resp: 19350

Ion Ratio Lower Upper

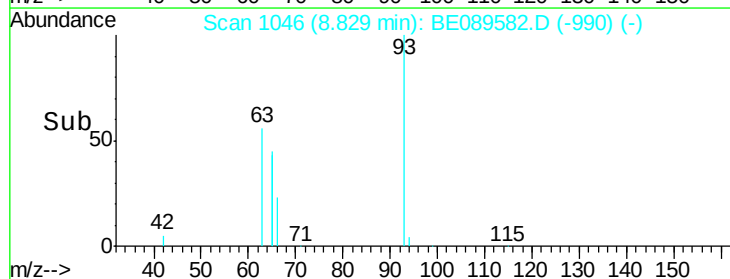
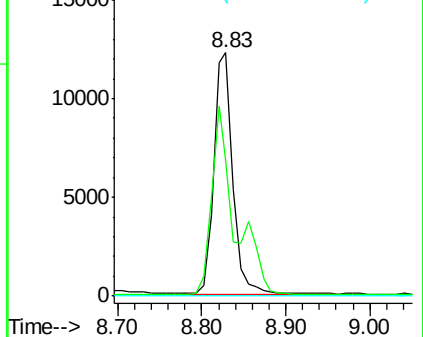
93 100

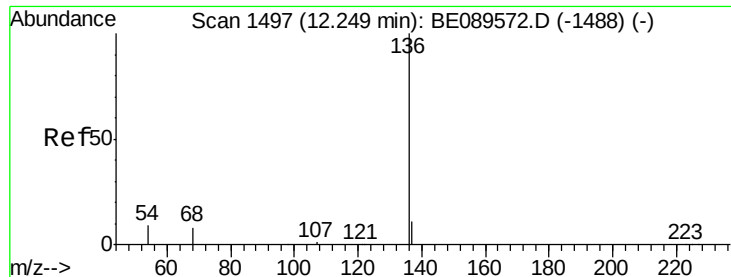
63 96.6 81.7 122.5

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: 12.25 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

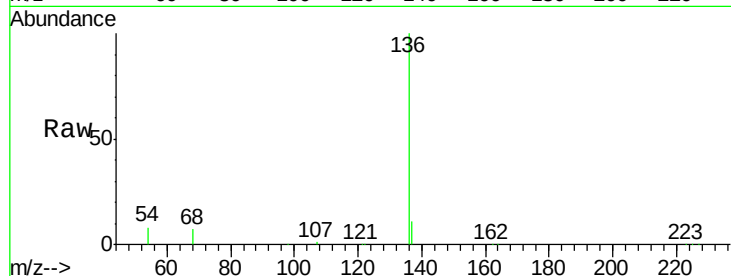
Tgt Ion:136 Resp: 260826

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

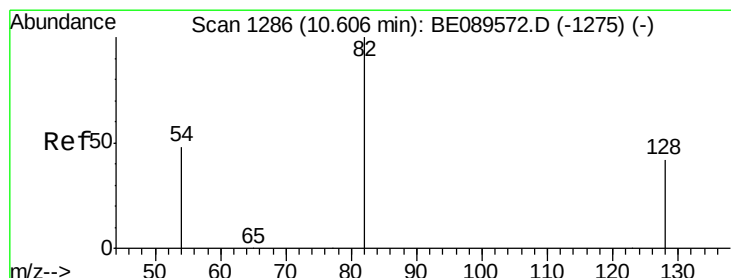
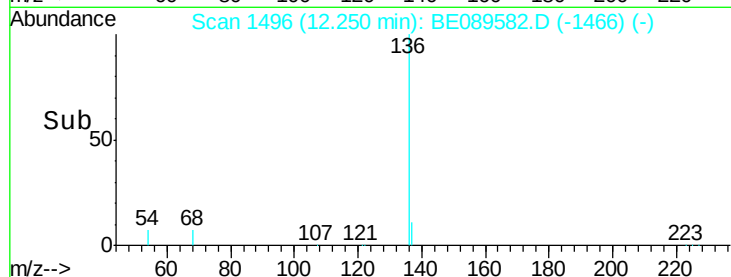
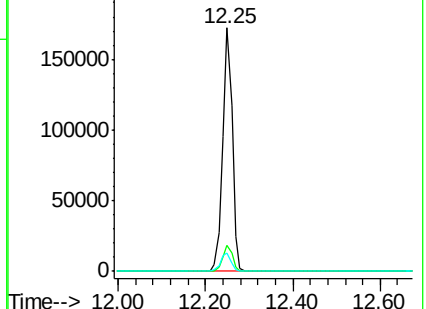
54 7.5 7.0 10.4



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: 1.20 ng

RT: 10.61 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

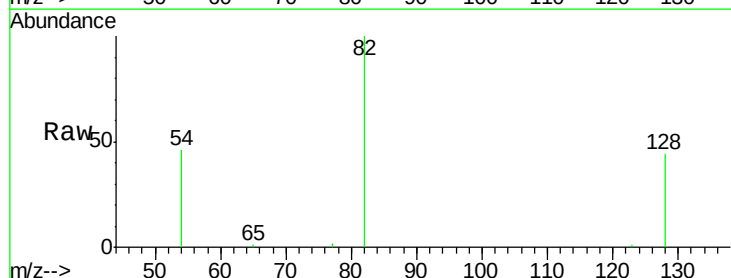
Tgt Ion: 82 Resp: 12822

Ion Ratio Lower Upper

82 100

128 44.0 33.8 50.6

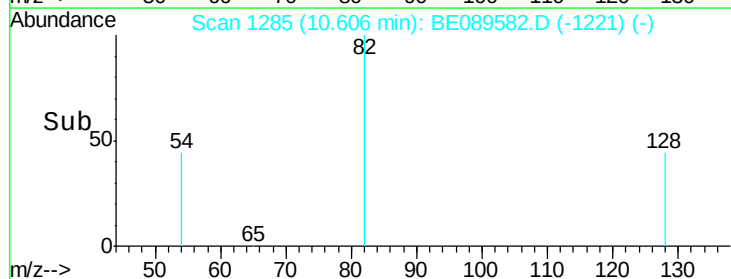
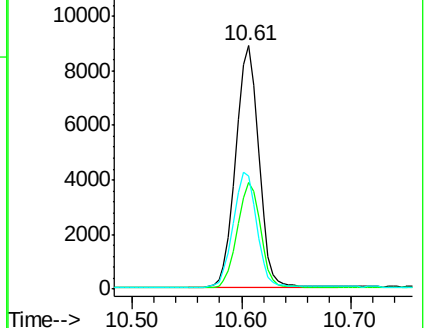
54 46.4 39.0 58.6

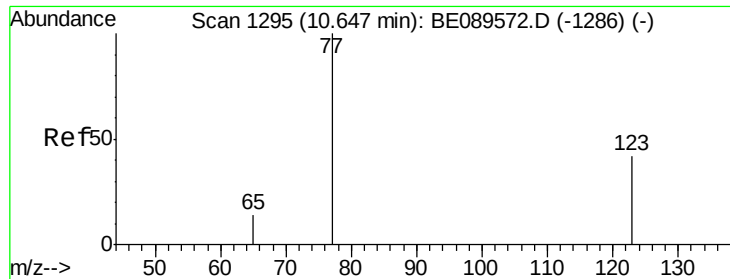


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 1.10 ng

RT: 10.65 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

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ClientSampleId :

SSTDCCC001

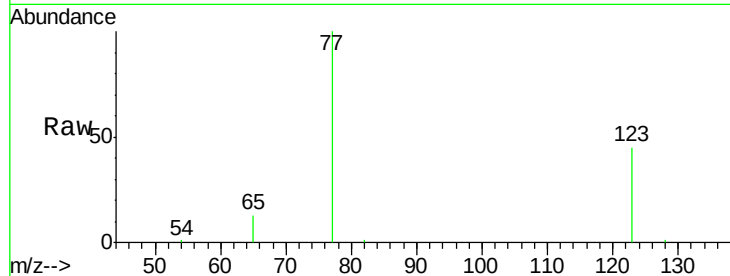
Tgt Ion: 77 Resp: 15006

Ion Ratio Lower Upper

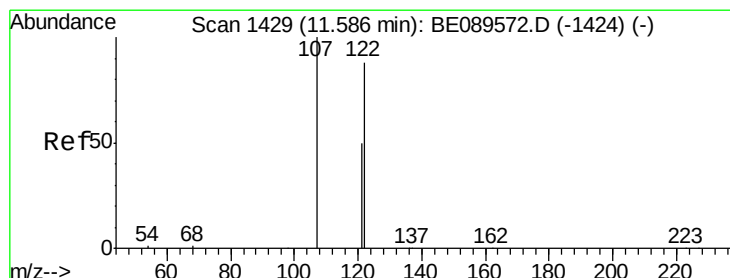
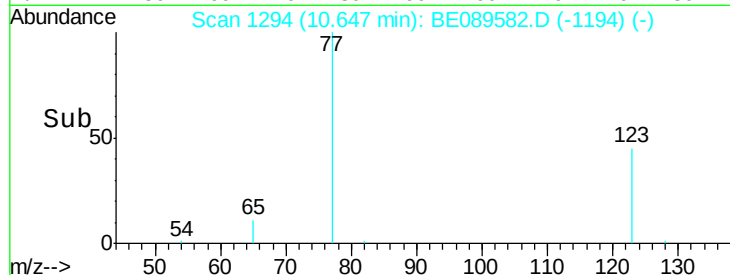
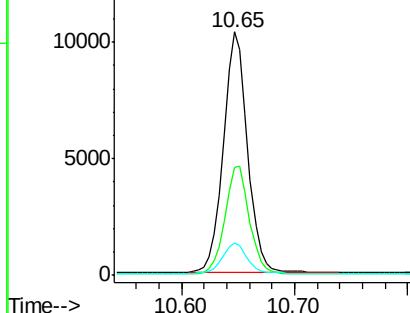
77 100

123 46.0 34.4 51.6

65 12.9 11.4 17.2



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: 0.98 ng

RT: 11.59 min Scan# 1428

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

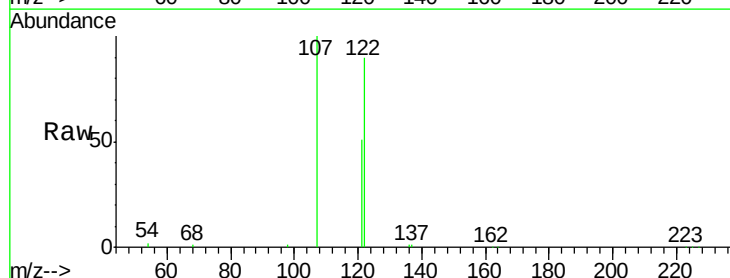
Tgt Ion: 122 Resp: 14703

Ion Ratio Lower Upper

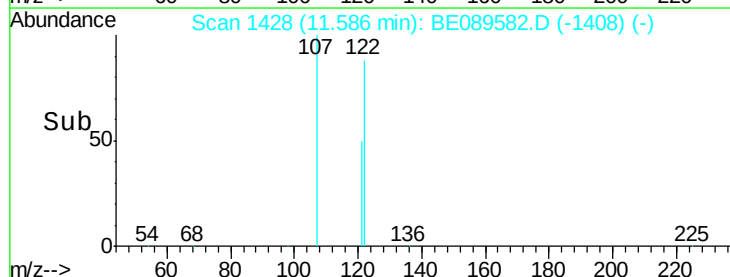
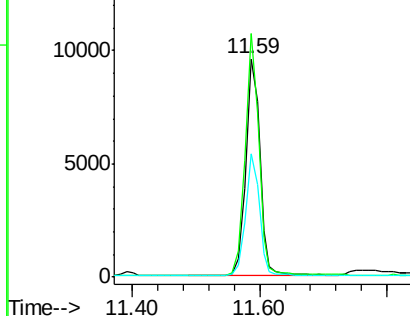
122 100

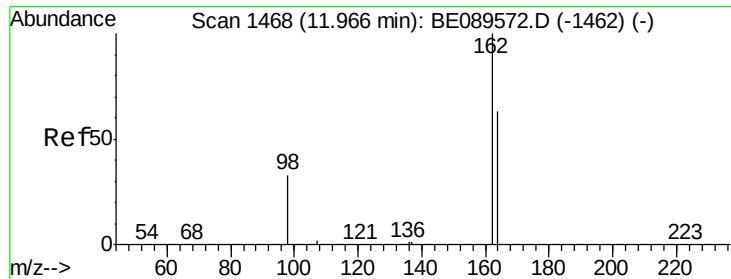
107 111.5 90.9 136.3

121 56.4 45.4 68.2



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

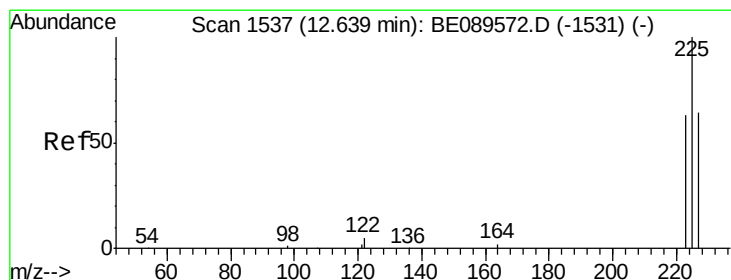
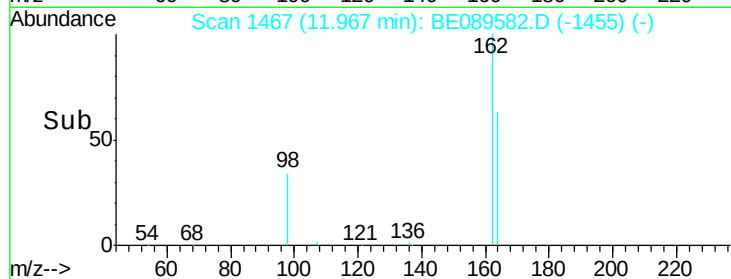
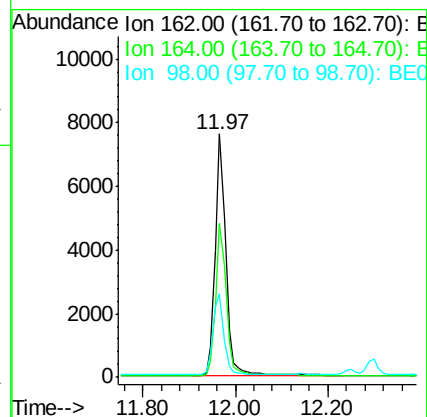
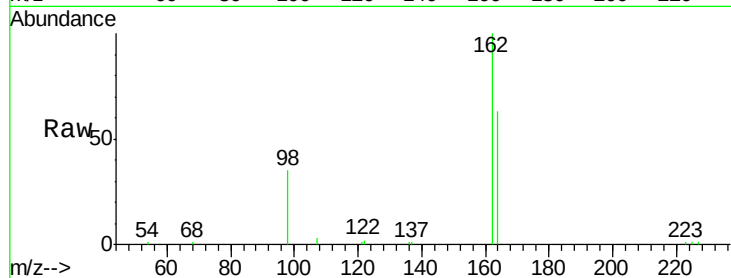




#11
 2,4-Dichlorophenol
 Concen: 1.03 ng
 RT: 11.97 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BE089582.D
 Acq: 16 Feb 2015 23:42

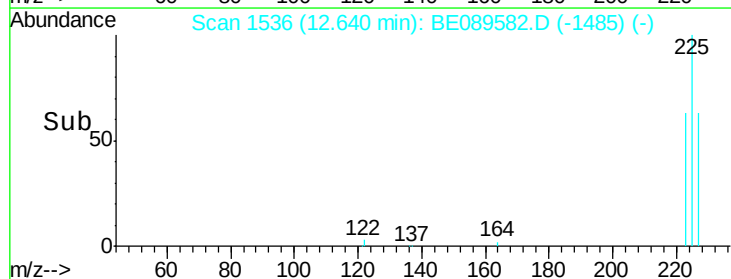
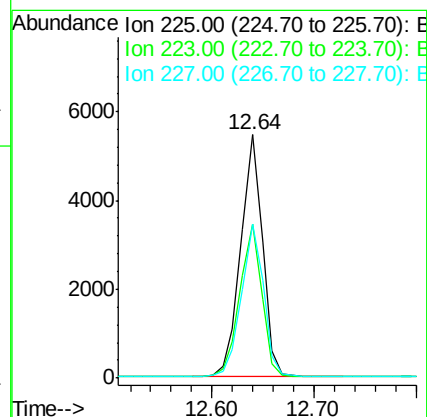
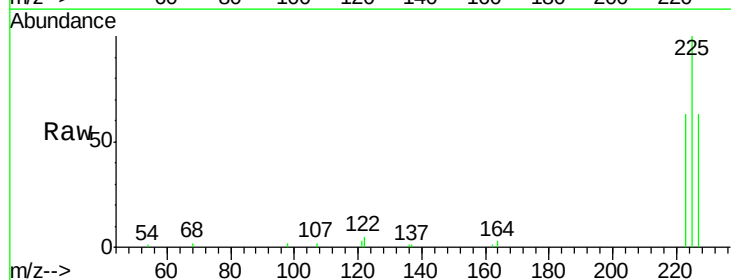
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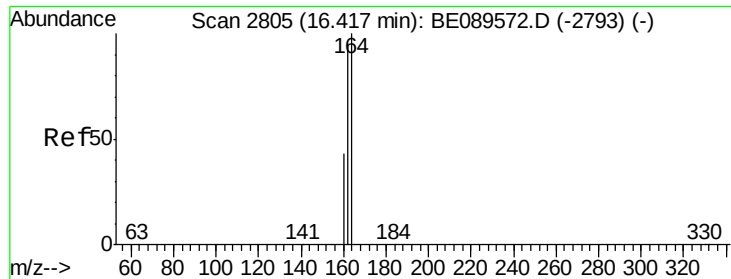
Tgt Ion:162 Resp: 12092
 Ion Ratio Lower Upper
 162 100
 164 63.2 43.4 83.4
 98 34.6 14.6 54.6



#12
 Hexachlorobutadiene
 Concen: 1.01 ng
 RT: 12.64 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BE089582.D
 Acq: 16 Feb 2015 23:42

Tgt Ion:225 Resp: 8033
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.4 75.6
 227 63.8 51.0 76.6





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2803

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

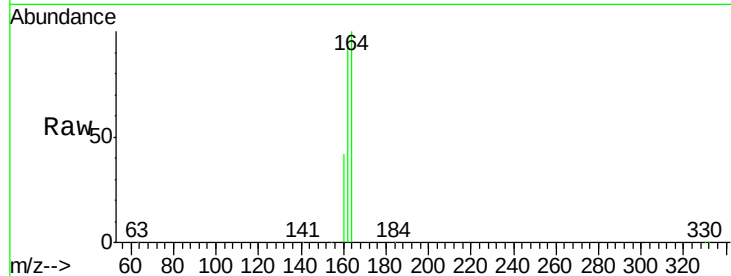
Tgt Ion:164 Resp: 125288

Ion Ratio Lower Upper

164 100

162 93.4 76.2 114.4

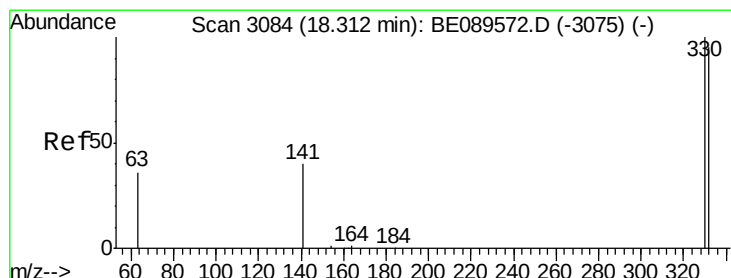
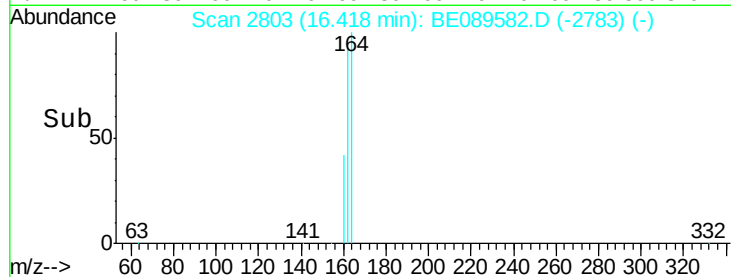
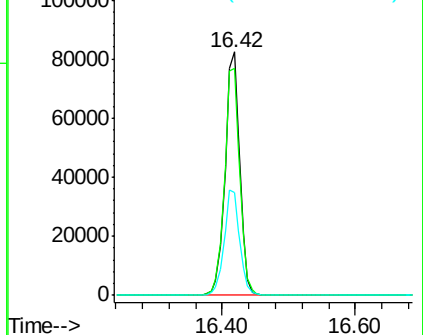
160 42.2 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 1.05 ng

RT: 18.31 min Scan# 3082

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

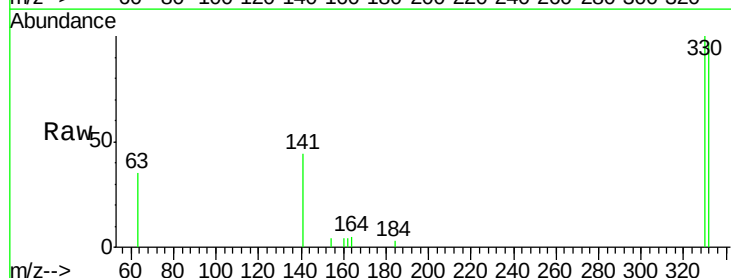
Tgt Ion:330 Resp: 2986

Ion Ratio Lower Upper

330 100

332 97.4 78.3 117.5

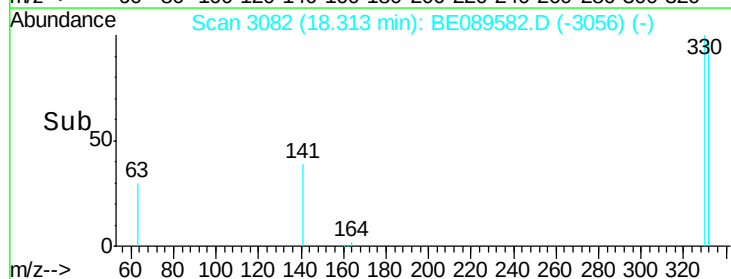
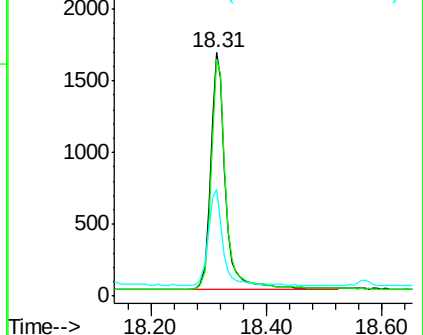
141 40.9 33.4 50.0

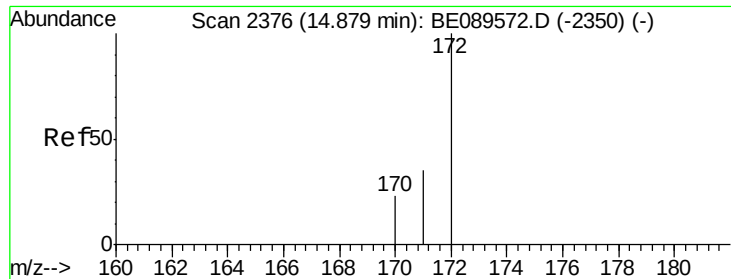


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

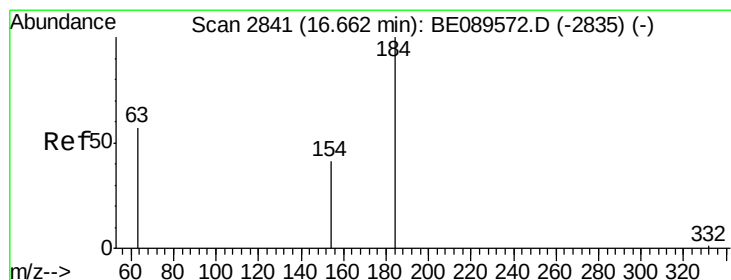
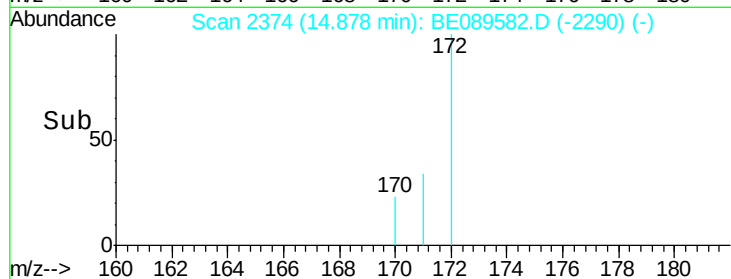
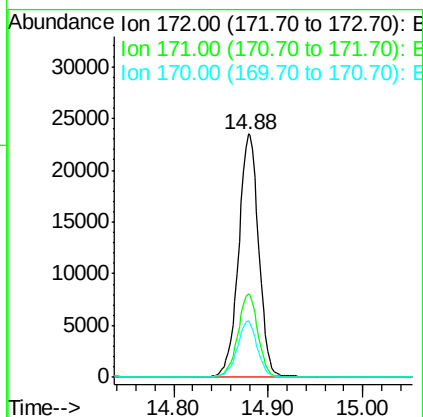
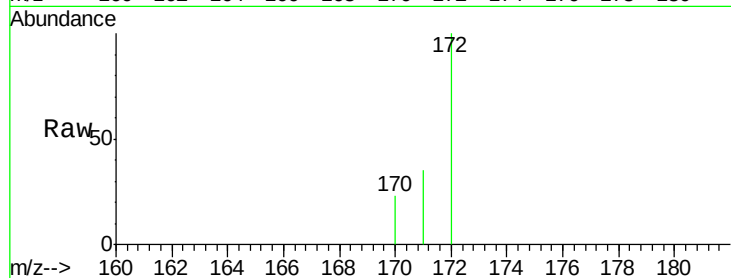




#15
2-Fluorobiphenyl
Concen: 1.02 ng
RT: 14.88 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BE089582.D
Acq: 16 Feb 2015 23:42

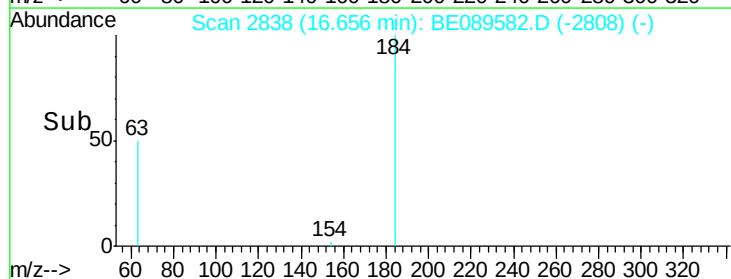
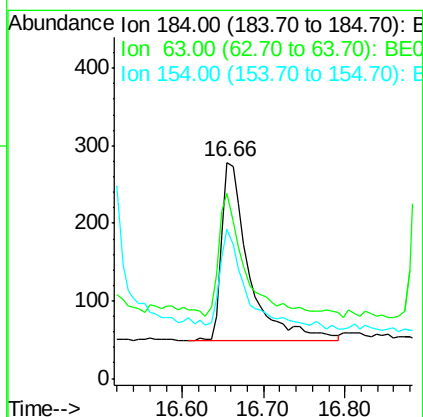
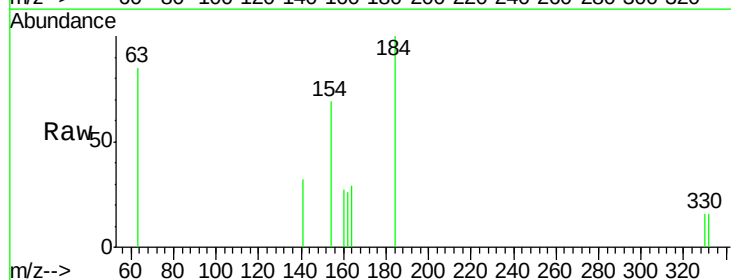
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

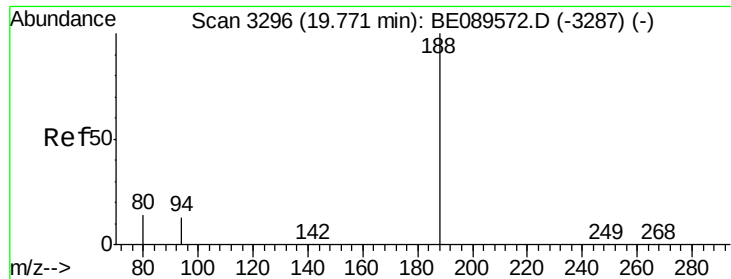
Tgt Ion:172 Resp: 34413
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.6
170 23.2 18.5 27.7



#16
2,4-Dinitrophenol
Concen: 1.33 ng
RT: 16.66 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BE089582.D
Acq: 16 Feb 2015 23:42

Tgt Ion:184 Resp: 540
Ion Ratio Lower Upper
184 100
63 85.3 70.8 106.2
154 69.2 52.9 79.3

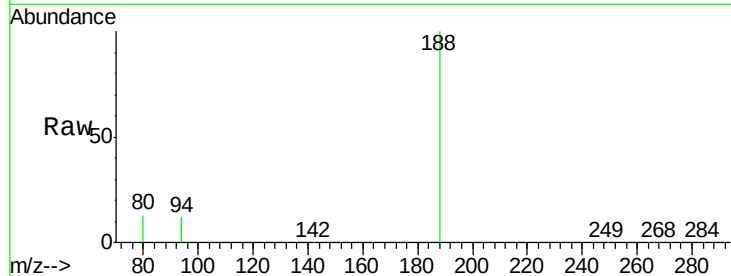




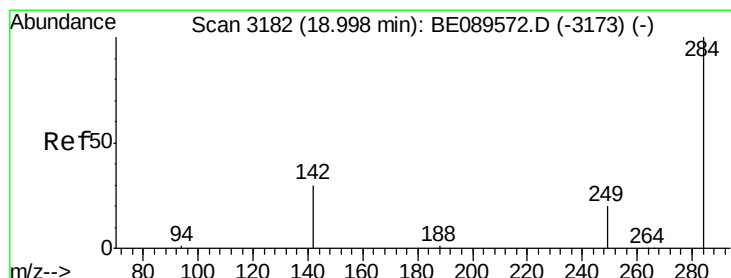
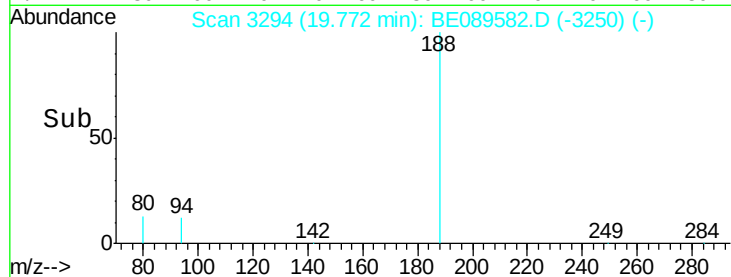
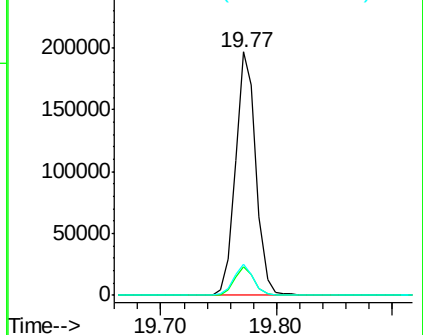
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3294
Delta R.T. 0.00 min
Lab File: BE089582.D
Acq: 16 Feb 2015 23:42

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:188 Resp: 241309
Ion Ratio Lower Upper
188 100
94 12.0 10.2 15.4
80 12.7 11.0 16.6

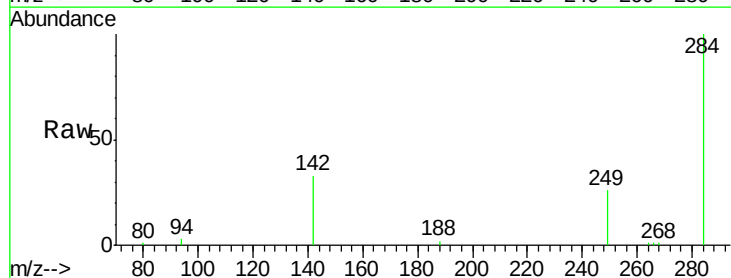


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

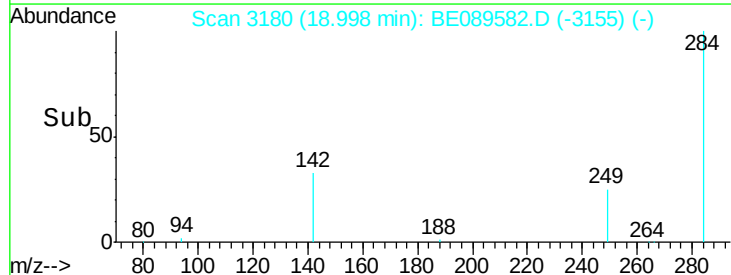
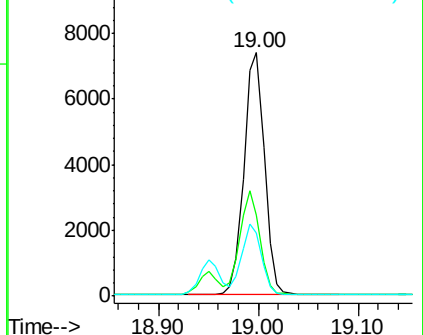


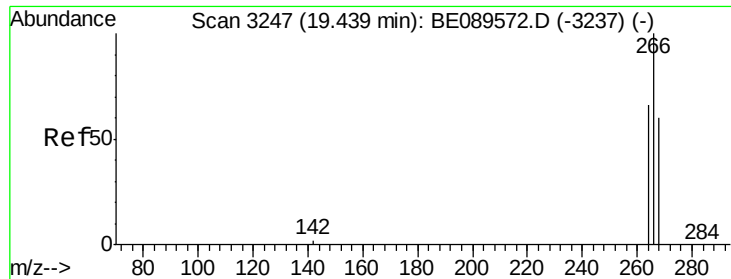
#18
Hexachlorobenzene
Concen: 1.03 ng
RT: 19.00 min Scan# 3180
Delta R.T. 0.00 min
Lab File: BE089582.D
Acq: 16 Feb 2015 23:42

Tgt Ion:284 Resp: 10451
Ion Ratio Lower Upper
284 100
142 33.3 27.6 41.4
249 25.7 20.0 30.0



Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#19

Pentachlorophenol

Concen: 1.13 ng

RT: 19.44 min Scan# 3245

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

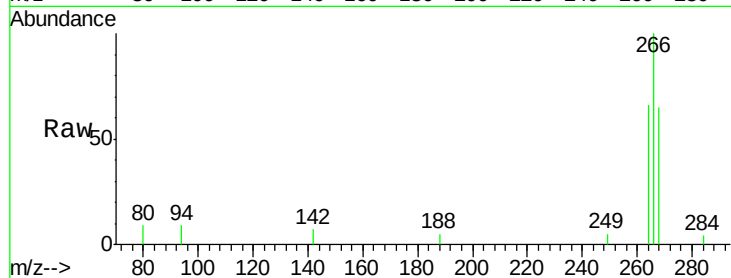
Tgt Ion:266 Resp: 2141

Ion Ratio Lower Upper

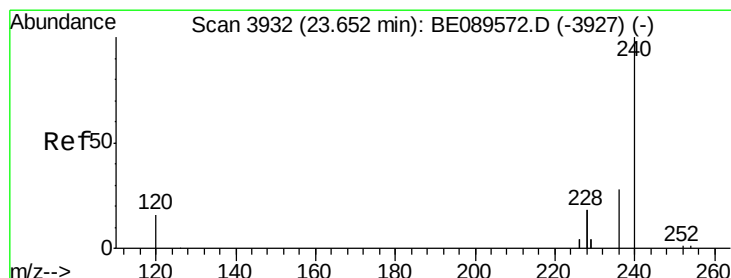
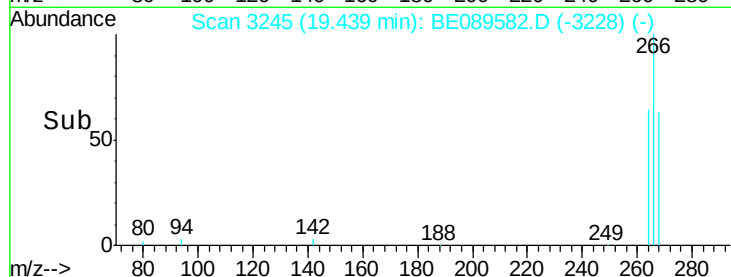
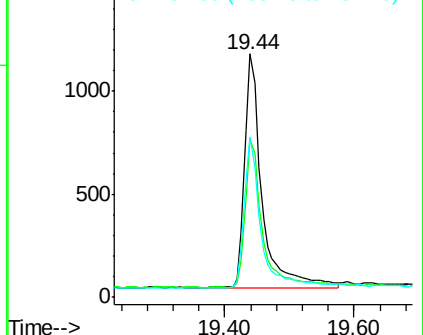
266 100

268 64.6 50.2 75.4

264 65.7 54.4 81.6



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. 0.01 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

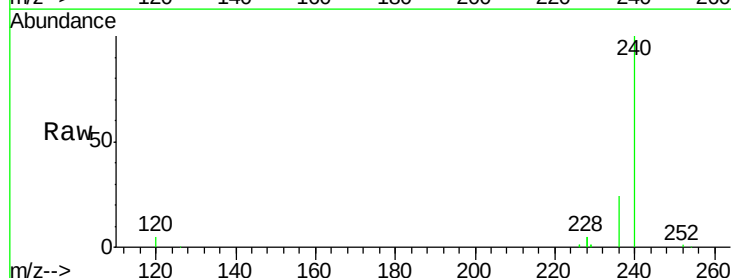
Tgt Ion:240 Resp: 279108

Ion Ratio Lower Upper

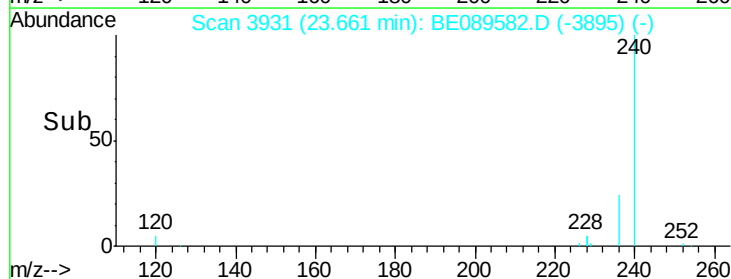
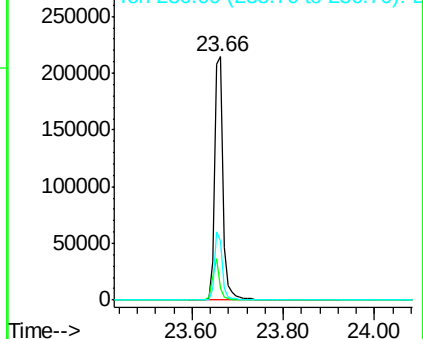
240 100

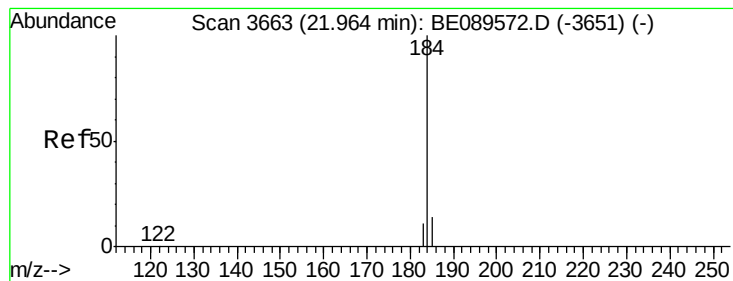
120 5.0 12.7 19.1#

236 24.3 22.7 34.1



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: 0.98 ng

RT: 21.96 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

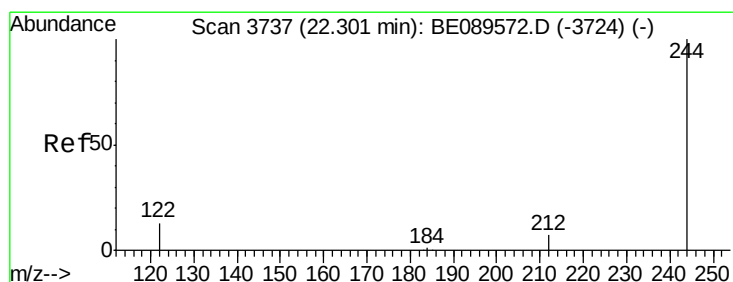
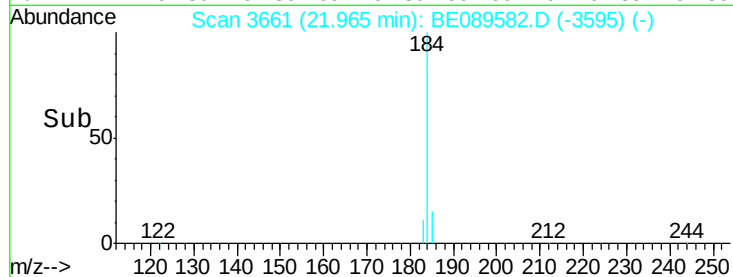
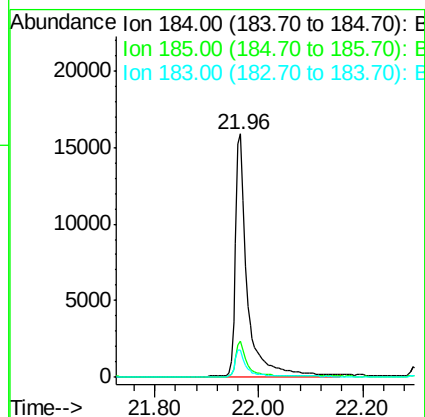
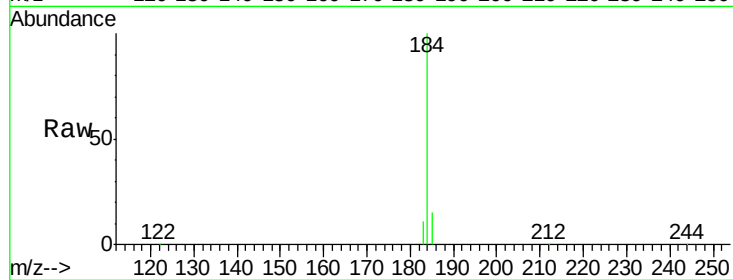
Tgt Ion:184 Resp: 24828

Ion Ratio Lower Upper

184 100

185 14.9 11.7 17.5

183 11.1 8.9 13.3



#22

Terphenyl-d14

Concen: 1.02 ng

RT: 22.30 min Scan# 3735

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

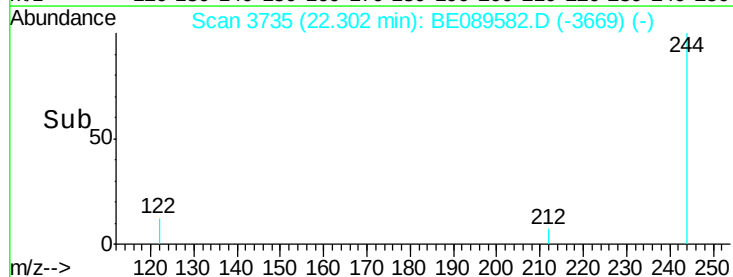
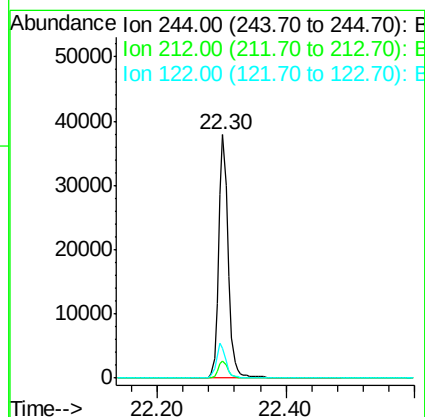
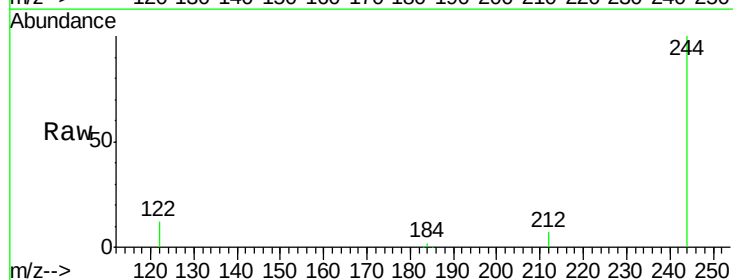
Tgt Ion:244 Resp: 38557

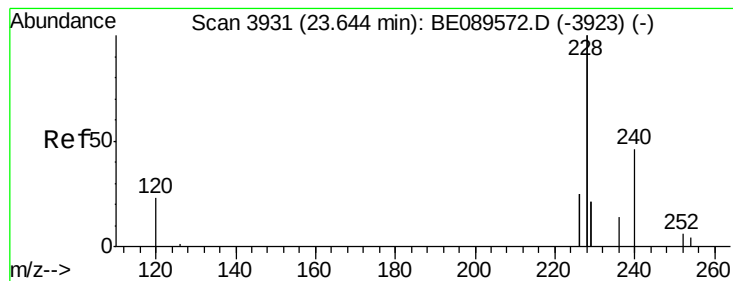
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 12.2 10.2 15.2





#23

Benzo(a)anthracene

Concen: 1.01 ng

RT: 23.64 min Scan# 3929

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

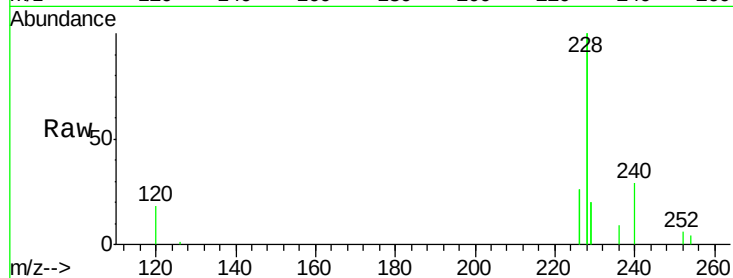
Tgt Ion:228 Resp: 270517

Ion Ratio Lower Upper

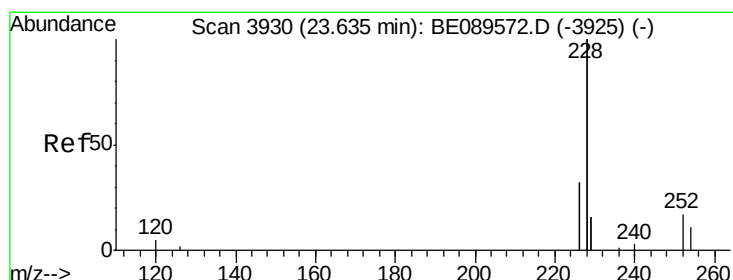
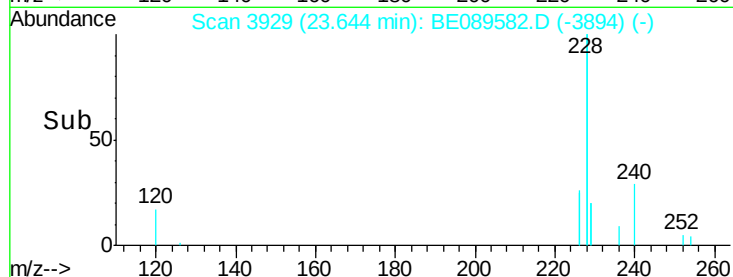
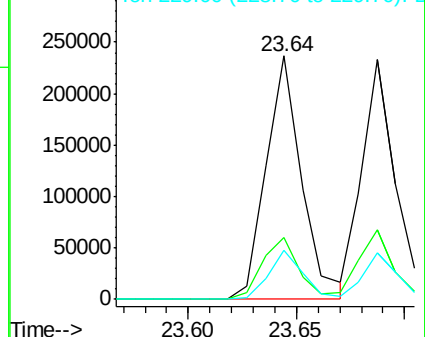
228 100

226 25.6 19.9 29.9

229 20.0 16.6 24.8



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



#24

3,3'-Dichlorobenzidine

Concen: 0.93 ng

RT: 23.64 min Scan# 3928

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

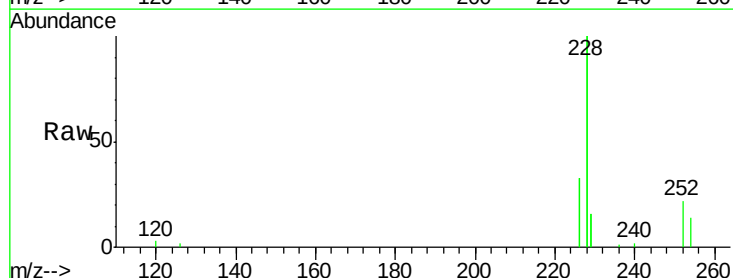
Tgt Ion:252 Resp: 18342

Ion Ratio Lower Upper

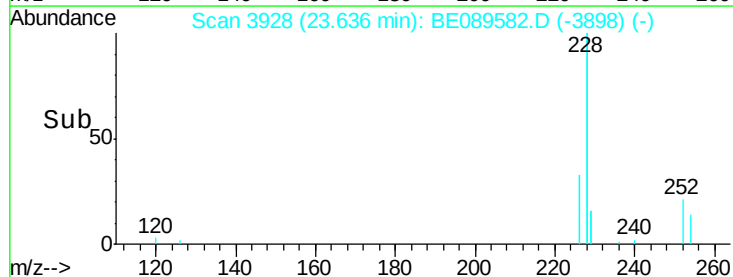
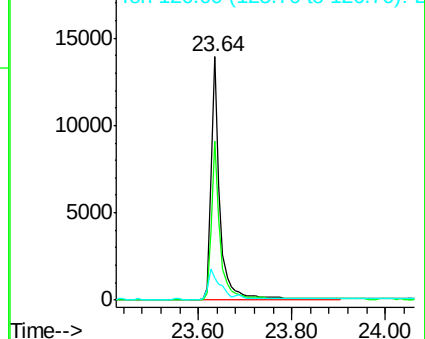
252 100

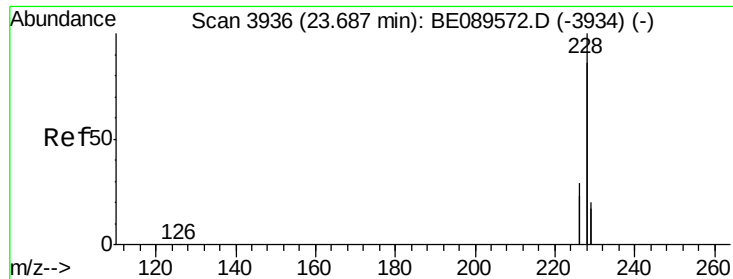
254 65.4 51.0 76.4

126 9.2 8.3 12.5



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





#25

Chrysene

Concen: 1.01 ng

RT: 23.69 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

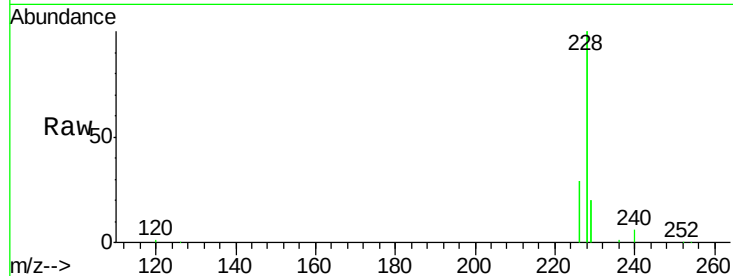
Tgt Ion:228 Resp: 271484

Ion Ratio Lower Upper

228 100

226 28.9 22.9 34.3

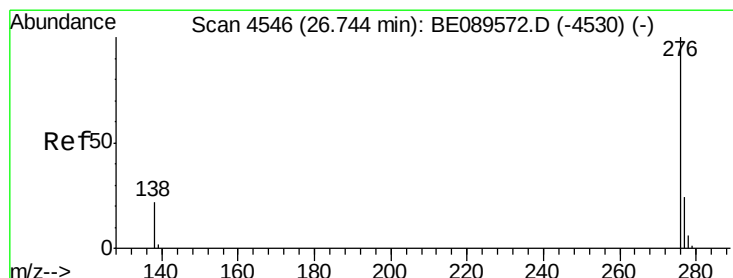
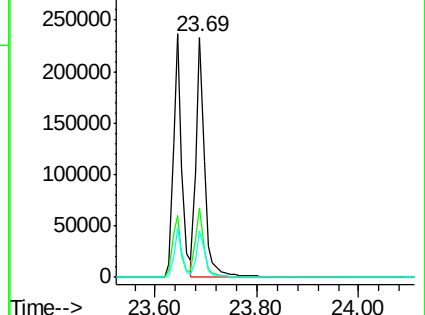
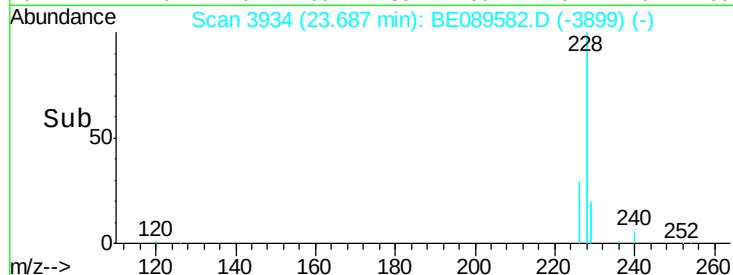
229 19.5 15.8 23.6



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.97 ng

RT: 26.75 min Scan# 4545

Delta R.T. 0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

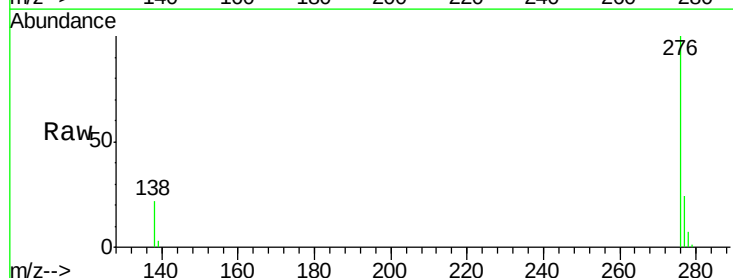
Tgt Ion:276 Resp: 66499

Ion Ratio Lower Upper

276 100

138 10.9 22.1 33.1#

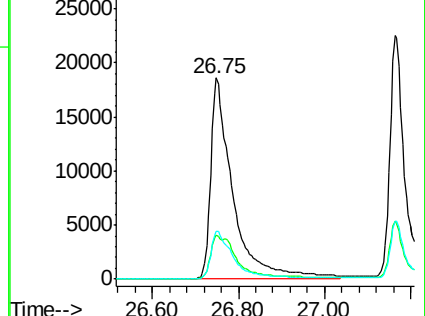
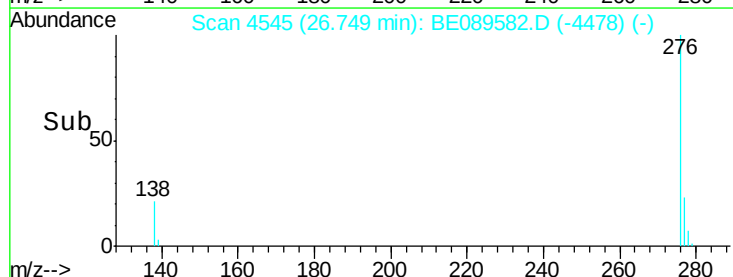
277 24.9 19.4 29.2

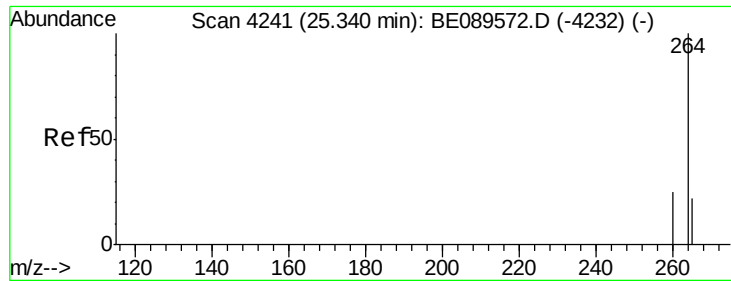


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

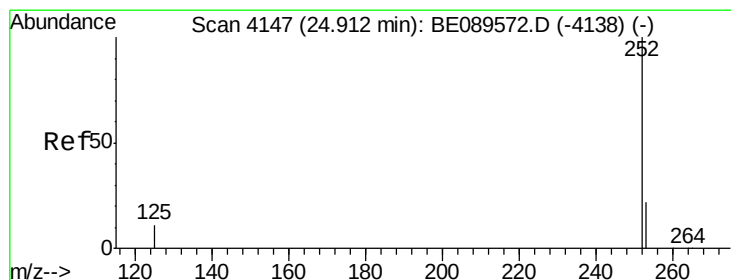
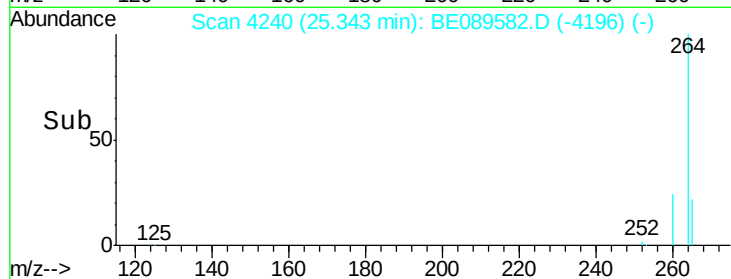
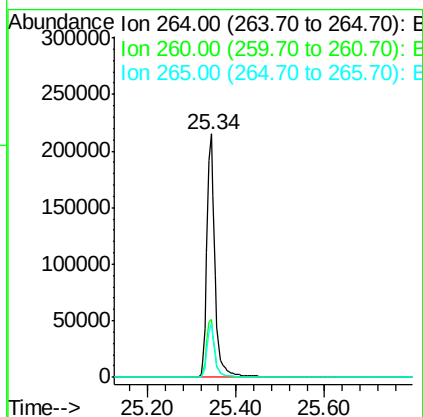
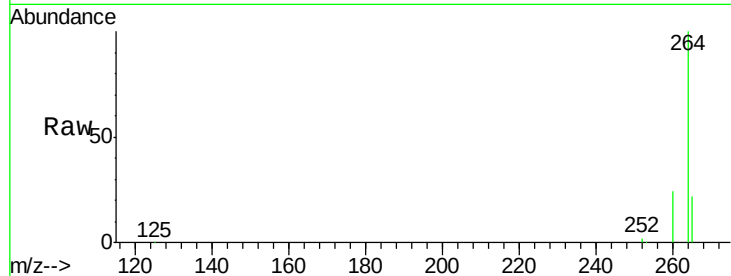




#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4240
 Delta R.T. 0.00 min
 Lab File: BE089582.D
 Acq: 16 Feb 2015 23:42

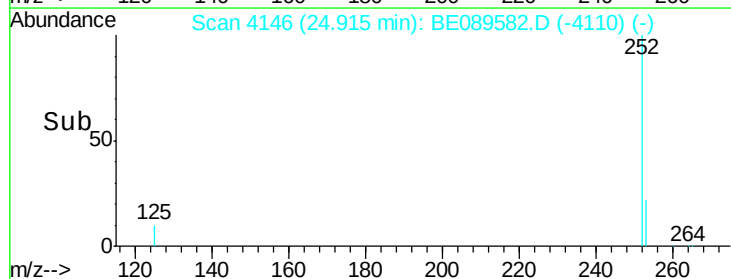
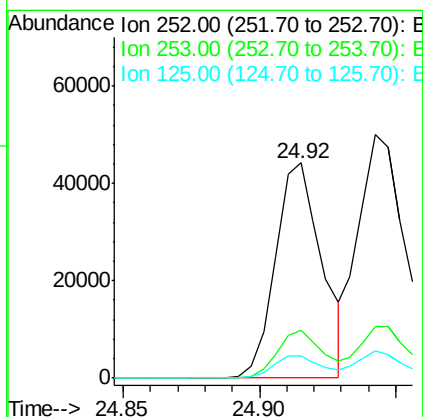
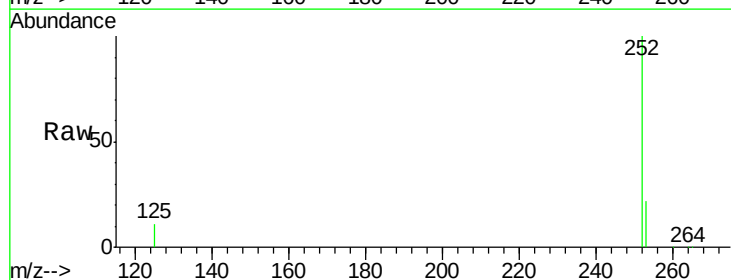
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

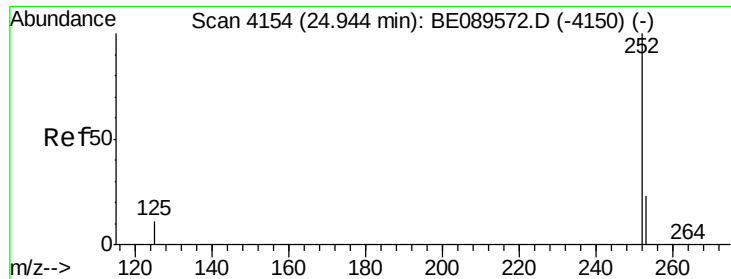
Tgt Ion: 264 Resp: 268427
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.8 29.6
 265 22.2 17.5 26.3



#28
 Benzo(b)fluoranthene
 Concen: 0.91 ng
 RT: 24.92 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: BE089582.D
 Acq: 16 Feb 2015 23:42

Tgt Ion: 252 Resp: 52131
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.5 26.3
 125 10.5 9.0 13.4





#29

Benzo(k)fluoranthene

Concen: 1.04 ng

RT: 24.94 min Scan# 4152

Delta R.T. -0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

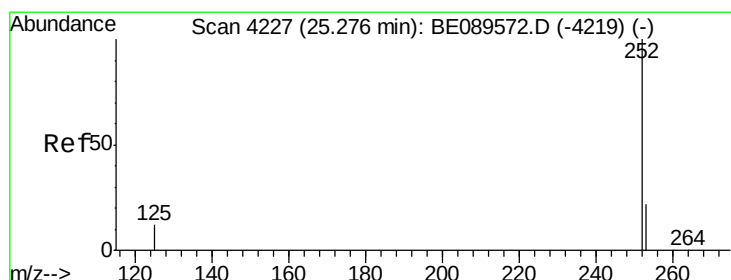
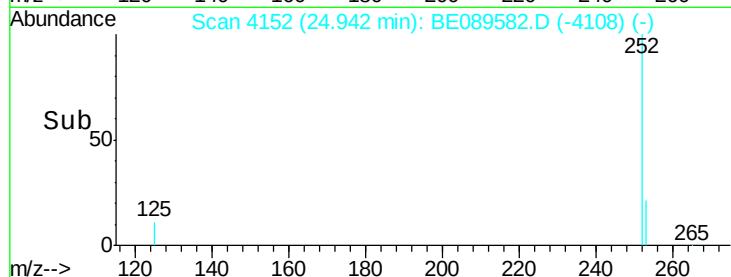
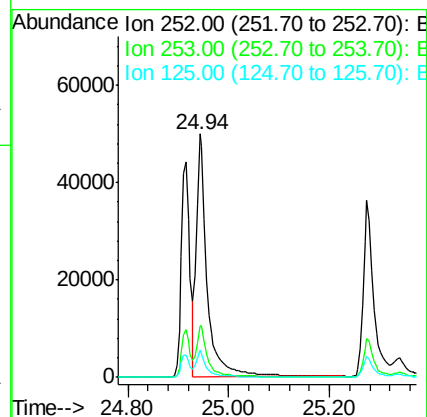
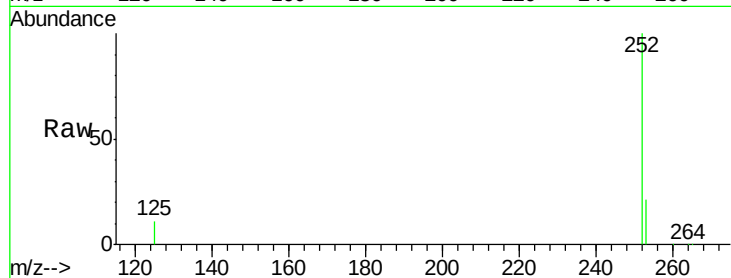
Tgt Ion:252 Resp: 75087

Ion Ratio Lower Upper

252 100

253 21.3 18.2 27.2

125 11.1 8.9 13.3



#30

Benzo(a)pyrene

Concen: 0.92 ng

RT: 25.27 min Scan# 4225

Delta R.T. -0.00 min

Lab File: BE089582.D

Acq: 16 Feb 2015 23:42

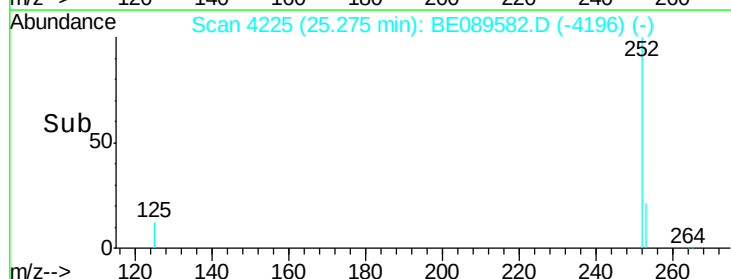
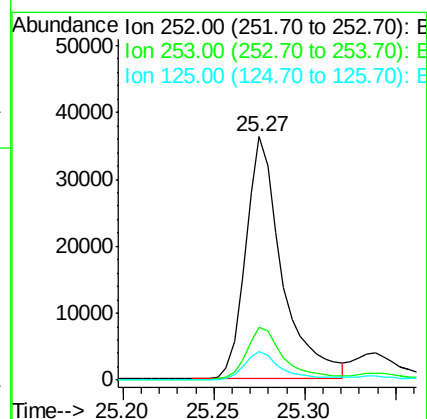
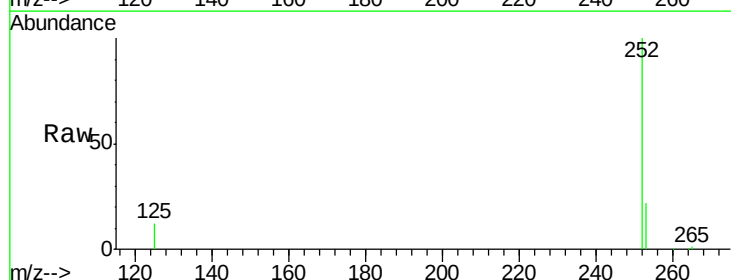
Tgt Ion:252 Resp: 50505

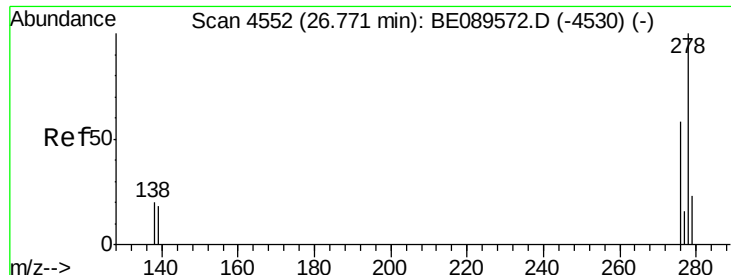
Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

125 11.9 9.5 14.3





#31

Dibenzo(a,h)anthracene

Concen: 0.94 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.01 min

Lab File: BE089582.D

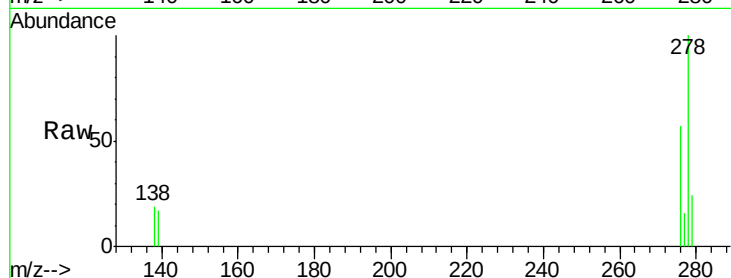
Acq: 16 Feb 2015 23:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001



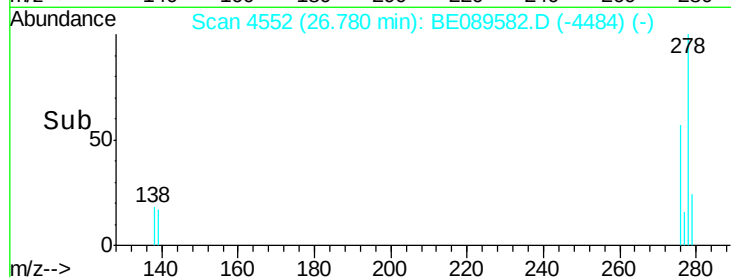
Tgt Ion: 278 Resp: 52526

Ion Ratio Lower Upper

278 100

139 17.5 14.7 22.1

279 24.1 19.0 28.4



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

