

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089416.D
 Acq On : 29 Jan 2015 15:19
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Quant Time: Jan 30 02:45:48 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 02:34:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	98013	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	331544	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	113418	5.00	ng	0.00
17) Phenanthrene-d10	19.98	188	221484	5.00	ng	0.00
20) Chrysene-d12	23.84	240	389397	5.00	ng	0.00
27) Perylene-d12	25.55	264	479544	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.73	112	354847	11.29	ng	0.00
4) Phenol-d6	8.85	99	399337	10.38	ng	0.00
8) Nitrobenzene-d5	10.85	82	271845	11.39	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	36651	13.91	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	311665	9.11	ng	0.00
22) Terphenyl-d14	22.48	244	415343	9.65	ng	0.00

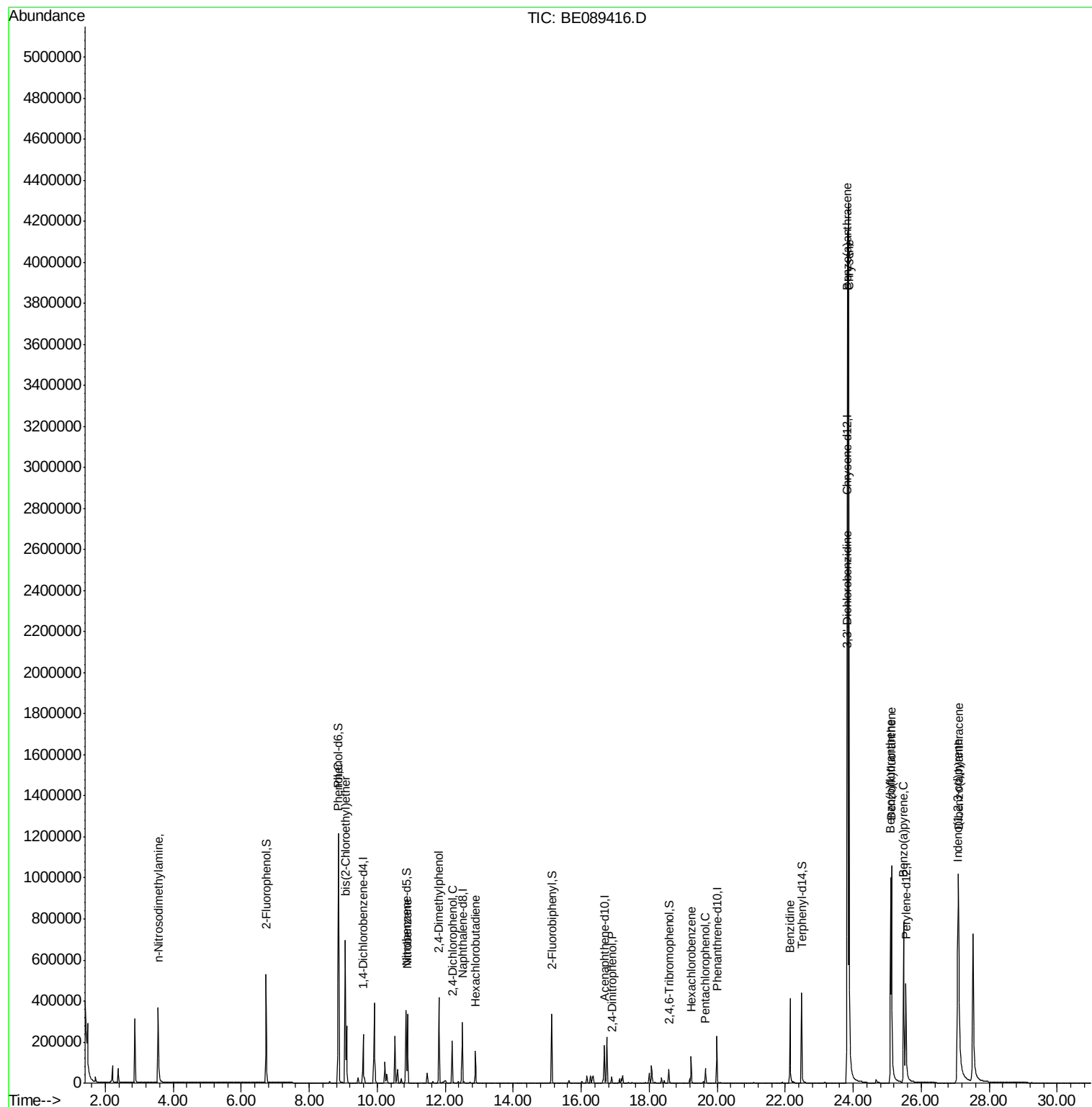
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.55	42	221628	13.27	ng	# 84
5) Phenol	8.87	94	435341	10.62	ng	90
6) bis(2-Chloroethyl)ether	9.06	93	318407	10.44	ng	# 99
9) Nitrobenzene	10.89	77	309463	11.48	ng	99
10) 2,4-Dimethylphenol	11.82	122	211720	10.41	ng	97
11) 2,4-Dichlorophenol	12.21	162	150596	9.73	ng	97
12) Hexachlorobutadiene	12.89	225	98996	9.05	ng	99
16) 2,4-Dinitrophenol	16.89	184	17342	22.56	ng	93
18) Hexachlorobenzene	19.23	284	102359	9.93	ng	93
19) Pentachlorophenol	19.65	266	39658	20.00	ng	97
21) Benzidine	22.14	184	383031	12.14	ng	99
23) Benzo(a)anthracene	23.83	228	3286058	9.31	ng	98
24) 3,3'-Dichlorobenzidine	23.81	252	348397	12.37	ng	96
25) Chrysene	23.87	228	3743672	8.59	ng	96
26) Indeno(1,2,3-cd)pyrene	27.07	276	1411226	14.00	ng	# 100
28) Benzo(b)fluoranthene	25.10	252	952848	15.68	ng	100
29) Benzo(k)fluoranthene	25.13	252	1223796	8.90	ng	97
30) Benzo(a)pyrene	25.49	252	1095895	14.88	ng	# 95
31) Dibenzo(a,h)anthracene	27.10	278	1143764	15.19	ng	# 95

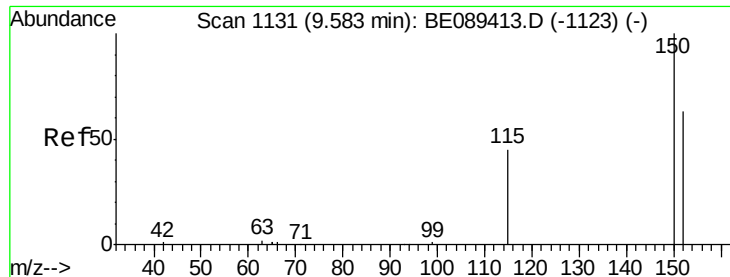
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

Instrument :

BNA_E

LabSampleId :

SSTDICC010

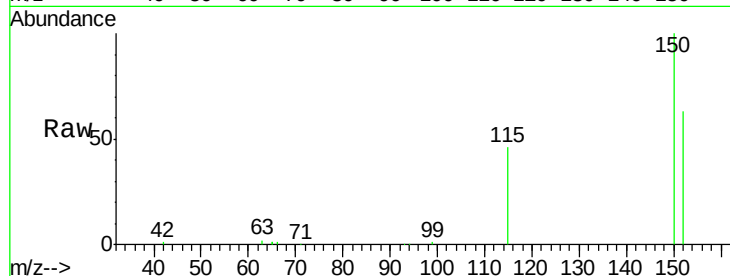
Tgt Ion:152 Resp: 98013

Ion Ratio Lower Upper

152 100

150 157.8 126.1 189.1

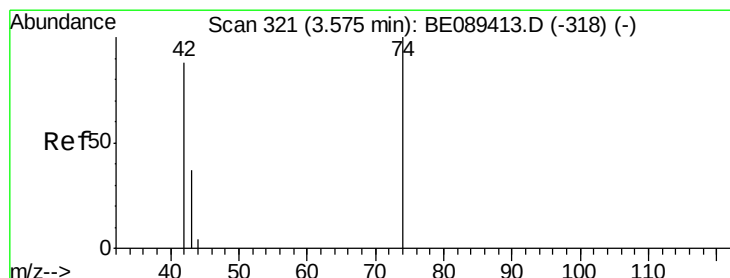
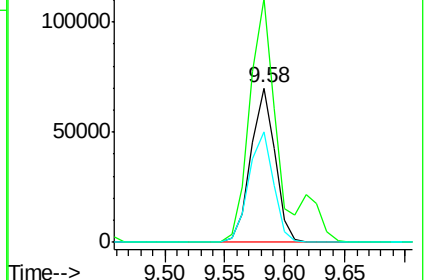
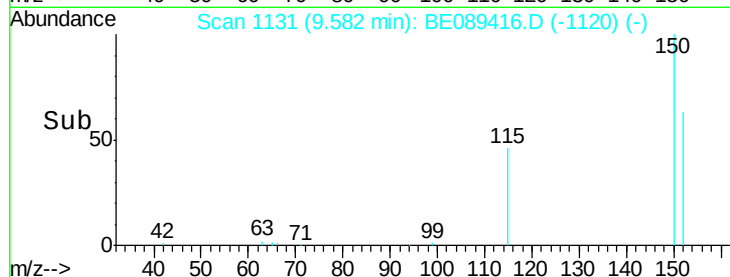
115 72.0 57.1 85.7



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: 13.27 ng

RT: 3.55 min Scan# 317

Delta R.T. -0.03 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

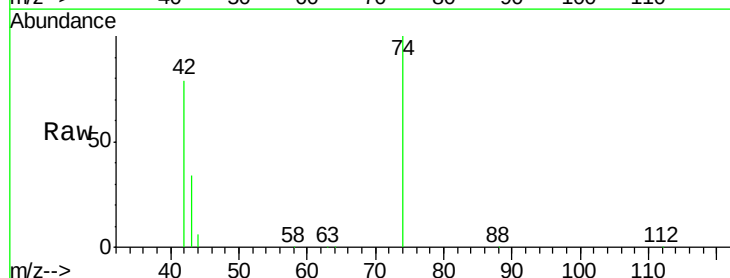
Tgt Ion: 42 Resp: 221628

Ion Ratio Lower Upper

42 100

74 126.1 90.2 135.2

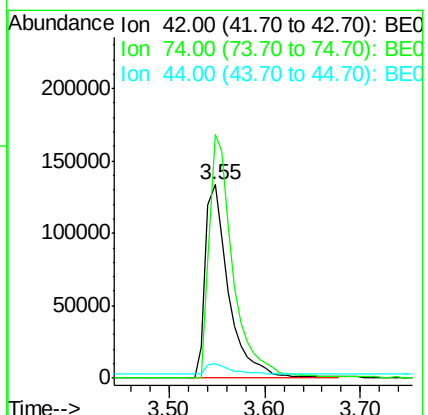
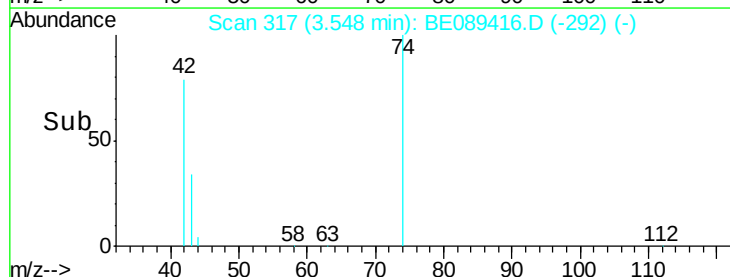
44 7.7 19.4 29.2#

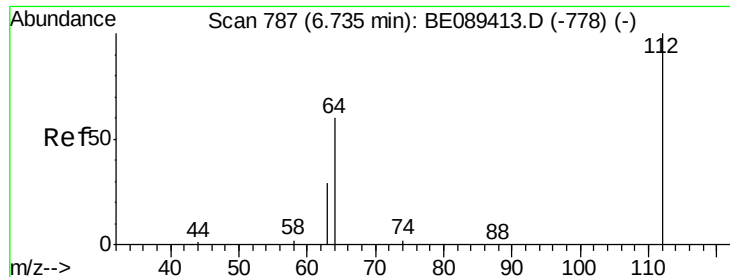


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

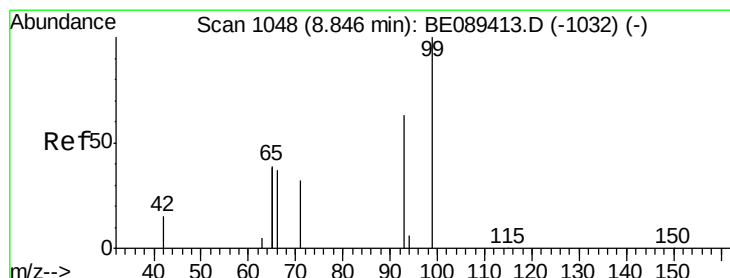
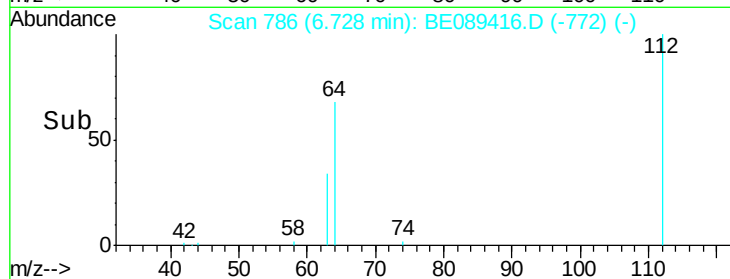
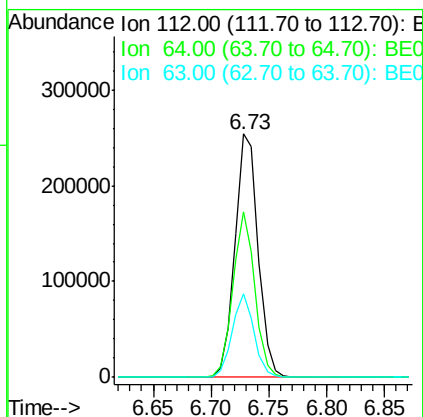
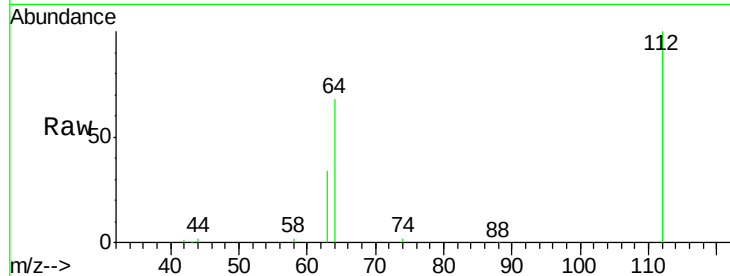




#3
 2-Fluorophenol
 Concen: 11.29 ng
 RT: 6.73 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BE089416.D
 Acq: 29 Jan 2015 15:19

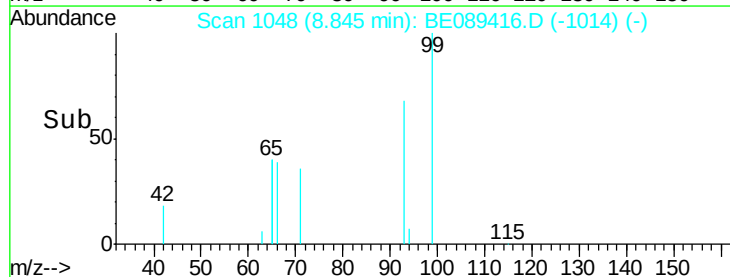
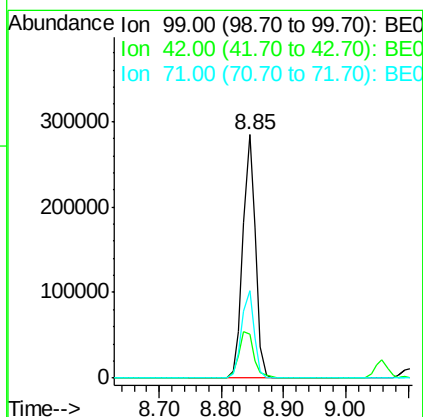
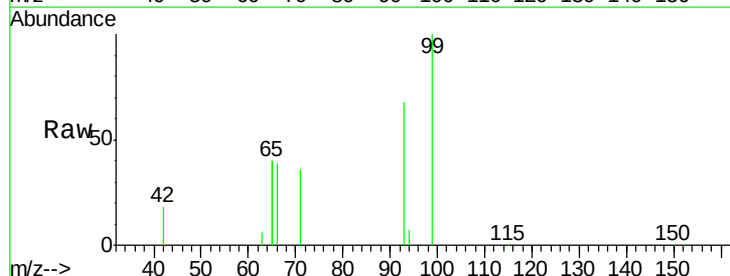
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

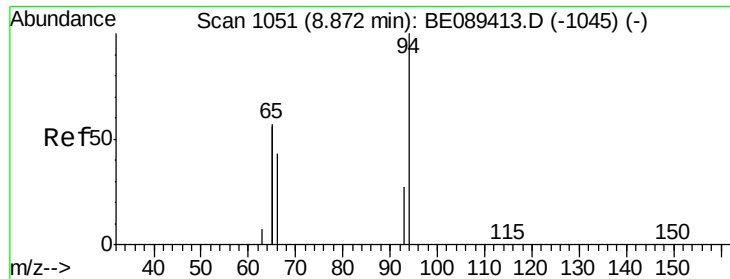
Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	48.2	72.4
63	34.4	23.5	35.3



#4
 Phenol-d6
 Concen: 10.38 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BE089416.D
 Acq: 29 Jan 2015 15:19

Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.9	11.9	17.9
71	35.8	25.8	38.6





#5

Phenol

Concen: 10.62 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

Instrument :

BNA_E

LabSampleId :

SSTDIC010

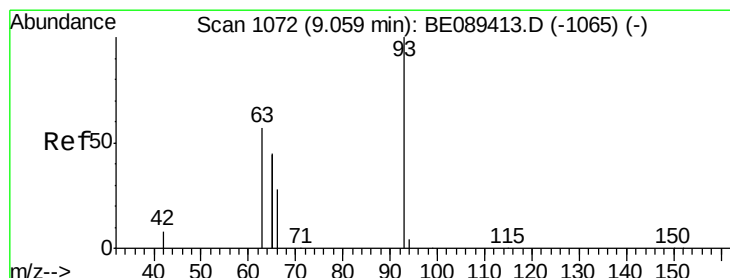
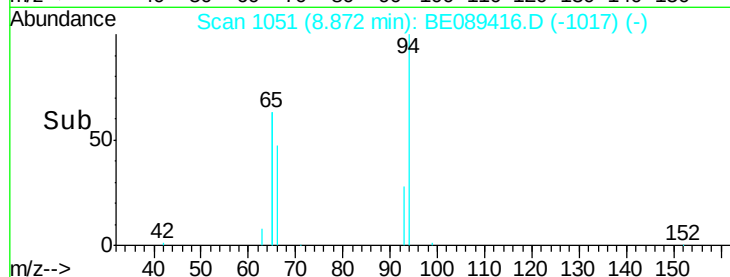
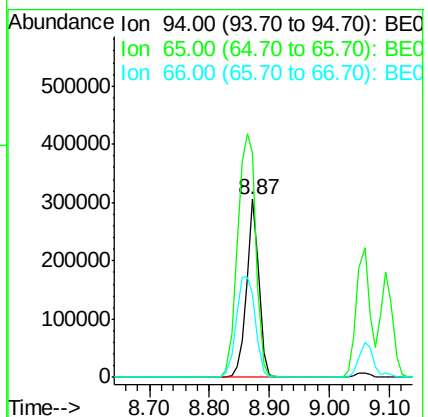
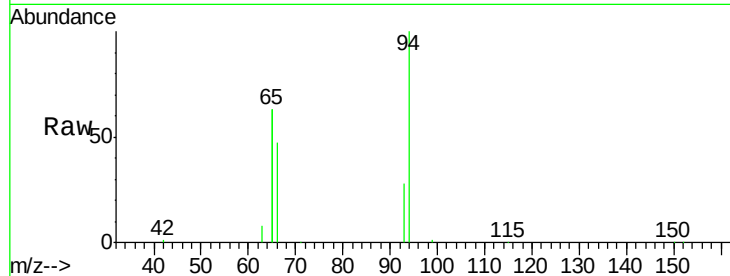
Tgt Ion: 94 Resp: 435341

Ion Ratio Lower Upper

94 100

65 125.9 93.3 133.3

66 46.8 23.6 63.6



#6

bis(2-Chloroethyl)ether

Concen: 10.44 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

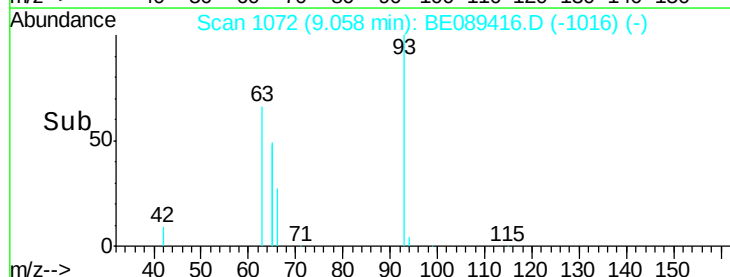
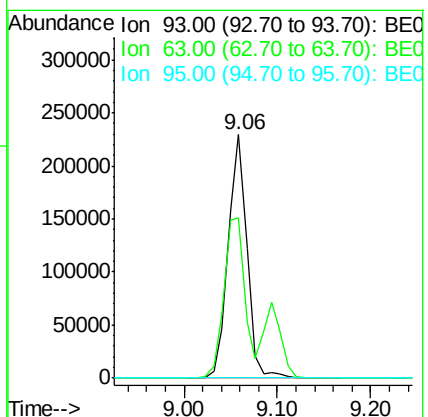
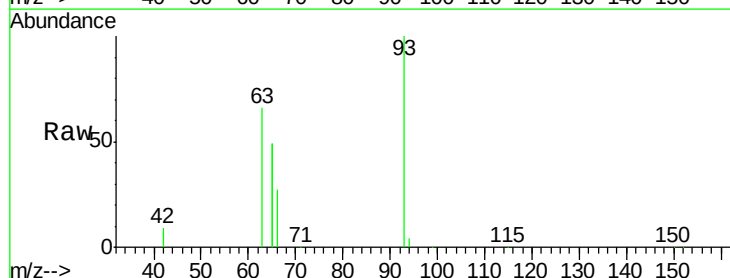
Tgt Ion: 93 Resp: 318407

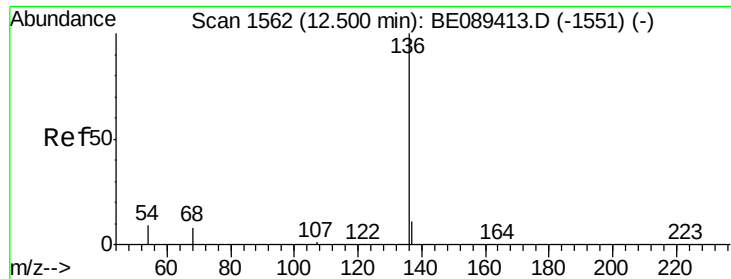
Ion Ratio Lower Upper

93 100

63 74.1 58.6 88.0

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: BE089416.D

Acq: 29 Jan 2015 15:19

Instrument :

BNA_E

LabSampleId :

SSTDIC010

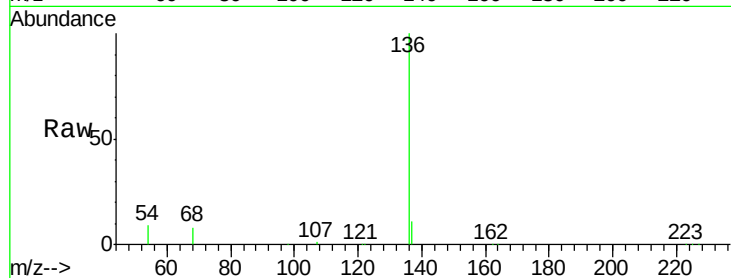
Tgt Ion: 136 Resp: 331544

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

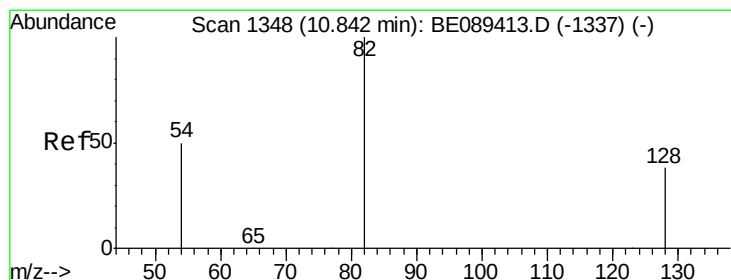
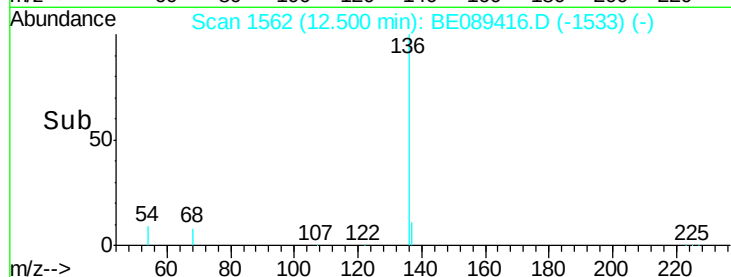
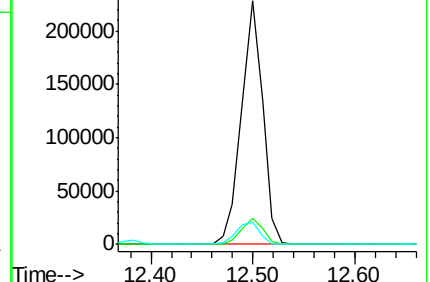
54 9.3 7.5 11.3



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: 11.39 ng

RT: 10.85 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

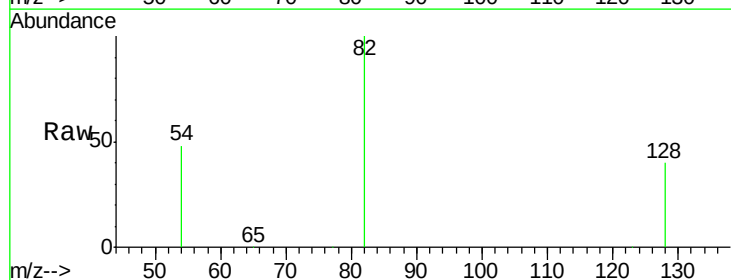
Tgt Ion: 82 Resp: 271845

Ion Ratio Lower Upper

82 100

128 39.9 31.0 46.4

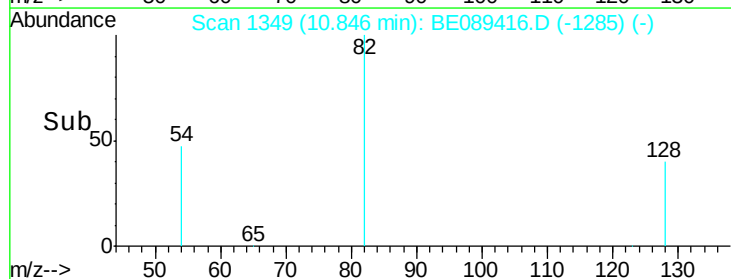
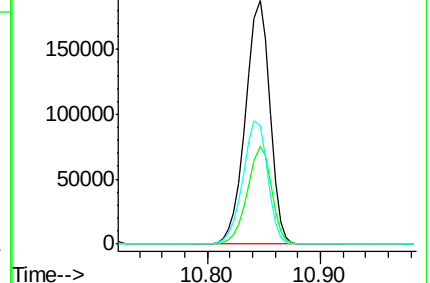
54 48.3 39.8 59.6

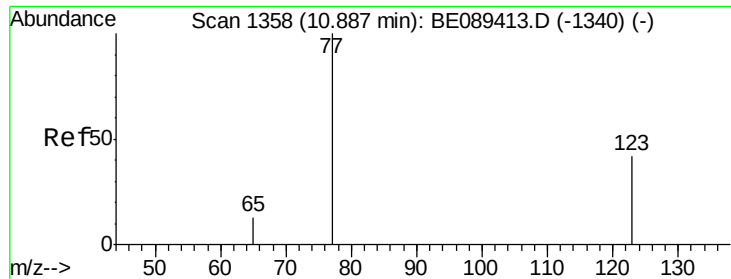


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 11.48 ng

RT: 10.89 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

Instrument :

BNA_E

LabSampleId :

SSTDIC010

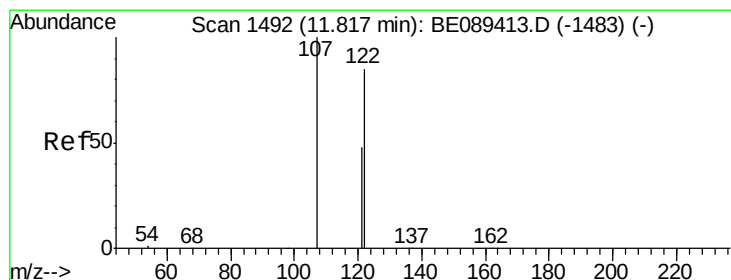
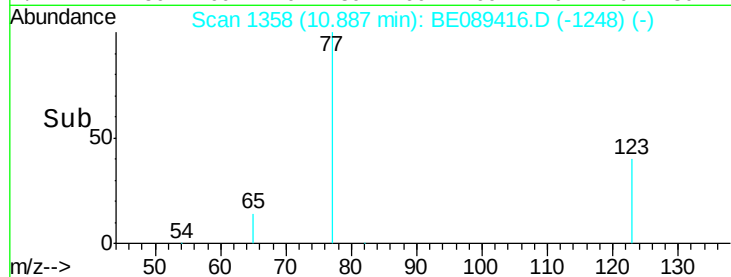
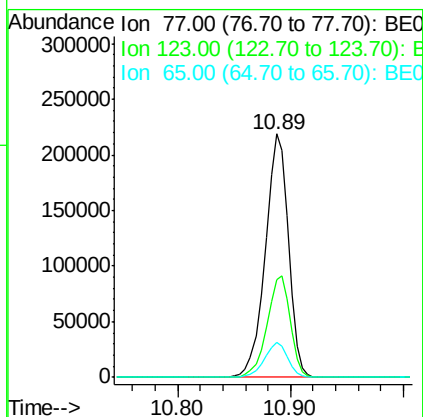
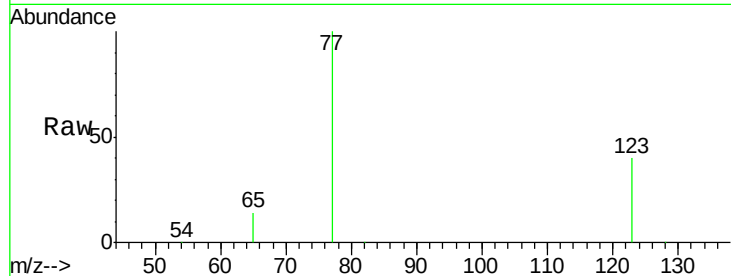
Tgt Ion: 77 Resp: 309463

Ion Ratio Lower Upper

77 100

123 41.8 32.8 49.2

65 14.2 11.0 16.6



#10

2,4-Dimethylphenol

Concen: 10.41 ng

RT: 11.82 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

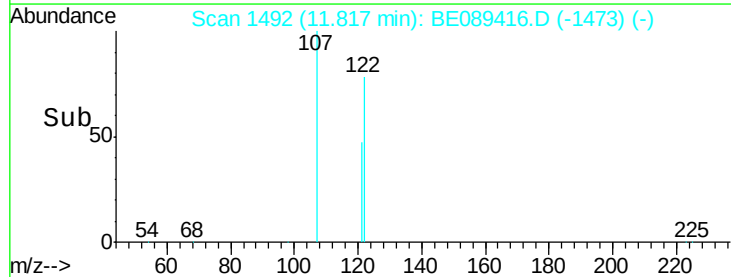
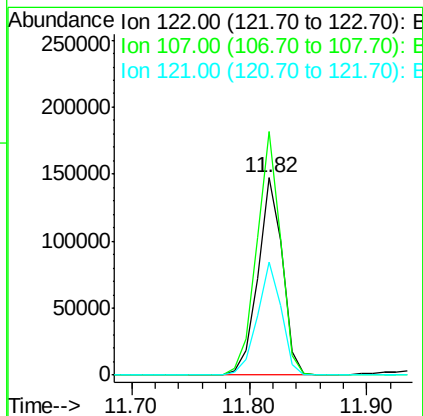
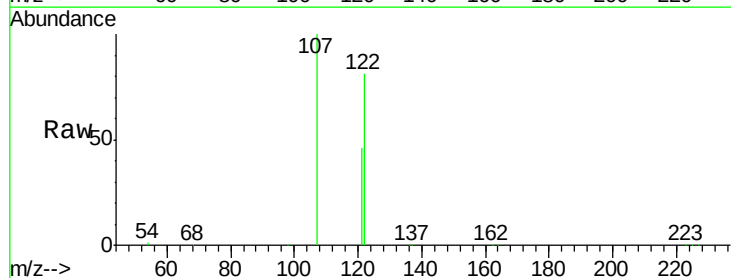
Tgt Ion: 122 Resp: 211720

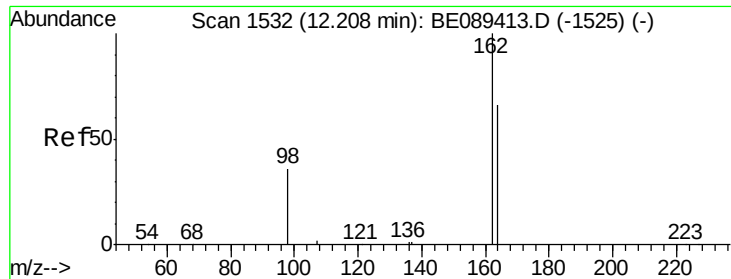
Ion Ratio Lower Upper

122 100

107 123.4 94.6 142.0

121 57.3 45.8 68.6

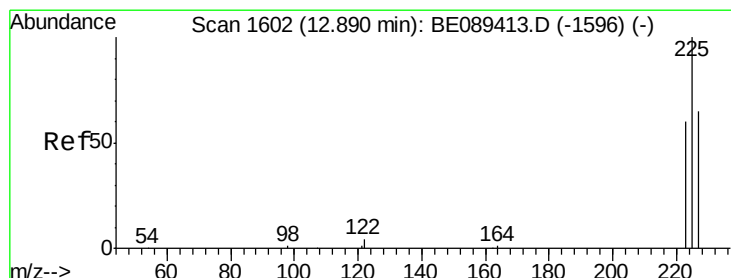
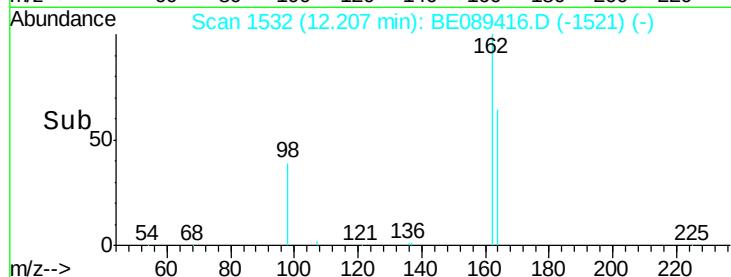
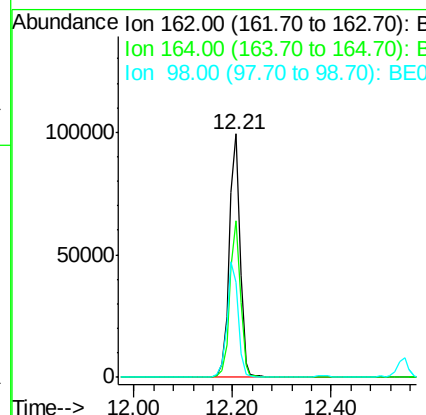
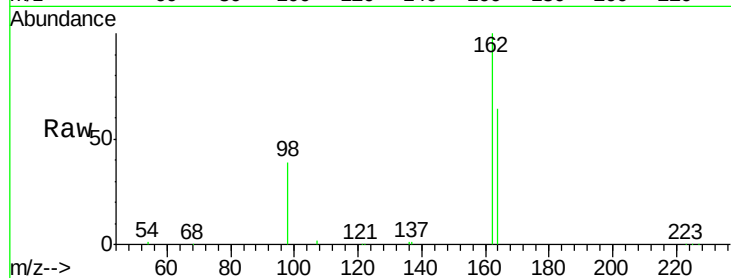




#11
 2,4-Dichlorophenol
 Concen: 9.73 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BE089416.D
 Acq: 29 Jan 2015 15:19

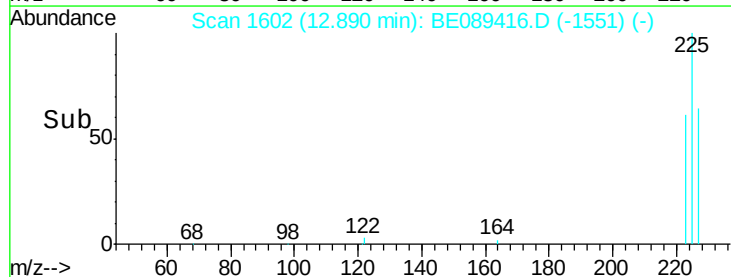
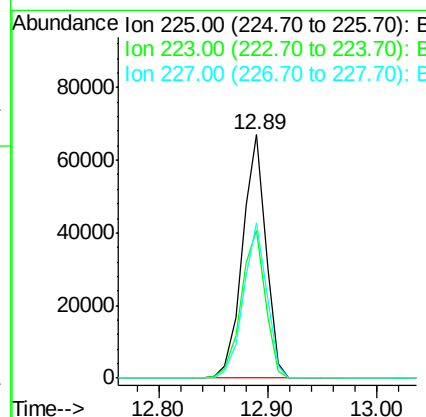
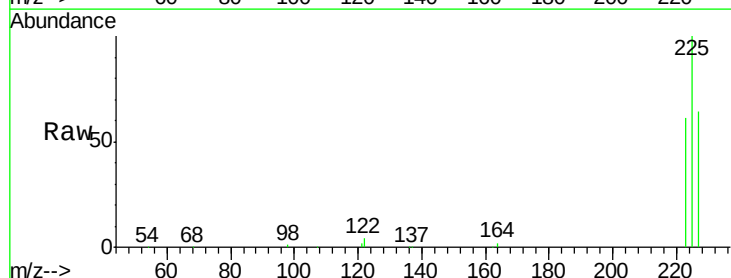
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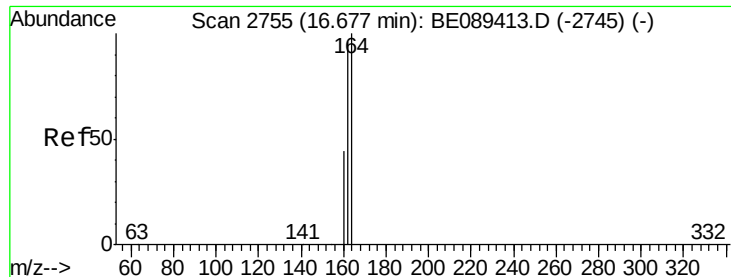
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.3	46.1	86.1
98	38.9	16.2	56.2



#12
 Hexachlorobutadiene
 Concen: 9.05 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BE089416.D
 Acq: 29 Jan 2015 15:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.4	75.6
227	63.6	50.2	75.2





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

Instrument :

BNA_E

LabSampleId :

SSTDICC010

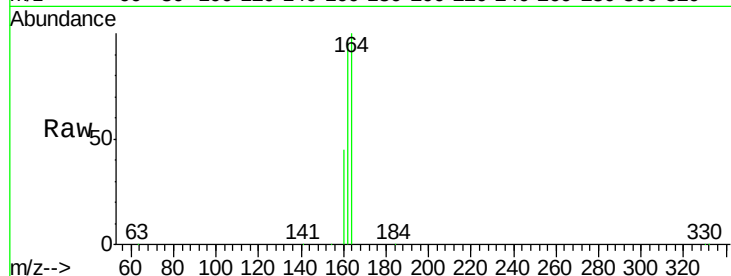
Tgt Ion:164 Resp: 113418

Ion Ratio Lower Upper

164 100

162 96.4 77.0 115.6

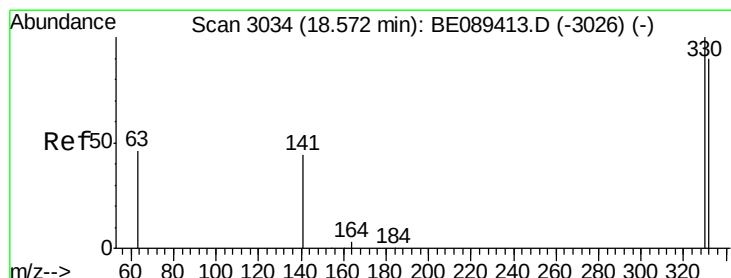
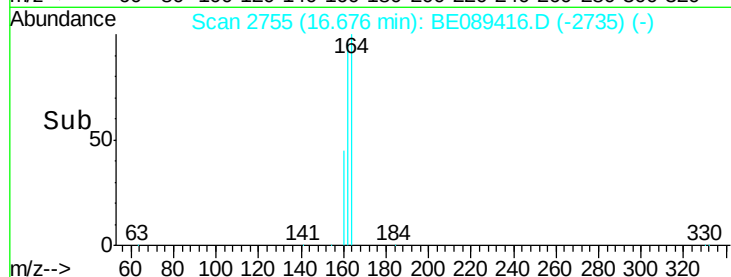
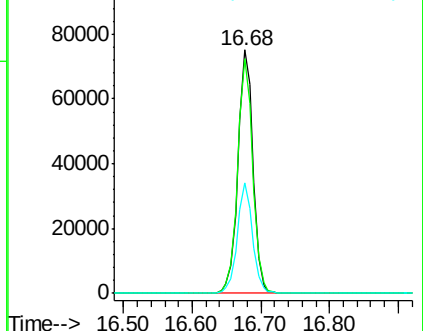
160 45.5 35.0 52.4



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: 13.91 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.01 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

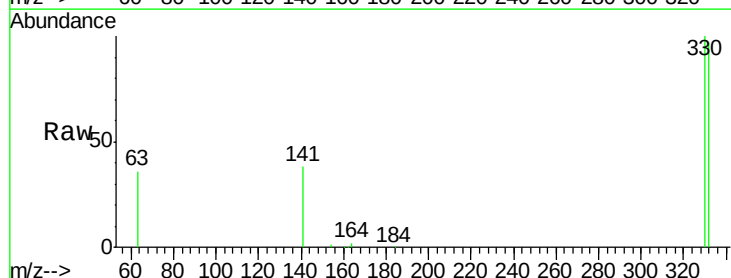
Tgt Ion:330 Resp: 36651

Ion Ratio Lower Upper

330 100

332 96.0 76.0 114.0

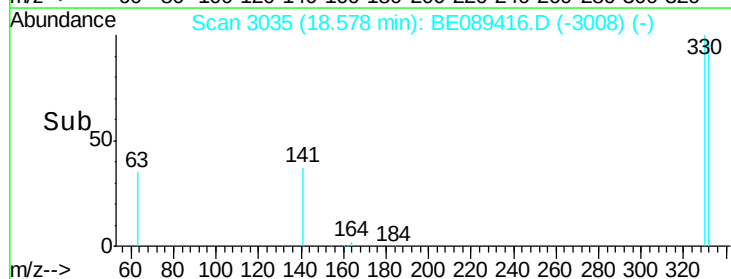
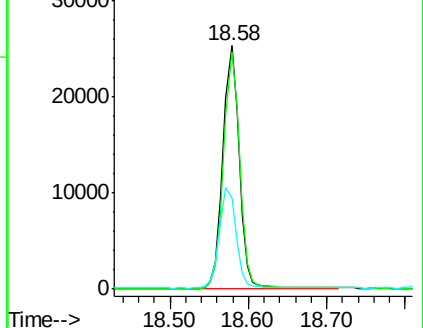
141 42.4 35.6 53.4

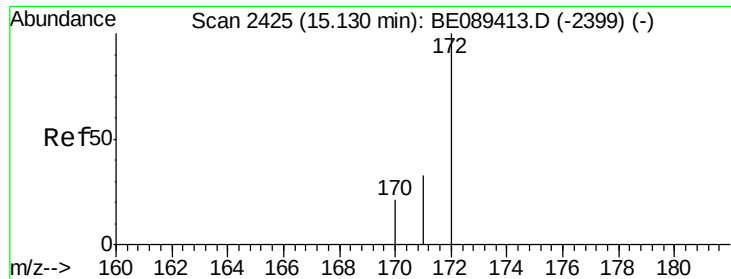


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

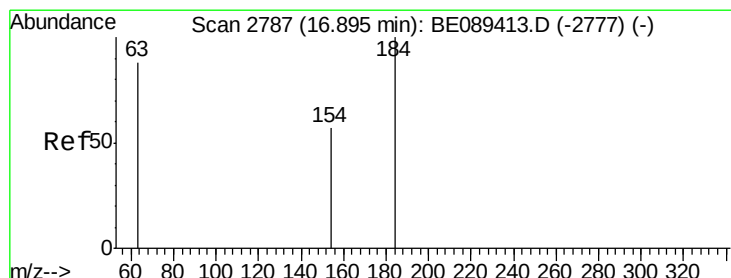
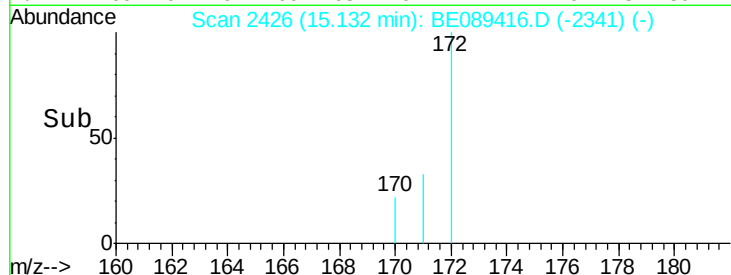
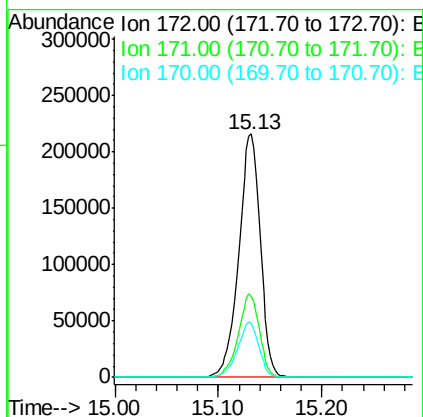
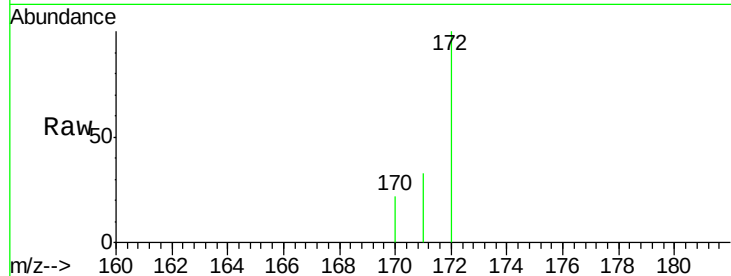




#15
2-Fluorobiphenyl
Concen: 9.11 ng
RT: 15.13 min Scan# 2426
Delta R.T. 0.00 min
Lab File: BE089416.D
Acq: 29 Jan 2015 15:19

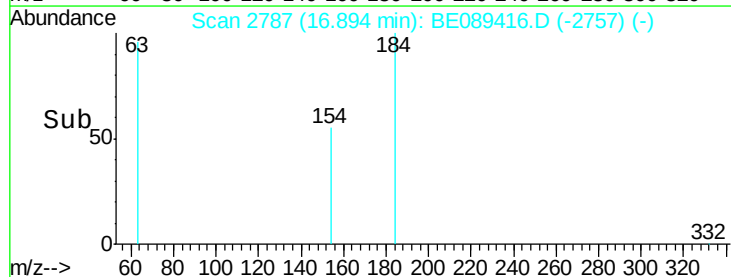
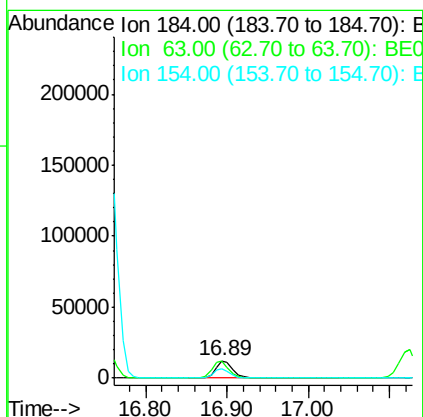
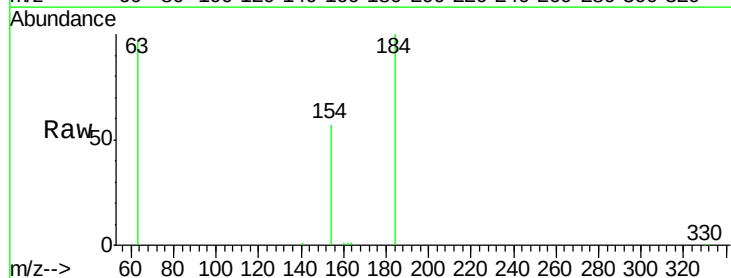
Instrument :
BNA_E
LabSampleId :
SSTDICC010

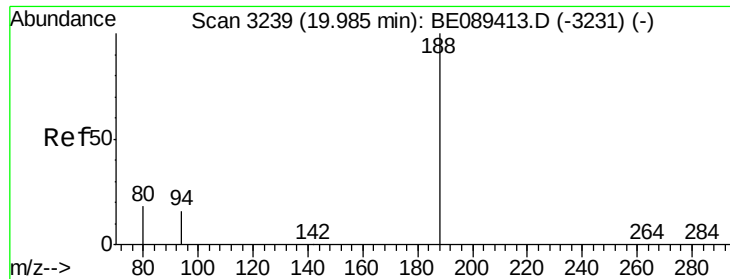
Tgt Ion:172 Resp: 311665
Ion Ratio Lower Upper
172 100
171 33.3 26.6 39.8
170 22.3 17.1 25.7



#16
2,4-Dinitrophenol
Concen: 22.56 ng
RT: 16.89 min Scan# 2787
Delta R.T. -0.00 min
Lab File: BE089416.D
Acq: 29 Jan 2015 15:19

Tgt Ion:184 Resp: 17342
Ion Ratio Lower Upper
184 100
63 97.1 79.0 118.4
154 56.8 55.8 83.6

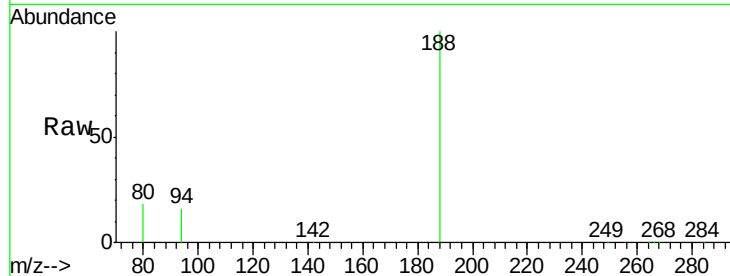




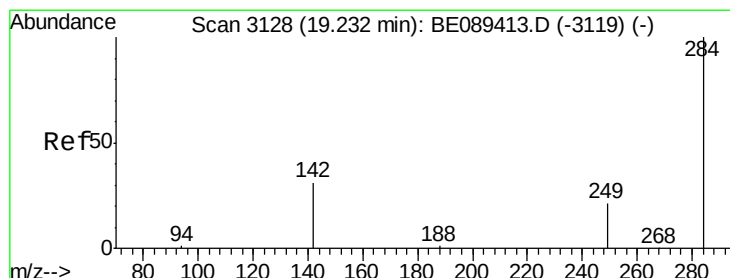
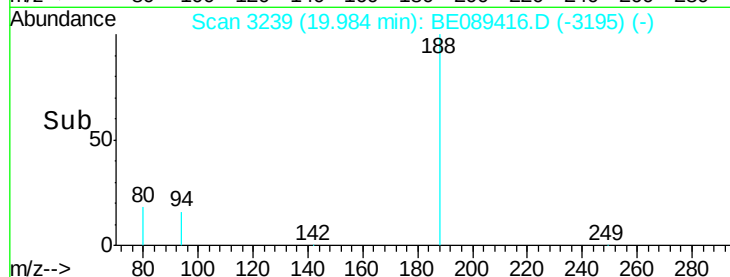
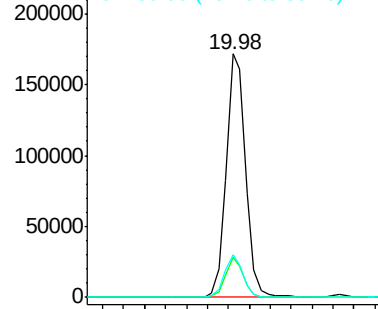
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.98 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BE089416.D
Acq: 29 Jan 2015 15:19

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tgt Ion:188 Resp: 221484
Ion Ratio Lower Upper
188 100
94 16.2 13.0 19.6
80 17.7 14.2 21.4

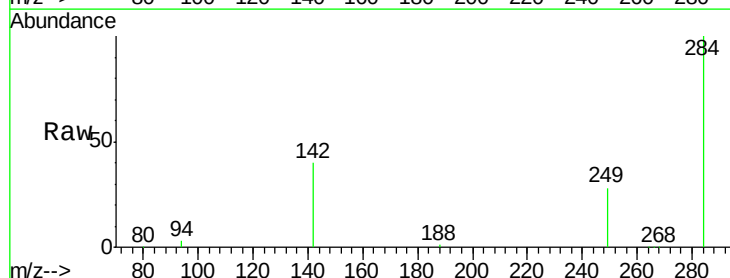


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

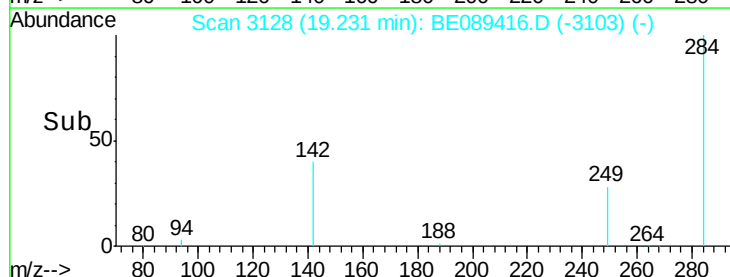
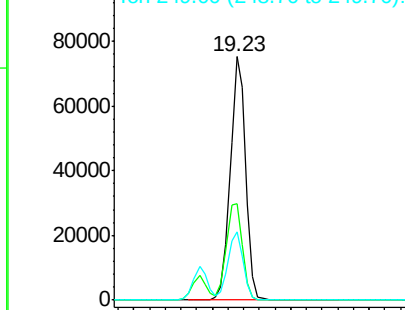


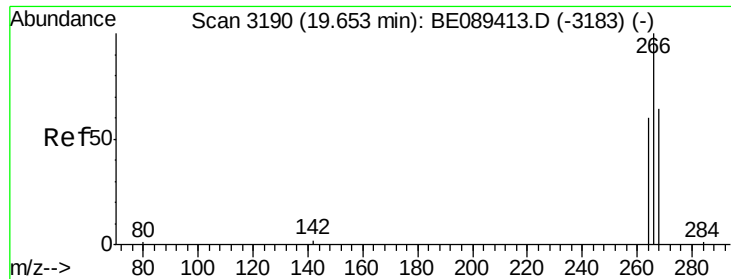
#18
Hexachlorobenzene
Concen: 9.93 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089416.D
Acq: 29 Jan 2015 15:19

Tgt Ion:284 Resp: 102359
Ion Ratio Lower Upper
284 100
142 39.6 28.3 42.5
249 28.0 19.9 29.9



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

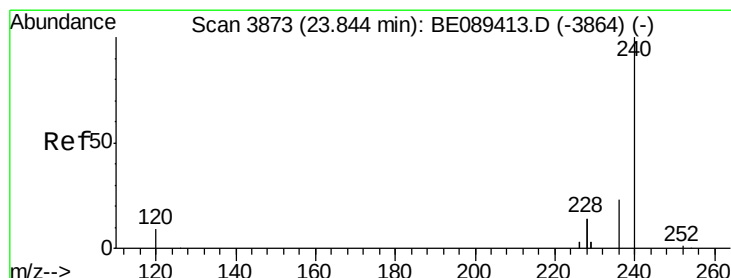
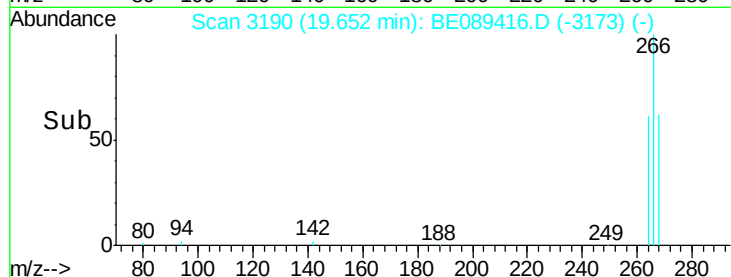
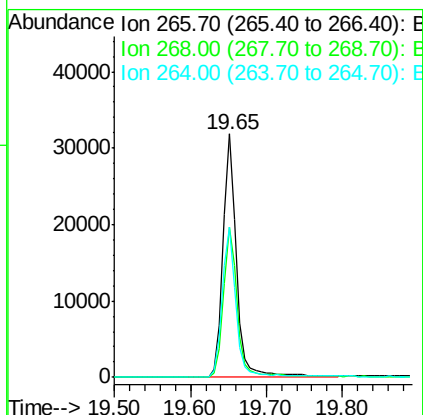
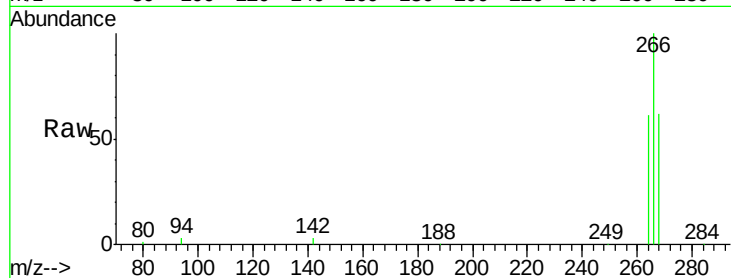




#19
 Pentachlorophenol
 Concen: 20.00 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. -0.00 min
 Lab File: BE089416.D
 Acq: 29 Jan 2015 15:19

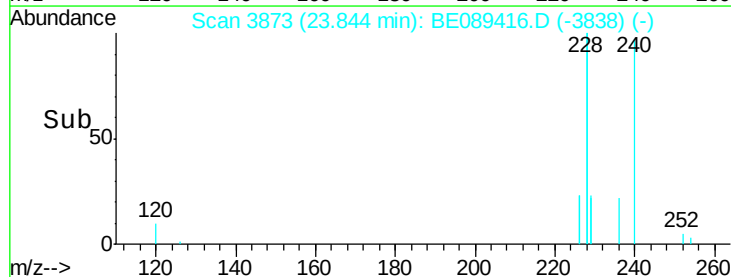
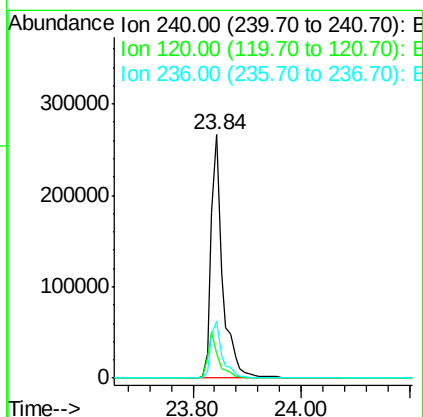
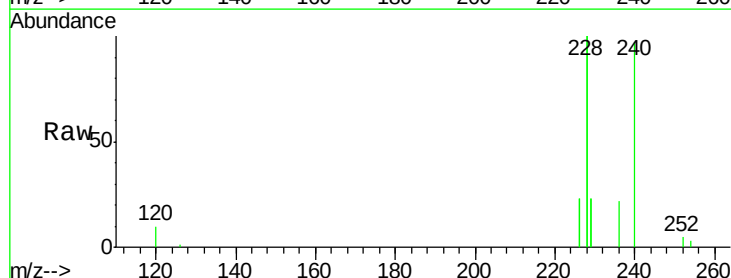
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

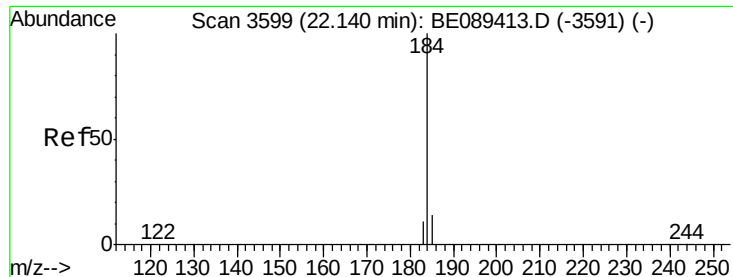
Tgt Ion: 266 Resp: 39658
 Ion Ratio Lower Upper
 266 100
 268 61.9 51.9 77.9
 264 61.5 48.5 72.7



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3873
 Delta R.T. -0.00 min
 Lab File: BE089416.D
 Acq: 29 Jan 2015 15:19

Tgt Ion: 240 Resp: 389397
 Ion Ratio Lower Upper
 240 100
 120 10.1 6.9 10.3
 236 23.2 18.2 27.2





#21

Benzidine

Concen: 12.14 ng

RT: 22.14 min Scan# 3599

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

Instrument :

BNA_E

LabSampleId :

SSTDIC010

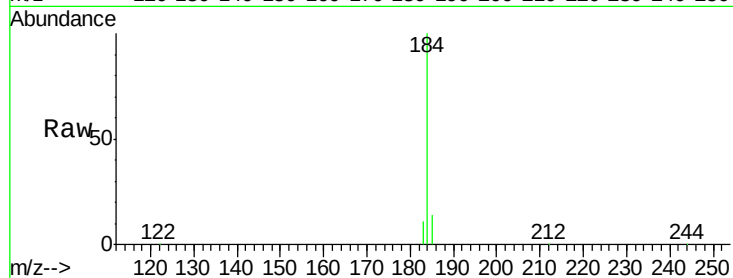
Tgt Ion:184 Resp: 383031

Ion Ratio Lower Upper

184 100

185 13.8 11.0 16.6

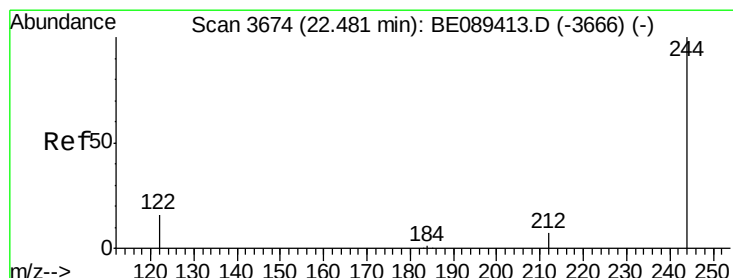
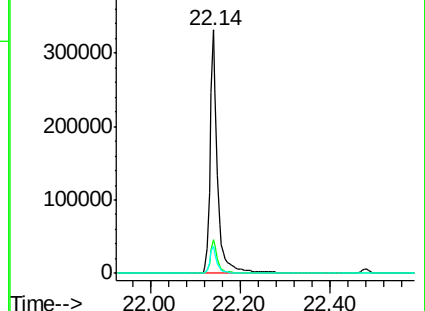
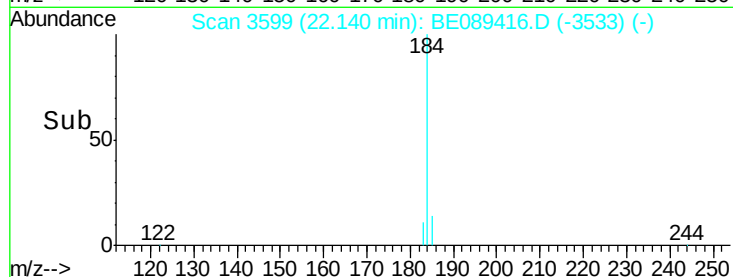
183 11.2 8.6 13.0



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: 9.65 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

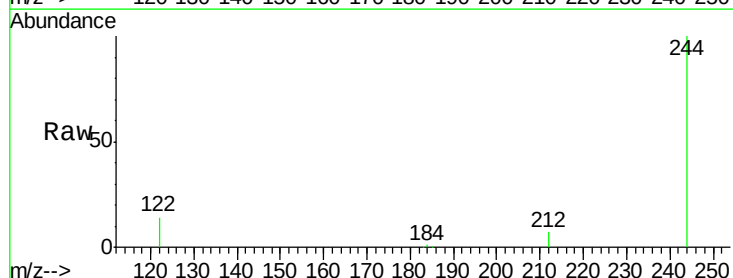
Tgt Ion:244 Resp: 415343

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

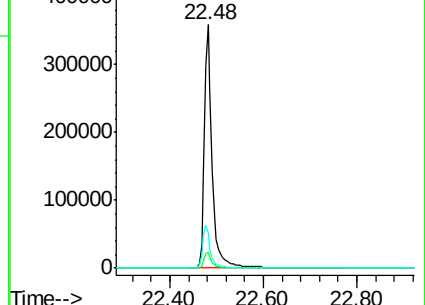
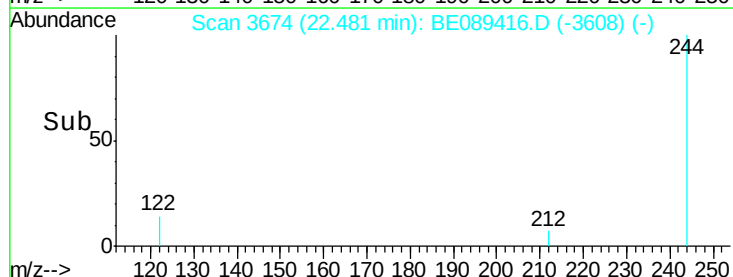
122 14.2 13.2 19.8

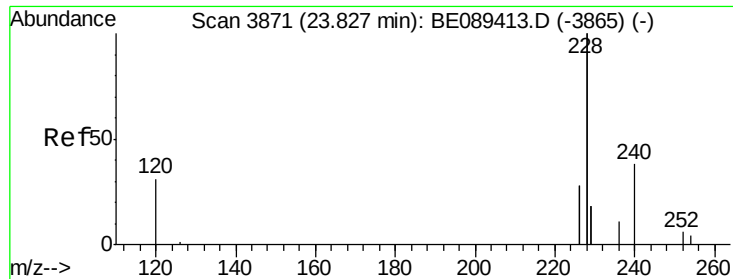


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 9.31 ng

RT: 23.83 min Scan# 3871

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

Instrument :

BNA_E

LabSampleId :

SSTDIC010

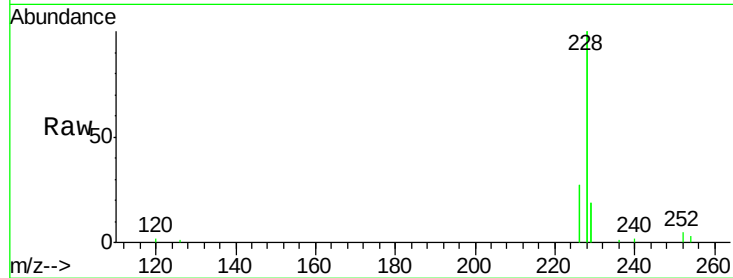
Tgt Ion:228 Resp: 3286058

Ion Ratio Lower Upper

228 100

226 26.7 22.6 33.8

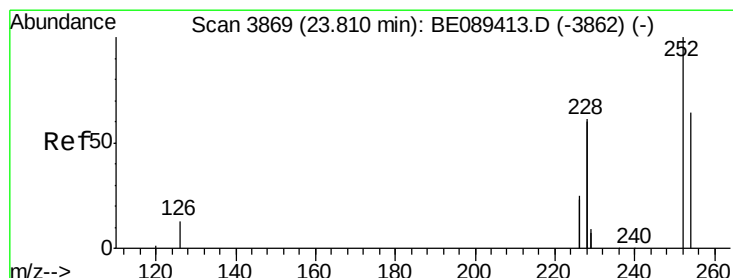
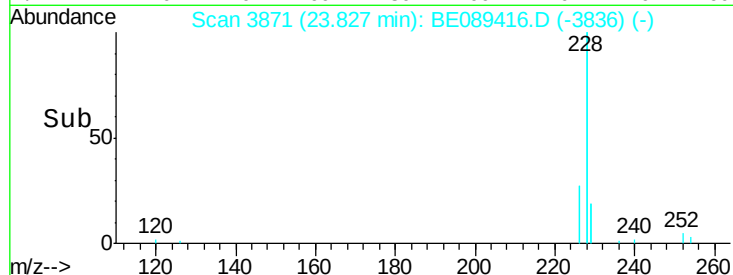
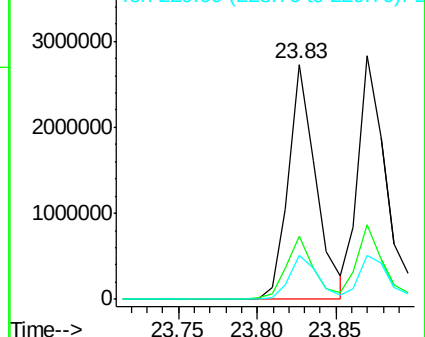
229 18.9 14.5 21.7



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: 12.37 ng

RT: 23.81 min Scan# 3869

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

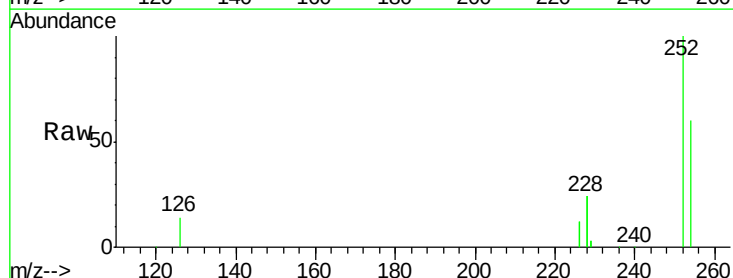
Tgt Ion:252 Resp: 348397

Ion Ratio Lower Upper

252 100

254 60.5 51.1 76.7

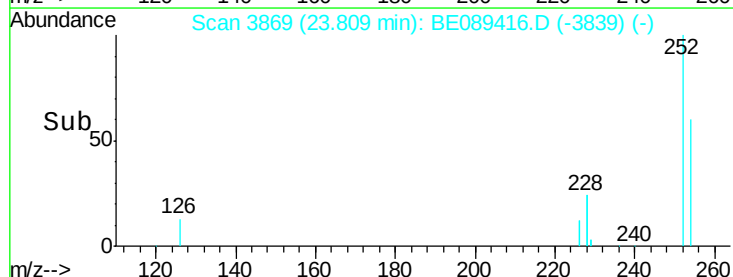
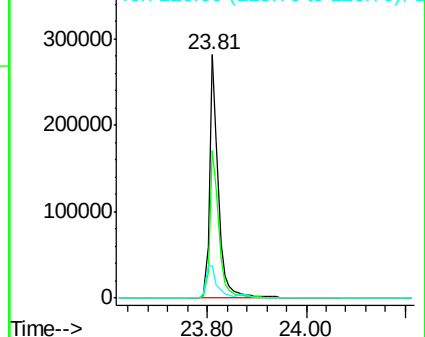
126 13.5 11.5 17.3

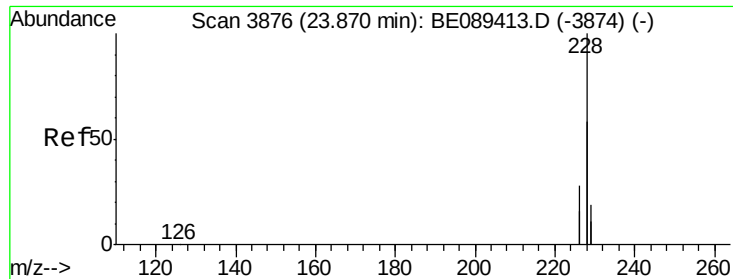


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 8.59 ng

RT: 23.87 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

Instrument :

BNA_E

LabSampleId :

SSTDIC010

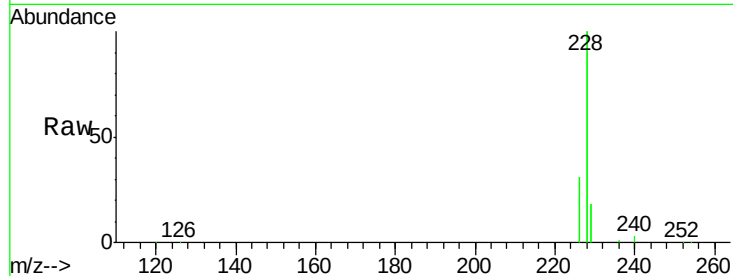
Tgt Ion:228 Resp: 3743672

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

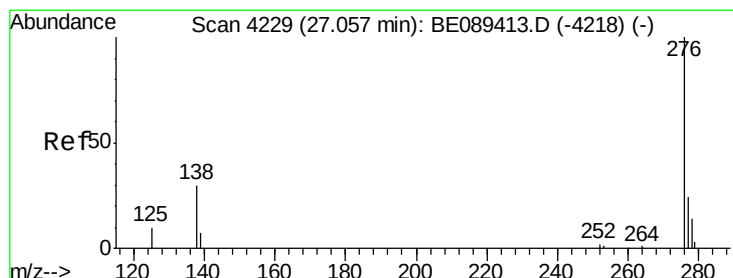
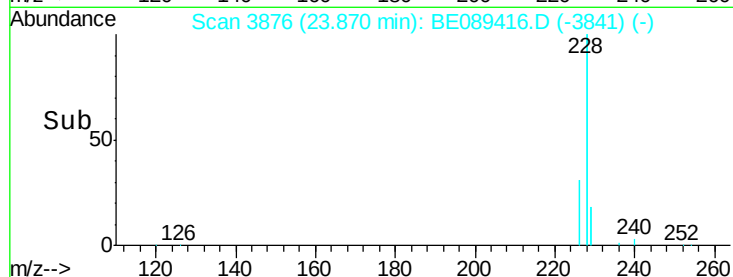
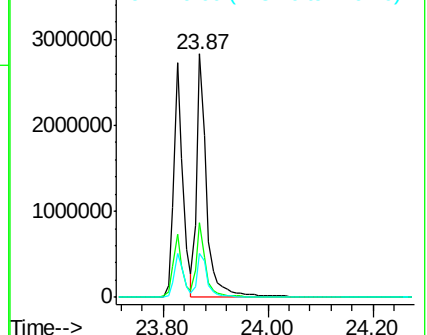
229 18.1 15.5 23.3



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: 14.00 ng

RT: 27.07 min Scan# 4231

Delta R.T. 0.02 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

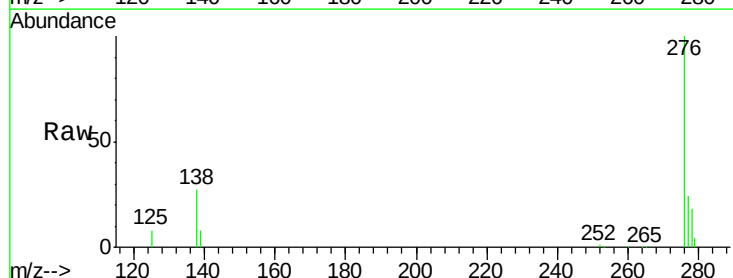
Tgt Ion:276 Resp: 1411226

Ion Ratio Lower Upper

276 100

138 32.6 0.0 0.0#

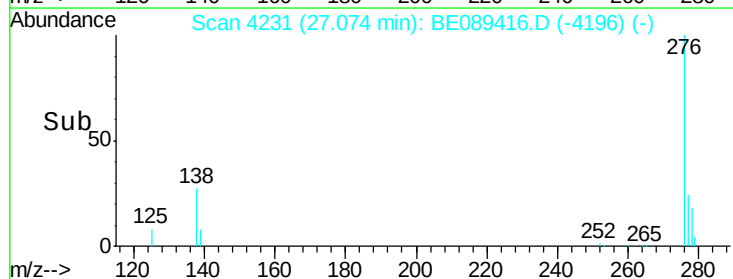
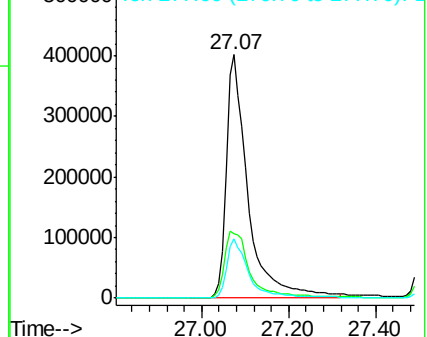
277 24.9 0.0 0.0#

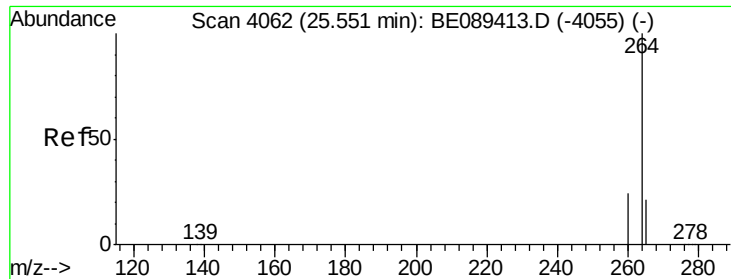


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

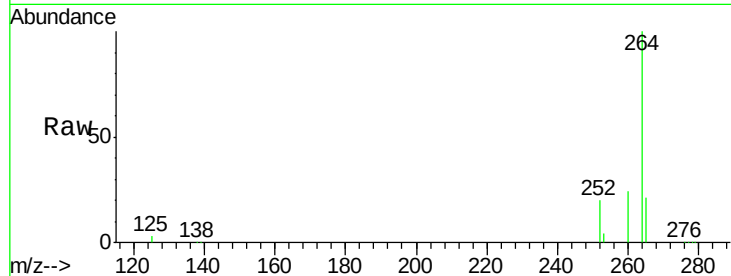




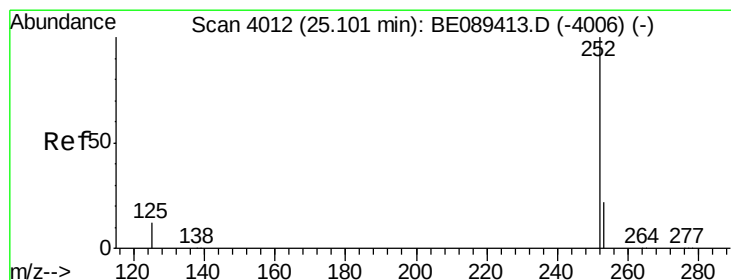
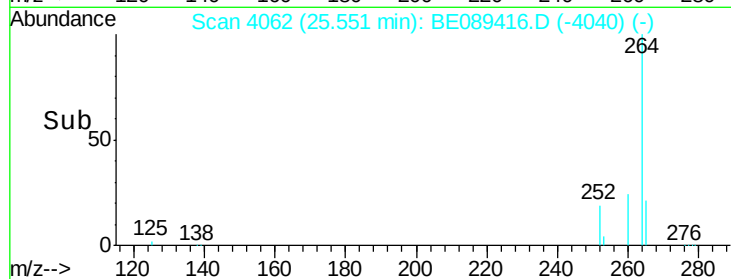
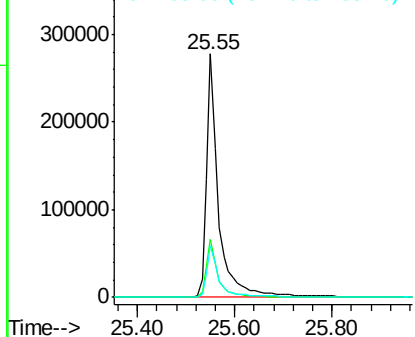
#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4062
 Delta R.T. -0.00 min
 Lab File: BE089416.D
 Acq: 29 Jan 2015 15:19

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Tgt Ion: 264 Resp: 479544
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.0
 265 21.4 17.1 25.7

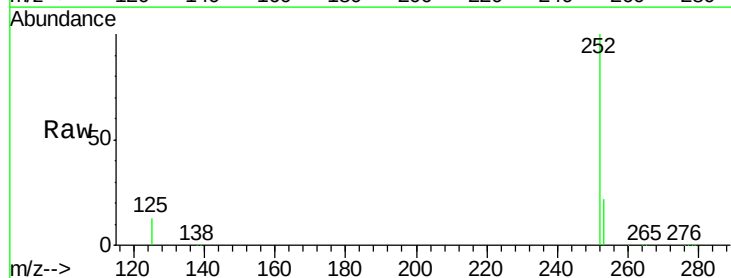


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

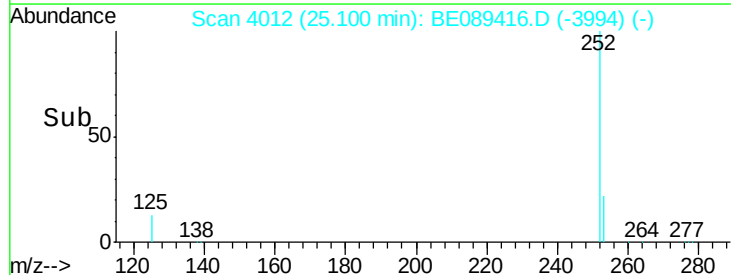
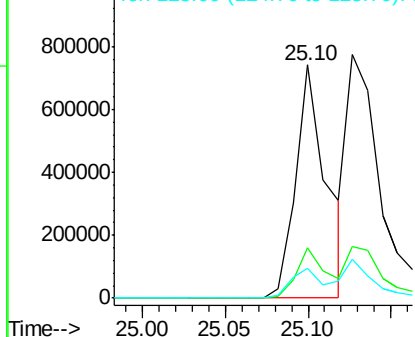


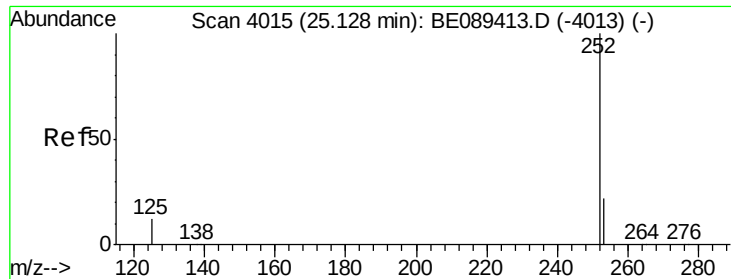
#28
Benzo(b)fluoranthene
 Concen: 15.68 ng
 RT: 25.10 min Scan# 4012
 Delta R.T. -0.00 min
 Lab File: BE089416.D
 Acq: 29 Jan 2015 15:19

Tgt Ion: 252 Resp: 952848
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.6 26.4
 125 12.9 10.5 15.7



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: 8.90 ng

RT: 25.13 min Scan# 4015

Delta R.T. -0.00 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

Instrument :

BNA_E

LabSampleId :

SSTDICC010

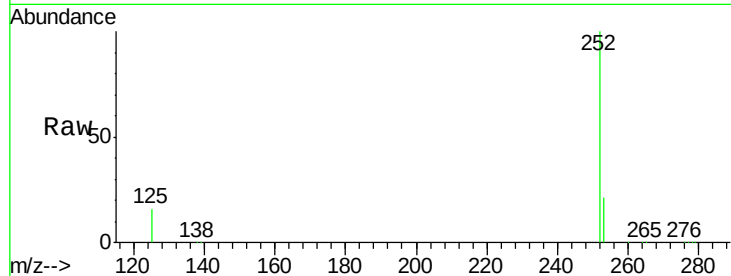
Tgt Ion:252 Resp: 1223796

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.2

125 15.8 11.0 16.6

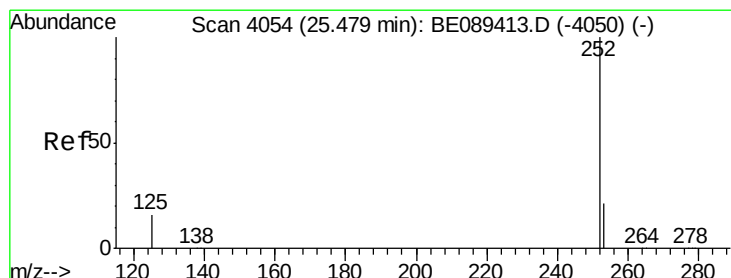
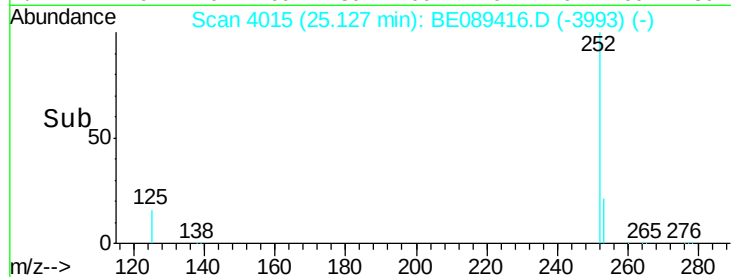
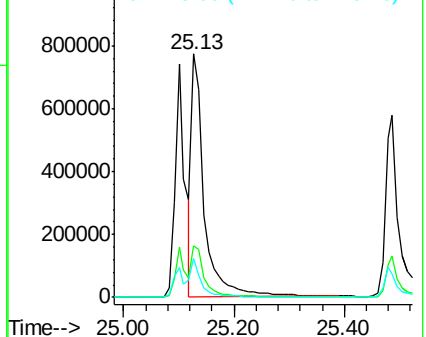


Abundance

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



#30

Benzo(a)pyrene

Concen: 14.88 ng

RT: 25.49 min Scan# 4055

Delta R.T. 0.01 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

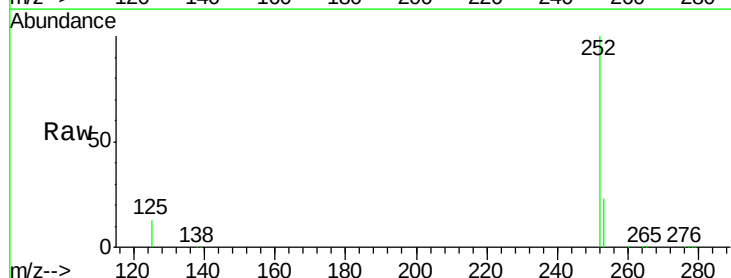
Tgt Ion:252 Resp: 1095895

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 12.8 13.0 19.6#

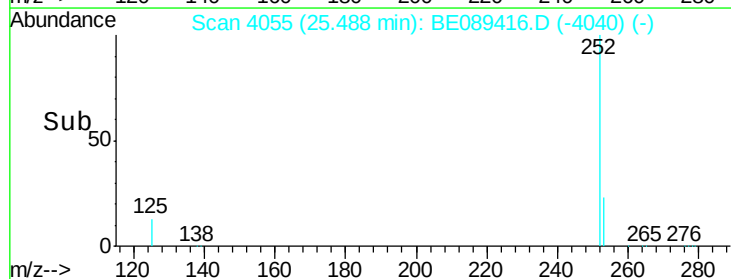
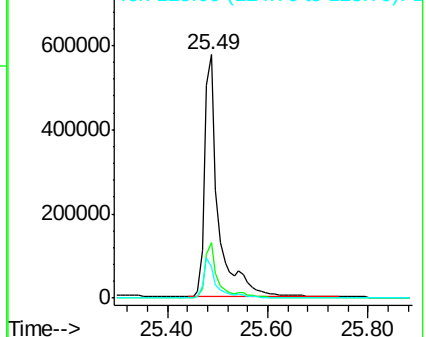


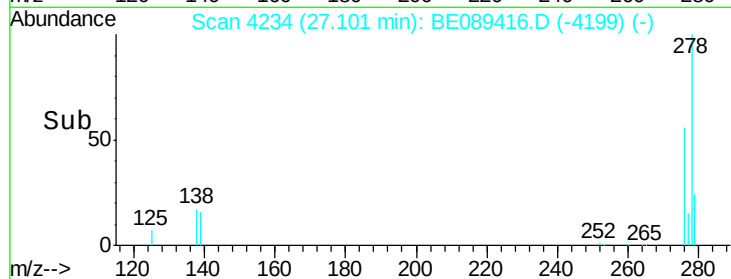
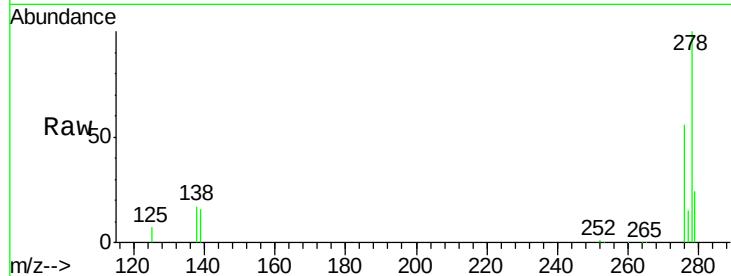
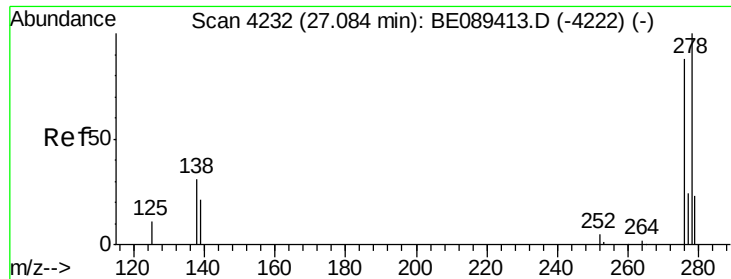
Abundance

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





#31

Dibenzo(a,h)anthracene

Concen: 15.19 ng

RT: 27.10 min Scan# 4234

Delta R.T. 0.02 min

Lab File: BE089416.D

Acq: 29 Jan 2015 15:19

Instrument :

BNA_E

LabSampleId :

SSTDIC010

Tgt Ion:278 Resp: 1143764

Ion Ratio Lower Upper

278 100

139 16.3 17.2 25.8#

279 24.1 19.2 28.8

