

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012915\
 Data File : BE089417.D
 Acq On : 29 Jan 2015 17:06
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 30 06:08:55 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 03:48:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	126812	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	467790	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	181160	5.00	ng	0.00
17) Phenanthrene-d10	19.98	188	354641	5.00	ng	0.00
20) Chrysene-d12	23.84	240	437157	5.00	ng	0.00
27) Perylene-d12	25.55	264	430606	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.73	112	45622	0.96	ng	0.00
4) Phenol-d6	8.84	99	54414	0.96	ng	0.00
8) Nitrobenzene-d5	10.84	82	37282	0.98	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	4697	0.94	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	49510	0.98	ng	0.00
22) Terphenyl-d14	22.48	244	50749	1.00	ng	0.00

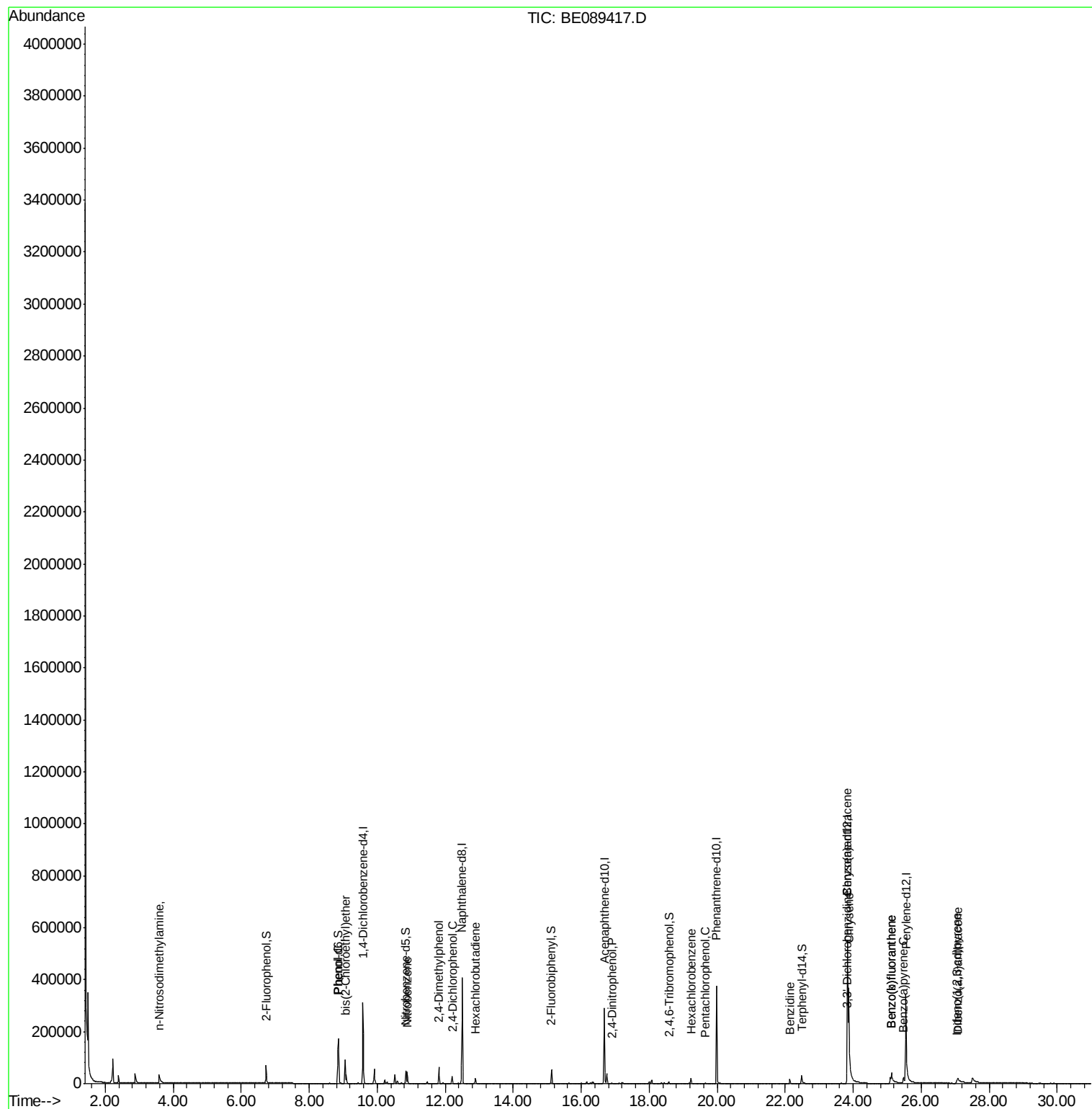
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.58	42	26368	1.06	ng	# 86
5) Phenol	8.87	94	59413	0.96	ng	99
6) bis(2-Chloroethyl)ether	9.06	93	44527	0.96	ng	# 99
9) Nitrobenzene	10.88	77	42534	0.98	ng	100
10) 2,4-Dimethylphenol	11.82	122	29830	0.97	ng	98
11) 2,4-Dichlorophenol	12.21	162	20639	0.96	ng	97
12) Hexachlorobutadiene	12.89	225	13613	0.94	ng	98
16) 2,4-Dinitrophenol	16.89	184	890	0.67	ng	88
18) Hexachlorobenzene	19.23	284	16810	0.97	ng	93
19) Pentachlorophenol	19.65	266	2368	0.73	ng	96
21) Benzidine	22.14	184	20079	0.53	ng	98
23) Benzo(a)anthracene	23.84	228	279256	0.84	ng	94
24) 3,3'-Dichlorobenzidine	23.81	252	19522	0.75	ng	98
25) Chrysene	23.87	228	450972	0.99	ng	100
26) Indeno(1,2,3-cd)pyrene	27.05	276	47070	0.60	ng	# 100
28) Benzo(b)fluoranthene	25.13	252	139968	3.30	ng	98
29) Benzo(k)fluoranthene	25.13	252	142714	1.27	ng	99
30) Benzo(a)pyrene	25.48	252	37214	0.71	ng	99
31) Dibenzo(a,h)anthracene	27.08	278	33028	0.63	ng	97

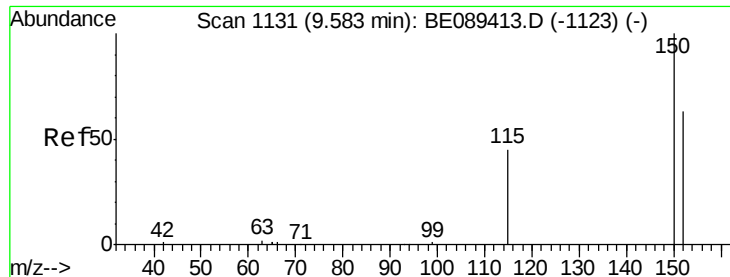
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

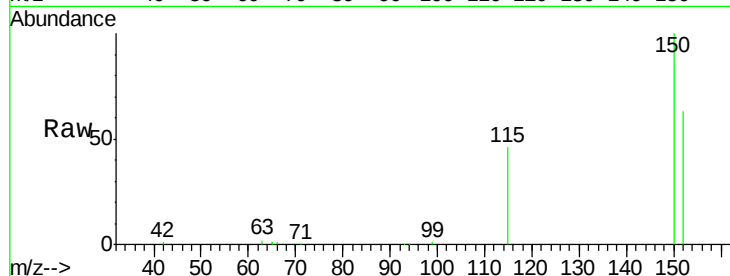
Tgt Ion: 152 Resp: 126812

Ion Ratio Lower Upper

152 100

150 159.5 126.1 189.1

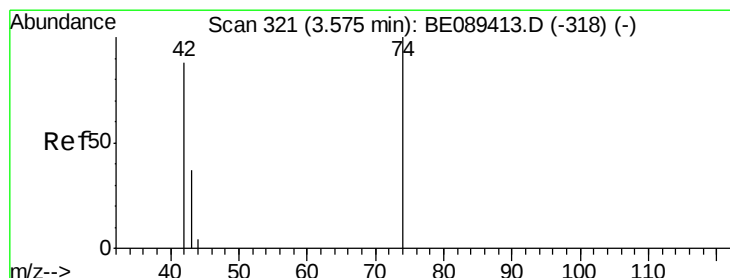
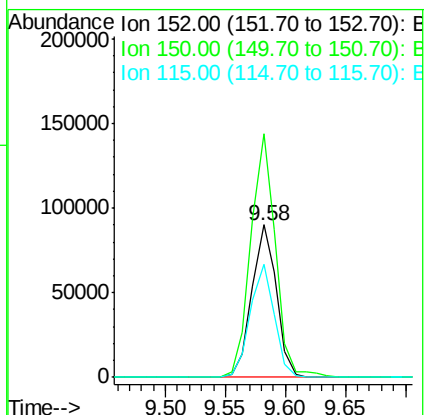
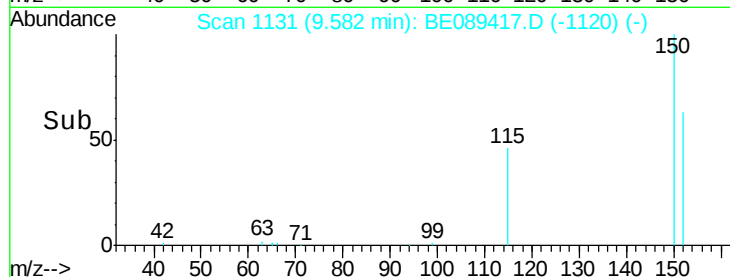
115 73.8 57.1 85.7



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: 1.06 ng

RT: 3.58 min Scan# 322

Delta R.T. 0.01 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

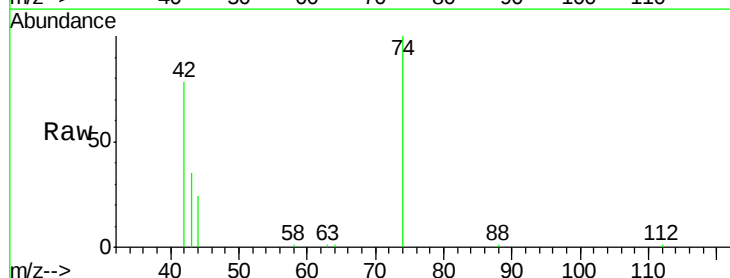
Tgt Ion: 42 Resp: 26368

Ion Ratio Lower Upper

42 100

74 128.5 90.2 135.2

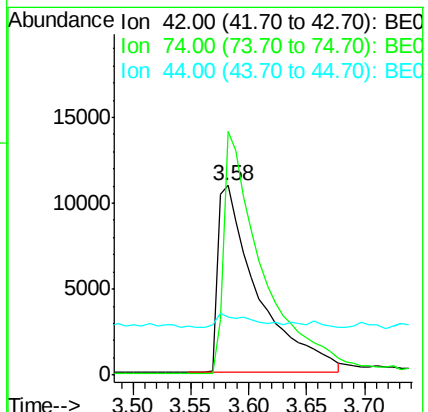
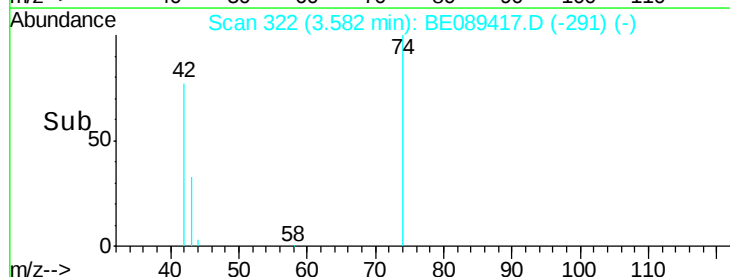
44 30.8 19.4 29.2#

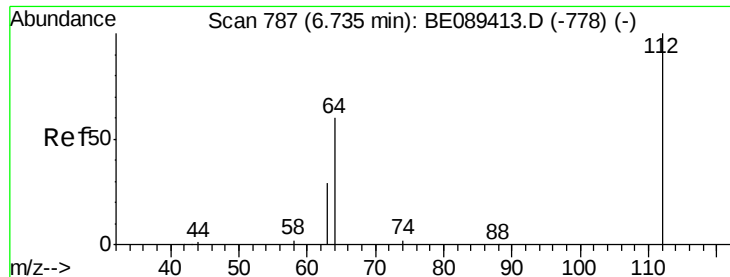


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

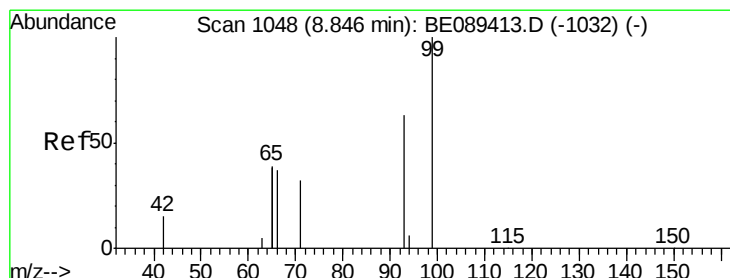
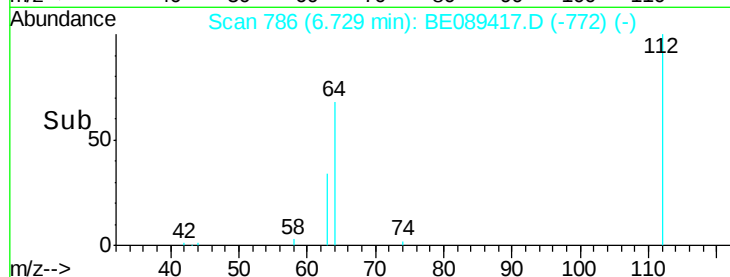
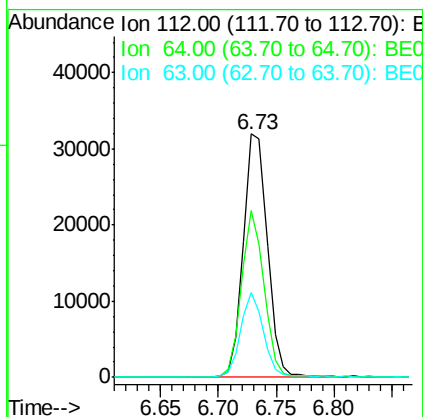
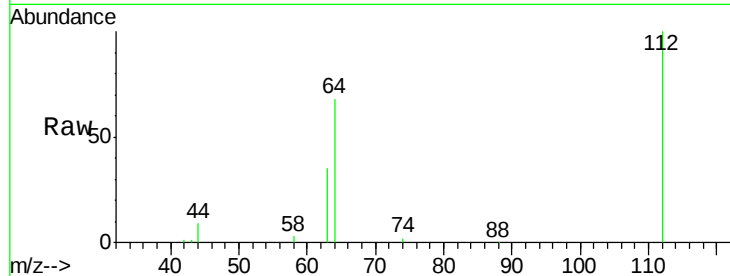




#3
 2-Fluorophenol
 Concen: 0.96 ng
 RT: 6.73 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BE089417.D
 Acq: 29 Jan 2015 17:06

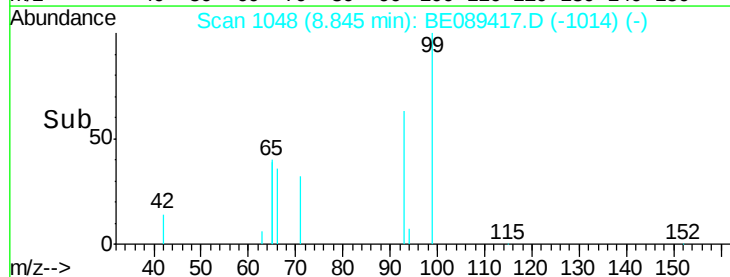
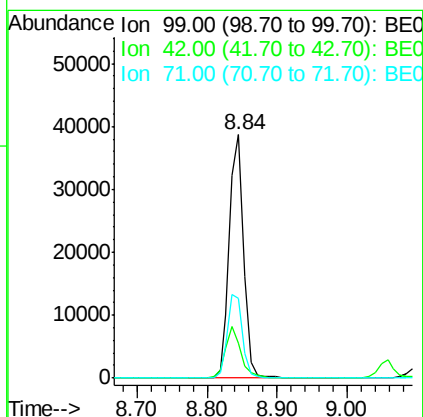
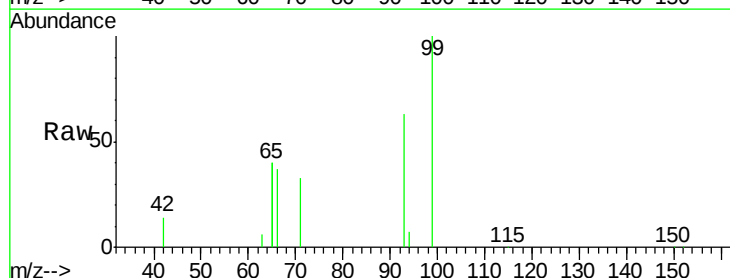
Instrument :
 BNA_E
 ClientSampleId :

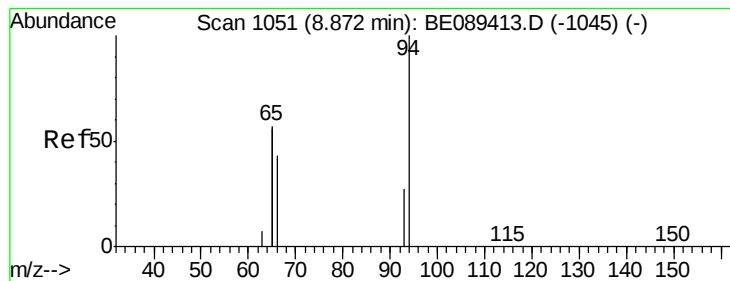
Tgt Ion: 112 Resp: 45622
 Ion Ratio Lower Upper
 112 100
 64 68.4 48.2 72.4
 63 34.8 23.5 35.3



#4
 Phenol-d6
 Concen: 0.96 ng
 RT: 8.84 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BE089417.D
 Acq: 29 Jan 2015 17:06

Tgt Ion: 99 Resp: 54414
 Ion Ratio Lower Upper
 99 100
 42 14.4 11.9 17.9
 71 32.6 25.8 38.6





#5

Phenol

Concen: 0.96 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampled :

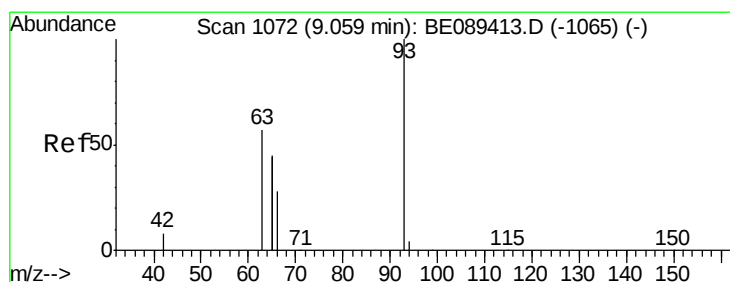
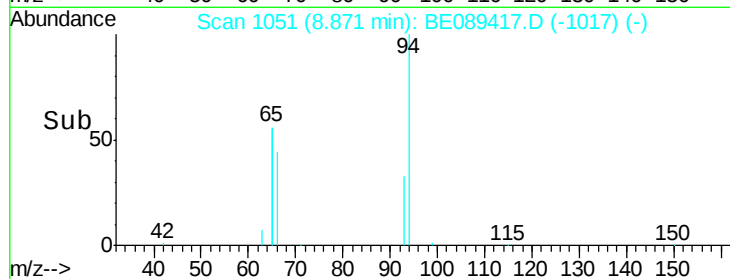
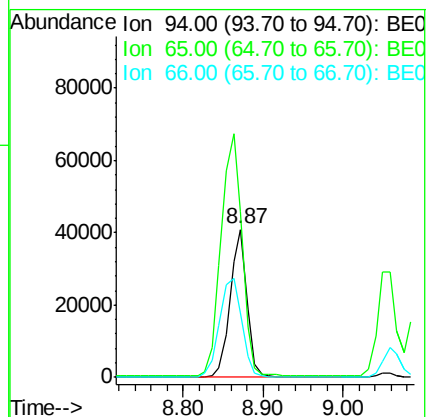
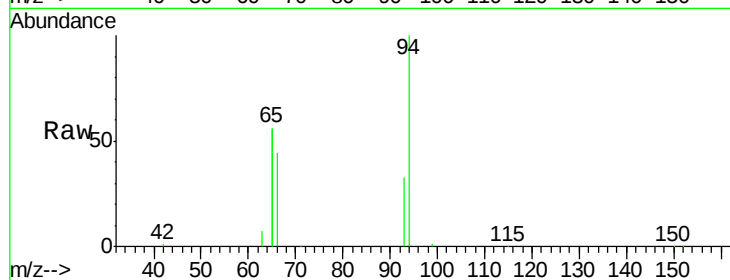
Tgt Ion: 94 Resp: 59413

Ion Ratio Lower Upper

94 100

65 112.3 93.3 133.3

66 44.0 23.6 63.6



#6

bis(2-Chloroethyl)ether

Concen: 0.96 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

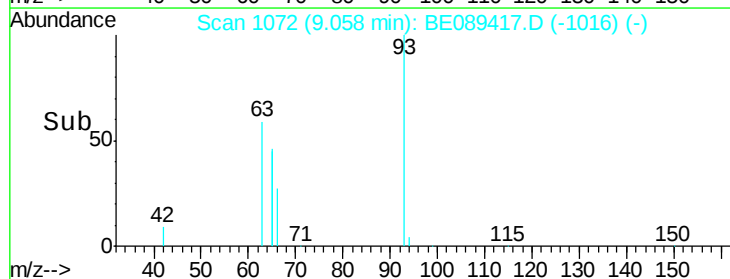
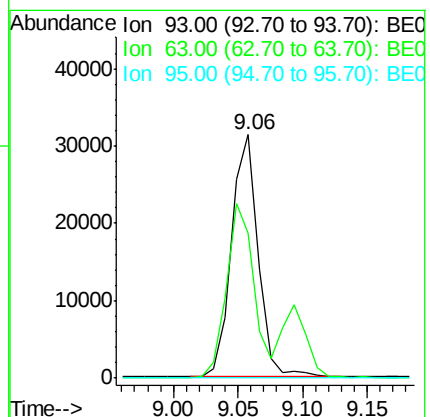
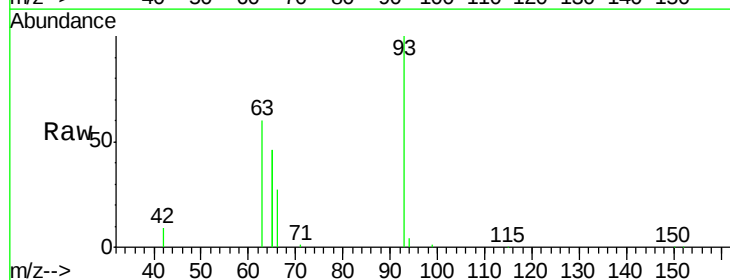
Tgt Ion: 93 Resp: 44527

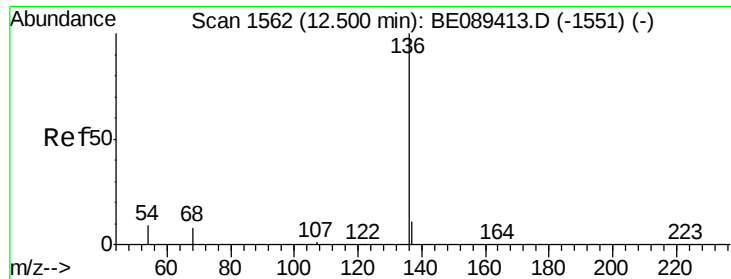
Ion Ratio Lower Upper

93 100

63 73.8 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: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

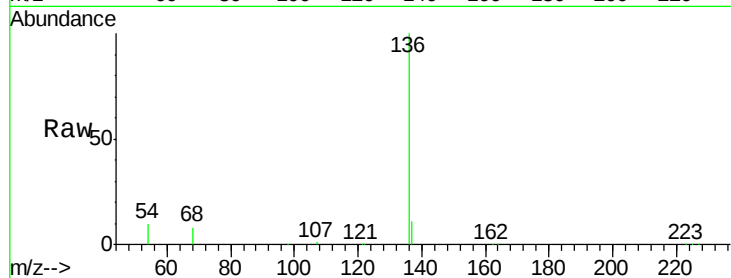
Tgt Ion: 136 Resp: 467790

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

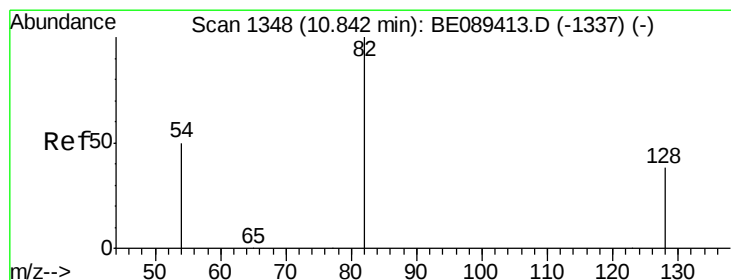
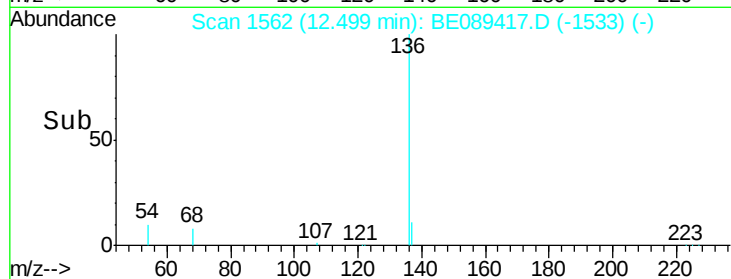
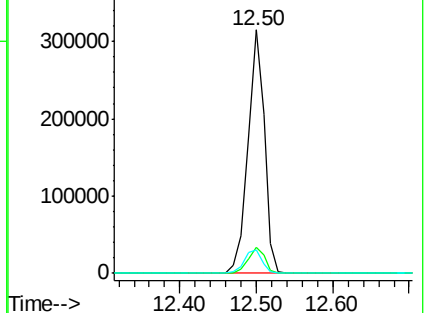
54 9.9 7.5 11.3



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: 0.98 ng

RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

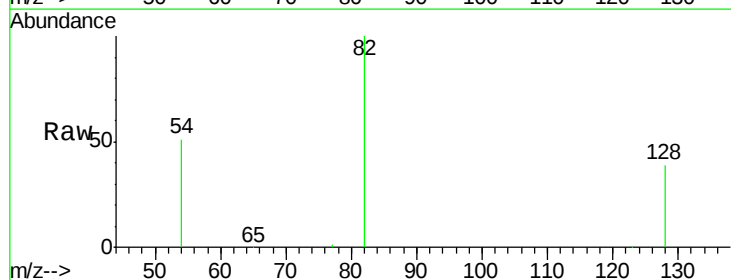
Tgt Ion: 82 Resp: 37282

Ion Ratio Lower Upper

82 100

128 39.3 31.0 46.4

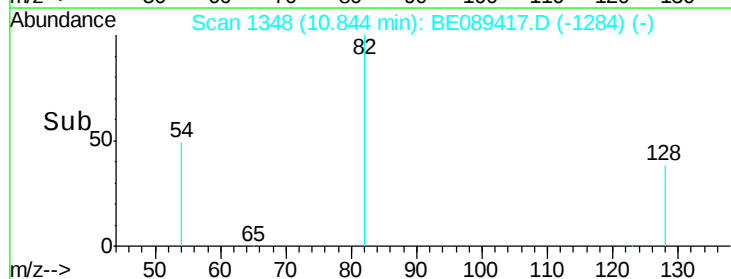
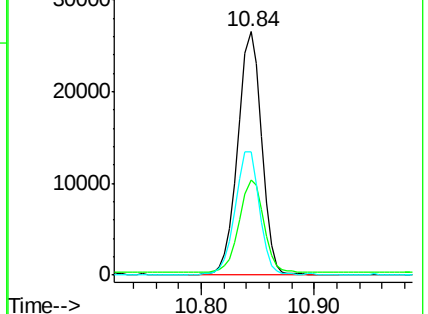
54 50.6 39.8 59.6

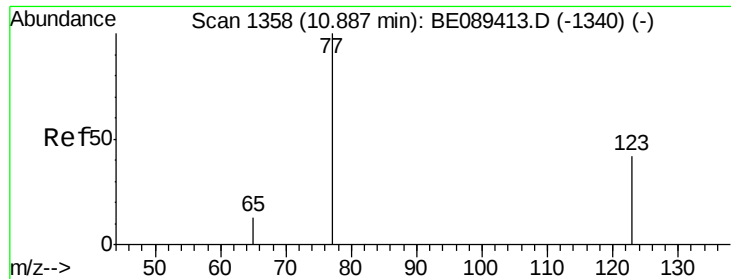


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.98 ng

RT: 10.88 min Scan# 1357

Delta R.T. -0.00 min

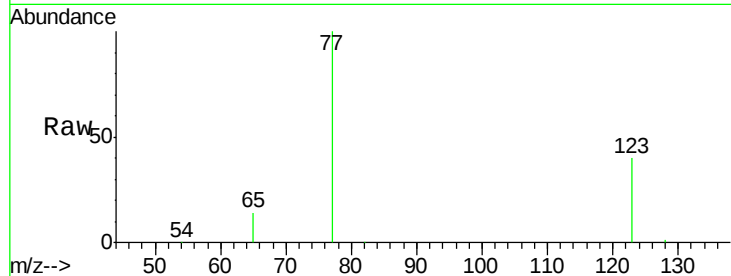
Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

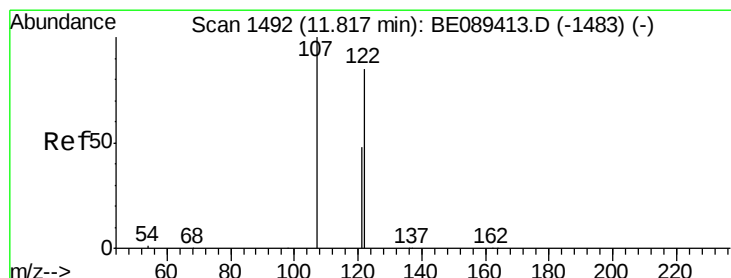
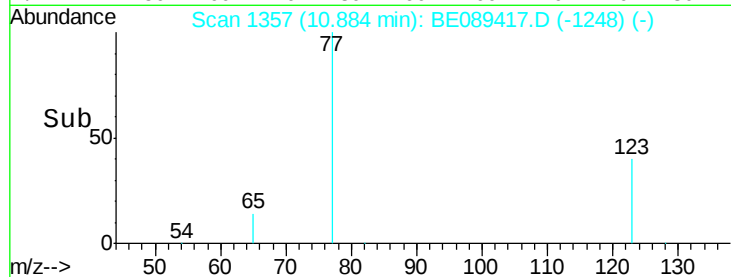
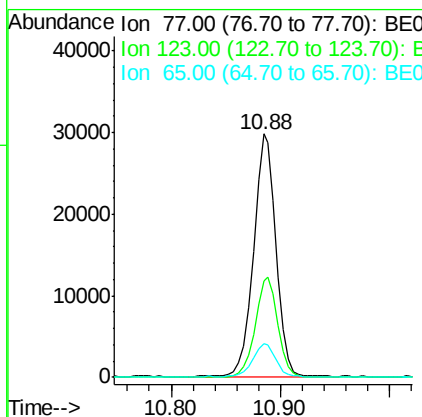
Instrument :

BNA_E

ClientSampleId :



Tgt Ion:	77	Resp:	42534
Ion	Ratio	Lower	Upper
77	100		
123	41.0	32.8	49.2
65	13.8	11.0	16.6



#10

2,4-Dimethylphenol

Concen: 0.97 ng

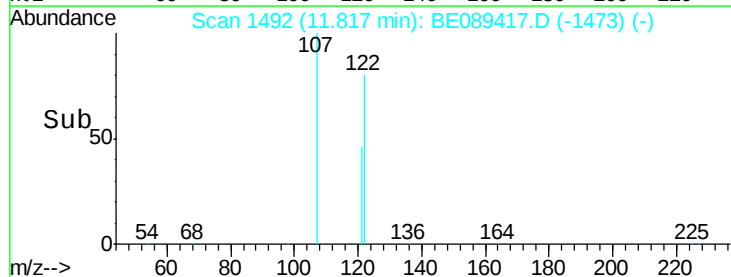
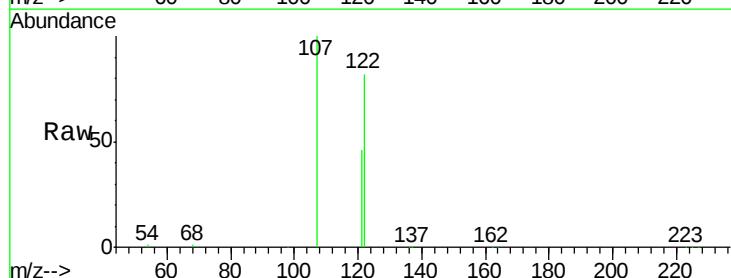
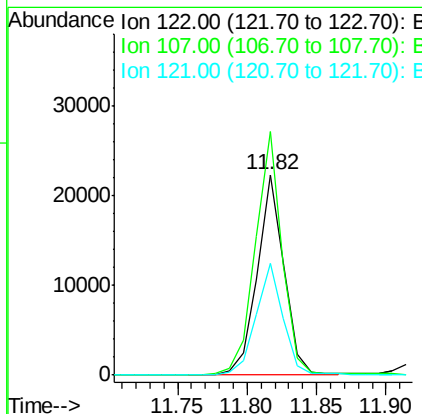
RT: 11.82 min Scan# 1492

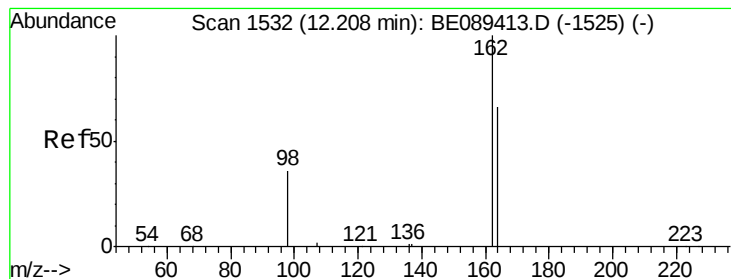
Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Tgt Ion:	122	Resp:	29830
Ion	Ratio	Lower	Upper
122	100		
107	121.6	94.6	142.0
121	56.1	45.8	68.6





#11

2,4-Dichlorophenol

Concen: 0.96 ng

RT: 12.21 min Scan# 1532

Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

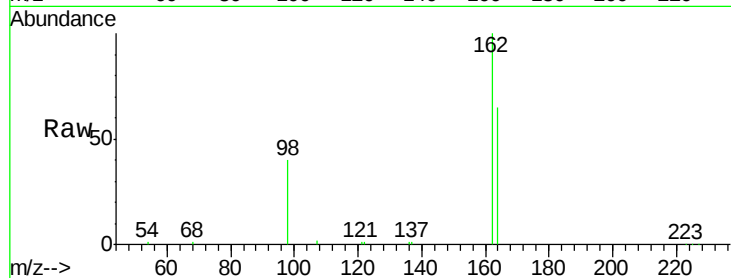
Tgt Ion:162 Resp: 20639

Ion Ratio Lower Upper

162 100

164 64.5 46.1 86.1

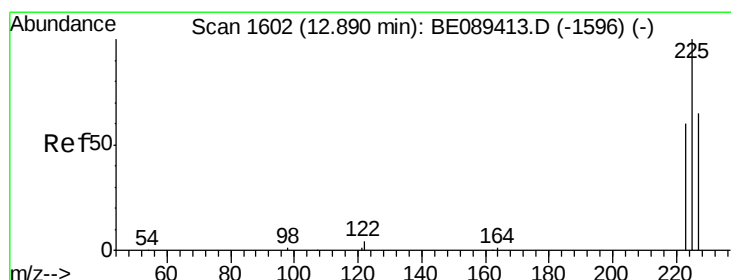
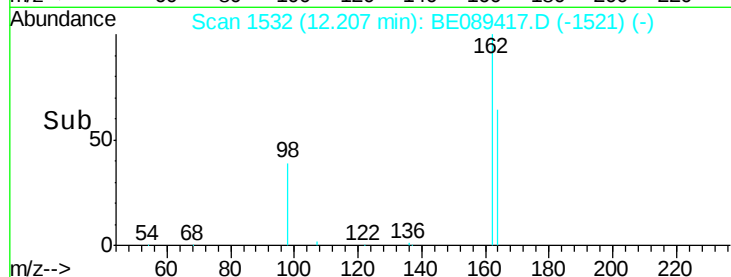
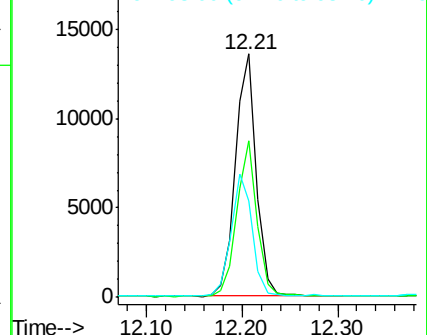
98 39.5 16.2 56.2



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: 0.94 ng

RT: 12.89 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

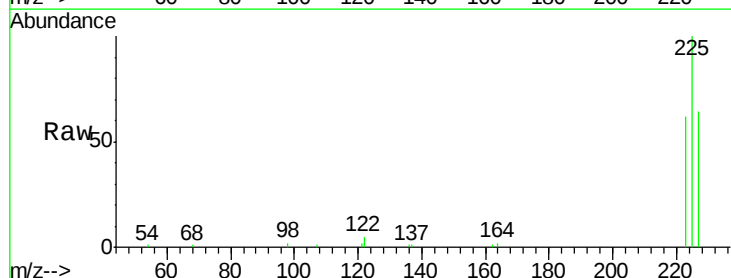
Tgt Ion:225 Resp: 13613

Ion Ratio Lower Upper

225 100

223 64.1 50.4 75.6

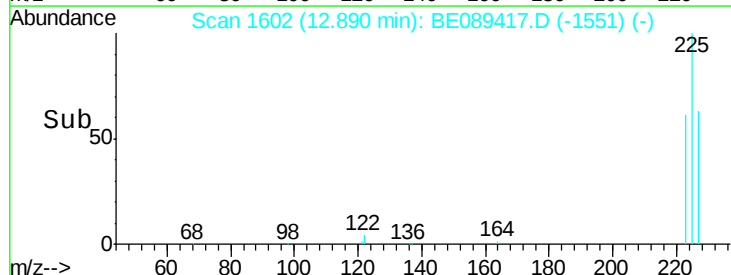
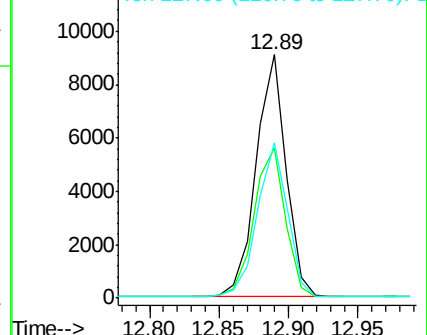
227 64.1 50.2 75.2

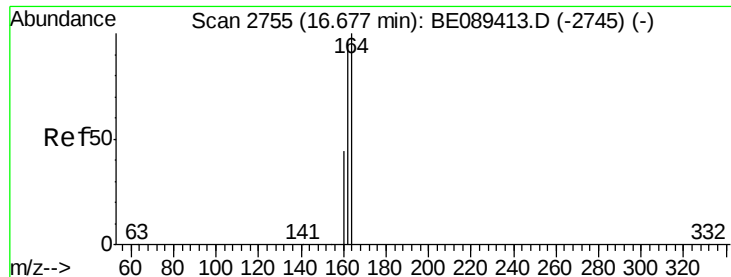


Abundance Ion 225.00 (224.70 to 225.70): E

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: 16.68 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

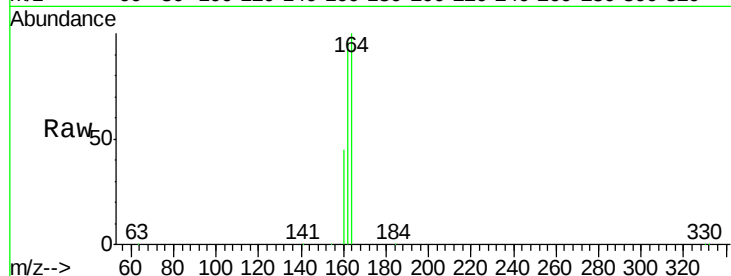
Tgt Ion:164 Resp: 181160

Ion Ratio Lower Upper

164 100

162 95.5 77.0 115.6

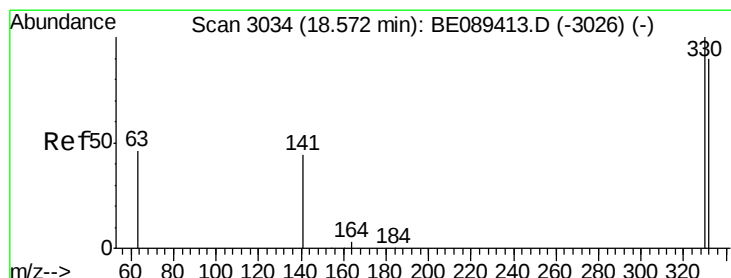
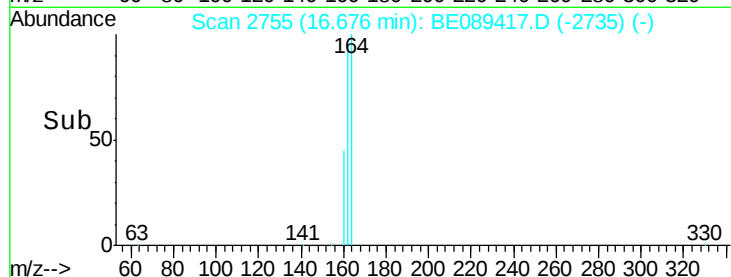
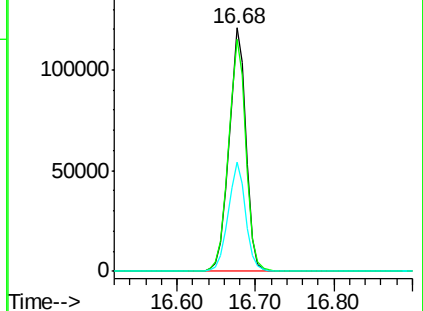
160 44.7 35.0 52.4



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: 0.94 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.01 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

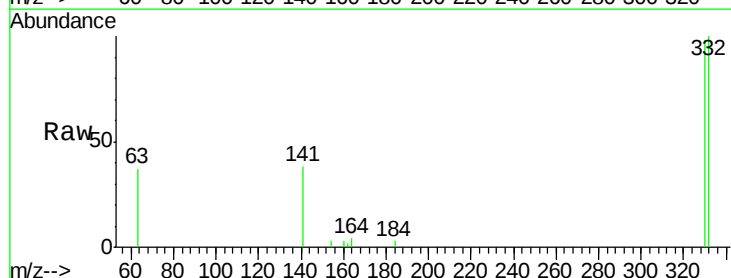
Tgt Ion:330 Resp: 4697

Ion Ratio Lower Upper

330 100

332 94.0 76.0 114.0

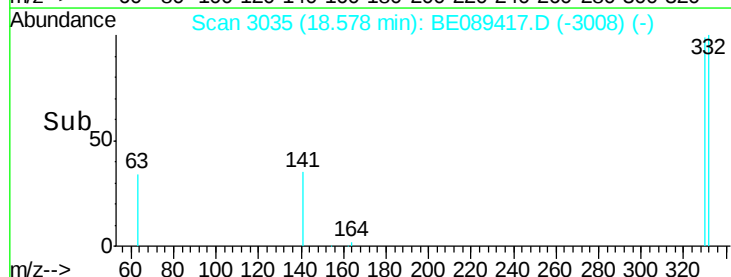
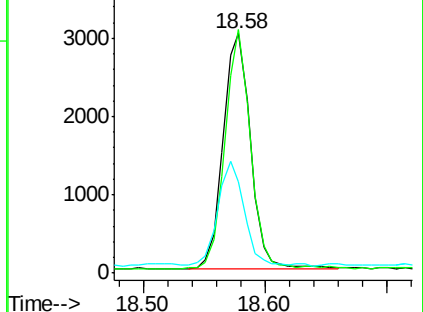
141 42.2 35.6 53.4

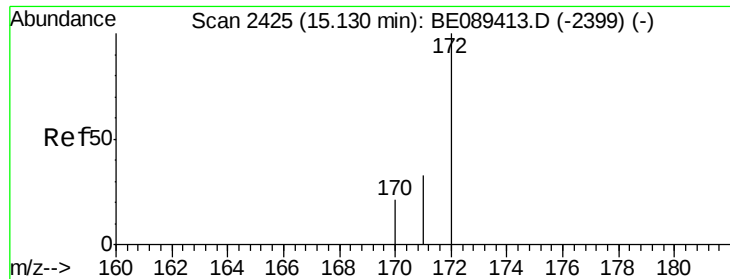


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

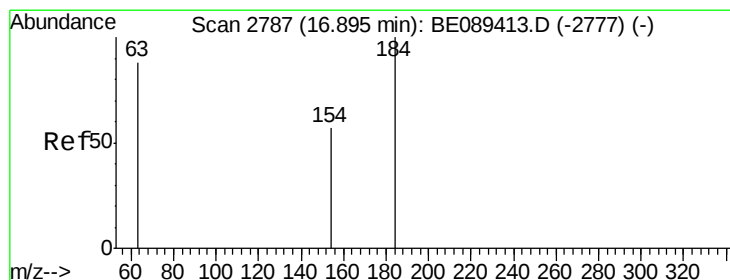
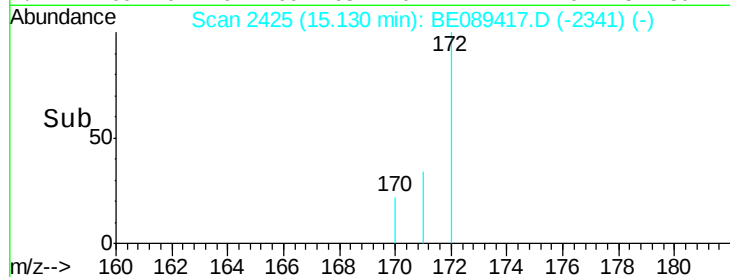
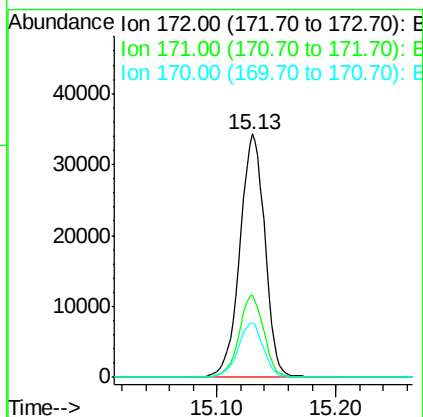
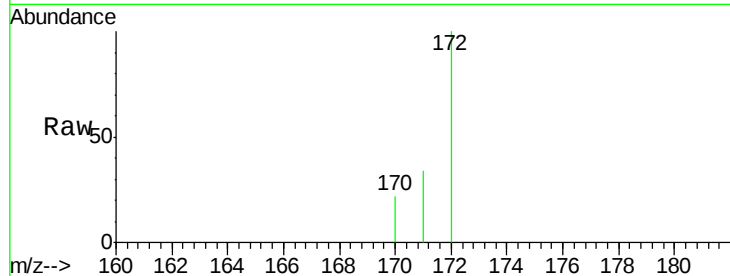




#15
2-Fluorobiphenyl
Concen: 0.98 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

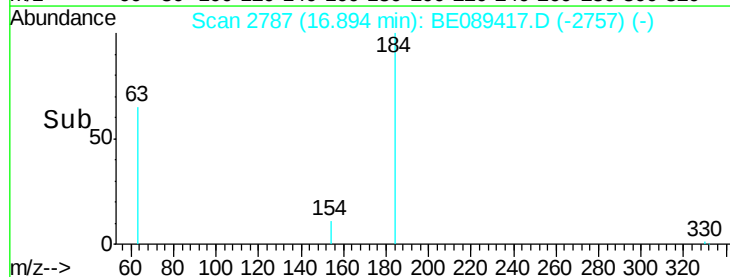
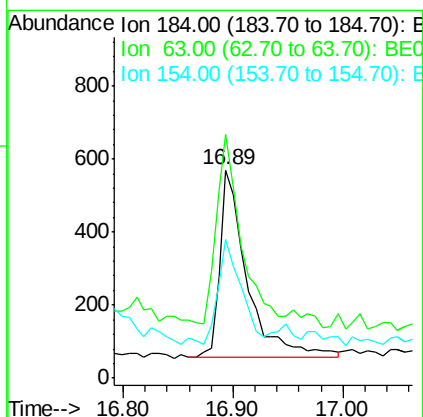
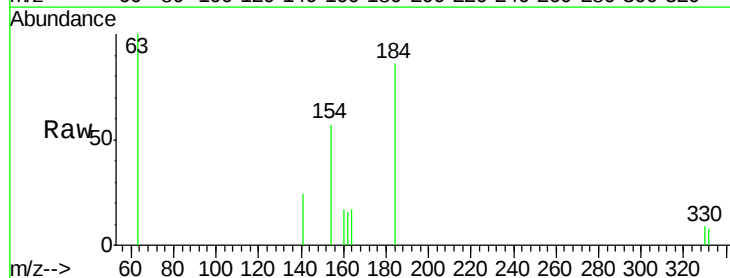
Instrument :
BNA_E
ClientSampleId :

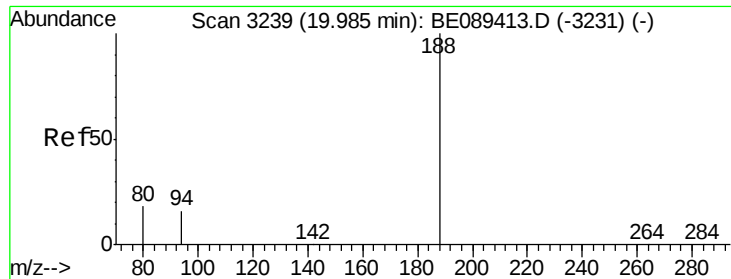
Tgt Ion:172 Resp: 49510
Ion Ratio Lower Upper
172 100
171 33.8 26.6 39.8
170 22.3 17.1 25.7



#16
2,4-Dinitrophenol
Concen: 0.67 ng
RT: 16.89 min Scan# 2787
Delta R.T. -0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Tgt Ion:184 Resp: 890
Ion Ratio Lower Upper
184 100
63 116.8 79.0 118.4
154 66.7 55.8 83.6

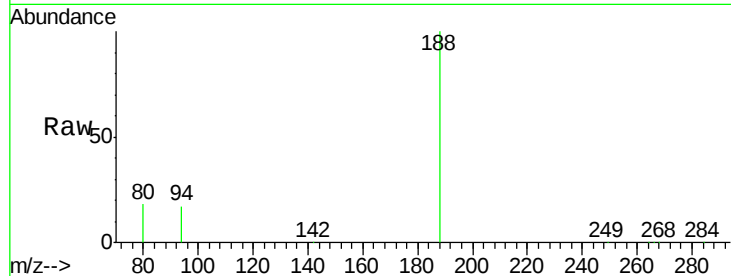




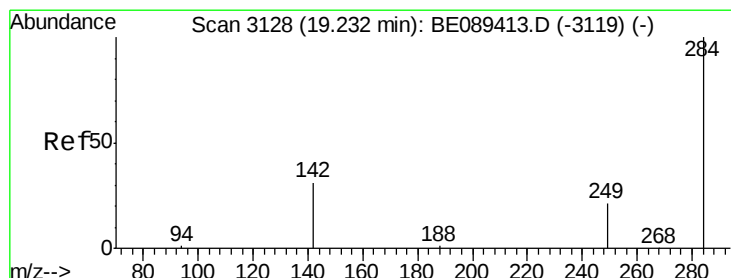
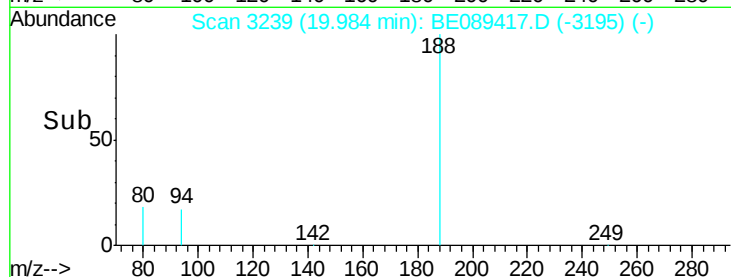
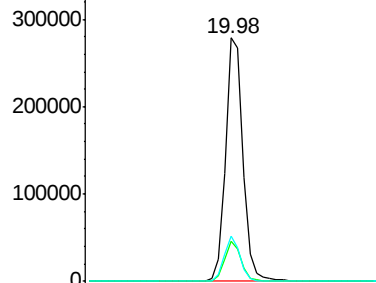
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.98 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 354641
Ion Ratio Lower Upper
188 100
94 16.7 13.0 19.6
80 18.3 14.2 21.4

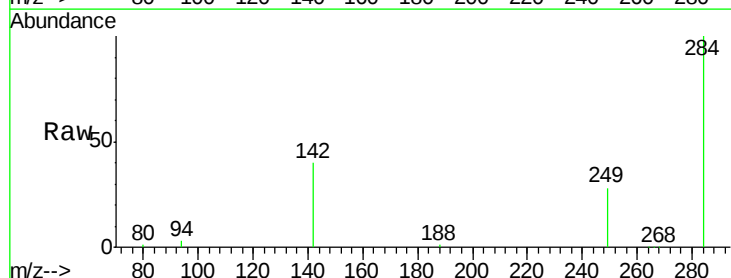


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE
Ion 80.00 (79.70 to 80.70): BE

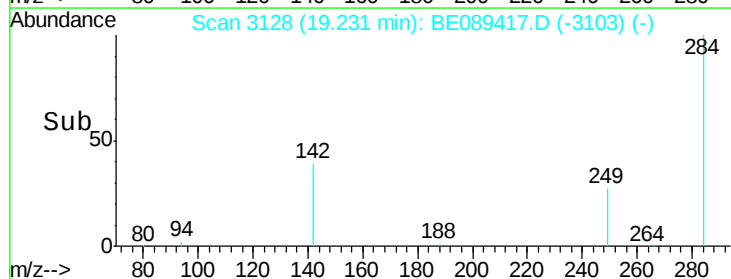
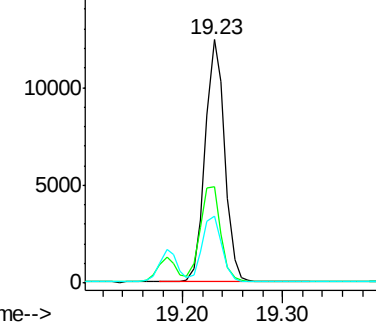


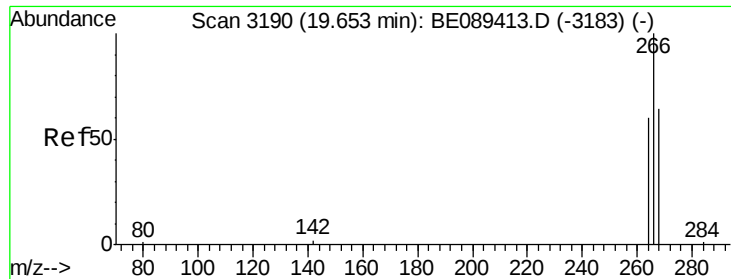
#18
Hexachlorobenzene
Concen: 0.97 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Tgt Ion:284 Resp: 16810
Ion Ratio Lower Upper
284 100
142 39.8 28.3 42.5
249 27.7 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

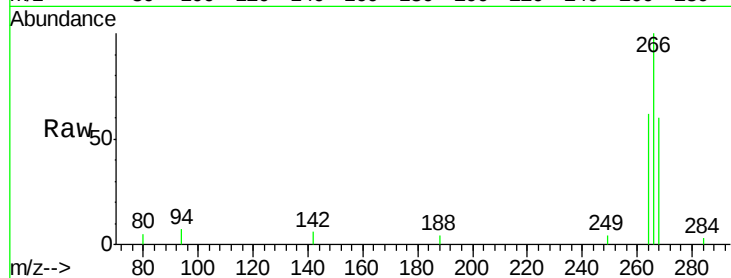




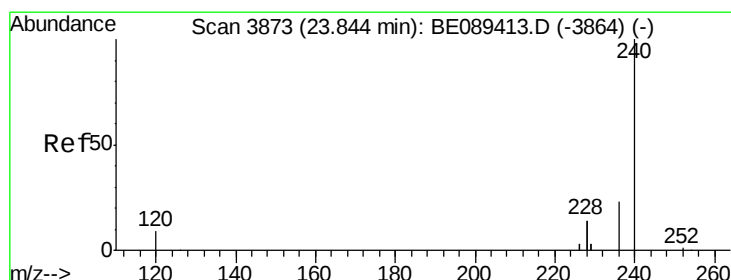
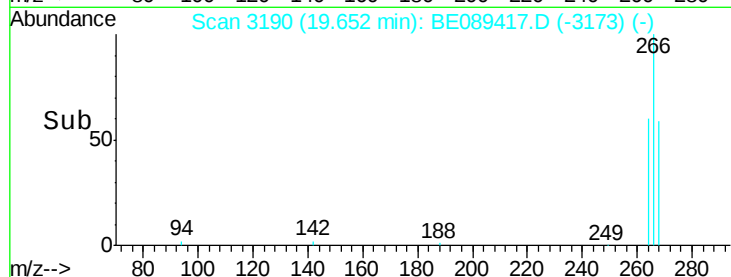
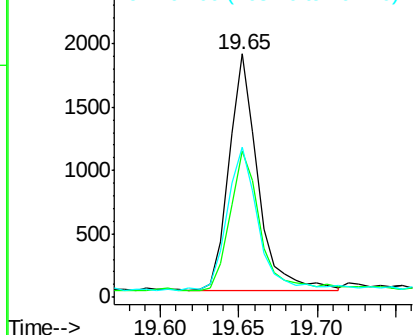
#19
 Pentachlorophenol
 Concen: 0.73 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. 0.00 min
 Lab File: BE089417.D
 Acq: 29 Jan 2015 17:06

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion: 266 Resp: 2368
 Ion Ratio Lower Upper
 266 100
 268 60.1 51.9 77.9
 264 61.5 48.5 72.7

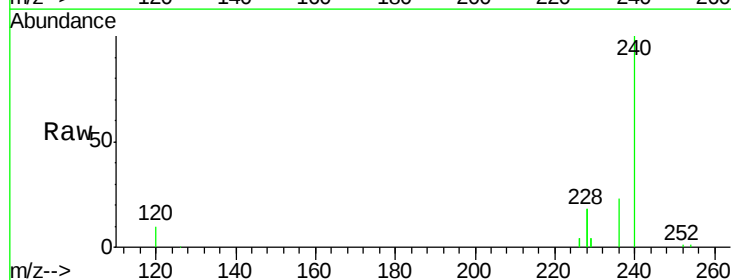


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

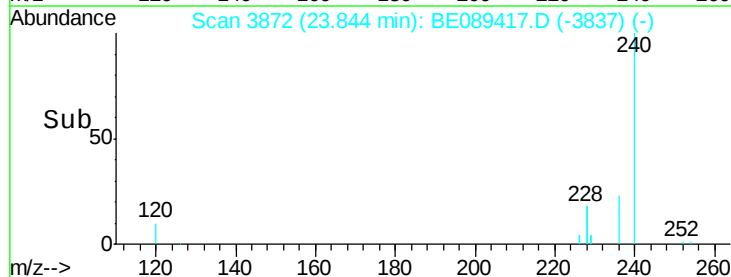
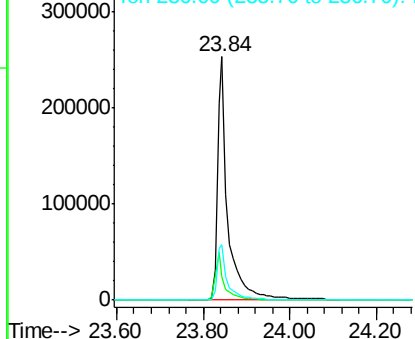


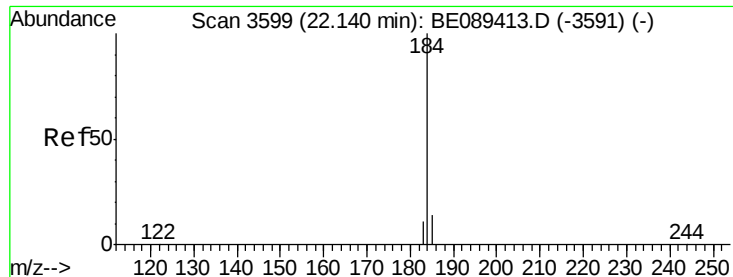
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. 0.00 min
 Lab File: BE089417.D
 Acq: 29 Jan 2015 17:06

Tgt Ion: 240 Resp: 437157
 Ion Ratio Lower Upper
 240 100
 120 9.8 6.9 10.3
 236 22.6 18.2 27.2



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: 0.53 ng

RT: 22.14 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

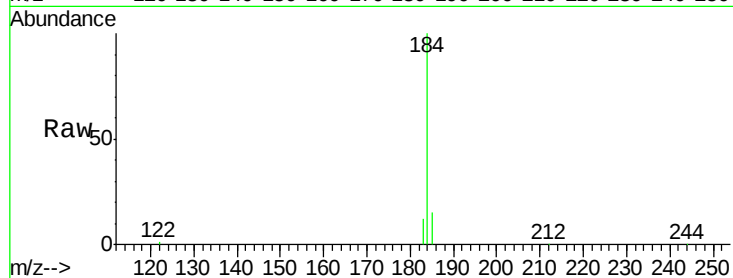
Tgt Ion:184 Resp: 20079

Ion Ratio Lower Upper

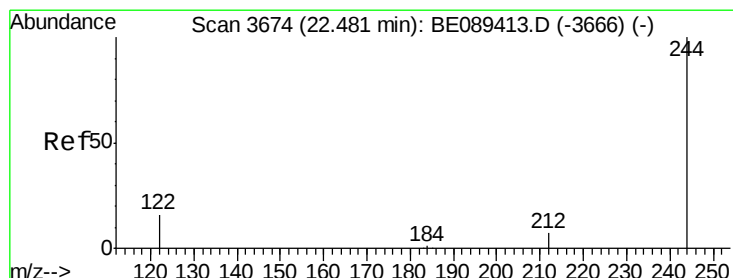
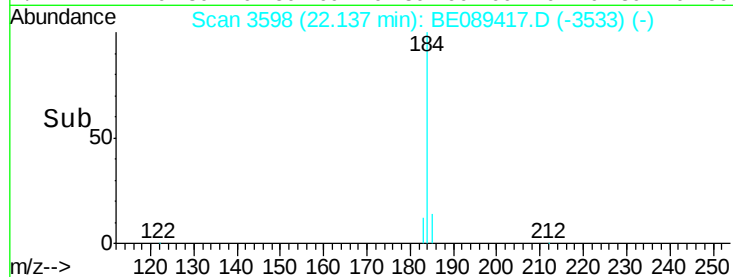
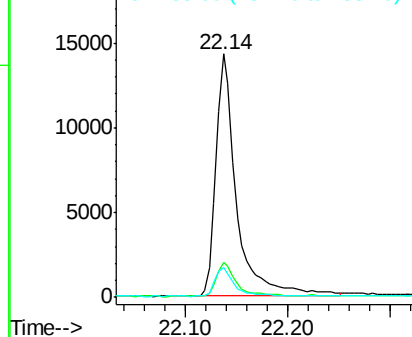
184 100

185 14.5 11.0 16.6

183 12.0 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: 1.00 ng

RT: 22.48 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

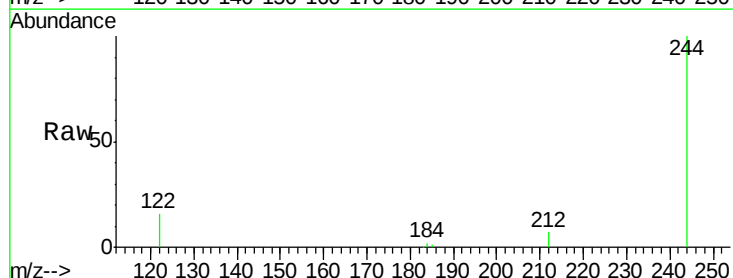
Tgt Ion:244 Resp: 50749

Ion Ratio Lower Upper

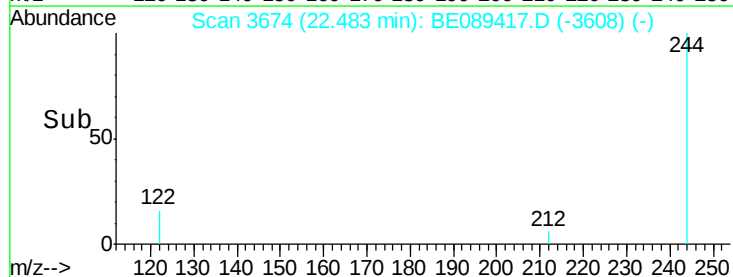
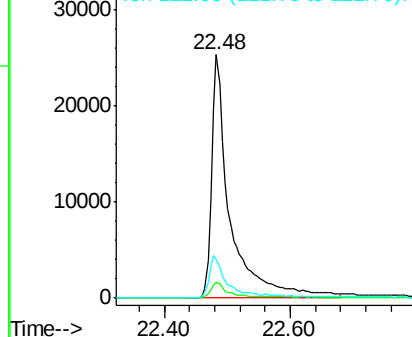
244 100

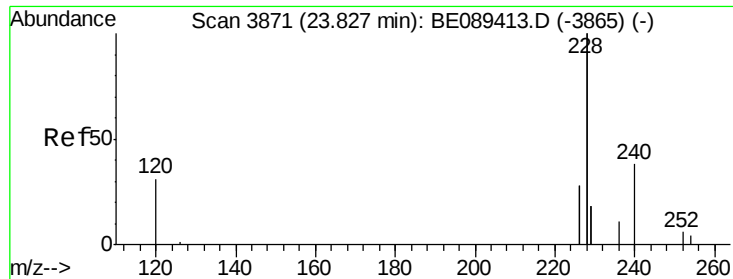
212 6.6 5.4 8.0

122 16.0 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

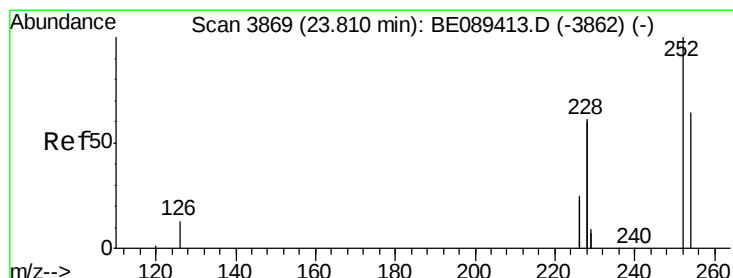
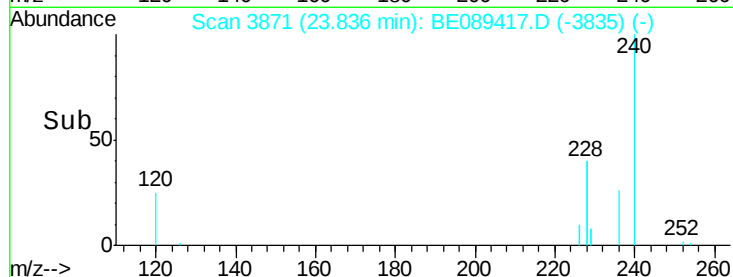
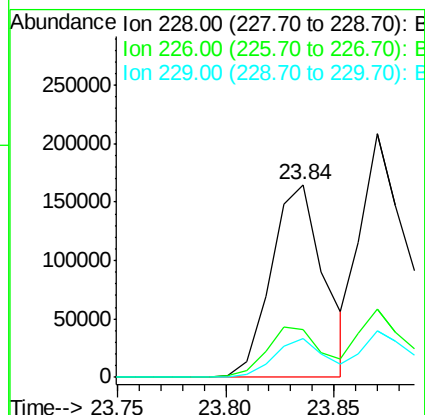
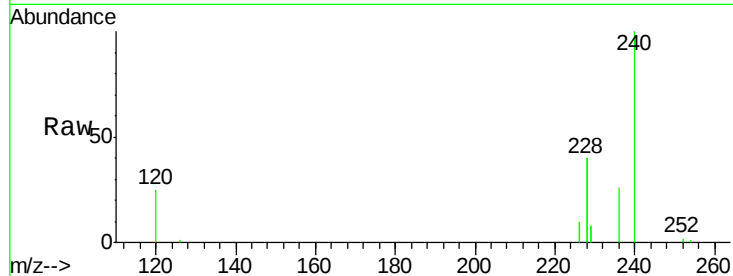




#23
Benzo(a)anthracene
Concen: 0.84 ng
RT: 23.84 min Scan# 3871
Delta R.T. 0.01 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

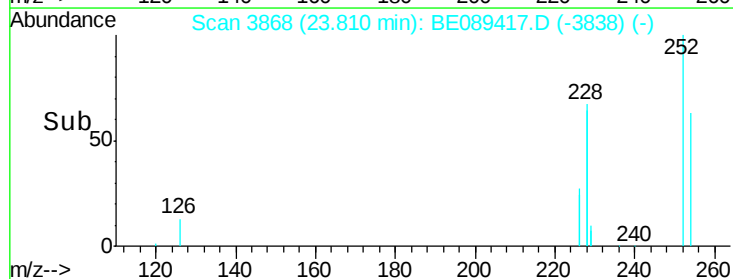
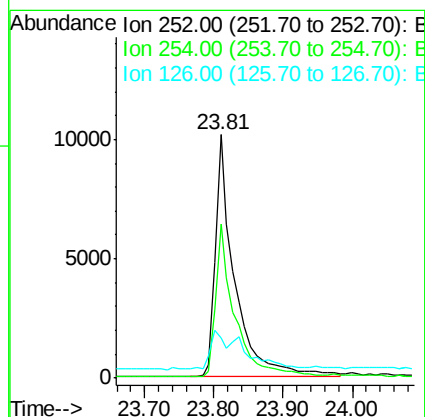
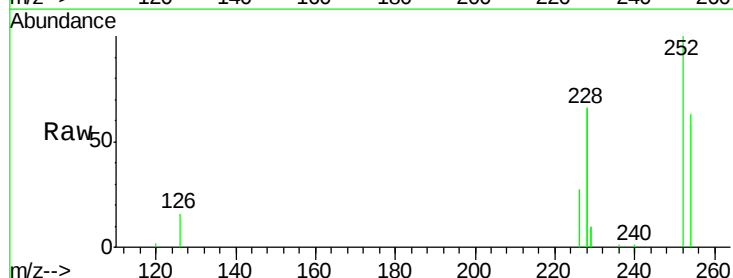
Instrument :
BNA_E
ClientSampleId :

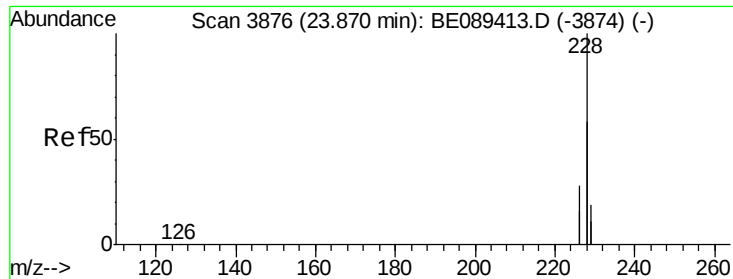
Tgt Ion:228 Resp: 279256
Ion Ratio Lower Upper
228 100
226 24.6 22.6 33.8
229 20.3 14.5 21.7



#24
3,3'-Dichlorobenzidine
Concen: 0.75 ng
RT: 23.81 min Scan# 3868
Delta R.T. 0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Tgt Ion:252 Resp: 19522
Ion Ratio Lower Upper
252 100
254 63.1 51.1 76.7
126 16.4 11.5 17.3





#25

Chrysene

Concen: 0.99 ng

RT: 23.87 min Scan# 3875

Delta R.T. 0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

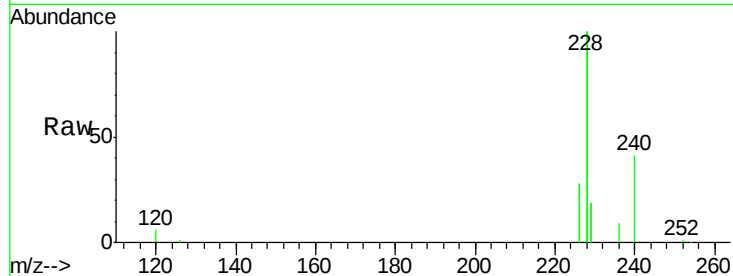
Tgt Ion:228 Resp: 450972

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

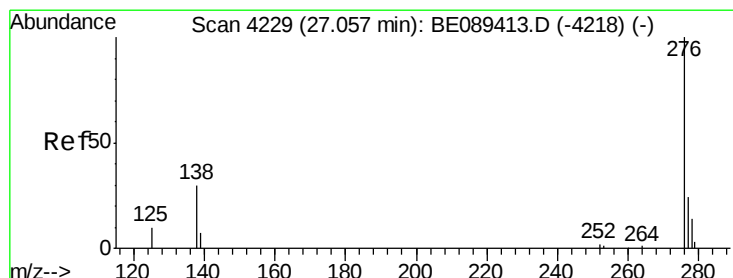
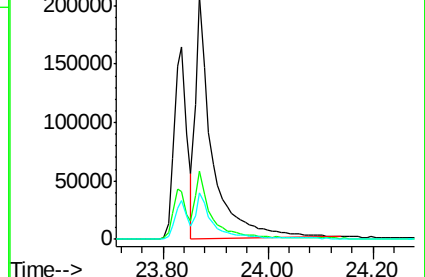
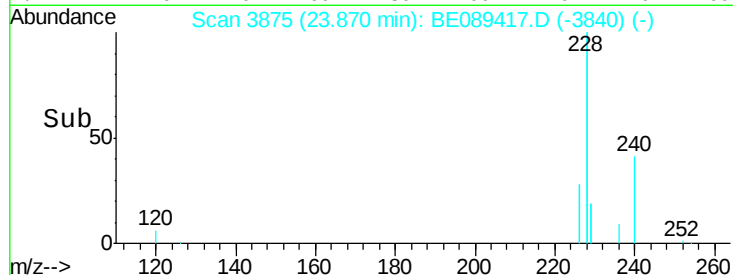
229 19.1 15.5 23.3



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: 0.60 ng

RT: 27.05 min Scan# 4227

Delta R.T. -0.01 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

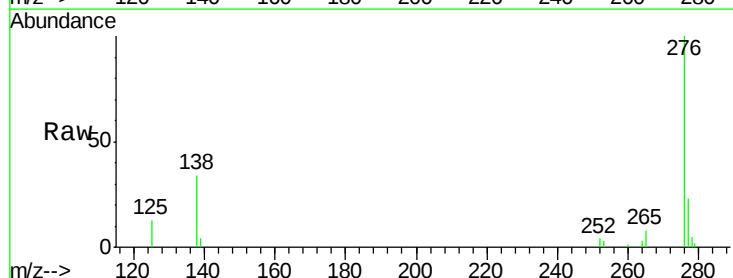
Tgt Ion:276 Resp: 47070

Ion Ratio Lower Upper

276 100

138 9.9 0.0 0.0#

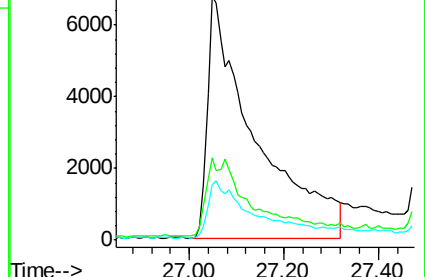
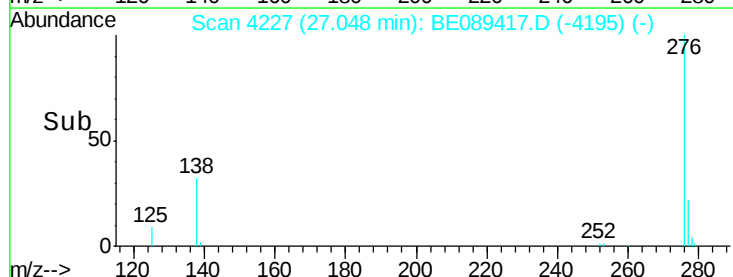
277 22.6 0.0 0.0#

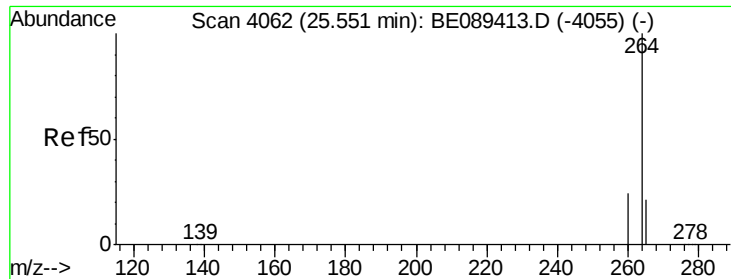


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4061

Delta R.T. 0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

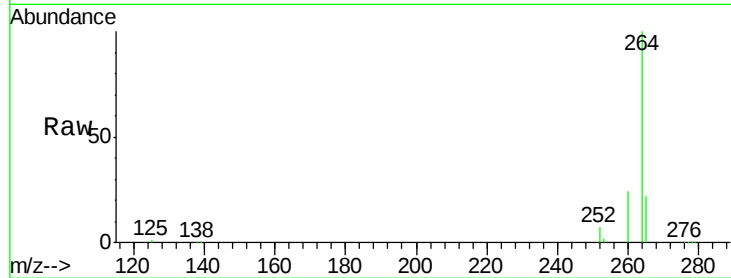
Tgt Ion: 264 Resp: 430606

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

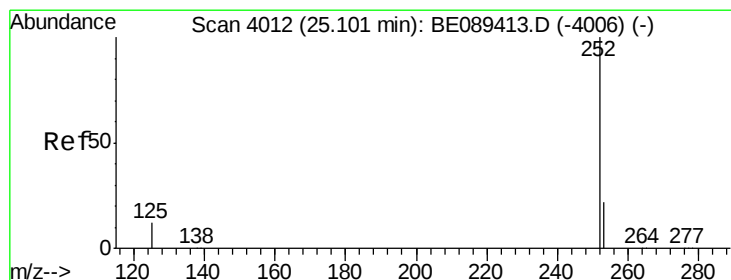
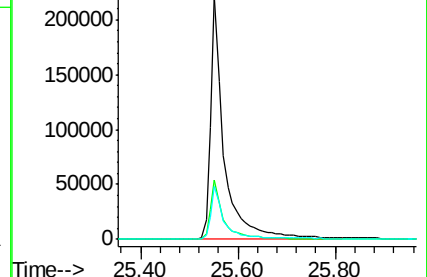
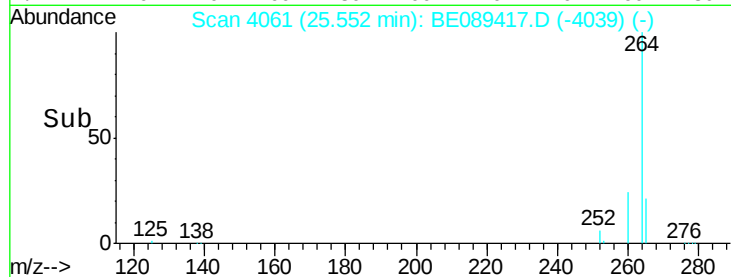
265 21.5 17.1 25.7



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: 3.30 ng

RT: 25.13 min Scan# 4014

Delta R.T. 0.03 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

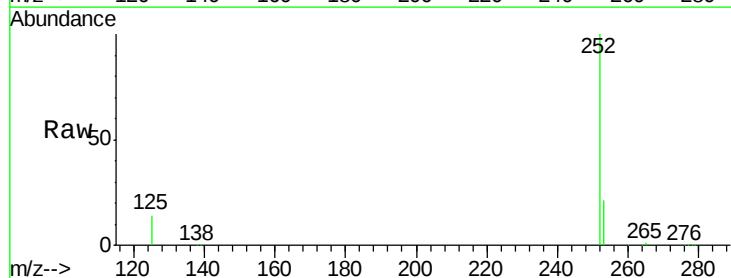
Tgt Ion: 252 Resp: 139968

Ion Ratio Lower Upper

252 100

253 21.3 17.6 26.4

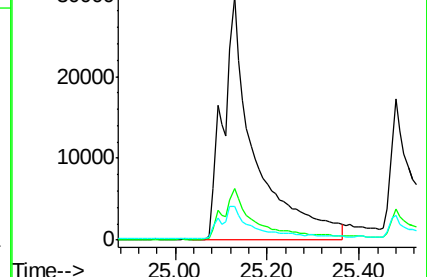
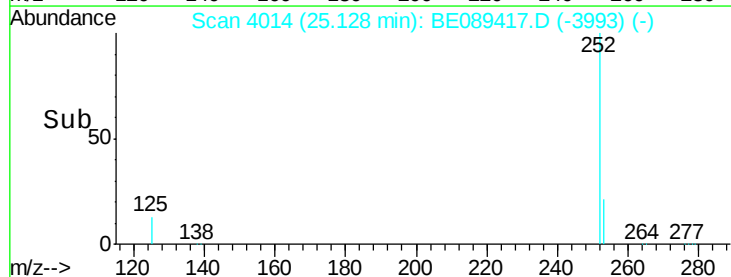
125 13.9 10.5 15.7

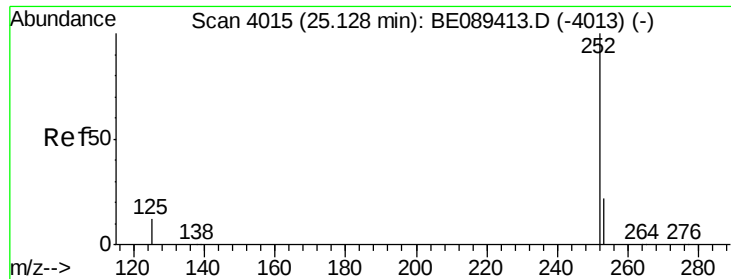


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

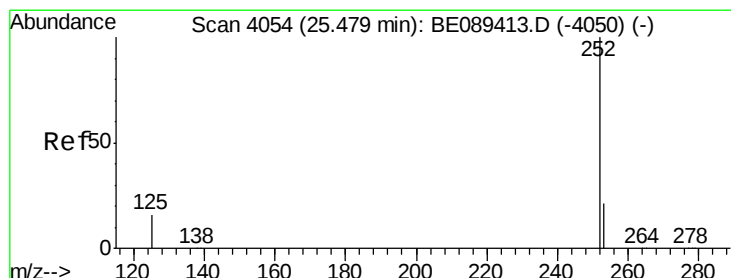
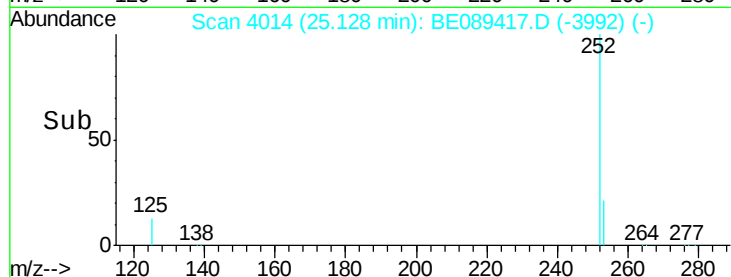
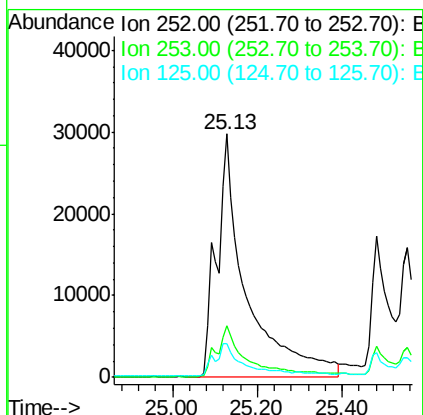
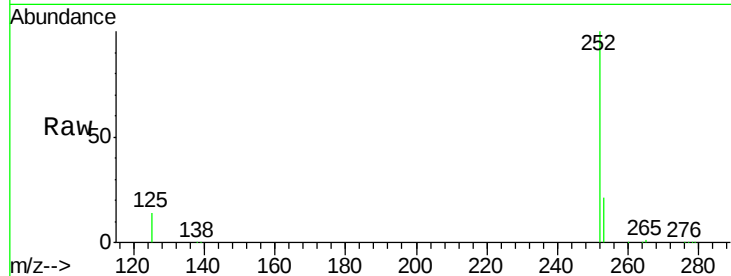




#29
Benzo(k)fluoranthene
Concen: 1.27 ng
RT: 25.13 min Scan# 4014
Delta R.T. 0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

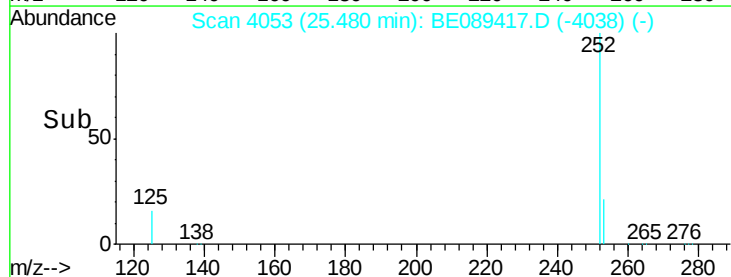
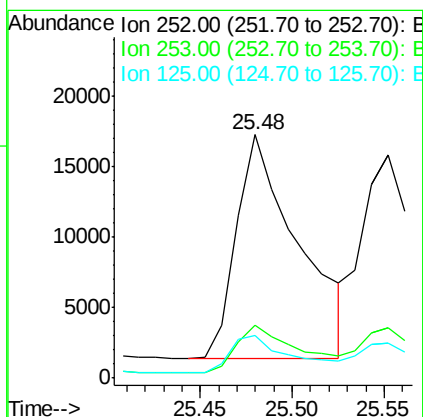
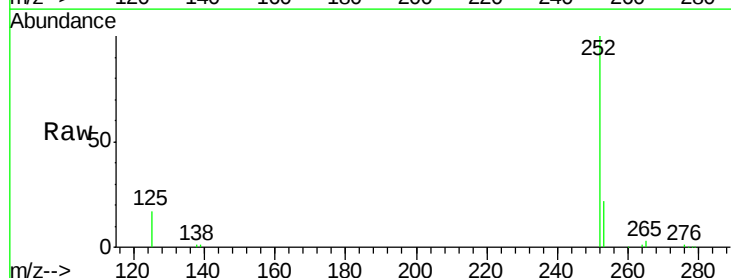
Instrument :
BNA_E
ClientSampleId :

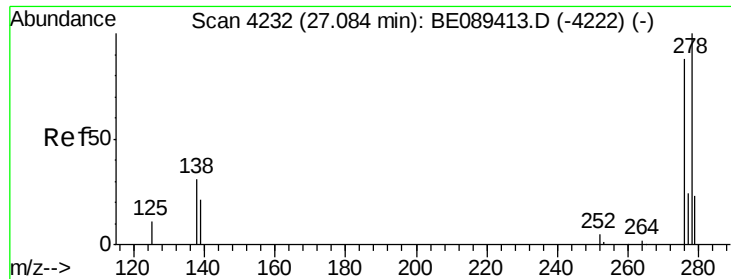
Tgt Ion: 252 Resp: 142714
Ion Ratio Lower Upper
252 100
253 21.3 17.4 26.2
125 13.9 11.0 16.6



#30
Benzo(a)pyrene
Concen: 0.71 ng
RT: 25.48 min Scan# 4053
Delta R.T. 0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Tgt Ion: 252 Resp: 37214
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 17.3 13.0 19.6





#31

Dibenzo(a,h)anthracene

Concen: 0.63 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.00 min

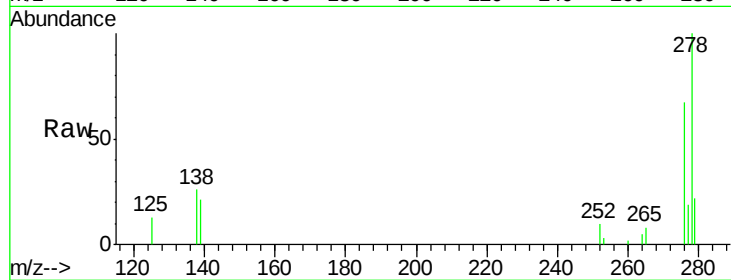
Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :



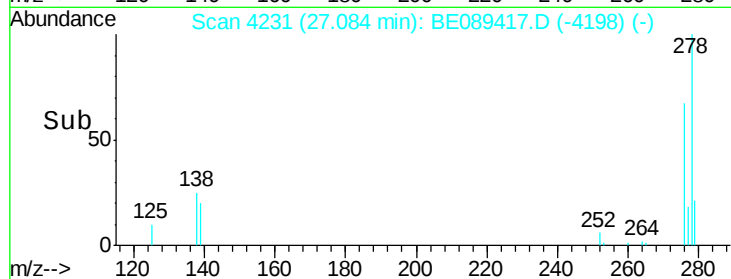
Tgt Ion: 278 Resp: 33028

Ion Ratio Lower Upper

278 100

139 21.2 17.2 25.8

279 21.9 19.2 28.8



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

