

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
 Data File : BF090364.D
 Acq On : 5 Oct 2016 1:28
 Operator : UM/SJ
 Sample : H5025-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-3

Quant Time: Oct 05 03:04:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 14:16:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	205865	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	768941	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	342784	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	617804	20.00	ng	0.00
75) Chrysene-d12	14.20	240	650413	20.00	ng	0.00
86) Perylene-d12	15.71	264	475353	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	1413559	108.30	ng	0.00
7) Phenol-d6	6.63	99	1697662	104.06	ng	0.00
23) Nitrobenzene-d5	7.57	82	1074849	81.48	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	372756	125.20	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1671154	79.49	ng	0.00
78) Terphenyl-d14	13.14	244	1685070	60.32	ng	0.00

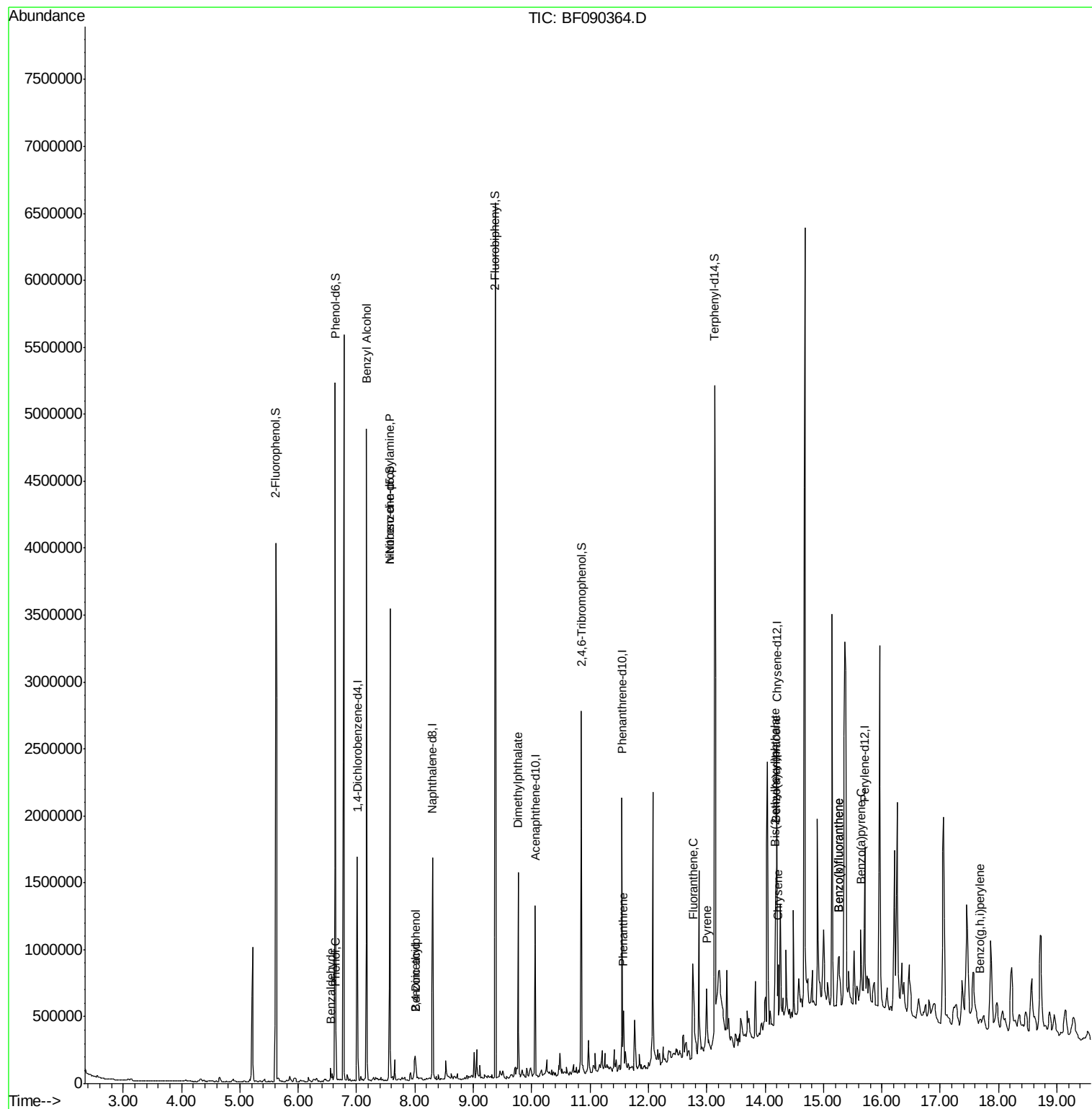
Target Compounds						Qvalue
9) Benzaldehyde	6.55	77	19440	2.57	ng	91
10) Phenol	6.65	94	42498	2.14	ng	97
15) Benzyl Alcohol	7.17	79	24551	2.13	ng	# 45
19) n-Nitroso-di-n-propylamine	7.57	70	154090	14.79	ng	# 66
27) 2,4-Dimethylphenol	8.01	122	59328	4.84	ng	# 6
32) Benzoic acid	8.01	122	60539	12.10	ng	98
49) Dimethylphthalate	9.77	163	515952	25.43	ng	98
70) Phenanthrene	11.57	178	135377	4.08	ng	95
74) Fluoranthene	12.76	202	256802	8.17	ng	92
77) Pyrene	13.00	202	246293	5.91	ng	97
80) Benzo(a)anthracene	14.19	228	137685	3.78	ng	96
82) Chrysene	14.22	228	122825	3.59	ng	97
83) Bis(2-ethylhexyl)phthalate	14.18	149	219356	8.35	ng	# 96
87) Benzo(b)fluoranthene	15.26	252	221399	8.10	ng	# 92
88) Benzo(k)fluoranthene	15.26	252	221934	8.50	ng	# 96
89) Benzo(a)pyrene	15.64	252	97993	3.93	ng	# 91
91) Benzo(g,h,i)perylene	17.69	276	50070	2.09	ng	# 93

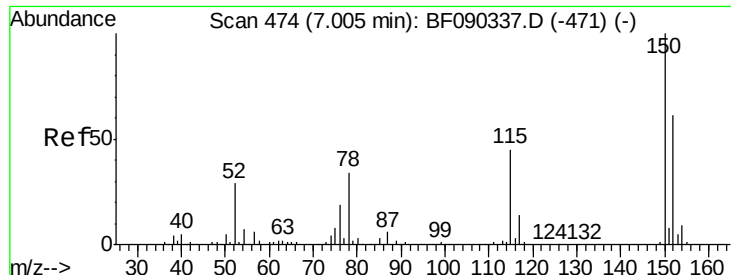
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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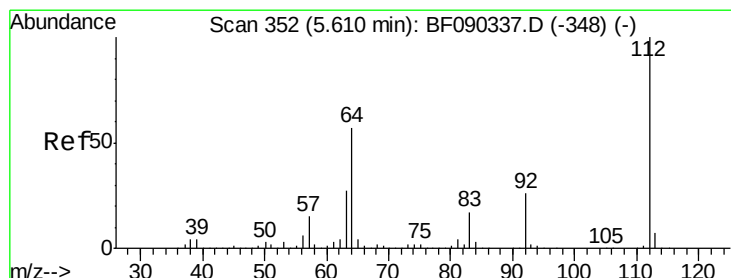
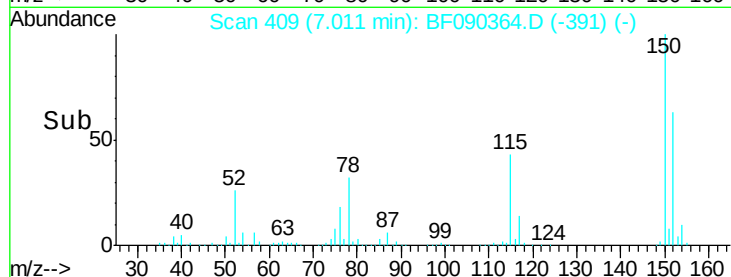
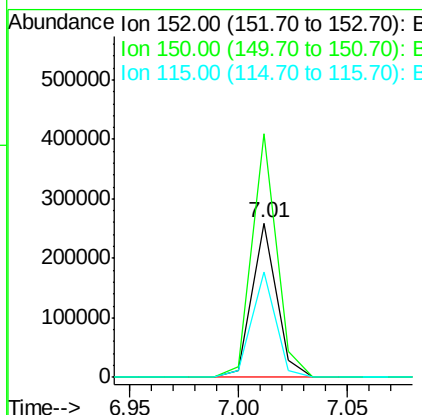
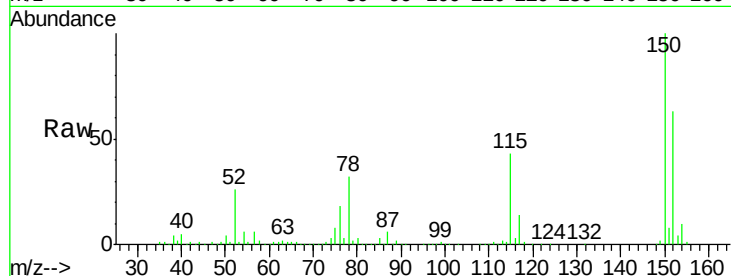




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.01 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: BF090364.D
 Acq: 5 Oct 2016 1:28

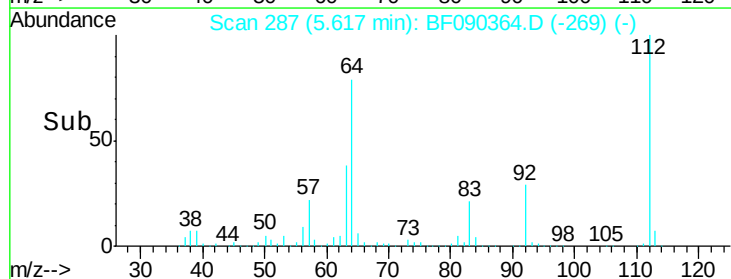
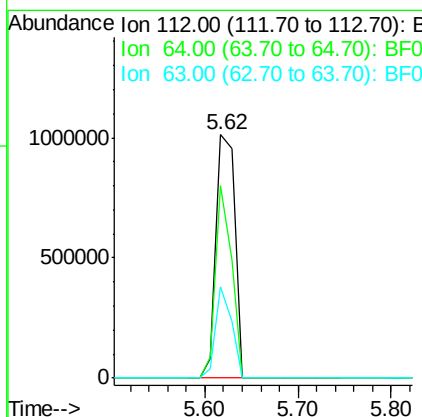
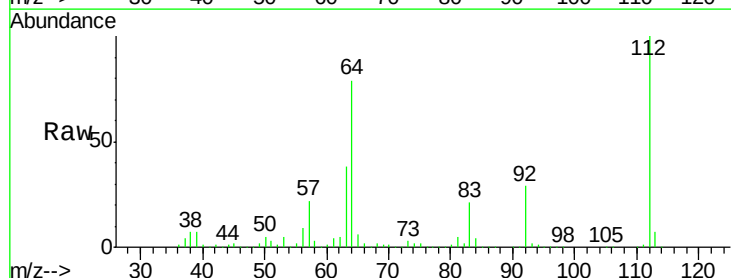
Instrument :
 BNA_F
 ClientSampled :
 PA-3

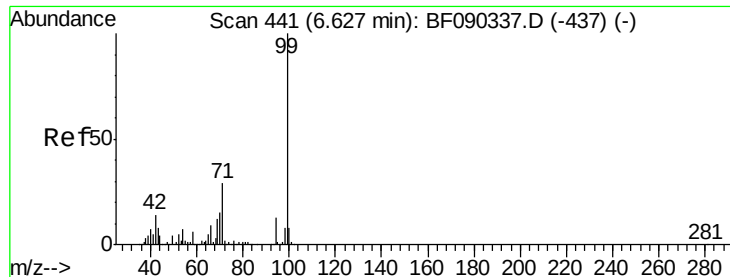
Tgt Ion:152 Resp: 205865
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.6 186.8
 115 68.3 46.2 69.4



#5
 2-Fluorophenol
 Concen: 108.30 ng
 RT: 5.62 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: BF090364.D
 Acq: 5 Oct 2016 1:28

Tgt Ion:112 Resp: 1413559
 Ion Ratio Lower Upper
 112 100
 64 79.0 57.9 86.9
 63 37.7 29.6 44.4





#7

Phenol-d6

Concen: 104.06 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

Instrument :

BNA_F

ClientSampled :

PA-3

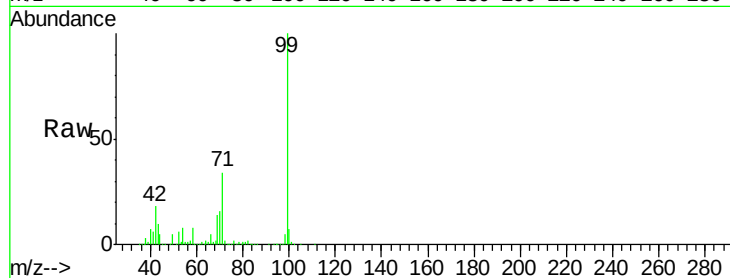
Tgt Ion: 99 Resp: 1697662

Ion Ratio Lower Upper

99 100

42 17.7 20.0 30.0#

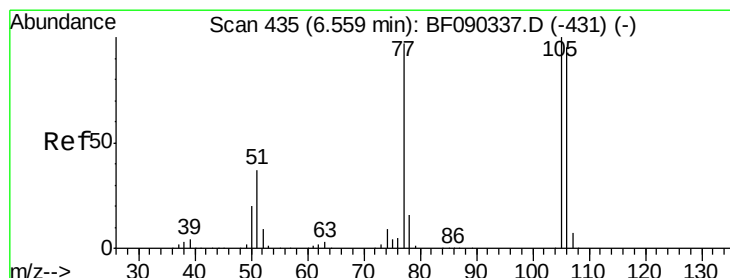
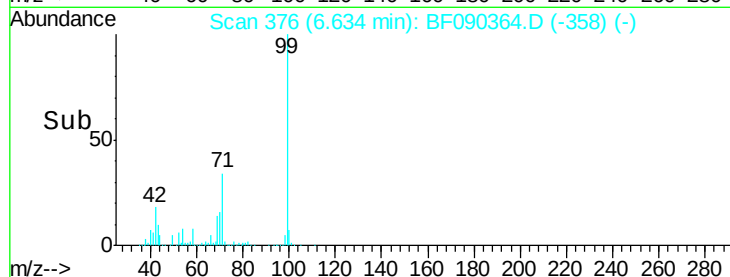
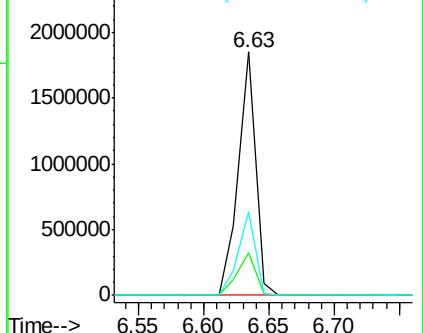
71 34.1 27.9 41.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.57 ng

RT: 6.55 min Scan# 369

Delta R.T. -0.00 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

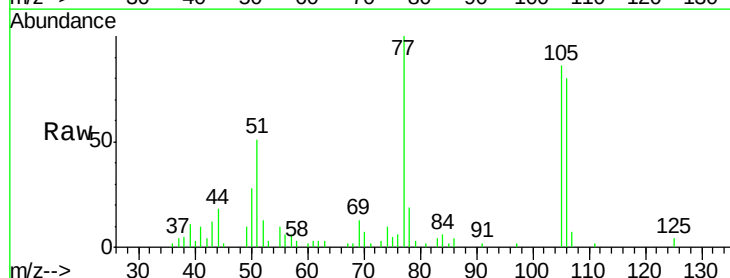
Tgt Ion: 77 Resp: 19440

Ion Ratio Lower Upper

77 100

105 85.7 73.1 113.1

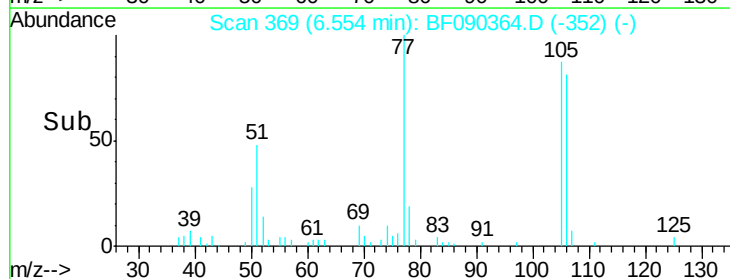
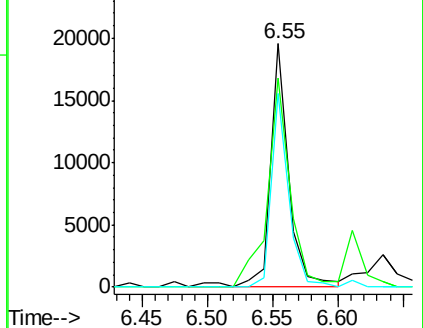
106 79.7 70.2 110.2

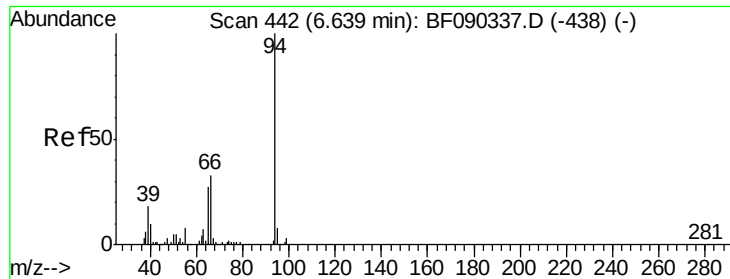


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 2.14 ng

RT: 6.65 min Scan# 377

Delta R.T. 0.01 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

Instrument :

BNA_F

ClientSampleId :

PA-3

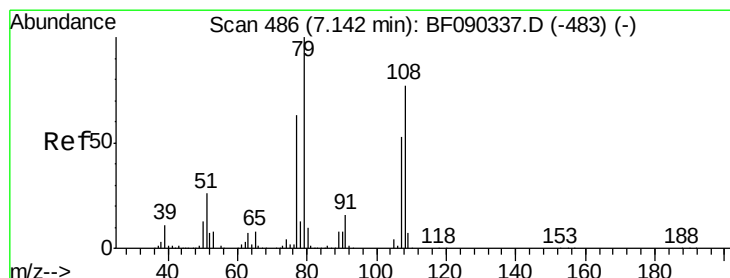
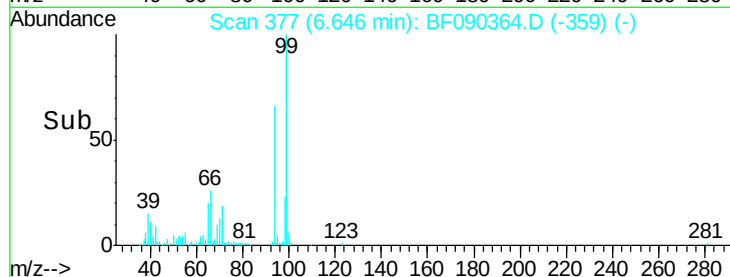
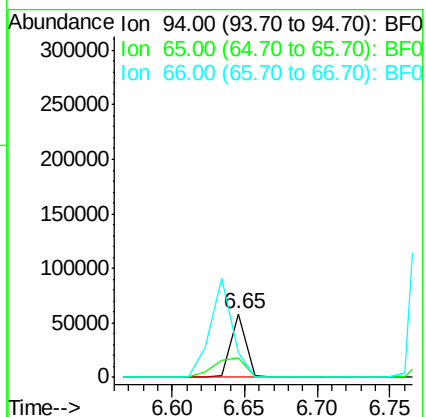
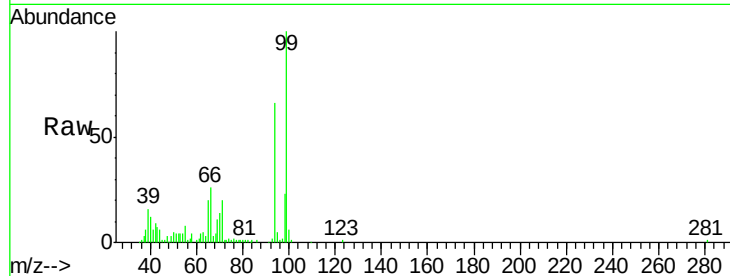
Tgt Ion: 94 Resp: 42498

Ion Ratio Lower Upper

94 100

65 30.6 13.3 53.3

66 39.4 20.4 60.4



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 7.17 min Scan# 423

Delta R.T. 0.03 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

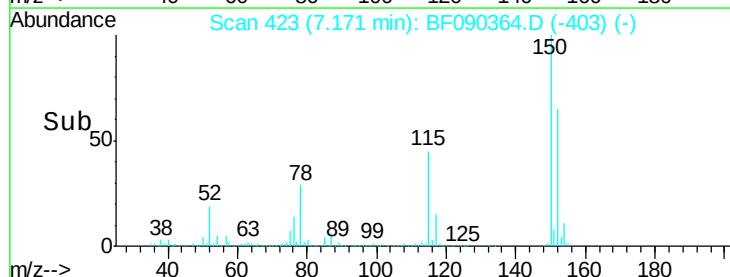
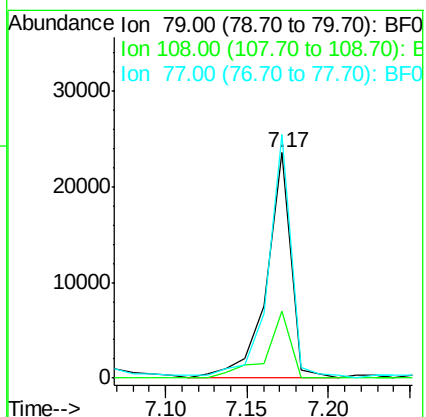
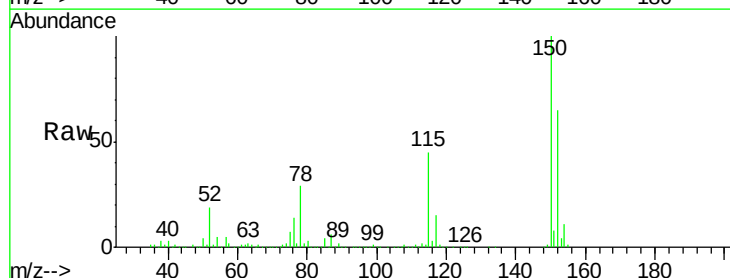
Tgt Ion: 79 Resp: 24551

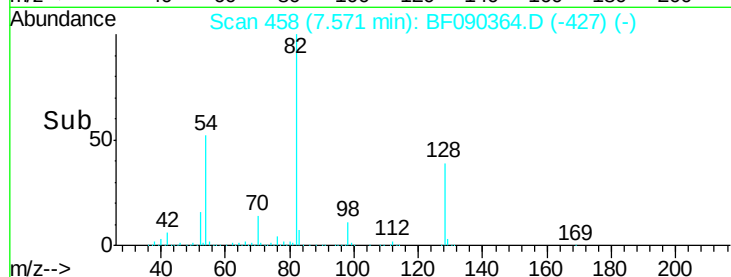
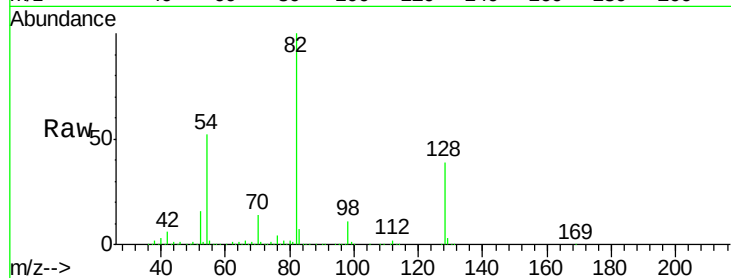
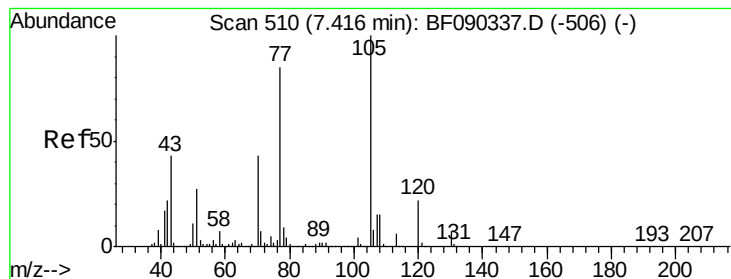
Ion Ratio Lower Upper

79 100

108 30.0 60.9 91.3#

77 108.2 51.5 77.3#





#19

n-Nitroso-di-n-propylamine

Concen: 14.79 ng

RT: 7.57 min Scan# 458

Delta R.T. 0.16 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

Instrument :

BNA_F

ClientSampleId :

PA-3

Tgt Ion: 70 Resp: 154090

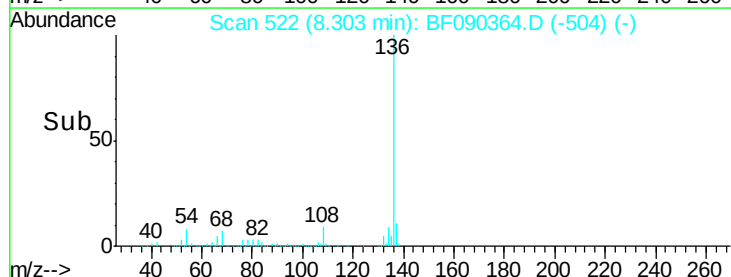
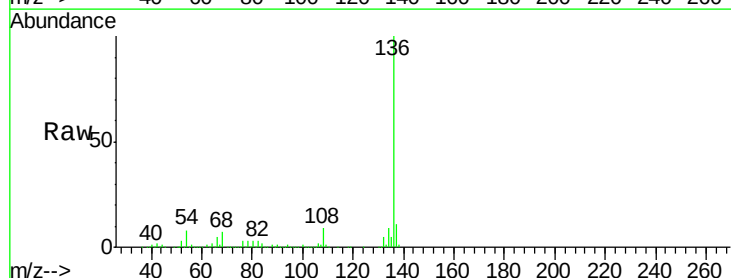
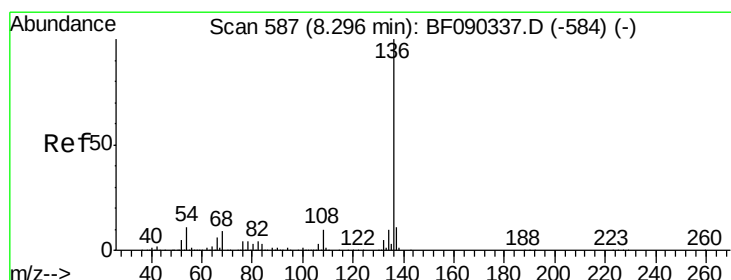
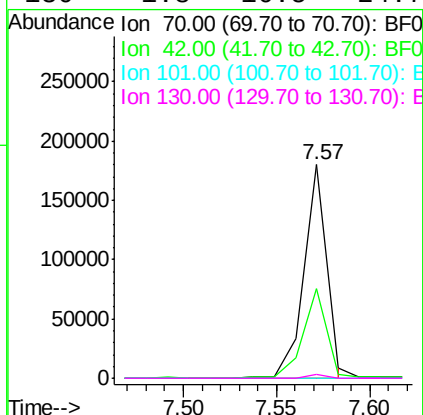
Ion Ratio Lower Upper

70 100

42 42.0 55.4 83.2#

101 0.0 7.6 11.4#

130 1.8 16.5 24.7#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.30 min Scan# 522

Delta R.T. 0.01 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

Tgt Ion: 136 Resp: 768941

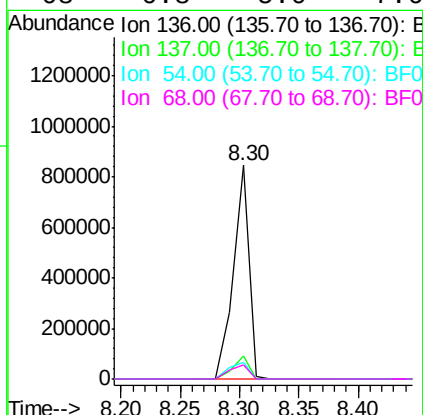
Ion Ratio Lower Upper

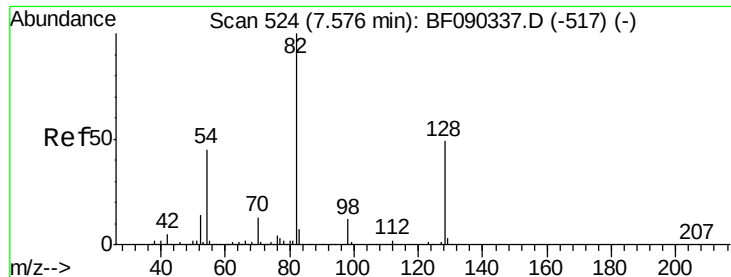
136 100

137 10.8 9.0 13.6

54 7.9 6.6 10.0

68 6.8 5.0 7.6

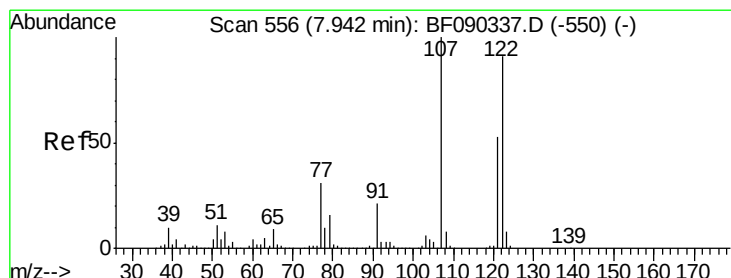
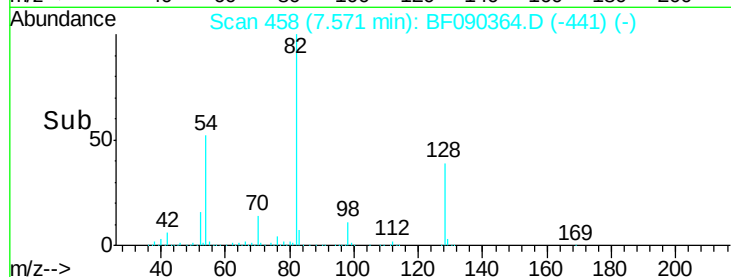
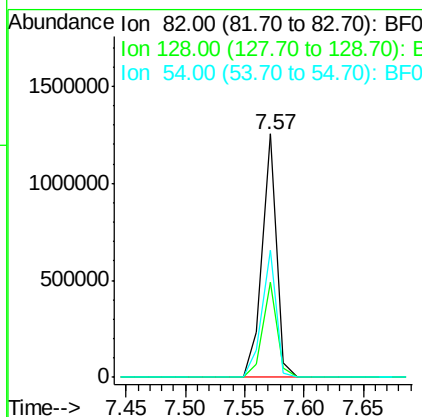
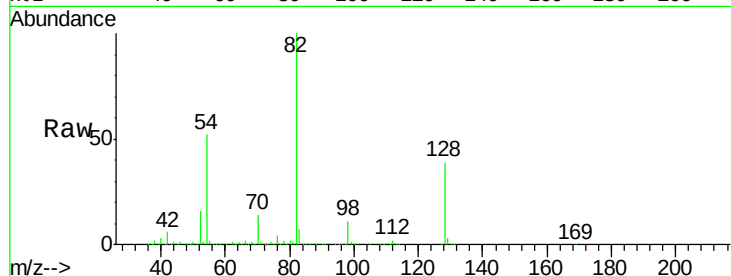




#23
 Nitrobenzene-d5
 Concen: 81.48 ng
 RT: 7.57 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BF090364.D
 Acq: 5 Oct 2016 1:28

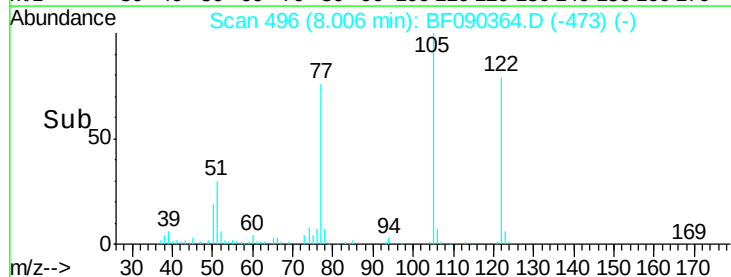
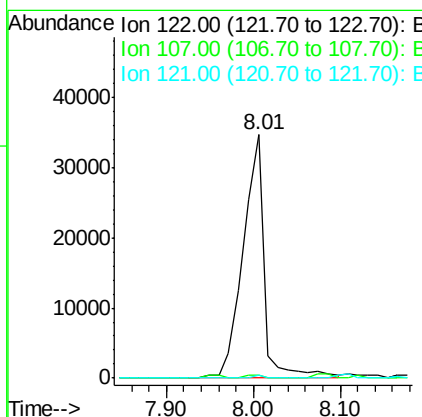
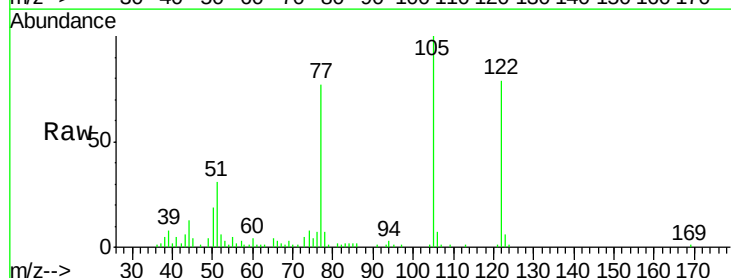
Instrument :
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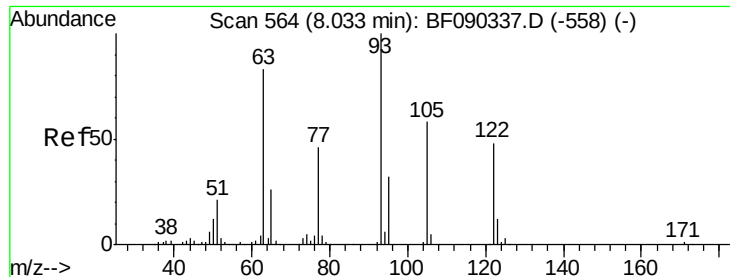
Tgt Ion: 82 Resp: 1074849
 Ion Ratio Lower Upper
 82 100
 128 39.0 40.0 60.0#
 54 52.0 42.6 64.0



#27
 2,4-Dimethylphenol
 Concen: 4.84 ng
 RT: 8.01 min Scan# 496
 Delta R.T. 0.06 min
 Lab File: BF090364.D
 Acq: 5 Oct 2016 1:28

Tgt Ion: 122 Resp: 59328
 Ion Ratio Lower Upper
 122 100
 107 1.1 88.6 132.8#
 121 1.0 47.5 71.3#

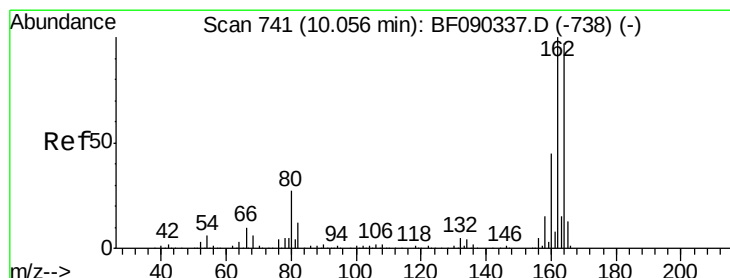
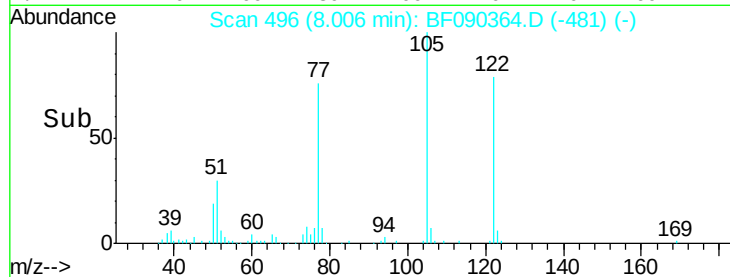
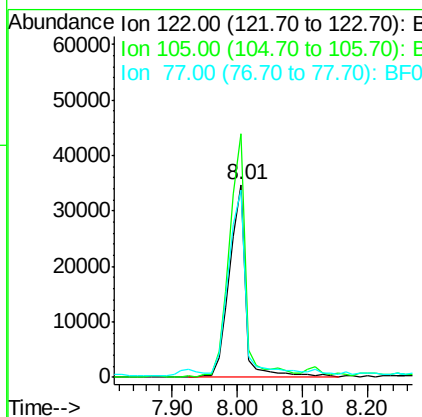
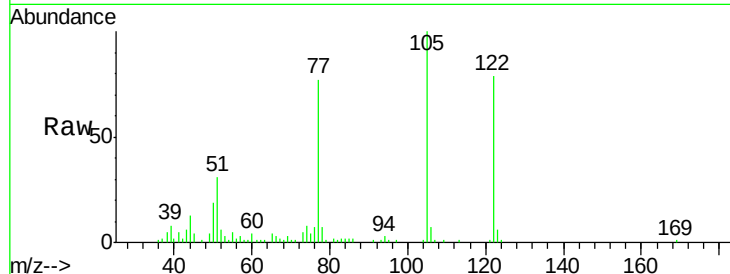




#32
Benzoic acid
Concen: 12.10 ng
RT: 8.01 min Scan# 496
Delta R.T. -0.03 min
Lab File: BF090364.D
Acq: 5 Oct 2016 1:28

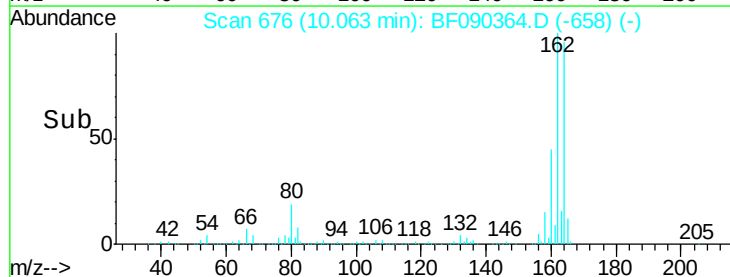
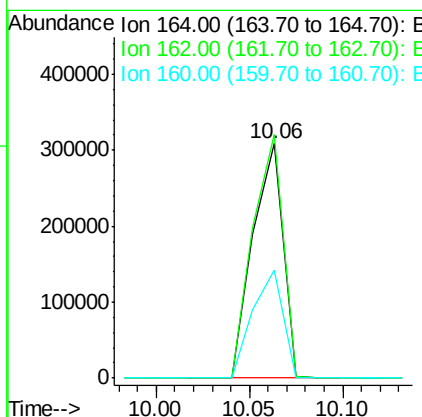
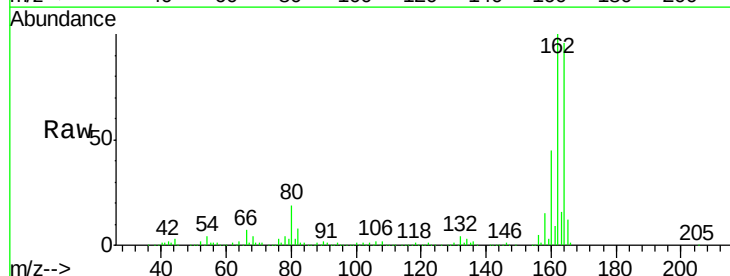
Instrument :
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ClientSampleId :
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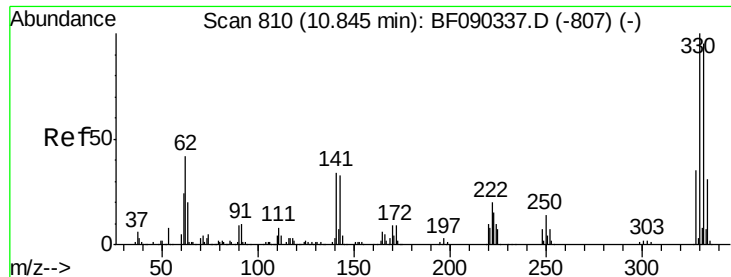
Tgt Ion:122 Resp: 60539
Ion Ratio Lower Upper
122 100
105 126.3 103.9 143.9
77 97.0 74.6 114.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.06 min Scan# 676
Delta R.T. 0.01 min
Lab File: BF090364.D
Acq: 5 Oct 2016 1:28

Tgt Ion:164 Resp: 342784
Ion Ratio Lower Upper
164 100
162 104.0 80.1 120.1
160 46.3 36.3 54.5

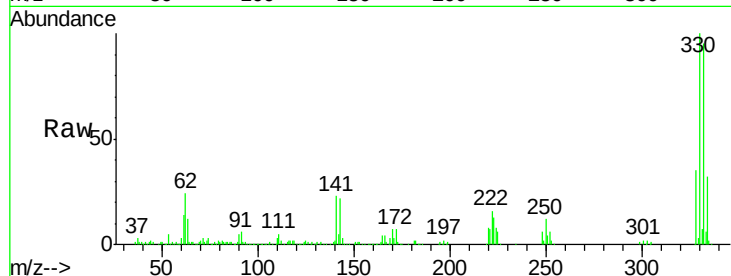




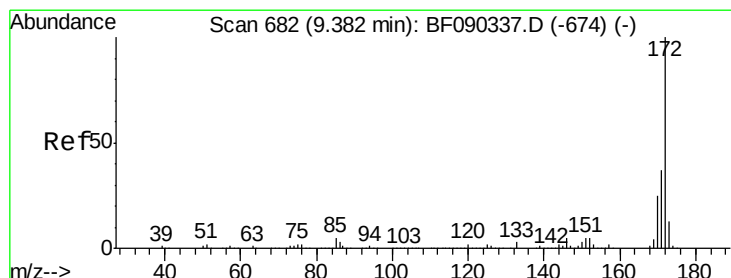
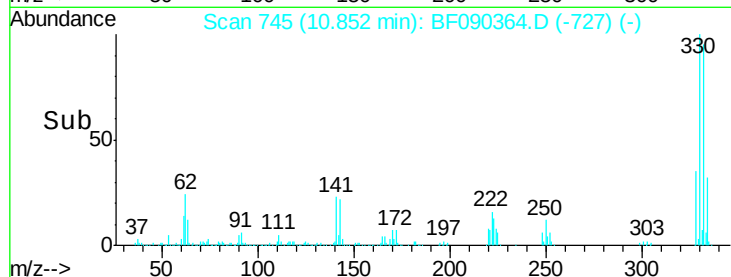
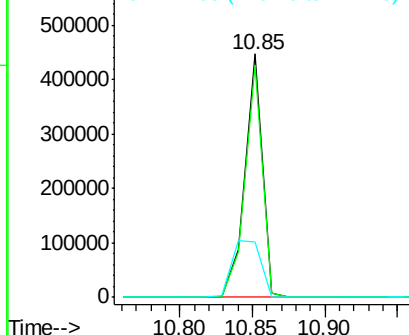
#41
 2,4,6-Tribromophenol
 Concen: 125.20 ng
 RT: 10.85 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: BF090364.D
 Acq: 5 Oct 2016 1:28

Instrument :
 BNA_F
 ClientSampleId :
 PA-3

Tgt Ion:330 Resp: 372756
 Ion Ratio Lower Upper
 330 100
 332 95.2 75.4 113.0
 141 39.1 26.9 40.3

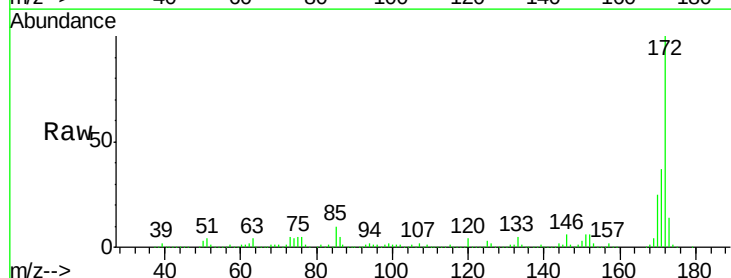


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

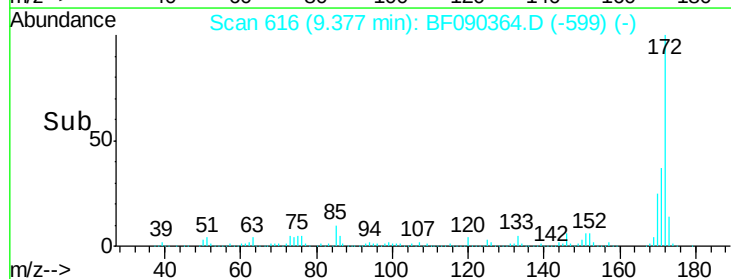
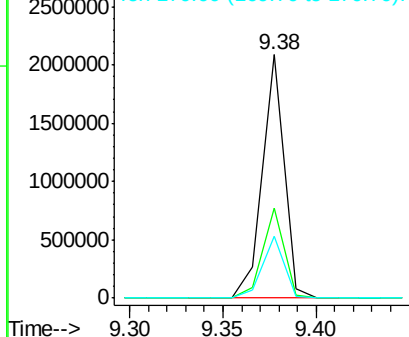


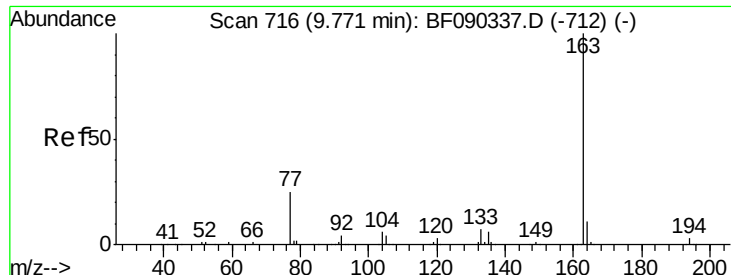
#44
 2-Fluorobiphenyl
 Concen: 79.49 ng
 RT: 9.38 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF090364.D
 Acq: 5 Oct 2016 1:28

Tgt Ion:172 Resp: 1671154
 Ion Ratio Lower Upper
 172 100
 171 37.2 31.8 47.8
 170 25.2 21.7 32.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 25.43 ng

RT: 9.77 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

Instrument :

BNA_F

ClientSampleId :

PA-3

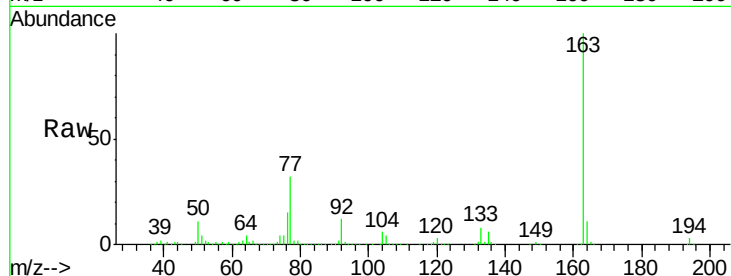
Tgt Ion:163 Resp: 515952

Ion Ratio Lower Upper

163 100

194 2.8 2.8 4.2

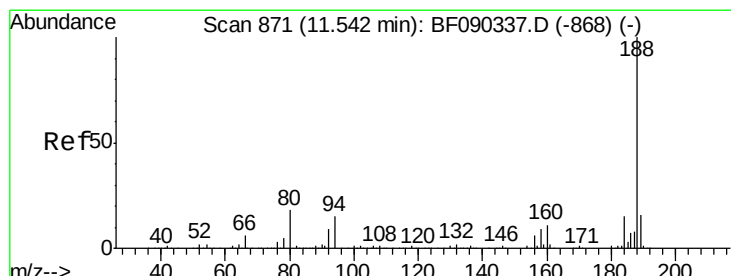
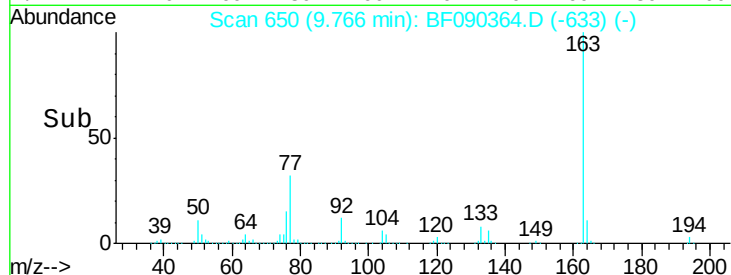
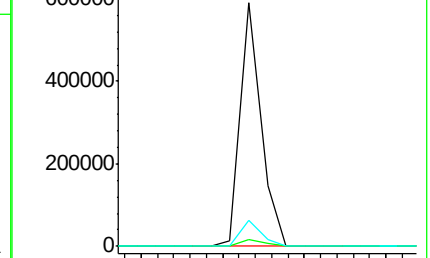
164 10.7 9.0 13.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.55 min Scan# 806

Delta R.T. 0.01 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

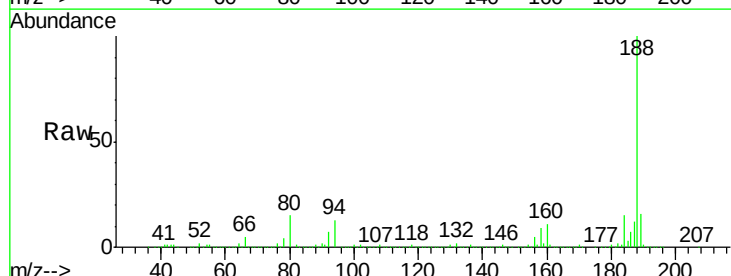
Tgt Ion:188 Resp: 617804

Ion Ratio Lower Upper

188 100

94 13.0 8.2 12.2#

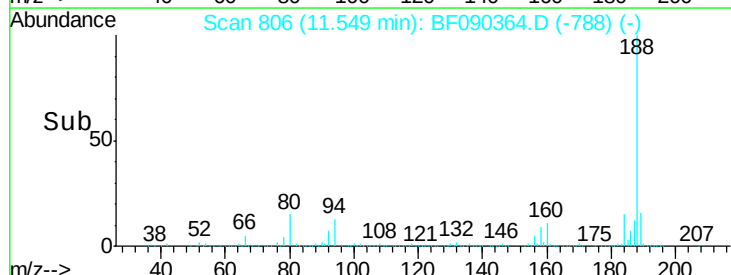
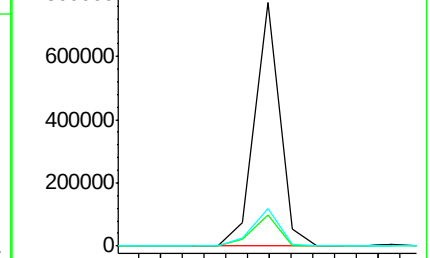
80 15.3 8.8 13.2#

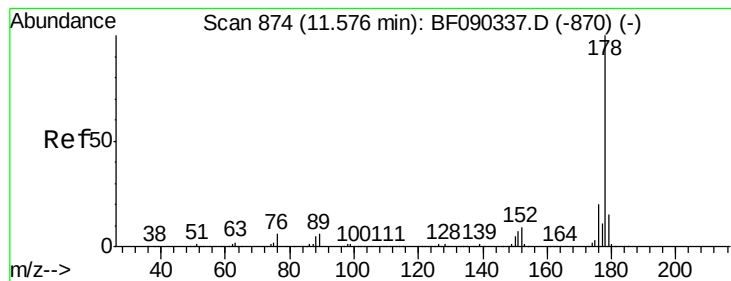


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.08 ng

RT: 11.57 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

Instrument :

BNA_F

ClientSampleId :

PA-3

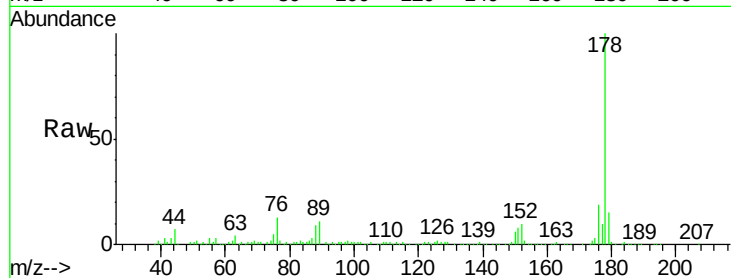
Tgt Ion:178 Resp: 135377

Ion Ratio Lower Upper

178 100

176 18.8 17.3 25.9

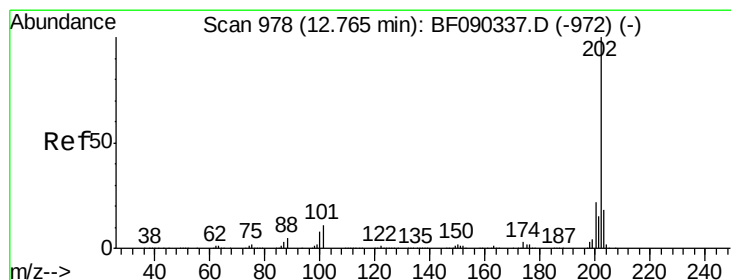
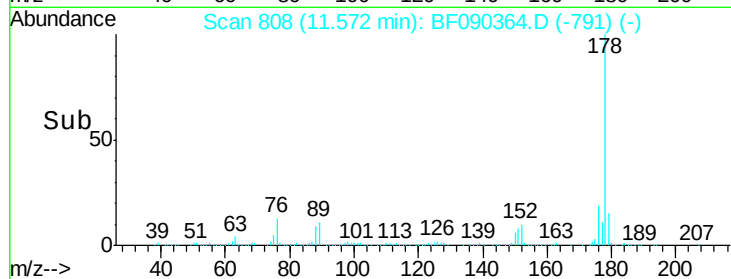
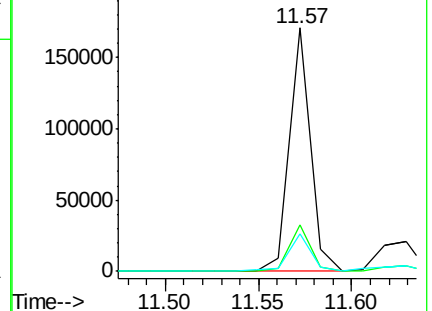
179 15.5 13.8 20.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.17 ng

RT: 12.76 min Scan# 912

Delta R.T. -0.00 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

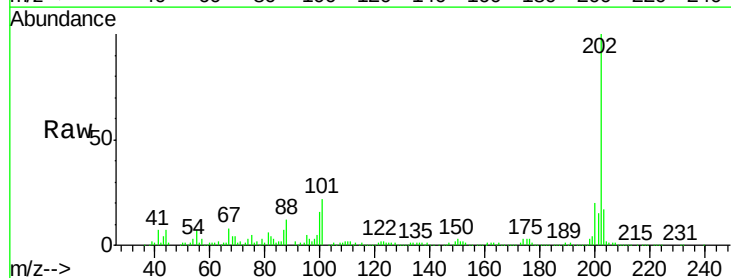
Tgt Ion:202 Resp: 256802

Ion Ratio Lower Upper

202 100

101 22.2 0.0 37.2

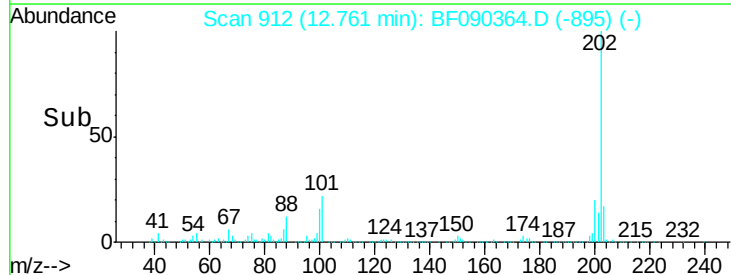
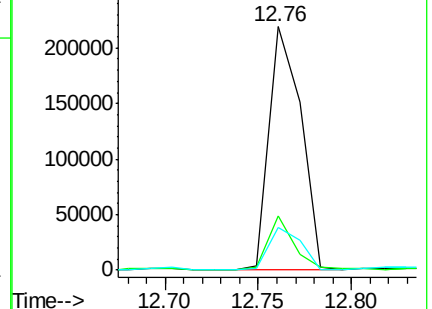
203 17.3 0.0 39.3

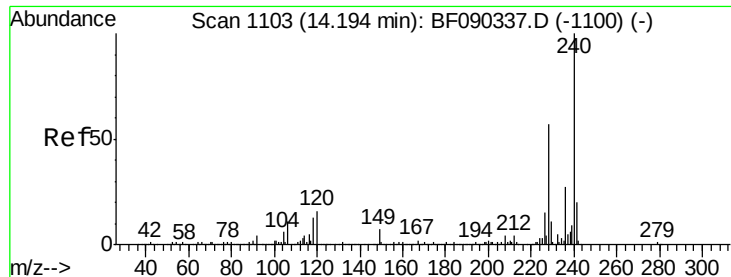


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.20 min Scan# 1038

Delta R.T. 0.01 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

Instrument :

BNA_F

ClientSampleId :

PA-3

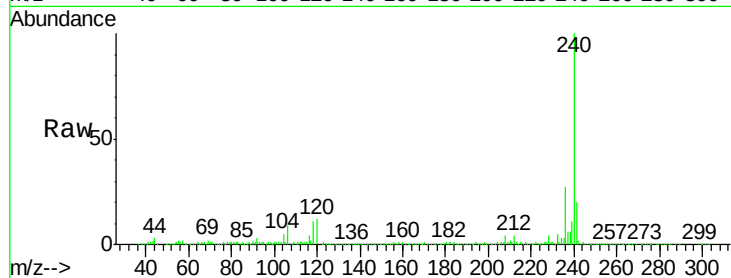
Tgt Ion:240 Resp: 650413

Ion Ratio Lower Upper

240 100

120 12.4 8.6 13.0

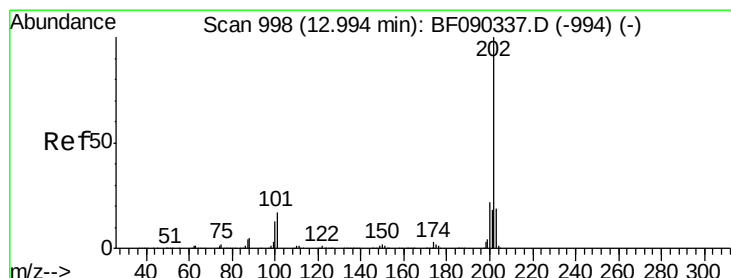
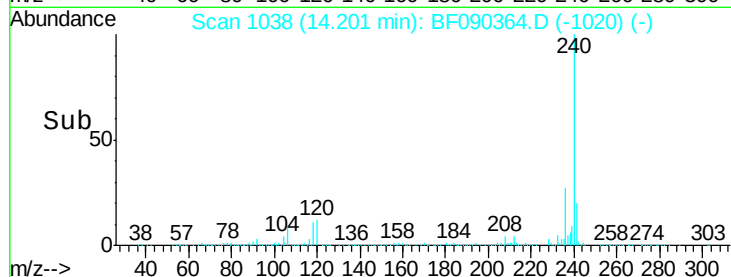
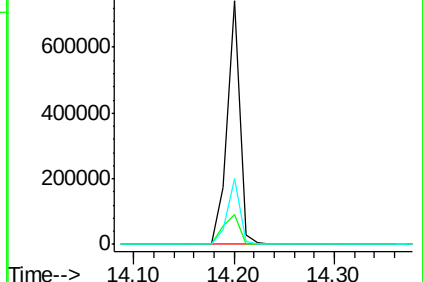
236 27.1 21.6 32.4



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



#77

Pyrene

Concen: 5.91 ng

RT: 13.00 min Scan# 933

Delta R.T. 0.01 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

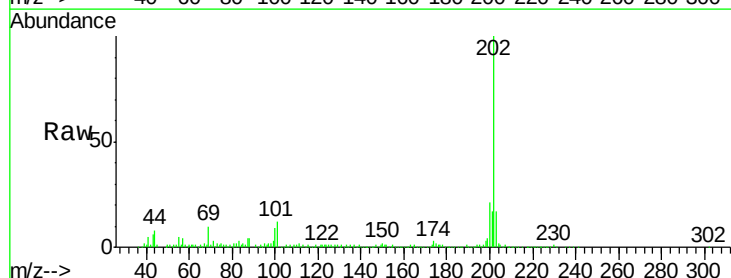
Tgt Ion:202 Resp: 246293

Ion Ratio Lower Upper

202 100

200 21.2 18.5 27.7

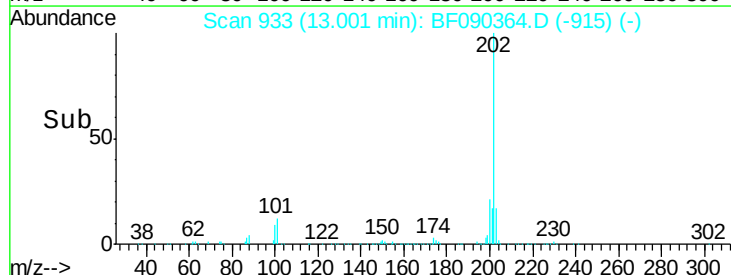
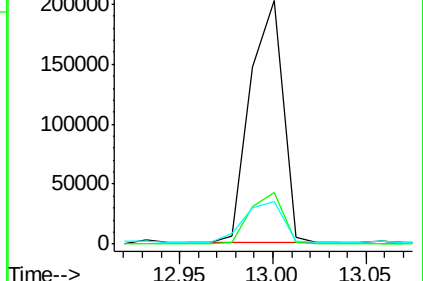
203 17.5 15.0 22.6

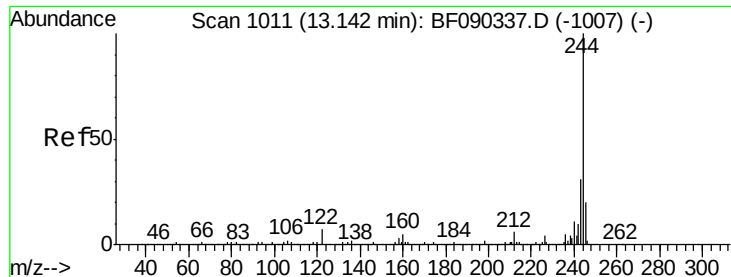


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.32 ng

RT: 13.14 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

Instrument :

BNA_F

ClientSampleId :

PA-3

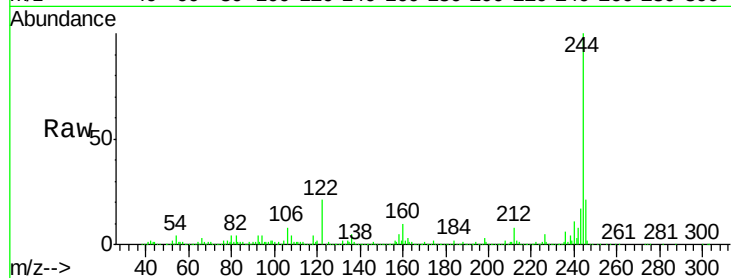
Tgt Ion:244 Resp: 1685070

Ion Ratio Lower Upper

244 100

212 8.2 6.8 10.2

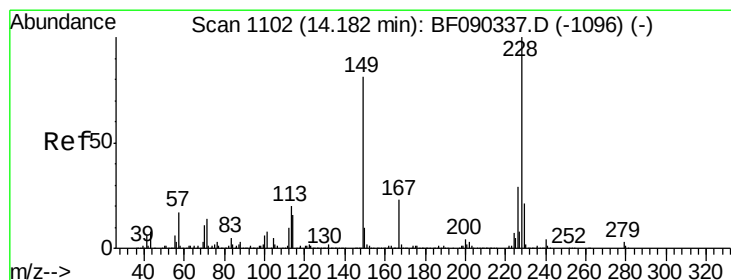
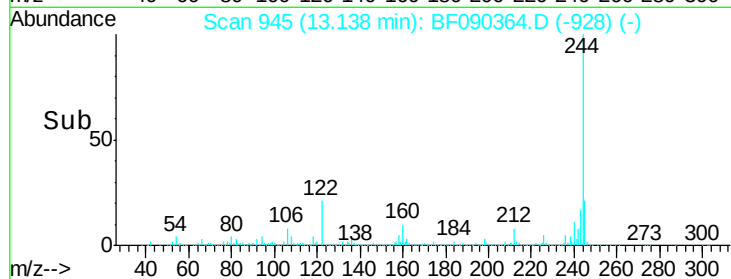
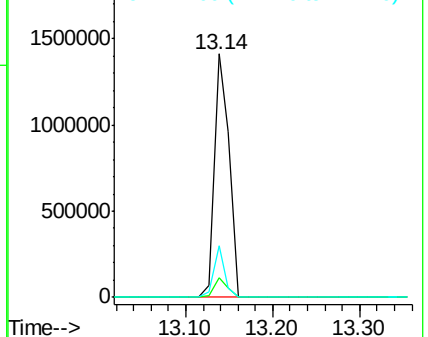
122 21.1 13.3 19.9#



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



#80

Benzo(a)anthracene

Concen: 3.78 ng

RT: 14.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF090364.D

Acq: 5 Oct 2016 1:28

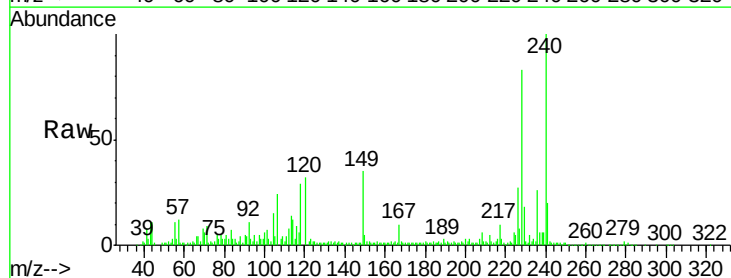
Tgt Ion:228 Resp: 137685

Ion Ratio Lower Upper

228 100

226 32.9 23.6 35.4

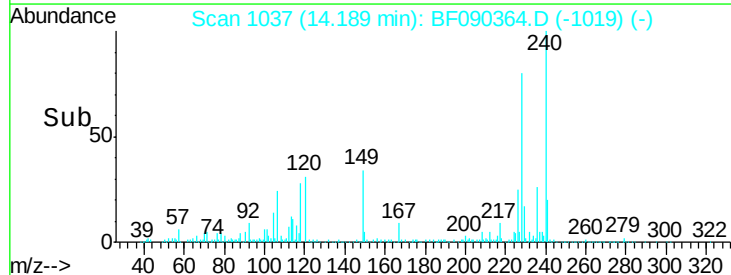
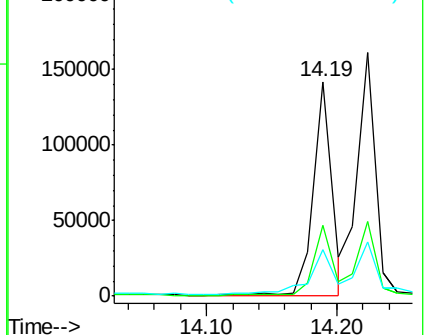
229 21.5 16.6 25.0

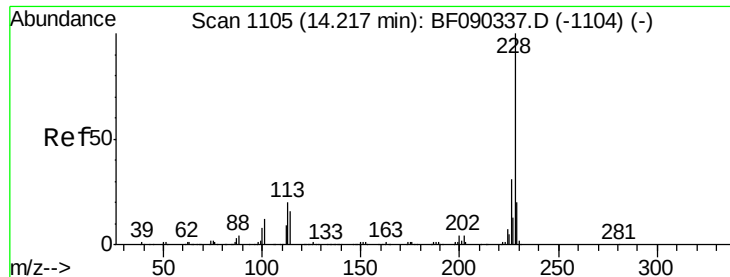


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

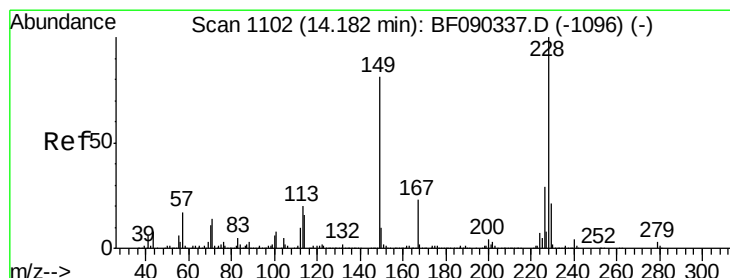
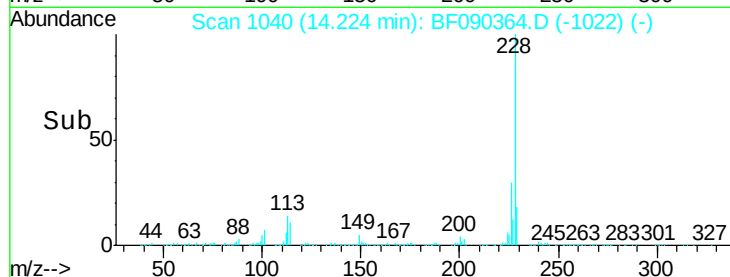
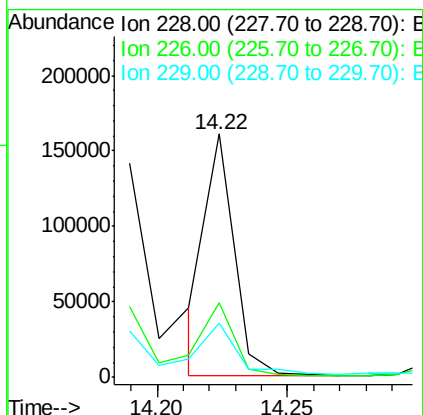
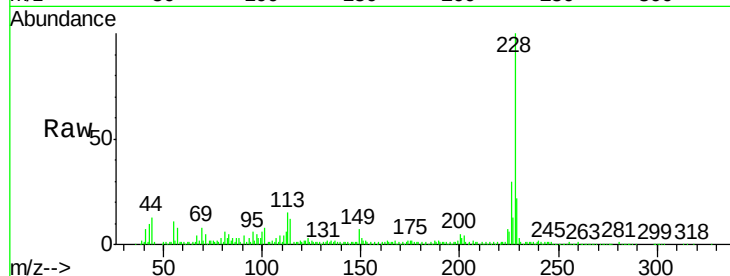




#82
Chrysene
 Concen: 3.59 ng
 RT: 14.22 min Scan# 1040
 Delta R.T. 0.01 min
 Lab File: BF090364.D
 Acq: 5 Oct 2016 1:28

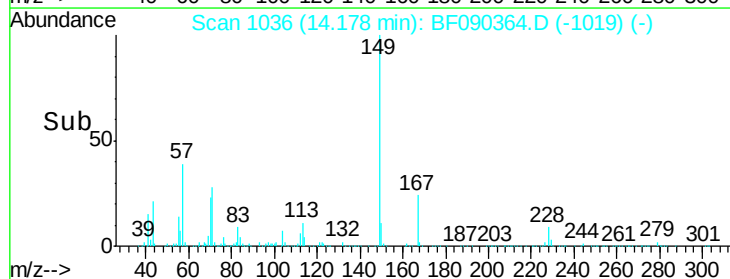
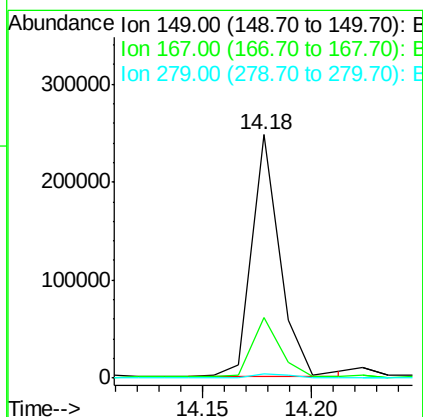
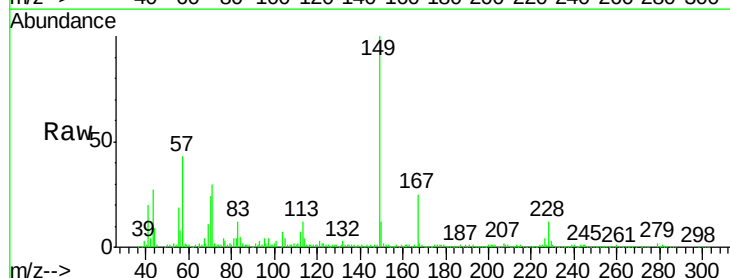
Instrument :
 BNA_F
 ClientSampleId :
 PA-3

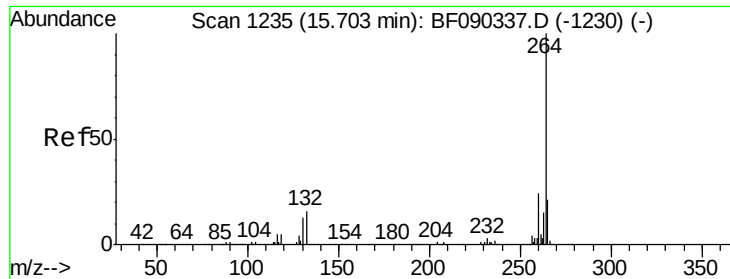
Tgt Ion: 228 Resp: 122825
 Ion Ratio Lower Upper
 228 100
 226 30.5 25.8 38.6
 229 22.0 16.9 25.3



#83
Bis(2-ethylhexyl)phthalate
 Concen: 8.35 ng
 RT: 14.18 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BF090364.D
 Acq: 5 Oct 2016 1:28

Tgt Ion: 149 Resp: 219356
 Ion Ratio Lower Upper
 149 100
 167 24.6 21.5 32.3
 279 1.9 2.6 3.8#

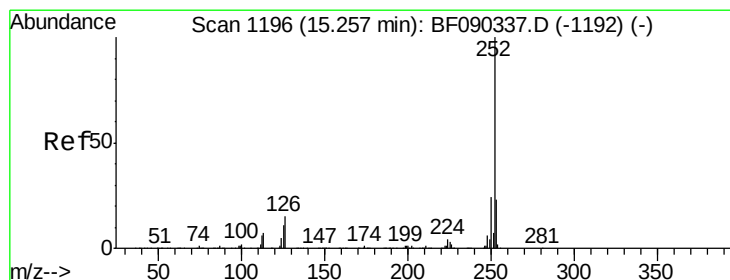
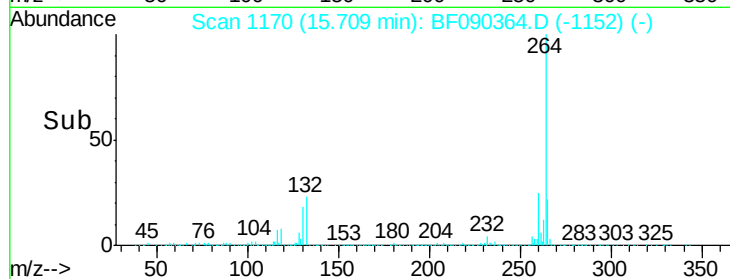
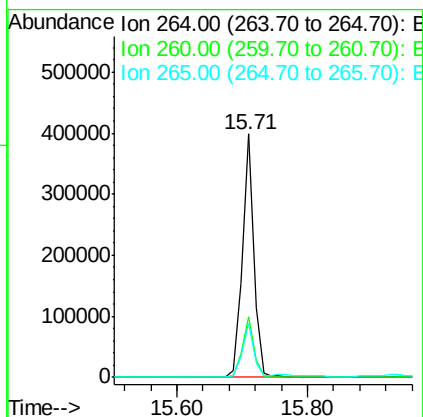
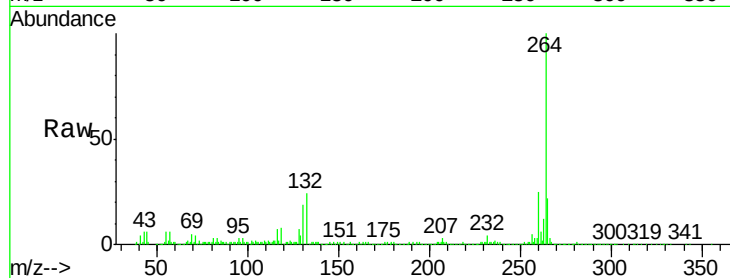




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.71 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF090364.D
Acq: 5 Oct 2016 1:28

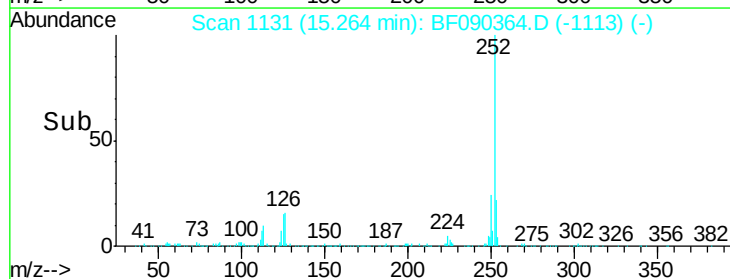
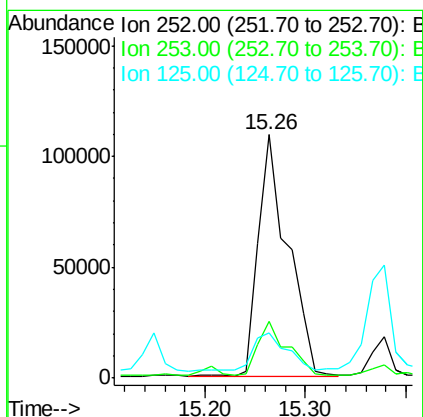
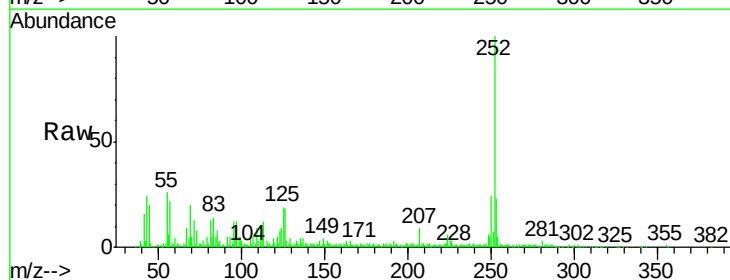
Instrument :
BNA_F
ClientSampleId :
PA-3

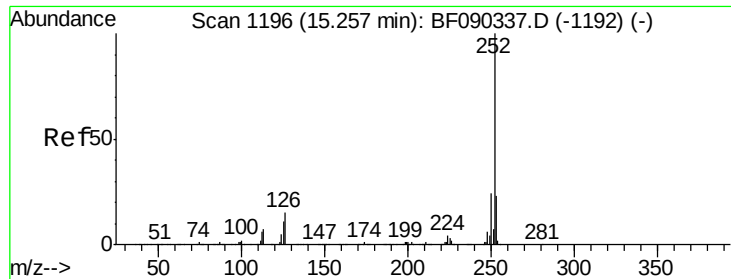
Tgt Ion:264 Resp: 475353
Ion Ratio Lower Upper
264 100
260 24.8 19.3 28.9
265 22.1 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 8.10 ng
RT: 15.26 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF090364.D
Acq: 5 Oct 2016 1:28

Tgt Ion:252 Resp: 221399
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 18.7 7.0 10.4#

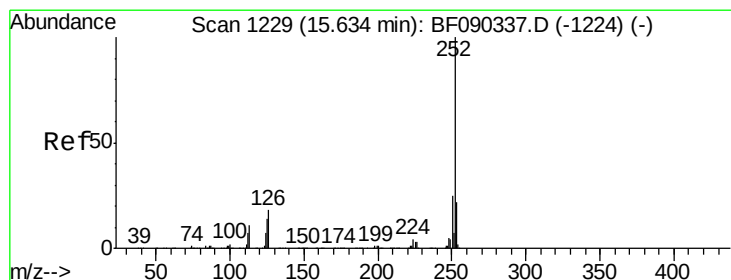
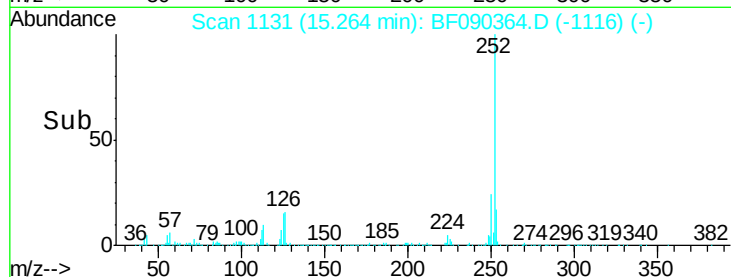
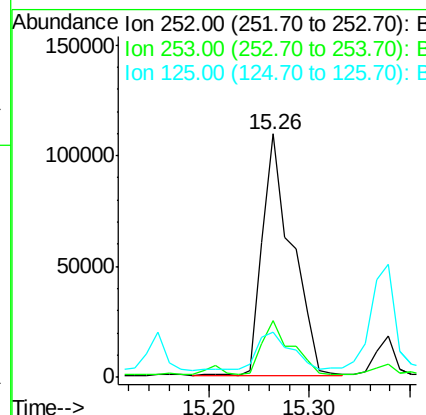
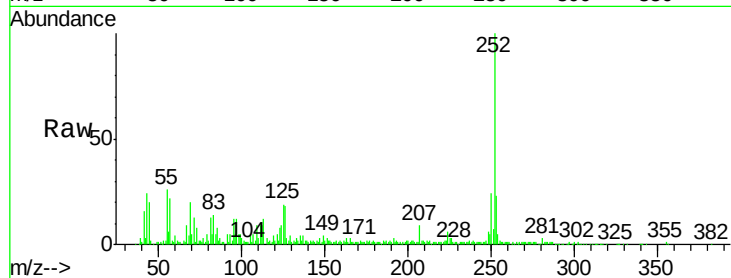




#88
Benzo(k)fluoranthene
Concen: 8.50 ng
RT: 15.26 min Scan# 1131
Delta R.T. -0.03 min
Lab File: BF090364.D
Acq: 5 Oct 2016 1:28

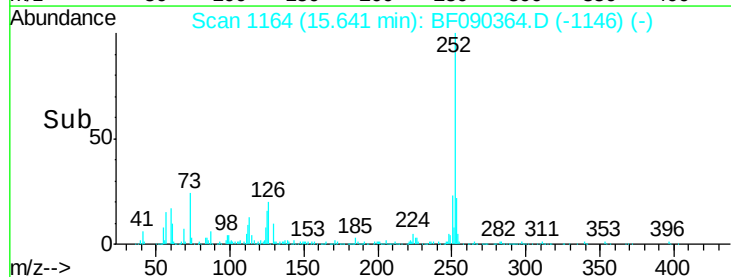
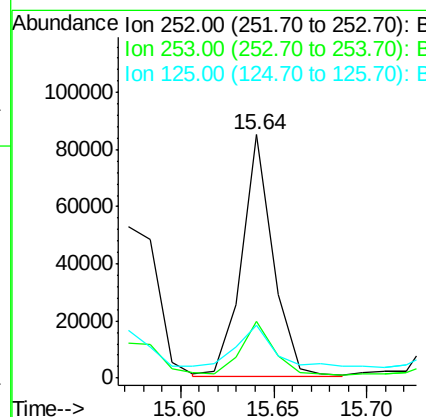
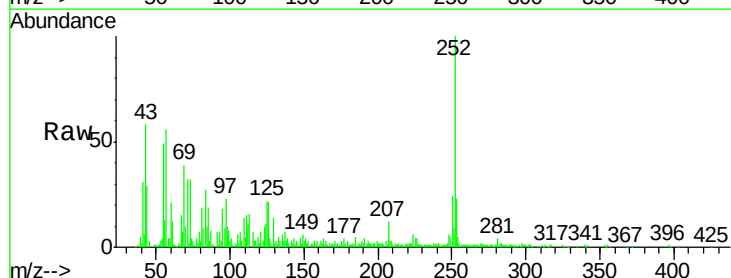
Instrument :
BNA_F
ClientSampled :
PA-3

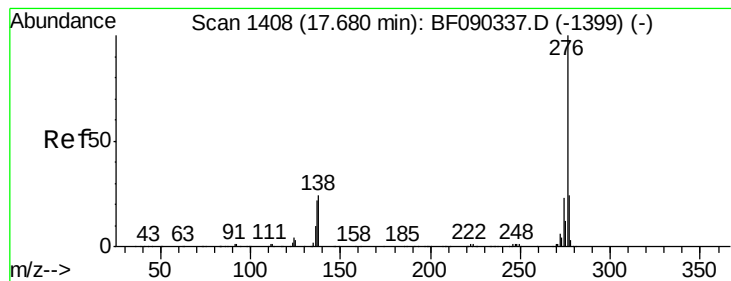
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	27.8
125	18.7	11.7	17.5#



#89
Benzo(a)pyrene
Concen: 3.93 ng
RT: 15.64 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF090364.D
Acq: 5 Oct 2016 1:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	21.5	9.8	14.8#





#91

Benzo(g,h,i)perylene

Concen: 2.09 ng

RT: 17.69 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF090364.D

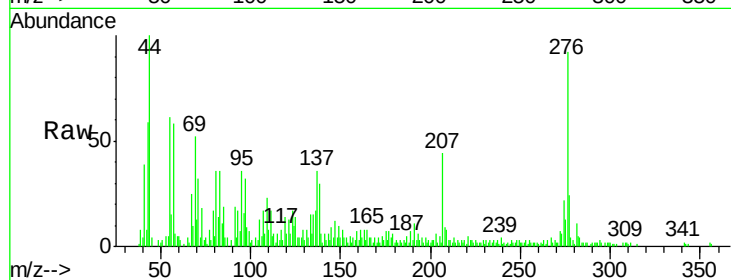
Acq: 5 Oct 2016 1:28

Instrument :

BNA_F

ClientSampleId :

PA-3



Tgt Ion: 276 Resp: 50070

Ion Ratio Lower Upper

276 100

277 25.5 19.4 29.0

138 32.1 20.8 31.2#

