

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
 Data File : BF090361.D
 Acq On : 5 Oct 2016 00:07
 Operator : UM/SJ
 Sample : H4869-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-WSG-16121-09

Quant Time: Oct 05 01:16:49 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	334440	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1311276	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	619080	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	812496	20.00	ng	0.00
75) Chrysene-d12	14.20	240	569987	20.00	ng	0.00
86) Perylene-d12	15.71	264	468555	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	2011002	94.84	ng	0.02
7) Phenol-d6	6.63	99	2648249	99.92	ng	0.00
23) Nitrobenzene-d5	7.57	82	1687248	75.01	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	530186	98.60	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2296971	60.49	ng	0.00
78) Terphenyl-d14	13.14	244	1421830	58.07	ng	0.00

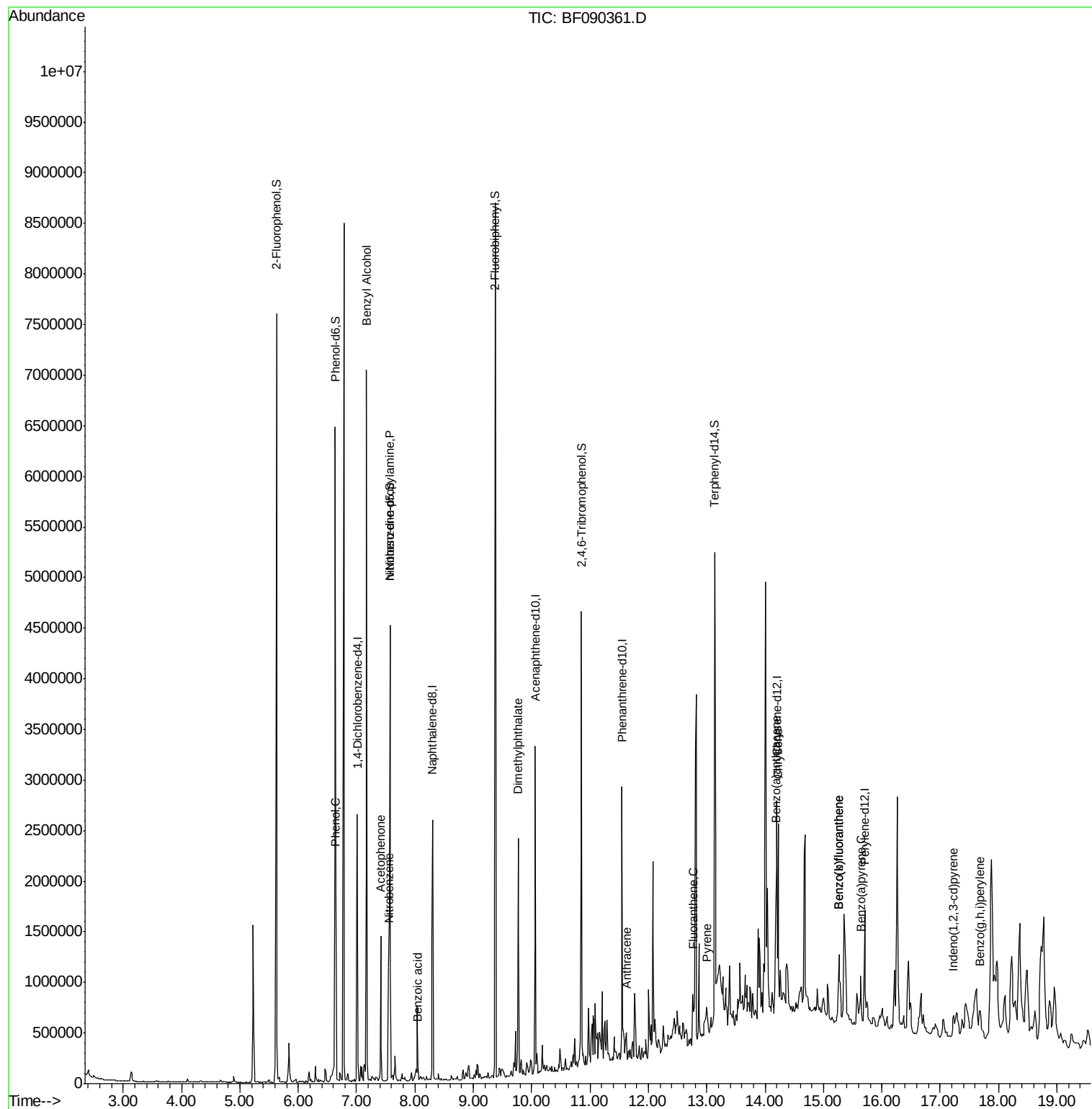
Target Compounds						Qvalue
10) Phenol	6.65	94	74844	2.32	ng	# 78
15) Benzyl Alcohol	7.17	79	47135	2.52	ng	# 46
19) n-Nitroso-di-n-propylamine	7.57	70	238664	14.10	ng	# 65
22) Acetophenone	7.41	105	388520	12.80	ng	# 95
24) Nitrobenzene	7.55	77	59300	2.47	ng	# 52
32) Benzoic acid	8.05	122	2052	5.39	ng	# 31
49) Dimethylphthalate	9.77	163	1146802	31.29	ng	99
71) Anthracene	11.63	178	152586	3.51	ng	94
74) Fluoranthene	12.76	202	187868	4.54	ng	94
77) Pyrene	13.00	202	167037	4.58	ng	97
80) Benzo(a)anthracene	14.19	228	330705	10.35	ng	99
82) Chrysene	14.22	228	589803	19.69	ng	99
85) Indeno(1,2,3-cd)pyrene	17.23	276	89714	2.79	ng	99
87) Benzo(b)fluoranthene	15.26	252	472756	17.55	ng	# 94
88) Benzo(k)fluoranthene	15.26	252	472756	18.37	ng	98
89) Benzo(a)pyrene	15.64	252	189709	7.72	ng	# 95
91) Benzo(g,h,i)perylene	17.69	276	72277	3.06	ng	# 94

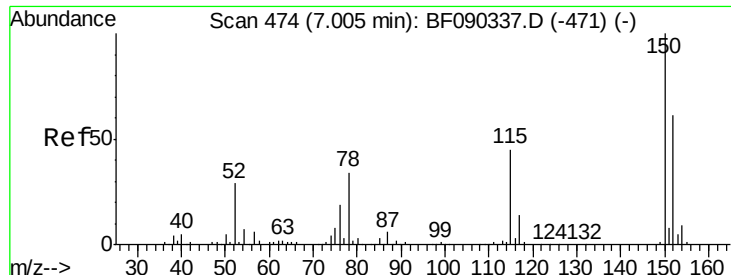
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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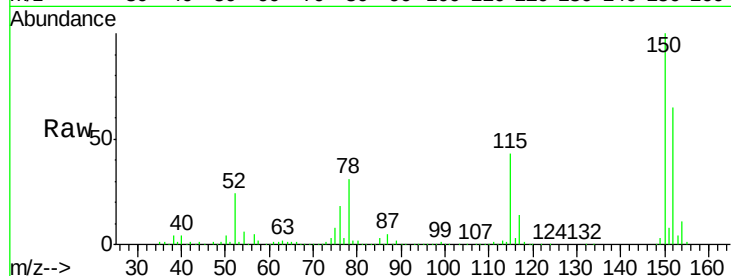


#1

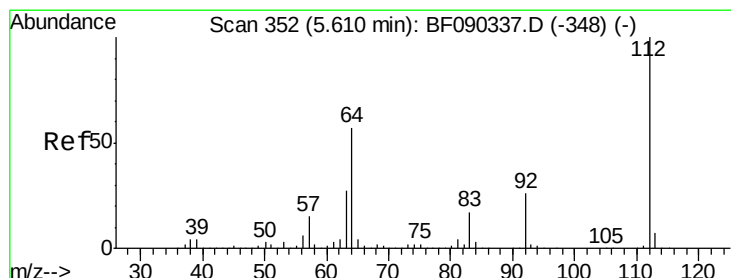
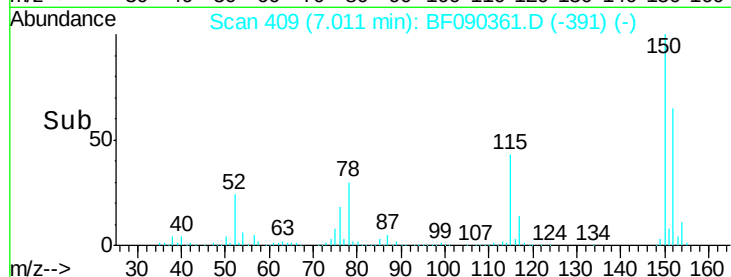
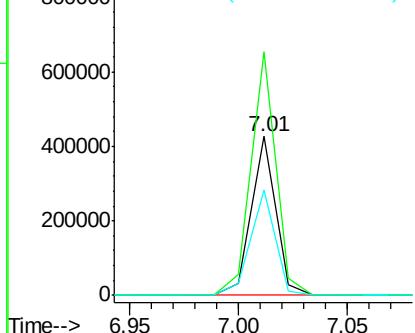
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.01 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-09

Tgt Ion:152 Resp: 334440
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 66.4 46.2 69.4



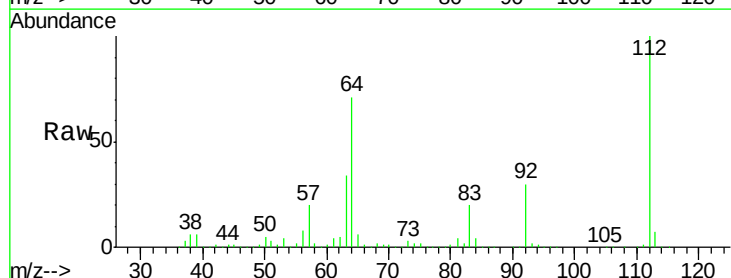
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



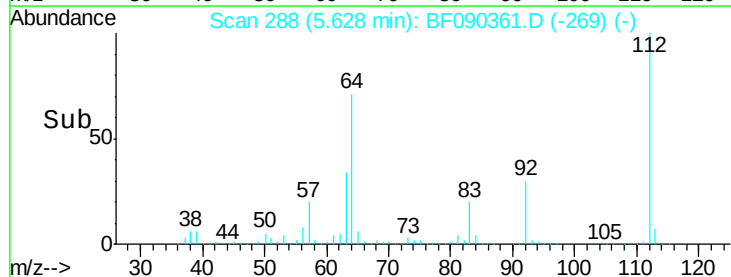
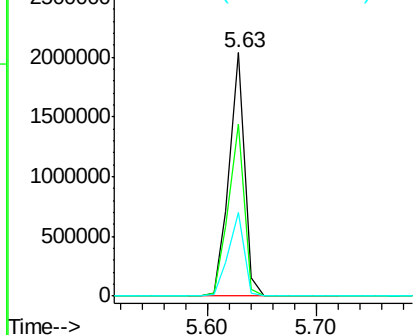
#5

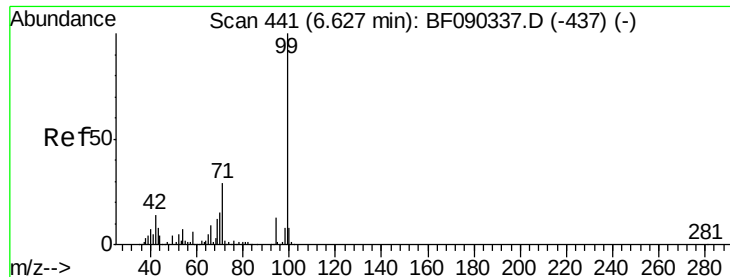
2-Fluorophenol
Concen: 94.84 ng
RT: 5.63 min Scan# 288
Delta R.T. 0.02 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

Tgt Ion:112 Resp: 2011002
Ion Ratio Lower Upper
112 100
64 70.5 57.9 86.9
63 34.1 29.6 44.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.92 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

Instrument :

BNA_F

ClientSampleId :

TS-WSG-16121-09

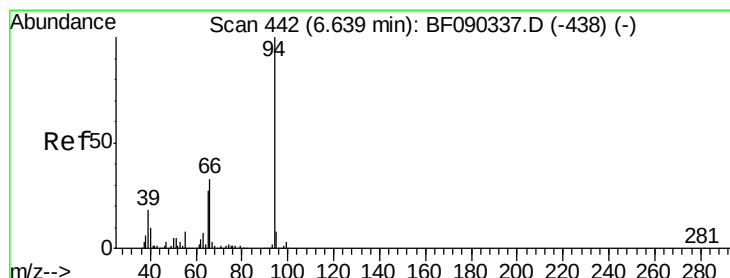
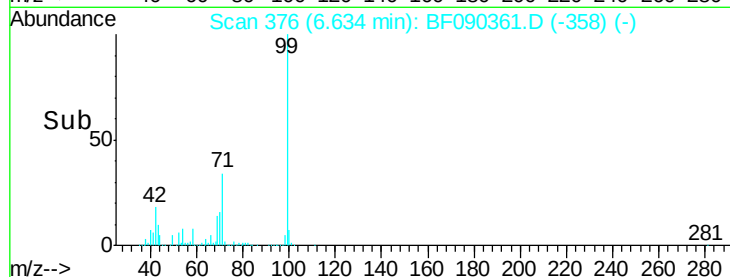
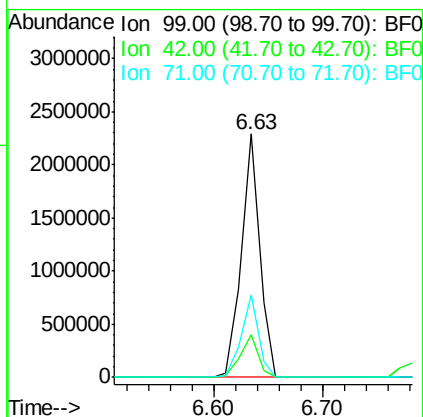
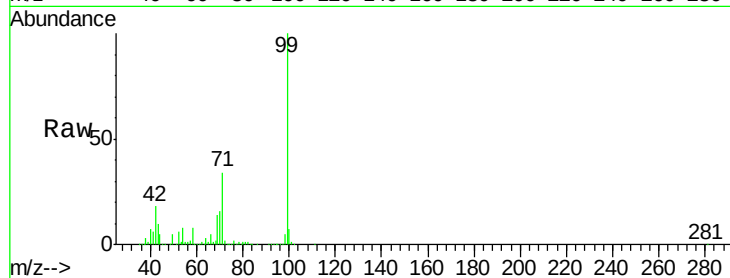
Tgt Ion: 99 Resp: 2648249

Ion Ratio Lower Upper

99 100

42 17.6 20.0 30.0#

71 33.9 27.9 41.9



#10

Phenol

Concen: 2.32 ng

RT: 6.65 min Scan# 377

Delta R.T. 0.01 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

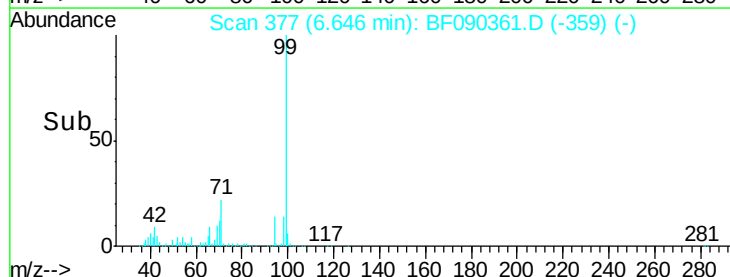
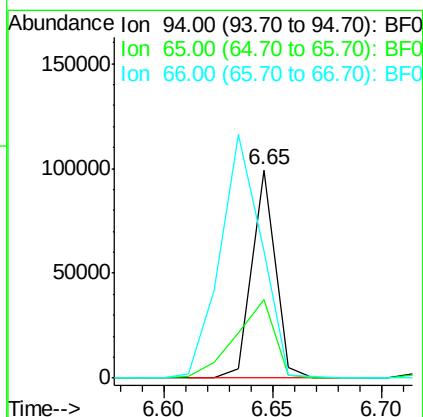
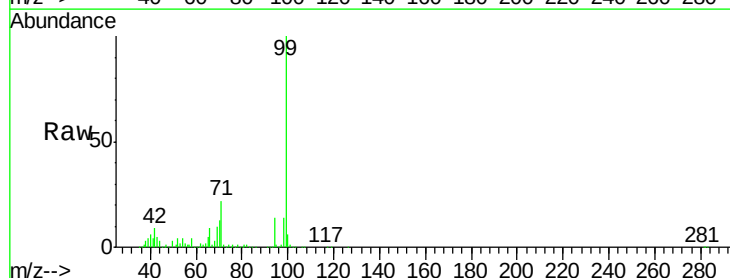
Tgt Ion: 94 Resp: 74844

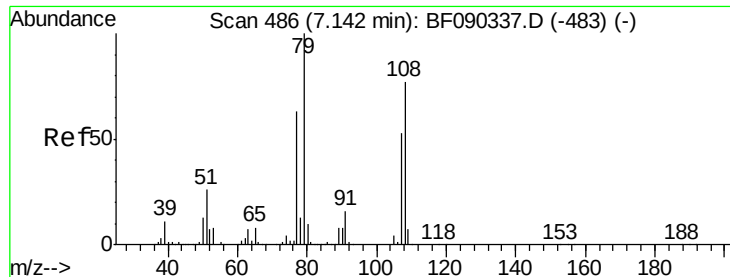
Ion Ratio Lower Upper

94 100

65 37.8 13.3 53.3

66 61.1 20.4 60.4#





#15

Benzyl Alcohol

Concen: 2.52 ng

RT: 7.17 min Scan# 423

Delta R.T. 0.03 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

Instrument :

BNA_F

ClientSampleId :

TS-WSG-16121-09

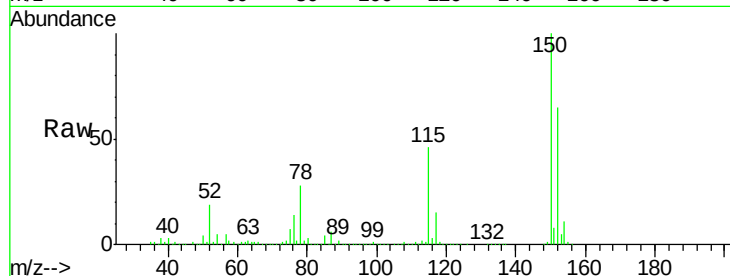
Tgt Ion: 79 Resp: 47135

Ion Ratio Lower Upper

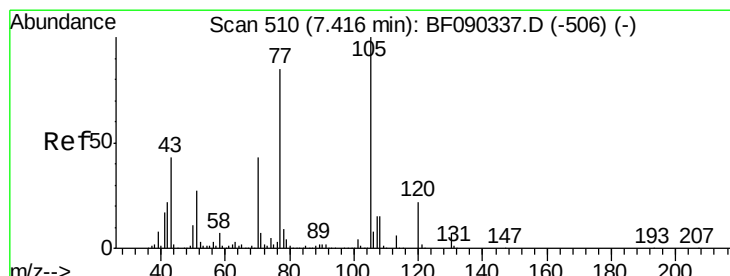
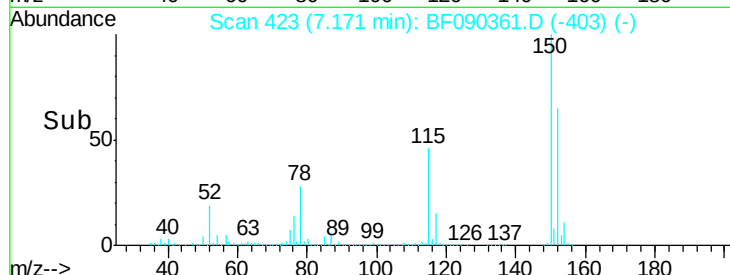
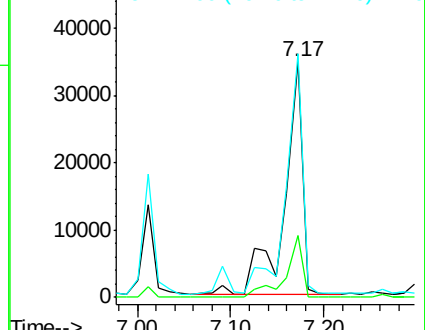
79 100

108 26.0 60.9 91.3#

77 103.4 51.5 77.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): B
Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.10 ng

RT: 7.57 min Scan# 458

Delta R.T. 0.16 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

Tgt Ion: 70 Resp: 238664

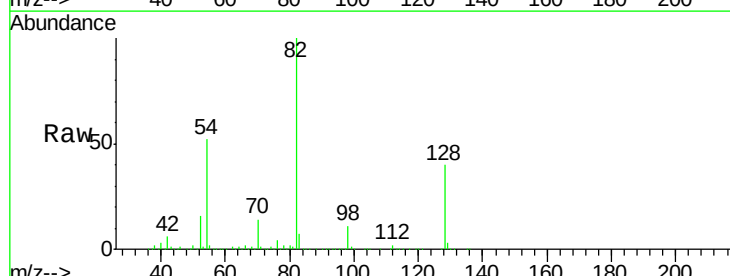
Ion Ratio Lower Upper

70 100

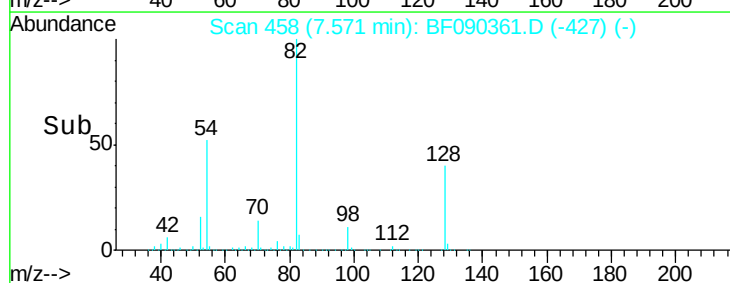
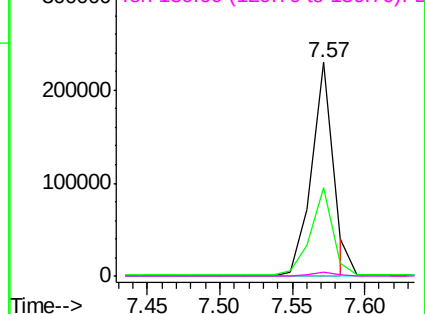
42 41.5 55.4 83.2#

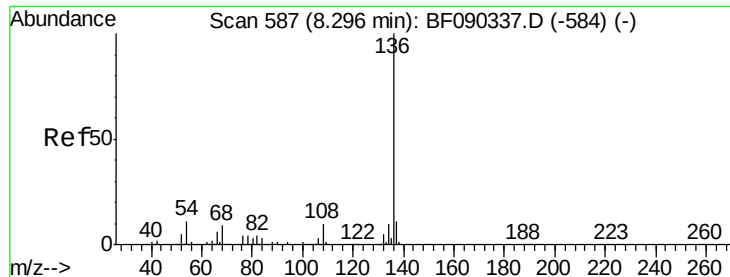
101 0.0 7.6 11.4#

130 1.9 16.5 24.7#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): B
Ion 130.00 (129.70 to 130.70): B

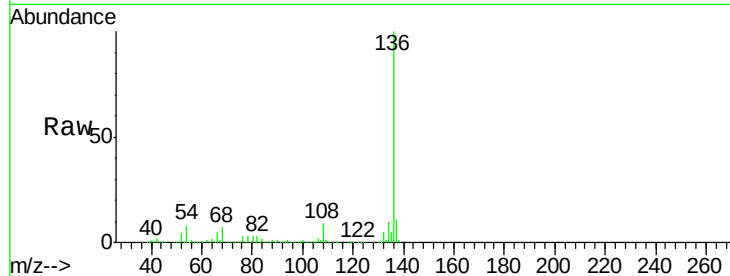




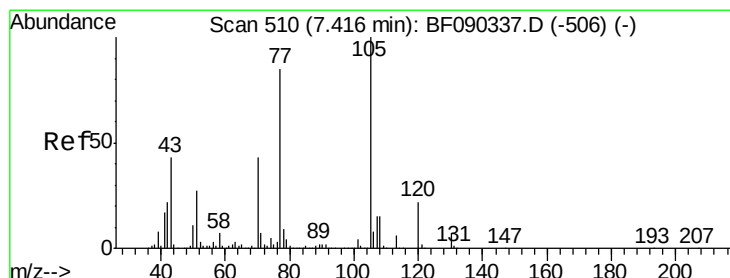
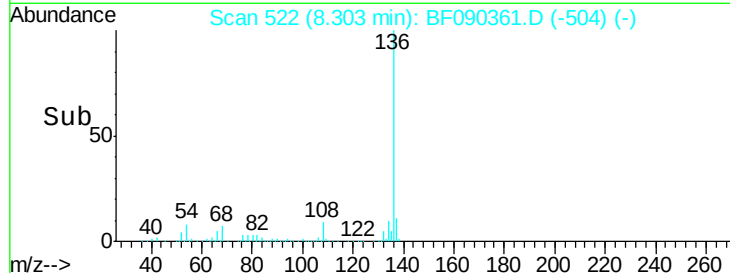
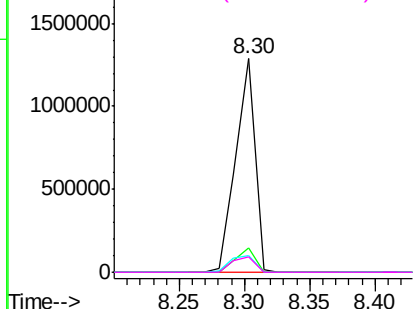
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.30 min Scan# 522
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

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TS-WSG-16121-09

Tgt Ion:	136	Resp:	1311276
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	8.1	6.6	10.0
68	7.2	5.0	7.6

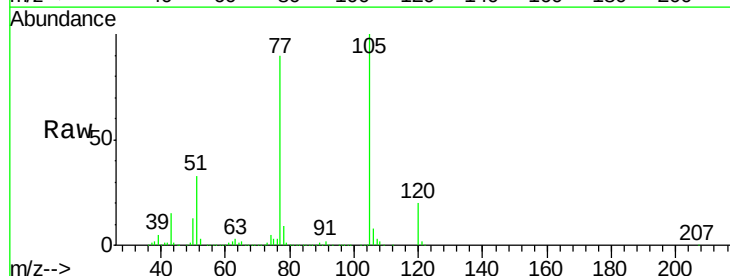


Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

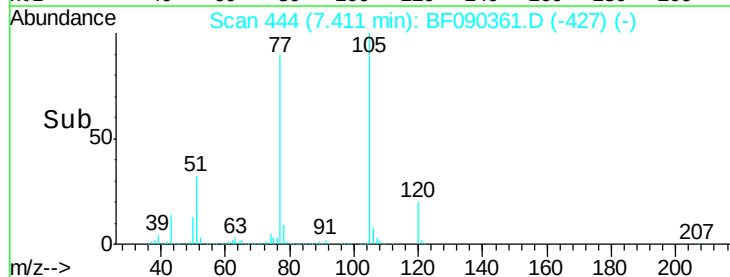
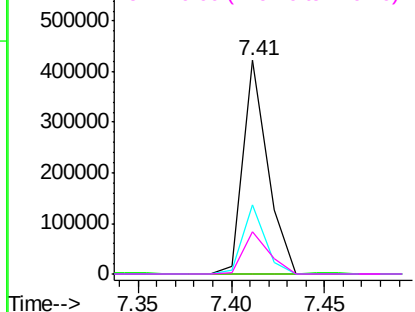


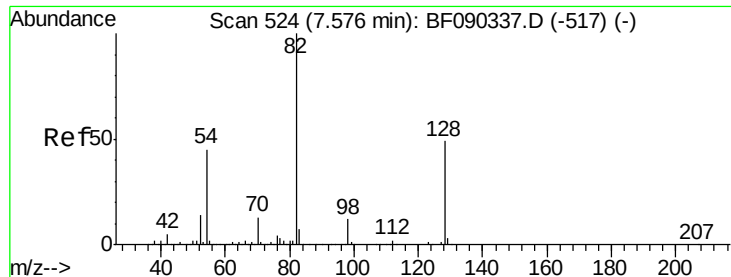
#22
Acetophenone
Concen: 12.80 ng
RT: 7.41 min Scan# 444
Delta R.T. -0.00 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

Tgt Ion:	105	Resp:	388520
Ion	Ratio	Lower	Upper
105	100		
71	0.2	3.8	5.6#
51	32.6	28.2	42.4
120	19.7	17.4	26.2



Abundance Ion 105.00 (104.70 to 105.70): E
600000
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

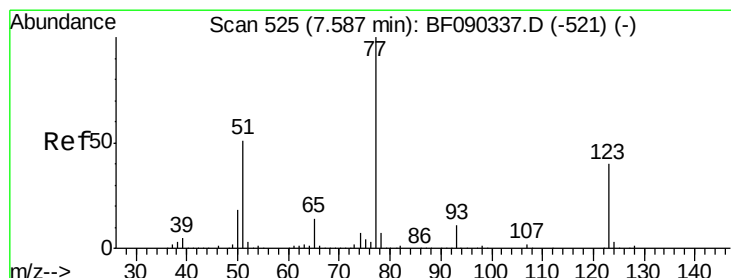
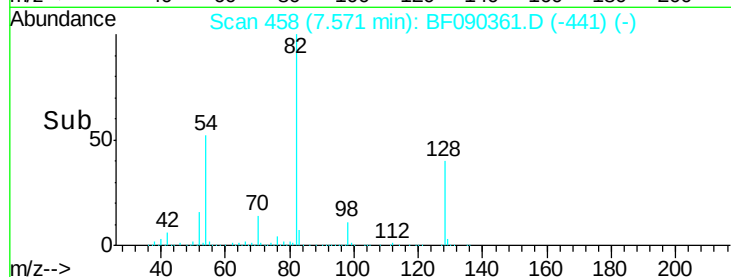
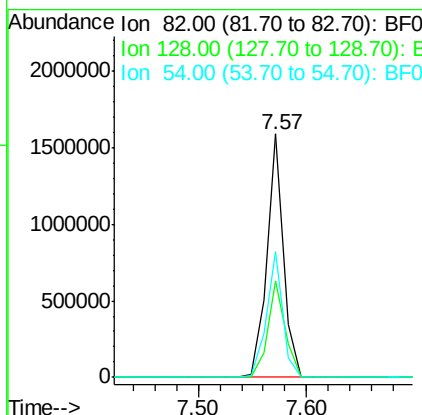
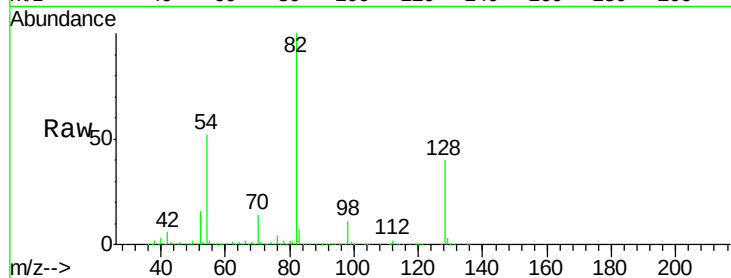




#23
Nitrobenzene-d5
Concen: 75.01 ng
RT: 7.57 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

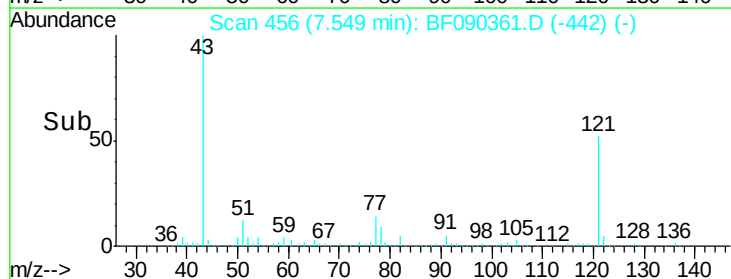
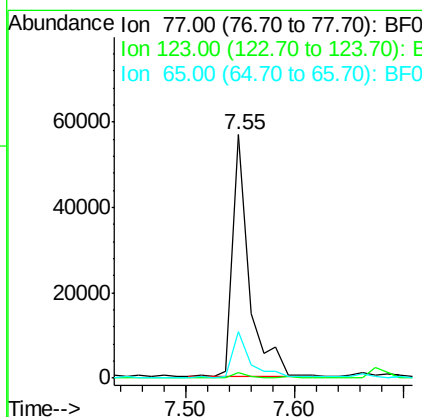
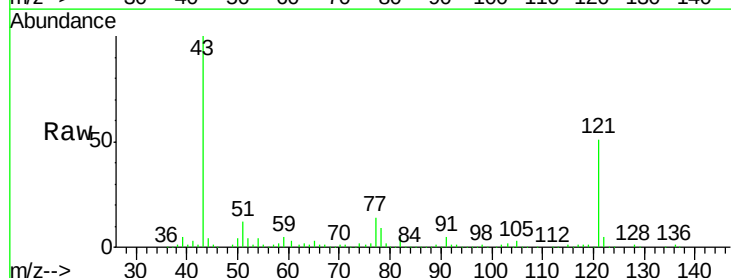
Instrument :
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ClientSampleId :
TS-WSG-16121-09

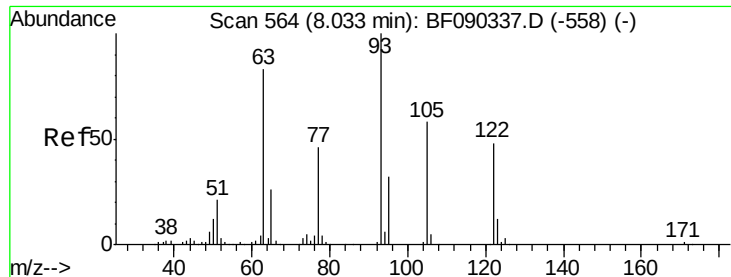
Tgt Ion: 82 Resp: 1687248
Ion Ratio Lower Upper
82 100
128 39.5 40.0 60.0#
54 51.7 42.6 64.0



#24
Nitrobenzene
Concen: 2.47 ng
RT: 7.55 min Scan# 456
Delta R.T. -0.04 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

Tgt Ion: 77 Resp: 59300
Ion Ratio Lower Upper
77 100
123 2.4 33.0 49.4#
65 19.2 12.0 18.0#

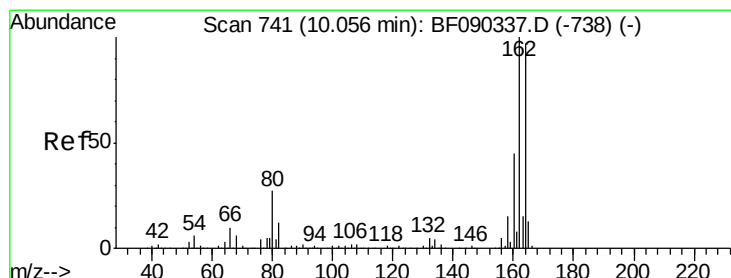
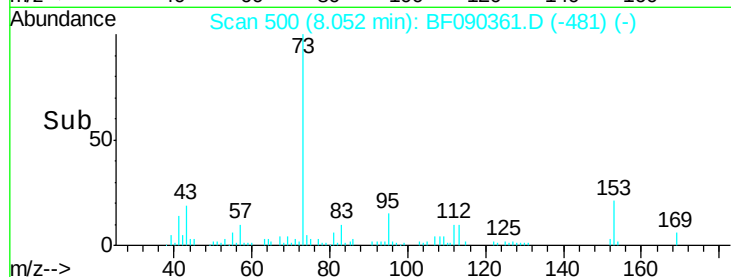
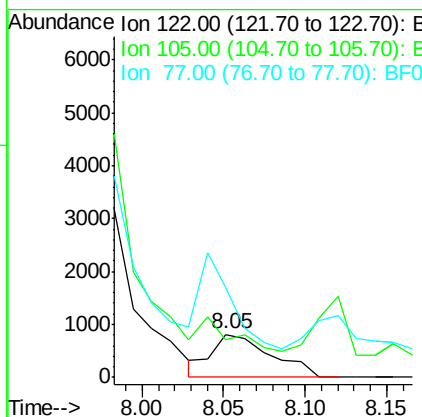
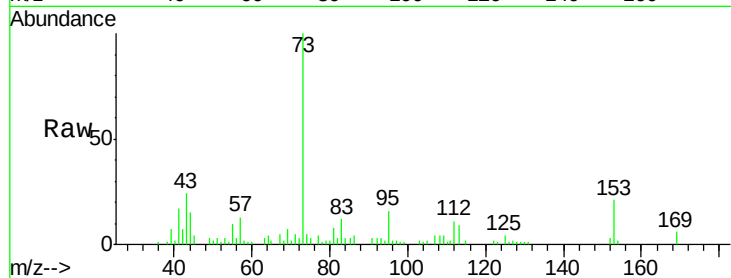




#32
Benzoic acid
Concen: 5.39 ng
RT: 8.05 min Scan# 500
Delta R.T. 0.02 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

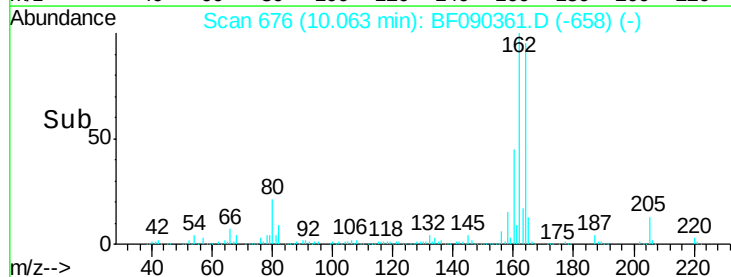
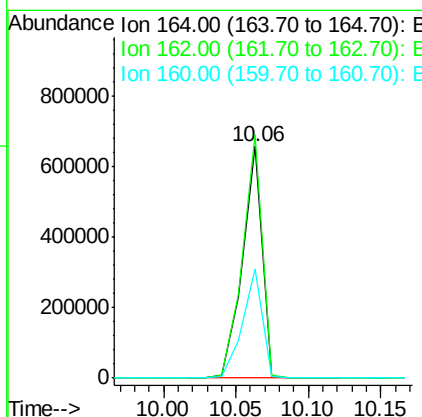
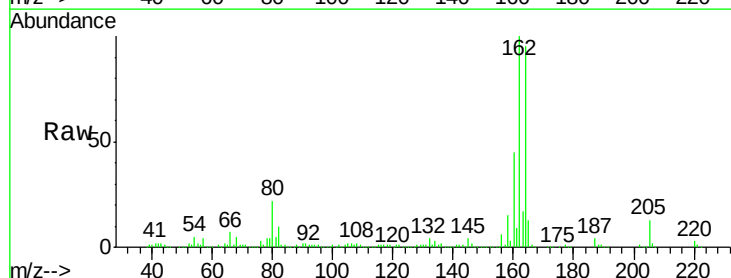
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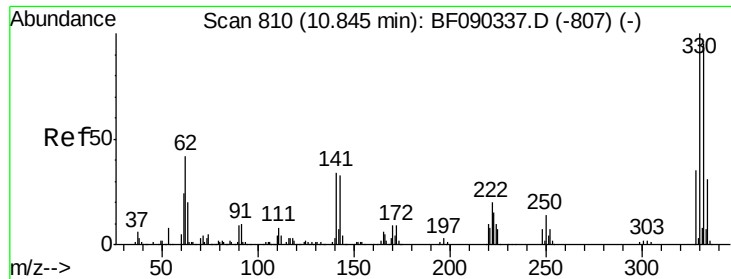
Tgt Ion:122 Resp: 2052
Ion Ratio Lower Upper
122 100
105 87.7 103.9 143.9#
77 209.2 74.6 114.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.06 min Scan# 676
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

Tgt Ion:164 Resp: 619080
Ion Ratio Lower Upper
164 100
162 105.1 80.1 120.1
160 47.2 36.3 54.5

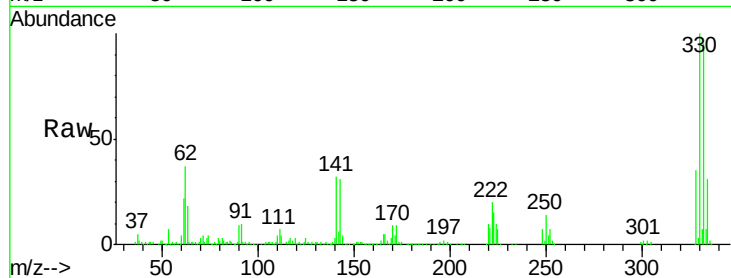




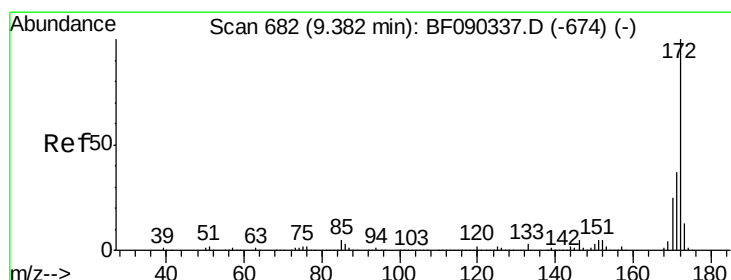
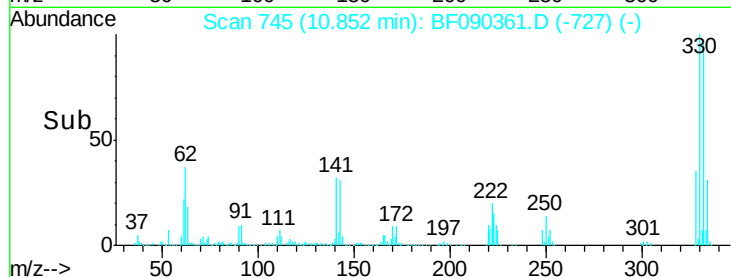
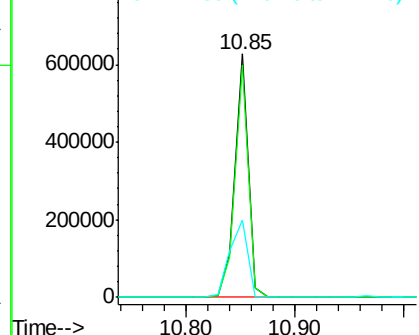
#41
 2,4,6-Tribromophenol
 Concen: 98.60 ng
 RT: 10.85 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

Instrument :
 BNA_F
 ClientSampleId :
 TS-WSG-16121-09

Tgt Ion:330 Resp: 530186
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.4 113.0
 141 42.6 26.9 40.3#

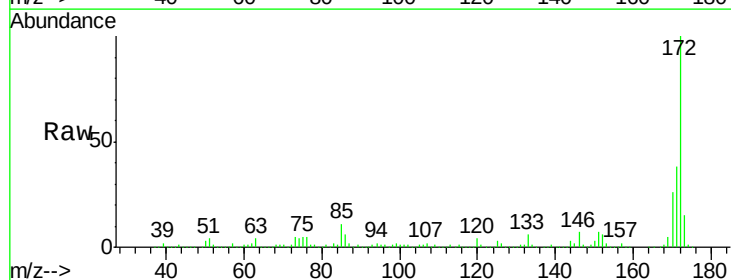


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

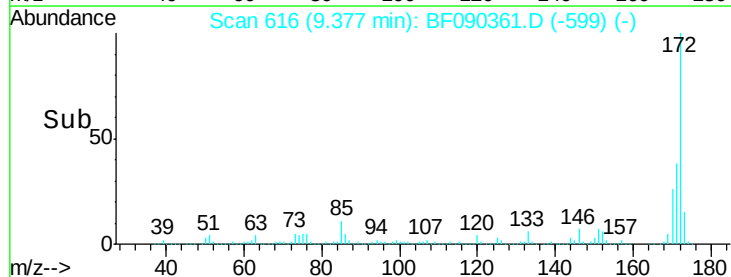
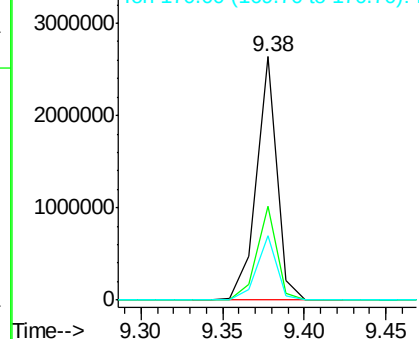


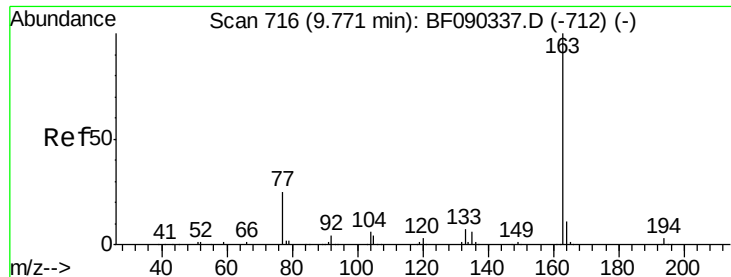
#44
 2-Fluorobiphenyl
 Concen: 60.49 ng
 RT: 9.38 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

Tgt Ion:172 Resp: 2296971
 Ion Ratio Lower Upper
 172 100
 171 38.3 31.8 47.8
 170 26.3 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: 31.29 ng

RT: 9.77 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

Instrument :

BNA_F

ClientSampleId :

TS-WSG-16121-09

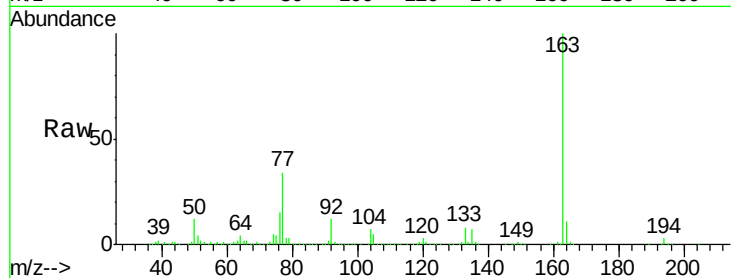
Tgt Ion:163 Resp: 1146802

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

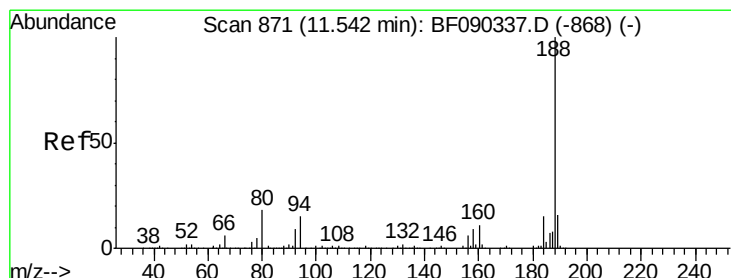
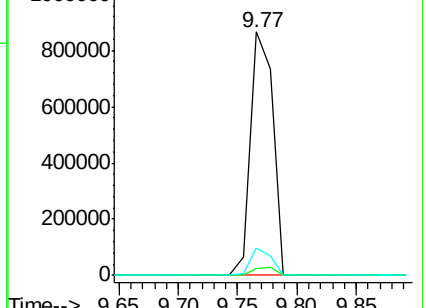
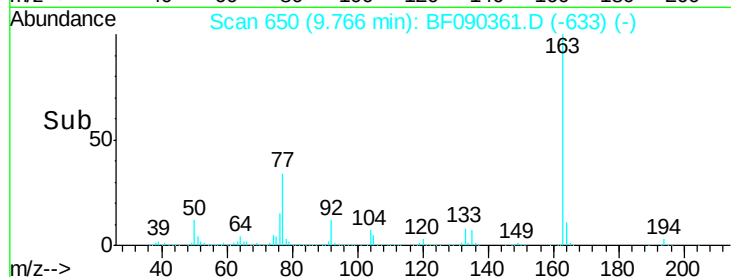
164 11.0 9.0 13.4



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: BF090361.D

Acq: 5 Oct 2016 00:07

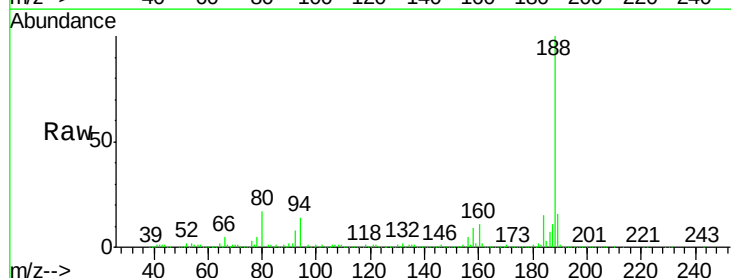
Tgt Ion:188 Resp: 812496

Ion Ratio Lower Upper

188 100

94 14.3 8.2 12.2#

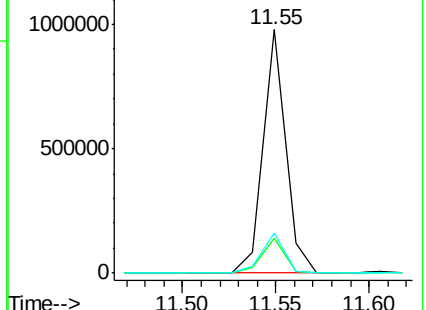
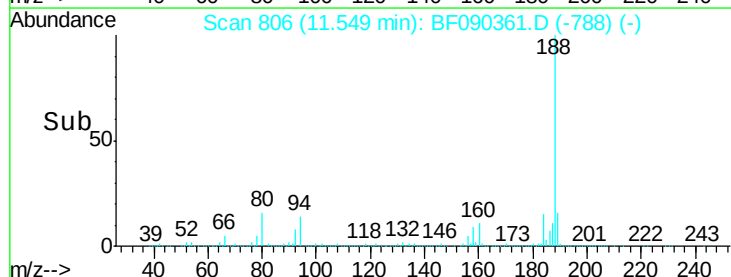
80 16.5 8.8 13.2#

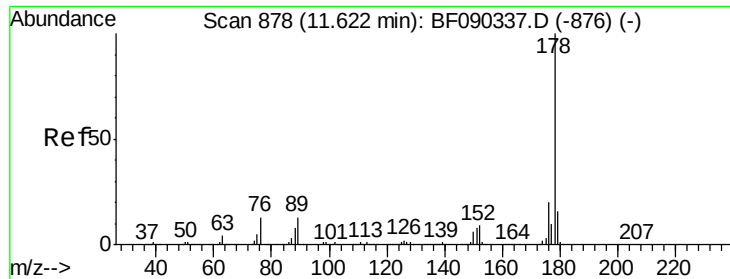


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#71

Anthracene

Concen: 3.51 ng

RT: 11.63 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

Instrument :

BNA_F

ClientSampleId :

TS-WSG-16121-09

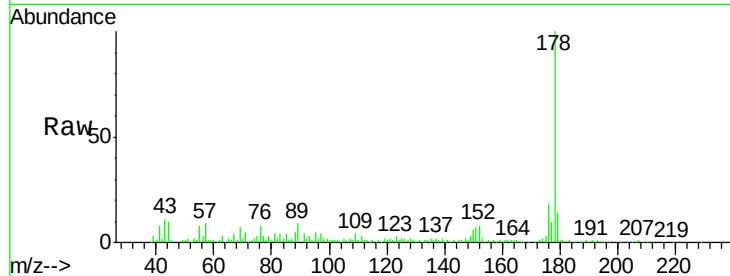
Tgt Ion:178 Resp: 152586

Ion Ratio Lower Upper

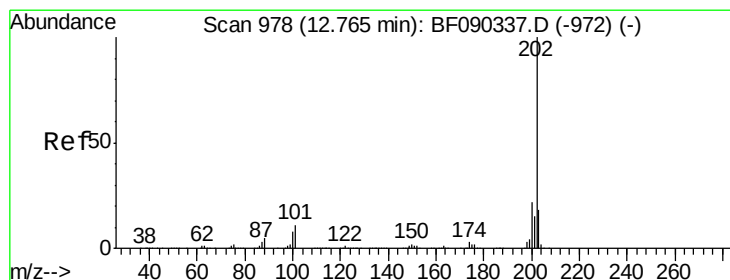
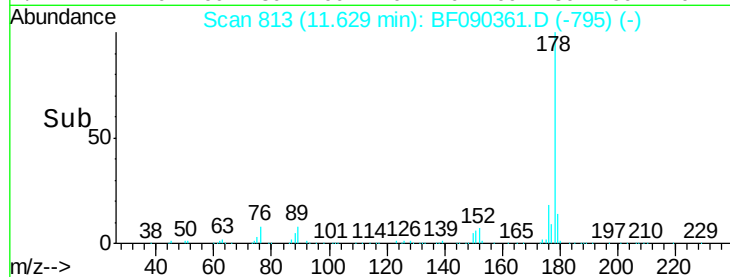
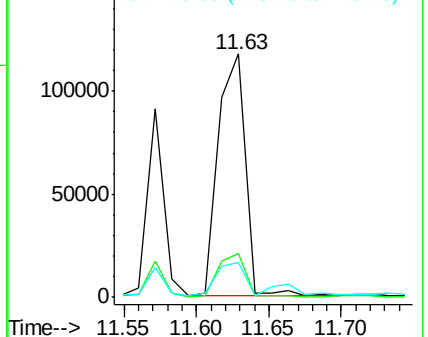
178 100

176 17.9 16.8 25.2

179 14.5 13.4 20.2



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: 4.54 ng

RT: 12.76 min Scan# 912

Delta R.T. -0.00 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

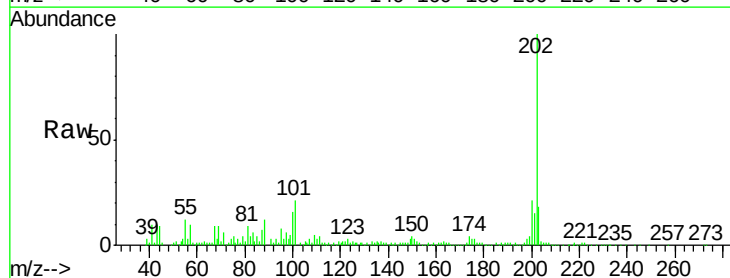
Tgt Ion:202 Resp: 187868

Ion Ratio Lower Upper

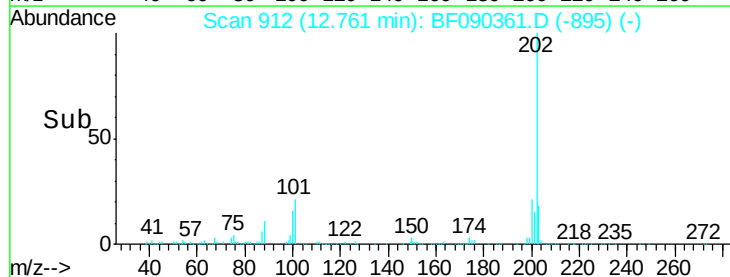
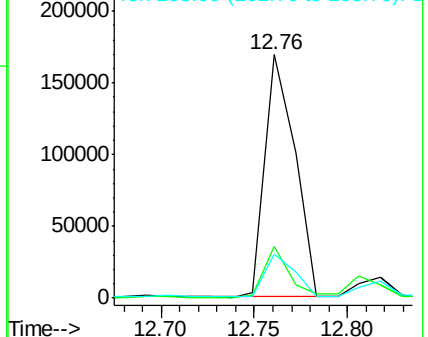
202 100

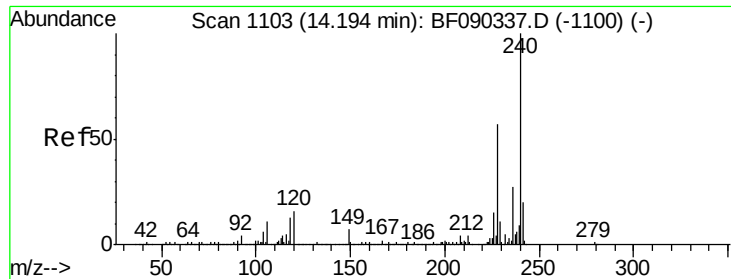
101 21.3 0.0 37.2

203 18.2 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: BF090361.D

Acq: 5 Oct 2016 00:07

Instrument :

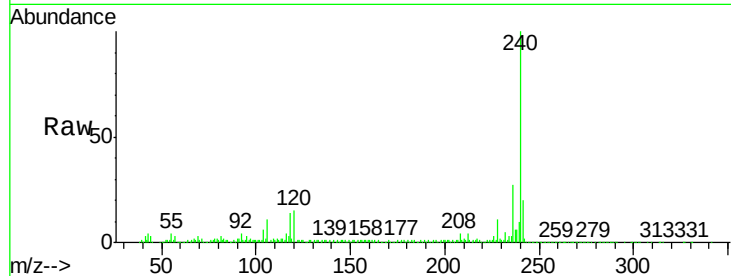
BNA_F

ClientSampleId :

TS-WSG-16121-09

Tgt Ion:240 Resp: 569987

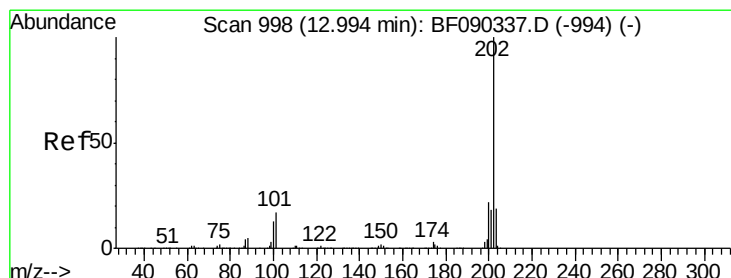
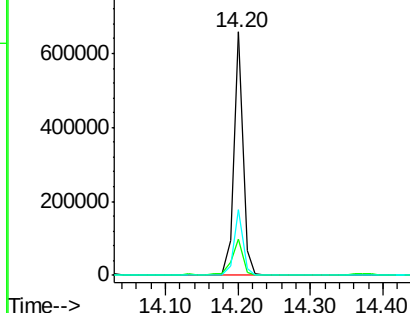
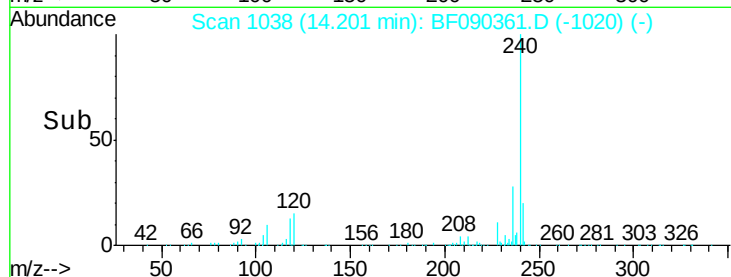
Ion	Ratio	Lower	Upper
240	100		
120	15.1	8.6	13.0#
236	26.8	21.6	32.4



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: 4.58 ng

RT: 13.00 min Scan# 933

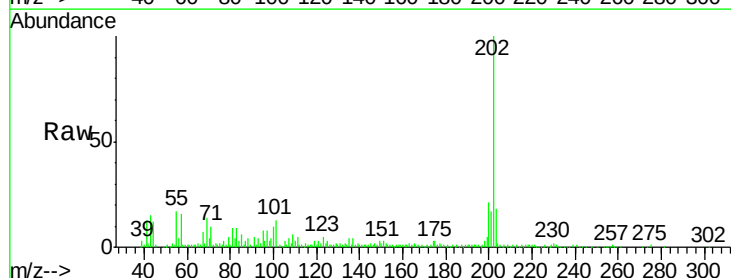
Delta R.T. 0.01 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

Tgt Ion:202 Resp: 167037

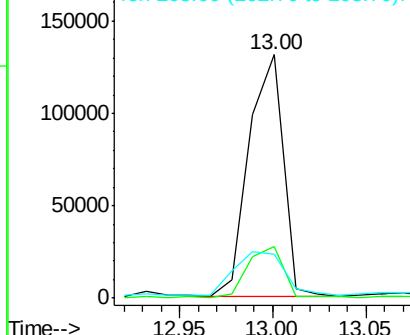
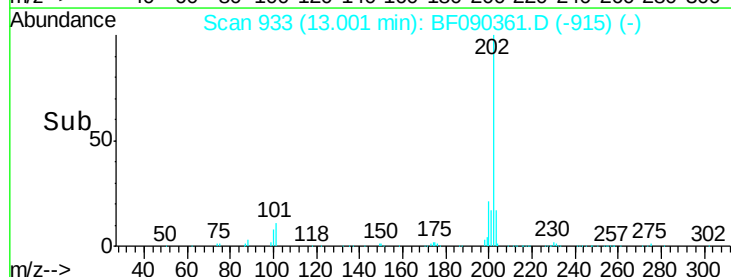
Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.5	27.7
203	18.3	15.0	22.6

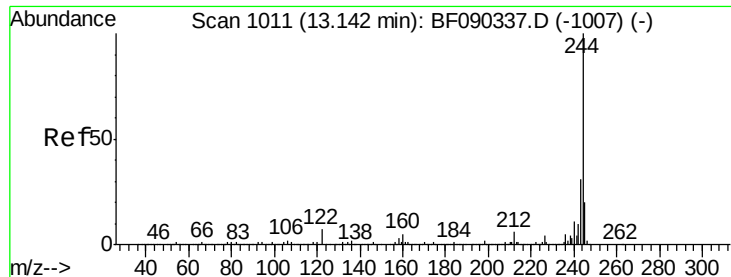


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.07 ng

RT: 13.14 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

Instrument :

BNA_F

ClientSampleId :

TS-WSG-16121-09

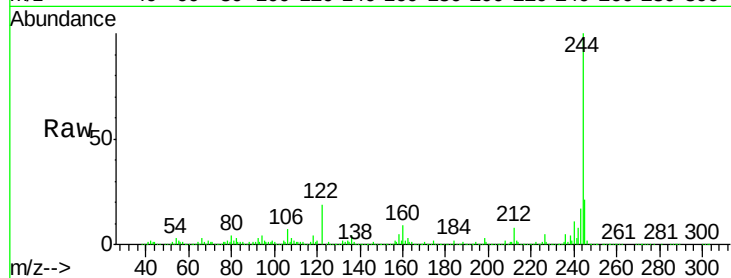
Tgt Ion:244 Resp: 1421830

Ion Ratio Lower Upper

244 100

212 7.7 6.8 10.2

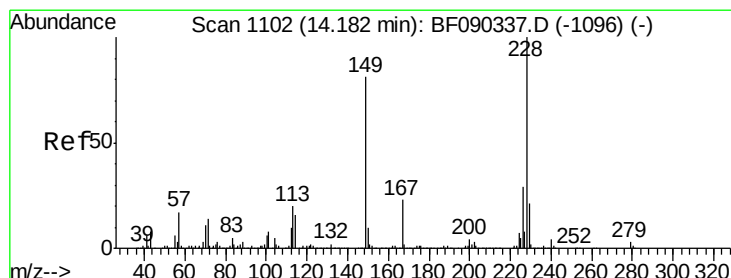
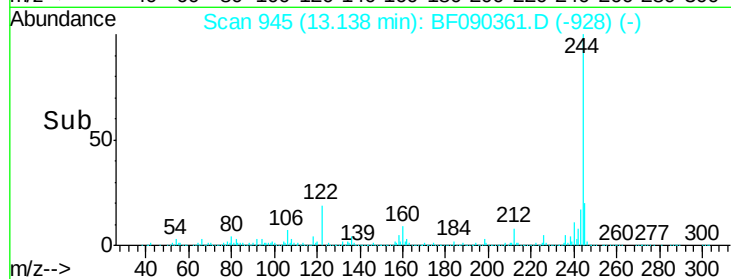
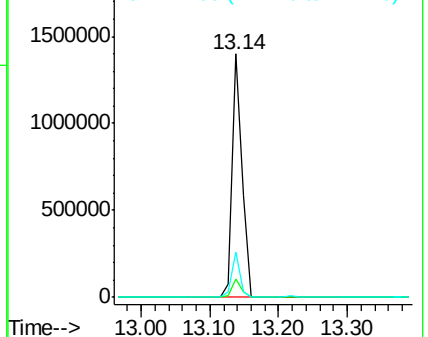
122 18.8 13.3 19.9



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: 10.35 ng

RT: 14.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

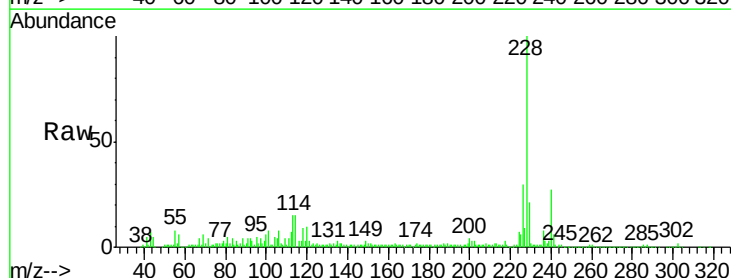
Tgt Ion:228 Resp: 330705

Ion Ratio Lower Upper

228 100

226 30.1 23.6 35.4

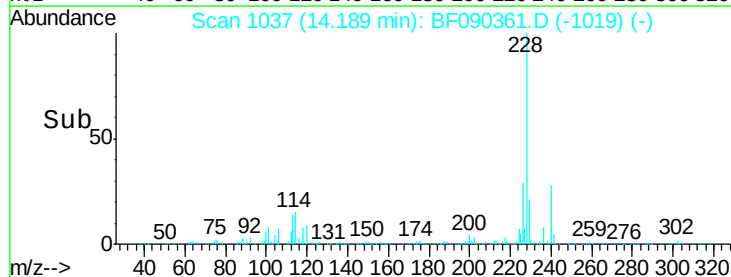
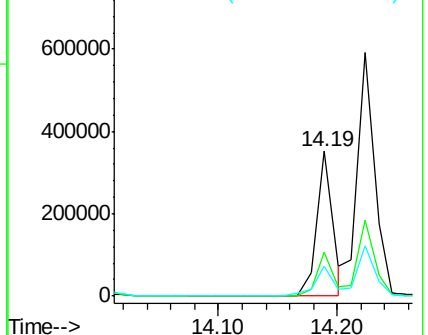
229 21.0 16.6 25.0

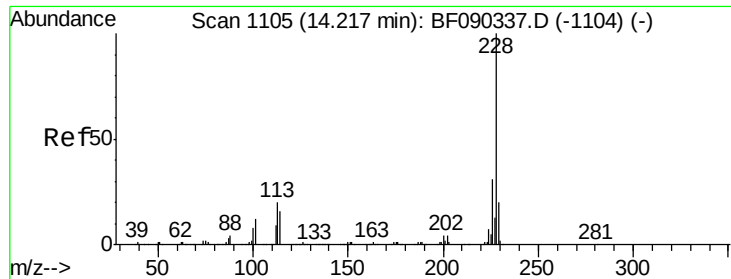


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 19.69 ng

RT: 14.22 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

Instrument :

BNA_F

ClientSampleId :

TS-WSG-16121-09

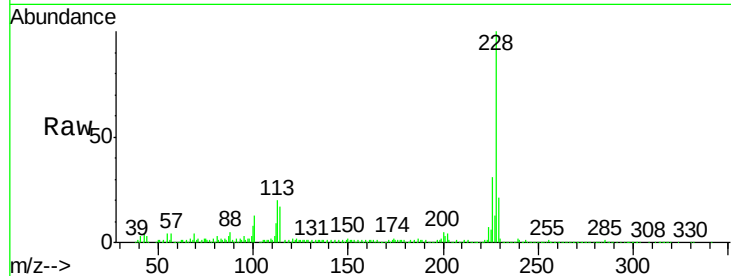
Tgt Ion:228 Resp: 589803

Ion Ratio Lower Upper

228 100

226 31.0 25.8 38.6

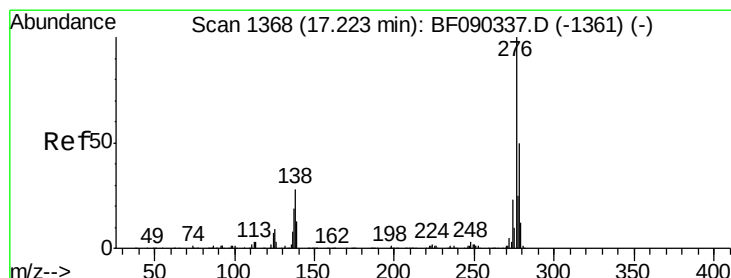
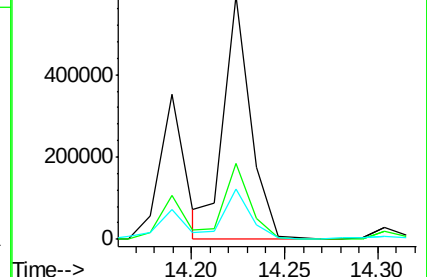
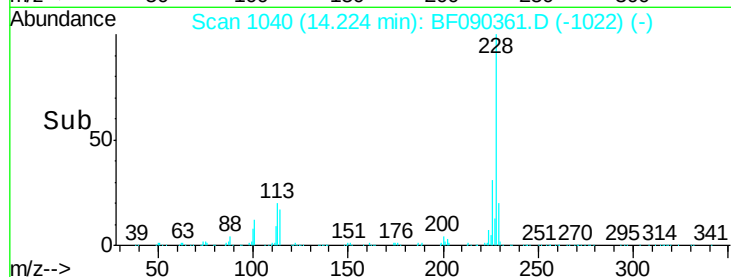
229 20.9 16.9 25.3



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.79 ng

RT: 17.23 min Scan# 1303

Delta R.T. 0.01 min

Lab File: BF090361.D

Acq: 5 Oct 2016 00:07

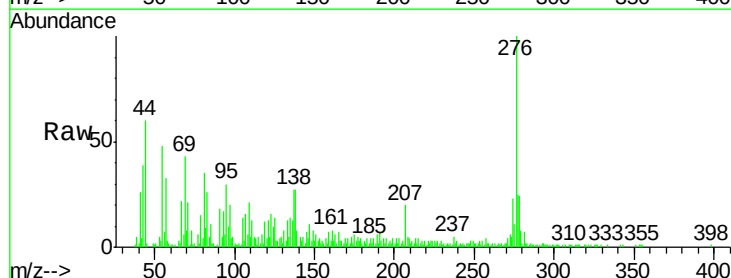
Tgt Ion:276 Resp: 89714

Ion Ratio Lower Upper

276 100

138 28.9 23.8 35.8

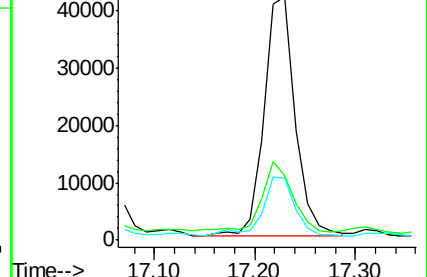
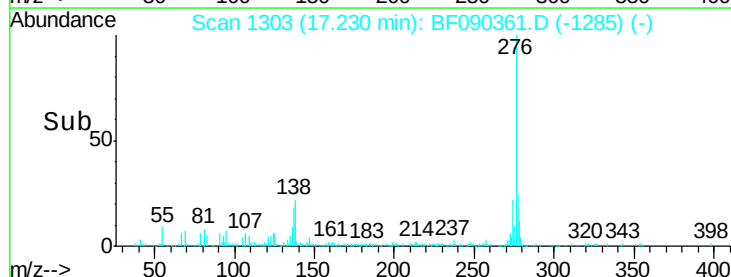
277 25.8 20.4 30.6

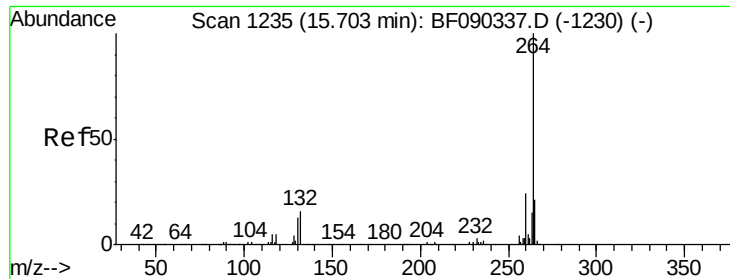


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

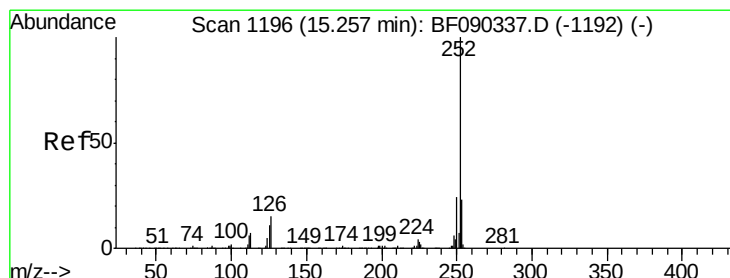
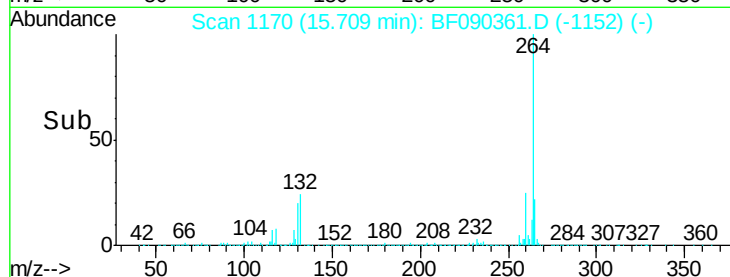
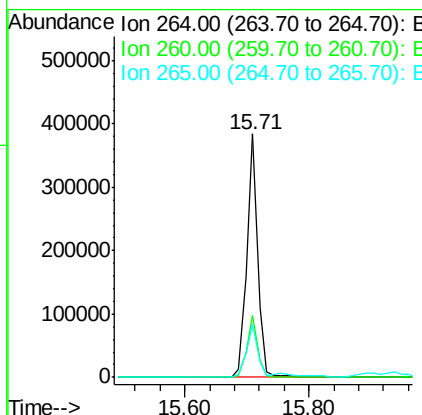
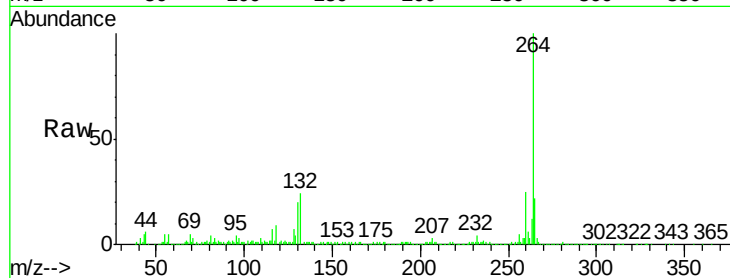




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.71 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

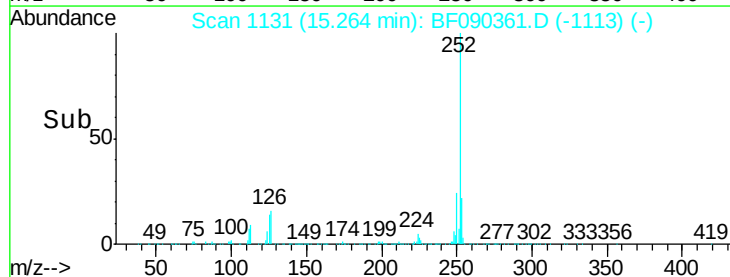
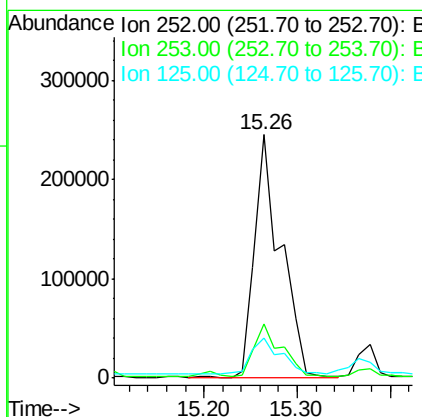
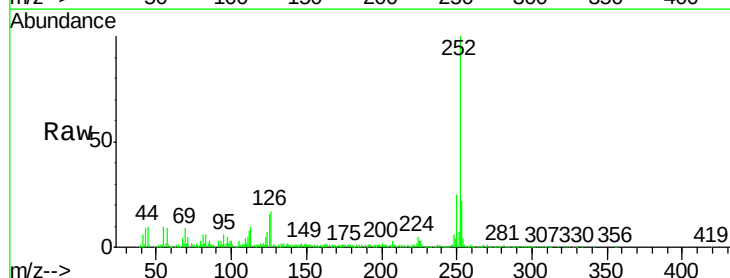
Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-09

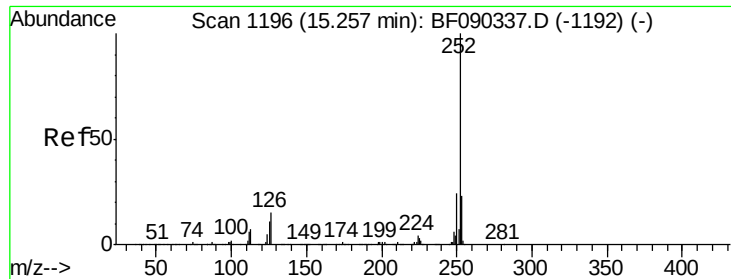
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.3	28.9
265	21.9	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 17.55 ng
RT: 15.26 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	16.2	7.0	10.4

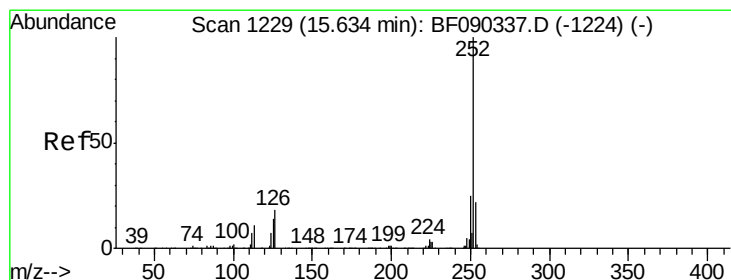
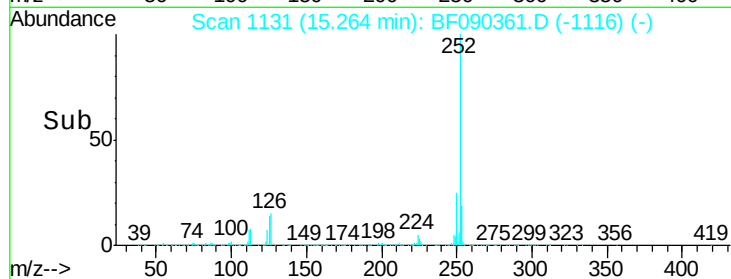
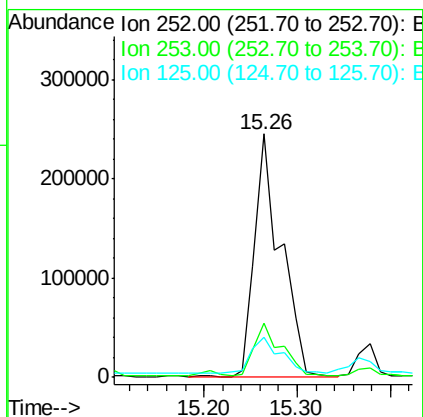
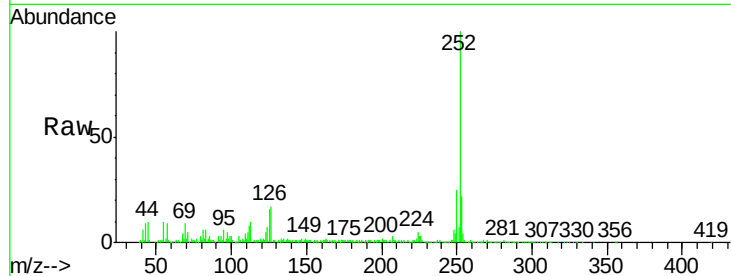




#88
Benzo(k)fluoranthene
Concen: 18.37 ng
RT: 15.26 min Scan# 1131
Delta R.T. -0.03 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

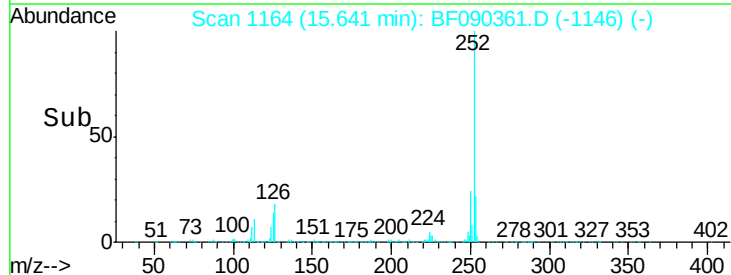
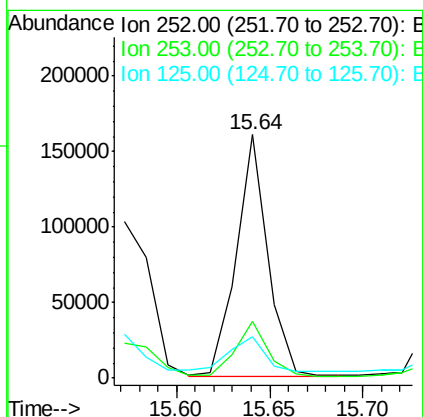
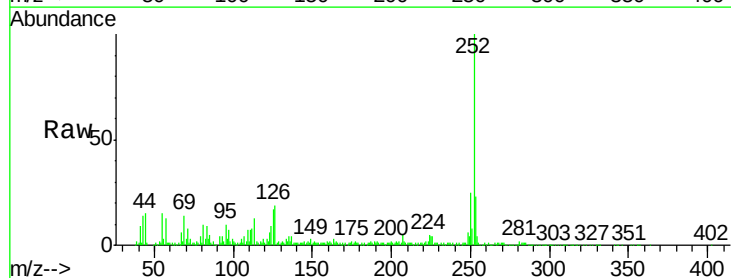
Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-09

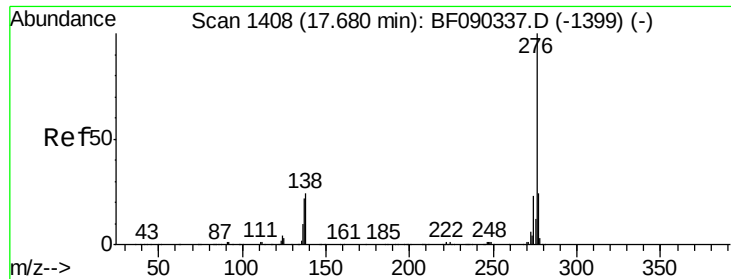
Tgt Ion:252 Resp: 472756
Ion Ratio Lower Upper
252 100
253 22.4 18.6 27.8
125 16.2 11.7 17.5



#89
Benzo(a)pyrene
Concen: 7.72 ng
RT: 15.64 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

Tgt Ion:252 Resp: 189709
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.4
125 16.8 9.8 14.8#





#91
 Benzo(g,h,i)perylene
 Concen: 3.06 ng
 RT: 17.69 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

Instrument :
 BNA_F
 ClientSampleId :
 TS-WSG-16121-09

Tgt Ion: 276 Resp: 72277
 Ion Ratio Lower Upper
 276 100
 277 24.4 19.4 29.0
 138 31.9 20.8 31.2#

