

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

Manual Integrations
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Quant Time: Oct 05 04:10:07 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
22) Acetophenone	7.41	105	388520	12.80	ng	# 95
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	336556m	12.49	ng	
88) Benzo(k)fluoranthene	15.29	252	138729m	5.39	ng	
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

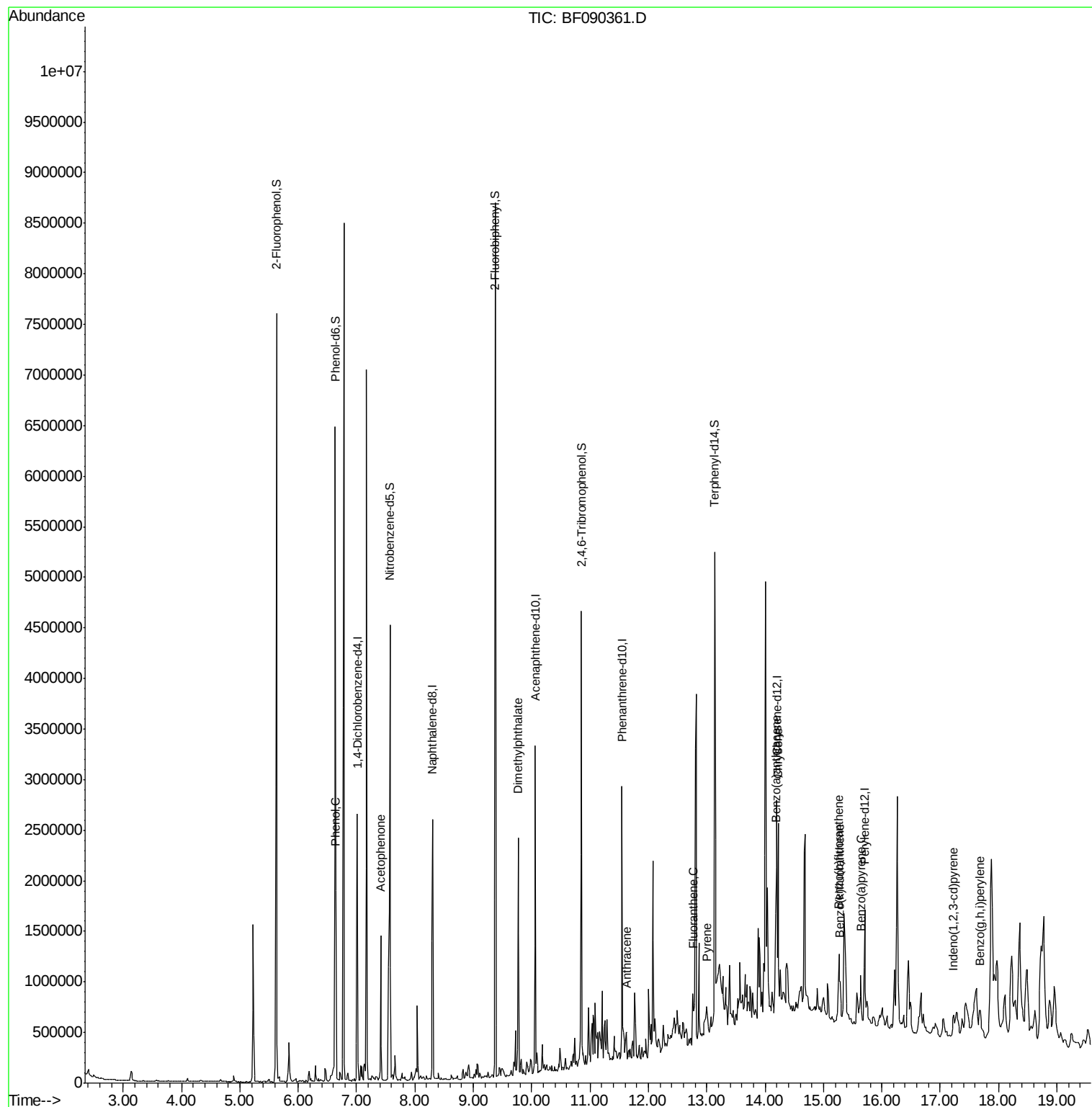
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090361.D
Acq On : 5 Oct 2016 00:07
Operator : UM/SJ
Sample : H4869-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

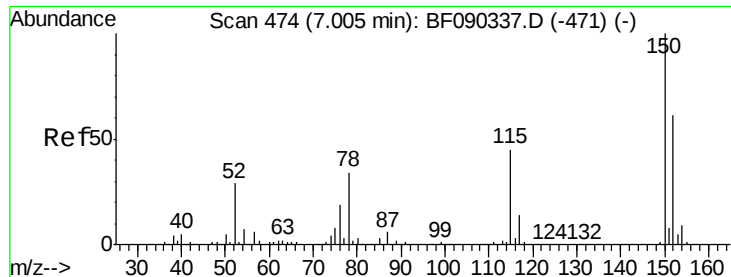
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
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#1

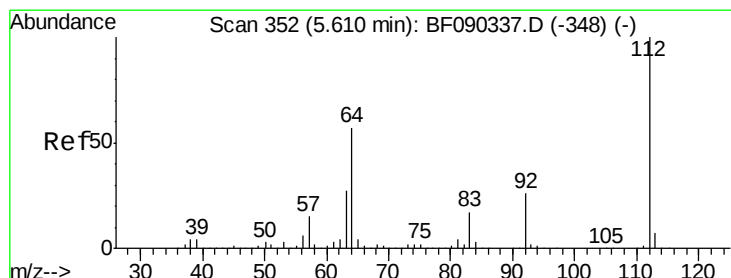
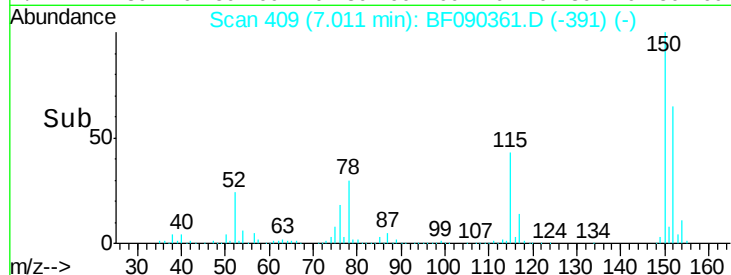
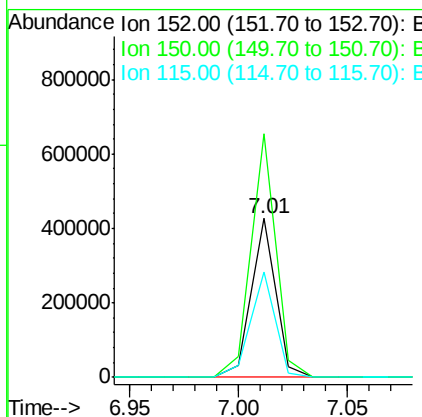
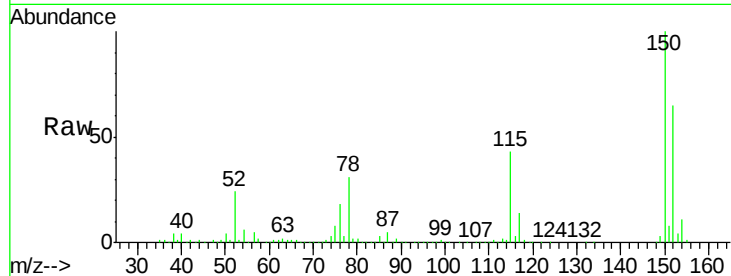
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.01 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

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

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

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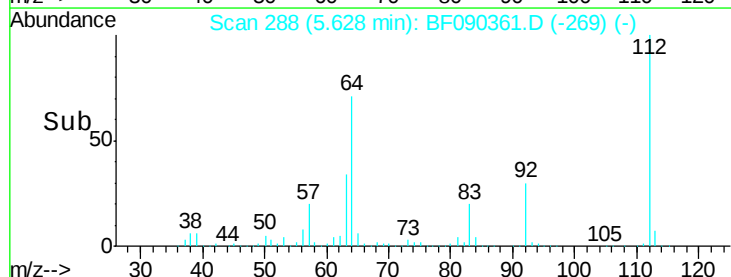
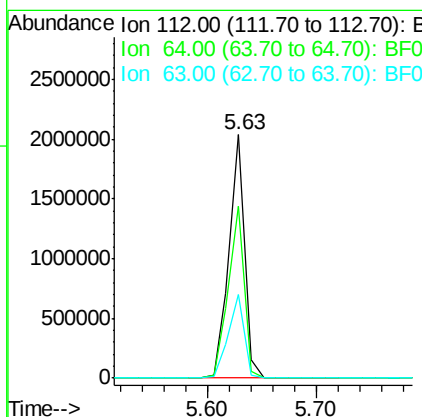
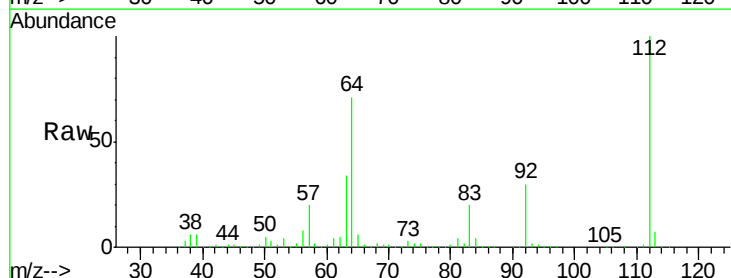
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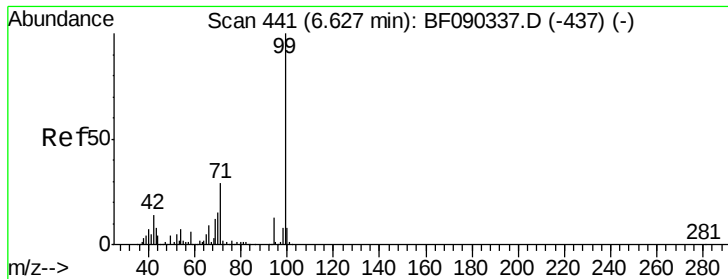


#5

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	Ratio	Lower	Upper
112	100		
64	70.5	57.9	86.9
63	34.1	29.6	44.4





#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

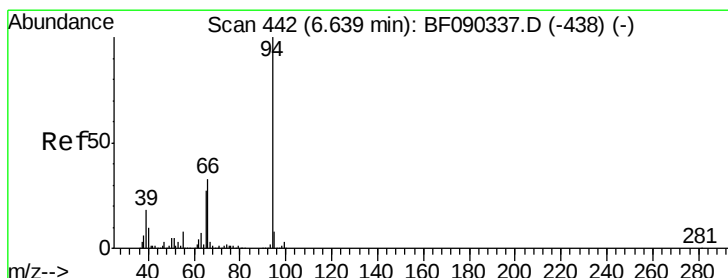
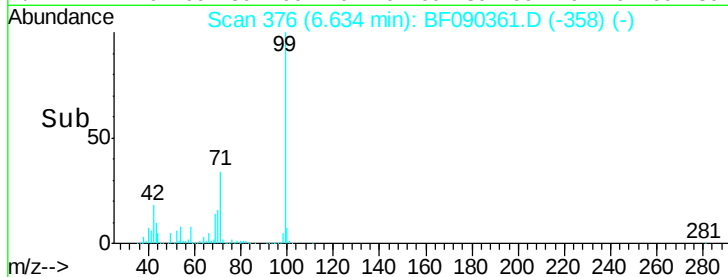
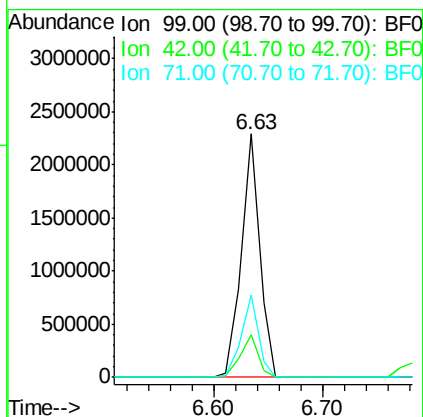
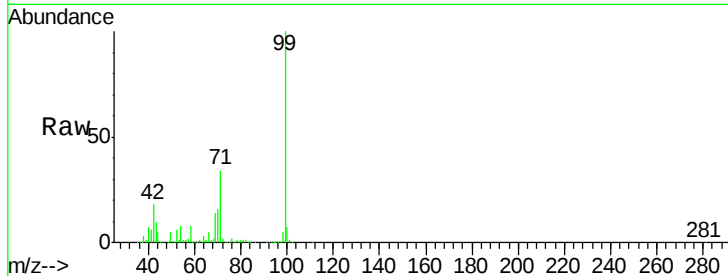
42 17.6 20.0 30.0#

71 33.9 27.9 41.9

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#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

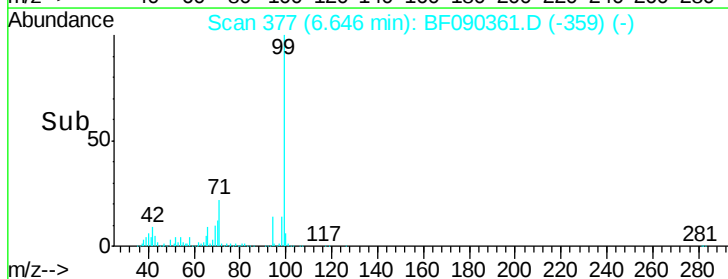
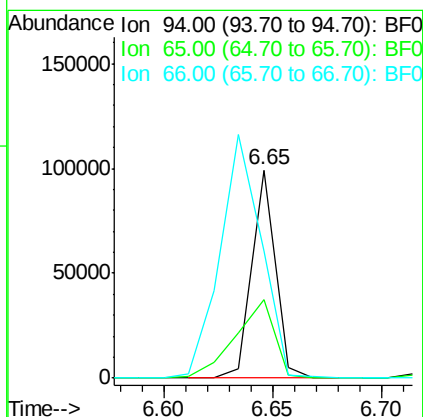
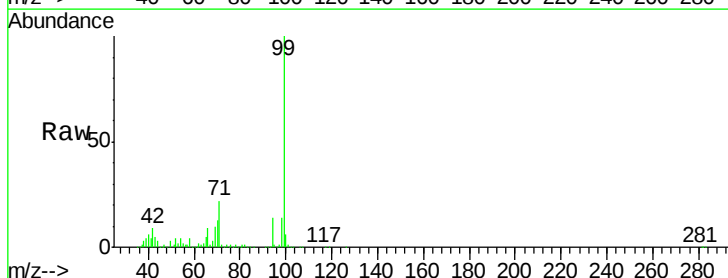
Tgt Ion: 94 Resp: 74844

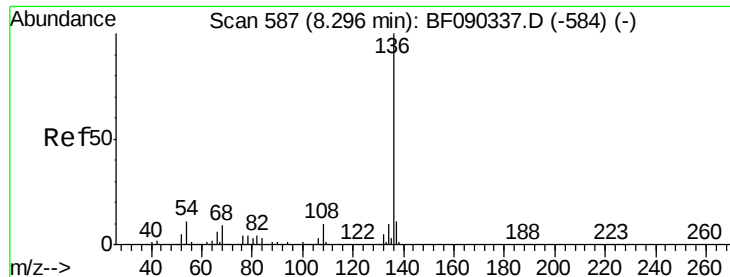
Ion Ratio Lower Upper

94 100

65 37.8 13.3 53.3

66 61.1 20.4 60.4#





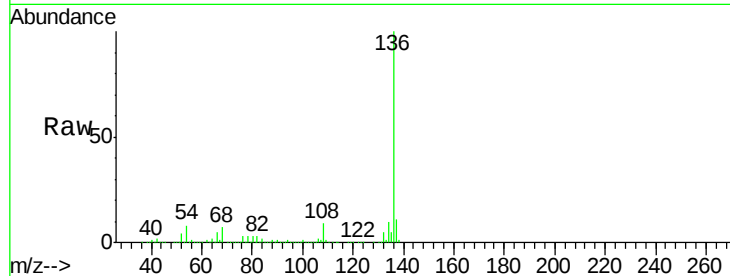
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.30 min Scan# 522
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

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

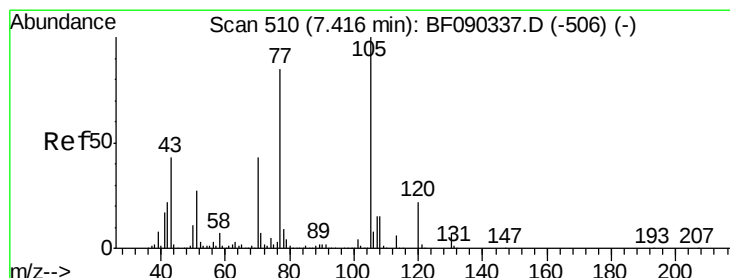
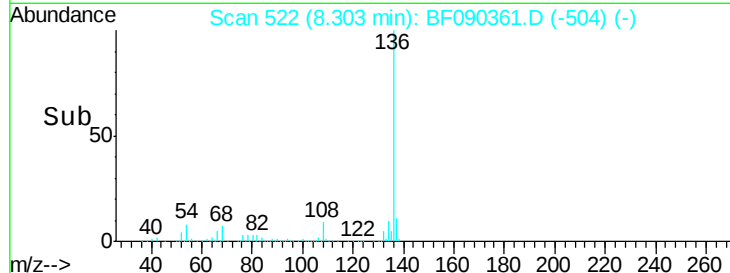
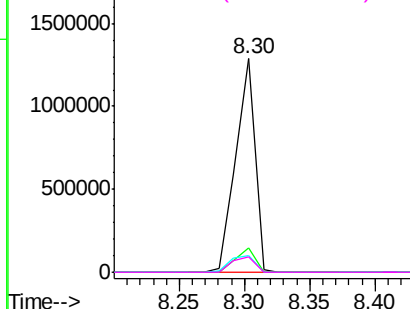
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	8.1	6.6	10.0
68	7.2	5.0	7.6

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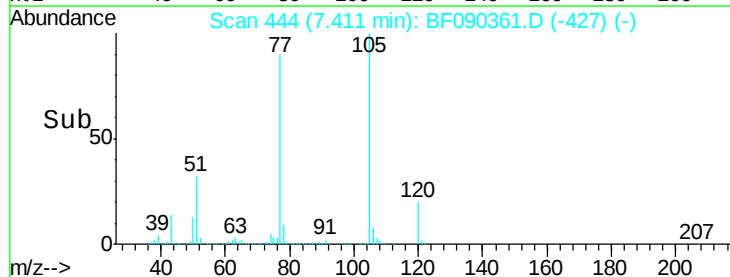
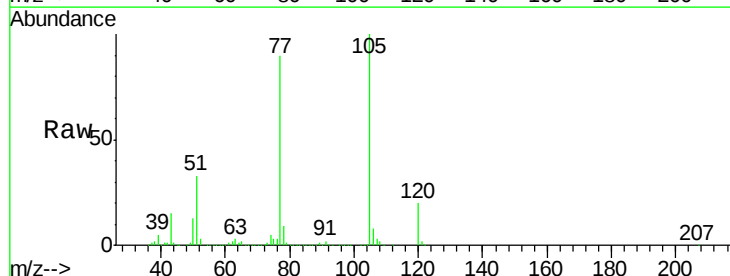
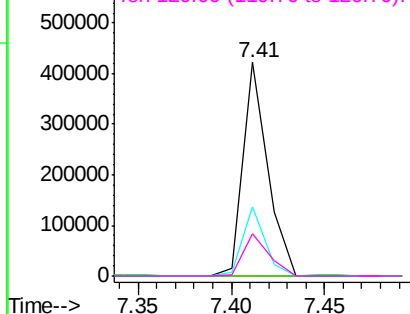
Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

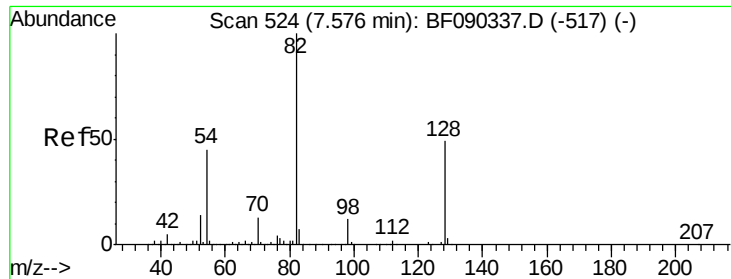


#22
Acetophenone
Concen: 12.80 ng
RT: 7.41 min Scan# 444
Delta R.T. -0.00 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

Tgt Ion	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





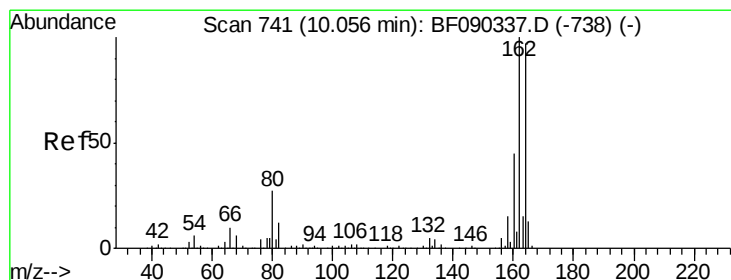
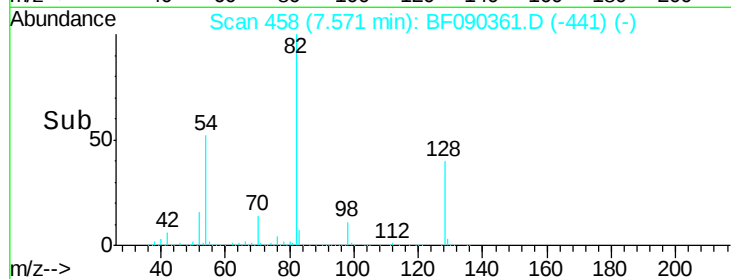
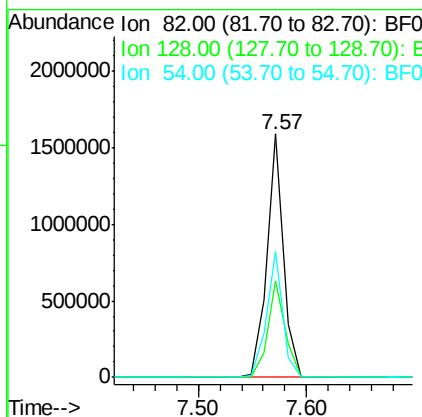
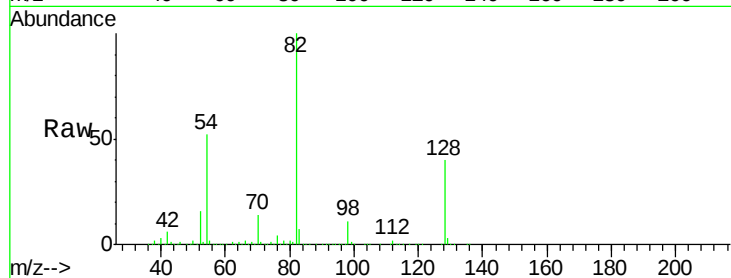
#23
 Nitrobenzene-d5
 Concen: 75.01 ng
 RT: 7.57 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

Instrument :
 BNA_F
 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

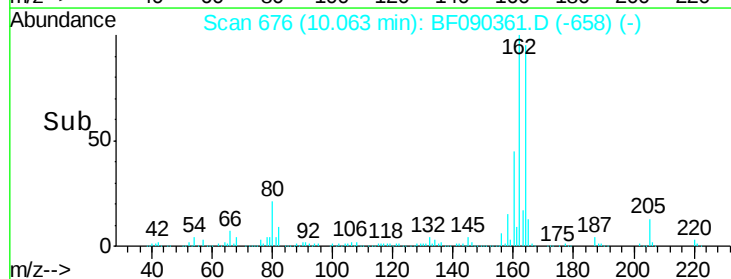
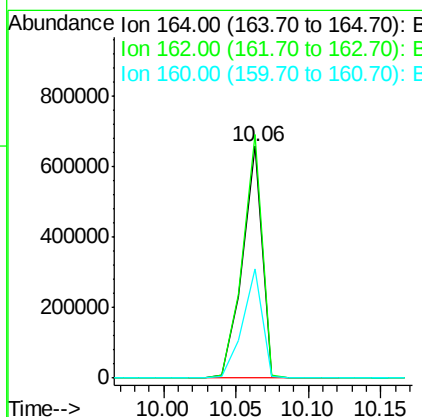
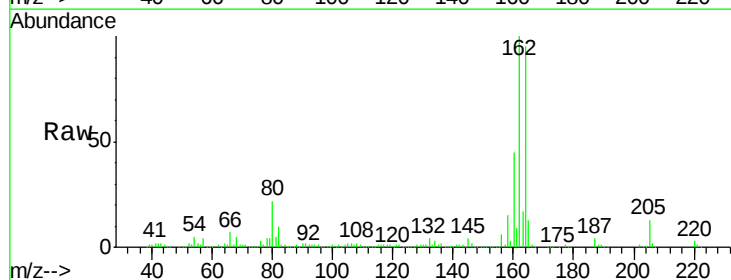
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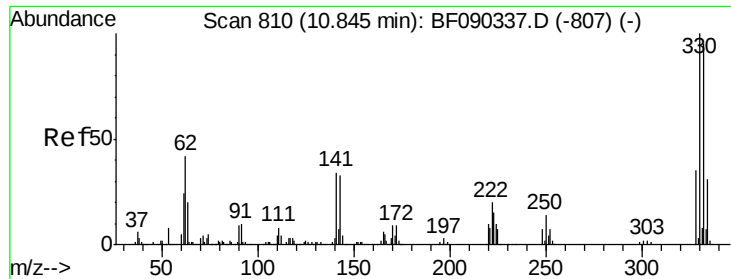
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.06 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

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





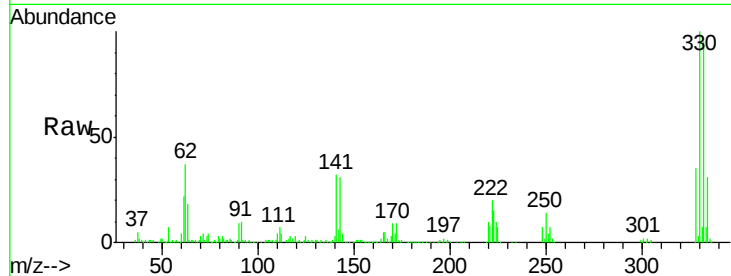
#41
 2,4,6-Tribromophenol
 Concen: 98.60 ng
 RT: 10.85 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

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

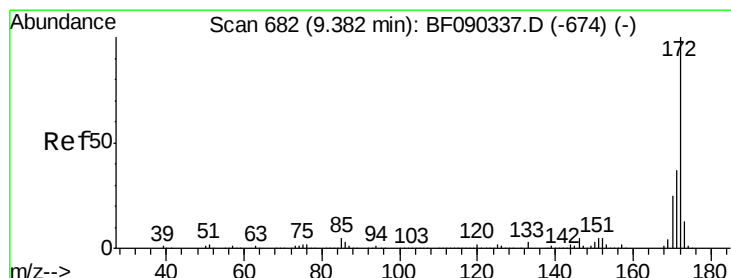
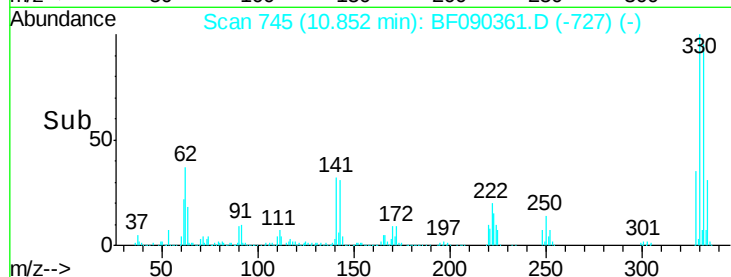
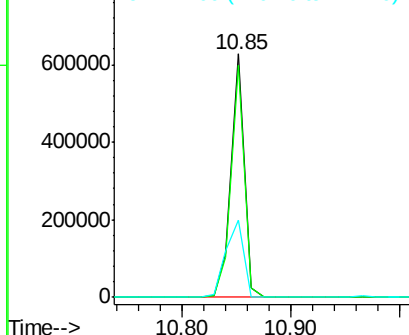
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	530186		
332	94.9	75.4	113.0	
141	42.6	26.9	40.3#	

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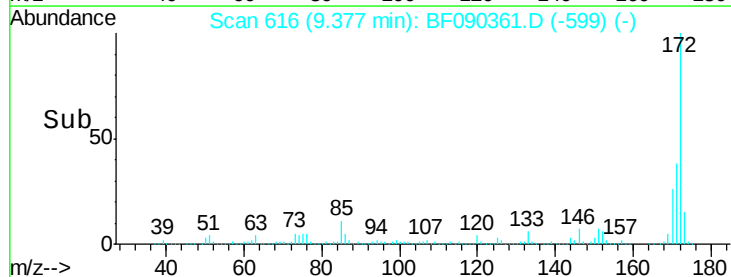
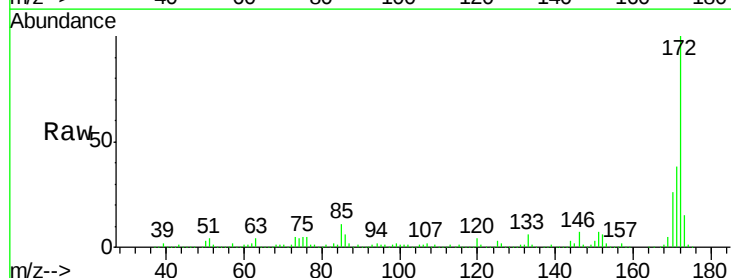
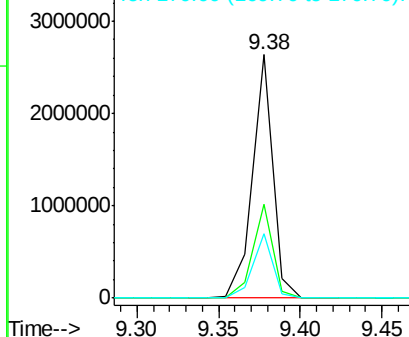
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

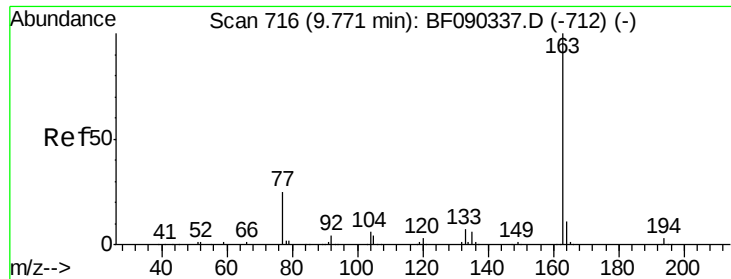


#44
 2-Fluorobiphenyl
 Concen: 60.49 ng
 RT: 9.38 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2296971		
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





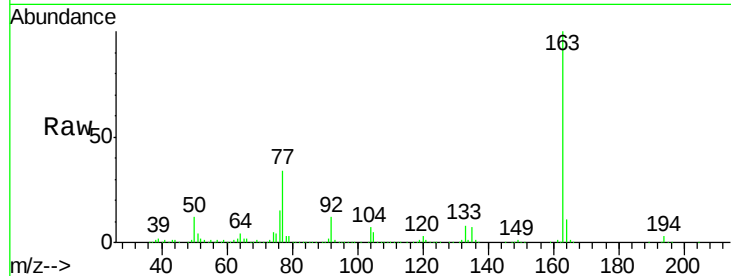
#49
Dimethylphthalate
Concen: 31.29 ng
RT: 9.77 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

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

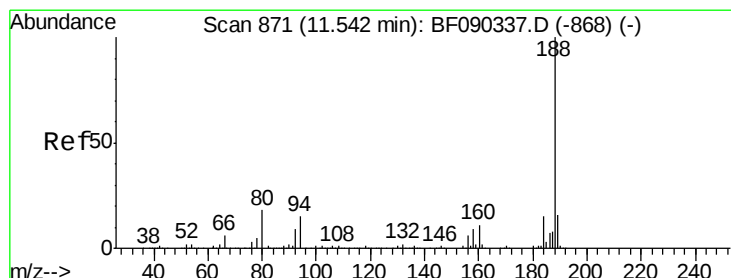
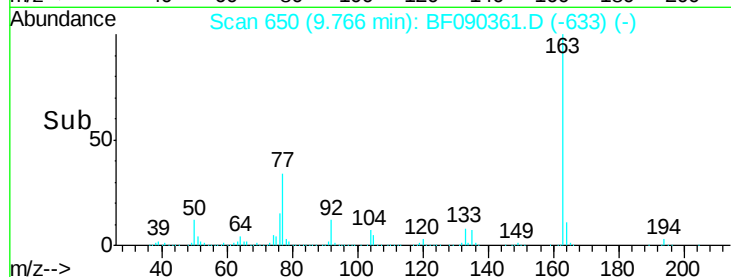
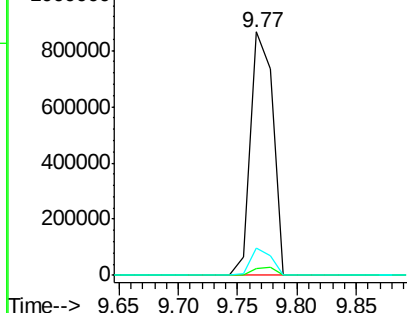
Tgt Ion:163 Resp: 1146802
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 11.0 9.0 13.4

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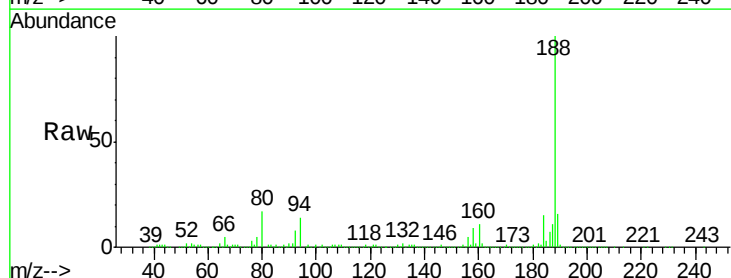


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

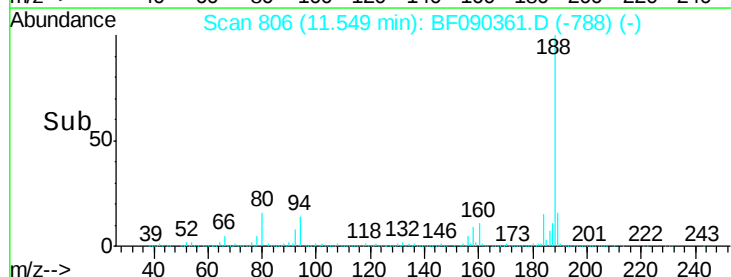
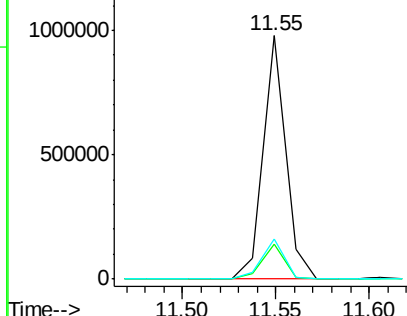


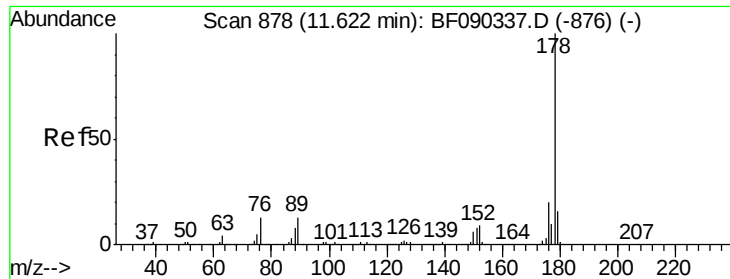
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.55 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

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





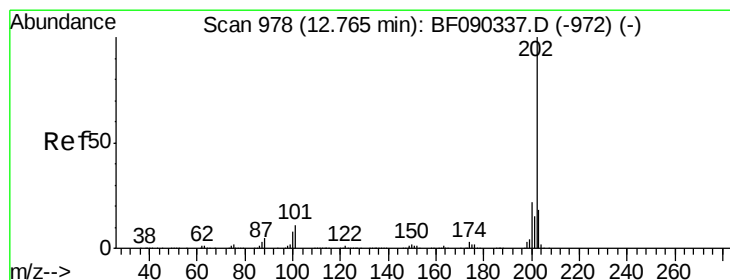
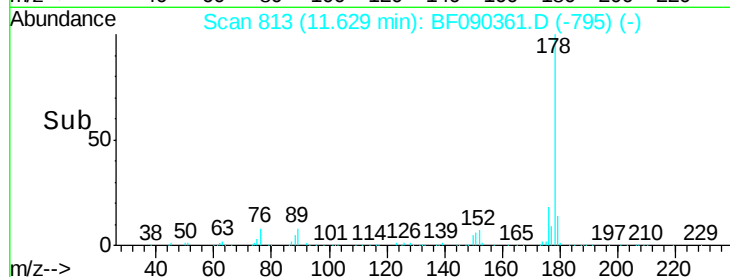
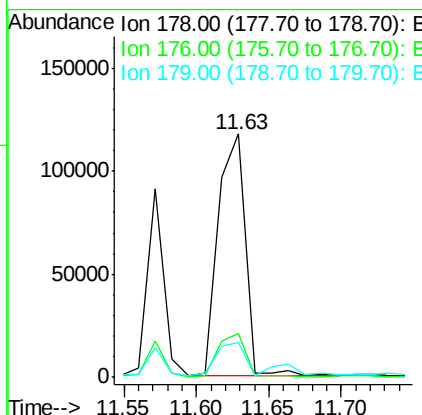
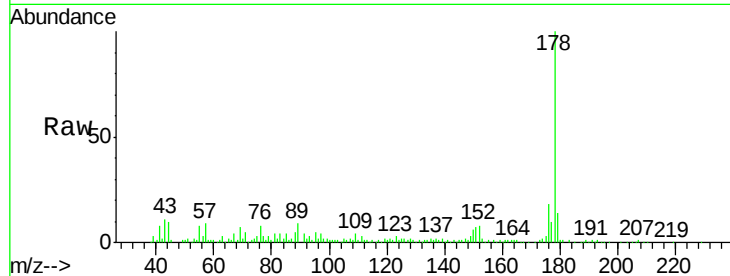
#71
 Anthracene
 Concen: 3.51 ng
 RT: 11.63 min Scan# 813
 Delta R.T. 0.01 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.8	25.2
179	14.5	13.4	20.2

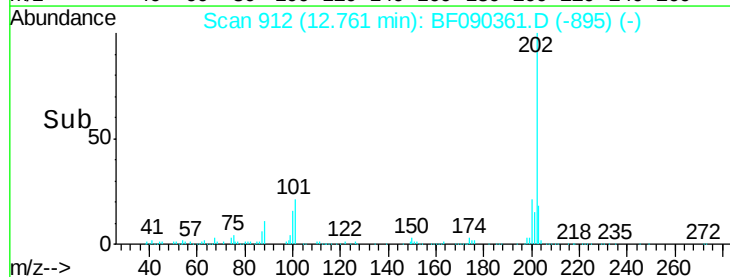
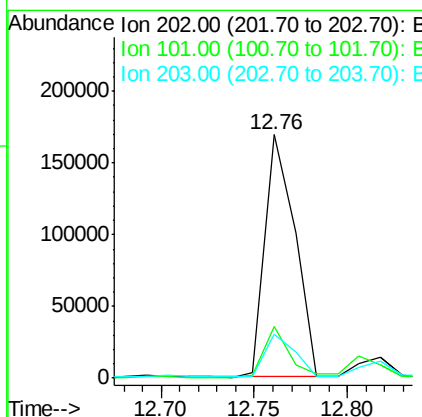
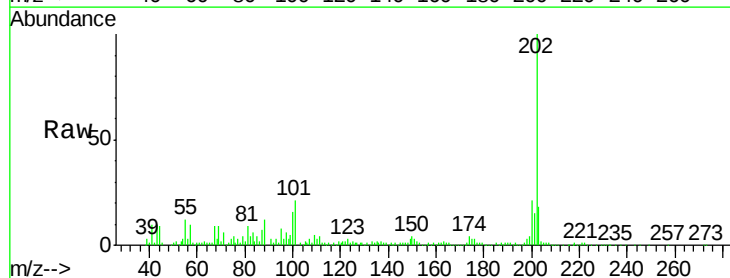
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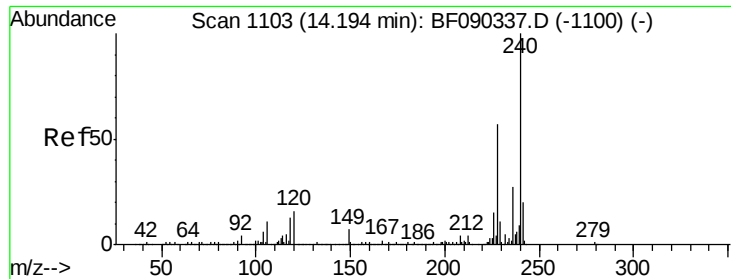
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#74
 Fluoranthene
 Concen: 4.54 ng
 RT: 12.76 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	21.3	0.0	37.2
203	18.2	0.0	39.3





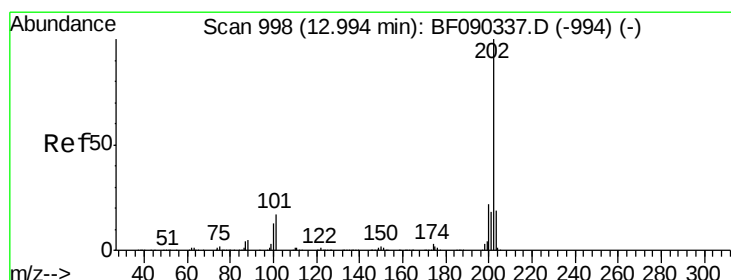
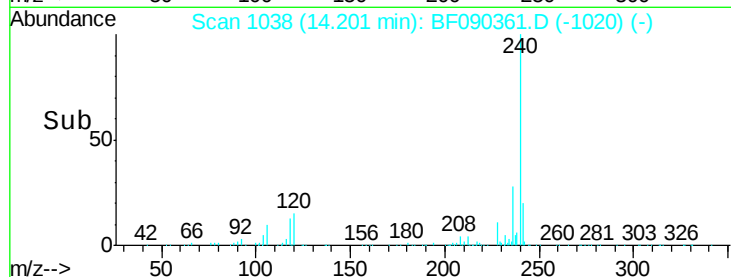
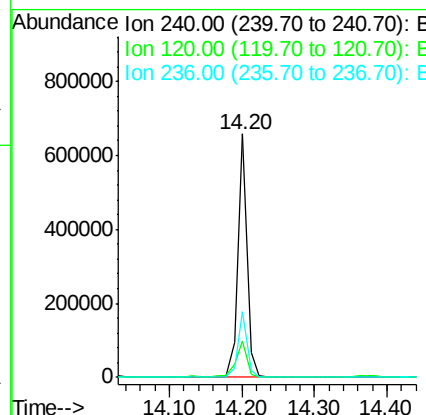
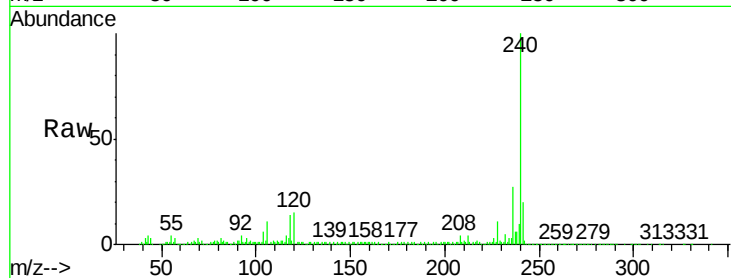
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.20 min Scan# 1038
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

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

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

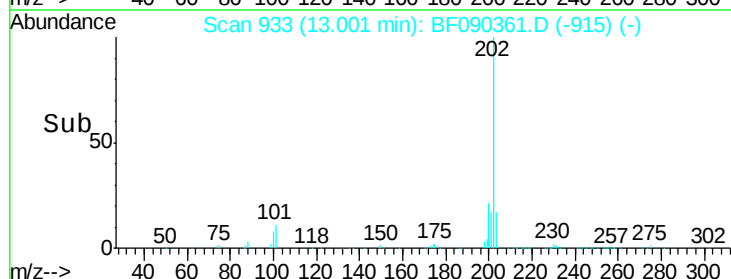
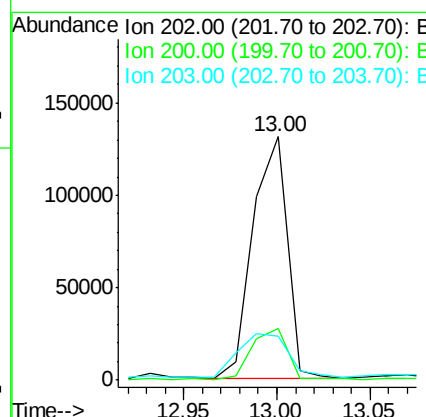
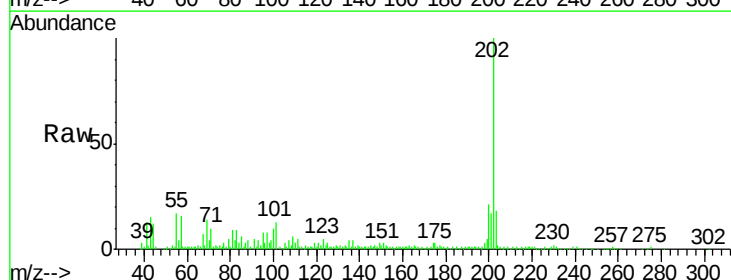
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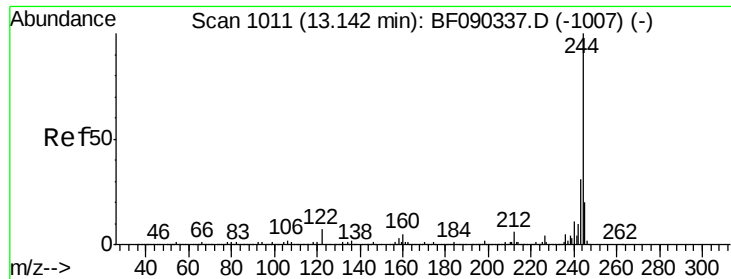
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#77
Pyrene
Concen: 4.58 ng
RT: 13.00 min Scan# 933
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

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





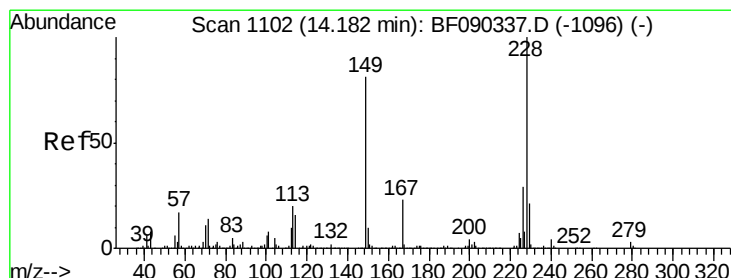
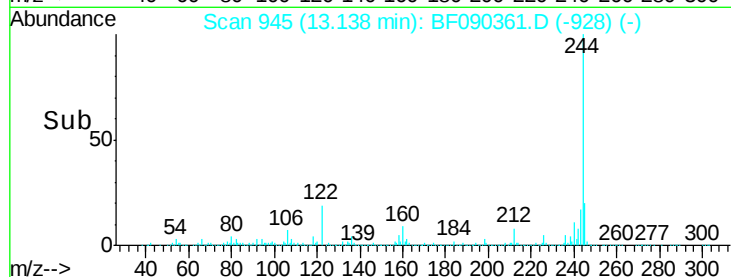
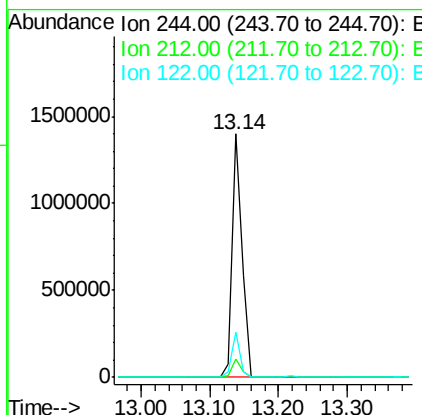
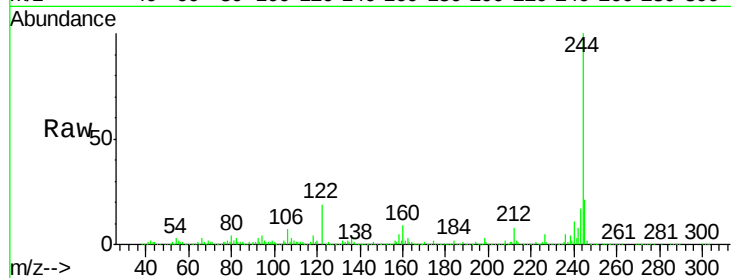
#78
 Terphenyl-d14
 Concen: 58.07 ng
 RT: 13.14 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

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

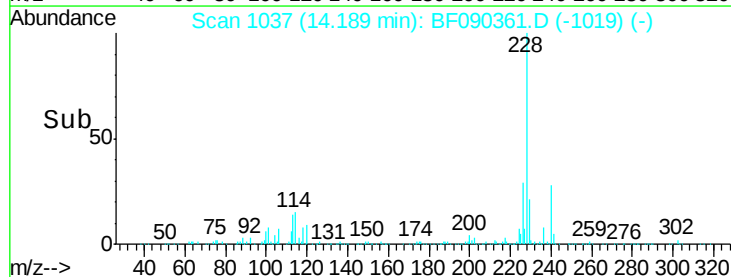
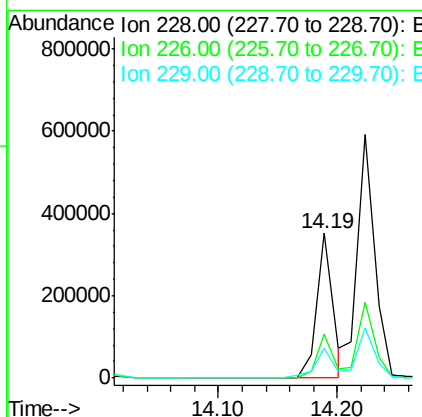
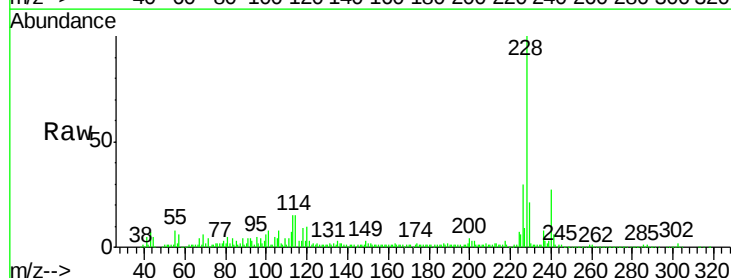
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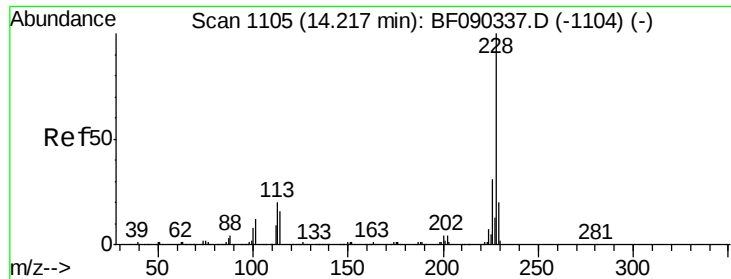
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#80
 Benzo(a)anthracene
 Concen: 10.35 ng
 RT: 14.19 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: BF090361.D
 Acq: 5 Oct 2016 00:07

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





#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

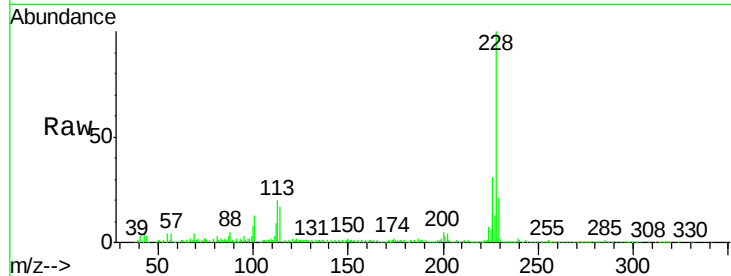
ClientSampleId :

TS-WSG-16121-09

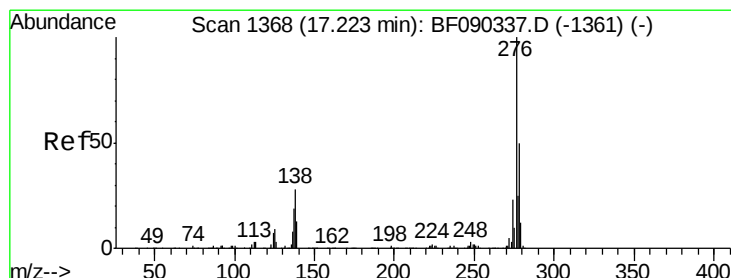
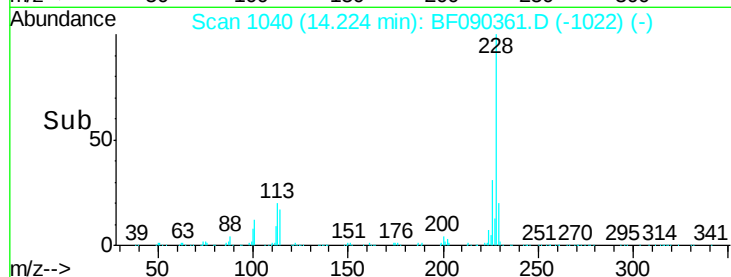
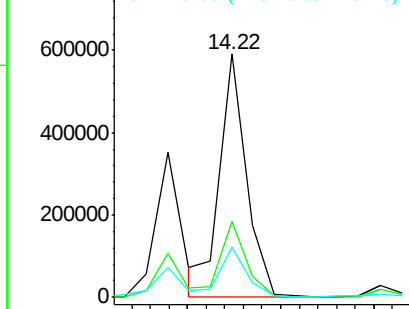
Tgt Ion:	228	Resp:	589803
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.8	38.6
229	20.9	16.9	25.3

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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

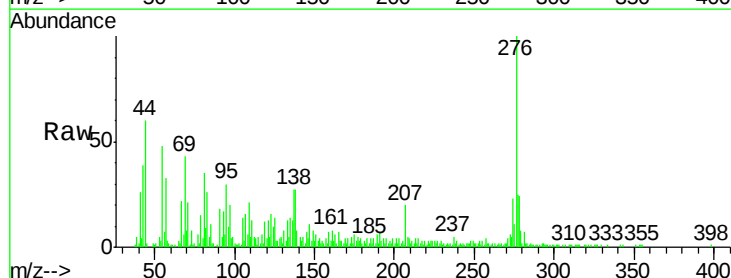
RT: 17.23 min Scan# 1303

Delta R.T. 0.01 min

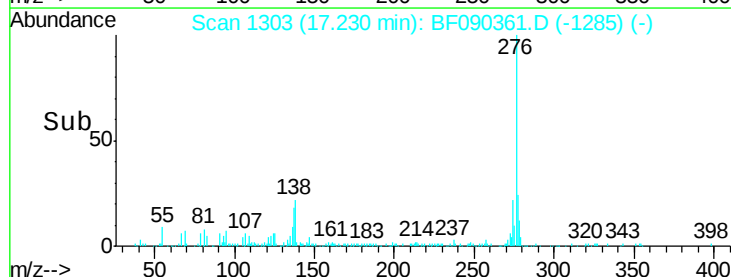
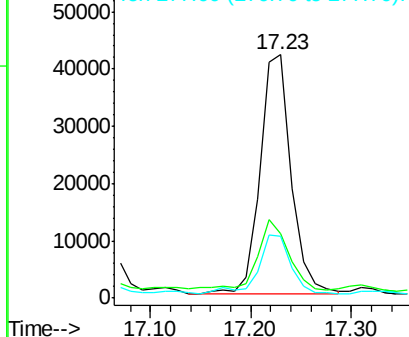
Lab File: BF090361.D

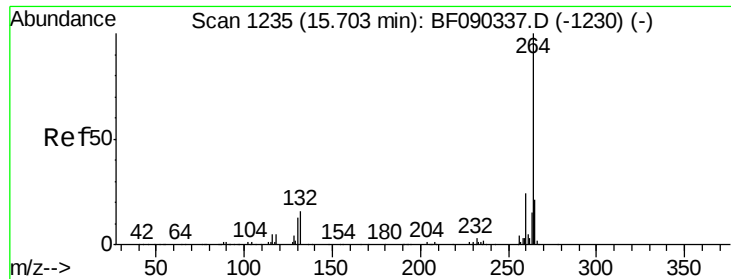
Acq: 5 Oct 2016 00:07

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





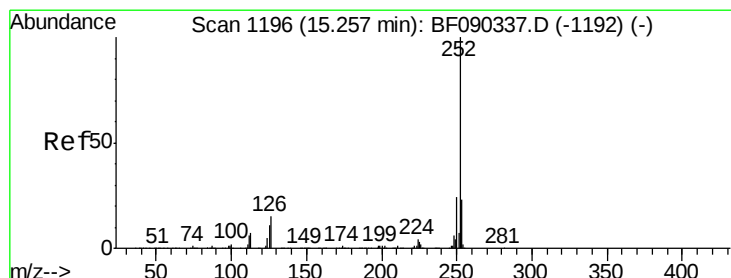
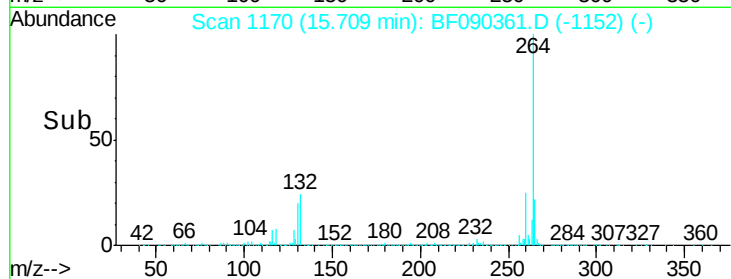
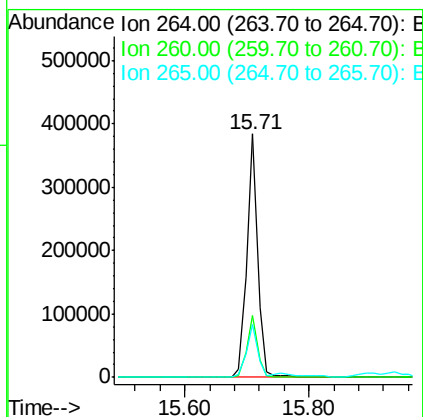
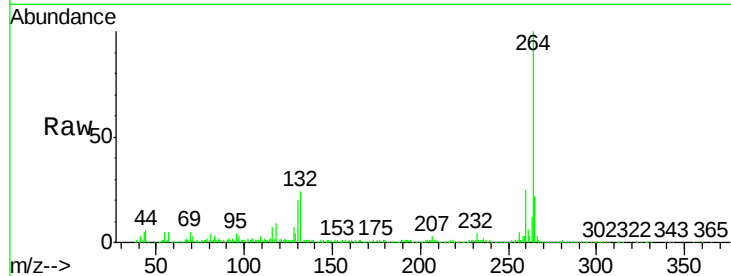
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.71 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

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

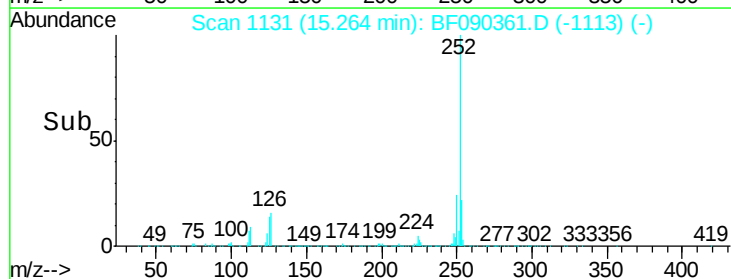
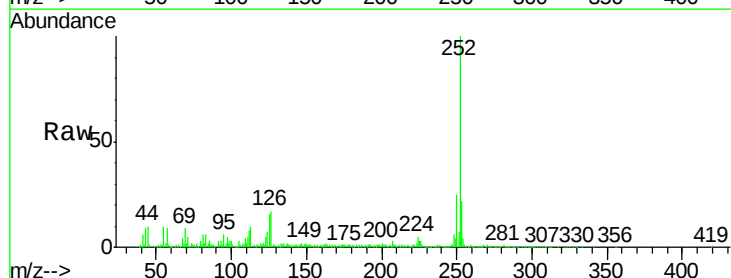
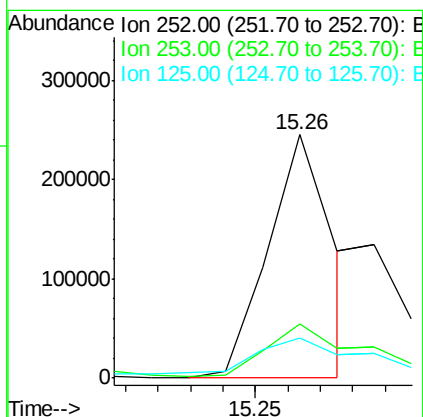
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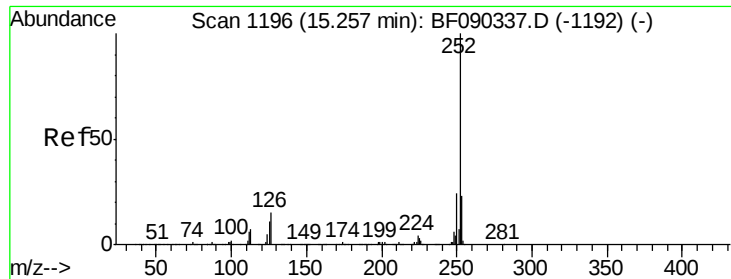
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#87
Benzo(b)fluoranthene
Concen: 12.49 ng m
RT: 15.26 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

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





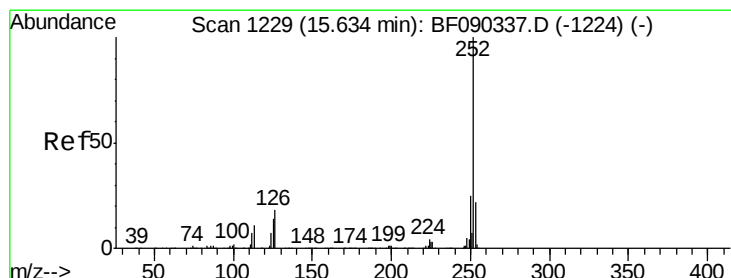
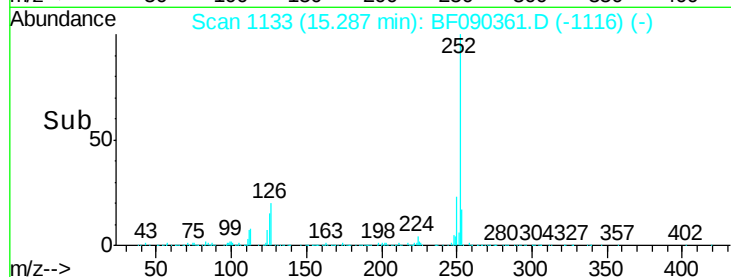
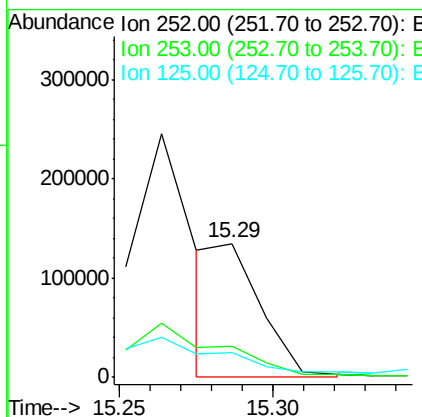
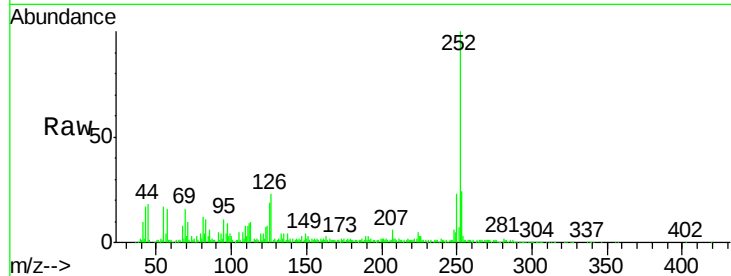
#88
Benzo(k)fluoranthene
Concen: 5.39 ng m
RT: 15.29 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.6	27.8
125	18.6	11.7	17.5#

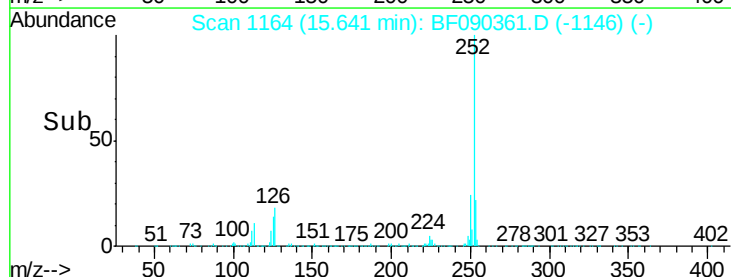
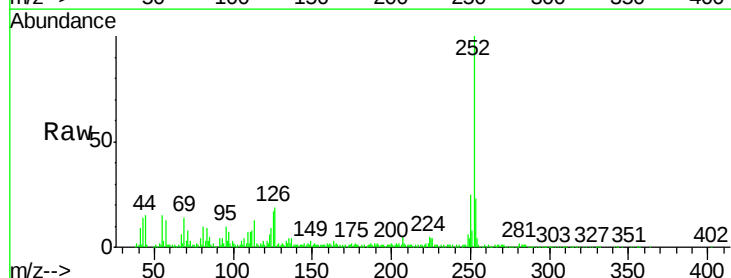
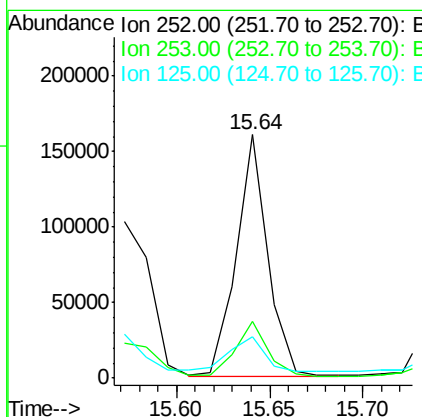
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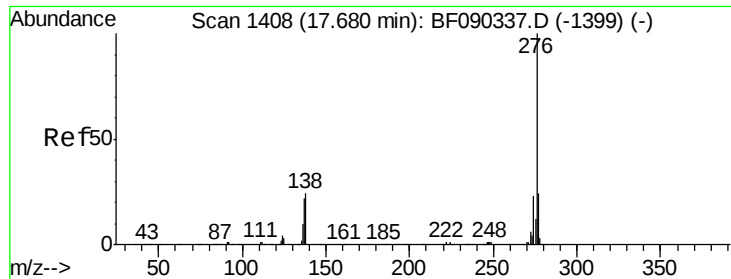
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#89
Benzo(a)pyrene
Concen: 7.72 ng
RT: 15.64 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF090361.D
Acq: 5 Oct 2016 00:07

Tgt Ion	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	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	31.9	20.8	31.2

Manual Integrations
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