

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
 Data File : BF096436.D
 Acq On : 3 Jul 2017 12:56
 Operator : SJ/MA
 Sample : I3908-04 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-57-1.5-3

Manual Integrations
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 7/5/2017 11:41:05 AM

Quant Time: Jul 03 16:40:01 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	141817	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	584371	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	234444	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	372702	20.00	ng	-0.02
75) Chrysene-d12	13.86	240	249629	20.00	ng	-0.02
86) Perylene-d12	15.28	264	254084	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	330233	34.37	ng	-0.02
7) Phenol-d6	6.35	99	406194	34.39	ng	-0.02
23) Nitrobenzene-d5	7.28	82	207917	21.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	68223	37.25	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	414607	30.24	ng	-0.02
78) Terphenyl-d14	12.82	244	232789	19.93	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.03	128	110572	4.008	ng	99
37) 2-Methylnaphthalene	8.72	142	88056	5.014	ng	98
49) Dimethylphthalate	9.47	163	94215	5.383	ng	99
70) Phenanthrene	11.26	178	120078	5.960	ng	98
74) Fluoranthene	12.44	202	138104	6.991	ng	99
77) Pyrene	12.67	202	123344	6.156	ng	98
80) Benzo(a)anthracene	13.86	228	72430m	5.010	ng	
82) Chrysene	13.89	228	83815	5.537	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	35132	2.940	ng	95
87) Benzo(b)fluoranthene	14.87	252	128283m	8.058	ng	
88) Benzo(k)fluoranthene	14.90	252	35887m	2.520	ng	
89) Benzo(a)pyrene	15.22	252	58360	4.106	ng	# 94
91) Benzo(g,h,i)perylene	17.04	276	33378	2.881	ng	100

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

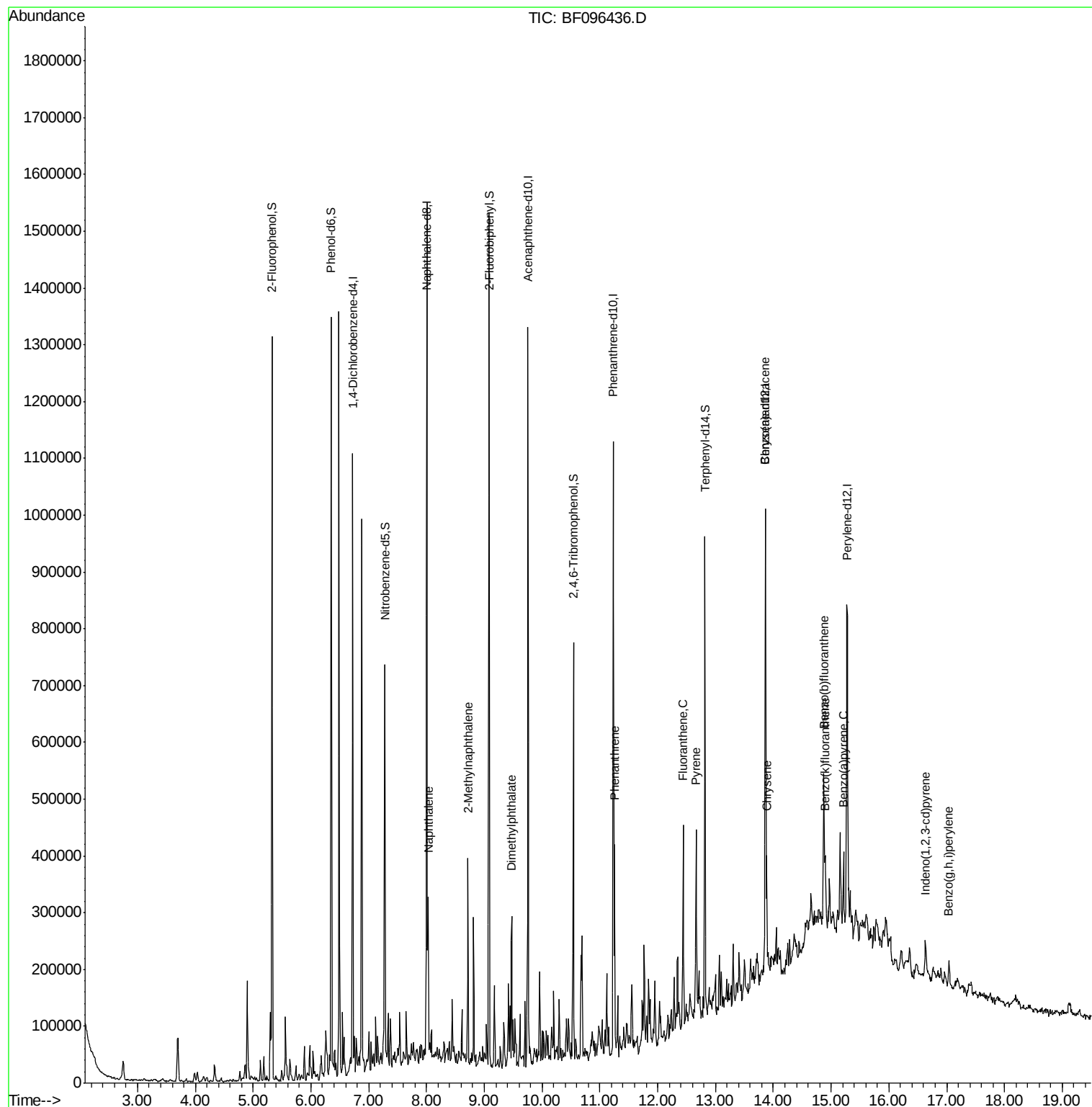
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
Data File : BF096436.D
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Operator : SJ/MA
Sample : I3908-04 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

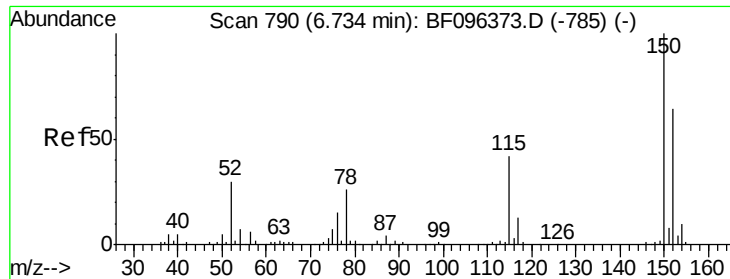
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ClientSampleId :
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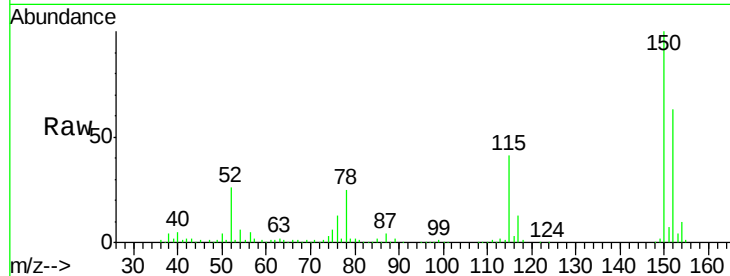
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF096436.D
 Acq: 3 Jul 2017 12:56

Instrument :
 BNA_F
 ClientSampleId :
 G-57-1.5-3

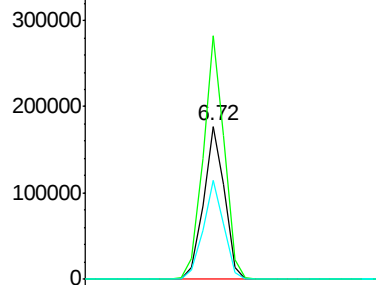
Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.3	126.2	189.2
115	64.6	52.2	78.2

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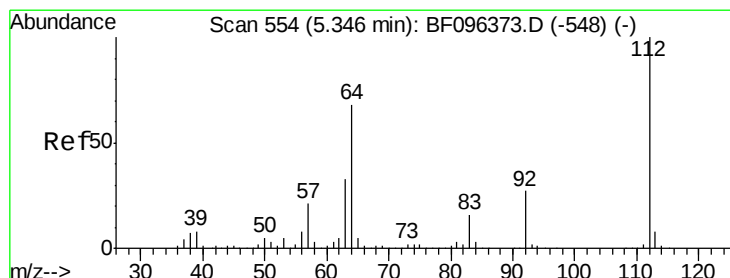
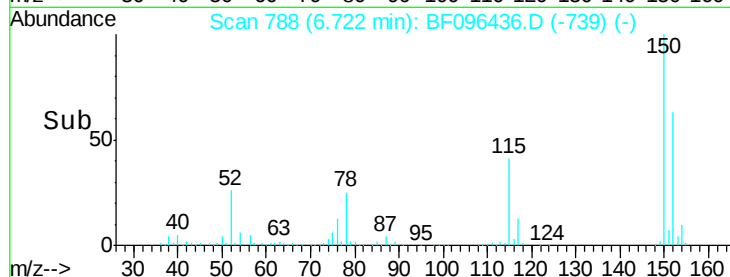
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Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

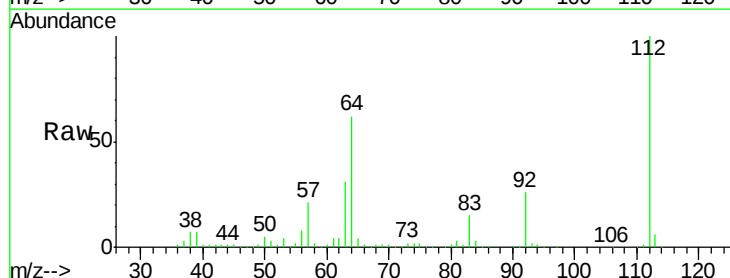


Time-->

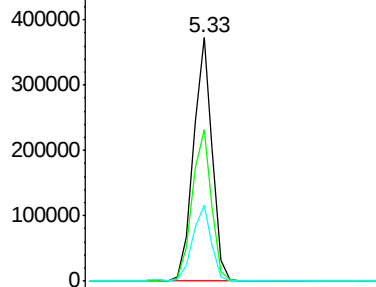


#5
 2-Fluorophenol
 Concen: 34.369 ng
 RT: 5.33 min Scan# 551
 Delta R.T. -0.02 min
 Lab File: BF096436.D
 Acq: 3 Jul 2017 12:56

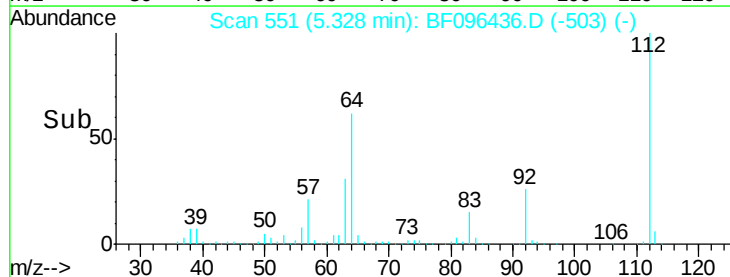
Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	46.0	69.0
63	31.1	23.4	35.0

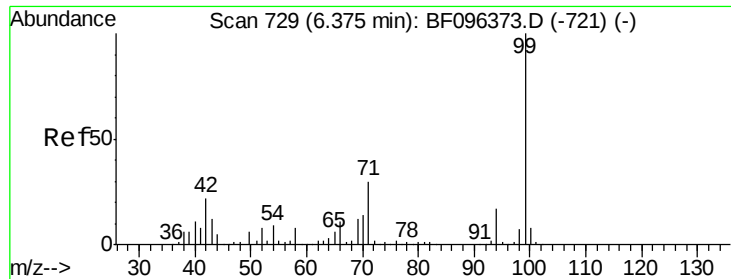


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 34.388 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096436.D

Acq: 3 Jul 2017 12:56

Instrument :

BNA_F

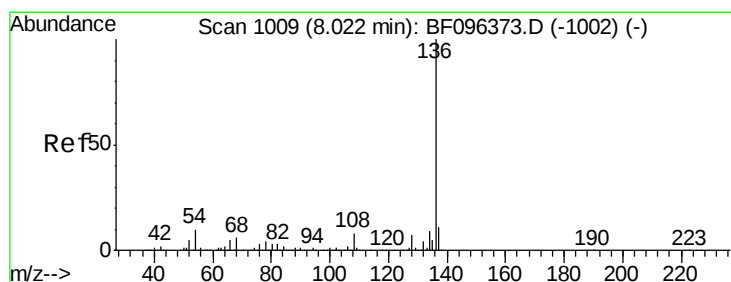
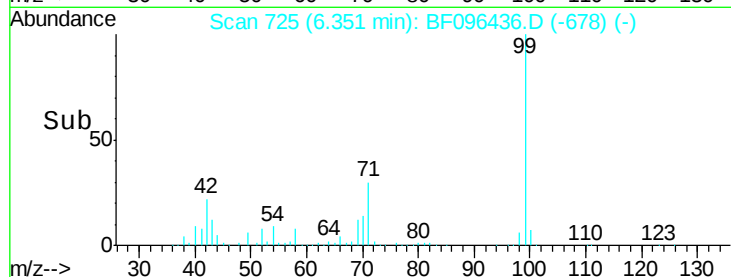
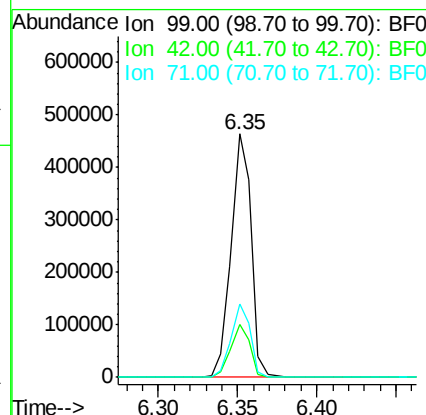
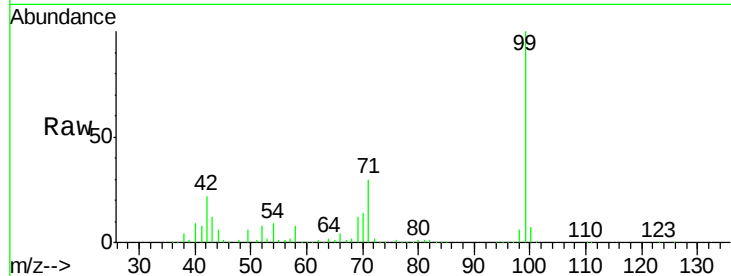
ClientSampleId :

G-57-1.5-3

Tgt Ion:	99	Resp:	406194
Ion Ratio	Lower	Upper	
99	100		
42	21.9	13.5	20.3#
71	29.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

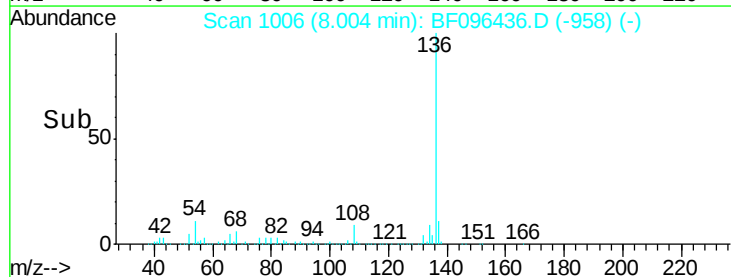
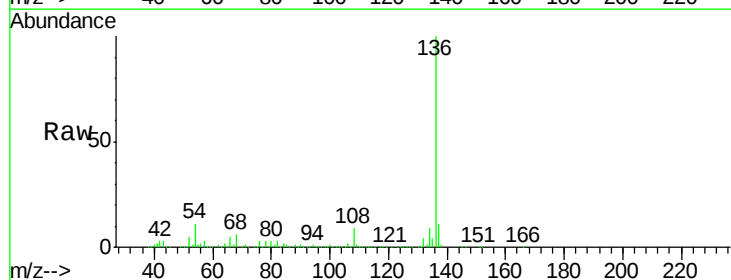
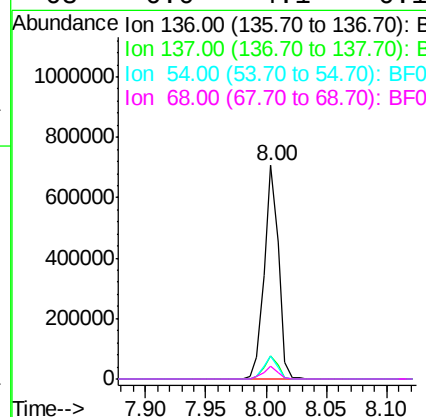
RT: 8.00 min Scan# 1006

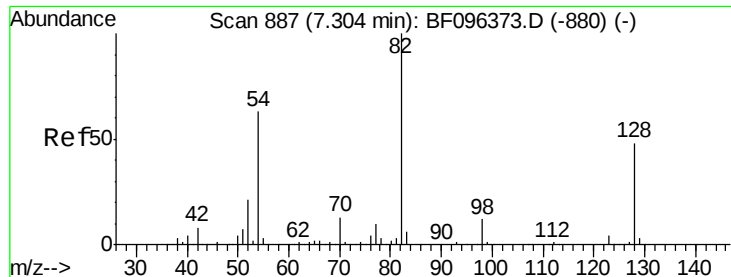
Delta R.T. -0.02 min

Lab File: BF096436.D

Acq: 3 Jul 2017 12:56

Tgt Ion:	136	Resp:	584371
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	10.8	4.9	7.3#
68	6.0	4.1	6.1





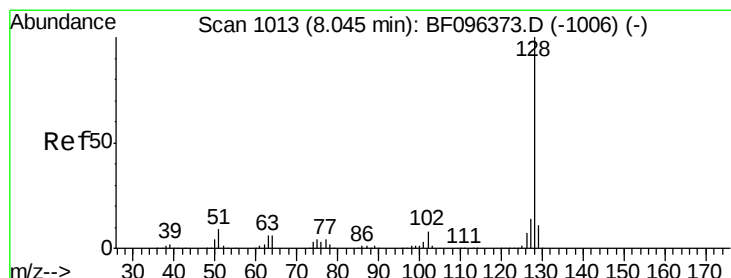
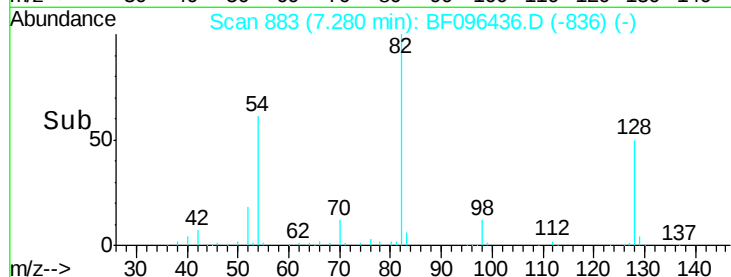
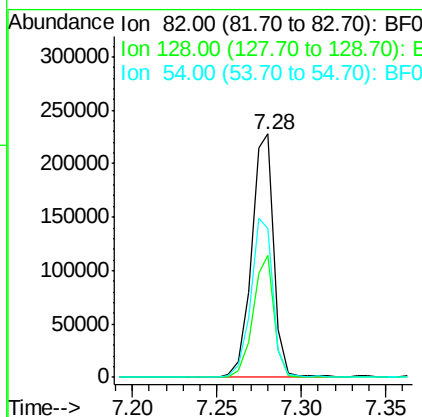
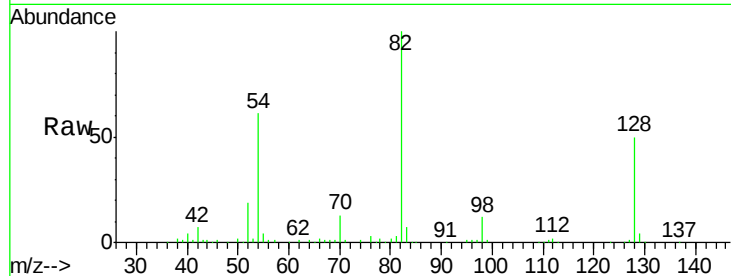
#23
Nitrobenzene-d5
Concen: 21.380 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.9	34.0	51.0
54	61.3	42.2	63.2

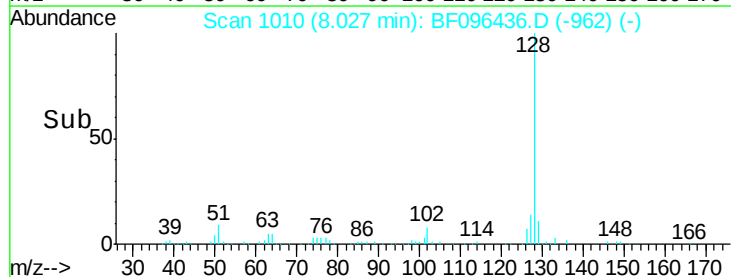
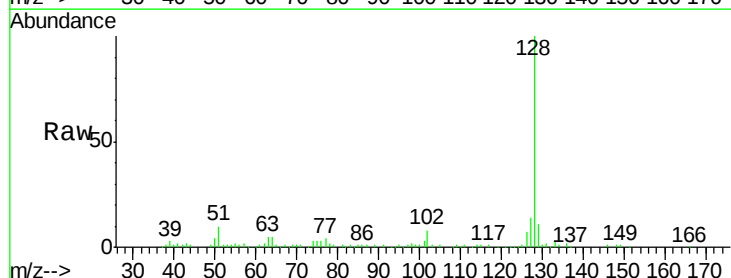
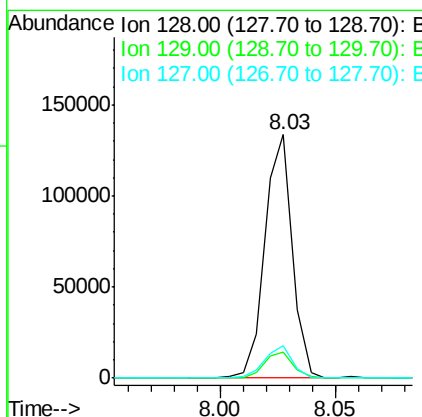
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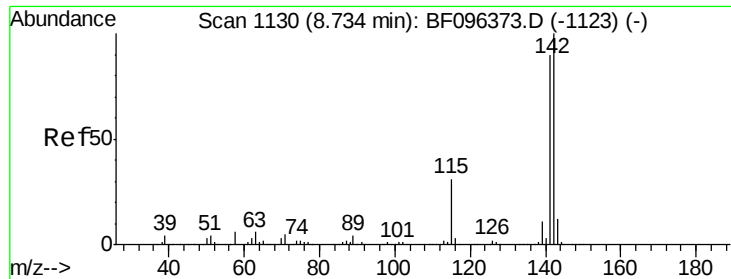
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#31
Naphthalene
Concen: 4.008 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.6	10.8	16.2





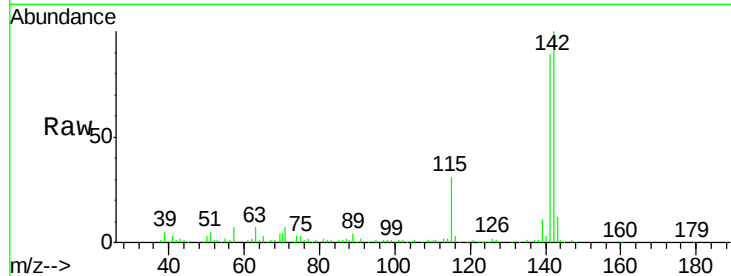
#37
2-Methylnaphthalene
Concen: 5.014 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Instrument :
BNA_F
ClientSampled :
G-57-1.5-3

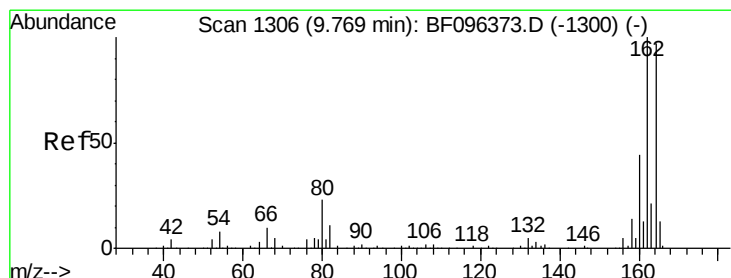
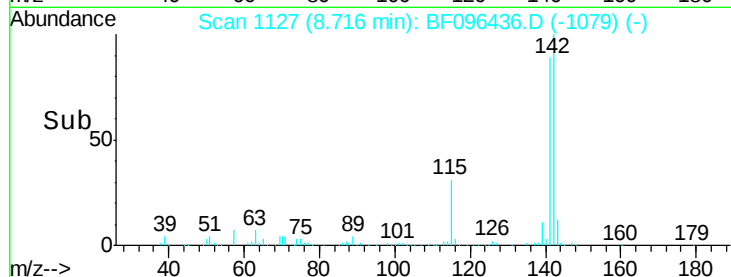
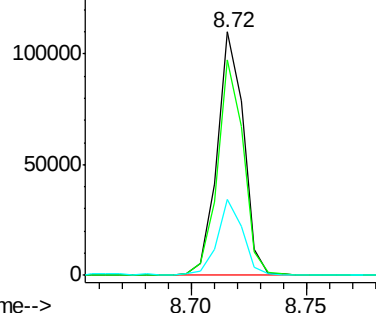
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	88056		
141	88.7	71.3	106.9	
115	31.1	27.1	40.7	

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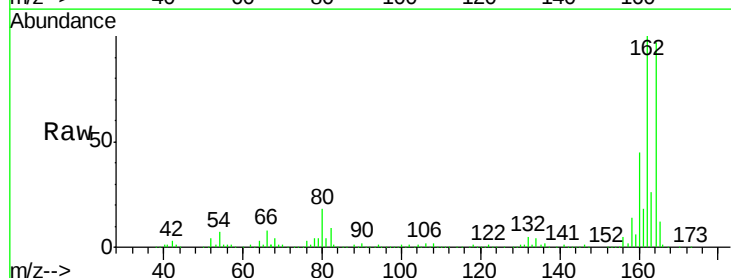


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

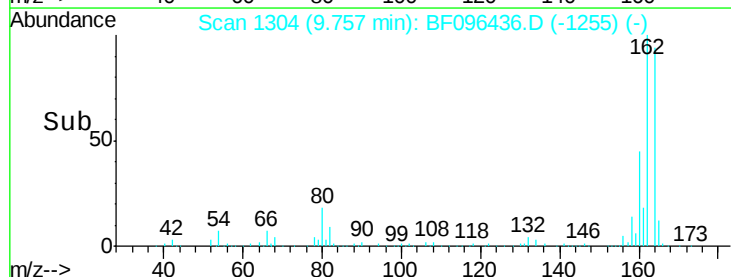
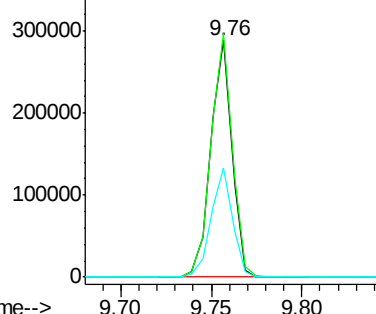


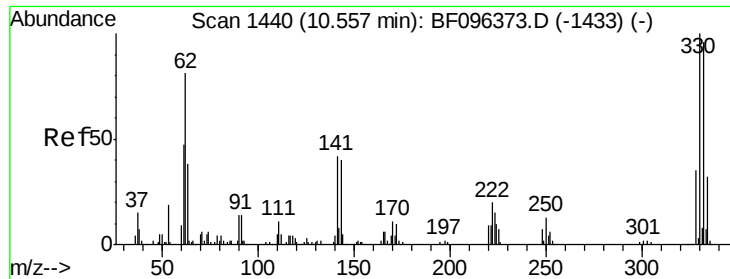
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	234444		
162	102.8	82.6	123.8	
160	46.0	36.2	54.2	



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





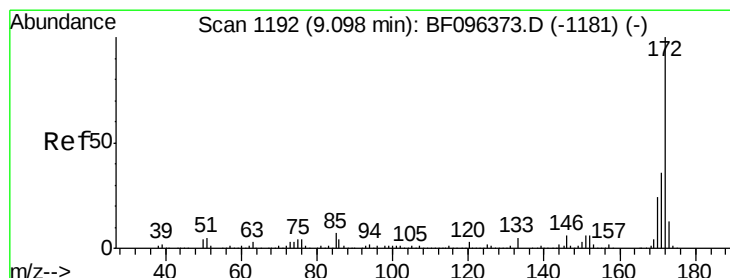
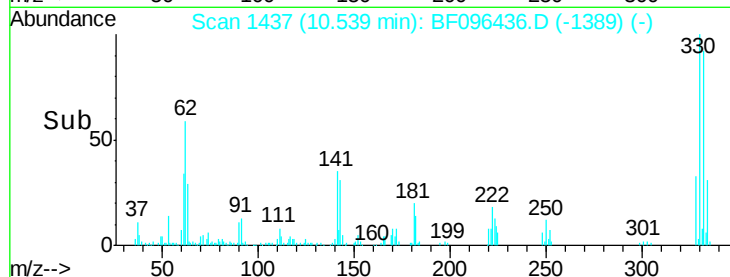
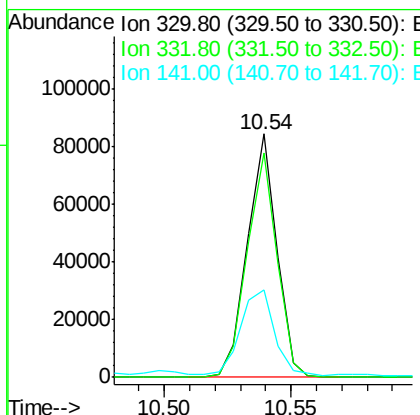
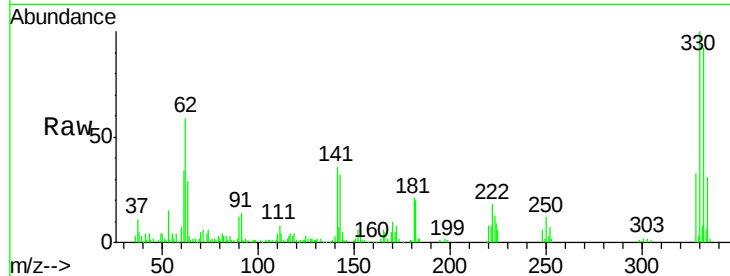
#41
 2,4,6-Tribromophenol
 Concen: 37.254 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096436.D
 Acq: 3 Jul 2017 12:56

Instrument :
 BNA_F
 ClientSampleId :
 G-57-1.5-3

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.6	115.0
141	39.8	31.4	47.2

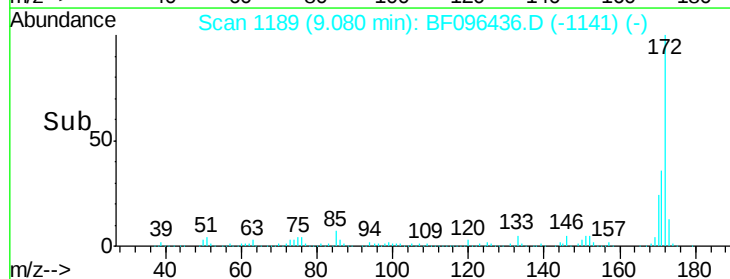
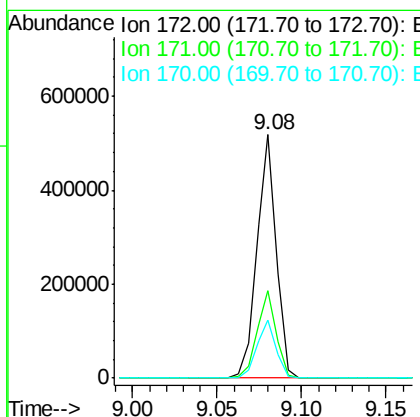
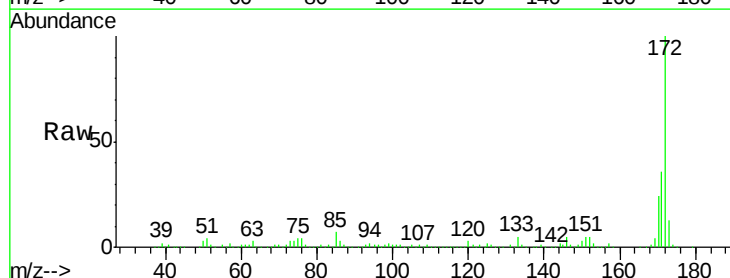
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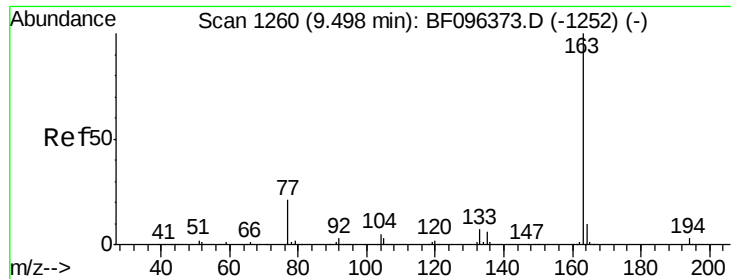
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#44
 2-Fluorobiphenyl
 Concen: 30.237 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096436.D
 Acq: 3 Jul 2017 12:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.7	19.8	29.8





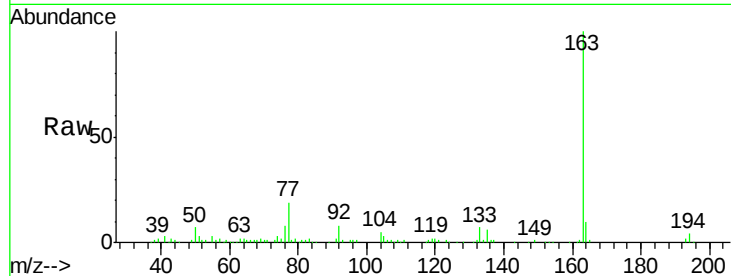
#49
Dimethylphthalate
Concen: 5.383 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

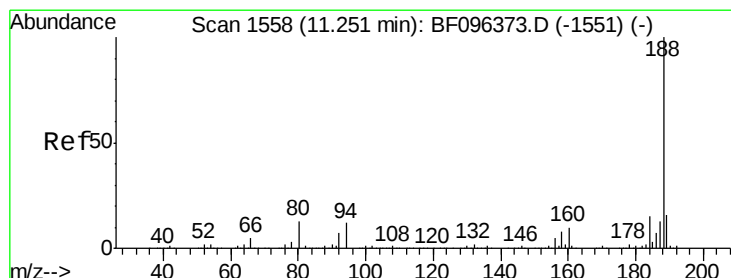
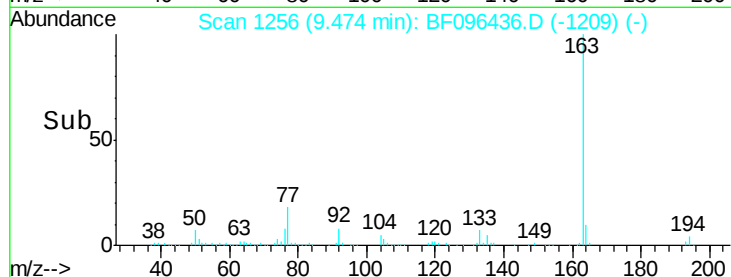
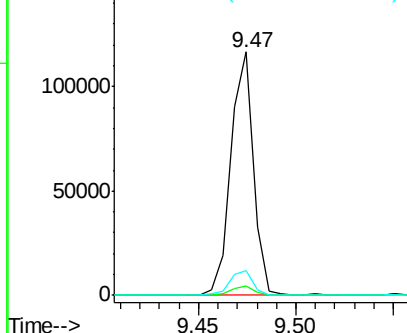
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	94215		
194	3.8		2.6	4.0
164	10.0		8.4	12.6

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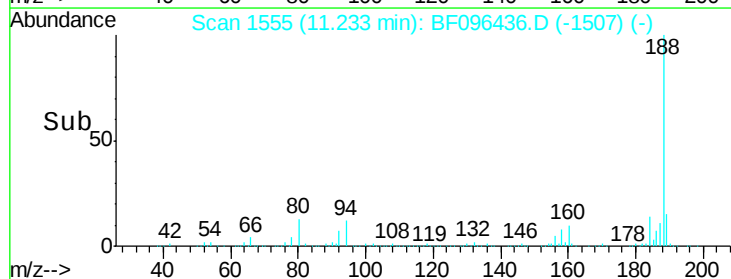
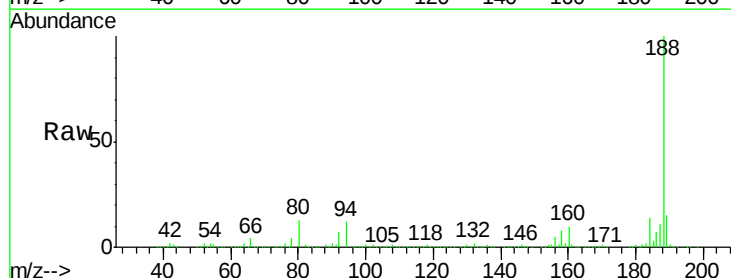
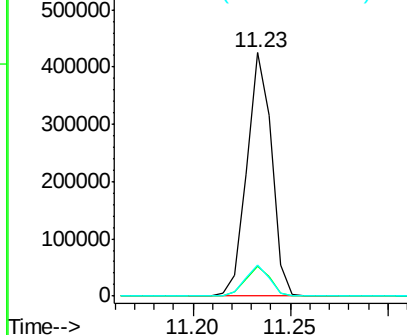
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

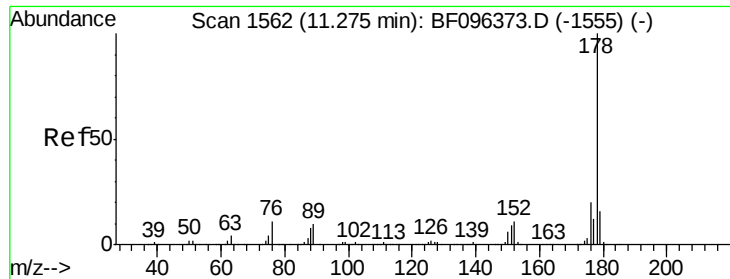


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	372702		
94	12.4		9.4	14.2
80	12.6		10.2	15.2

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





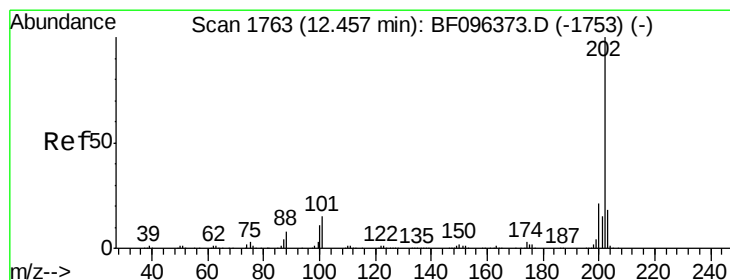
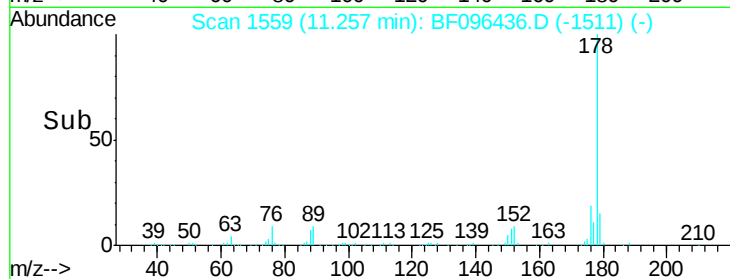
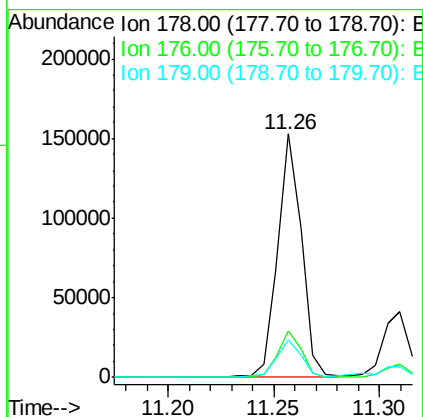
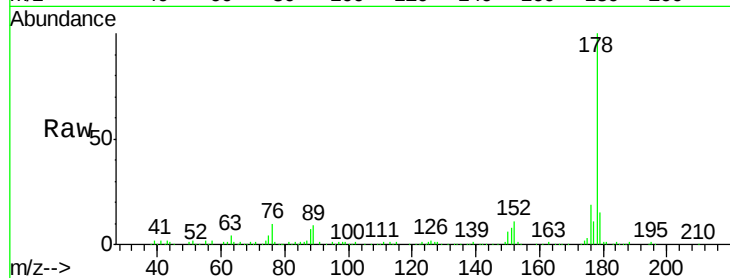
#70
Phenanthrene
Concen: 5.960 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.2	12.6	19.0

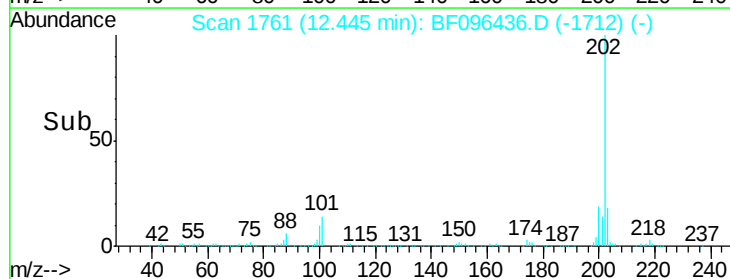
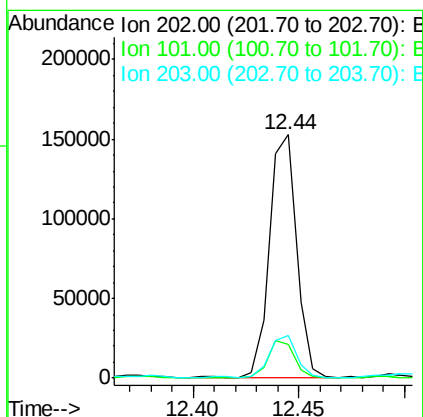
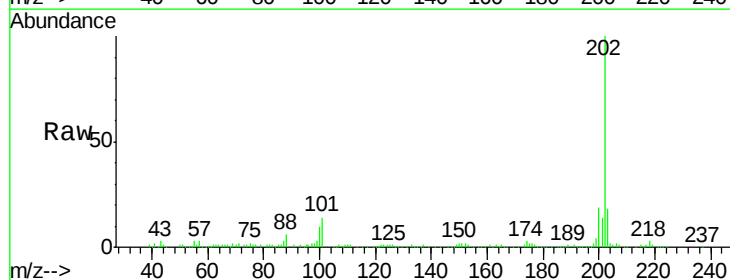
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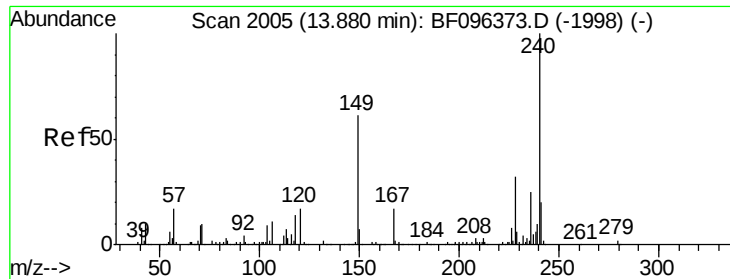
mohammad
7/5/2017 11:41:05 AM



#74
Fluoranthene
Concen: 6.991 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	17.6	0.0	38.1





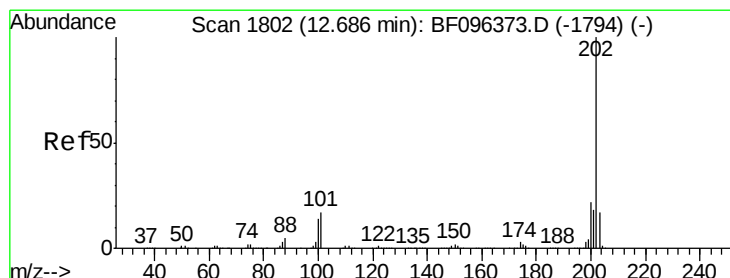
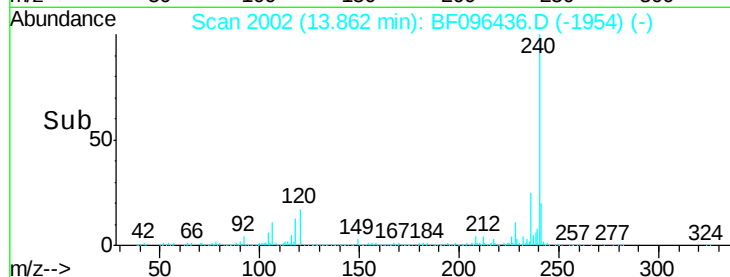
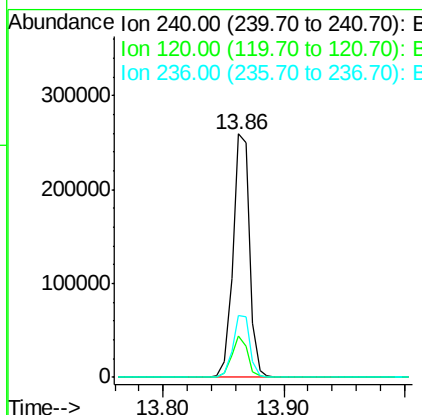
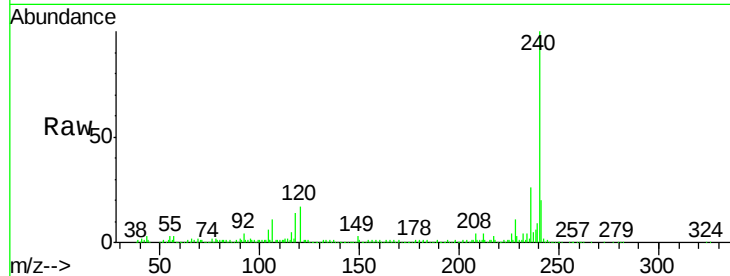
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.8	5.8	8.8#
236	25.6	20.5	30.7

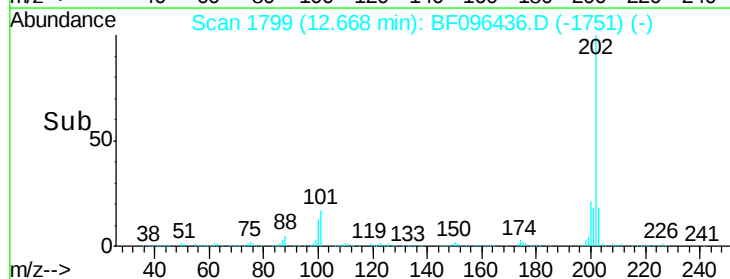
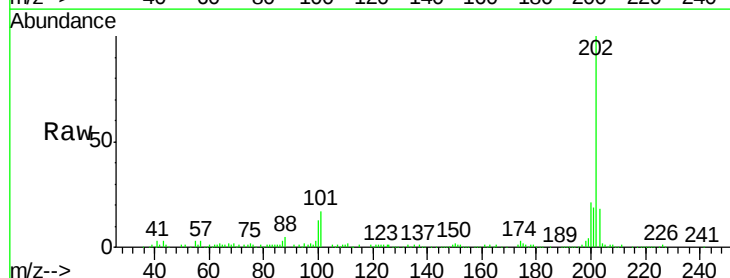
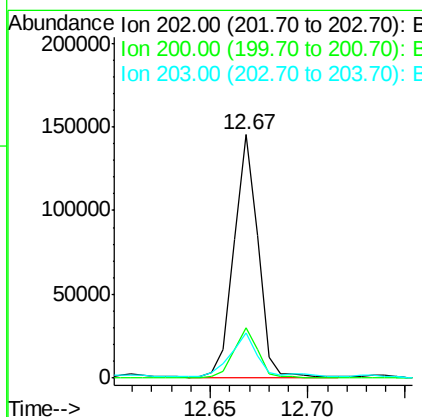
Manual Integrations
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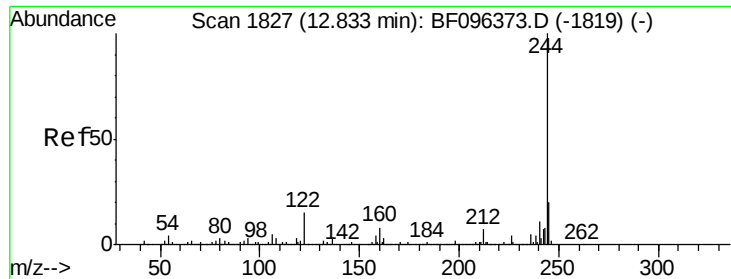
mohammad
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#77
Pyrene
Concen: 6.156 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	18.4	14.4	21.6





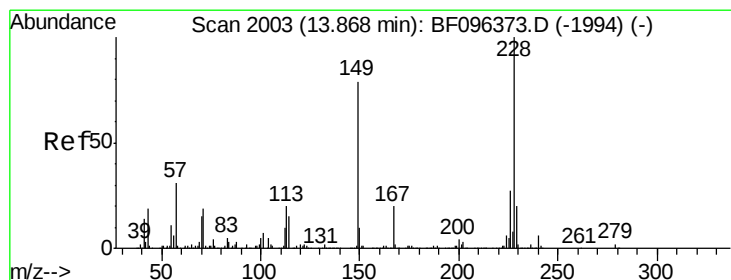
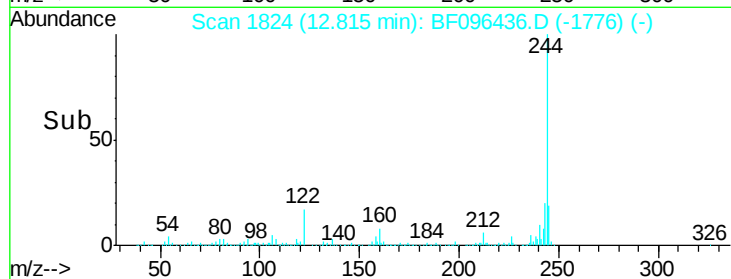
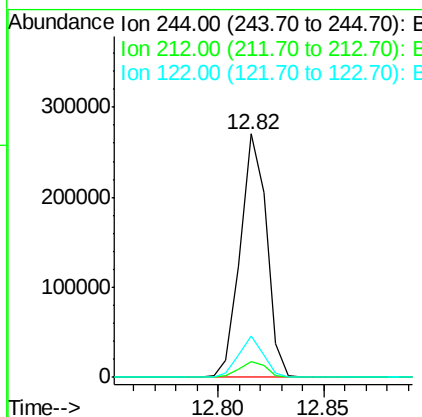
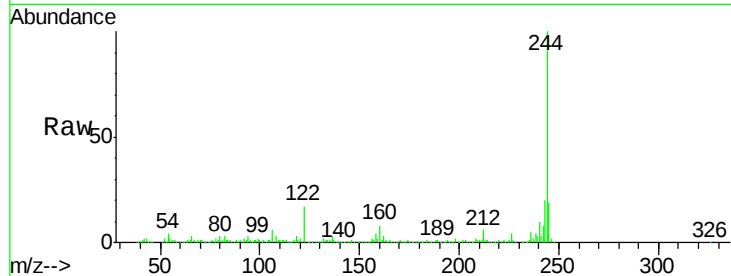
#78
 Terphenyl-d14
 Concen: 19.927 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF096436.D
 Acq: 3 Jul 2017 12:56

Instrument :
 BNA_F
 ClientSampleId :
 G-57-1.5-3

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	232789		
212	6.4	6.0	9.0	
122	16.8	10.3	15.5#	

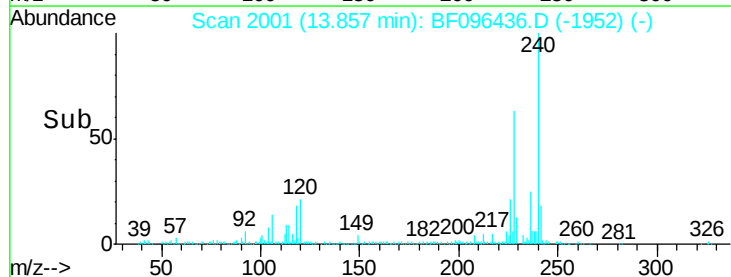
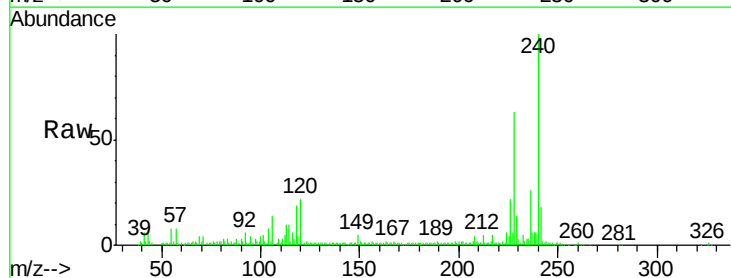
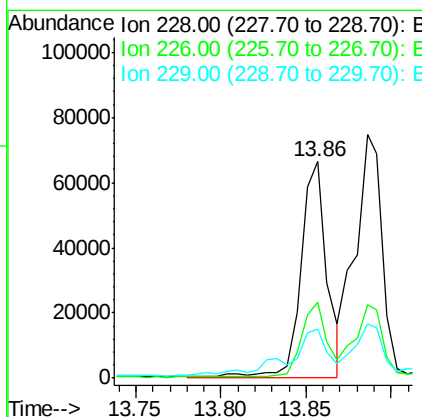
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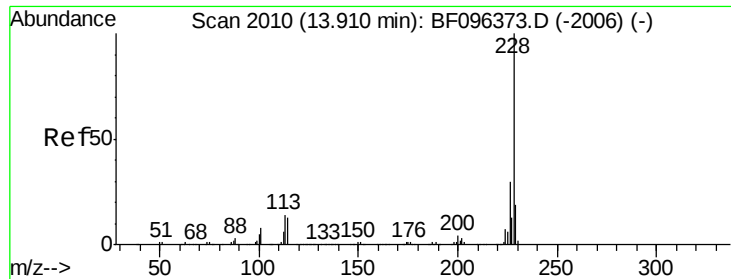
mohammad
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#80
 Benzo(a)anthracene
 Concen: 5.010 ng m
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF096436.D
 Acq: 3 Jul 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	72430		
226	35.1	22.6	33.8#	
229	22.8	16.3	24.5	





#82

Chrysene

Concen: 5.537 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF096436.D

Acq: 3 Jul 2017 12:56

Instrument :

BNA_F

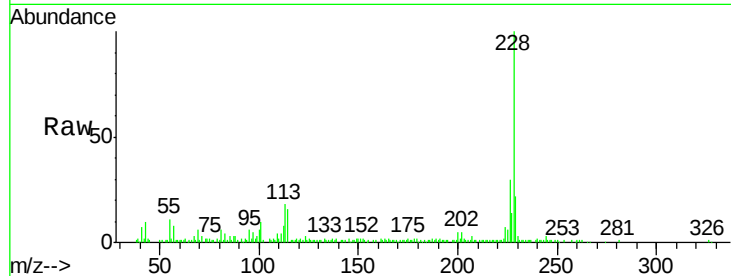
ClientSampleId :

G-57-1.5-3

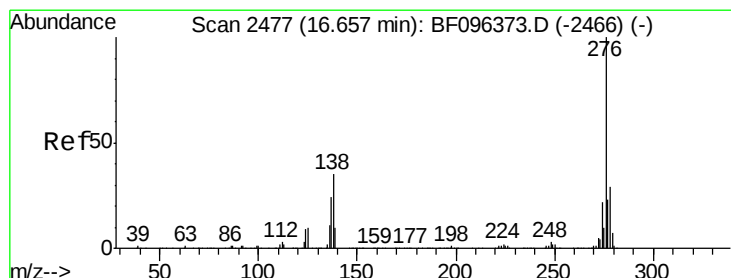
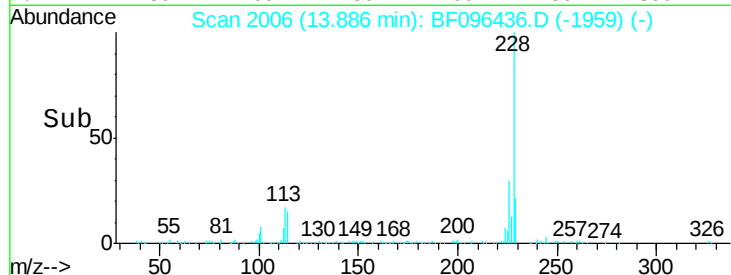
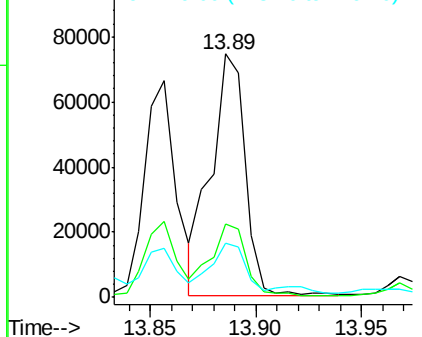
Tgt Ion:	228	Resp:	83815
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	22.3	15.8	23.6

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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: 2.940 ng

RT: 16.63 min Scan# 2473

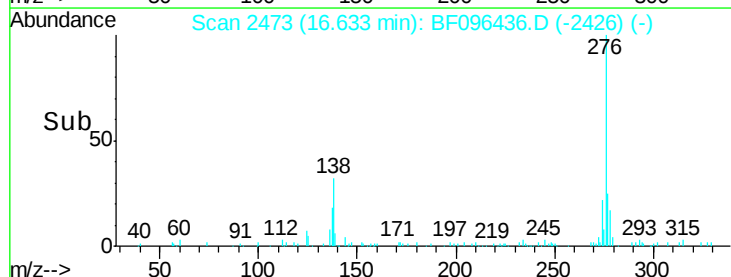
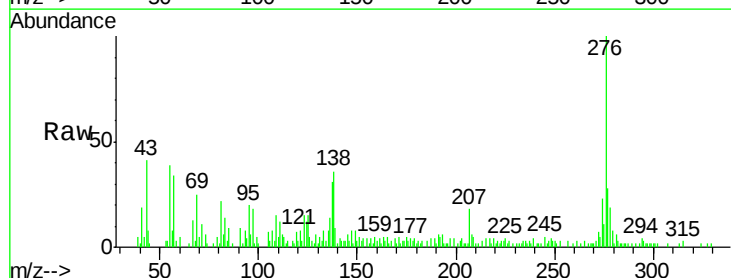
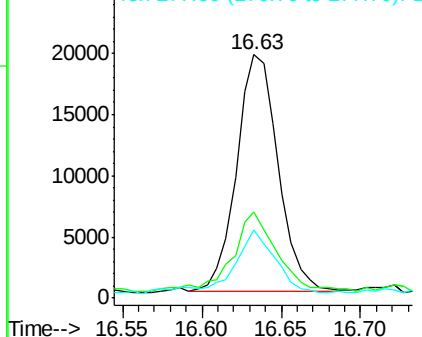
Delta R.T. -0.02 min

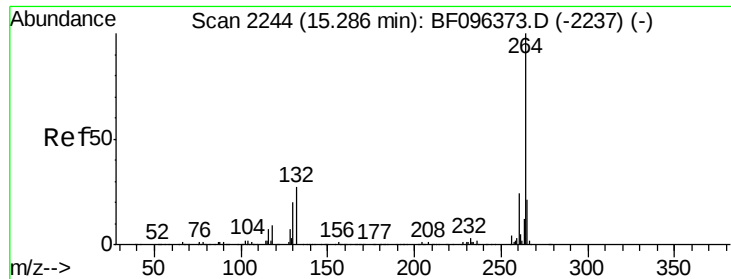
Lab File: BF096436.D

Acq: 3 Jul 2017 12:56

Tgt Ion:	276	Resp:	35132
Ion Ratio	Lower	Upper	
276	100		
138	36.9	27.8	41.6
277	28.4	20.2	30.4

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





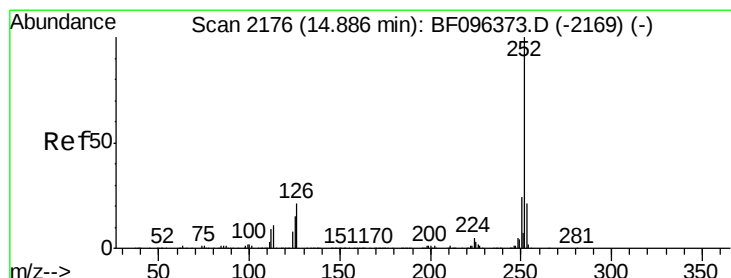
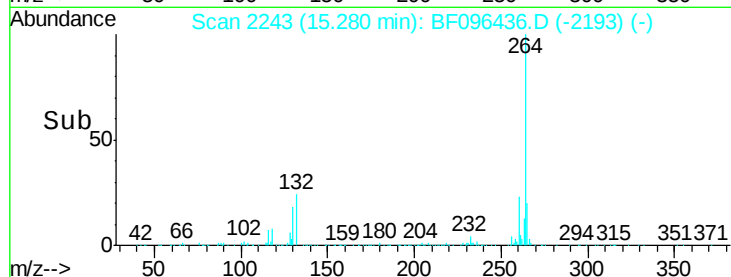
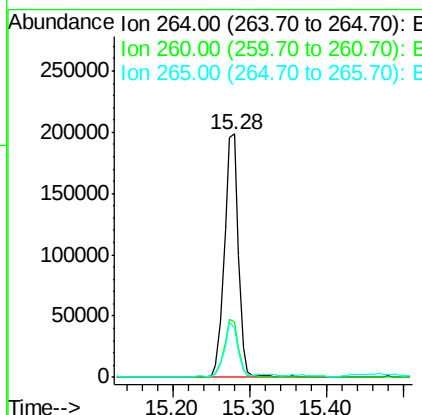
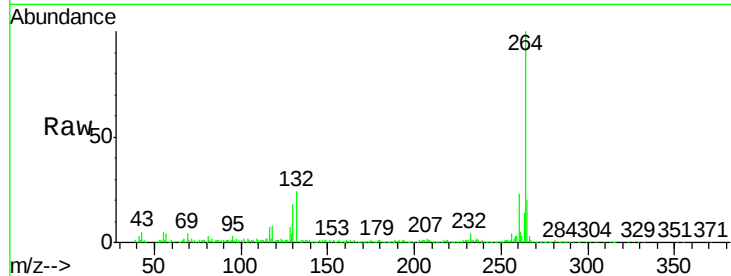
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Instrument :
BNA_F
ClientSampled :
G-57-1.5-3

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	254084		
260	22.6	19.5	29.3	
265	20.1	17.2	25.8	

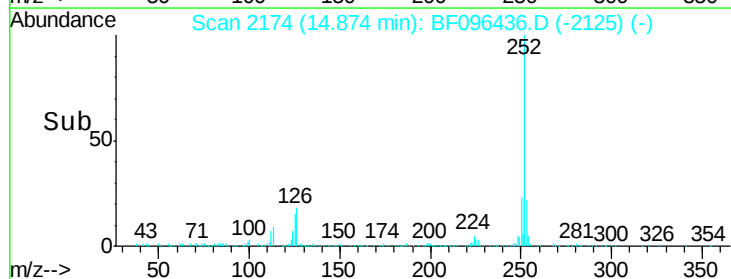
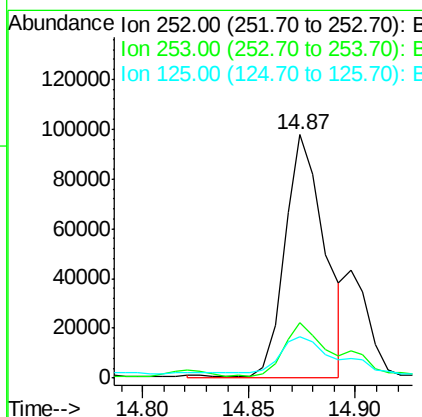
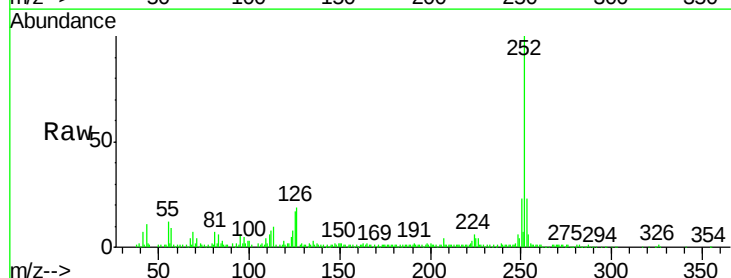
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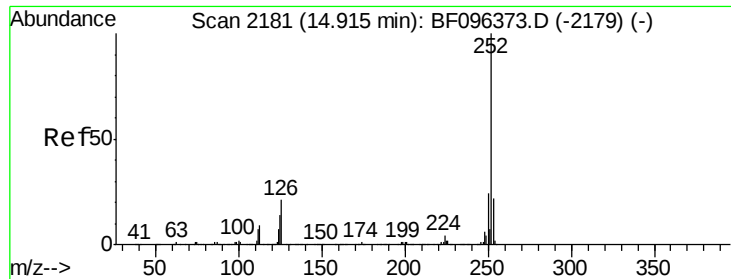
mohammad
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#87
Benzo(b)fluoranthene
Concen: 8.058 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	128283		
253	22.7	18.1	27.1	
125	17.0	9.8	14.8#	





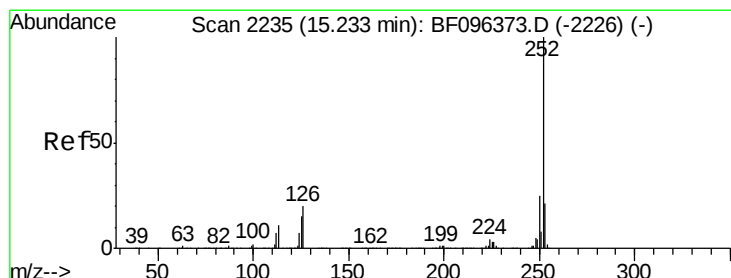
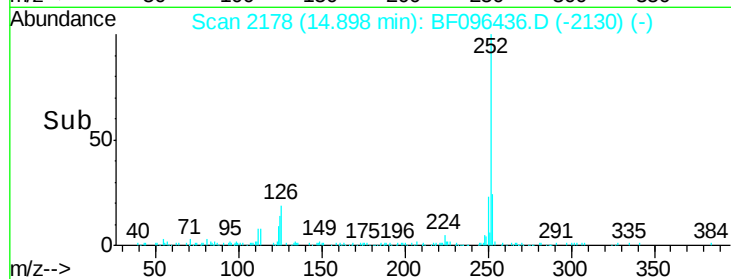
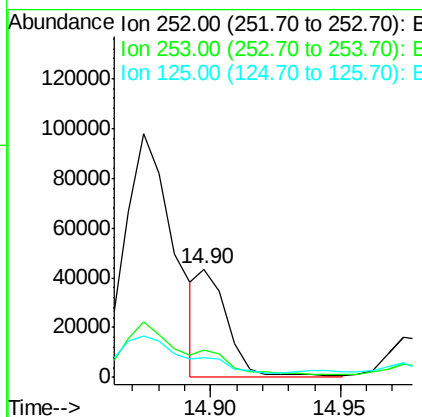
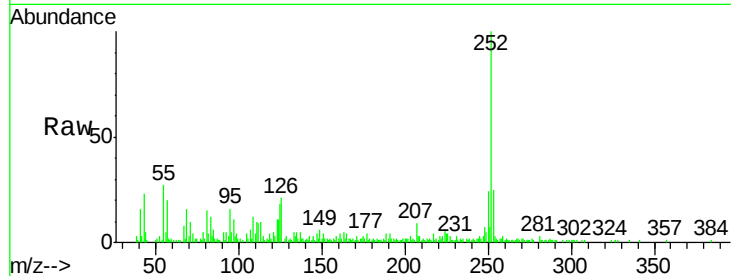
#88
Benzo(k)fluoranthene
Concen: 2.520 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	17.5	13.1	19.7

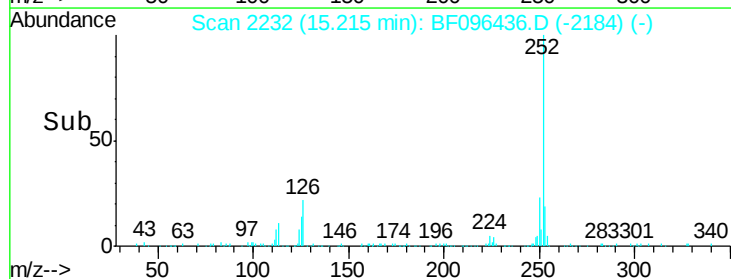
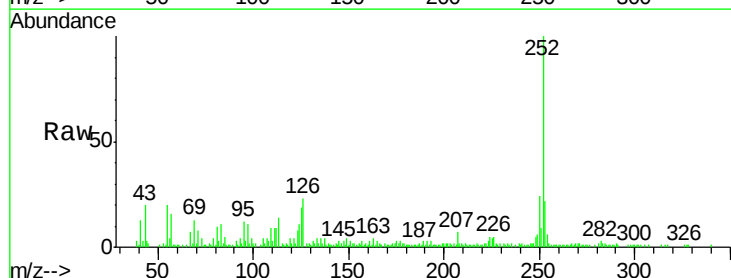
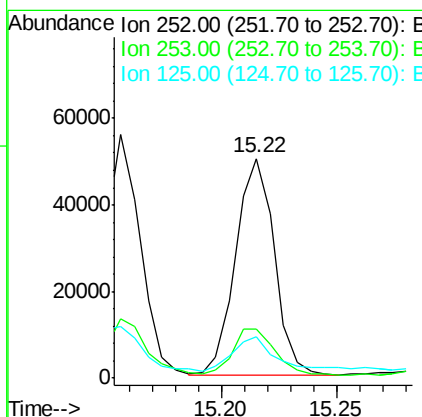
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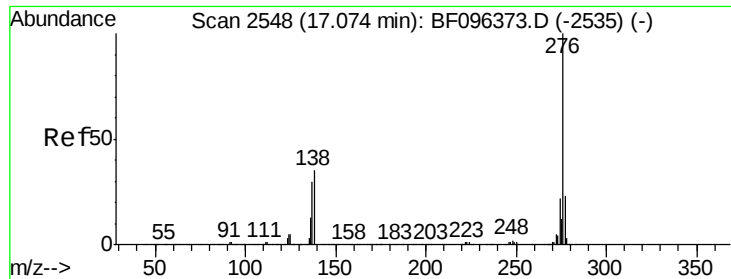
mohammad
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#89
Benzo(a)pyrene
Concen: 4.106 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	18.9	11.0	16.4#





#91
 Benzo(g,h,i)perylene
 Concen: 2.881 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.03 min
 Lab File: BF096436.D
 Acq: 3 Jul 2017 12:56

Instrument :
 BNA_F
 ClientSampleId :
 G-57-1.5-3

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	31.6	25.4	38.0

Manual Integrations
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