

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096191.D
 Acq On : 24 Jun 2017 15:37
 Operator : SJ/MA
 Sample : I3851-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-37-1.5-3

Manual Integrations
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 6/29/2017 3:44:38 PM

Quant Time: Jun 26 02:34:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	67536	20.00	ng	-0.03
21) Naphthalene-d8	9.29	136	260830	20.00	ng	-0.04
38) Acenaphthene-d10	12.12	164	102559	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	157643	20.00	ng	-0.03
75) Chrysene-d12	18.26	240	138264	20.00	ng	-0.02
86) Perylene-d12	19.93	264	103199	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	445665	105.15	ng	-0.03
7) Phenol-d6	6.85	99	503104	99.15	ng	-0.03
23) Nitrobenzene-d5	8.19	82	309380	73.66	ng	-0.04
41) 2,4,6-Tribromophenol	13.42	330	76826	84.67	ng	-0.03
44) 2-Fluorobiphenyl	11.07	172	537534	72.94	ng	-0.04
78) Terphenyl-d14	16.90	244	336536	60.41	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.33	128	41952	3.20	ng	99
37) 2-Methylnaphthalene	10.46	142	31609	3.57	ng	94
48) Acenaphthylene	11.89	152	26438	2.34	ng	97
49) Dimethylphthalate	11.77	163	98174	12.61	ng	98
70) Phenanthrene	14.55	178	86971	9.56	ng	99
71) Anthracene	14.64	178	46386	4.88	ng	96
72) Carbazole	14.96	167	20889	2.26	ng	98
74) Fluoranthene	16.34	202	157482	17.49	ng	100
77) Pyrene	16.65	202	152895	14.82	ng	98
80) Benzo(a)anthracene	18.24	228	88001m	10.95	ng	
82) Chrysene	18.29	228	128487	15.99	ng	96
83) Bis(2-ethylhexyl)phthalate	18.33	149	38766	6.10	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.10	276	49638	7.22	ng	94
87) Benzo(b)fluoranthene	19.53	252	165804m	25.66	ng	
88) Benzo(k)fluoranthene	19.56	252	52483m	8.50	ng	
89) Benzo(a)pyrene	19.88	252	63816	10.74	ng	# 89
90) Dibenzo(a,h)anthracene	21.09	278	19230	3.82	ng	# 86
91) Benzo(g,h,i)perylene	21.43	276	43703	8.51	ng	97

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

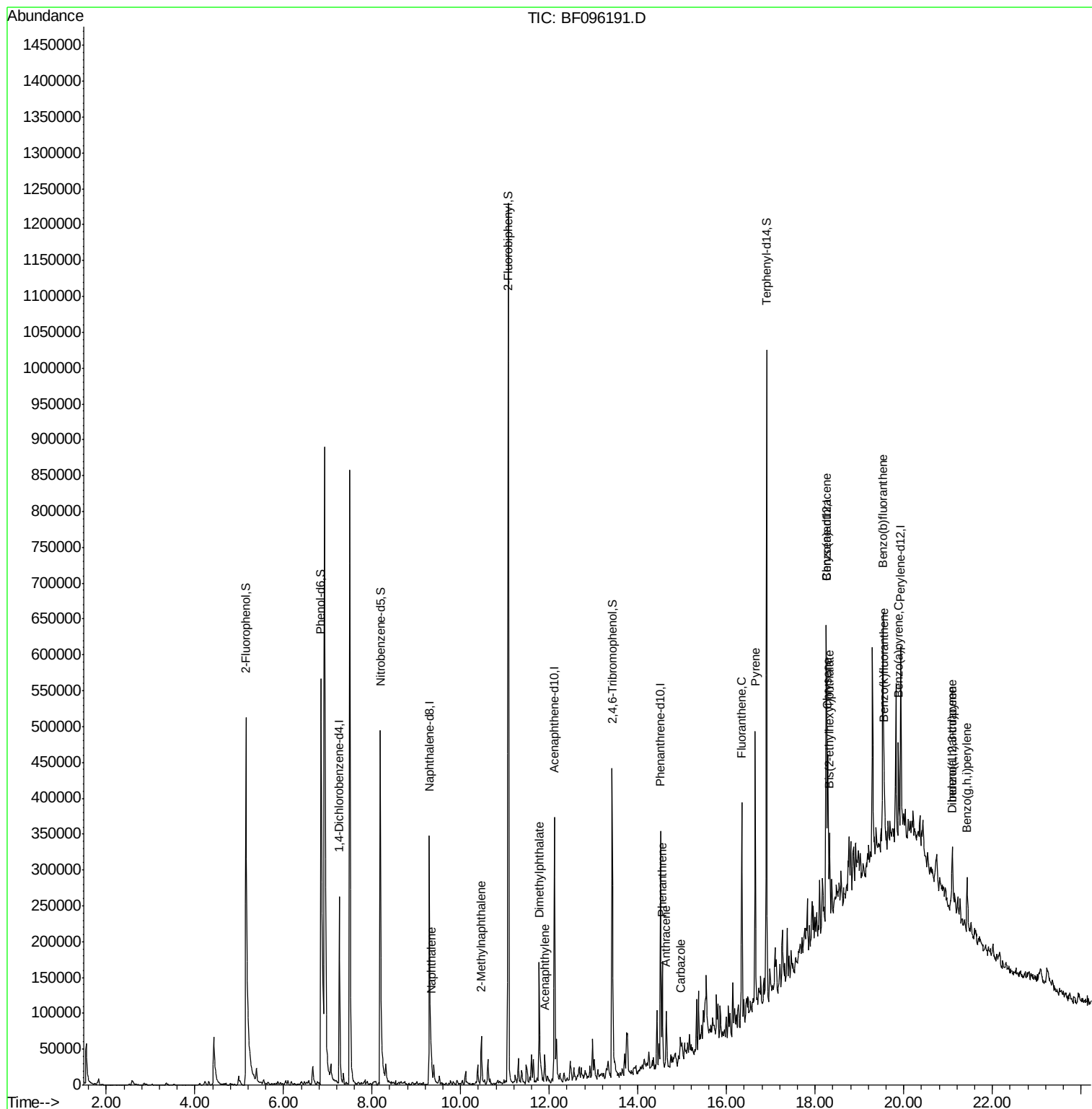
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
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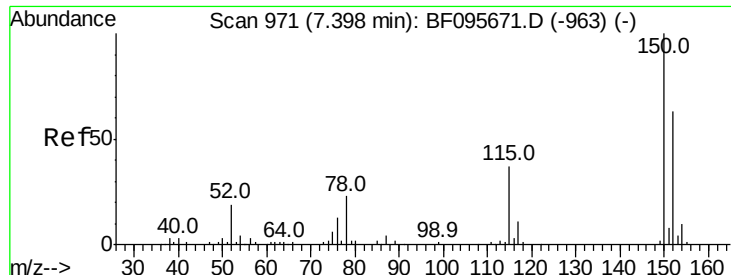
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#1

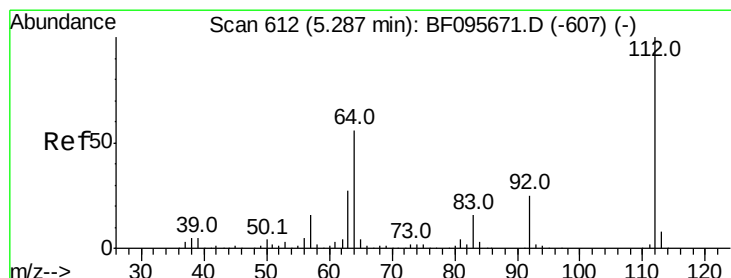
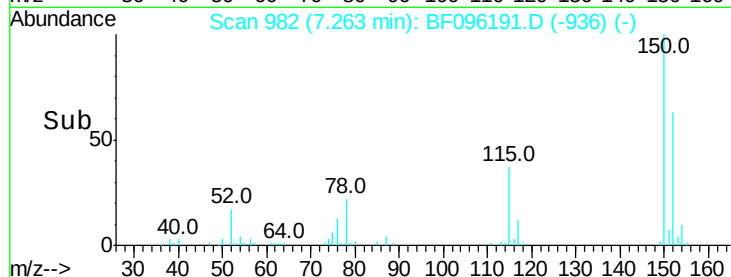
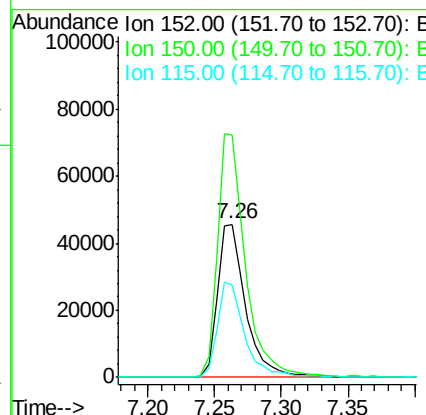
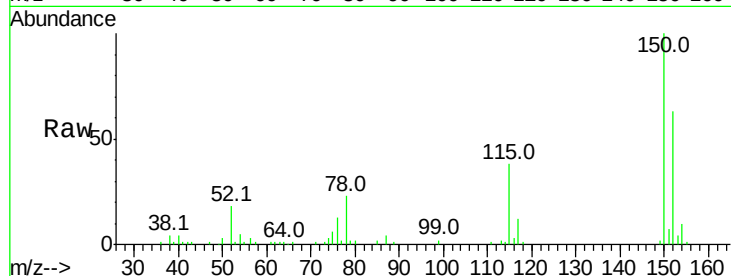
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Instrument :
BNA_F
ClientSampled :
G-37-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.2	189.2
115	60.2	52.2	78.2

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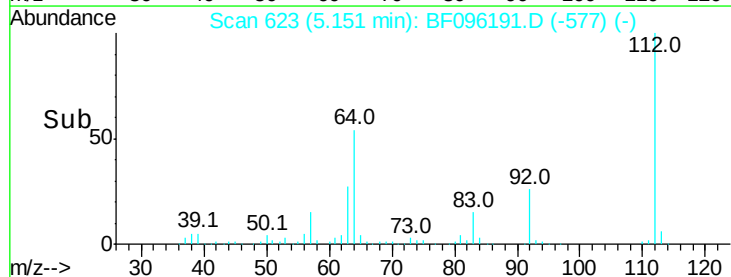
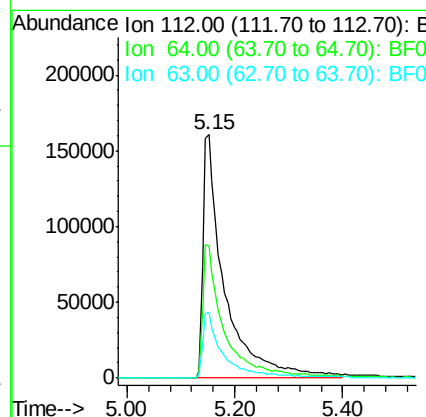
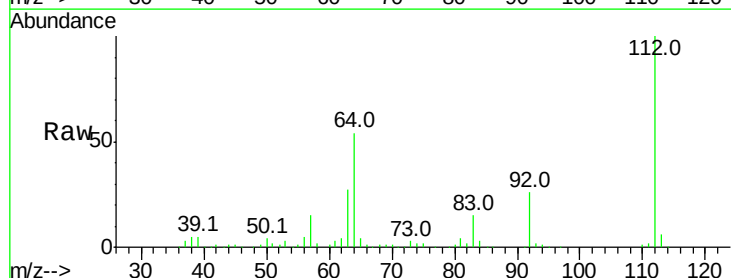
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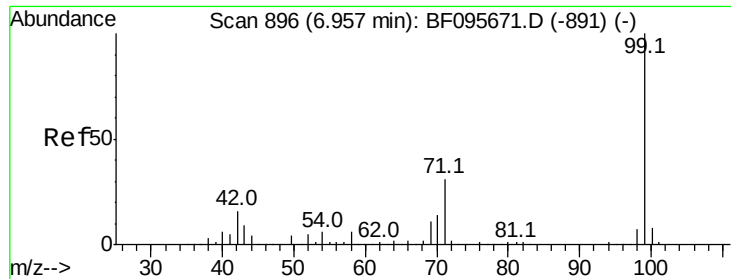


#5

2-Fluorophenol
Concen: 105.15 ng
RT: 5.15 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	46.0	69.0
63	26.8	23.4	35.0





#7

Phenol-d6

Concen: 99.15 ng

RT: 6.85 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA_F

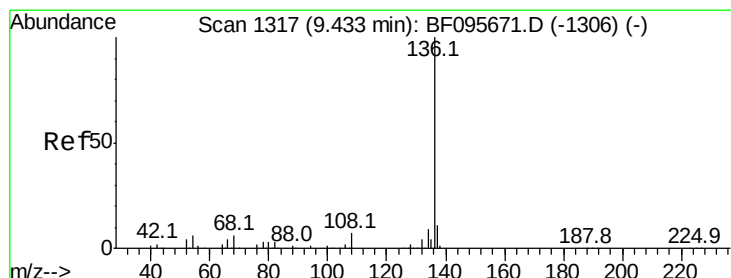
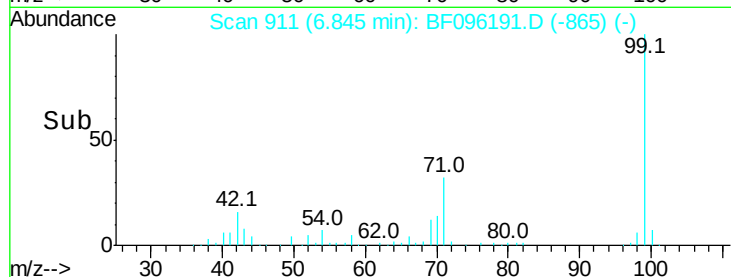
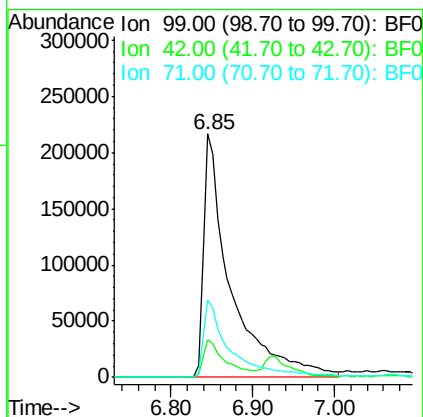
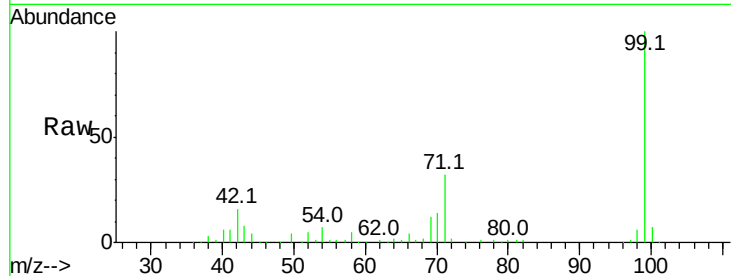
ClientSampled :

G-37-1.5-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		503104		
42	15.5	13.5	20.3		
71	31.8	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

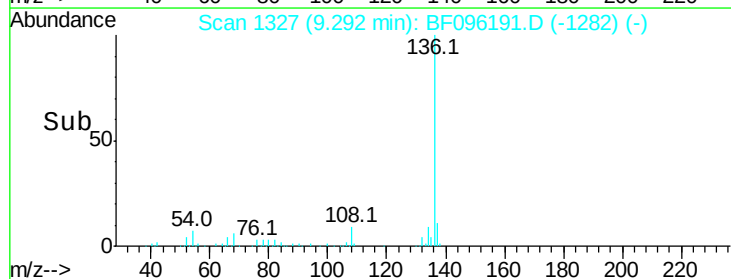
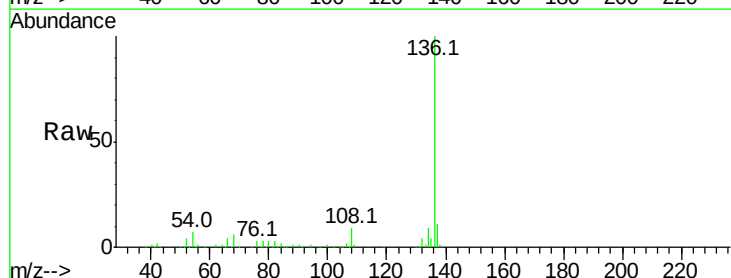
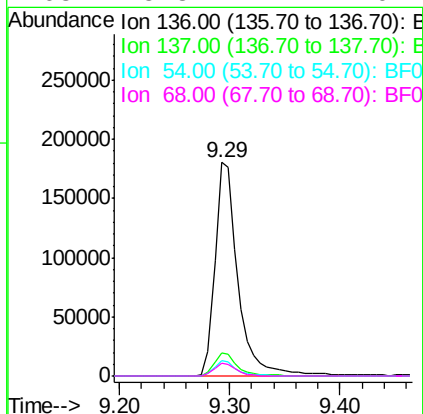
RT: 9.29 min Scan# 1327

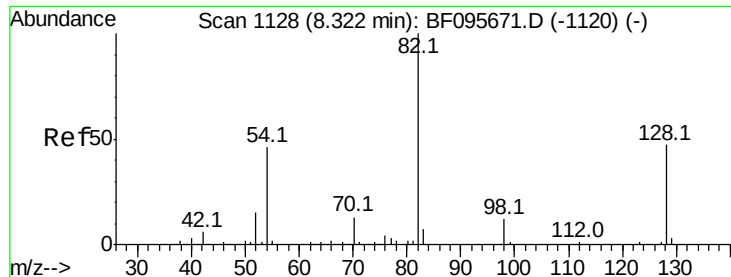
Delta R.T. -0.04 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		260830		
137	10.5	8.5	12.7		
54	7.1	4.9	7.3		
68	5.8	4.1	6.1		





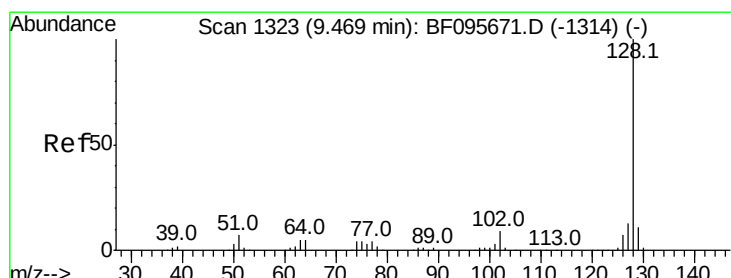
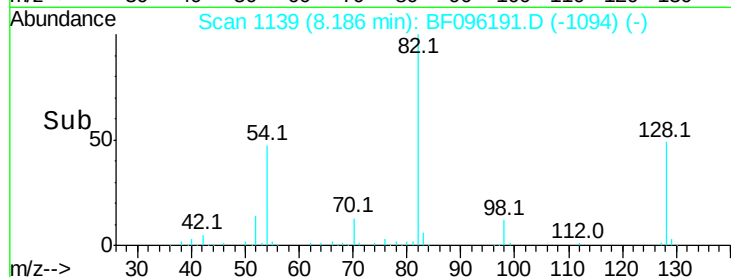
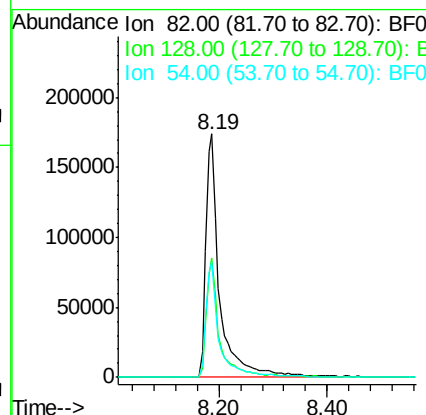
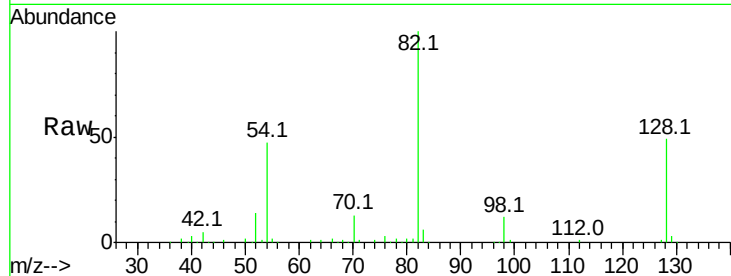
#23
 Nitrobenzene-d5
 Concen: 73.66 ng
 RT: 8.19 min Scan# 1139
 Delta R.T. -0.04 min
 Lab File: BF096191.D
 Acq: 24 Jun 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 G-37-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.2	34.0	51.0	
54	47.3	42.2	63.2	

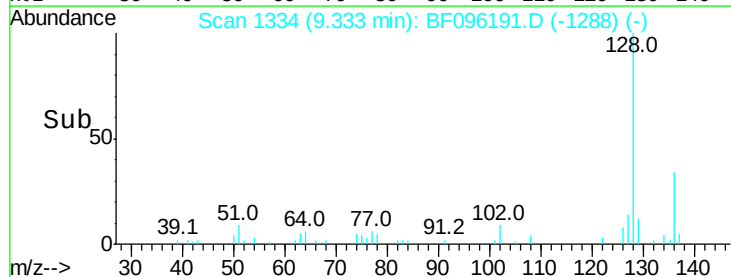
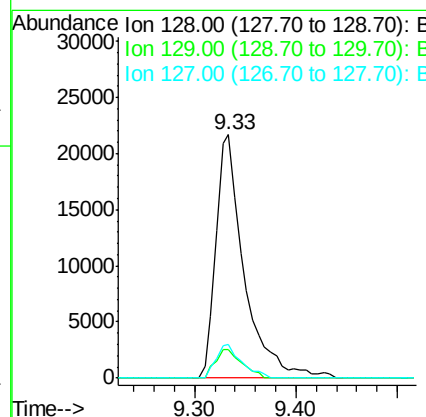
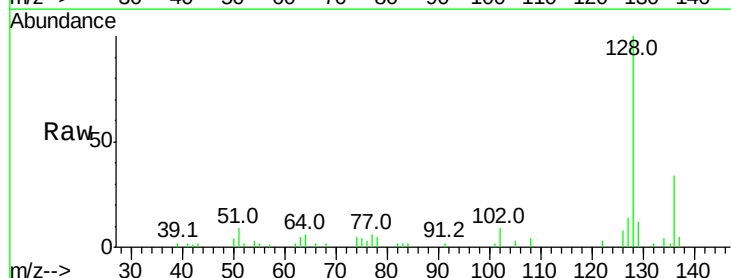
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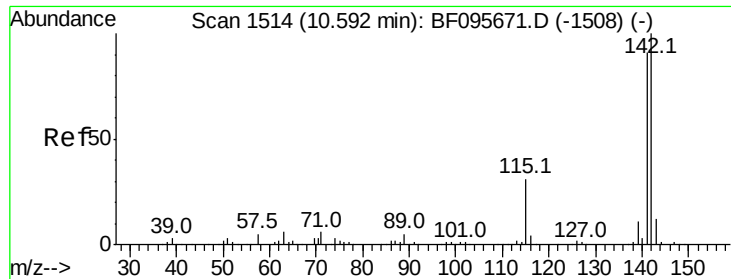
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#31
 Naphthalene
 Concen: 3.20 ng
 RT: 9.33 min Scan# 1334
 Delta R.T. -0.03 min
 Lab File: BF096191.D
 Acq: 24 Jun 2017 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.5	9.0	13.6	
127	14.1	10.8	16.2	





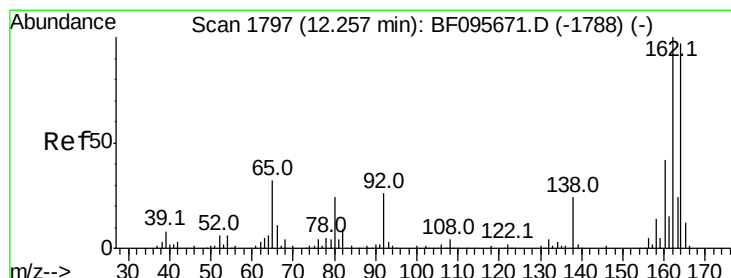
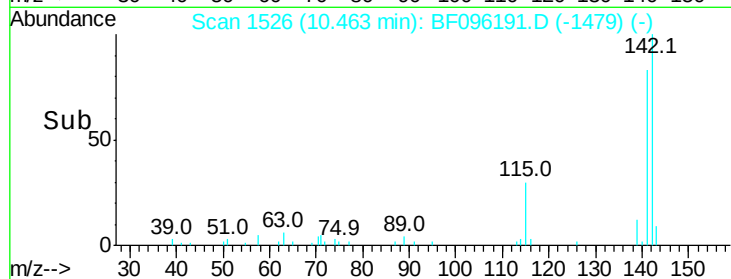
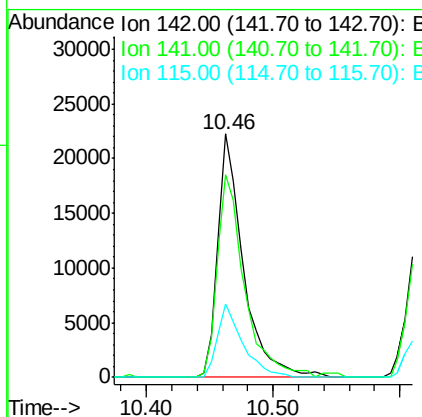
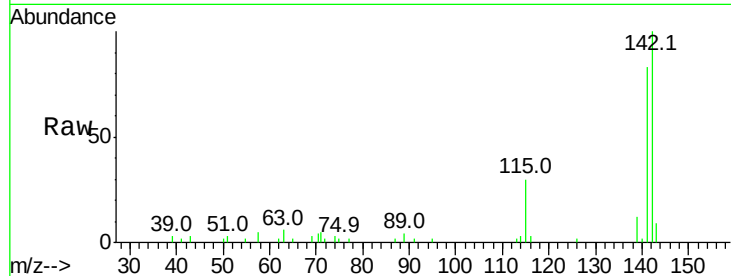
#37
2-Methylnaphthalene
Concen: 3.57 ng
RT: 10.46 min Scan# 1526
Delta R.T. -0.02 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Instrument :
BNA_F
ClientSampleId :
G-37-1.5-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.2	71.3	106.9
115	30.0	27.1	40.7

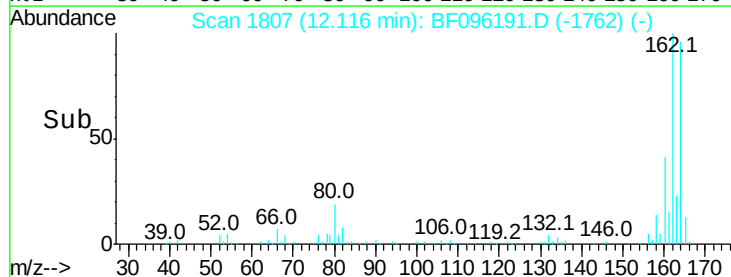
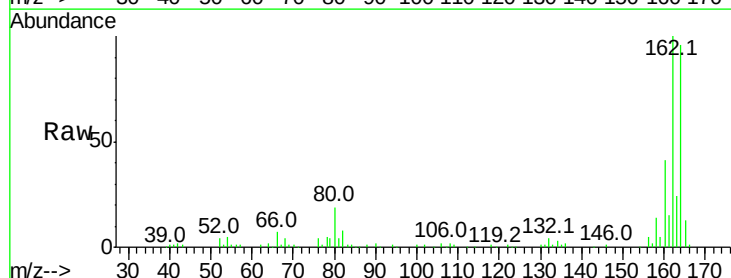
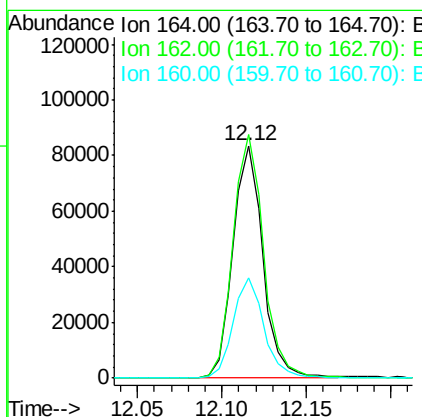
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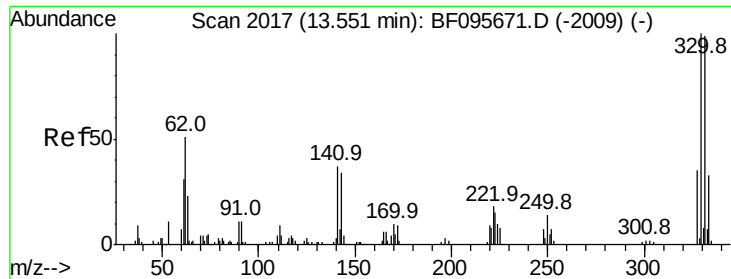
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.12 min Scan# 1807
Delta R.T. -0.04 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	43.3	36.2	54.2





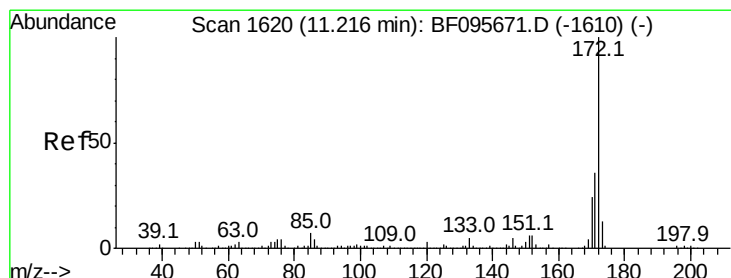
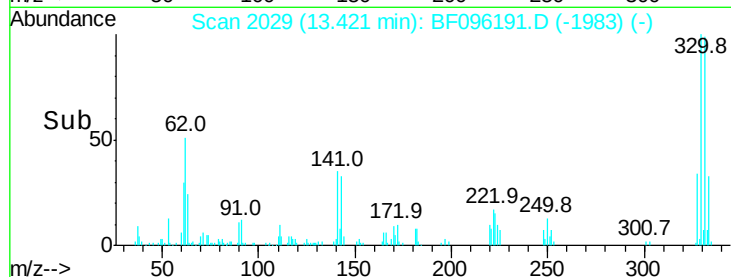
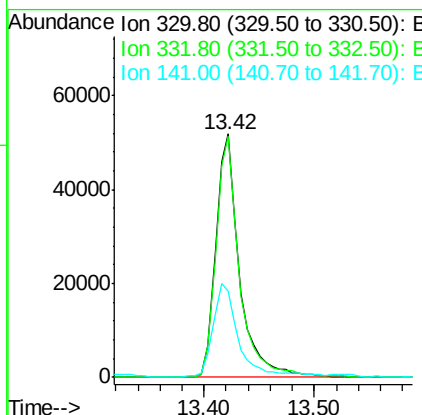
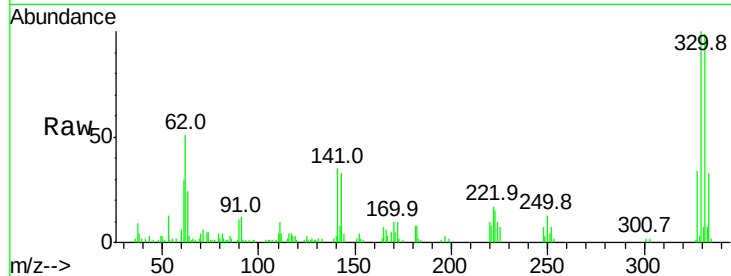
#41
 2,4,6-Tribromophenol
 Concen: 84.67 ng
 RT: 13.42 min Scan# 2029
 Delta R.T. -0.03 min
 Lab File: BF096191.D
 Acq: 24 Jun 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 G-37-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.5	76.6	115.0	
141	42.3	31.4	47.2	

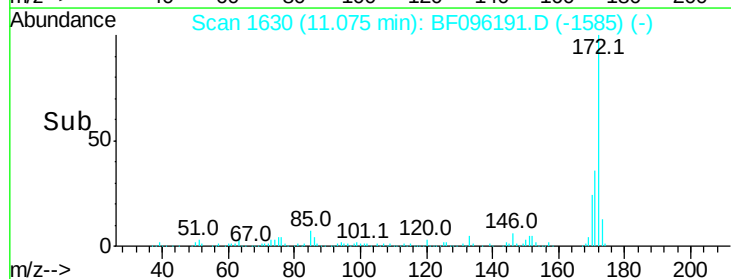
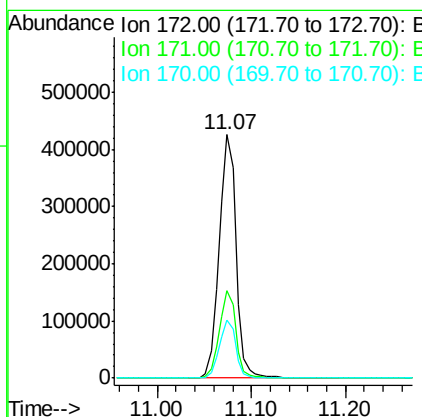
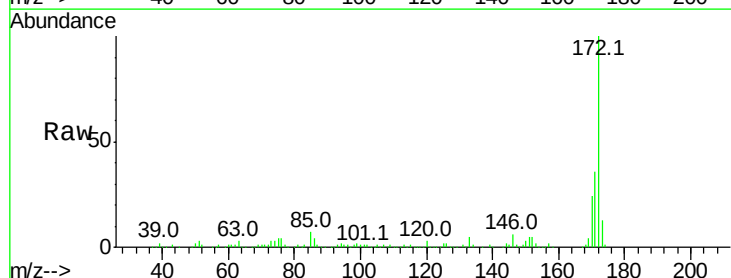
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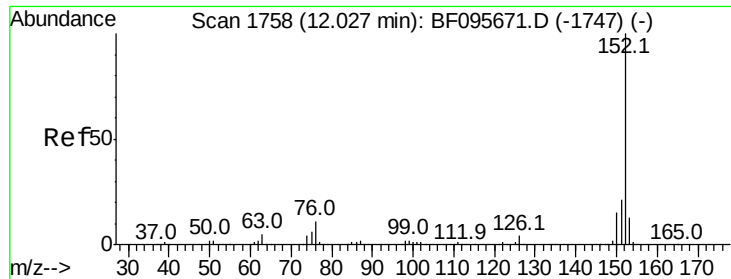
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#44
 2-Fluorobiphenyl
 Concen: 72.94 ng
 RT: 11.07 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF096191.D
 Acq: 24 Jun 2017 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	23.7	19.8	29.8	





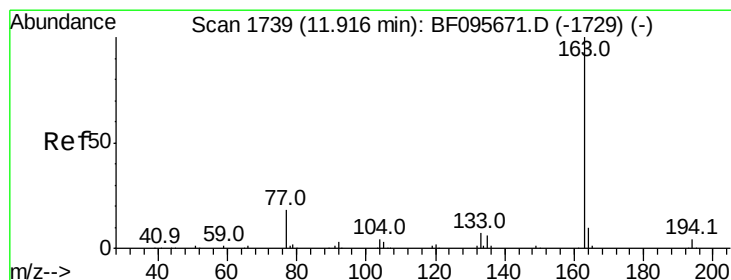
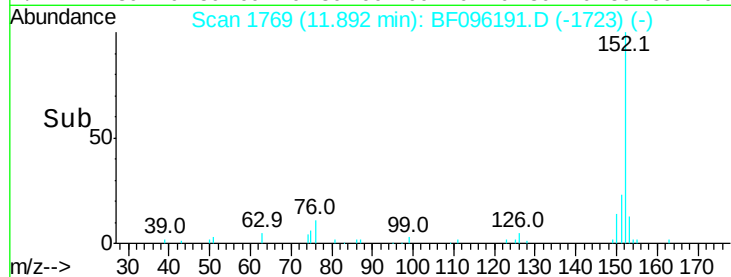
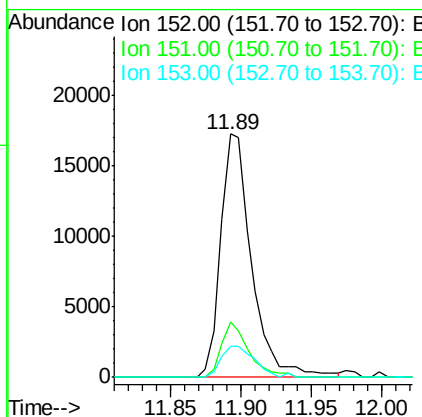
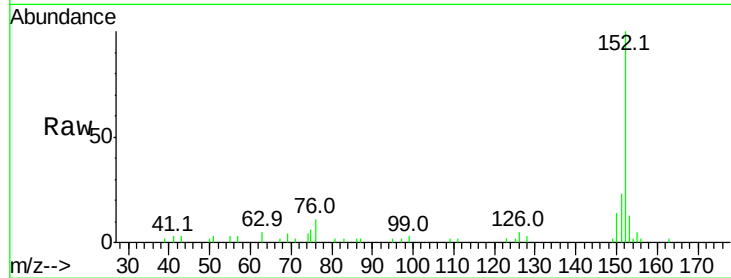
#48
Acenaphthylene
Concen: 2.34 ng
RT: 11.89 min Scan# 1769
Delta R.T. -0.03 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Instrument :
BNA_F
ClientSampleId :
G-37-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.9	16.8	25.2
153	12.9	10.8	16.2

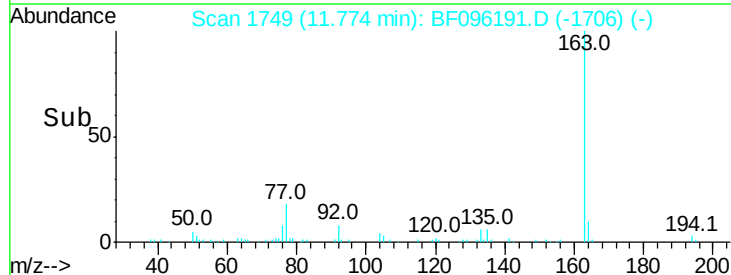
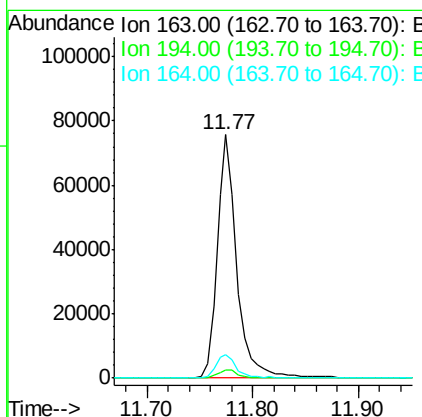
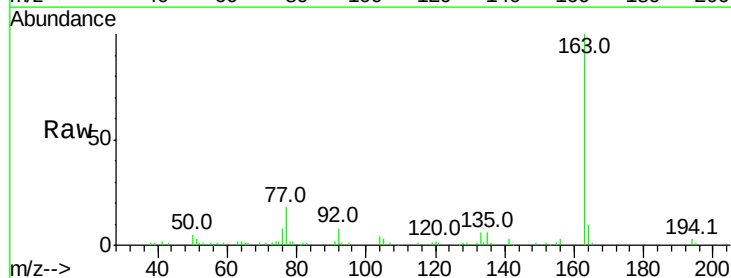
Manual Integrations
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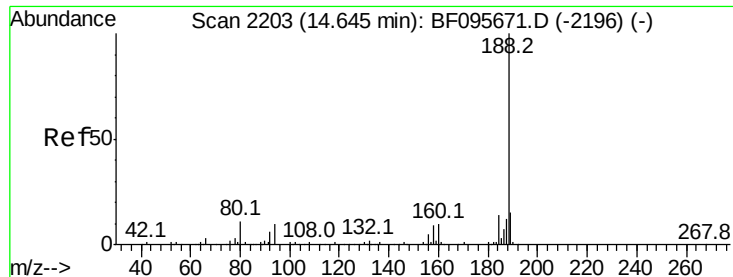
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#49
Dimethylphthalate
Concen: 12.61 ng
RT: 11.77 min Scan# 1749
Delta R.T. -0.05 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.6	8.4	12.6





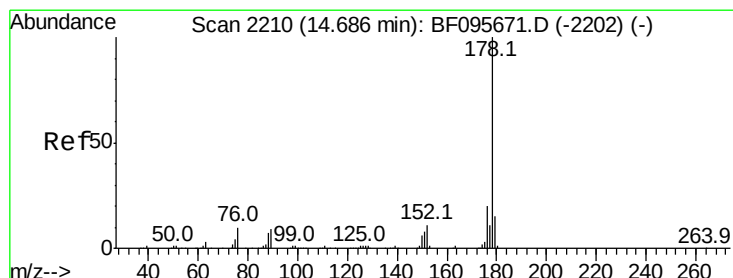
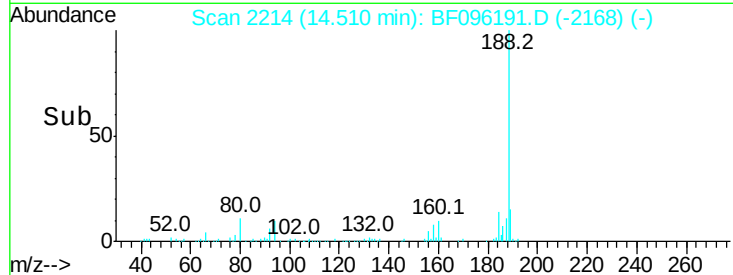
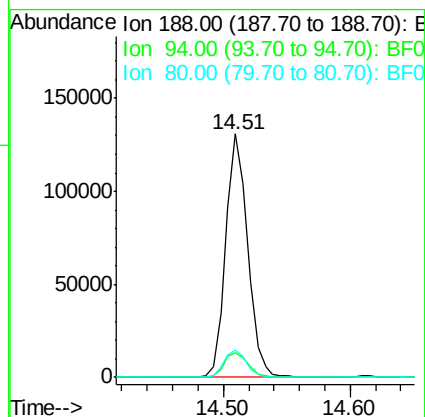
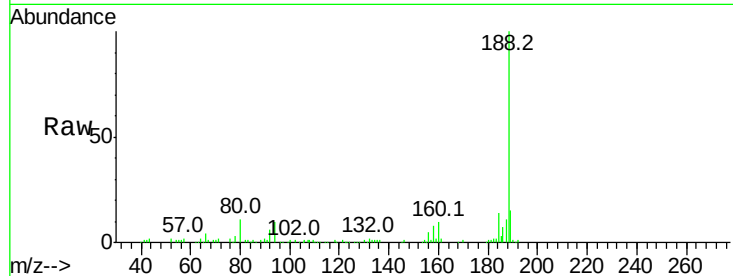
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.51 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Instrument :
BNA_F
ClientSampleId :
G-37-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	9.4	14.2
80	11.1	10.2	15.2

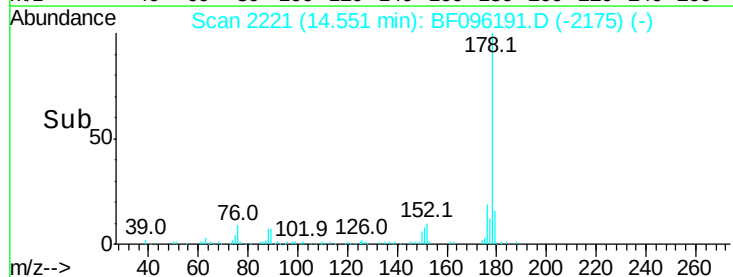
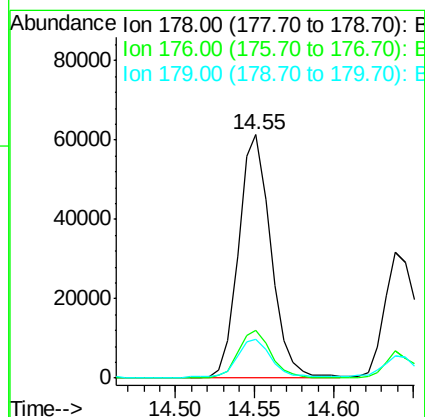
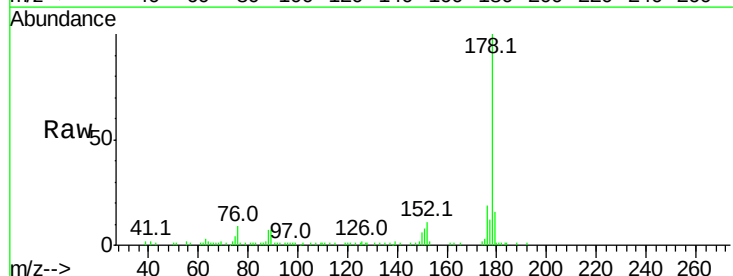
Manual Integrations
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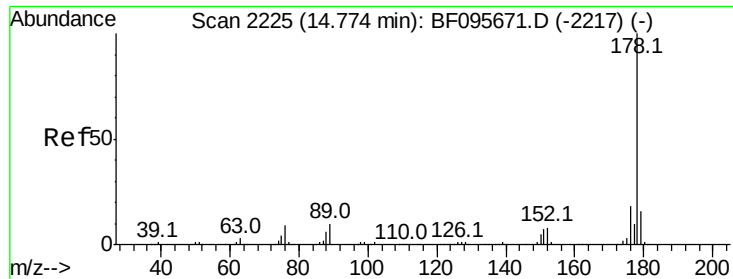
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#70
Phenanthrene
Concen: 9.56 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.03 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.2	24.4
179	16.1	12.6	19.0





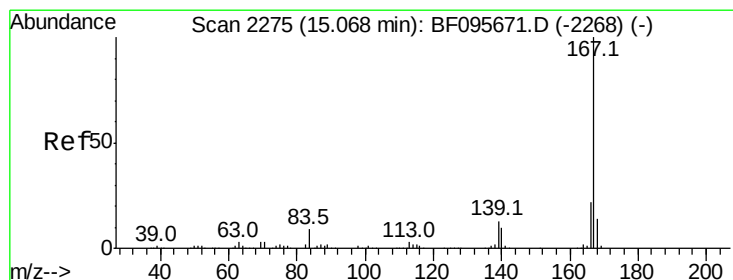
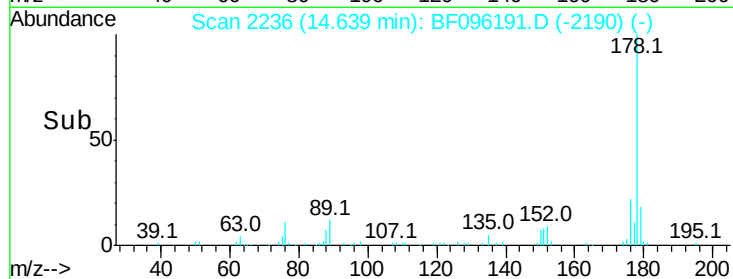
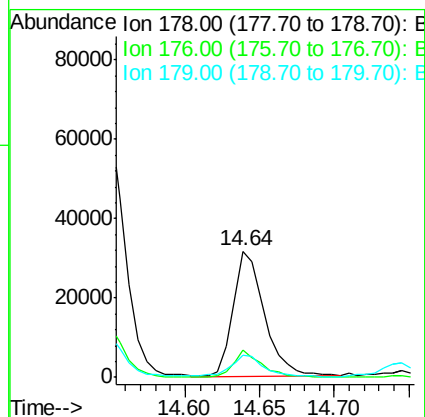
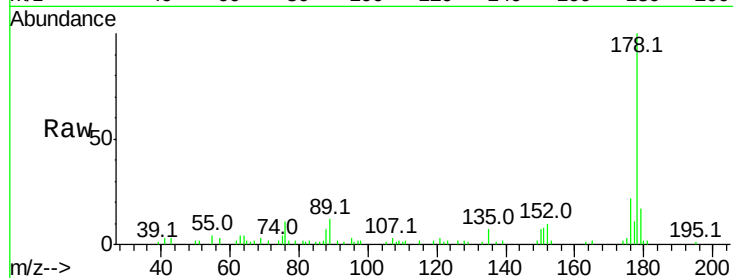
#71
 Anthracene
 Concen: 4.88 ng
 RT: 14.64 min Scan# 2236
 Delta R.T. -0.03 min
 Lab File: BF096191.D
 Acq: 24 Jun 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 G-37-1.5-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.7	15.8	23.8
179	17.5	12.7	19.1

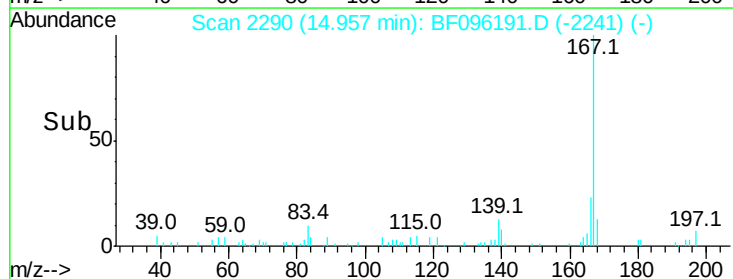
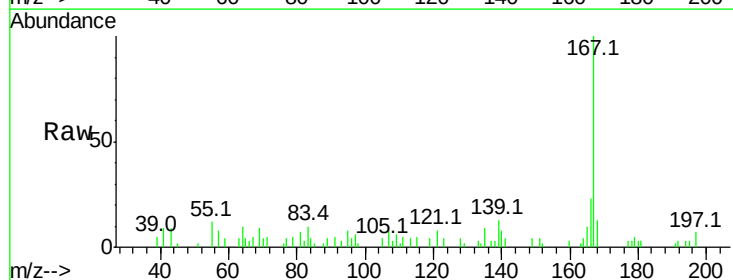
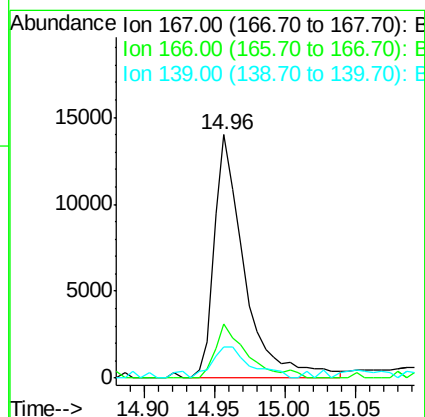
Manual Integrations
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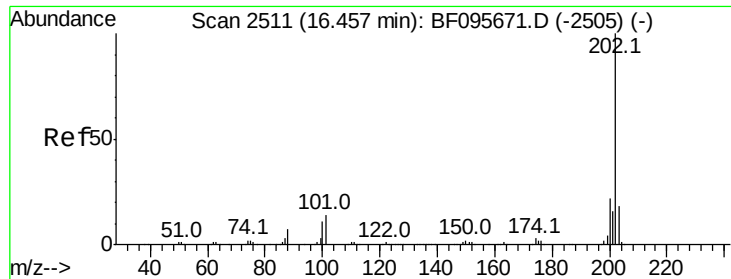
mohammad
 6/29/2017 3:44:38 PM



#72
 Carbazole
 Concen: 2.26 ng
 RT: 14.96 min Scan# 2290
 Delta R.T. -0.01 min
 Lab File: BF096191.D
 Acq: 24 Jun 2017 15:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.1	27.1
139	12.8	11.7	17.5





#74

Fluoranthene

Concen: 17.49 ng

RT: 16.34 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA_F

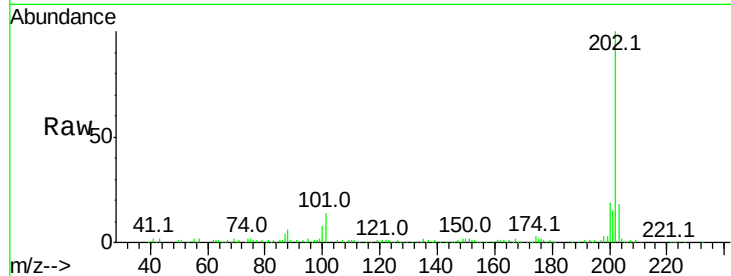
ClientSampleId :

G-37-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	33.2
203	18.0	0.0	38.1

Manual Integrations
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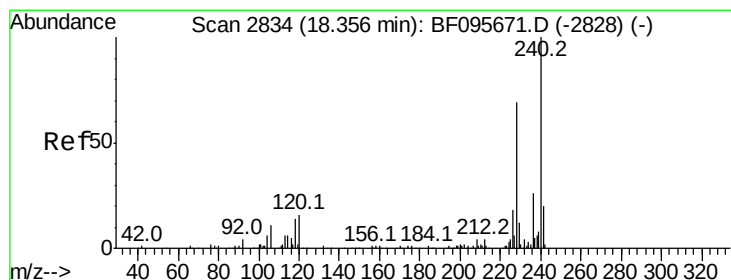
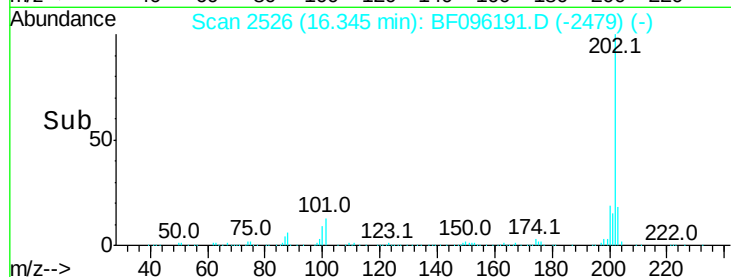
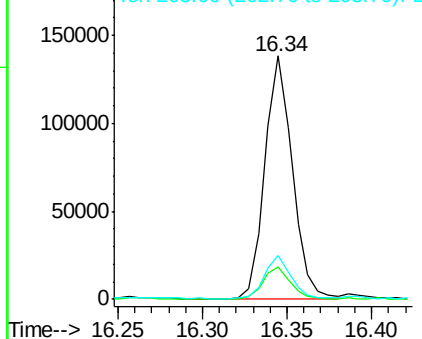
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.26 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BF096191.D

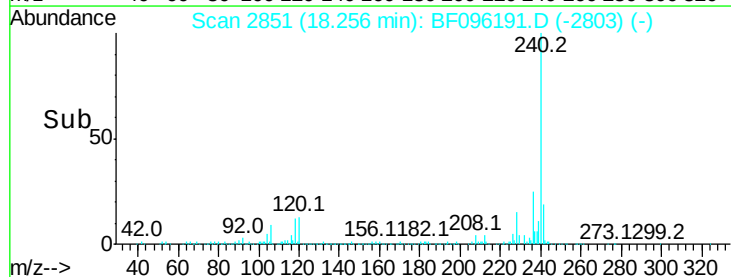
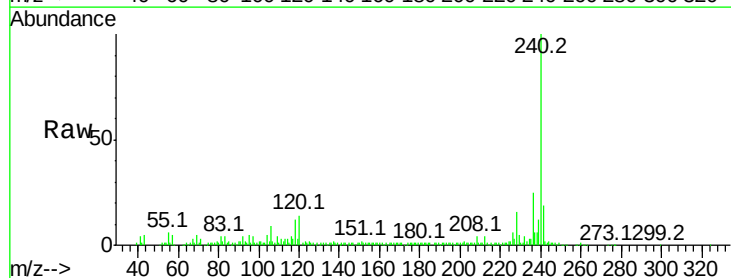
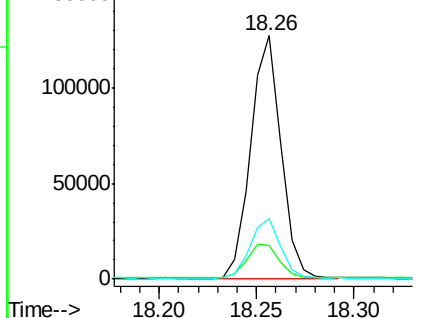
Acq: 24 Jun 2017 15:37

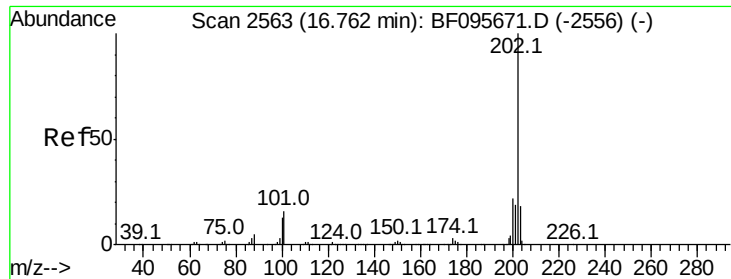
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	24.9	20.5	30.7

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





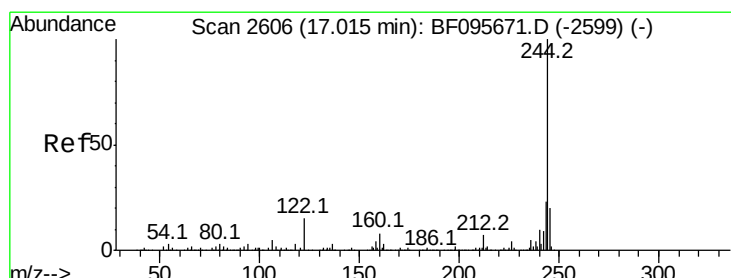
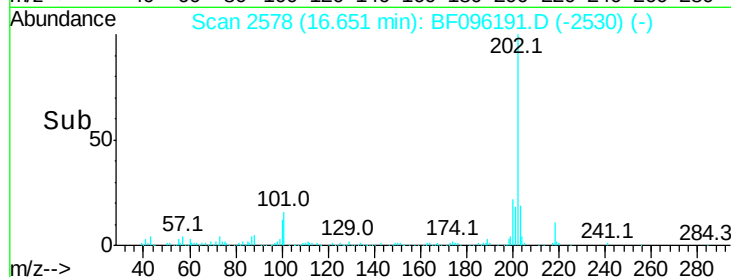
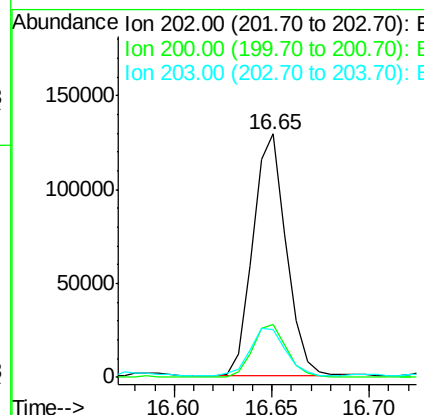
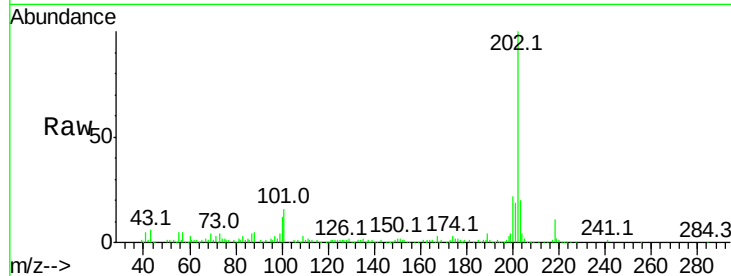
#77
Pvrene
Concen: 14.82 ng
RT: 16.65 min Scan# 2578
Delta R.T. -0.02 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Instrument :
BNA_F
ClientSampleId :
G-37-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	17.6	26.4
203	19.6	14.4	21.6

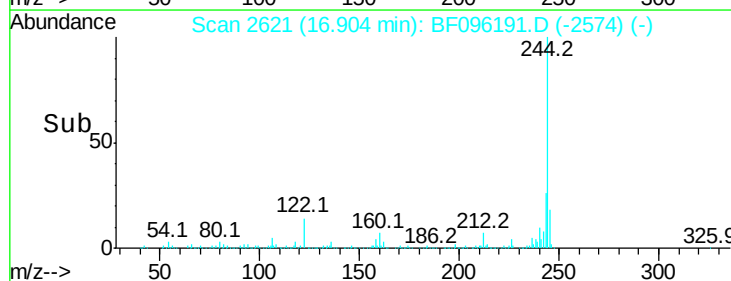
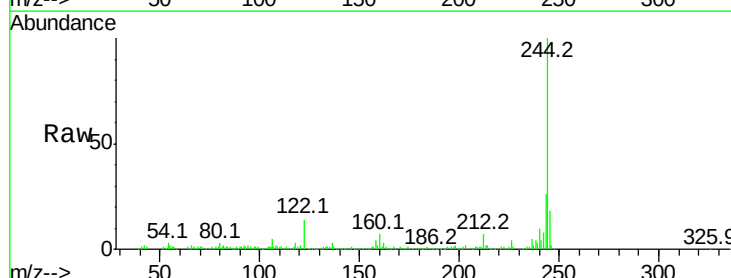
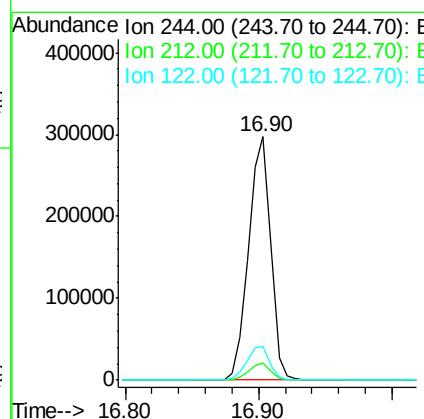
Manual Integrations
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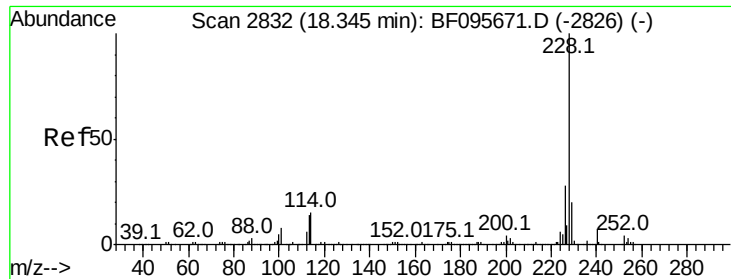
mohammad
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#78
Terphenyl-d14
Concen: 60.41 ng
RT: 16.90 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.0	10.3	15.5





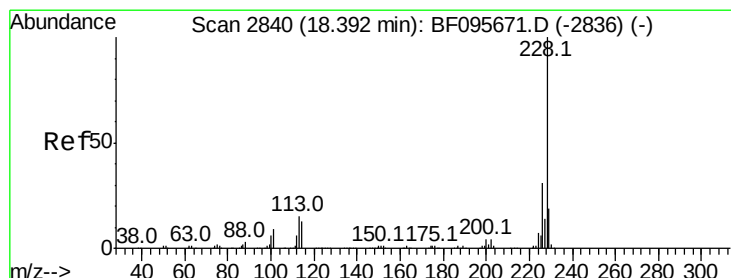
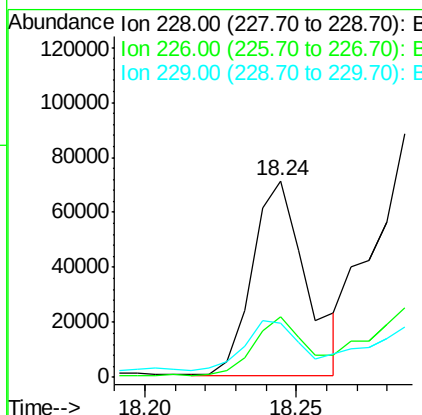
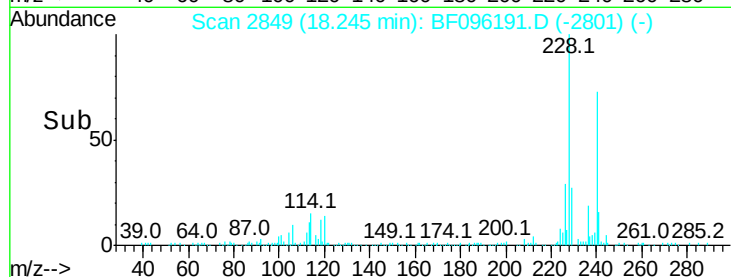
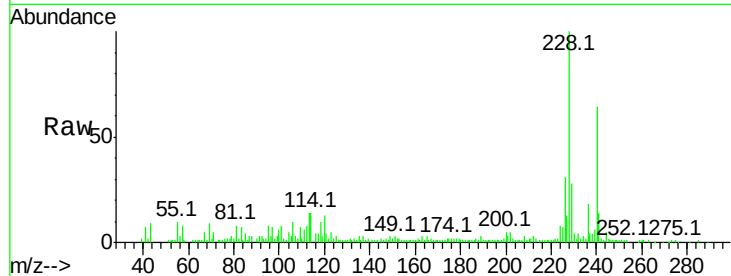
#80
Benzo(a)anthracene
Concen: 10.95 ng
RT: 18.24 min Scan# 2849
Delta R.T. -0.02 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Instrument :
BNA_F
ClientSampleId :
G-37-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	27.6	16.3	24.5

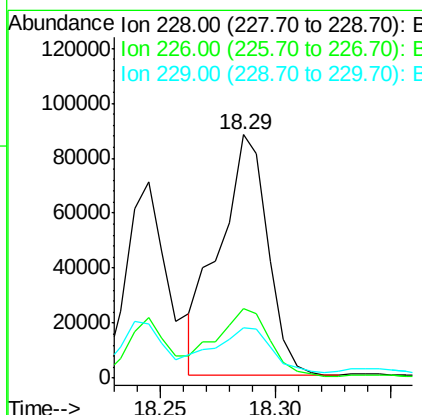
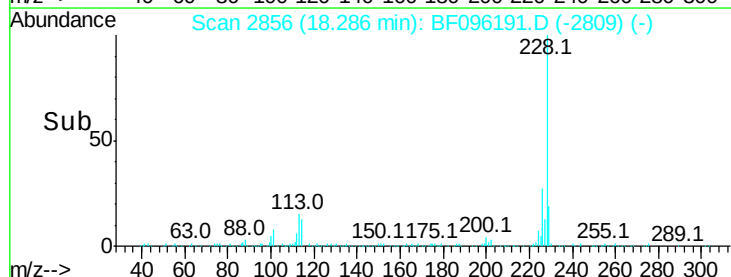
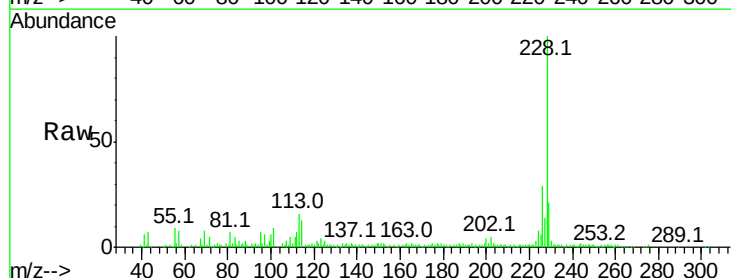
Manual Integrations
APPROVED

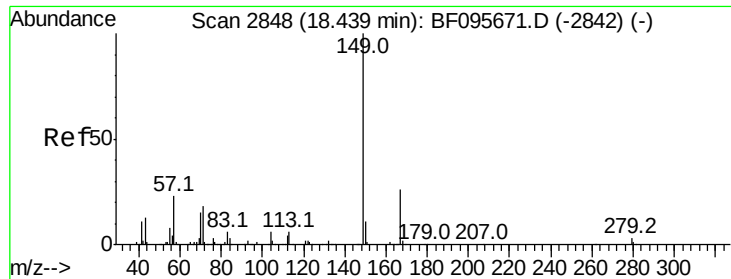
mohammad
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#82
Chrysene
Concen: 15.99 ng
RT: 18.29 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.9	37.3
229	20.7	15.8	23.6





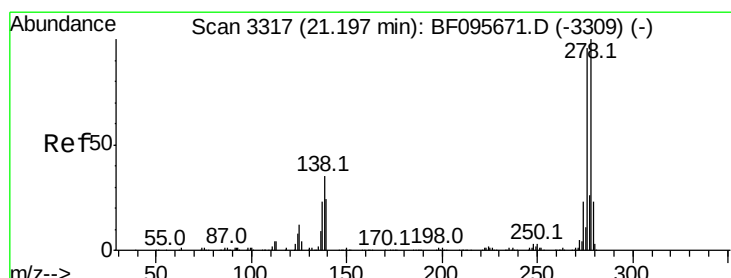
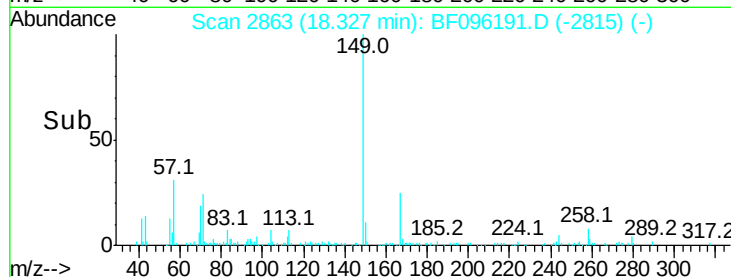
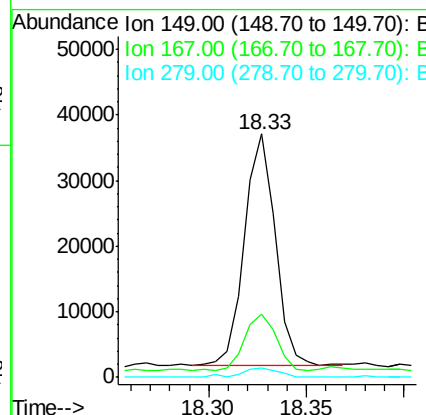
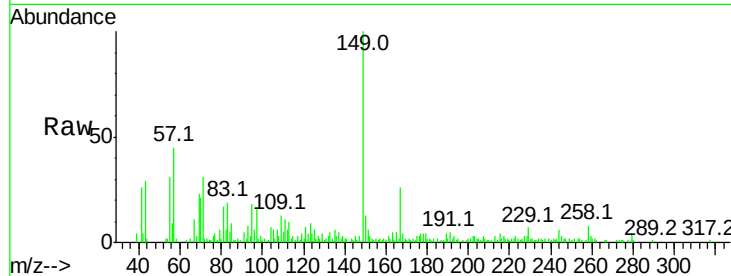
#83
Bis(2-ethylhexyl)phthalate
Concen: 6.10 ng
RT: 18.33 min Scan# 2863
Delta R.T. -0.02 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Instrument :
BNA_F
ClientSampleId :
G-37-1.5-3

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.0	31.4
279	3.8	1.9	2.9

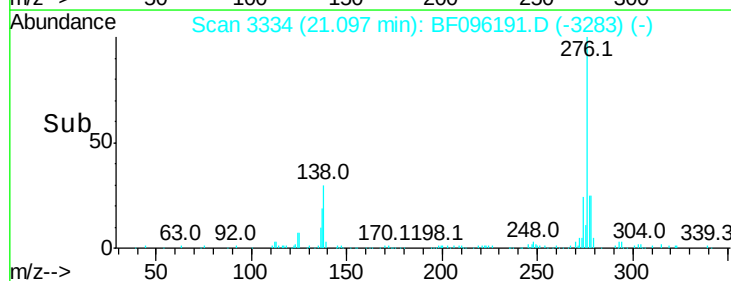
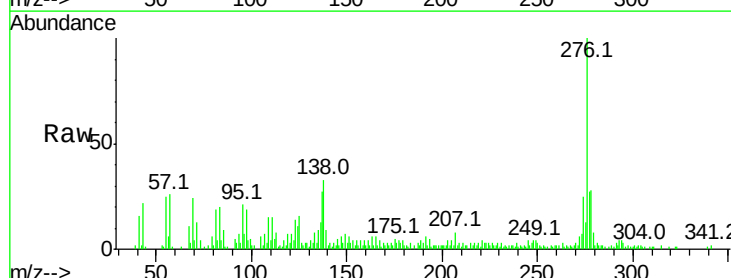
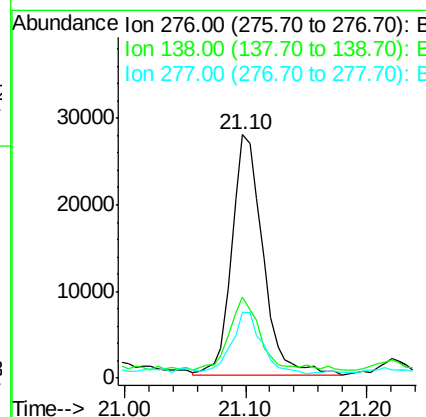
Manual Integrations
APPROVED

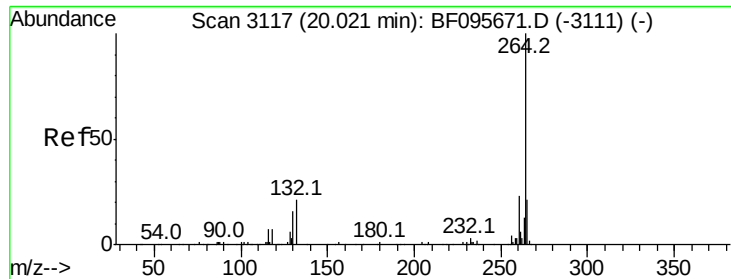
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.22 ng
RT: 21.10 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.9	27.8	41.6
277	24.6	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 19.93 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA_F

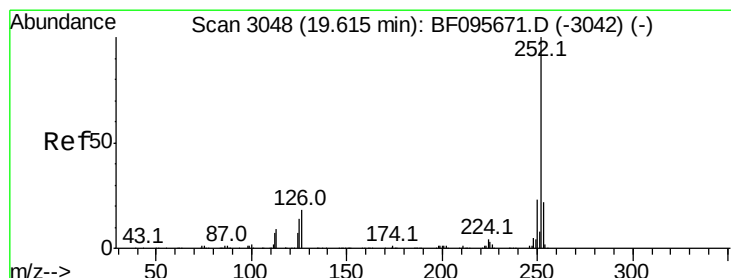
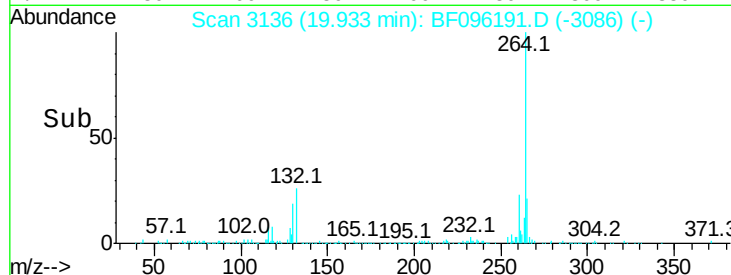
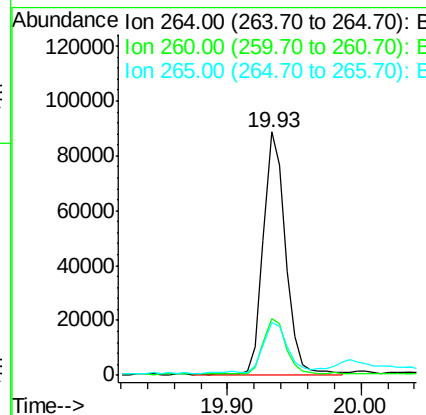
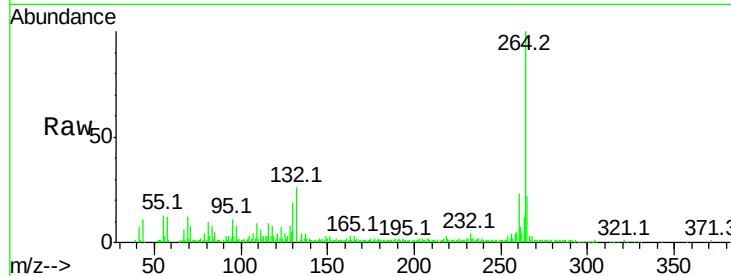
ClientSampleId :

G-37-1.5-3

Tot Ion:	264	Resp:	103199
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.5	29.3
265	21.7	17.2	25.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 25.66 ng m

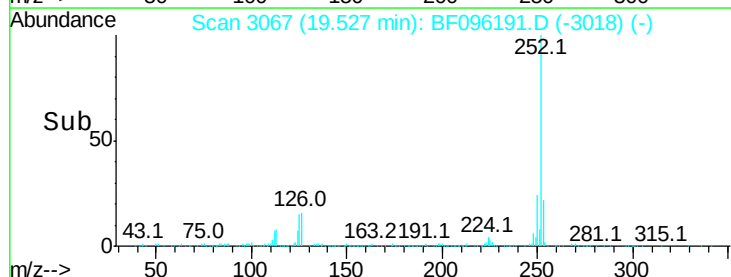
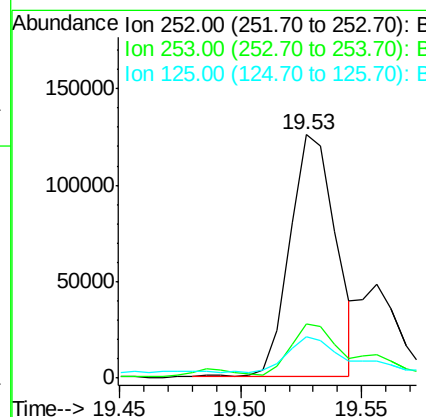
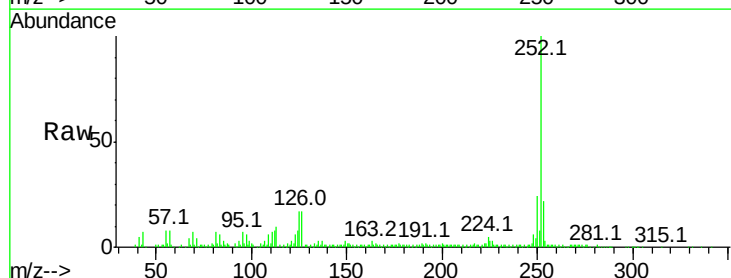
RT: 19.53 min Scan# 3067

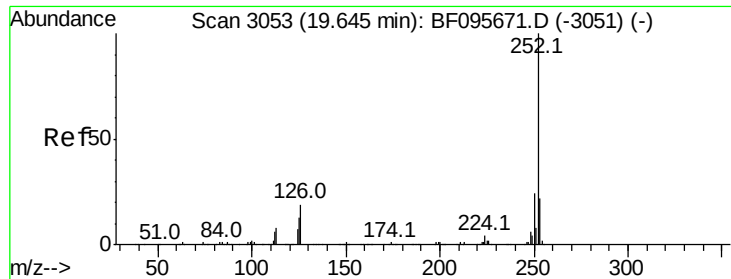
Delta R.T. -0.01 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Tgt Ion:	252	Resp:	165804
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	16.7	9.8	14.8#





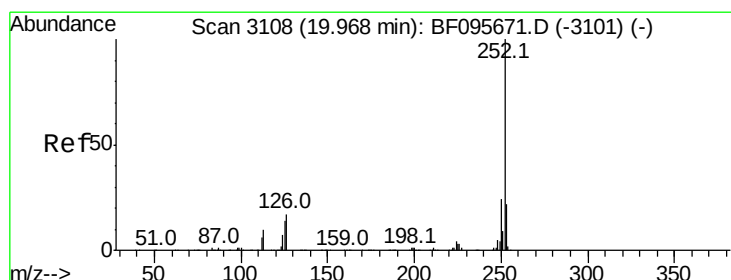
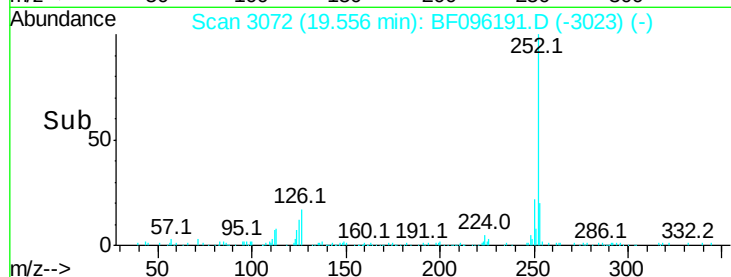
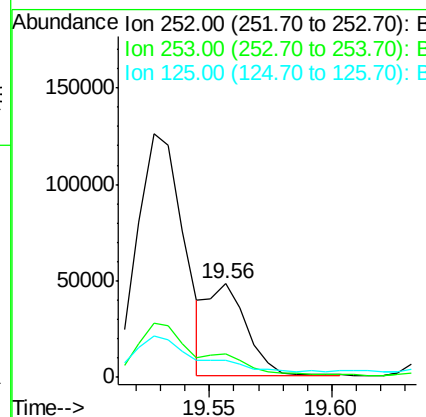
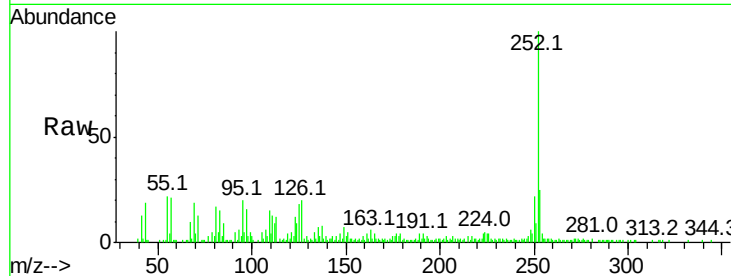
#88
Benzo(k)fluoranthene
Concen: 8.50 ng m
RT: 19.56 min Scan# 3072
Delta R.T. -0.01 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

Instrument :
BNA_F
ClientSampleId :
G-37-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	18.4	13.1	19.7

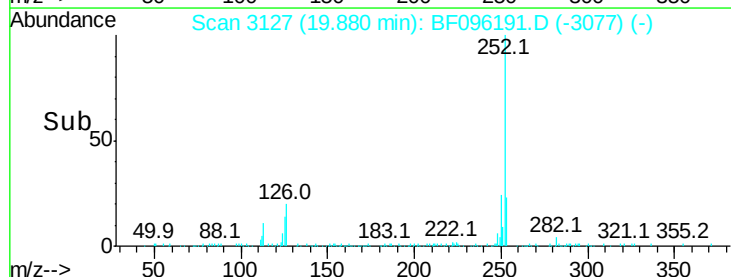
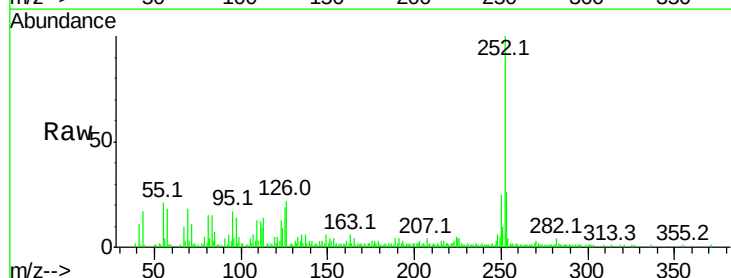
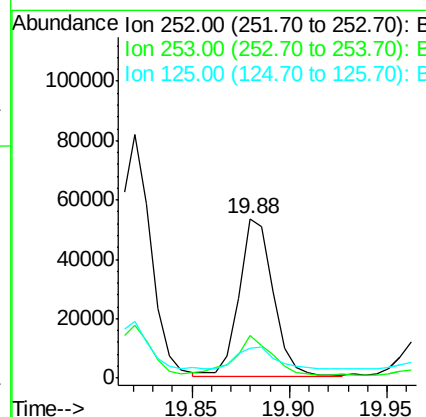
Manual Integrations
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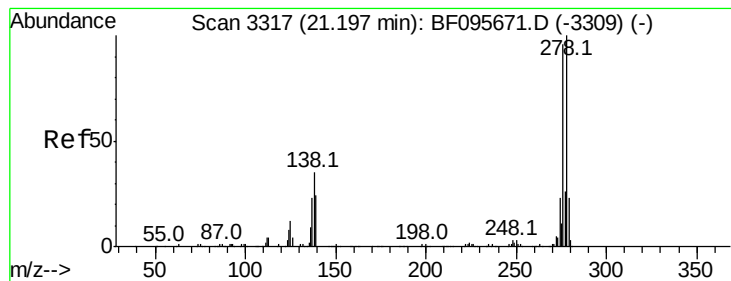
mohammad
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#89
Benzo(a)pyrene
Concen: 10.74 ng
RT: 19.88 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BF096191.D
Acq: 24 Jun 2017 15:37

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





#90

Dibenzo(a,h)anthracene

Concen: 3.82 ng

RT: 21.09 min Scan# 3332

Delta R.T. -0.01 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA_F

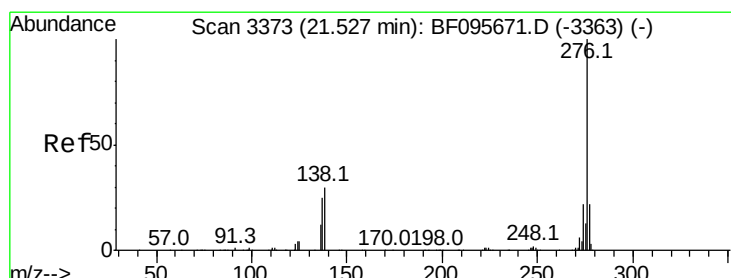
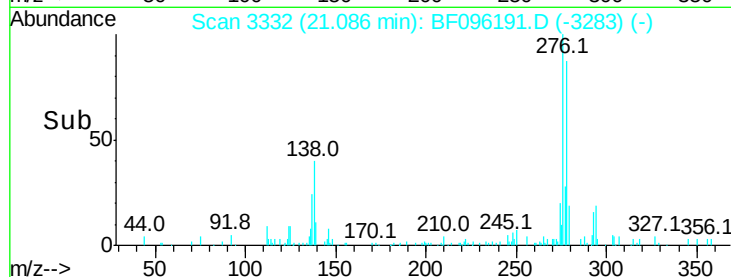
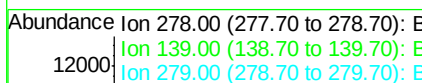
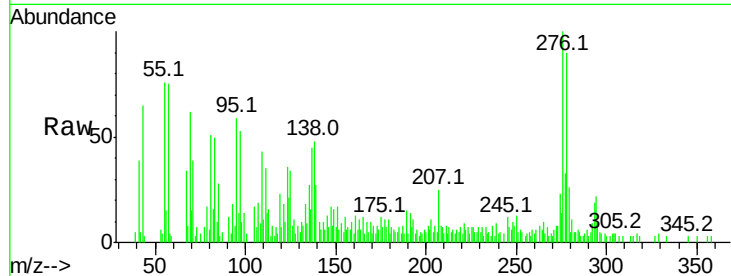
ClientSampleId :

G-37-1.5-3

Tot Ion:	278	Resp:	19230
Ion Ratio	Lower	Upper	
278	100		
139	29.5	16.6	24.8#
279	29.3	19.3	28.9#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 8.51 ng

RT: 21.43 min Scan# 3390

Delta R.T. 0.01 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Tgt Ion:	276	Resp:	43703
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.6	28.0
138	34.1	25.4	38.0

