

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
 Data File : BP002763.D
 Acq On : 15 Jul 2020 20:11
 Operator : CG/JU
 Sample : L3305-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-057-B

Manual Integrations
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mohammad
 7/16/2020 11:07:40 AM

Quant Time: Jul 16 01:34:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	157534	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	647456	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	377033	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	774934	20.00	ng	0.00
76) Chrysene-d12	21.08	240	576720	20.00	ng	0.00
86) Perylene-d12	23.27	264	547358	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	662404	70.94	ng	0.00
7) Phenol-d6	6.76	99	905890	67.98	ng	0.00
23) Nitrobenzene-d5	8.70	82	562091	46.43	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	220302	55.98	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1171623	48.07	ng	0.00
79) Terphenyl-d14	19.56	244	1320726	52.50	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.38	128	111800	3.271	ng	98
37) 2-Methylnaphthalene	12.00	142	66150	2.742	ng	98
38) 1-Methylnaphthalene	12.23	142	53026m	2.324	ng	
50) Dimethylphthalate	13.67	163	189457	6.589	ng	100
52) Acenaphthene	14.27	154	120511	5.603	ng	99
55) Dibenzofuran	14.62	168	178140	5.164	ng	97
58) Fluorene	15.27	166	223051	8.738	ng	96
71) Phenanthrene	17.02	178	1486354	35.425	ng	99
72) Anthracene	17.10	178	458283	11.131	ng	99
73) Carbazole	17.38	167	112761	2.791	ng	98
75) Fluoranthene	19.00	202	1449283	29.810	ng	98
78) Pyrene	19.35	202	1213296	30.470	ng	99
81) Benzo(a)anthracene	21.06	228	500805	13.415	ng	98
83) Chrysene	21.12	228	415438m	11.690	ng	
87) Indeno(1,2,3-cd)pyrene	25.49	276	219239	5.542	ng	96
88) Benzo(b)fluoranthene	22.62	252	472750m	13.909	ng	
89) Benzo(k)fluoranthene	22.66	252	144926m	4.329	ng	
90) Benzo(a)pyrene	23.18	252	355871	11.049	ng	# 94
92) Benzo(a,h,i)perylene	26.16	276	218717	6.761	ng	94

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

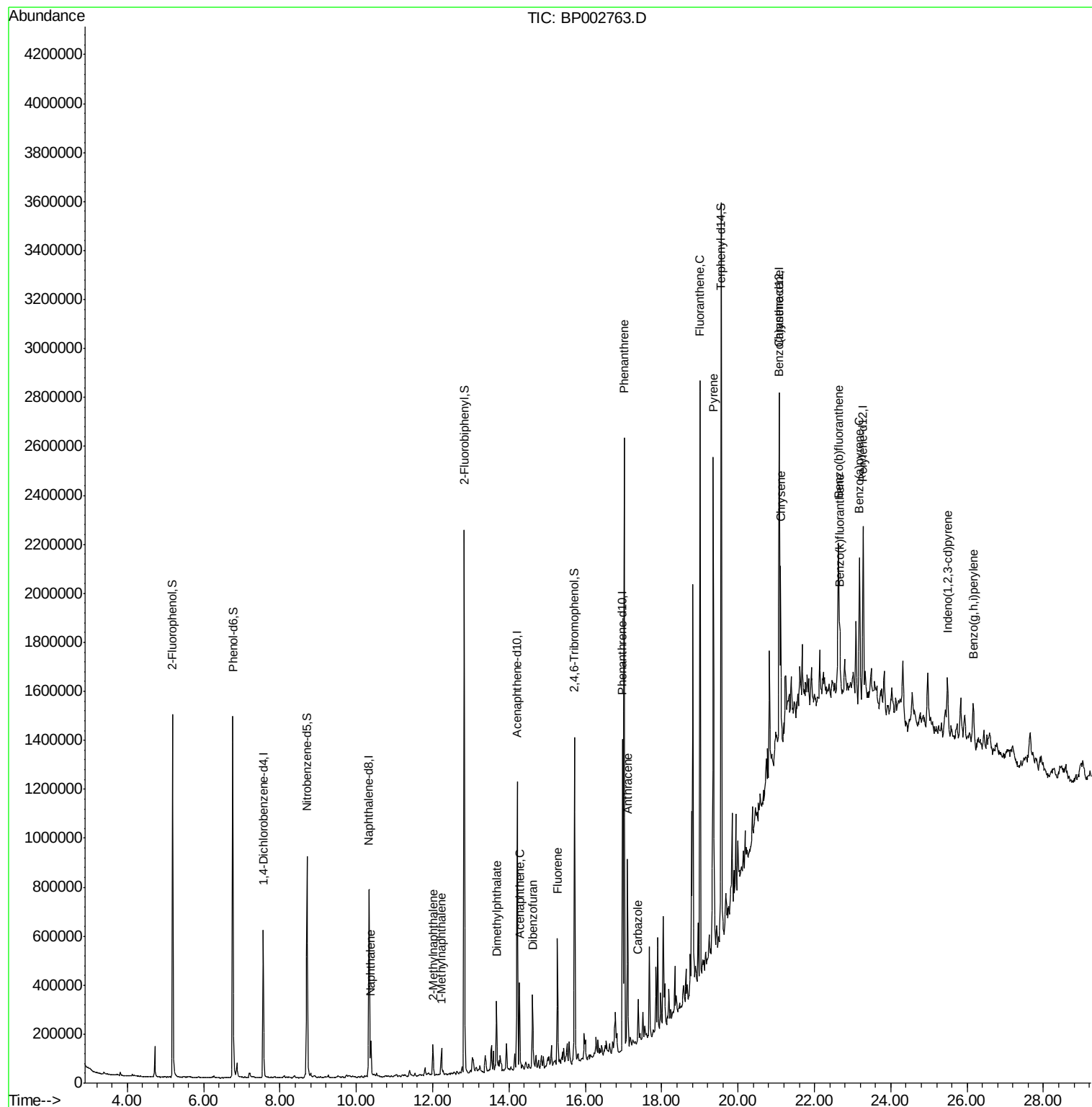
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
Data File : BP002763.D
Acq On : 15 Jul 2020 20:11
Operator : CG/JU
Sample : L3305-03
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ALS Vial : 15 Sample Multiplier: 1

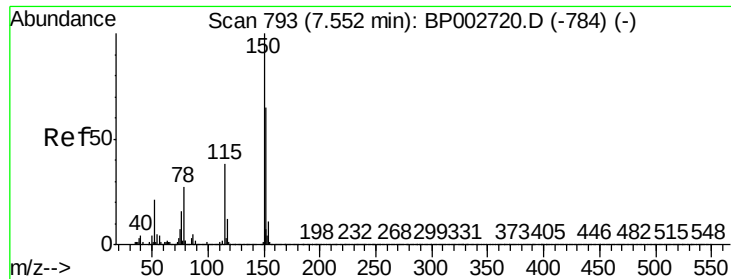
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-057-B

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Quant Time: Jul 16 01:34:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 10:54:03 2020
Response via : Initial Calibration





#1

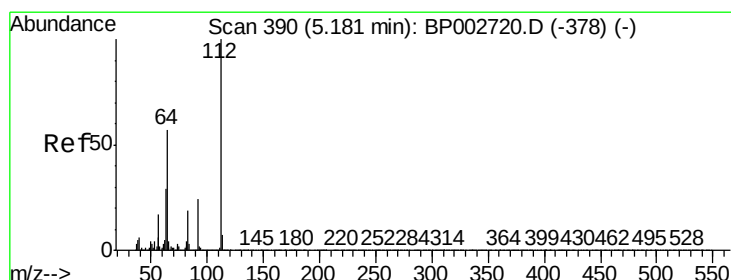
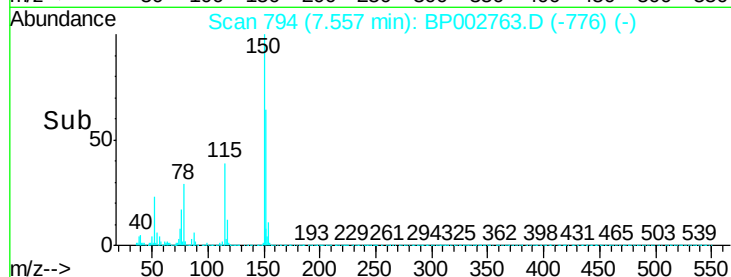
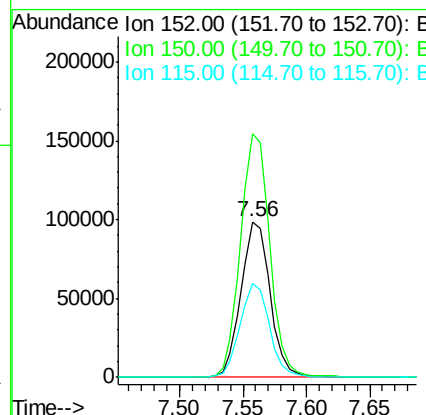
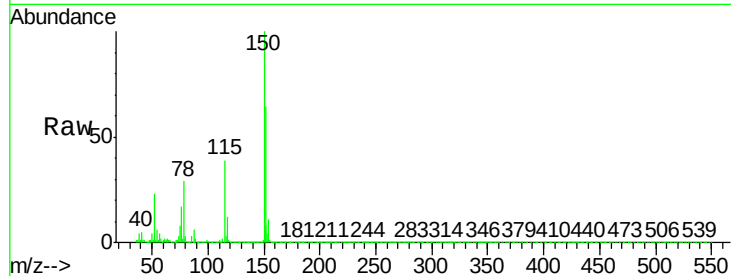
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 794
Delta R.T. 0.01 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	123.7	185.5
115	60.7	47.2	70.8

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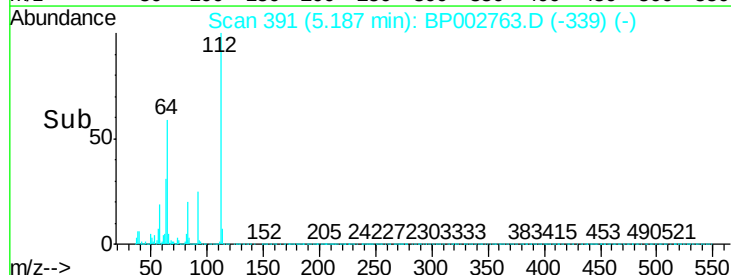
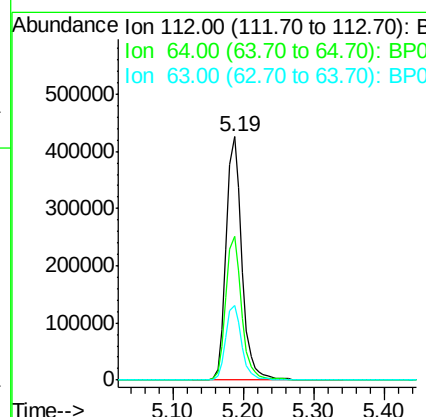
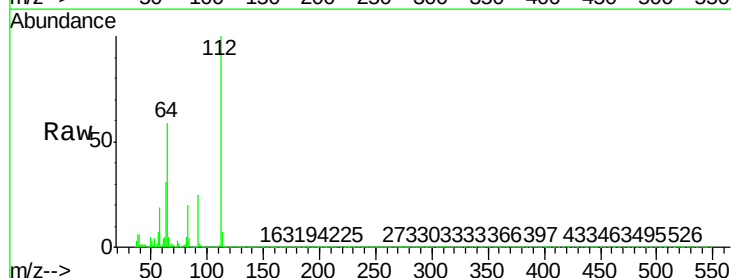
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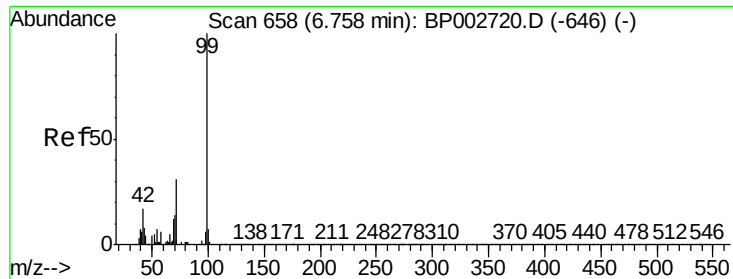


#5

2-Fluorophenol
Concen: 70.943 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	45.6	68.4
63	30.6	23.5	35.3





#7

Phenol-d6

Concen: 67.981 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002763.D

Acq: 15 Jul 2020 20:11

Instrument :

BNA_P

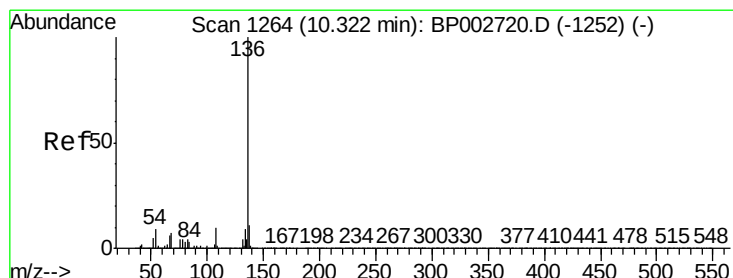
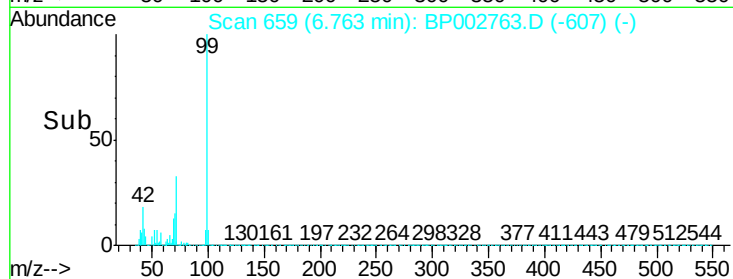
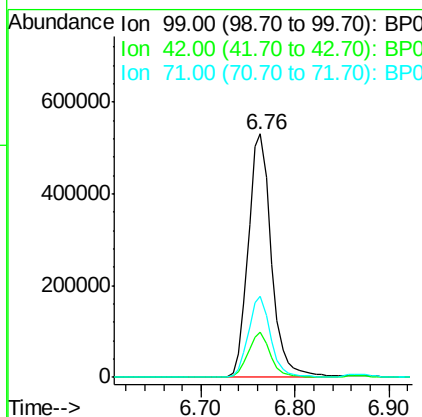
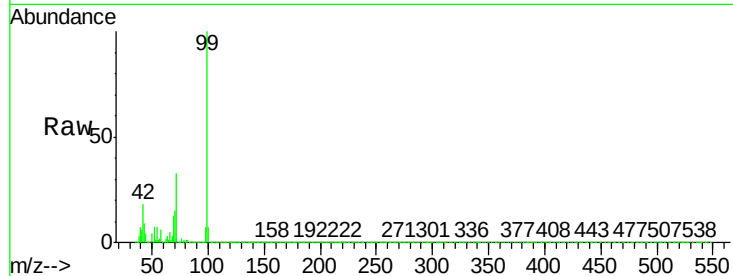
ClientSampleId :

FK-GF-02-057-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		905890		
42	18.4	13.4	20.2		
71	33.1	24.6	36.8		

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#21

Naphthalene-d8

Concen: 20.000 ng

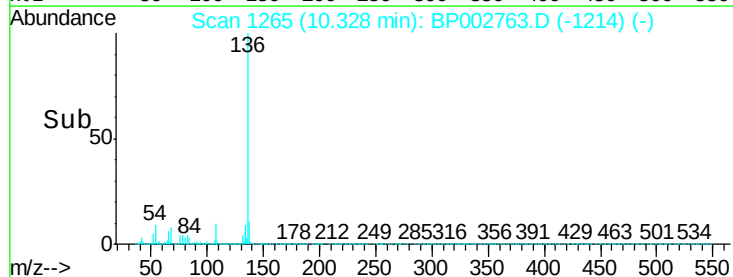
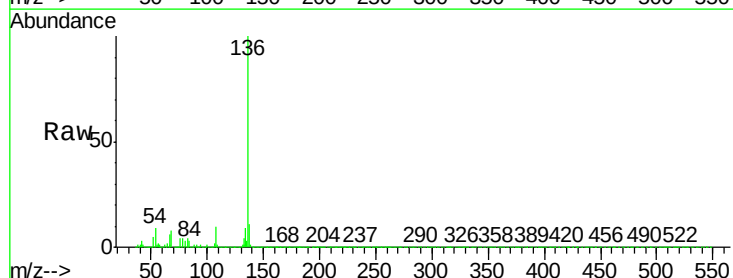
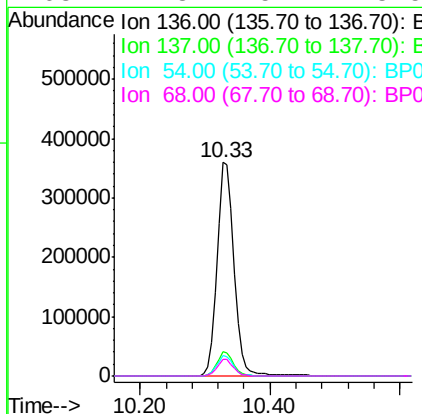
RT: 10.33 min Scan# 1265

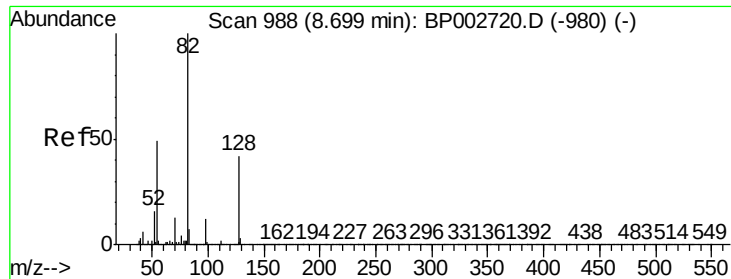
Delta R.T. 0.00 min

Lab File: BP002763.D

Acq: 15 Jul 2020 20:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		647456		
137	11.3	8.6	13.0		
54	9.4	6.9	10.3		
68	7.8	5.7	8.5		





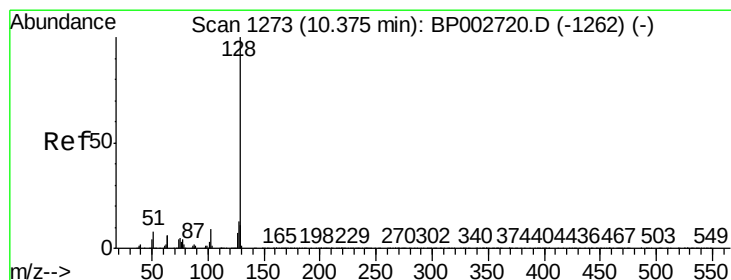
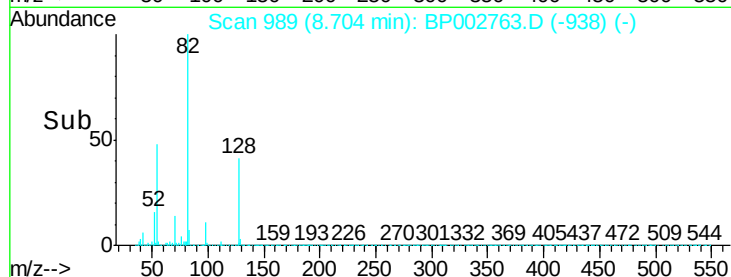
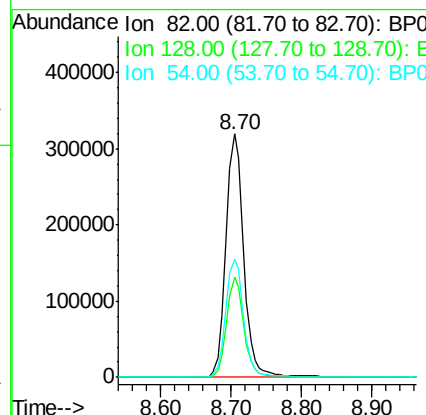
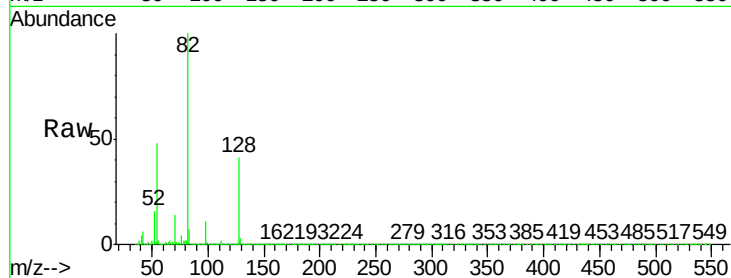
#23
Nitrobenzene-d5
Concen: 46.432 ng
RT: 8.70 min Scan# 989
Delta R.T. 0.00 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-057-B

Tot Ion	82	Resp	562091
Ion Ratio	Lower	Upper	
82	100		
128	41.4	33.8	50.8
54	48.4	38.8	58.2

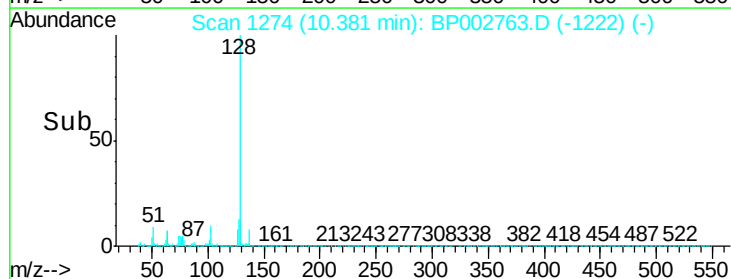
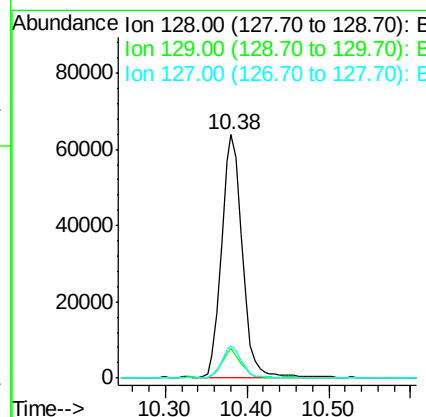
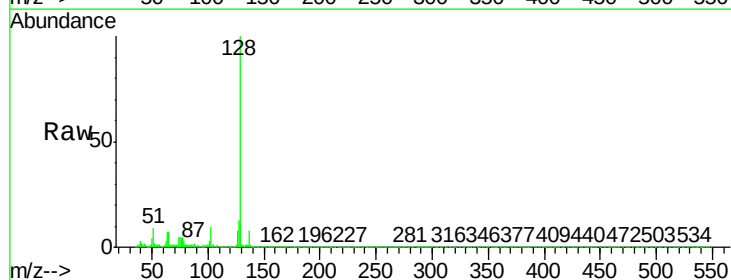
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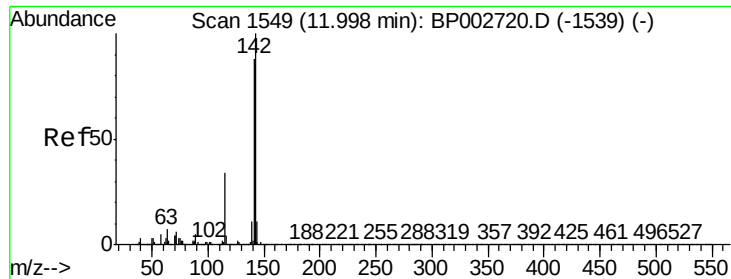
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#31
Naphthalene
Concen: 3.271 ng
RT: 10.38 min Scan# 1274
Delta R.T. 0.01 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Tgt Ion	128	Resp	111800
Ion Ratio	Lower	Upper	
128	100		
129	12.2	8.6	13.0
127	13.2	10.6	15.8





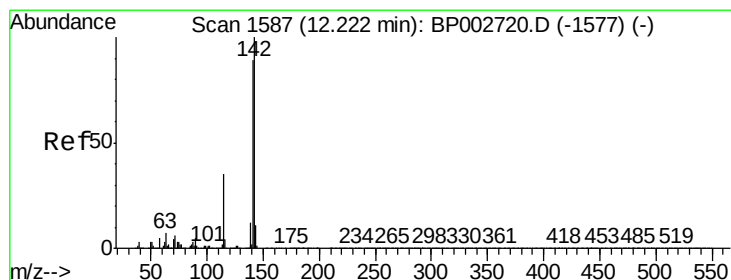
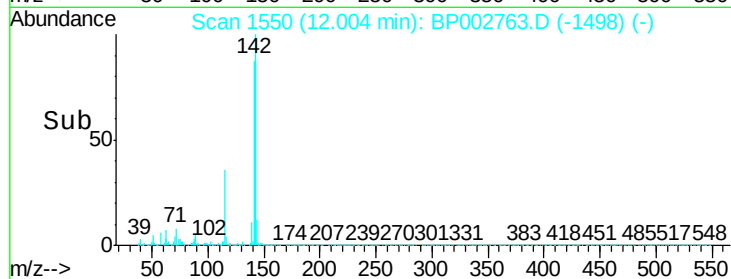
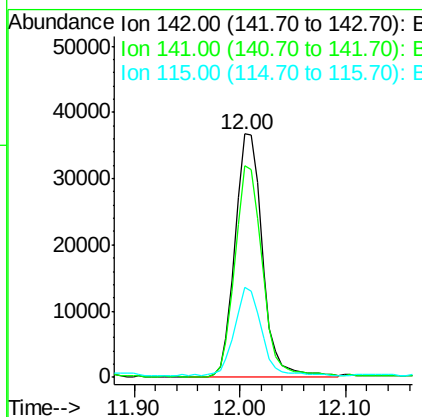
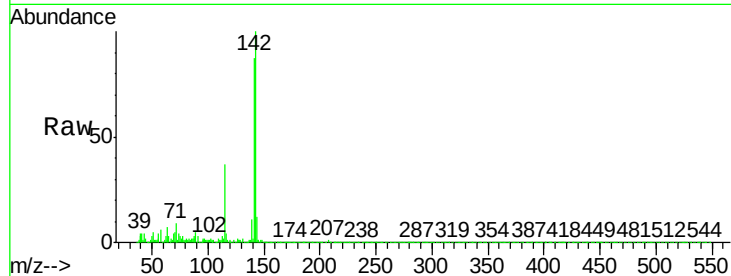
#37
2-Methylnaphthalene
Concen: 2.742 ng
RT: 12.00 min Scan# 1550
Delta R.T. 0.01 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.4	105.6
115	36.8	27.0	40.6

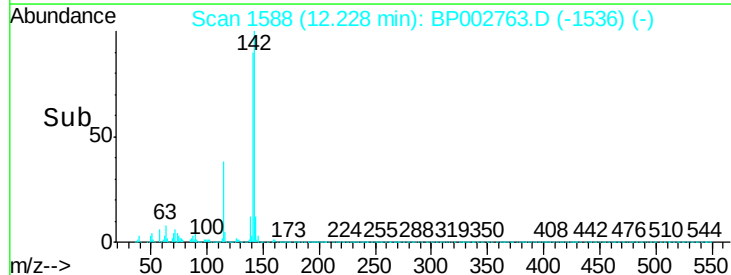
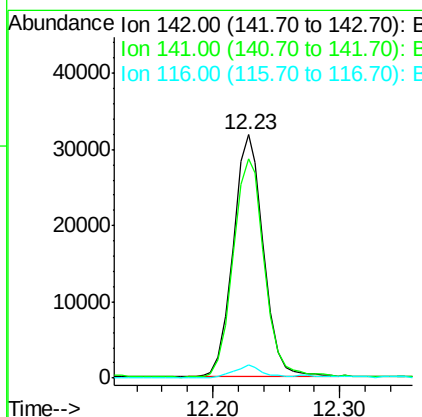
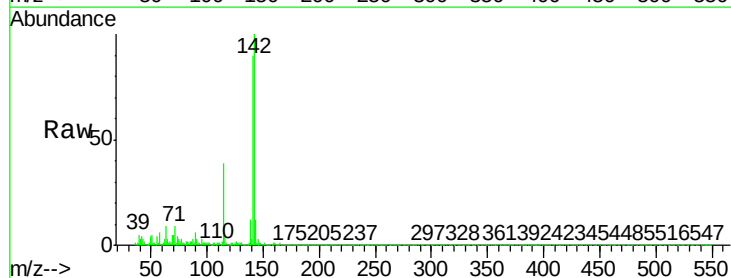
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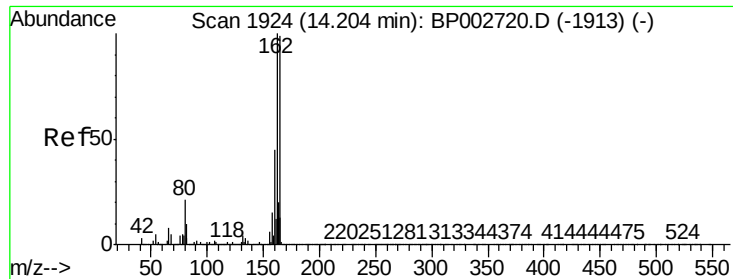
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#38
1-Methylnaphthalene
Concen: 2.324 ng m
RT: 12.23 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.5	107.3
116	5.2	2.9	4.3





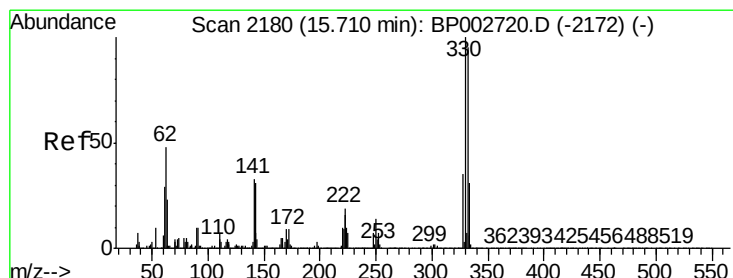
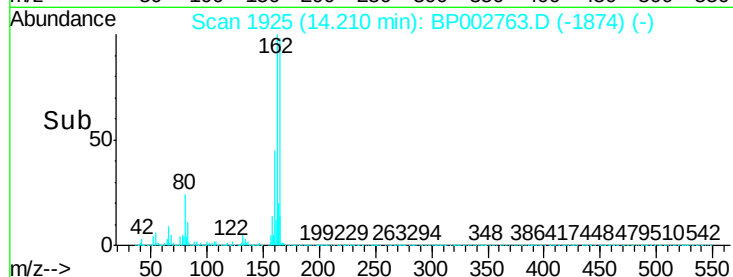
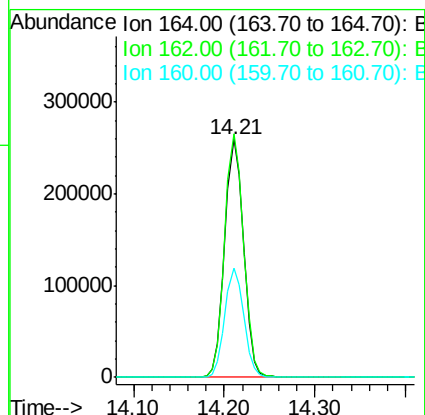
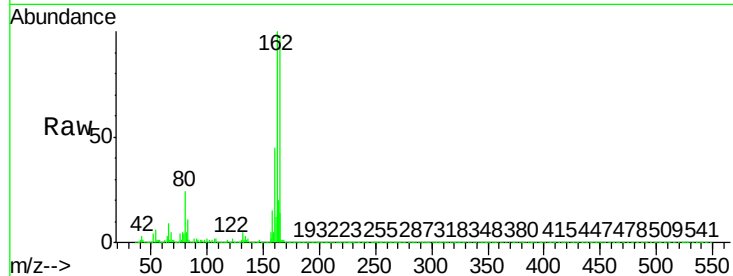
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.21 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.6	121.0
160	46.1	36.4	54.6

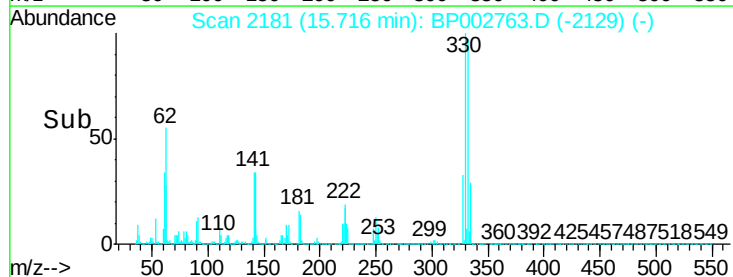
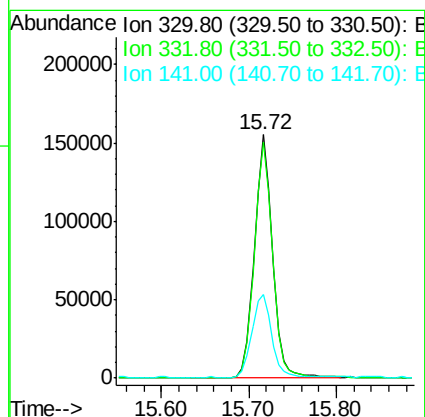
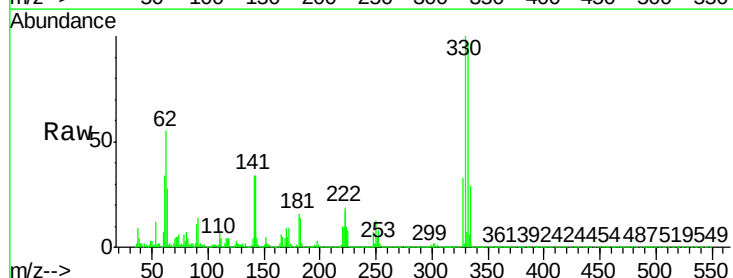
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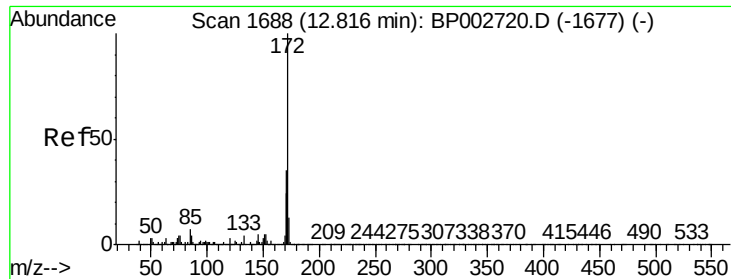
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#42
2,4,6-Tribromophenol
Concen: 55.976 ng
RT: 15.72 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.5	114.7
141	36.6	28.8	43.2





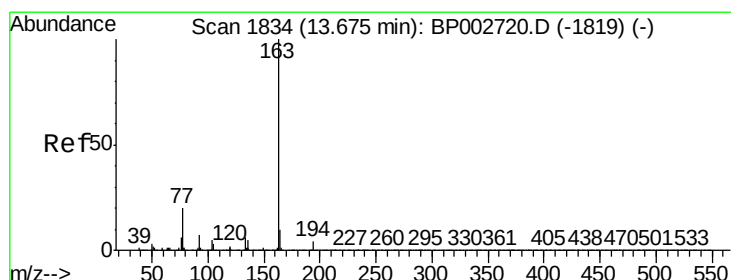
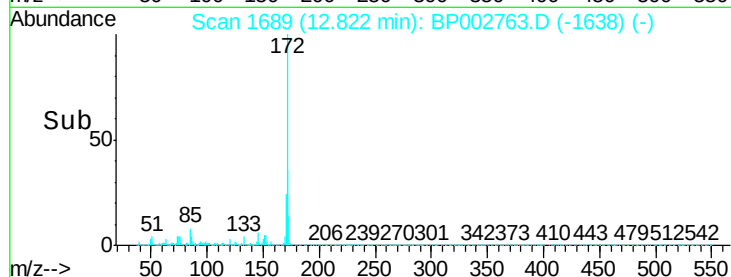
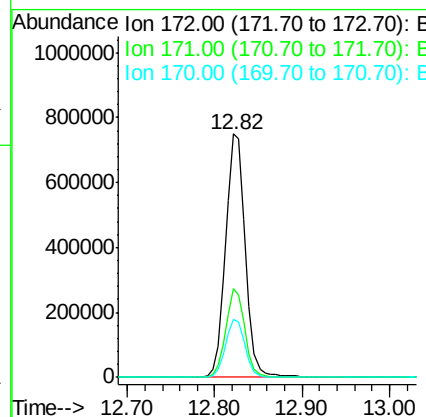
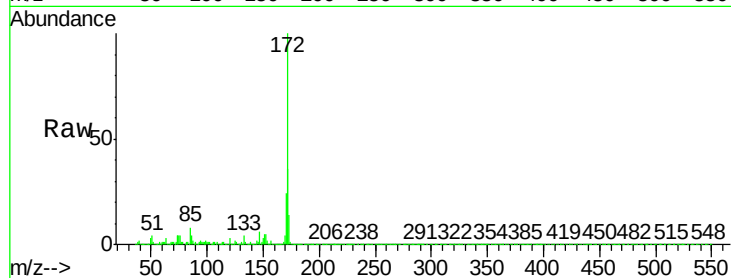
#45
2-Fluorobiphenyl
Concen: 48.072 ng
RT: 12.82 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.1	42.1
170	23.8	19.3	28.9

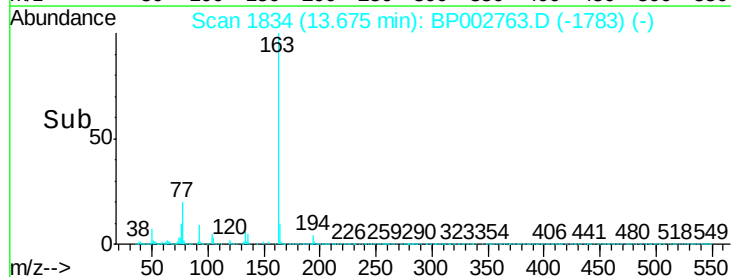
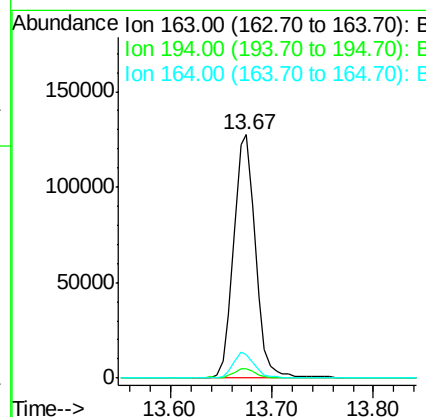
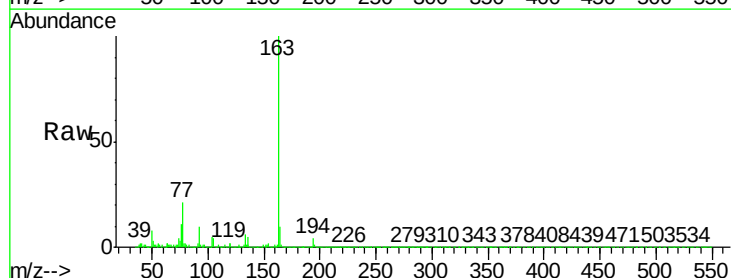
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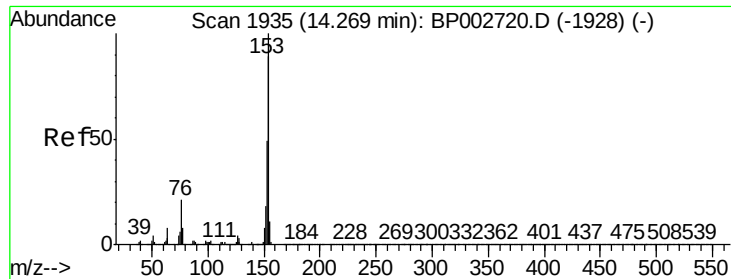
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#50
Dimethylphthalate
Concen: 6.589 ng
RT: 13.67 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.2
164	9.7	7.8	11.8





#52

Acenaphthene

Concen: 5.603 ng

RT: 14.27 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BP002763.D

Acq: 15 Jul 2020 20:11

Instrument :

BNA_P

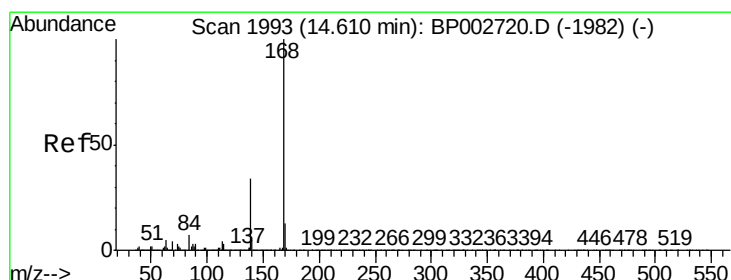
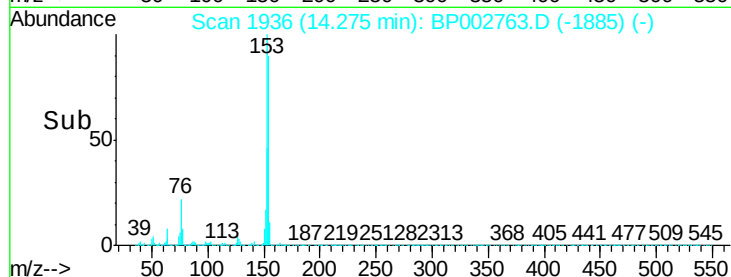
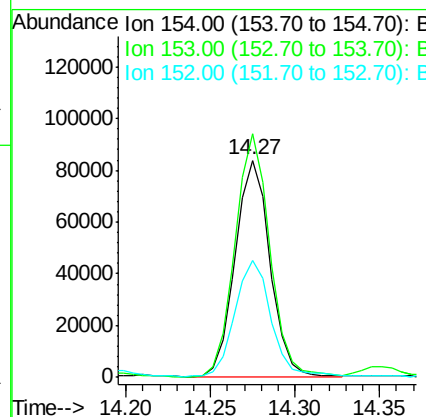
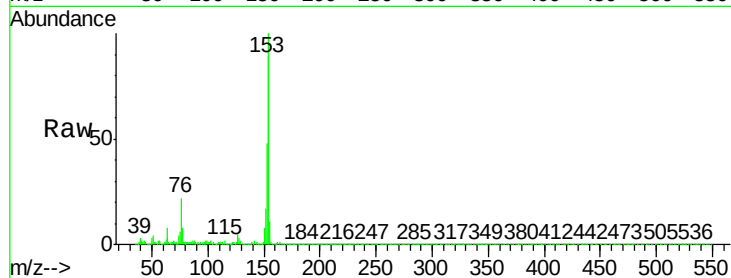
ClientSampleId :

FK-GF-02-057-B

Tot Ion:	154	Resp:	120511
Ion Ratio	Lower	Upper	
154	100		
153	112.0	90.1	135.1
152	54.0	43.8	65.6

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#55

Dibenzofuran

Concen: 5.164 ng

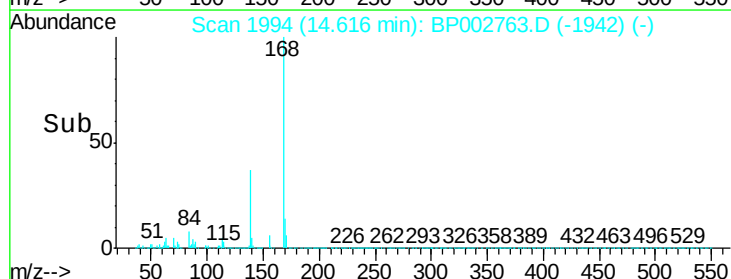
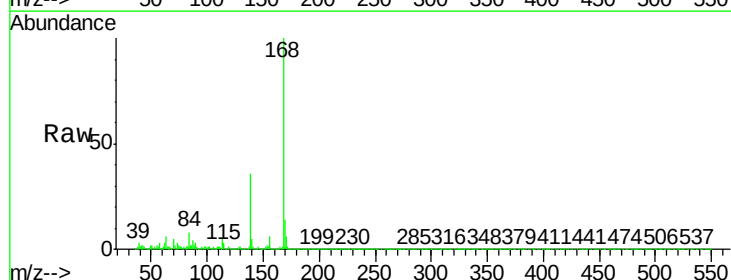
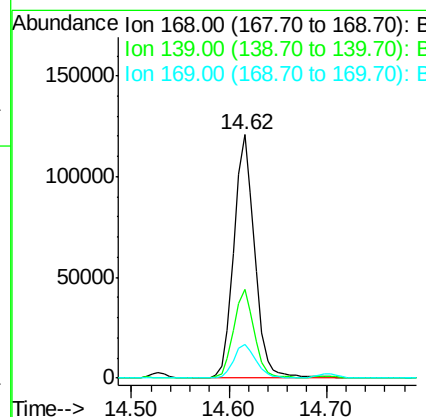
RT: 14.62 min Scan# 1994

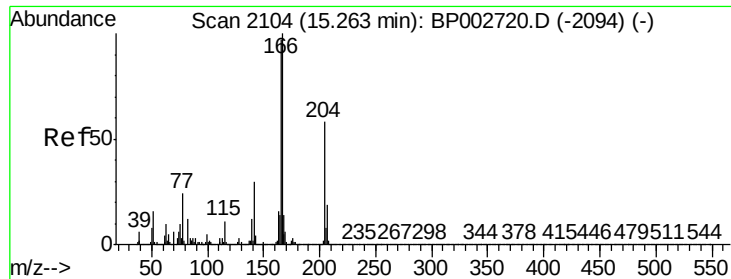
Delta R.T. 0.01 min

Lab File: BP002763.D

Acq: 15 Jul 2020 20:11

Tgt Ion:	168	Resp:	178140
Ion Ratio	Lower	Upper	
168	100		
139	36.3	27.1	40.7
169	13.9	10.8	16.2





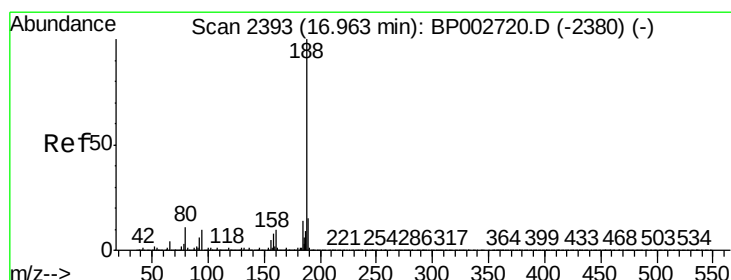
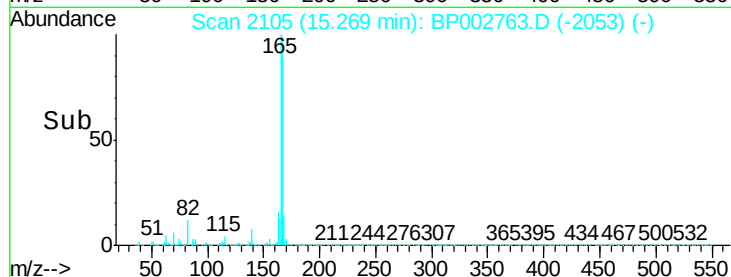
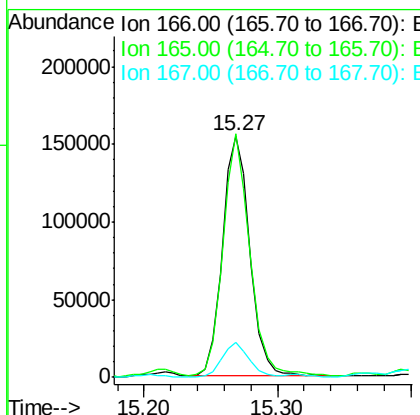
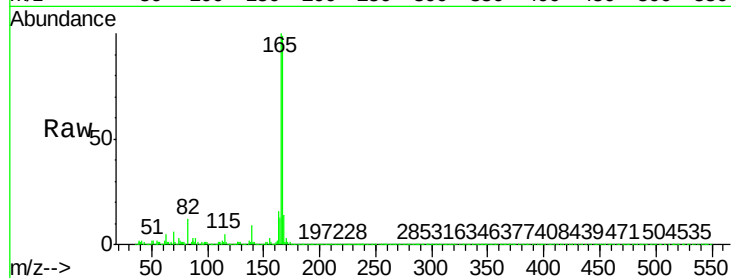
#58
Fluorene
Concen: 8.738 ng
RT: 15.27 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.7	116.5
167	14.6	11.0	16.6

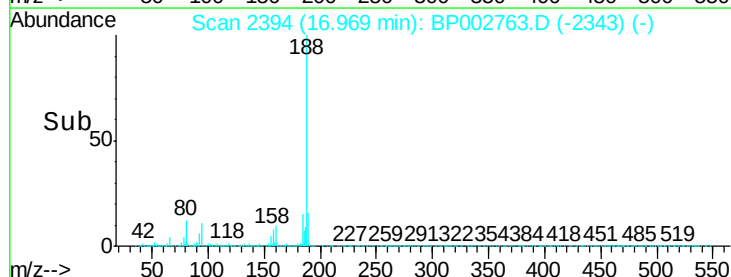
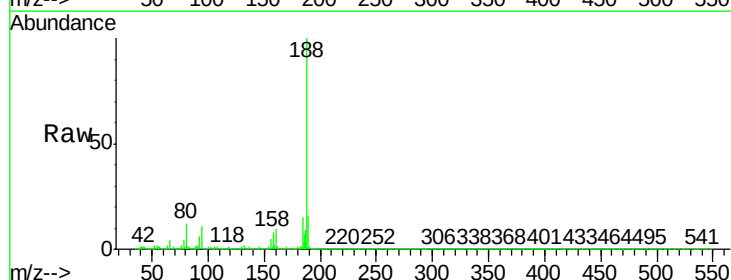
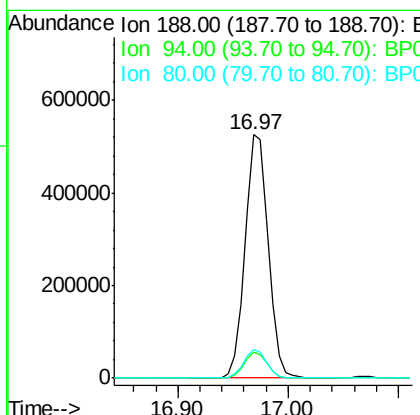
Manual Integrations
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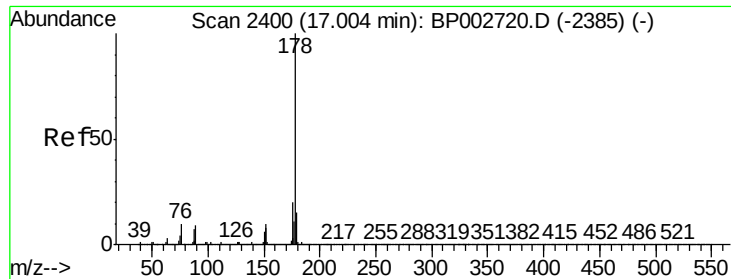
mohammad
7/16/2020 11:07:40 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2394
Delta R.T. 0.00 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.1	12.1
80	11.9	8.9	13.3





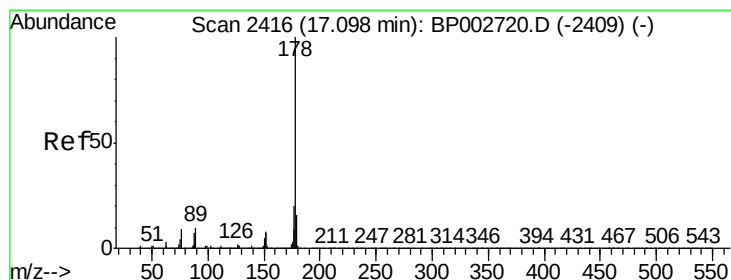
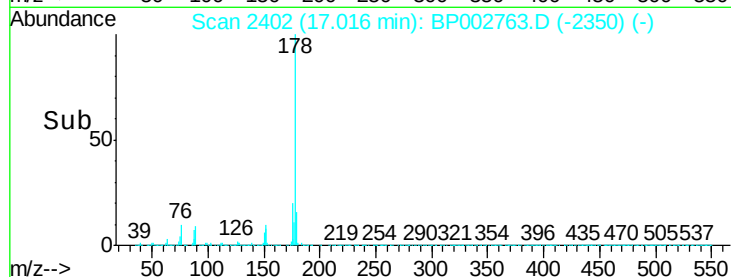
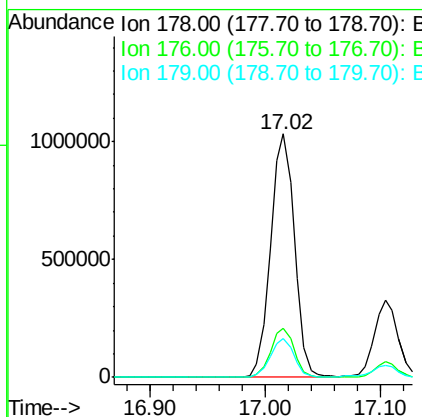
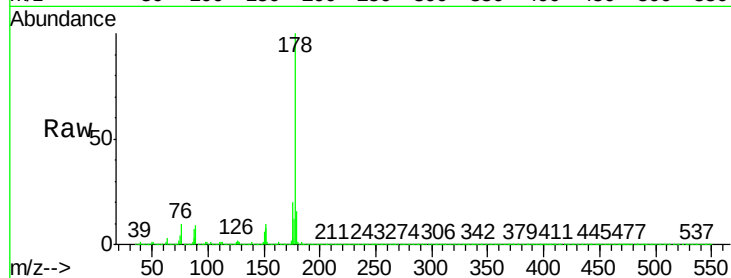
#71
Phenanthrene
Concen: 35.425 ng
RT: 17.02 min Scan# 2402
Delta R.T. 0.01 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.8	12.3	18.5

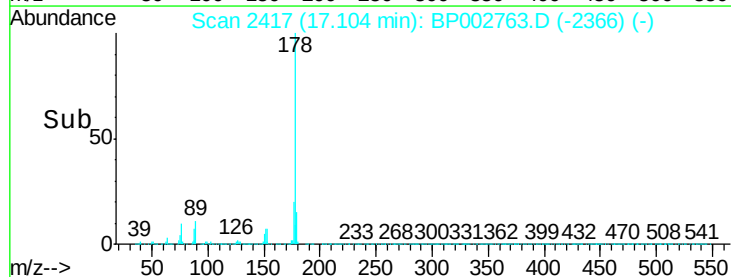
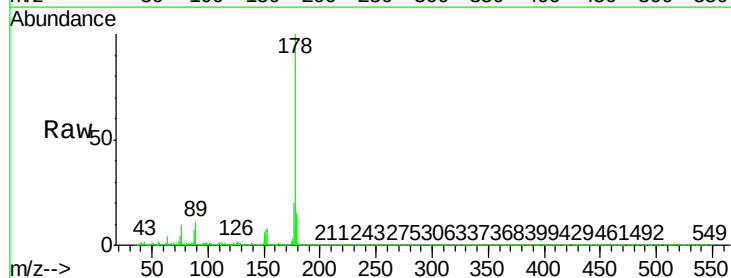
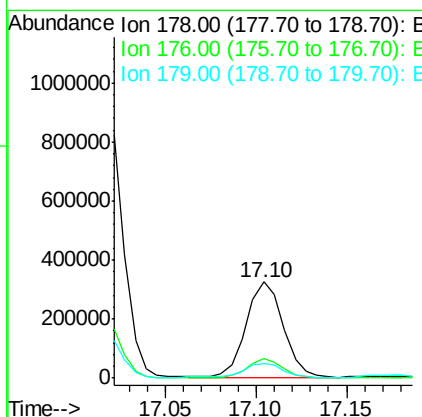
Manual Integrations
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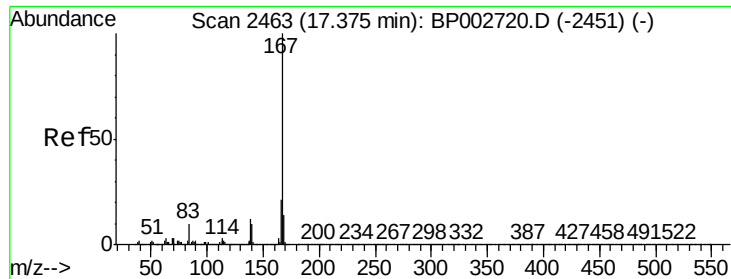
mohammad
7/16/2020 11:07:40 AM



#72
Anthracene
Concen: 11.131 ng
RT: 17.10 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.6	23.4
179	15.2	12.6	19.0





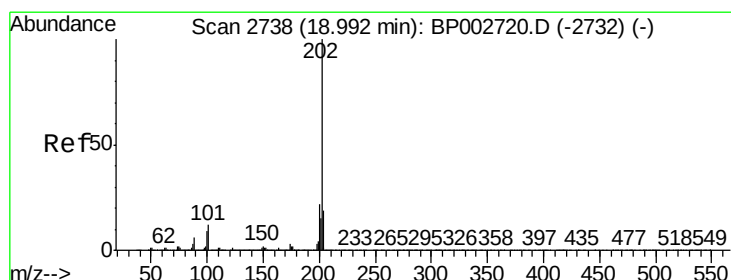
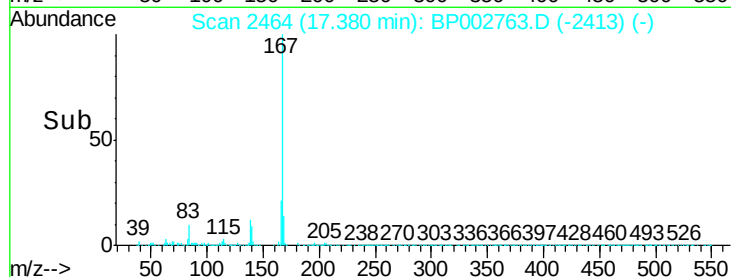
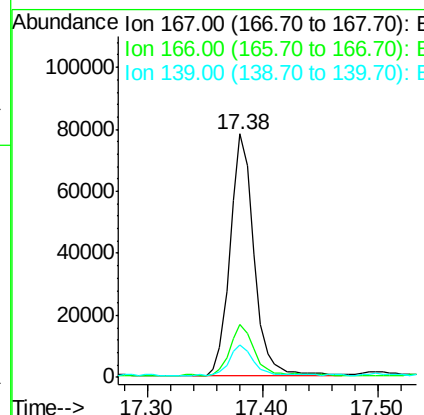
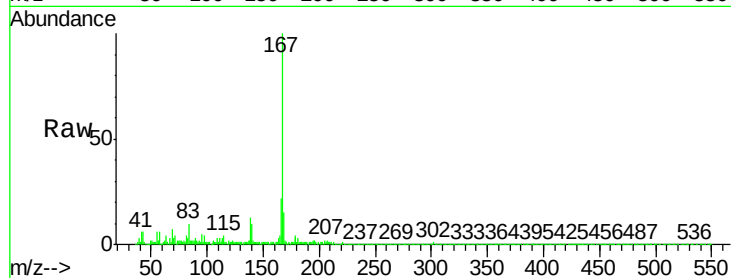
#73
 Carbazole
 Concen: 2.791 ng
 RT: 17.38 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BP002763.D
 Acq: 15 Jul 2020 20:11

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.1	25.7
139	13.2	9.6	14.4

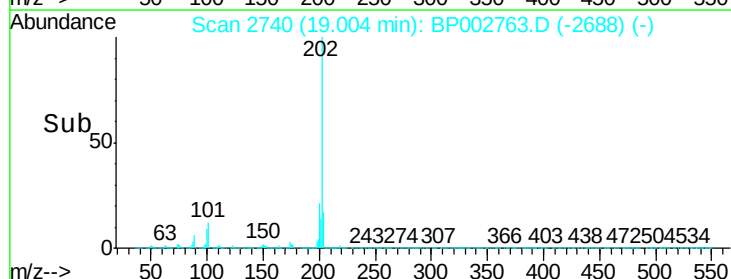
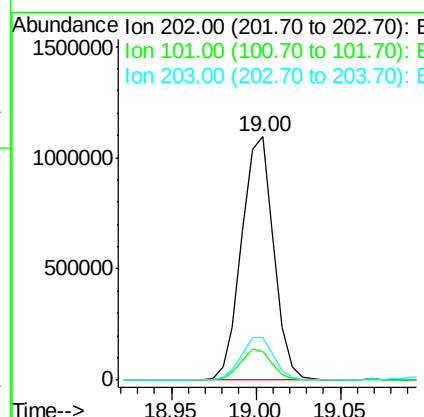
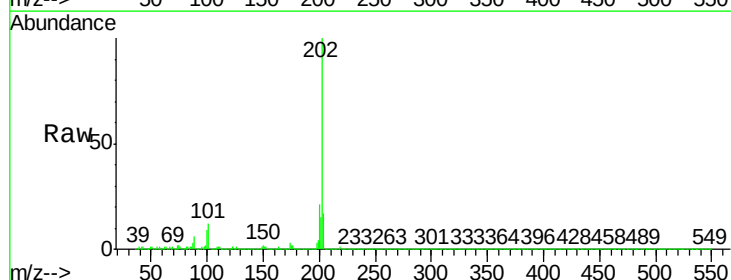
Manual Integrations
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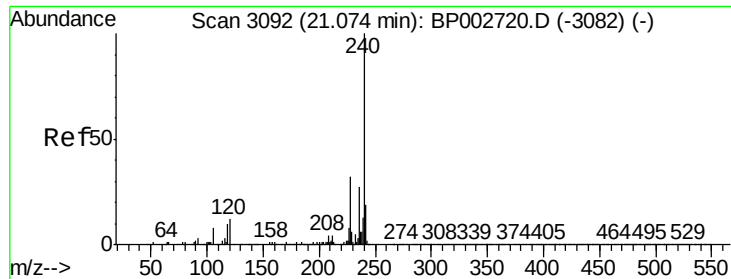
mohammad
 7/16/2020 11:07:40 AM



#75
 Fluoranthene
 Concen: 29.810 ng
 RT: 19.00 min Scan# 2740
 Delta R.T. 0.01 min
 Lab File: BP002763.D
 Acq: 15 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.5
203	17.5	0.0	38.6





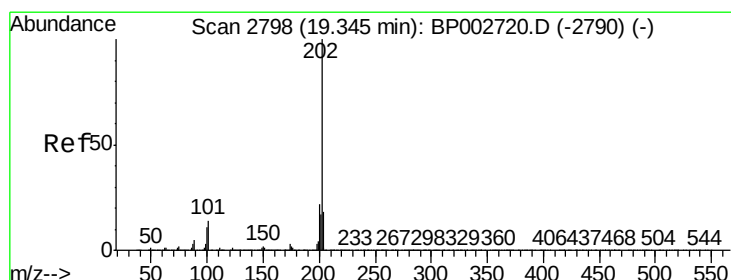
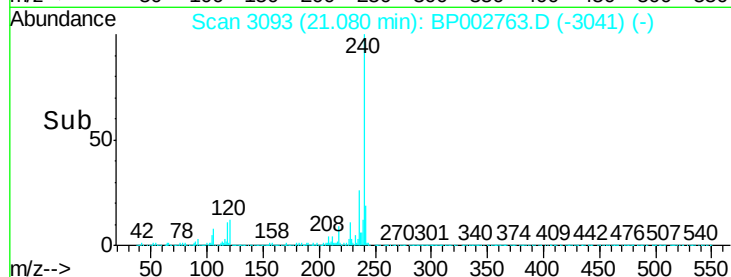
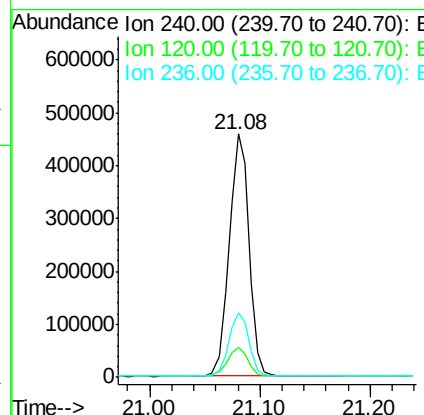
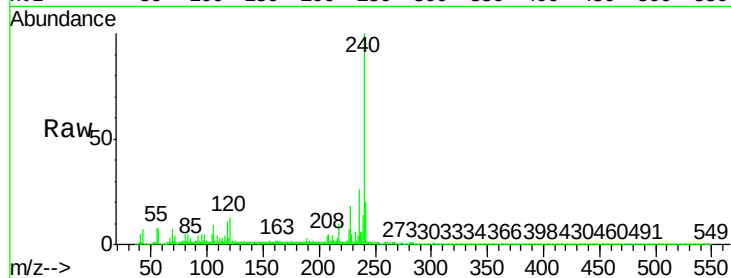
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.4	14.2
236	26.4	21.3	31.9

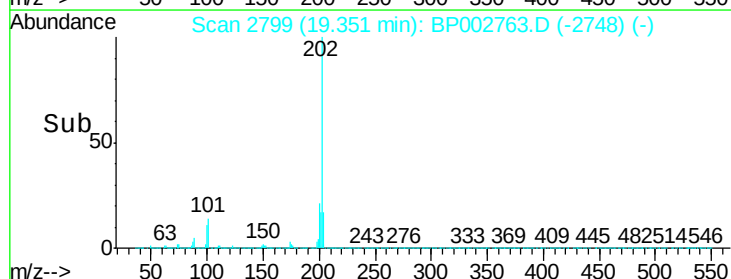
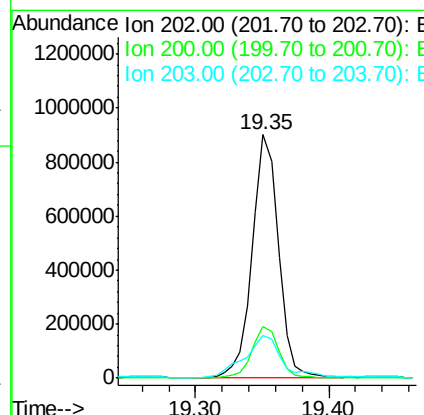
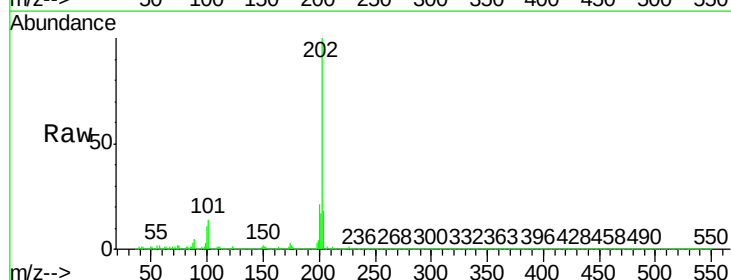
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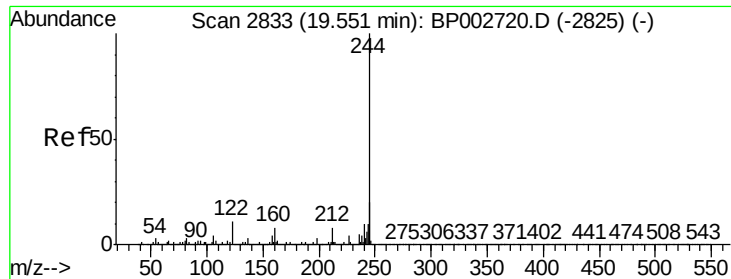
mohammad
7/16/2020 11:07:40 AM



#78
Pyrene
Concen: 30.470 ng
RT: 19.35 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.7	14.5	21.7





#79

Terphenyl-d14

Concen: 52.505 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002763.D

Acq: 15 Jul 2020 20:11

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-057-B

Tot Ion:244 Resp: 1320726

Ion Ratio Lower Upper

244 100

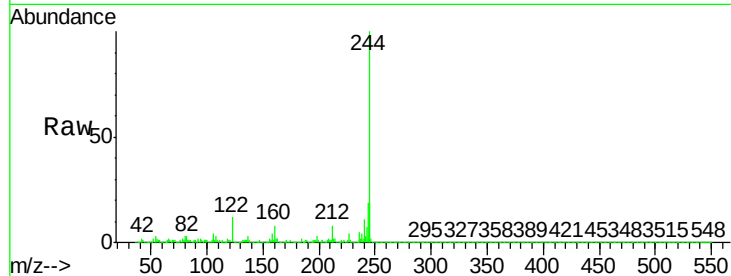
212 7.7 6.0 9.0

122 11.8 8.9 13.3

Manual Integrations
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mohammad

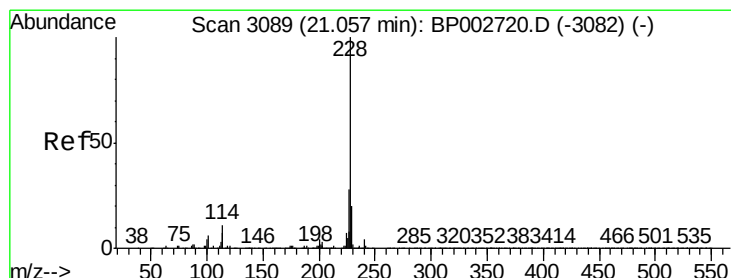
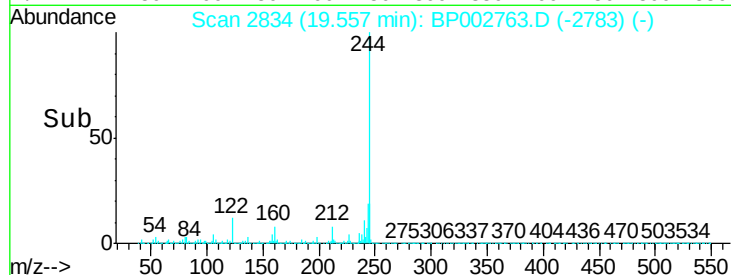
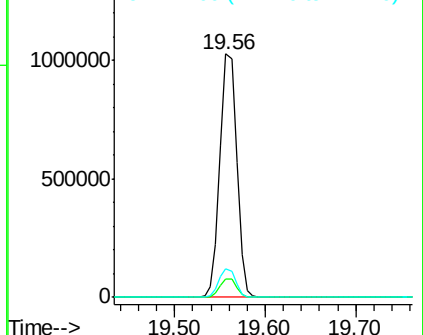
7/16/2020 11:07:40 AM



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



#81

Benzo(a)anthracene

Concen: 13.415 ng

RT: 21.06 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BP002763.D

Acq: 15 Jul 2020 20:11

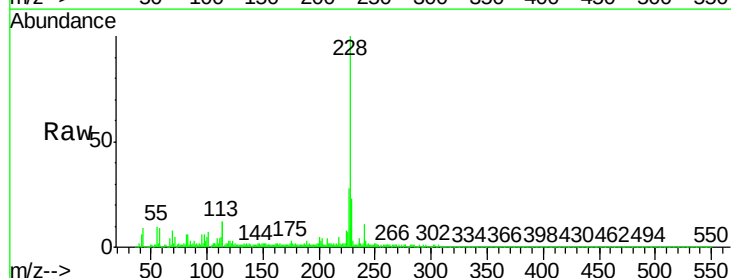
Tgt Ion:228 Resp: 500805

Ion Ratio Lower Upper

228 100

226 28.3 22.6 34.0

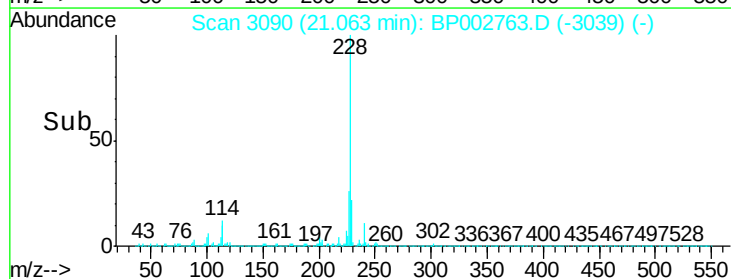
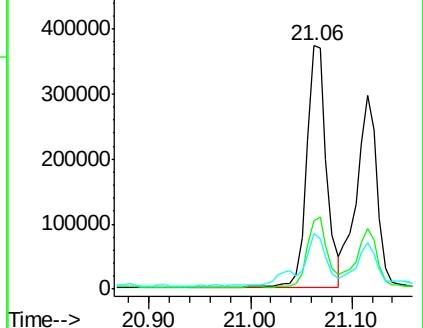
229 22.7 16.0 24.0

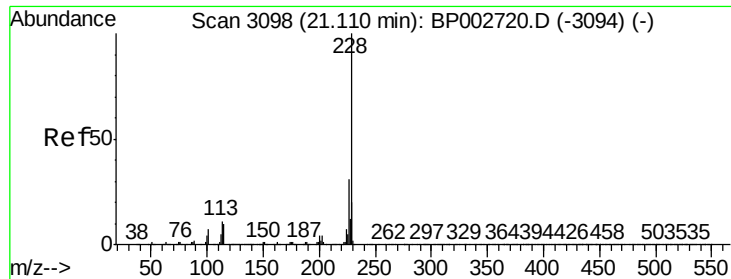


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





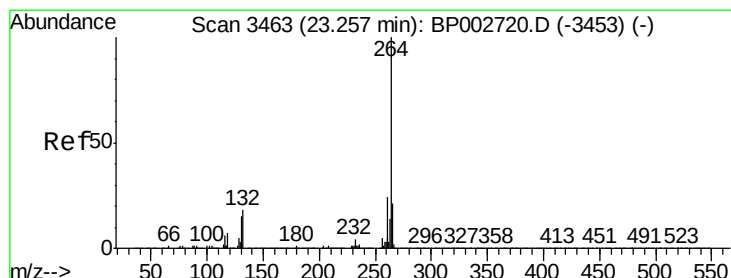
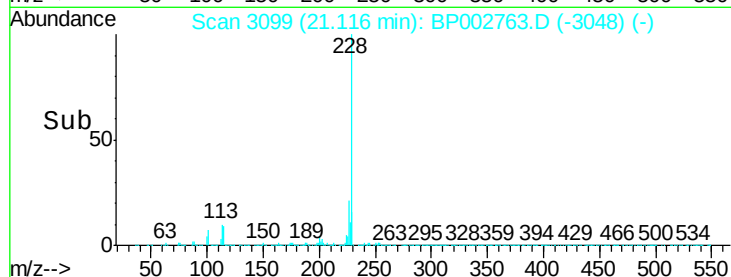
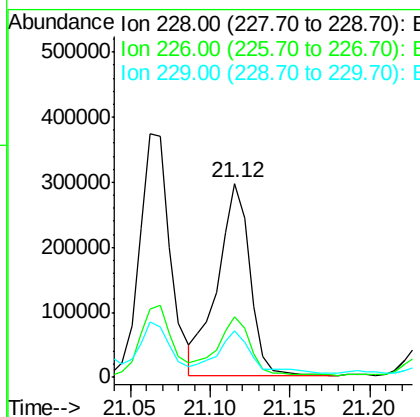
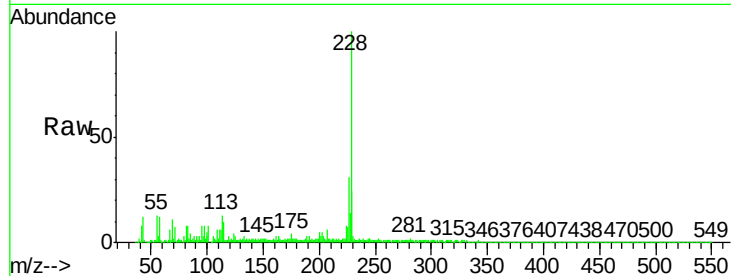
#83
Chrysene
Concen: 11.690 ng/mL
RT: 21.12 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.6	37.0
229	23.8	15.7	23.5

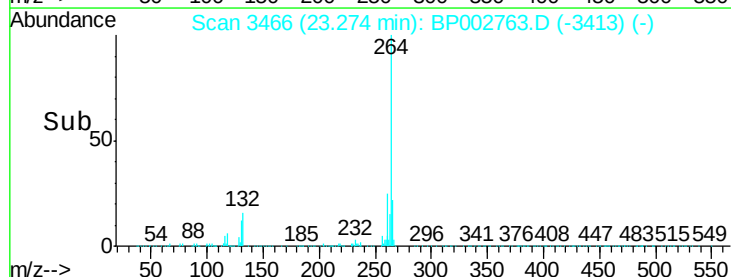
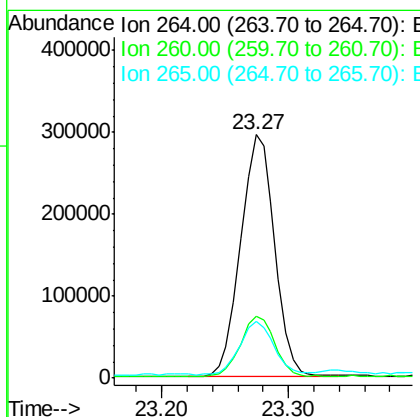
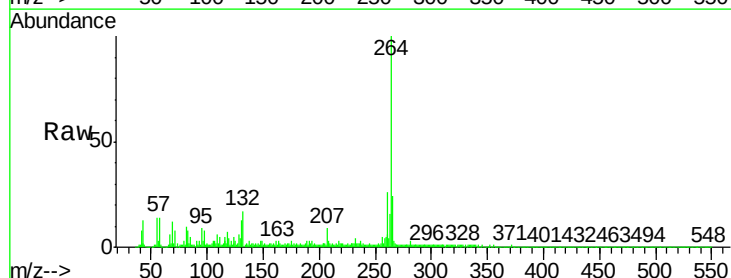
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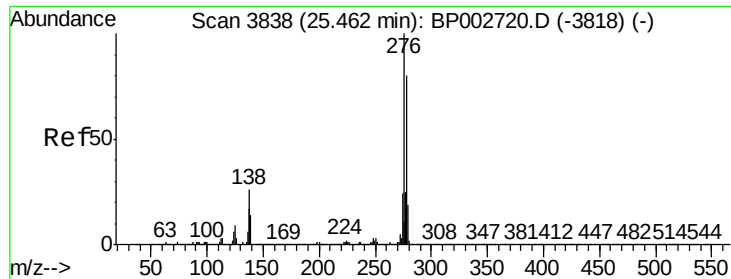
mohammad
7/16/2020 11:07:40 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.27 min Scan# 3466
Delta R.T. 0.01 min
Lab File: BP002763.D
Acq: 15 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.3	28.9
265	23.5	16.8	25.2





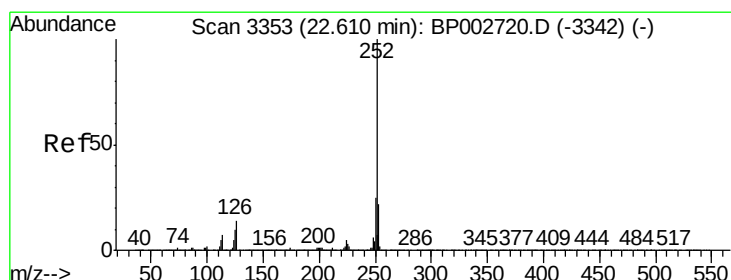
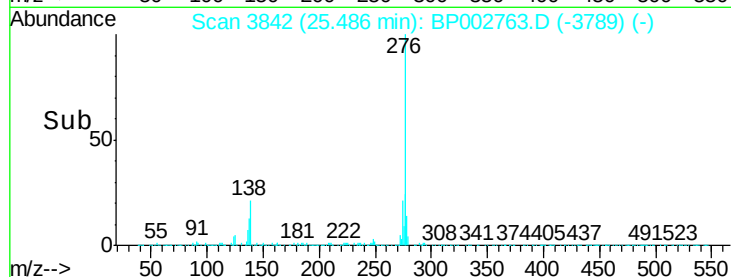
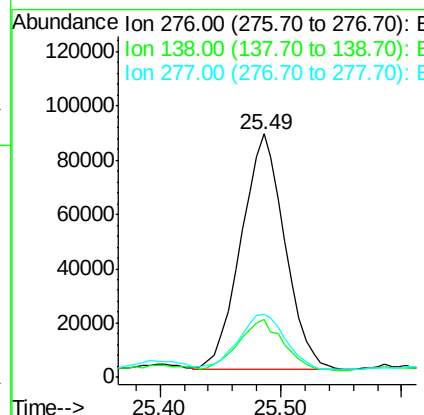
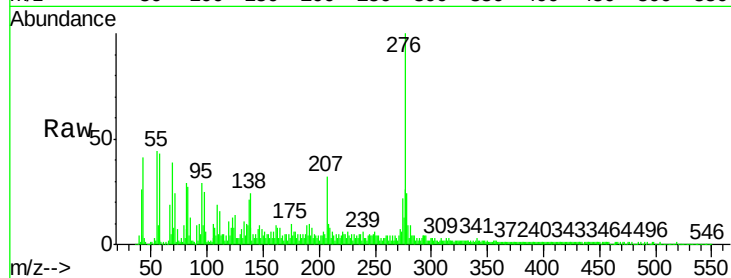
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.542 ng
 RT: 25.49 min Scan# 3842
 Delta R.T. 0.01 min
 Lab File: BP002763.D
 Acq: 15 Jul 2020 20:11

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.8	31.2
277	25.5	20.0	30.0

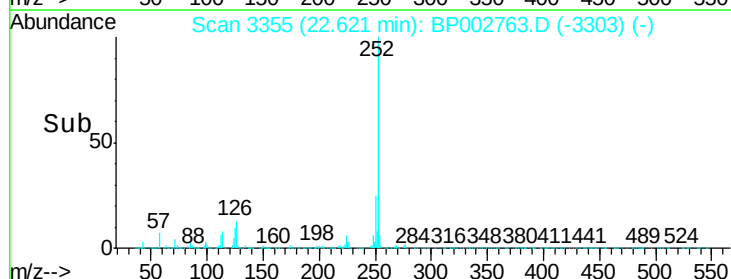
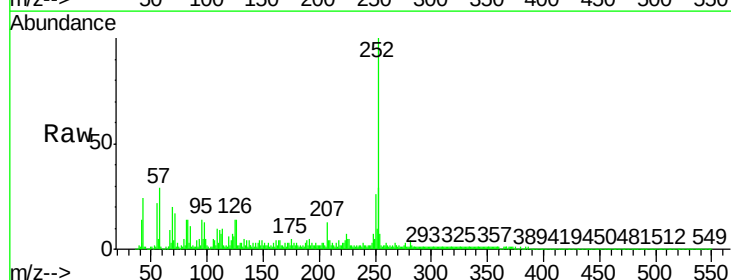
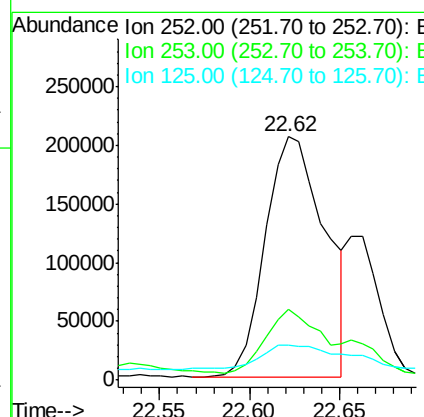
Manual Integrations
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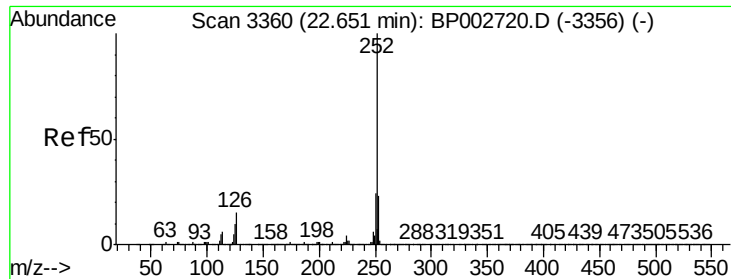
mohammad
 7/16/2020 11:07:40 AM



#88
 Benzo(b)fluoranthene
 Concen: 13.909 ng m
 RT: 22.62 min Scan# 3355
 Delta R.T. 0.01 min
 Lab File: BP002763.D
 Acq: 15 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.7	26.5#
125	14.3	8.2	12.2#





#89

Benzo(k)fluoranthene

Concen: 4.329 ng

RT: 22.66 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BP002763.D

Acq: 15 Jul 2020 20:11

Instrument :

BNA_P

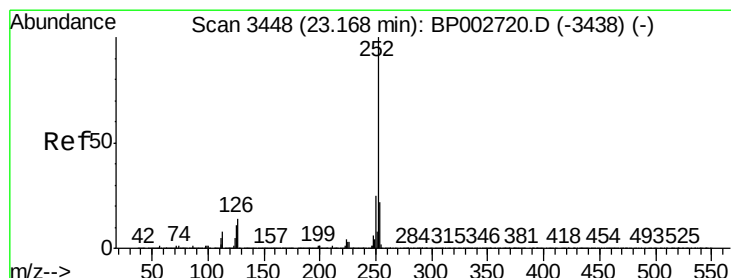
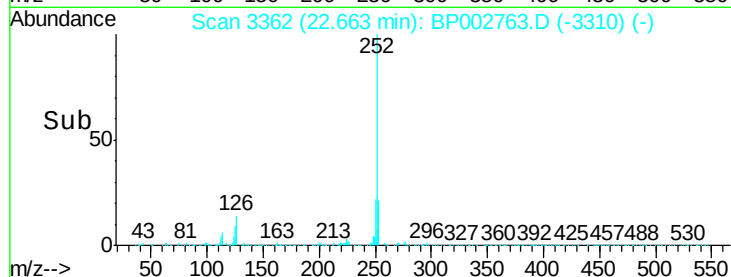
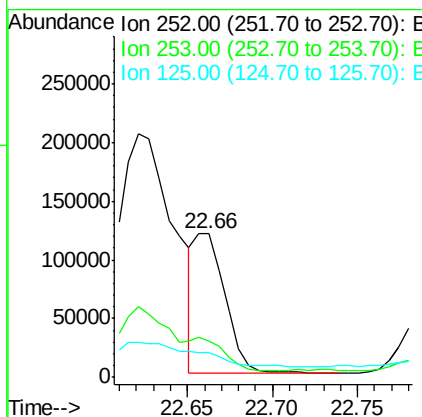
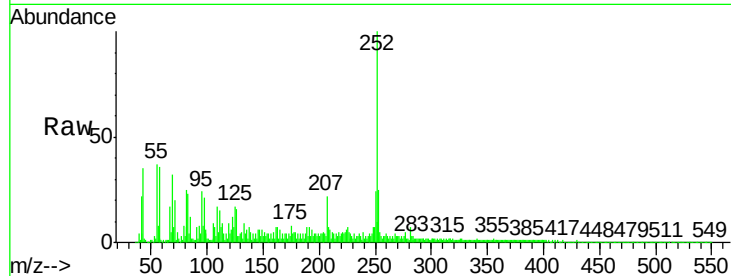
ClientSampleId :

FK-GF-02-057-B

Tot Ion:	252	Resp:	144926
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.8	26.8
125	16.9	8.3	12.5#

Manual Integrations
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mohammad
7/16/2020 11:07:40 AM



#90

Benzo(a)pyrene

Concen: 11.049 ng

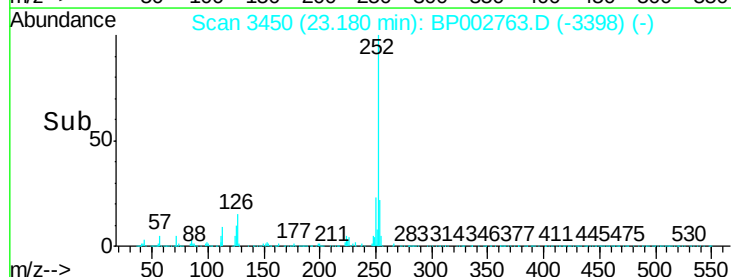
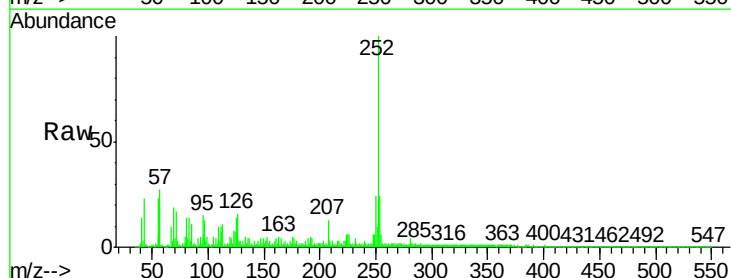
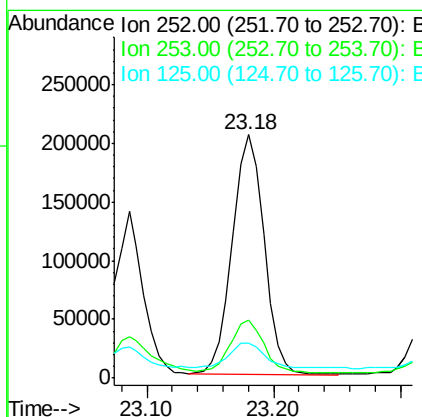
RT: 23.18 min Scan# 3450

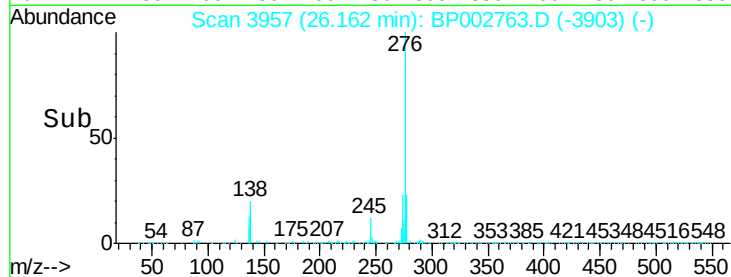
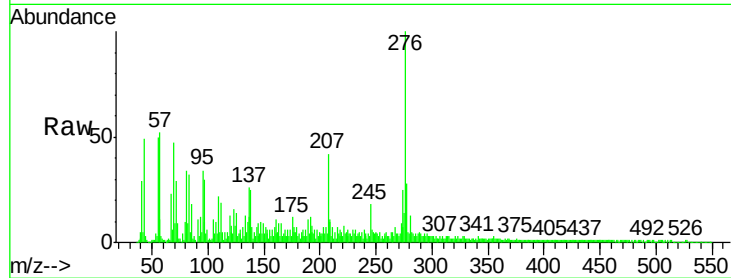
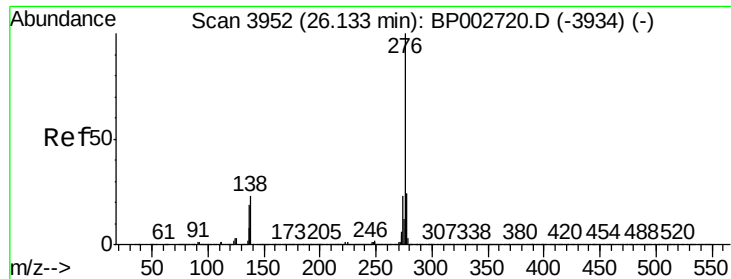
Delta R.T. 0.01 min

Lab File: BP002763.D

Acq: 15 Jul 2020 20:11

Tgt Ion:	252	Resp:	355871
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	14.1	8.6	13.0#





#92

Benzo(a,h,i)perylene

Concen: 6.761 ng

RT: 26.16 min Scan# 3957

Delta R.T. 0.02 min

Lab File: BP002763.D

Acq: 15 Jul 2020 20:11

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-057-B

Tot Ion:	276	Resp:	218717
Ion Ratio	Lower	Upper	
276	100		
277	27.5	19.1	28.7
138	25.3	18.3	27.5

Manual Integrations
APPROVED

mohammad
7/16/2020 11:07:40 AM

