

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
 Data File : BF118941.D
 Acq On : 14 Feb 2020 19:43
 Operator : CG/JU
 Sample : L1529-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-A

Manual Integrations
 APPROVED

mohammad
 2/17/2020 3:49:12 PM

Quant Time: Feb 15 04:42:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	282034	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	746461	20.00	ng	-0.05
39) Acenaphthene-d10	9.81	164	385912	20.00	ng	-0.05
64) Phenanthrene-d10	11.29	188	611863	20.00	ng	-0.05
76) Chrysene-d12	13.93	240	438308	20.00	ng	-0.05
87) Perylene-d12	15.36	264	500284	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1025918	68.86	ng	-0.03
7) Phenol-d6	6.42	99	1753192	94.79	ng	-0.04
23) Nitrobenzene-d5	7.34	82	1139409	90.98	ng	-0.04
42) 2,4,6-Tribromophenol	10.60	330	375241	81.26	ng	-0.05
45) 2-Fluorobiphenyl	9.13	172	1524868	70.64	ng	-0.05
79) Terphenyl-d14	12.87	244	1333210	62.48	ng	-0.05
Target Compounds						Qvalue
50) Dimethylphthalate	9.52	163	114636	4.36	ng	99
71) Phenanthrene	11.32	178	85167	2.83	ng	97
75) Fluoranthene	12.50	202	190615	5.80	ng	96
78) Pyrene	12.73	202	172302	5.73	ng	97
81) Benzo(a)anthracene	13.92	228	127503	4.89	ng	99
83) Chrysene	13.95	228	131945	5.04	ng	97
86) Indeno(1,2,3-cd)pyrene	16.77	276	88525	3.37	ng	96
88) Benzo(b)fluoranthene	14.95	252	226711m	7.30	ng	
89) Benzo(k)fluoranthene	14.97	252	60277m	2.23	ng	
90) Benzo(a)pyrene	15.30	252	129927	4.89	ng	98
92) Benzo(g,h,i)perylene	17.19	276	78243	3.45	ng	97

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

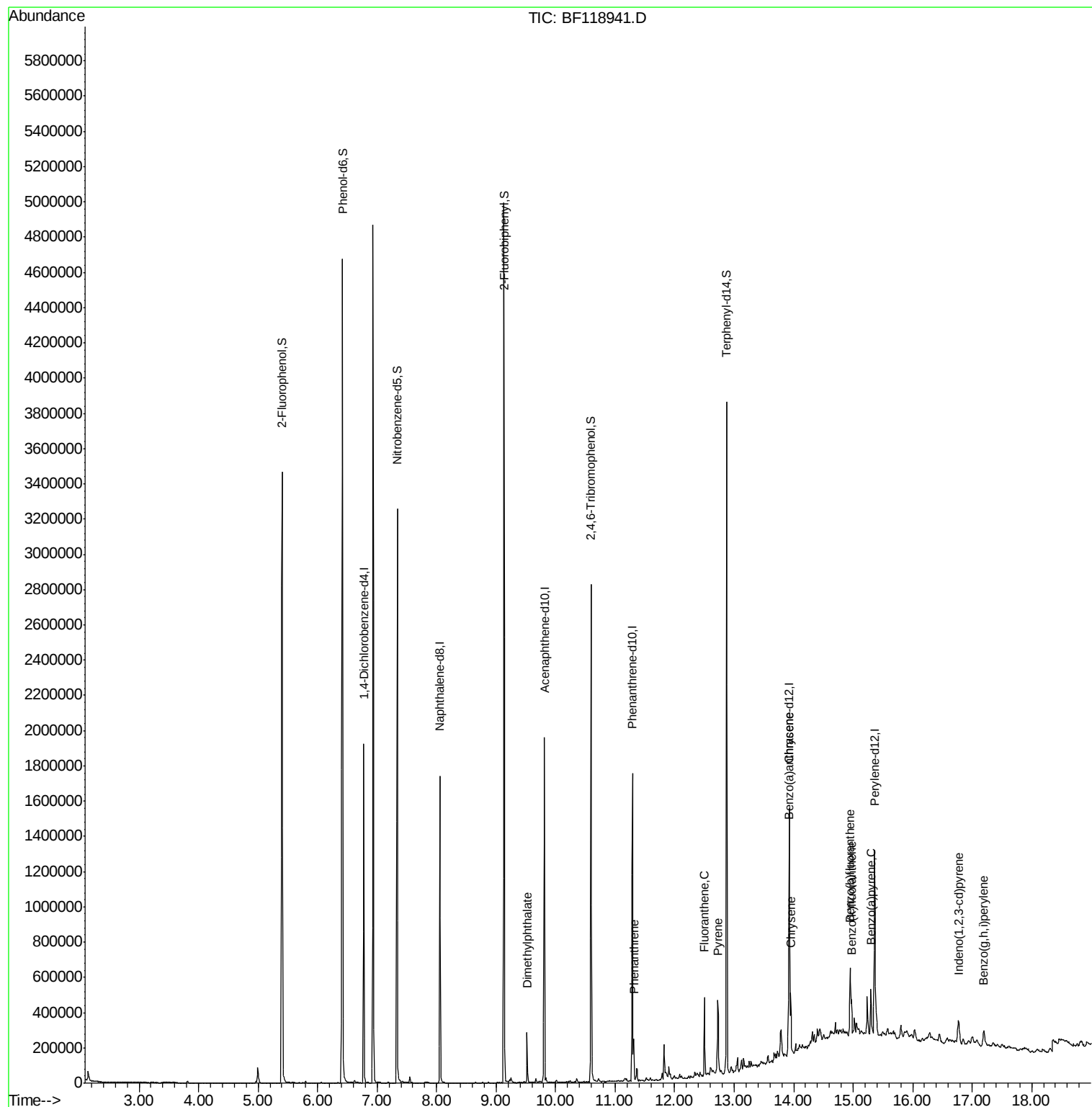
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118941.D
Acq On : 14 Feb 2020 19:43
Operator : CG/JU
Sample : L1529-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

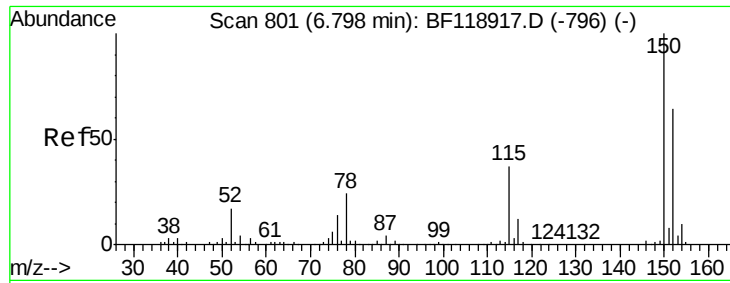
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-A

Manual Integrations
APPROVED

mohammad
2/17/2020 3:49:12 PM

Quant Time: Feb 15 04:42:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 14 00:49:42 2020
Response via : Initial Calibration





#1

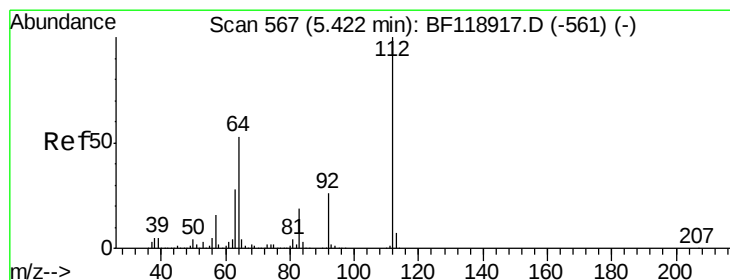
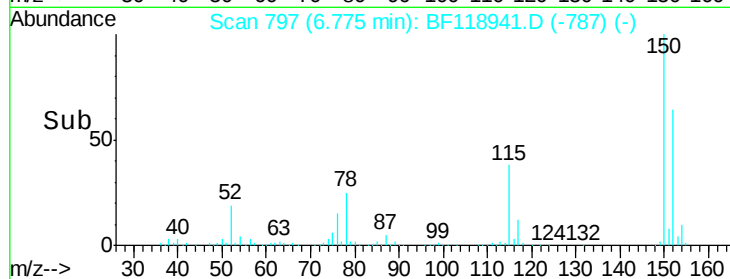
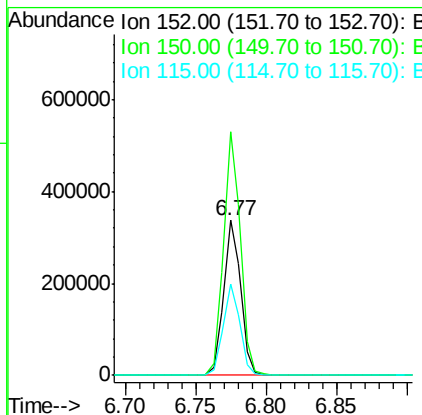
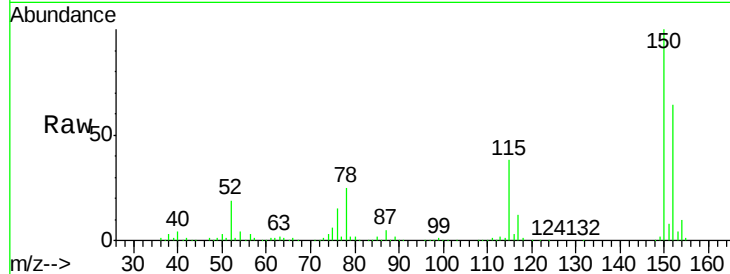
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.04 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-A

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	282034		
150	156.9	123.6	185.4	
115	59.2	48.2	72.2	

Manual Integrations
 APPROVED

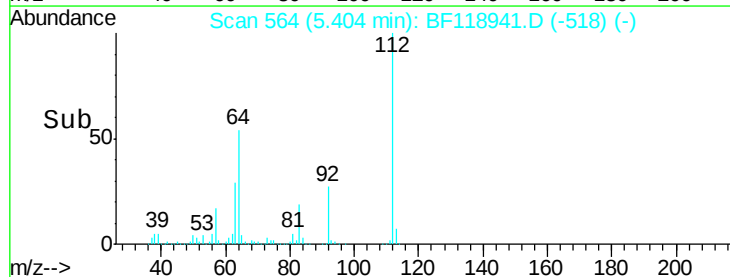
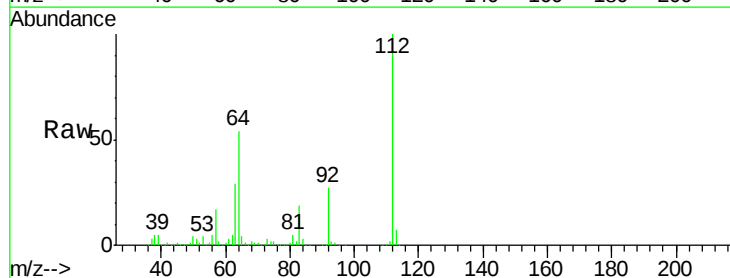
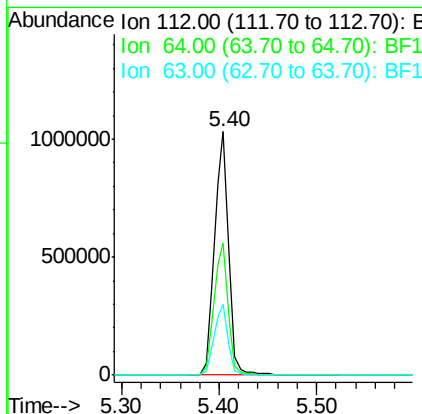
mohammad
 2/17/2020 3:49:12 PM

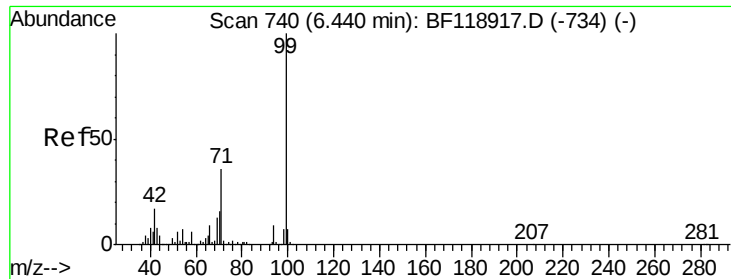


#5

2-Fluorophenol
 Concen: 68.86 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.03 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1025918		
64	54.2	42.6	63.8	
63	29.2	22.2	33.4	





#7

Phenol-d6

Concen: 94.79 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.04 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-049-A

Tgt Ion: 99 Resp: 1753192

Ion Ratio Lower Upper

99 100

42 17.2 13.4 20.0

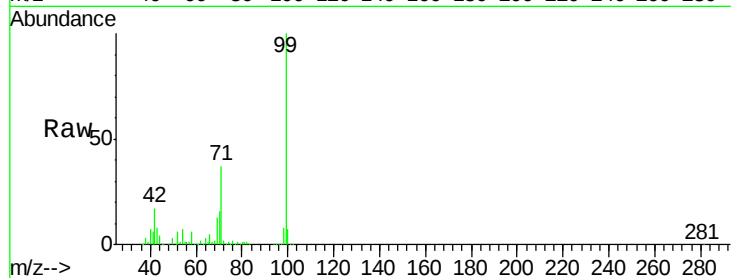
71 36.6 29.0 43.6

Manual Integrations

APPROVED

mohammad

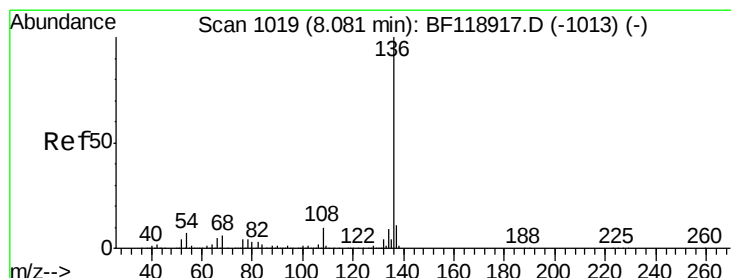
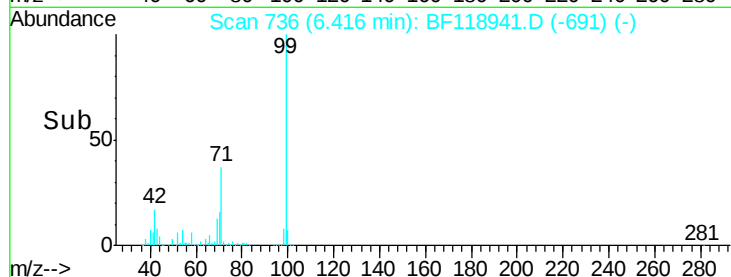
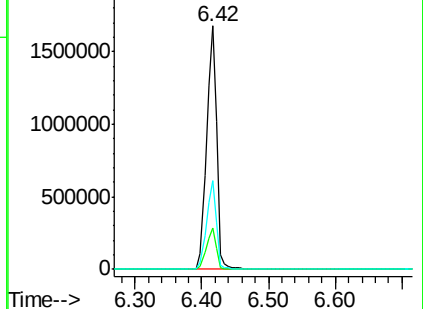
2/17/2020 3:49:12 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.05 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

Tgt Ion: 136 Resp: 746461

Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.5 5.0 7.6

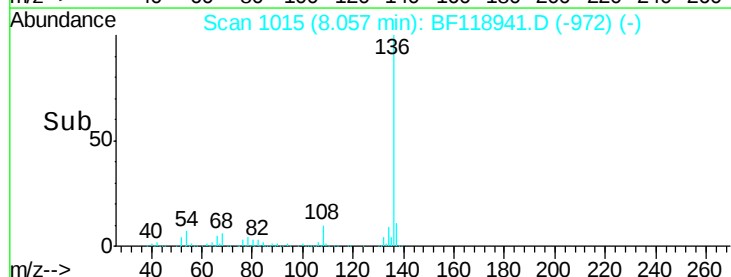
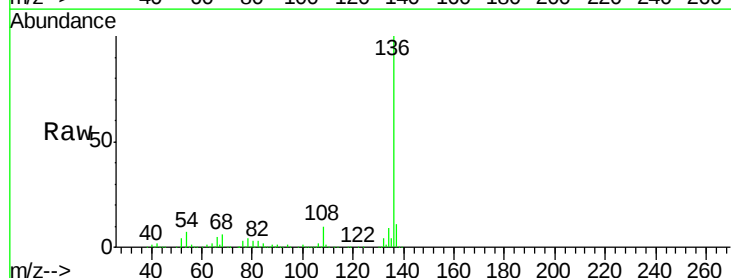
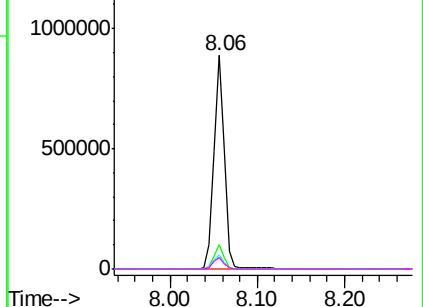
68 5.6 4.2 6.4

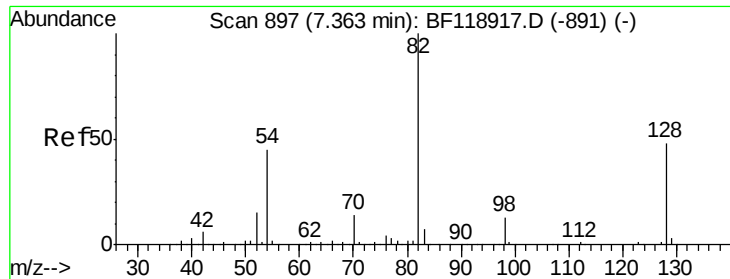
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





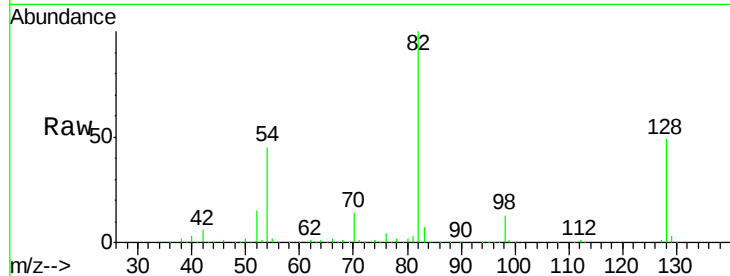
#23
 Nitrobenzene-d5
 Concen: 90.98 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.04 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-A

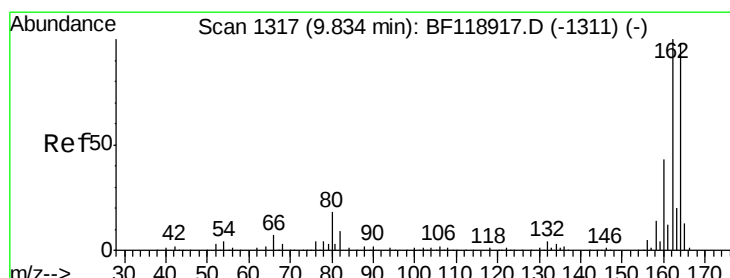
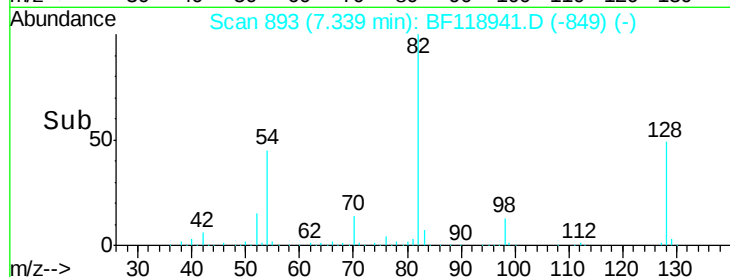
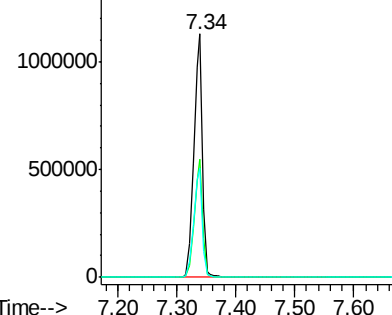
Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.8	38.5	57.7
54	44.7	36.7	55.1

Manual Integrations
 APPROVED

mohammad
 2/17/2020 3:49:12 PM



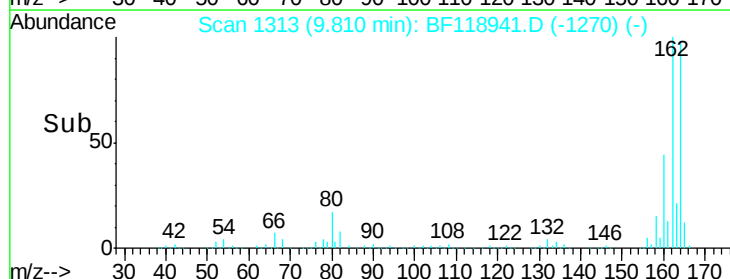
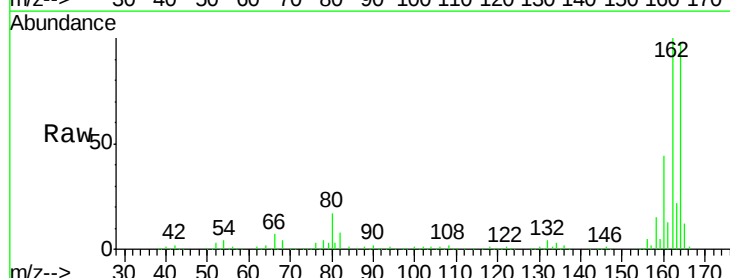
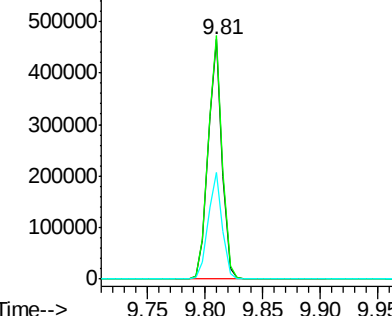
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

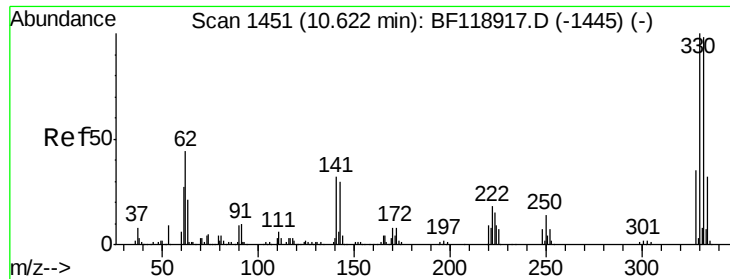


#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.05 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.4	122.2
160	44.6	35.6	53.4

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





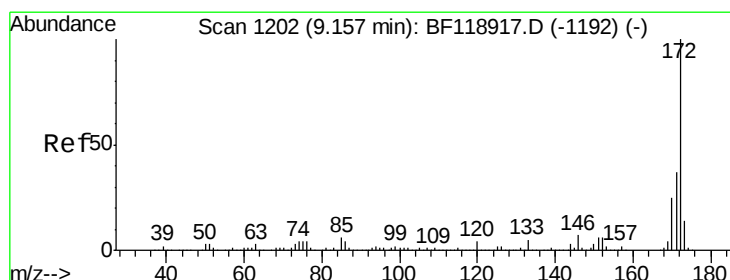
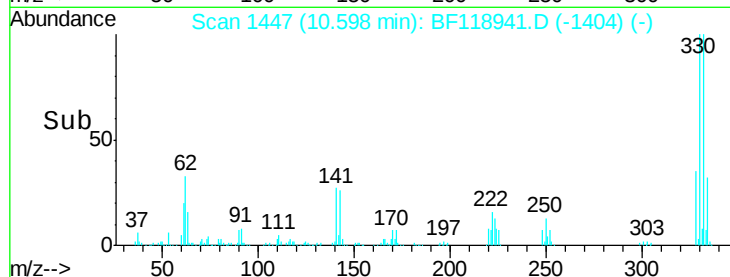
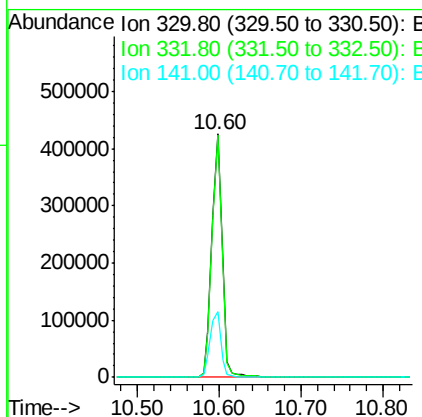
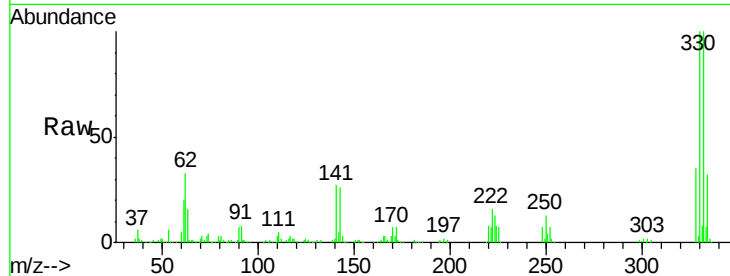
#42
 2,4,6-Tribromophenol
 Concen: 81.26 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.05 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.3	115.9
141	28.6	22.4	33.6

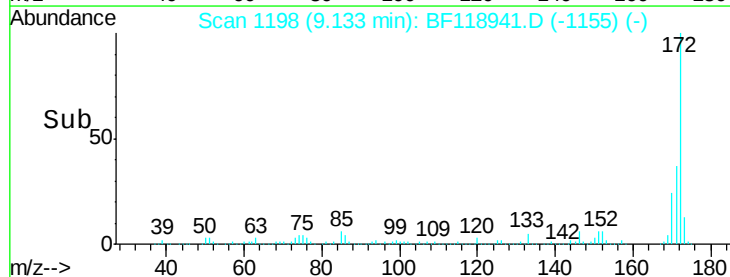
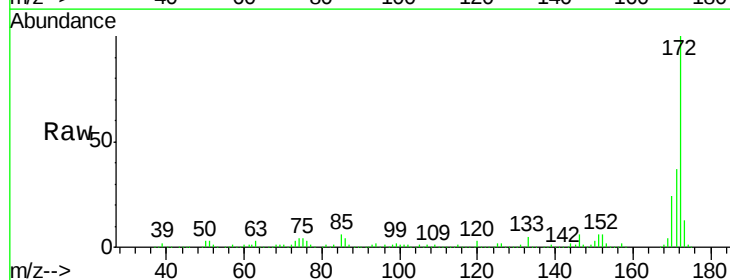
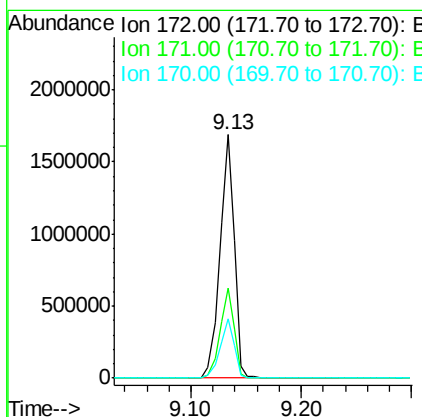
Manual Integrations
 APPROVED

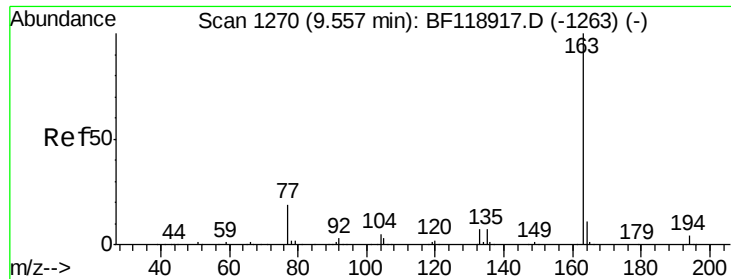
mohammad
 2/17/2020 3:49:12 PM



#45
 2-Fluorobiphenyl
 Concen: 70.64 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.8	46.2
170	24.2	20.5	30.7





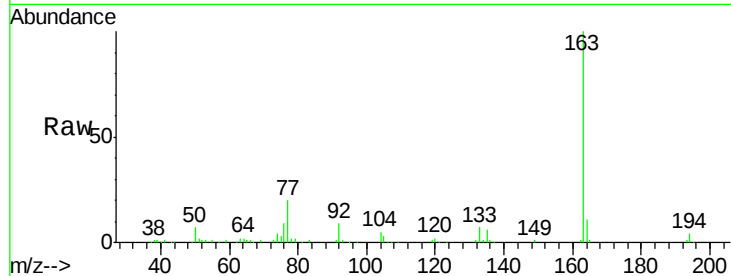
#50
Dimethylphthalate
Concen: 4.36 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.06 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-A

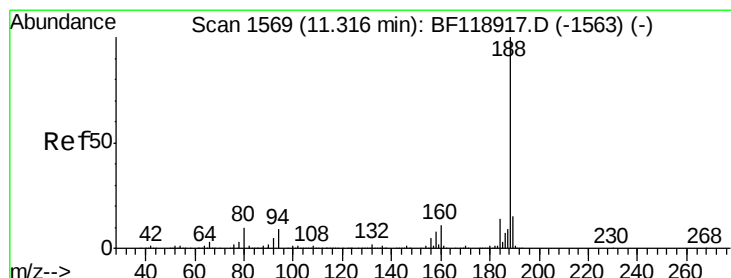
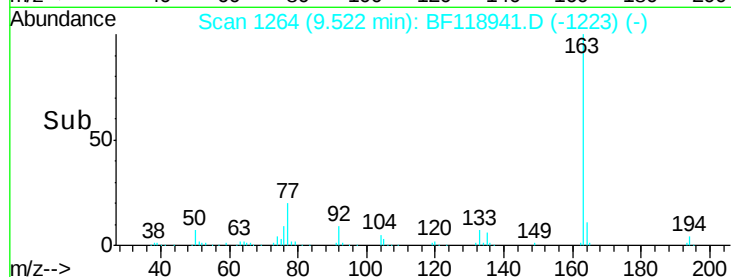
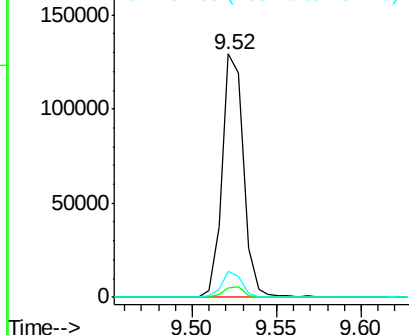
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	114636		
194	3.9	3.6	5.4	
164	10.6	8.7	13.1	

Manual Integrations
APPROVED

mohammad
2/17/2020 3:49:12 PM

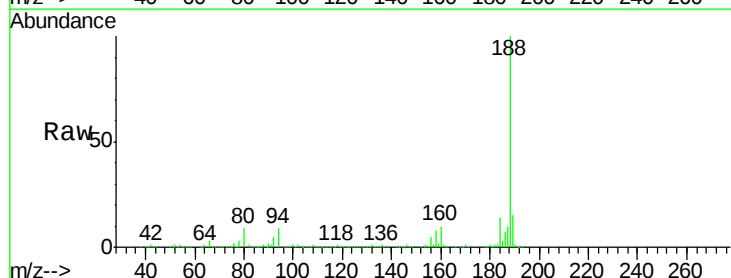


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

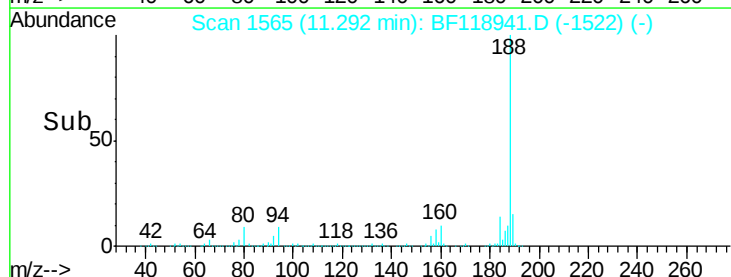
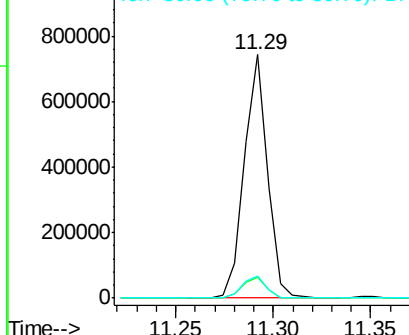


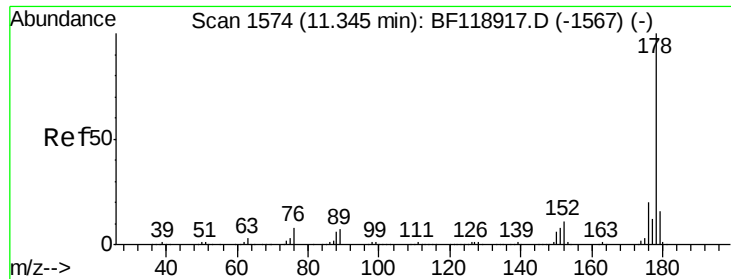
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.05 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	611863		
94	8.5	7.9	11.9	
80	8.9	8.4	12.6	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





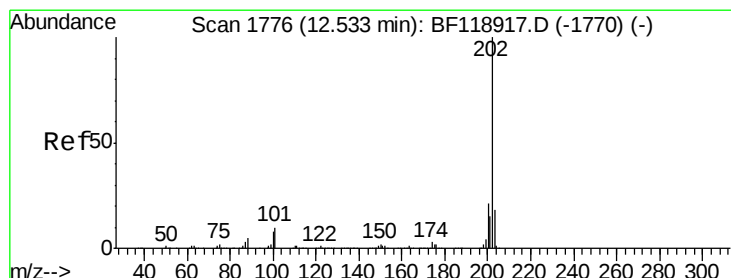
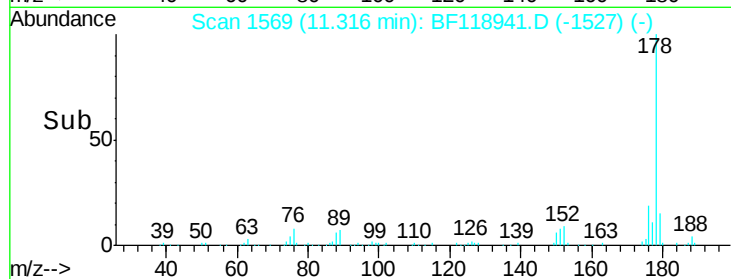
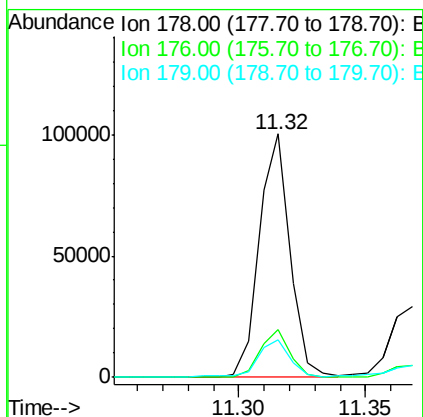
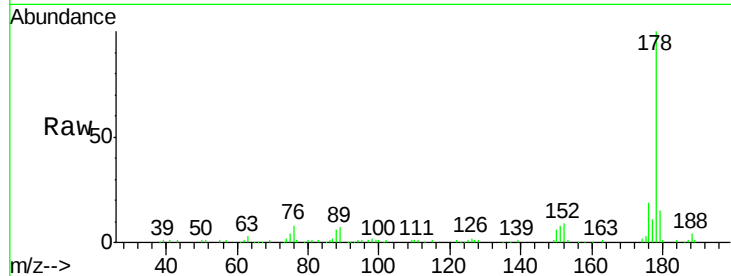
#71
Phenanthrene
Concen: 2.83 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.05 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	24.8
179	15.3	13.2	19.8

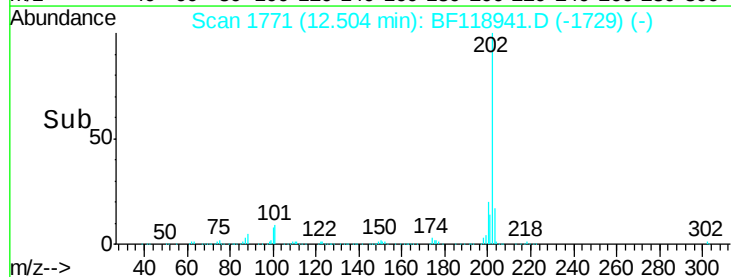
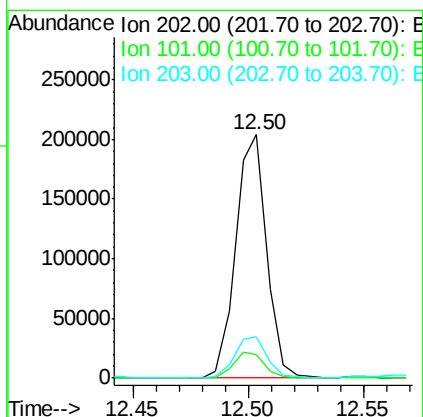
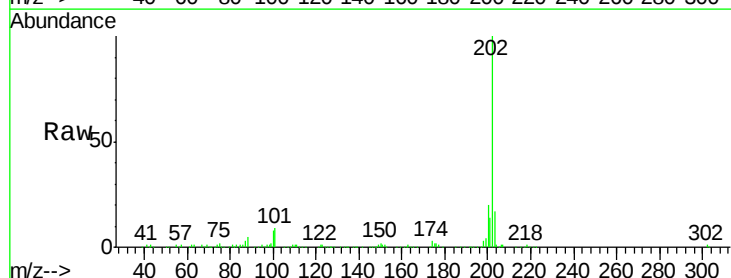
Manual Integrations
APPROVED

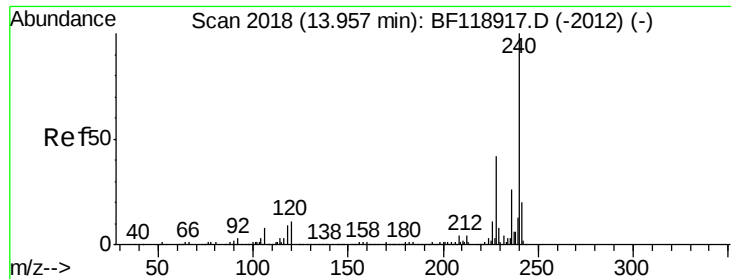
mohammad
2/17/2020 3:49:12 PM



#75
Fluoranthene
Concen: 5.80 ng
RT: 12.50 min Scan# 1771
Delta R.T. -0.05 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.0
203	17.0	0.0	38.7





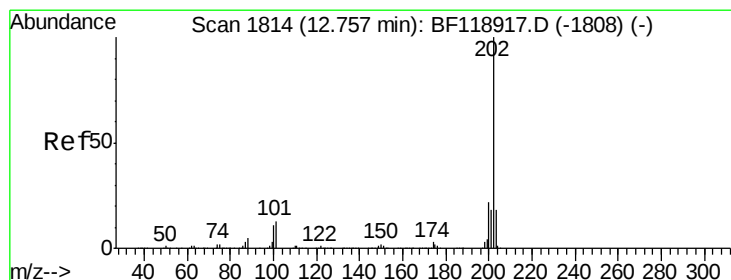
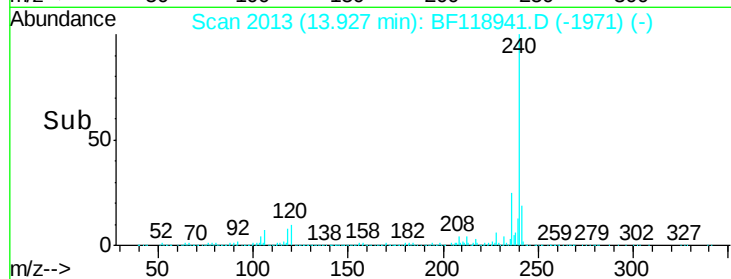
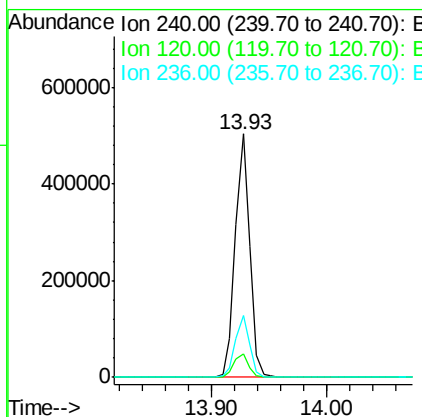
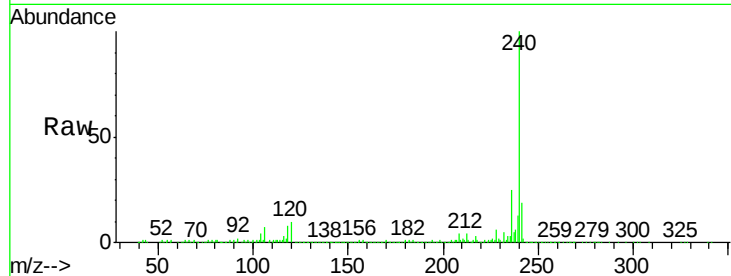
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.05 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-A

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	438308		
120	9.6		9.4	14.0
236	25.4		21.0	31.6

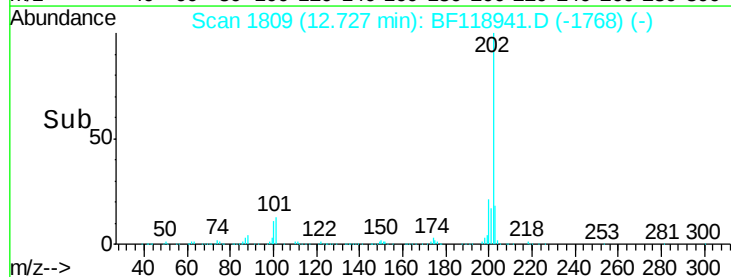
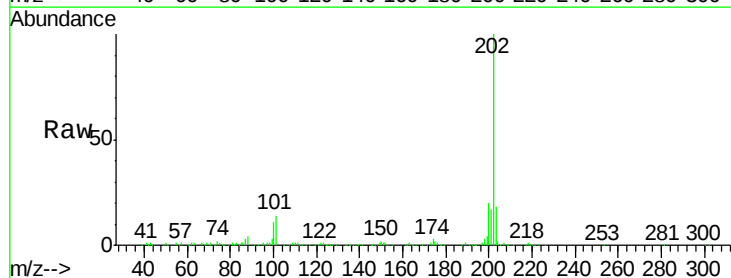
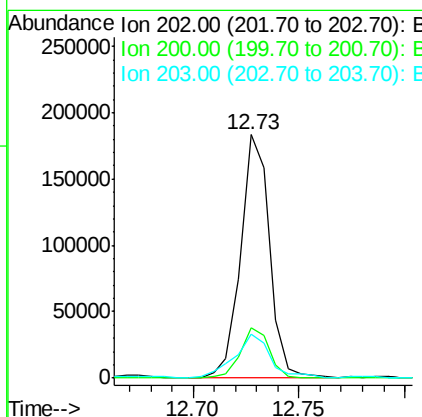
Manual Integrations
APPROVED

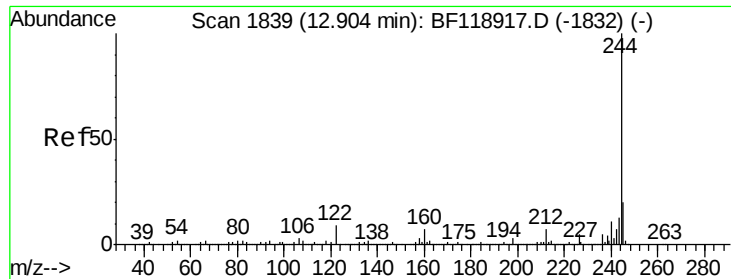
mohammad
2/17/2020 3:49:12 PM



#78
Pyrene
Concen: 5.73 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.06 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	172302		
200	20.5		18.2	27.2
203	18.1		14.8	22.2





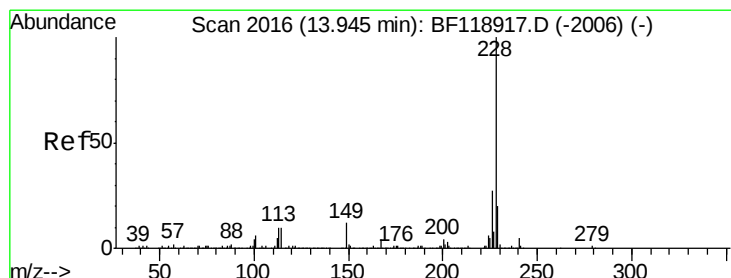
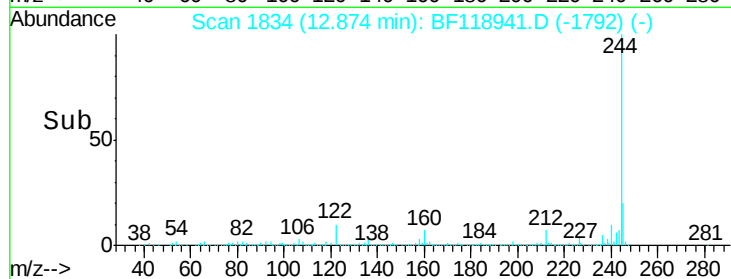
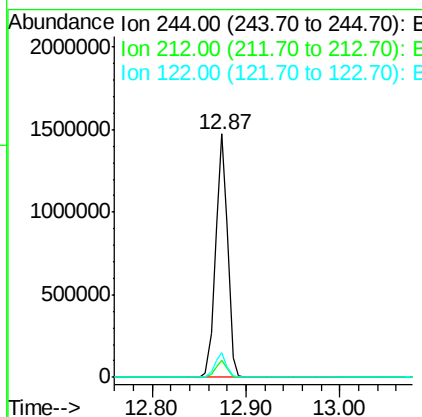
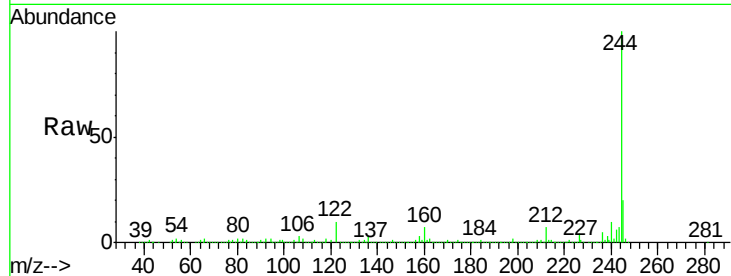
#79
 Terphenyl-d14
 Concen: 62.48 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. -0.05 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-A

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.5	9.7
122	10.2	8.9	13.3

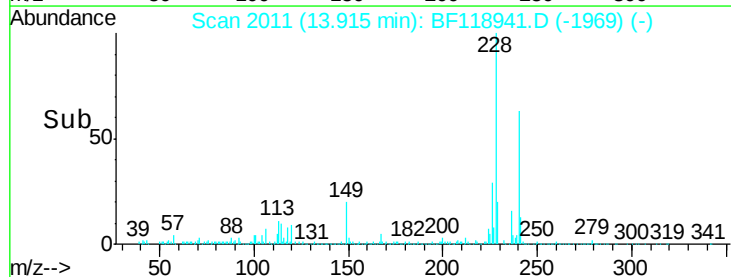
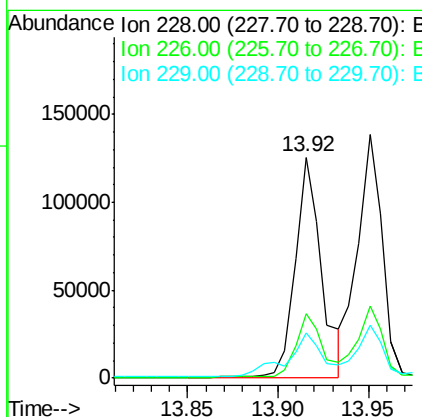
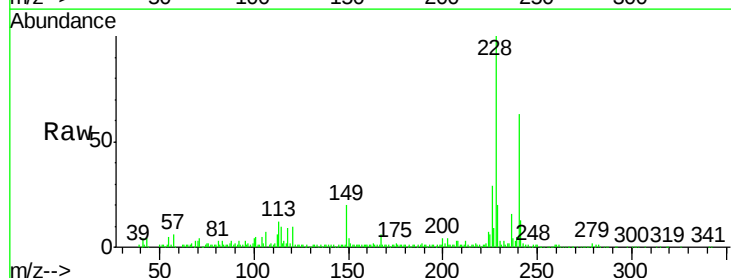
Manual Integrations
 APPROVED

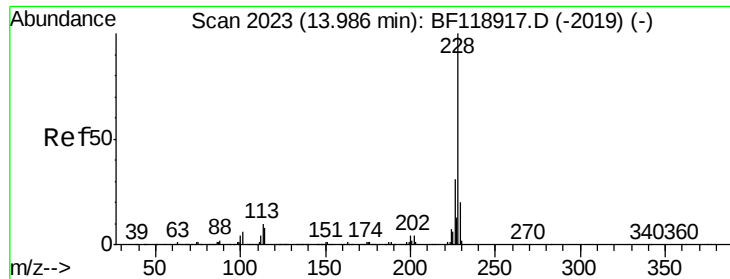
mohammad
 2/17/2020 3:49:12 PM



#81
 Benzo(a)anthracene
 Concen: 4.89 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.05 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.7	34.1
229	20.5	16.6	25.0





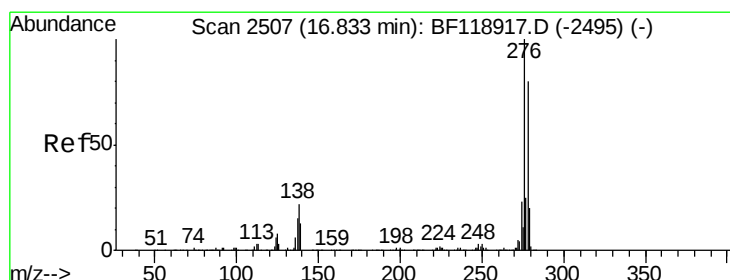
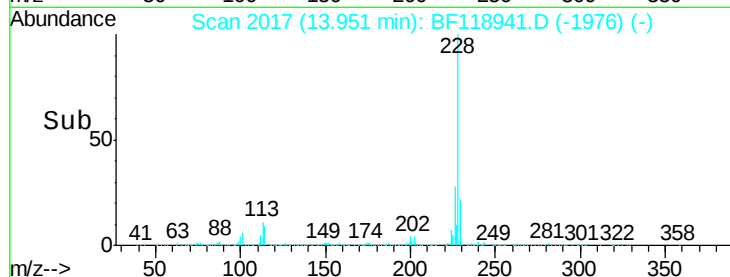
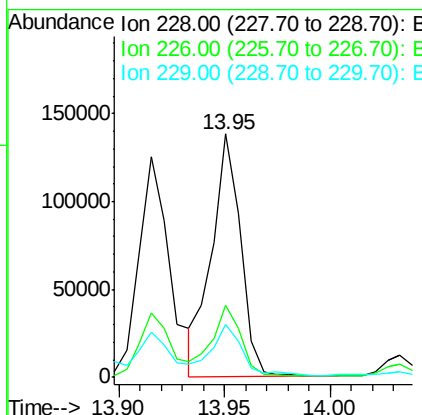
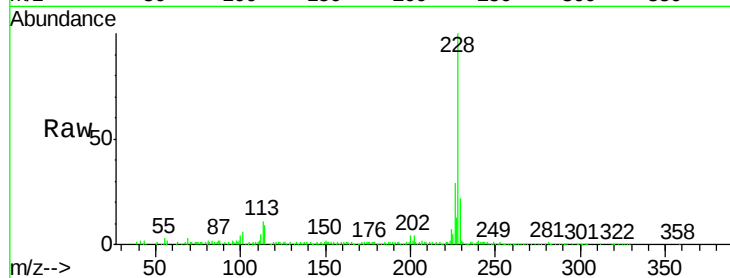
#83
Chrysene
Concen: 5.04 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.06 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-A

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	131945		
226	29.4	25.4	38.0	
229	21.9	16.9	25.3	

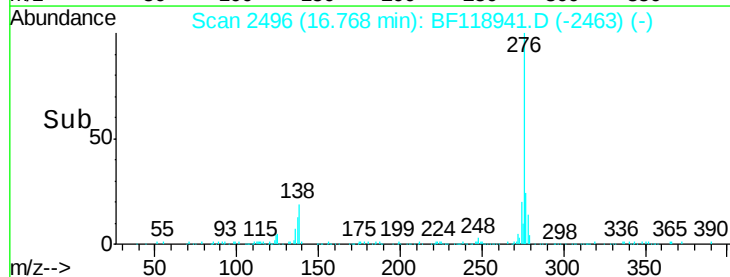
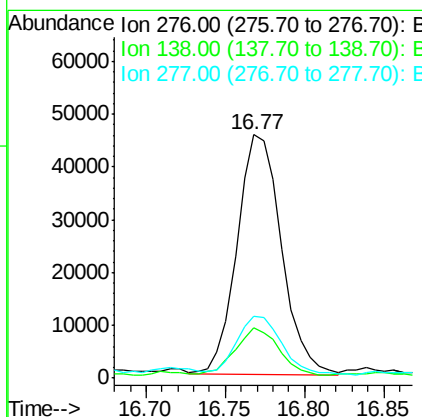
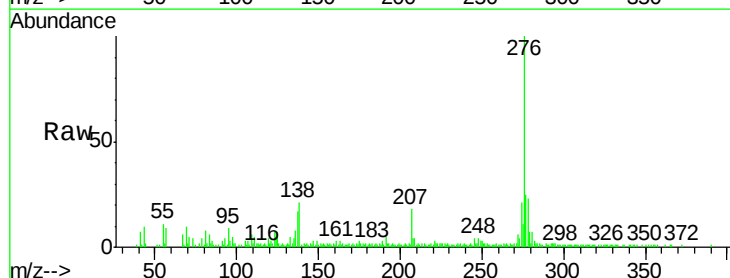
Manual Integrations
APPROVED

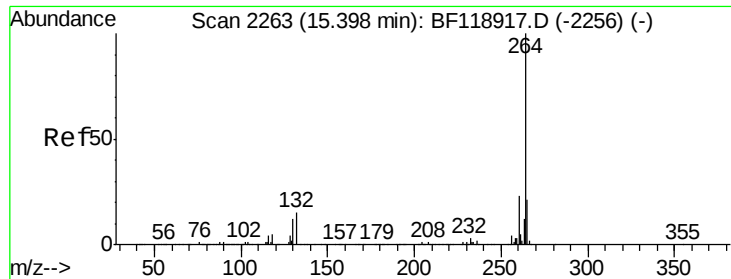
mohammad
2/17/2020 3:49:12 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.37 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.11 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	88525		
138	19.4	18.3	27.5	
277	24.8	20.2	30.4	





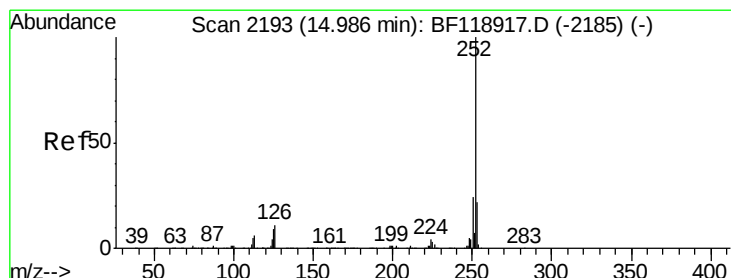
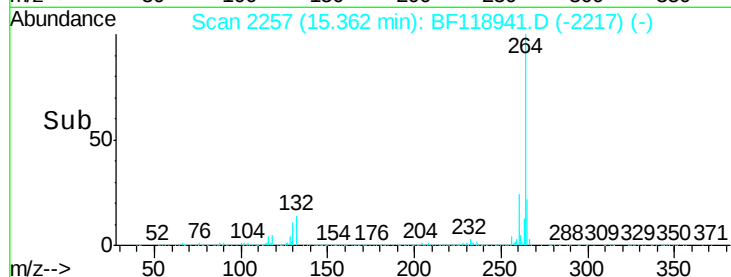
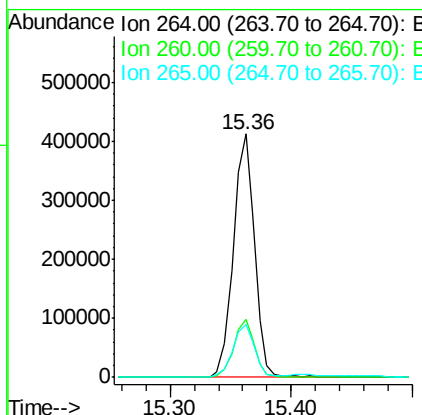
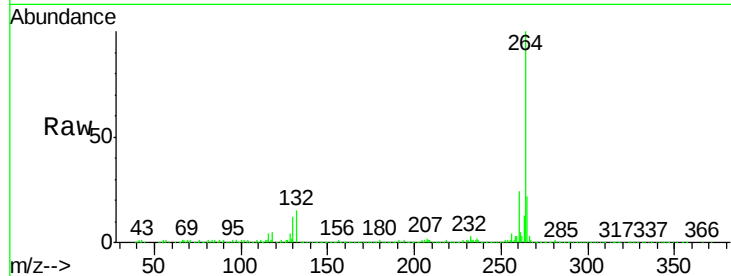
#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. -0.06 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	21.9	17.2	25.8

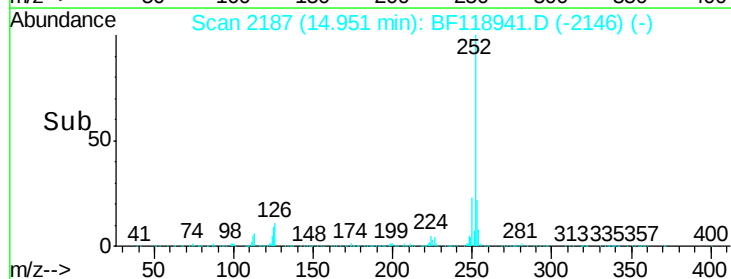
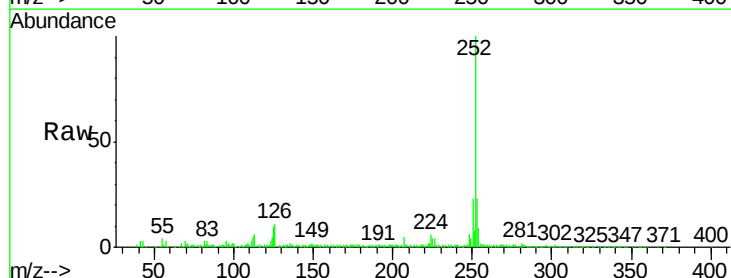
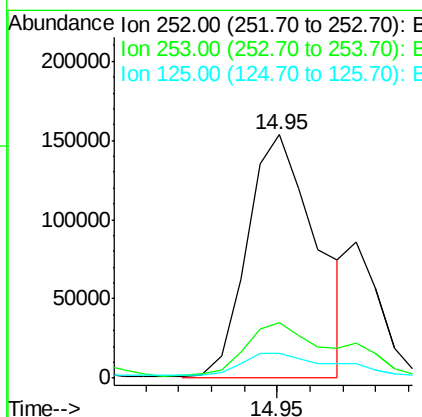
Manual Integrations
 APPROVED

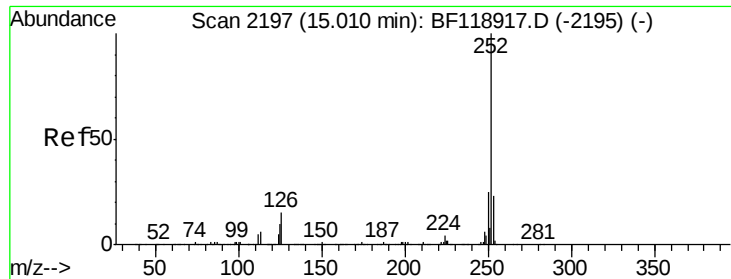
mohammad
 2/17/2020 3:49:12 PM



#88
 Benzo(b)fluoranthene
 Concen: 7.30 ng m
 RT: 14.95 min Scan# 2187
 Delta R.T. -0.06 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	10.4	8.1	12.1





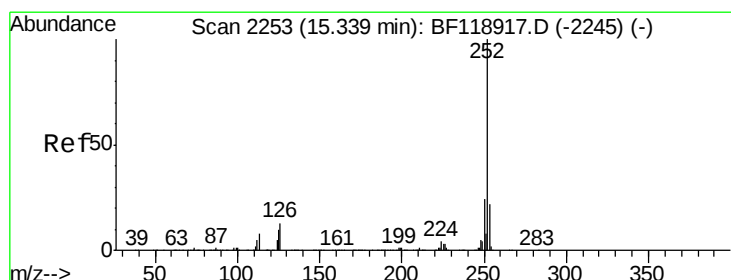
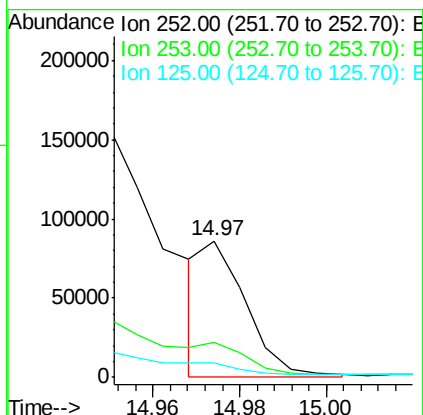
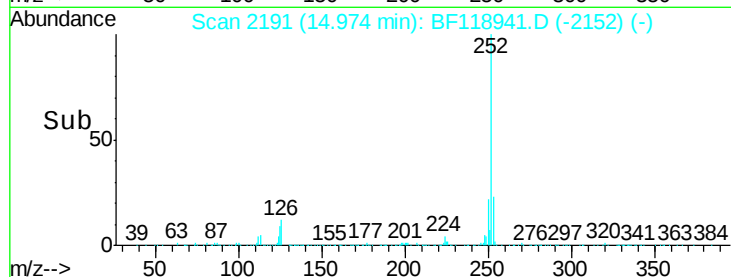
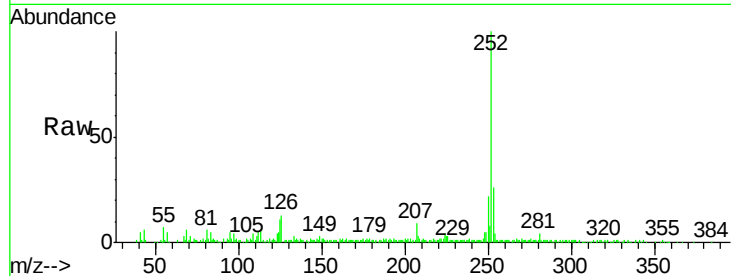
#89
Benzo(k)fluoranthene
Concen: 2.23 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.4
125	11.1	7.0	10.6

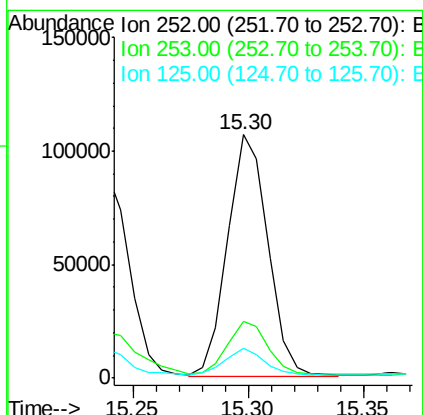
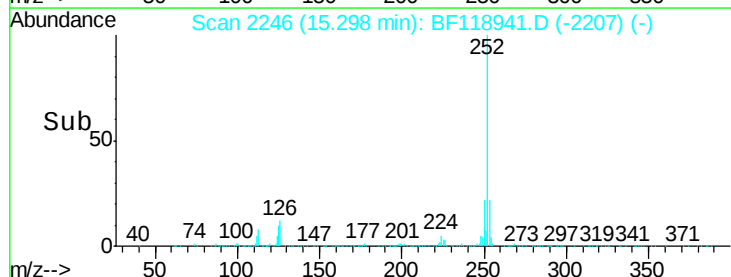
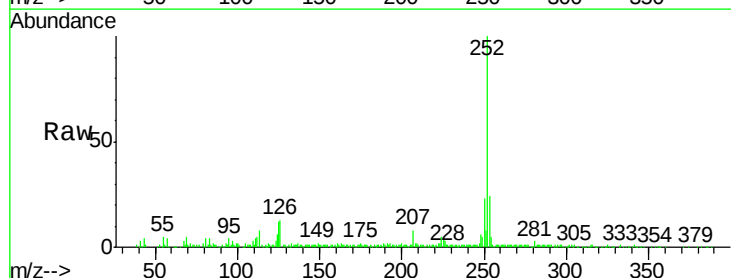
Manual Integrations
APPROVED

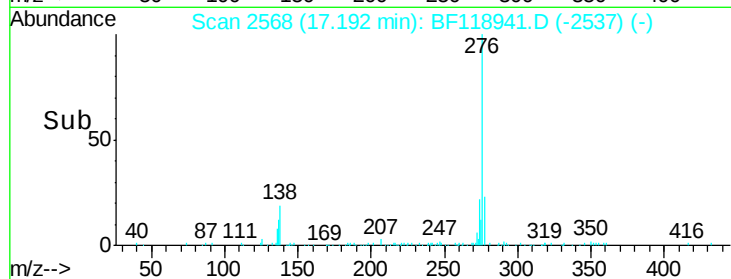
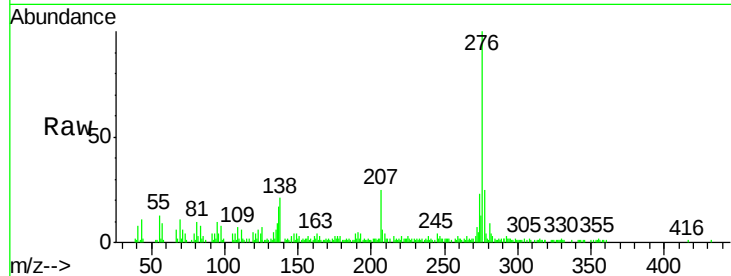
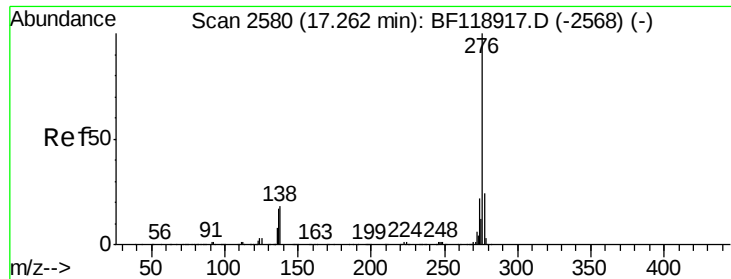
mohammad
2/17/2020 3:49:12 PM



#90
Benzo(a)pyrene
Concen: 4.89 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.07 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	12.2	8.7	13.1





#92
Benzo(g,h,i)perylene
Concen: 3.45 ng
RT: 17.19 min Scan# 2568
Delta R.T. -0.12 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.7	28.1
138	21.2	15.4	23.2

Manual Integrations
APPROVED

mohammad
2/17/2020 3:49:12 PM

