

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
 Data File : BF118692.D
 Acq On : 24 Jan 2020 18:17
 Operator : CG/JU
 Sample : L1243-08 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-BC-0-3.5

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:25 AM

Quant Time: Jan 27 01:54:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	285548	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	1007271	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	543487	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	865753	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	584462	20.00	ng	-0.03
87) Perylene-d12	15.49	264	693062	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	787327	51.21	ng	-0.02
7) Phenol-d6	6.49	99	983887	49.24	ng	-0.02
23) Nitrobenzene-d5	7.42	82	583428	32.40	ng	-0.03
42) 2,4,6-Tribromophenol	10.68	330	245635	39.08	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	1056635	31.95	ng	-0.03
79) Terphenyl-d14	12.96	244	932822	34.81	ng	-0.03
Target Compounds						
50) Dimethylphthalate	9.61	163	187223	5.287	ng	96
58) Fluorene	10.45	166	74490	2.305	ng	100
71) Phenanthrene	11.40	178	857736	20.536	ng	93
72) Anthracene	11.46	178	245538	5.941	ng	92
75) Fluoranthene	12.59	202	1131268	25.680	ng	96
78) Pyrene	12.82	202	878852	22.149	ng	92
81) Benzo(a)anthracene	14.00	228	429230	12.208	ng	99
83) Chrysene	14.04	228	373752	11.092	ng	94
86) Indeno(1,2,3-cd)pyrene	16.94	276	191598	6.544	ng	95
88) Benzo(b)fluoranthene	15.06	252	525764m	12.069	ng	
89) Benzo(k)fluoranthene	15.08	252	138525m	3.432	ng	
90) Benzo(a)pyrene	15.42	252	347257	9.241	ng	# 98
92) Benzo(a,h,i)perylene	17.39	276	164589	5.099	ng	95

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

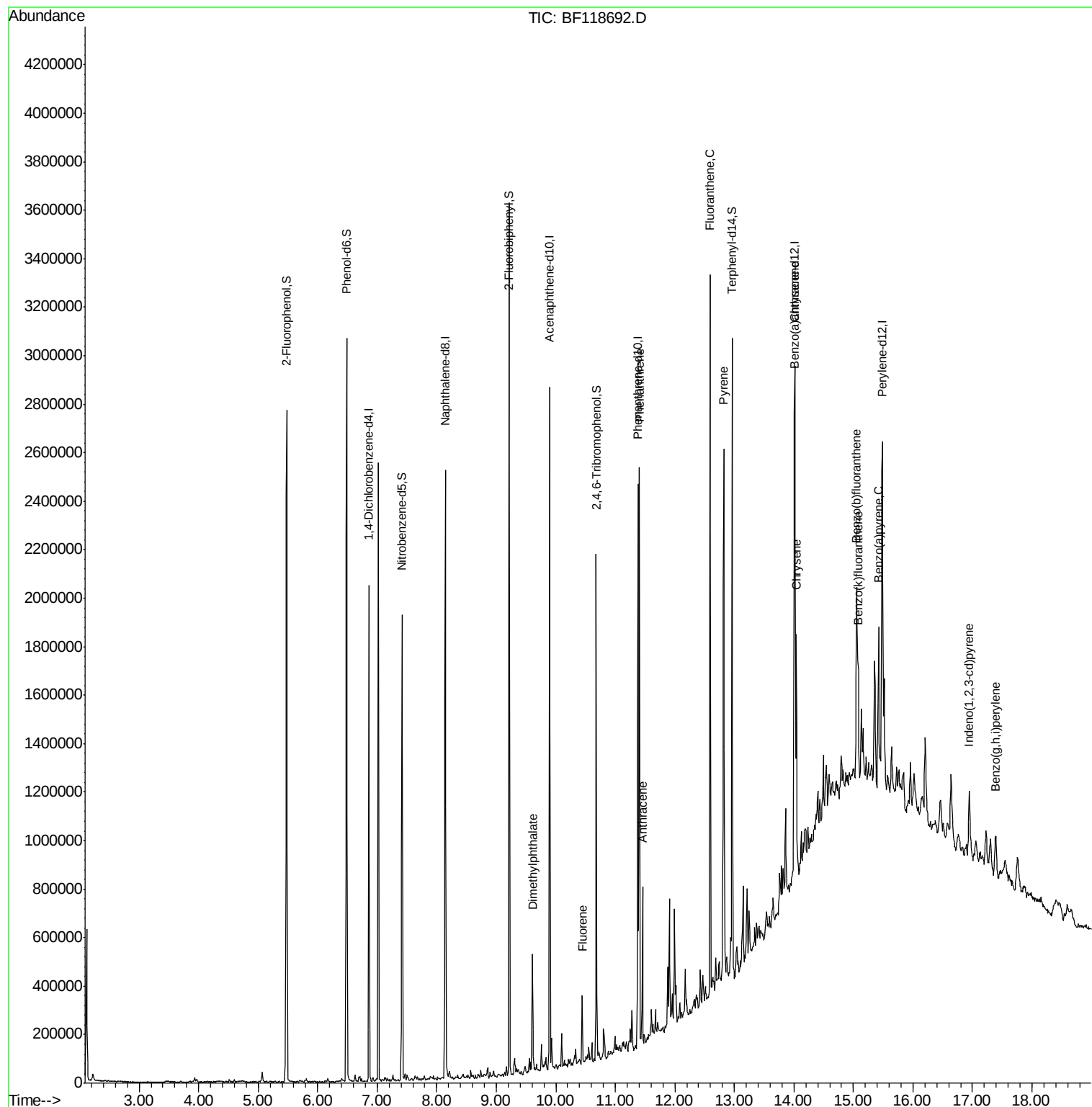
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118692.D
Acq On : 24 Jan 2020 18:17
Operator : CG/JU
Sample : L1243-08 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

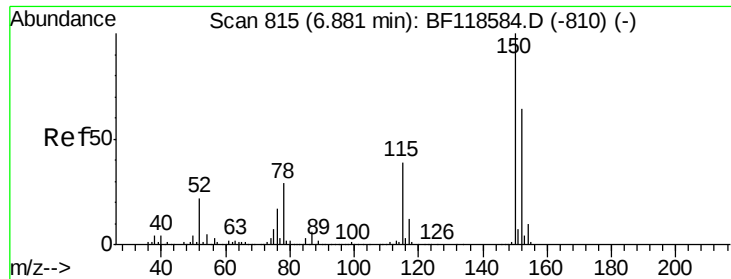
Instrument :
BNA_F
ClientSampleId :
CTY-SB-BC-0-3.5

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:25 AM

Quant Time: Jan 27 01:54:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration





#1

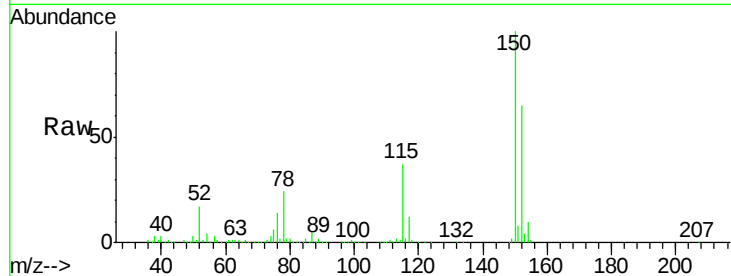
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Instrument :
BNA_F
ClientSampleId :
CTY-SB-BC-0-3.5

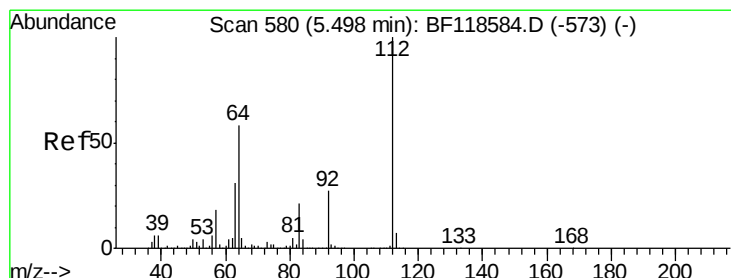
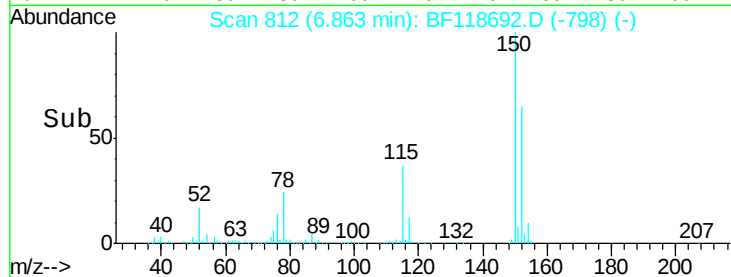
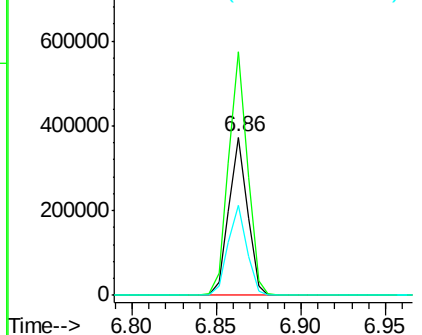
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.6	188.4
115	56.7	48.4	72.6

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:25 AM



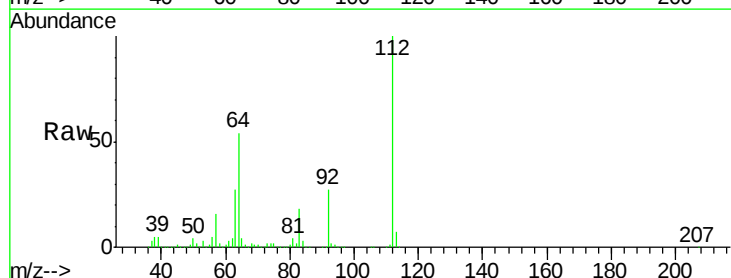
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



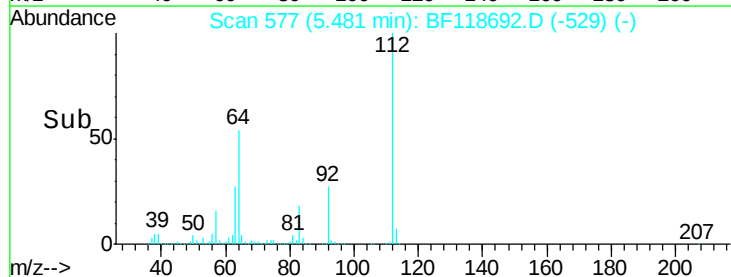
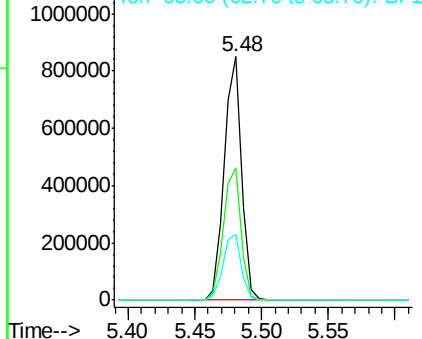
#5

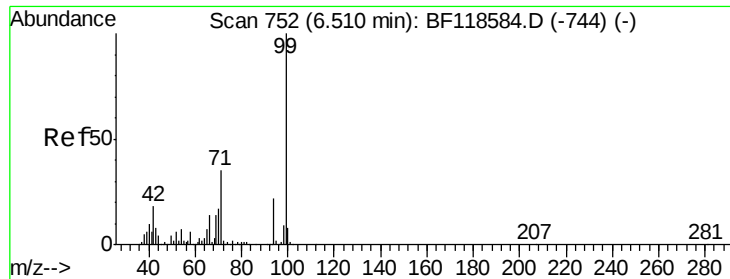
2-Fluorophenol
Concen: 51.209 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	46.6	70.0
63	27.2	25.1	37.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 49.236 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF118692.D

Acq: 24 Jan 2020 18:17

Instrument :

BNA_F

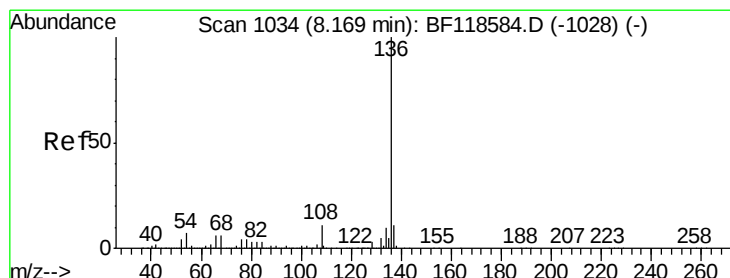
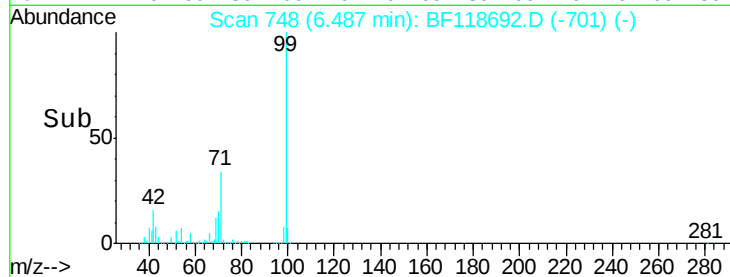
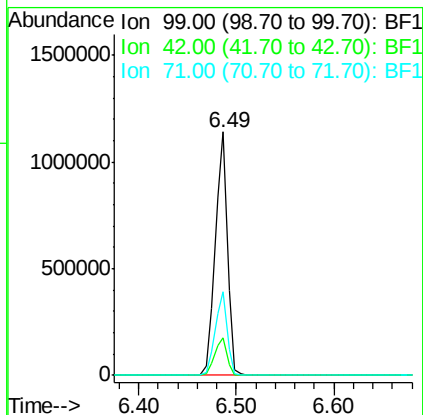
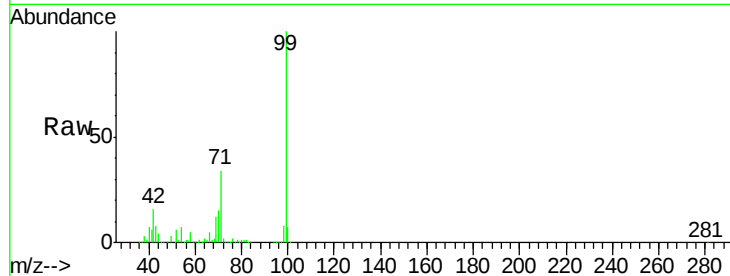
ClientSampleId :

CTY-SB-BC-0-3.5

Tot Ion:	99	Resp:	983887
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.2	21.2
71	34.4	27.8	41.6

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:25 AM



#21

Naphthalene-d8

Concen: 20.000 ng

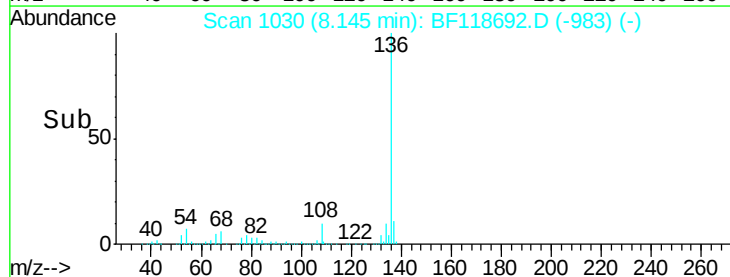
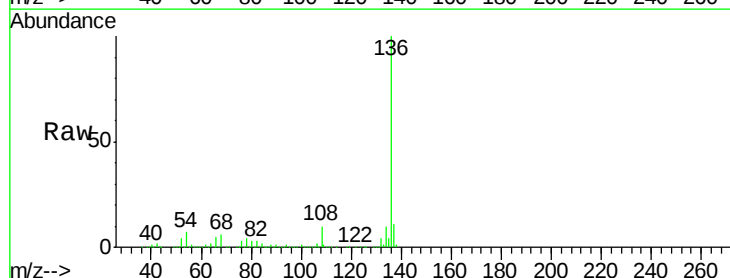
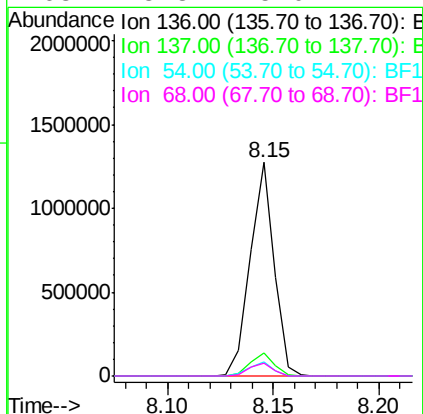
RT: 8.15 min Scan# 1030

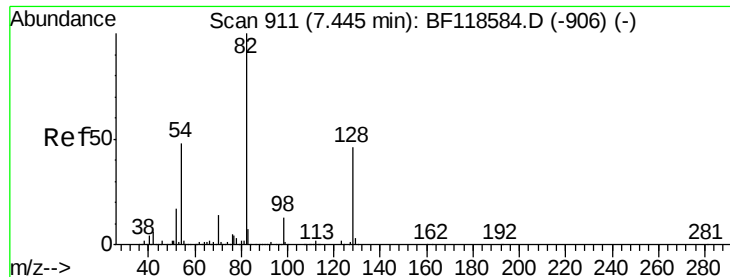
Delta R.T. -0.02 min

Lab File: BF118692.D

Acq: 24 Jan 2020 18:17

Tgt Ion:	136	Resp:	1007271
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	6.6	5.8	8.6
68	5.8	5.0	7.4





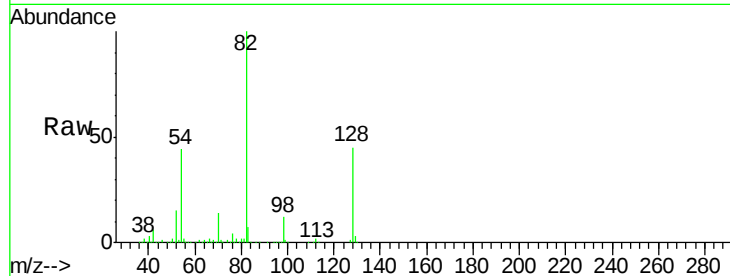
#23
 Nitrobenzene-d5
 Concen: 32.398 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.03 min
 Lab File: BF118692.D
 Acq: 24 Jan 2020 18:17

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-BC-0-3.5

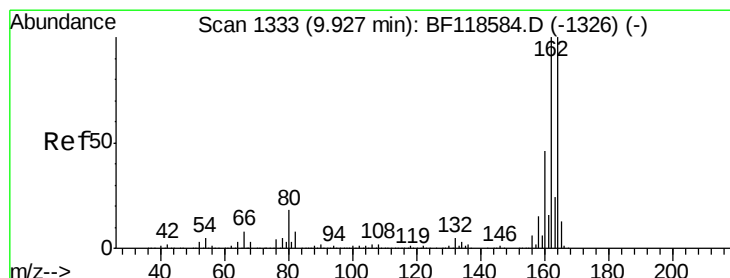
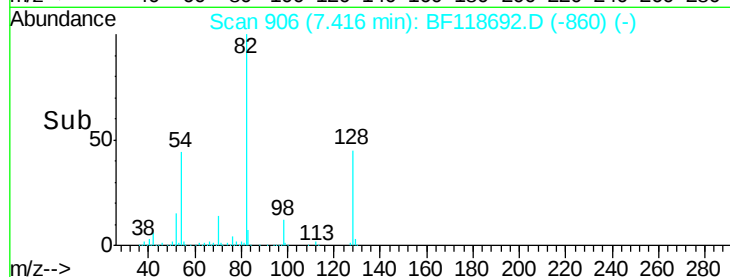
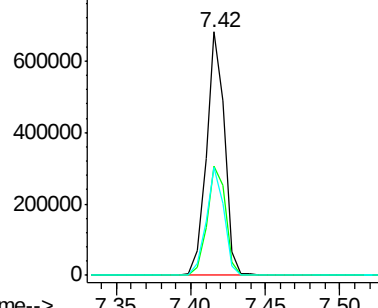
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.6	54.8
54	44.2	38.0	57.0

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:25 AM

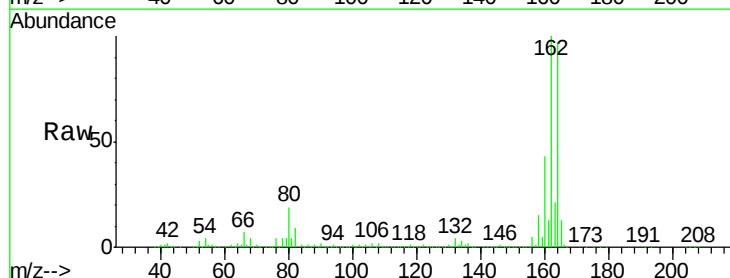


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF1

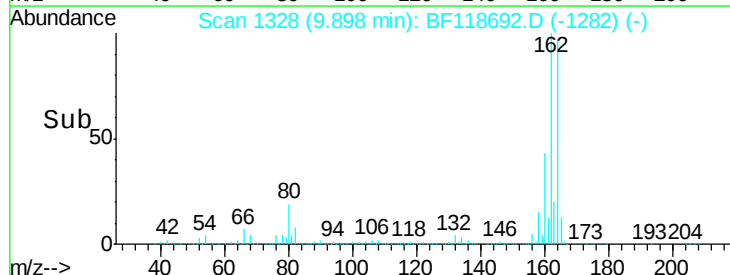
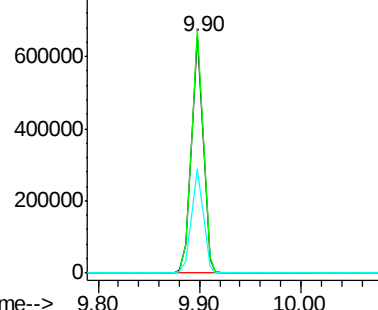


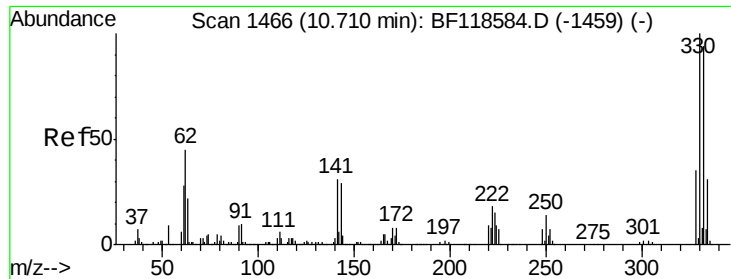
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.03 min
 Lab File: BF118692.D
 Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.4	120.6
160	44.2	36.6	55.0



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





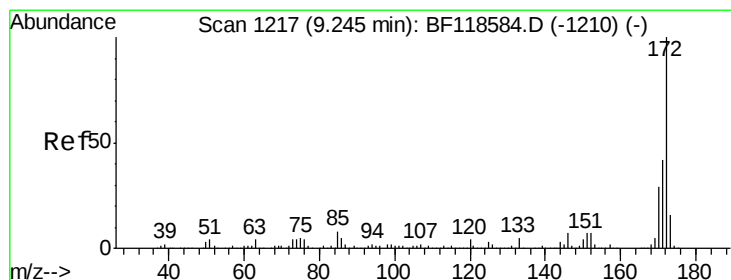
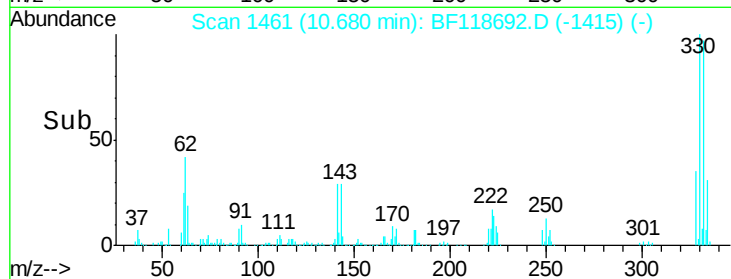
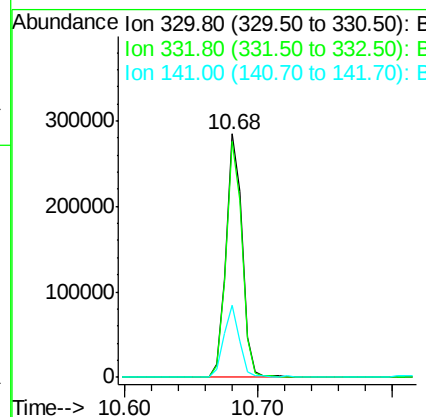
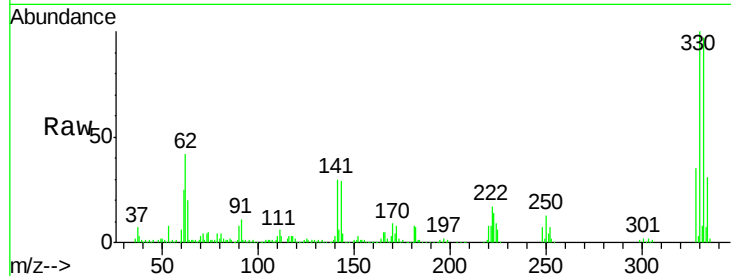
#42
 2,4,6-Tribromophenol
 Concen: 39.076 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.03 min
 Lab File: BF118692.D
 Acq: 24 Jan 2020 18:17

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-BC-0-3.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	245635		
332	96.2	76.2	114.4	
141	28.5	23.9	35.9	

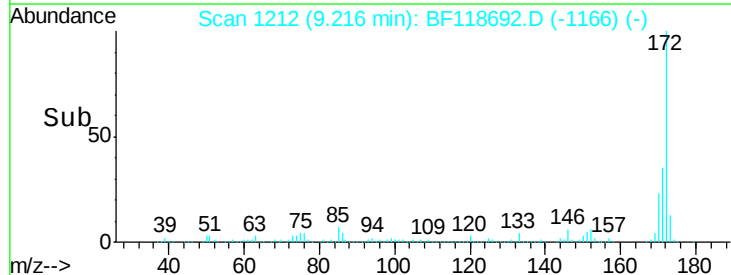
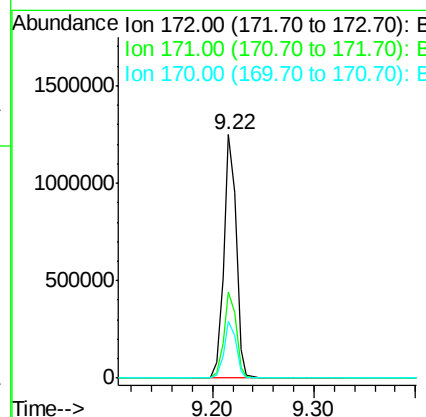
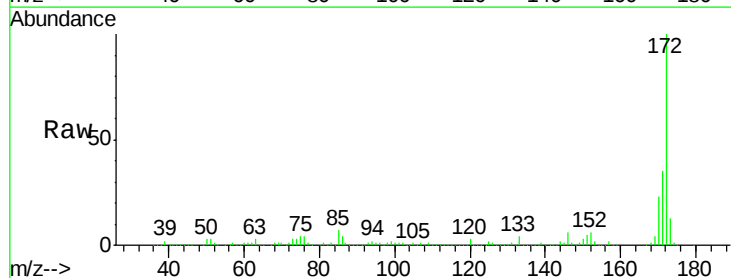
Manual Integrations
 APPROVED

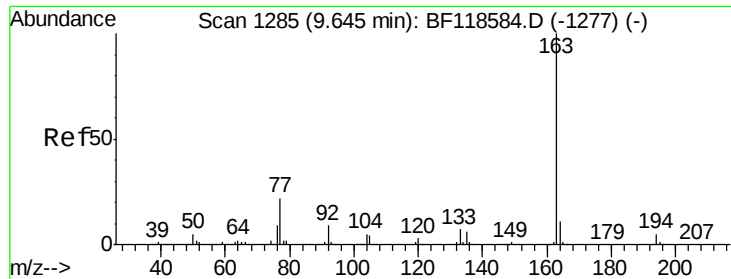
mohammad
 1/28/2020 8:12:25 AM



#45
 2-Fluorobiphenyl
 Concen: 31.955 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.03 min
 Lab File: BF118692.D
 Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1056635		
171	35.4	33.4	50.2	
170	23.4	23.2	34.8	





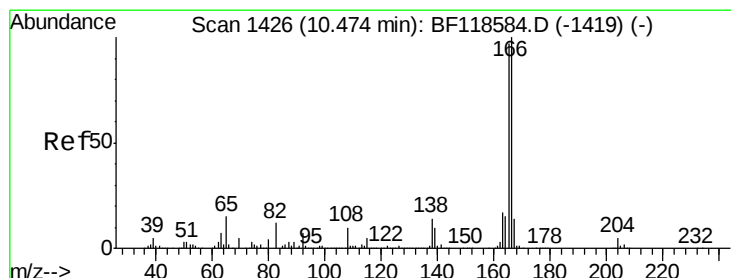
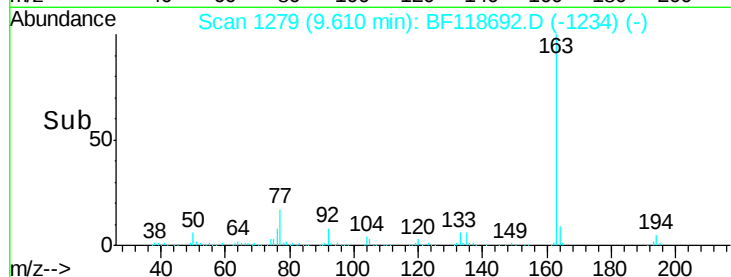
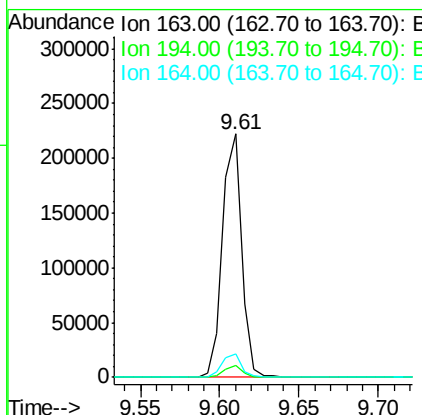
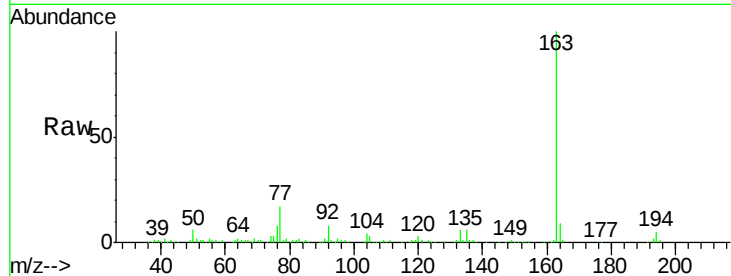
#50
Dimethylphthalate
Concen: 5.287 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.04 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Instrument :
BNA_F
ClientSampleId :
CTY-SB-BC-0-3.5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	187223		
194	4.7		3.9	5.9
164	9.4		9.1	13.7

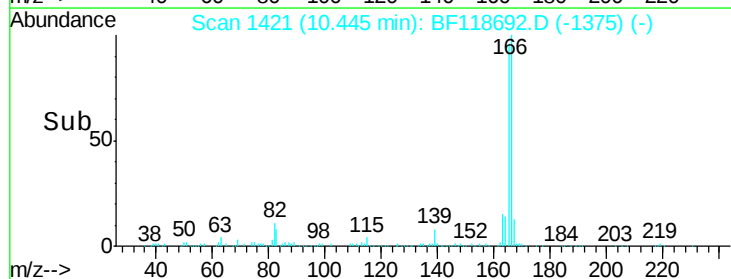
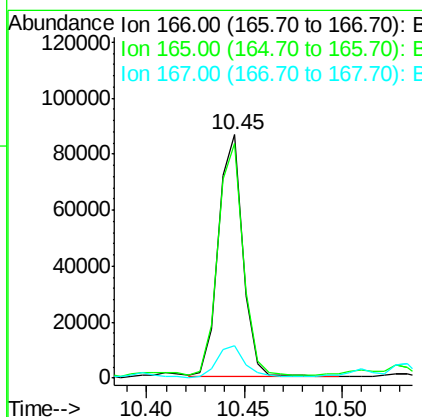
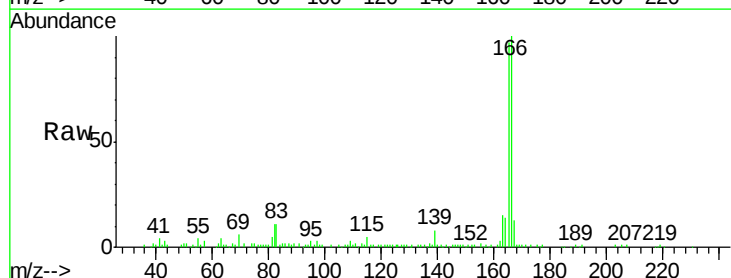
Manual Integrations
APPROVED

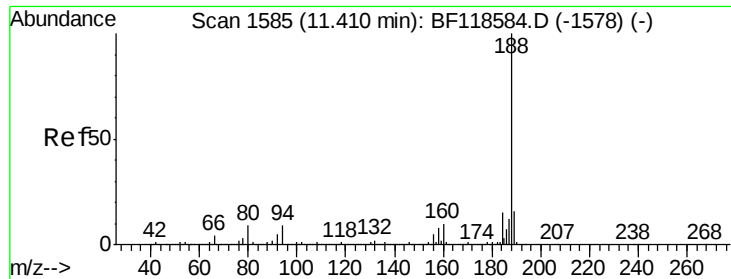
mohammad
1/28/2020 8:12:25 AM



#58
Fluorene
Concen: 2.305 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.03 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	74490		
165	96.6		77.3	115.9
167	13.4		11.5	17.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.03 min

Lab File: BF118692.D

Acq: 24 Jan 2020 18:17

Instrument :

BNA_F

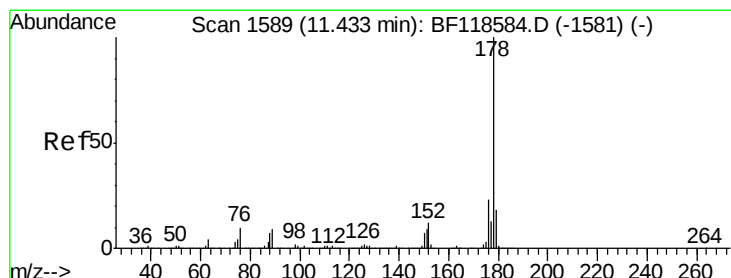
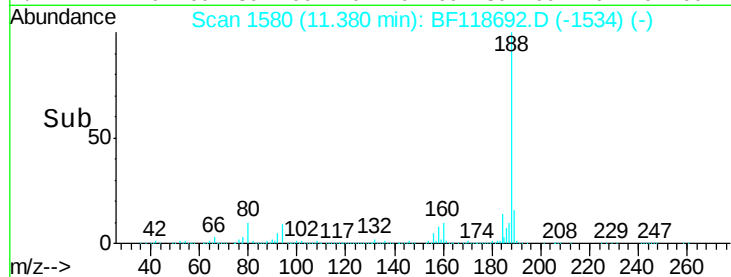
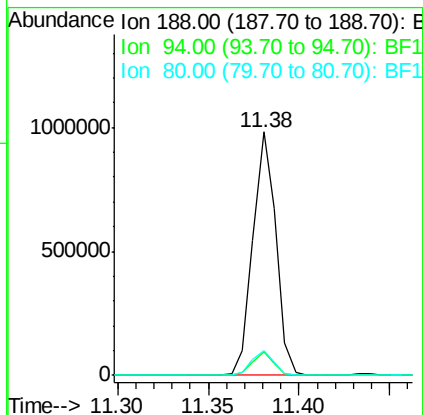
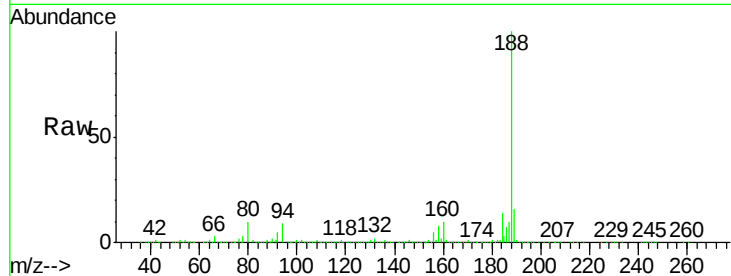
ClientSampleId :

CTY-SB-BC-0-3.5

Tot Ion:	188	Resp:	865753
Ion Ratio	Lower	Upper	
188	100		
94	9.4	7.1	10.7
80	10.2	7.5	11.3

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:25 AM



#71

Phenanthrene

Concen: 20.536 ng

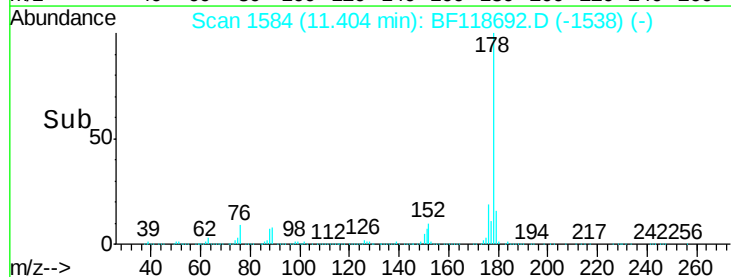
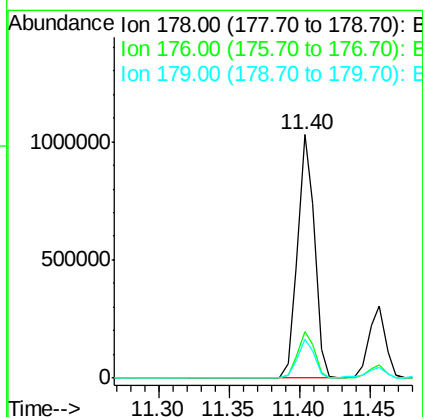
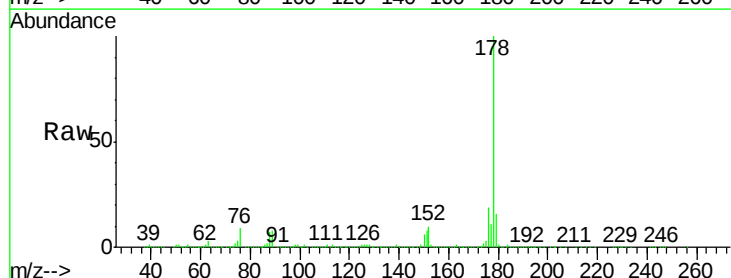
RT: 11.40 min Scan# 1584

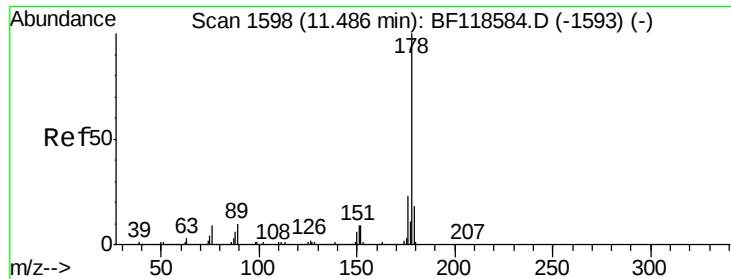
Delta R.T. -0.03 min

Lab File: BF118692.D

Acq: 24 Jan 2020 18:17

Tgt Ion:	178	Resp:	857736
Ion Ratio	Lower	Upper	
178	100		
176	19.0	18.6	27.8
179	15.8	14.7	22.1





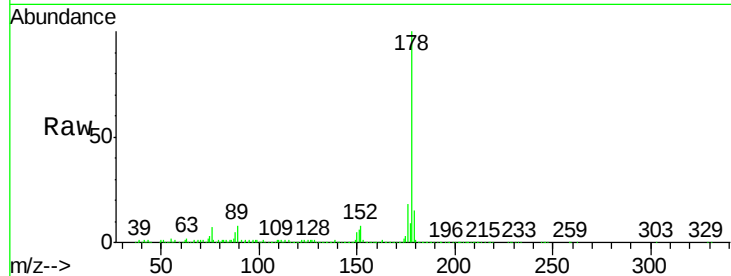
#72
 Anthracene
 Concen: 5.941 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.03 min
 Lab File: BF118692.D
 Acq: 24 Jan 2020 18:17

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-BC-0-3.5

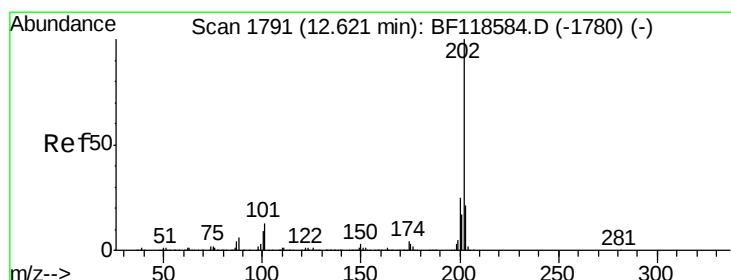
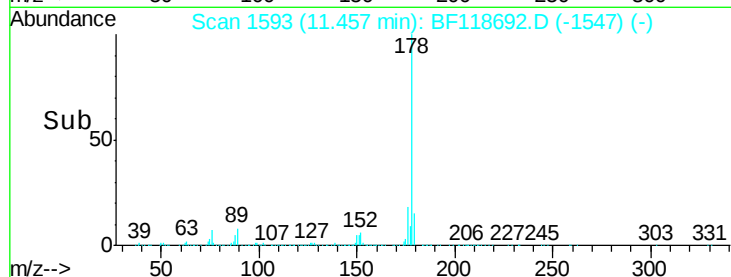
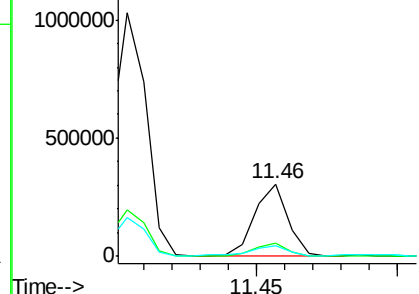
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	18.0	27.0
179	15.4	14.7	22.1

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:25 AM



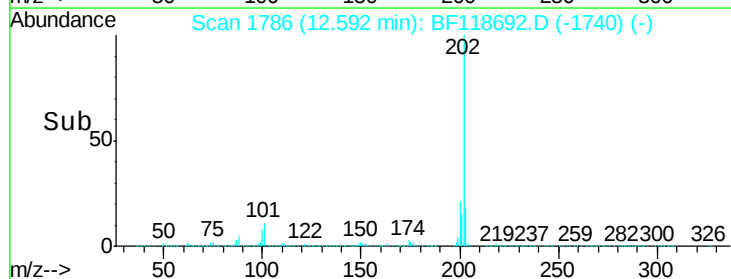
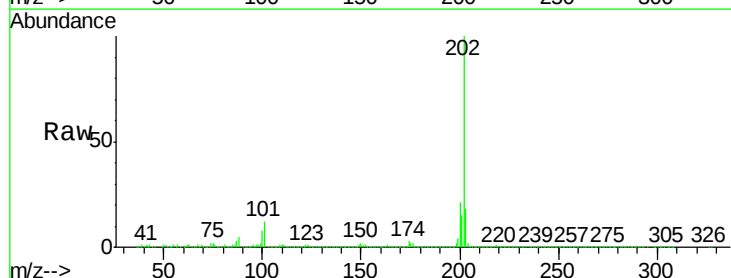
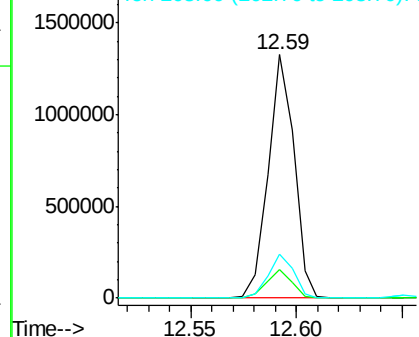
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

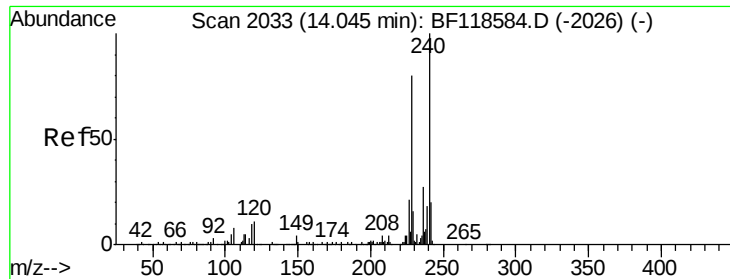


#75
 Fluoranthene
 Concen: 25.680 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.03 min
 Lab File: BF118692.D
 Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.5
203	18.2	0.8	40.8

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





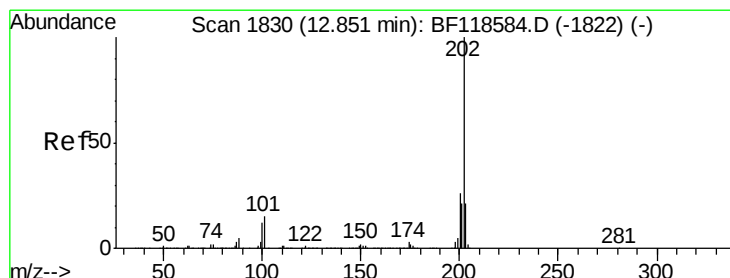
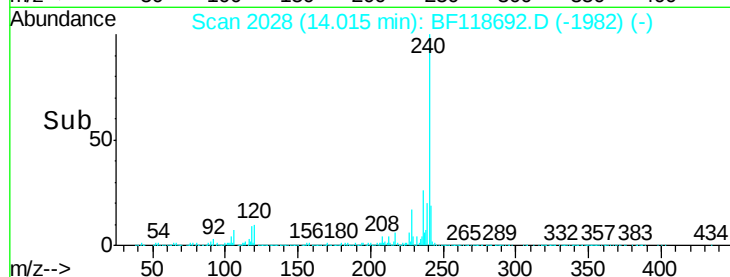
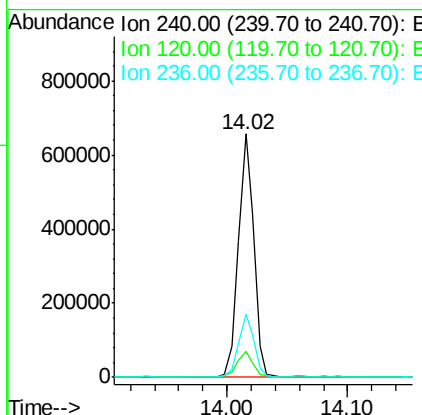
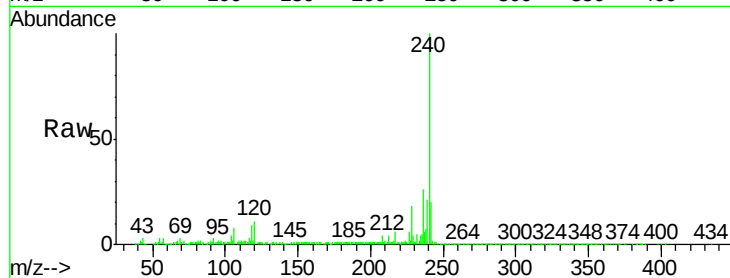
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.03 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Instrument :
BNA_F
ClientSampleId :
CTY-SB-BC-0-3.5

Tot Ion	Ratio	Resp	Lower	Upper
240	100	584462		
120	10.5		8.9	13.3
236	26.0		21.5	32.3

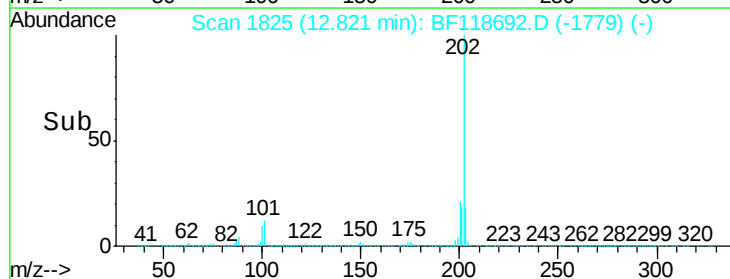
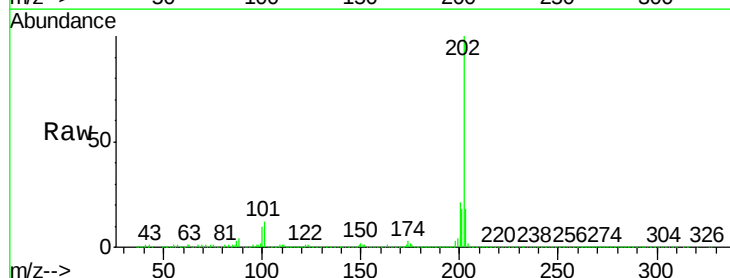
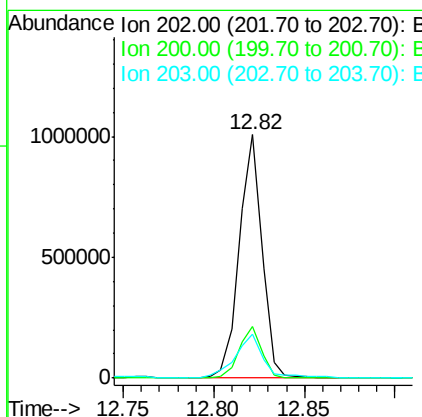
Manual Integrations
APPROVED

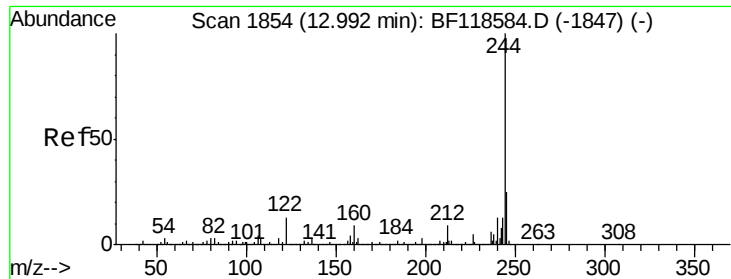
mohammad
1/28/2020 8:12:25 AM



#78
Pyrene
Concen: 22.149 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	878852		
200	21.2		20.6	31.0
203	17.9		16.8	25.2





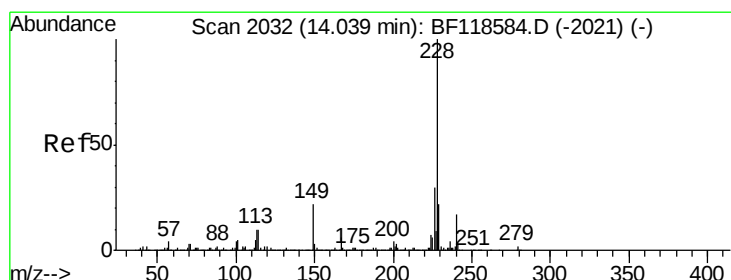
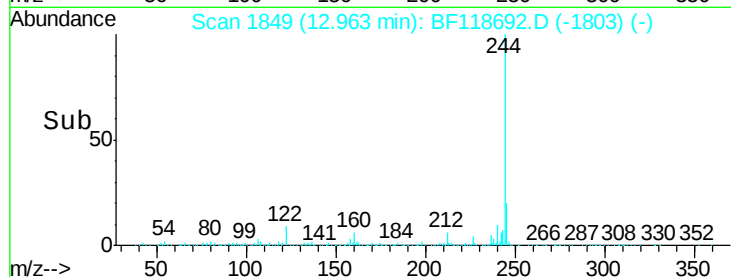
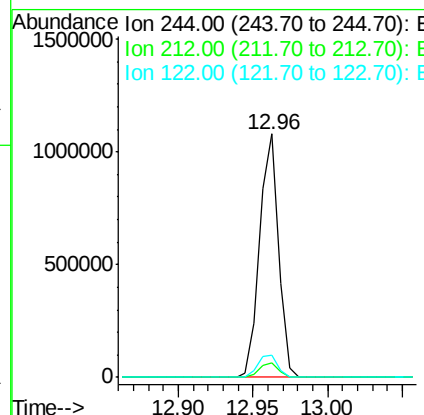
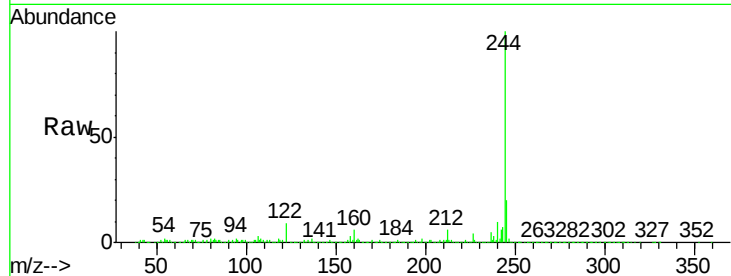
#79
 Terphenyl-d14
 Concen: 34.811 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.03 min
 Lab File: BF118692.D
 Acq: 24 Jan 2020 18:17

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-BC-0-3.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	7.0	10.4#
122	9.2	10.7	16.1#

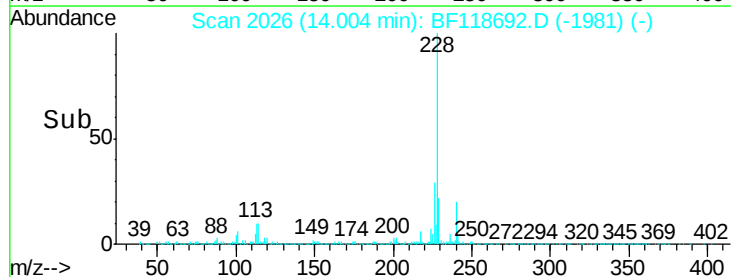
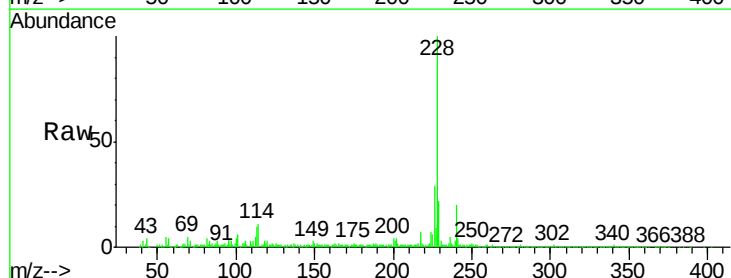
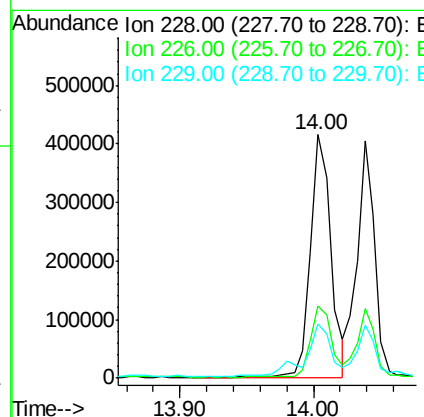
Manual Integrations
 APPROVED

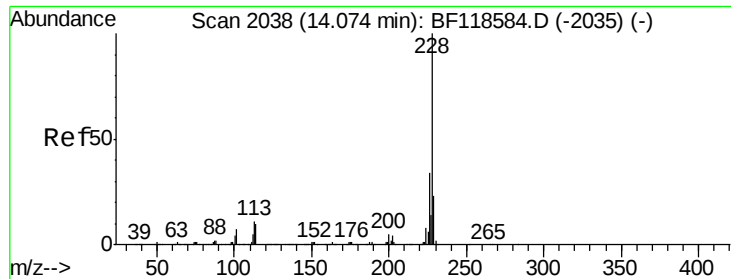
mohammad
 1/28/2020 8:12:25 AM



#81
 Benzo(a)anthracene
 Concen: 12.208 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.04 min
 Lab File: BF118692.D
 Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	22.2	17.6	26.4





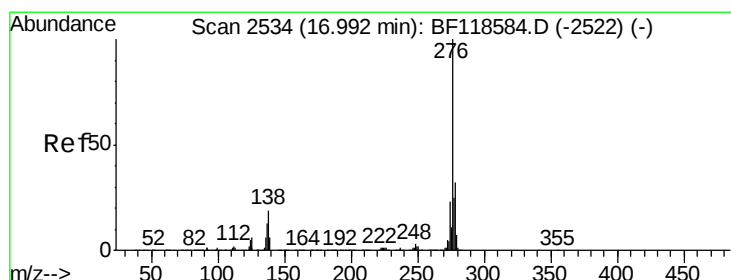
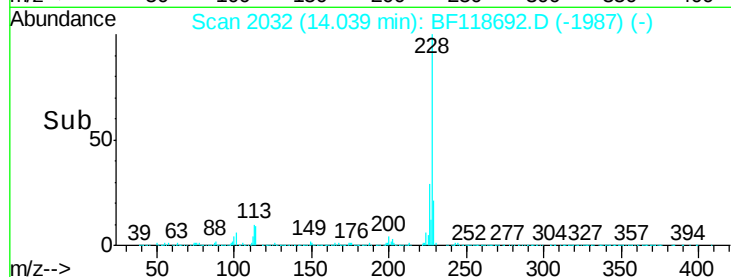
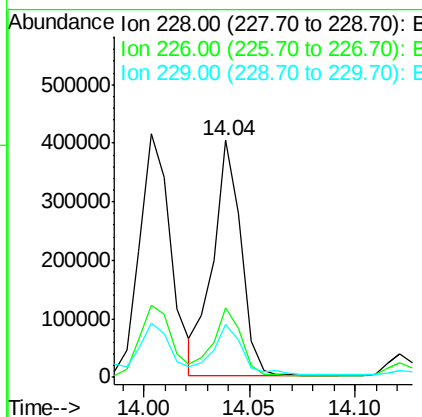
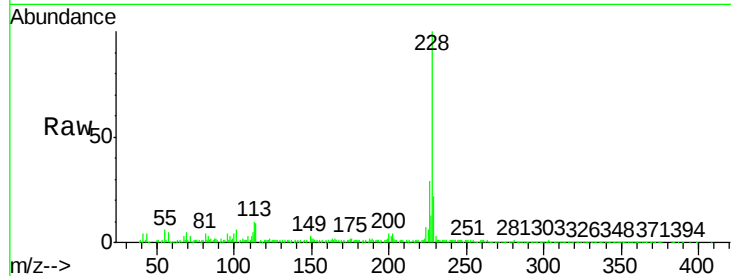
#83
Chrysene
Concen: 11.092 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.04 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Instrument :
BNA_F
ClientSampleId :
CTY-SB-BC-0-3.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	27.4	41.0
229	22.3	18.3	27.5

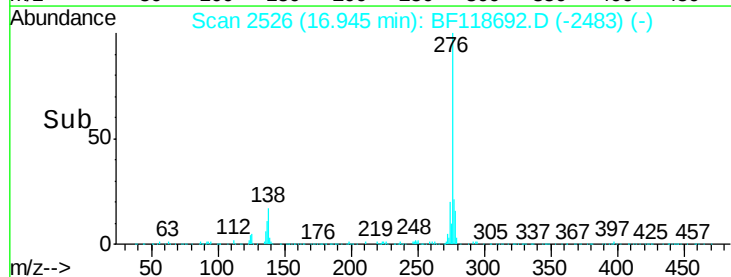
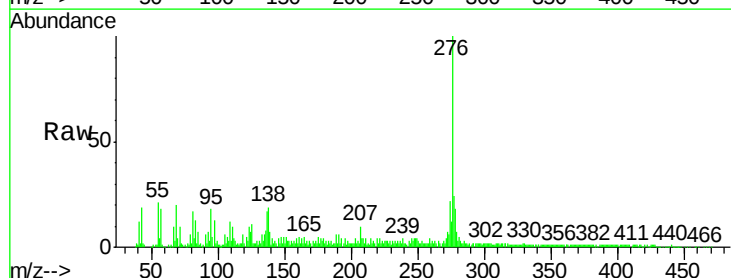
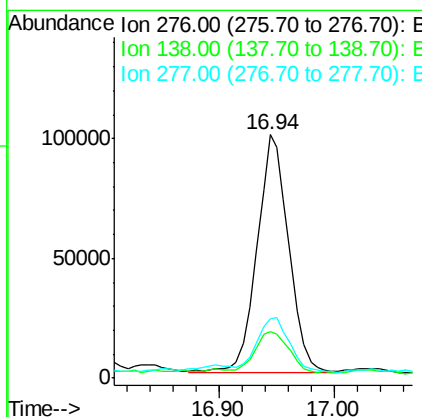
Manual Integrations
APPROVED

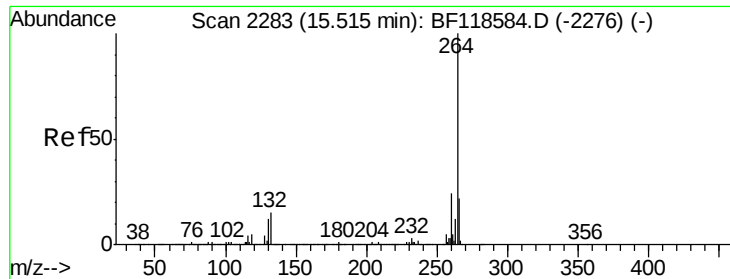
mohammad
1/28/2020 8:12:25 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.544 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.05 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	17.2	25.8
277	23.3	20.5	30.7





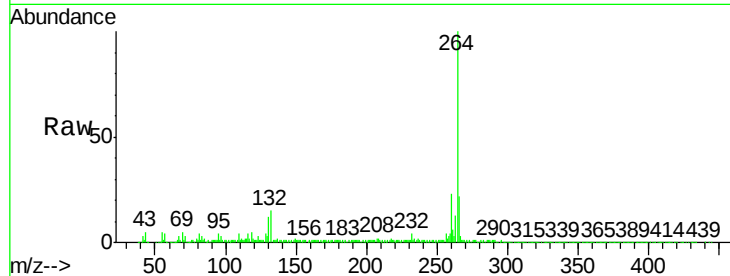
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.03 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Instrument :
BNA_F
ClientSampleId :
CTY-SB-BC-0-3.5

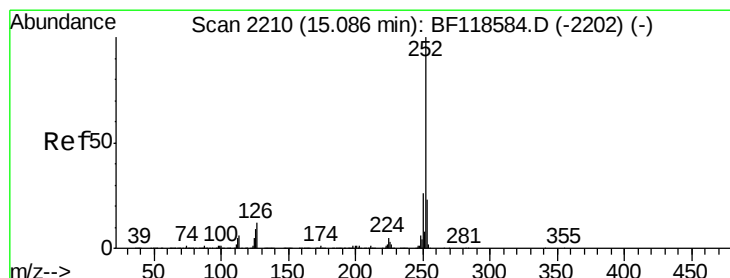
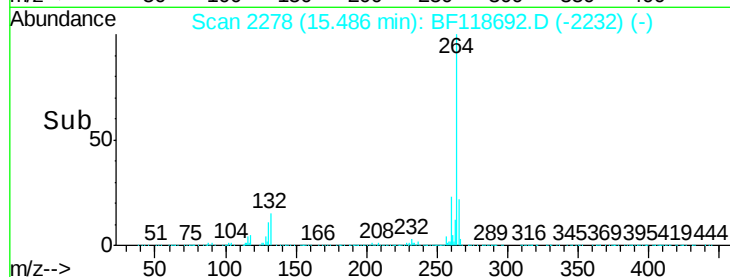
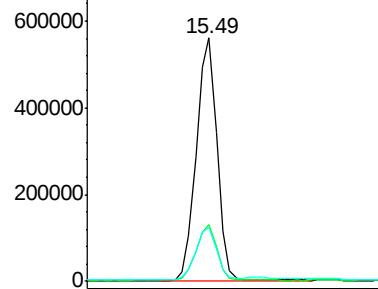
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.6	29.4
265	22.5	17.7	26.5

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:25 AM

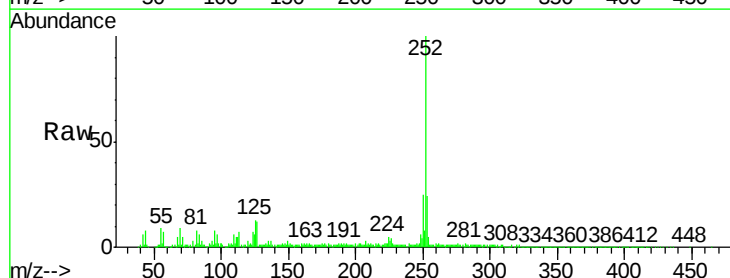


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

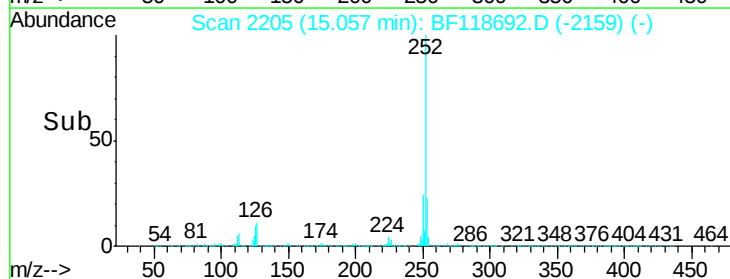
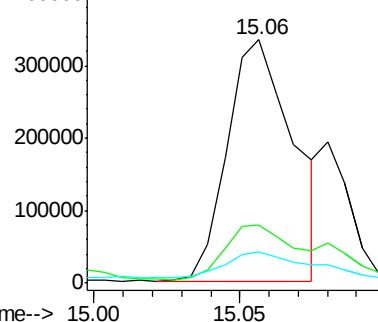


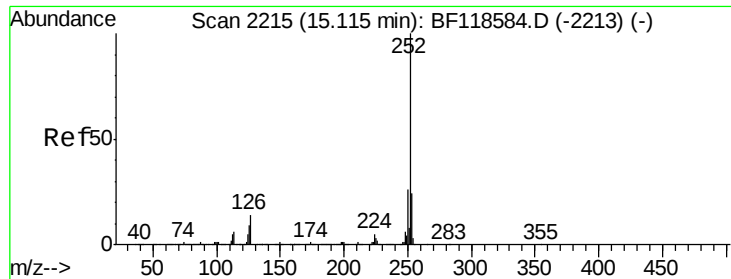
#88
Benzo(b)fluoranthene
Concen: 12.069 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.7	28.1
125	12.6	7.3	10.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





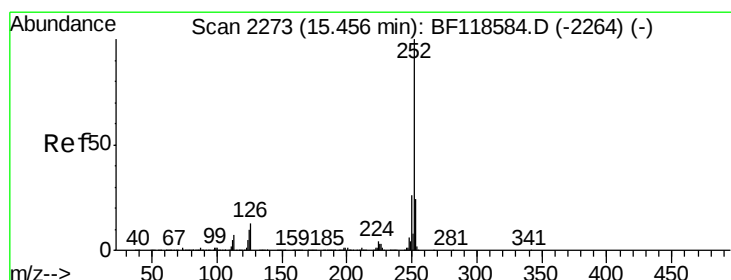
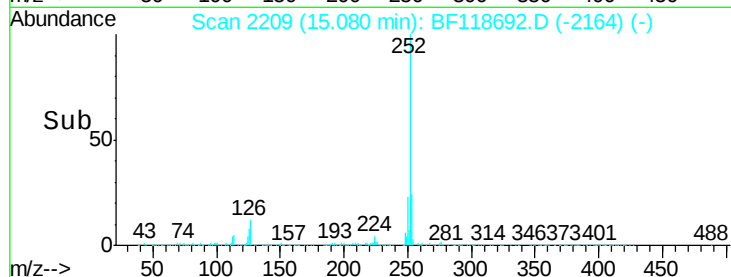
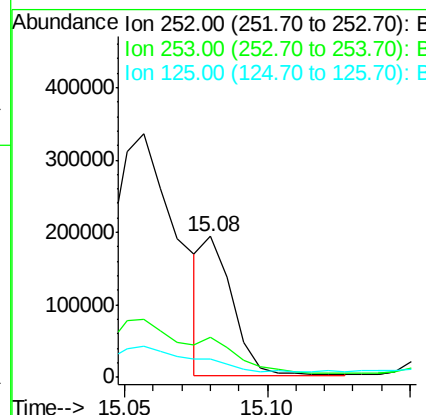
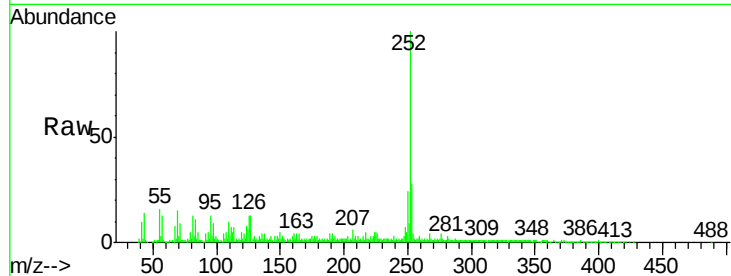
#89
Benzo(k)fluoranthene
Concen: 3.432 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Instrument :
BNA_F
ClientSampleId :
CTY-SB-BC-0-3.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.0	19.0	28.4
125	12.7	7.6	11.4

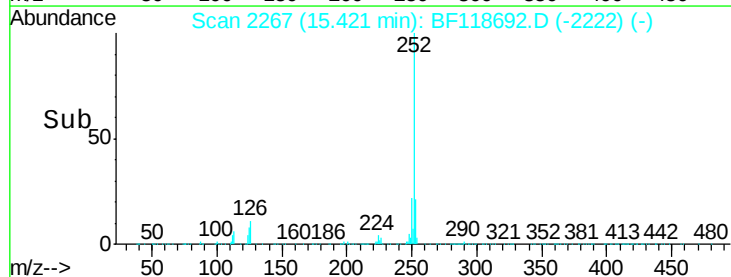
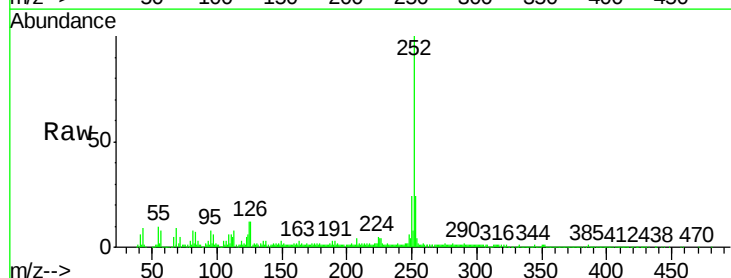
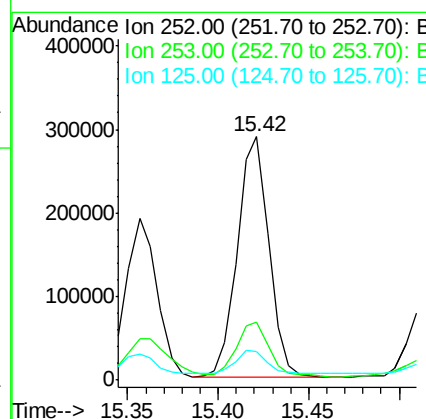
Manual Integrations
APPROVED

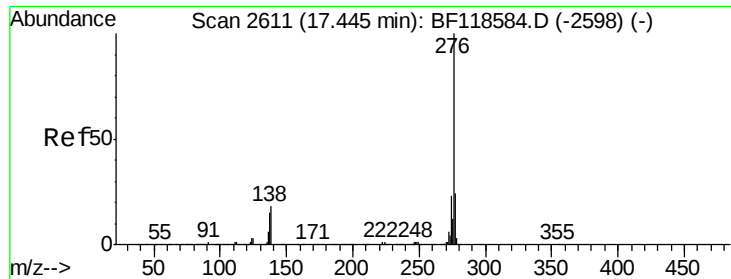
mohammad
1/28/2020 8:12:25 AM



#90
Benzo(a)pyrene
Concen: 9.241 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.04 min
Lab File: BF118692.D
Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.8	28.2
125	12.0	7.8	11.6





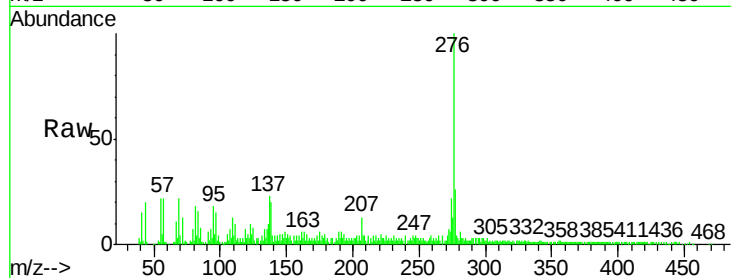
#92
 Benzo(a,h,i)perylene
 Concen: 5.099 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.05 min
 Lab File: BF118692.D
 Acq: 24 Jan 2020 18:17

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-BC-0-3.5

Tot Ion:	276	Resp:	164589
Ion Ratio		Lower	Upper
276	100		
277	26.2	18.9	28.3
138	20.4	14.4	21.6

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:25 AM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

