

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
 Data File : BF118506.D
 Acq On : 8 Jan 2020 18:53
 Operator : JU
 Sample : L1049-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

mohammad
 1/9/2020 12:10:48 PM

Quant Time: Jan 09 03:40:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	67695	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	286331	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	147778	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	244899	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	163019	20.00	ng	-0.01
87) Perylene-d12	15.52	264	208245	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	291380	71.05	ng	0.00
7) Phenol-d6	6.46	99	392868	80.13	ng	-0.01
23) Nitrobenzene-d5	7.39	82	227268	41.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	115273	66.11	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	394386	38.28	ng	-0.01
79) Terphenyl-d14	12.96	244	393770	38.28	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.59	163	32587	2.873	ng	99
71) Phenanthrene	11.39	178	99668	7.265	ng	97
75) Fluoranthene	12.59	202	128613	9.224	ng	96
78) Pyrene	12.82	202	114048	8.503	ng	99
81) Benzo(a)anthracene	14.02	228	71135	6.234	ng	95
83) Chrysene	14.05	228	61978	5.590	ng	98
86) Indeno(1,2,3-cd)pyrene	17.02	276	35050	3.926	ng	99
88) Benzo(b)fluoranthene	15.08	252	101695m	6.755	ng	
90) Benzo(a)pyrene	15.45	252	59543	4.826	ng	98
92) Benzo(g,h,i)perylene	17.47	276	33363	3.044	ng	98

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

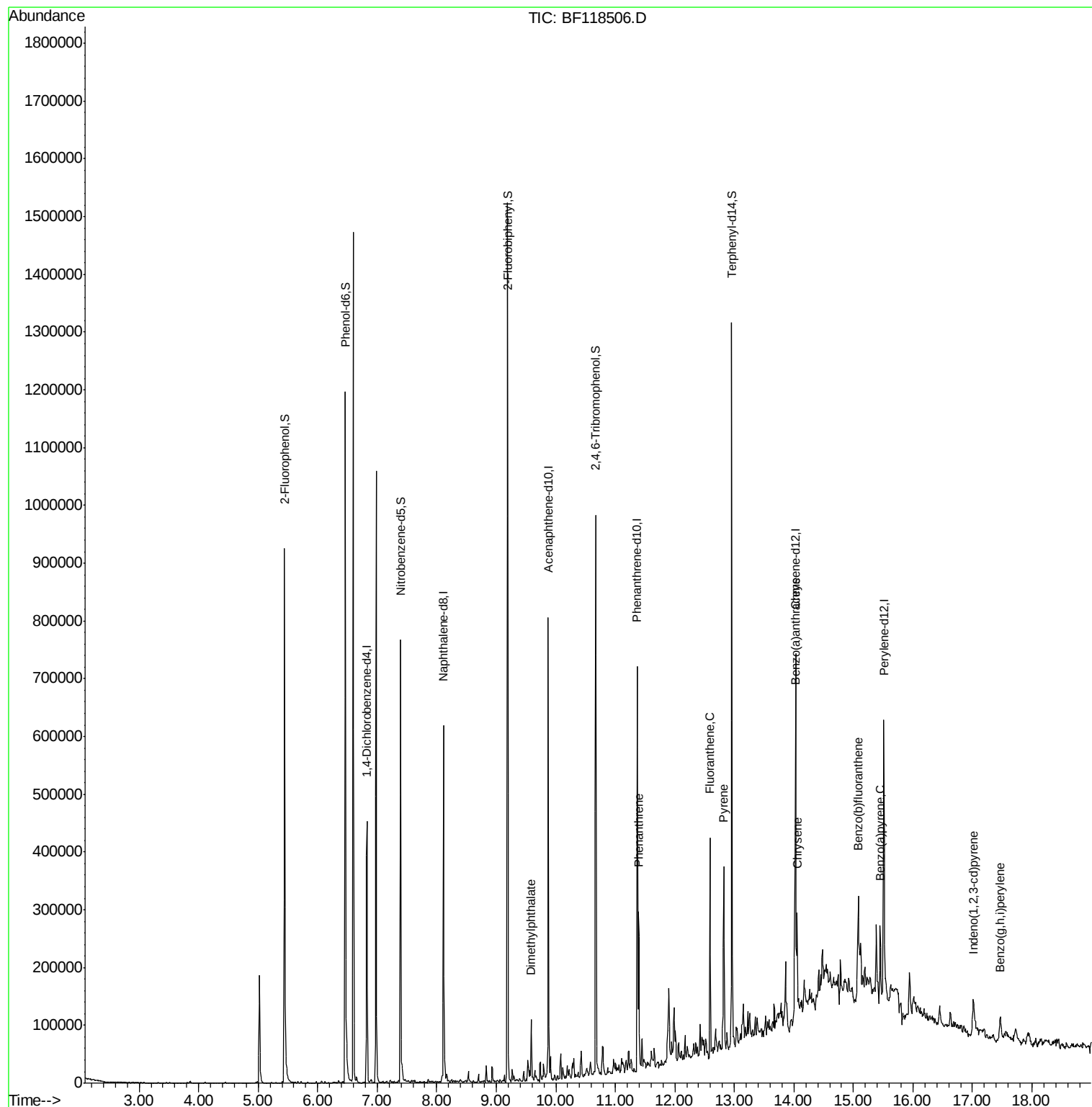
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118506.D
Acq On : 8 Jan 2020 18:53
Operator : JU
Sample : L1049-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

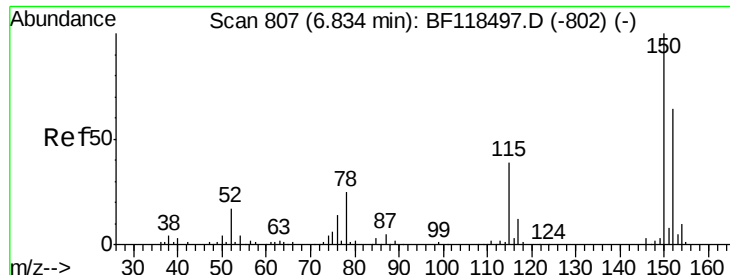
Instrument :
BNA_F
ClientSampled :
TP-1

Manual Integrations
APPROVED

mohammad
1/9/2020 12:10:48 PM

Quant Time: Jan 09 03:40:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 16:06:11 2020
Response via : Initial Calibration





#1

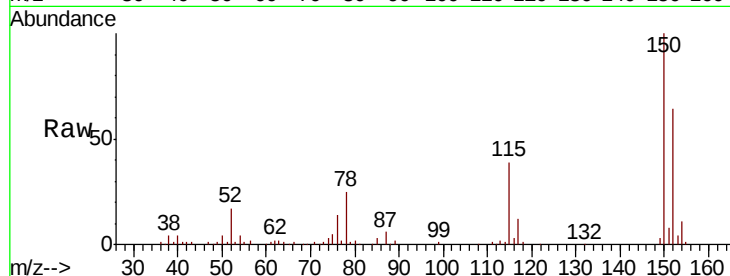
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.7	187.1
115	61.0	49.0	73.6

Manual Integrations
APPROVED

mohammad
1/9/2020 12:10:48 PM



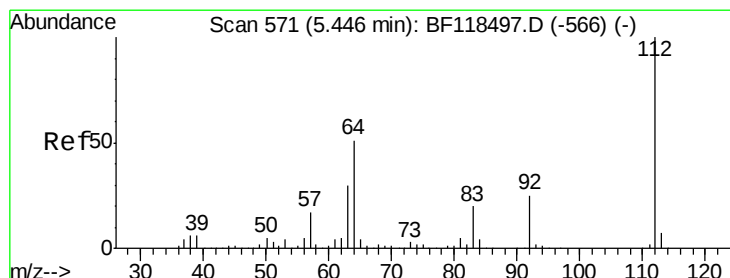
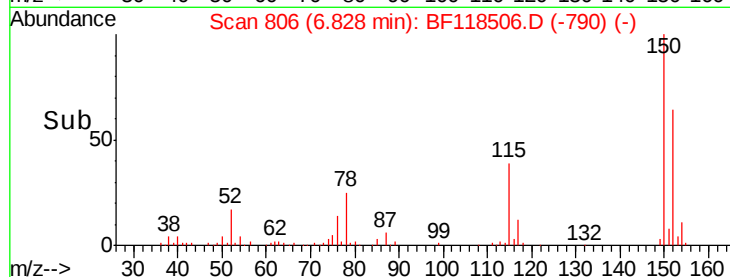
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

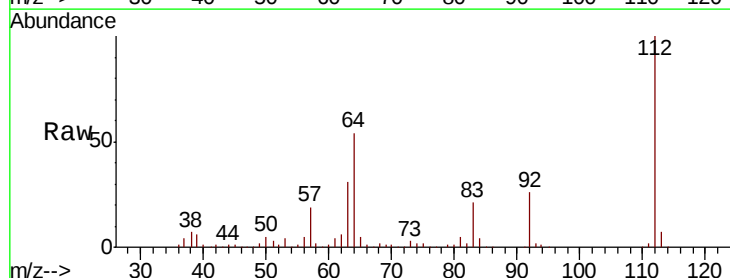
Time-->



#5

2-Fluorophenol
Concen: 71.053 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	41.1	61.7
63	30.9	24.1	36.1



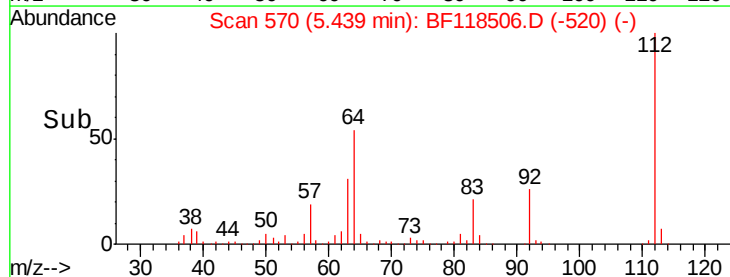
Abundance

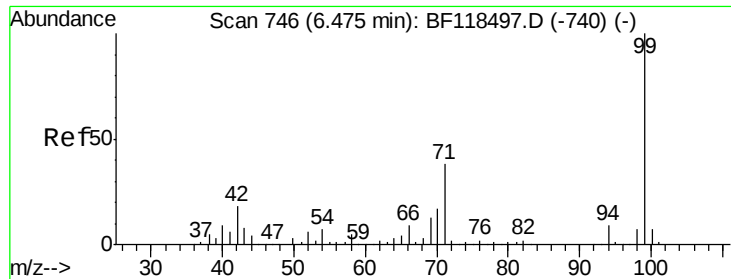
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 80.131 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF118506.D

Acq: 8 Jan 2020 18:53

Instrument :

BNA_F

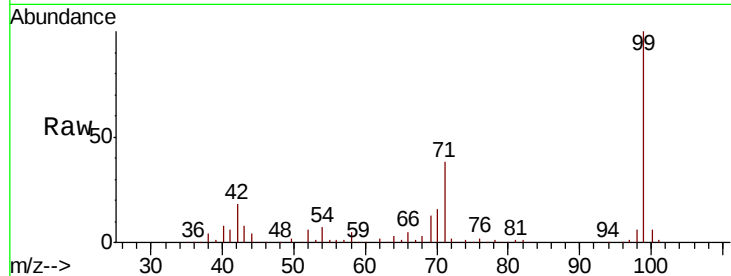
ClientSampled :

TP-1

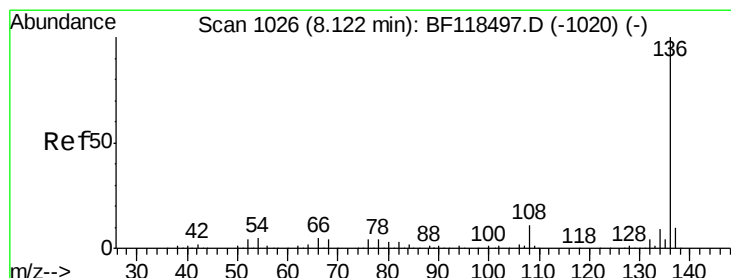
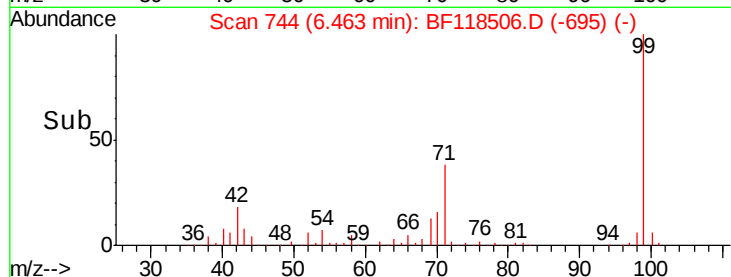
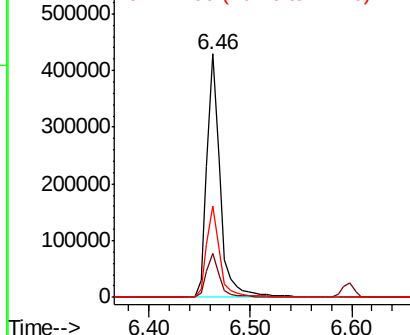
Tot Ion:	99	Resp:	392868
Ion Ratio	Lower	Upper	
99	100		
42	17.8	14.5	21.7
71	37.6	30.6	45.8

Manual Integrations
APPROVED

mohammad
1/9/2020 12:10:48 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: 20.000 ng

RT: 8.12 min Scan# 1025

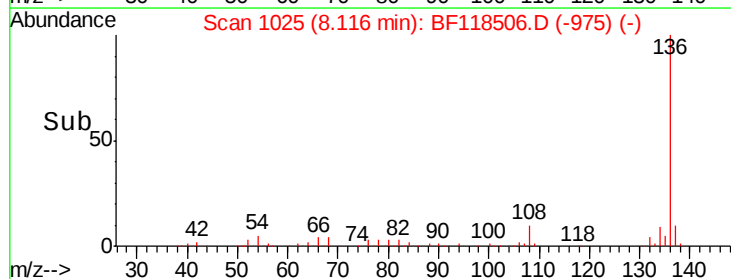
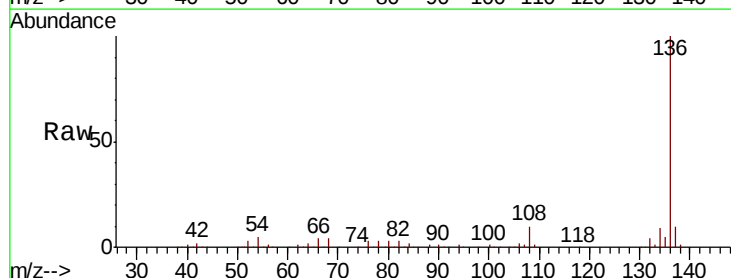
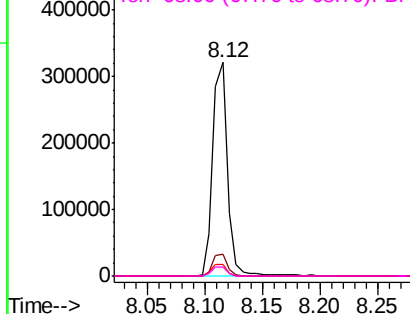
Delta R.T. -0.01 min

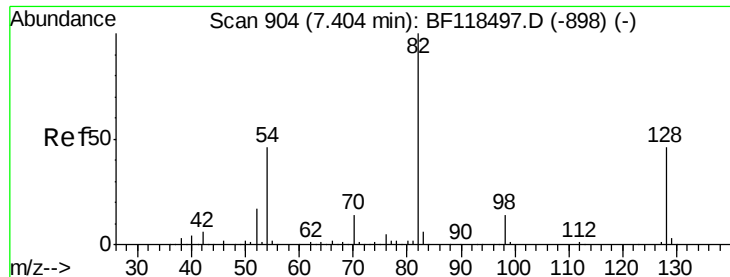
Lab File: BF118506.D

Acq: 8 Jan 2020 18:53

Tgt Ion:	136	Resp:	286331
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.3	12.5
54	5.5	4.2	6.2
68	4.0	3.3	4.9

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





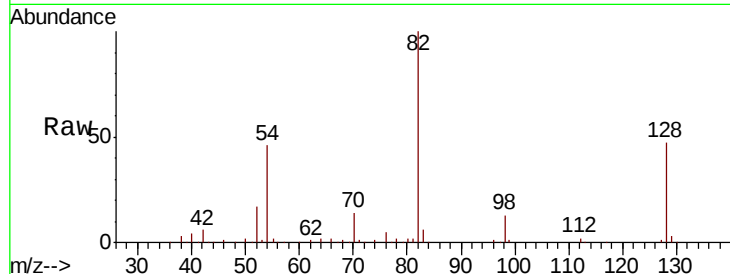
#23
 Nitrobenzene-d5
 Concen: 41.695 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF118506.D
 Acq: 8 Jan 2020 18:53

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100	227268		
128	47.1	36.6	54.8	
54	45.7	37.0	55.6	

Manual Integrations
 APPROVED

mohammad
 1/9/2020 12:10:48 PM

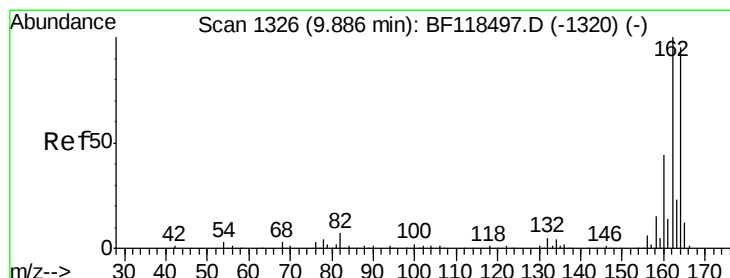
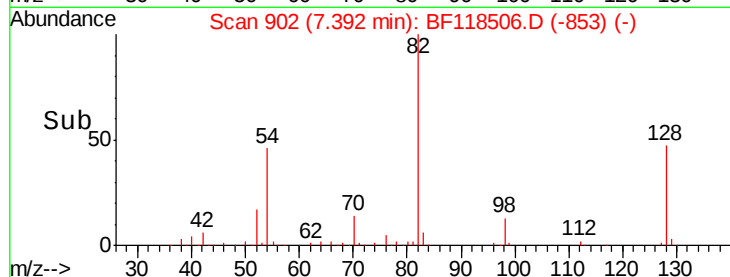
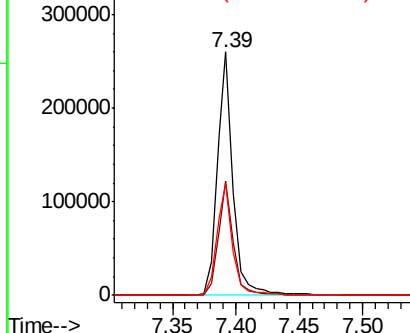


Abundance

Ion 82.00 (81.70 to 82.70): BF1

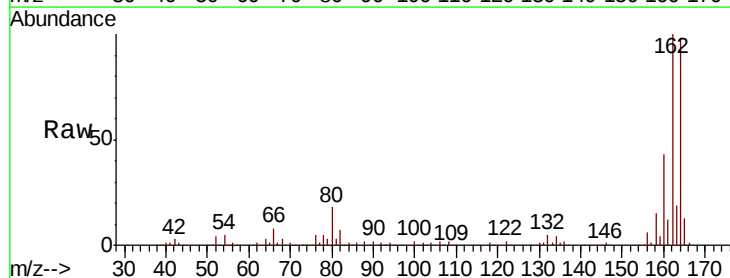
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF118506.D
 Acq: 8 Jan 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147778		
162	102.4	84.2	126.4	
160	44.1	36.8	55.2	

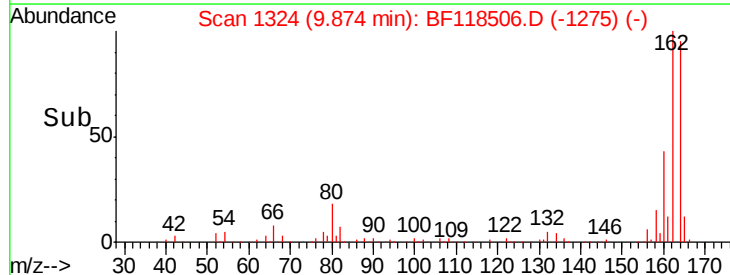
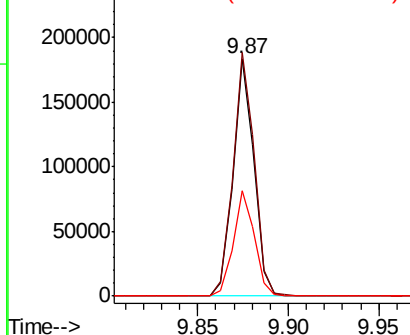


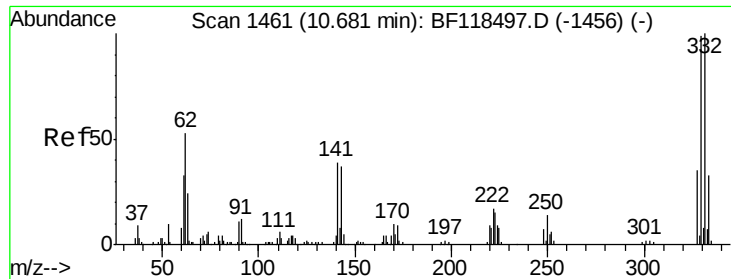
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





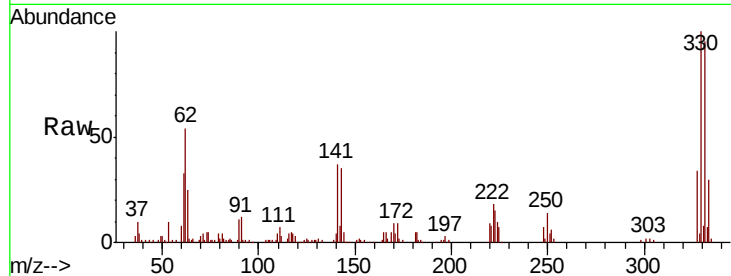
#42
 2,4,6-Tribromophenol
 Concen: 66.106 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF118506.D
 Acq: 8 Jan 2020 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.9	116.9
141	35.1	28.6	43.0

Manual Integrations
 APPROVED

mohammad
 1/9/2020 12:10:48 PM

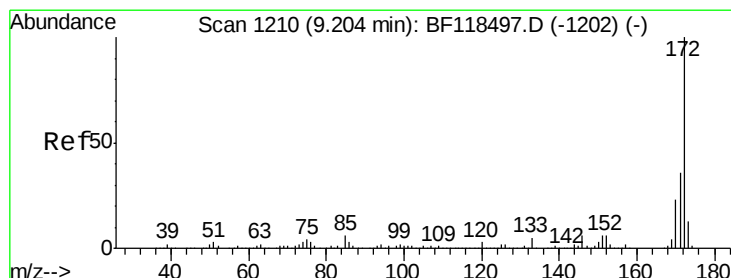
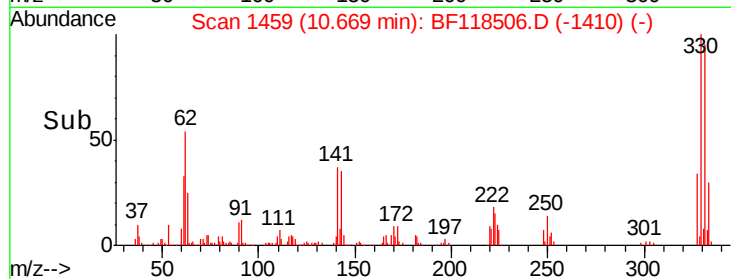
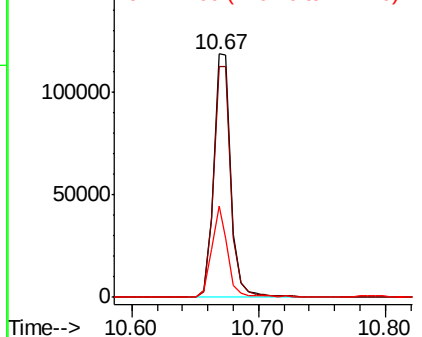


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 38.276 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF118506.D
 Acq: 8 Jan 2020 18:53

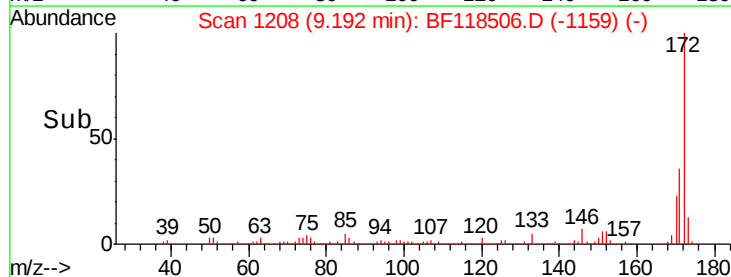
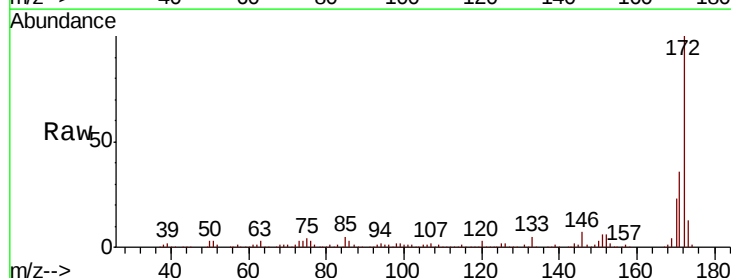
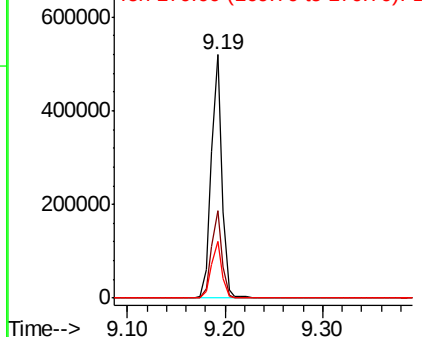
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.3	18.6	27.8

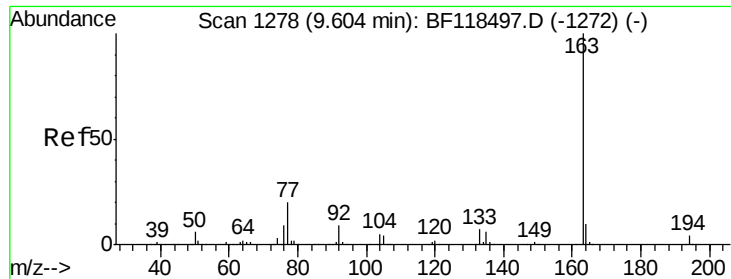
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





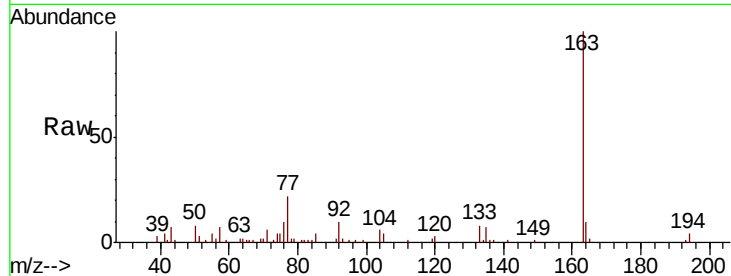
#50
Dimethylphthalate
Concen: 2.873 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Instrument :
BNA_F
ClientSampled :
TP-1

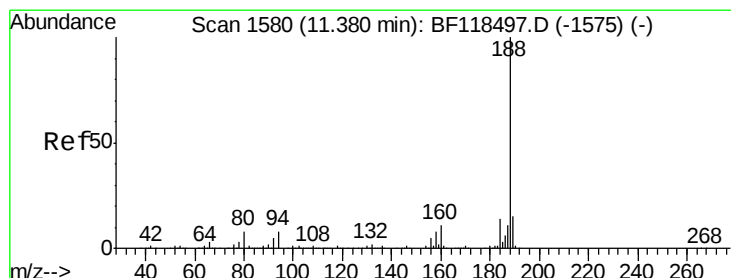
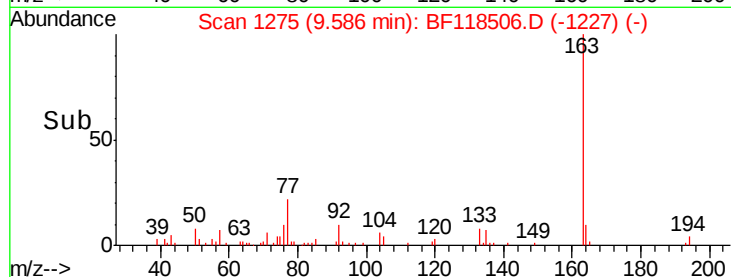
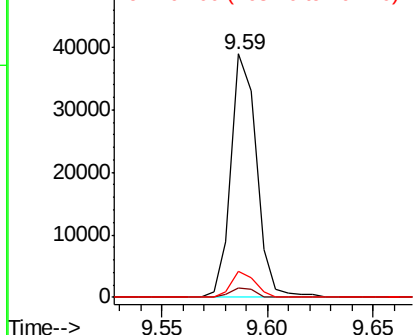
Tot Ion:	163	Resp:	32587
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.5	8.1	12.1

Manual Integrations
APPROVED

mohammad
1/9/2020 12:10:48 PM

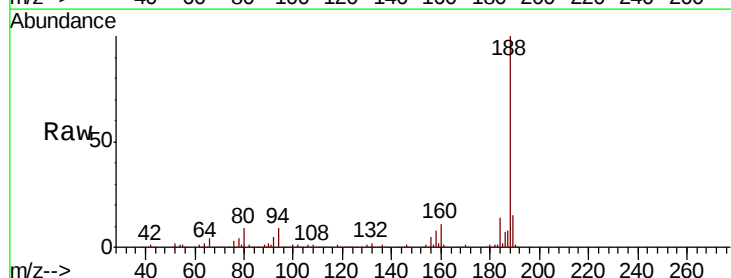


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

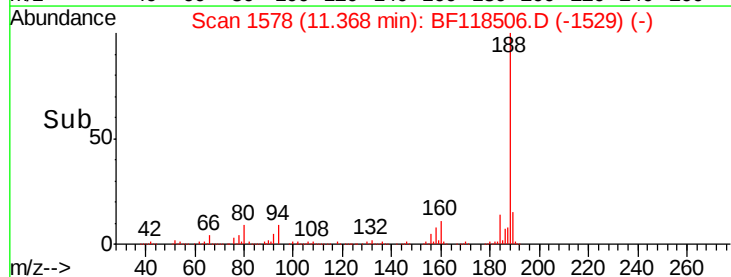
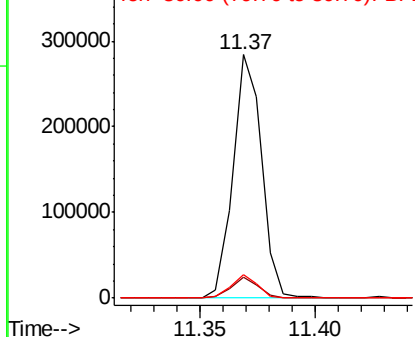


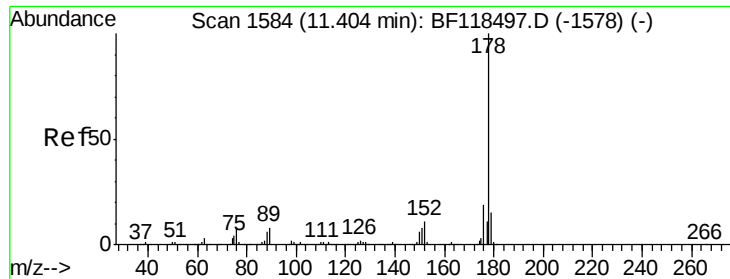
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Tgt Ion:	188	Resp:	244899
Ion Ratio	Lower	Upper	
188	100		
94	8.7	6.2	9.4
80	9.4	6.6	10.0



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





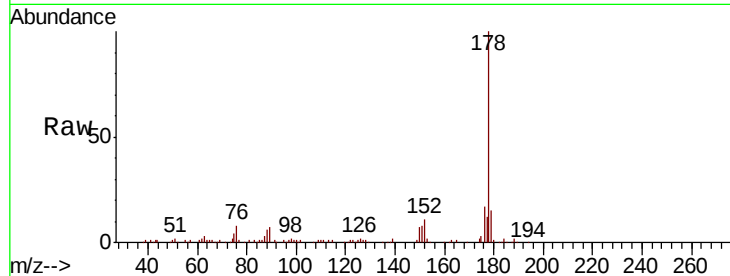
#71
Phenanthrene
Concen: 7.265 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.2	22.8
179	15.3	12.3	18.5

Manual Integrations
APPROVED

mohammad
1/9/2020 12:10:48 PM

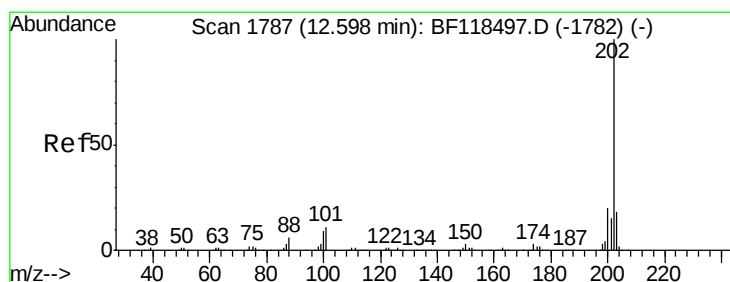
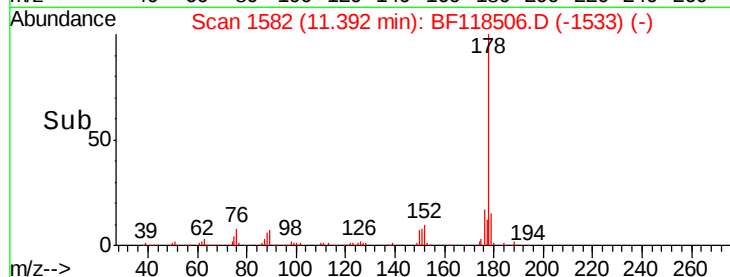
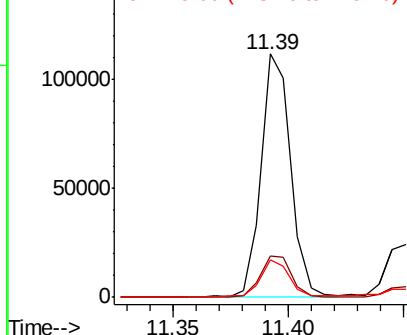


Abundance

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: 9.224 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

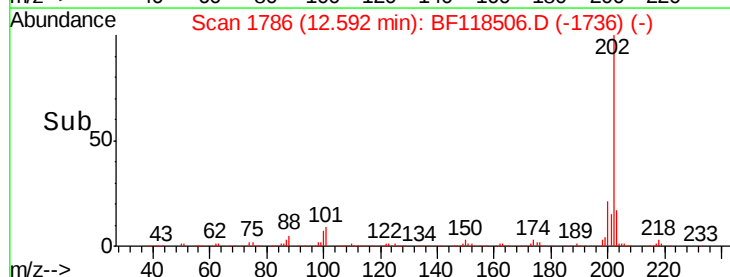
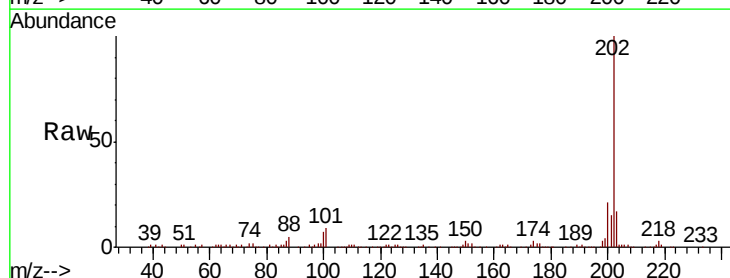
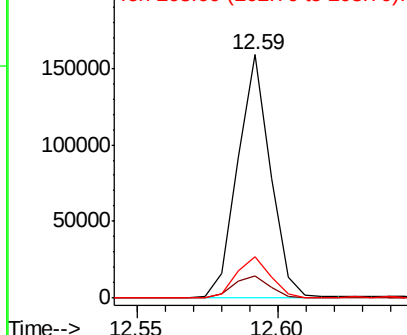
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	31.4
203	17.2	0.0	38.1

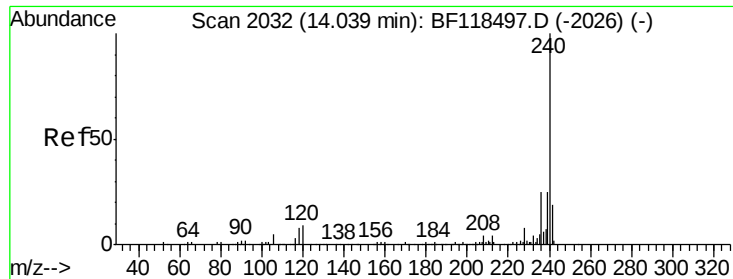
Abundance

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





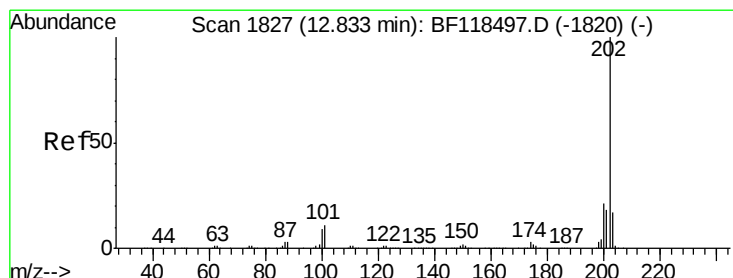
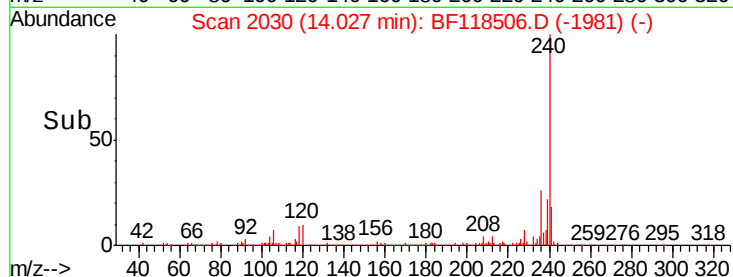
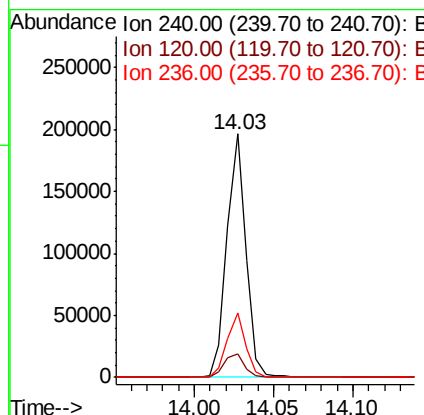
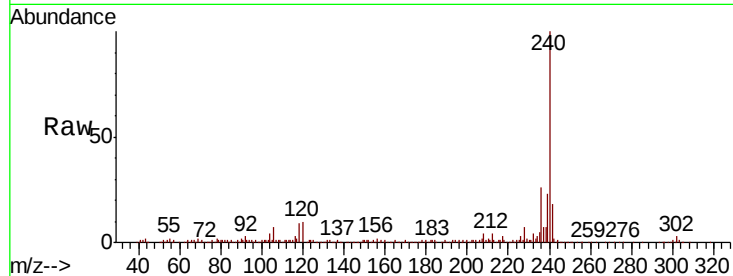
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.0	10.6
236	26.3	20.1	30.1

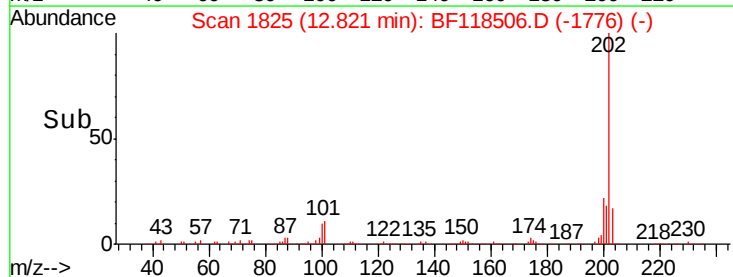
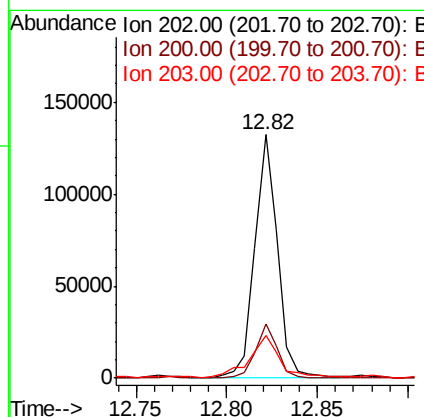
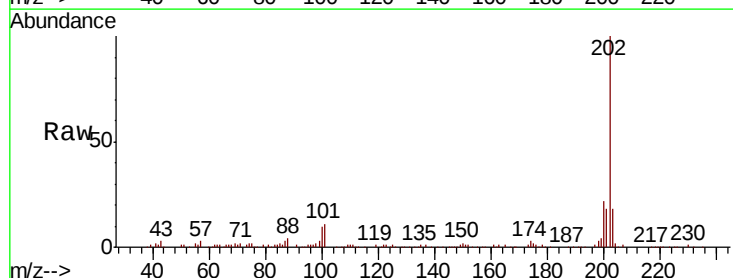
Manual Integrations
APPROVED

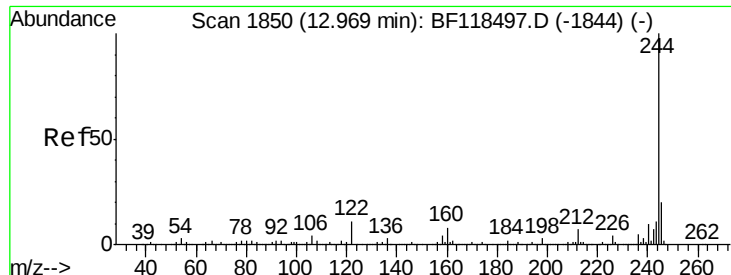
mohammad
1/9/2020 12:10:48 PM



#78
Pyrene
Concen: 8.503 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.9	25.3
203	17.5	13.9	20.9





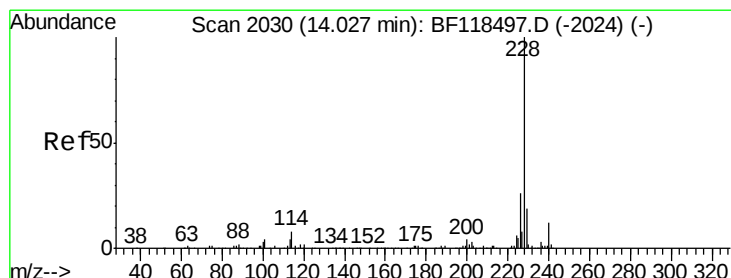
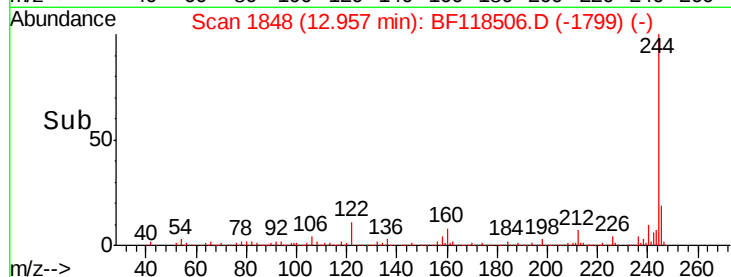
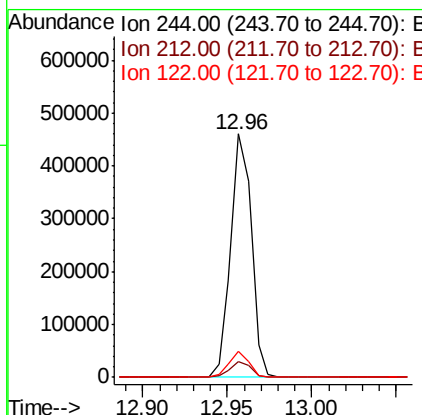
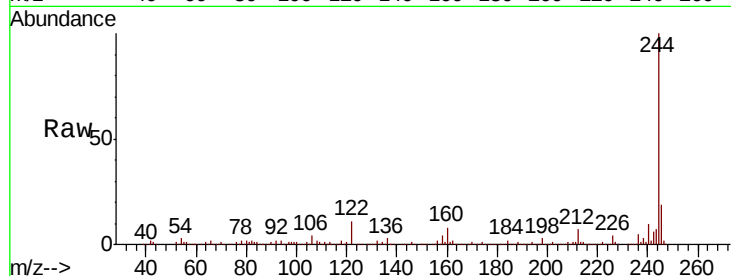
#79
 Terphenyl-d14
 Concen: 38.278 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF118506.D
 Acq: 8 Jan 2020 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Resp	Lower	Upper
244	100	393770		
212	6.5	5.6	8.4	
122	10.6	9.0	13.6	

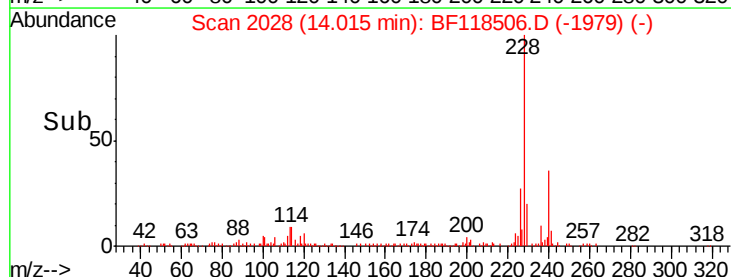
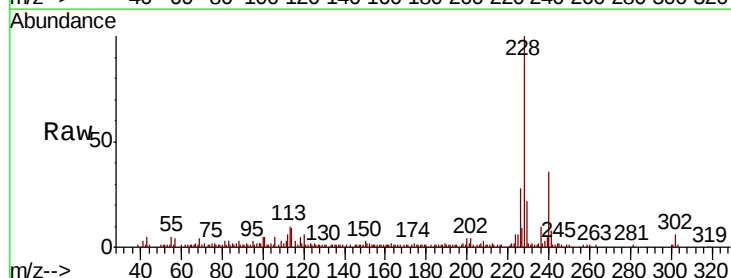
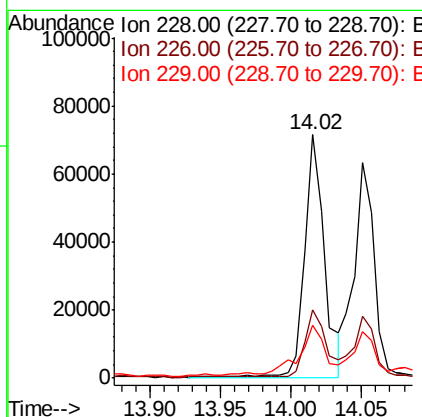
Manual Integrations
 APPROVED

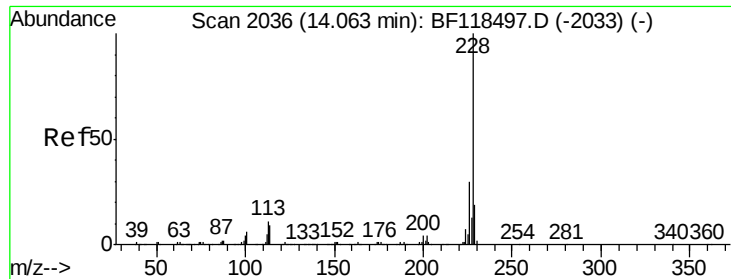
mohammad
 1/9/2020 12:10:48 PM



#81
 Benzo(a)anthracene
 Concen: 6.234 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF118506.D
 Acq: 8 Jan 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	71135		
226	28.3	20.7	31.1	
229	21.6	15.4	23.2	





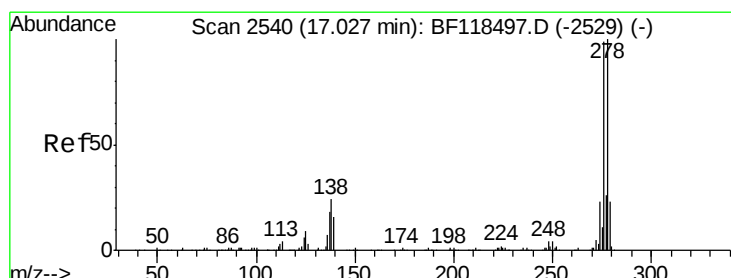
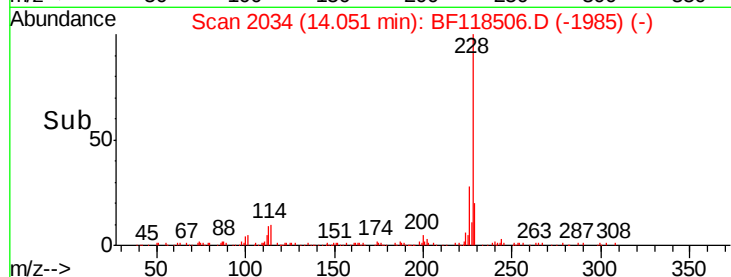
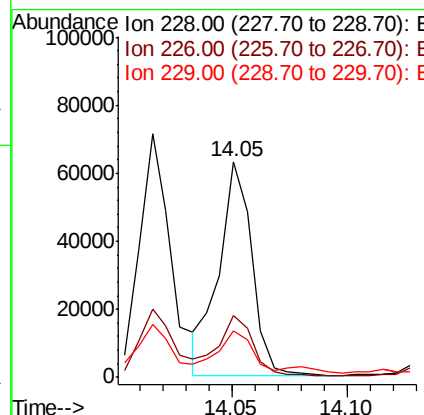
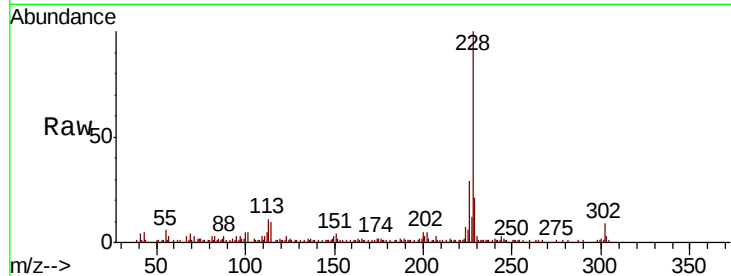
#83
Chrysene
Concen: 5.590 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.6	35.4
229	21.5	15.6	23.4

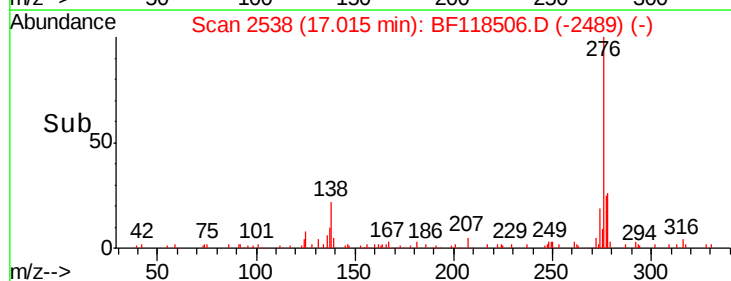
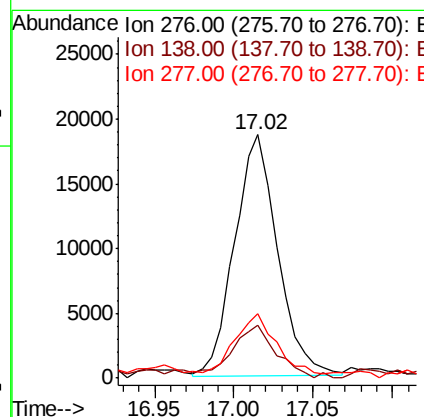
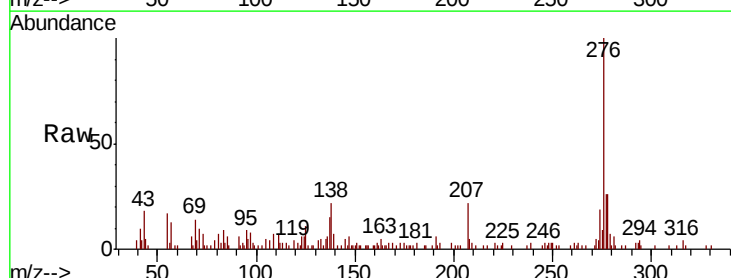
Manual Integrations
APPROVED

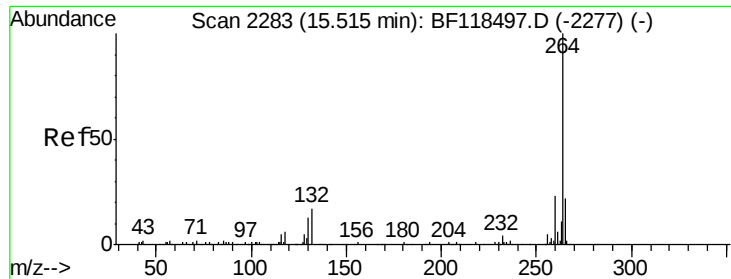
mohammad
1/9/2020 12:10:48 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.926 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.8	19.0	28.4
277	25.1	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF118506.D

Acq: 8 Jan 2020 18:53

Instrument :

BNA_F

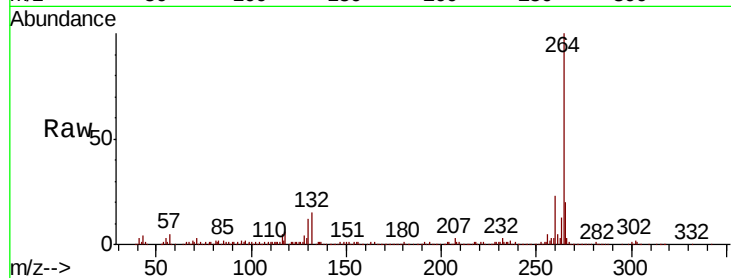
ClientSampleId :

TP-1

Tot Ion:	264	Resp:	208245
Ion Ratio	Lower	Upper	
264	100		
260	22.7	18.8	28.2
265	20.5	17.5	26.3

Manual Integrations
APPROVED

mohammad
1/9/2020 12:10:48 PM

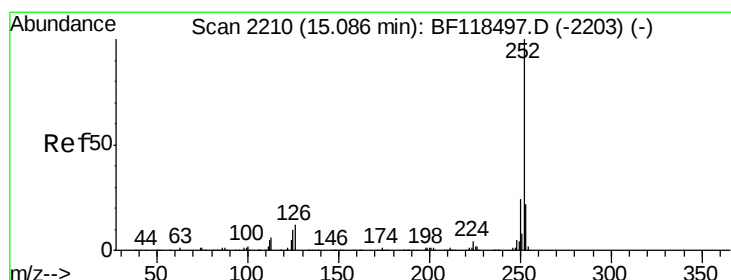
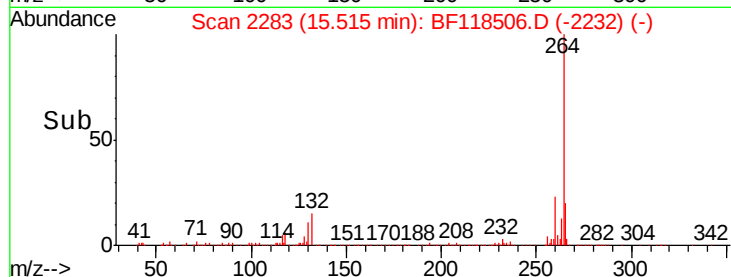
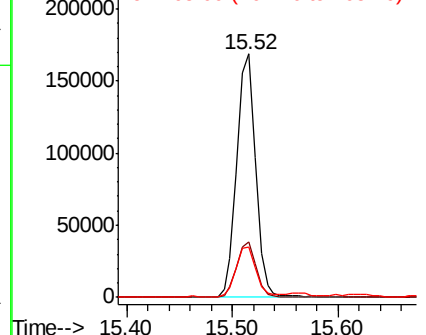


Abundance

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: 6.755 ng m

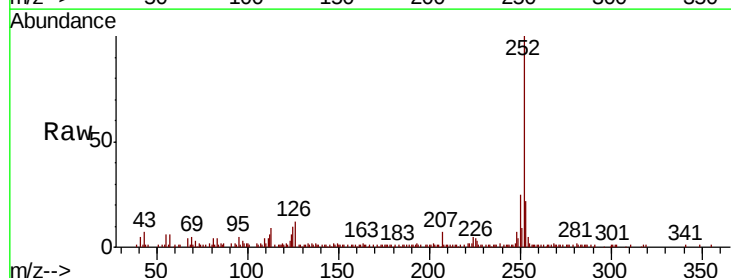
RT: 15.08 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF118506.D

Acq: 8 Jan 2020 18:53

Tgt Ion:	252	Resp:	101695
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.6	26.4
125	10.2	7.8	11.6

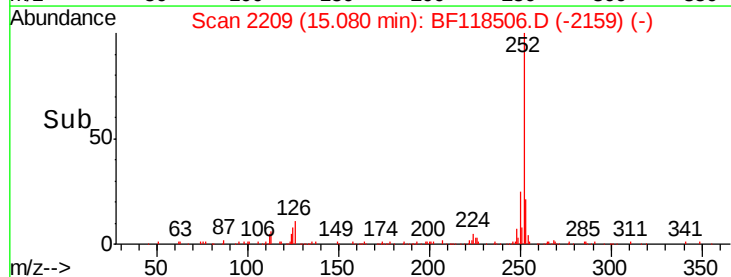
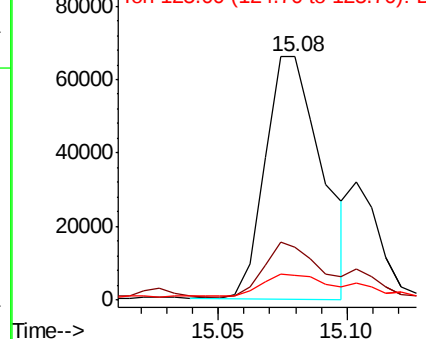


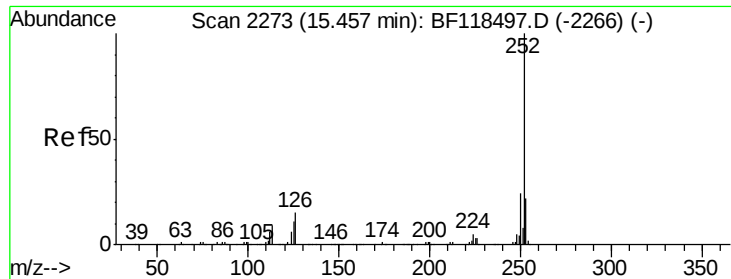
Abundance

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





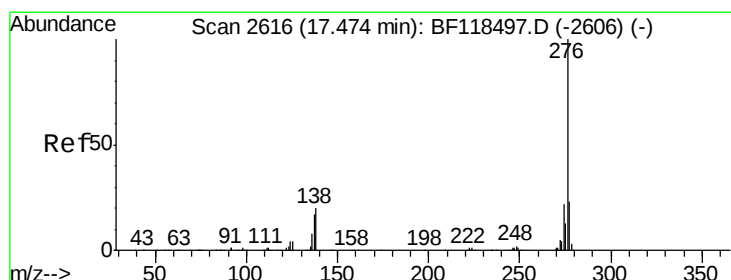
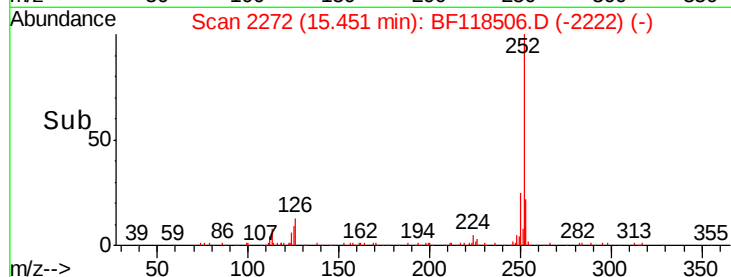
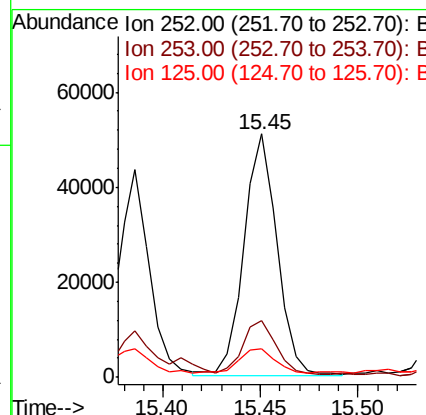
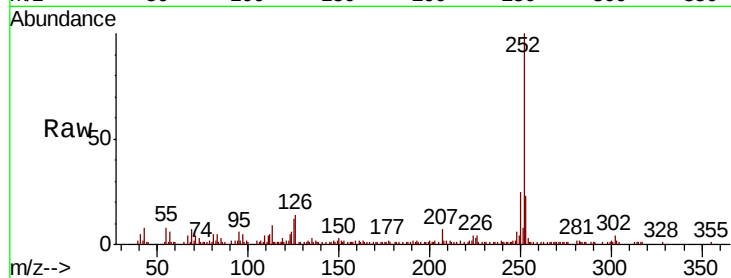
#90
Benzo(a)pyrene
Concen: 4.826 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	11.5	9.0	13.6

Manual Integrations
APPROVED

mohammad
1/9/2020 12:10:48 PM



#92
Benzo(g,h,i)perylene
Concen: 3.044 ng
RT: 17.47 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BF118506.D
Acq: 8 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.2	27.4
138	19.4	16.3	24.5

