

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117868.D
 Acq On : 19 Nov 2019 19:14
 Operator : JU
 Sample : K5904-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14-(0-2)

Manual Integrations
 APPROVED

mohammad
 11/20/2019 1:49:25 PM

Quant Time: Nov 20 01:15:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	212052	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	871390	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	441799	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	767384	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	488841	20.00	ng	-0.01
87) Perylene-d12	15.61	264	520914	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	208750	17.43	ng	-0.01
7) Phenol-d6	6.53	99	1031146	71.36	ng	-0.01
23) Nitrobenzene-d5	7.47	82	864056	58.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	19940	4.26	ng	-0.02
45) 2-Fluorobiphenyl	9.28	172	1553159	63.07	ng	-0.01
79) Terphenyl-d14	13.04	244	1439172	53.81	ng	-0.01
Target Compounds						
10) Phenol	6.54	94	37303	2.484	ng	89
50) Dimethylphthalate	9.67	163	116944	3.775	ng	98
71) Phenanthrene	11.48	178	137080	3.553	ng	95
78) Pyrene	12.90	202	232334	5.881	ng	96
81) Benzo(a)anthracene	14.09	228	110712	3.427	ng	99
83) Chrysene	14.13	228	107600	3.437	ng	97
88) Benzo(b)fluoranthene	15.16	252	147538m	4.359	ng	
90) Benzo(a)pyrene	15.54	252	80705	2.712	ng	98

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

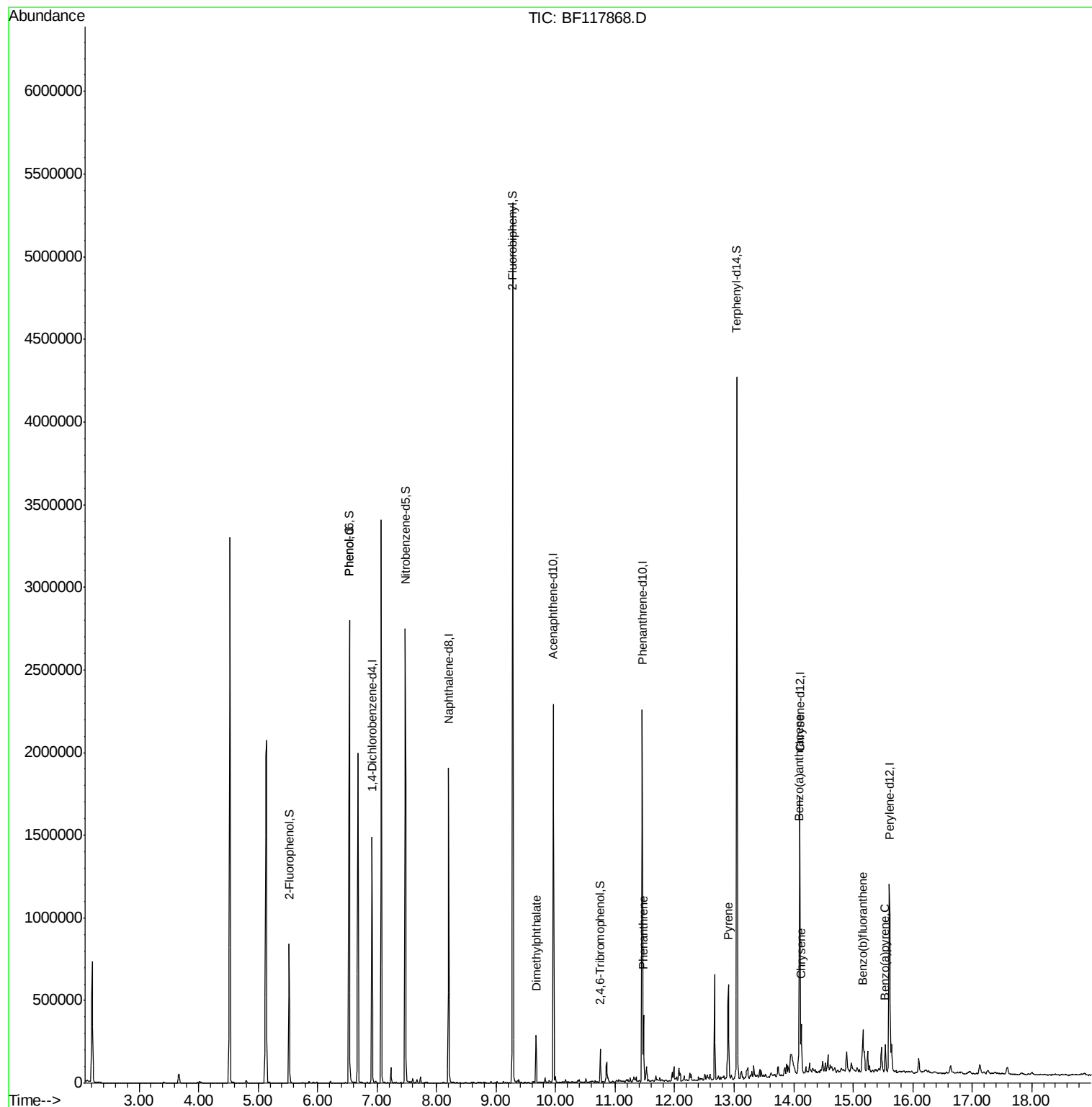
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117868.D
Acq On : 19 Nov 2019 19:14
Operator : JU
Sample : K5904-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

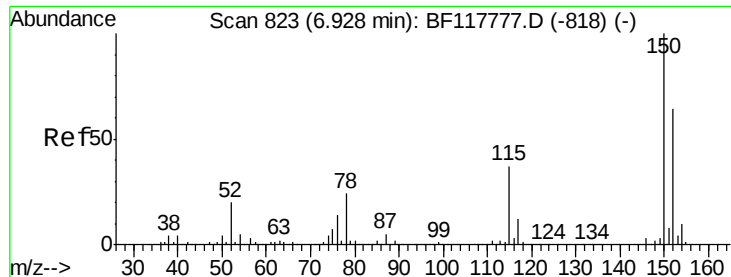
Instrument :
BNA_F
ClientSampleId :
14-(0-2)

Quant Time: Nov 20 01:15:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:25 PM





#1

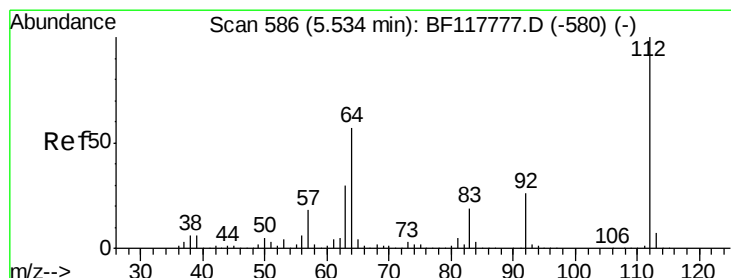
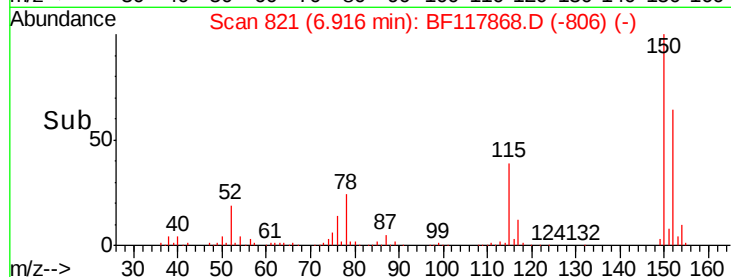
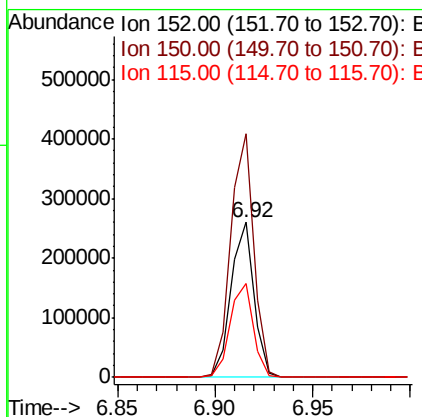
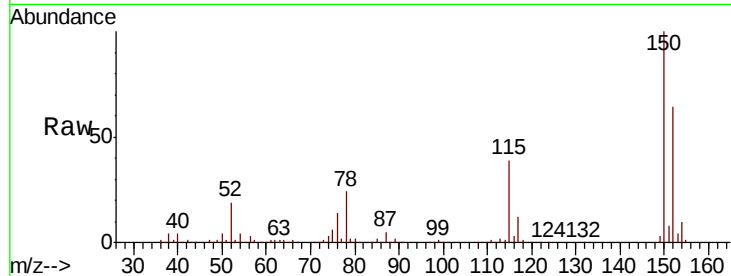
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampleId :
14-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.3	187.9
115	60.6	47.0	70.4

Manual Integrations
APPROVED

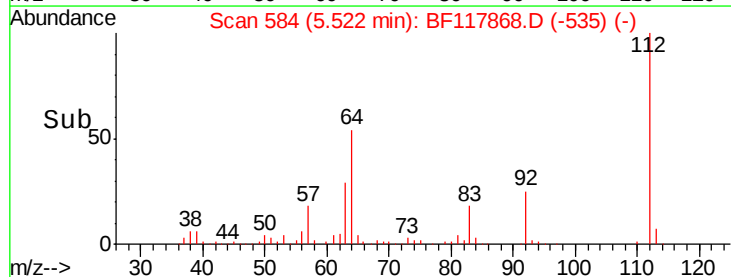
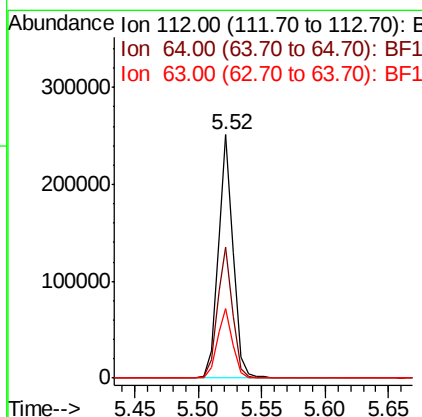
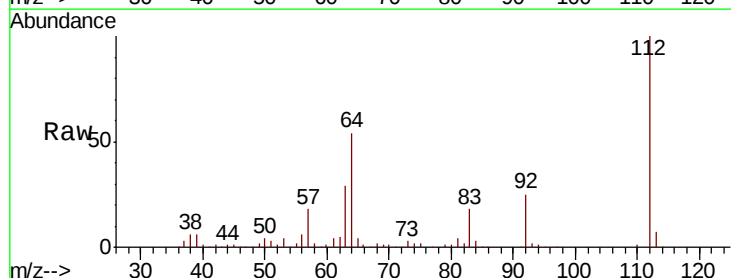
mohammad
11/20/2019 1:49:25 PM

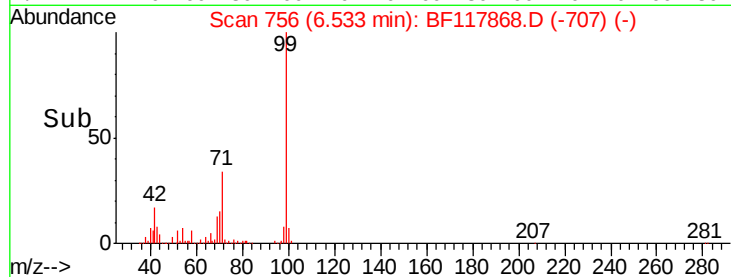
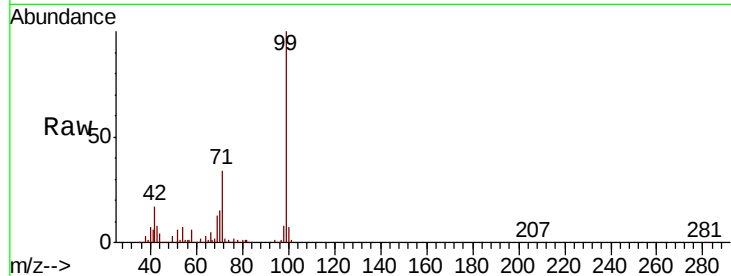
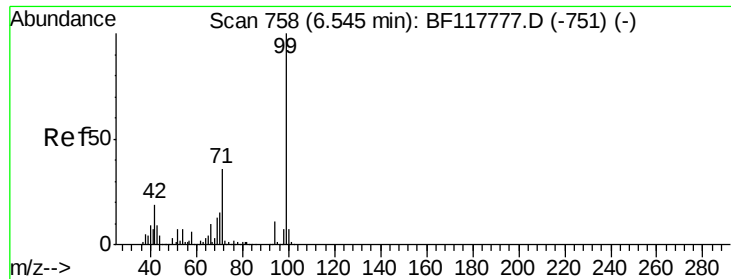


#5

2-Fluorophenol
Concen: 17.425 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	45.6	68.4
63	28.8	24.1	36.1





#7

Phenol-d6

Concen: 71.363 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117868.D

Acq: 19 Nov 2019 19:14

Tot Ion: 99 Resp: 1031146

Ion Ratio Lower Upper

99 100

42 17.1 14.9 22.3

71 34.3 28.6 43.0

Instrument :

BNA_F

ClientSampleId :

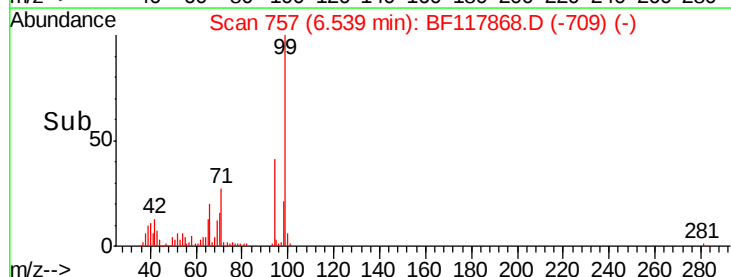
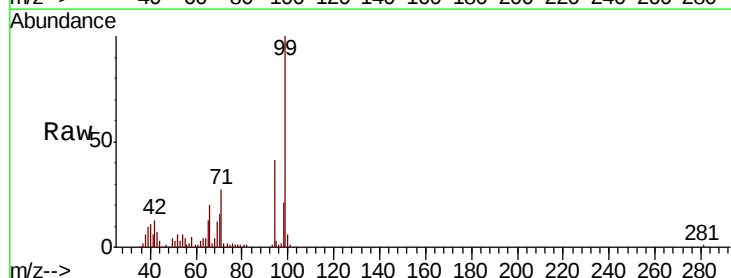
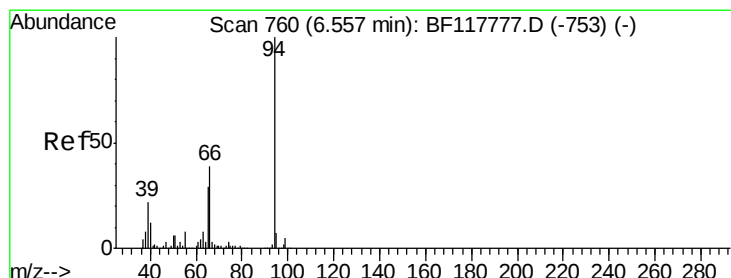
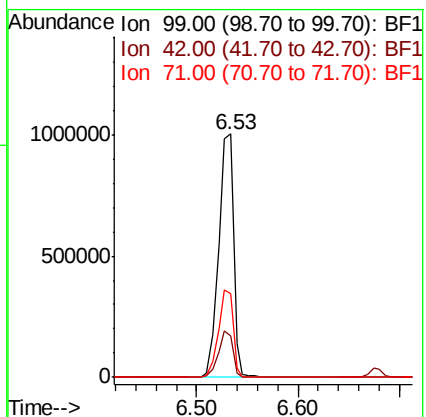
14-(0-2)

Manual Integrations

APPROVED

mohammad

11/20/2019 1:49:25 PM



#10

Phenol

Concen: 2.484 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF117868.D

Acq: 19 Nov 2019 19:14

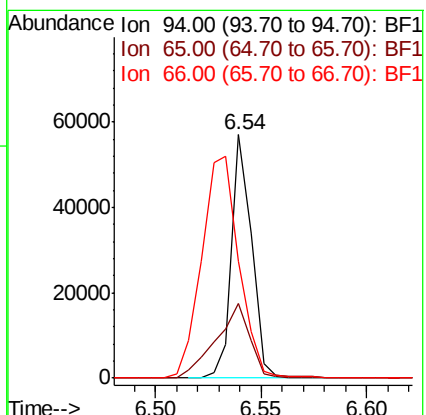
Tgt Ion: 94 Resp: 37303

Ion Ratio Lower Upper

94 100

65 30.9 8.9 48.9

66 48.2 18.7 58.7





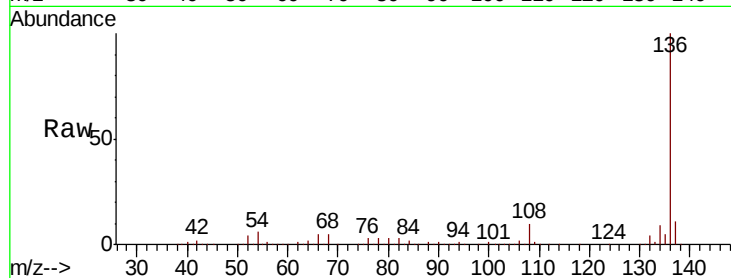
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampleId :
14-(0-2)

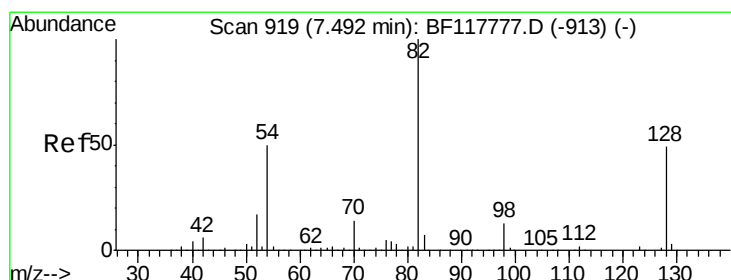
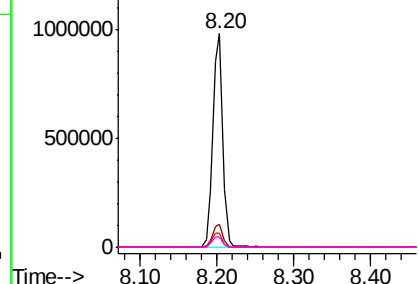
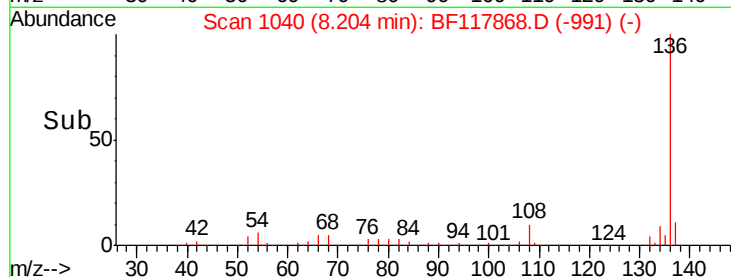
Tot Ion	Ratio	Resp	Lower	Upper
136	100	871390		
137	10.8		9.0	13.4
54	6.4		5.4	8.2
68	4.8		4.3	6.5

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:25 PM

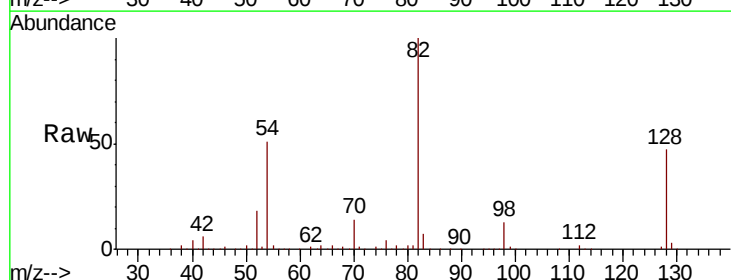


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

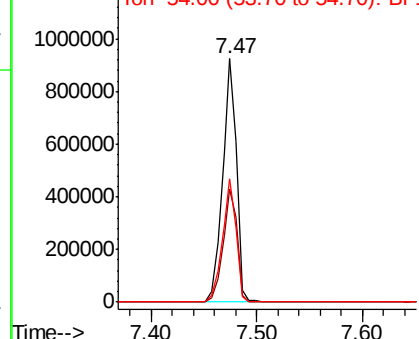
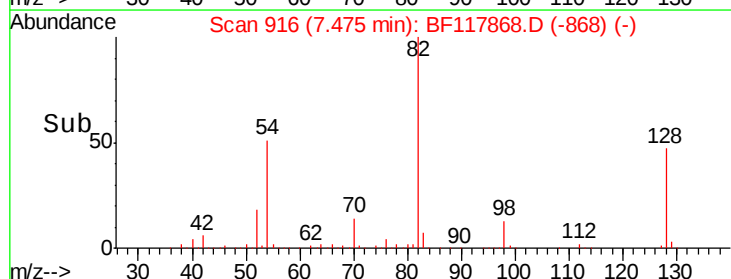


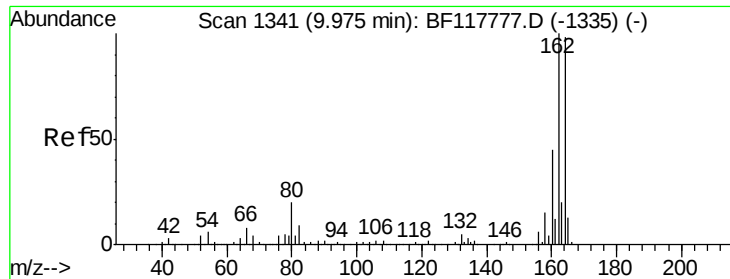
#23
Nitrobenzene-d5
Concen: 58.946 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	864056		
128	46.5		38.9	58.3
54	50.8		39.8	59.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





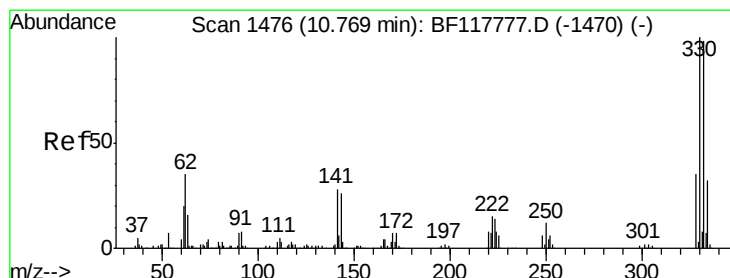
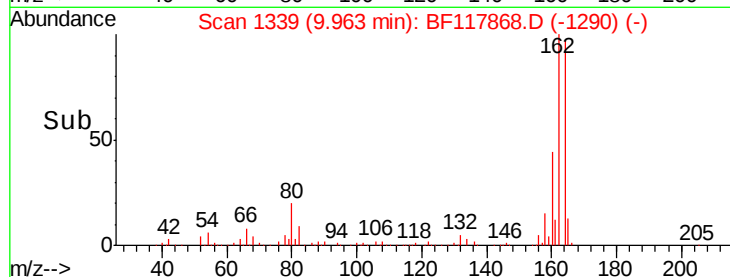
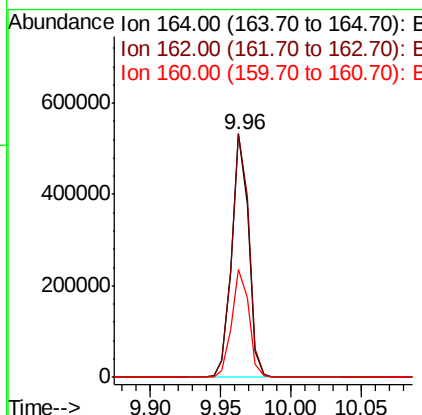
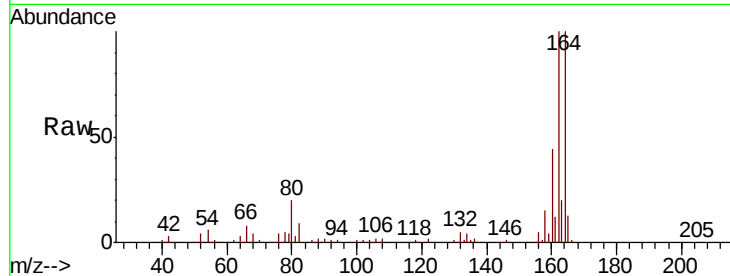
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampleId :
14-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.0	81.3	121.9	
160	44.3	36.6	55.0	

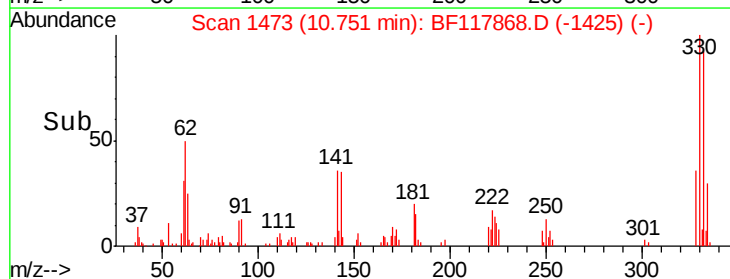
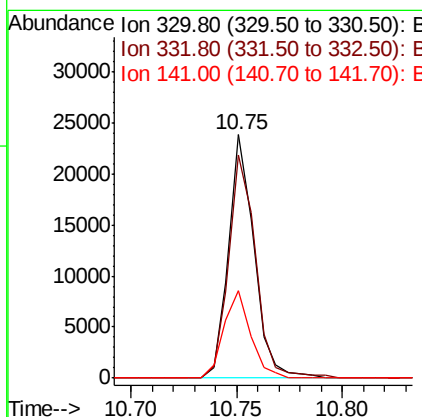
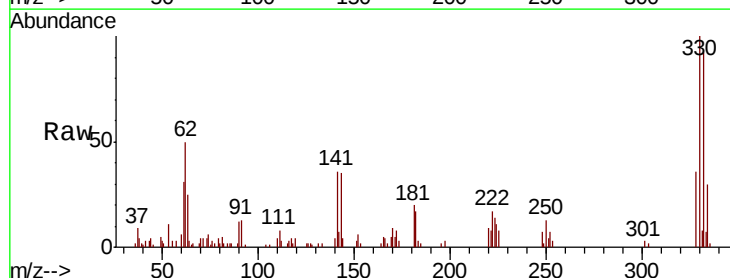
Manual Integrations
APPROVED

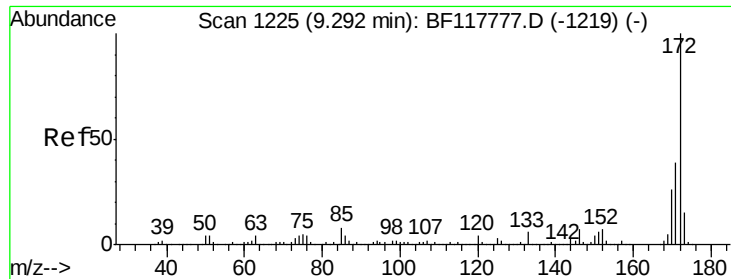
mohammad
11/20/2019 1:49:25 PM



#42
2,4,6-Tribromophenol
Concen: 4.263 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.02 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	76.7	115.1	
141	37.8	27.7	41.5	





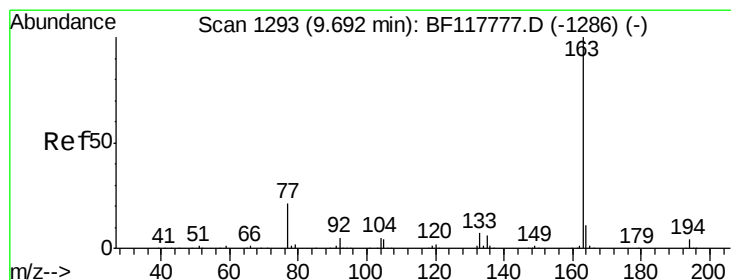
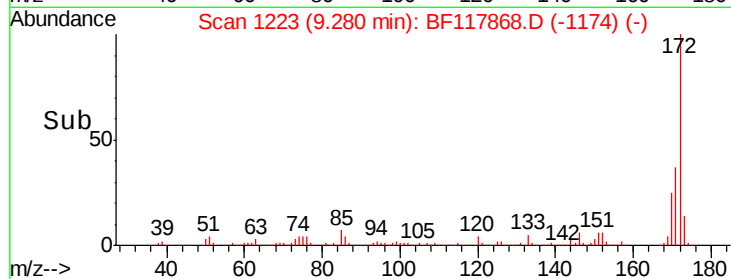
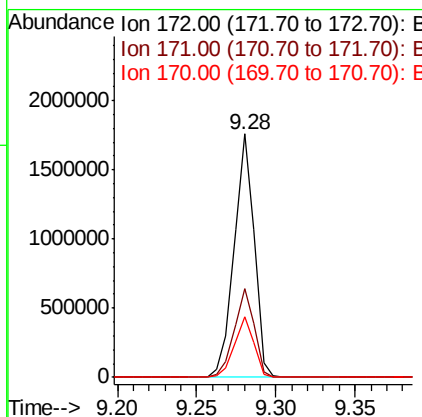
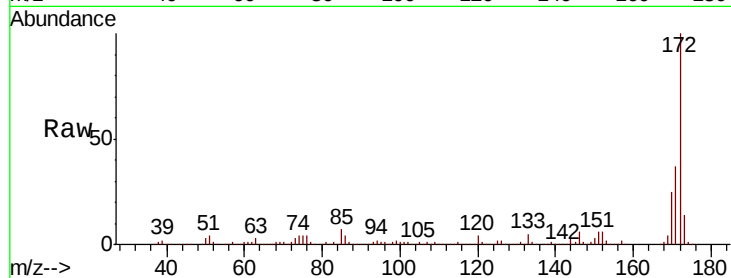
#45
2-Fluorobiphenyl
Concen: 63.070 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampleId :
14-(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.9	46.3
170	24.9	21.0	31.4

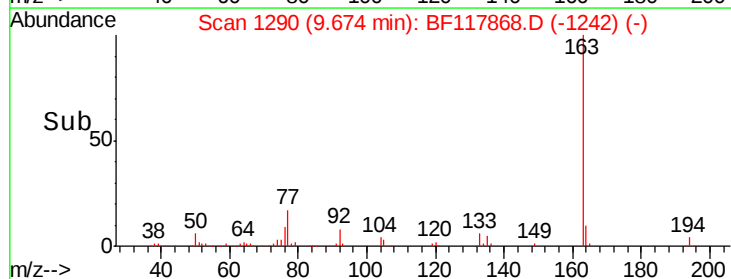
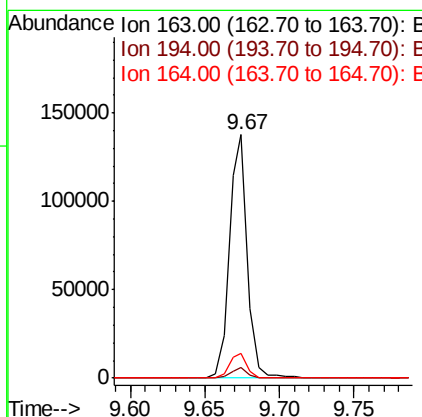
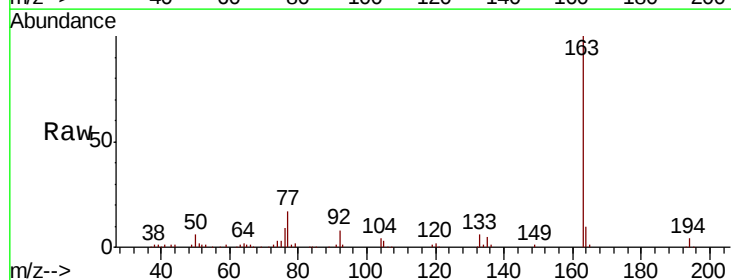
Manual Integrations
APPROVED

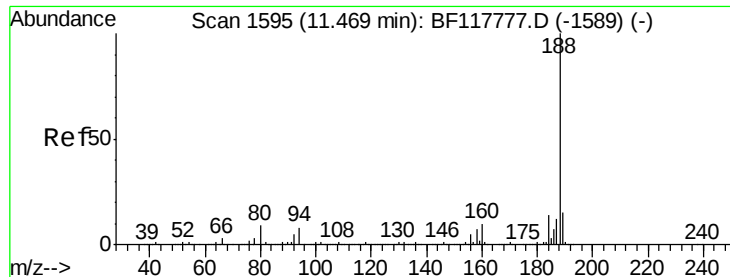
mohammad
11/20/2019 1:49:25 PM



#50
Dimethylphthalate
Concen: 3.775 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.2	8.7	13.1





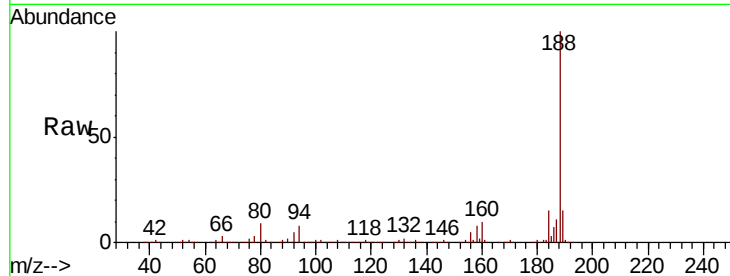
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampleId :
14-(0-2)

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	8.8	7.2	10.8

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:25 PM

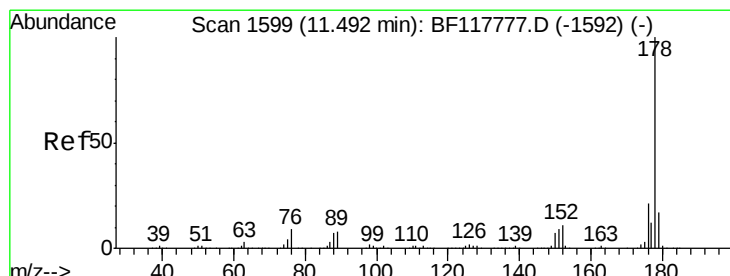
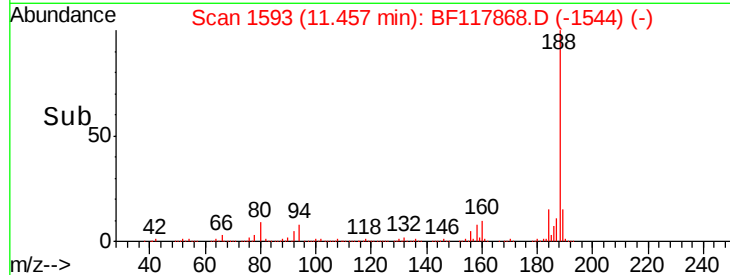
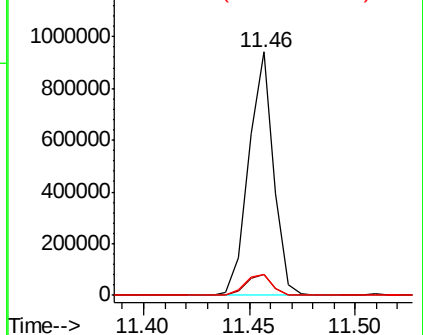


Abundance

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: 3.553 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

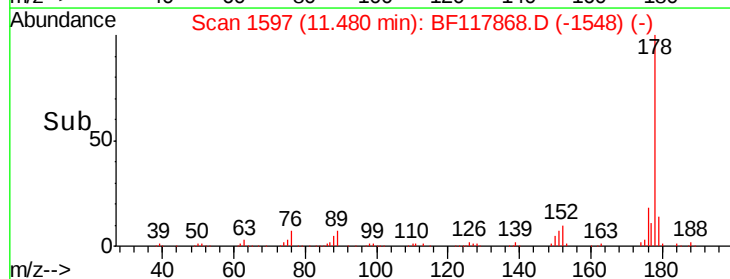
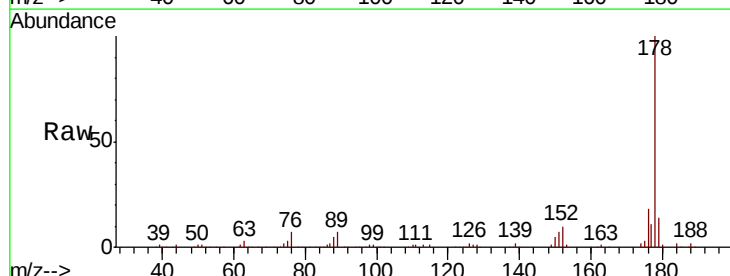
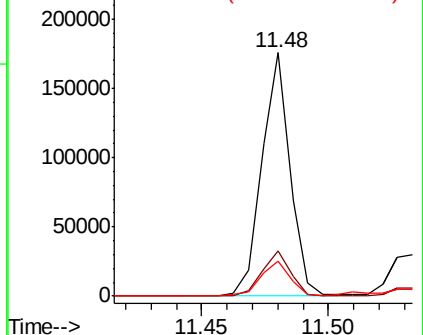
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.6	25.0
179	14.2	13.2	19.8

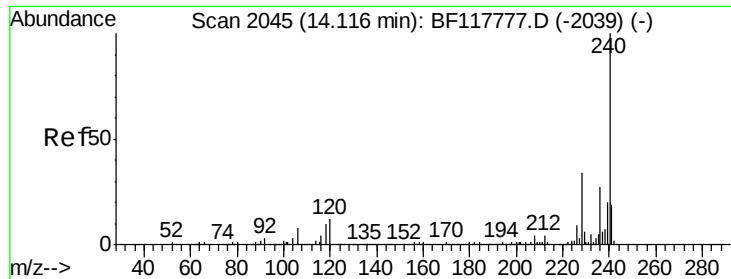
Abundance

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





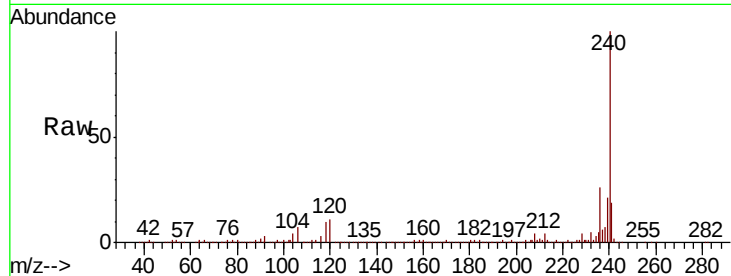
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampleId :
14-(0-2)

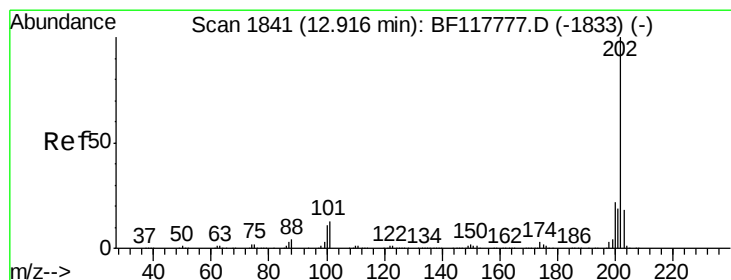
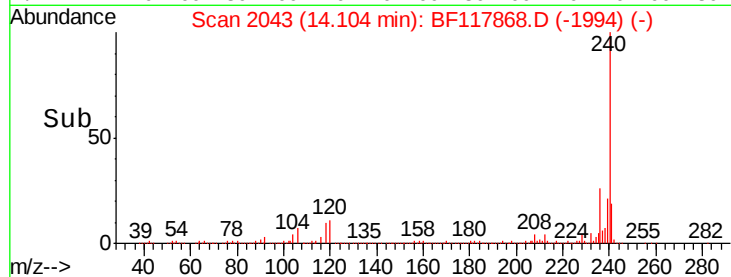
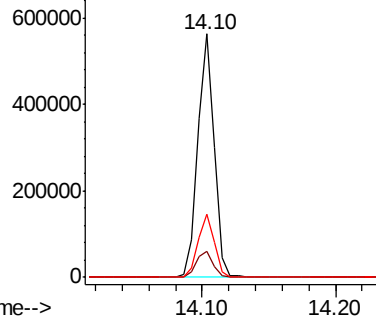
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	25.9	21.3	31.9

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:25 PM



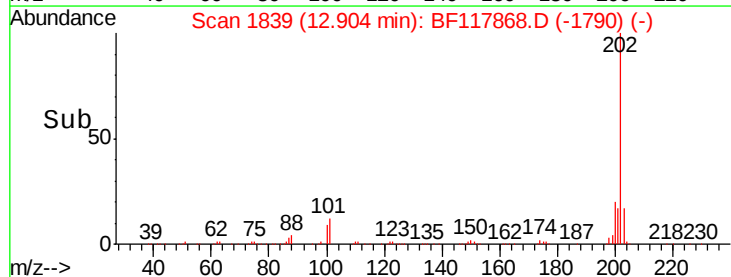
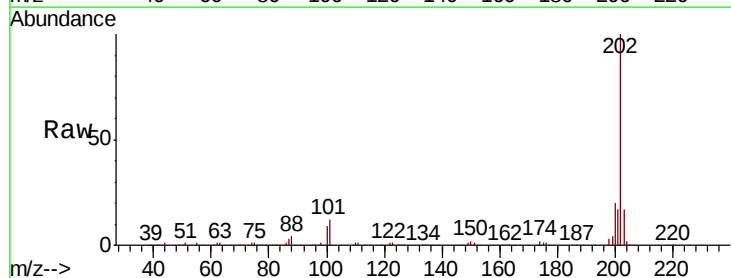
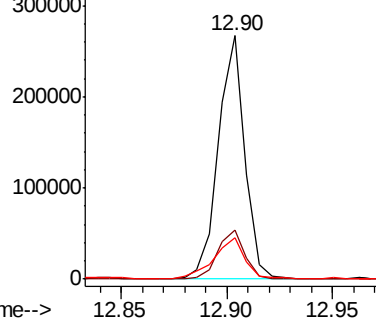
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

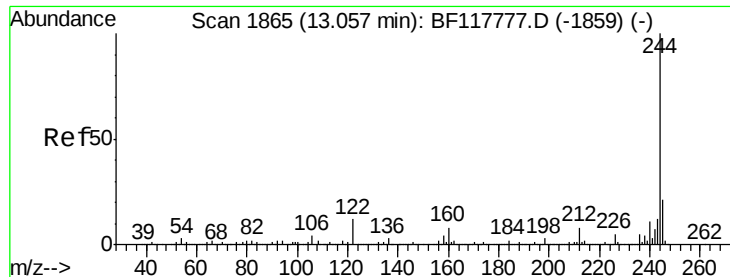


#78
Pyrene
Concen: 5.881 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.8	26.8
203	17.0	14.6	22.0

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





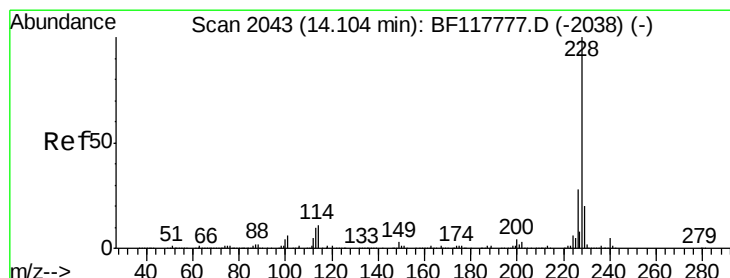
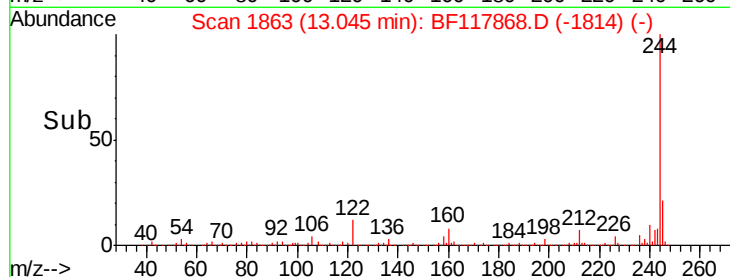
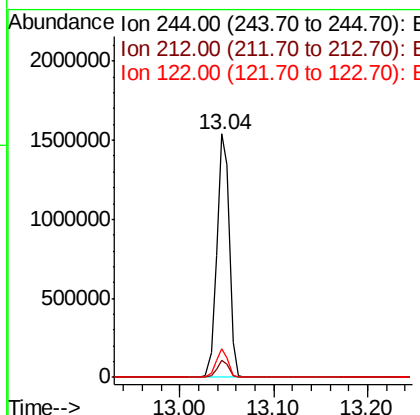
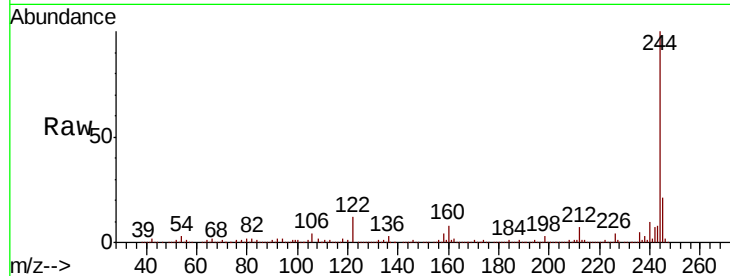
#79
 Terphenyl-d14
 Concen: 53.806 ng
 RT: 13.04 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BF117868.D
 Acq: 19 Nov 2019 19:14

Instrument :
 BNA_F
 ClientSampleId :
 14-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	11.8	9.4	14.2

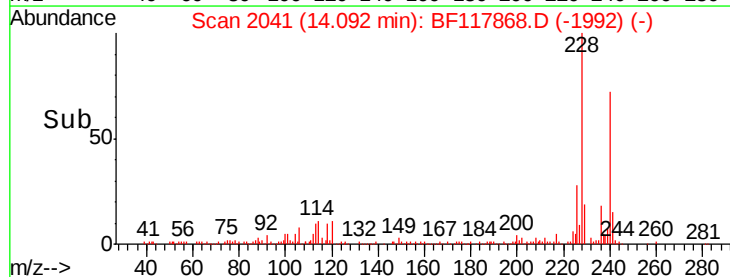
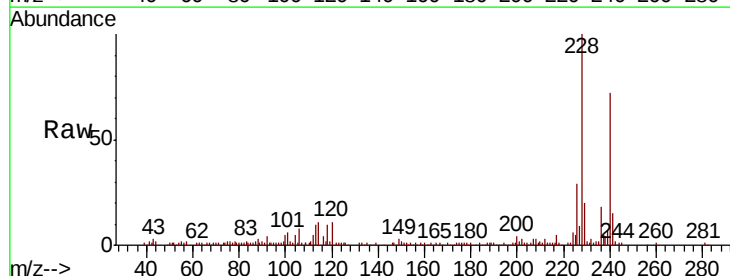
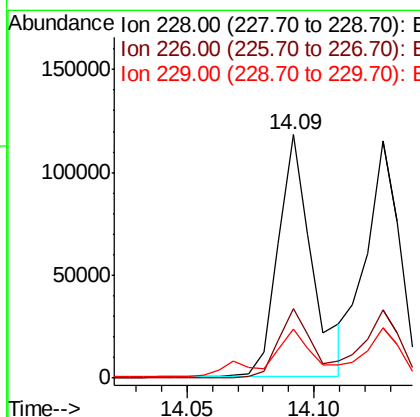
Manual Integrations
 APPROVED

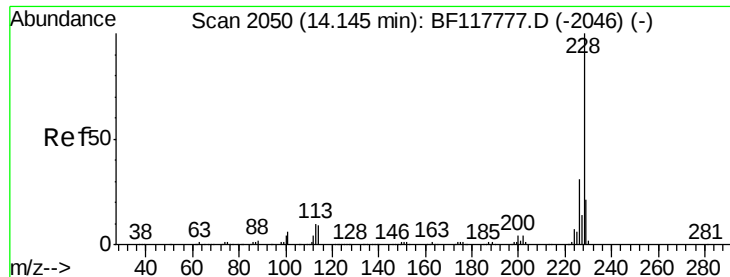
mohammad
 11/20/2019 1:49:25 PM



#81
 Benzo(a)anthracene
 Concen: 3.427 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF117868.D
 Acq: 19 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.2
229	20.0	15.9	23.9





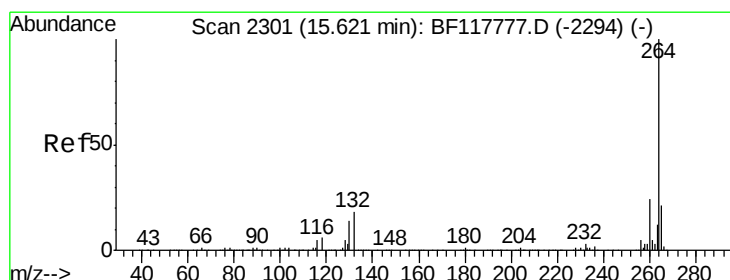
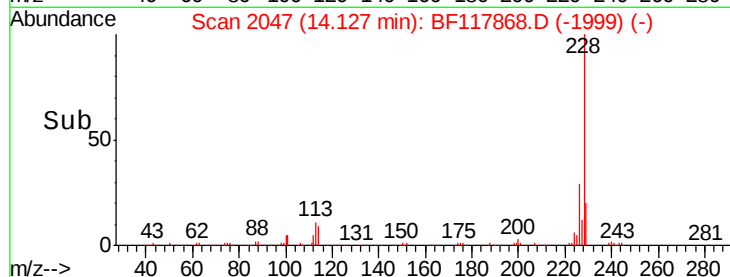
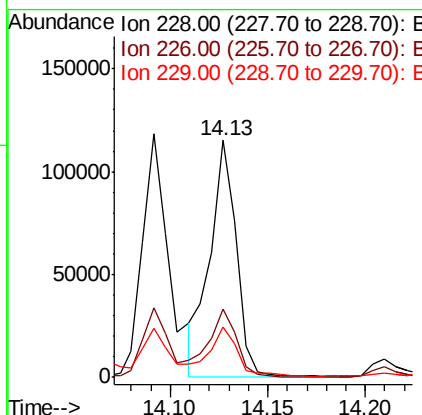
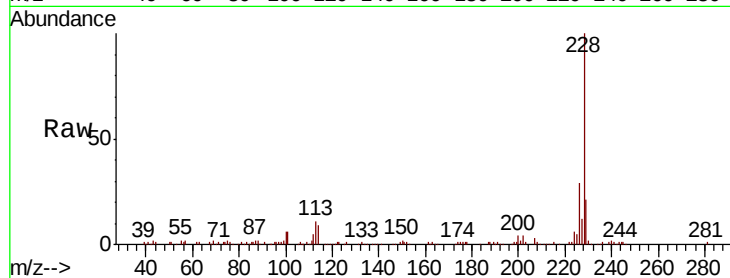
#83
Chrysene
Concen: 3.437 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampleId :
14-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.4
229	21.0	16.6	25.0

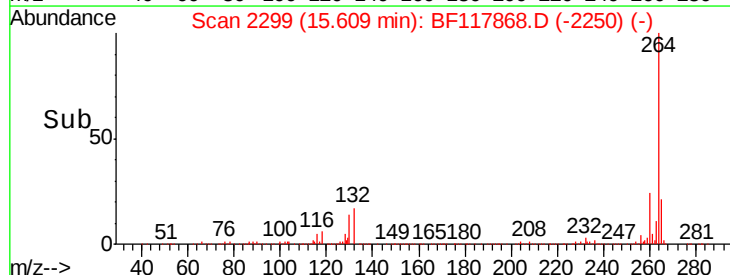
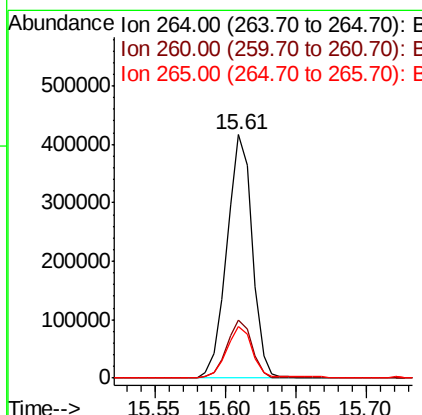
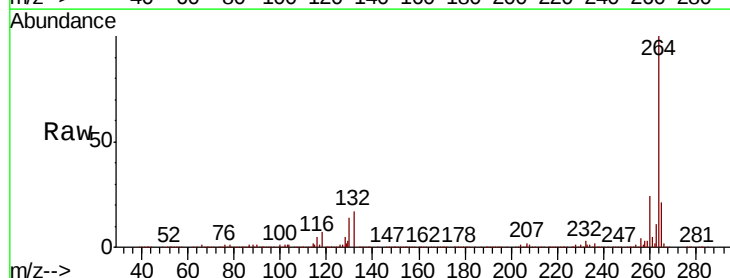
Manual Integrations
APPROVED

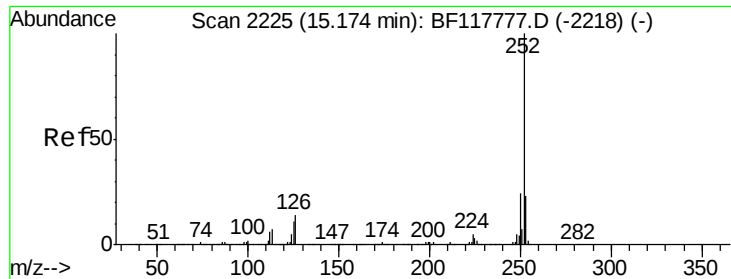
mohammad
11/20/2019 1:49:25 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	21.2	17.1	25.7





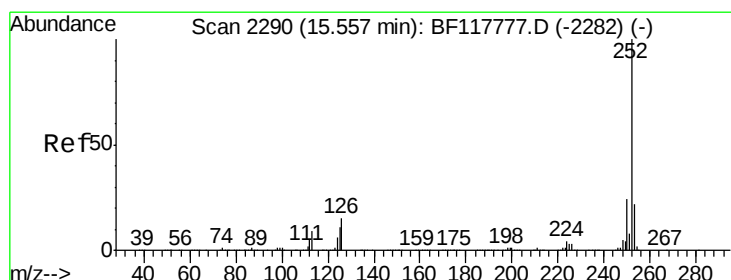
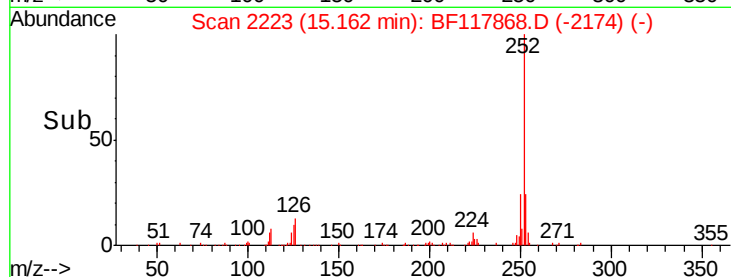
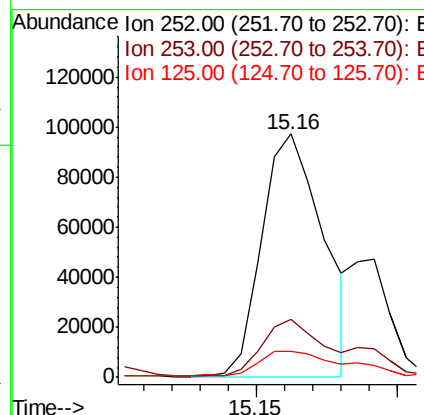
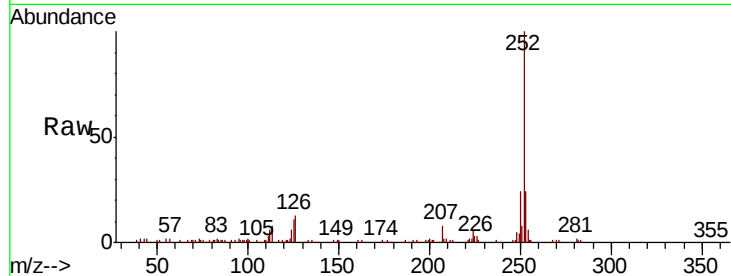
#88
Benzo(b)fluoranthene
Concen: 4.359 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampleId :
14-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	10.7	8.6	13.0

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:25 PM



#90
Benzo(a)pyrene
Concen: 2.712 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.02 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	12.7	9.2	13.8

