

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
 Data File : BF118162.D
 Acq On : 10 Dec 2019 12:49
 Operator : JU
 Sample : K6194-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-01

Manual Integrations
 APPROVED

mohammad
 12/11/2019 12:31:32 PM

Quant Time: Dec 10 14:00:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	88773	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	345483	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	180541	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	340867	20.00	ng	0.00
76) Chrysene-d12	14.06	240	222685	20.00	ng	0.00
87) Perylene-d12	15.56	264	257347	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	547170	107.95	ng	0.00
7) Phenol-d6	6.50	99	690999	112.71	ng	0.00
23) Nitrobenzene-d5	7.43	82	409967	66.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	223624	101.96	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	831119	70.05	ng	0.00
79) Terphenyl-d14	13.00	244	946343	73.08	ng	0.00
Target Compounds						
10) Phenol	6.51	94	40522	5.796	ng	96
50) Dimethylphthalate	9.63	163	58566	4.392	ng	98
71) Phenanthrene	11.43	178	277064	15.290	ng	100
72) Anthracene	11.49	178	60250	3.333	ng	98
75) Fluoranthene	12.63	202	361219	19.498	ng	99
78) Pyrene	12.86	202	352651	20.096	ng	98
81) Benzo(a)anthracene	14.05	228	157265	10.213	ng	97
83) Chrysene	14.09	228	135847	9.236	ng	97
86) Indeno(1,2,3-cd)pyrene	17.06	276	76021	6.143	ng	96
88) Benzo(b)fluoranthene	15.12	252	165523m	9.725	ng	
89) Benzo(k)fluoranthene	15.14	252	58322m	3.567	ng	
90) Benzo(a)pyrene	15.49	252	125631	8.358	ng	96
92) Benzo(a,h,i)perylene	17.52	276	72889	5.883	ng	93

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

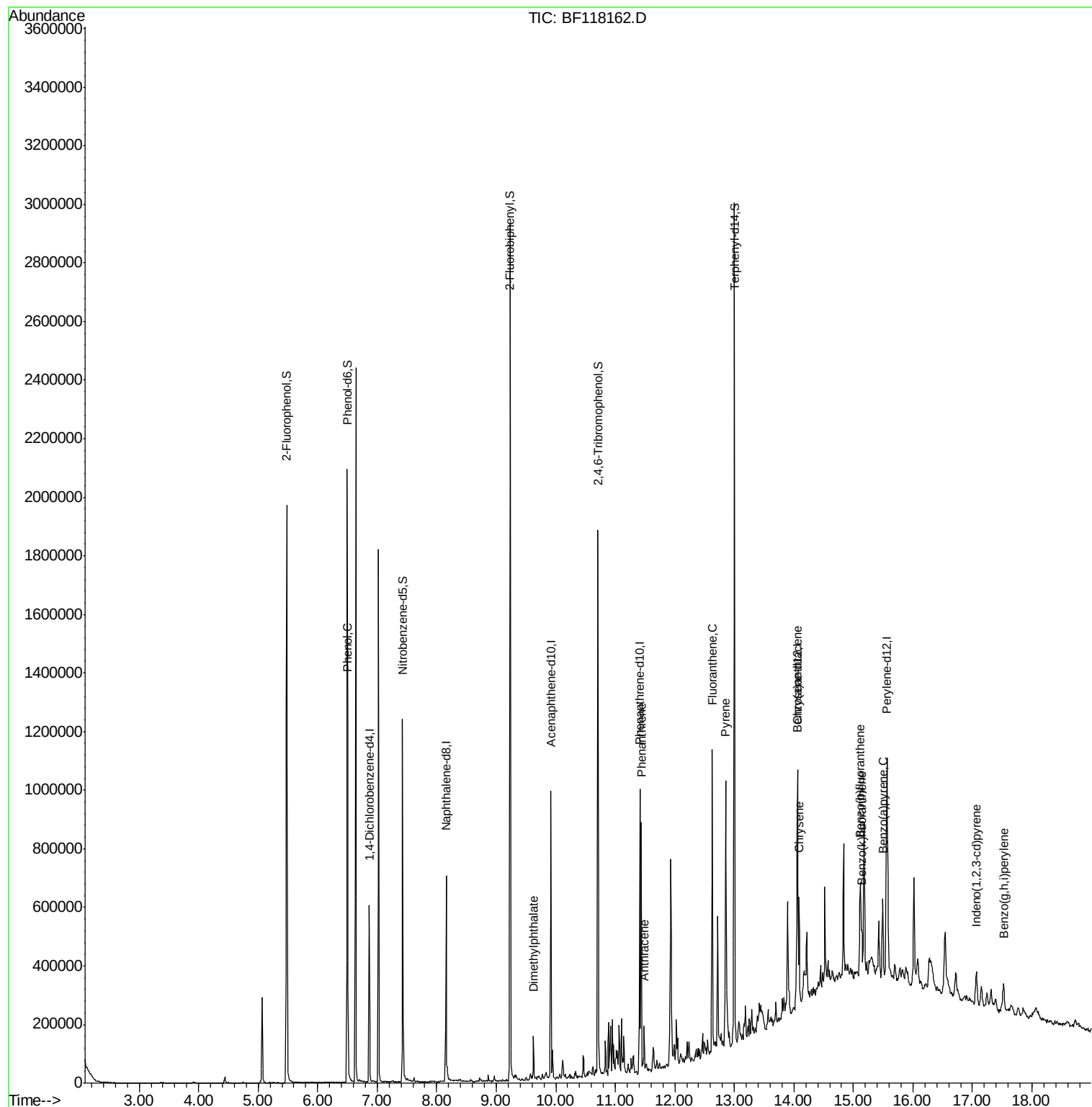
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118162.D
Acq On : 10 Dec 2019 12:49
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

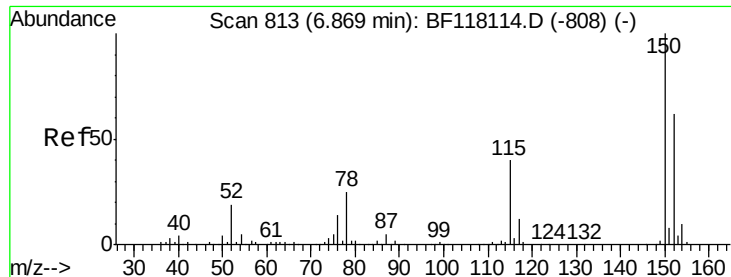
Instrument :
BNA_F
ClientSampleId :
WC-01

Manual Integrations
APPROVED

mohammad
12/11/2019 12:31:32 PM

Quant Time: Dec 10 14:00:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration





#1

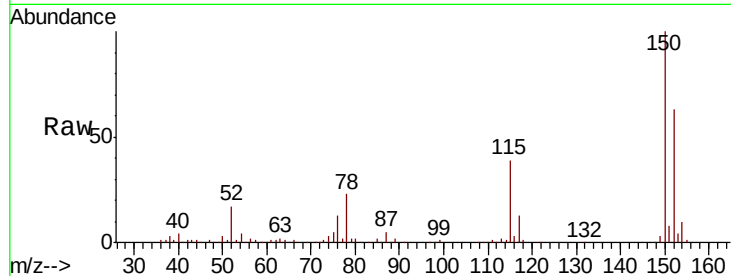
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Instrument :
BNA_F
ClientSampled :
WC-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	128.3	192.5
115	61.5	51.1	76.7

Manual Integrations
APPROVED

mohammad
12/11/2019 12:31:32 PM

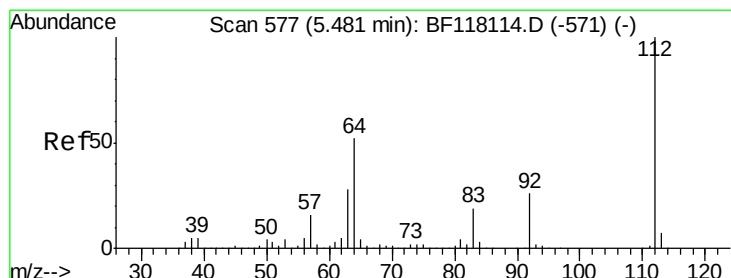
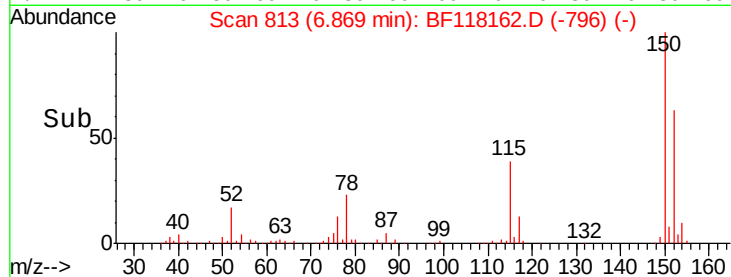
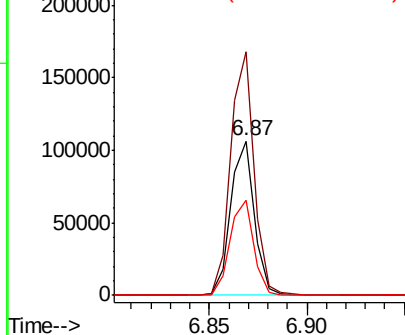


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

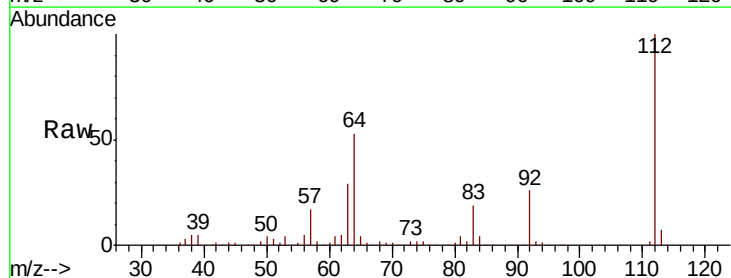
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.955 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	41.3	61.9
63	29.1	22.4	33.6

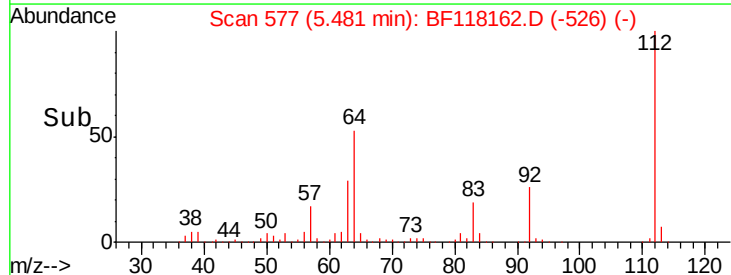
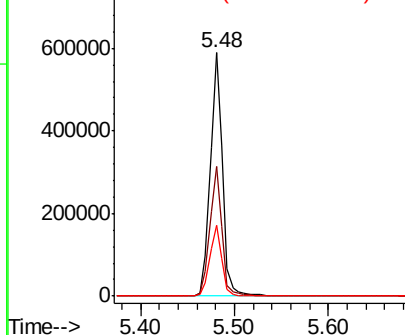


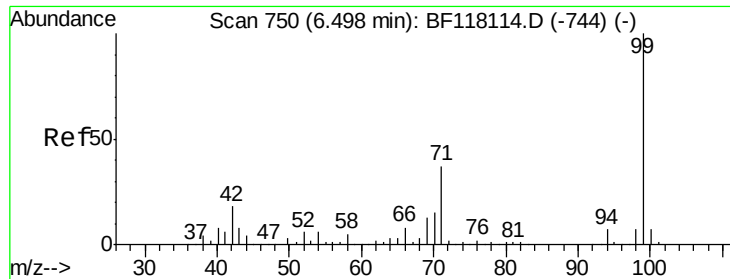
Abundance

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: 112.715 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118162.D

Acq: 10 Dec 2019 12:49

Instrument :

BNA_F

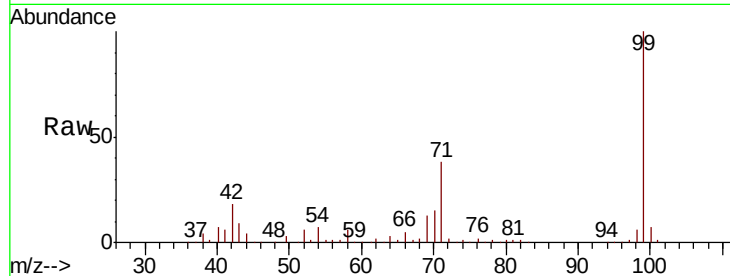
ClientSampled :

WC-01

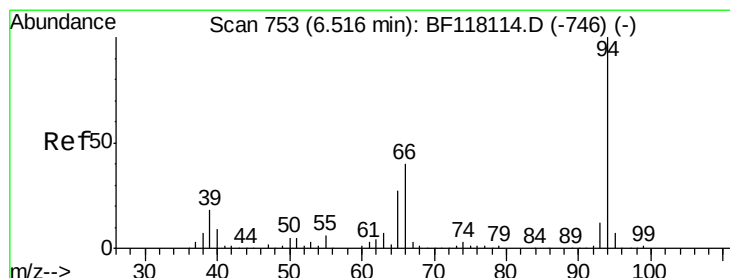
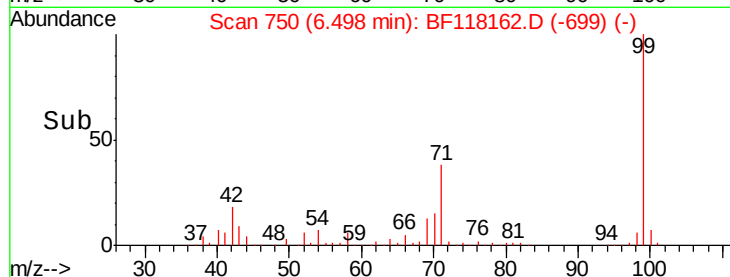
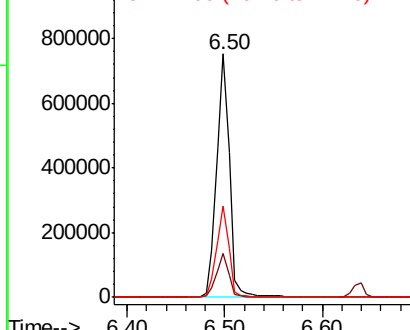
Tot Ion:	99	Resp:	690999
Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.1	21.1
71	37.5	29.7	44.5

Manual Integrations
APPROVED

mohammad
12/11/2019 12:31:32 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



#10

Phenol

Concen: 5.796 ng

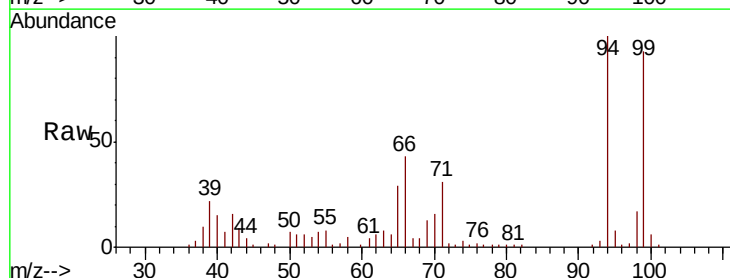
RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

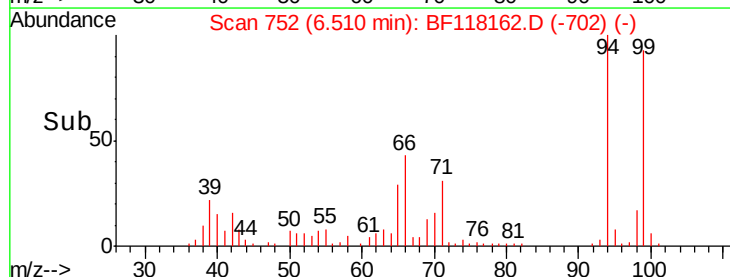
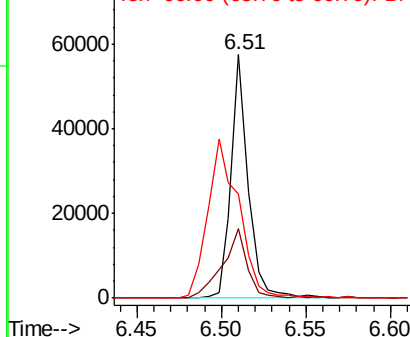
Lab File: BF118162.D

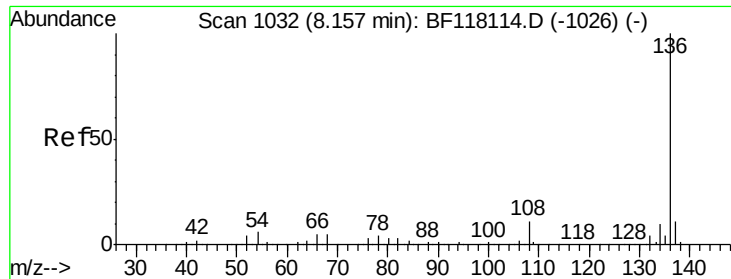
Acq: 10 Dec 2019 12:49

Tgt Ion:	94	Resp:	40522
Ion	Ratio	Lower	Upper
94	100		
65	28.7	7.3	47.3
66	42.9	20.2	60.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





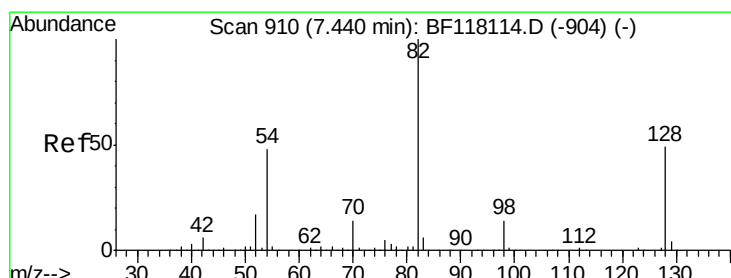
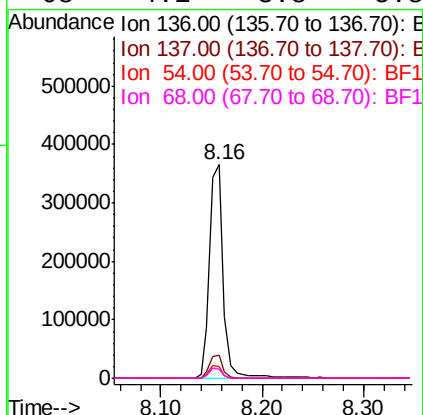
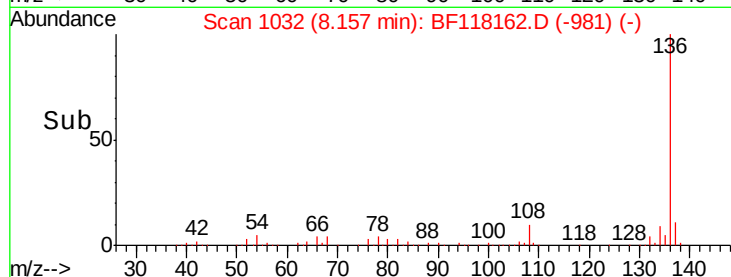
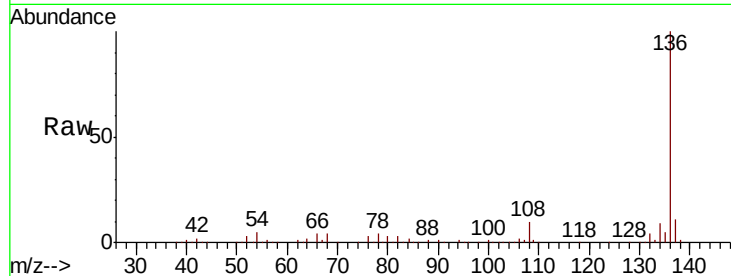
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Instrument :
BNA_F
ClientSampleId :
WC-01

Tot Ion	Ratio	Resp	Lower	Upper
136	100	345483		
137	10.8	9.0	13.6	
54	5.2	5.0	7.6	
68	4.1	3.8	5.8	

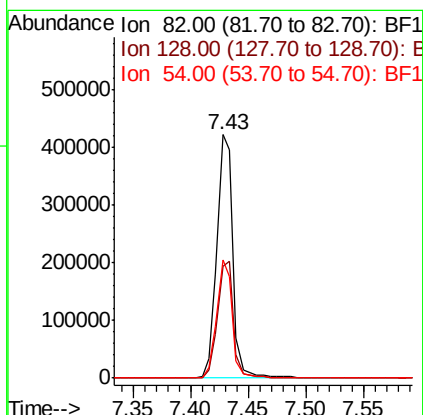
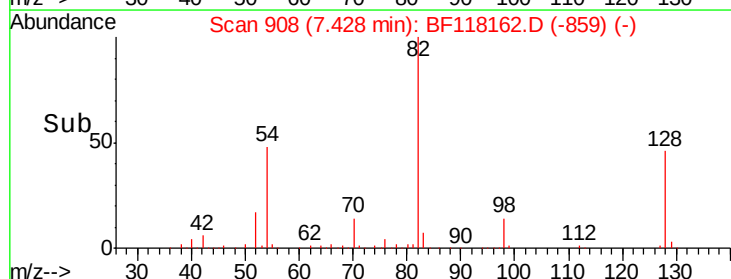
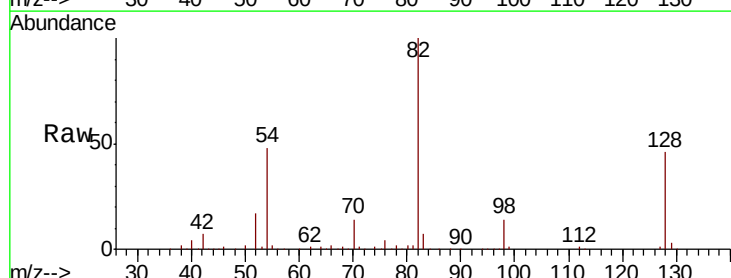
Manual Integrations
APPROVED

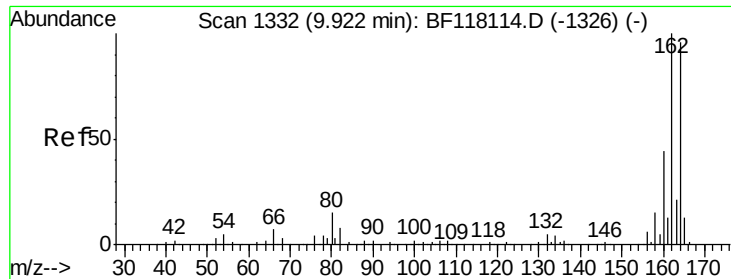
mohammad
12/11/2019 12:31:32 PM



#23
Nitrobenzene-d5
Concen: 66.758 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	409967		
128	45.9	39.1	58.7	
54	48.3	38.2	57.2	





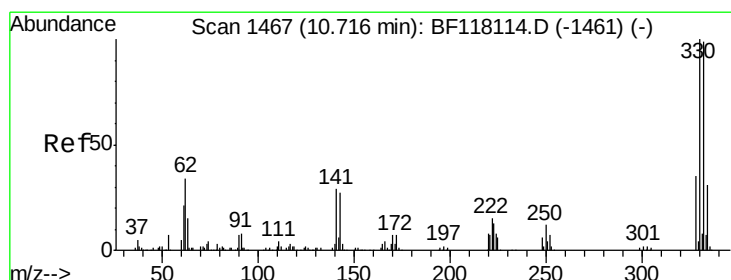
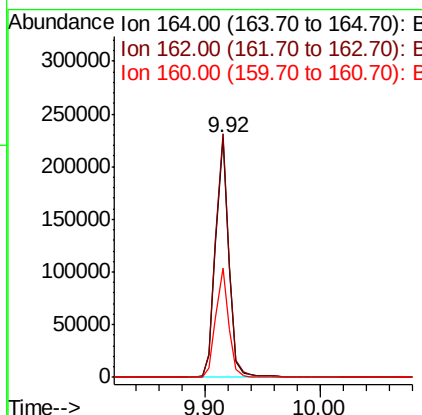
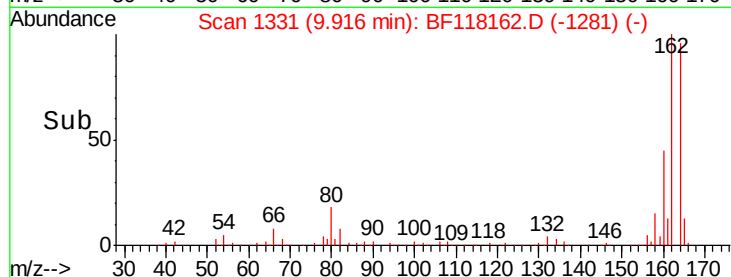
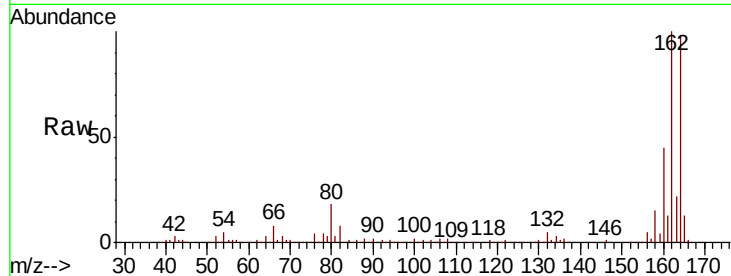
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Instrument :
BNA_F
ClientSampleId :
WC-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100	180541		
162	101.7	83.4	125.0	
160	45.5	36.6	54.8	

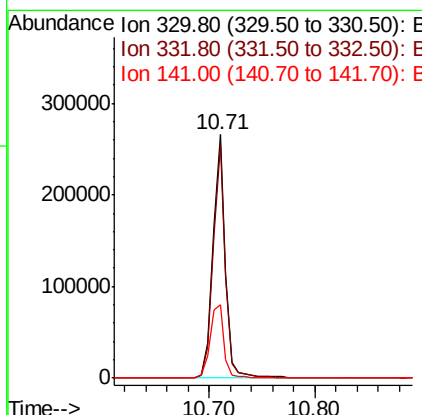
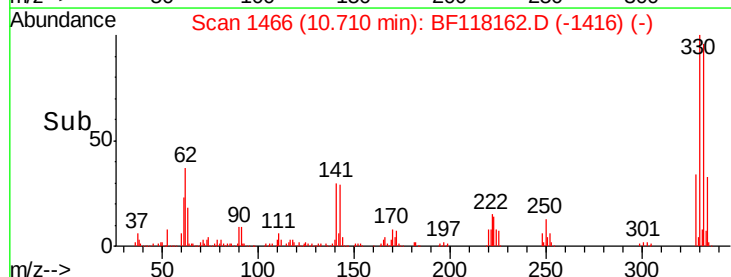
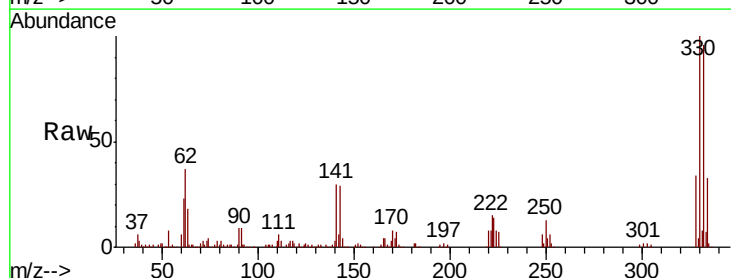
Manual Integrations
APPROVED

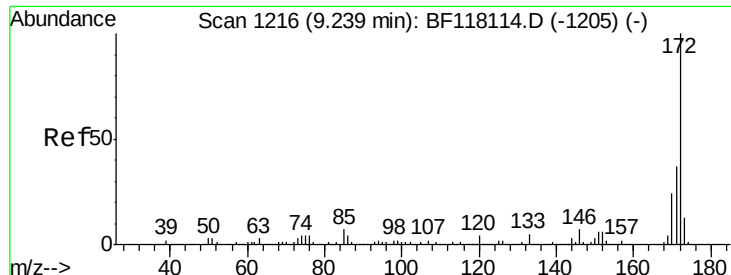
mohammad
12/11/2019 12:31:32 PM



#42
2,4,6-Tribromophenol
Concen: 101.960 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	223624		
332	94.5	78.1	117.1	
141	34.0	26.9	40.3	





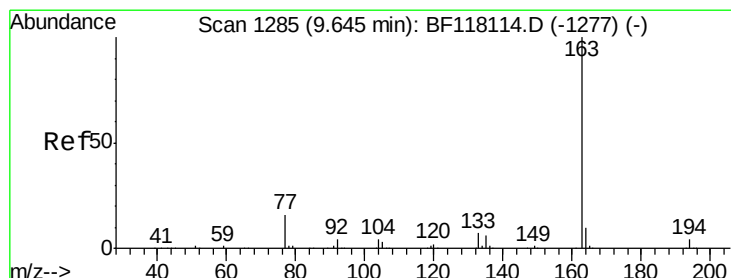
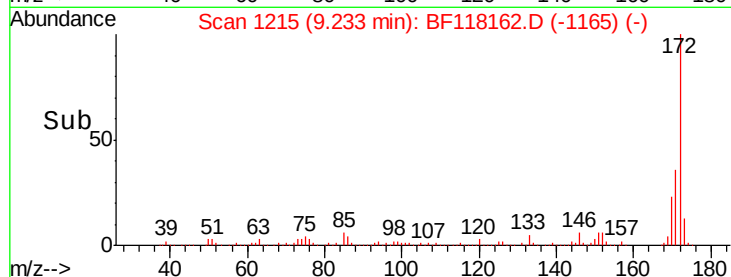
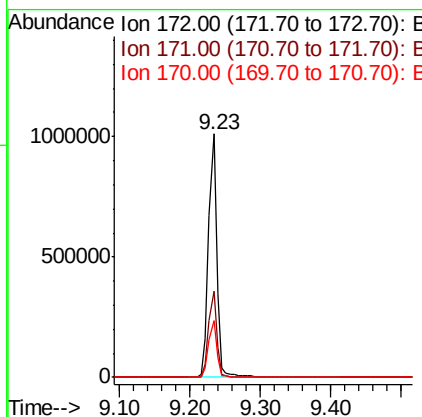
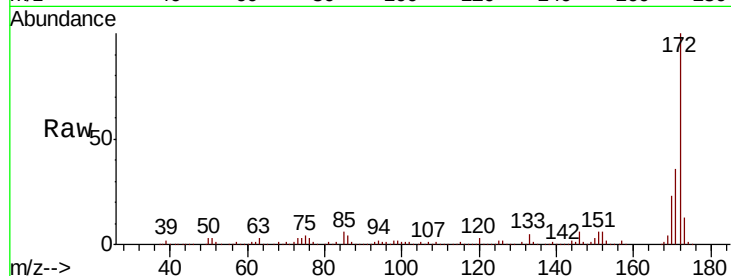
#45
2-Fluorobiphenyl
Concen: 70.049 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Instrument :
BNA_F
ClientSampled :
WC-01

Tot Ion	Ratio	Resp	Lower	Upper
172	100	831119		
171	35.6		29.2	43.8
170	23.5		19.4	29.2

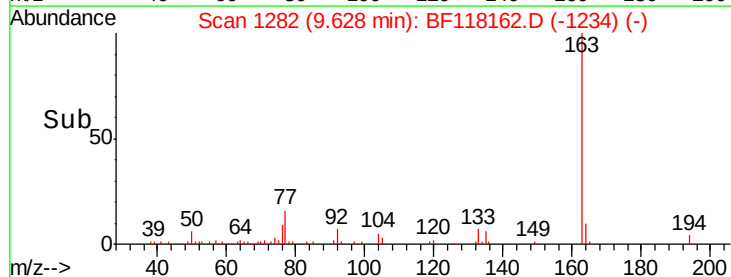
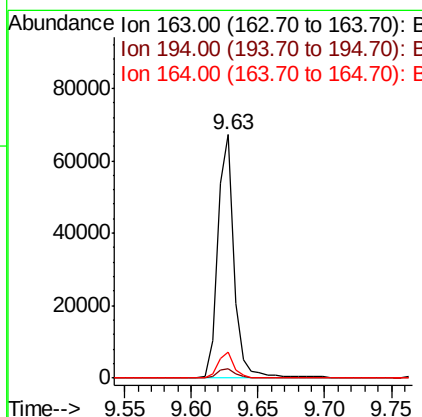
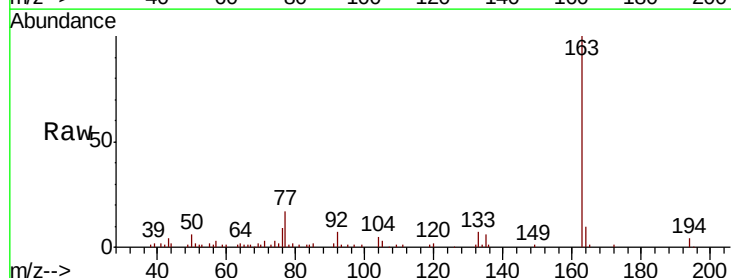
Manual Integrations
APPROVED

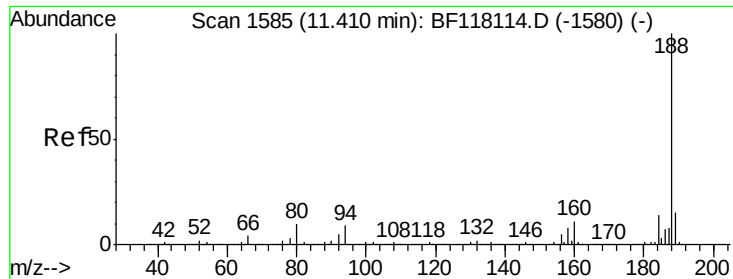
mohammad
12/11/2019 12:31:32 PM



#50
Dimethylphthalate
Concen: 4.392 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	58566		
194	4.0		3.1	4.7
164	10.5		7.7	11.5





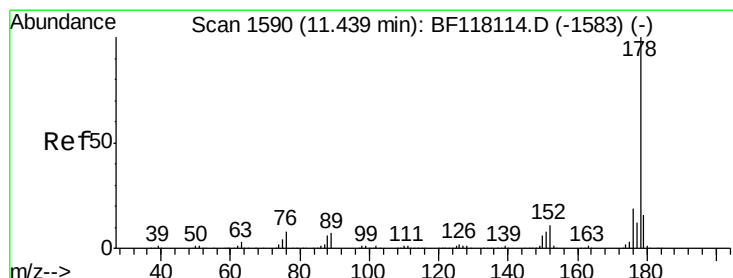
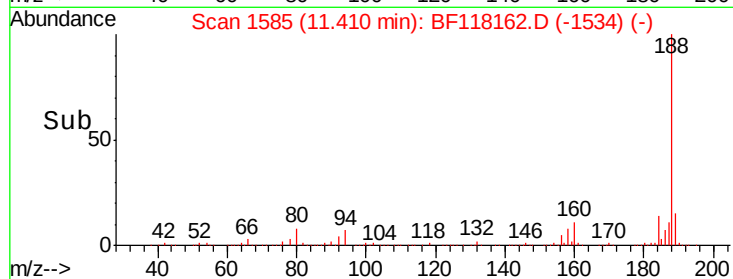
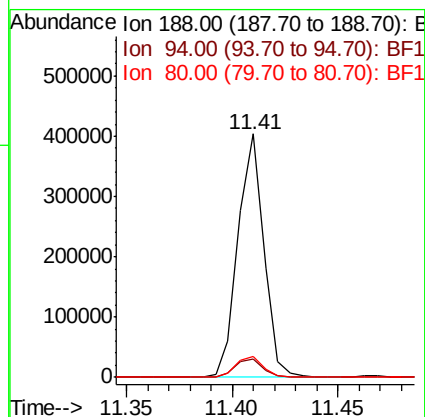
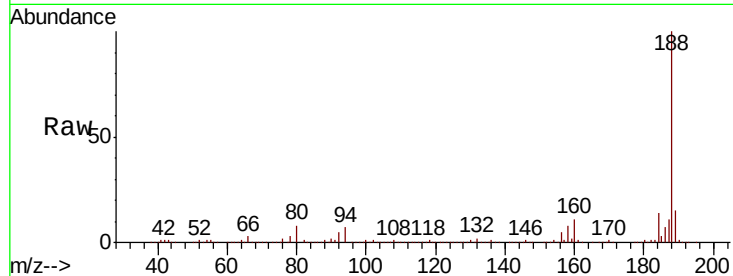
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Instrument :
BNA_F
ClientSampled :
WC-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	340867		
94	7.5		7.1	10.7
80	8.5		7.9	11.9

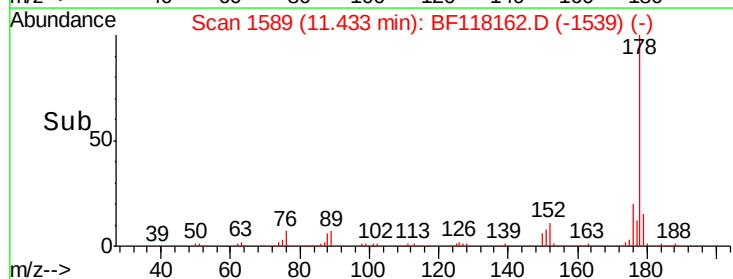
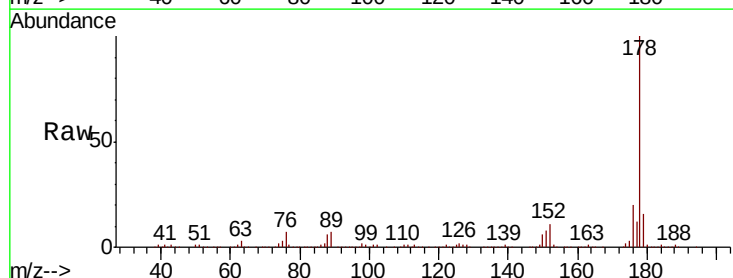
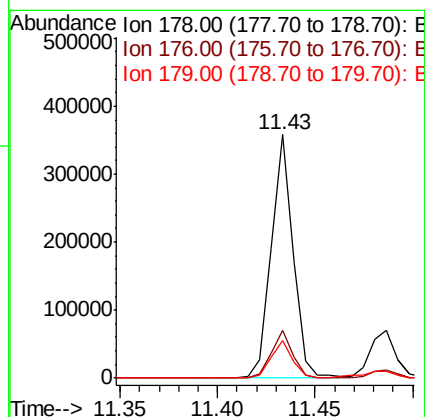
Manual Integrations
APPROVED

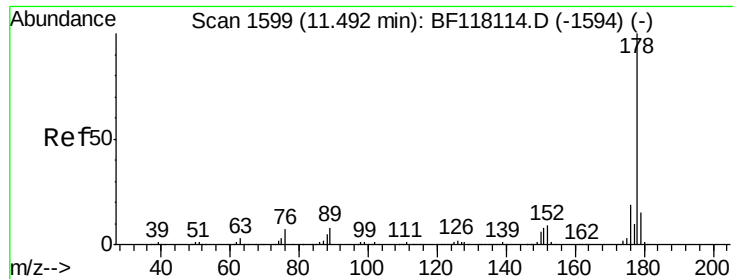
mohammad
12/11/2019 12:31:32 PM



#71
Phenanthrene
Concen: 15.290 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	277064		
176	19.6		15.5	23.3
179	15.5		12.6	18.8





#72

Anthracene

Concen: 3.333 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF118162.D

Acq: 10 Dec 2019 12:49

Instrument :

BNA_F

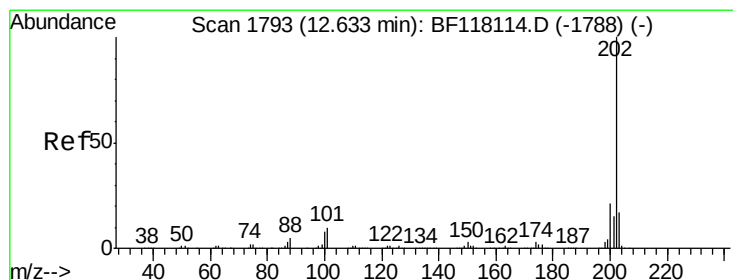
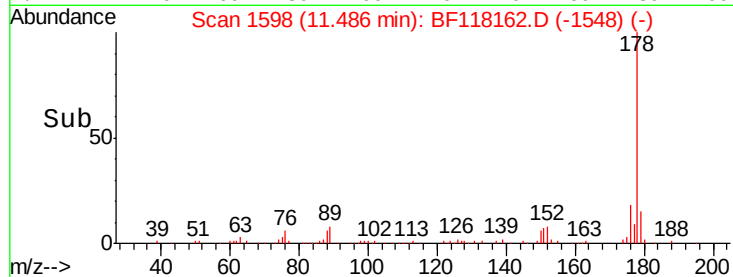
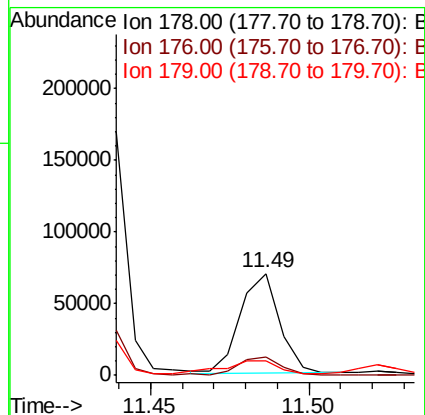
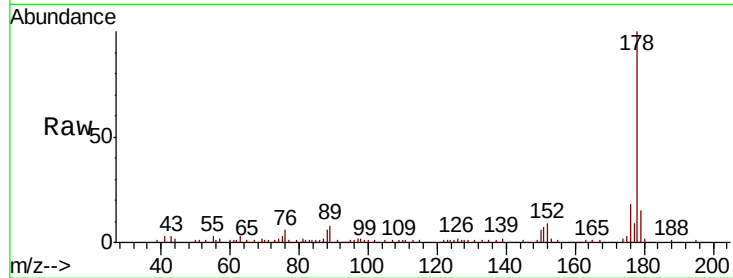
ClientSampleId :

WC-01

Tot Ion:	178	Resp:	60250
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.0	22.6
179	14.6	12.2	18.4

Manual Integrations
APPROVED

mohammad
12/11/2019 12:31:32 PM



#75

Fluoranthene

Concen: 19.498 ng

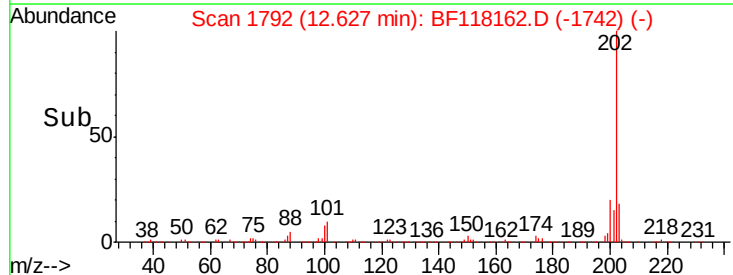
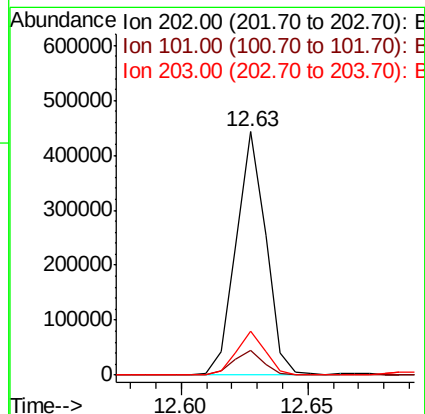
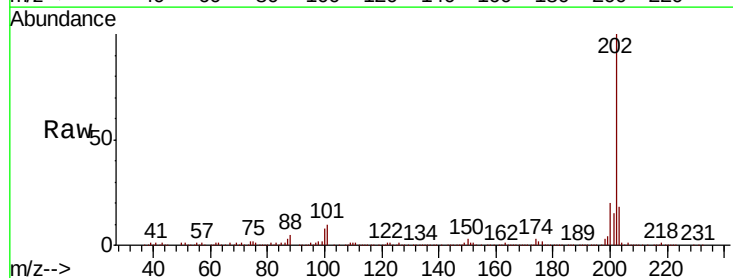
RT: 12.63 min Scan# 1792

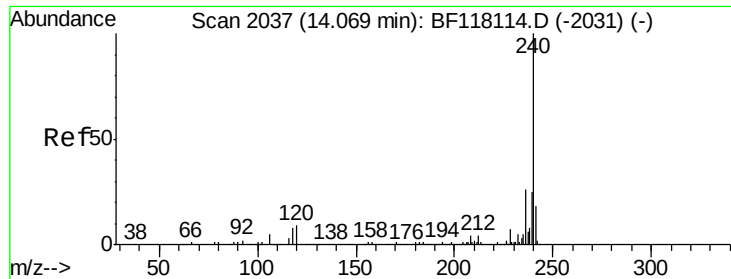
Delta R.T. -0.01 min

Lab File: BF118162.D

Acq: 10 Dec 2019 12:49

Tgt Ion:	202	Resp:	361219
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	30.4
203	17.9	0.0	37.2





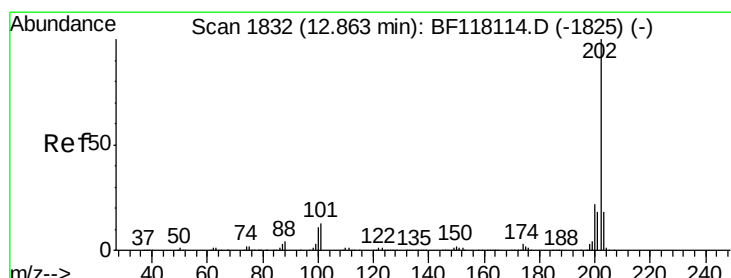
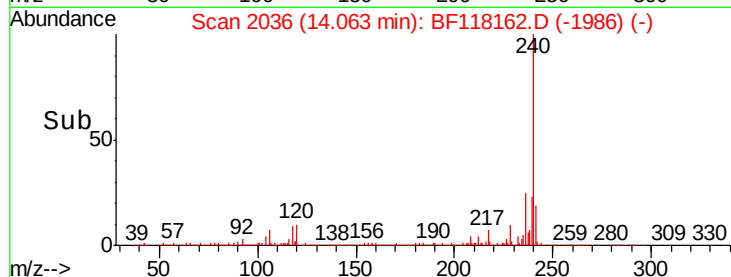
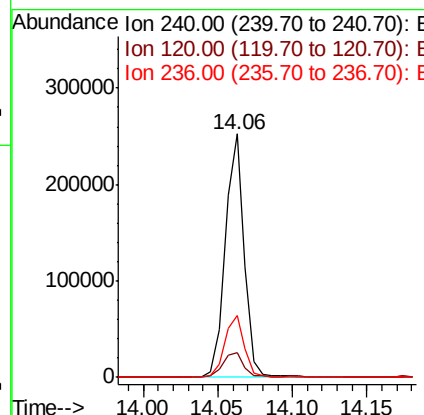
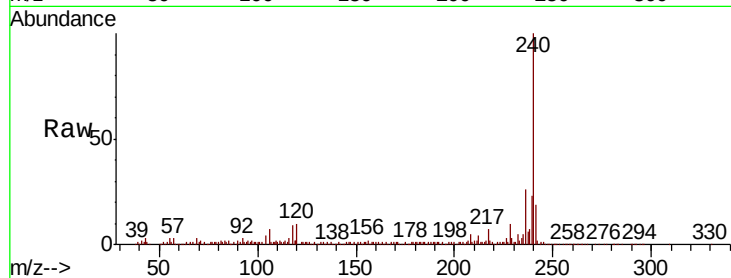
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Instrument :
BNA_F
ClientSampleId :
WC-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.1	10.7
236	25.7	21.0	31.6

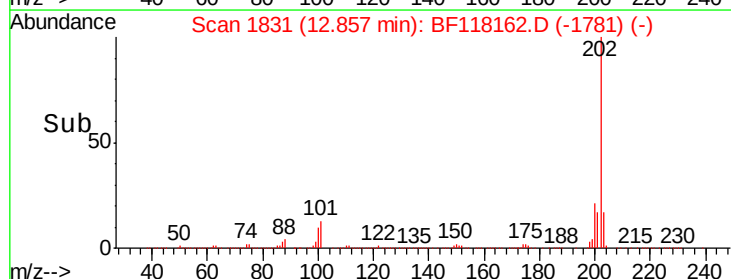
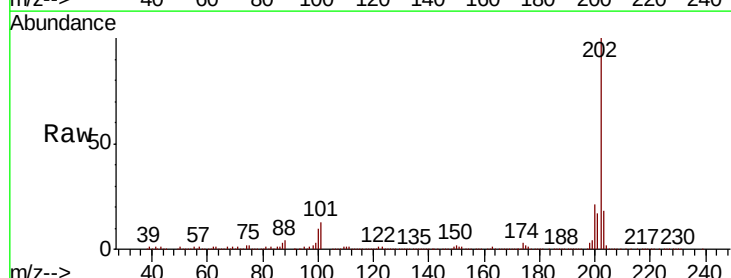
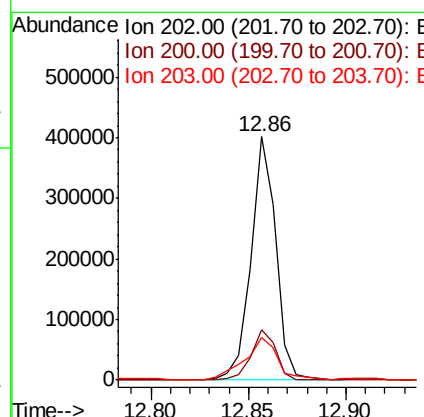
Manual Integrations
APPROVED

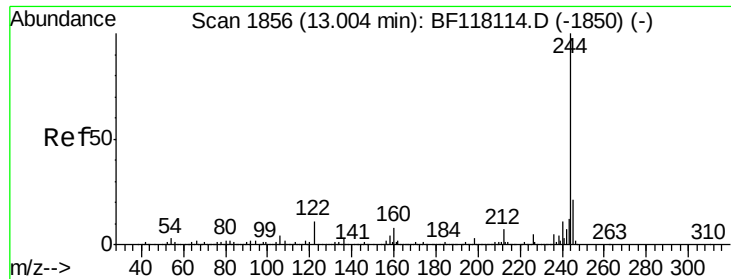
mohammad
12/11/2019 12:31:32 PM



#78
Pyrene
Concen: 20.096 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.5	26.3
203	17.6	14.6	21.8





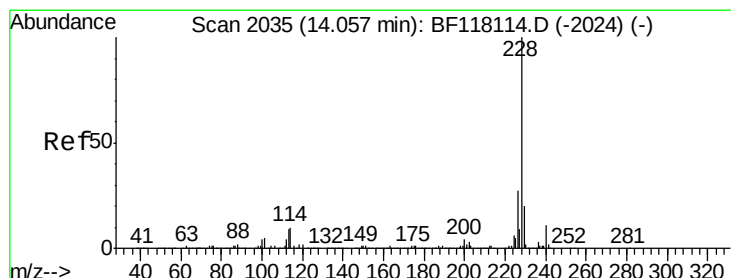
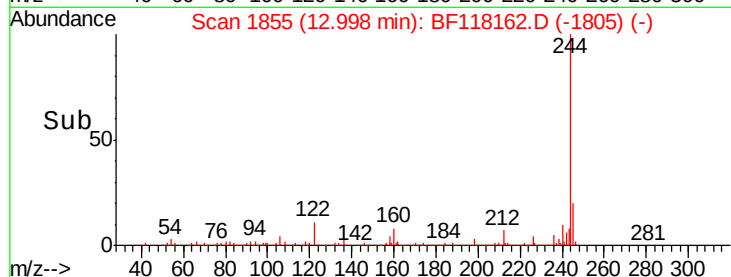
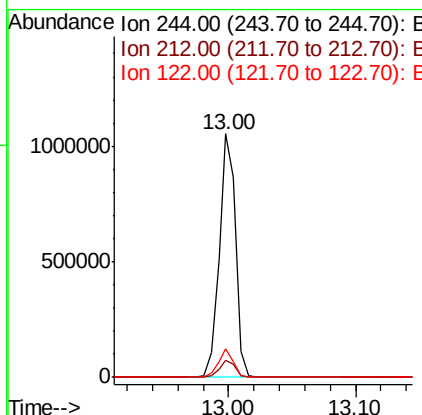
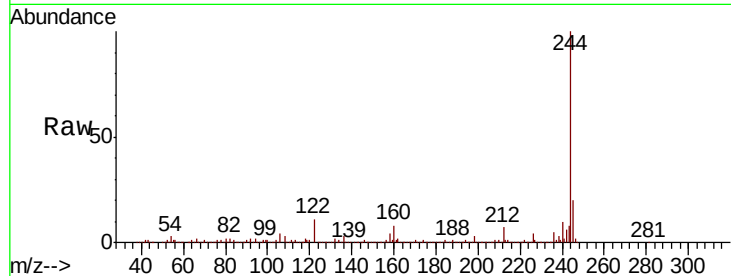
#79
 Terphenyl-d14
 Concen: 73.079 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF118162.D
 Acq: 10 Dec 2019 12:49

Instrument :
 BNA_F
 ClientSampled :
 WC-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	11.5	9.0	13.6

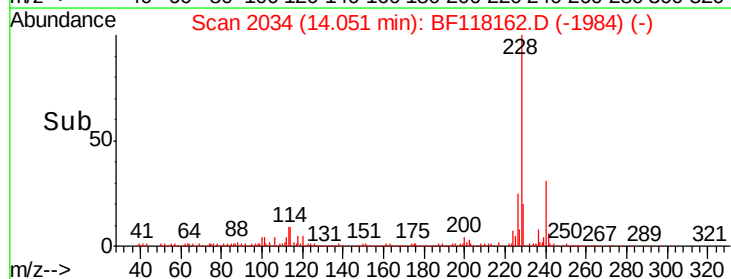
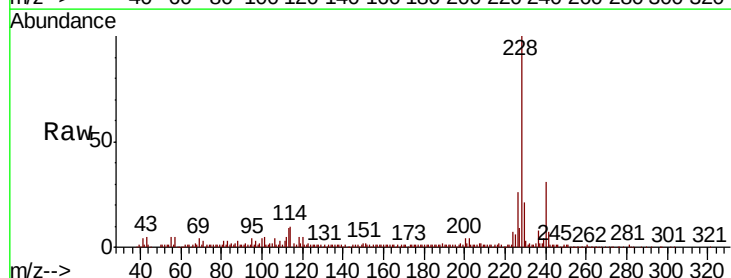
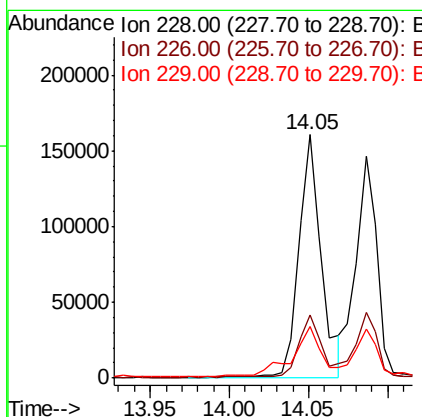
Manual Integrations
 APPROVED

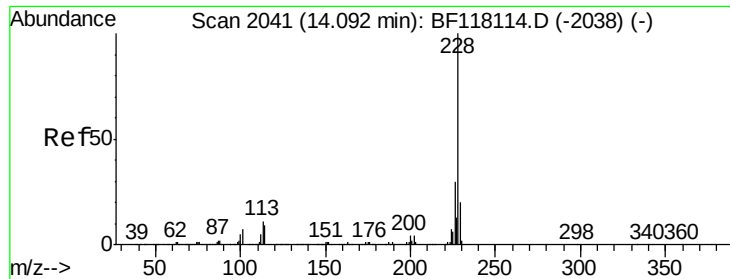
mohammad
 12/11/2019 12:31:32 PM



#81
 Benzo(a)anthracene
 Concen: 10.213 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF118162.D
 Acq: 10 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.8
229	21.4	15.8	23.8





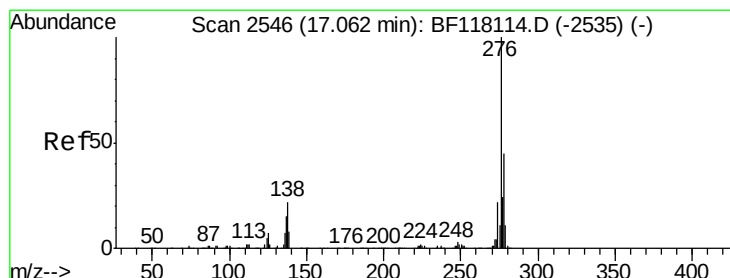
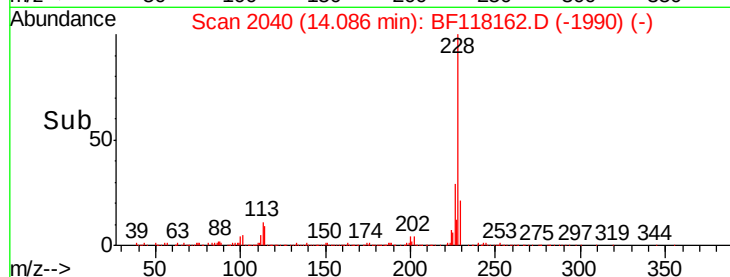
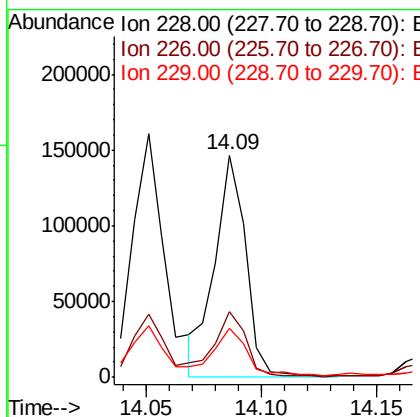
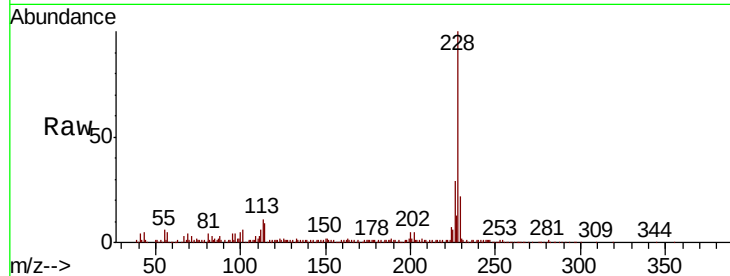
#83
Chrysene
Concen: 9.236 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Instrument :
BNA_F
ClientSampleId :
WC-01

Tot Ion:	228	Resp:	135847
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.8	35.8
229	22.2	15.7	23.5

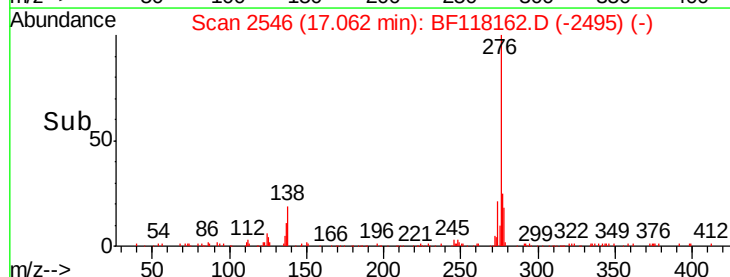
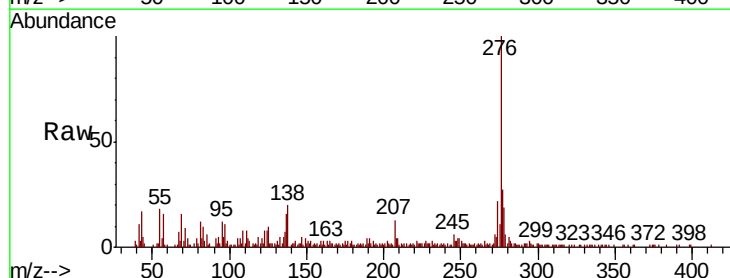
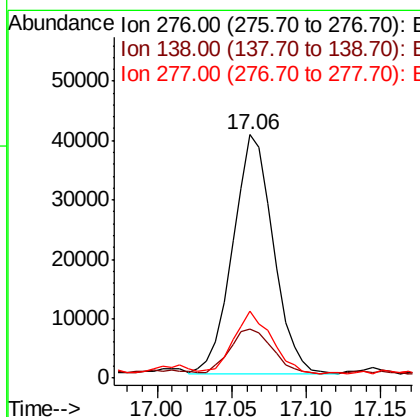
Manual Integrations
APPROVED

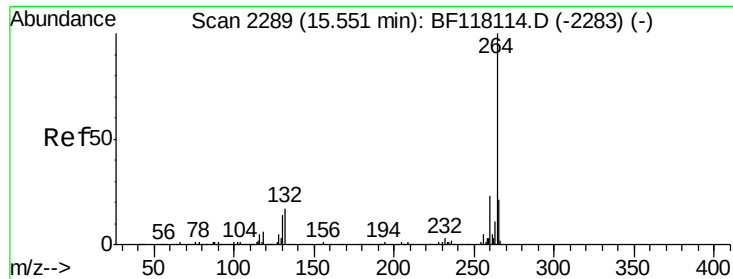
mohammad
12/11/2019 12:31:32 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.143 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Tgt Ion:	276	Resp:	76021
Ion Ratio	Lower	Upper	
276	100		
138	20.5	18.9	28.3
277	24.3	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BF118162.D

Acq: 10 Dec 2019 12:49

Instrument :

BNA_F

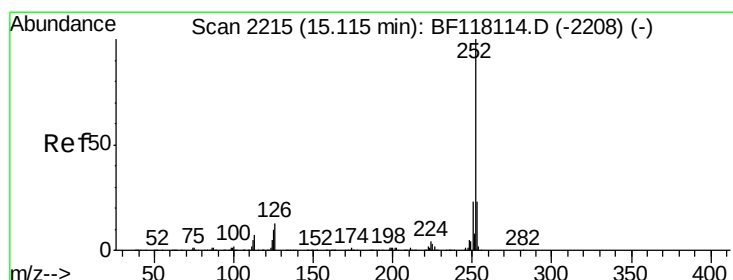
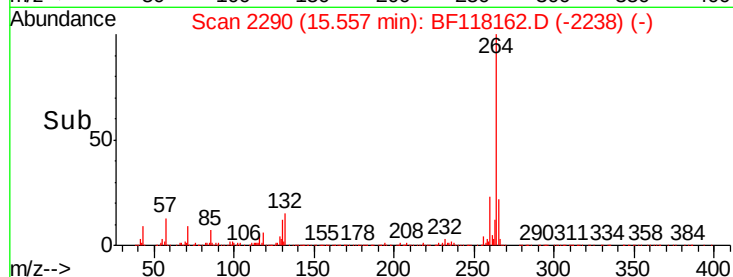
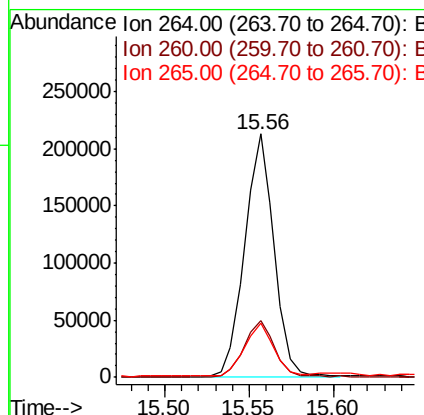
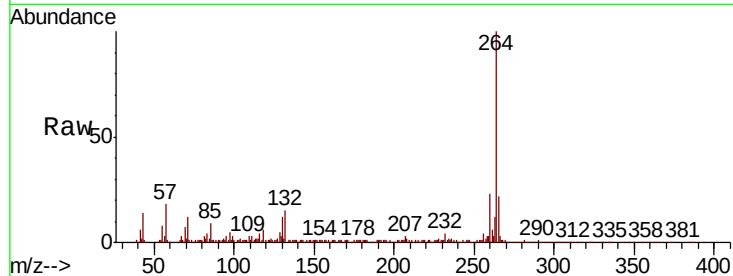
ClientSampled :

WC-01

Tot Ion:	264	Resp:	257347
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.6	28.0
265	22.5	16.8	25.2

Manual Integrations
APPROVED

mohammad
12/11/2019 12:31:32 PM



#88

Benzo(b)fluoranthene

Concen: 9.725 ng m

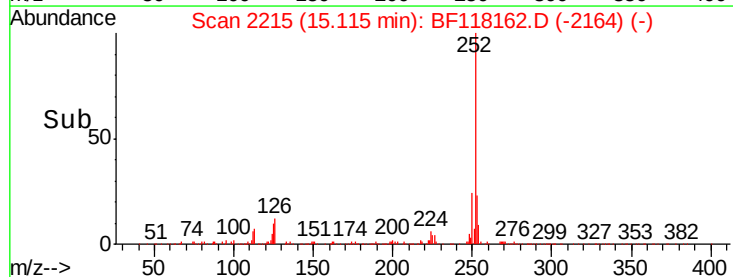
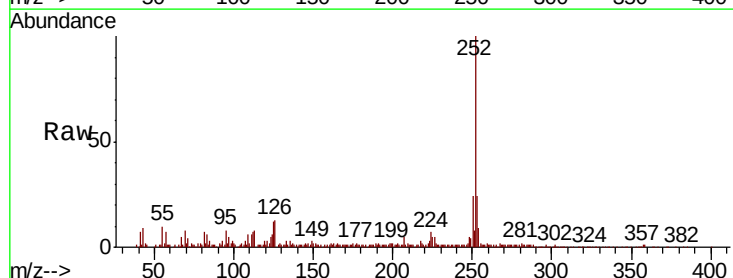
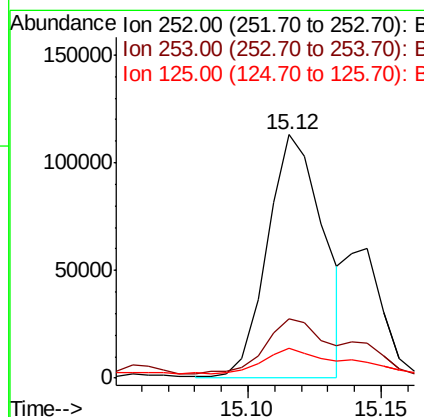
RT: 15.12 min Scan# 2215

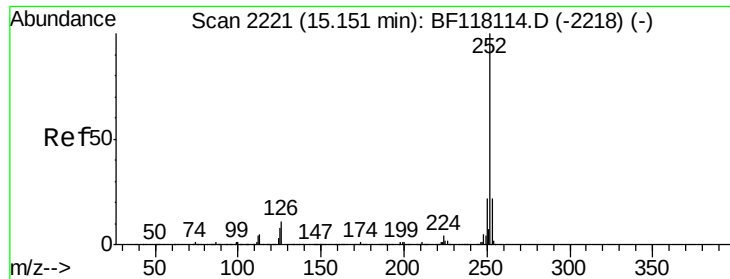
Delta R.T. -0.00 min

Lab File: BF118162.D

Acq: 10 Dec 2019 12:49

Tgt Ion:	252	Resp:	165523
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.2	27.4
125	12.4	8.3	12.5





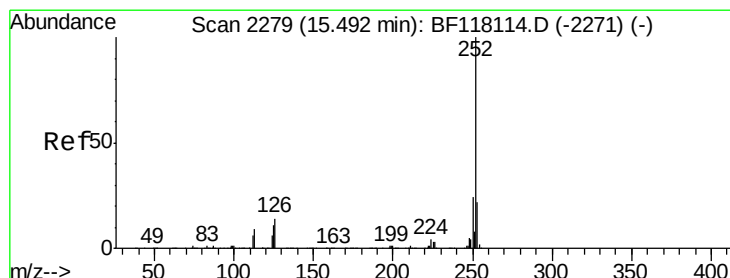
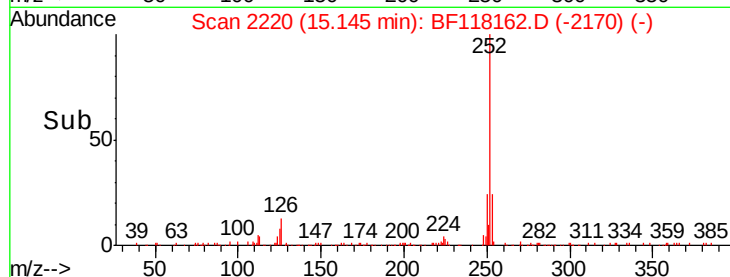
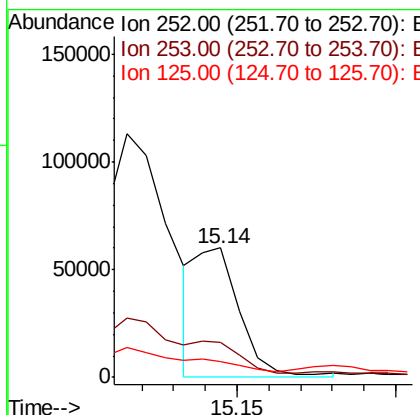
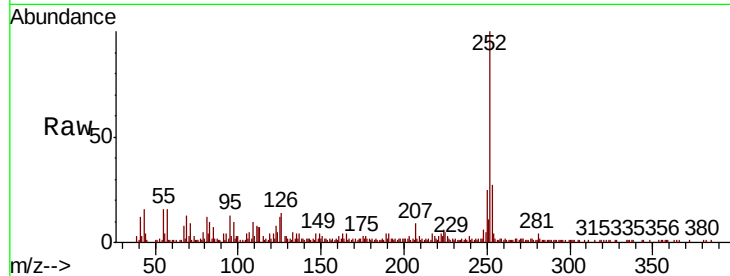
#89
Benzo(k)fluoranthene
Concen: 3.567 ng/mL
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Instrument :
BNA_F
ClientSampled :
WC-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.6	26.4
125	12.2	6.7	10.1

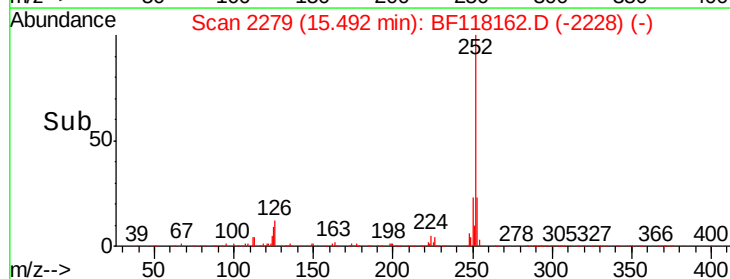
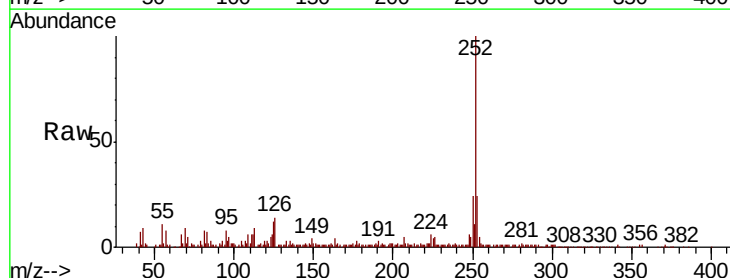
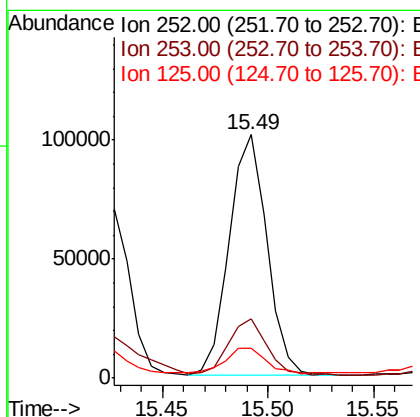
Manual Integrations
APPROVED

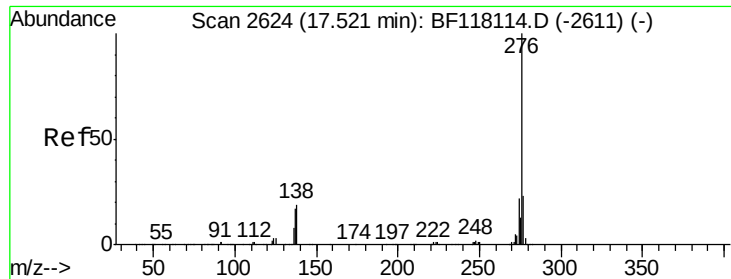
mohammad
12/11/2019 12:31:32 PM



#90
Benzo(a)pyrene
Concen: 8.358 ng/mL
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF118162.D
Acq: 10 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	12.3	9.1	13.7





#92
 Benzo(a,h,i)perylene
 Concen: 5.883 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. -0.00 min
 Lab File: BF118162.D
 Acq: 10 Dec 2019 12:49

Instrument :
 BNA_F
 ClientSampleId :
 WC-01

Tot Ion:	276	Resp:	72889
Ion Ratio	Lower	Upper	
276	100		
277	26.2	18.2	27.4
138	22.9	15.5	23.3

Manual Integrations
 APPROVED

mohammad
 12/11/2019 12:31:32 PM

