

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
 Data File : BF118158.D
 Acq On : 9 Dec 2019 21:40
 Operator : JU
 Sample : K6194-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-01

Manual Integrations
 APPROVED

mohammad
 12/10/2019 11:50:28 AM

Quant Time: Dec 10 02:33:38 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	102279	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	353701	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	159261	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	262364	20.00	ng	0.00
76) Chrysene-d12	14.06	240	246089	20.00	ng	0.00
87) Perylene-d12	15.56	264	229811	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	578637	99.09	ng	0.00
7) Phenol-d6	6.50	99	704967	99.81	ng	0.00
23) Nitrobenzene-d5	7.43	82	410447	65.28	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	179856	92.96	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	804187	76.84	ng	0.00
79) Terphenyl-d14	13.00	244	842647	58.88	ng	0.00
Target Compounds						
10) Phenol	6.51	94	41336	5.132	ng	94
50) Dimethylphthalate	9.63	163	54268	4.613	ng	99
71) Phenanthrene	11.43	178	216878	15.550	ng	99
72) Anthracene	11.49	178	47965	3.447	ng	99
75) Fluoranthene	12.63	202	304841	21.378	ng	99
78) Pyrene	12.86	202	313119	16.146	ng	98
81) Benzo(a)anthracene	14.05	228	167731	9.857	ng	96
83) Chrysene	14.09	228	146903	9.038	ng	96
86) Indeno(1,2,3-cd)pyrene	17.06	276	56308	4.117	ng	# 94
88) Benzo(b)fluoranthene	15.12	252	166067m	10.926	ng	
89) Benzo(k)fluoranthene	15.14	252	60245m	4.126	ng	
90) Benzo(a)pyrene	15.49	252	113794	8.477	ng	97
92) Benzo(a,h,i)perylene	17.52	276	56325	5.091	ng	95

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

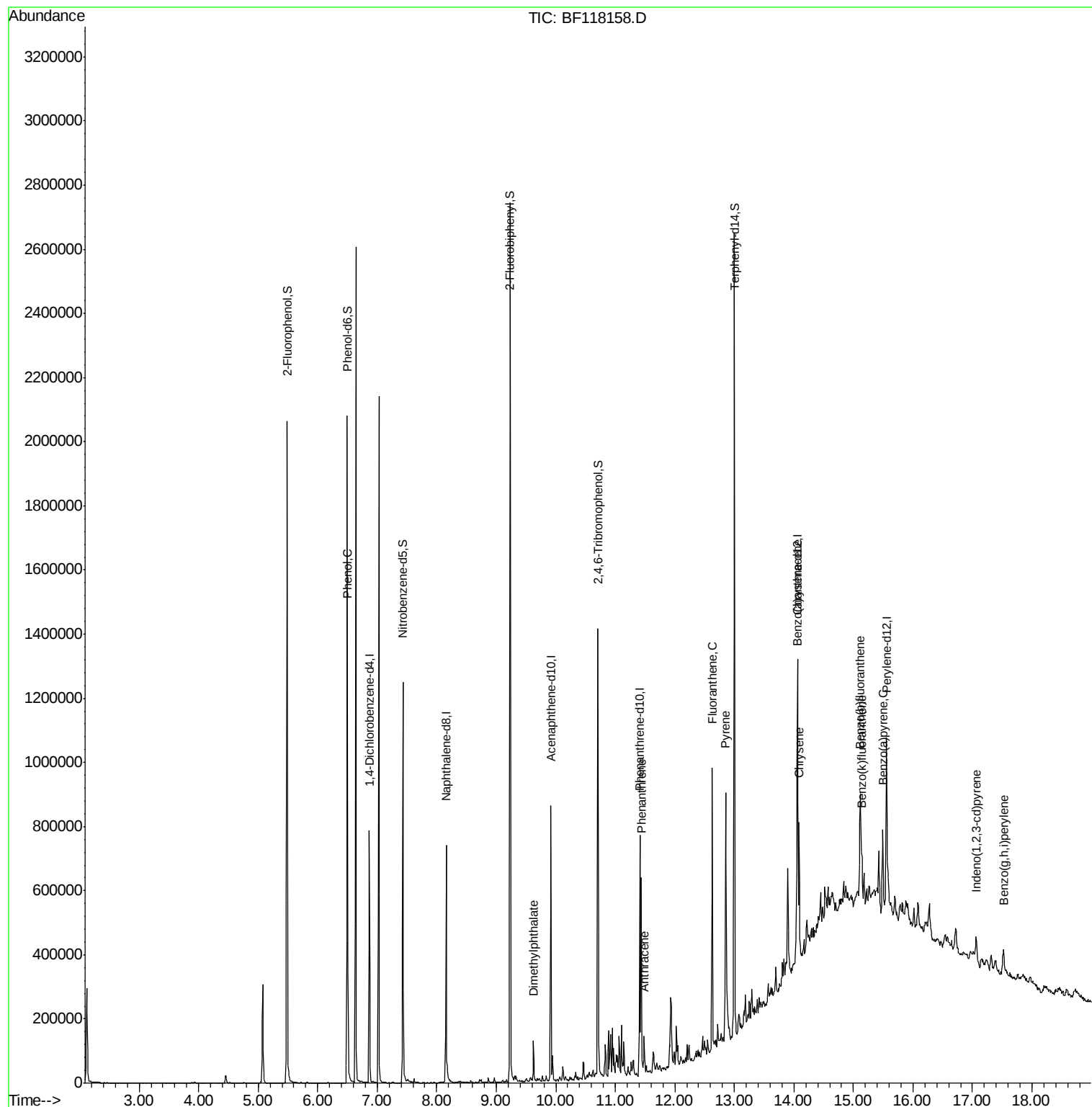
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

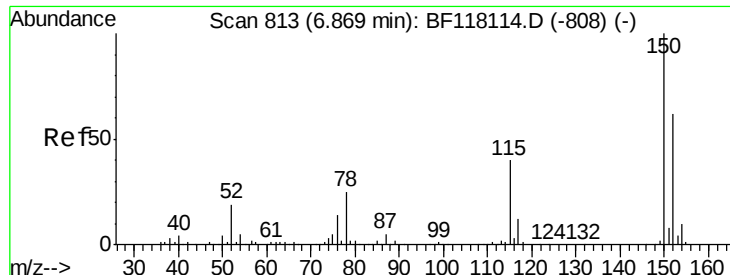
Instrument :
BNA_F
ClientSampleId :
WC-01

Manual Integrations
APPROVED

mohammad
12/10/2019 11:50:28 AM

Quant Time: Dec 10 02:33:38 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

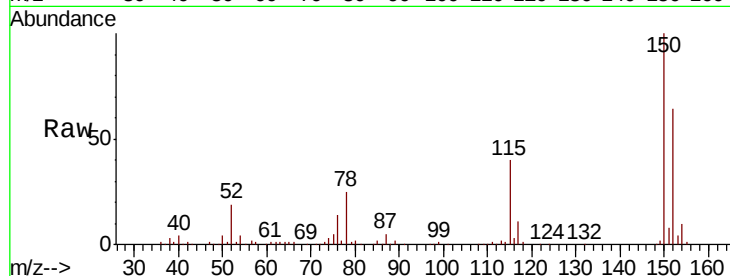
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Instrument :
BNA_F
ClientSampled :
WC-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	128.3	192.5
115	62.1	51.1	76.7

Manual Integrations
APPROVED

mohammad
12/10/2019 11:50:28 AM

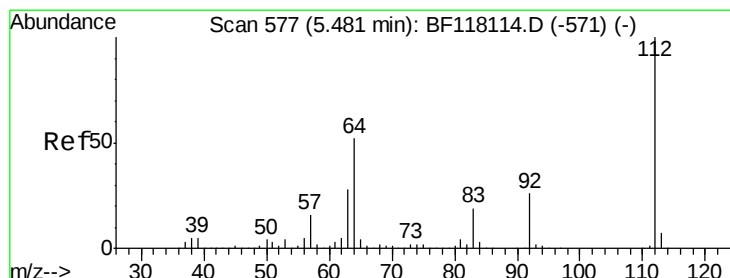
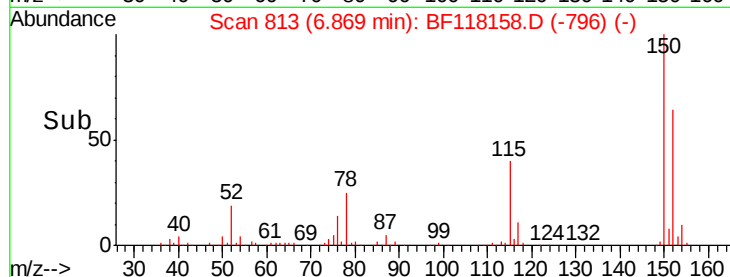
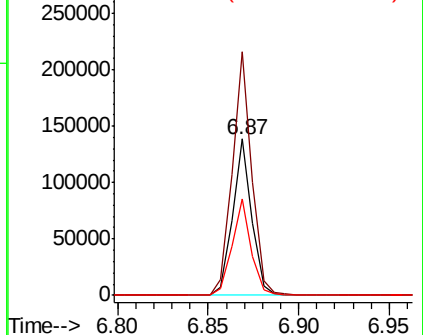


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

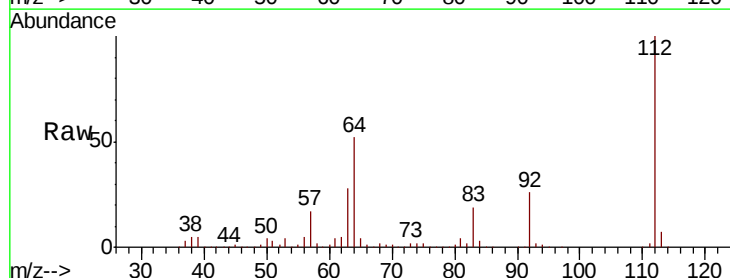
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.088 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.3	61.9
63	28.3	22.4	33.6

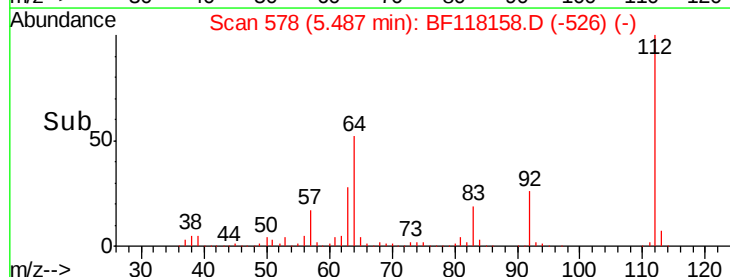
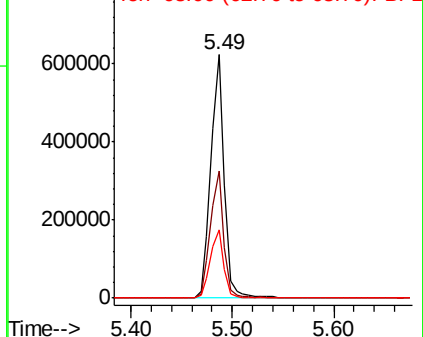


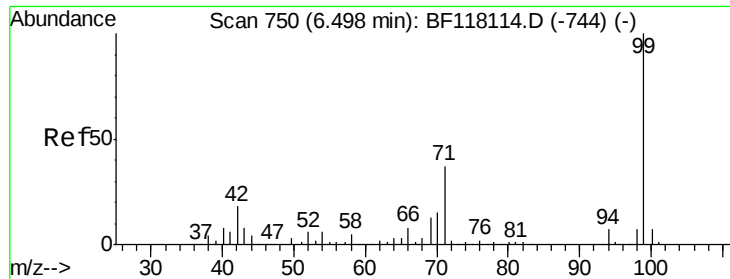
Abundance

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: 99.808 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118158.D

Acq: 9 Dec 2019 21:40

Instrument :

BNA_F

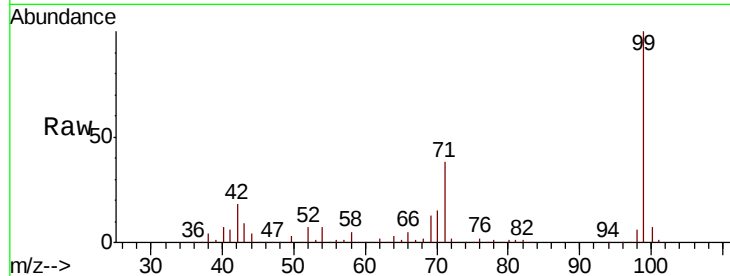
ClientSampled :

WC-01

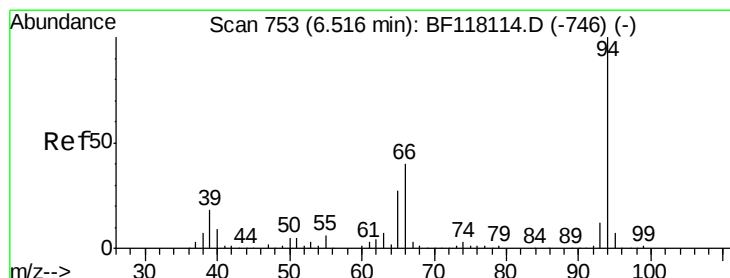
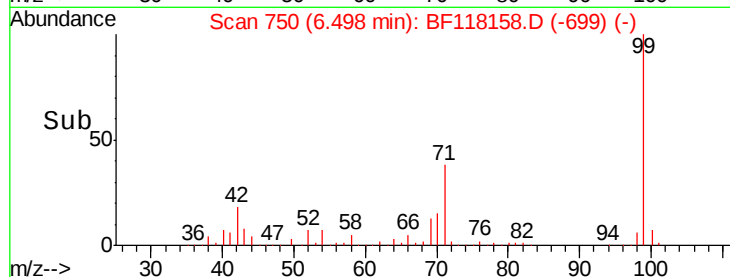
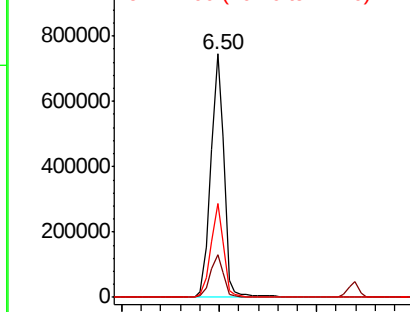
Tot Ion:	99	Resp:	704967
Ion Ratio	Lower	Upper	
99	100		
42	17.7	14.1	21.1
71	38.3	29.7	44.5

Manual Integrations
APPROVED

mohammad
12/10/2019 11:50:28 AM



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: 5.132 ng

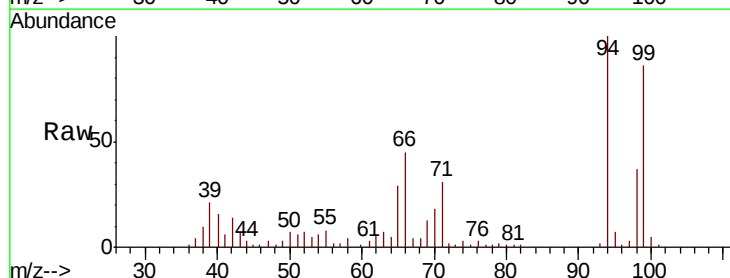
RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

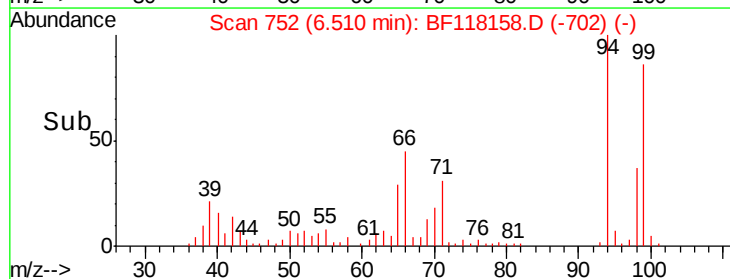
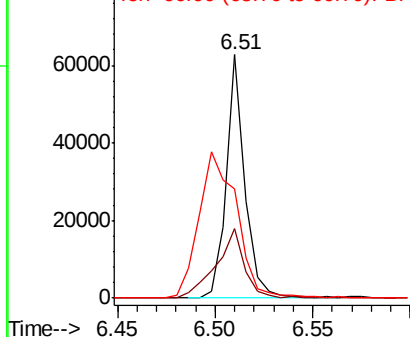
Lab File: BF118158.D

Acq: 9 Dec 2019 21:40

Tgt Ion:	94	Resp:	41336
Ion Ratio	Lower	Upper	
94	100		
65	28.6	7.3	47.3
66	45.1	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





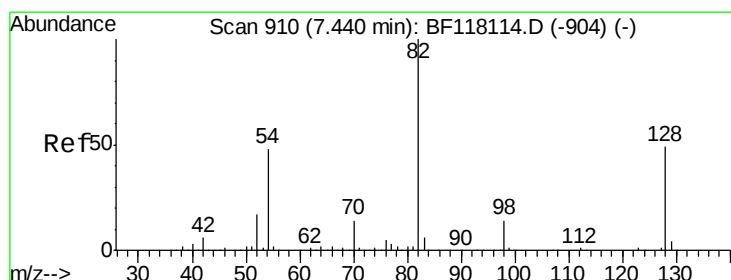
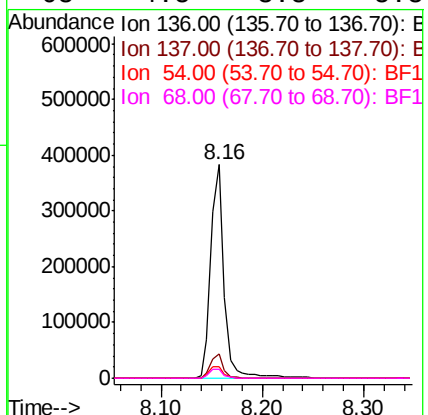
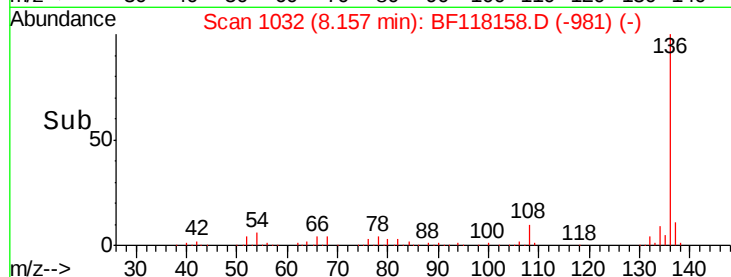
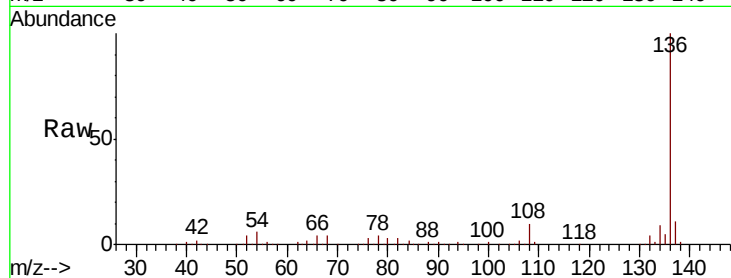
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Instrument :
BNA_F
ClientSampled :
WC-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		353701		
137	11.2	9.0	13.6		
54	5.7	5.0	7.6		
68	4.5	3.8	5.8		

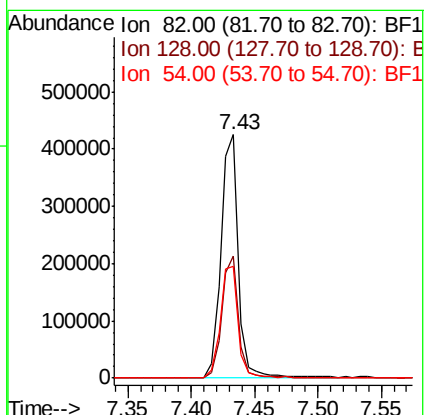
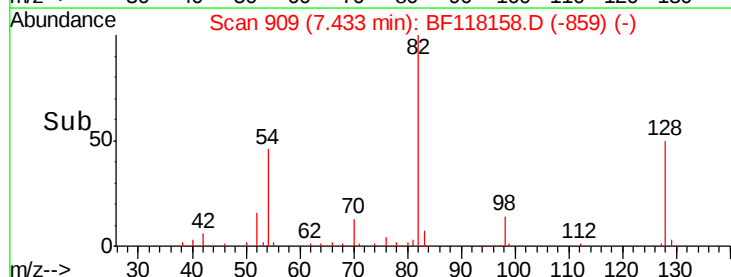
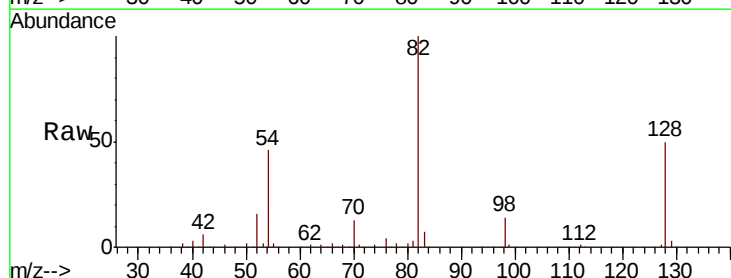
Manual Integrations
APPROVED

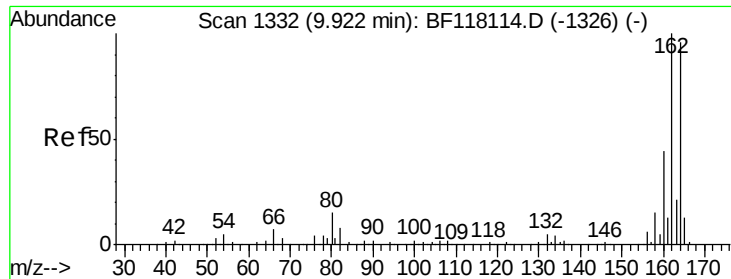
mohammad
12/10/2019 11:50:28 AM



#23
Nitrobenzene-d5
Concen: 65.284 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		410447		
128	50.3	39.1	58.7		
54	46.1	38.2	57.2		





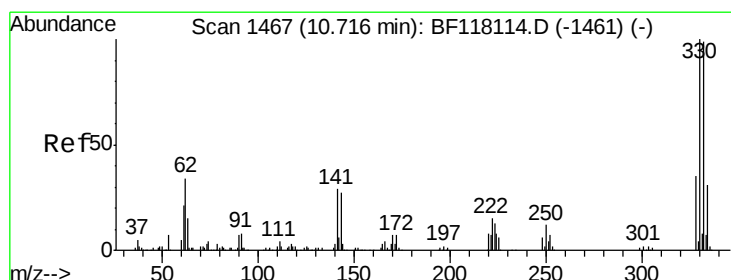
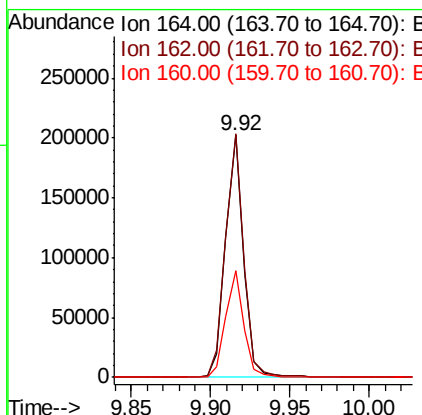
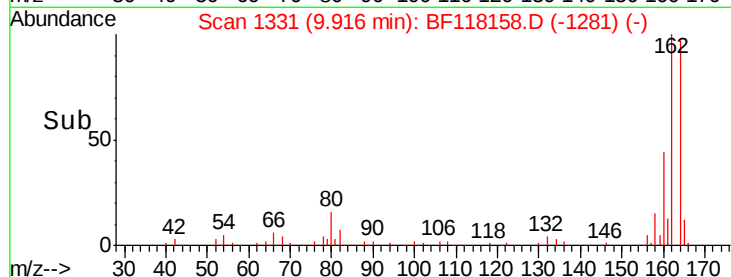
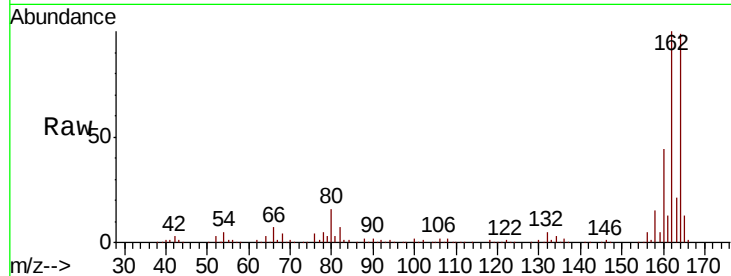
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Instrument :
BNA_F
ClientSampleId :
WC-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100	159261		
162	100.7	83.4	125.0	
160	44.1	36.6	54.8	

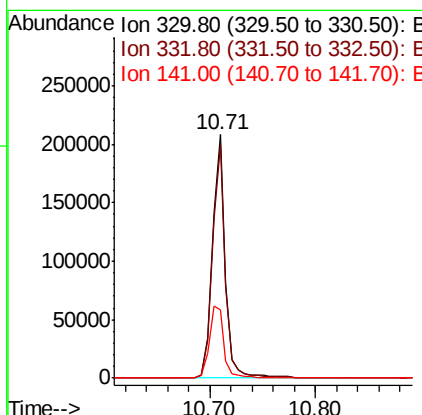
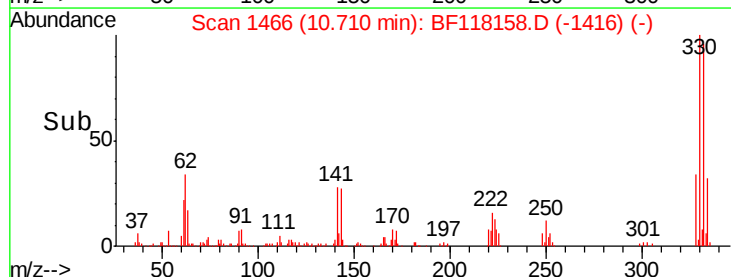
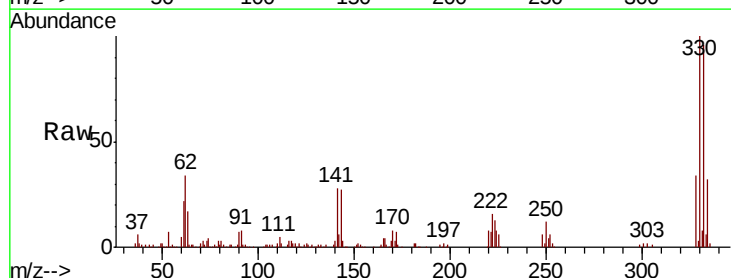
Manual Integrations
APPROVED

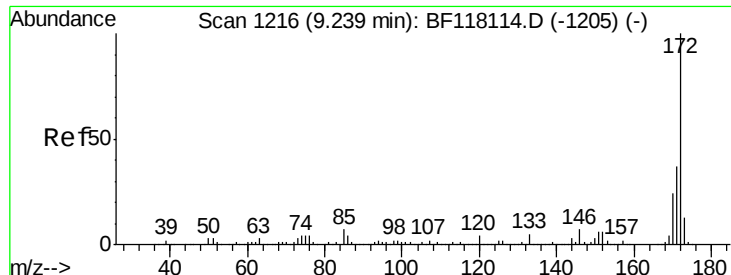
mohammad
12/10/2019 11:50:28 AM



#42
2,4,6-Tribromophenol
Concen: 92.962 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	179856		
332	95.7	78.1	117.1	
141	34.1	26.9	40.3	





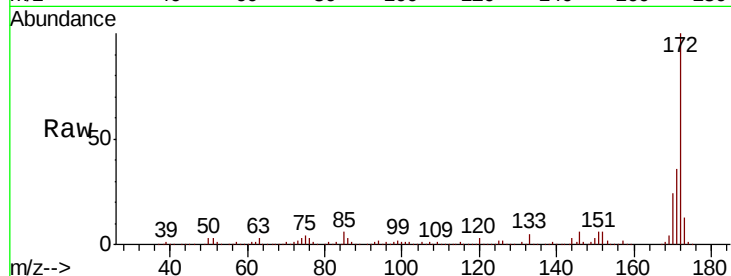
#45
2-Fluorobiphenyl
Concen: 76.835 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Instrument :
BNA_F
ClientSampleId :
WC-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.8	19.4	29.2

Manual Integrations
APPROVED

mohammad
12/10/2019 11:50:28 AM

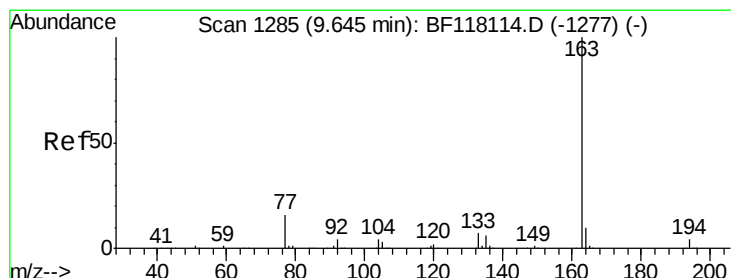
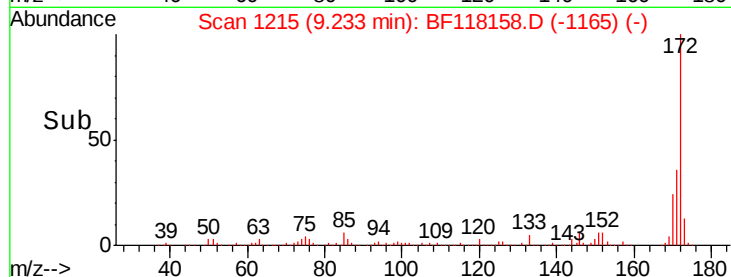
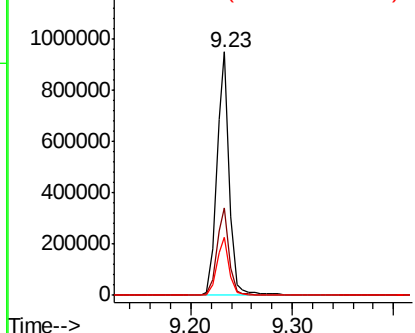


Abundance

Ion 172.00 (171.70 to 172.70): E

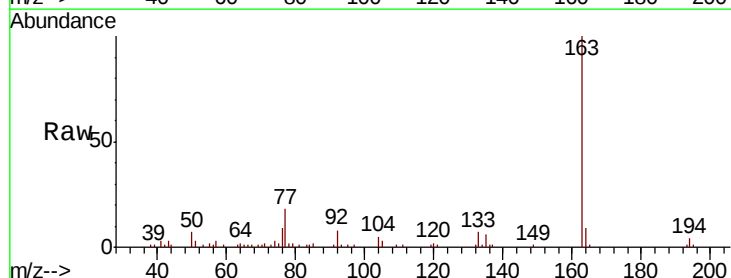
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.613 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.1	7.7	11.5

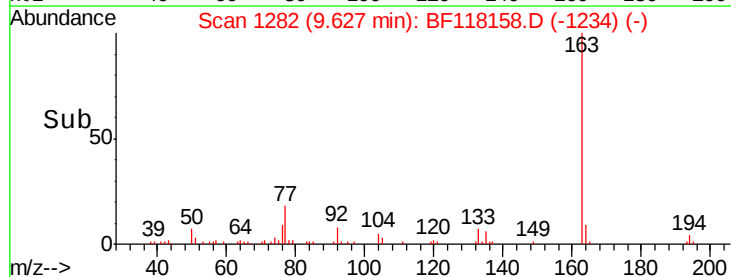
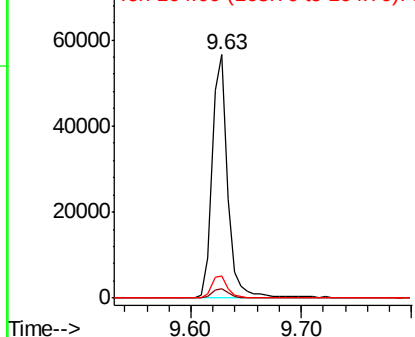


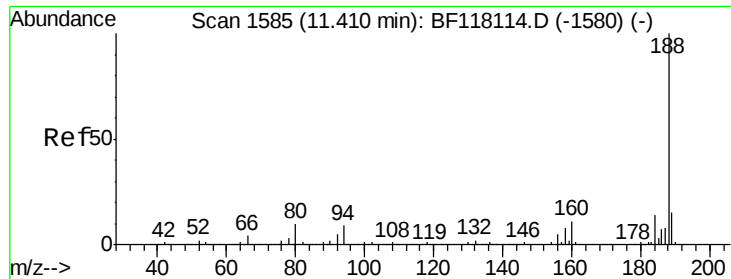
Abundance

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





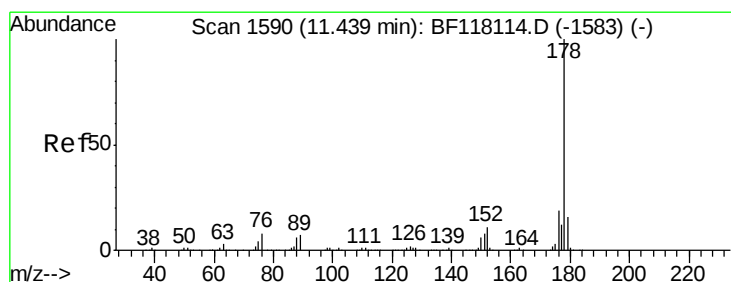
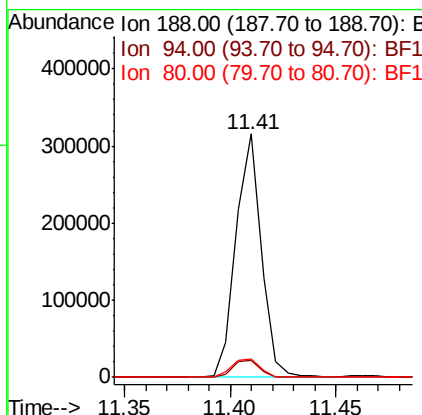
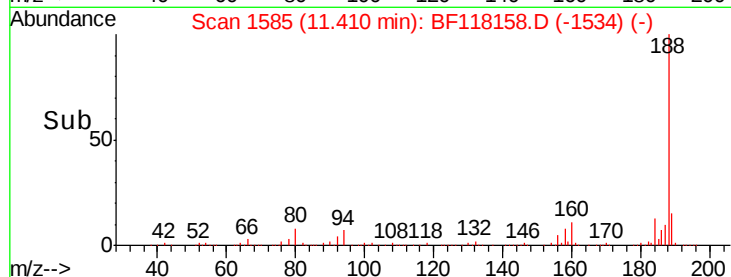
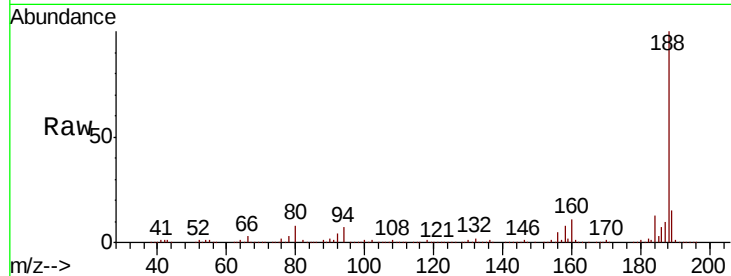
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Instrument :
BNA_F
ClientSampleId :
WC-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	262364		
94	7.2		7.1	10.7
80	7.8		7.9	11.9#

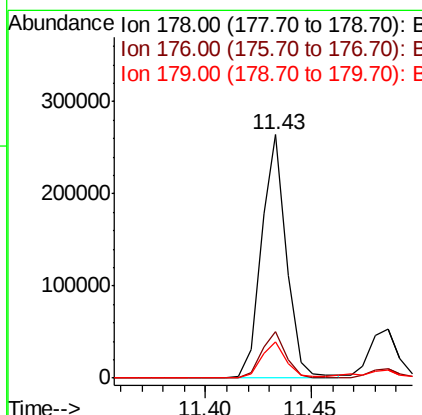
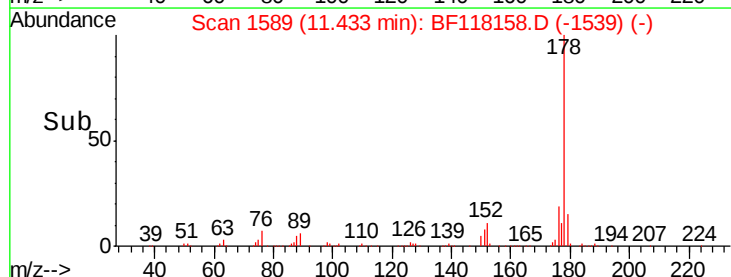
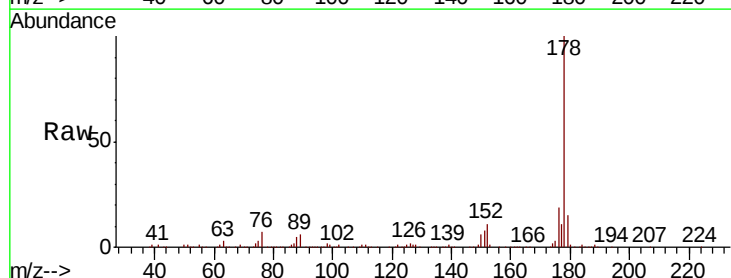
Manual Integrations
APPROVED

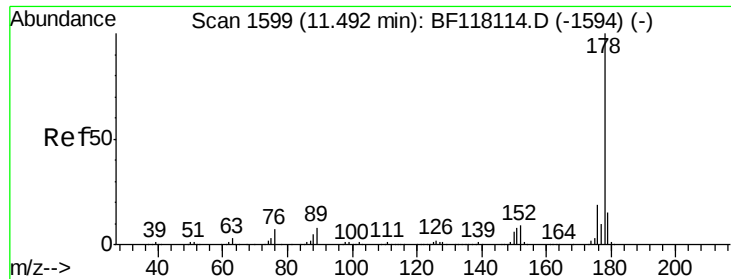
mohammad
12/10/2019 11:50:28 AM



#71
Phenanthrene
Concen: 15.550 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	216878		
176	18.9		15.5	23.3
179	15.1		12.6	18.8





#72

Anthracene

Concen: 3.447 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF118158.D

Acq: 9 Dec 2019 21:40

Instrument :

BNA_F

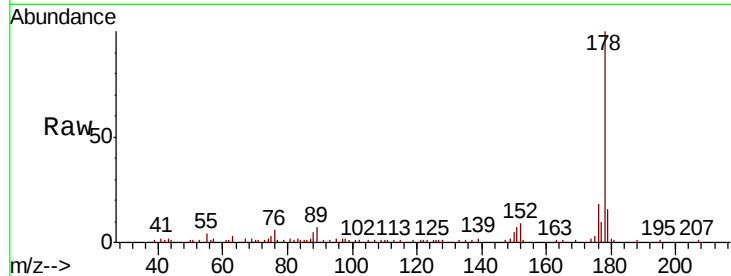
ClientSampled :

WC-01

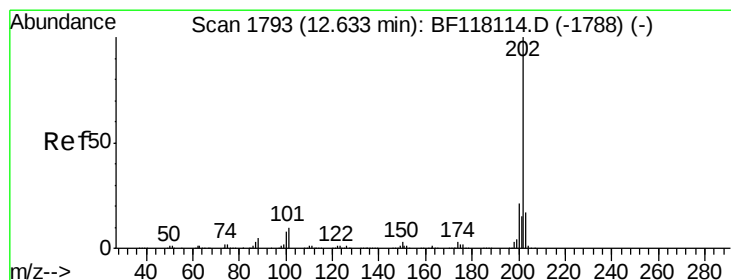
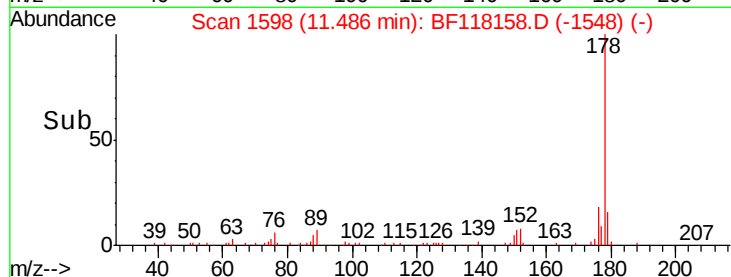
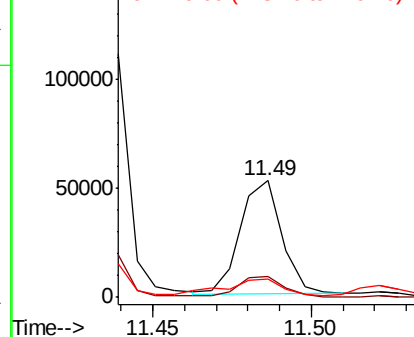
Tot Ion:	178	Resp:	47965
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.0	22.6
179	15.9	12.2	18.4

Manual Integrations
APPROVED

mohammad
12/10/2019 11:50:28 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: 21.378 ng

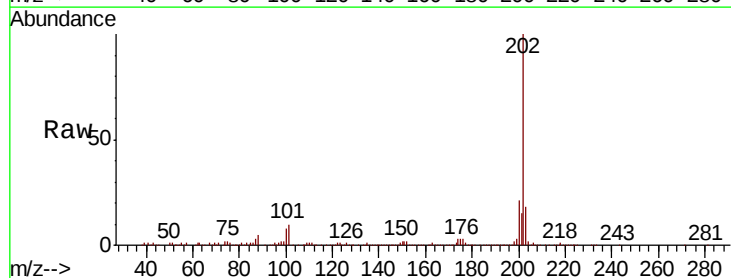
RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

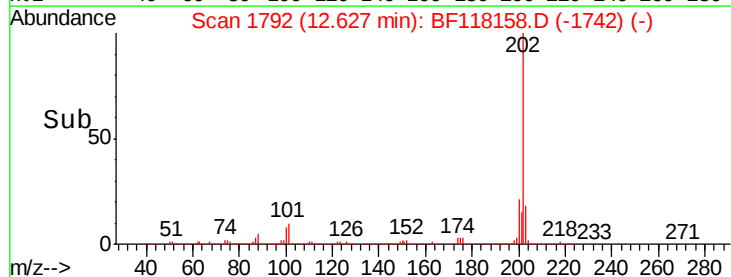
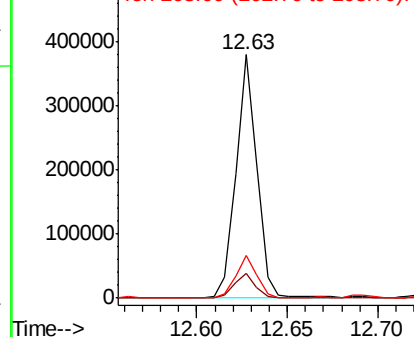
Lab File: BF118158.D

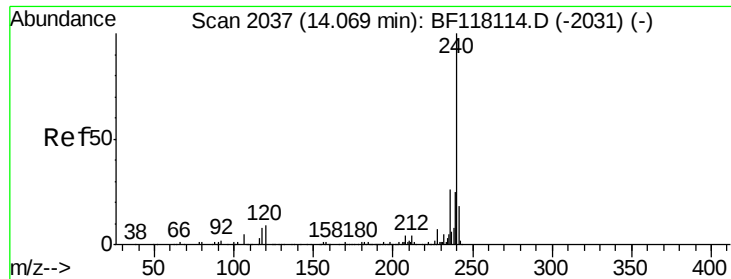
Acq: 9 Dec 2019 21:40

Tgt Ion:	202	Resp:	304841
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	30.4
203	17.5	0.0	37.2



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





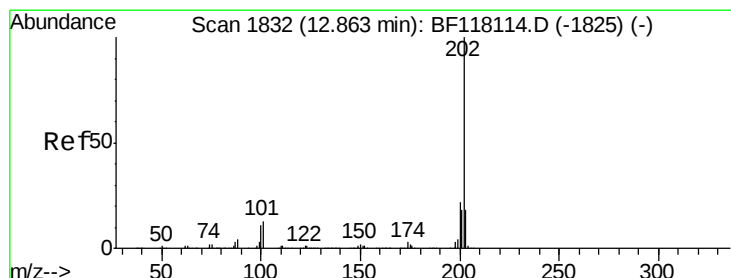
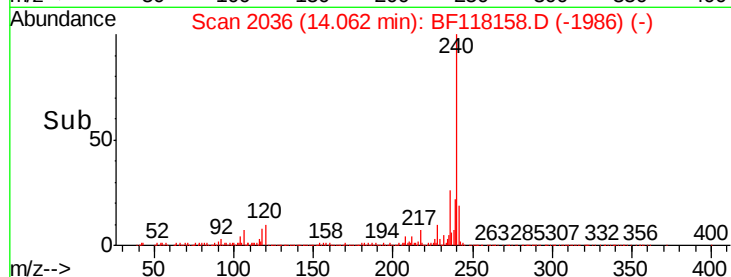
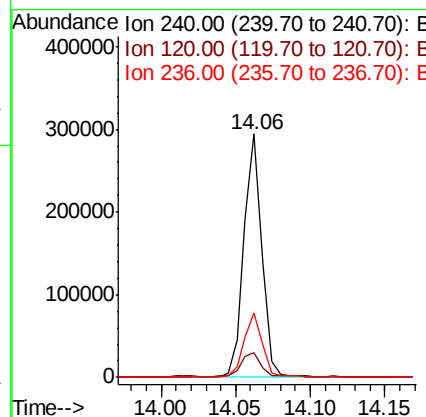
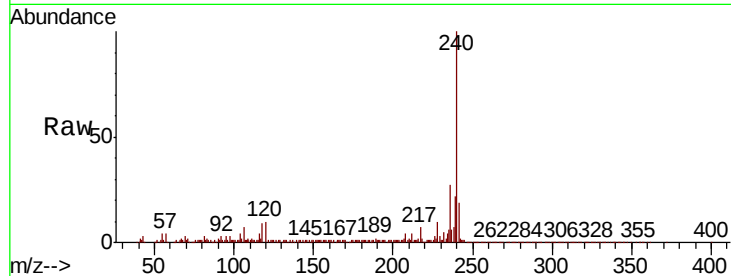
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Instrument :
BNA_F
ClientSampleId :
WC-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.1	10.7
236	26.6	21.0	31.6

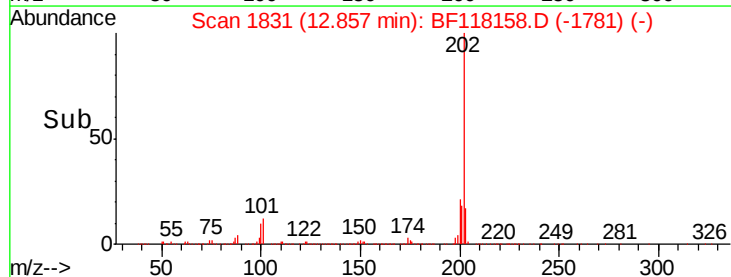
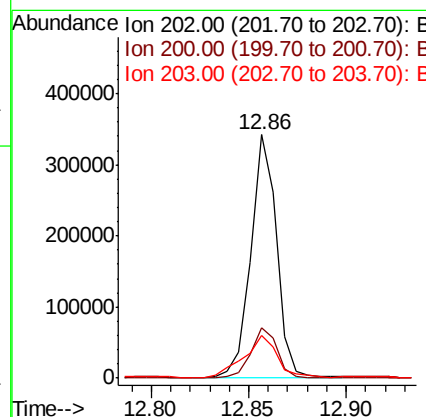
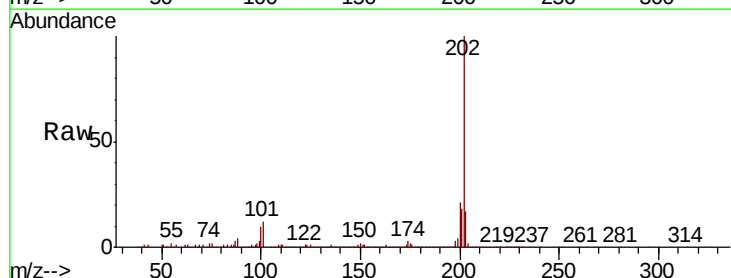
Manual Integrations
APPROVED

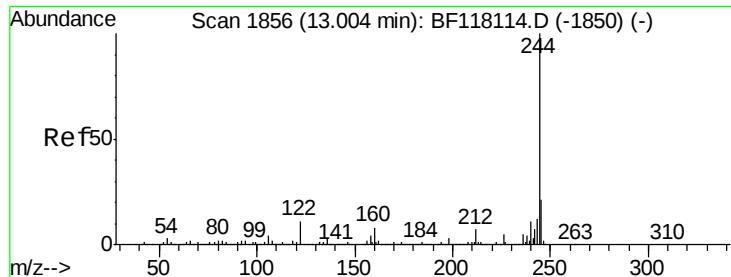
mohammad
12/10/2019 11:50:28 AM



#78
Pyrene
Concen: 16.146 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.5	26.3
203	17.3	14.6	21.8





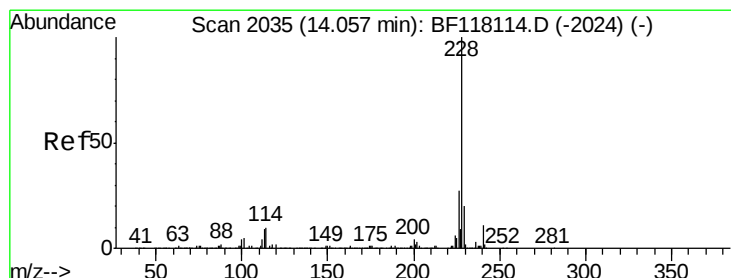
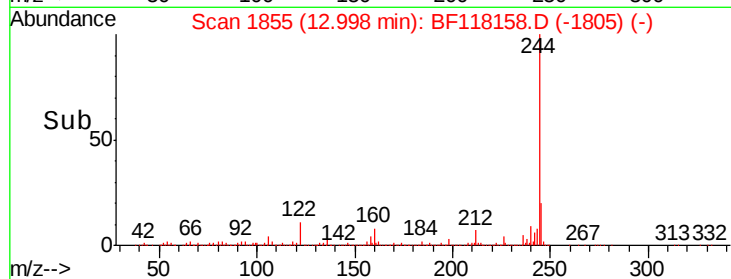
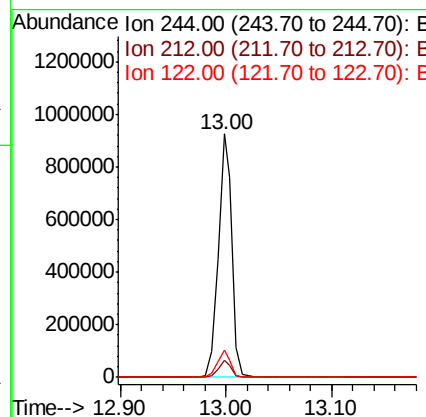
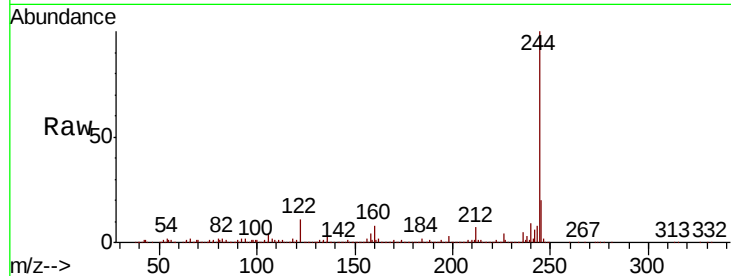
#79
 Terphenyl-d14
 Concen: 58.883 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BF118158.D
 Acq: 9 Dec 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :
 WC-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.5	9.0	13.6

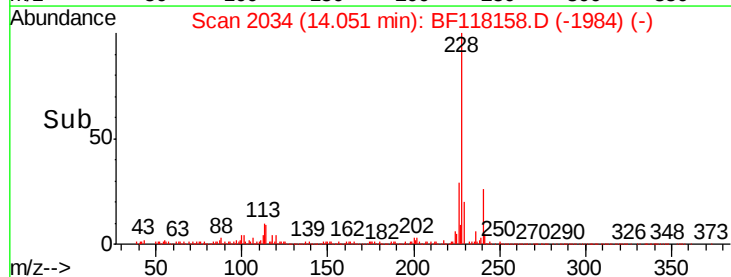
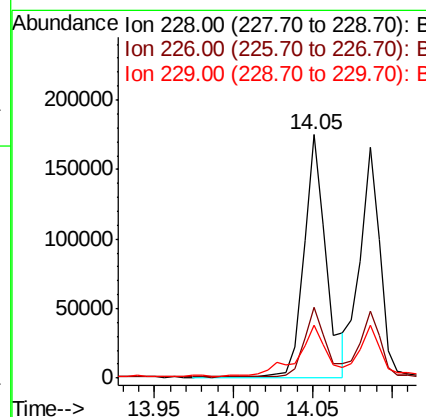
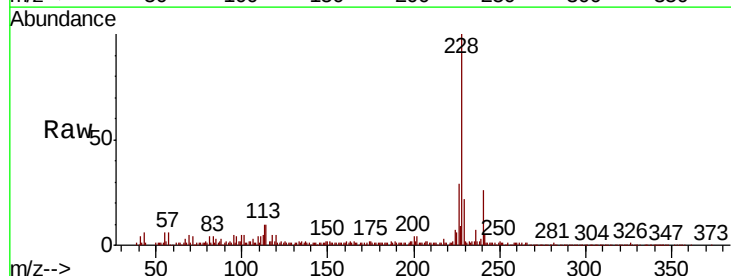
Manual Integrations
 APPROVED

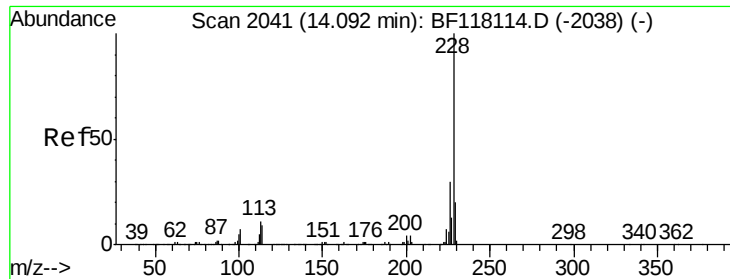
mohammad
 12/10/2019 11:50:28 AM



#81
 Benzo(a)anthracene
 Concen: 9.857 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF118158.D
 Acq: 9 Dec 2019 21:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.8
229	21.6	15.8	23.8





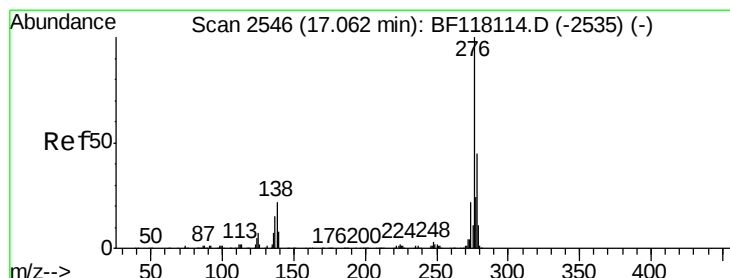
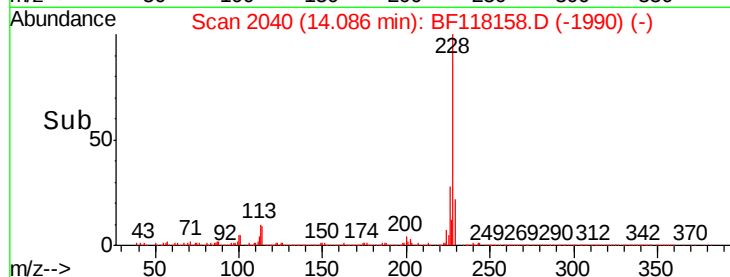
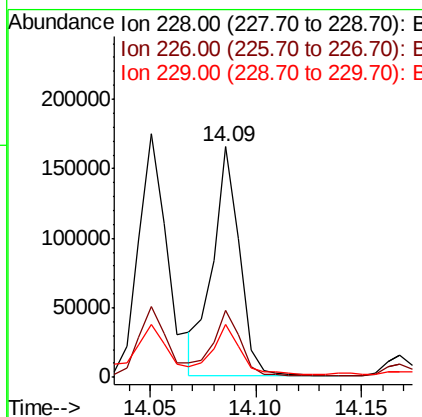
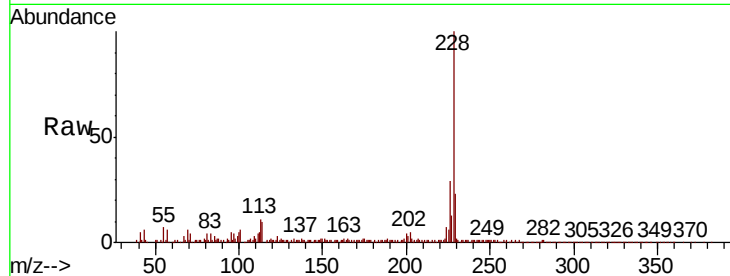
#83
 Chrysene
 Concen: 9.038 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.01 min
 Lab File: BF118158.D
 Acq: 9 Dec 2019 21:40

Instrument :
 BNA_F
 ClientSampleID :
 WC-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.8	35.8
229	22.8	15.7	23.5

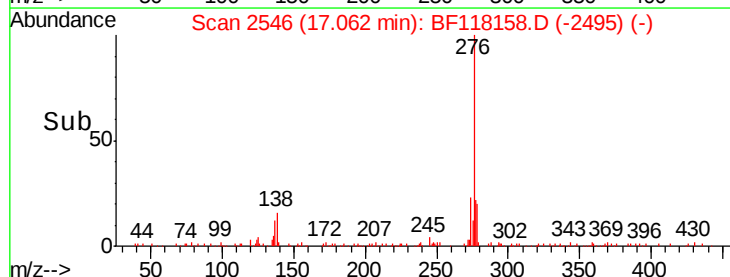
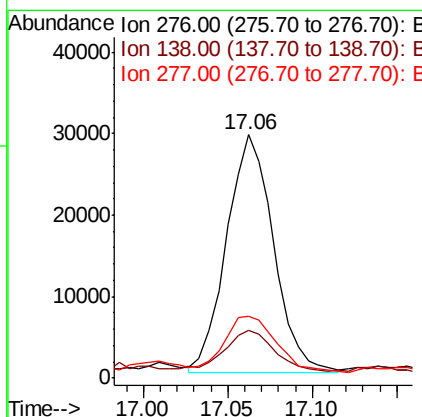
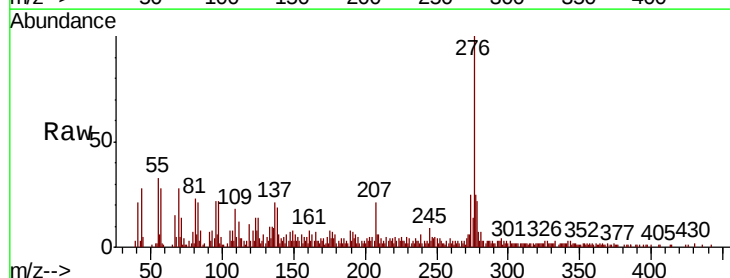
Manual Integrations
 APPROVED

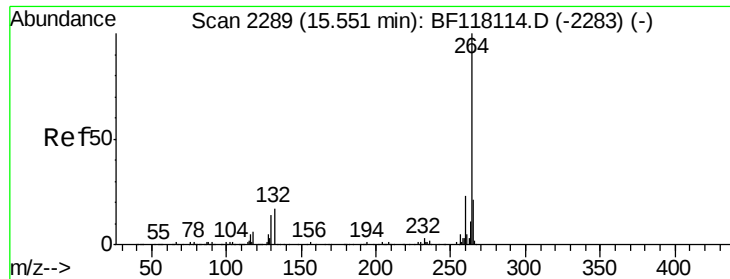
mohammad
 12/10/2019 11:50:28 AM



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.117 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: BF118158.D
 Acq: 9 Dec 2019 21:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.4	18.9	28.3#
277	26.0	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: BF118158.D

Acq: 9 Dec 2019 21:40

Instrument :

BNA_F

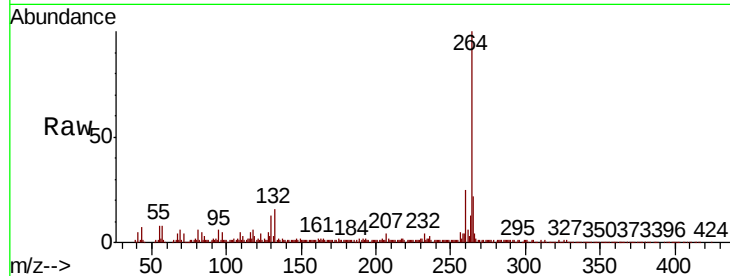
ClientSampleId :

WC-01

Tot Ion:	264	Resp:	229811
Ion Ratio		Lower	Upper
264	100		
260	25.3	18.6	28.0
265	22.4	16.8	25.2

Manual Integrations
APPROVED

mohammad
12/10/2019 11:50:28 AM

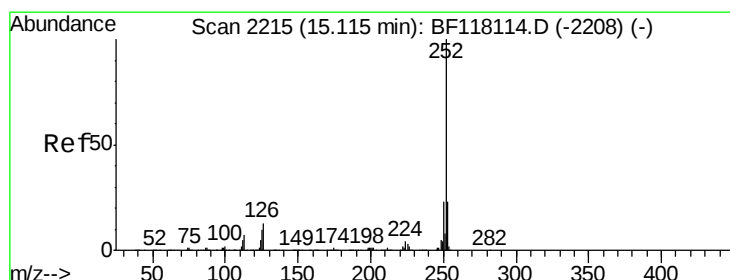
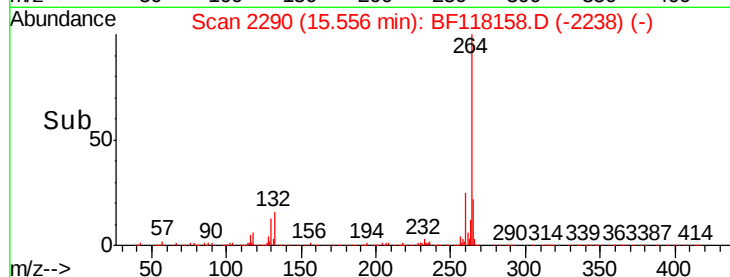
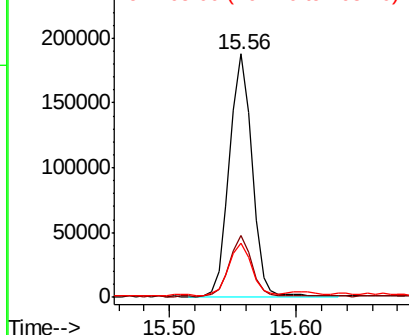


Abundance

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: 10.926 ng m

RT: 15.12 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BF118158.D

Acq: 9 Dec 2019 21:40

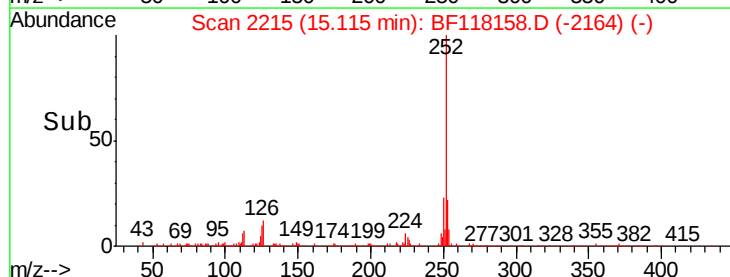
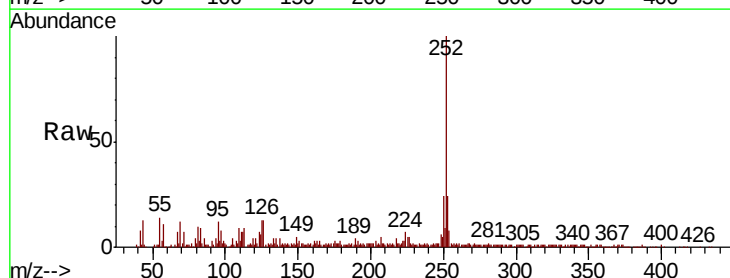
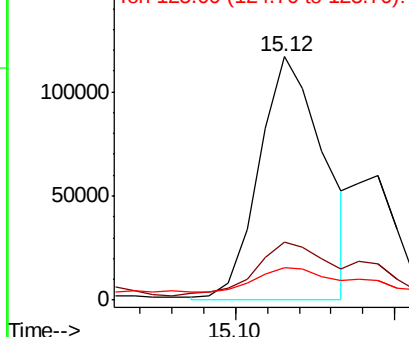
Tgt Ion:	252	Resp:	166067
Ion Ratio		Lower	Upper
252	100		
253	23.7	18.2	27.4
125	13.4	8.3	12.5#

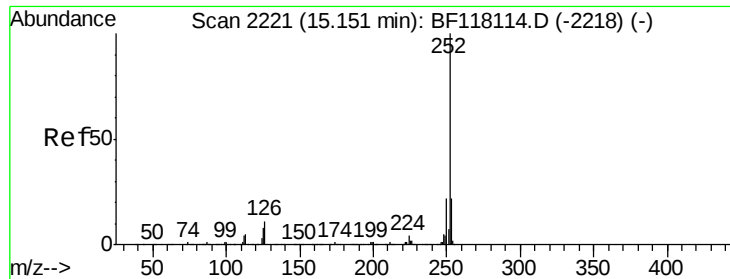
Abundance

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





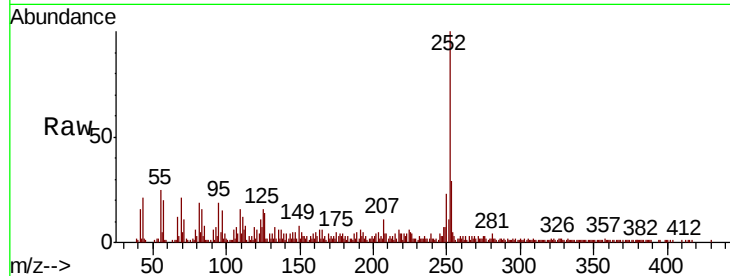
#89
Benzo(k)fluoranthene
Concen: 4.126 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

Instrument :
BNA_F
ClientSampled :
WC-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	17.6	26.4#
125	16.0	6.7	10.1#

Manual Integrations
APPROVED

mohammad
12/10/2019 11:50:28 AM

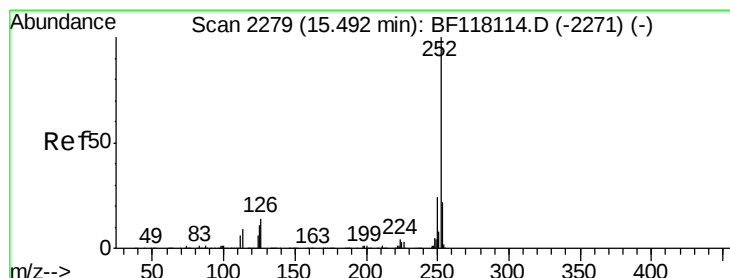
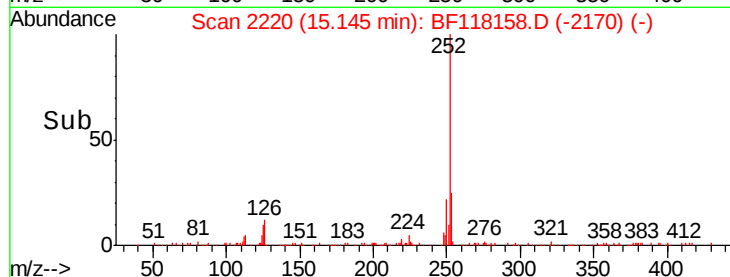
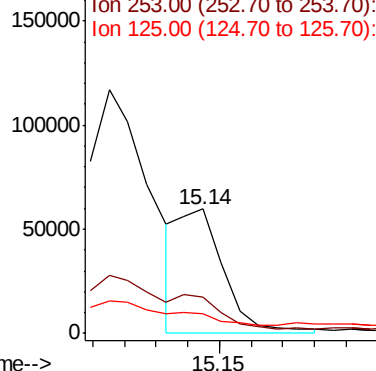


Abundance

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: 8.477 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF118158.D
Acq: 9 Dec 2019 21:40

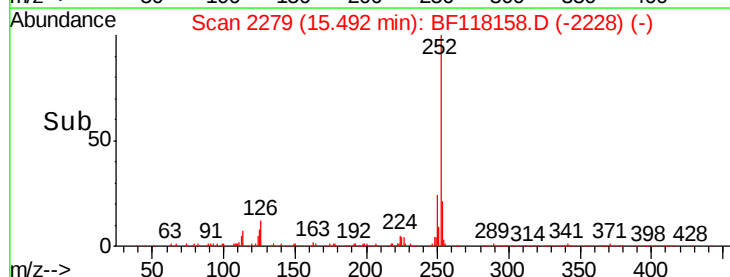
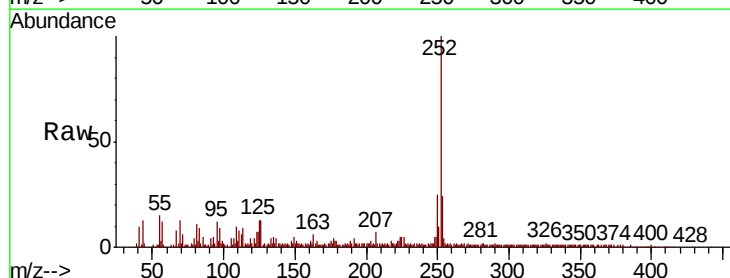
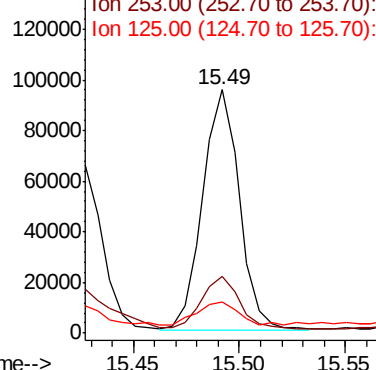
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	12.8	9.1	13.7

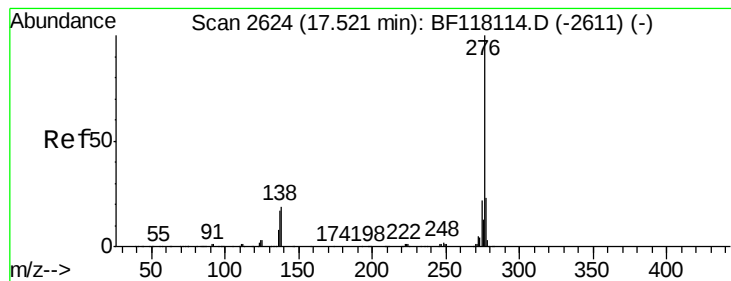
Abundance

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





#92

Benzo(a,h,i)perylene

Concen: 5.091 ng

RT: 17.52 min Scan# 2624

Delta R.T. -0.00 min

Lab File: BF118158.D

Acq: 9 Dec 2019 21:40

Instrument :

BNA_F

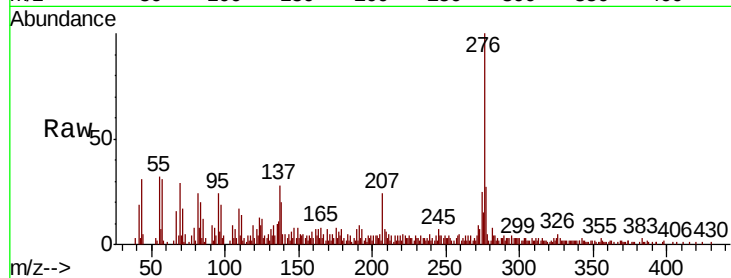
ClientSampleId :

WC-01

Tot Ion:	276	Resp:	56325
Ion Ratio		Lower	Upper
276	100		
277	26.9	18.2	27.4
138	20.3	15.5	23.3

Manual Integrations
APPROVED

mohammad
12/10/2019 11:50:28 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

