

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118408.D
 Acq On : 31 Dec 2019 16:34
 Operator : JU
 Sample : K6465-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-4-(1-3)

Manual Integrations
 APPROVED

mohammad
 1/2/2020 11:49:56 AM

Quant Time: Jan 01 01:26:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	81247	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	336989	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	180679	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	326955	20.00	ng	0.00
76) Chrysene-d12	14.05	240	220468	20.00	ng	0.00
87) Perylene-d12	15.54	264	220106	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	482920	101.46	ng	0.01
7) Phenol-d6	6.49	99	578543	97.98	ng	0.00
23) Nitrobenzene-d5	7.42	82	387090	65.70	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	215845	96.74	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	694442	58.67	ng	0.00
79) Terphenyl-d14	12.99	244	773103	58.18	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.62	163	58364	4.303	ng	99
71) Phenanthrene	11.42	178	92044	5.164	ng	98
75) Fluoranthene	12.62	202	118385	6.581	ng	98
78) Pyrene	12.84	202	104874	5.825	ng	100
81) Benzo(a)anthracene	14.04	228	46565	3.017	ng	98
83) Chrysene	14.07	228	43787	2.963	ng	99
88) Benzo(b)fluoranthene	15.11	252	46559m	3.187	ng	
90) Benzo(a)pyrene	15.48	252	33828	2.628	ng	97

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

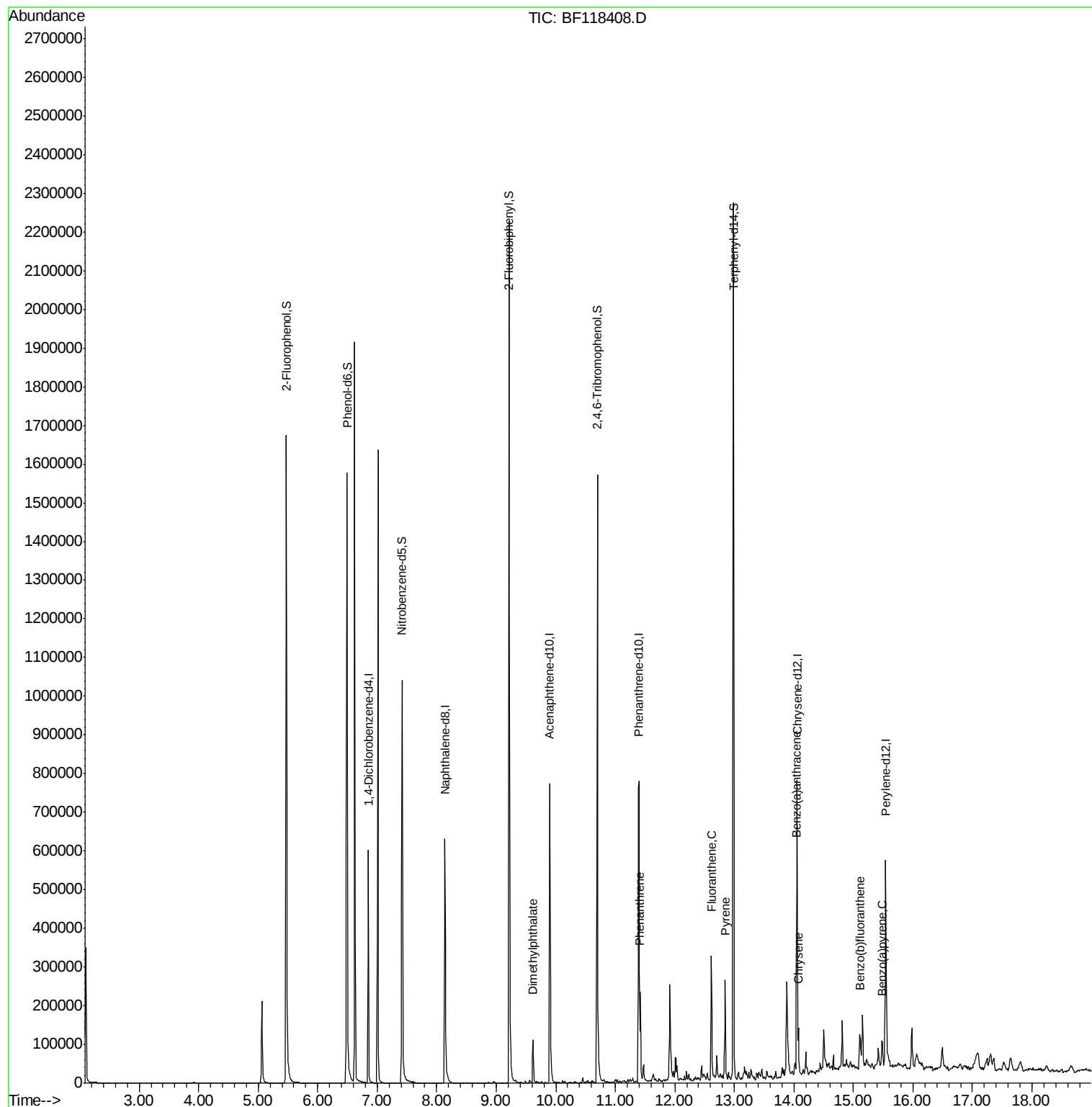
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118408.D
Acq On : 31 Dec 2019 16:34
Operator : JU
Sample : K6465-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

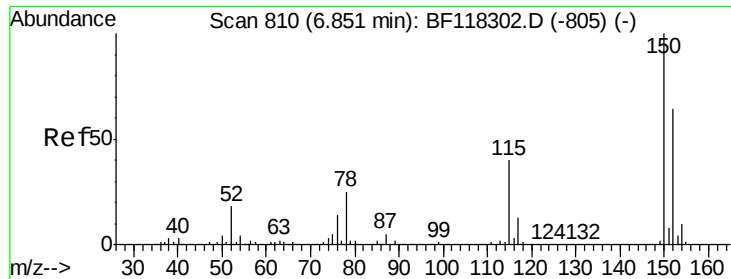
Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

Quant Time: Jan 01 01:26:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
1/2/2020 11:49:56 AM





#1

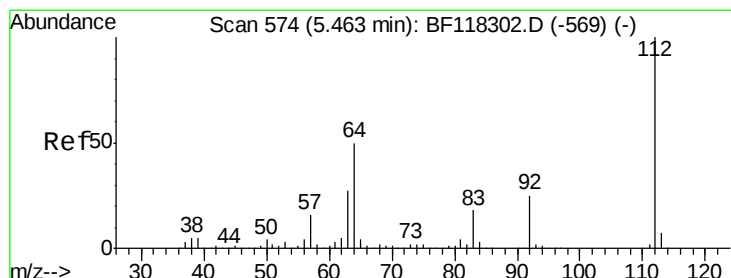
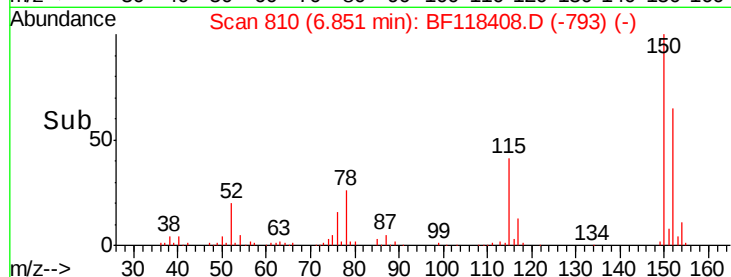
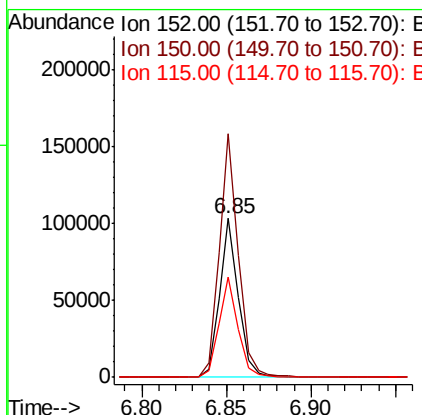
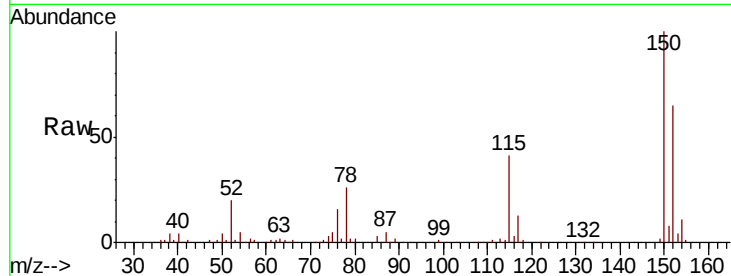
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.4	188.2
115	62.7	50.2	75.4

Manual Integrations
APPROVED

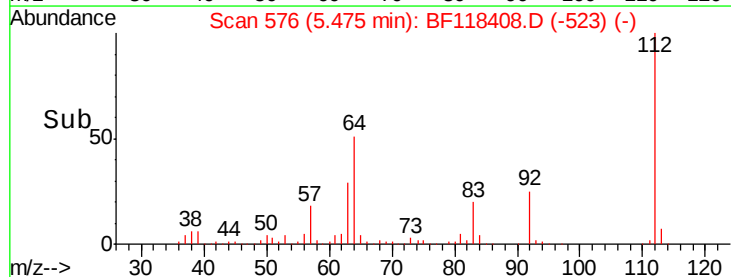
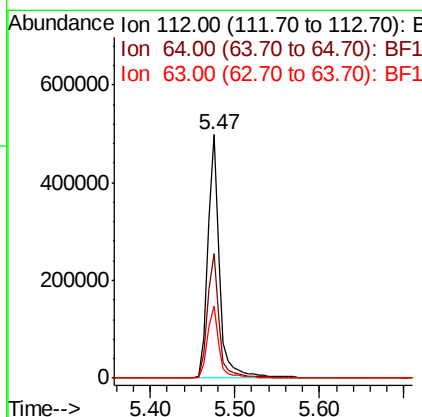
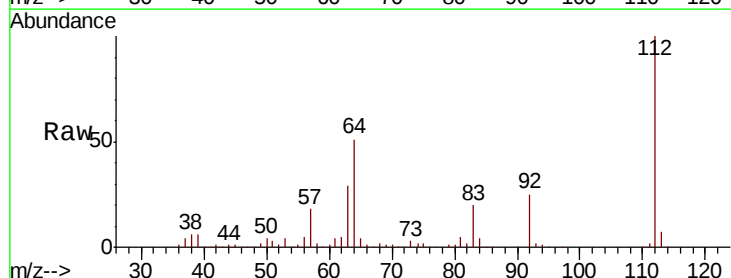
mohammad
1/2/2020 11:49:56 AM

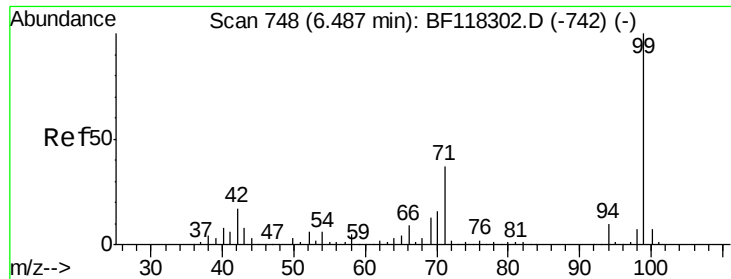


#5

2-Fluorophenol
Concen: 101.461 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	39.7	59.5
63	29.5	21.7	32.5





#7

Phenol-d6

Concen: 97.984 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

Instrument :

BNA_F

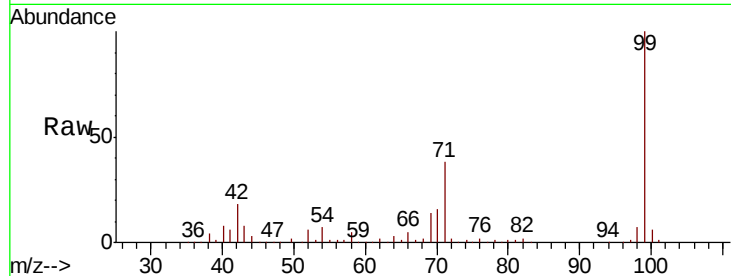
ClientSampleId :

GP-4-(1-3)

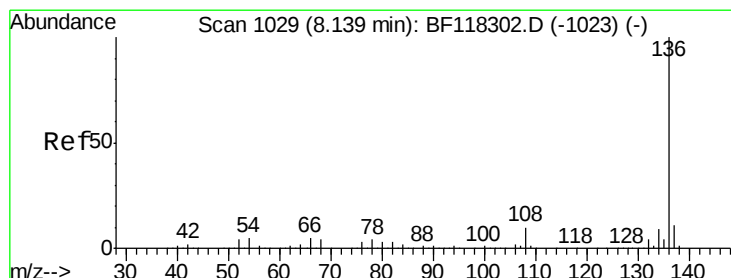
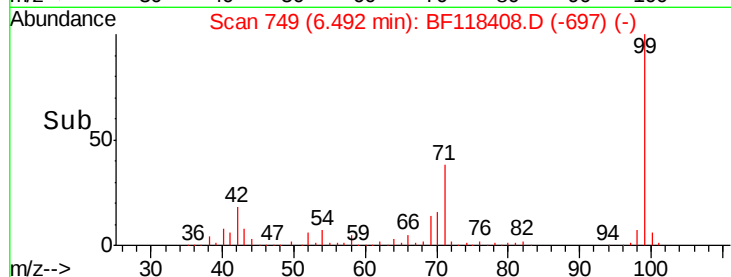
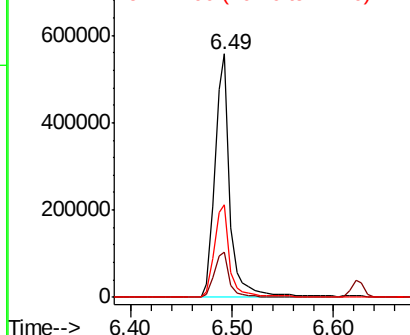
Tot Ion:	99	Resp:	578543
Ion Ratio	Lower	Upper	
99	100		
42	18.4	13.5	20.3
71	37.9	29.4	44.2

Manual Integrations
APPROVED

mohammad
1/2/2020 11:49:56 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

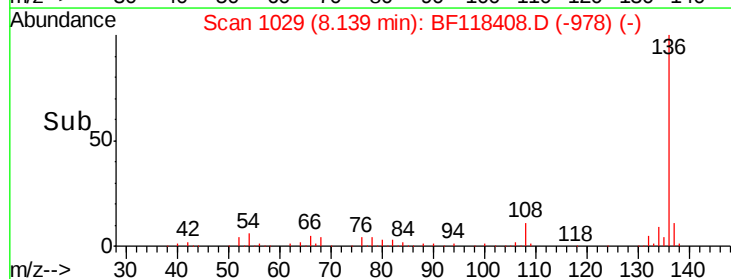
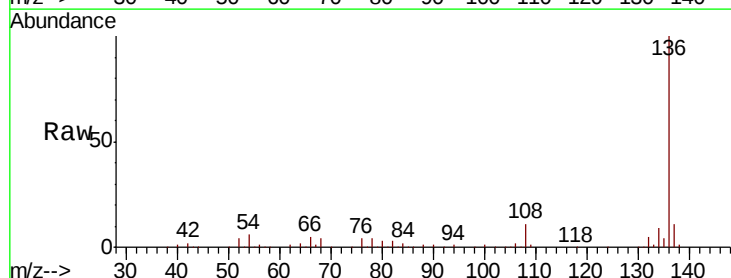
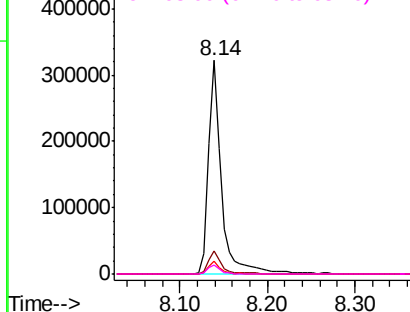
Delta R.T. 0.00 min

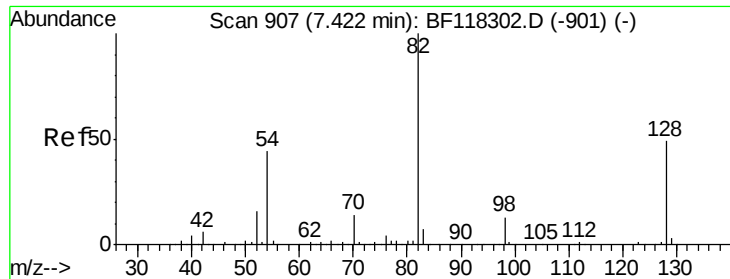
Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

Tgt Ion:	136	Resp:	336989
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	5.9	4.2	6.4
68	4.3	3.5	5.3

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





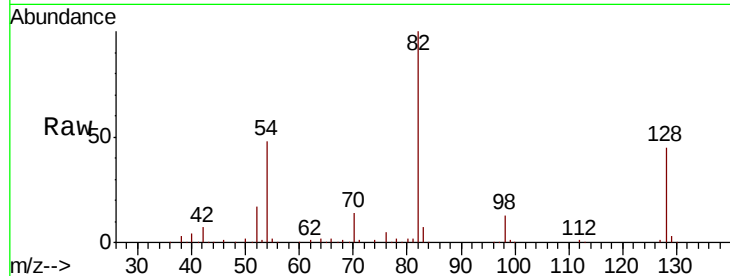
#23
 Nitrobenzene-d5
 Concen: 65.698 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Instrument :
 BNA_F
 ClientSampleId :
 GP-4-(1-3)

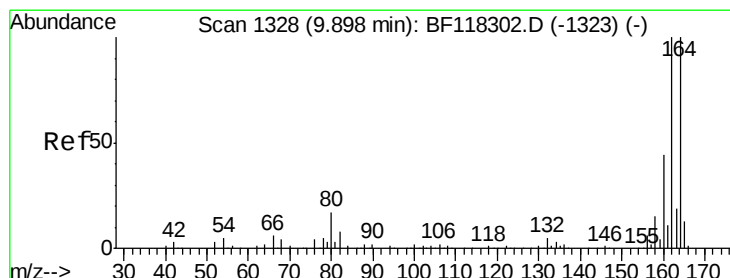
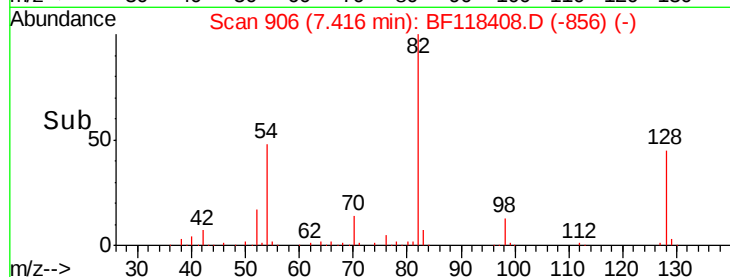
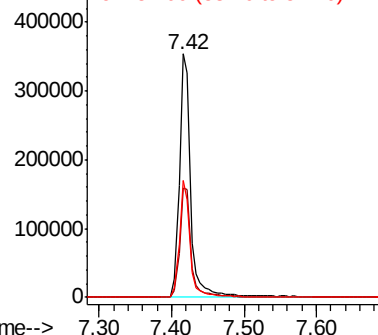
Tot Ion	82	Resp	387090
Ion Ratio	100	Lower	Upper
82	100		
128	45.1	39.6	59.4
54	48.0	34.9	52.3

Manual Integrations
 APPROVED

mohammad
 1/2/2020 11:49:56 AM

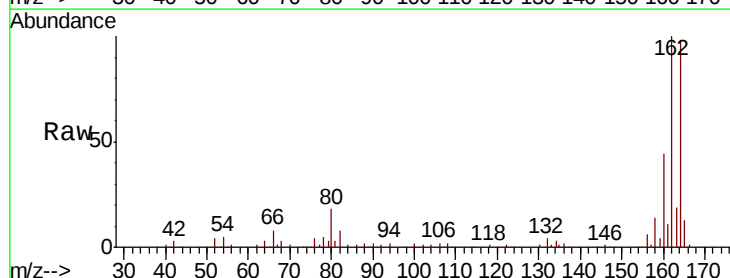


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

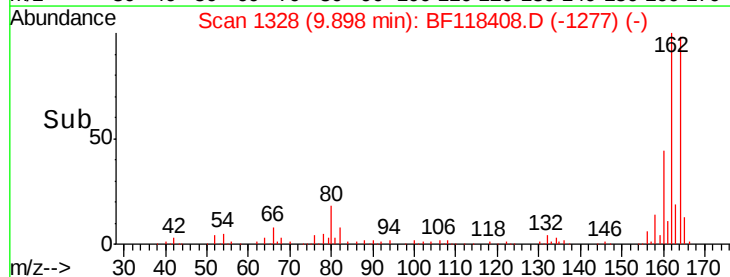
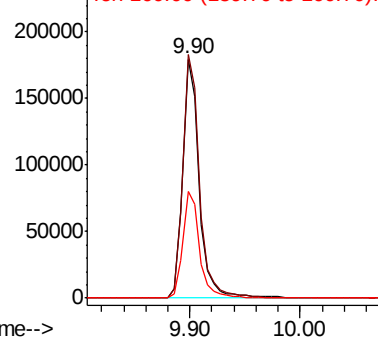


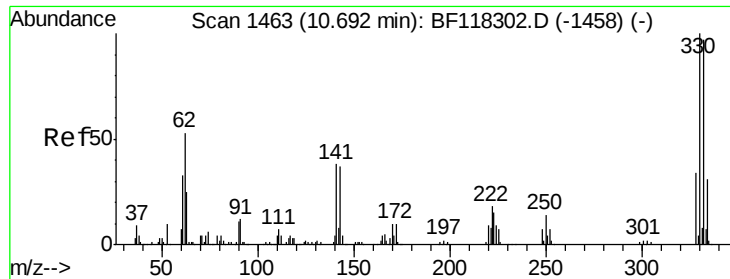
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Tgt Ion	164	Resp	180679
Ion Ratio	100	Lower	Upper
164	100		
162	101.9	80.0	120.0
160	44.8	34.8	52.2



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





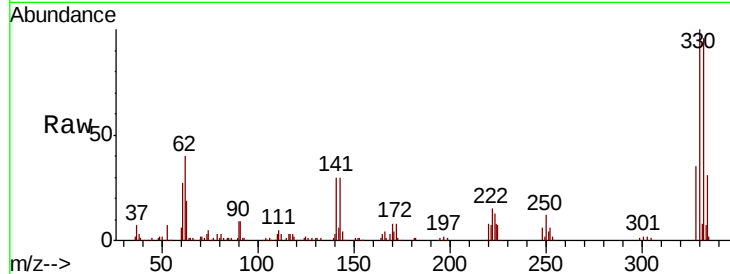
#42
 2,4,6-Tribromophenol
 Concen: 96.737 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Instrument :
 BNA_F
 ClientSampleId :
 GP-4-(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	215845		
332	97.0	76.6	114.8	
141	35.2	26.0	39.0	

Manual Integrations
 APPROVED

mohammad
 1/2/2020 11:49:56 AM

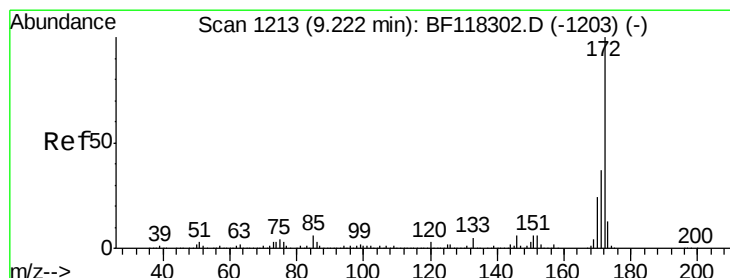
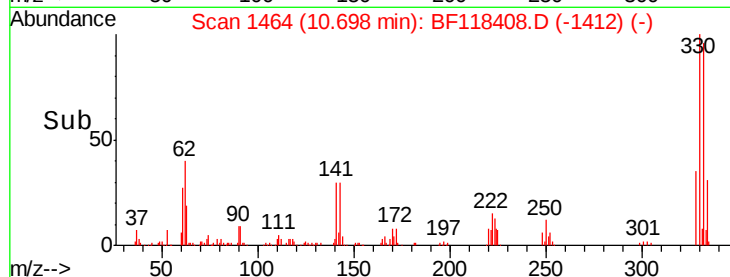
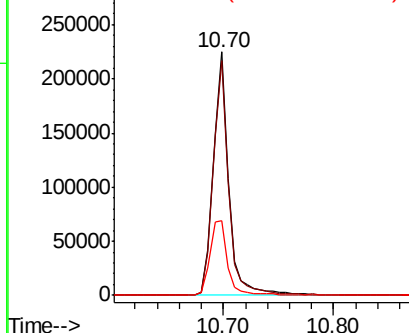


Abundance

Ion 329.80 (329.50 to 330.50): E

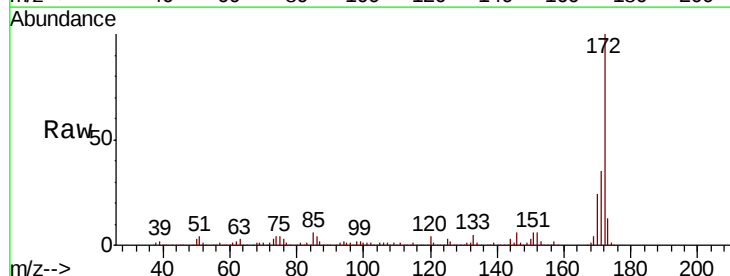
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 58.670 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	694442		
171	35.4	29.3	43.9	
170	23.7	19.2	28.8	

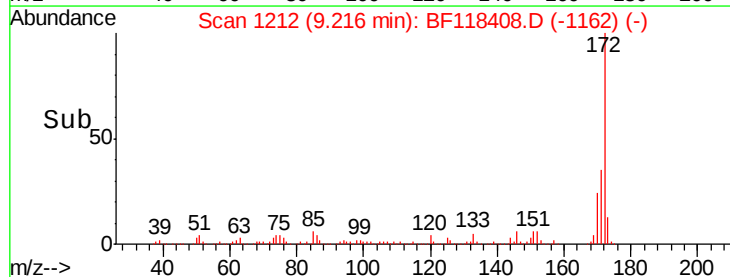
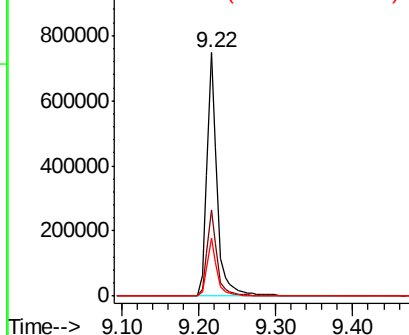


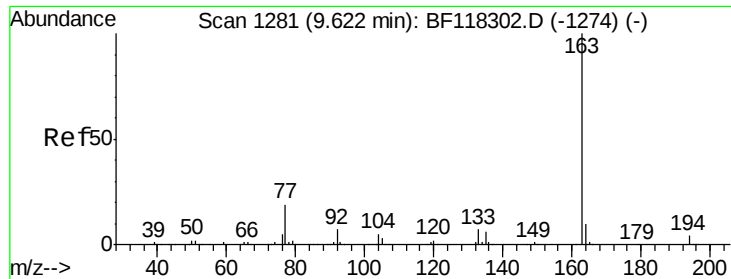
Abundance

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: 4.303 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

Instrument :

BNA_F

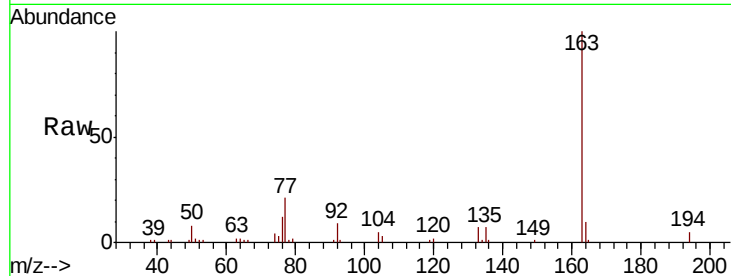
ClientSampleId :

GP-4-(1-3)

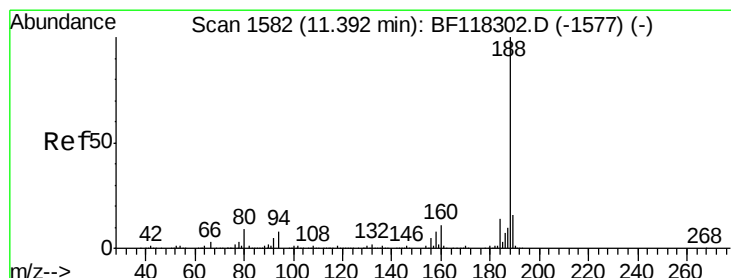
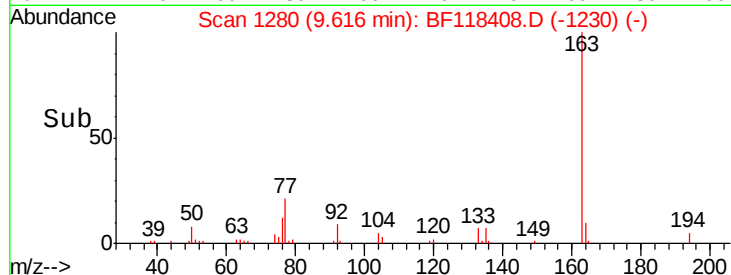
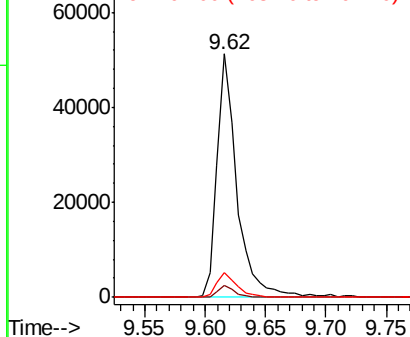
Tot Ion:	163	Resp:	58364
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.2	4.8
164	10.3	7.9	11.9

Manual Integrations
APPROVED

mohammad
1/2/2020 11:49:56 AM



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

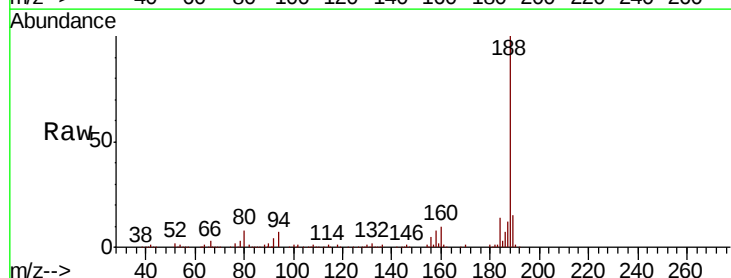
RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

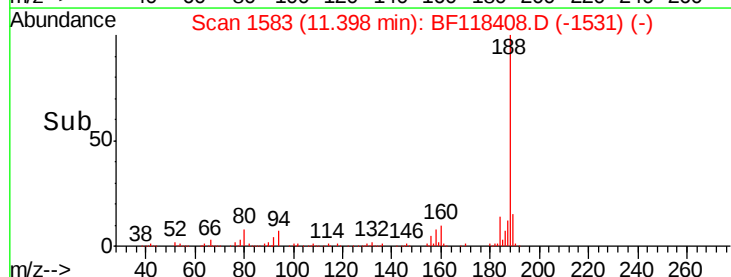
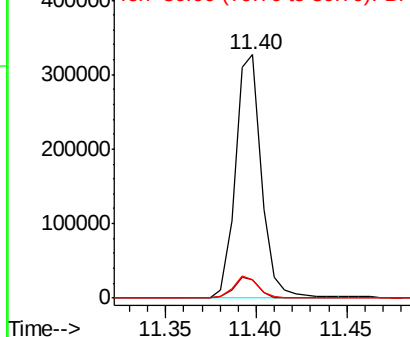
Lab File: BF118408.D

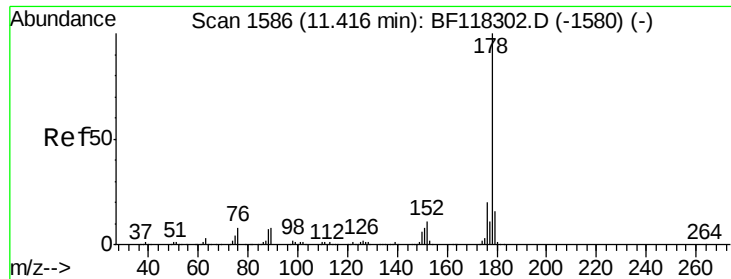
Acq: 31 Dec 2019 16:34

Tgt Ion:	188	Resp:	326955
Ion Ratio	Lower	Upper	
188	100		
94	7.4	6.7	10.1
80	7.6	7.2	10.8



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





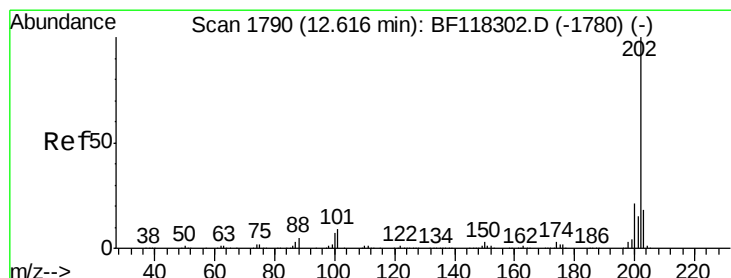
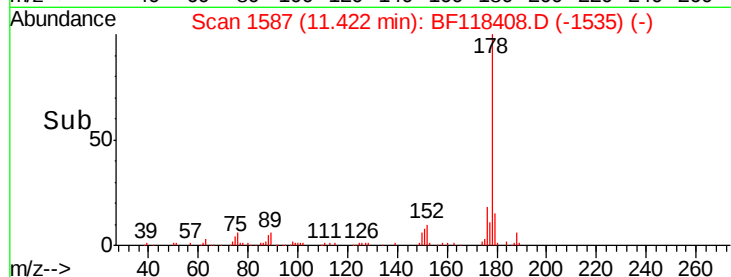
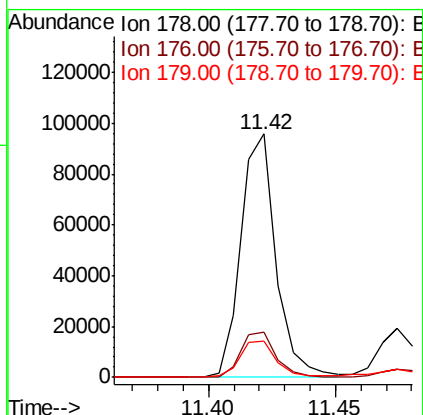
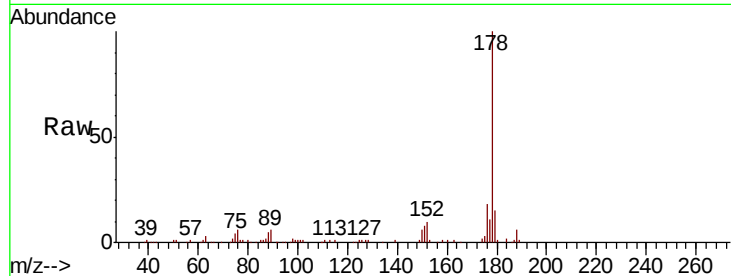
#71
Phenanthrene
Concen: 5.164 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.6	23.4
179	15.0	12.6	19.0

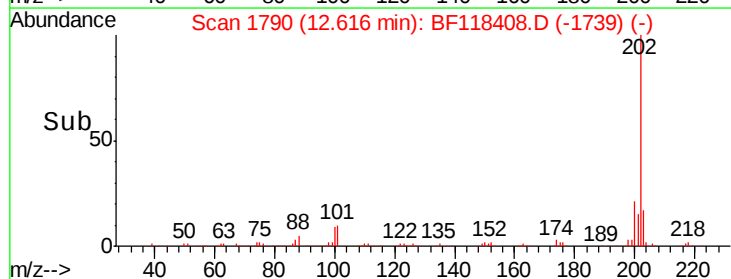
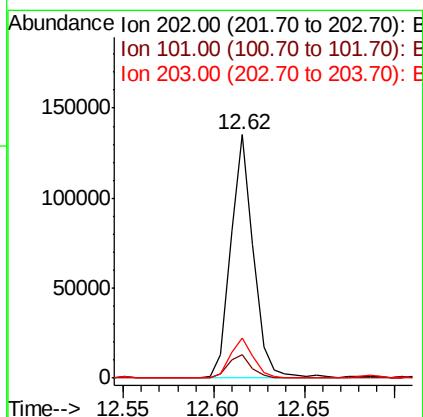
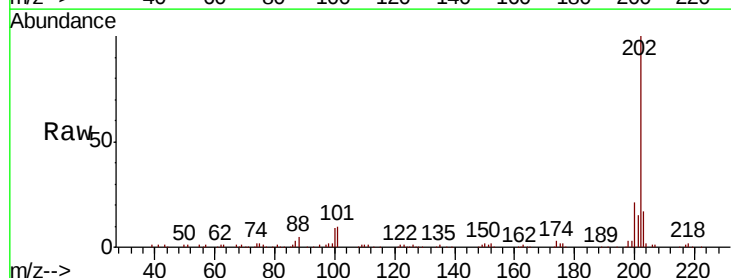
Manual Integrations
APPROVED

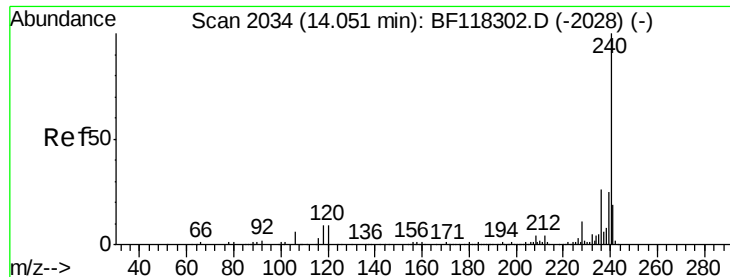
mohammad
1/2/2020 11:49:56 AM



#75
Fluoranthene
Concen: 6.581 ng
RT: 12.62 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.5
203	16.7	0.0	37.6





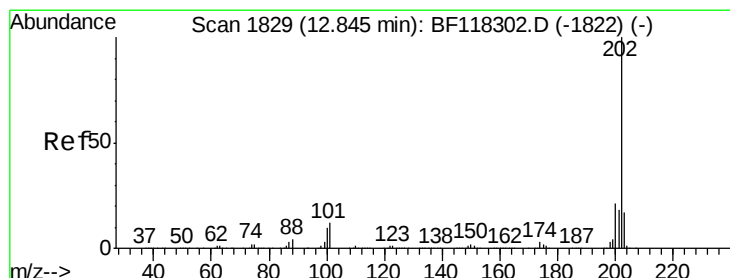
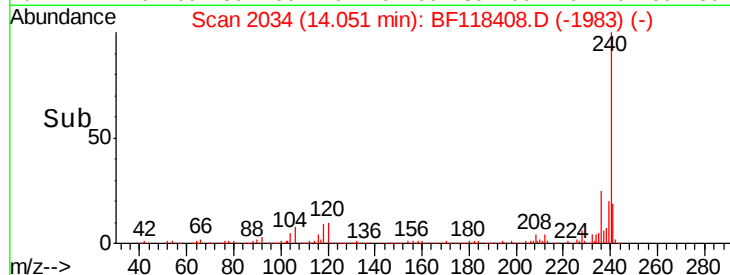
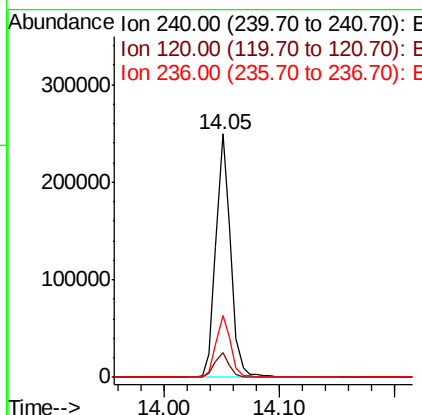
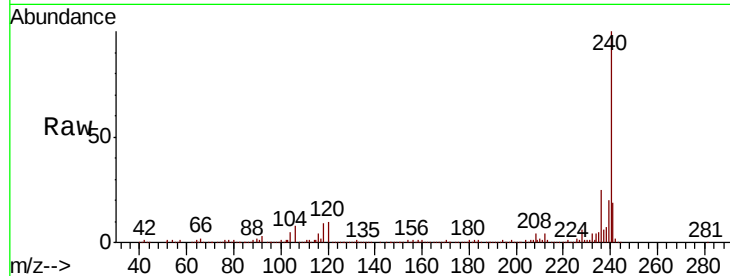
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.1	10.7
236	25.2	21.0	31.6

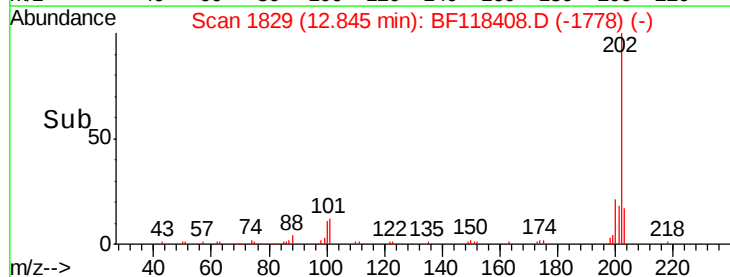
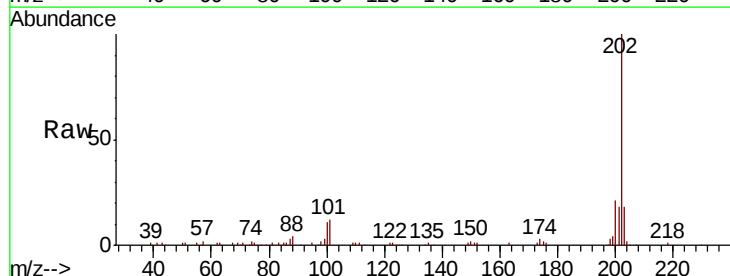
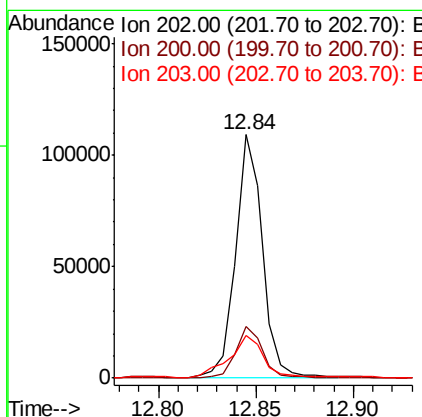
Manual Integrations
APPROVED

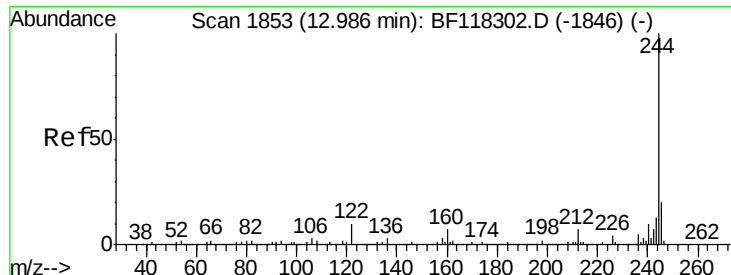
mohammad
1/2/2020 11:49:56 AM



#78
Pyrene
Concen: 5.825 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.7	13.9	20.9





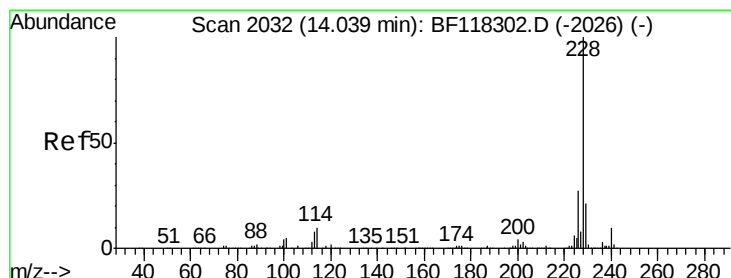
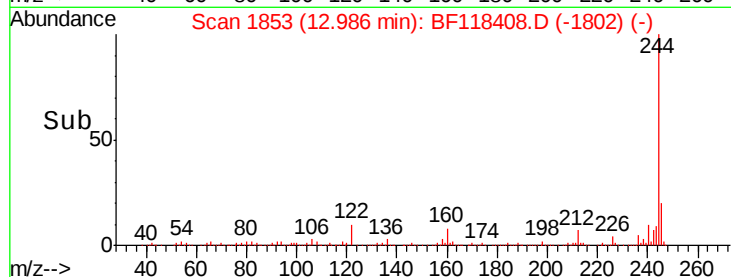
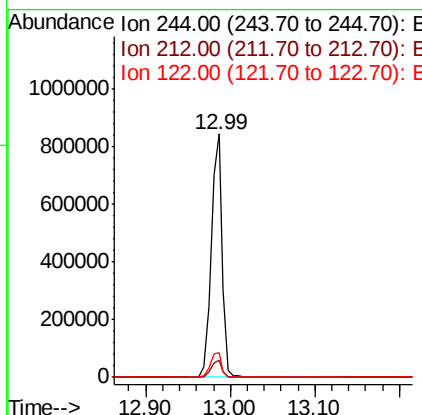
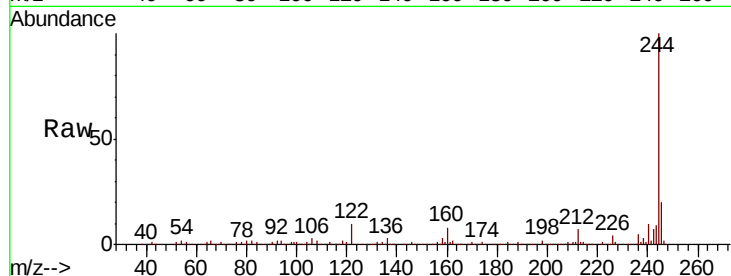
#79
 Terphenyl-d14
 Concen: 58.176 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Instrument :
 BNA_F
 ClientSampled :
 GP-4-(1-3)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	10.1	7.8	11.8

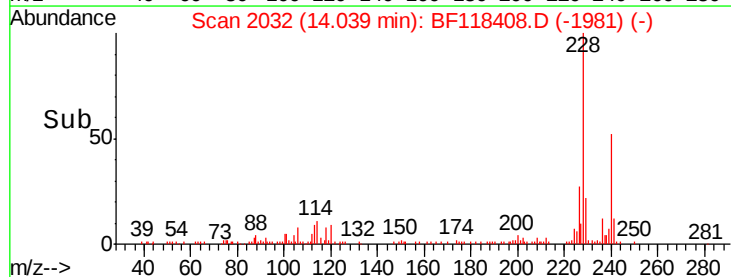
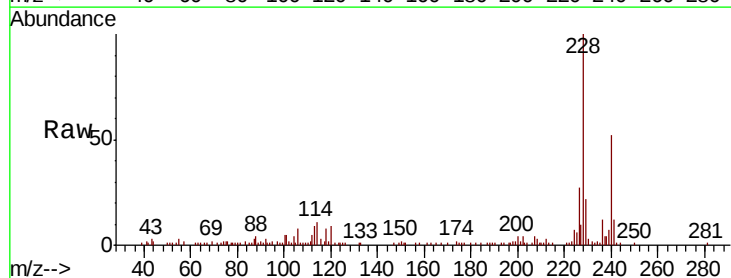
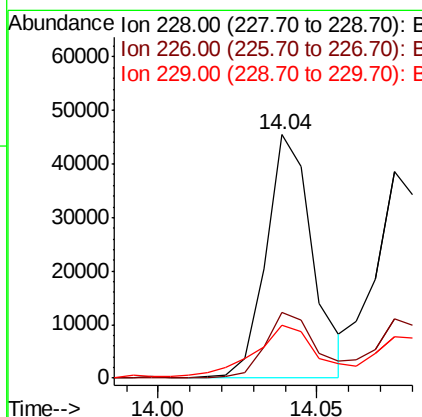
Manual Integrations
 APPROVED

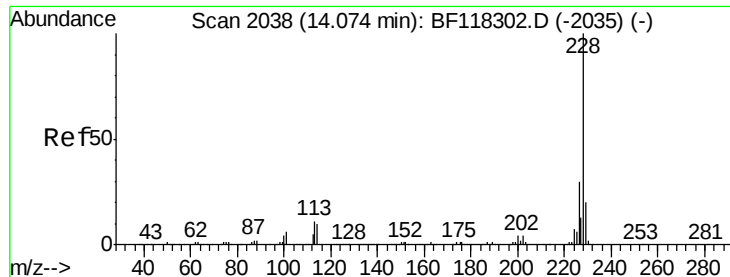
mohammad
 1/2/2020 11:49:56 AM



#81
 Benzo(a)anthracene
 Concen: 3.017 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. 0.00 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.0	33.0
229	22.0	16.6	24.8





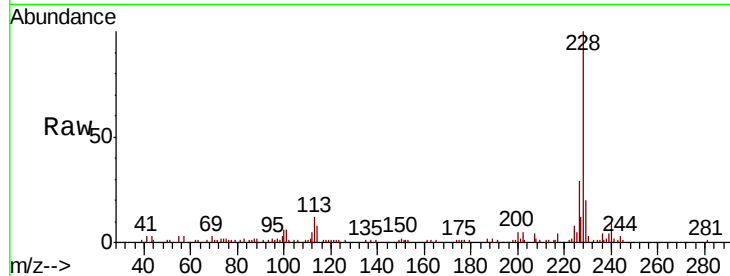
#83
Chrysene
Concen: 2.963 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.9	35.9
229	20.1	16.1	24.1

Manual Integrations
APPROVED

mohammad
1/2/2020 11:49:56 AM

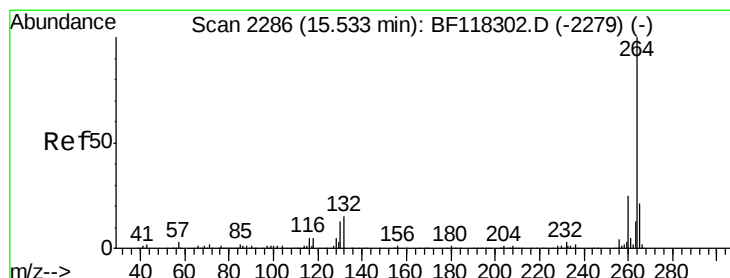
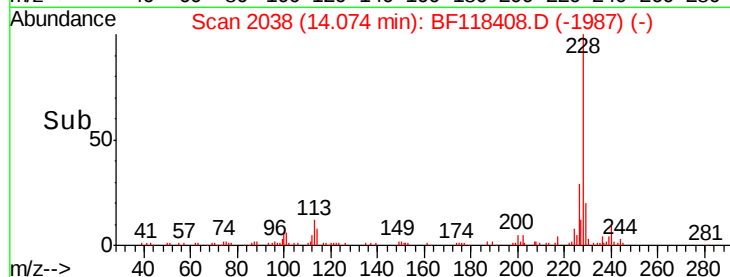
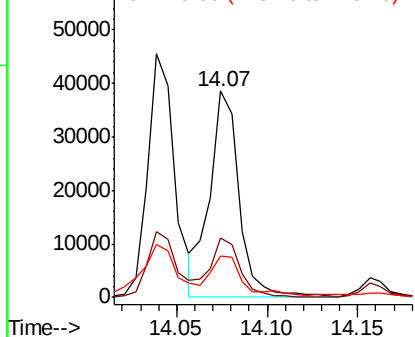


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

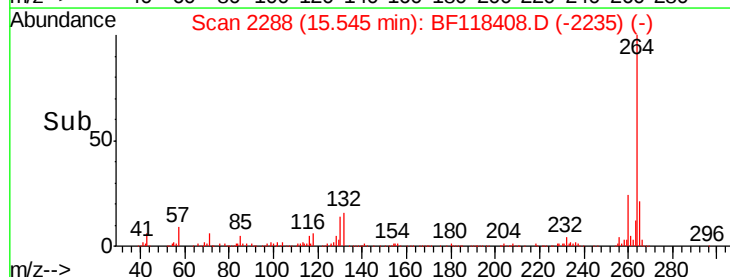
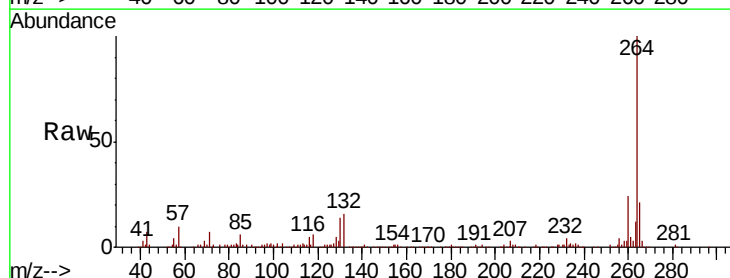
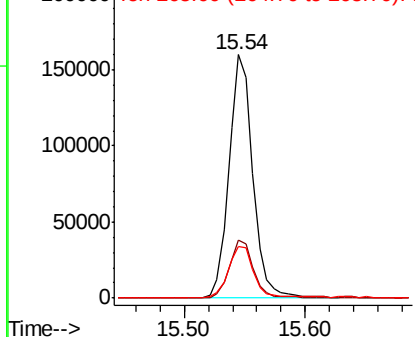
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.6
265	21.1	17.0	25.4

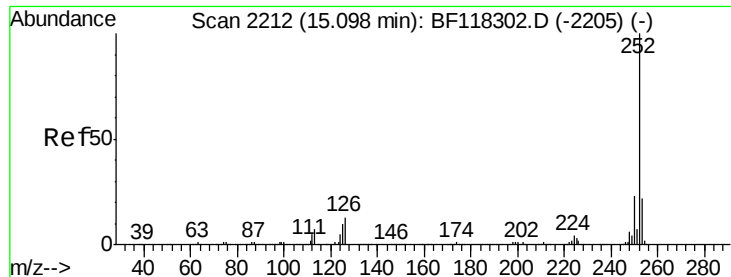
Abundance

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





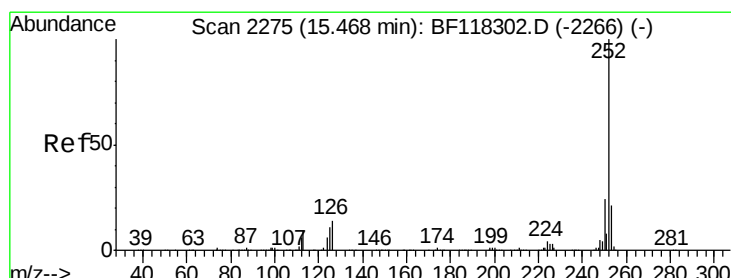
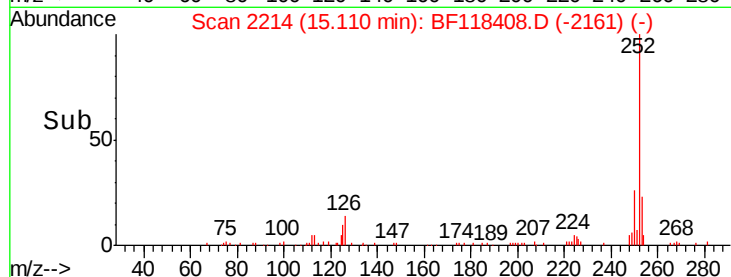
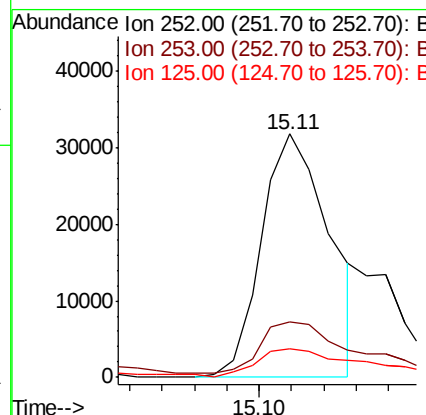
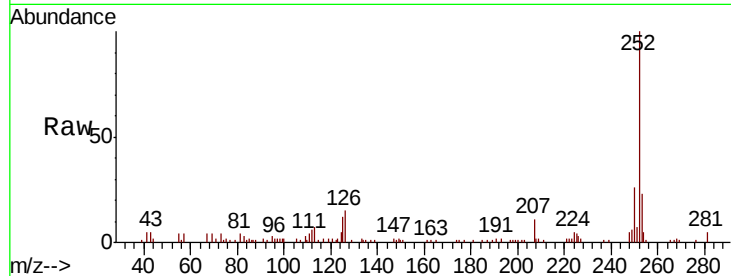
#88
Benzo(b)fluoranthene
Concen: 3.187 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.5	7.7	11.5

Manual Integrations
APPROVED

mohammad
1/2/2020 11:49:56 AM



#90
Benzo(a)pyrene
Concen: 2.628 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	12.6	9.0	13.4

