

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
 Data File : BF118687.D
 Acq On : 24 Jan 2020 15:56
 Operator : CG/JU
 Sample : L1234-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NS-TP

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:15 AM

Quant Time: Jan 27 01:32:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	262123	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	985580	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	546236	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	1006492	20.00	ng	-0.03
76) Chrysene-d12	14.01	240	646274	20.00	ng	-0.04
87) Perylene-d12	15.47	264	658996	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1215344	86.11	ng	-0.02
7) Phenol-d6	6.49	99	1484710	80.94	ng	-0.02
23) Nitrobenzene-d5	7.42	82	935378	53.08	ng	-0.03
42) 2,4,6-Tribromophenol	10.68	330	514107	81.37	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	1728219	52.00	ng	-0.03
79) Terphenyl-d14	12.96	244	1857613	62.69	ng	-0.03
Target Compounds						
10) Phenol	6.50	94	46278	2.214	ng	92
50) Dimethylphthalate	9.61	163	412092	11.579	ng	96
71) Phenanthrene	11.40	178	225066	4.635	ng	# 90
75) Fluoranthene	12.59	202	318044	6.210	ng	94
78) Pyrene	12.82	202	327291	7.459	ng	# 91
81) Benzo(a)anthracene	14.00	228	151995	3.910	ng	97
83) Chrysene	14.04	228	163861	4.398	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	101187	3.125	ng	97
88) Benzo(b)fluoranthene	15.04	252	170793m	4.123	ng	
90) Benzo(a)pyrene	15.41	252	133617	3.739	ng	99
92) Benzo(g,h,i)perylene	17.37	276	107965	3.518	ng	99

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

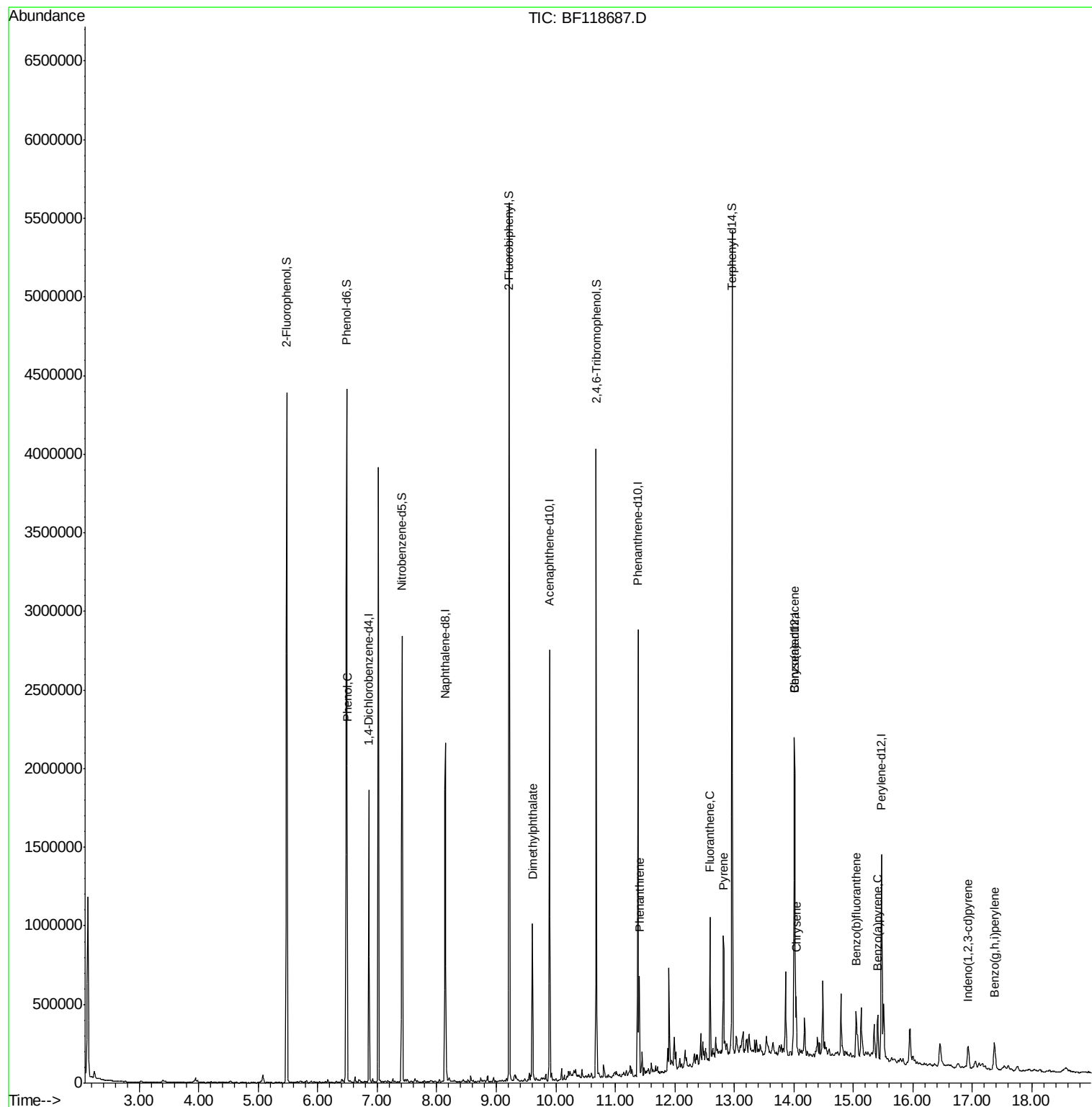
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118687.D
Acq On : 24 Jan 2020 15:56
Operator : CG/JU
Sample : L1234-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

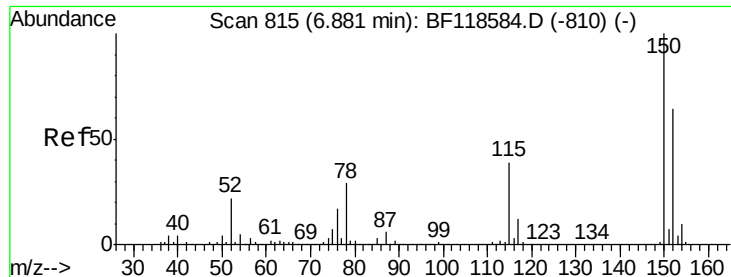
Instrument :
BNA_F
ClientSampleId :
NS-TP

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:15 AM

Quant Time: Jan 27 01:32:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration





#1

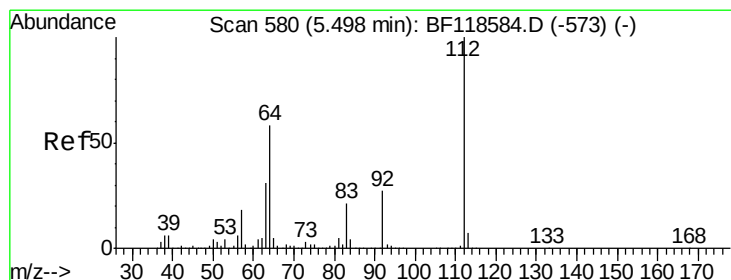
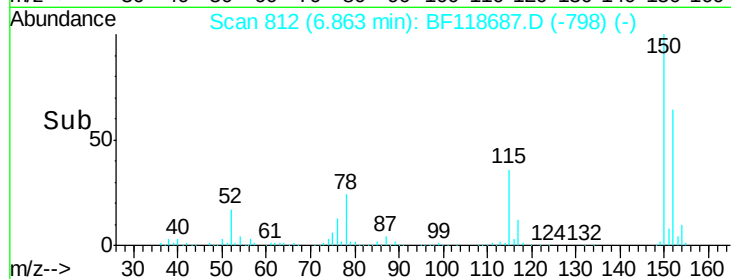
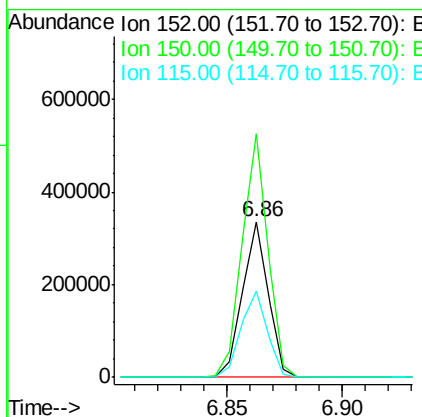
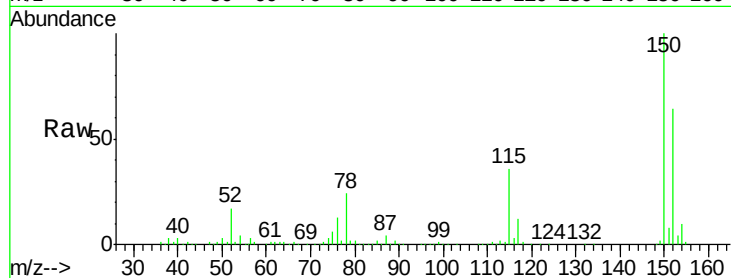
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Instrument :
BNA_F
ClientSampleId :
NS-TP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.6	188.4
115	55.7	48.4	72.6

Manual Integrations
APPROVED

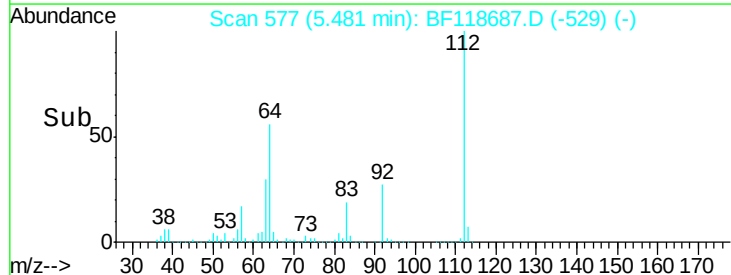
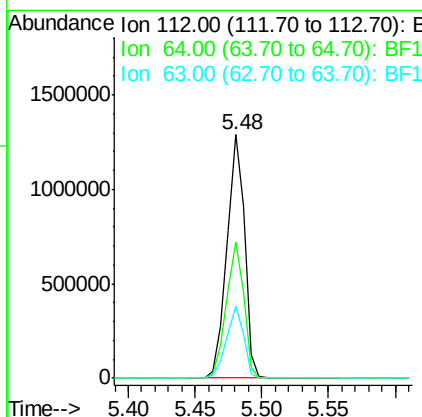
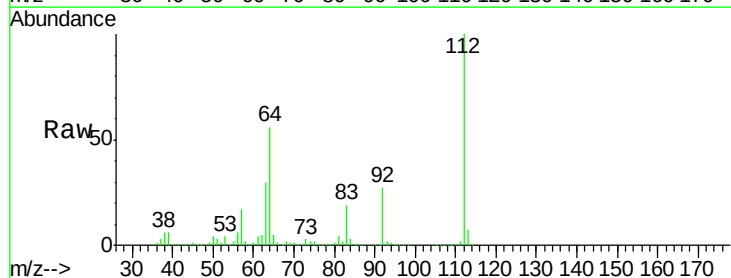
mohammad
1/28/2020 8:12:15 AM

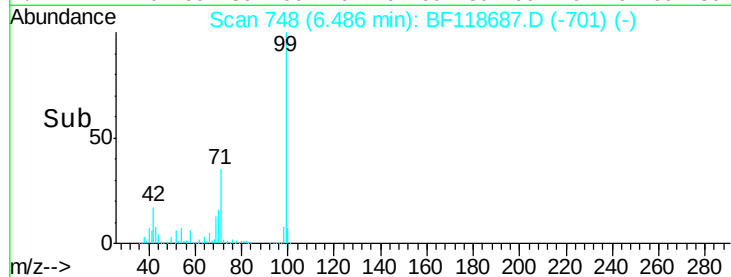
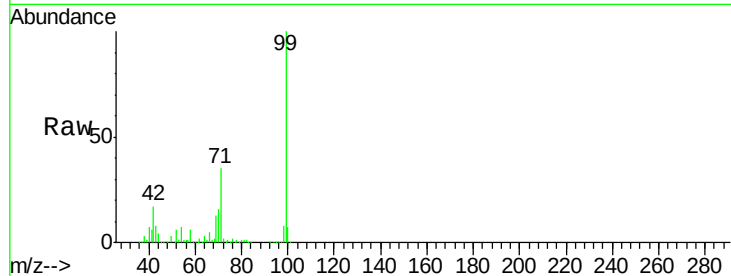
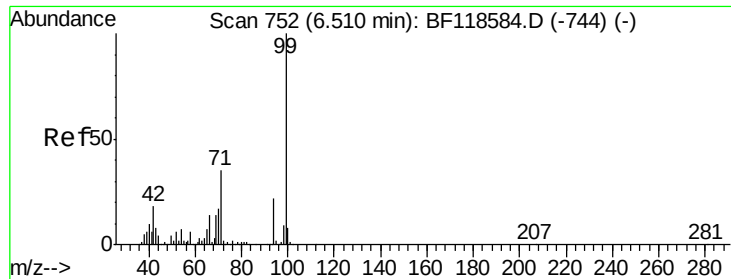


#5

2-Fluorophenol
Concen: 86.112 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.6	70.0
63	29.5	25.1	37.7





#7

Phenol-d6

Concen: 80.938 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF118687.D

Acq: 24 Jan 2020 15:56

Tot Ion:	99	Resp:	1484710
Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.2	21.2
71	35.4	27.8	41.6

Instrument :

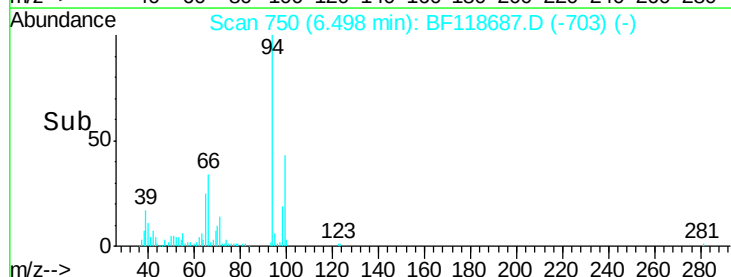
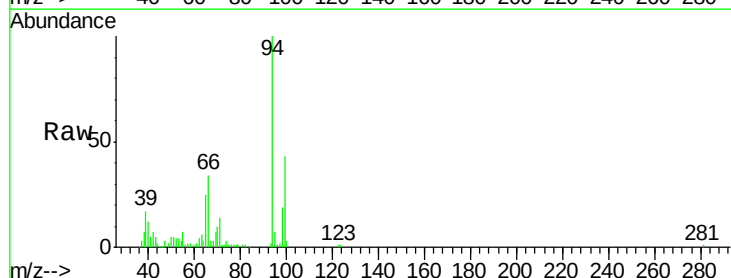
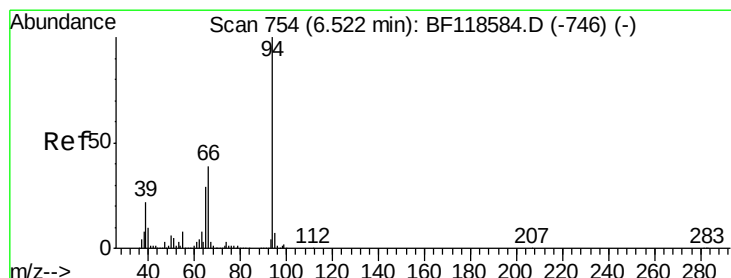
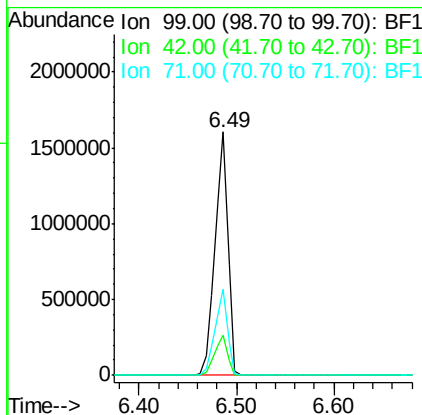
BNA_F

ClientSampleId :

NS-TP

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:15 AM



#10

Phenol

Concen: 2.214 ng

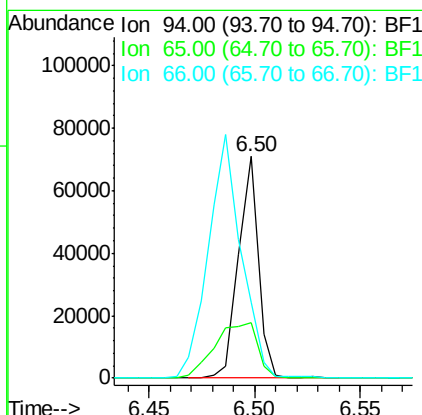
RT: 6.50 min Scan# 750

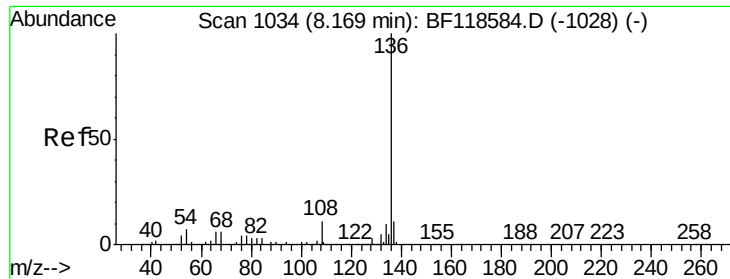
Delta R.T. -0.02 min

Lab File: BF118687.D

Acq: 24 Jan 2020 15:56

Tgt Ion:	94	Resp:	46278
Ion	Ratio	Lower	Upper
94	100		
65	24.9	9.5	49.5
66	34.0	18.5	58.5





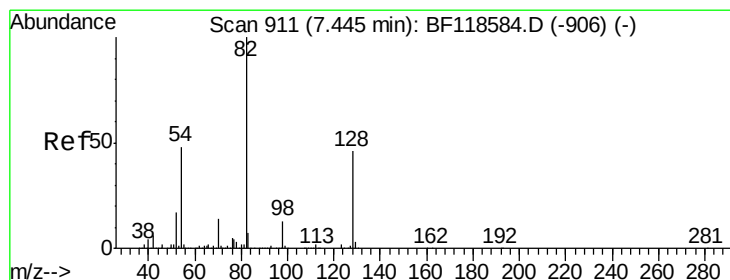
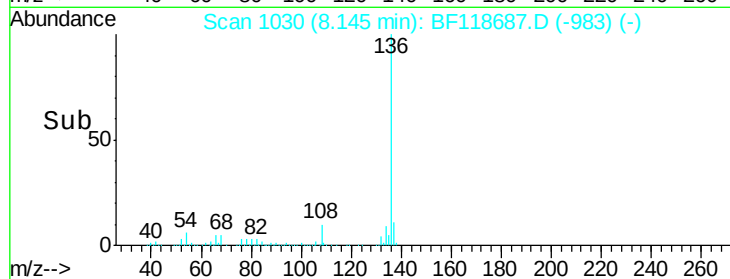
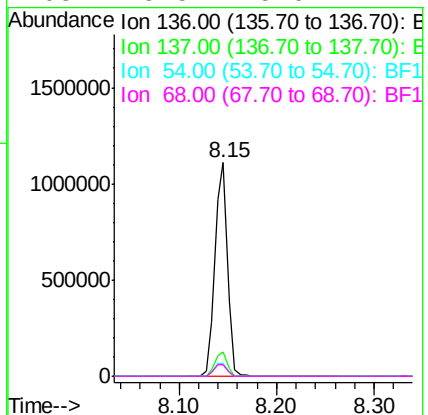
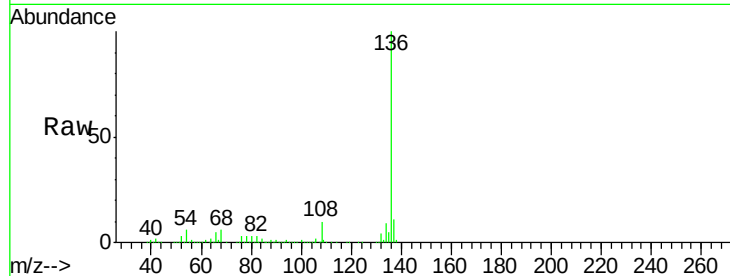
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Instrument :
BNA_F
ClientSampleId :
NS-TP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	985580		
137	11.2		9.1	13.7
54	6.2		5.8	8.6
68	5.5		5.0	7.4

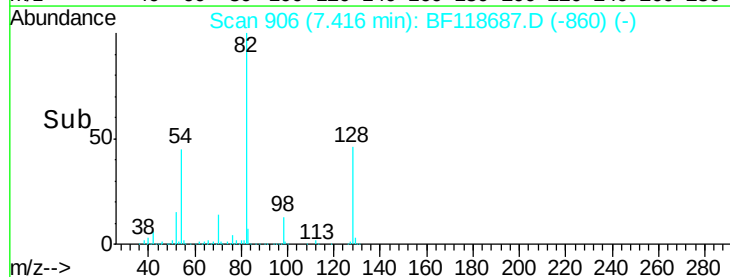
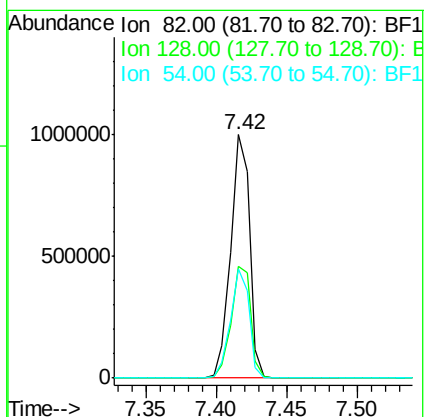
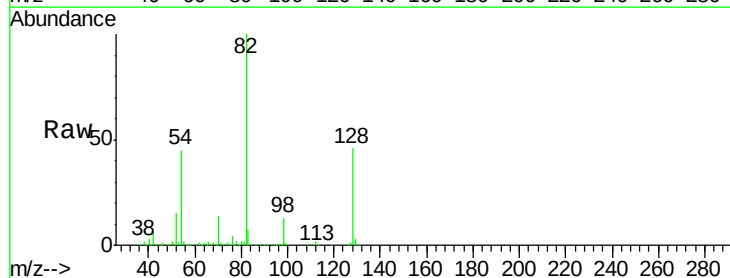
Manual Integrations
APPROVED

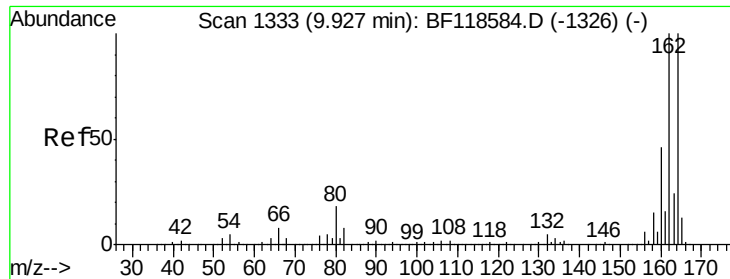
mohammad
1/28/2020 8:12:15 AM



#23
Nitrobenzene-d5
Concen: 53.085 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.03 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	935378		
128	45.7		36.6	54.8
54	45.1		38.0	57.0





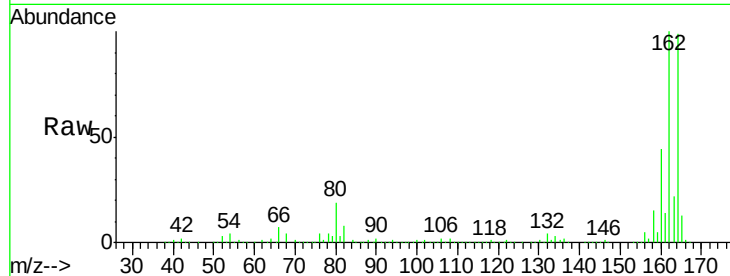
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Instrument :
BNA_F
ClientSampleId :
NS-TP

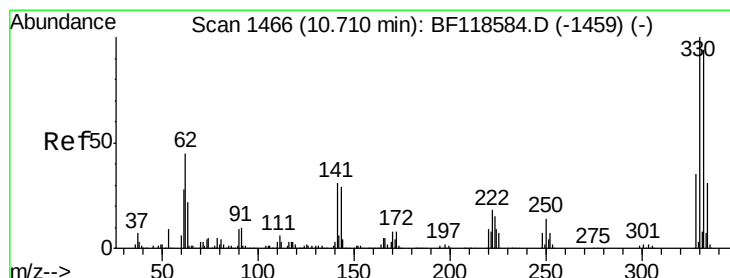
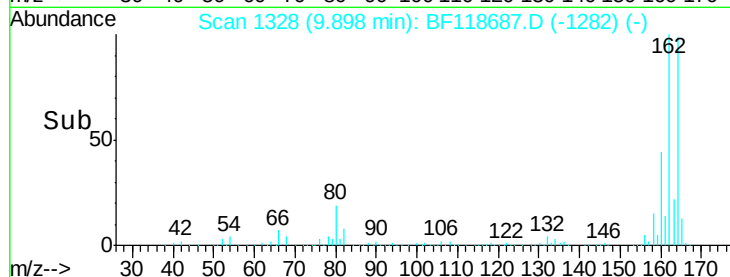
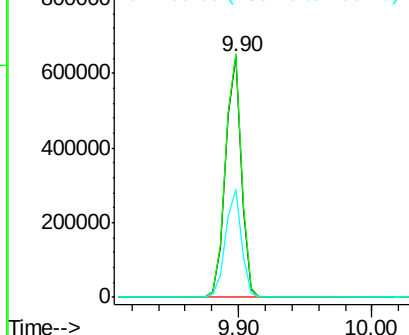
Tot Ion	Ratio	Resp	Lower	Upper
164	100	546236		
162	101.1		80.4	120.6
160	44.6		36.6	55.0

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:15 AM

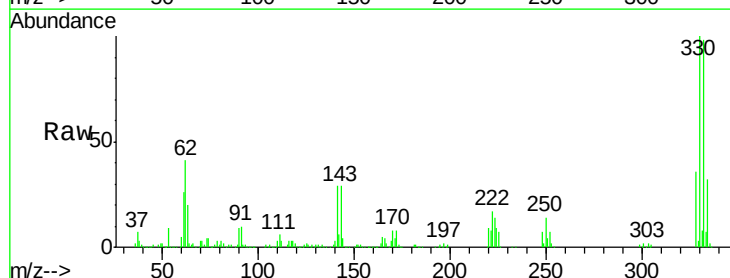


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

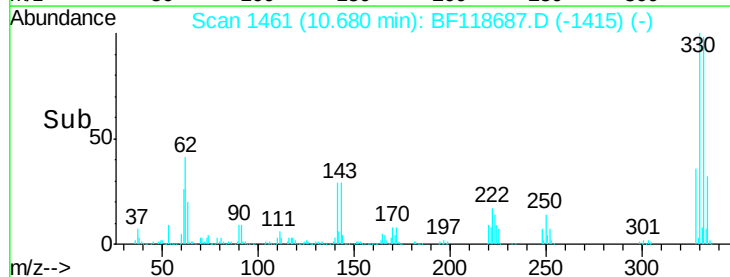
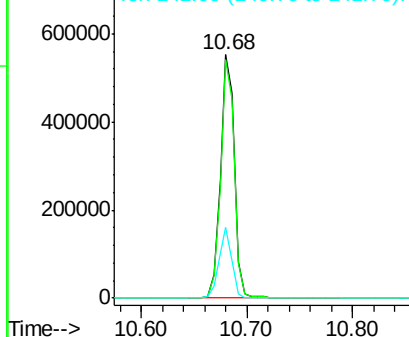


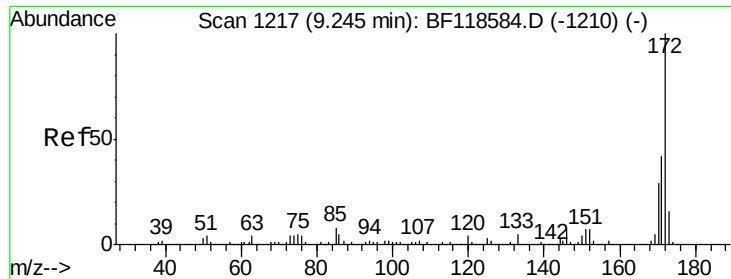
#42
2,4,6-Tribromophenol
Concen: 81.373 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.03 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	514107		
332	97.0		76.2	114.4
141	27.2		23.9	35.9



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





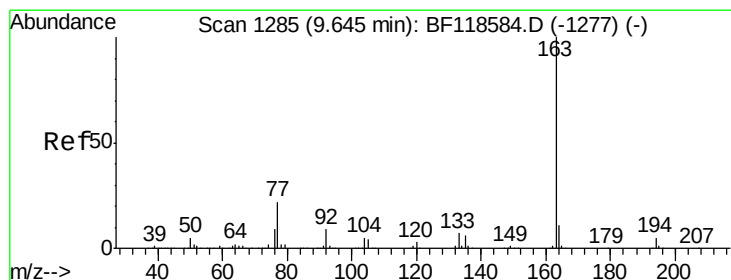
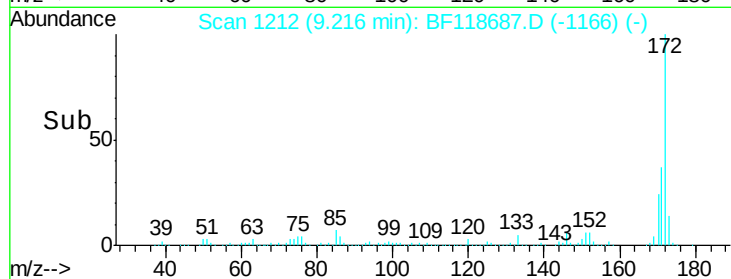
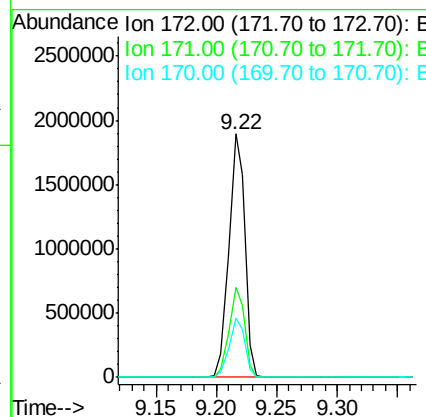
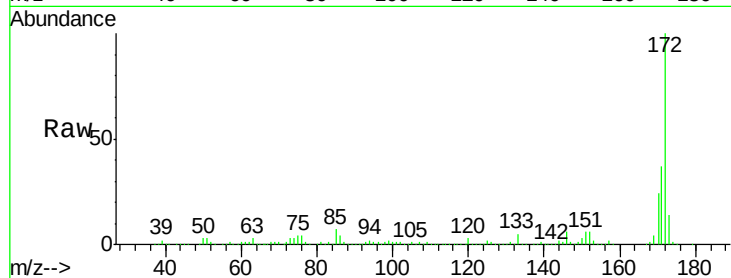
#45
2-Fluorobiphenyl
Concen: 52.002 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.03 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Instrument :
BNA_F
ClientSampled :
NS-TP

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	37.1	33.4	50.2	
170	24.4	23.2	34.8	

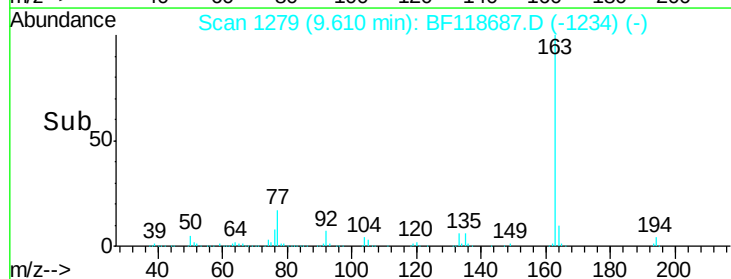
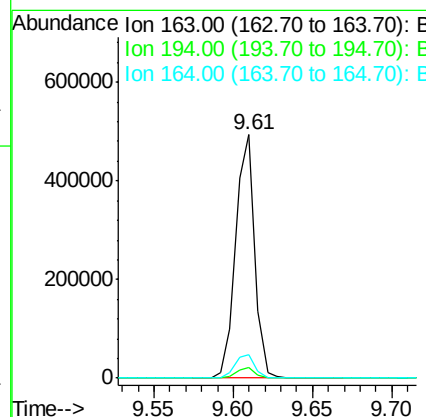
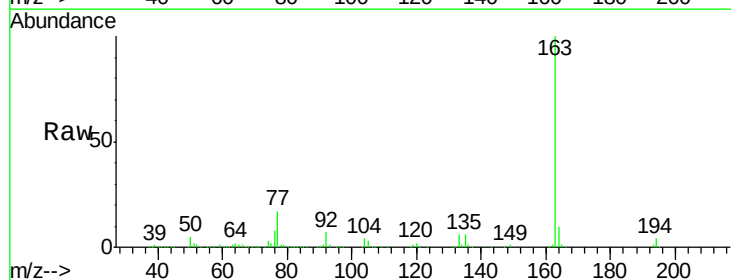
Manual Integrations
APPROVED

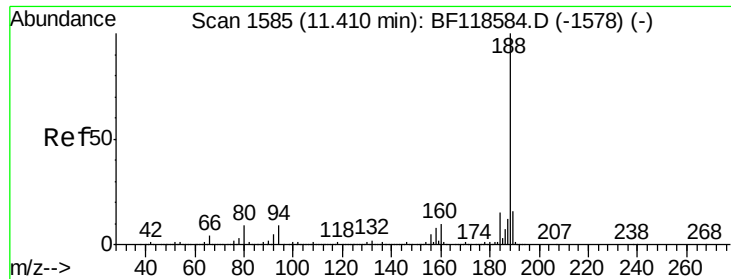
mohammad
1/28/2020 8:12:15 AM



#50
Dimethylphthalate
Concen: 11.579 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.04 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.4	3.9	5.9	
164	9.6	9.1	13.7	





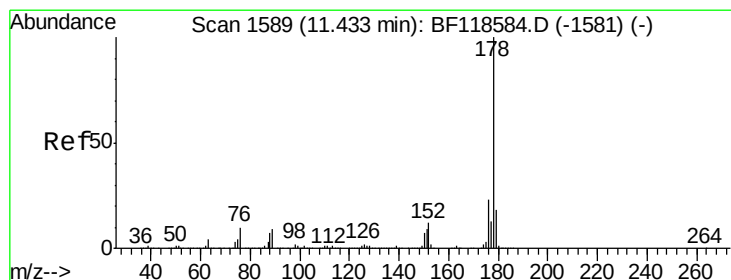
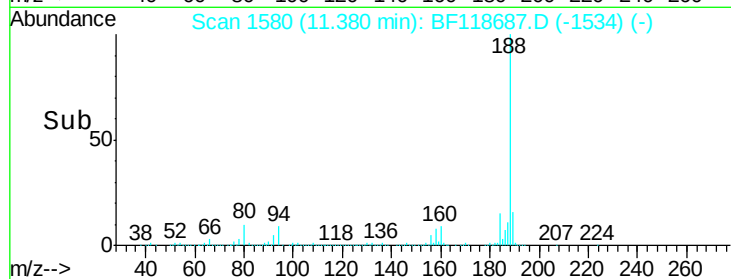
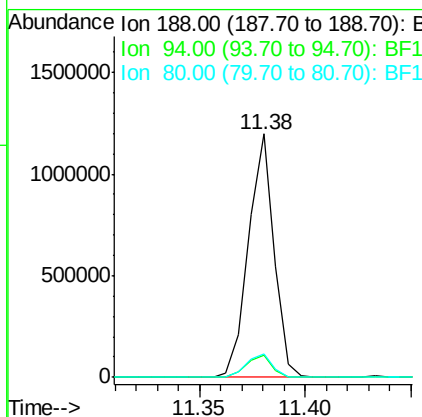
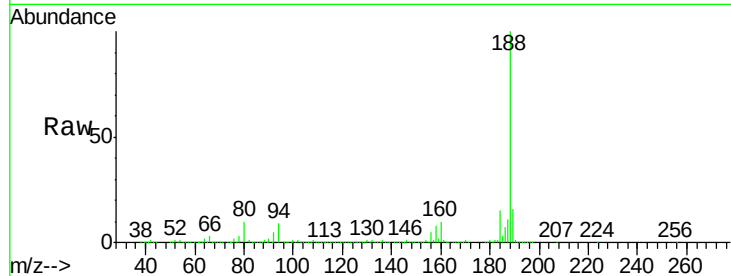
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.03 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Instrument :
BNA_F
ClientSampleId :
NS-TP

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.1	10.7
80	9.6	7.5	11.3

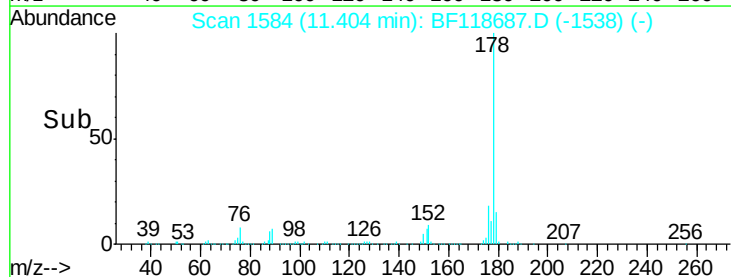
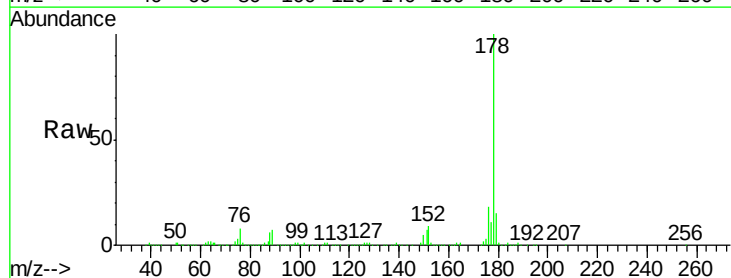
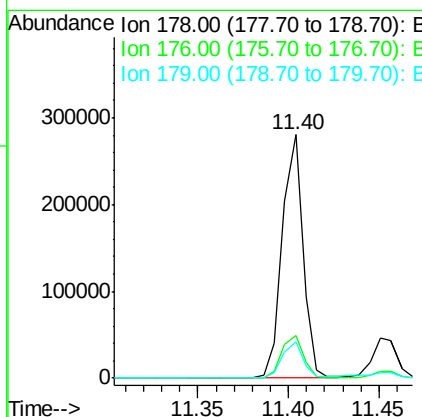
Manual Integrations
APPROVED

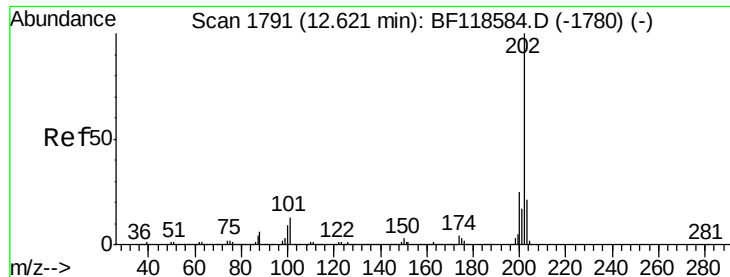
mohammad
1/28/2020 8:12:15 AM



#71
Phenanthrene
Concen: 4.635 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.03 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	18.6	27.8#
179	14.9	14.7	22.1





#75

Fluoranthene

Concen: 6.210 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.03 min

Lab File: BF118687.D

Acq: 24 Jan 2020 15:56

Instrument :

BNA_F

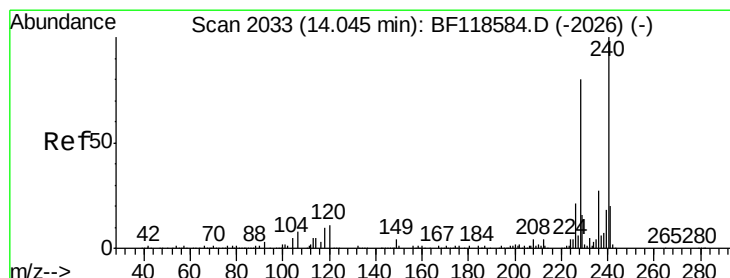
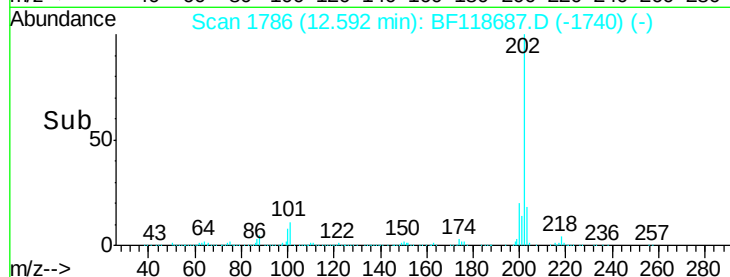
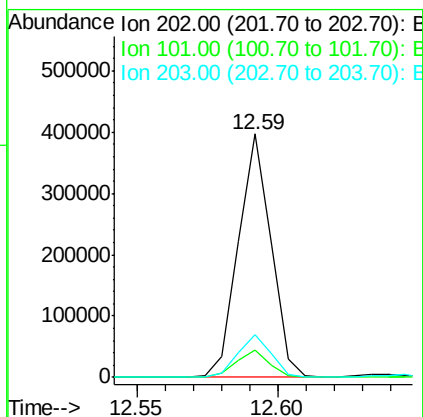
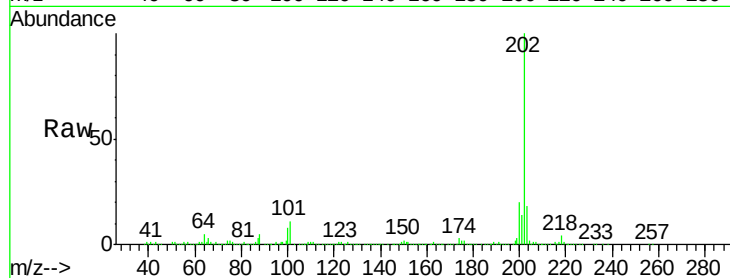
ClientSampled :

NS-TP

Tot Ion:	202	Resp:	318044
Ion Ratio		Lower	Upper
202	100		
101	11.0	0.0	32.5
203	17.7	0.8	40.8

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:15 AM



#76

Chrysene-d12

Concen: 20.000 ng

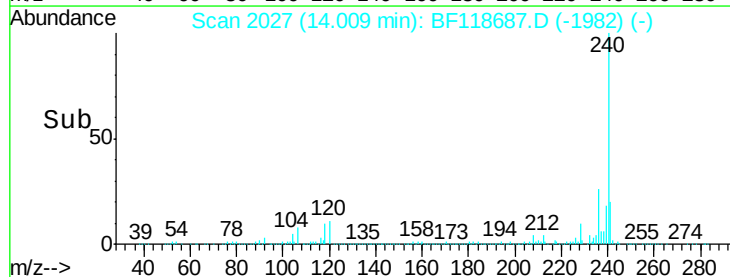
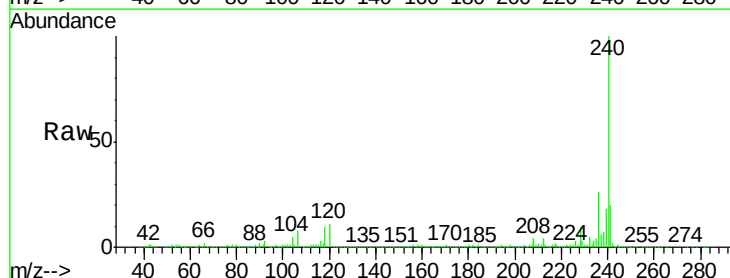
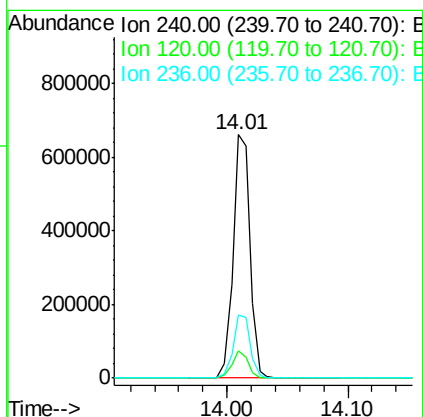
RT: 14.01 min Scan# 2027

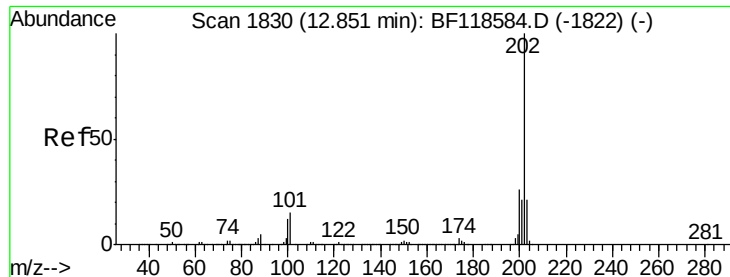
Delta R.T. -0.04 min

Lab File: BF118687.D

Acq: 24 Jan 2020 15:56

Tgt Ion:	240	Resp:	646274
Ion Ratio		Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.9	21.5	32.3





#78

Pvrene

Concen: 7.459 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.04 min

Lab File: BF118687.D

Acq: 24 Jan 2020 15:56

Instrument :

BNA_F

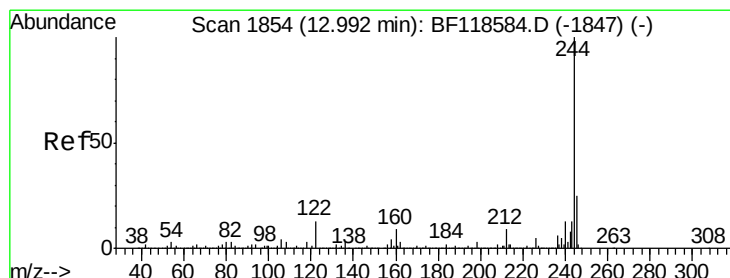
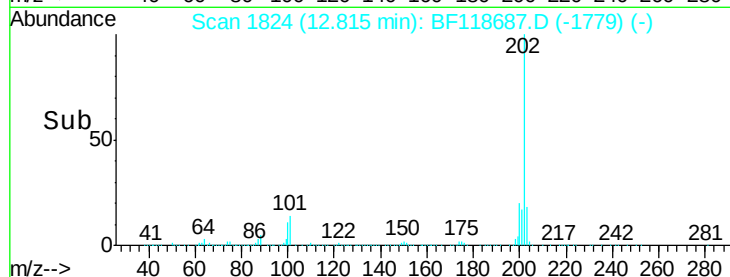
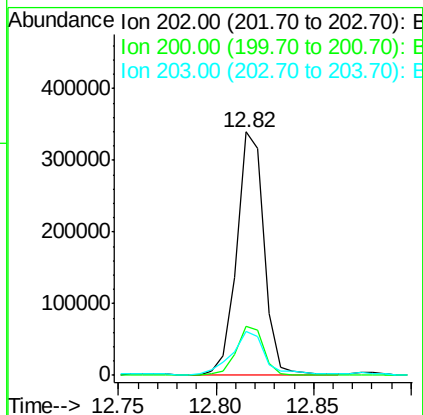
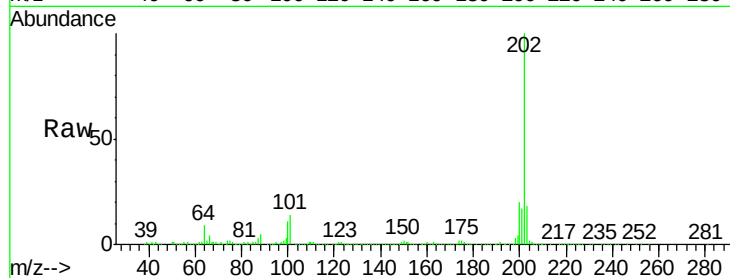
ClientSampleId :

NS-TP

Tot Ion:	202	Resp:	327291
Ion Ratio		Lower	Upper
202	100		
200	20.2	20.6	31.0#
203	18.1	16.8	25.2

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:15 AM



#79

Terphenyl-d14

Concen: 62.692 ng

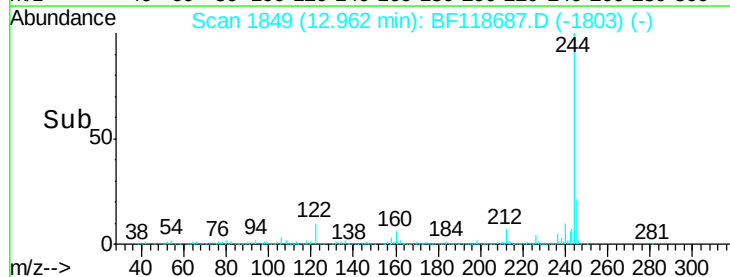
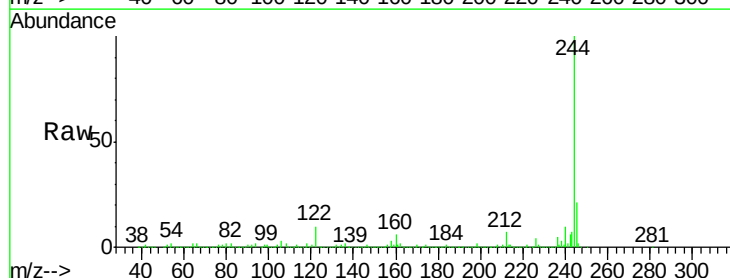
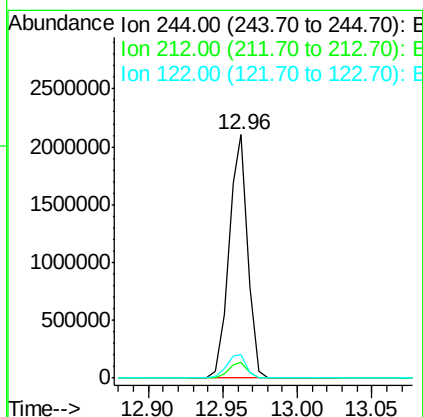
RT: 12.96 min Scan# 1849

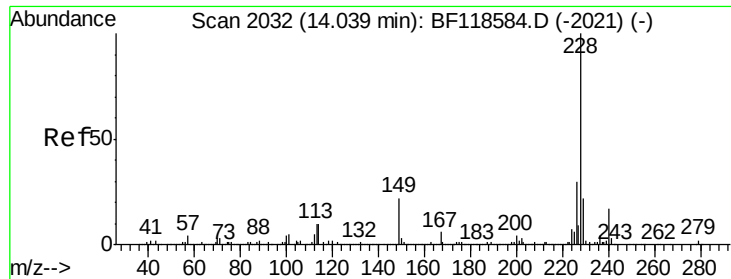
Delta R.T. -0.03 min

Lab File: BF118687.D

Acq: 24 Jan 2020 15:56

Tgt Ion:	244	Resp:	1857613
Ion Ratio		Lower	Upper
244	100		
212	6.6	7.0	10.4#
122	9.6	10.7	16.1#





#81

Benzo(a)anthracene

Concen: 3.910 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.04 min

Lab File: BF118687.D

Acq: 24 Jan 2020 15:56

Instrument :

BNA_F

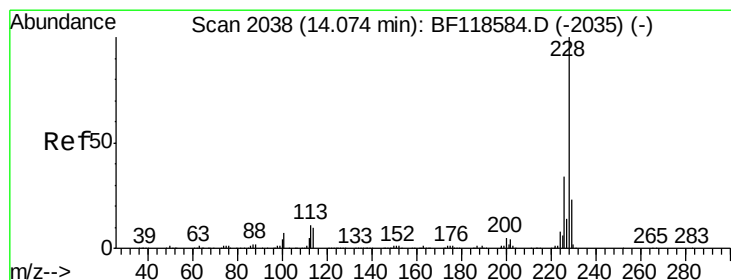
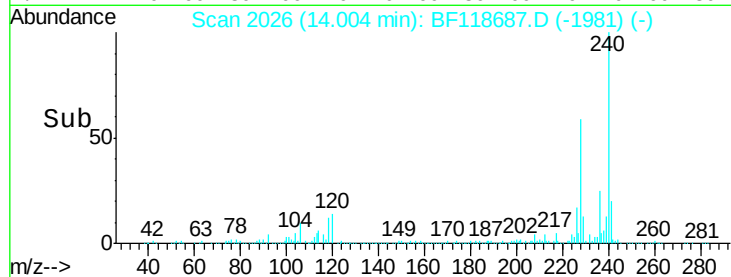
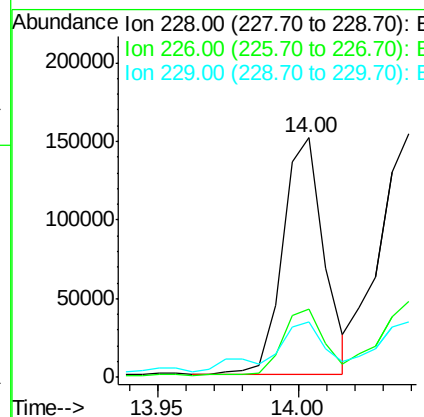
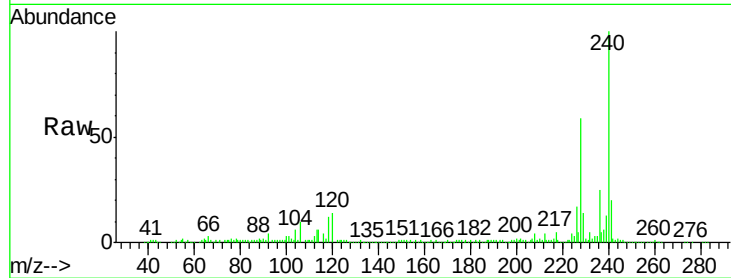
ClientSampleId :

NS-TP

Tot Ion:	228	Resp:	151995
Ion Ratio	Lower	Upper	
228	100		
226	28.7	24.1	36.1
229	23.2	17.6	26.4

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:15 AM



#83

Chrysene

Concen: 4.398 ng

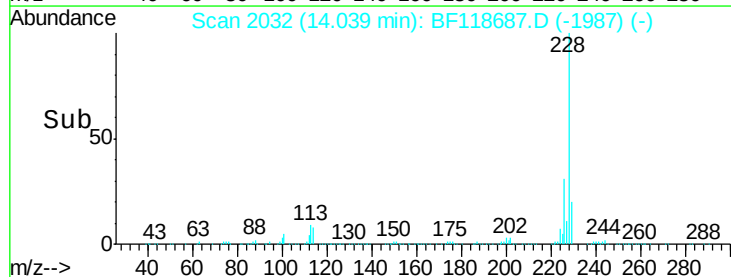
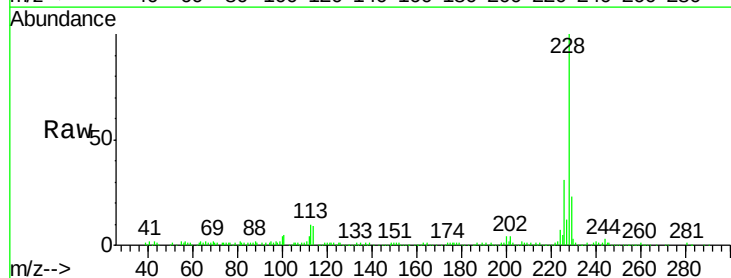
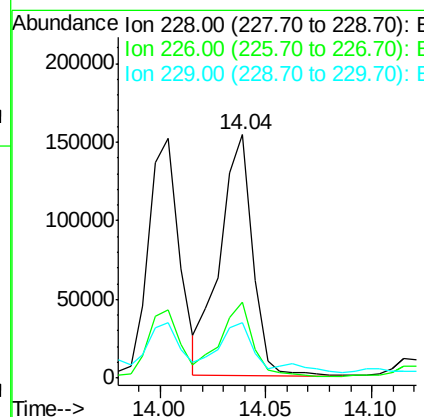
RT: 14.04 min Scan# 2032

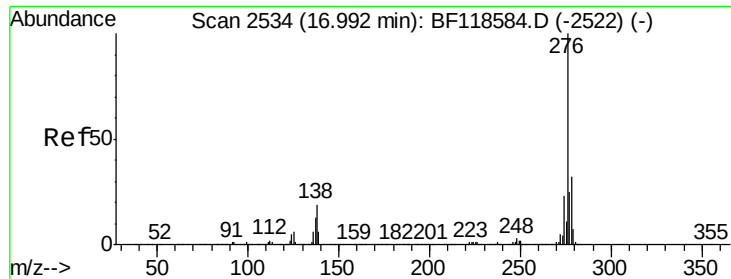
Delta R.T. -0.04 min

Lab File: BF118687.D

Acq: 24 Jan 2020 15:56

Tgt Ion:	228	Resp:	163861
Ion Ratio	Lower	Upper	
228	100		
226	31.0	27.4	41.0
229	22.8	18.3	27.5





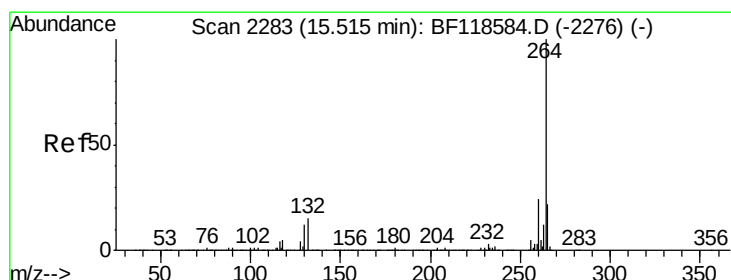
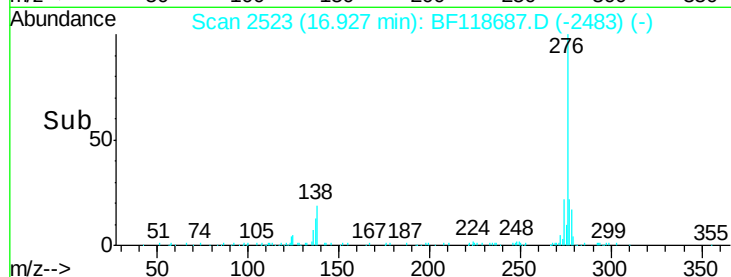
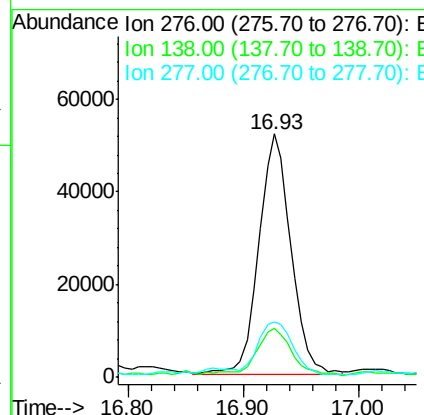
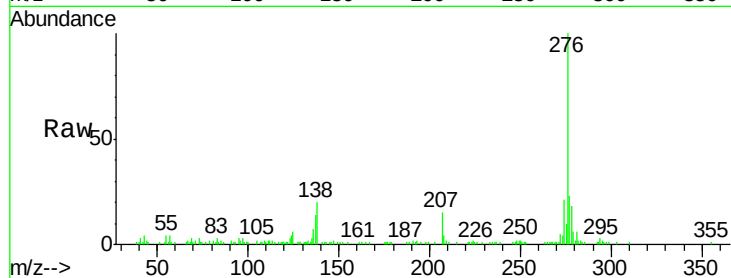
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.125 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.06 min
 Lab File: BF118687.D
 Acq: 24 Jan 2020 15:56

Instrument :
 BNA_F
 ClientSampleId :
 NS-TP

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	17.2	25.8
277	23.3	20.5	30.7

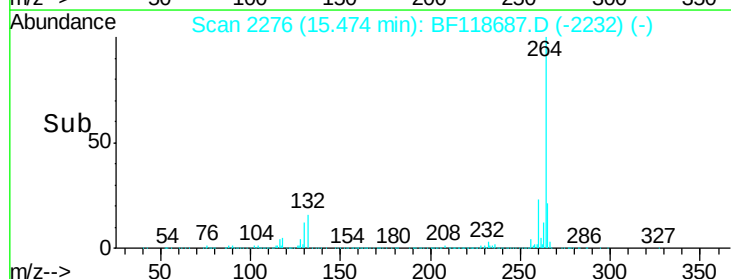
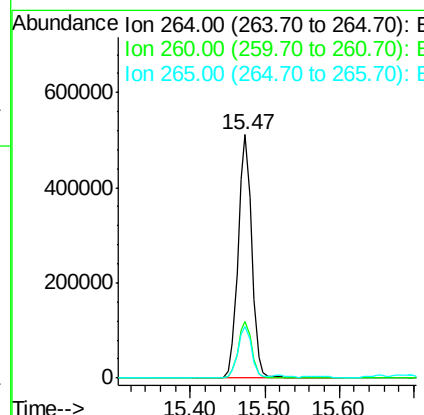
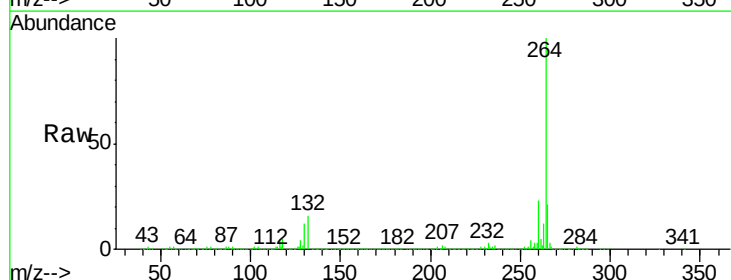
Manual Integrations
 APPROVED

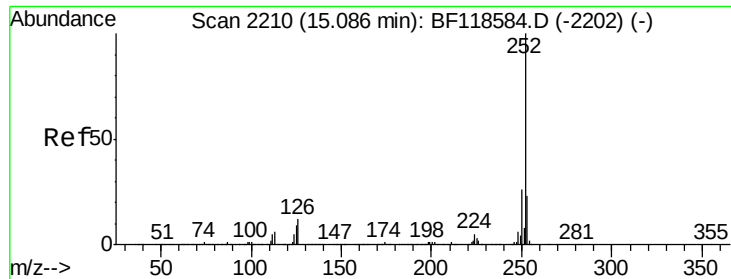
mohammad
 1/28/2020 8:12:15 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.04 min
 Lab File: BF118687.D
 Acq: 24 Jan 2020 15:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	21.4	17.7	26.5





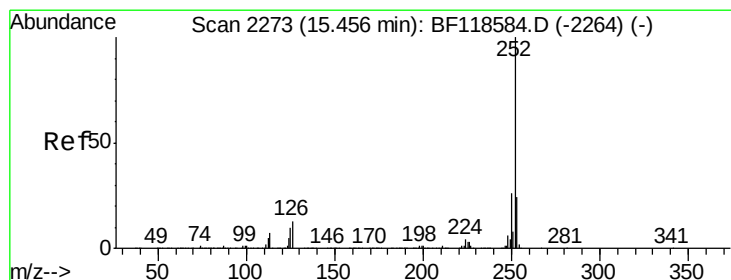
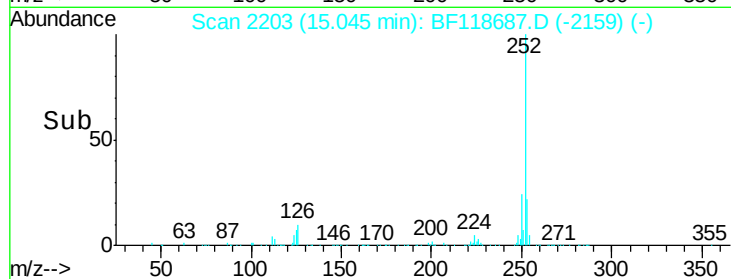
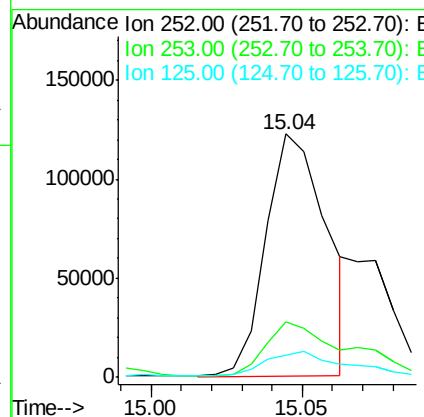
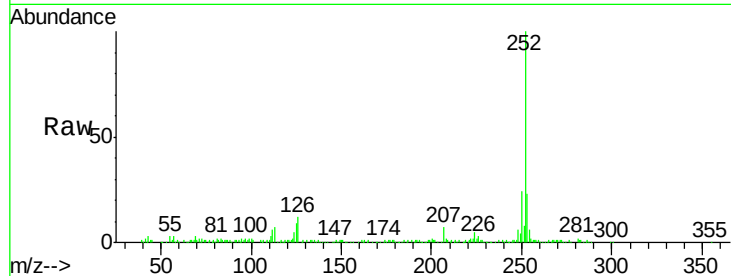
#88
Benzo(b)fluoranthene
Concen: 4.123 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Instrument :
BNA_F
ClientSampleId :
NS-TP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.7	28.1
125	9.3	7.3	10.9

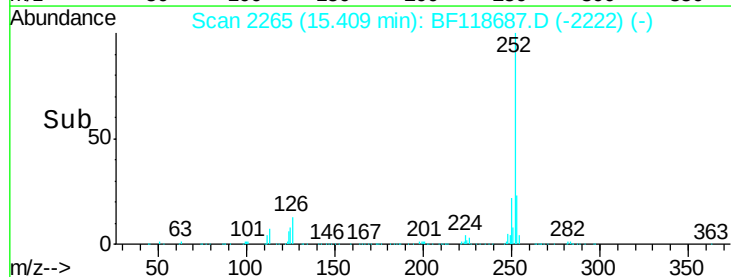
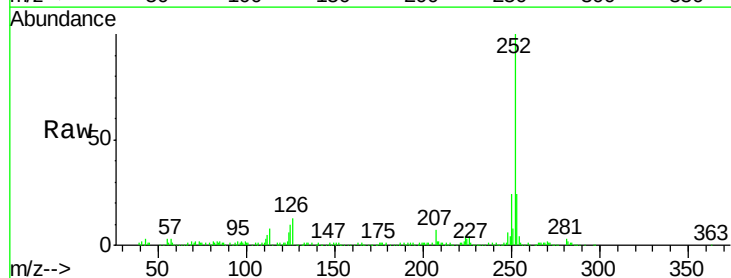
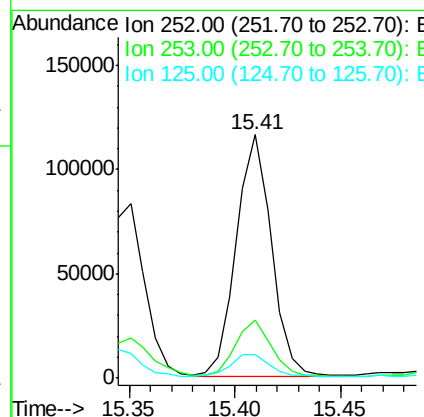
Manual Integrations
APPROVED

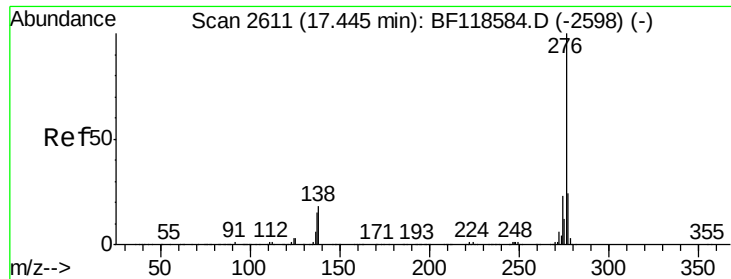
mohammad
1/28/2020 8:12:15 AM



#90
Benzo(a)pyrene
Concen: 3.739 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.05 min
Lab File: BF118687.D
Acq: 24 Jan 2020 15:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.8	28.2
125	9.5	7.8	11.6





#92
 Benzo(a,h,i)perylene
 Concen: 3.518 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. -0.08 min
 Lab File: BF118687.D
 Acq: 24 Jan 2020 15:56

Instrument :
 BNA_F
 ClientSampleId :
 NS-TP

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.7	18.9	28.3
138	19.0	14.4	21.6

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:15 AM

