

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
 Data File : BF119748.D
 Acq On : 4 Apr 2020 6:41
 Operator : MA/SJ
 Sample : L2129-21
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

mohammad
 4/6/2020 1:39:18 PM

Quant Time: Apr 04 07:21:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	200018	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	748942	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	361036	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	604390	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	387536	20.00	ng	-0.03
87) Perylene-d12	15.43	264	403770	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1822120	145.02	ng	0.01
7) Phenol-d6	6.44	99	2359078	146.98	ng	0.00
23) Nitrobenzene-d5	7.37	82	1441829	104.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	549472	147.52	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2347926	96.34	ng	-0.01
79) Terphenyl-d14	12.92	244	1974466	99.82	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.56	163	254981	9.943	ng	100
71) Phenanthrene	11.36	178	371284	11.847	ng	96
72) Anthracene	11.40	178	69276	2.175	ng	97
75) Fluoranthene	12.54	202	375698	11.077	ng	98
78) Pyrene	12.77	202	342895	10.781	ng	98
81) Benzo(a)anthracene	13.96	228	158482	6.289	ng	96
83) Chrysene	14.00	228	163983	6.305	ng	95
86) Indeno(1,2,3-cd)pyrene	16.86	276	67187	2.743	ng	94
88) Benzo(b)fluoranthene	15.00	252	192119m	7.123	ng	
90) Benzo(a)pyrene	15.36	252	127907	5.218	ng	98
92) Benzo(g,h,i)perylene	17.29	276	63655	2.955	ng	# 93

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

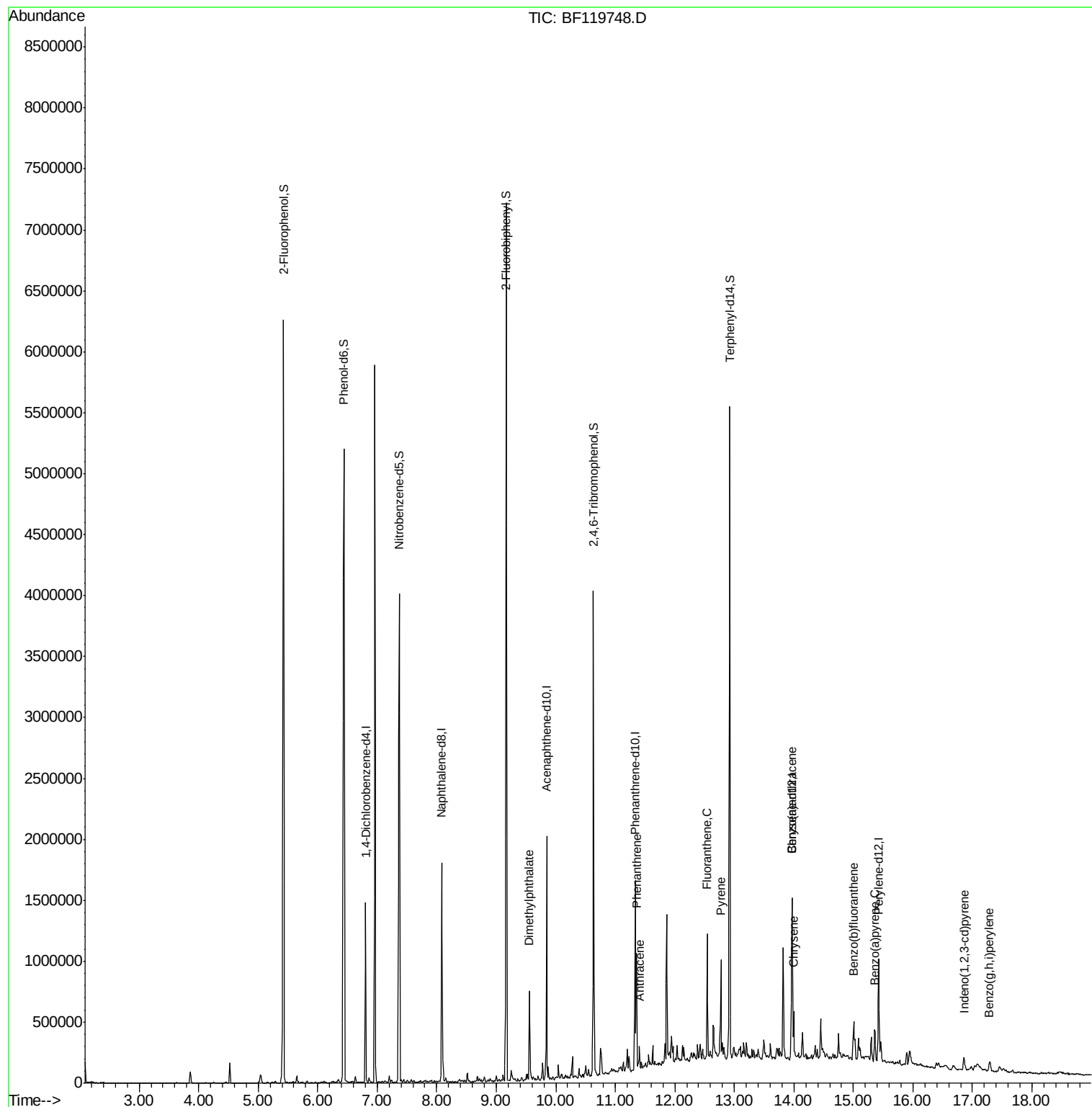
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
Data File : BF119748.D
Acq On : 4 Apr 2020 6:41
Operator : MA/SJ
Sample : L2129-21
Misc :
ALS Vial : 37 Sample Multiplier: 1

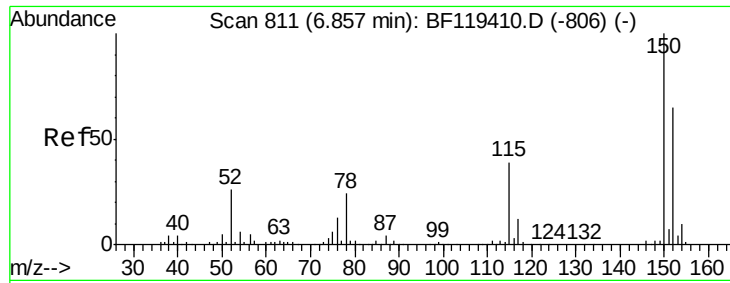
Instrument :
BNA_F
ClientSampleId :
TP-1

Manual Integrations
APPROVED

mohammad
4/6/2020 1:39:18 PM

Quant Time: Apr 04 07:21:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 11:59:45 2020
Response via : Initial Calibration





#1

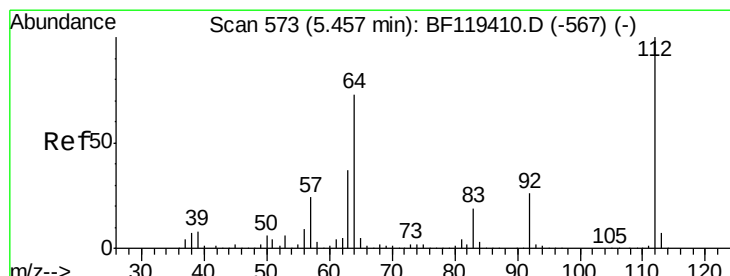
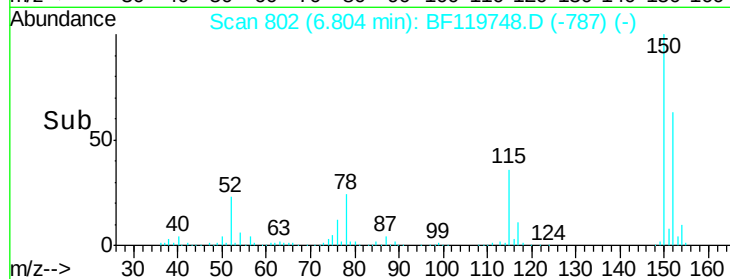
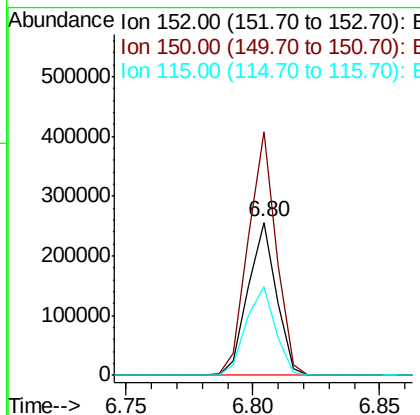
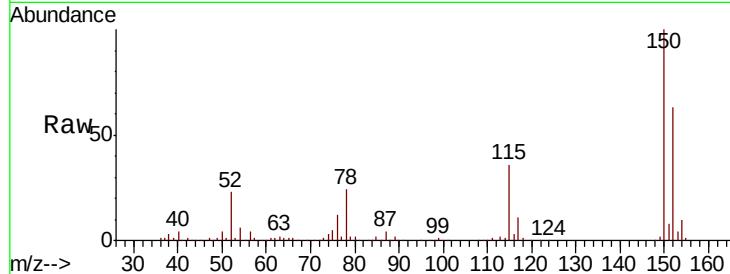
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.5	186.7
115	57.6	49.6	74.4

Manual Integrations
APPROVED

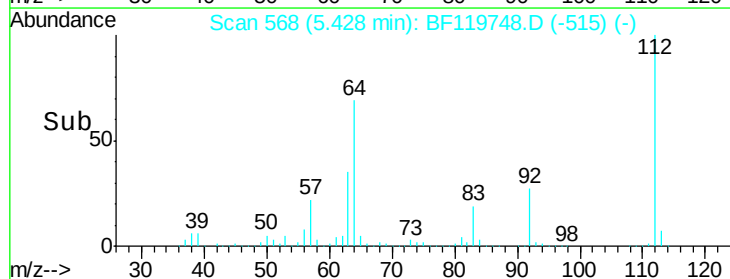
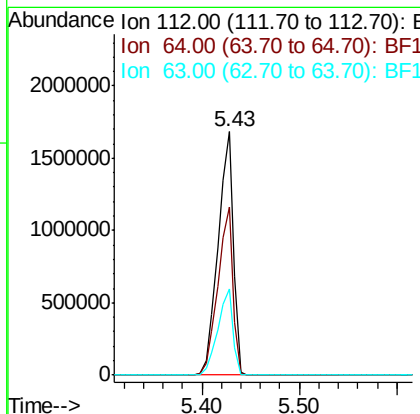
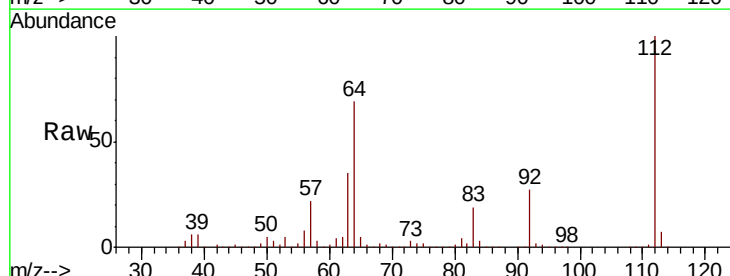
mohammad
4/6/2020 1:39:18 PM

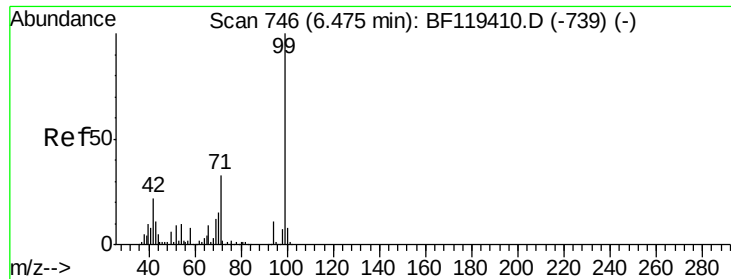


#5

2-Fluorophenol
Concen: 145.019 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	56.7	85.1
63	35.4	29.5	44.3





#7

Phenol-d6

Concen: 146.978 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampled :

TP-1

Tot Ion: 99 Resp: 2359078

Ion Ratio Lower Upper

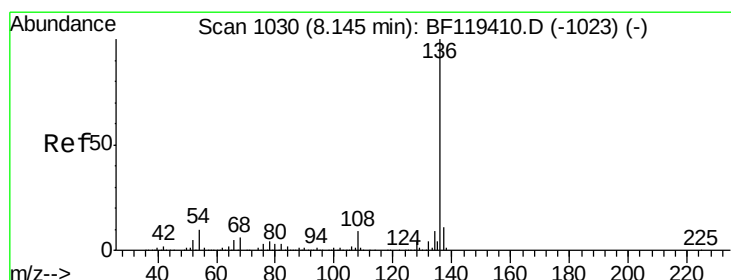
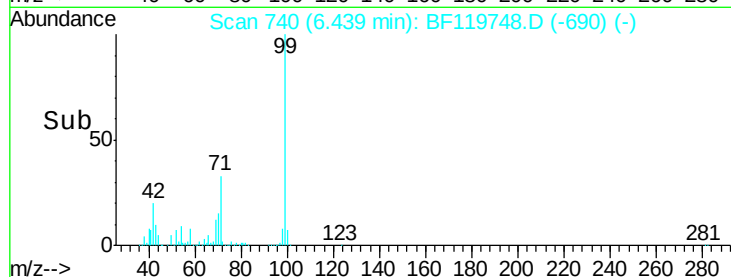
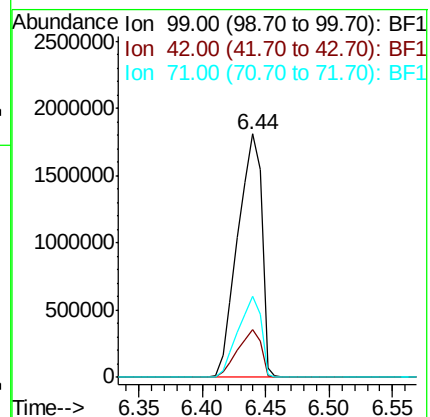
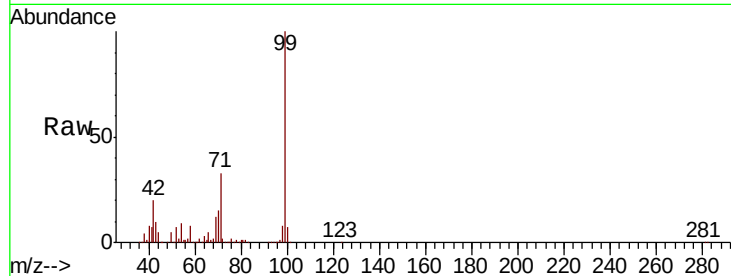
99 100

42 19.9 16.6 24.8

71 33.1 26.4 39.6

Manual Integrations
APPROVED

mohammad
4/6/2020 1:39:18 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Tgt Ion: 136 Resp: 748942

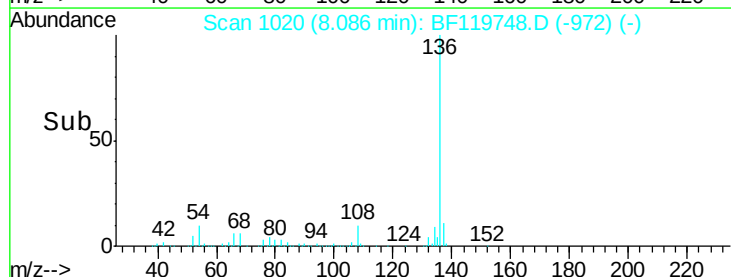
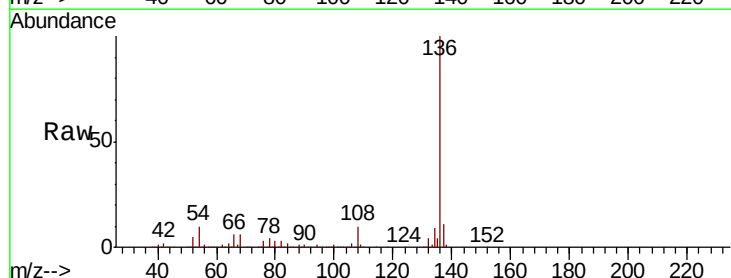
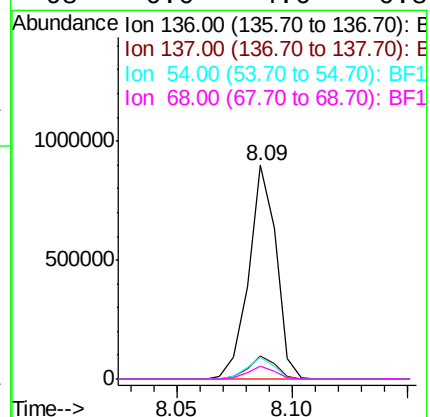
Ion Ratio Lower Upper

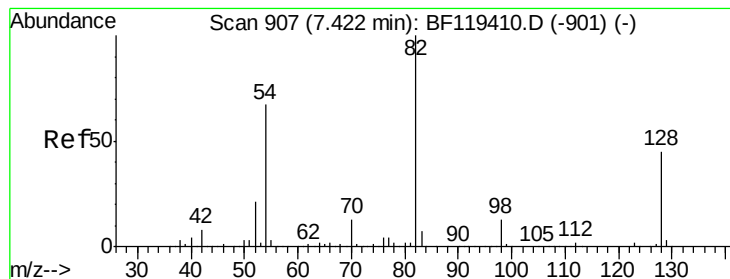
136 100

137 10.8 8.7 13.1

54 10.1 9.1 13.7

68 6.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 104.628 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampled :

TP-1

Tot Ion: 82 Resp: 1441829

Ion Ratio Lower Upper

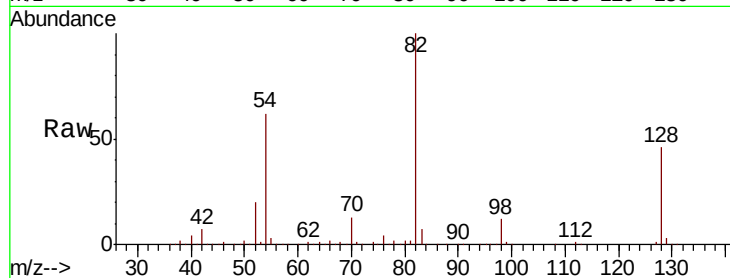
82 100

128 46.0 36.3 54.5

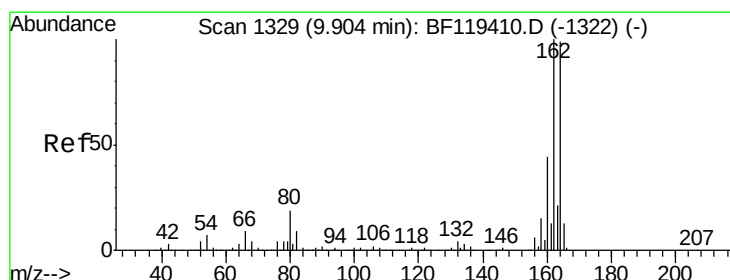
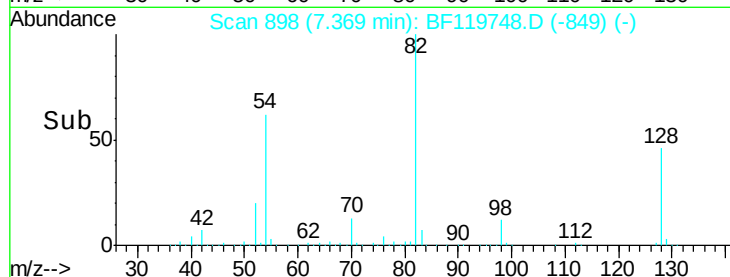
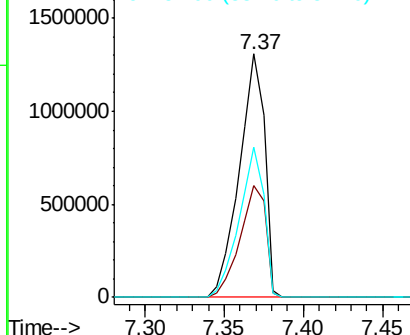
54 61.7 50.6 75.8

Manual Integrations
APPROVED

mohammad
4/6/2020 1:39:18 PM



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

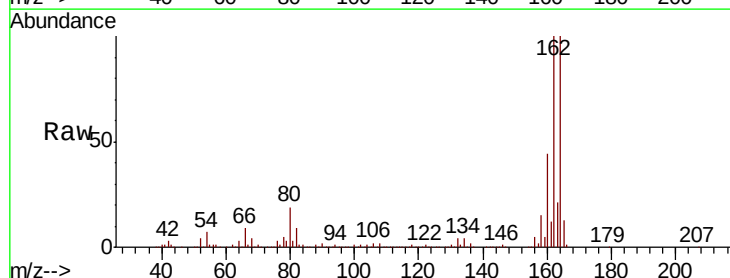
Tgt Ion:164 Resp: 361036

Ion Ratio Lower Upper

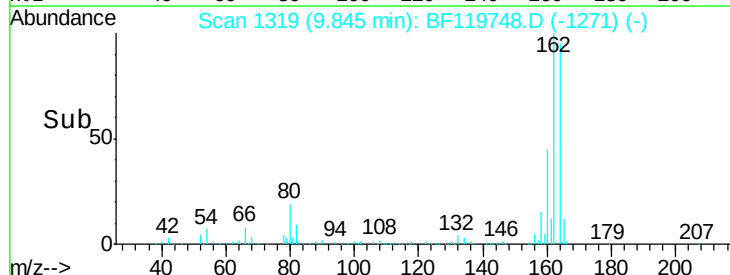
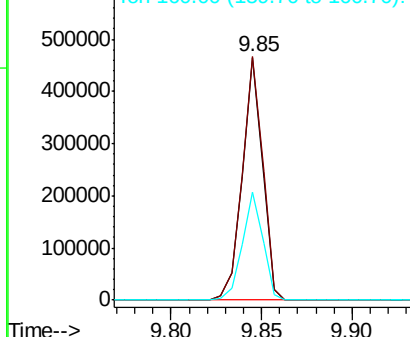
164 100

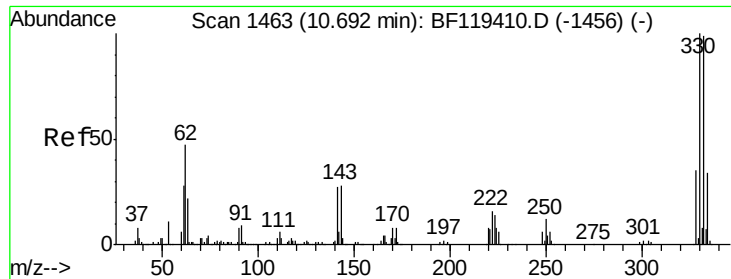
162 100.3 80.6 121.0

160 44.5 35.7 53.5



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





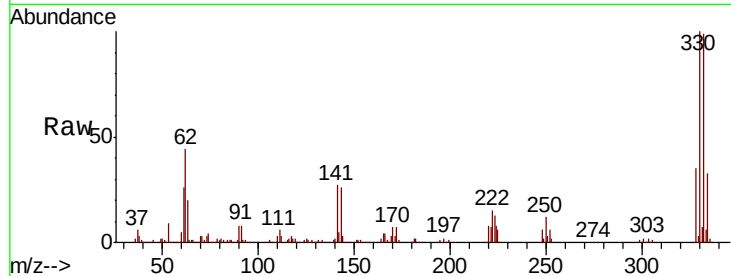
#42
 2,4,6-Tribromophenol
 Concen: 147.522 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119748.D
 Acq: 4 Apr 2020 6:41

Instrument :
 BNA_F
 ClientSampled :
 TP-1

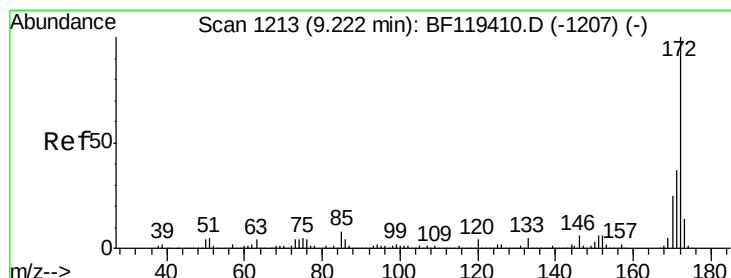
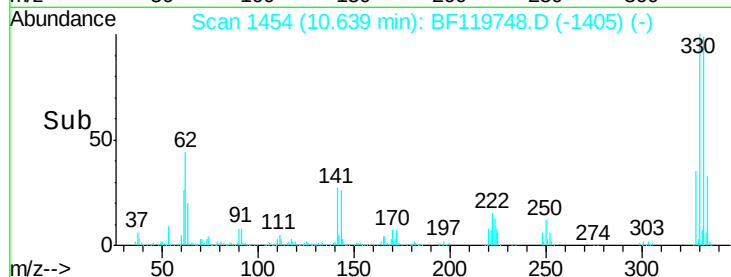
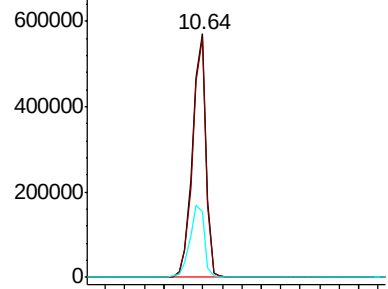
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.7	113.5
141	31.1	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 4/6/2020 1:39:18 PM

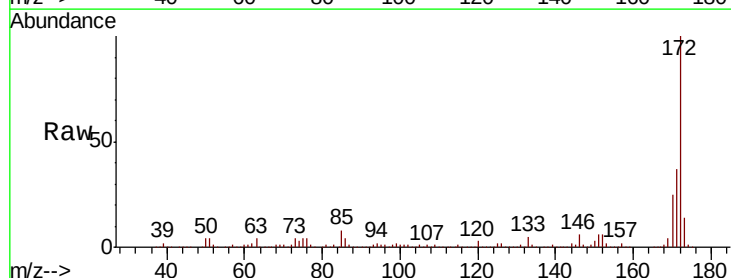


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

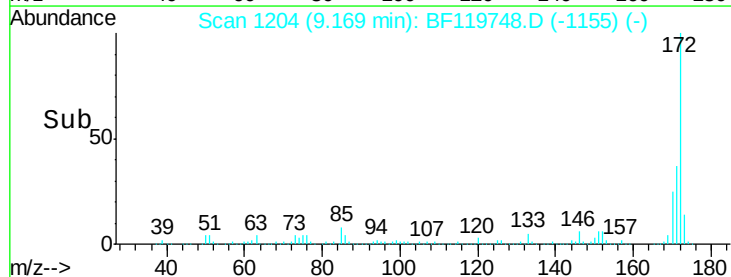
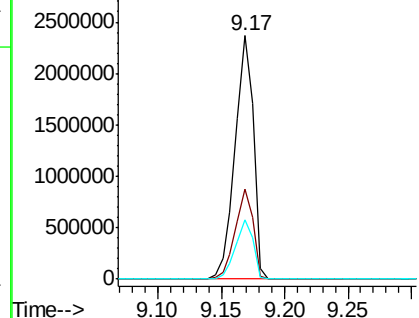


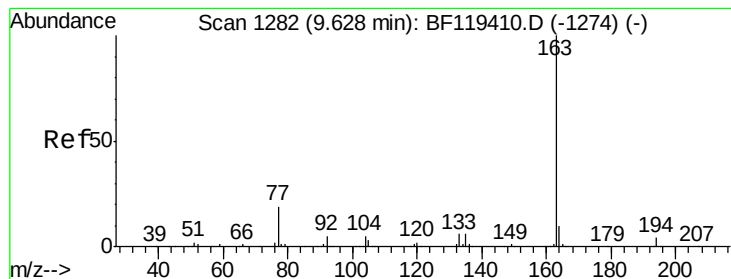
#45
 2-Fluorobiphenyl
 Concen: 96.345 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF119748.D
 Acq: 4 Apr 2020 6:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	24.6	20.2	30.2



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: 9.943 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.03 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

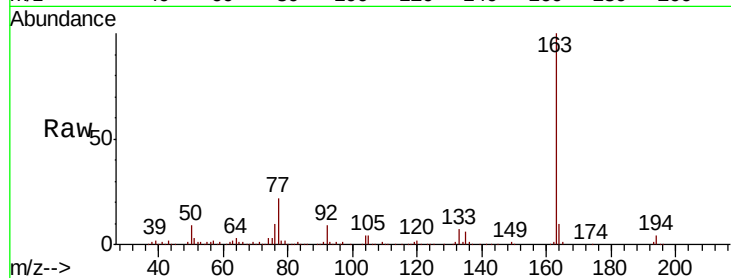
ClientSampleId :

TP-1

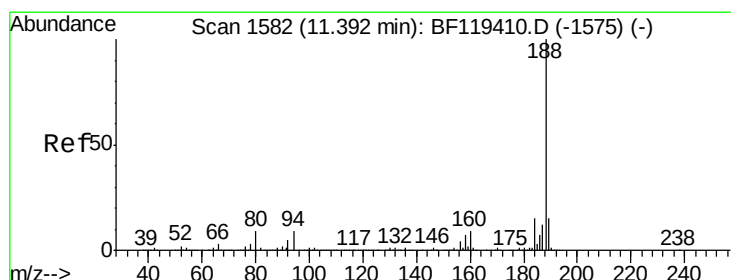
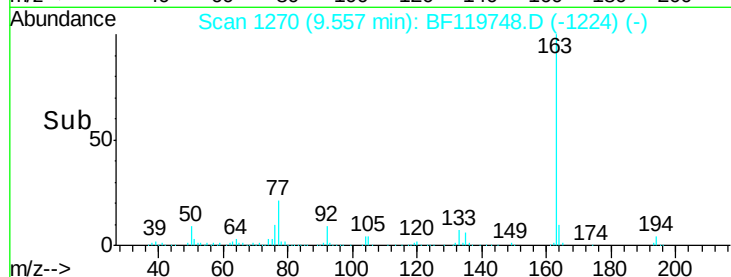
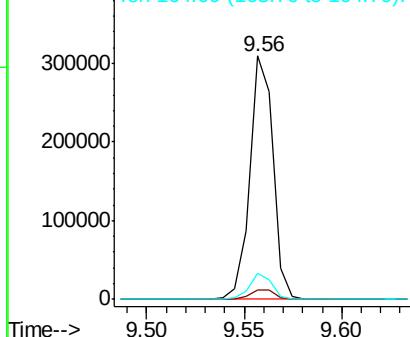
Tot Ion:	163	Resp:	254981
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.1	4.7
164	10.4	8.2	12.2

Manual Integrations
APPROVED

mohammad
4/6/2020 1:39:18 PM



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: 11.33 min Scan# 1572

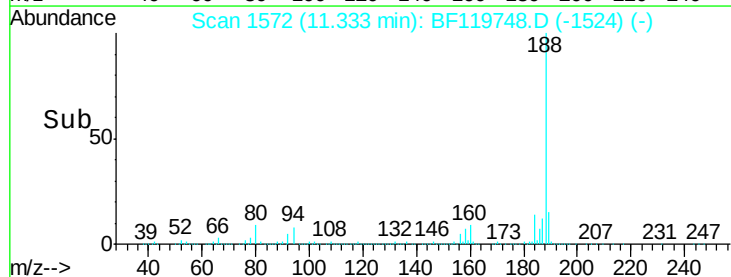
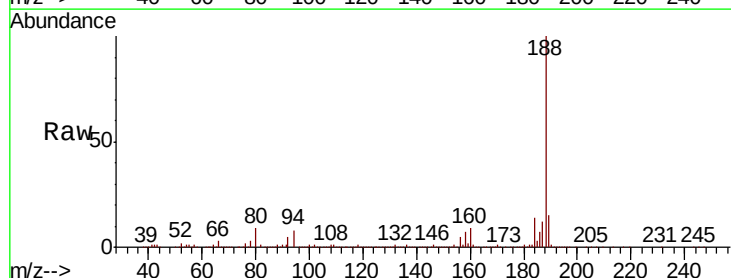
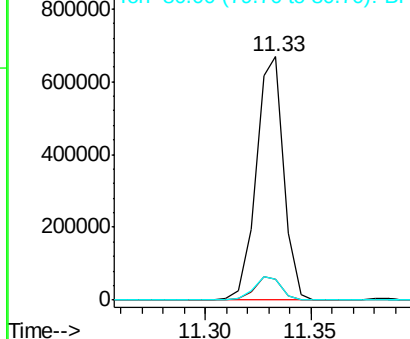
Delta R.T. -0.02 min

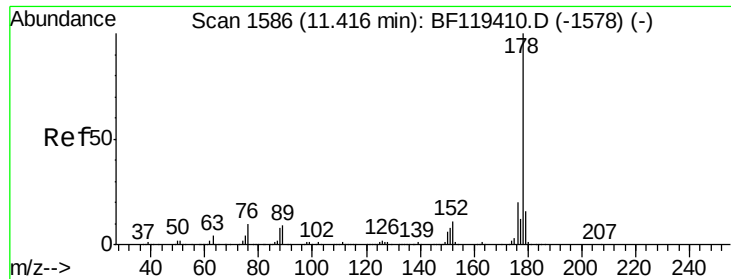
Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Tgt Ion:	188	Resp:	604390
Ion Ratio	Lower	Upper	
188	100		
94	8.4	7.5	11.3
80	8.8	9.0	13.4#

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





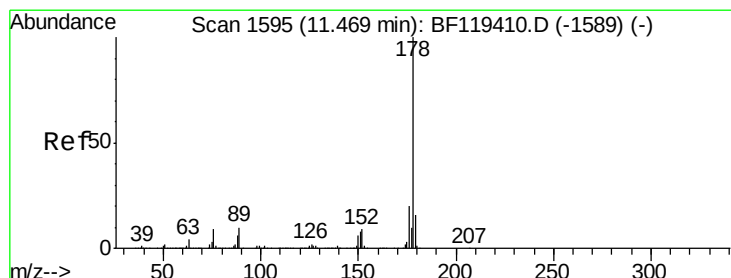
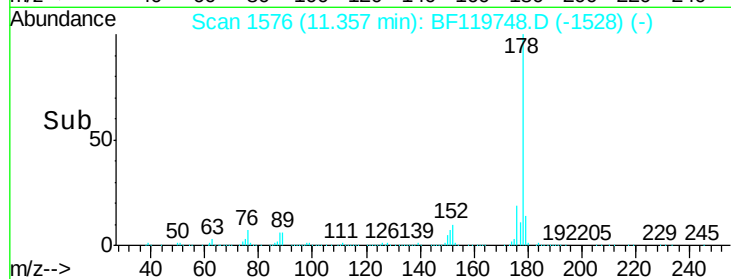
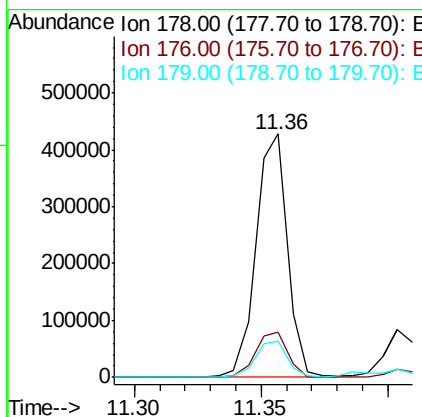
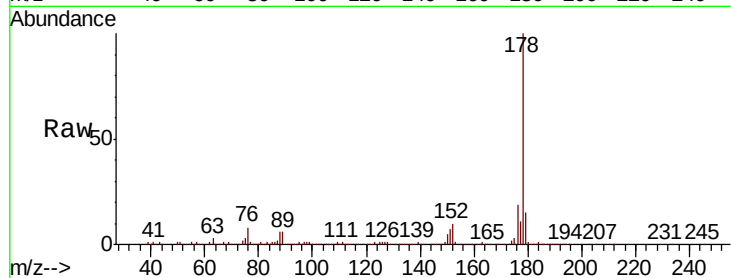
#71
Phenanthrene
Concen: 11.847 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	14.7	13.2	19.8

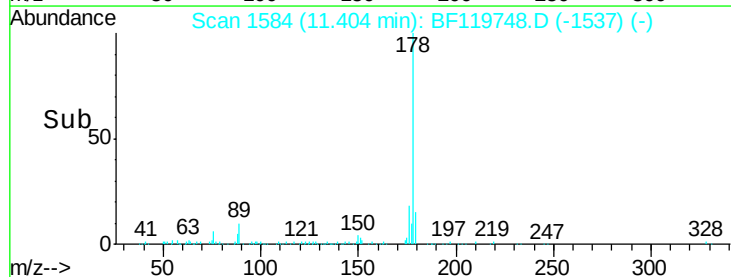
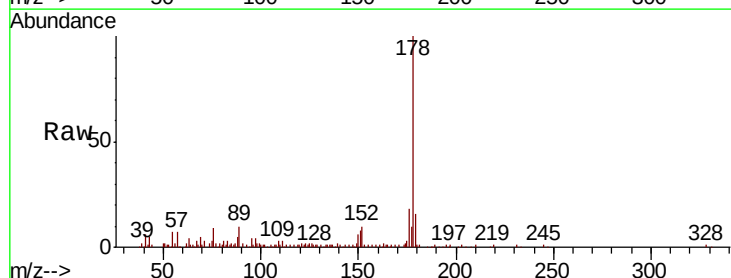
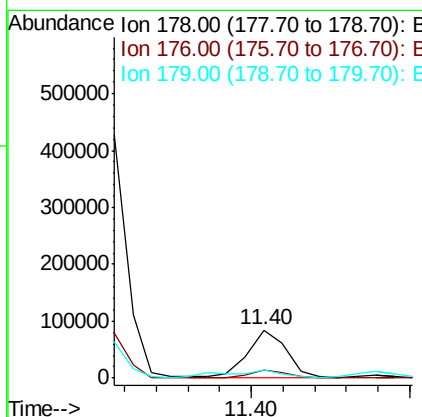
Manual Integrations
APPROVED

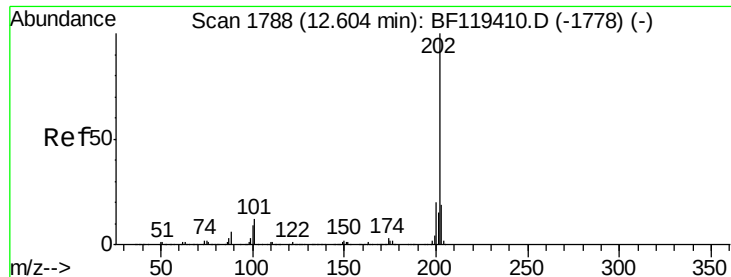
mohammad
4/6/2020 1:39:18 PM



#72
Anthracene
Concen: 2.175 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.02 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.1	24.1
179	16.0	13.0	19.4





#75

Fluoranthene

Concen: 11.077 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

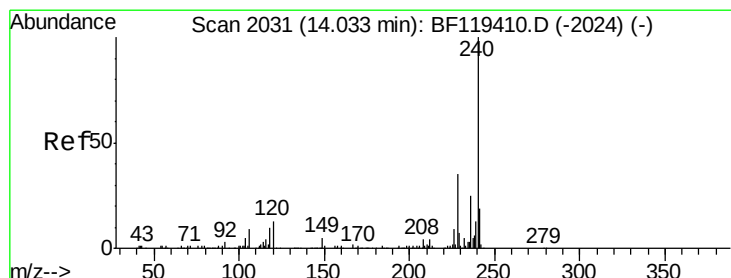
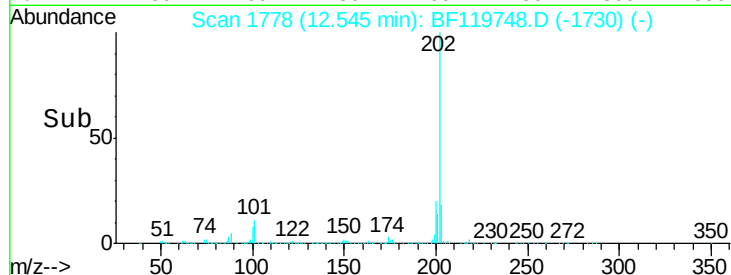
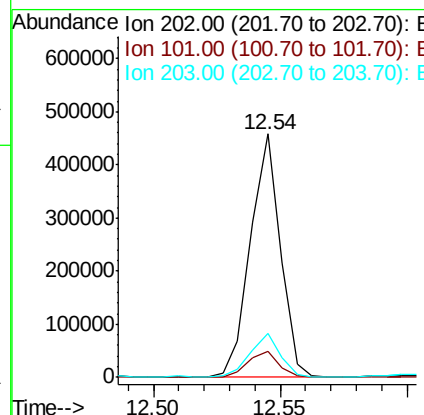
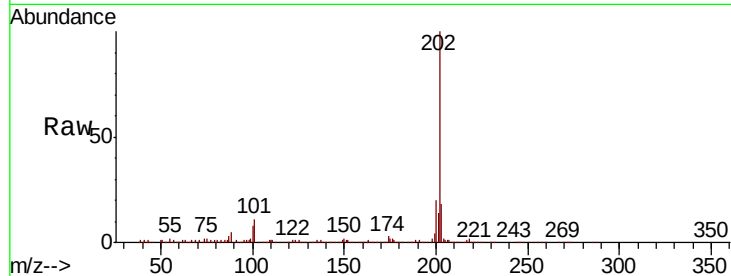
ClientSampleId :

TP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		375698		
101	10.7	0.0	32.2		
203	18.2	0.0	38.8		

Manual Integrations
APPROVED

mohammad
4/6/2020 1:39:18 PM



#76

Chrysene-d12

Concen: 20.000 ng

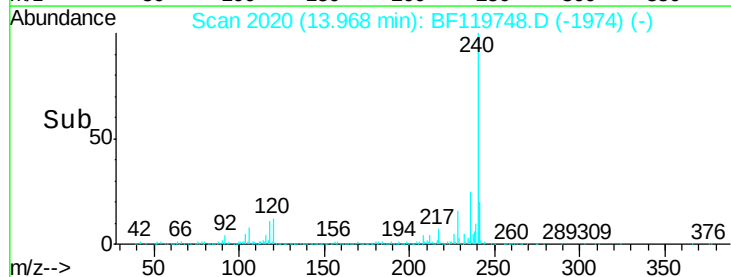
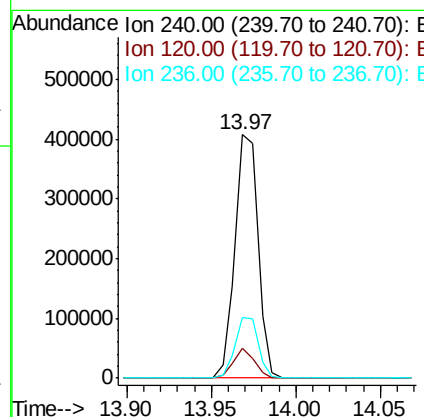
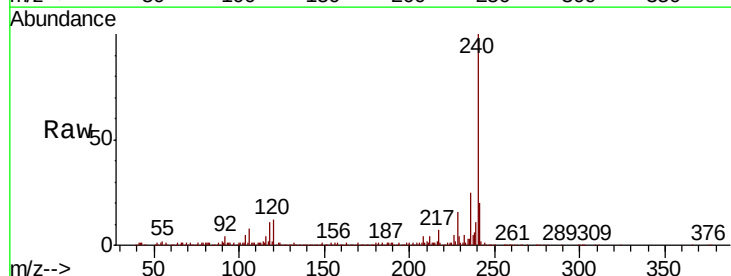
RT: 13.97 min Scan# 2020

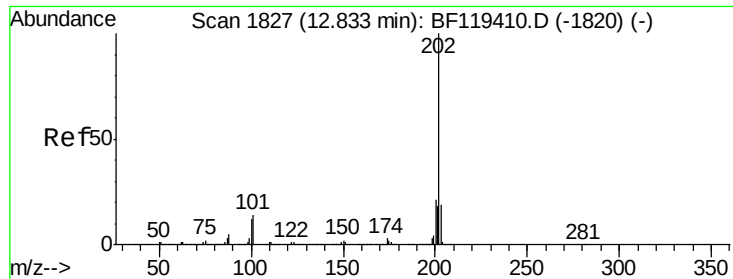
Delta R.T. -0.03 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		387536		
120	12.4	10.6	15.8		
236	25.1	20.2	30.2		





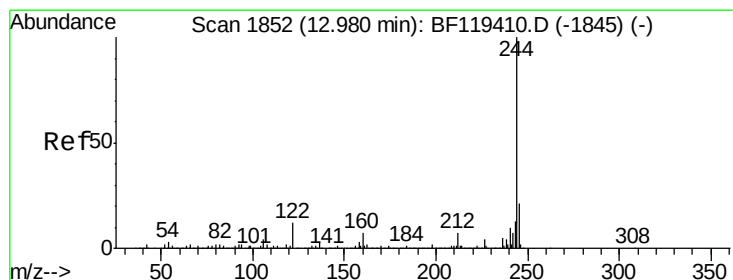
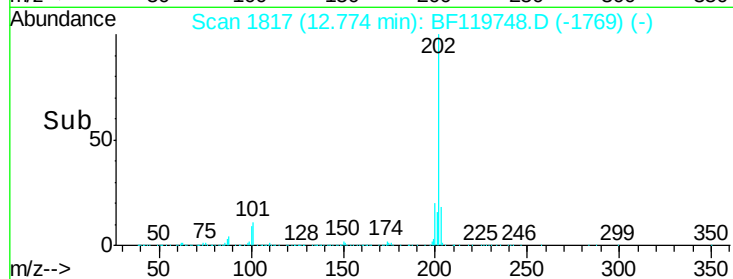
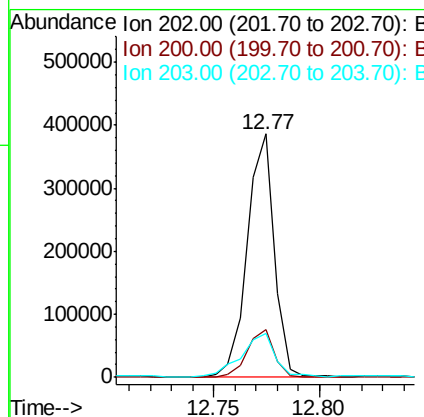
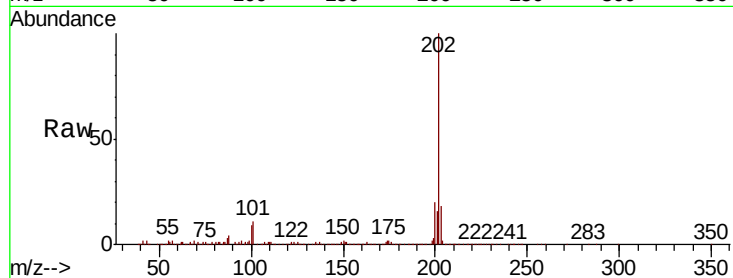
#78
Pvrene
Concen: 10.781 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.6	16.8	25.2
203	18.1	15.1	22.7

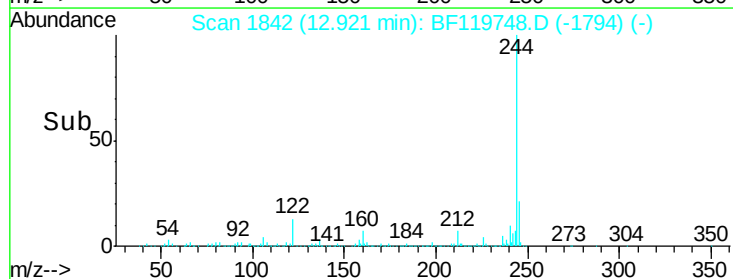
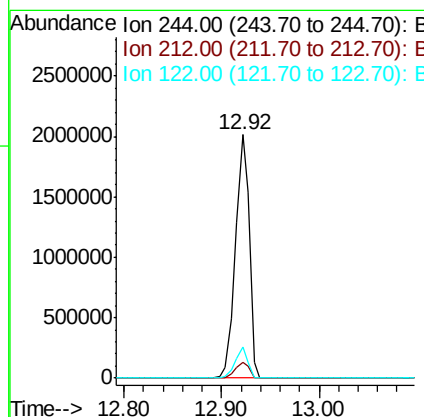
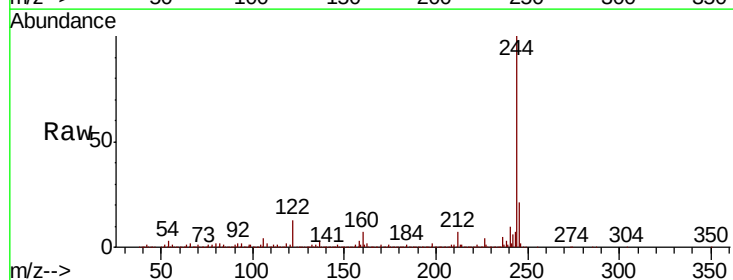
Manual Integrations
APPROVED

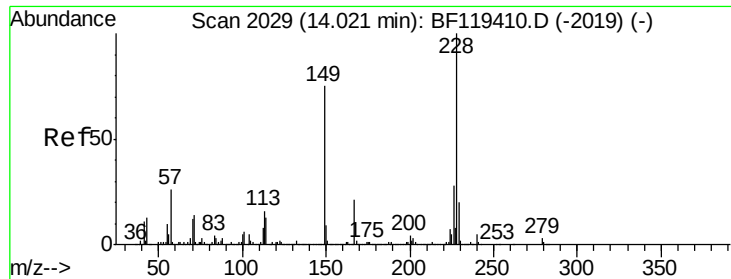
mohammad
4/6/2020 1:39:18 PM



#79
Terphenyl-d14
Concen: 99.820 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.8	8.8
122	12.6	10.3	15.5





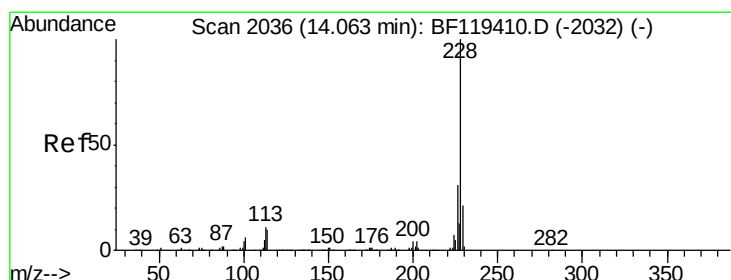
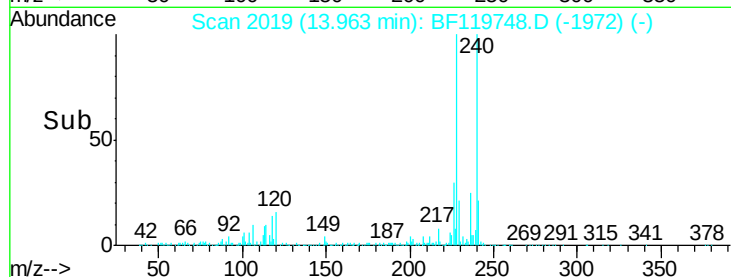
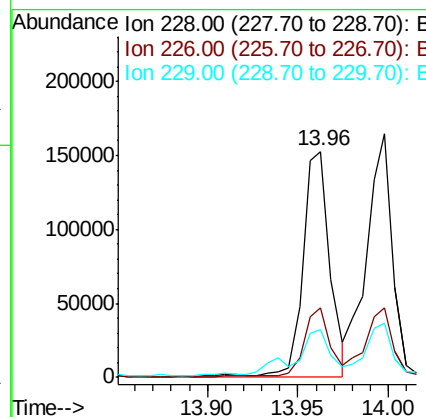
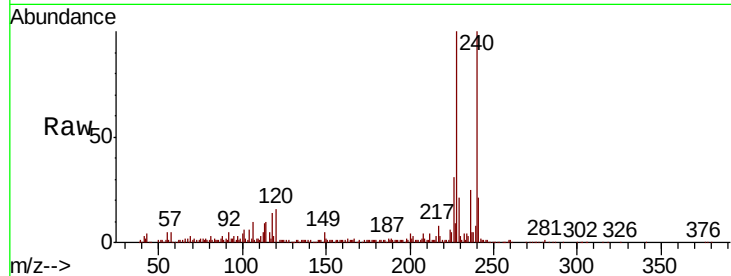
#81
Benzo(a)anthracene
Concen: 6.289 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.8	32.8
229	21.2	16.2	24.4

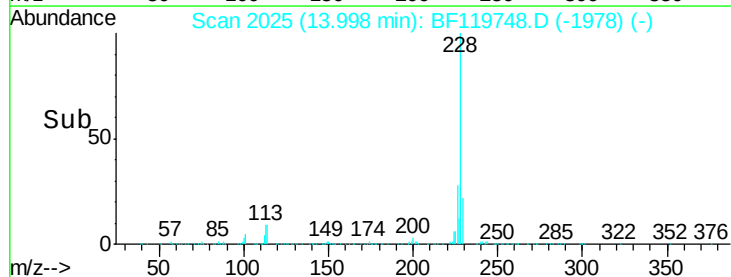
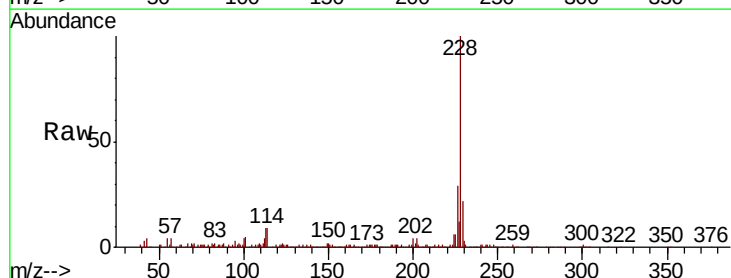
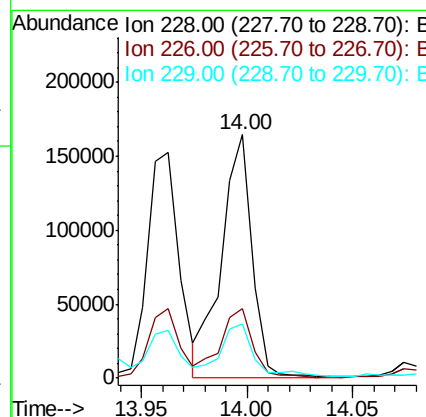
Manual Integrations
APPROVED

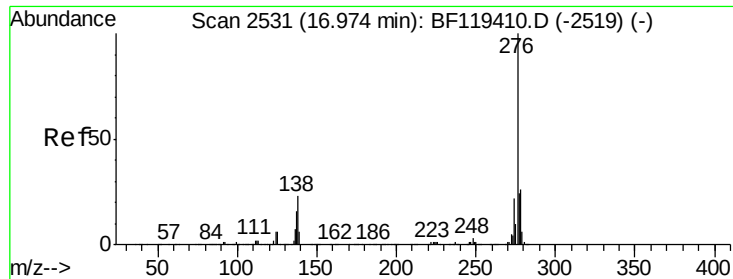
mohammad
4/6/2020 1:39:18 PM



#83
Chrysene
Concen: 6.305 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	25.4	38.0
229	22.1	16.6	24.8





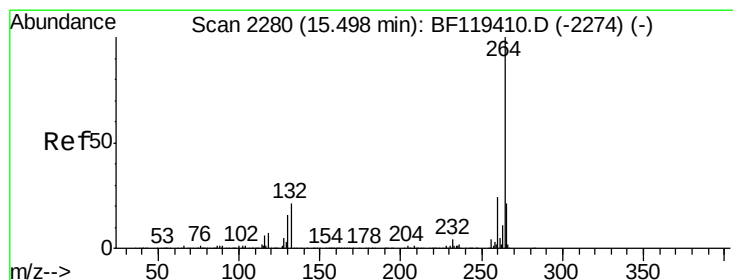
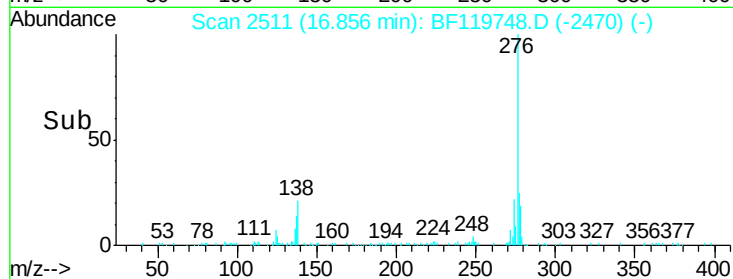
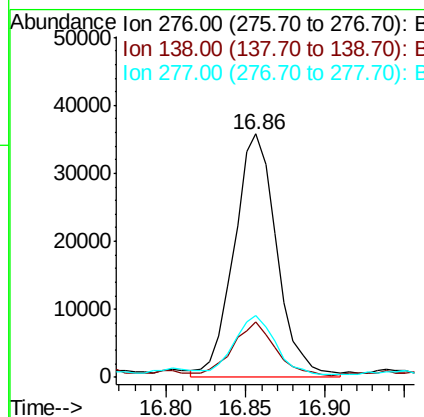
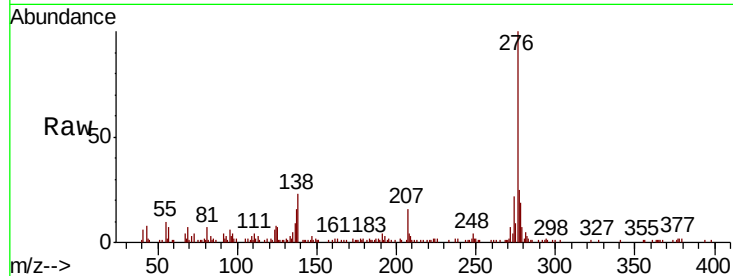
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.743 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. -0.06 min
 Lab File: BF119748.D
 Acq: 4 Apr 2020 6:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion:	276	Resp:	67187
Ion Ratio	Lower	Upper	
276	100		
138	21.0	19.6	29.4
277	23.0	20.0	30.0

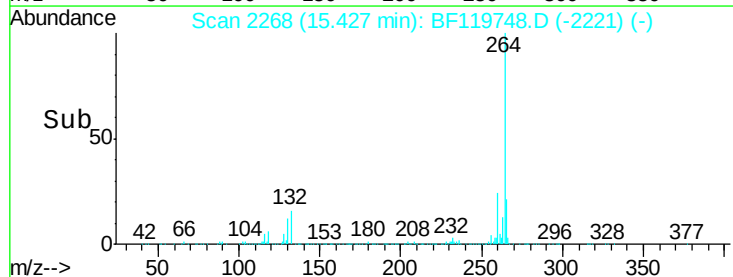
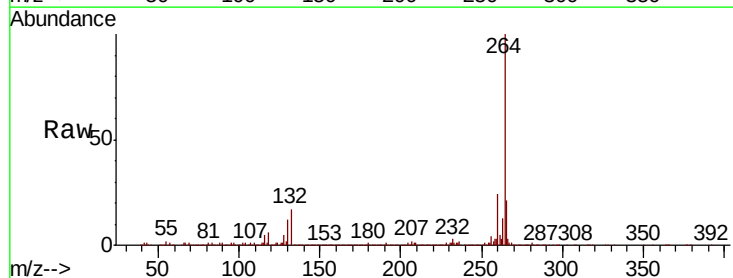
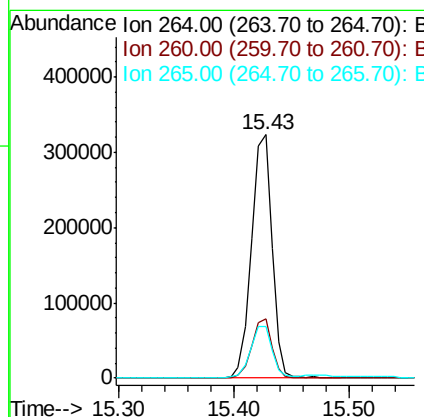
Manual Integrations
 APPROVED

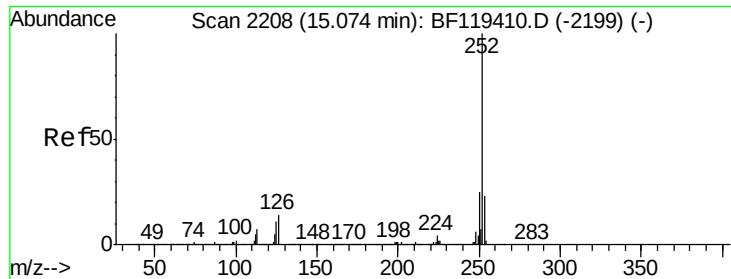
mohammad
 4/6/2020 1:39:18 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BF119748.D
 Acq: 4 Apr 2020 6:41

Tgt Ion:	264	Resp:	403770
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.7	28.1
265	21.2	17.7	26.5





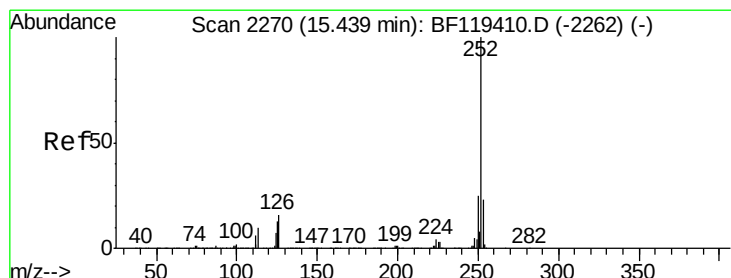
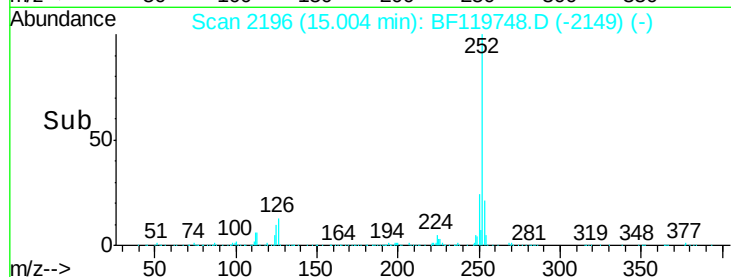
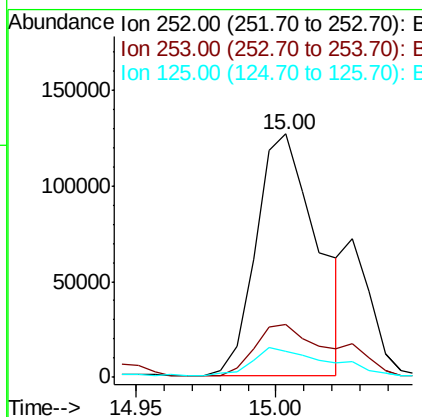
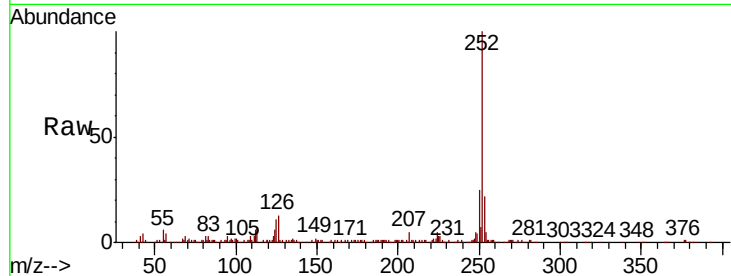
#88
Benzo(b)fluoranthene
Concen: 7.123 ng/mL
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	10.5	7.9	11.9

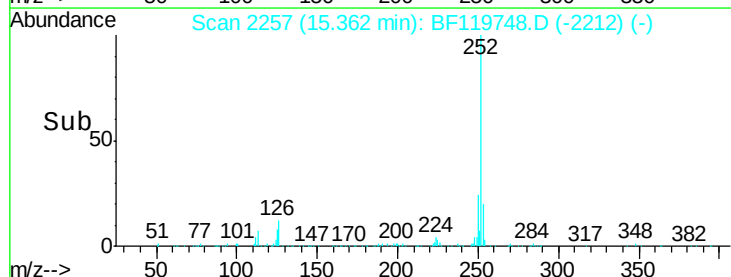
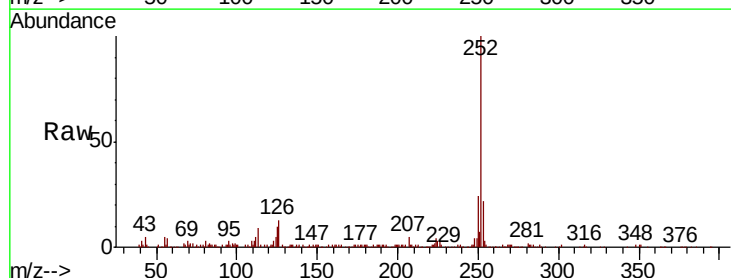
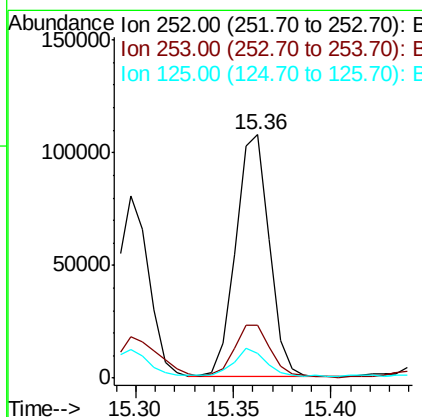
Manual Integrations
APPROVED

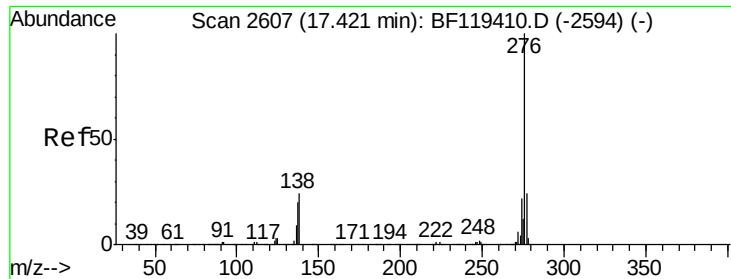
mohammad
4/6/2020 1:39:18 PM



#90
Benzo(a)pyrene
Concen: 5.218 ng/mL
RT: 15.36 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	10.3	9.4	14.2





#92
 Benzo(a,h,i)perylene
 Concen: 2.955 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.07 min
 Lab File: BF119748.D
 Acq: 4 Apr 2020 6:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.4	27.6
138	24.1	15.4	23.0

Manual Integrations
 APPROVED

mohammad
 4/6/2020 1:39:18 PM

