

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF092120\
 Data File : BF121634.D
 Acq On : 21 Sep 2020 19:08
 Operator : JU/CG
 Sample : L4048-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

mohammad
 9/22/2020 10:09:00 AM

Quant Time: Sep 25 13:15:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 21 14:19:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	143723	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	560132	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	288627	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	534474	20.00	ng	0.00
76) Chrysene-d12	13.99	240	376040	20.00	ng	0.00
86) Perylene-d12	15.45	264	346833	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	880861	91.08	ng	0.00
7) Phenol-d6	6.45	99	1130455	89.10	ng	-0.01
23) Nitrobenzene-d5	7.38	82	769471	73.76	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	305533	85.17	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	1310202	68.75	ng	0.00
79) Terphenyl-d14	12.94	244	1310761	70.62	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	7.83	122	32080	10.860	ng	91
37) 2-Methylnaphthalene	8.82	142	102572	5.293	ng	97
50) Dimethylphthalate	9.57	163	123648	5.911	ng	100
71) Phenanthrene	11.37	178	149306	5.127	ng	99
75) Fluoranthene	12.56	202	253251	8.147	ng	99
78) Pyrene	12.79	202	224373	8.167	ng	98
81) Benzo(a)anthracene	13.98	228	101113	4.250	ng	97
83) Chrysene	14.02	228	117316	4.870	ng	96
88) Benzo(b)fluoranthene	15.03	252	130393m	5.624	ng	
90) Benzo(a)pyrene	15.39	252	80759	4.098	ng	98
92) Benzo(g,h,i)perylene	17.33	276	66396	3.592	ng	96

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

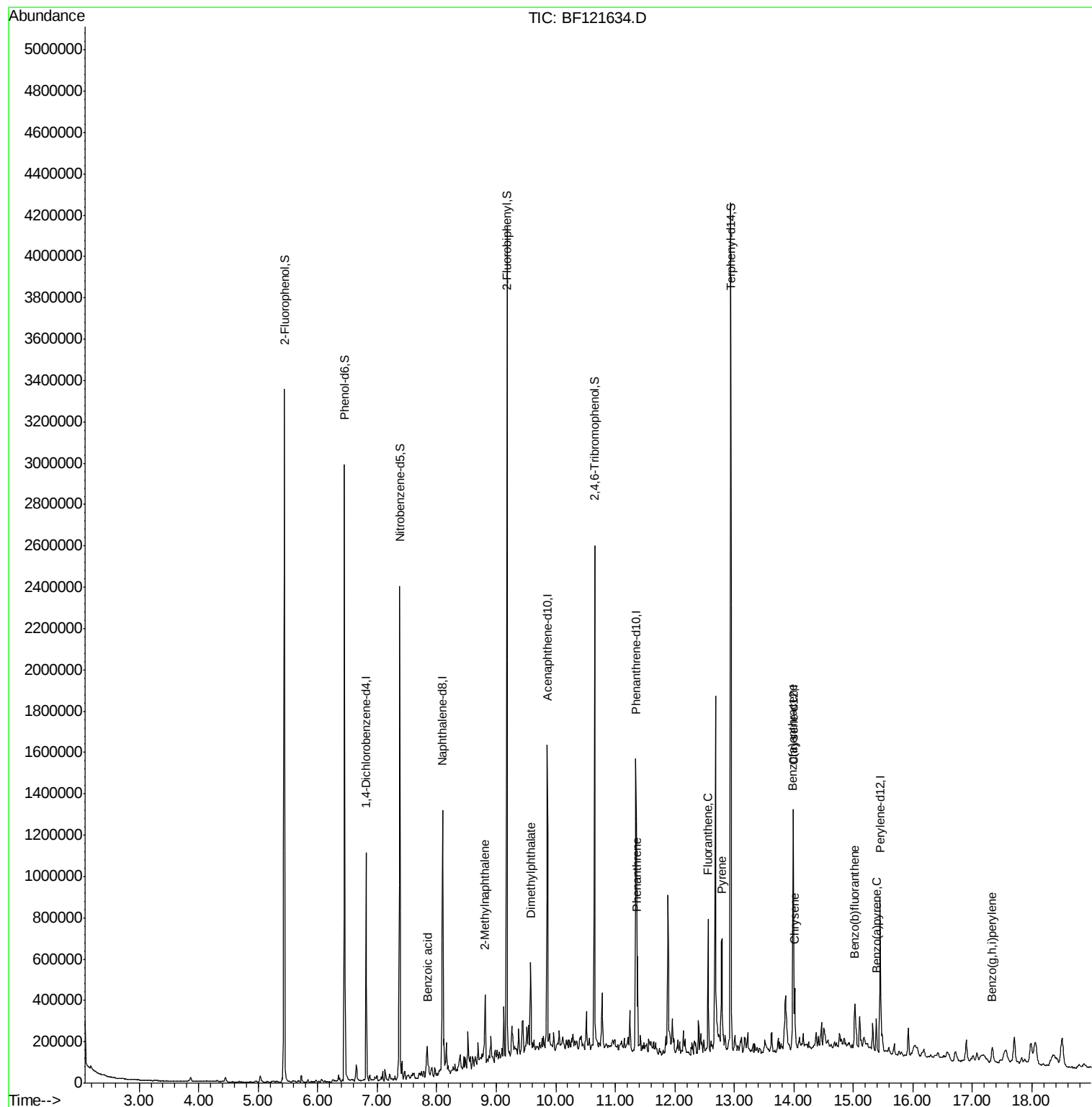
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF092120\
Data File : BF121634.D
Acq On : 21 Sep 2020 19:08
Operator : JU/CG
Sample : L4048-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

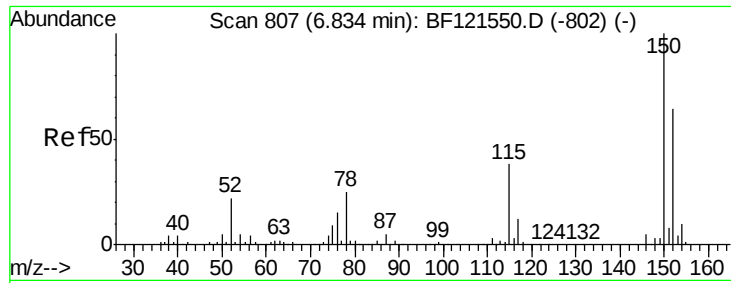
Instrument :
BNA_F
ClientSampleId :
WC-1

Manual Integrations
APPROVED

mohammad
9/22/2020 10:09:00 AM

Quant Time: Sep 25 13:15:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 21 14:19:01 2020
Response via : Initial Calibration





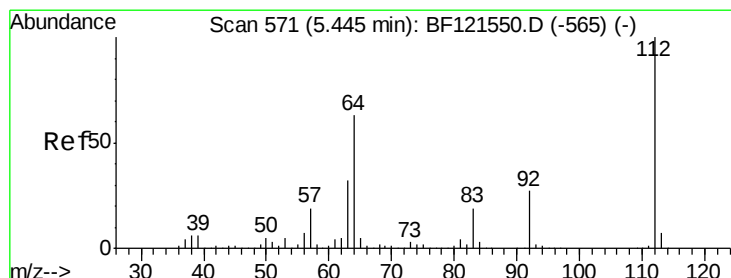
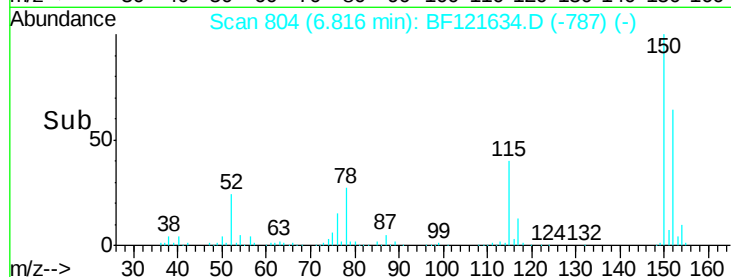
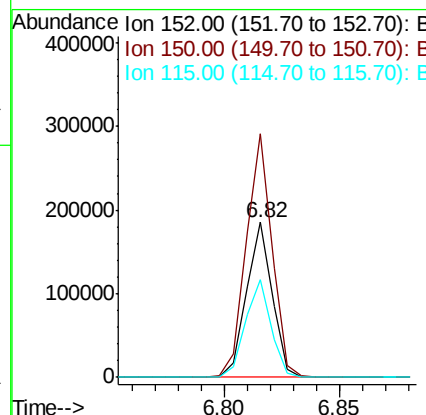
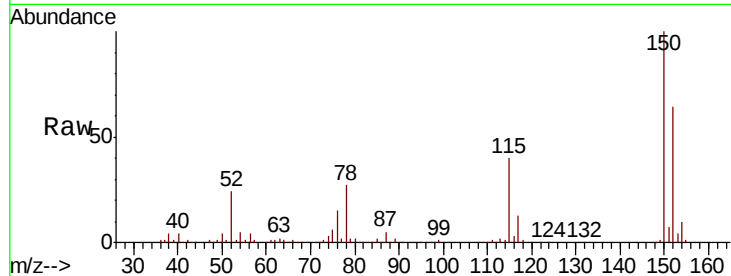
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF121634.D
 Acq: 21 Sep 2020 19:08

Instrument :
 BNA_F
 ClientSampled :
 WC-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	128.1	192.1
115	62.9	52.6	79.0

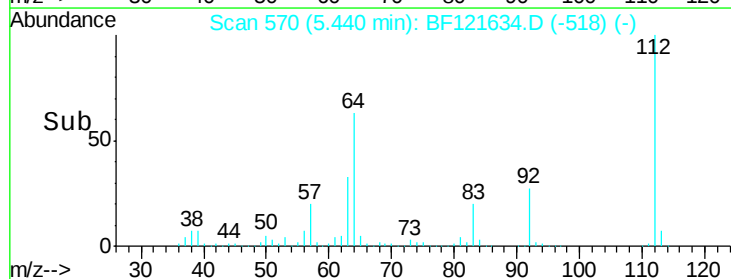
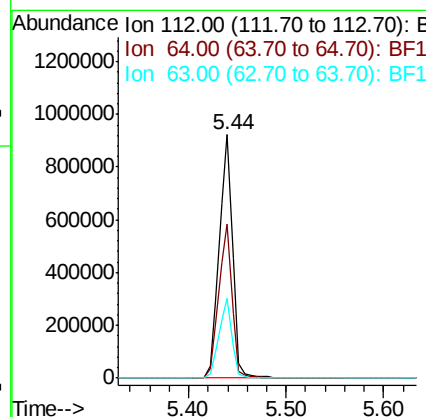
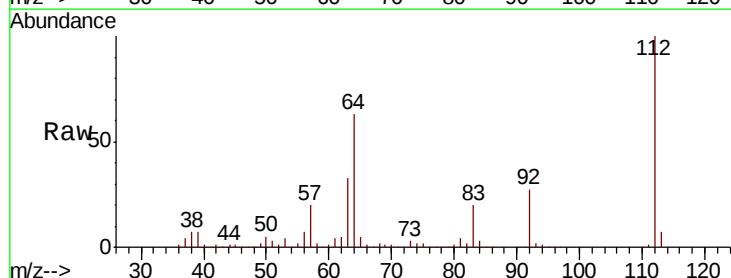
Manual Integrations
 APPROVED

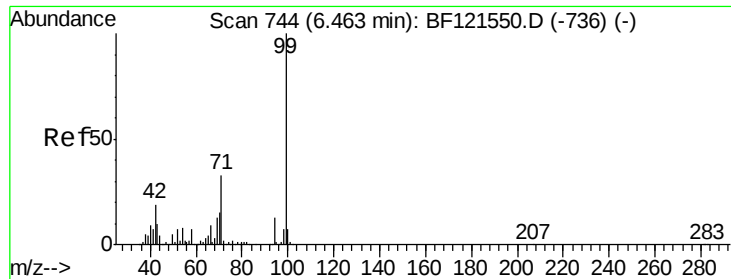
mohammad
 9/22/2020 10:09:00 AM



#5
 2-Fluorophenol
 Concen: 91.083 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: BF121634.D
 Acq: 21 Sep 2020 19:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	52.2	78.2
63	33.0	26.6	39.8





#7

Phenol-d6

Concen: 89.098 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF121634.D

Acq: 21 Sep 2020 19:08

Instrument :

BNA_F

ClientSampled :

WC-1

Tot Ion: 99 Resp: 1130455

Ion Ratio Lower Upper

99 100

42 20.4 15.5 23.3

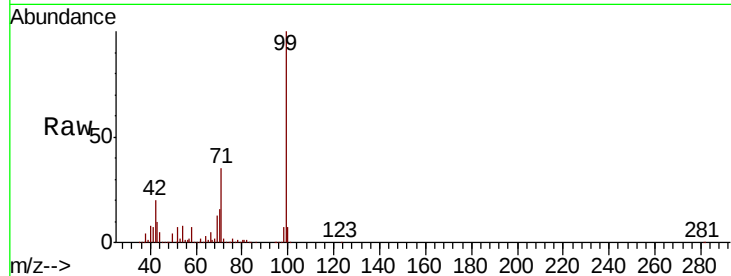
71 35.4 27.4 41.2

Manual Integrations

APPROVED

mohammad

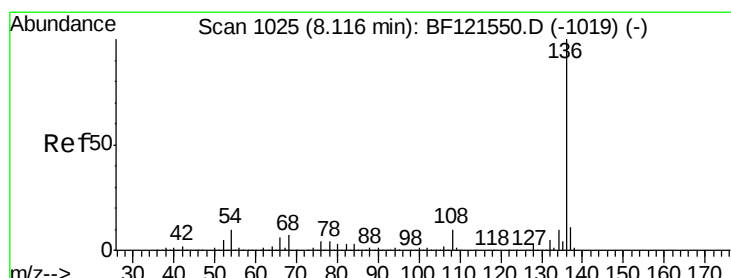
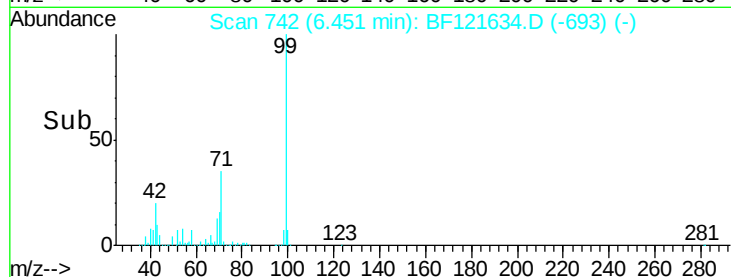
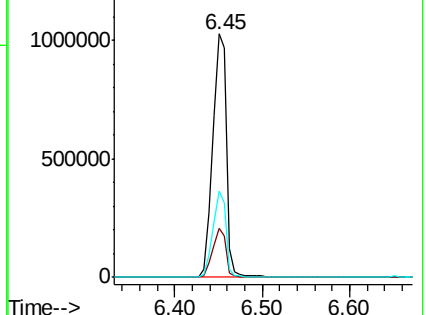
9/22/2020 10:09:00 AM



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: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF121634.D

Acq: 21 Sep 2020 19:08

Tgt Ion: 136 Resp: 560132

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.9 7.4 11.0

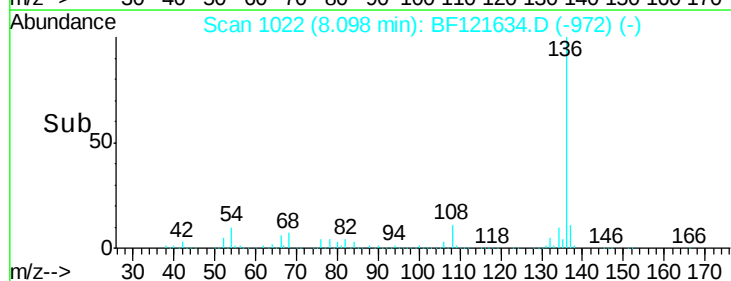
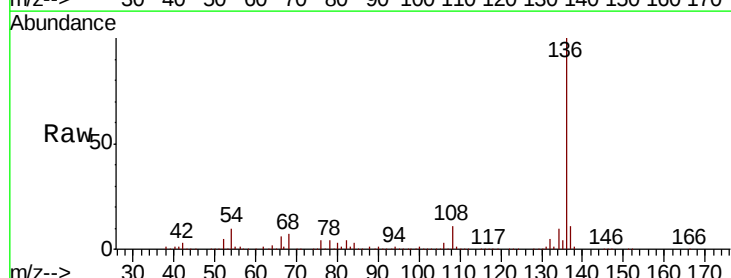
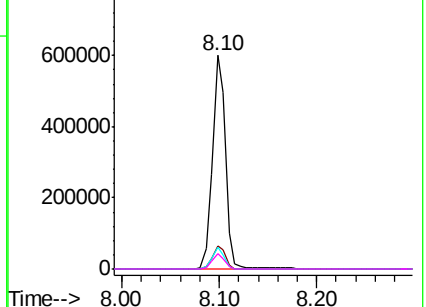
68 7.1 5.3 7.9

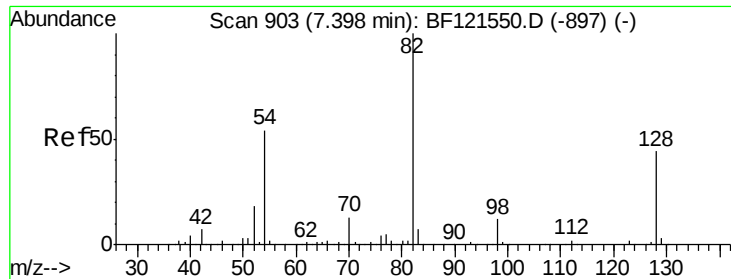
Abundance Ion 136.00 (135.70 to 136.70): E

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





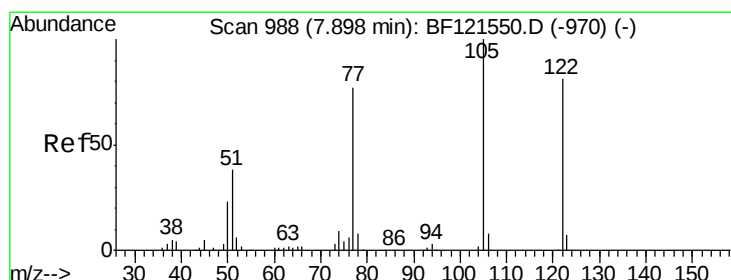
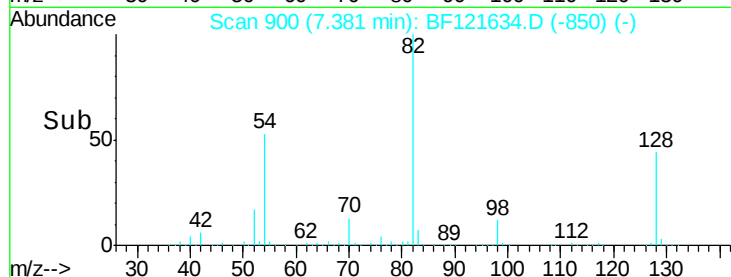
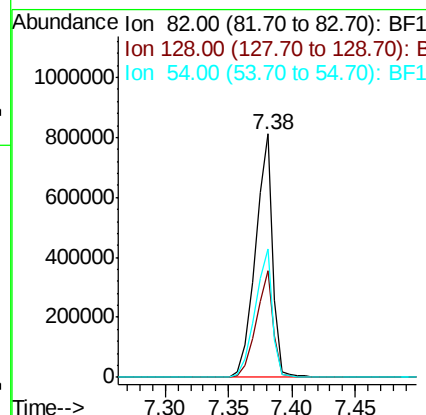
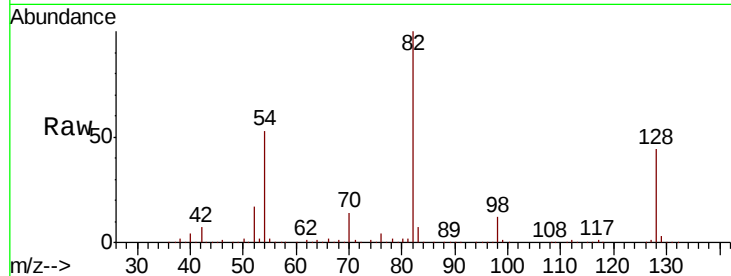
#23
Nitrobenzene-d5
Concen: 73.758 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.9	50.9
54	52.6	42.9	64.3

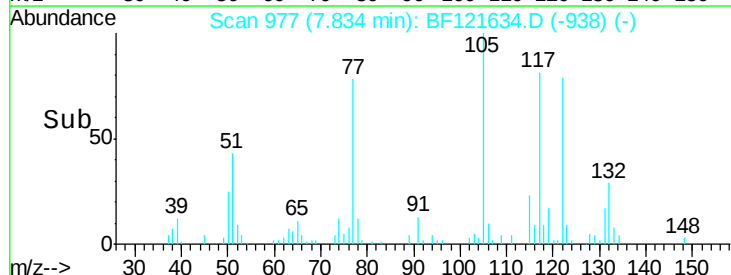
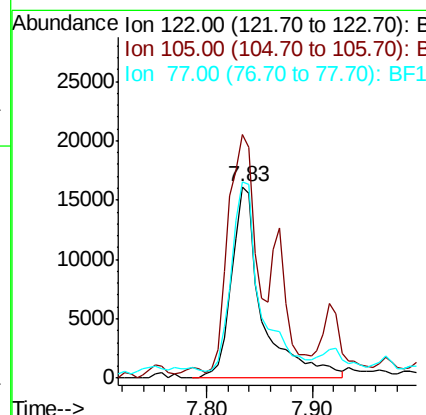
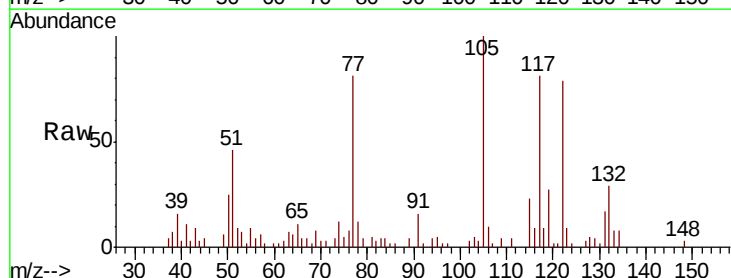
Manual Integrations
APPROVED

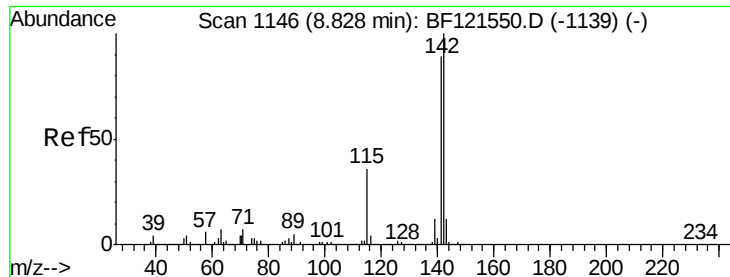
mohammad
9/22/2020 10:09:00 AM



#32
Benzoic acid
Concen: 10.860 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.07 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.4	101.9	141.9
77	102.6	69.0	109.0





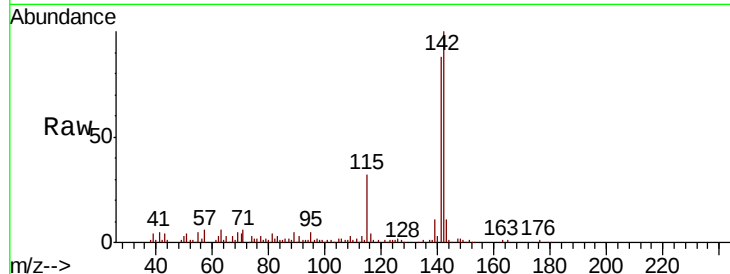
#37
2-Methylnaphthalene
Concen: 5.293 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Instrument :
BNA_F
ClientSampled :
WC-1

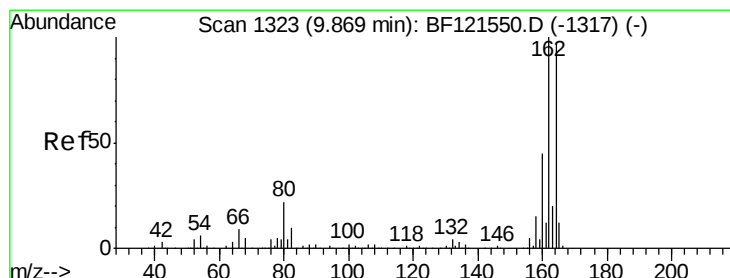
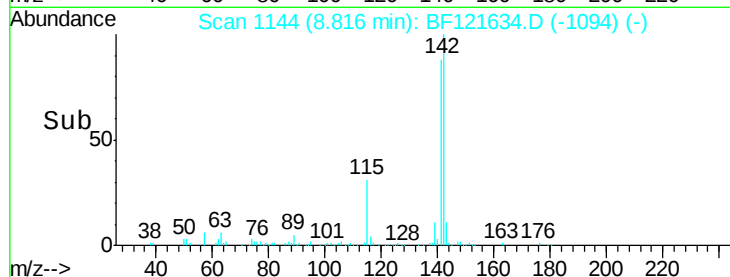
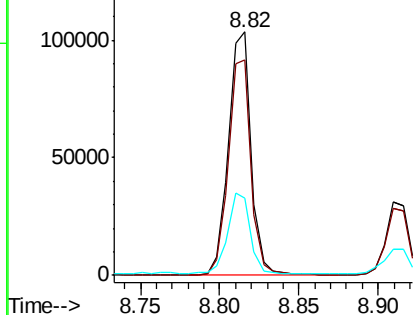
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.2	108.2
115	31.8	28.5	42.7

Manual Integrations
APPROVED

mohammad
9/22/2020 10:09:00 AM

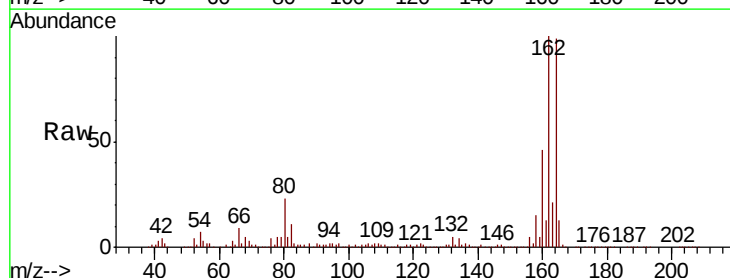


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

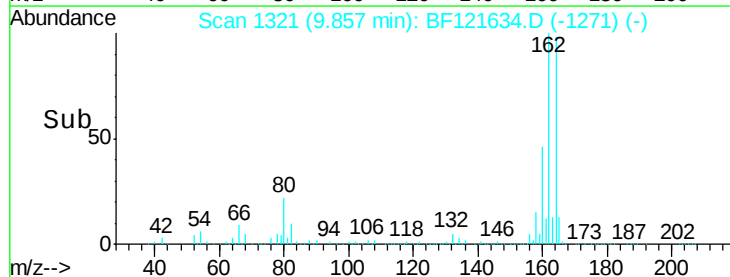
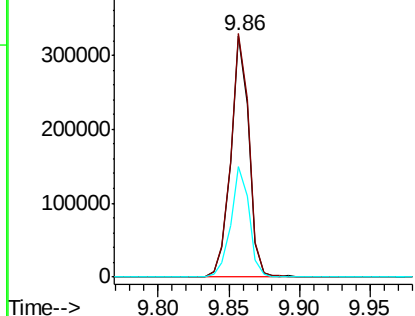


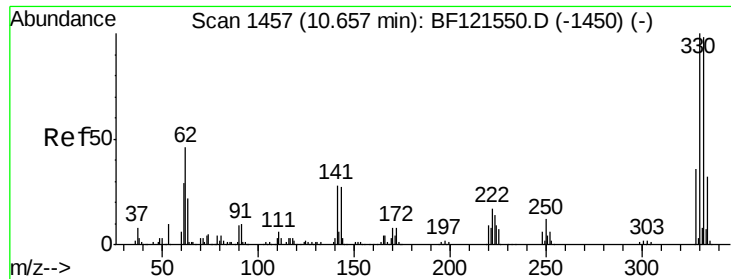
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.2	121.8
160	45.9	36.2	54.4



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





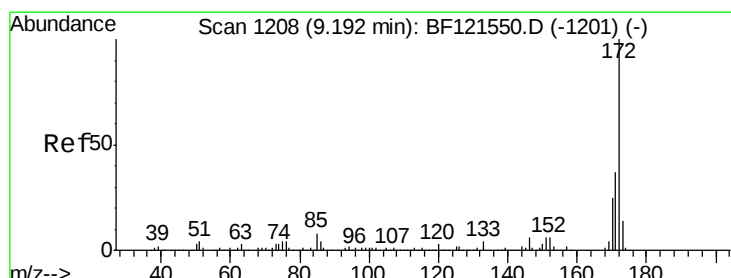
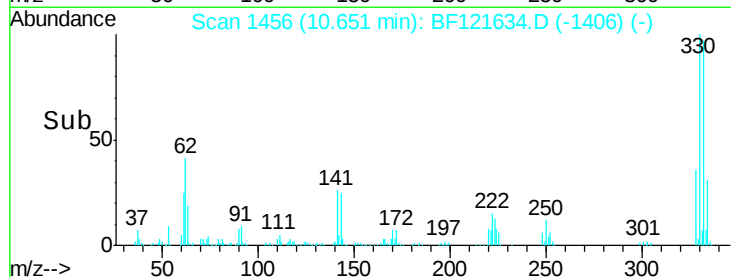
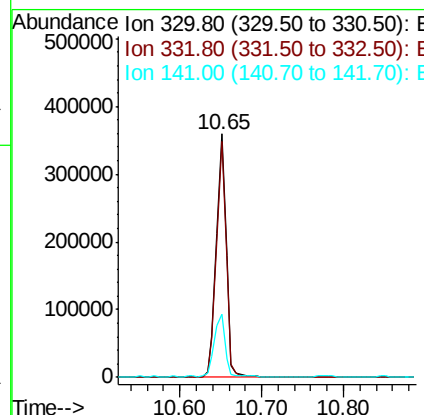
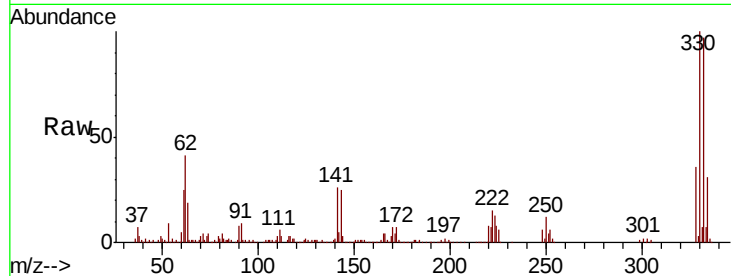
#42
 2,4,6-Tribromophenol
 Concen: 85.172 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF121634.D
 Acq: 21 Sep 2020 19:08

Instrument :
 BNA_F
 ClientSampled :
 WC-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	305533		
332	95.8	76.9	115.3	
141	27.6	22.4	33.6	

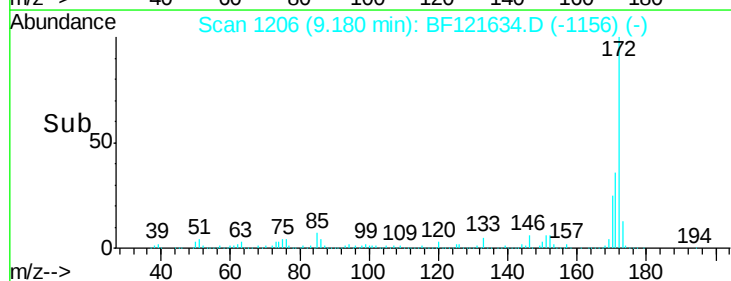
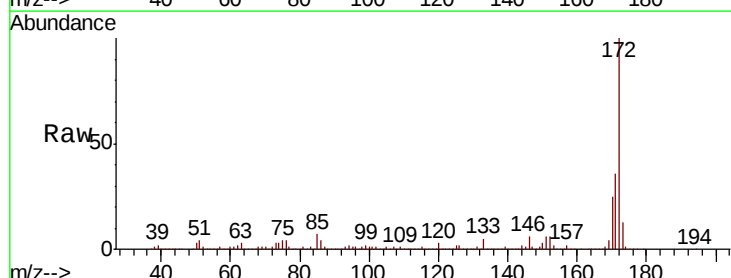
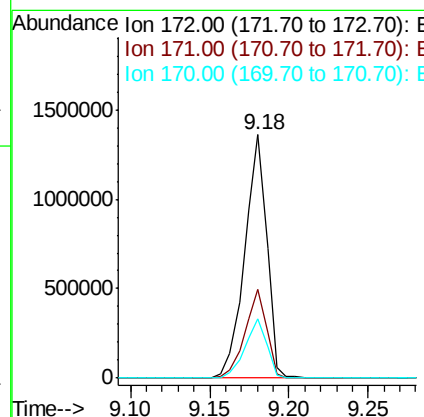
Manual Integrations
 APPROVED

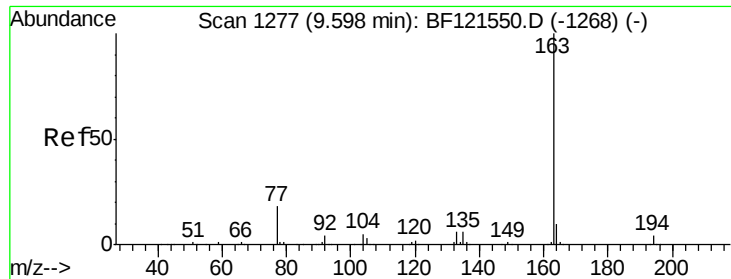
mohammad
 9/22/2020 10:09:00 AM



#45
 2-Fluorobiphenyl
 Concen: 68.751 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF121634.D
 Acq: 21 Sep 2020 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1310202		
171	36.2	29.3	43.9	
170	24.5	19.5	29.3	





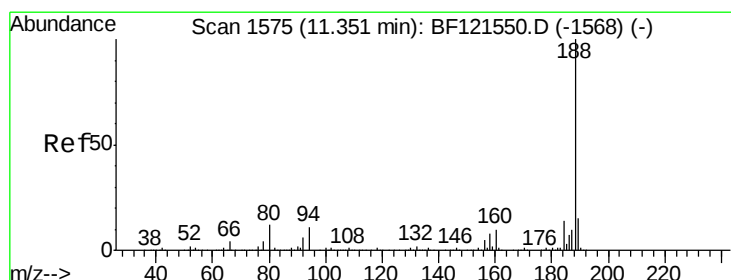
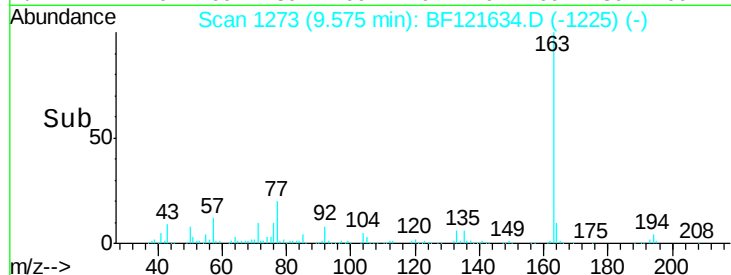
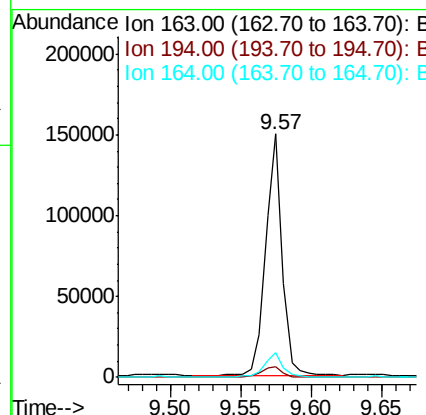
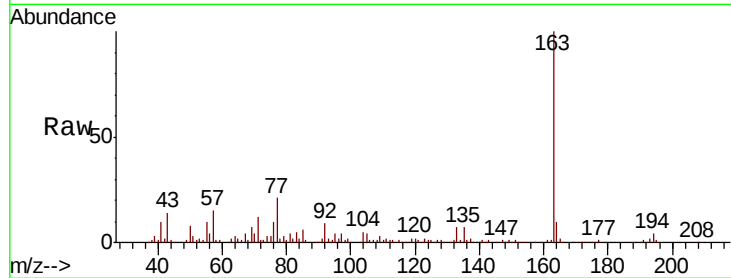
#50
Dimethylphthalate
Concen: 5.911 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.0	8.0	12.0

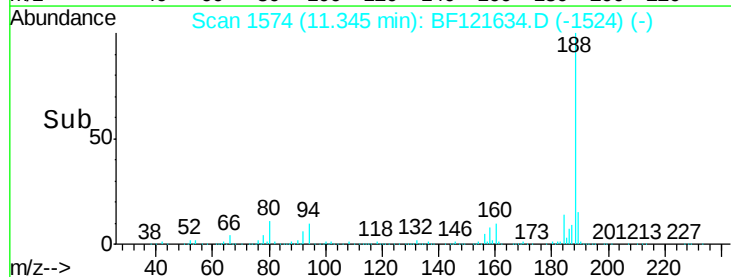
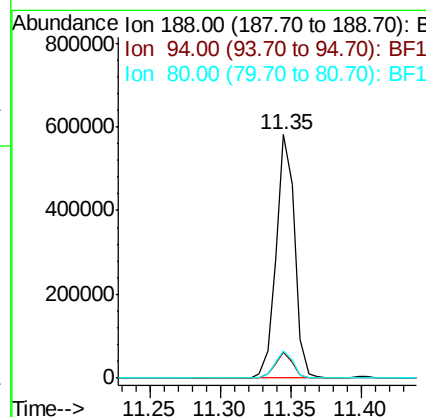
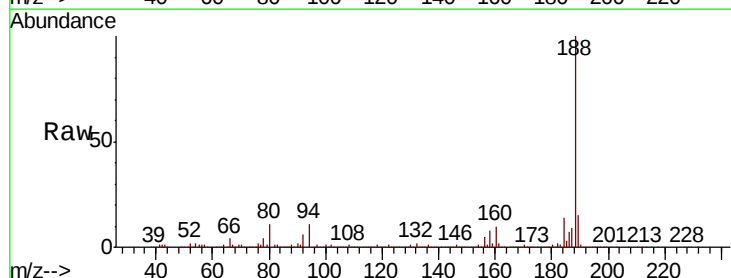
Manual Integrations
APPROVED

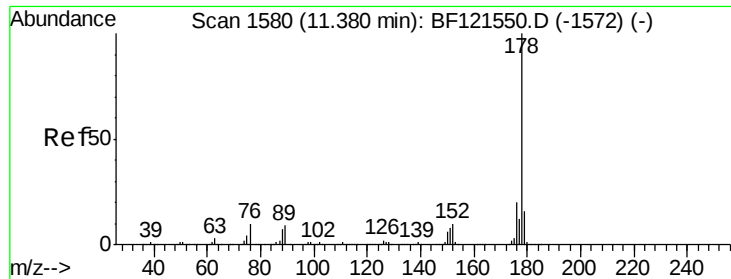
mohammad
9/22/2020 10:09:00 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.4	12.6
80	11.4	9.0	13.4





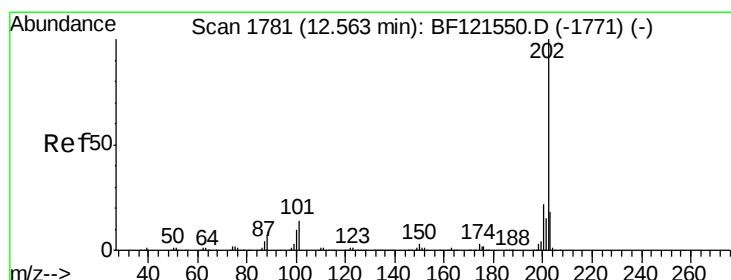
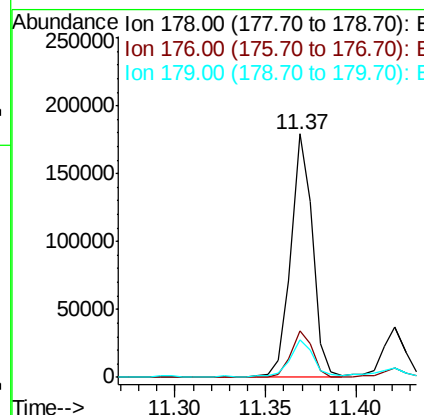
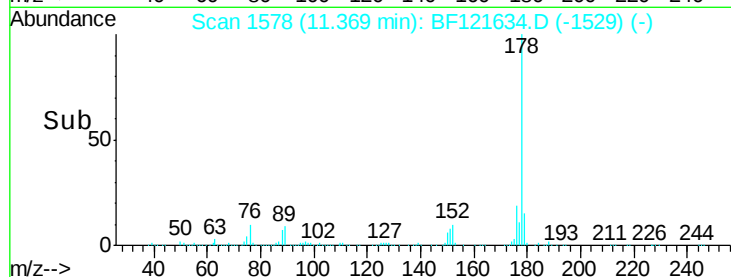
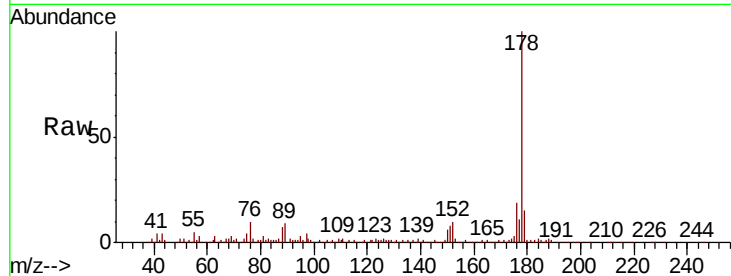
#71
Phenanthrene
Concen: 5.127 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	15.4	12.6	18.8

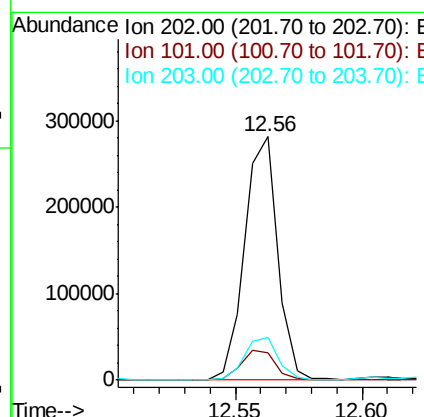
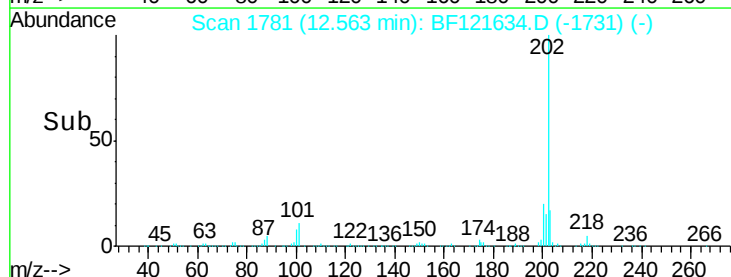
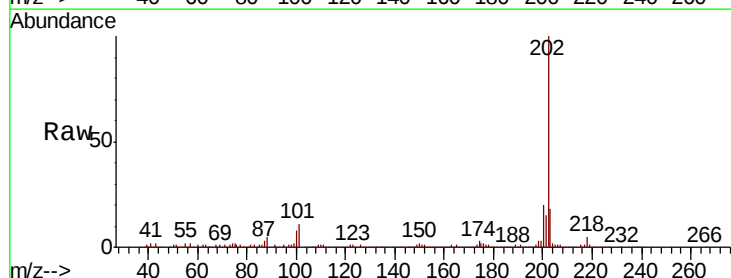
Manual Integrations
APPROVED

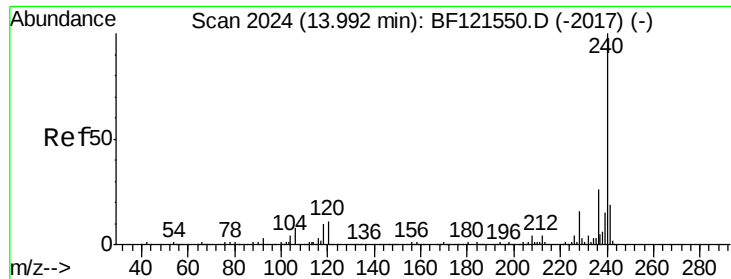
mohammad
9/22/2020 10:09:00 AM



#75
Fluoranthene
Concen: 8.147 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.9
203	17.6	0.0	37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF121634.D

Acq: 21 Sep 2020 19:08

Instrument :

BNA_F

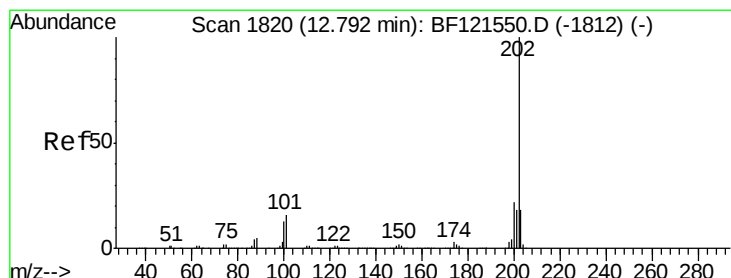
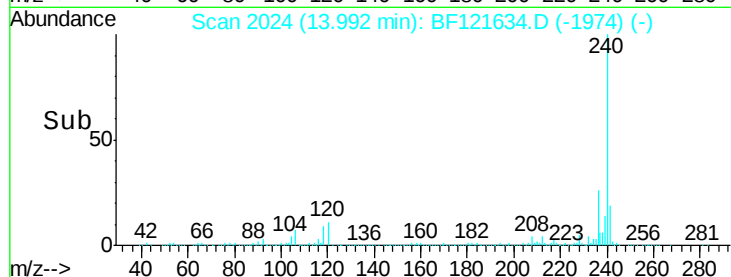
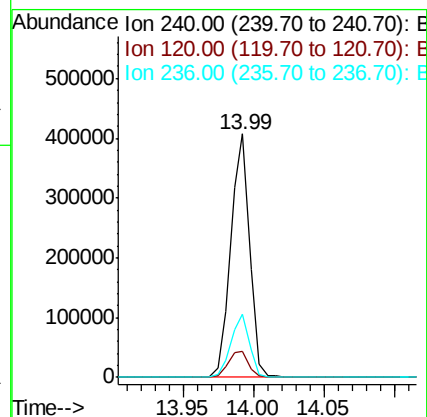
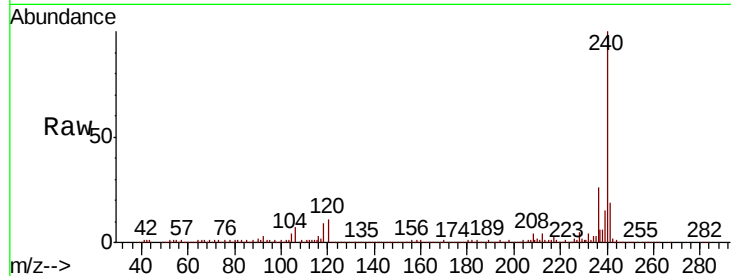
ClientSampled :

WC-1

Tot Ion:	240	Resp:	376040
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.2	13.8
236	25.8	20.4	30.6

Manual Integrations
APPROVED

mohammad
9/22/2020 10:09:00 AM



#78

Pyrene

Concen: 8.167 ng

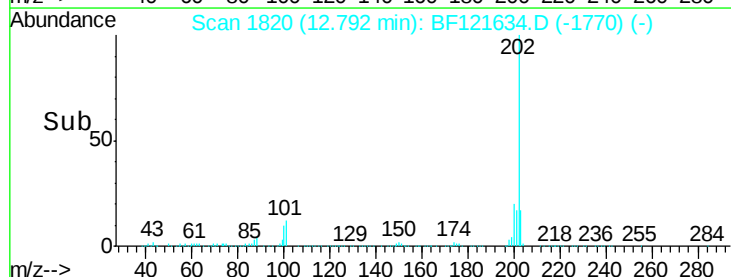
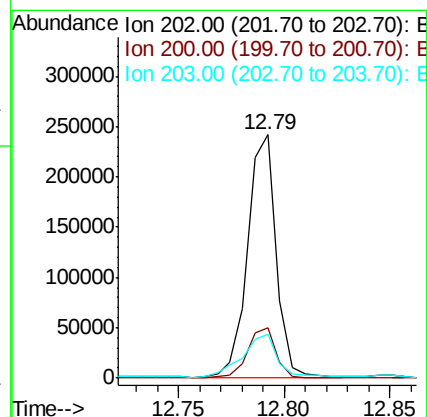
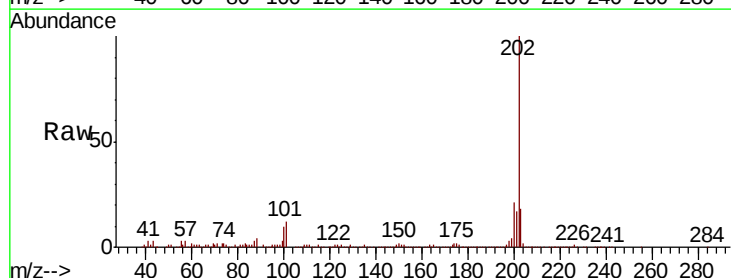
RT: 12.79 min Scan# 1820

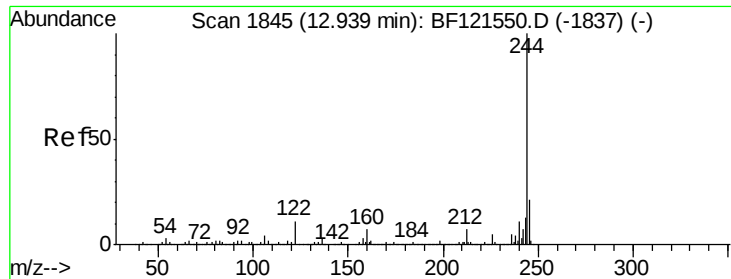
Delta R.T. -0.01 min

Lab File: BF121634.D

Acq: 21 Sep 2020 19:08

Tgt Ion:	202	Resp:	224373
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.8	26.6
203	17.9	14.4	21.6





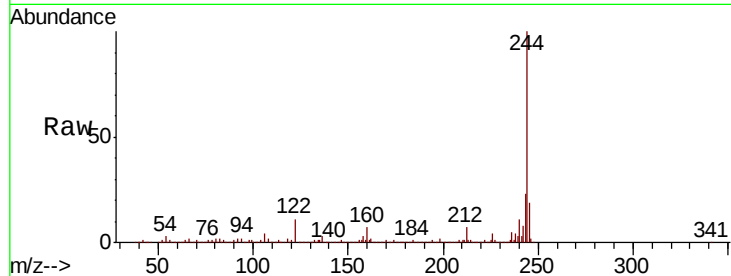
#79
 Terphenyl-d14
 Concen: 70.617 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF121634.D
 Acq: 21 Sep 2020 19:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

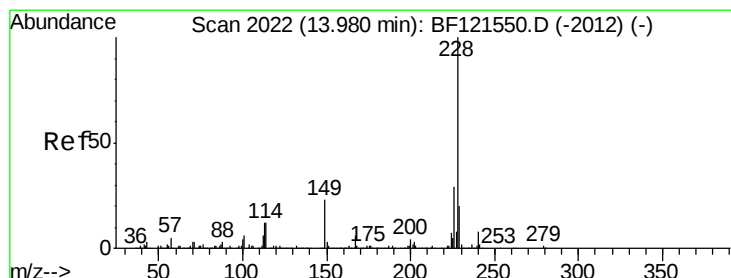
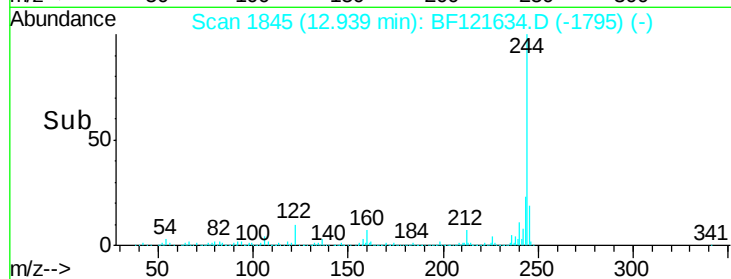
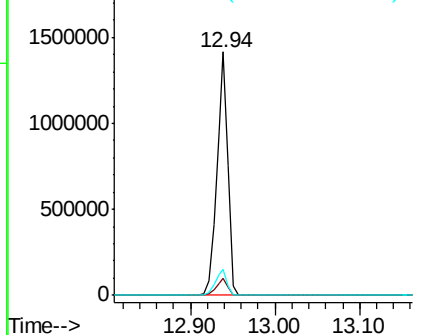
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	10.5	7.4	11.0

Manual Integrations
 APPROVED

mohammad
 9/22/2020 10:09:00 AM

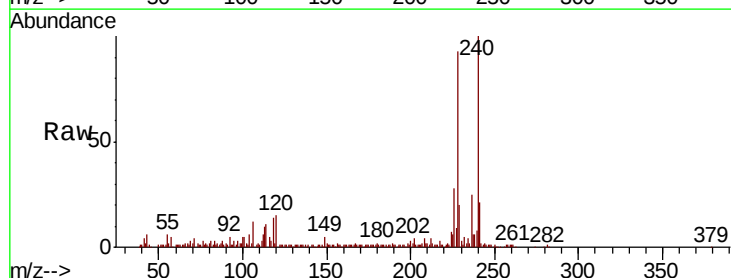


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

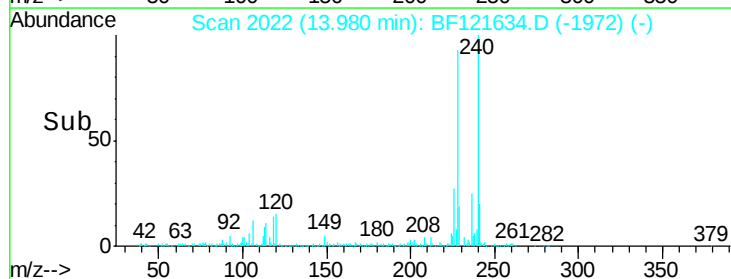
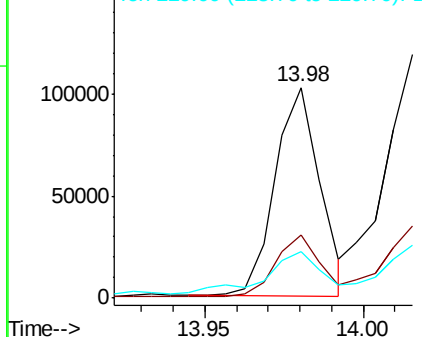


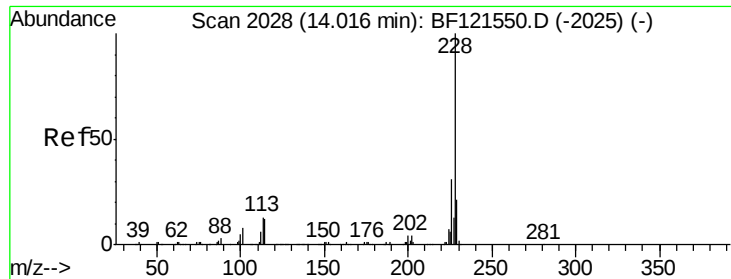
#81
 Benzo(a)anthracene
 Concen: 4.250 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF121634.D
 Acq: 21 Sep 2020 19:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	21.8	16.2	24.2



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





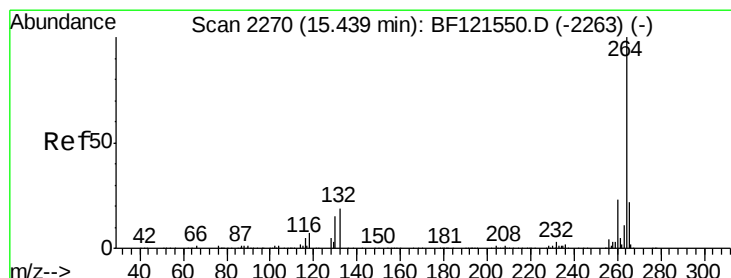
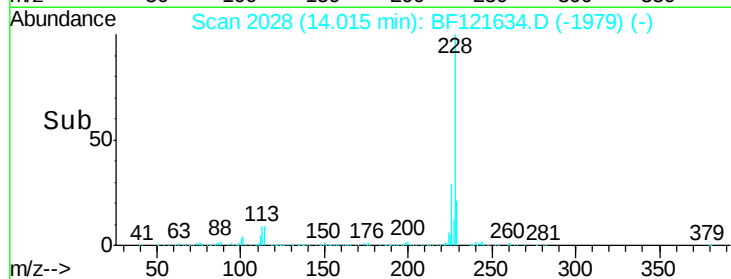
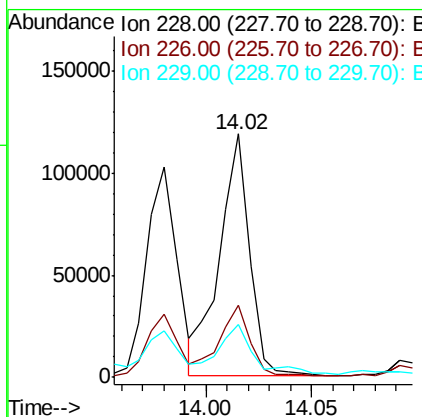
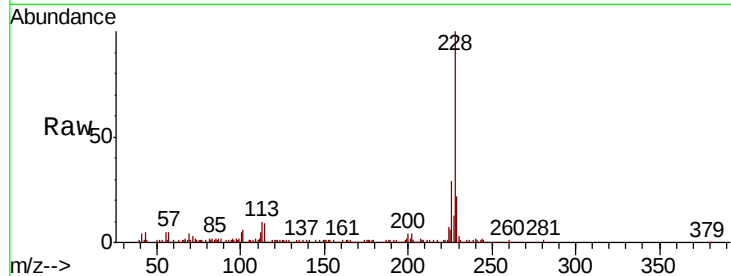
#83
Chrysene
Concen: 4.870 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.4
229	21.8	16.0	24.0

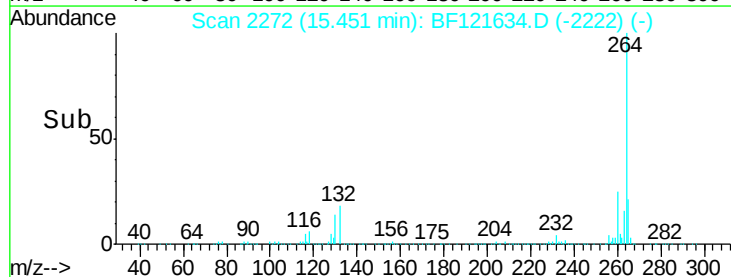
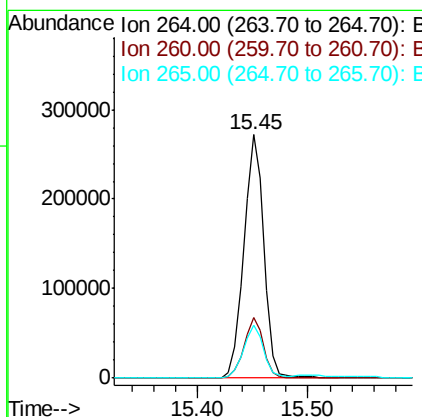
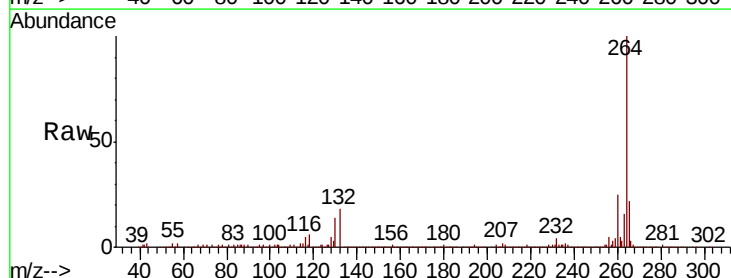
Manual Integrations
APPROVED

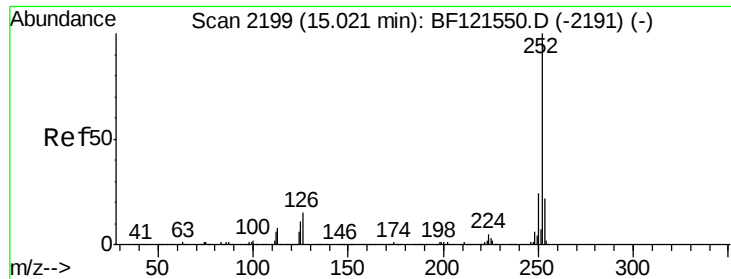
mohammad
9/22/2020 10:09:00 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.8	28.2
265	21.5	17.3	25.9





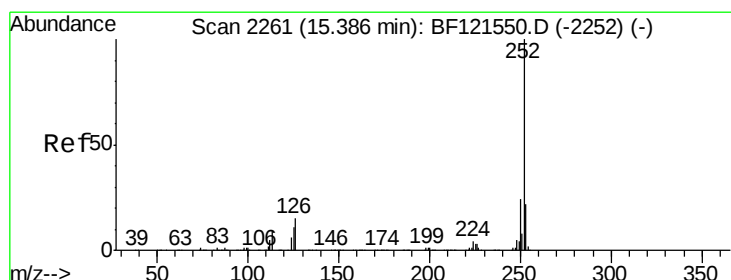
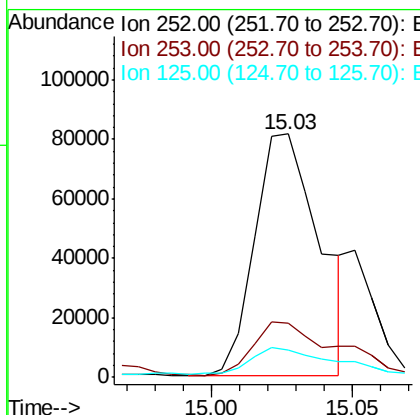
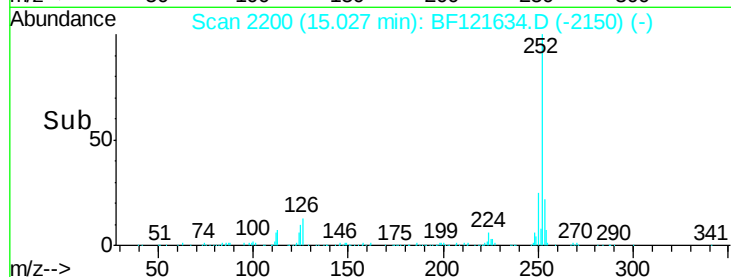
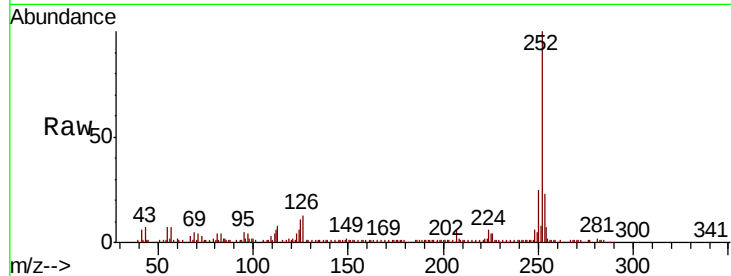
#88
Benzo(b)fluoranthene
Concen: 5.624 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	11.1	8.5	12.7

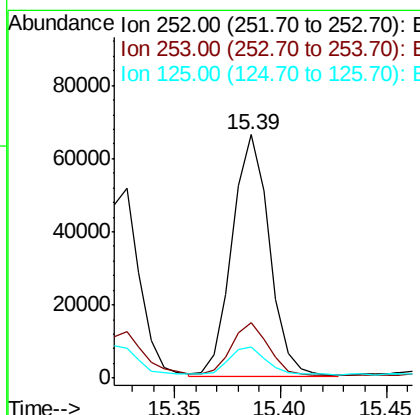
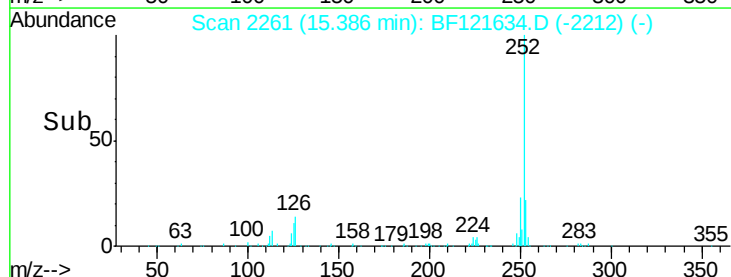
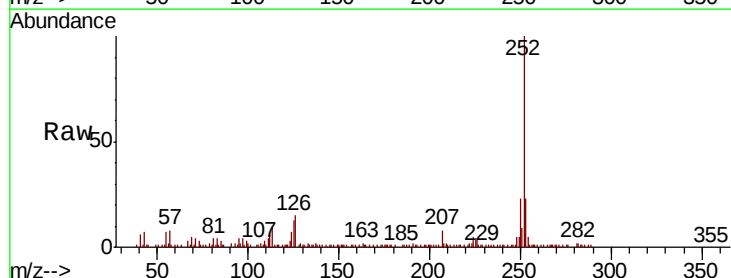
Manual Integrations
APPROVED

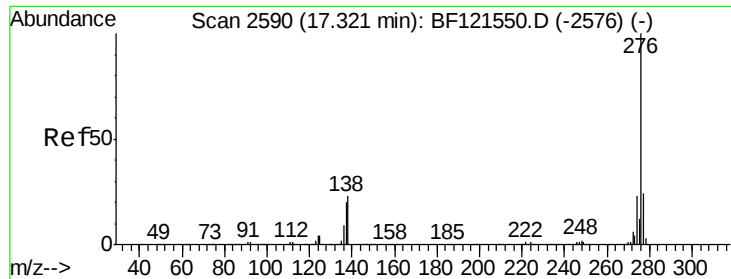
mohammad
9/22/2020 10:09:00 AM



#90
Benzo(a)pyrene
Concen: 4.098 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF121634.D
Acq: 21 Sep 2020 19:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	12.6	9.1	13.7





#92
 Benzo(a,h,i)perylene
 Concen: 3.592 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. -0.02 min
 Lab File: BF121634.D
 Acq: 21 Sep 2020 19:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tot Ion:	276	Resp:	66396
Ion Ratio	Lower	Upper	
276	100		
277	26.7	19.3	28.9
138	22.7	16.9	25.3

Manual Integrations
 APPROVED

mohammad
 9/22/2020 10:09:00 AM

