

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121119.D
 Acq On : 30 Jul 2020 00:04
 Operator : JU/CG
 Sample : L3436-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Manual Integrations
 APPROVED

mohammad
 7/30/2020 3:34:04 PM

Quant Time: Jul 30 03:42:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	173738	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	642412	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	306320	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	509763	20.00	ng	0.01
76) Chrysene-d12	13.97	240	430961	20.00	ng	0.00
86) Perylene-d12	15.43	264	361947	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	173818	16.40	ng	0.00
7) Phenol-d6	6.44	99	207697	15.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	111467	10.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	39714	11.84	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	246611	12.02	ng	0.00
79) Terphenyl-d14	12.91	244	216978	10.94	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	304832	11.627	ng	99
72) Anthracene	11.40	178	109030	4.142	ng	99
75) Fluoranthene	12.54	202	527212	18.142	ng	99
78) Pyrene	12.77	202	526417	17.277	ng	98
81) Benzo(a)anthracene	13.96	228	239881	9.192	ng	95
83) Chrysene	13.99	228	224785	8.196	ng	97
87) Indeno(1,2,3-cd)pyrene	16.86	276	77722	3.088	ng	97
88) Benzo(b)fluoranthene	15.00	252	234713m	10.728	ng	
89) Benzo(k)fluoranthene	15.03	252	60282m	3.021	ng	
90) Benzo(a)pyrene	15.36	252	157101	7.870	ng	97
92) Benzo(g,h,i)perylene	17.29	276	74639	3.682	ng	96

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

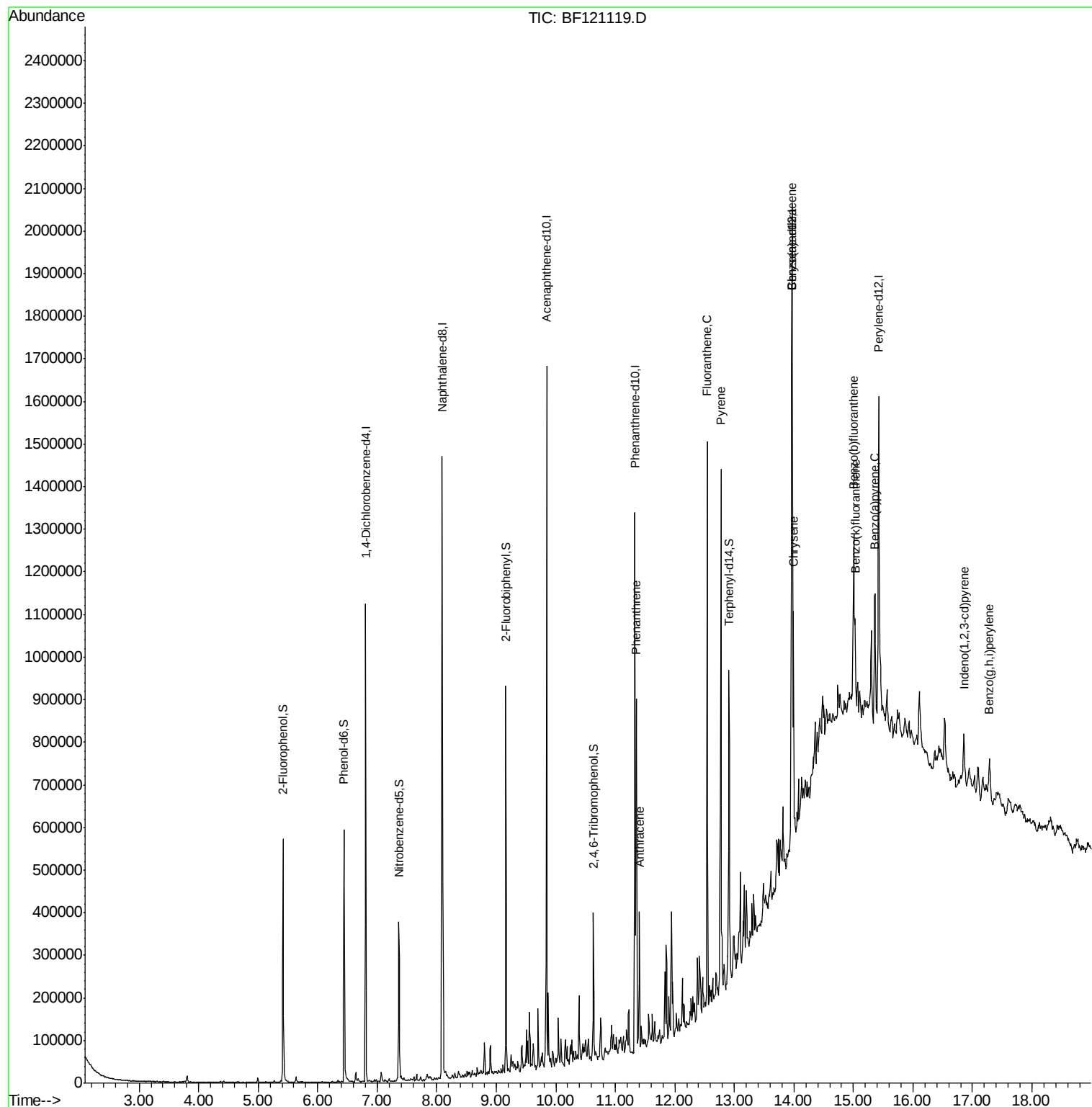
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121119.D
Acq On : 30 Jul 2020 00:04
Operator : JU/CG
Sample : L3436-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

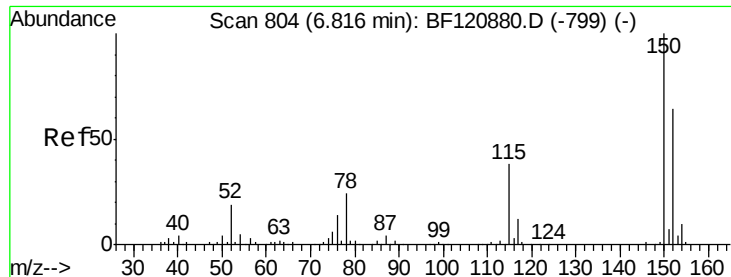
Instrument :
BNA_F
ClientSampleId :
1

Manual Integrations
APPROVED

mohammad
7/30/2020 3:34:04 PM

Quant Time: Jul 30 03:42:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 14:55:43 2020
Response via : Initial Calibration





#1

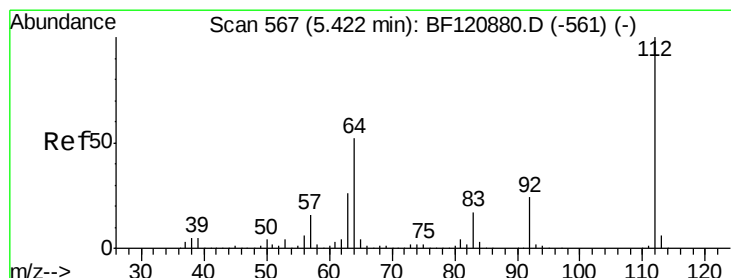
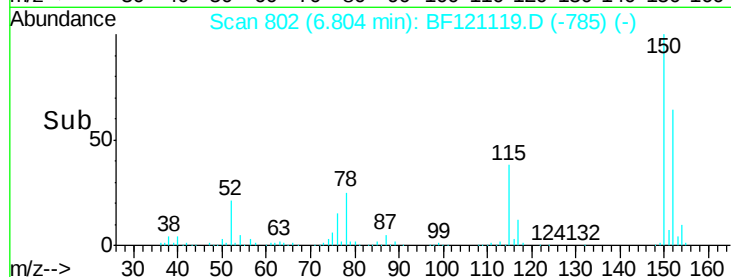
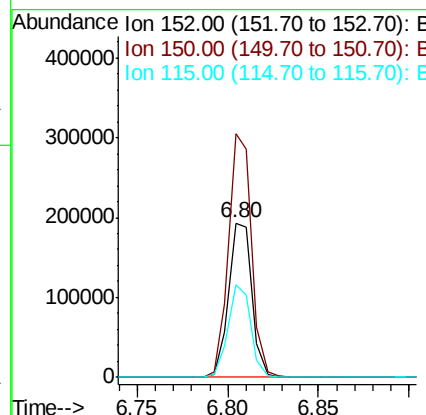
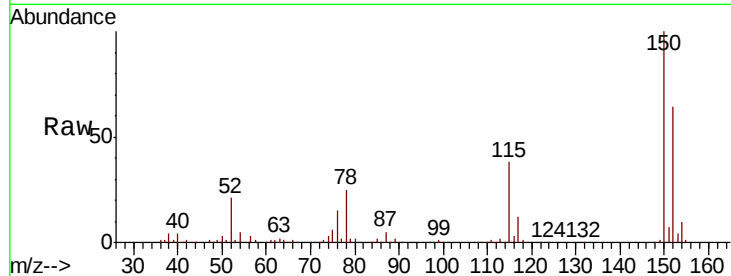
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	125.6	188.4
115	59.9	46.2	69.2

Manual Integrations
APPROVED

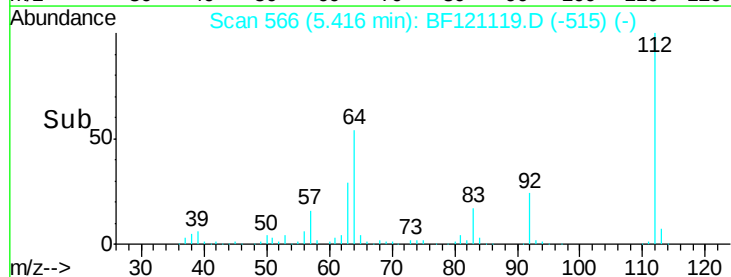
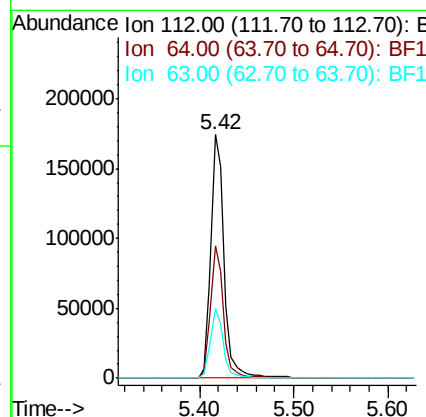
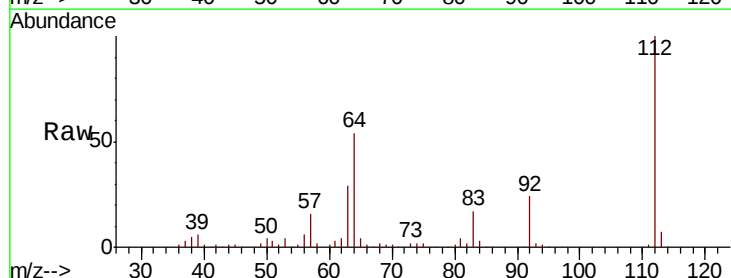
mohammad
7/30/2020 3:34:04 PM

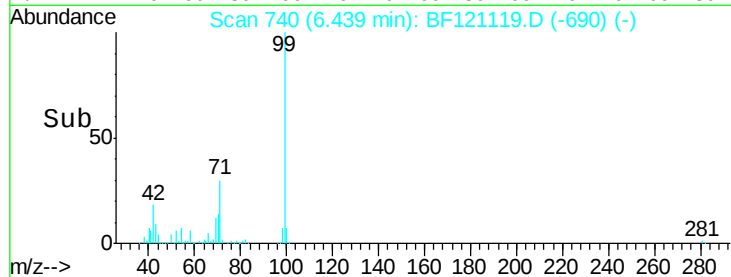
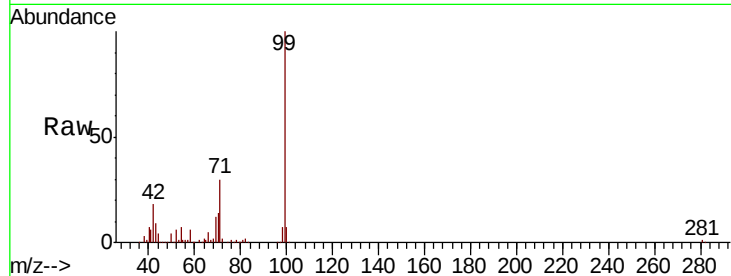


#5

2-Fluorophenol
Concen: 16.401 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	43.9	65.9
63	28.6	22.7	34.1





#7

Phenol-d6

Concen: 15.172 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		207697		
42	17.5	13.5	20.3		
71	30.5	25.0	37.4		

Instrument :

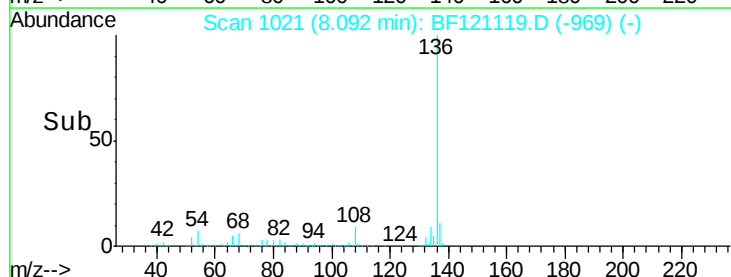
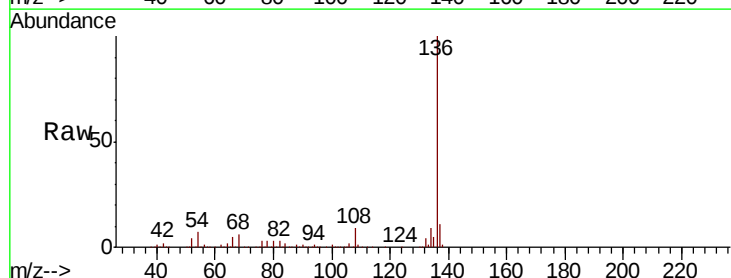
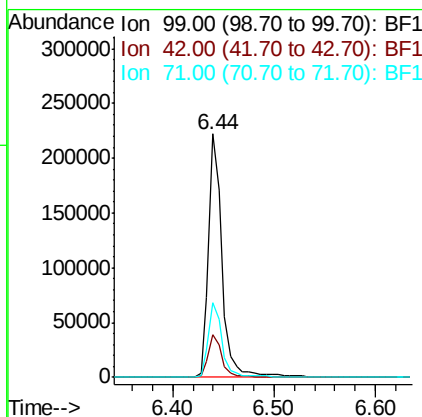
BNA_F

ClientSampleId :

1

Manual Integrations
APPROVED

mohammad
7/30/2020 3:34:04 PM



#21

Naphthalene-d8

Concen: 20.000 ng

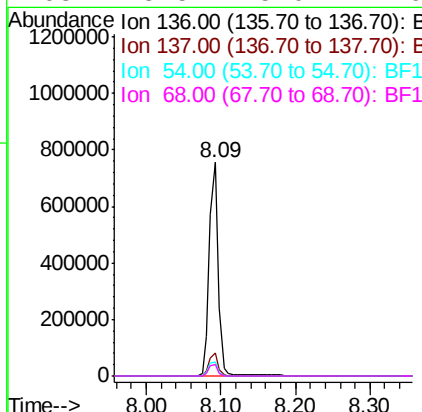
RT: 8.09 min Scan# 1021

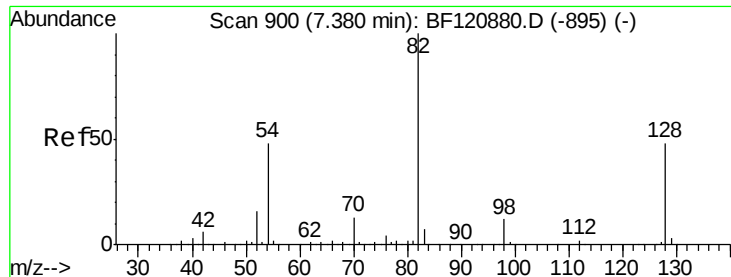
Delta R.T. 0.01 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		642412		
137	10.9	9.0	13.4		
54	6.7	6.1	9.1		
68	5.5	5.0	7.6		





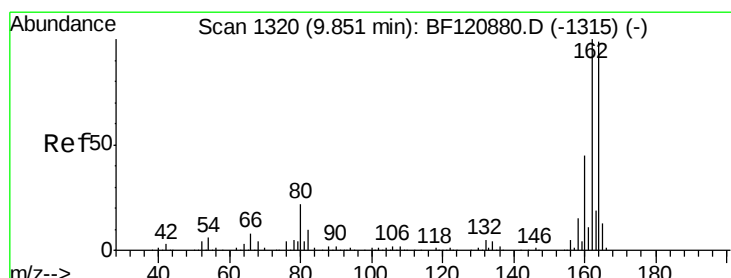
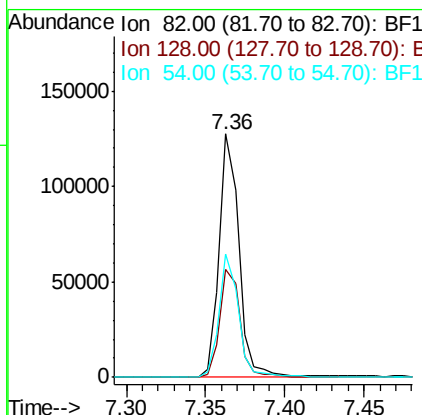
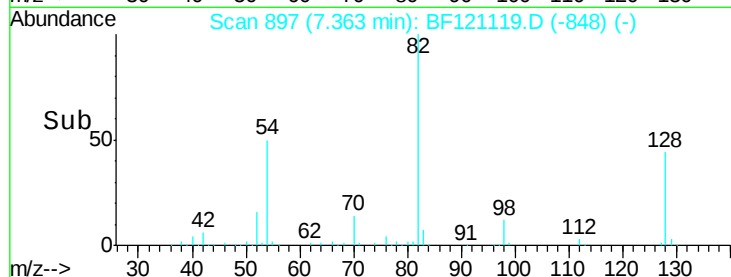
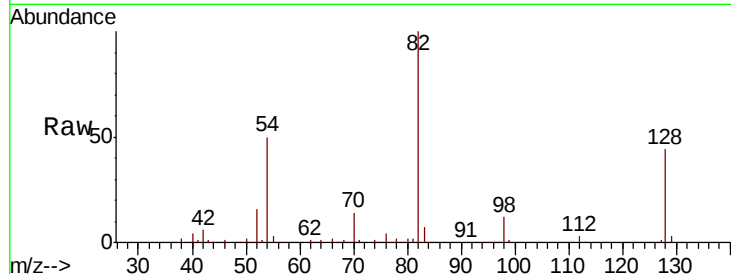
#23
Nitrobenzene-d5
Concen: 10.040 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	39.2	58.8
54	50.4	37.8	56.8

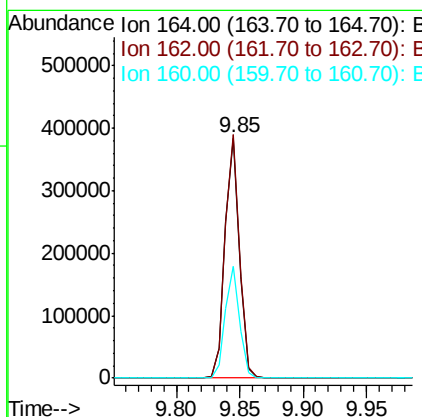
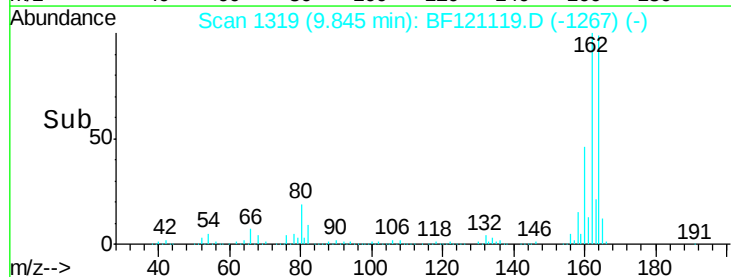
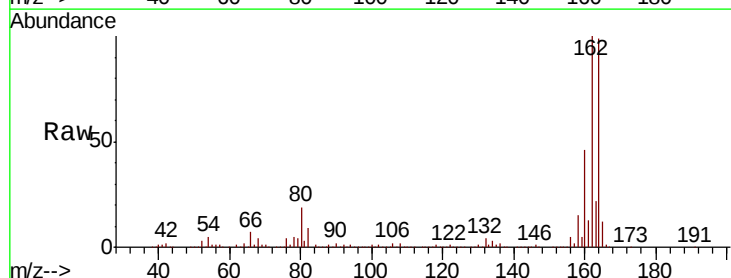
Manual Integrations
APPROVED

mohammad
7/30/2020 3:34:04 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.2
160	46.3	37.2	55.8





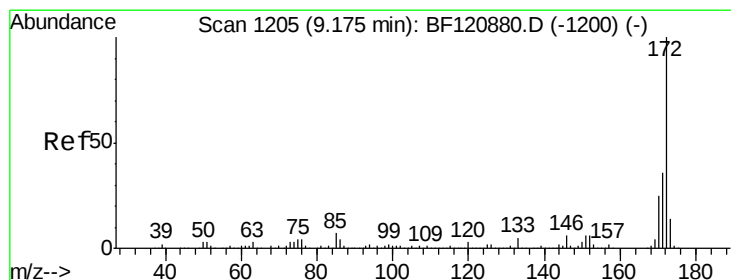
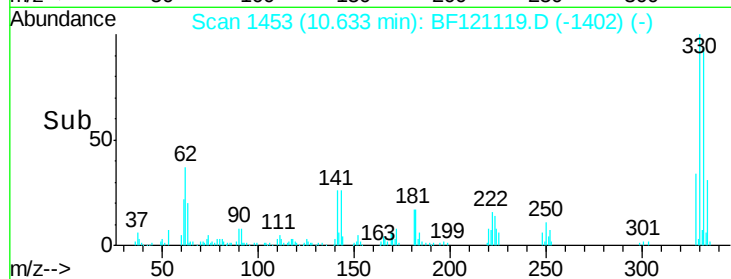
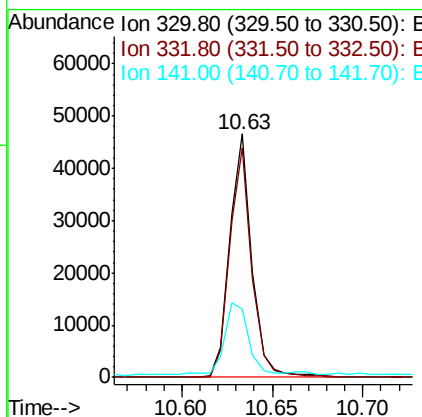
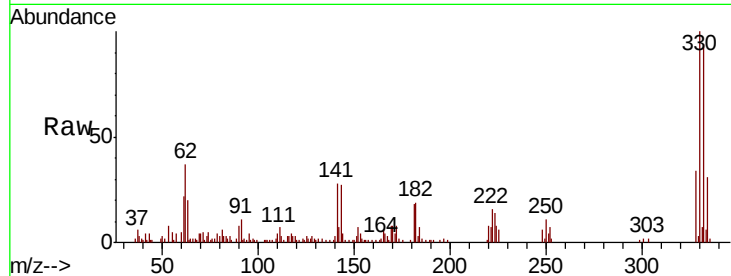
#42
 2,4,6-Tribromophenol
 Concen: 11.844 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF121119.D
 Acq: 30 Jul 2020 00:04

Instrument :
 BNA_F
 ClientSampleId :
 1

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.1	114.1
141	33.2	24.1	36.1

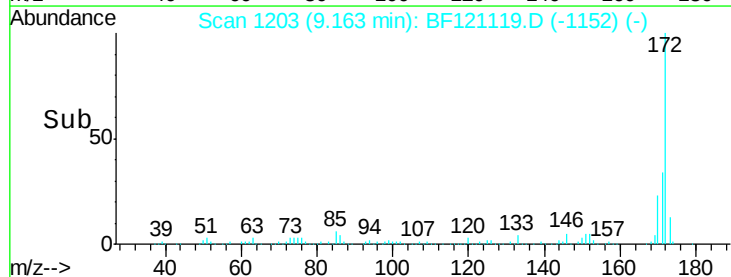
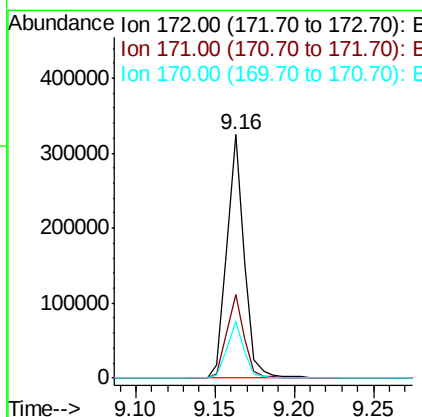
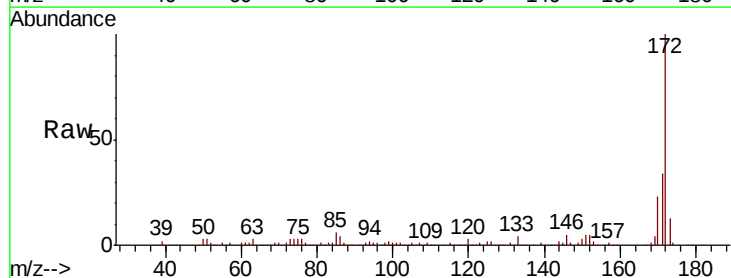
Manual Integrations
 APPROVED

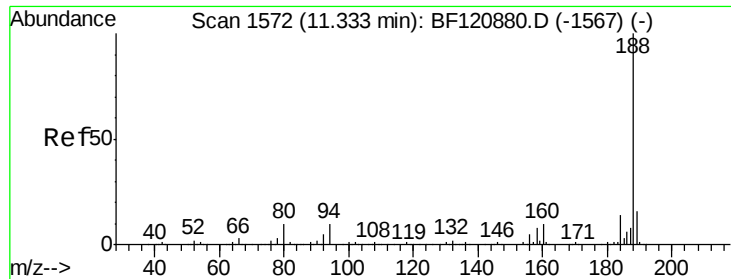
mohammad
 7/30/2020 3:34:04 PM



#45
 2-Fluorobiphenyl
 Concen: 12.020 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF121119.D
 Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.0	43.4
170	23.4	19.6	29.4





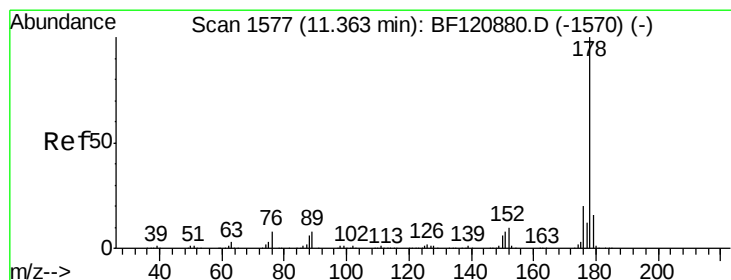
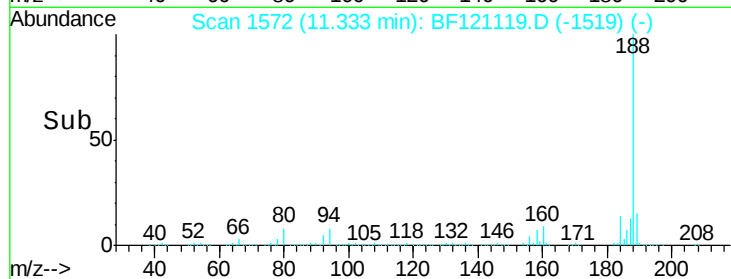
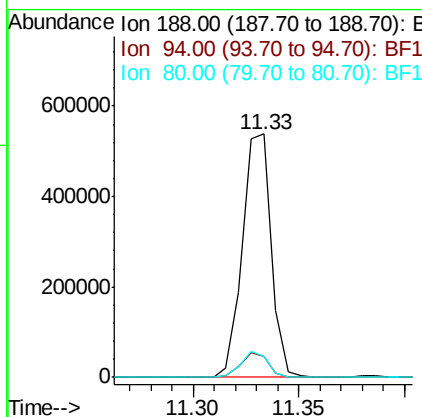
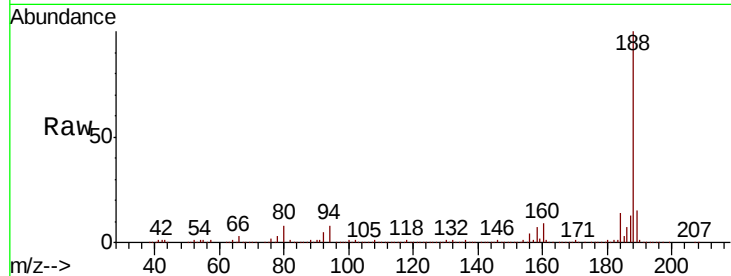
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	509763		
94	8.5		8.0	12.0
80	8.4		8.3	12.5

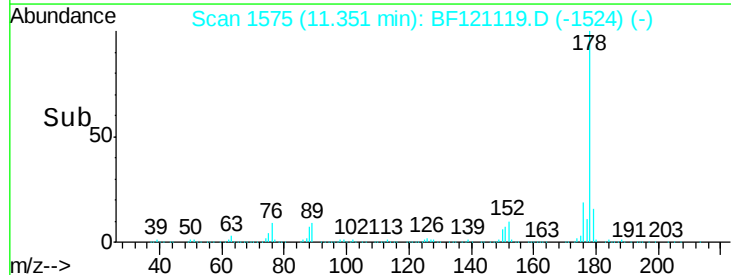
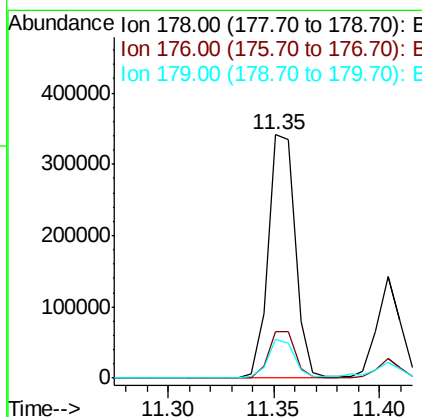
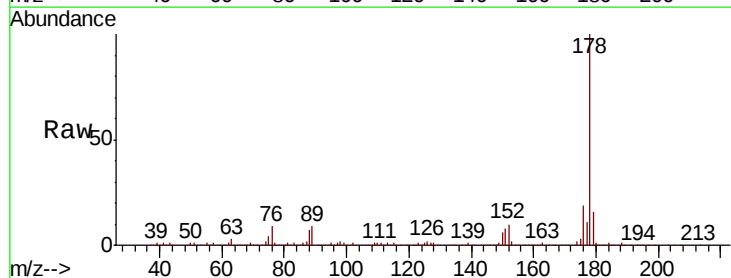
Manual Integrations
APPROVED

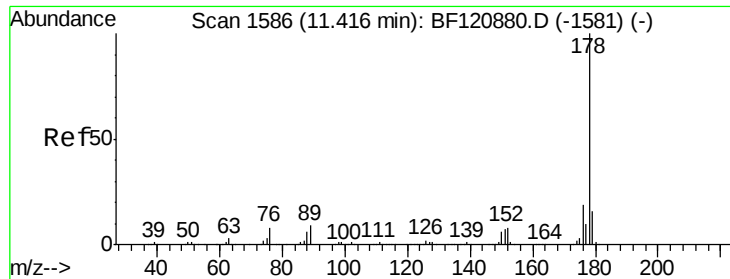
mohammad
7/30/2020 3:34:04 PM



#71
Phenanthrene
Concen: 11.627 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	304832		
176	19.2		16.2	24.2
179	16.0		12.6	19.0





#72

Anthracene

Concen: 4.142 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

Instrument :

BNA_F

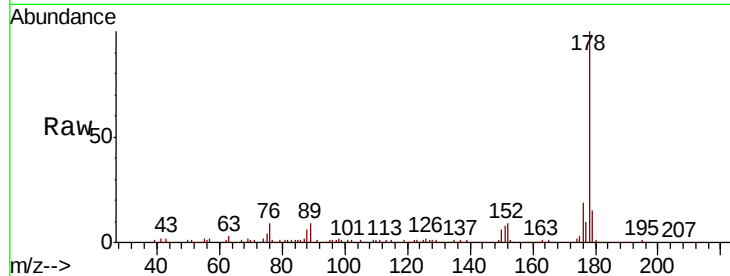
ClientSampled :

1

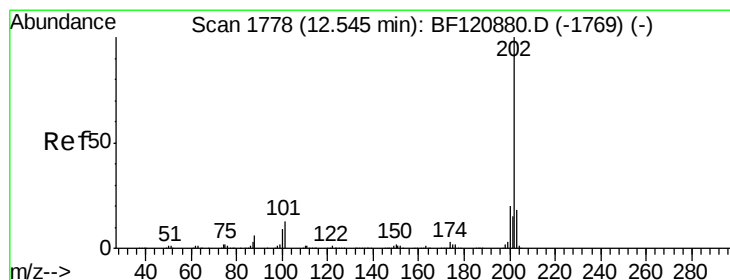
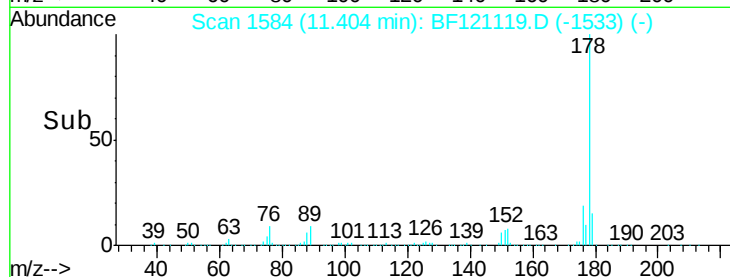
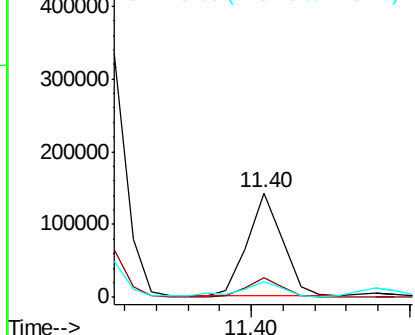
Tot Ion:	178	Resp:	109030
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	15.3	12.6	19.0

Manual Integrations
APPROVED

mohammad
7/30/2020 3:34:04 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 18.142 ng

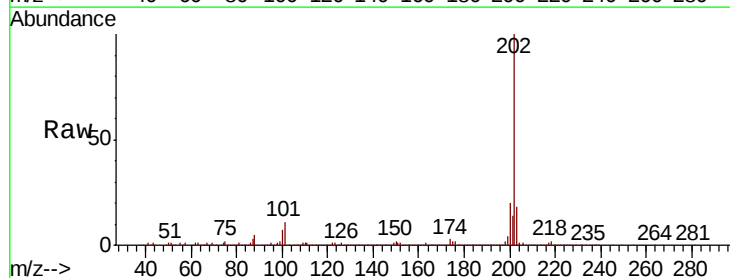
RT: 12.54 min Scan# 1778

Delta R.T. 0.01 min

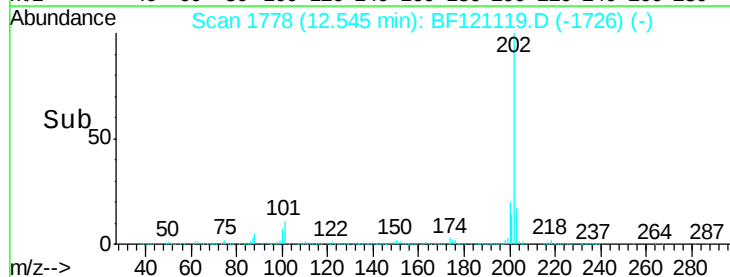
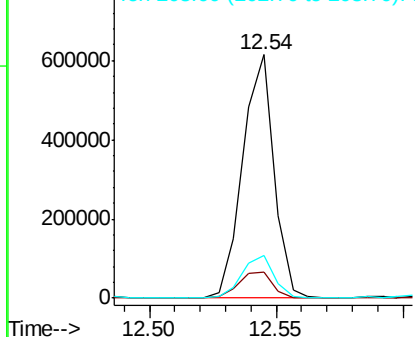
Lab File: BF121119.D

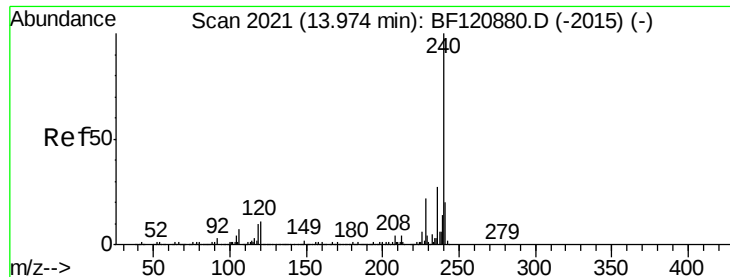
Acq: 30 Jul 2020 00:04

Tgt Ion:	202	Resp:	527212
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	30.5
203	17.5	0.0	37.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





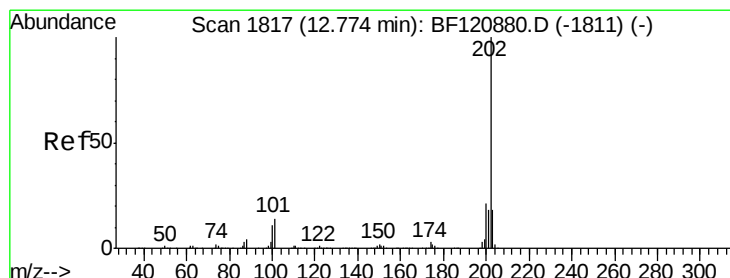
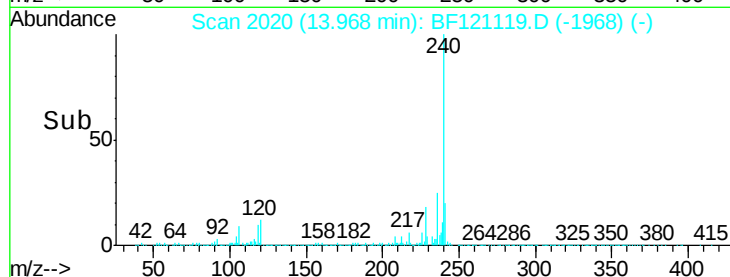
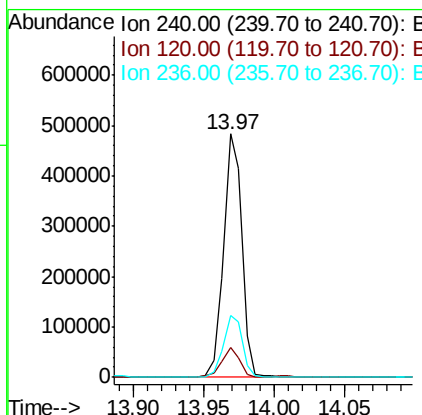
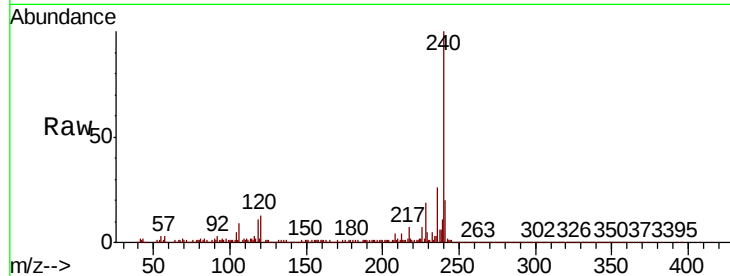
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.3	13.9
236	25.6	21.1	31.7

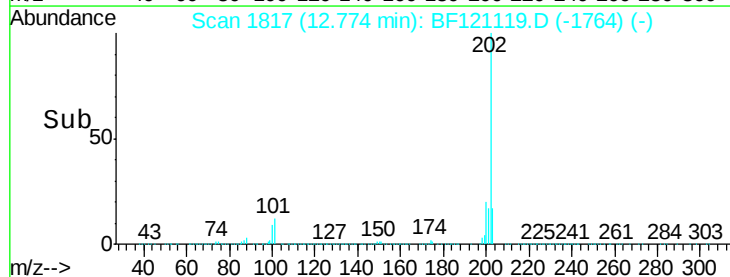
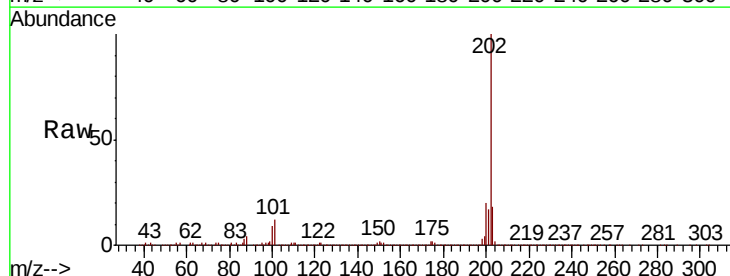
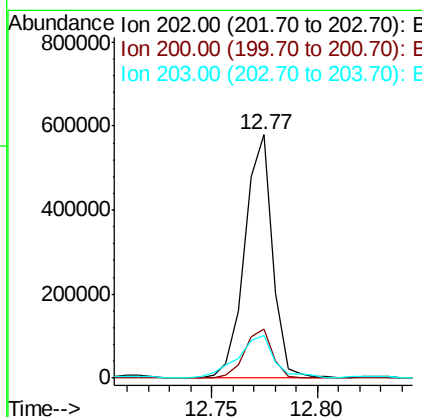
Manual Integrations
APPROVED

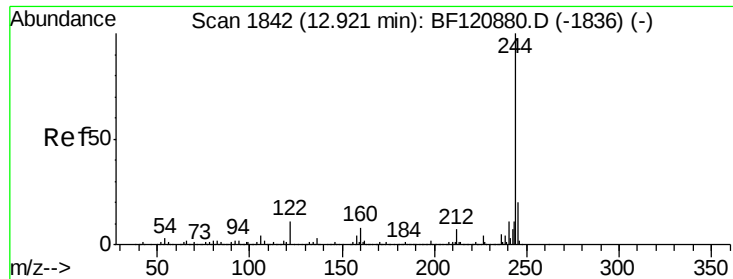
mohammad
7/30/2020 3:34:04 PM



#78
Pyrene
Concen: 17.277 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.6
203	17.7	14.6	21.8





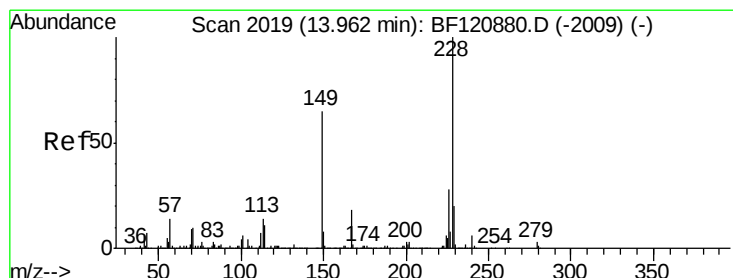
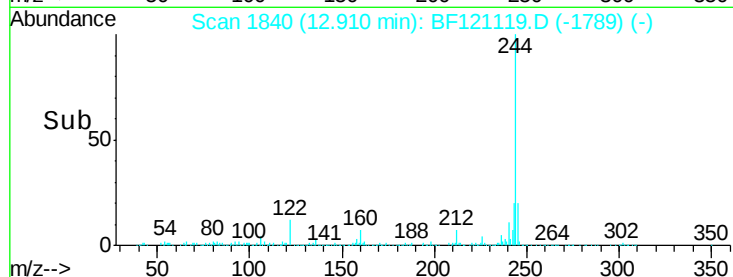
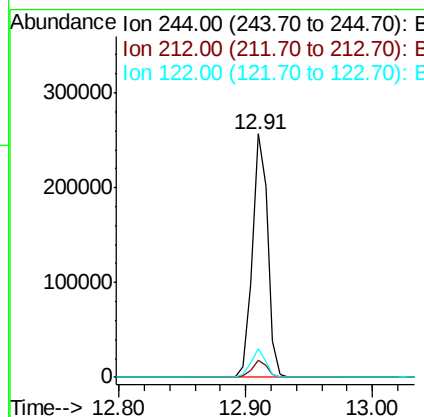
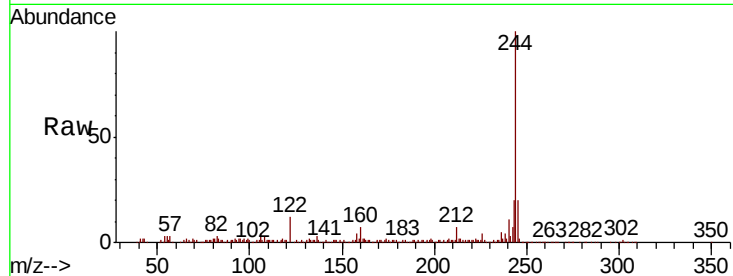
#79
 Terphenyl-d14
 Concen: 10.944 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF121119.D
 Acq: 30 Jul 2020 00:04

Instrument :
 BNA_F
 ClientSampleId :
 1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.8	8.3	12.5

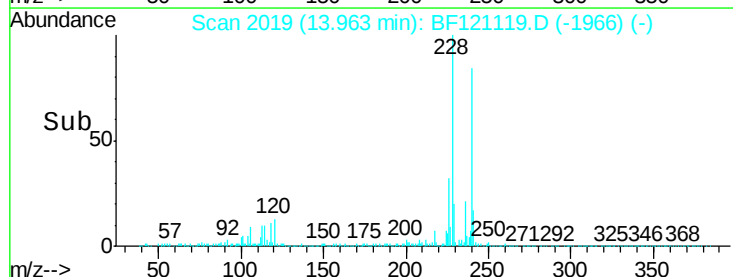
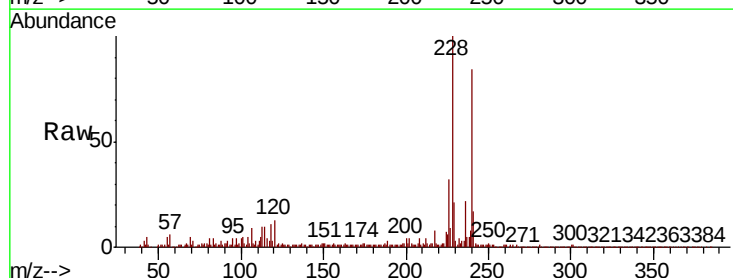
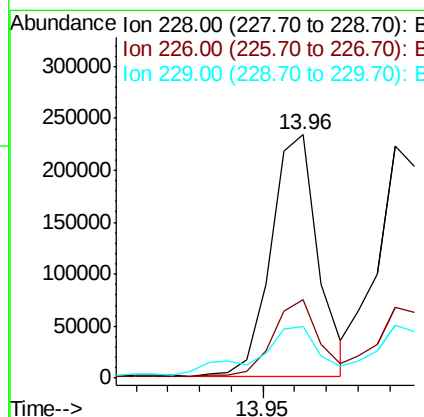
Manual Integrations
 APPROVED

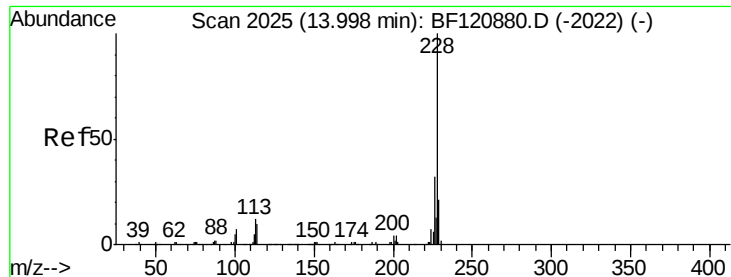
mohammad
 7/30/2020 3:34:04 PM



#81
 Benzo(a)anthracene
 Concen: 9.192 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF121119.D
 Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	34.0
229	21.3	16.1	24.1





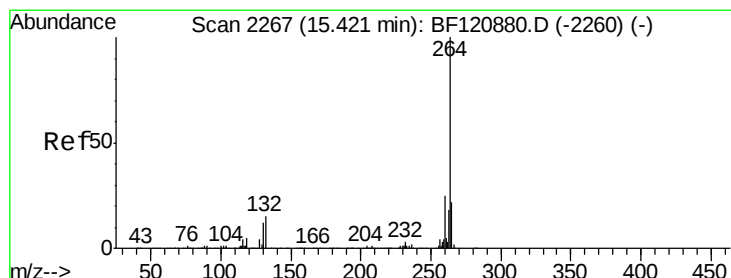
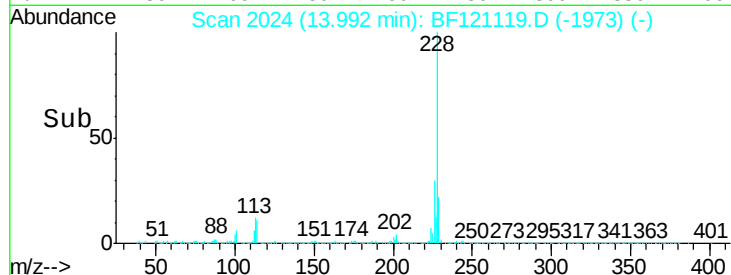
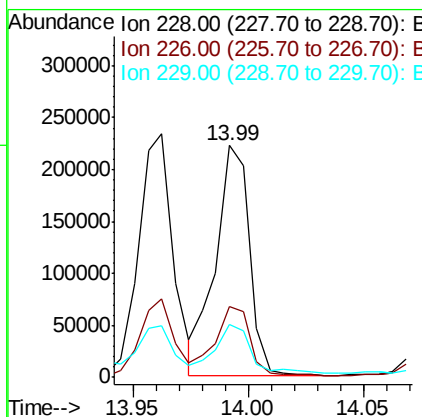
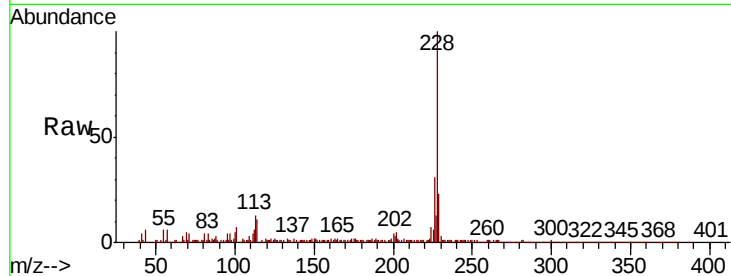
#83
Chrysene
Concen: 8.196 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	22.9	16.2	24.4

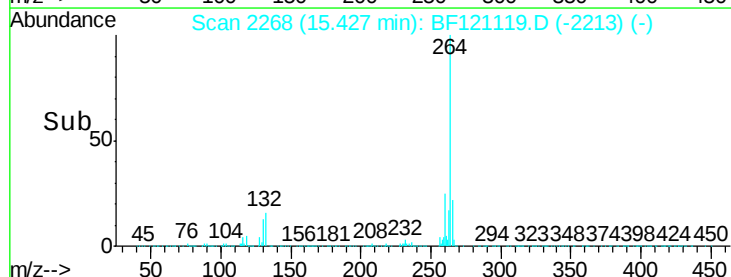
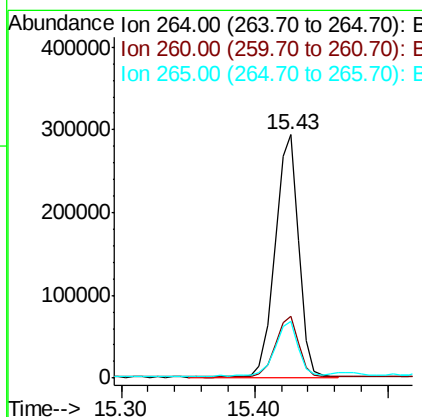
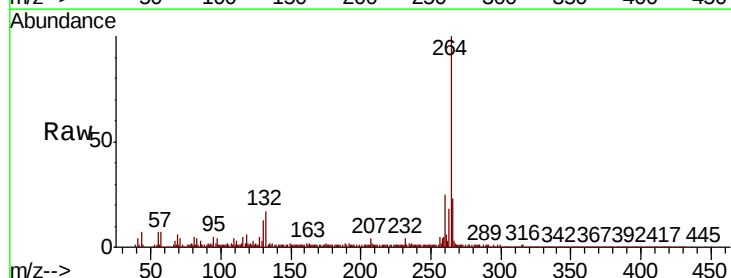
Manual Integrations
APPROVED

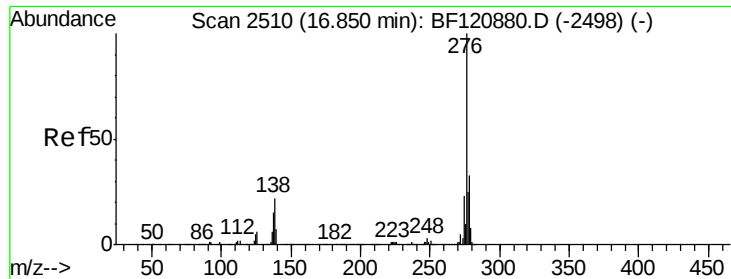
mohammad
7/30/2020 3:34:04 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.9	29.9
265	23.0	17.8	26.8





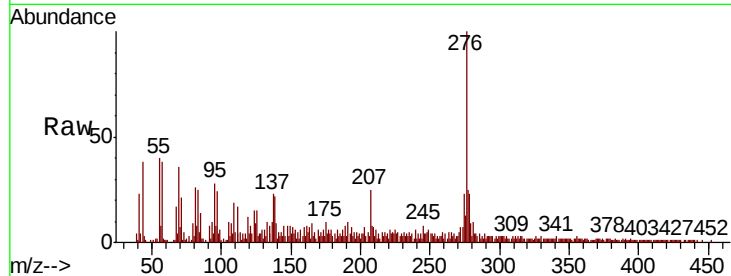
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.088 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. 0.02 min
 Lab File: BF121119.D
 Acq: 30 Jul 2020 00:04

Instrument :
 BNA_F
 ClientSampleId :
 1

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.3	28.9
277	24.1	20.1	30.1

Manual Integrations
 APPROVED

mohammad
 7/30/2020 3:34:04 PM

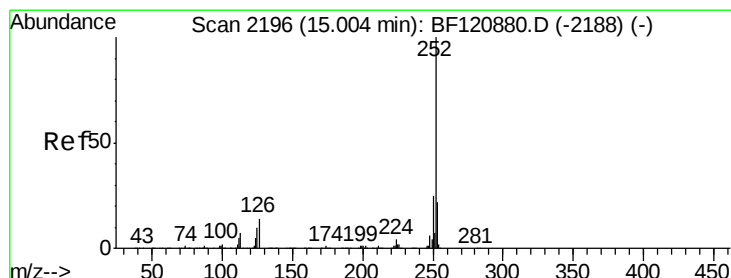
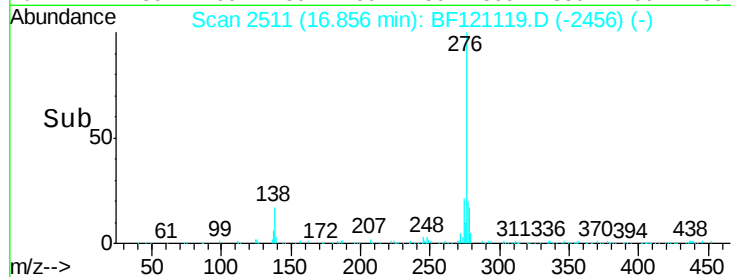
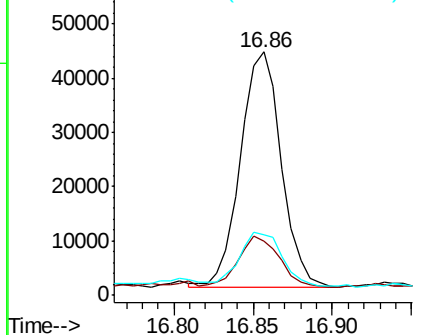


Abundance

Ion 276.00 (275.70 to 276.70): E

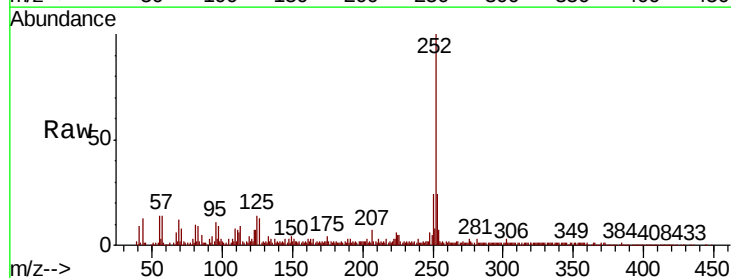
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 10.728 ng m
 RT: 15.00 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BF121119.D
 Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	13.8	8.1	12.1

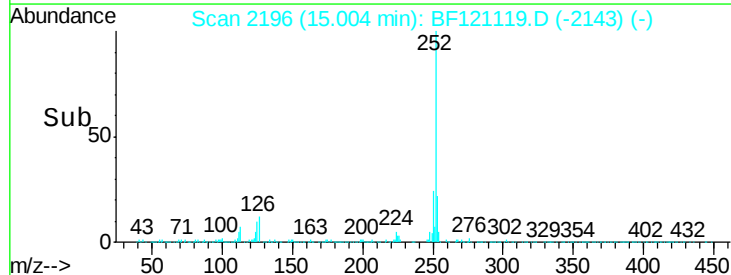
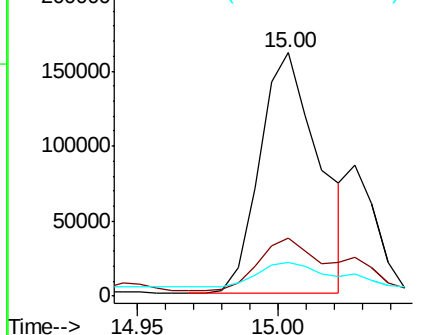


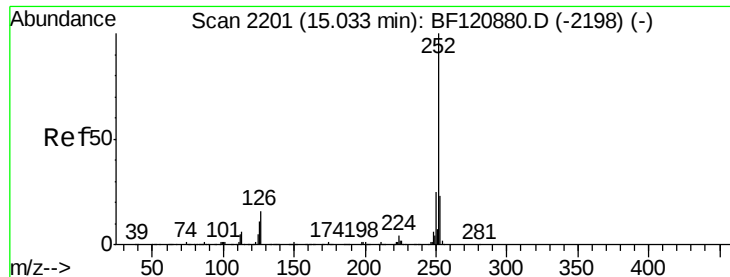
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





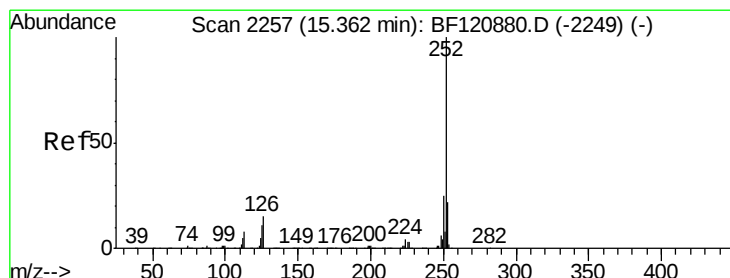
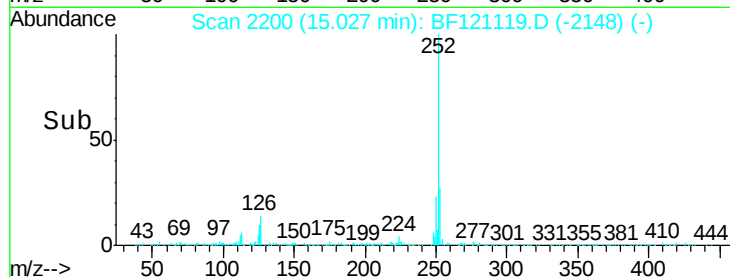
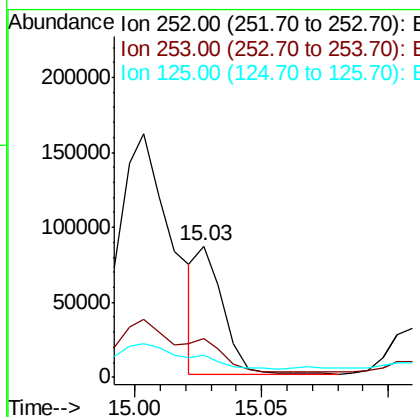
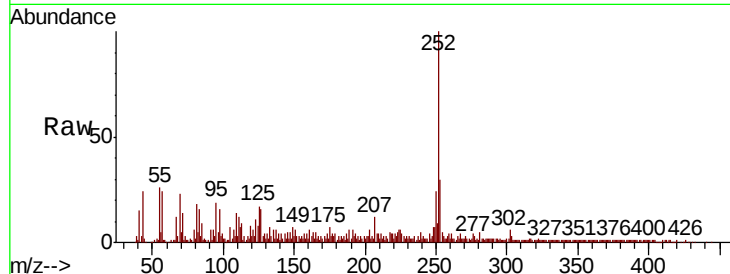
#89
Benzo(k)fluoranthene
Concen: 3.021 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.7	18.1	27.1#
125	16.7	8.0	12.0#

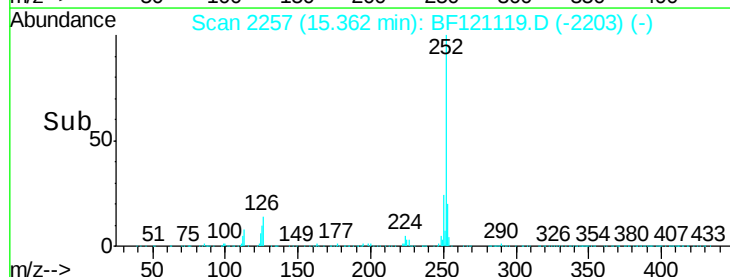
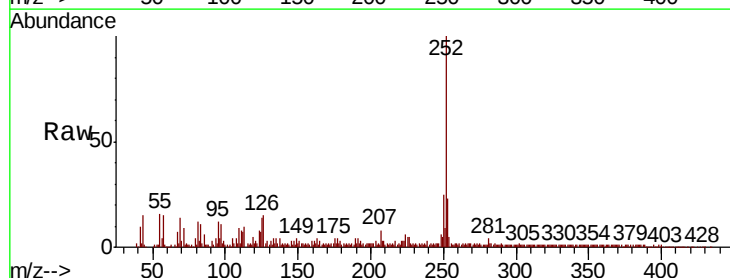
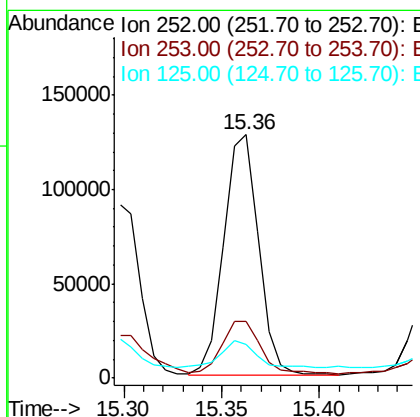
Manual Integrations
APPROVED

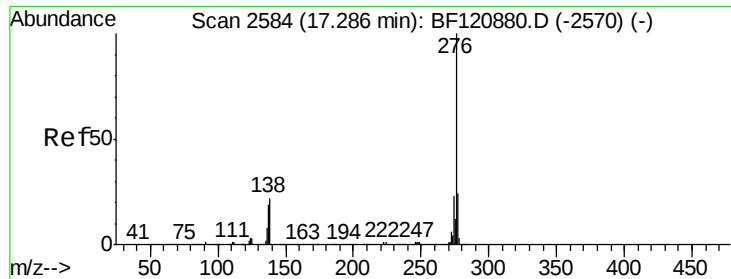
mohammad
7/30/2020 3:34:04 PM



#90
Benzo(a)pyrene
Concen: 7.870 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	14.0	9.5	14.3





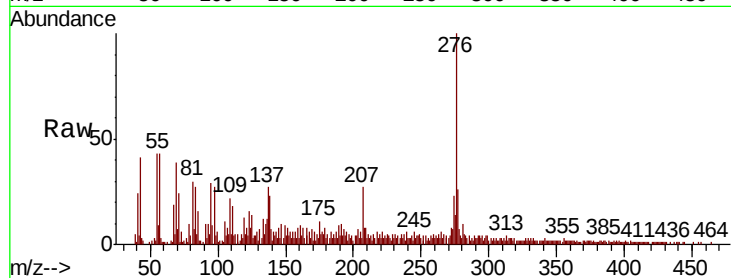
#92
 Benzo(a,h,i)perylene
 Concen: 3.682 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. 0.02 min
 Lab File: BF121119.D
 Acq: 30 Jul 2020 00:04

Instrument :
 BNA_F
 ClientSampleId :
 1

Tot Ion:	276	Resp:	74639
Ion Ratio	Lower	Upper	
276	100		
277	26.3	19.4	29.0
138	23.3	17.2	25.8

Manual Integrations
 APPROVED

mohammad
 7/30/2020 3:34:04 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

