

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
 Data File : BF121696.D
 Acq On : 25 Sep 2020 15:22
 Operator : JU/CG
 Sample : L4102-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-1B-(3.0-3.5)

Manual Integrations
 APPROVED

mohammad
 9/28/2020 11:10:31 AM

Quant Time: Sep 25 15:56:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 14:15:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	140184	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	546268	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	286443	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	508446	20.00	ng	0.00
76) Chrysene-d12	13.96	240	426832	20.00	ng	0.00
86) Perylene-d12	15.41	264	344163	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	847900	89.89	ng	0.00
7) Phenol-d6	6.43	99	1108573	89.58	ng	0.00
23) Nitrobenzene-d5	7.36	82	760235	74.72	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	359119	100.87	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1348351	71.29	ng	0.00
79) Terphenyl-d14	12.92	244	1434877	68.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.55	163	269767	12.994	ng	99
71) Phenanthrene	11.35	178	88819	3.206	ng	96
75) Fluoranthene	12.54	202	200995	6.797	ng	98
78) Pyrene	12.77	202	188925	6.058	ng	98
81) Benzo(a)anthracene	13.95	228	95455	3.535	ng	99
83) Chrysene	13.99	228	101345	3.706	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	54800	3.252	ng	99
87) Indeno(1,2,3-cd)pyrene	16.83	276	47827	2.134	ng	97
88) Benzo(b)fluoranthene	14.99	252	120443m	5.235	ng	
90) Benzo(a)pyrene	15.35	252	71897	3.676	ng	98
92) Benzo(g,h,i)perylene	17.26	276	50340	2.745	ng	98

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

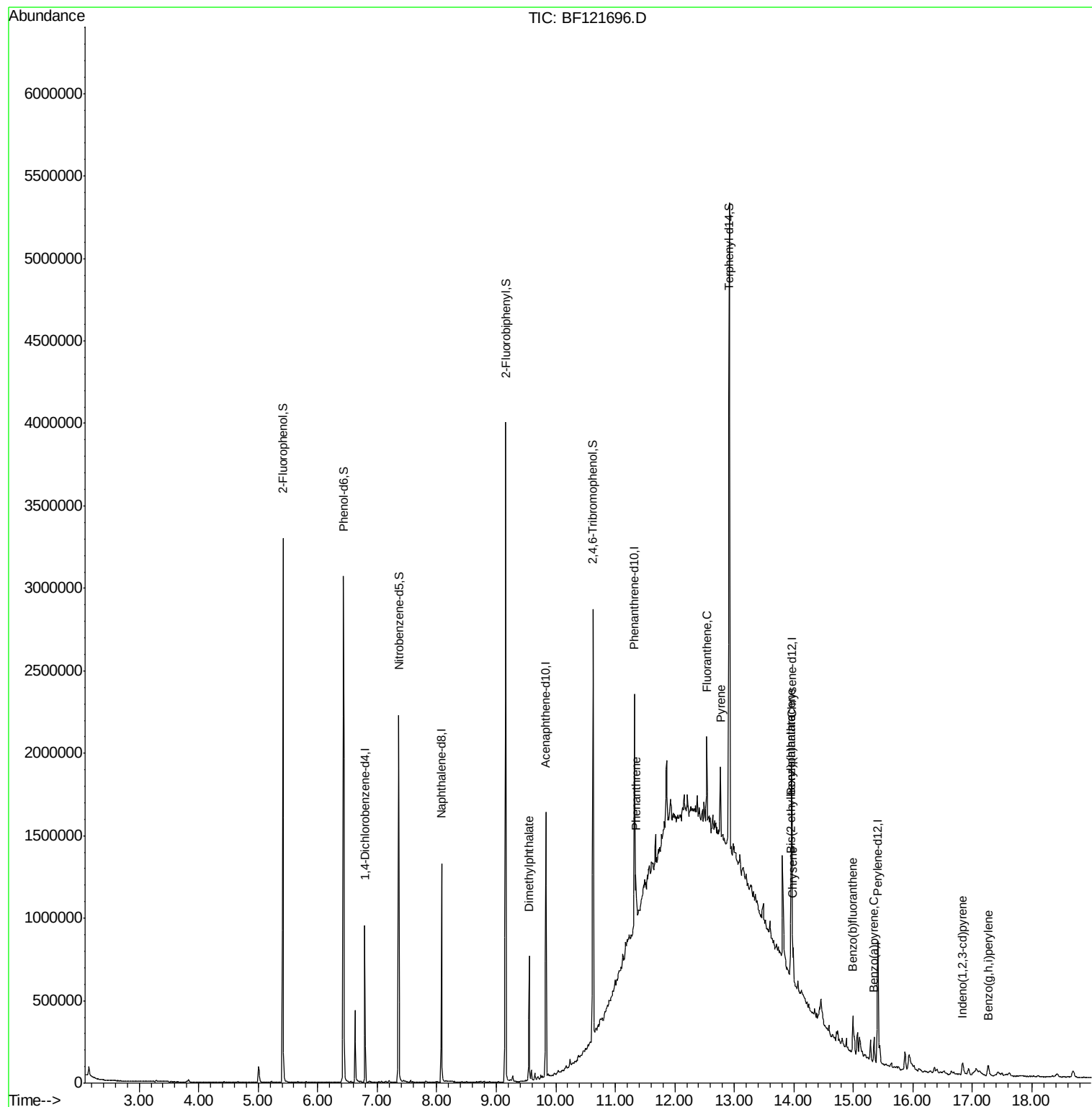
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
Data File : BF121696.D
Acq On : 25 Sep 2020 15:22
Operator : JU/CG
Sample : L4102-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

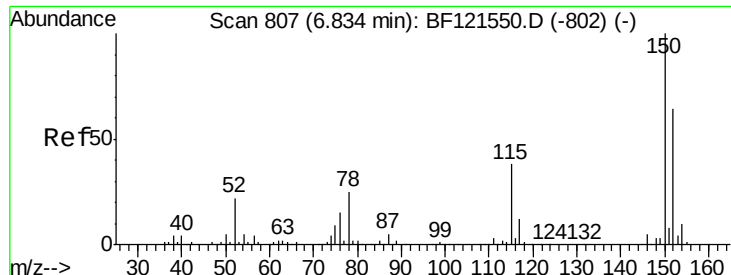
Instrument :
BNA_F
ClientSampleId :
PE-1B-(3.0-3.5)

Manual Integrations
APPROVED

mohammad
9/28/2020 11:10:31 AM

Quant Time: Sep 25 15:56:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 25 14:15:19 2020
Response via : Initial Calibration





#1

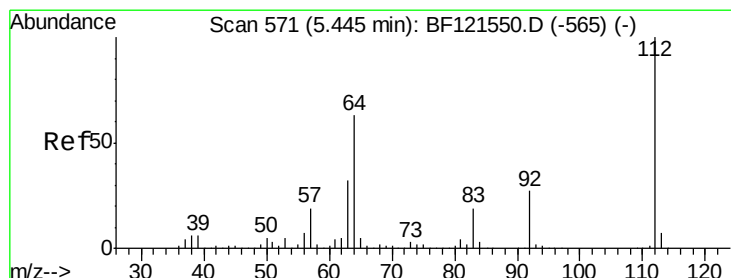
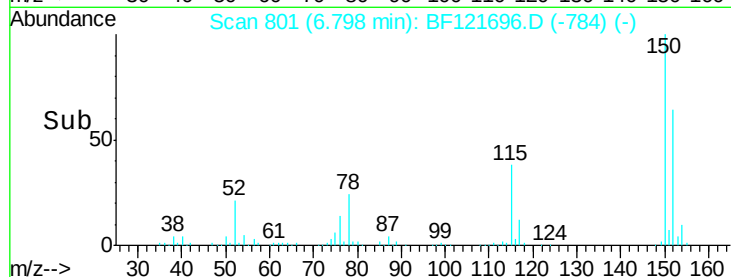
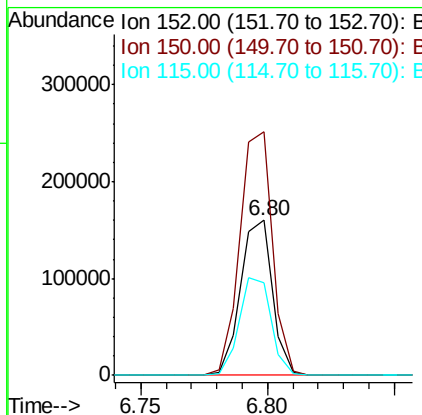
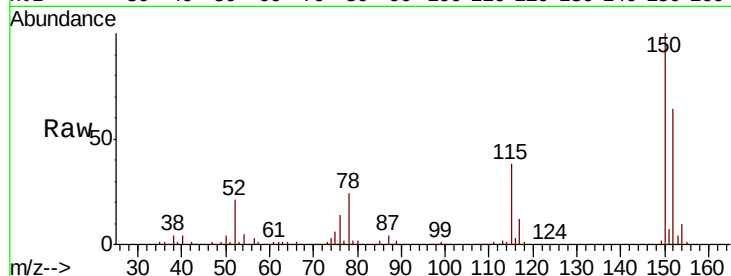
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF121696.D
Acq: 25 Sep 2020 15:22

Instrument :
BNA_F
ClientSampleId :
PE-1B-(3.0-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.1	189.1
115	59.5	50.6	76.0

Manual Integrations
APPROVED

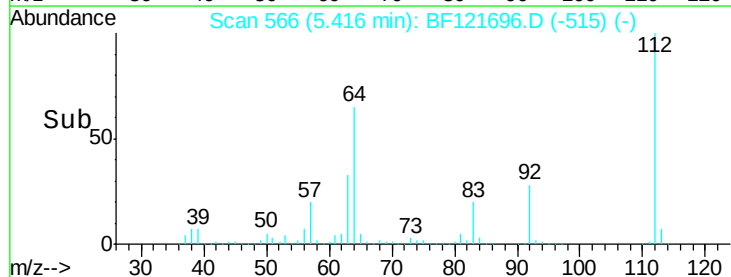
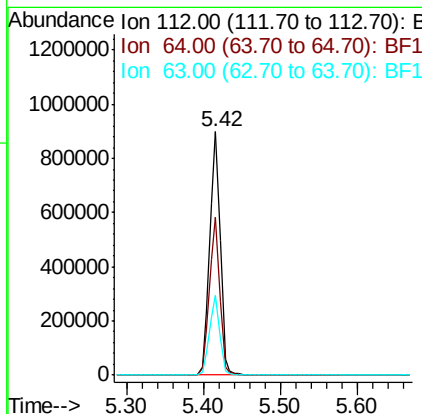
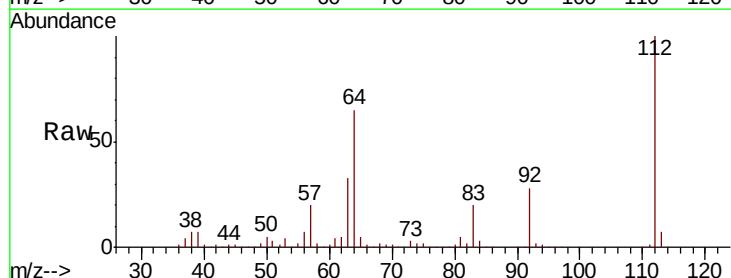
mohammad
9/28/2020 11:10:31 AM

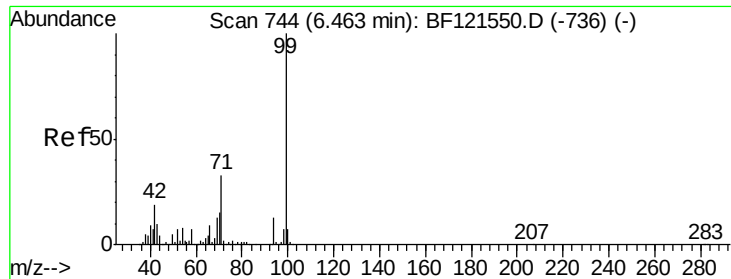


#5

2-Fluorophenol
Concen: 89.888 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121696.D
Acq: 25 Sep 2020 15:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	49.5	74.3
63	32.9	25.2	37.8





#7

Phenol-d6

Concen: 89.579 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

Instrument :

BNA_F

ClientSampleId :

PE-1B-(3.0-3.5)

Tot Ion: 99 Resp: 1108573

Ion Ratio Lower Upper

99 100

42 20.1 16.1 24.1

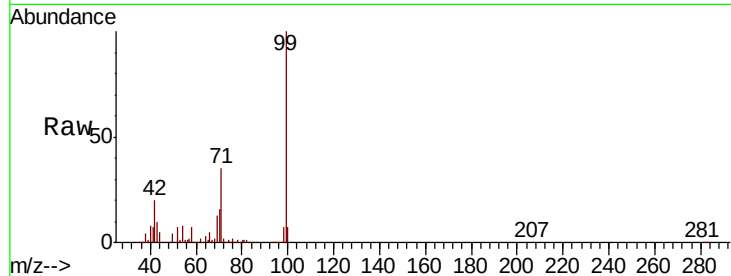
71 34.7 27.9 41.9

Manual Integrations

APPROVED

mohammad

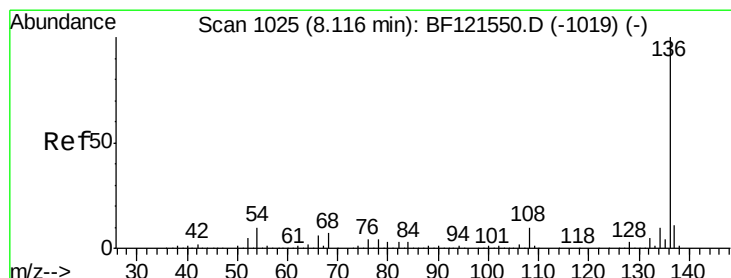
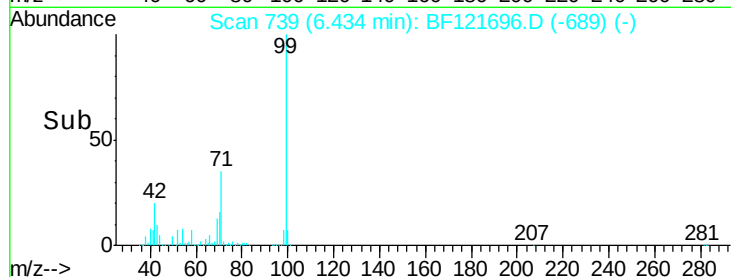
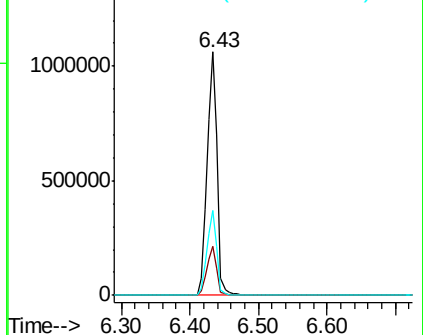
9/28/2020 11:10:31 AM



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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

Tgt Ion: 136 Resp: 546268

Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.0 7.6 11.4

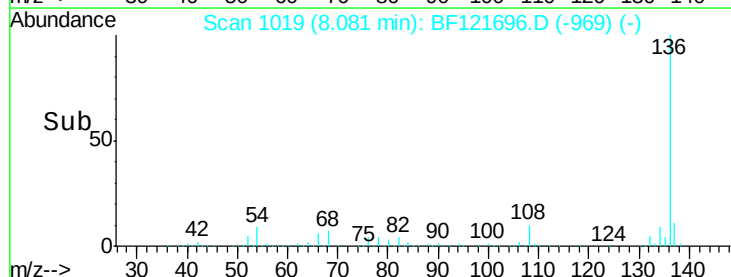
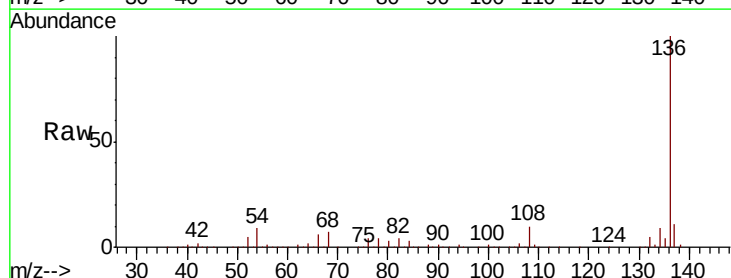
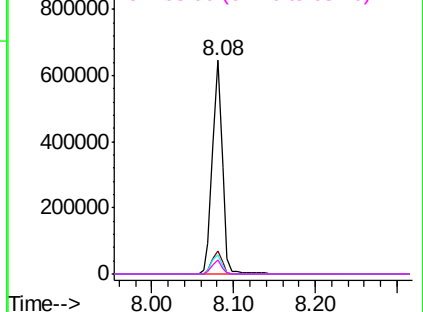
68 6.6 5.3 7.9

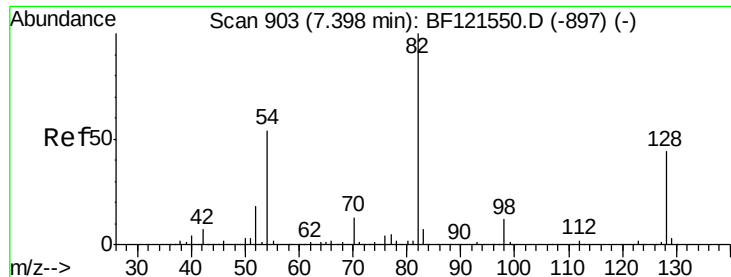
Abundance Ion 136.00 (135.70 to 136.70): E

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





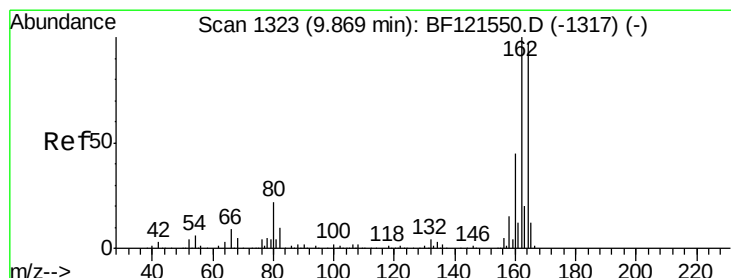
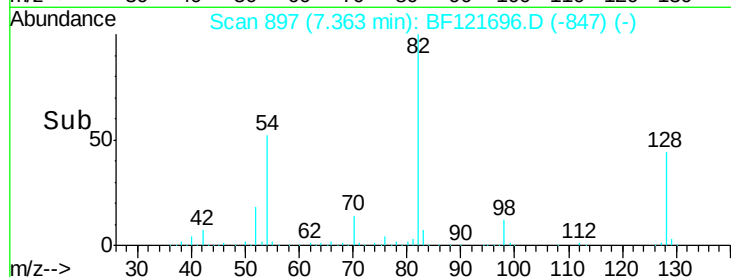
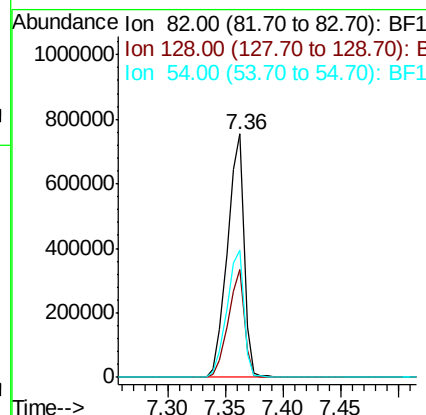
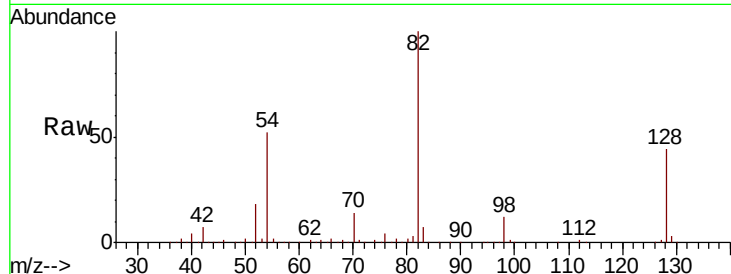
#23
Nitrobenzene-d5
Concen: 74.722 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121696.D
Acq: 25 Sep 2020 15:22

Instrument :
BNA_F
ClientSampleId :
PE-1B-(3.0-3.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	33.9	50.9
54	52.3	43.2	64.8

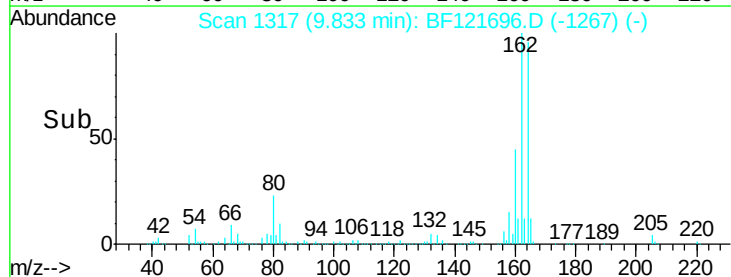
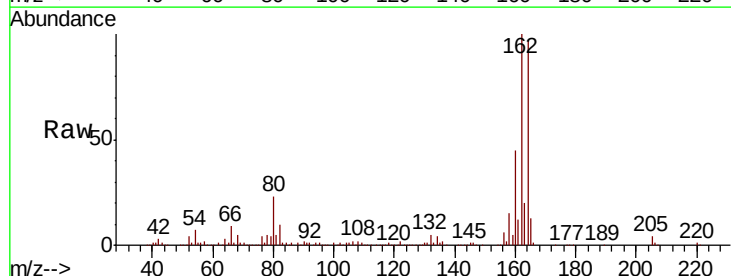
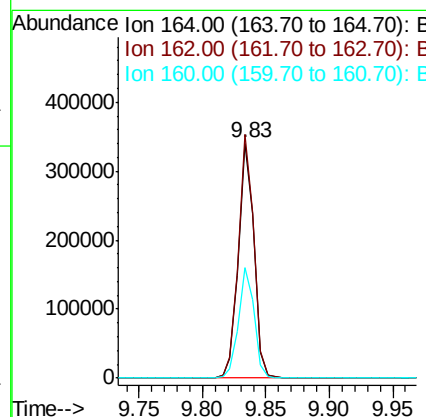
Manual Integrations
APPROVED

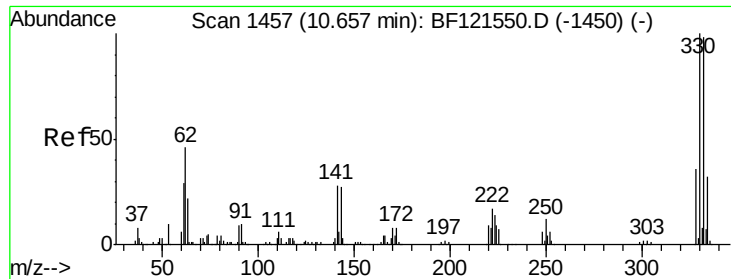
mohammad
9/28/2020 11:10:31 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121696.D
Acq: 25 Sep 2020 15:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.3	123.5
160	47.0	37.1	55.7





#42

2,4,6-Tribromophenol

Concen: 100.873 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

Instrument :

BNA_F

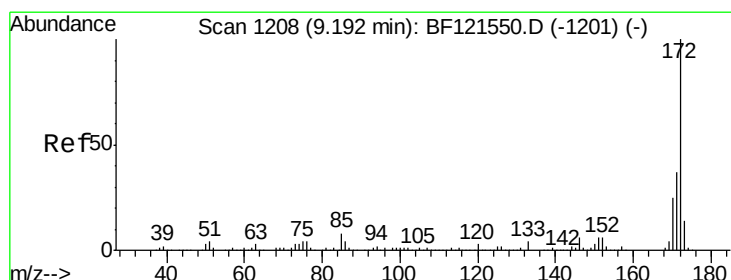
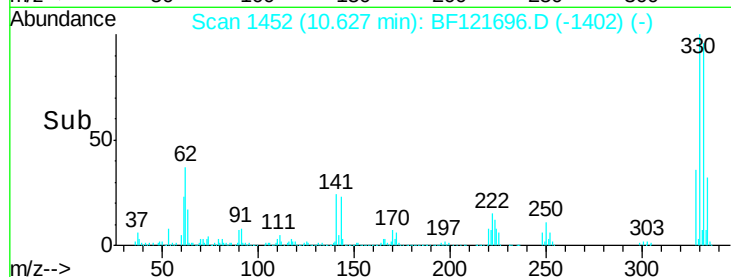
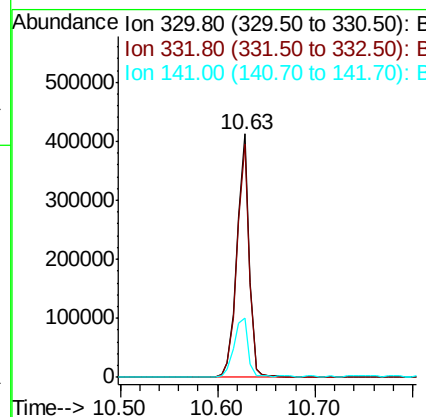
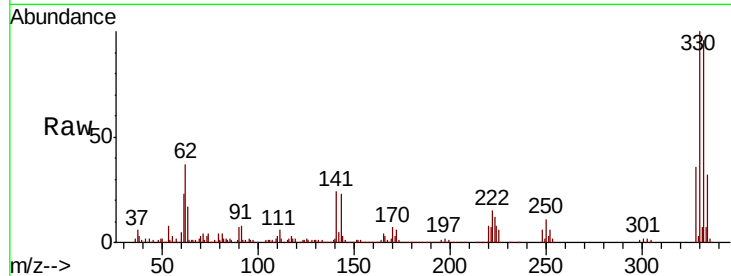
ClientSampleId :

PE-1B-(3.0-3.5)

Tot Ion:	330	Resp:	359119
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.7	115.1
141	28.2	22.2	33.2

Manual Integrations
APPROVED

mohammad
9/28/2020 11:10:31 AM



#45

2-Fluorobiphenyl

Concen: 71.292 ng

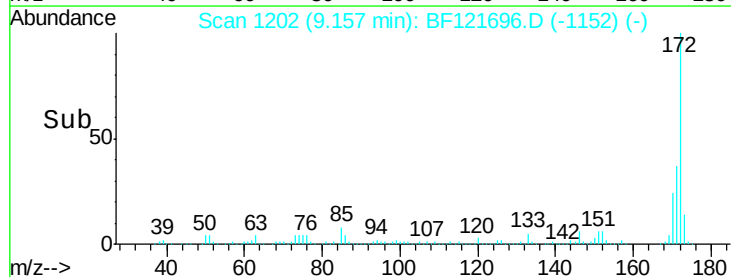
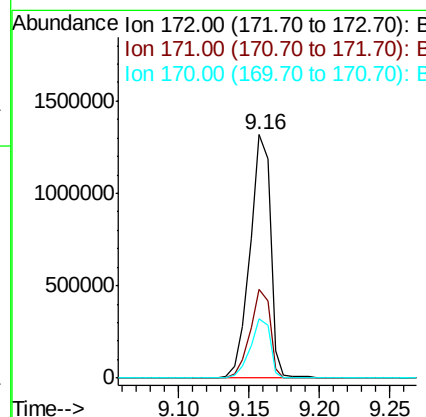
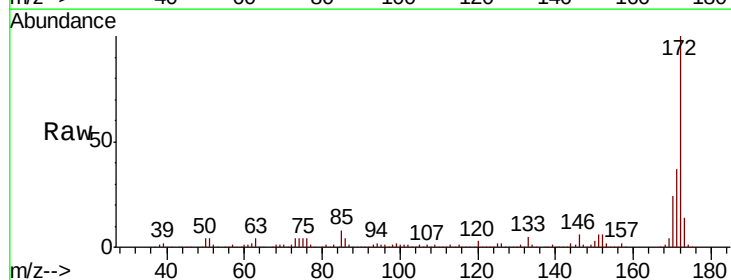
RT: 9.16 min Scan# 1202

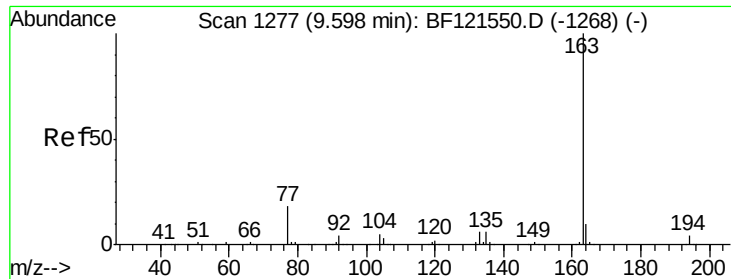
Delta R.T. -0.01 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

Tgt Ion:	172	Resp:	1348351
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.4	44.0
170	24.2	19.6	29.4





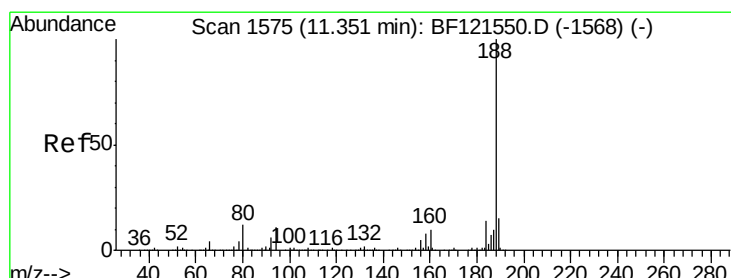
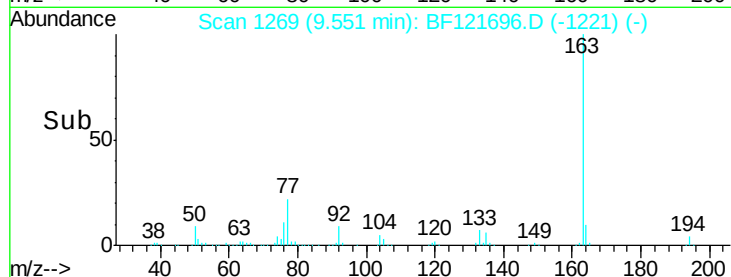
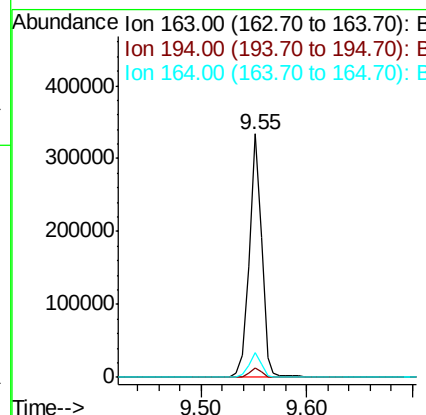
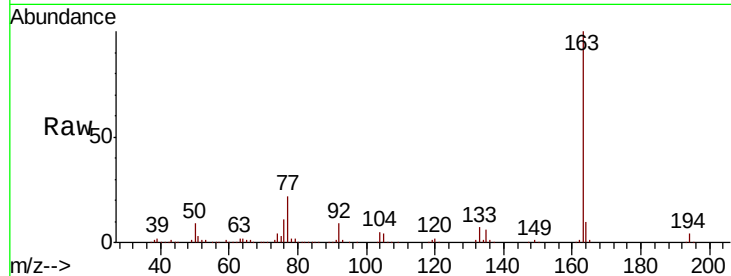
#50
Dimethylphthalate
Concen: 12.994 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121696.D
Acq: 25 Sep 2020 15:22

Instrument :
BNA_F
ClientSampleId :
PE-1B-(3.0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	269767		
194	4.0		3.1	4.7
164	10.2		8.3	12.5

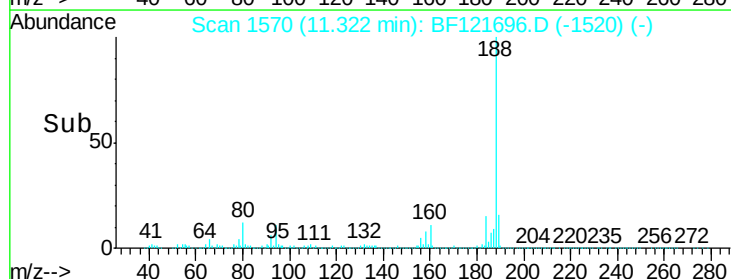
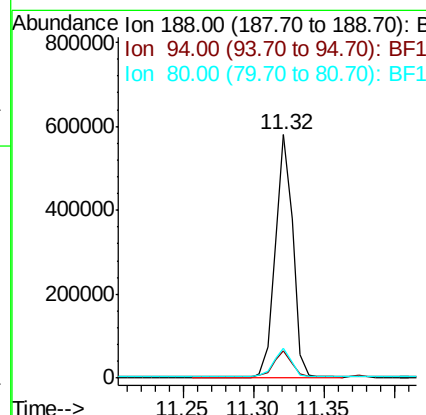
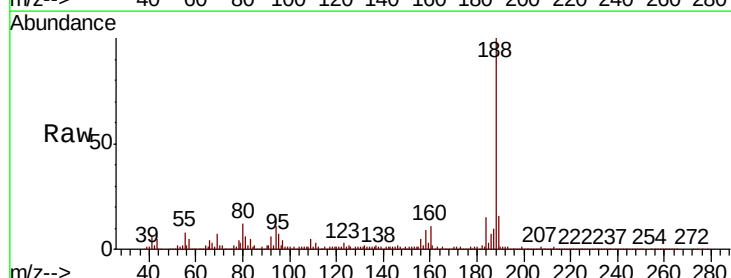
Manual Integrations
APPROVED

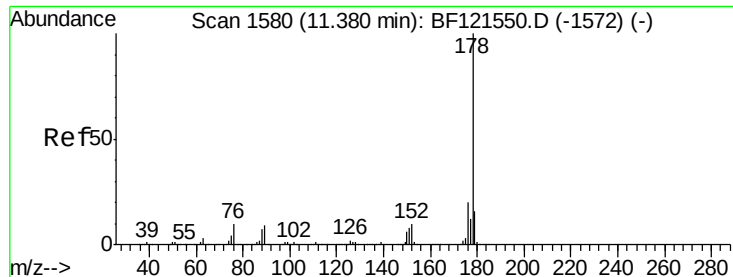
mohammad
9/28/2020 11:10:31 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF121696.D
Acq: 25 Sep 2020 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	508446		
94	11.3		7.9	11.9
80	12.1		8.6	13.0





#71

Phenanthrene

Concen: 3.206 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

Instrument :

BNA_F

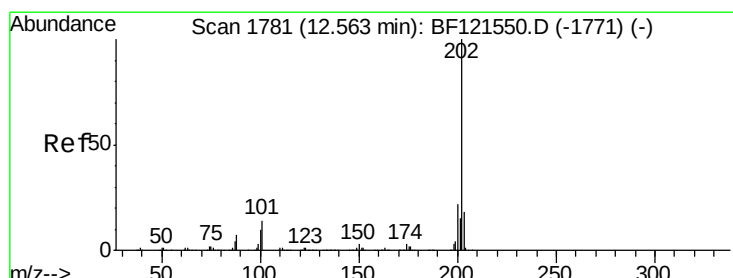
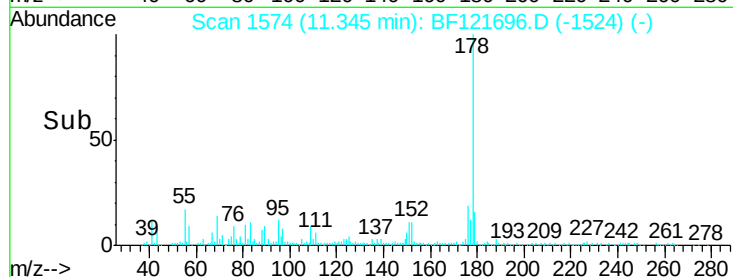
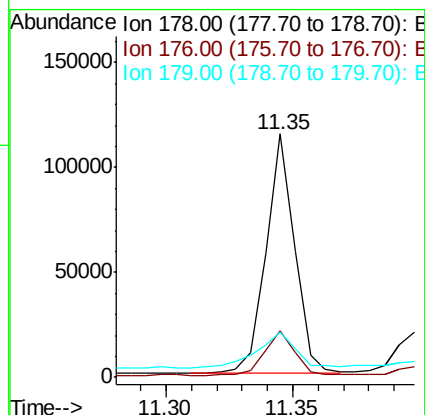
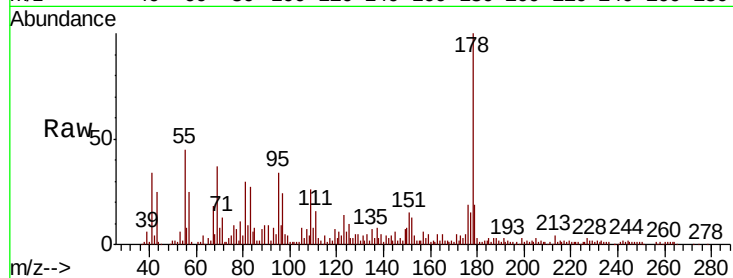
ClientSampleId :

PE-1B-(3.0-3.5)

Tot Ion:178	Resp:	88819
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.8 23.8
179	18.8	12.6 19.0

Manual Integrations
APPROVED

mohammad
9/28/2020 11:10:31 AM



#75

Fluoranthene

Concen: 6.797 ng

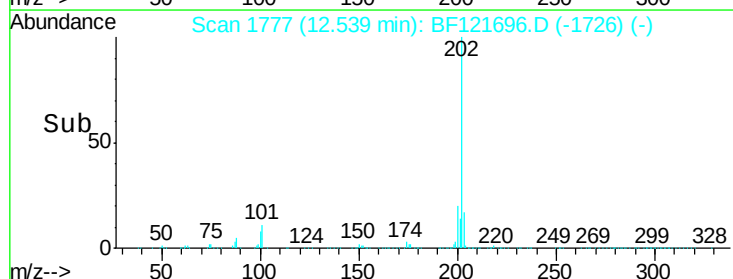
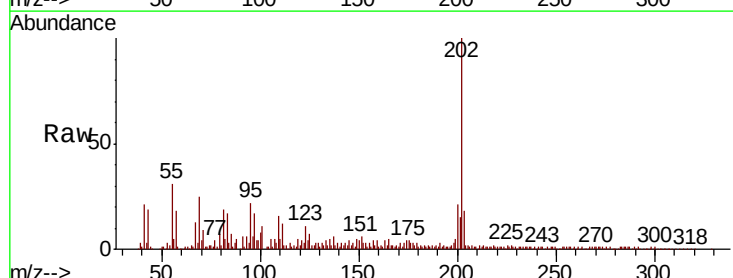
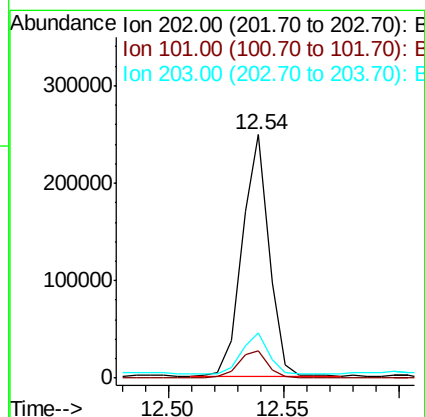
RT: 12.54 min Scan# 1777

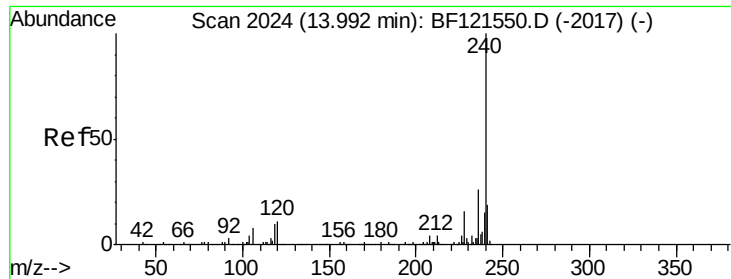
Delta R.T. -0.00 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

Tgt Ion:202	Resp:	200995
Ion Ratio	Lower	Upper
202	100	
101	11.3	0.0 33.2
203	18.3	0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

Instrument :

BNA_F

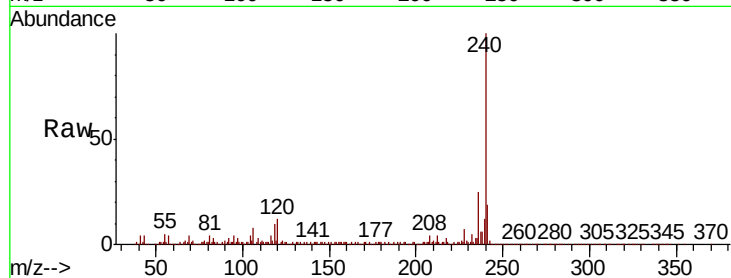
ClientSampleId :

PE-1B-(3.0-3.5)

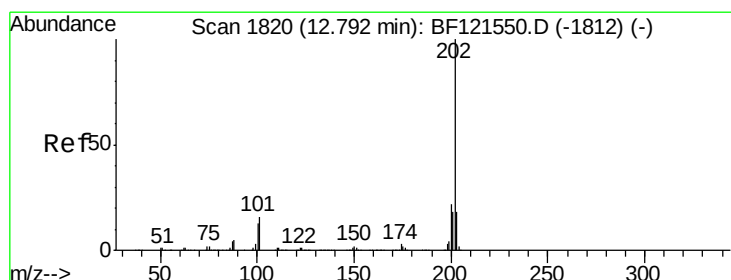
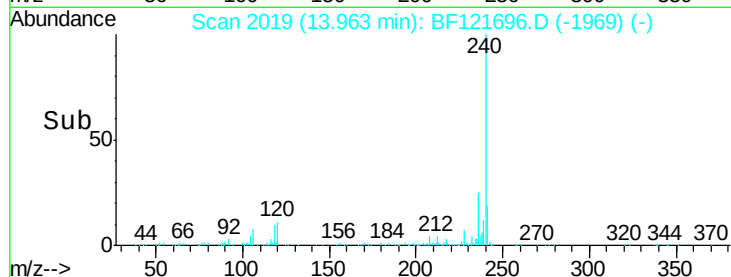
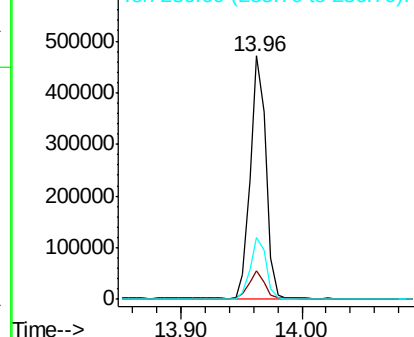
Tot Ion:	240	Resp:	426832
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.9	14.9
236	25.2	20.6	31.0

Manual Integrations
APPROVED

mohammad
9/28/2020 11:10:31 AM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 6.058 ng

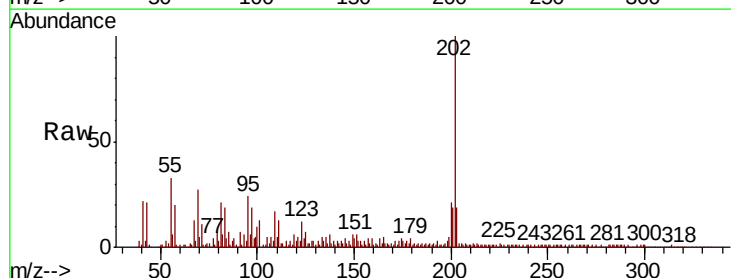
RT: 12.77 min Scan# 1816

Delta R.T. -0.00 min

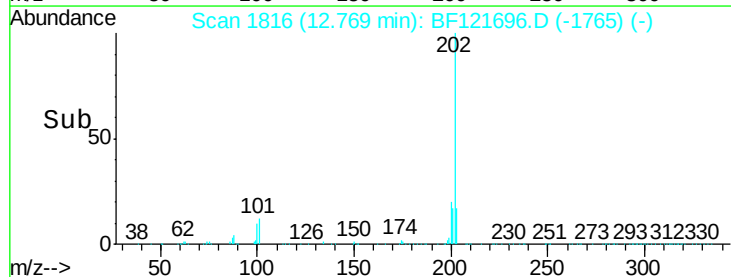
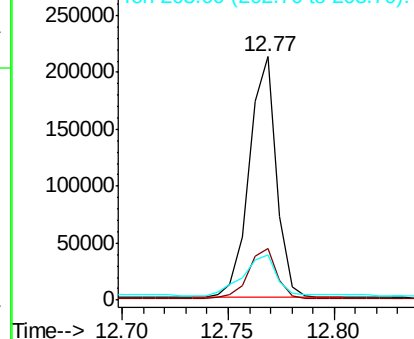
Lab File: BF121696.D

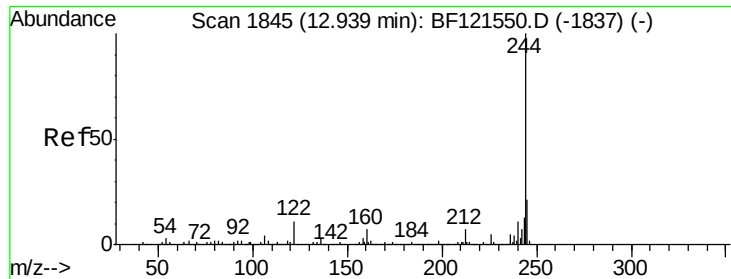
Acq: 25 Sep 2020 15:22

Tgt Ion:	202	Resp:	188925
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.8	26.6
203	18.7	14.6	21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.105 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

Instrument :

BNA_F

ClientSampleId :

PE-1B-(3.0-3.5)

Tot Ion:244 Resp: 1434877

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

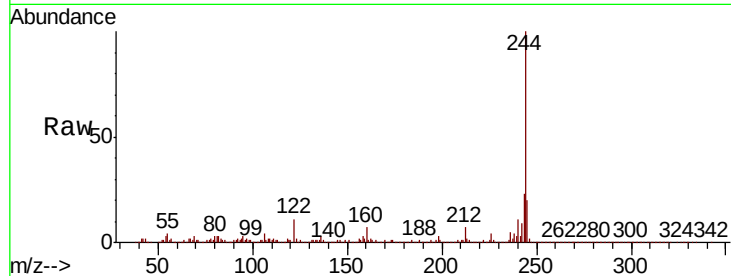
122 10.7 8.2 12.4

Manual Integrations

APPROVED

mohammad

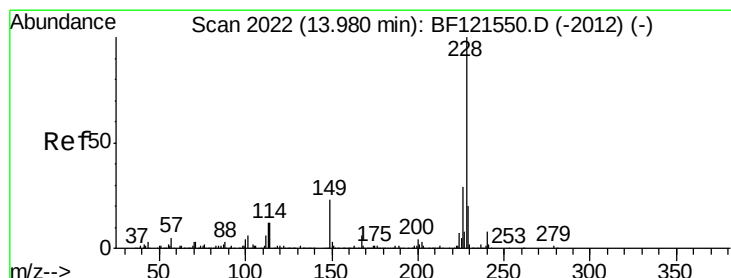
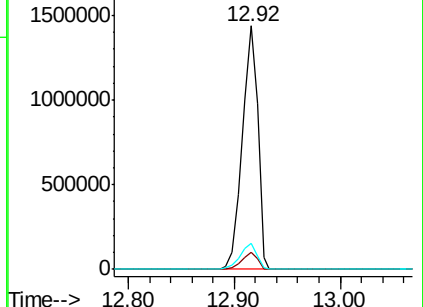
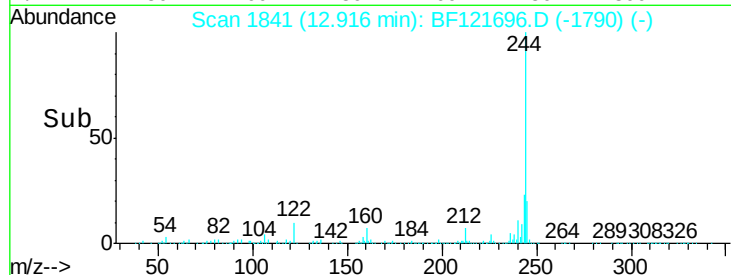
9/28/2020 11:10:31 AM



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: 3.535 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

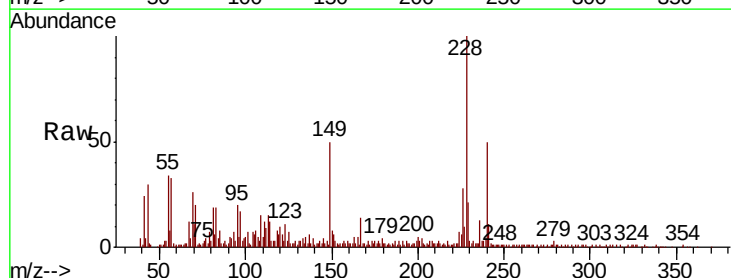
Tgt Ion:228 Resp: 95455

Ion Ratio Lower Upper

228 100

226 28.0 22.5 33.7

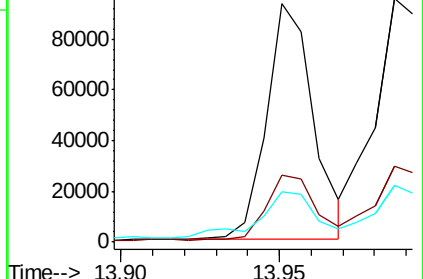
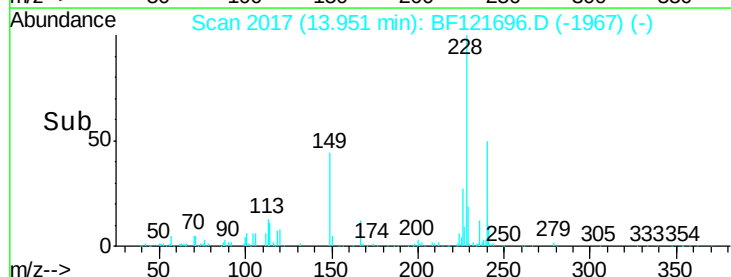
229 21.3 16.3 24.5

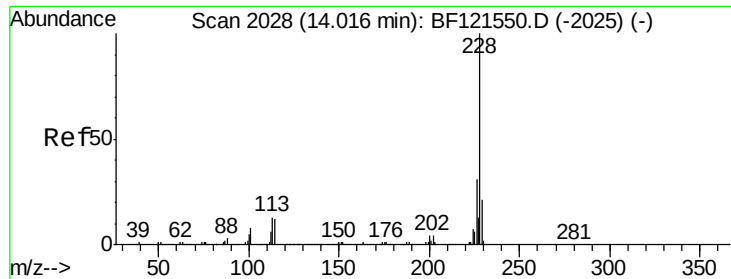


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





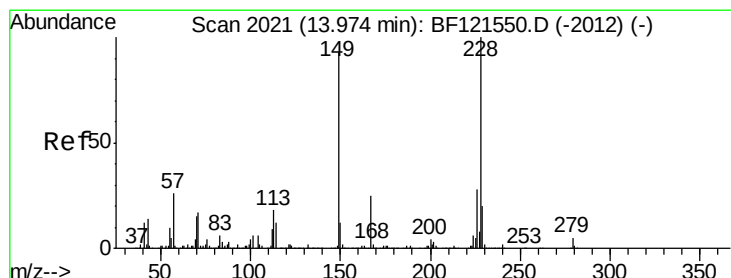
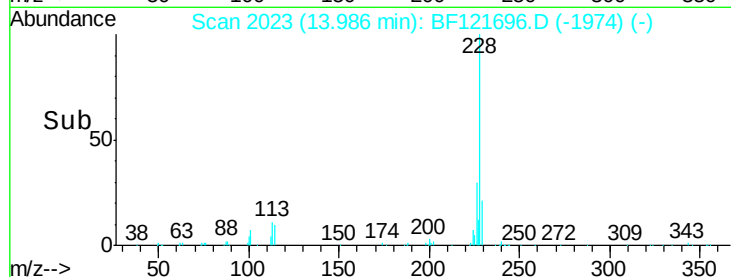
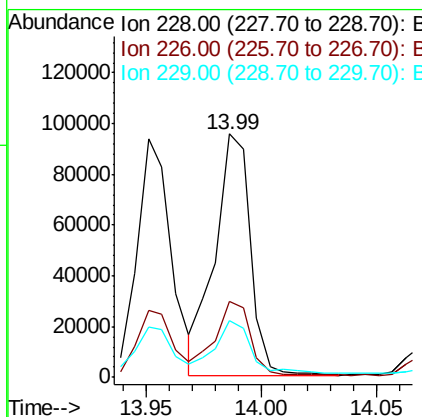
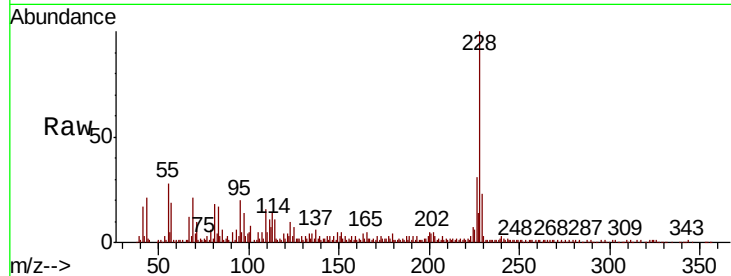
#83
 Chrysene
 Concen: 3.706 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF121696.D
 Acq: 25 Sep 2020 15:22

Instrument :
 BNA_F
 ClientSampleId :
 PE-1B-(3.0-3.5)

Tot Ion:	228	Resp:	101345
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.4	38.0
229	23.2	16.2	24.2

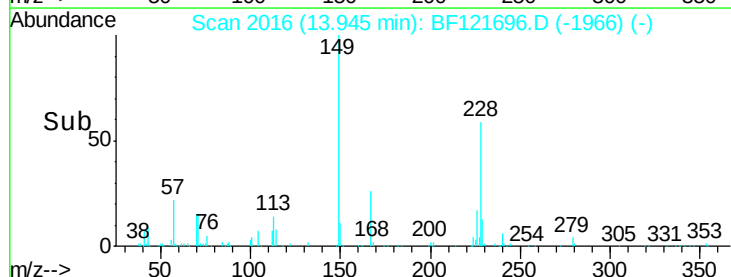
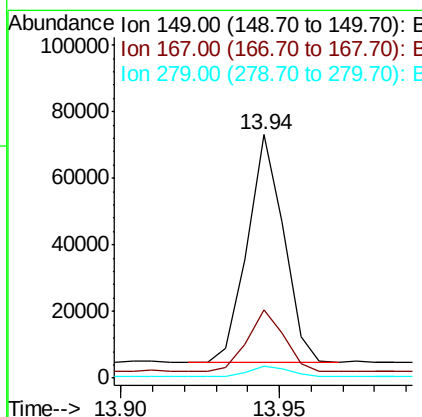
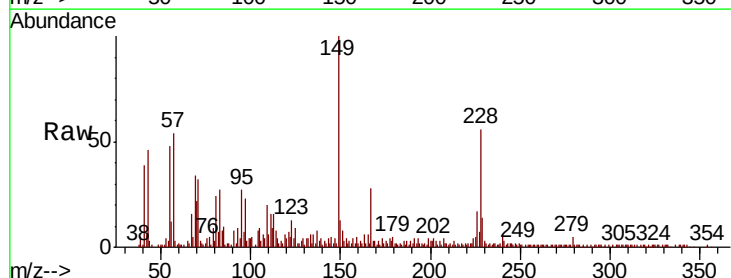
Manual Integrations
 APPROVED

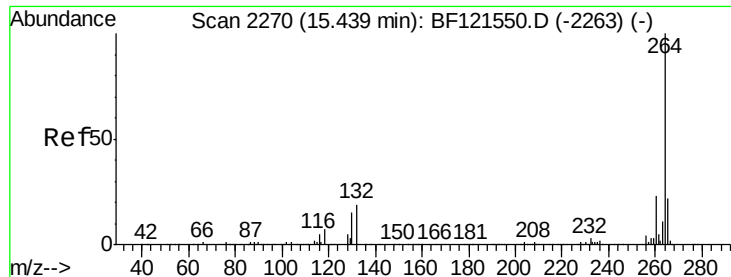
mohammad
 9/28/2020 11:10:31 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.252 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF121696.D
 Acq: 25 Sep 2020 15:22

Tgt Ion:	149	Resp:	54800
Ion Ratio	Lower	Upper	
149	100		
167	27.8	21.8	32.8
279	4.9	4.2	6.2





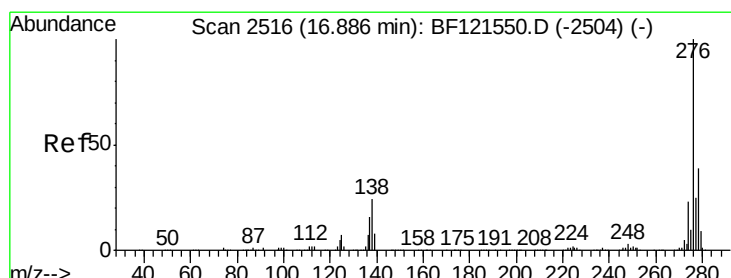
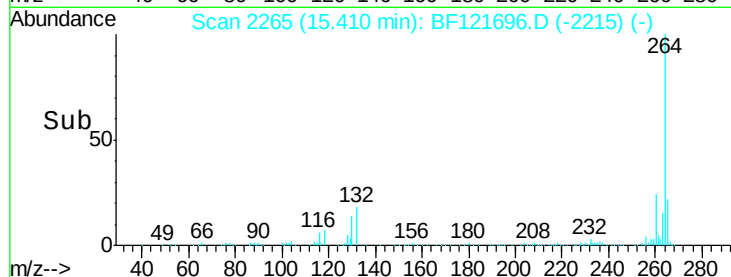
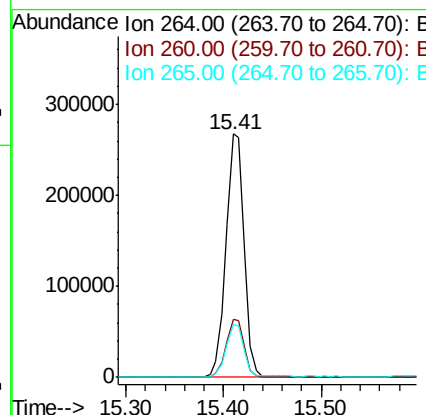
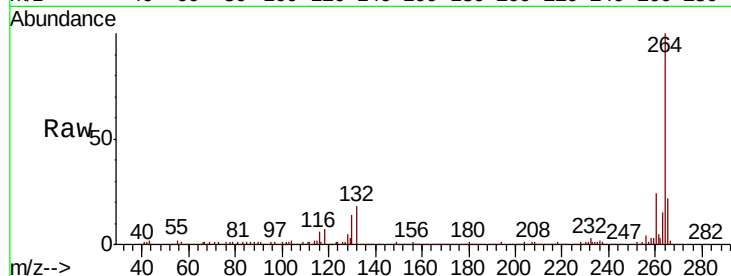
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF121696.D
Acq: 25 Sep 2020 15:22

Instrument :
BNA_F
ClientSampleId :
PE-1B-(3.0-3.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	21.7	17.6	26.4

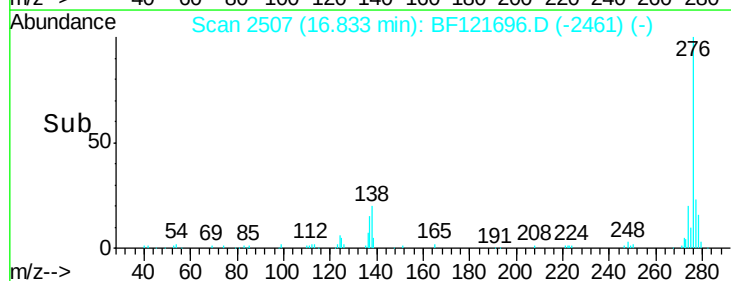
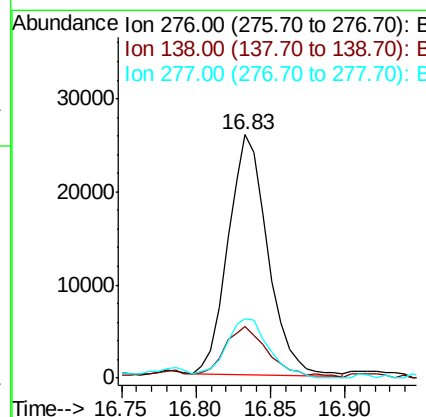
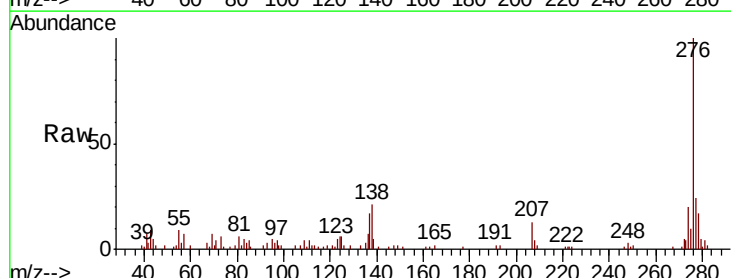
Manual Integrations
APPROVED

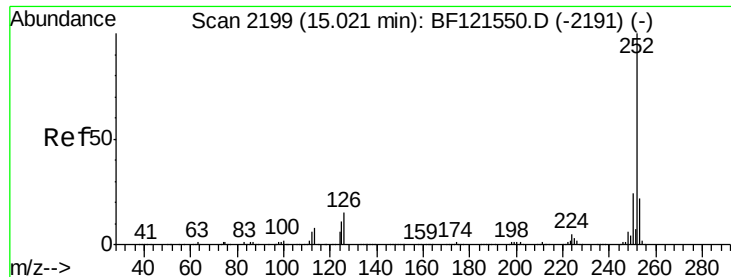
mohammad
9/28/2020 11:10:31 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.134 ng
RT: 16.83 min Scan# 2507
Delta R.T. -0.03 min
Lab File: BF121696.D
Acq: 25 Sep 2020 15:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.6	19.2	28.8
277	27.1	20.1	30.1





#88

Benzo(b)fluoranthene

Concen: 5.235 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.01 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

Instrument :

BNA_F

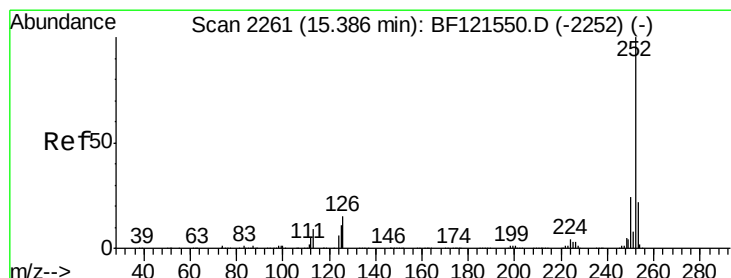
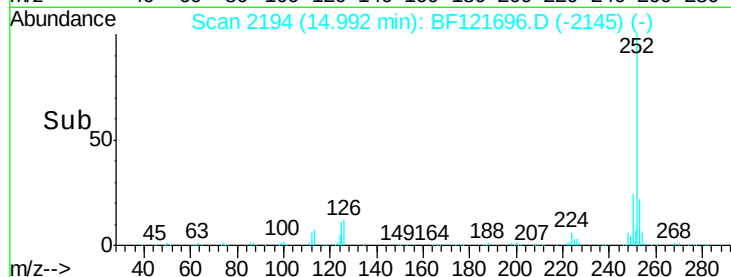
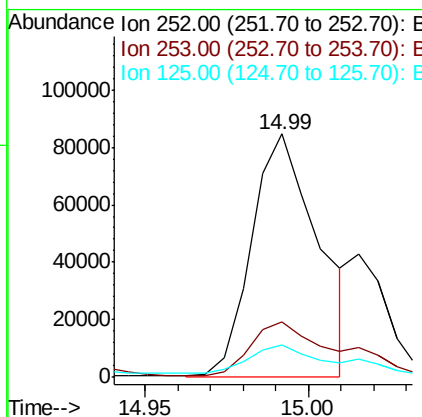
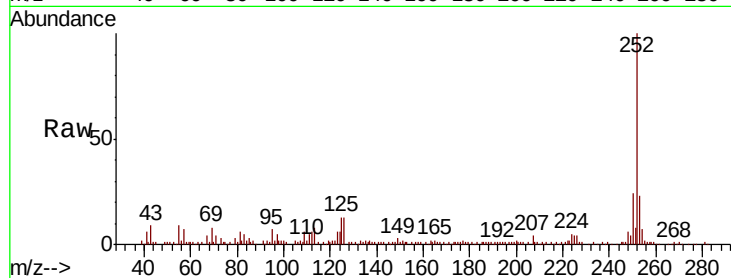
ClientSampleId :

PE-1B-(3.0-3.5)

Tot Ion:	252	Resp:	120443
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	13.2	7.8	11.6

Manual Integrations
APPROVED

mohammad
9/28/2020 11:10:31 AM



#90

Benzo(a)pyrene

Concen: 3.676 ng

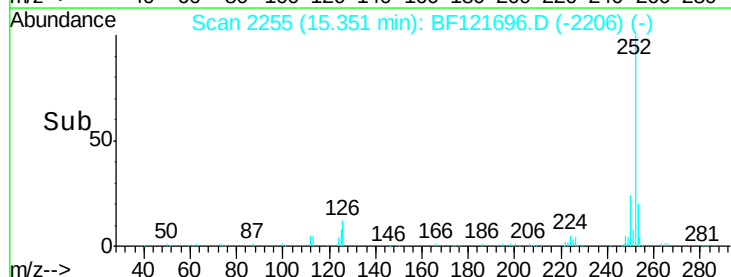
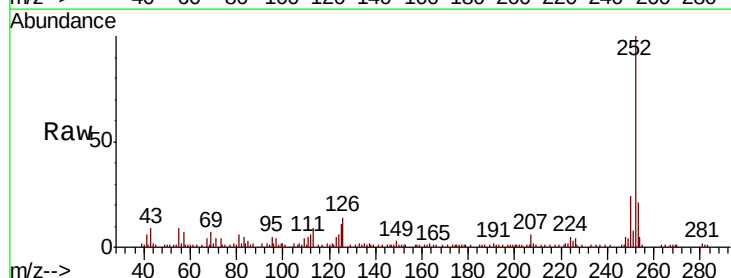
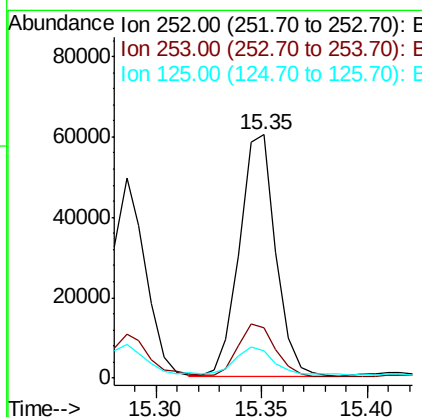
RT: 15.35 min Scan# 2255

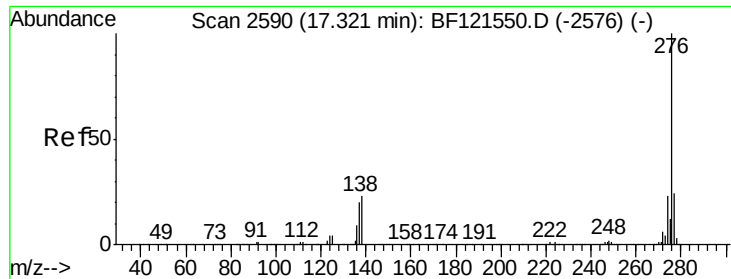
Delta R.T. -0.01 min

Lab File: BF121696.D

Acq: 25 Sep 2020 15:22

Tgt Ion:	252	Resp:	71897
Ion Ratio	Lower	Upper	
252	100		
253	20.8	17.8	26.6
125	11.4	9.1	13.7





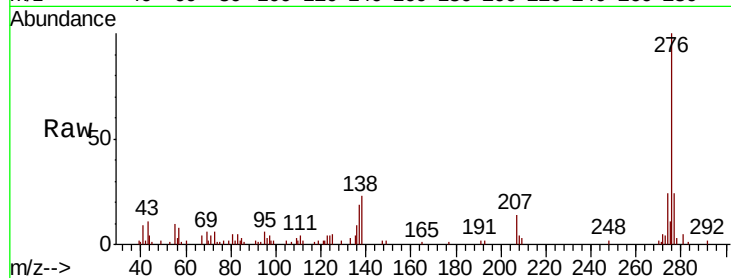
#92
 Benzo(a,h,i)perylene
 Concen: 2.745 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. -0.03 min
 Lab File: BF121696.D
 Acq: 25 Sep 2020 15:22

Instrument :
 BNA_F
 ClientSampleId :
 PE-1B-(3.0-3.5)

Tot Ion:	276	Resp:	50340
Ion Ratio		Lower	Upper
276	100		
277	23.6	18.7	28.1
138	22.6	16.8	25.2

Manual Integrations
 APPROVED

mohammad
 9/28/2020 11:10:31 AM



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

