

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121801.D
 Acq On : 2 Oct 2020 18:46
 Operator : JU/CG
 Sample : L4213-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-15(9-11)

Manual Integrations
 APPROVED

mohammad
 10/5/2020 10:27:41 AM

Quant Time: Oct 03 00:39:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	137877	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	521206	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	237538	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	362979	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	275315	20.00	ng	-0.01
86) Perylene-d12	15.36	264	263650	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	142791	15.39	ng	0.00
7) Phenol-d6	6.40	99	807629	66.35	ng	-0.01
23) Nitrobenzene-d5	7.33	82	670167	69.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	1329	0.45	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1088761	69.42	ng	-0.01
79) Terphenyl-d14	12.87	244	808725	59.51	ng	-0.01
Target Compounds						
35) Caprolactam	8.45	113	11391	4.305	ng	97
50) Dimethylphthalate	9.52	163	149631	8.691	ng	99
71) Phenanthrene	11.30	178	336606	17.020	ng	99
72) Anthracene	11.36	178	91590	4.488	ng	97
75) Fluoranthene	12.49	202	470216	22.273	ng	100
78) Pyrene	12.72	202	410984	20.431	ng	99
81) Benzo(a)anthracene	13.91	228	235395	13.515	ng	99
83) Chrysene	13.94	228	192522	10.915	ng	97
87) Indeno(1,2,3-cd)pyrene	16.76	276	97616	5.685	ng	97
88) Benzo(b)fluoranthene	14.94	252	260201m	14.763	ng	
89) Benzo(k)fluoranthene	14.97	252	77581m	4.807	ng	
90) Benzo(a)pyrene	15.30	252	179454	11.978	ng	99
92) Benzo(a,h,i)perylene	17.19	276	91696	6.527	ng	99

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

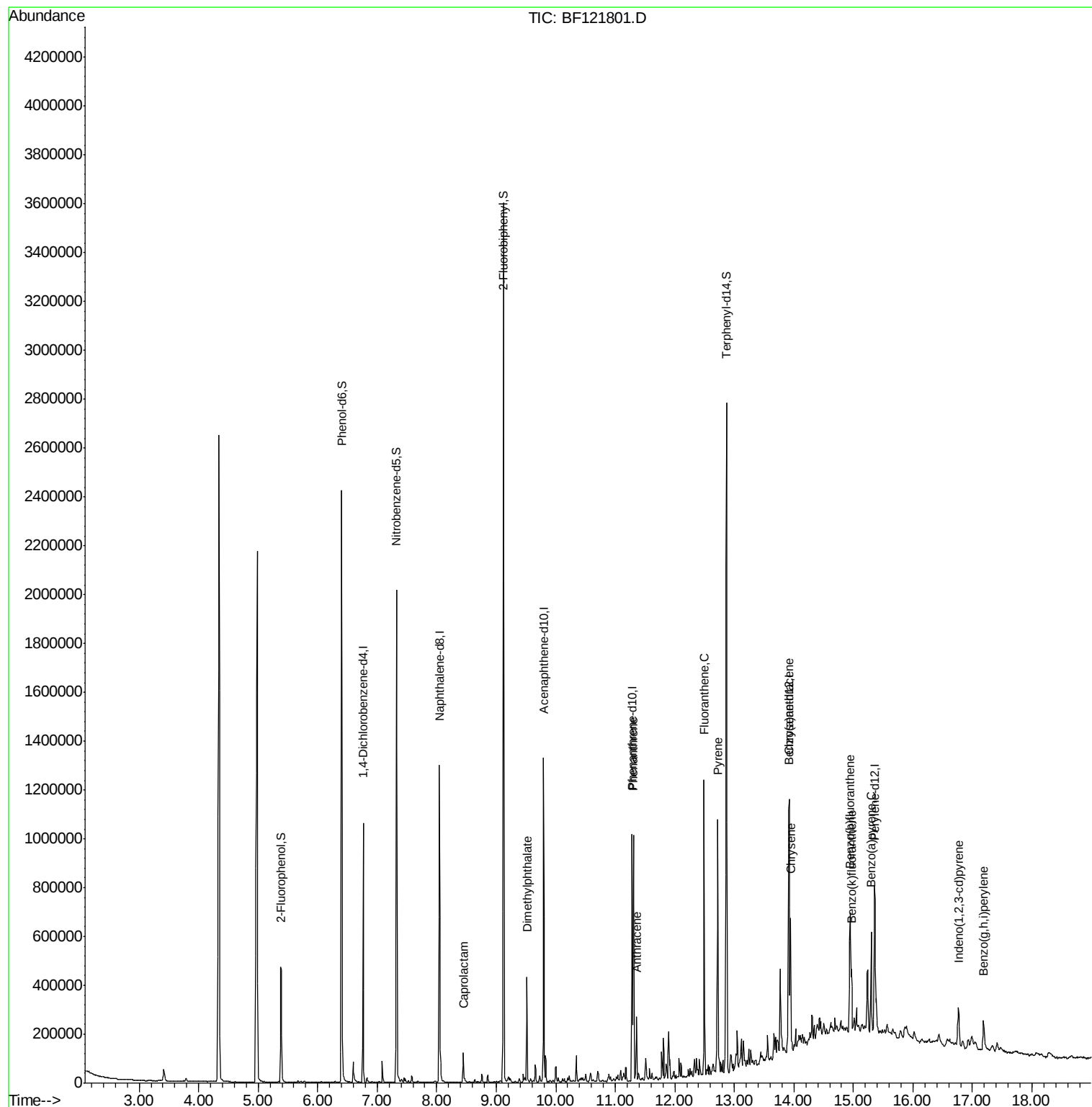
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121801.D
Acq On : 2 Oct 2020 18:46
Operator : JU/CG
Sample : L4213-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

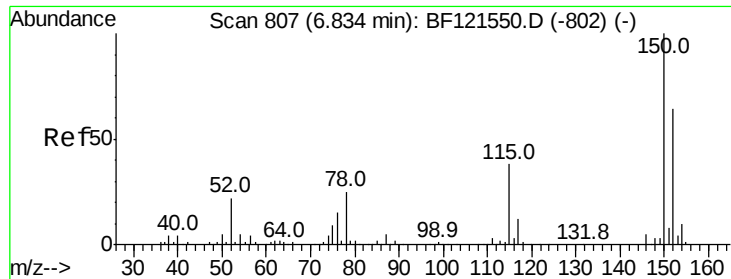
Instrument :
BNA_F
ClientSampleId :
B-15(9-11)

Manual Integrations
APPROVED

mohammad
10/5/2020 10:27:41 AM

Quant Time: Oct 03 00:39:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

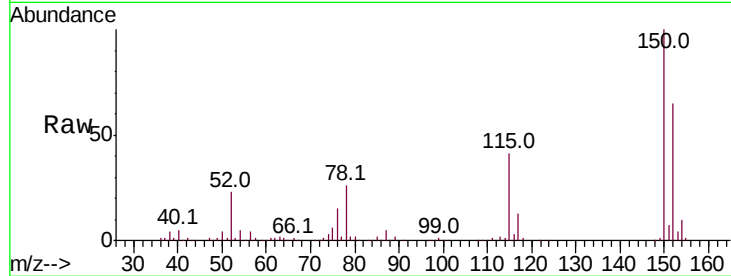
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Instrument :
BNA_F
ClientSampleId :
B-15(9-11)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.3	187.9
115	63.4	51.9	77.9

Manual Integrations
APPROVED

mohammad
10/5/2020 10:27:41 AM

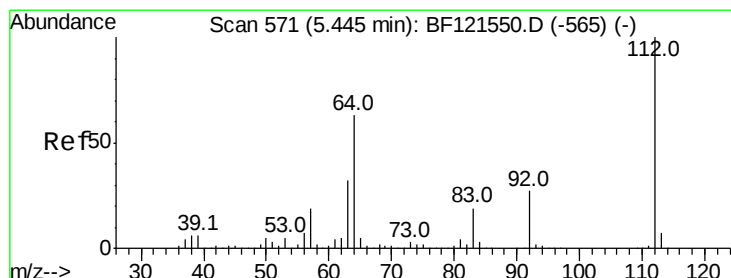
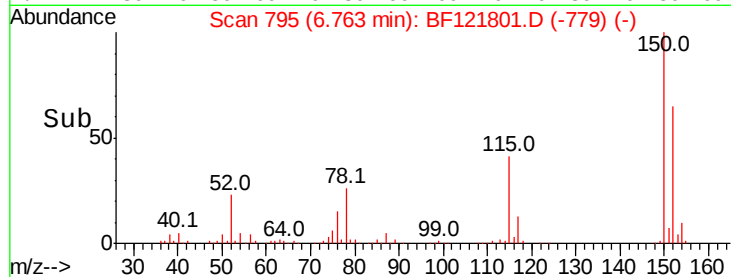
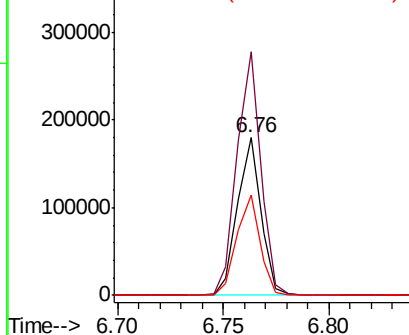


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

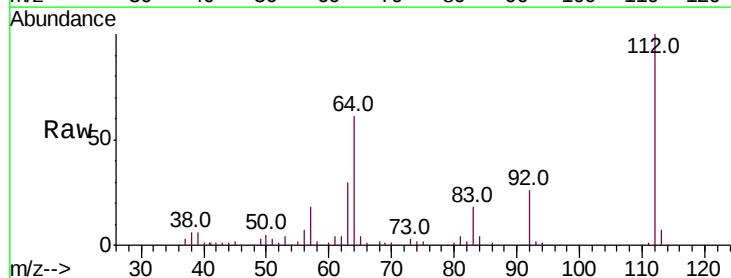
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 15.391 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	50.4	75.6
63	29.9	25.8	38.6

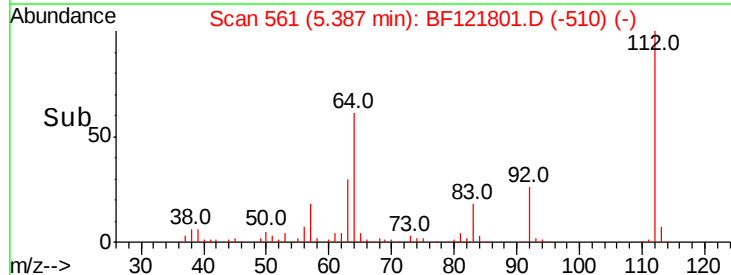
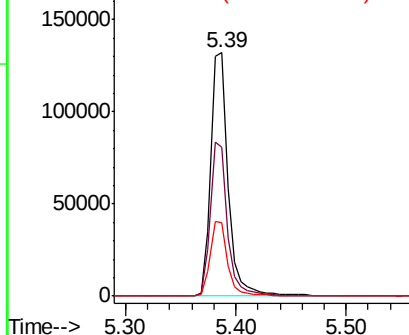


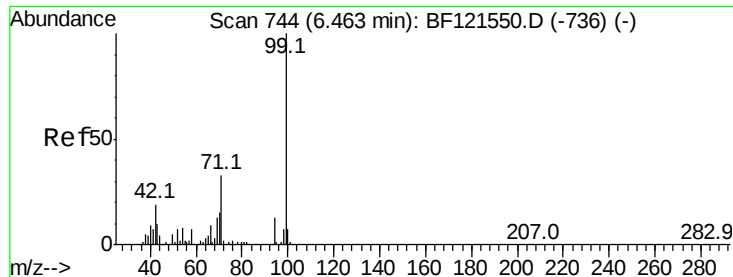
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 66.353 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121801.D

Acq: 2 Oct 2020 18:46

Instrument :

BNA_F

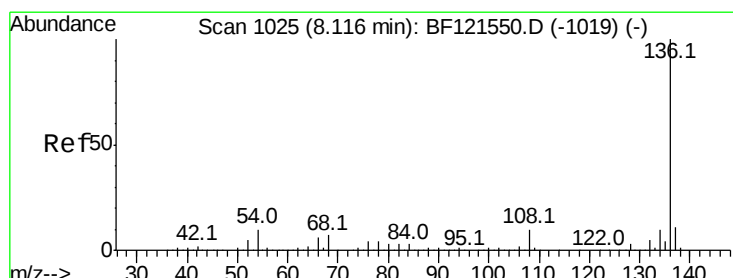
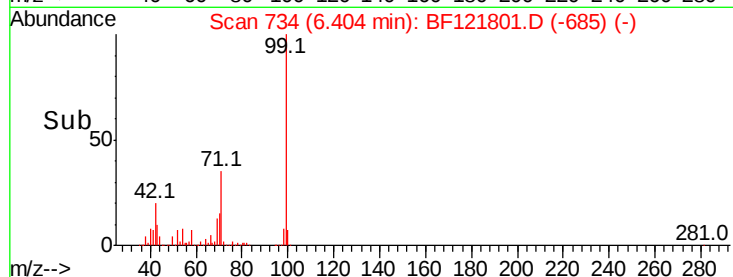
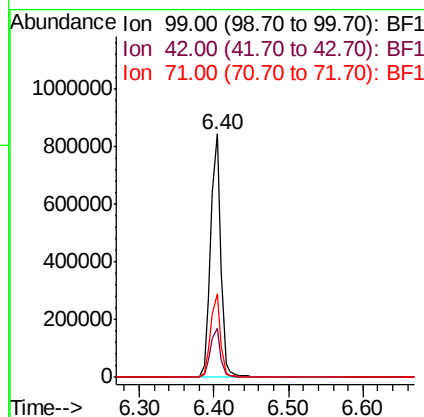
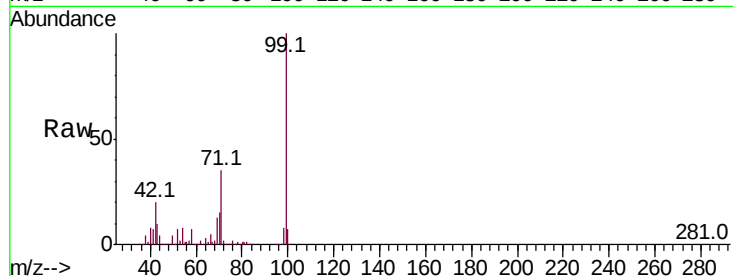
ClientSampleId :

B-15(9-11)

Tot Ion:	99	Resp:	807629
Ion Ratio	Lower	Upper	
99	100		
42	19.9	15.9	23.9
71	34.5	27.1	40.7

Manual Integrations
APPROVED

mohammad
10/5/2020 10:27:41 AM



#21

Naphthalene-d8

Concen: 20.000 ng

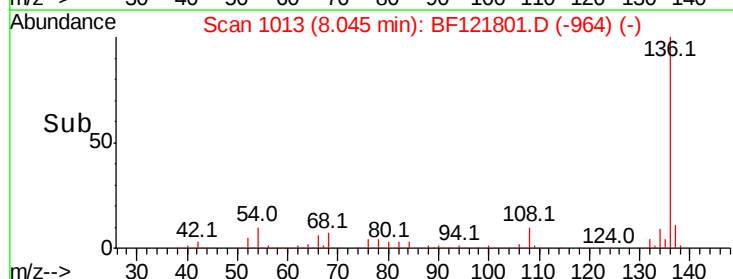
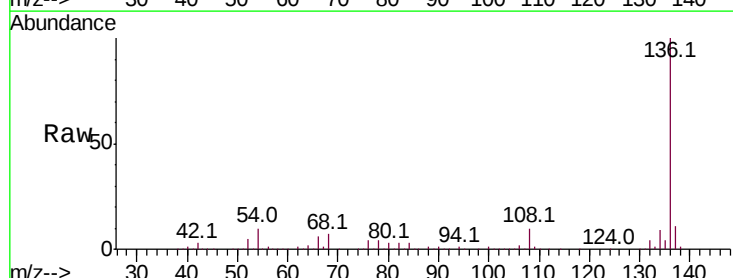
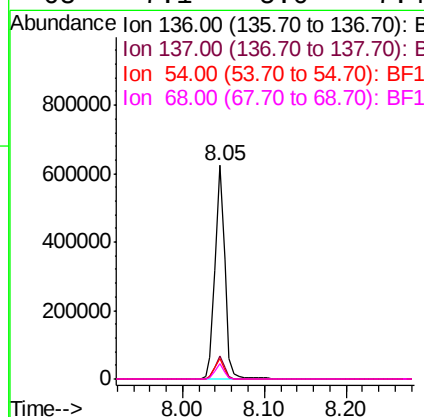
RT: 8.05 min Scan# 1013

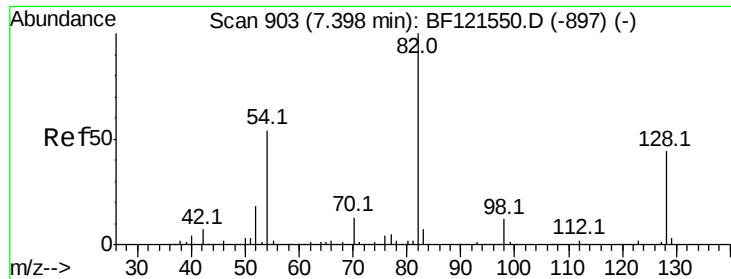
Delta R.T. -0.01 min

Lab File: BF121801.D

Acq: 2 Oct 2020 18:46

Tgt Ion:	136	Resp:	521206
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	9.6	7.1	10.7
68	7.1	5.0	7.4





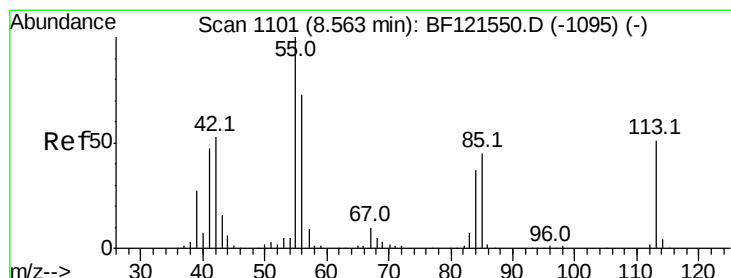
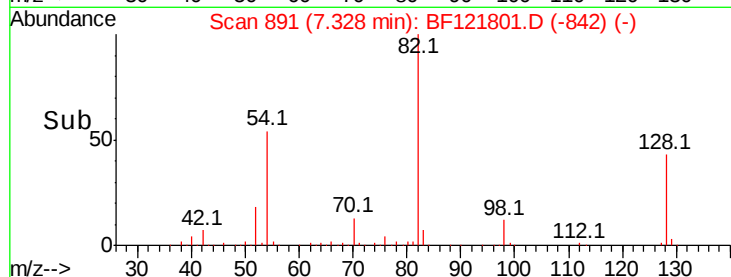
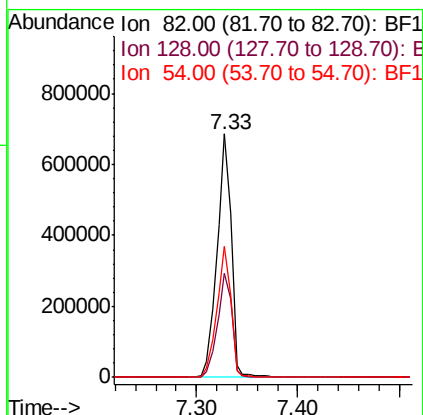
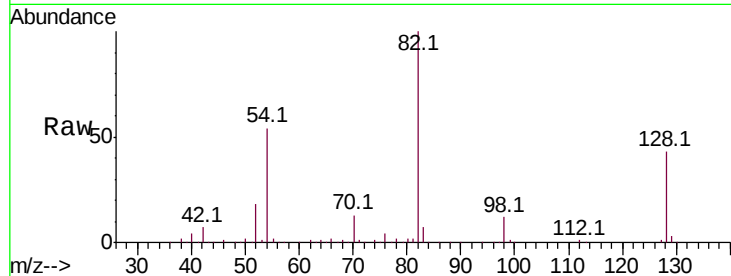
#23
Nitrobenzene-d5
Concen: 69.037 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Instrument :
BNA_F
ClientSampled :
B-15(9-11)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	670167		
128	42.8	35.0	52.4	
54	54.0	43.9	65.9	

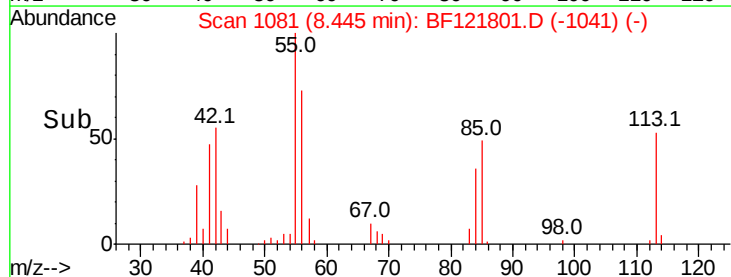
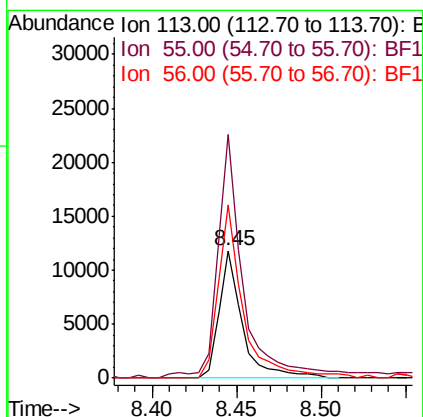
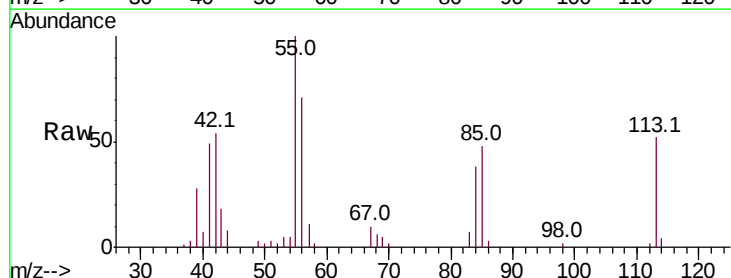
Manual Integrations
APPROVED

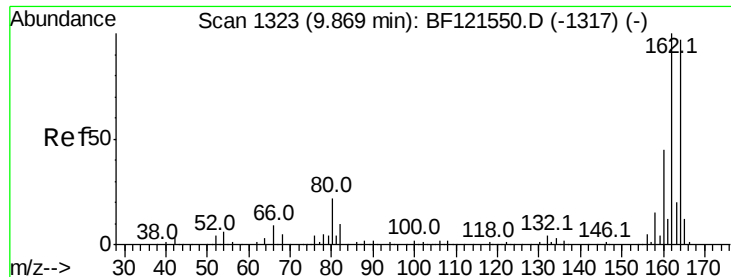
mohammad
10/5/2020 10:27:41 AM



#35
Caprolactam
Concen: 4.305 ng
RT: 8.45 min Scan# 1081
Delta R.T. -0.06 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	11391		
55	191.4	167.5	207.5	
56	136.2	121.2	161.2	





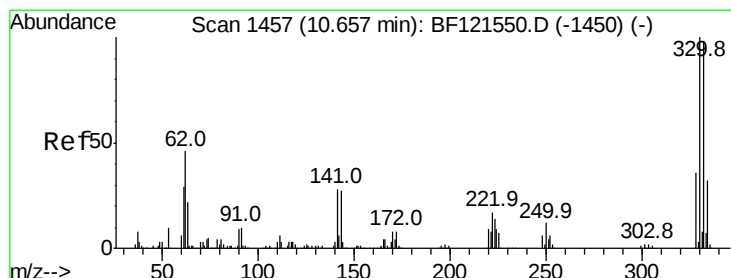
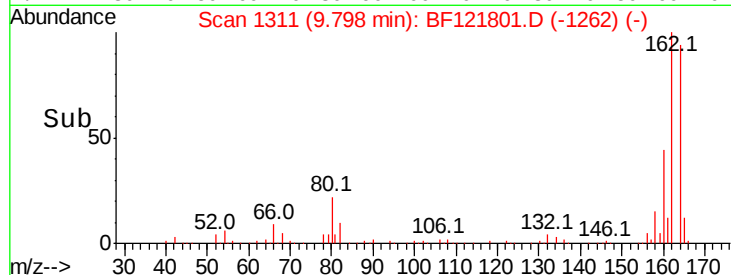
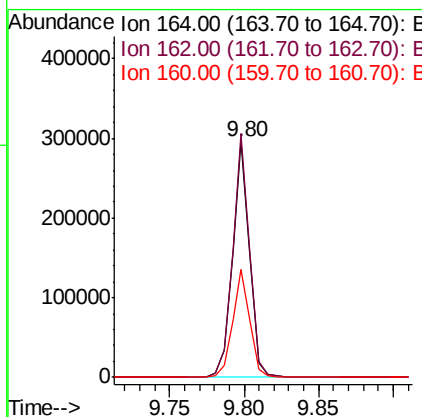
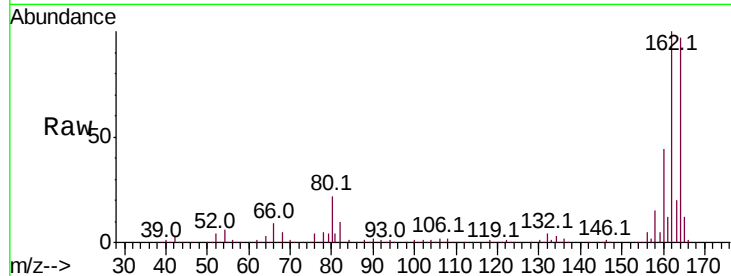
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Instrument :
BNA_F
ClientSampleId :
B-15(9-11)

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.2	124.8
160	45.7	37.5	56.3

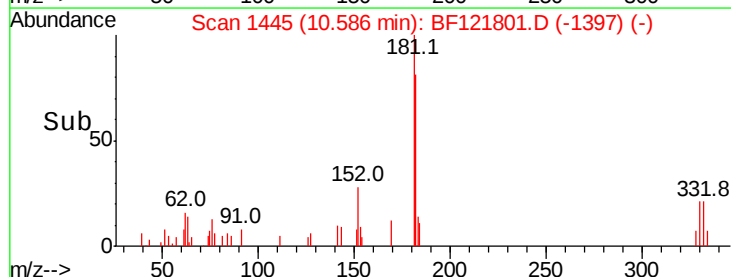
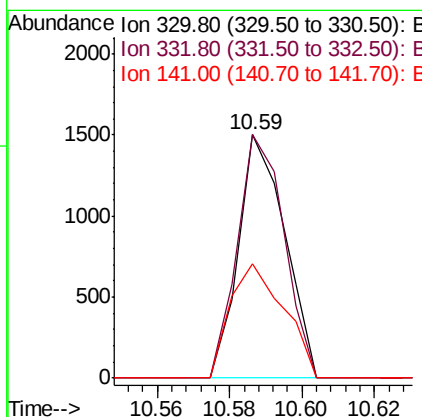
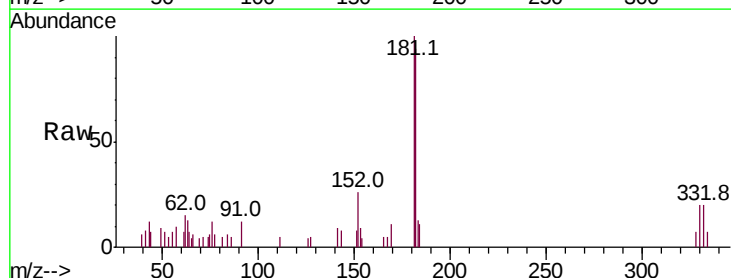
Manual Integrations
APPROVED

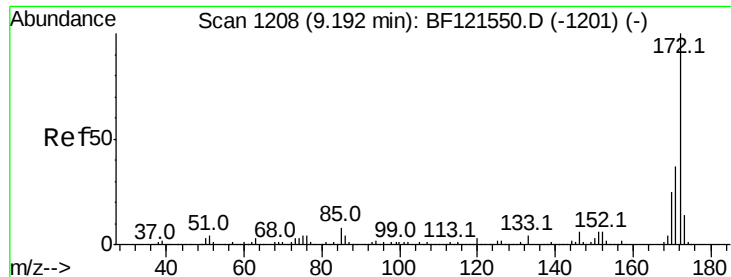
mohammad
10/5/2020 10:27:41 AM



#42
2,4,6-Tribromophenol
Concen: 0.450 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.02 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.0	77.3	115.9
141	54.6	22.3	33.5#





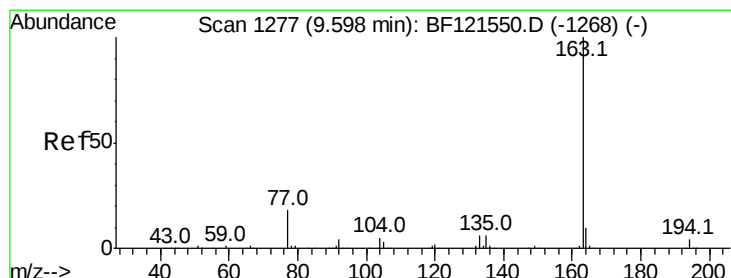
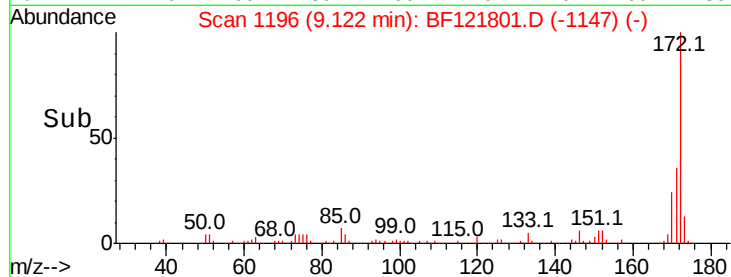
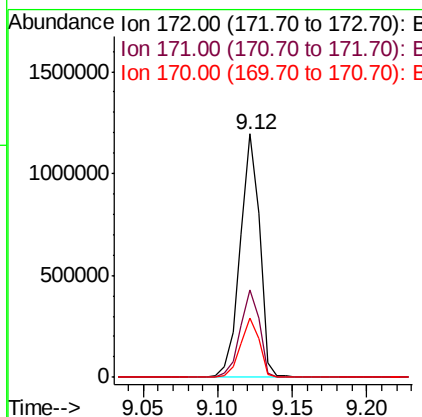
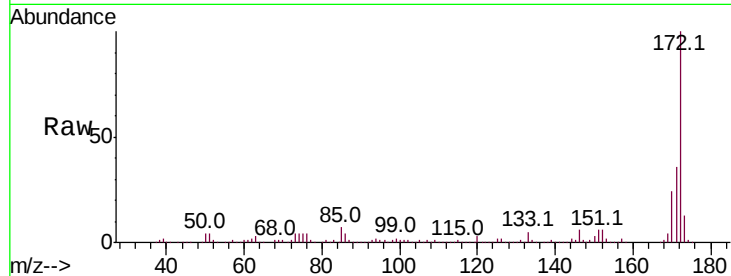
#45
2-Fluorobiphenyl
Concen: 69.419 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Instrument :
BNA_F
ClientSampleId :
B-15(9-11)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.1	43.7
170	24.4	19.8	29.6

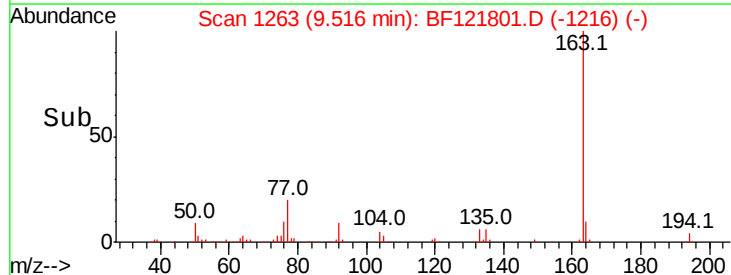
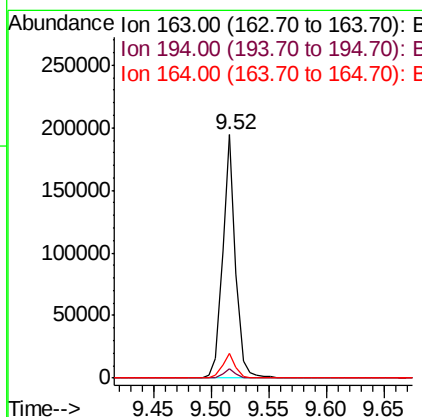
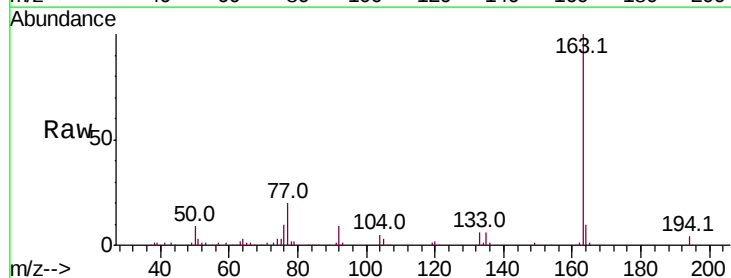
Manual Integrations
APPROVED

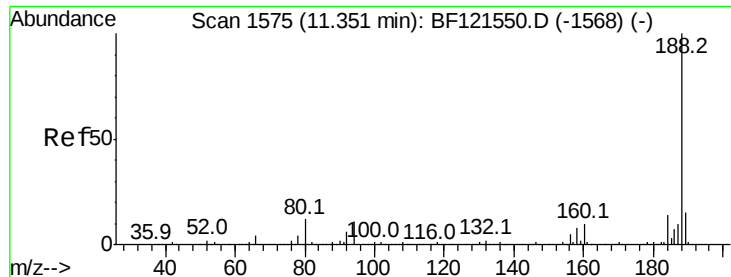
mohammad
10/5/2020 10:27:41 AM



#50
Dimethylphthalate
Concen: 8.691 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.0	8.2	12.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF121801.D

Acq: 2 Oct 2020 18:46

Instrument :

BNA_F

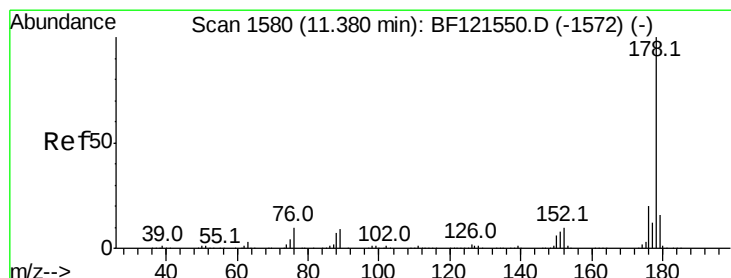
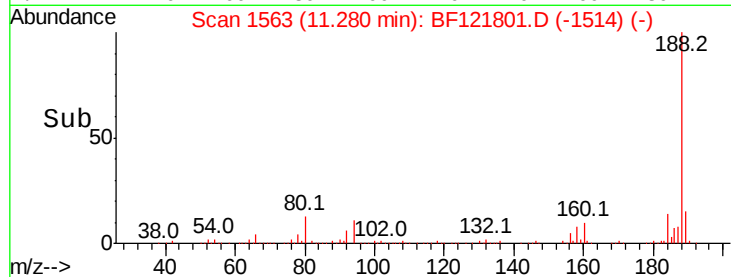
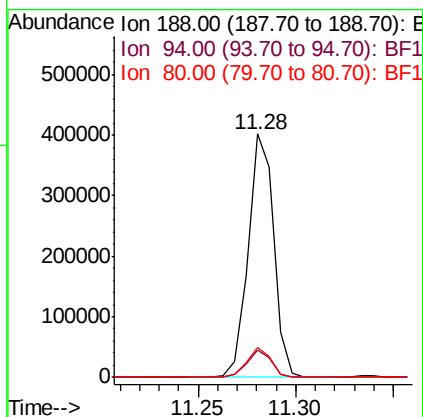
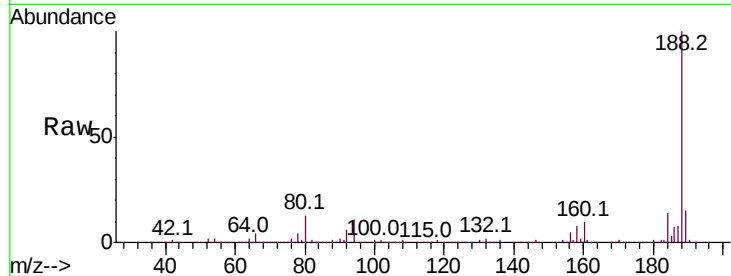
ClientSampleId :

B-15(9-11)

Tot Ion:	188	Resp:	362979
Ion Ratio	Lower	Upper	
188	100		
94	11.3	8.3	12.5
80	12.5	9.1	13.7

Manual Integrations
APPROVED

mohammad
10/5/2020 10:27:41 AM



#71

Phenanthrene

Concen: 17.020 ng

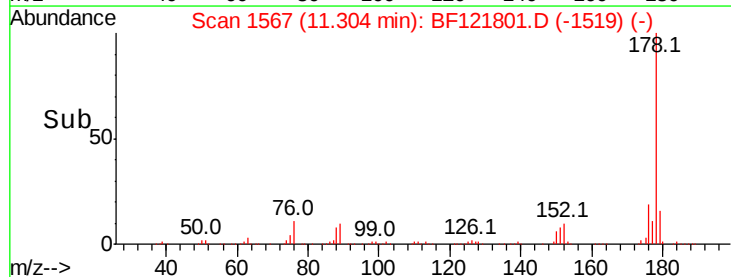
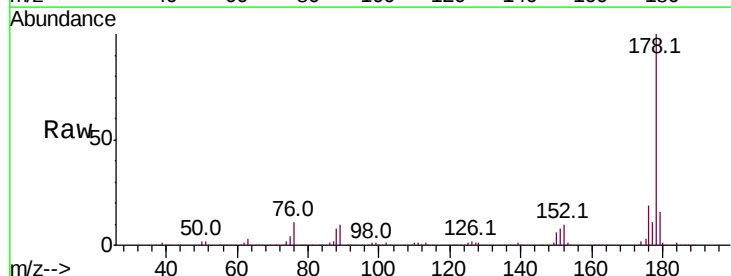
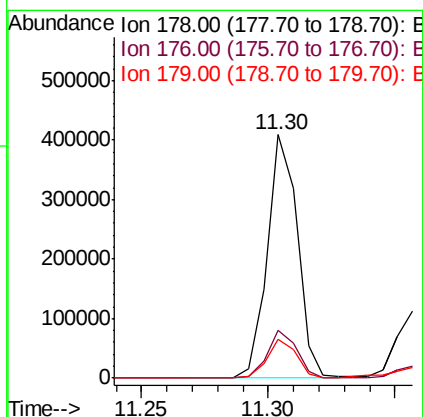
RT: 11.30 min Scan# 1567

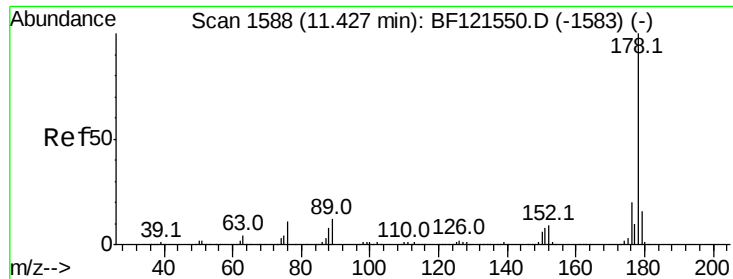
Delta R.T. -0.02 min

Lab File: BF121801.D

Acq: 2 Oct 2020 18:46

Tgt Ion:	178	Resp:	336606
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.9	23.9
179	15.7	12.2	18.4





#72

Anthracene

Concen: 4.488 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121801.D

Acq: 2 Oct 2020 18:46

Instrument :

BNA_F

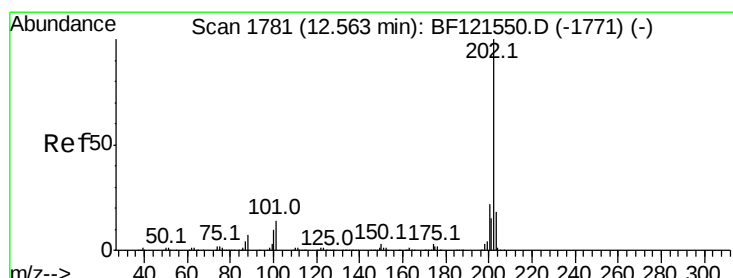
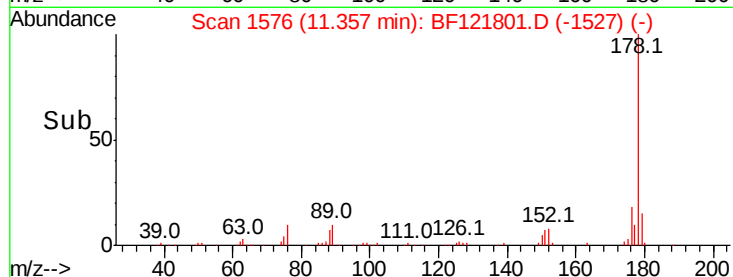
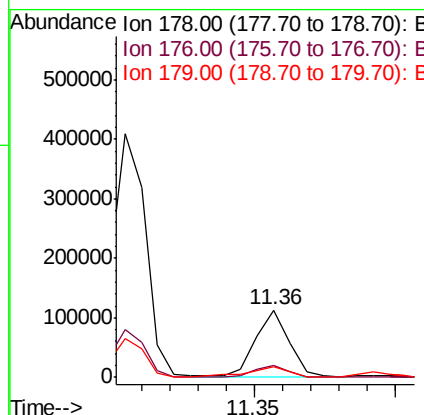
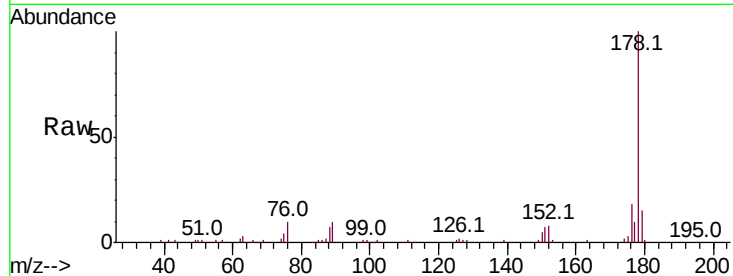
ClientSampleId :

B-15(9-11)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.7	23.5
179	15.1	12.7	19.1

Manual Integrations
APPROVED

mohammad
10/5/2020 10:27:41 AM



#75

Fluoranthene

Concen: 22.273 ng

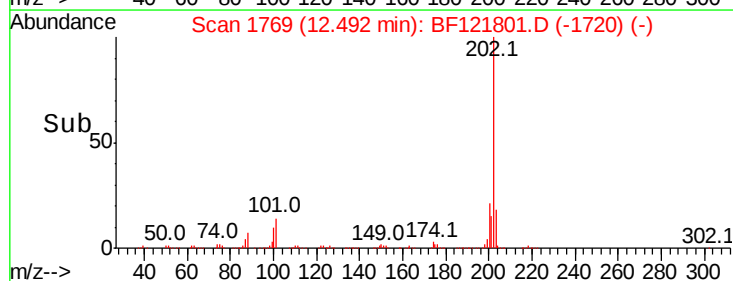
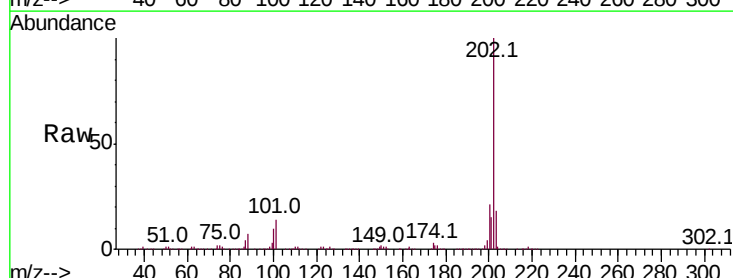
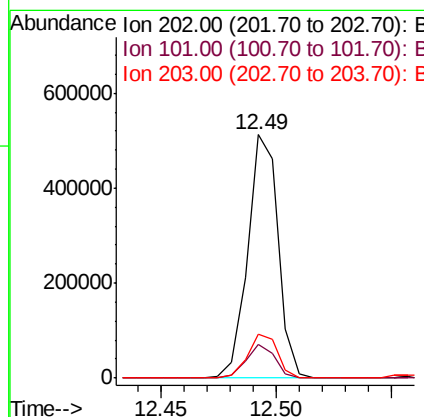
RT: 12.49 min Scan# 1769

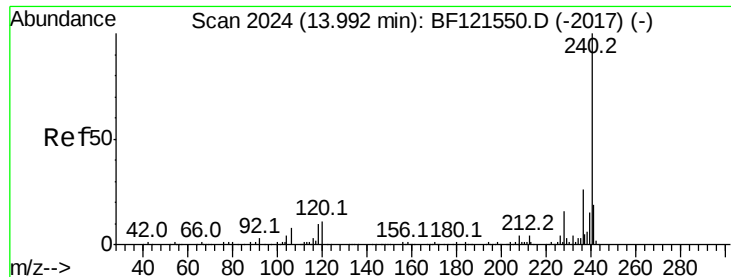
Delta R.T. -0.01 min

Lab File: BF121801.D

Acq: 2 Oct 2020 18:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.4
203	17.9	0.0	37.9





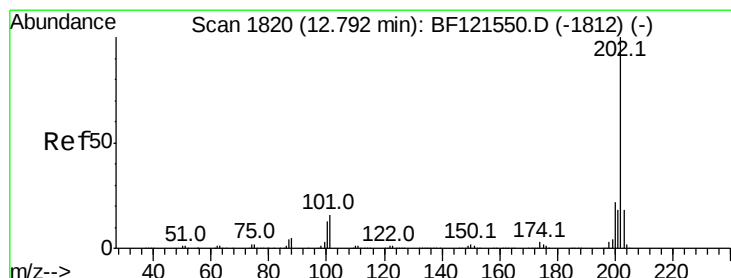
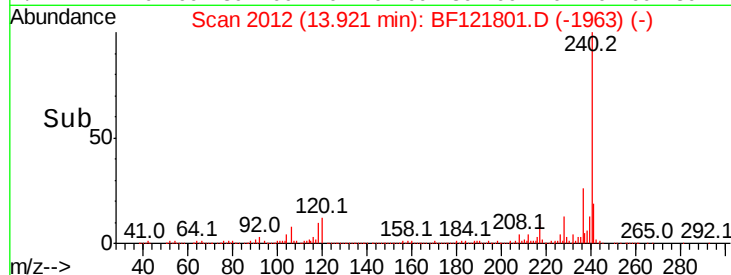
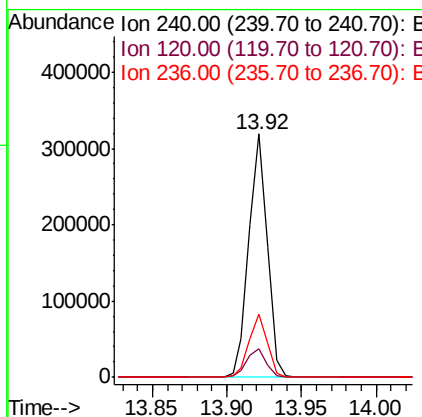
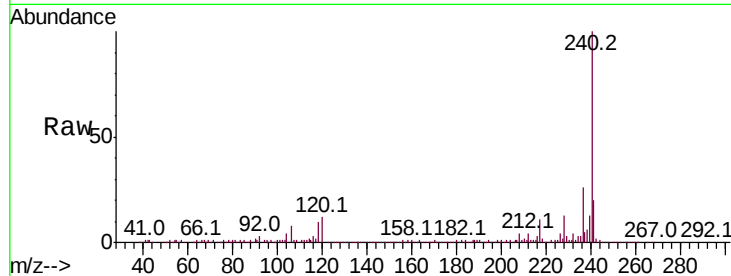
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF121801.D
 Acq: 2 Oct 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :
 B-15(9-11)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.2	13.8
236	25.8	20.9	31.3

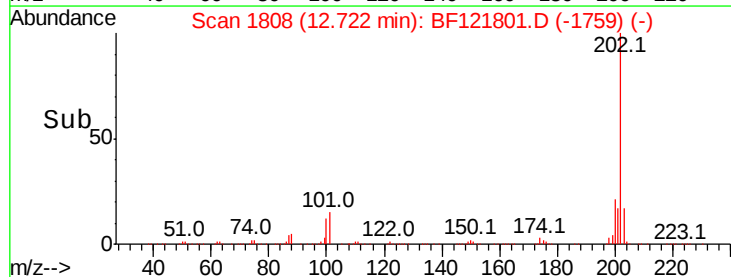
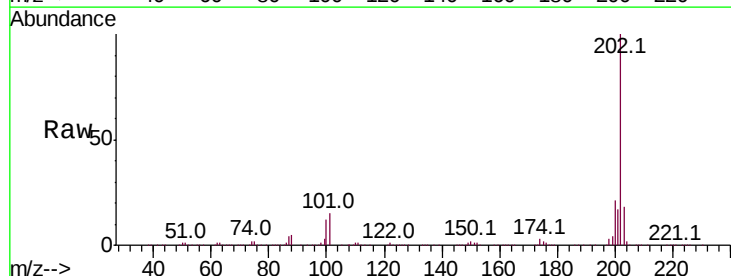
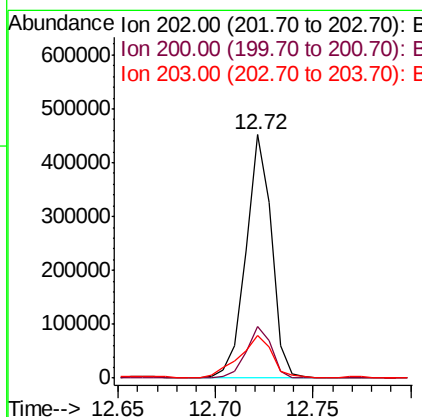
Manual Integrations
 APPROVED

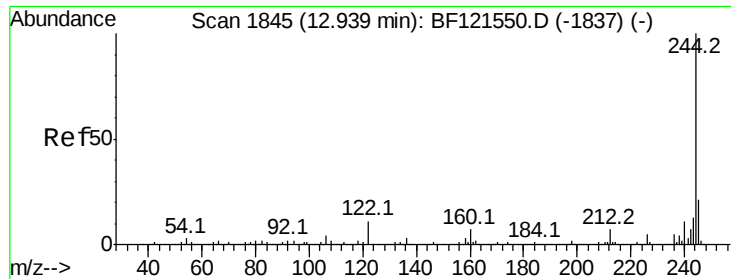
mohammad
 10/5/2020 10:27:41 AM



#78
 Pyrene
 Concen: 20.431 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF121801.D
 Acq: 2 Oct 2020 18:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.6	21.8





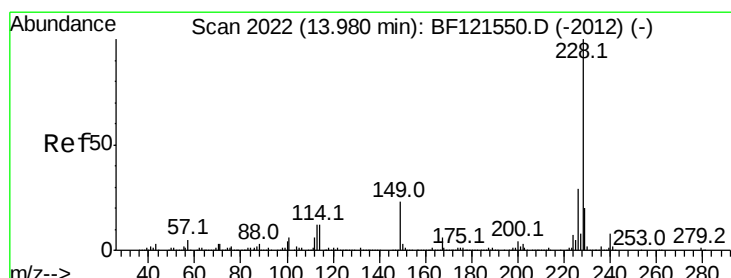
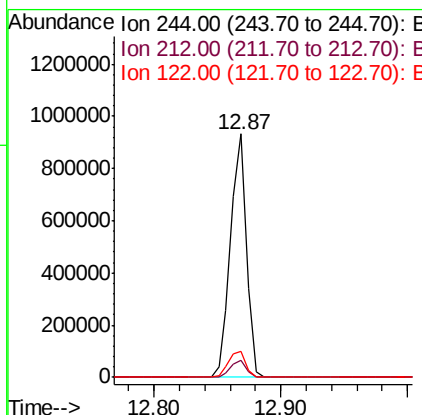
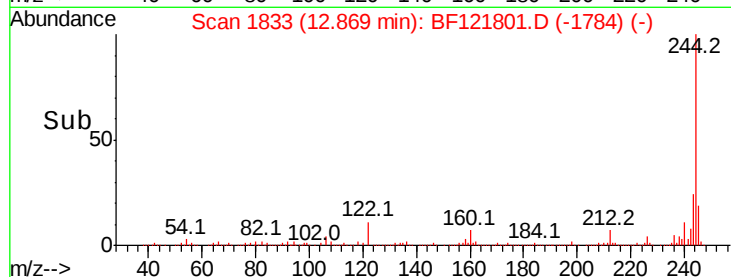
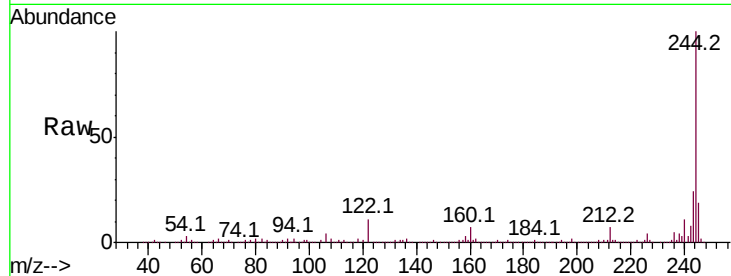
#79
 Terphenyl-d14
 Concen: 59.510 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF121801.D
 Acq: 2 Oct 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :
 B-15(9-11)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	10.8	8.1	12.1

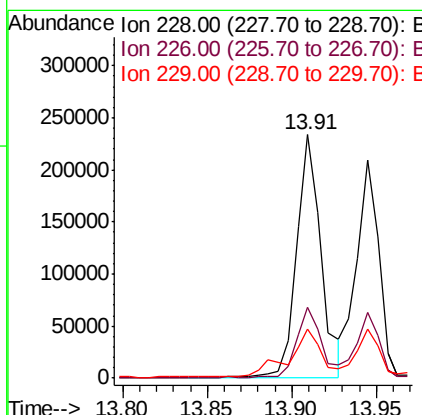
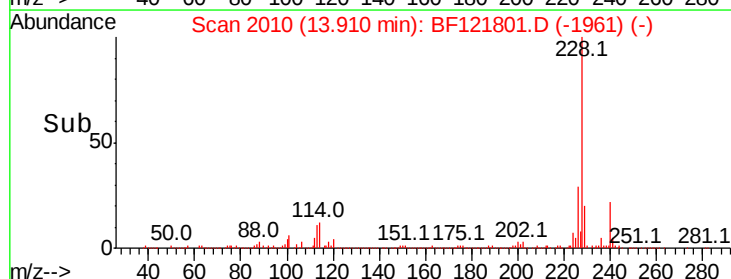
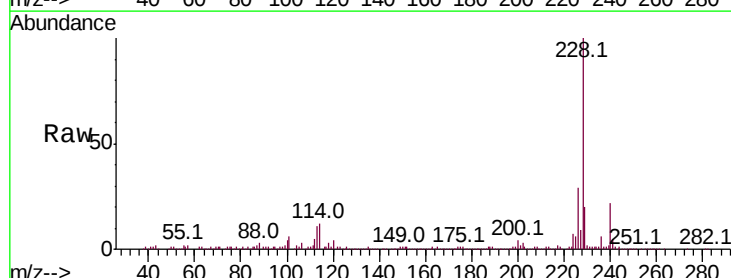
Manual Integrations
 APPROVED

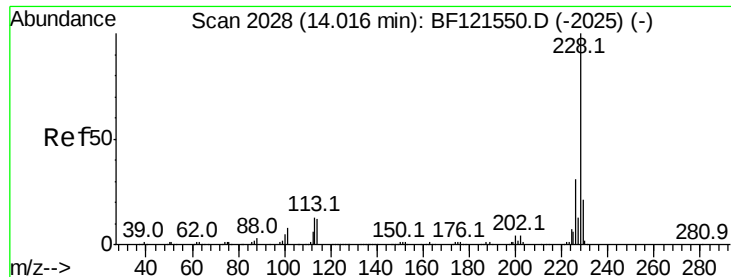
mohammad
 10/5/2020 10:27:41 AM



#81
 Benzo(a)anthracene
 Concen: 13.515 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF121801.D
 Acq: 2 Oct 2020 18:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.3	33.5
229	20.2	16.2	24.4





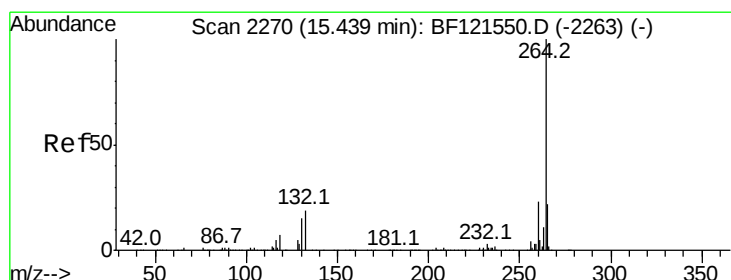
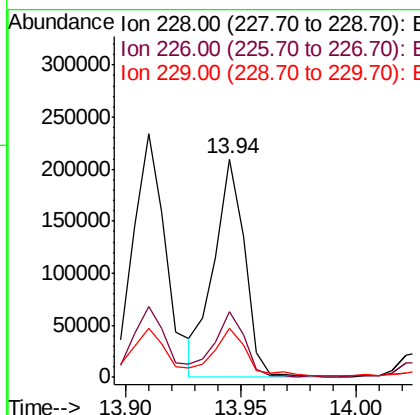
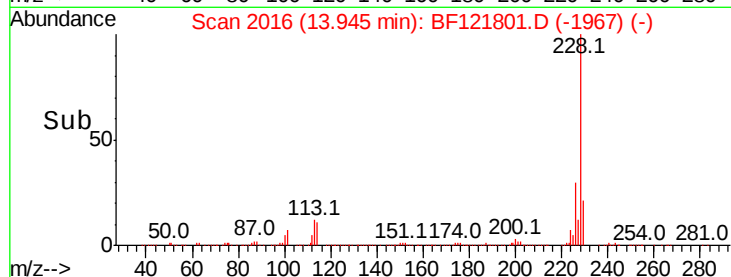
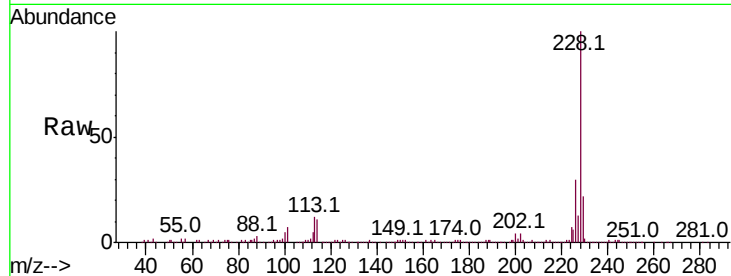
#83
Chrysene
Concen: 10.915 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Instrument :
BNA_F
ClientSampleId :
B-15(9-11)

Tot Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.2	24.6	37.0
229	22.3	15.9	23.9

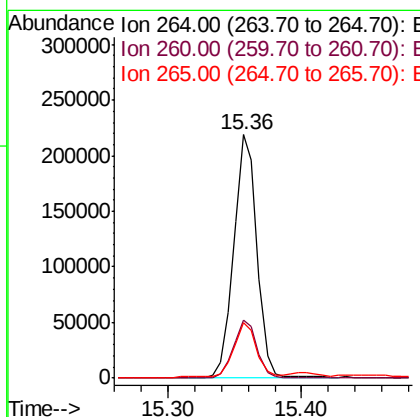
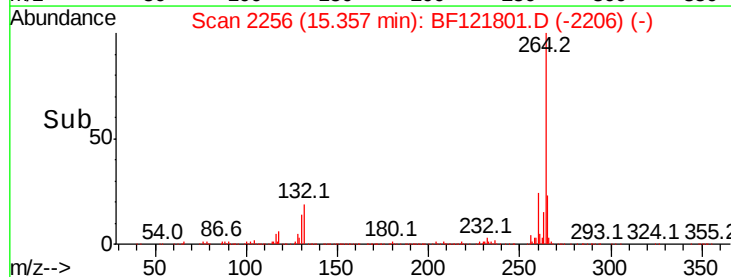
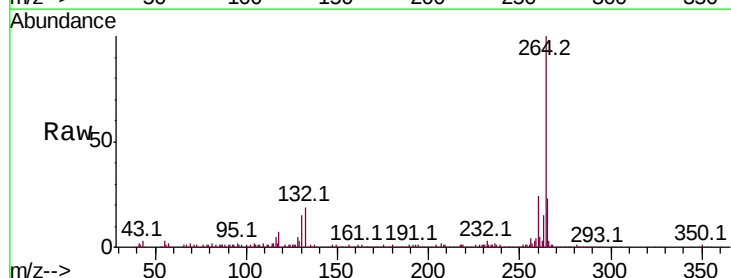
Manual Integrations
APPROVED

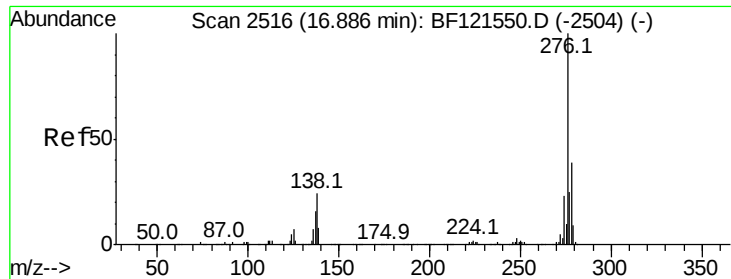
mohammad
10/5/2020 10:27:41 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.9	18.7	28.1
265	22.8	17.3	25.9





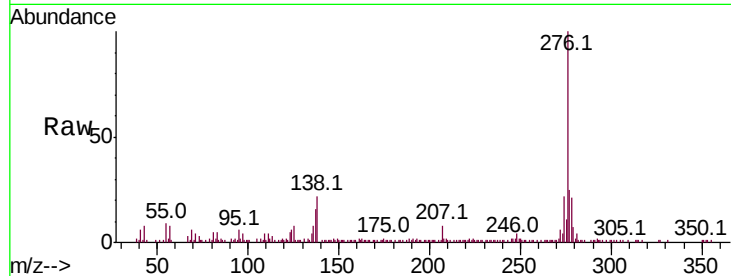
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.685 ng
 RT: 16.76 min Scan# 2495
 Delta R.T. -0.02 min
 Lab File: BF121801.D
 Acq: 2 Oct 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :
 B-15(9-11)

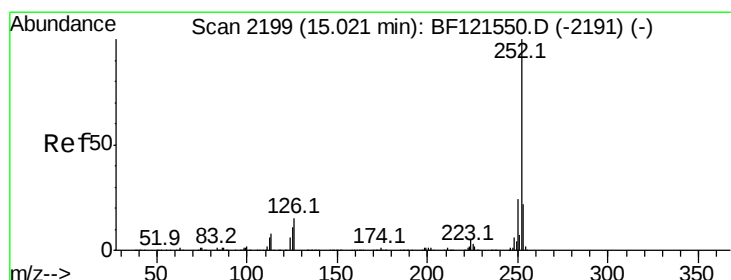
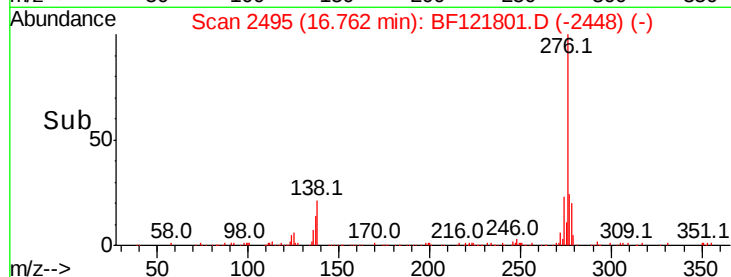
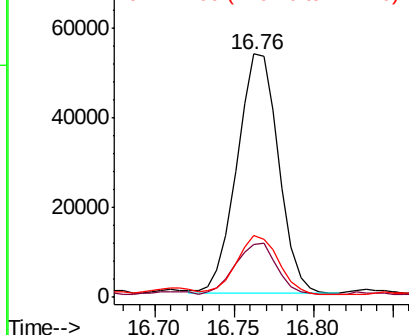
Tot Ion:	276	Resp:	97616
Ion Ratio	Lower	Upper	
276	100		
138	22.3	19.9	29.9
277	25.3	20.4	30.6

Manual Integrations
 APPROVED

mohammad
 10/5/2020 10:27:41 AM



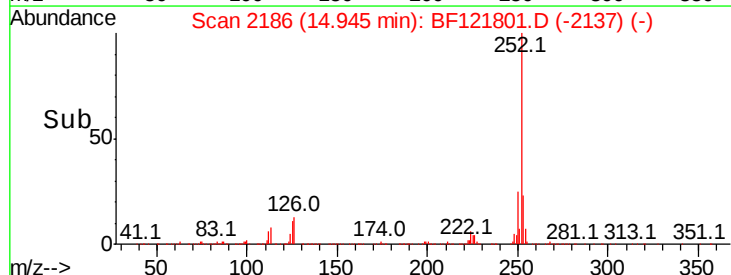
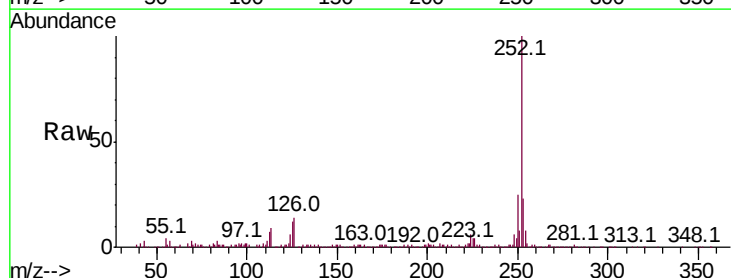
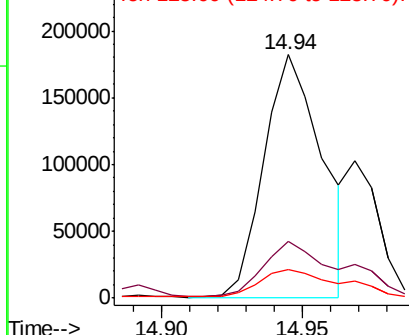
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

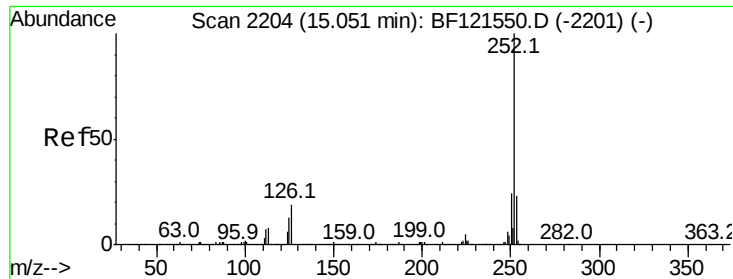


#88
 Benzo(b)fluoranthene
 Concen: 14.763 ng m
 RT: 14.94 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF121801.D
 Acq: 2 Oct 2020 18:46

Tgt Ion:	252	Resp:	260201
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.2
125	11.7	8.0	12.0

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





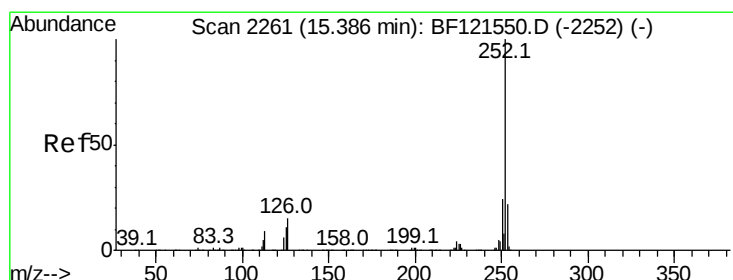
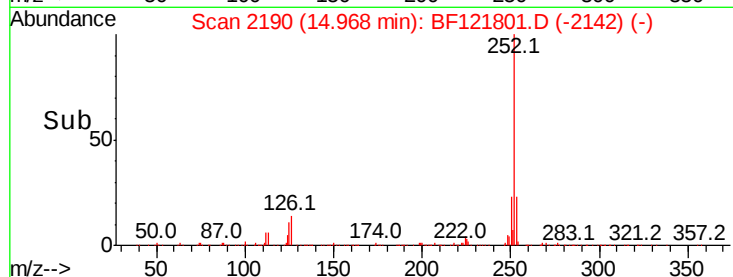
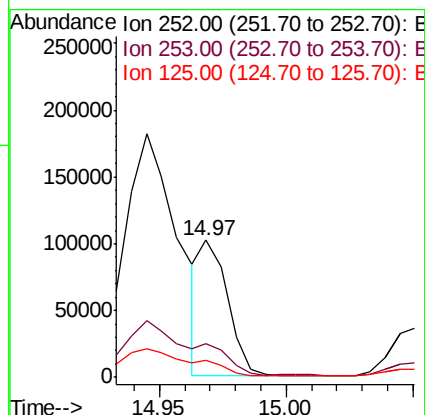
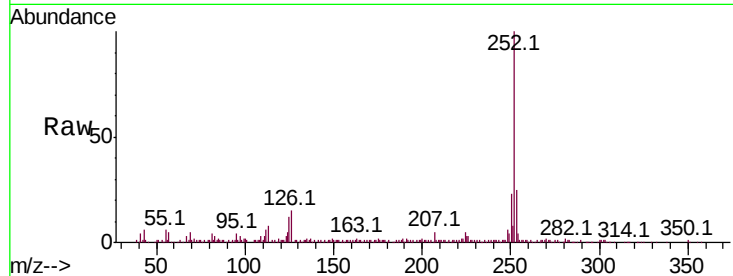
#89
Benzo(k)fluoranthene
Concen: 4.807 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Instrument :
BNA_F
ClientSampled :
B-15(9-11)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	12.4	7.7	11.5

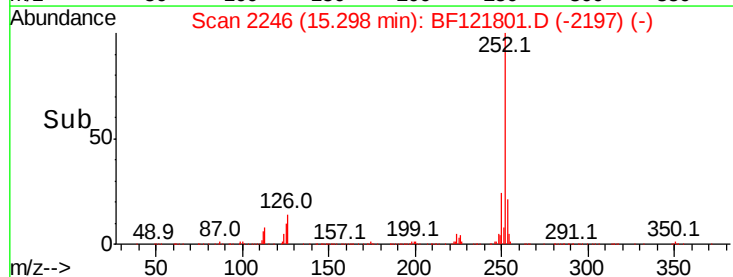
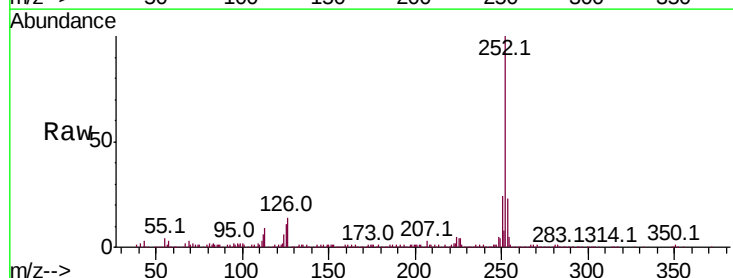
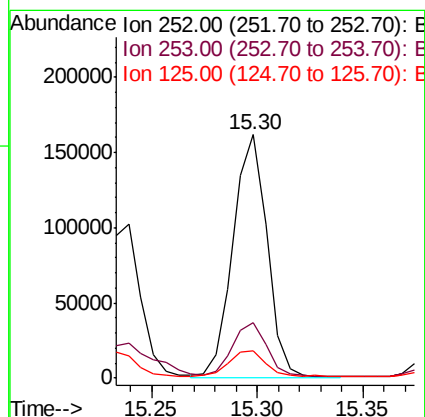
Manual Integrations
APPROVED

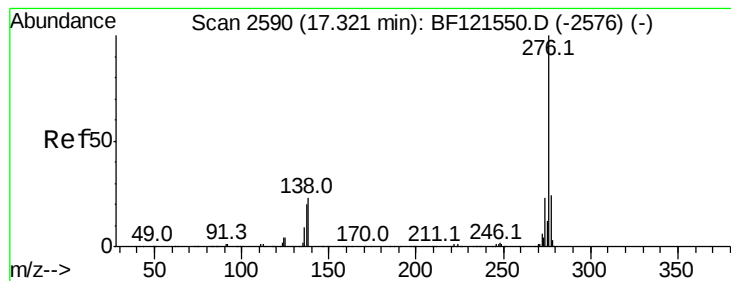
mohammad
10/5/2020 10:27:41 AM



#90
Benzo(a)pyrene
Concen: 11.978 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121801.D
Acq: 2 Oct 2020 18:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	11.0	8.6	13.0





#92

Benzo(a,h,i)perylene

Concen: 6.527 ng

RT: 17.19 min Scan# 2568

Delta R.T. -0.02 min

Lab File: BF121801.D

Acq: 2 Oct 2020 18:46

Instrument :

BNA_F

ClientSampleId :

B-15(9-11)

Tot Ion:	276	Resp:	91696
Ion Ratio	Lower	Upper	
276	100		
277	23.1	19.4	29.2
138	22.2	17.8	26.6

Manual Integrations
APPROVED

mohammad
10/5/2020 10:27:41 AM

