

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121857.D
 Acq On : 6 Oct 2020 17:31
 Operator : JU/CG
 Sample : L4230-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2015

Manual Integrations
 APPROVED

mohammad
 10/7/2020 10:40:59 AM

Quant Time: Oct 07 09:03:45 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	119260	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	450485	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	207613	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	319621	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	255667	20.00	ng	-0.01
86) Perylene-d12	15.36	264	267827	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	709319	88.39	ng	0.00
7) Phenol-d6	6.40	99	908608	86.30	ng	-0.01
23) Nitrobenzene-d5	7.33	82	621304	74.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	182220	70.62	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	946421	69.04	ng	-0.01
79) Terphenyl-d14	12.87	244	625284	49.55	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.52	163	120989	8.040	ng	100
71) Phenanthrene	11.30	178	248617	14.277	ng	98
72) Anthracene	11.36	178	48346	2.690	ng	97
75) Fluoranthene	12.50	202	476250	25.619	ng	98
78) Pyrene	12.72	202	394398	21.114	ng	99
81) Benzo(a)anthracene	13.91	228	208986	12.920	ng	98
83) Chrysene	13.94	228	216471	13.216	ng	98
87) Indeno(1,2,3-cd)pyrene	16.77	276	109739	6.292	ng	96
88) Benzo(b)fluoranthene	14.94	252	286603m	16.007	ng	
89) Benzo(k)fluoranthene	14.97	252	105214m	6.417	ng	
90) Benzo(a)pyrene	15.30	252	183883	12.082	ng	99
91) Dibenzo(a,h)anthracene	16.77	278	30011m	2.067	ng	
92) Benzo(a,h,i)perylene	17.20	276	101803	7.133	ng	98

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

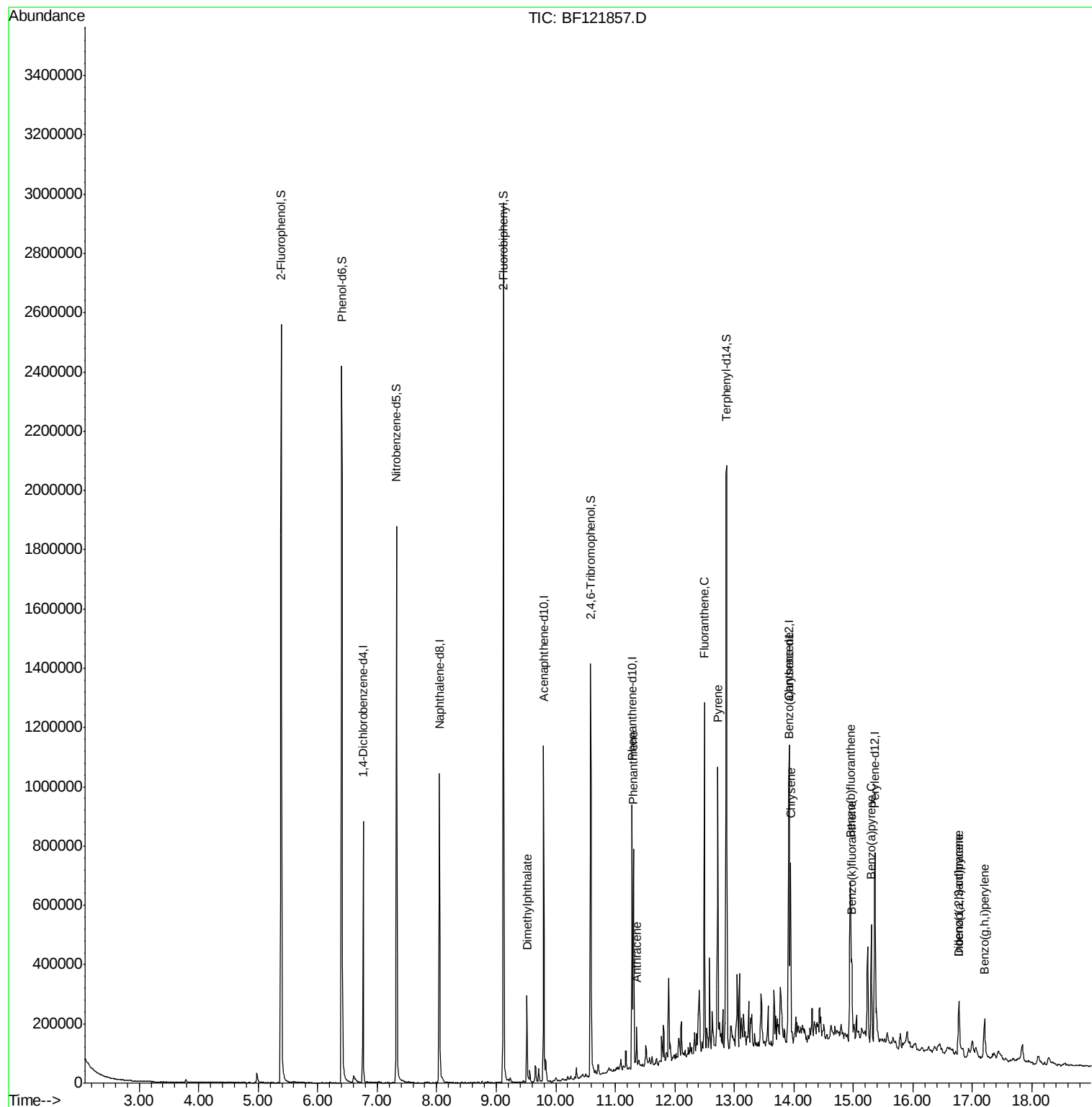
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121857.D
Acq On : 6 Oct 2020 17:31
Operator : JU/CG
Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

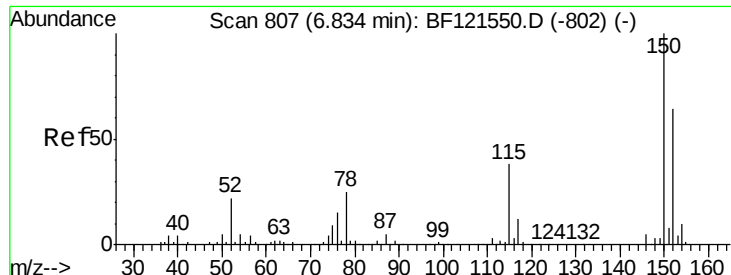
Instrument :
BNA_F
ClientSampleId :
2015

Manual Integrations
APPROVED

mohammad
10/7/2020 10:40:59 AM

Quant Time: Oct 07 09:03:45 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

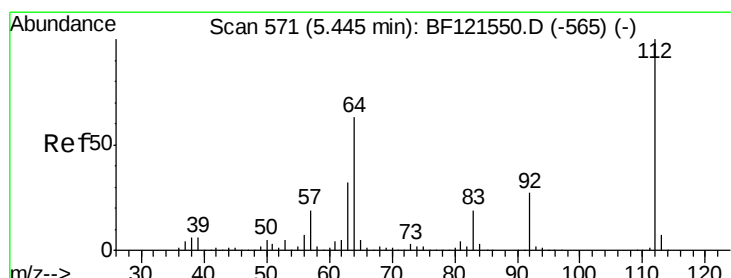
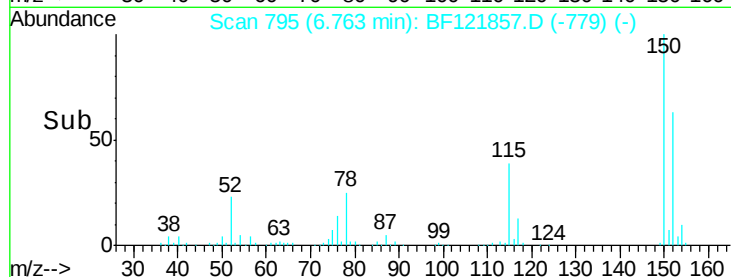
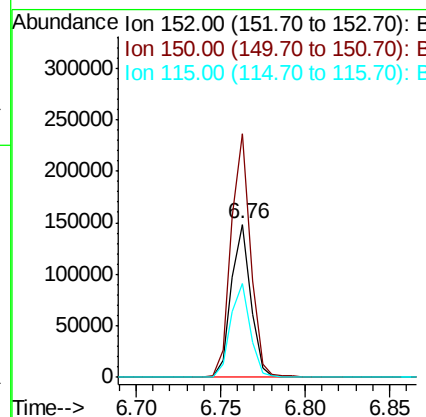
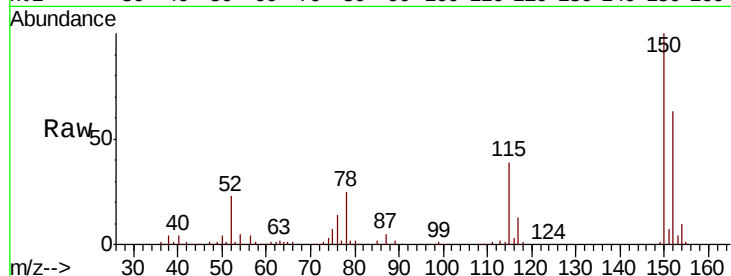
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampled :
2015

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.3	187.9
115	61.2	51.9	77.9

Manual Integrations
APPROVED

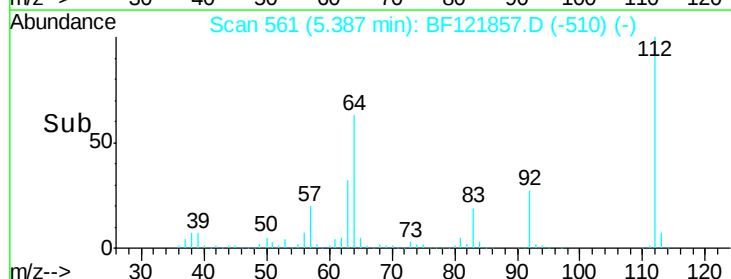
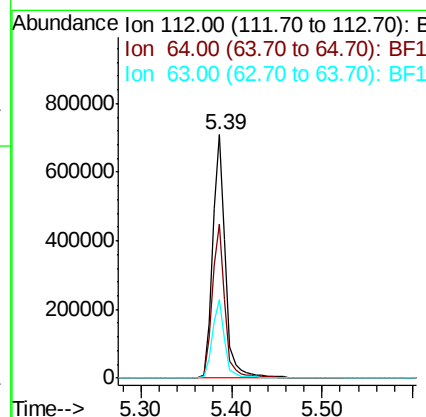
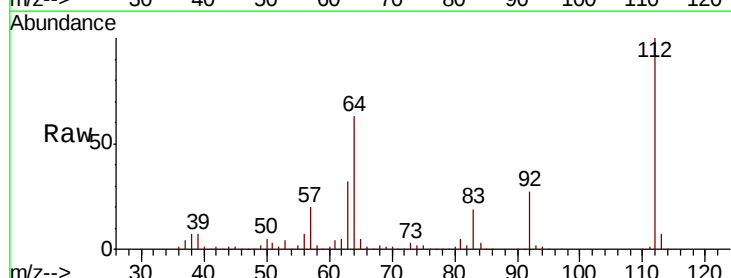
mohammad
10/7/2020 10:40:59 AM



#5

2-Fluorophenol
Concen: 88.390 ng
RT: 5.39 min Scan# 561
Delta R.T. -0.00 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	50.4	75.6
63	32.4	25.8	38.6





#7

Phenol-d6

Concen: 86.302 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

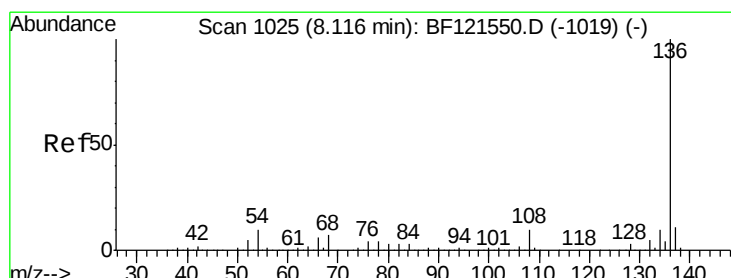
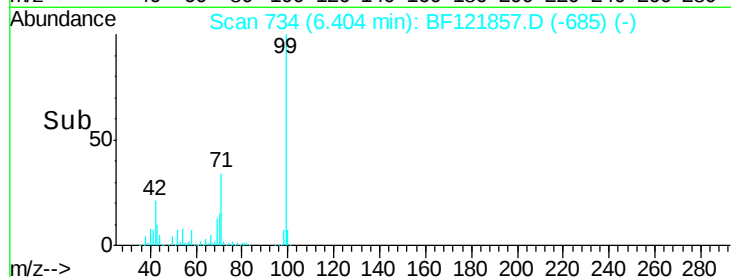
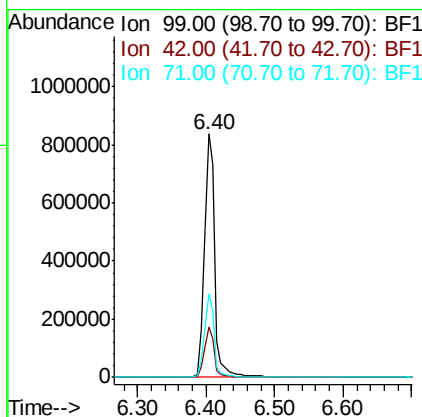
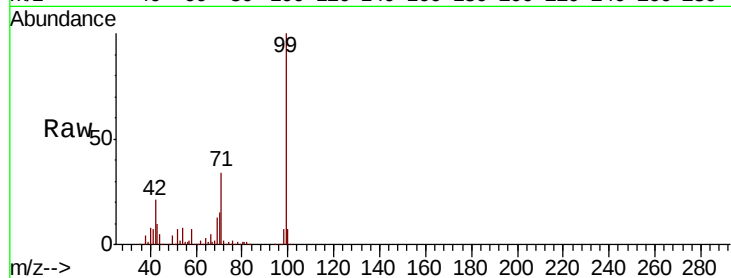
BNA_F

ClientSampled :
2015

Tot Ion:	99	Resp:	908608
Ion Ratio	Lower	Upper	
99	100		
42	20.8	15.9	23.9
71	34.2	27.1	40.7

Manual Integrations
APPROVED

mohammad
10/7/2020 10:40:59 AM



#21

Naphthalene-d8

Concen: 20.000 ng

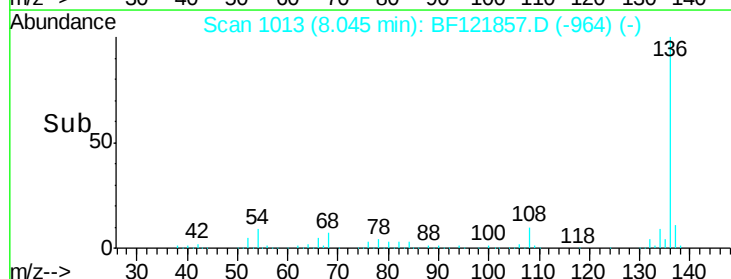
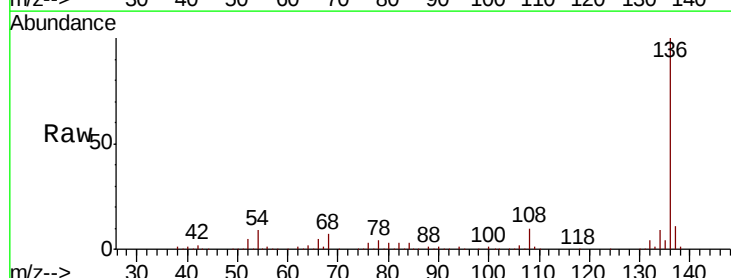
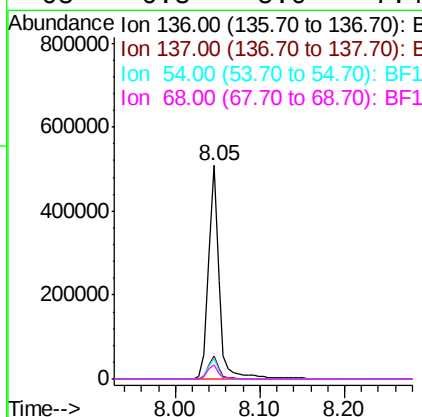
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Tgt Ion:	136	Resp:	450485
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	9.3	7.1	10.7
68	6.8	5.0	7.4





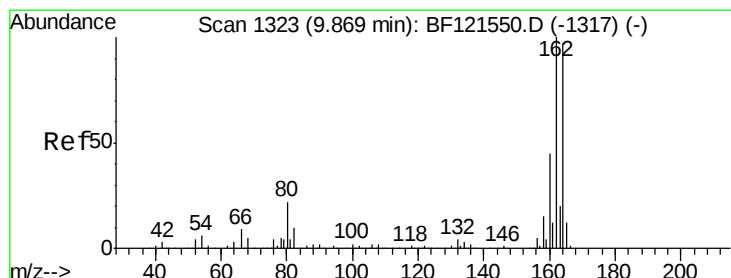
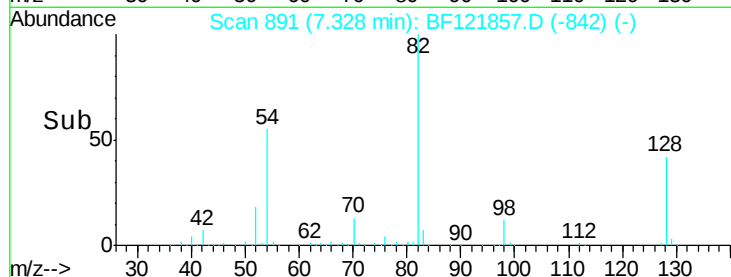
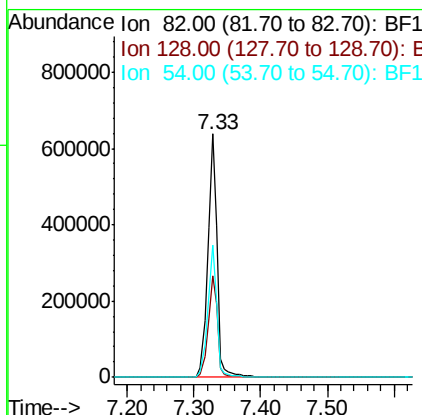
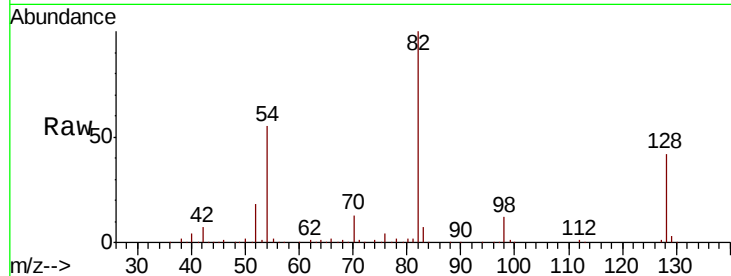
#23
Nitrobenzene-d5
Concen: 74.051 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampled :
2015

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	35.0	52.4
54	54.6	43.9	65.9

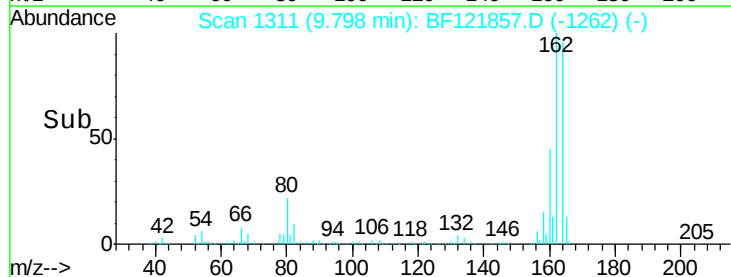
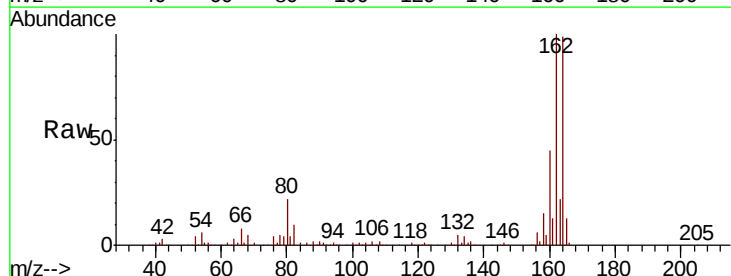
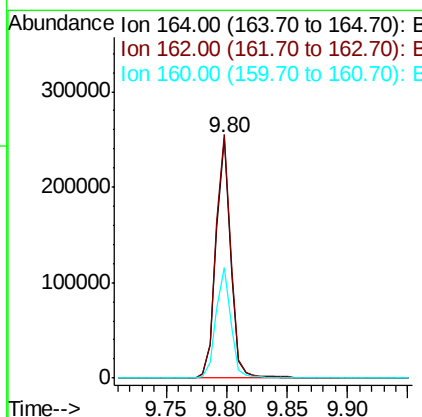
Manual Integrations
APPROVED

mohammad
10/7/2020 10:40:59 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.2	124.8
160	46.0	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 70.618 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

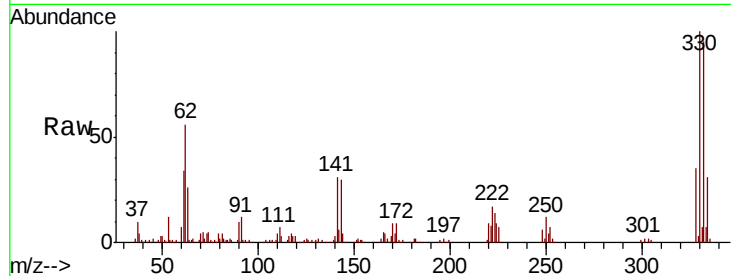
BNA_F

ClientSampled :
2015

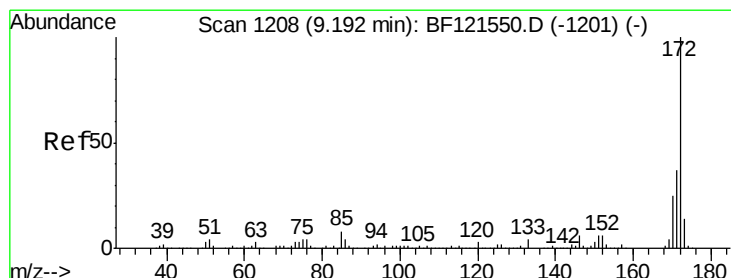
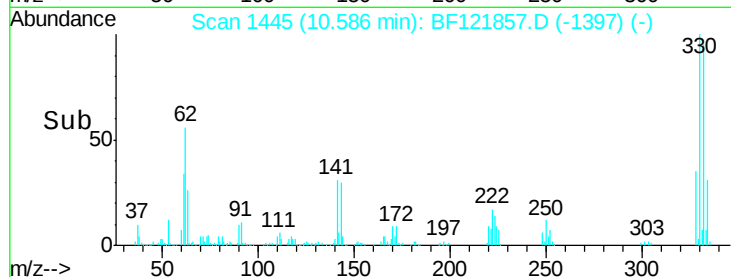
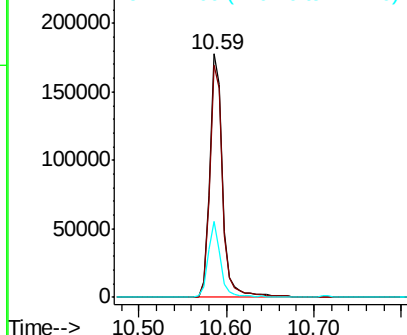
Tot Ion:	330	Resp:	182220
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.3	115.9
141	30.9	22.3	33.5

Manual Integrations
APPROVED

mohammad
10/7/2020 10:40:59 AM



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



#45

2-Fluorobiphenyl

Concen: 69.041 ng

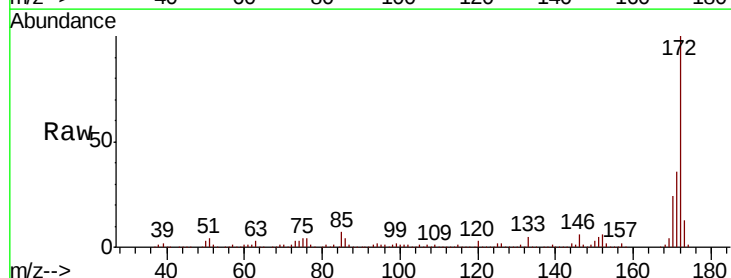
RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

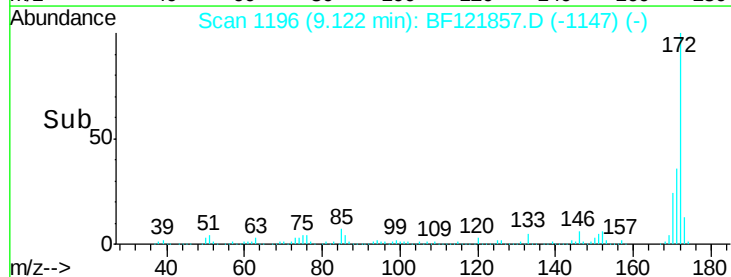
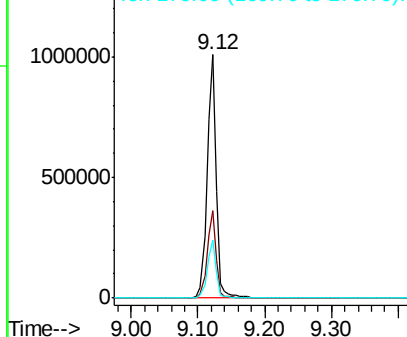
Lab File: BF121857.D

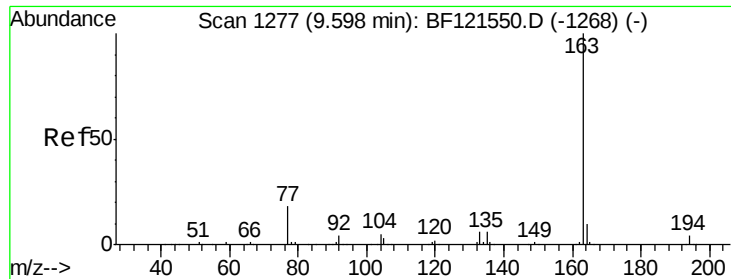
Acq: 6 Oct 2020 17:31

Tgt Ion:	172	Resp:	946421
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.1	43.7
170	24.1	19.8	29.6



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.040 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

BNA_F

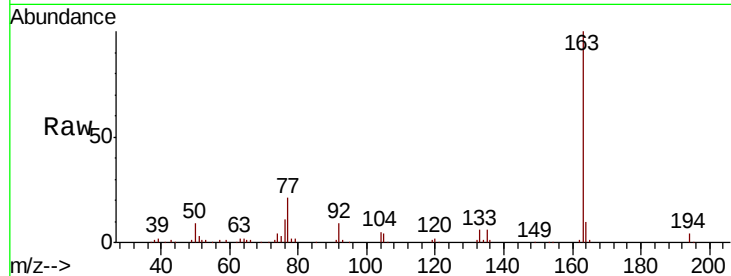
ClientSampleId :

2015

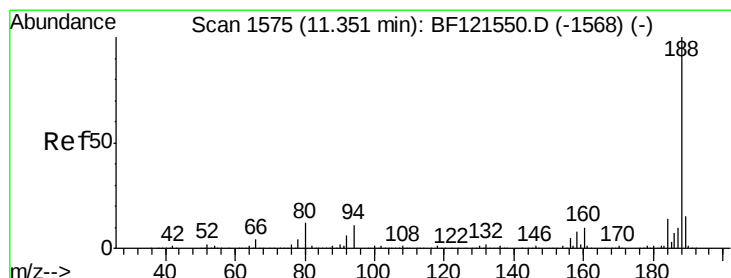
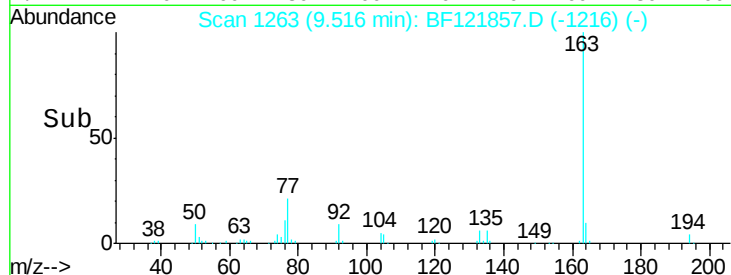
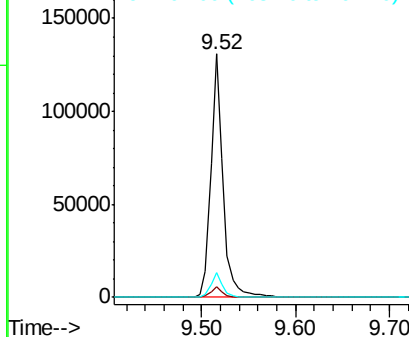
Tot Ion:	163	Resp:	120989
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.3	8.2	12.4

Manual Integrations
APPROVED

mohammad
10/7/2020 10:40:59 AM



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

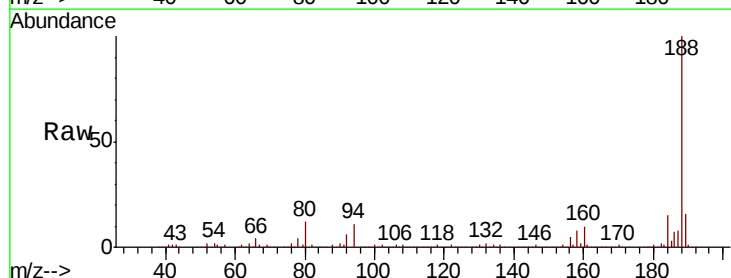
RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

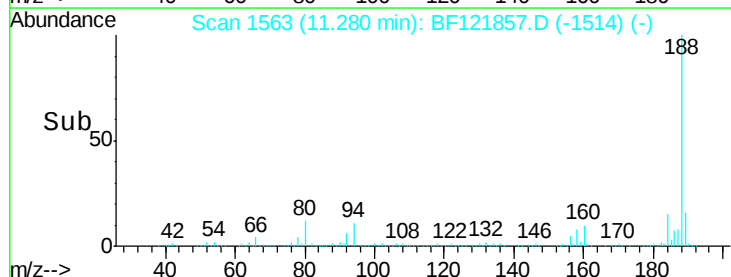
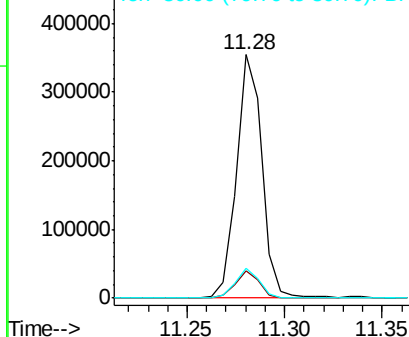
Lab File: BF121857.D

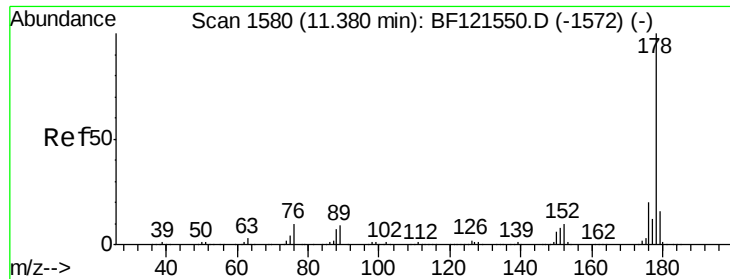
Acq: 6 Oct 2020 17:31

Tgt Ion:	188	Resp:	319621
Ion Ratio	Lower	Upper	
188	100		
94	11.4	8.3	12.5
80	12.5	9.1	13.7



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





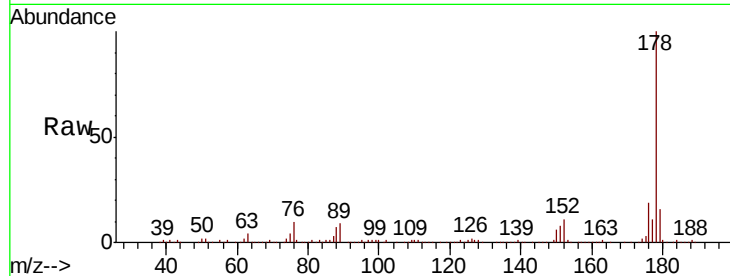
#71
Phenanthrene
Concen: 14.277 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampleId :
2015

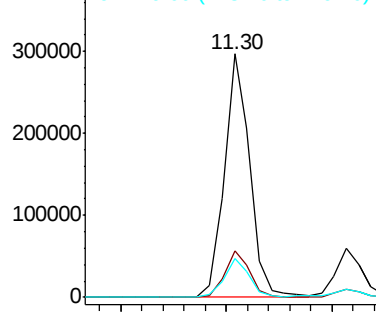
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.7	12.2	18.4

Manual Integrations
APPROVED

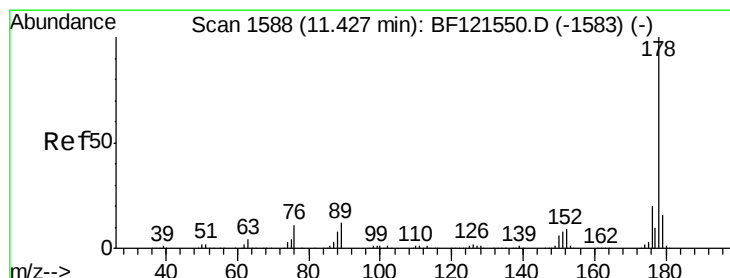
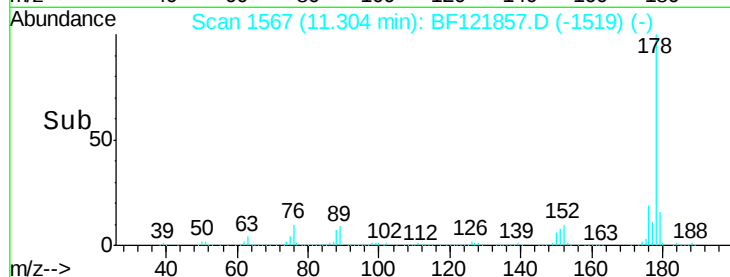
mohammad
10/7/2020 10:40:59 AM



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



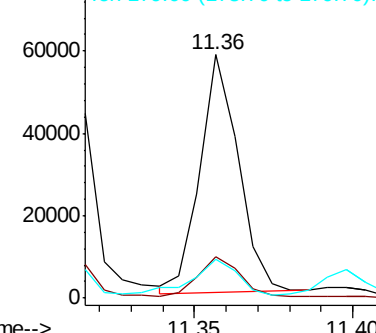
Time-->



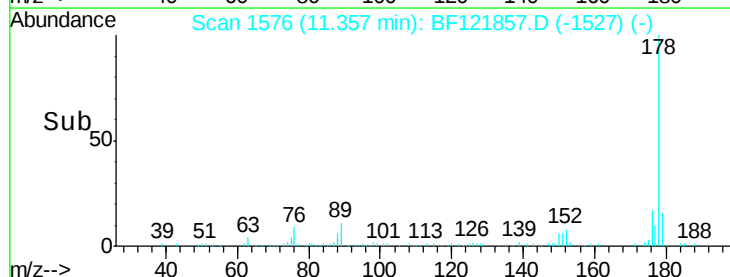
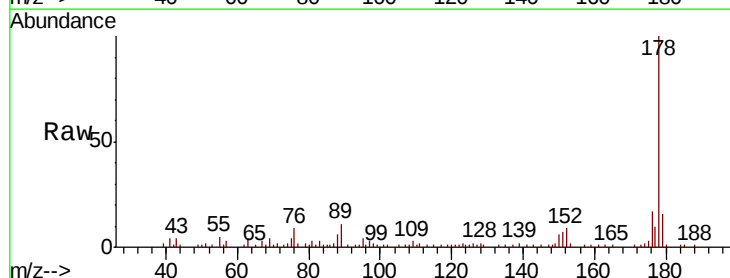
#72
Anthracene
Concen: 2.690 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

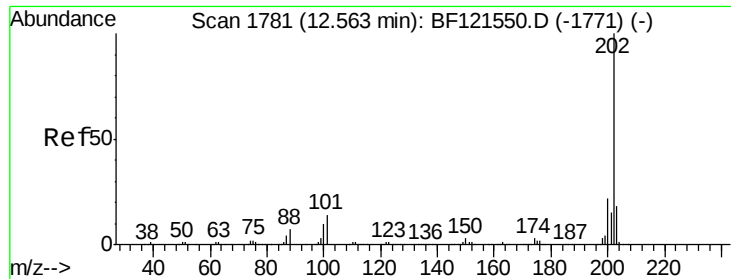
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.7	23.5
179	16.0	12.7	19.1

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



Time-->





#75

Fluoranthene

Concen: 25.619 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

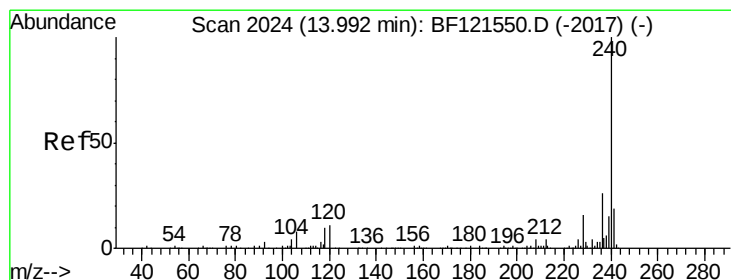
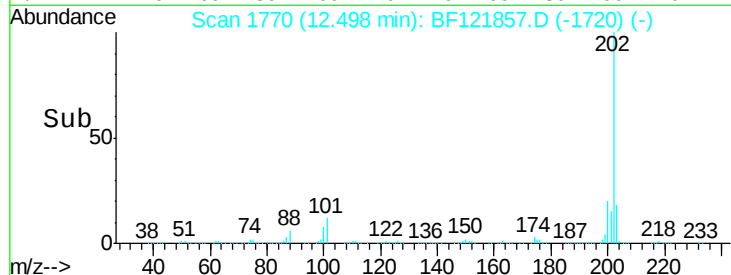
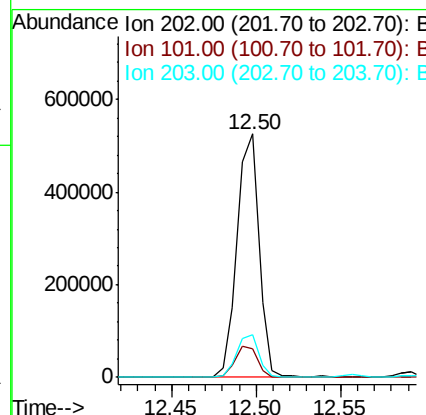
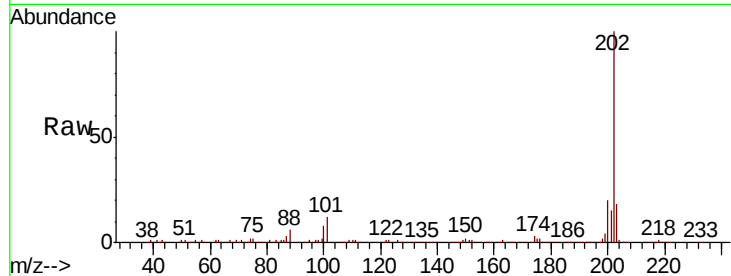
BNA_F

ClientSampleId :
2015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		476250		
101	11.7	0.0	33.4		
203	17.7	0.0	37.9		

Manual Integrations
APPROVED

mohammad
10/7/2020 10:40:59 AM



#76

Chrysene-d12

Concen: 20.000 ng

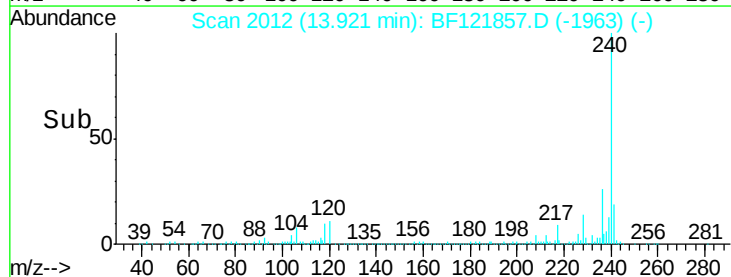
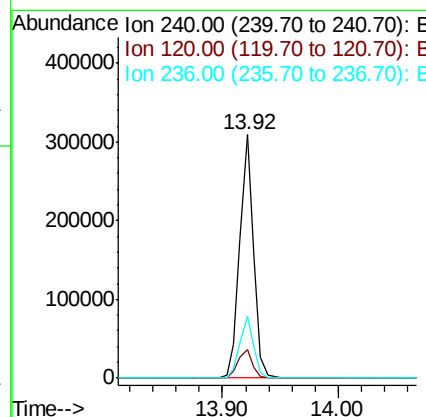
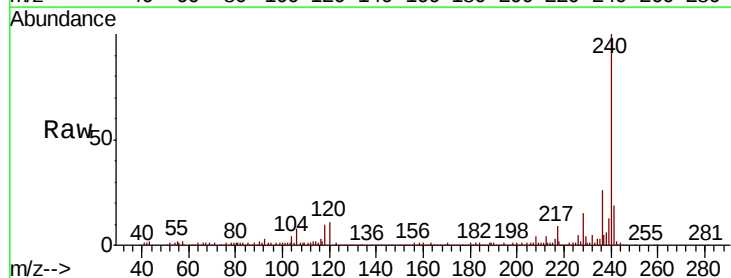
RT: 13.92 min Scan# 2012

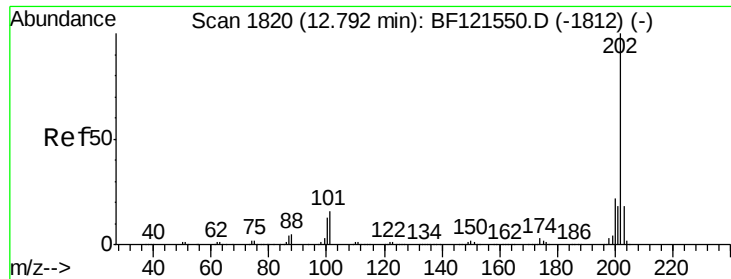
Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		255667		
120	11.5	9.2	13.8		
236	25.5	20.9	31.3		





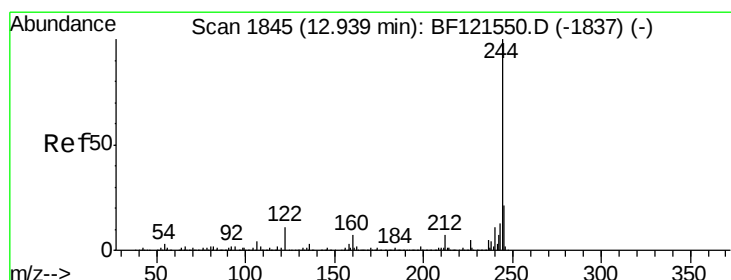
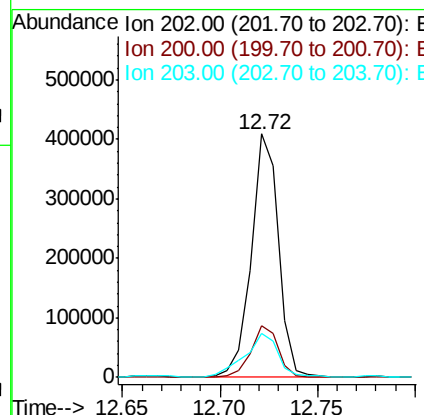
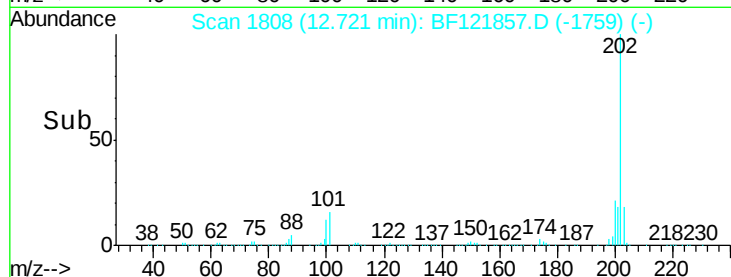
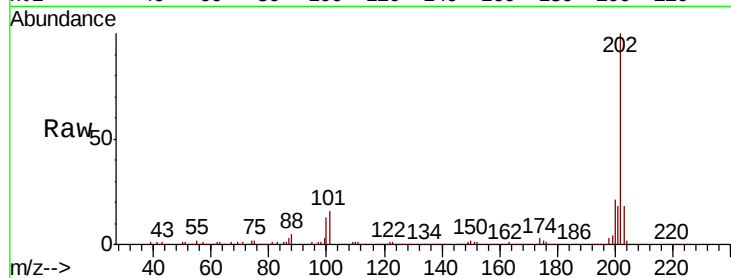
#78
Pvrene
Concen: 21.114 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampleId :
2015

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.1	14.6	21.8

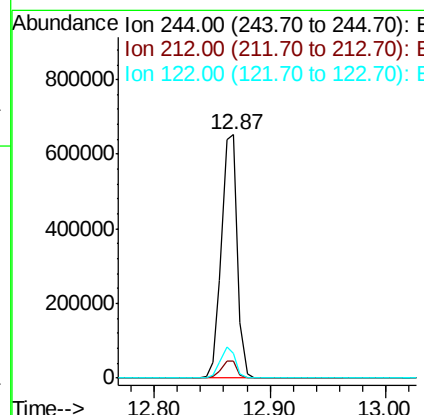
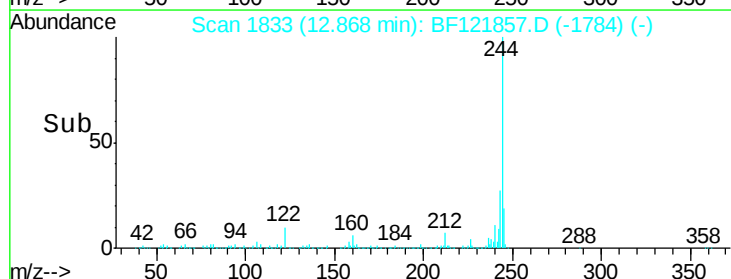
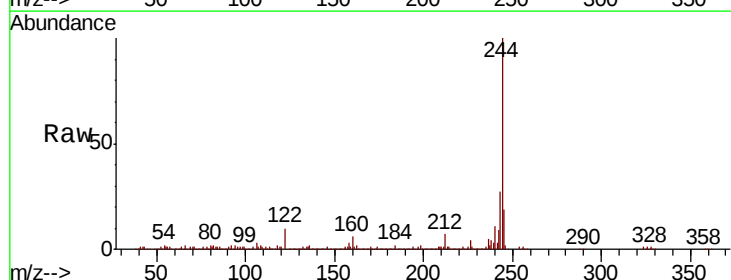
Manual Integrations
APPROVED

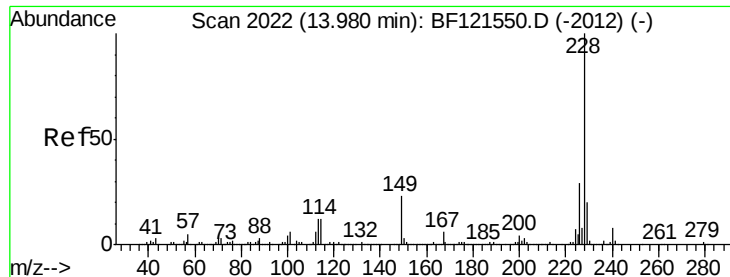
mohammad
10/7/2020 10:40:59 AM



#79
Terphenyl-d14
Concen: 49.547 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.2
122	9.9	8.1	12.1





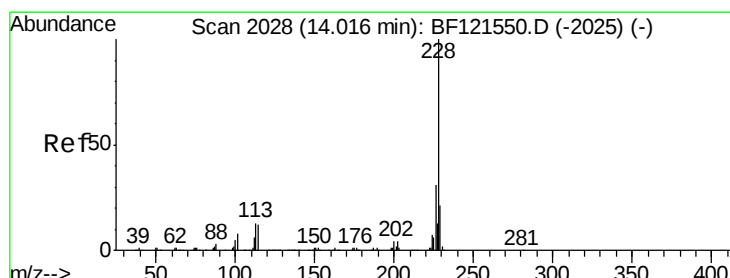
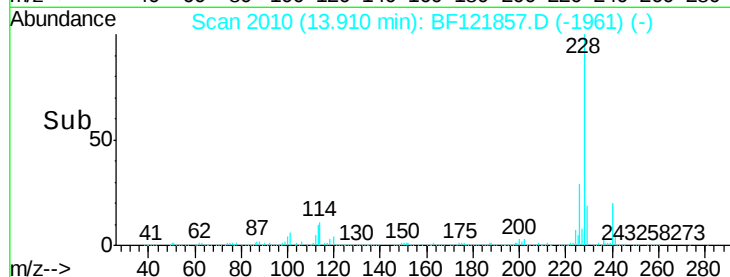
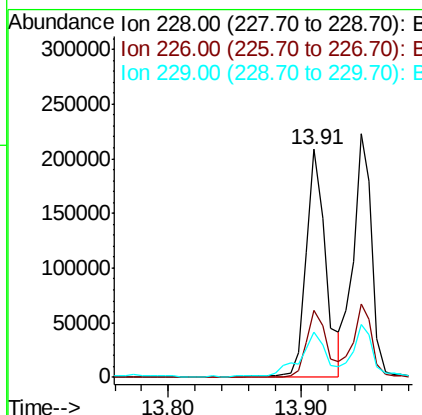
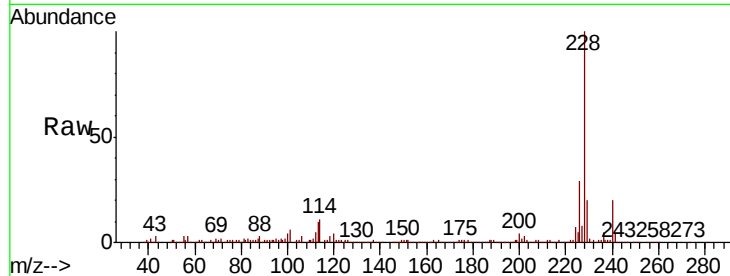
#81
Benzo(a)anthracene
Concen: 12.920 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampled :
2015

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.3	33.5
229	20.1	16.2	24.4

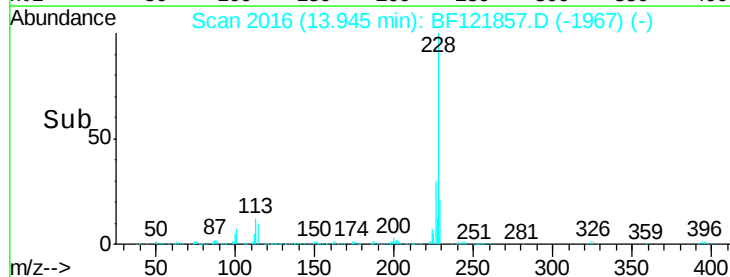
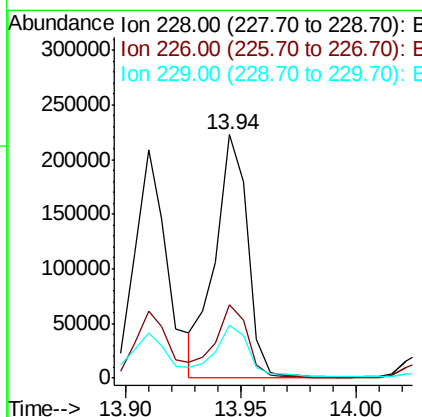
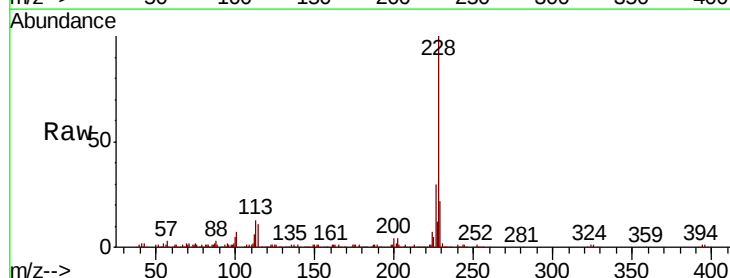
Manual Integrations
APPROVED

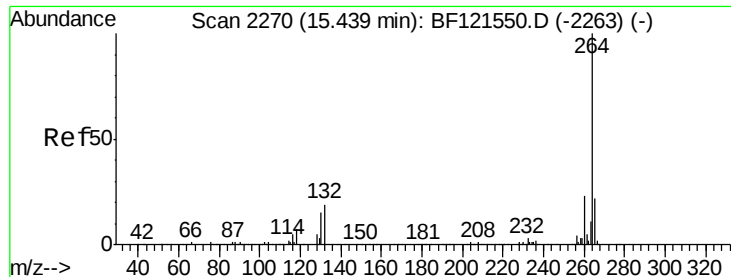
mohammad
10/7/2020 10:40:59 AM



#83
Chrysene
Concen: 13.216 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	21.8	15.9	23.9





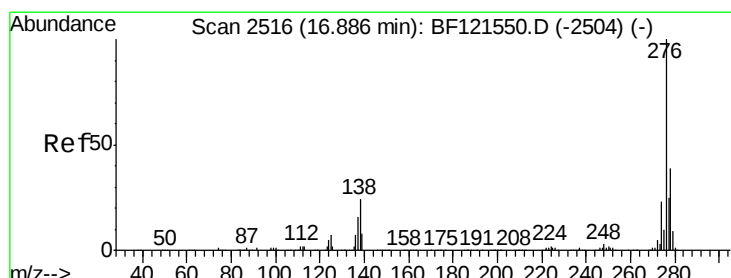
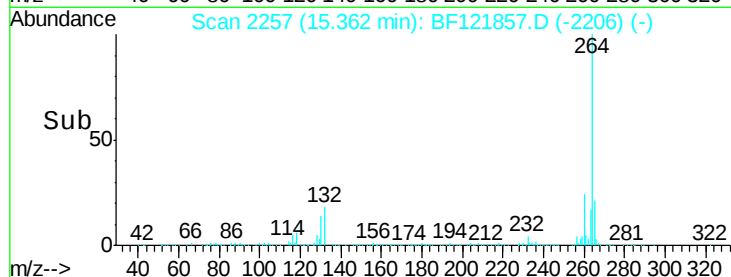
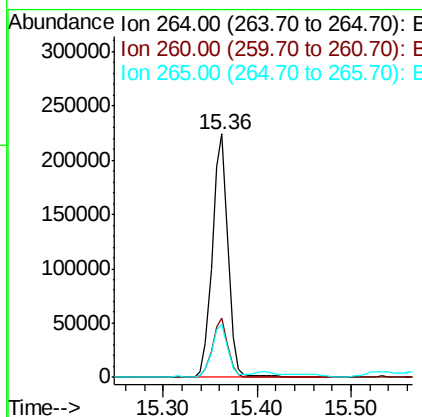
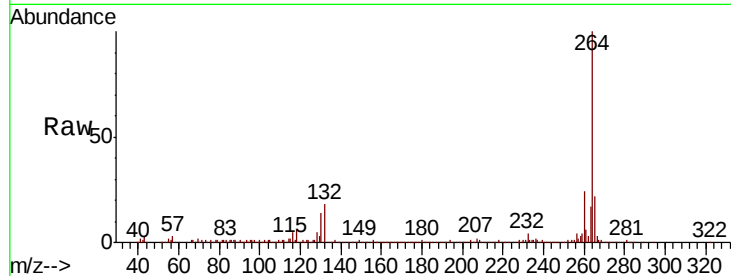
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampleId :
2015

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	21.5	17.3	25.9

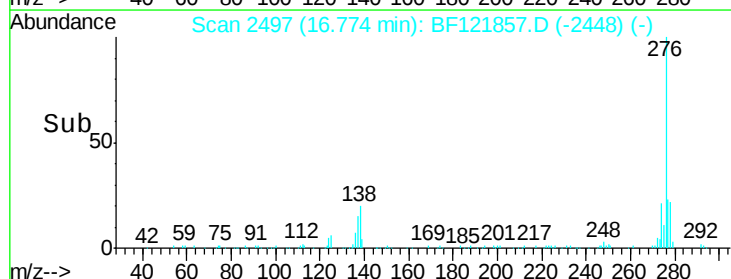
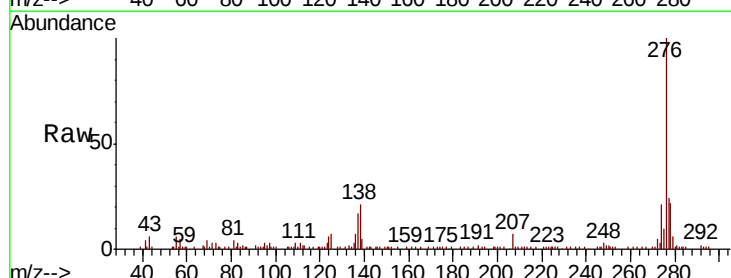
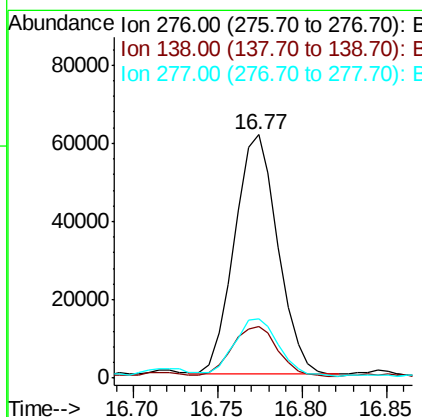
Manual Integrations
APPROVED

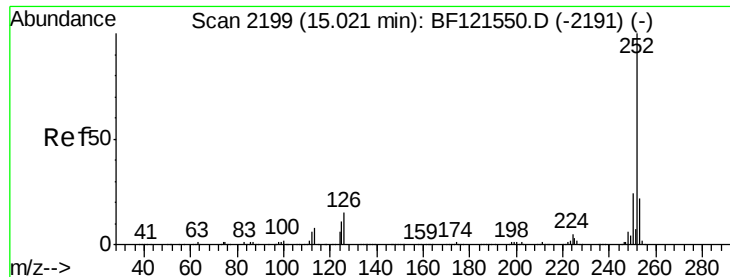
mohammad
10/7/2020 10:40:59 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.292 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.9	29.9
277	24.6	20.4	30.6





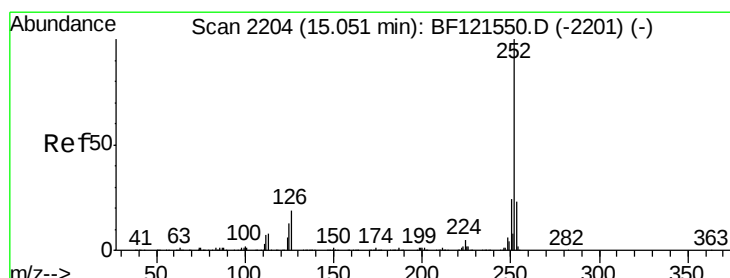
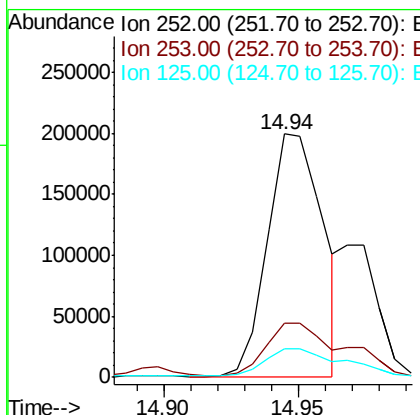
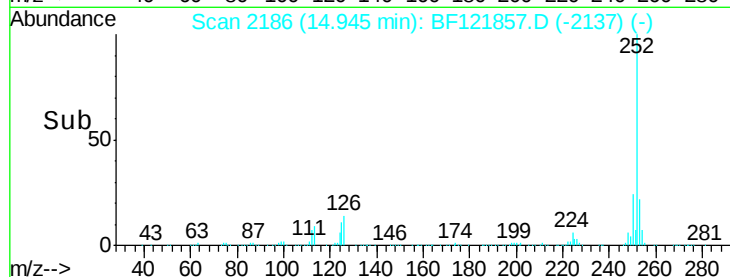
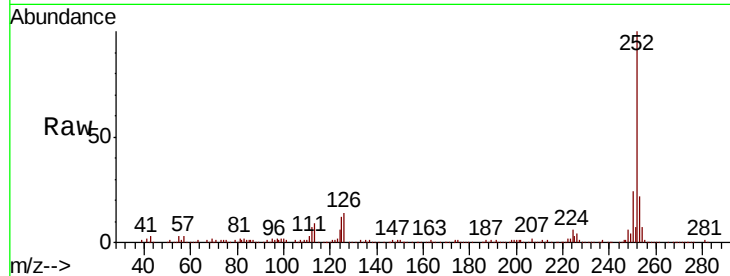
#88
Benzo(b)fluoranthene
Concen: 16.007 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampled :
2015

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	11.9	8.0	12.0

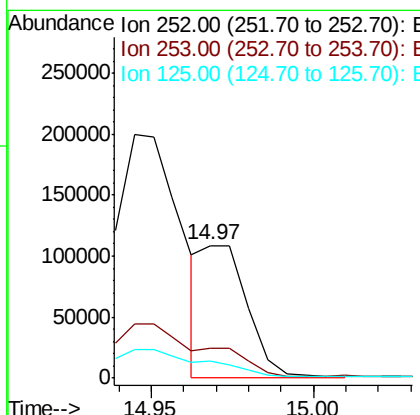
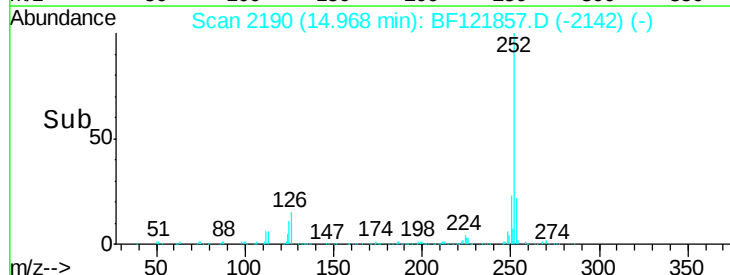
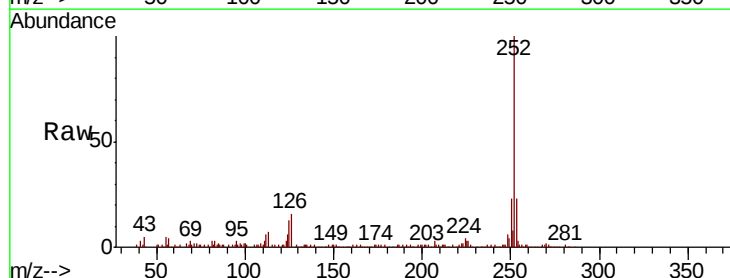
Manual Integrations
APPROVED

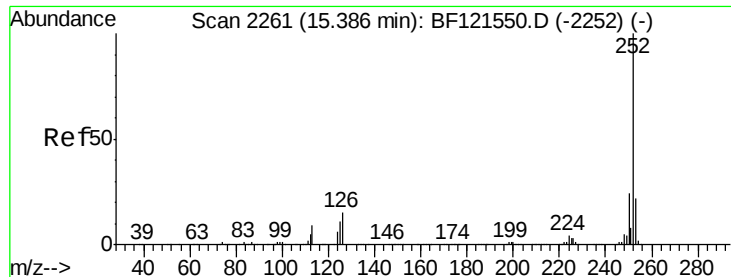
mohammad
10/7/2020 10:40:59 AM



#89
Benzo(k)fluoranthene
Concen: 6.417 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	12.6	7.7	11.5





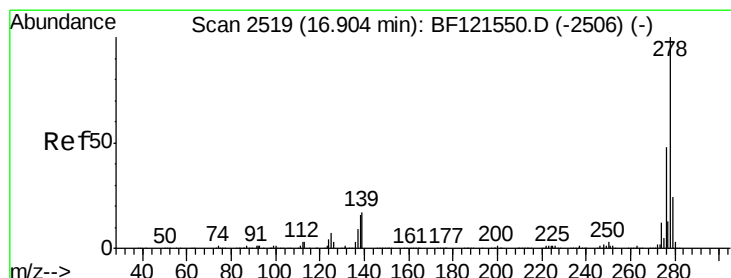
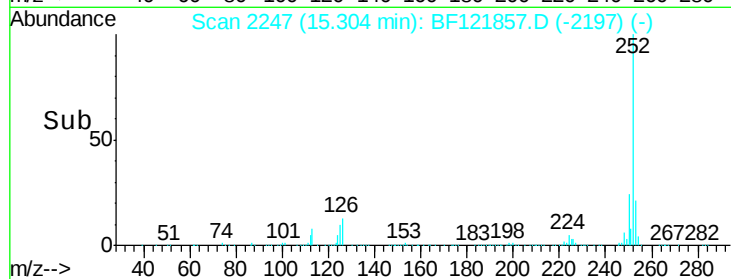
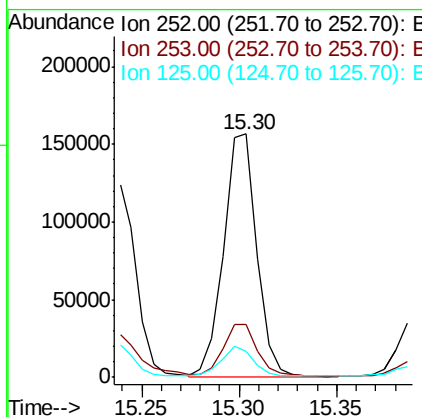
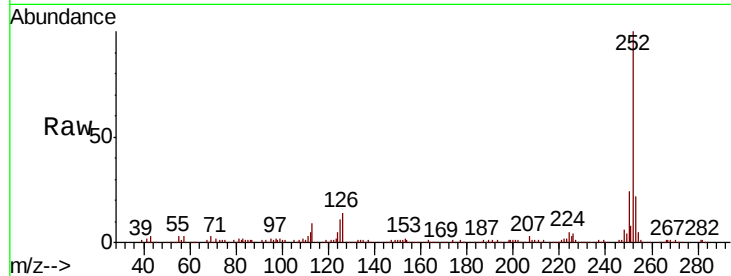
#90
Benzo(a)pyrene
Concen: 12.082 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampleId :
2015

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	10.7	8.6	13.0

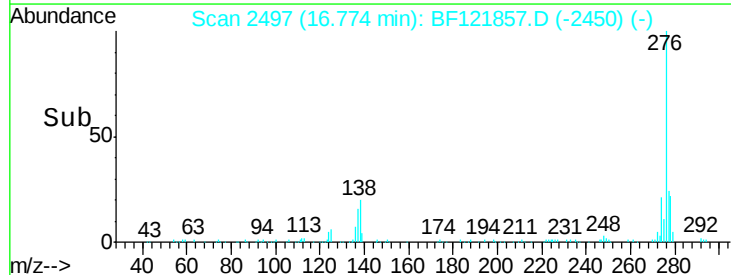
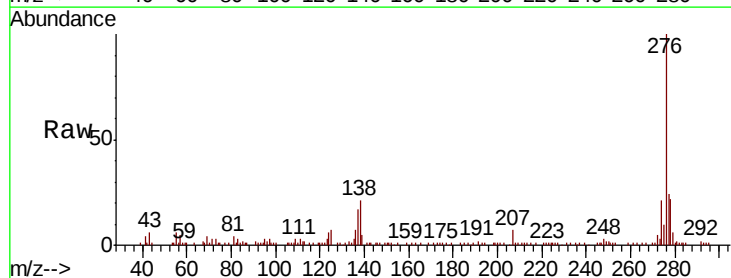
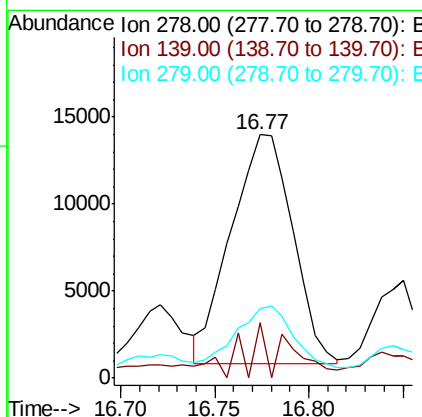
Manual Integrations
APPROVED

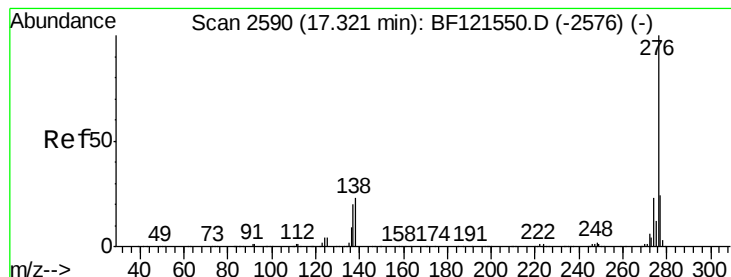
mohammad
10/7/2020 10:40:59 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.067 ng m
RT: 16.77 min Scan# 2497
Delta R.T. -0.02 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.0	13.0	19.4#
279	28.6	19.0	28.4#





#92

Benzo(a,h,i)perylene

Concen: 7.133 ng

RT: 17.20 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

BNA_F

ClientSampleId :
2015

Tot Ion:	276	Resp:	101803
Ion Ratio		Lower	Upper
276	100		
277	23.3	19.4	29.2
138	23.1	17.8	26.6

Manual Integrations
APPROVED

mohammad
10/7/2020 10:40:59 AM

