

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121877.D
 Acq On : 7 Oct 2020 16:57
 Operator : JU/CG
 Sample : L4260-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B21-100220-0-10

Manual Integrations
 APPROVED

mohammad
 10/8/2020 12:29:22 PM

Quant Time: Oct 07 17:39:30 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	134735	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	517240	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	234130	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	359261	20.00	ng	0.00
76) Chrysene-d12	13.93	240	299826	20.00	ng	0.00
86) Perylene-d12	15.37	264	273794	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	139231	15.36	ng	0.00
7) Phenol-d6	6.41	99	179524	15.09	ng	0.00
23) Nitrobenzene-d5	7.33	82	121079	12.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	31260	10.74	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	233232	15.09	ng	-0.01
79) Terphenyl-d14	12.87	244	172084	11.63	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Acenaphthene	9.83	154	62233	4.342	ng	99
55) Dibenzofuran	10.00	168	49832	2.469	ng	99
58) Fluorene	10.35	166	62110	4.023	ng	96
71) Phenanthrene	11.31	178	524271	26.784	ng	99
72) Anthracene	11.36	178	150845	7.468	ng	97
73) Carbazole	11.52	167	38963	2.138	ng	98
75) Fluoranthene	12.50	202	546821	26.170	ng	100
78) Pyrene	12.73	202	488238	22.288	ng	99
81) Benzo(a)anthracene	13.92	228	237518	12.522	ng	99
83) Chrysene	13.95	228	196698	10.240	ng	97
87) Indeno(1,2,3-cd)pyrene	16.79	276	88950	4.989	ng	95
88) Benzo(b)fluoranthene	14.96	252	256527m	14.015	ng	
89) Benzo(k)fluoranthene	14.98	252	74905m	4.469	ng	
90) Benzo(a)pyrene	15.31	252	189674	12.191	ng	96
92) Benzo(a,h,i)perylene	17.22	276	84342	5.781	ng	99

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

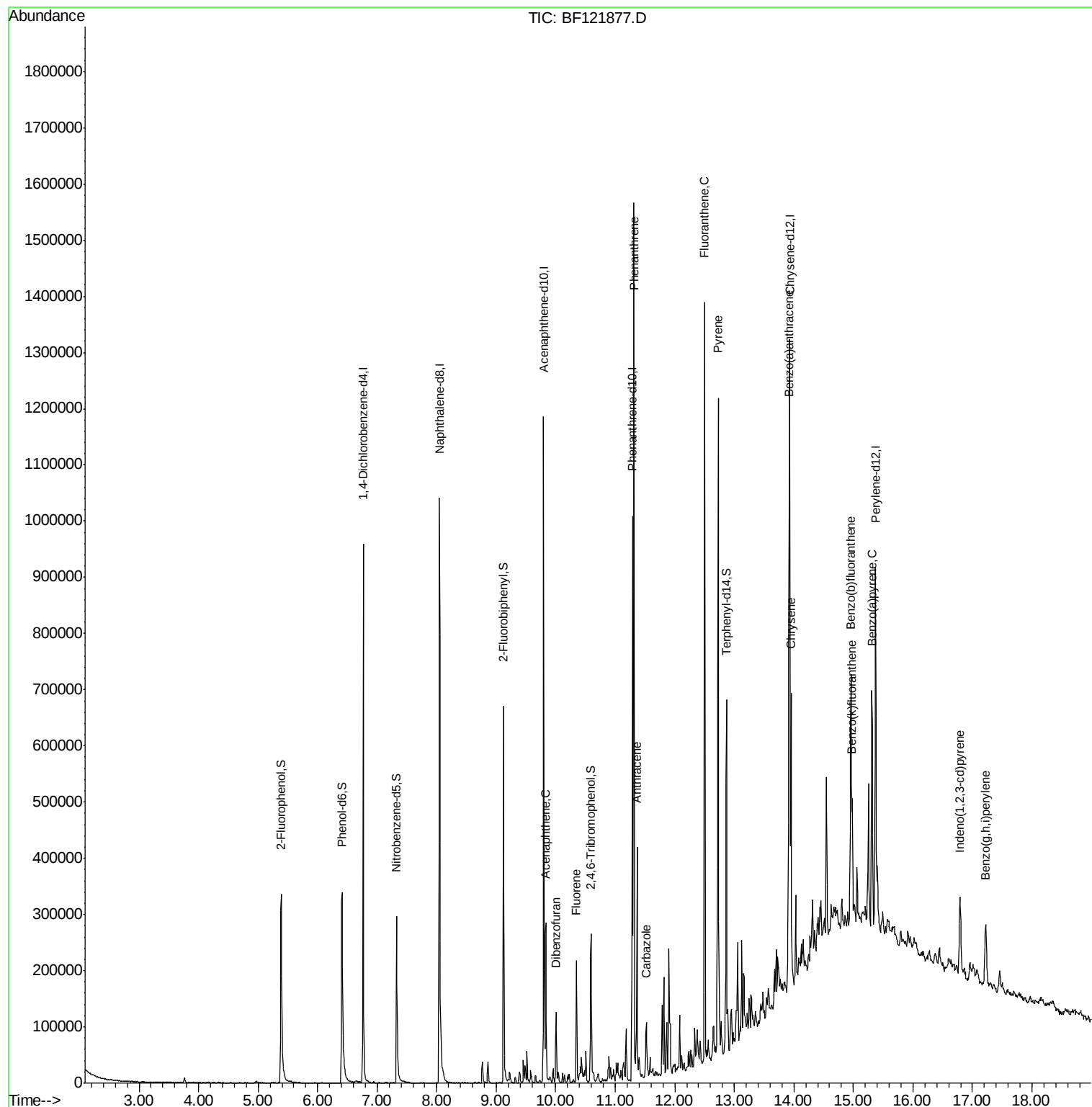
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
Data File : BF121877.D
Acq On : 7 Oct 2020 16:57
Operator : JU/CG
Sample : L4260-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

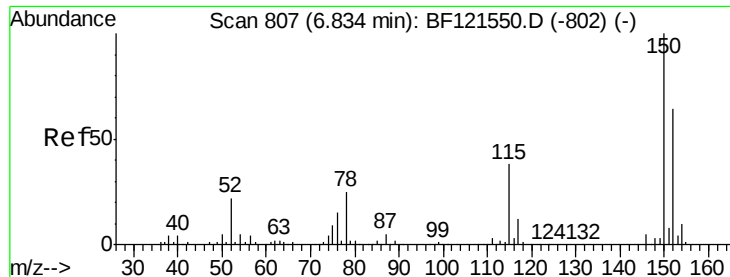
Instrument :
BNA_F
ClientSampleId :
PAV-B21-100220-0-10

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:22 PM

Quant Time: Oct 07 17:39:30 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

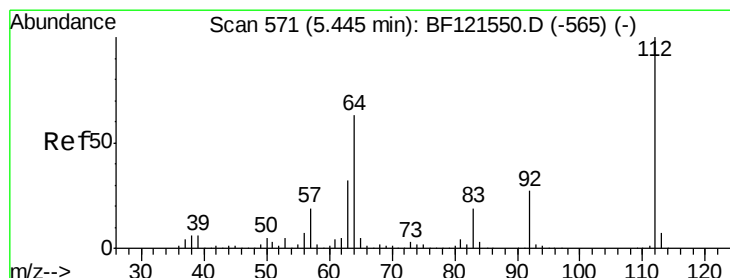
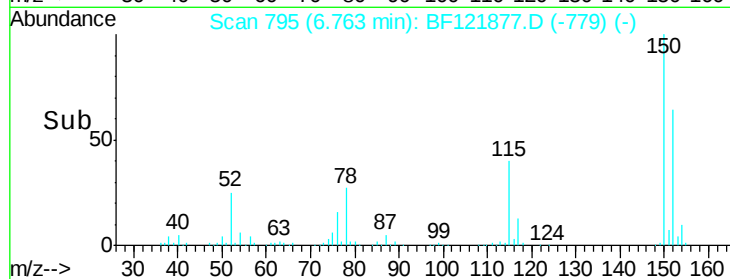
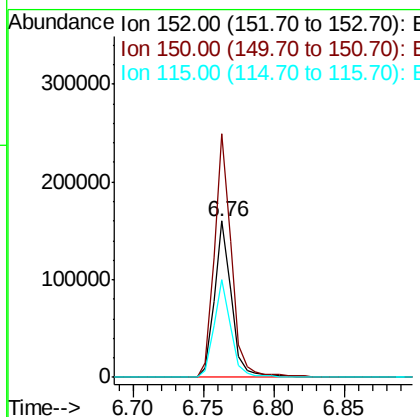
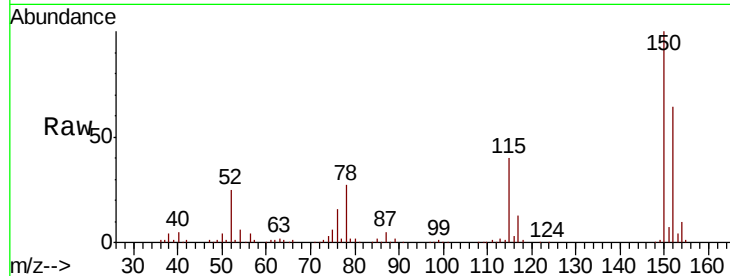
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Instrument :
BNA_F
ClientSampleId :
PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.3	187.9
115	62.4	51.9	77.9

Manual Integrations
APPROVED

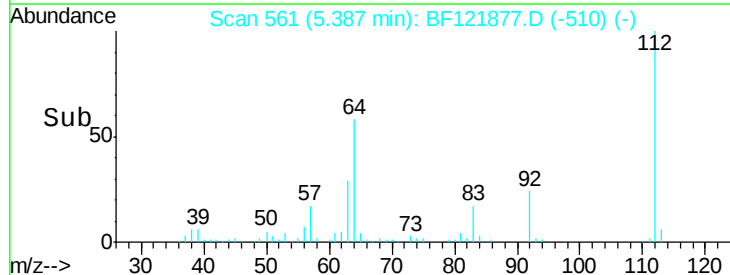
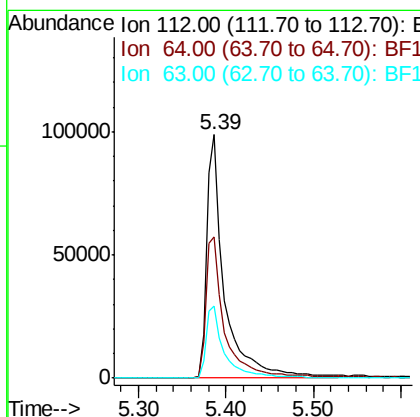
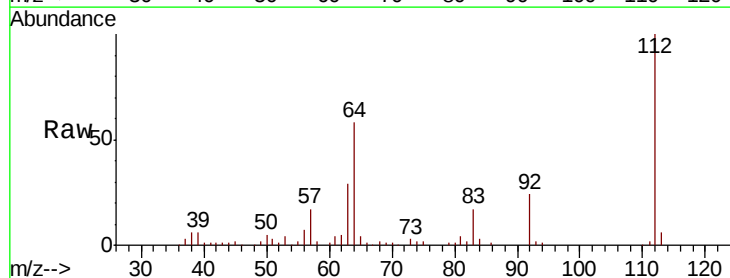
mohammad
10/8/2020 12:29:22 PM

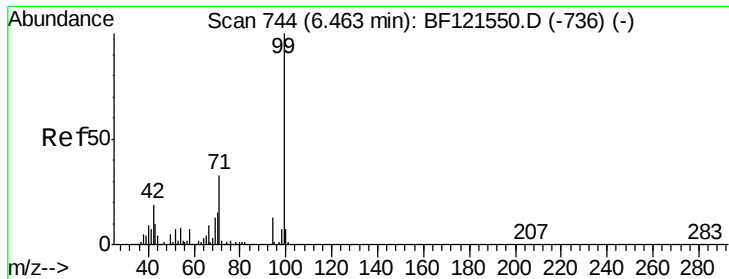


#5

2-Fluorophenol
Concen: 15.357 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	50.4	75.6
63	29.4	25.8	38.6





#7

Phenol-d6

Concen: 15.093 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121877.D

Acq: 7 Oct 2020 16:57

Instrument :

BNA_F

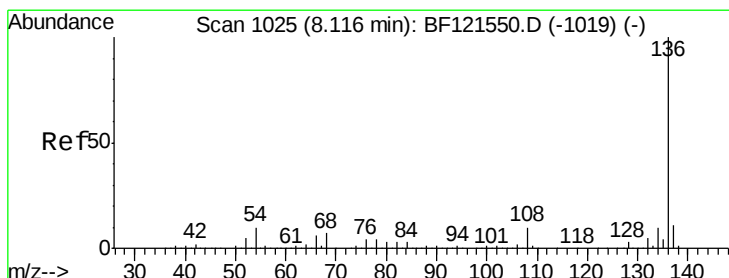
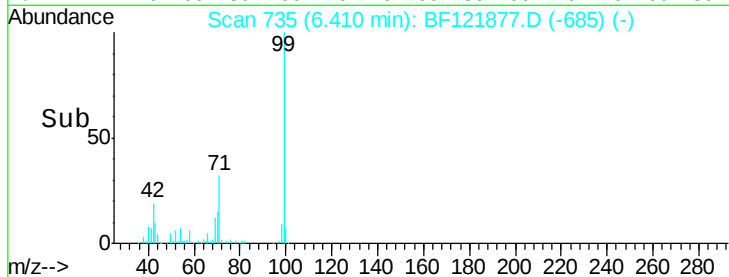
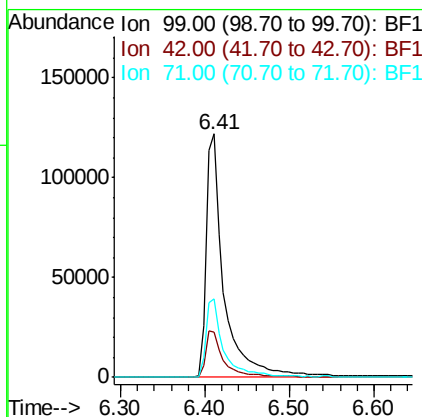
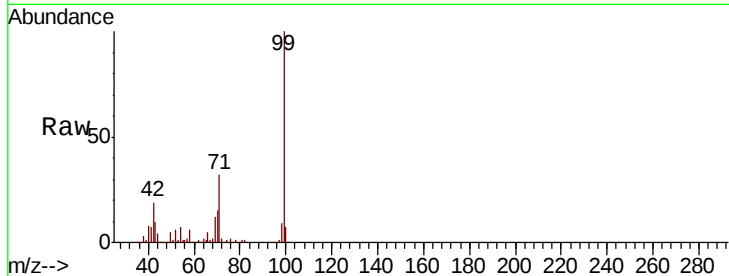
ClientSampleId :

PAV-B21-100220-0-10

Tot Ion:	99	Resp:	179524
Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.9	23.9
71	32.0	27.1	40.7

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:22 PM



#21

Naphthalene-d8

Concen: 20.000 ng

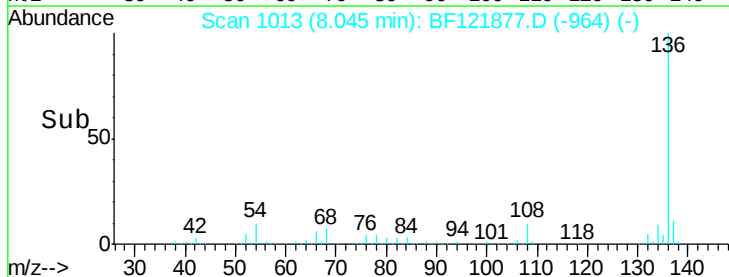
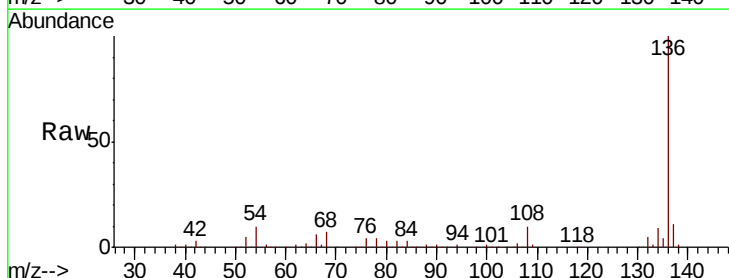
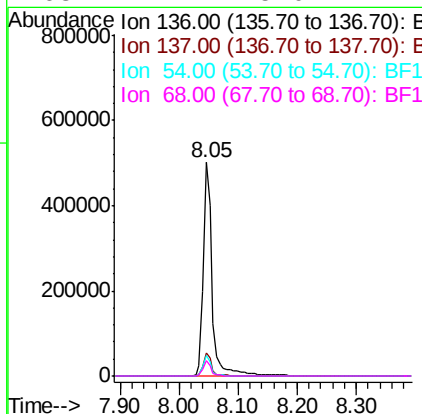
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121877.D

Acq: 7 Oct 2020 16:57

Tgt Ion:	136	Resp:	517240
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.7	7.1	10.7
68	7.2	5.0	7.4





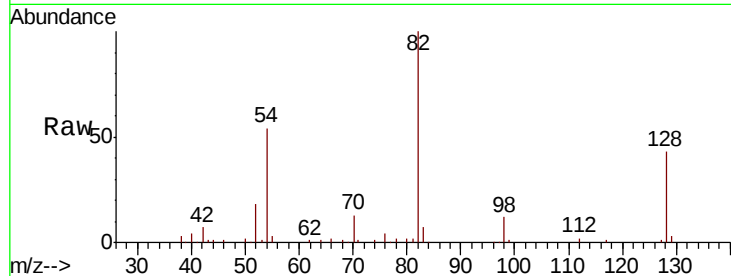
#23
Nitrobenzene-d5
Concen: 12.569 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Instrument :
BNA_F
ClientSampleId :
PAV-B21-100220-0-10

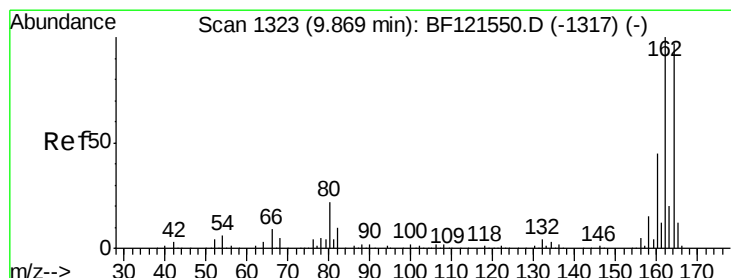
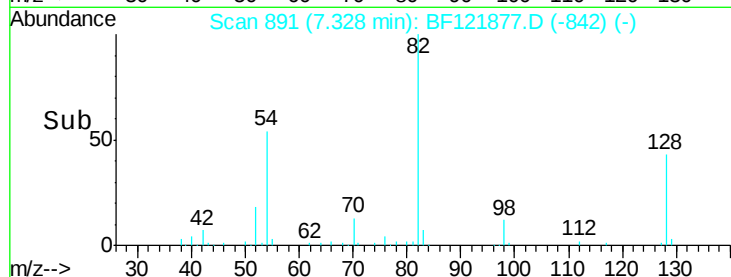
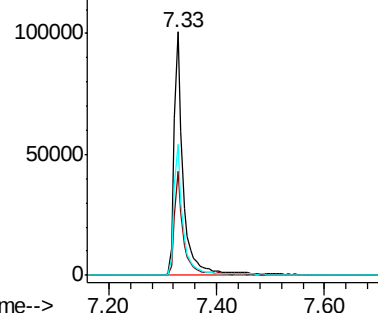
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.0	52.4
54	53.9	43.9	65.9

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:22 PM



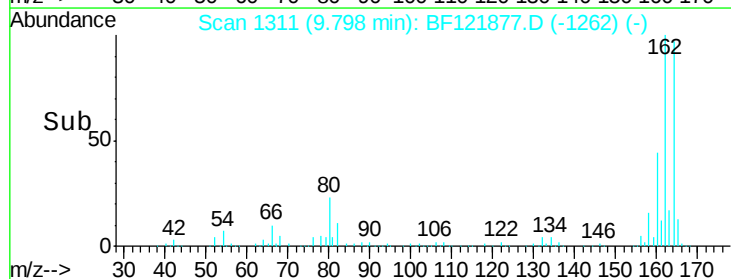
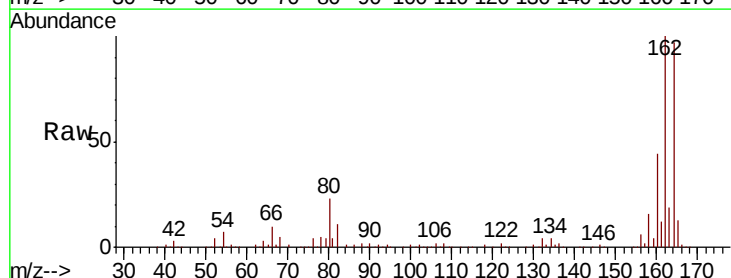
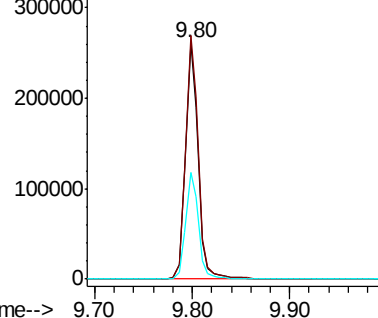
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.2	124.8
160	45.4	37.5	56.3

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





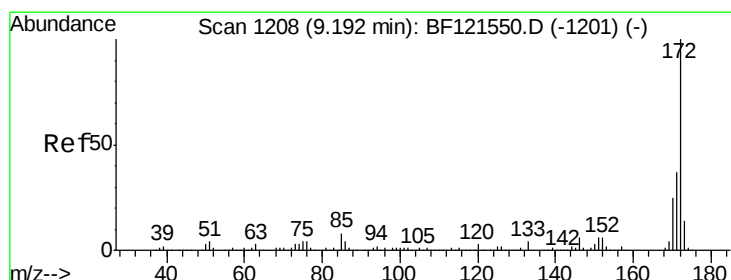
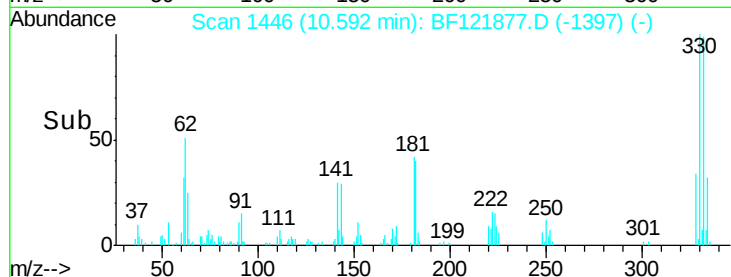
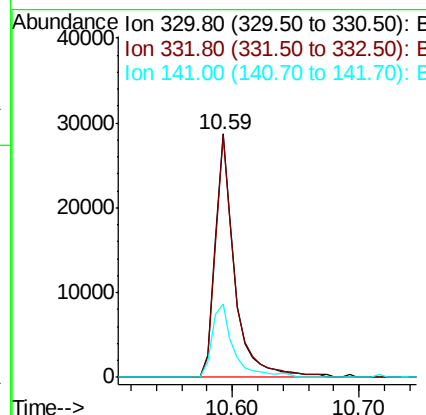
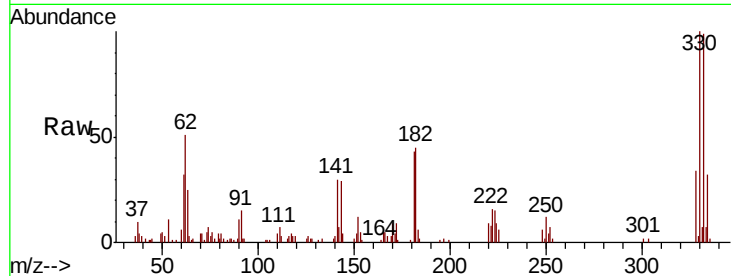
#42
 2,4,6-Tribromophenol
 Concen: 10.743 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121877.D
 Acq: 7 Oct 2020 16:57

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.3	115.9
141	33.0	22.3	33.5

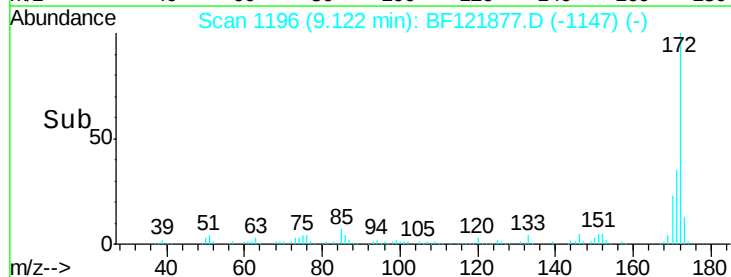
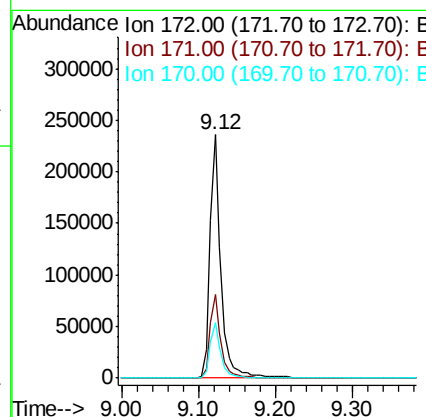
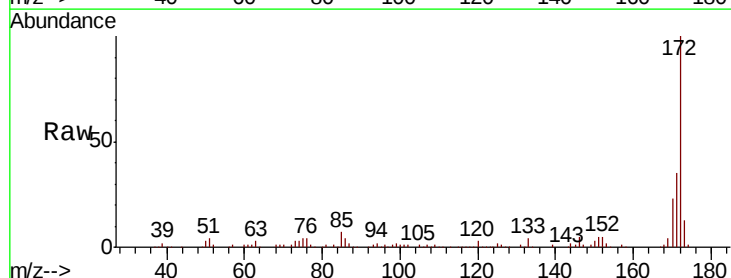
Manual Integrations
 APPROVED

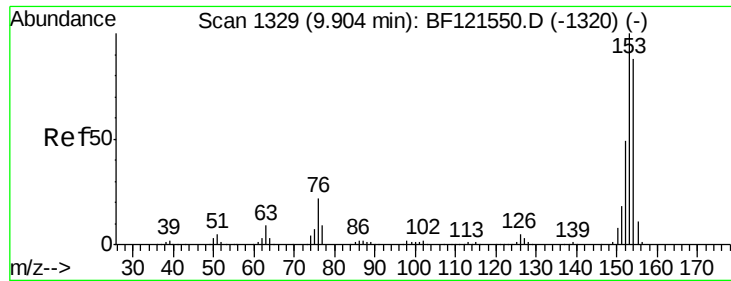
mohammad
 10/8/2020 12:29:22 PM



#45
 2-Fluorobiphenyl
 Concen: 15.087 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121877.D
 Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.1	43.7
170	22.8	19.8	29.6





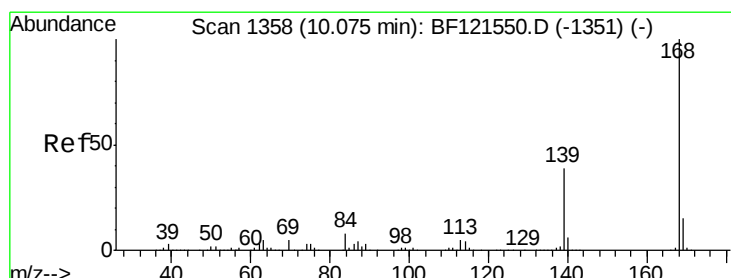
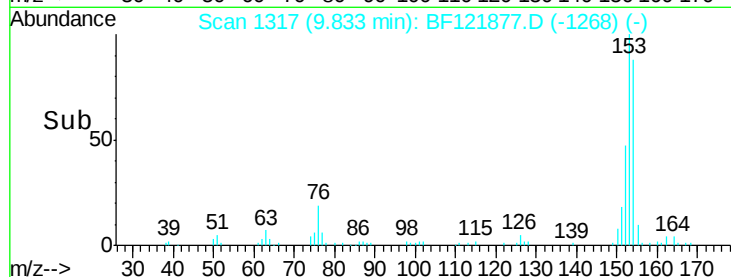
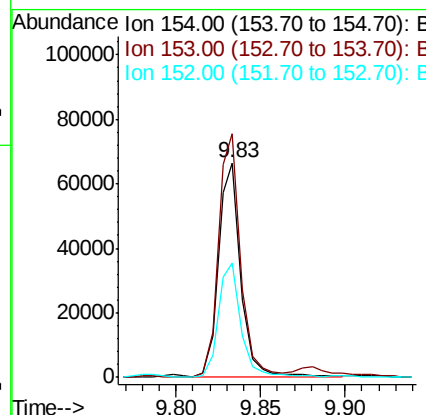
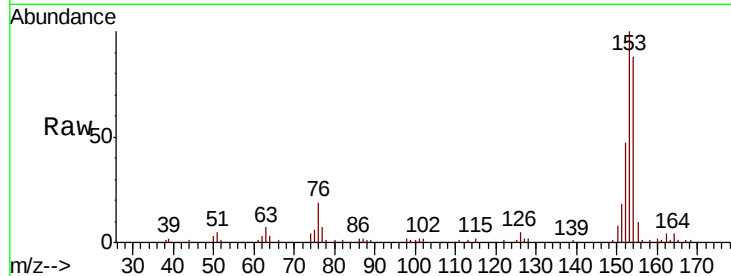
#52
Acenaphthene
Concen: 4.342 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Instrument :
BNA_F
ClientSampleId :
PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.8	134.8
152	53.4	43.2	64.8

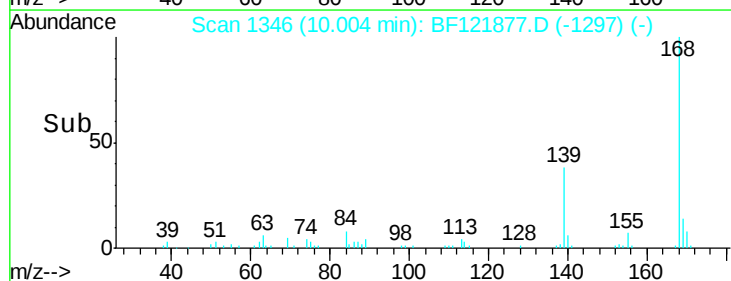
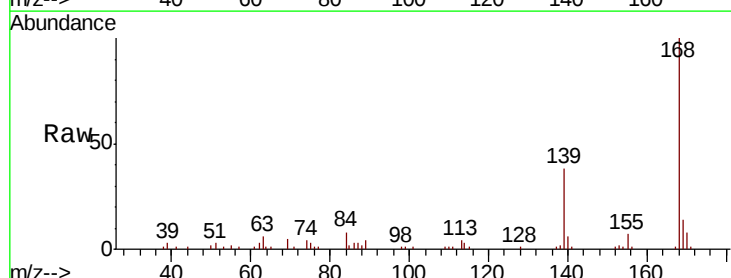
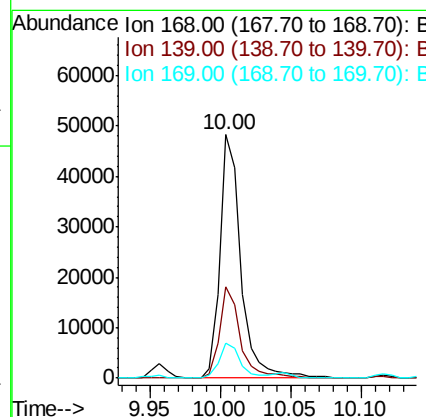
Manual Integrations
APPROVED

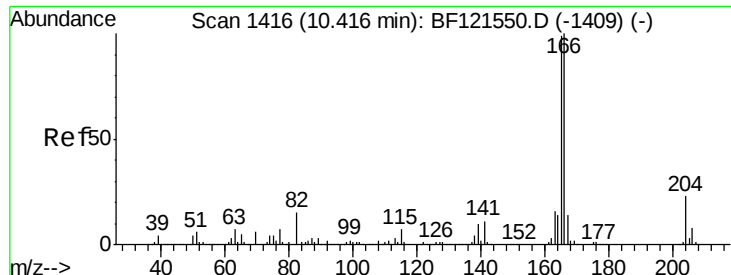
mohammad
10/8/2020 12:29:22 PM



#55
Dibenzofuran
Concen: 2.469 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.7	31.0	46.6
169	14.1	11.3	16.9





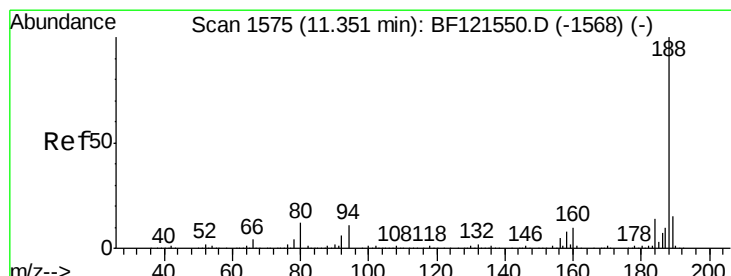
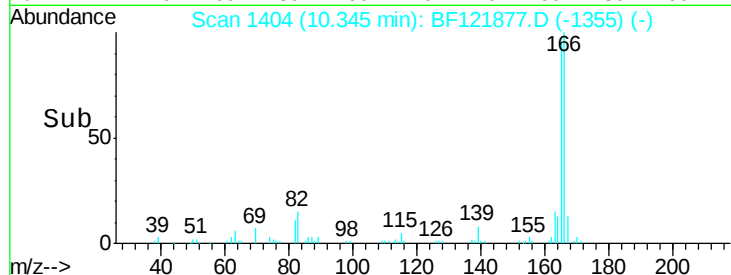
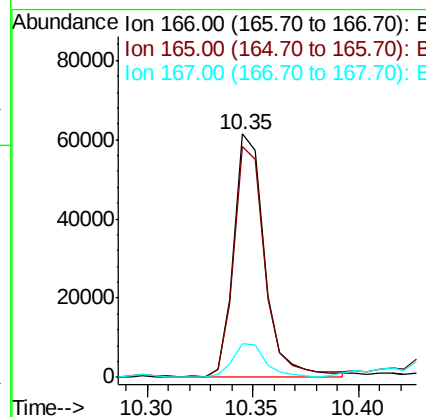
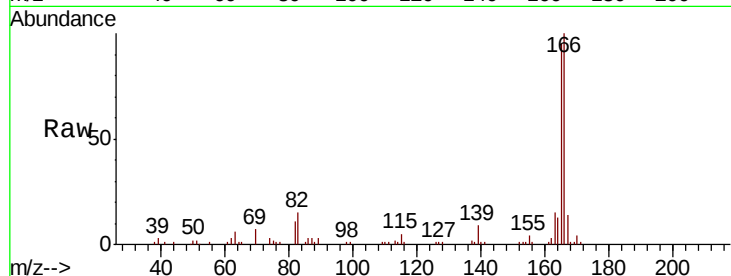
#58
 Fluorene
 Concen: 4.023 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF121877.D
 Acq: 7 Oct 2020 16:57

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.9	79.1	118.7
167	13.9	11.0	16.6

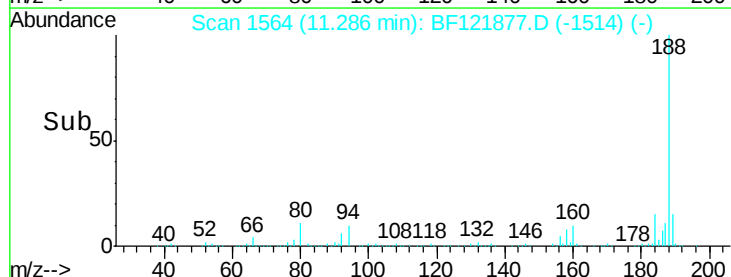
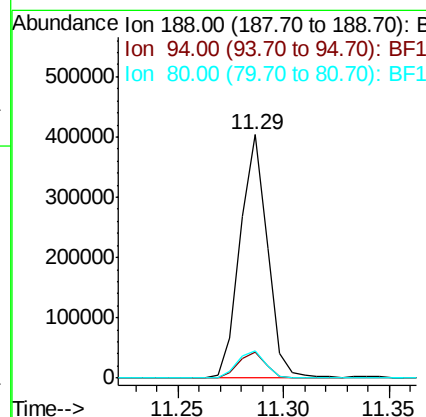
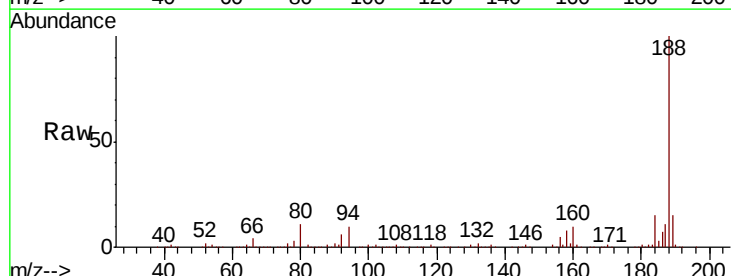
Manual Integrations
 APPROVED

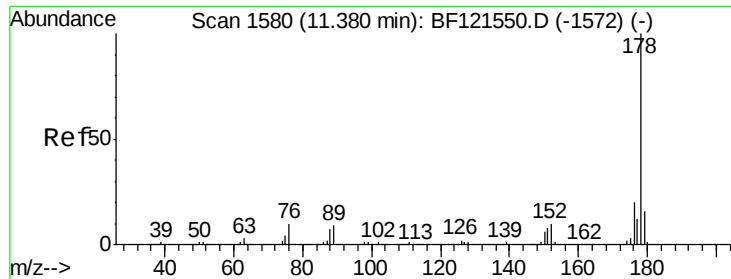
mohammad
 10/8/2020 12:29:22 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF121877.D
 Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.0	9.1	13.7





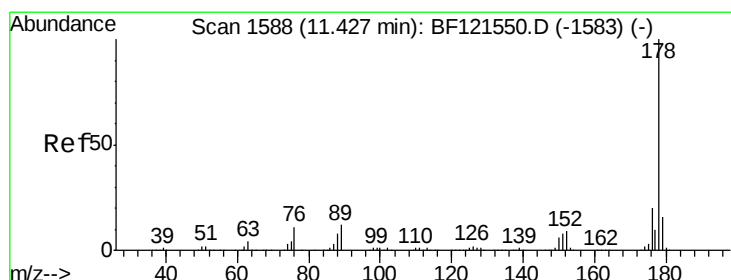
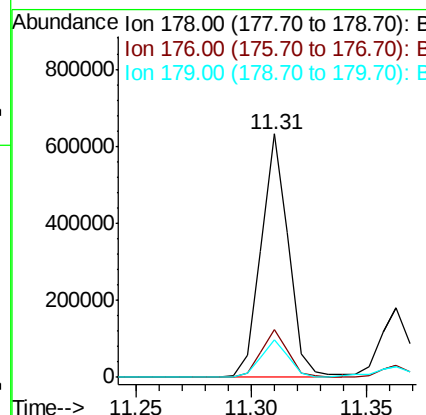
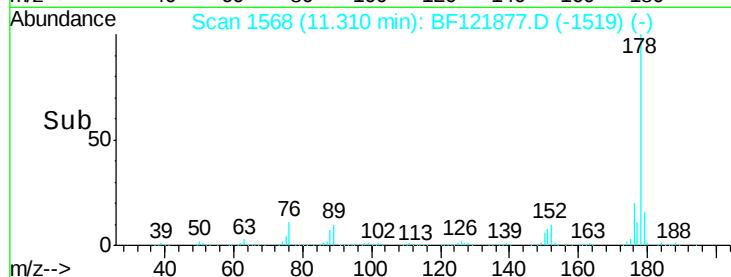
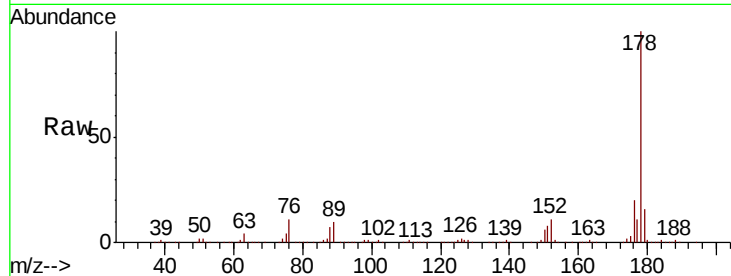
#71
Phenanthrene
Concen: 26.784 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Instrument :
BNA_F
ClientSampleId :
PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.7	12.2	18.4

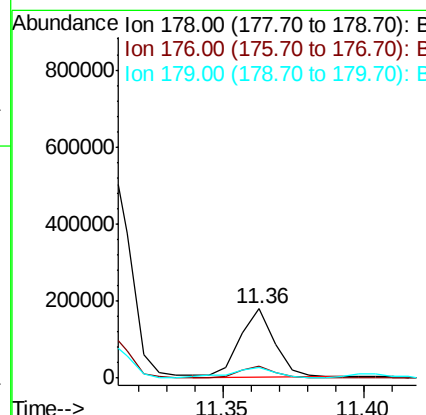
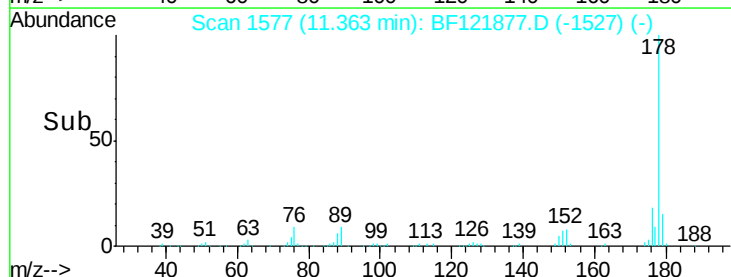
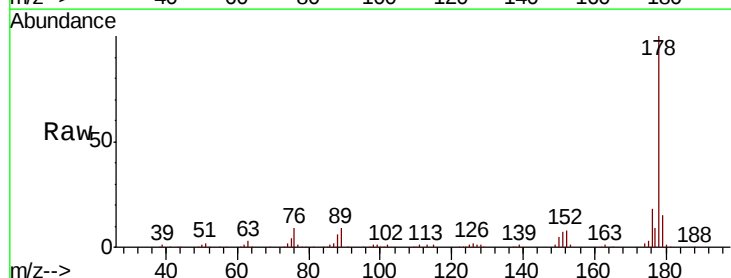
Manual Integrations
APPROVED

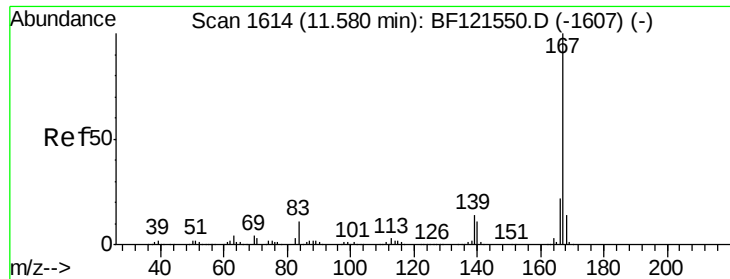
mohammad
10/8/2020 12:29:22 PM



#72
Anthracene
Concen: 7.468 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.7	23.5
179	15.4	12.7	19.1





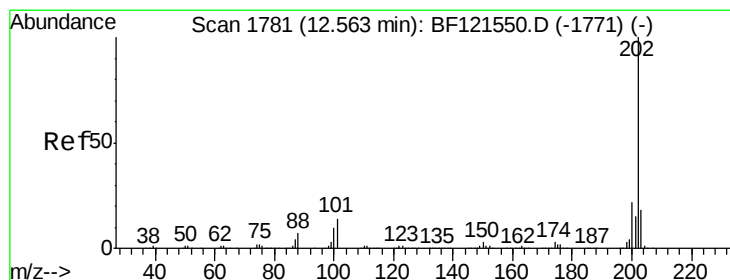
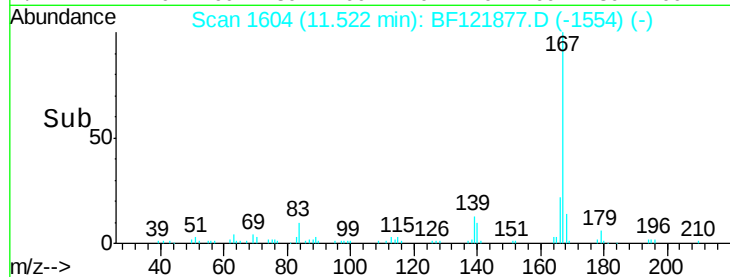
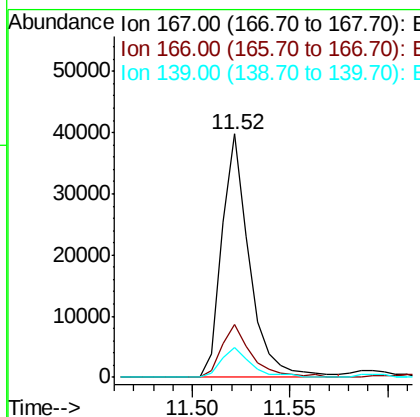
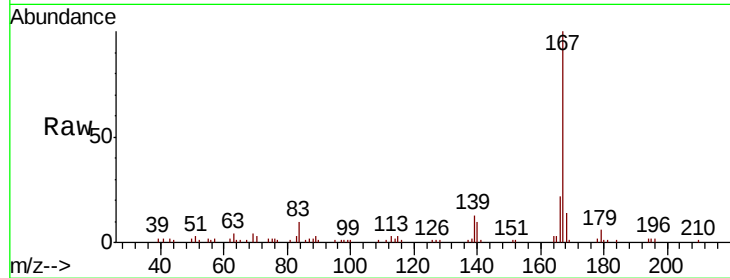
#73
 Carbazole
 Concen: 2.138 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF121877.D
 Acq: 7 Oct 2020 16:57

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.6
139	12.5	10.8	16.2

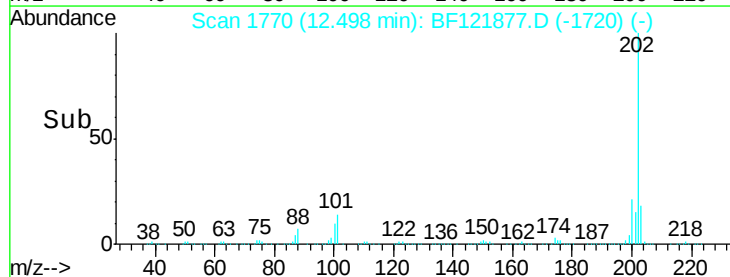
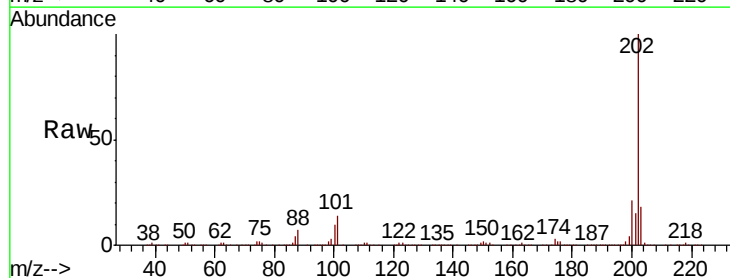
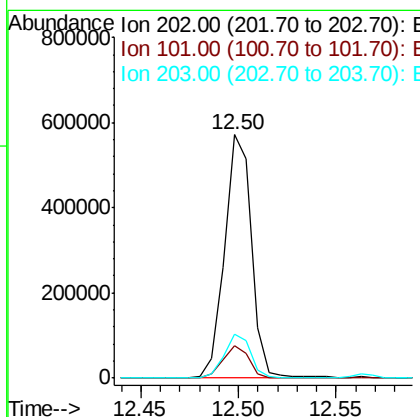
Manual Integrations
 APPROVED

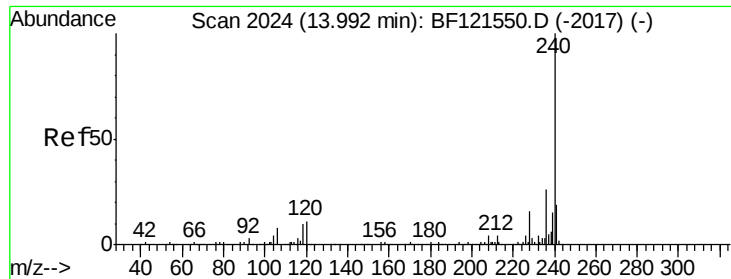
mohammad
 10/8/2020 12:29:22 PM



#75
 Fluoranthene
 Concen: 26.170 ng
 RT: 12.50 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: BF121877.D
 Acq: 7 Oct 2020 16:57

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





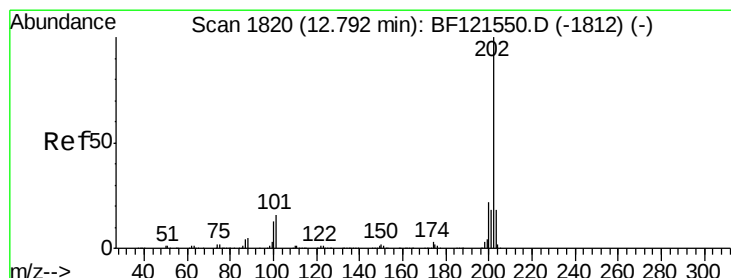
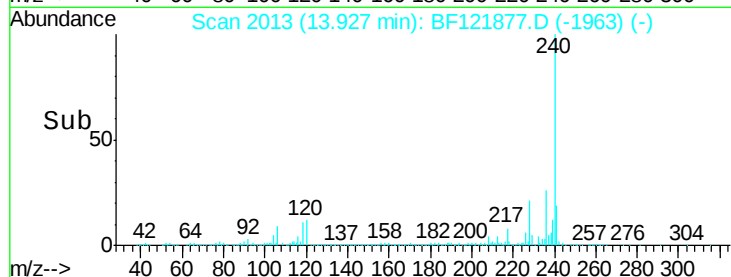
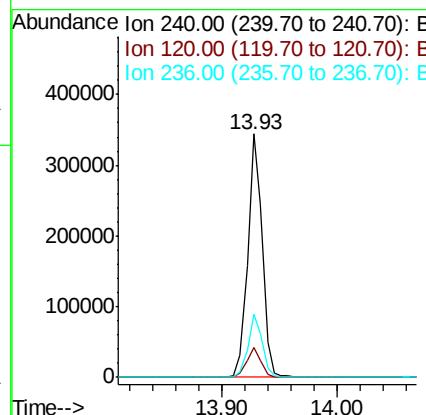
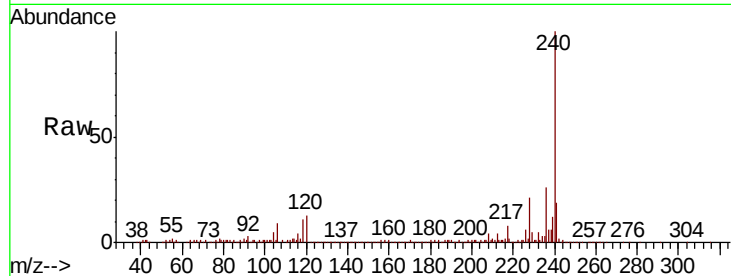
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Instrument :
BNA_F
ClientSampleId :
PAV-B21-100220-0-10

Tot Ion	Ratio	Resp	Lower	Upper
240	100	299826		
120	12.5	9.2	13.8	
236	26.1	20.9	31.3	

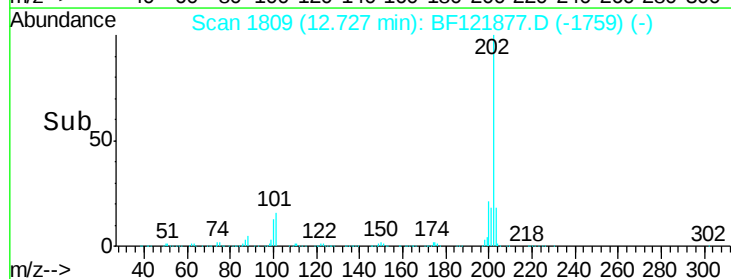
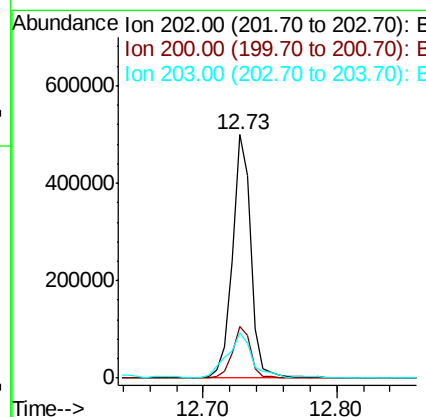
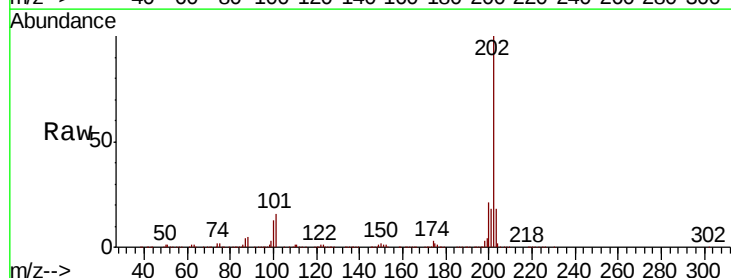
Manual Integrations
APPROVED

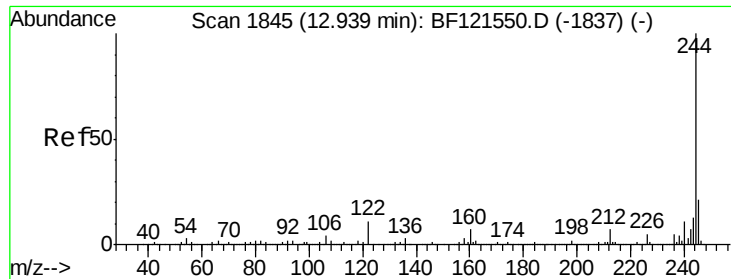
mohammad
10/8/2020 12:29:22 PM



#78
Pyrene
Concen: 22.288 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	488238		
200	21.2	17.4	26.2	
203	18.3	14.6	21.8	





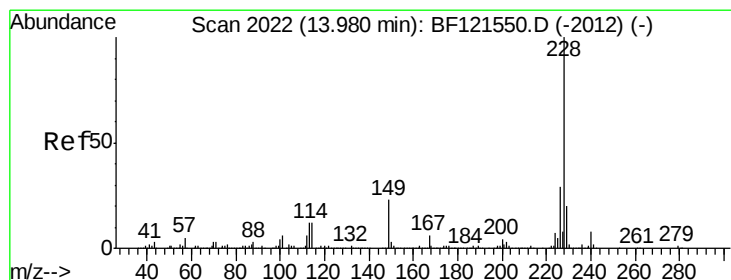
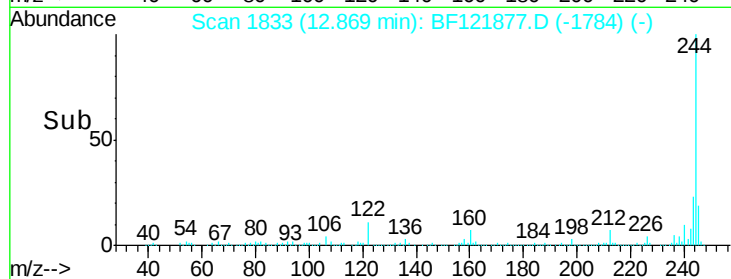
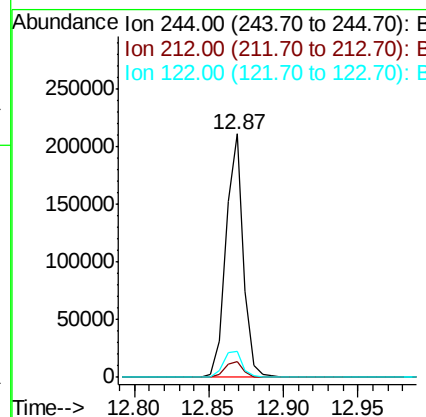
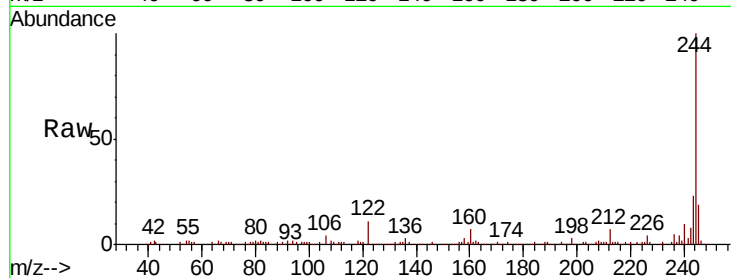
#79
 Terphenyl-d14
 Concen: 11.628 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF121877.D
 Acq: 7 Oct 2020 16:57

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.7	8.1	12.1

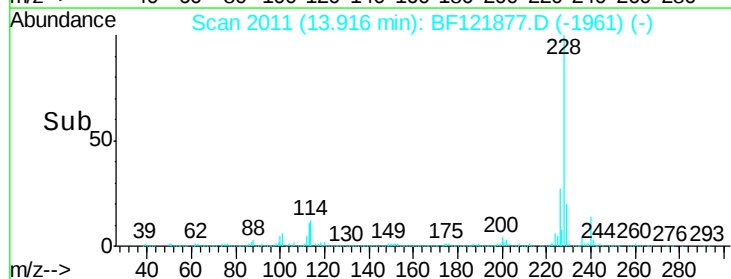
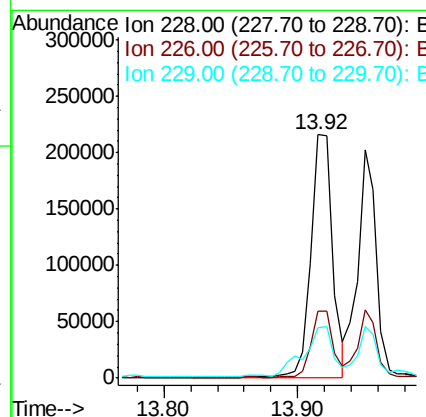
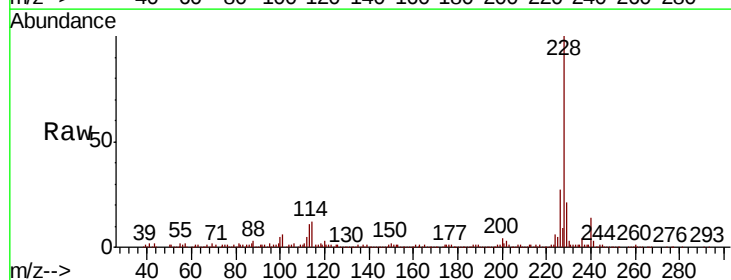
Manual Integrations
 APPROVED

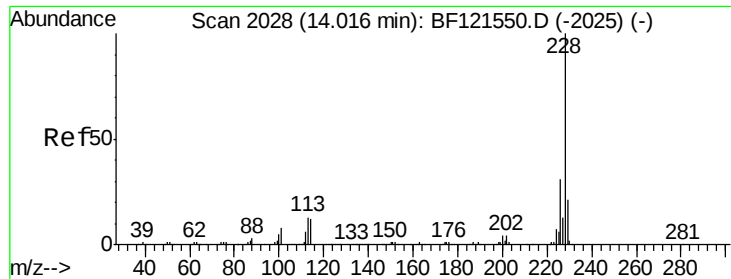
mohammad
 10/8/2020 12:29:22 PM



#81
 Benzo(a)anthracene
 Concen: 12.522 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF121877.D
 Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.3	33.5
229	20.8	16.2	24.4





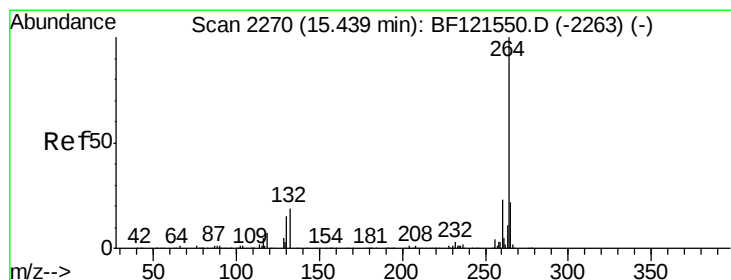
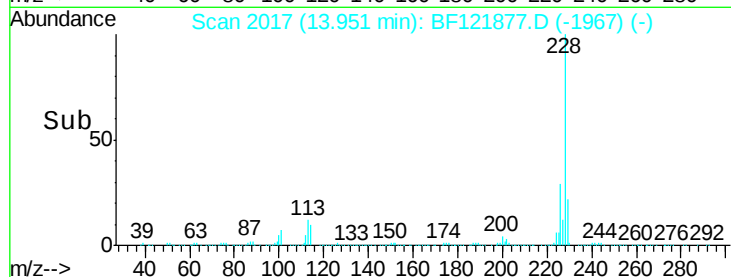
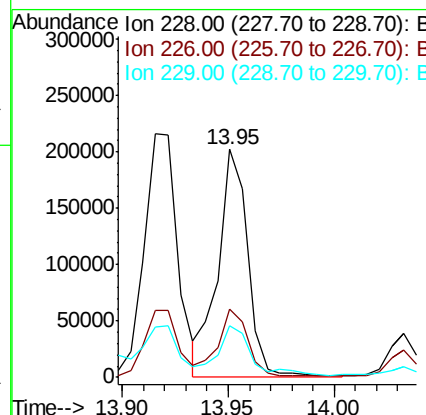
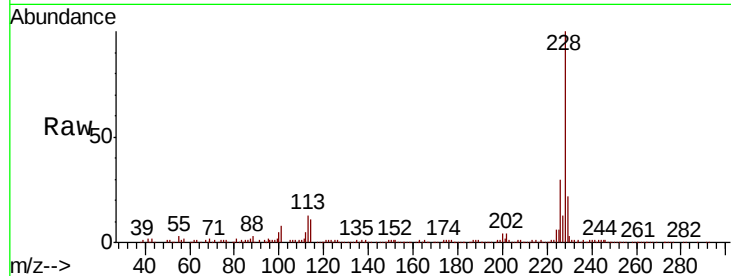
#83
Chrysene
Concen: 10.240 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Instrument :
BNA_F
ClientSampleId :
PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	37.0
229	22.4	15.9	23.9

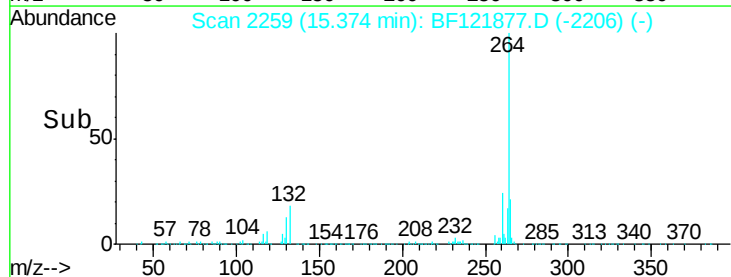
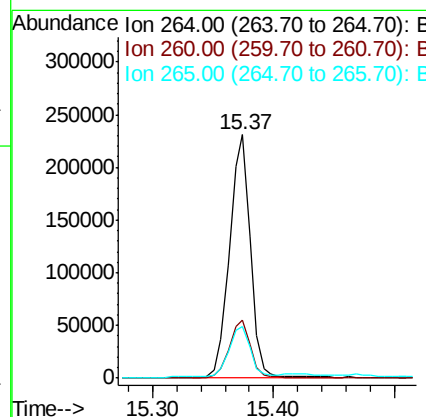
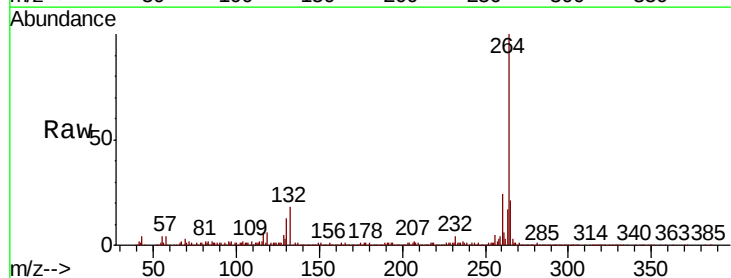
Manual Integrations
APPROVED

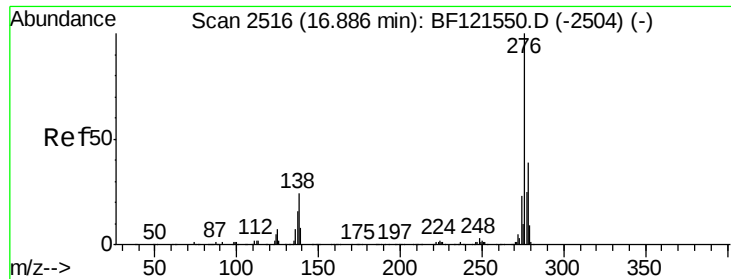
mohammad
10/8/2020 12:29:22 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.4	17.3	25.9





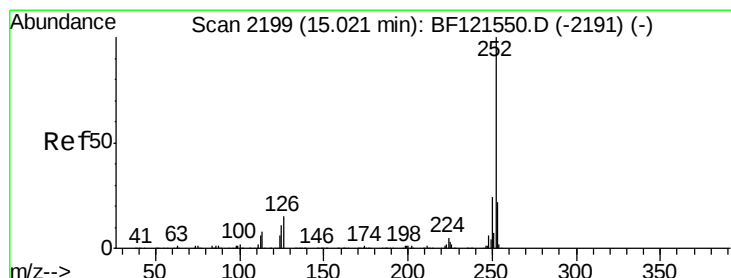
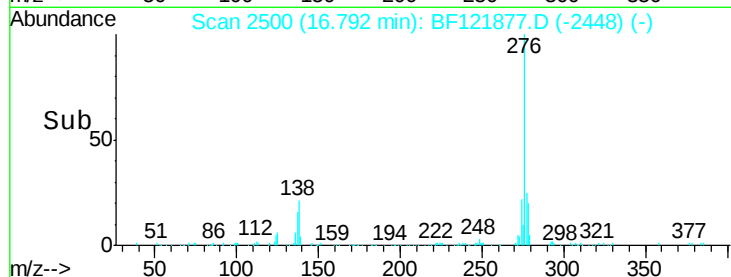
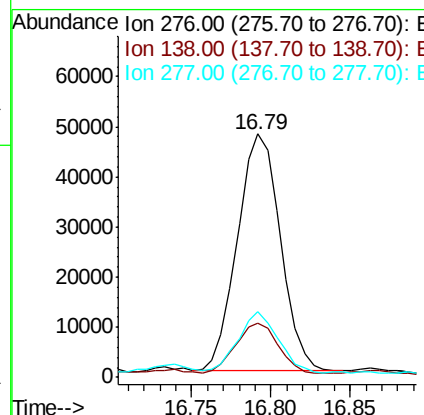
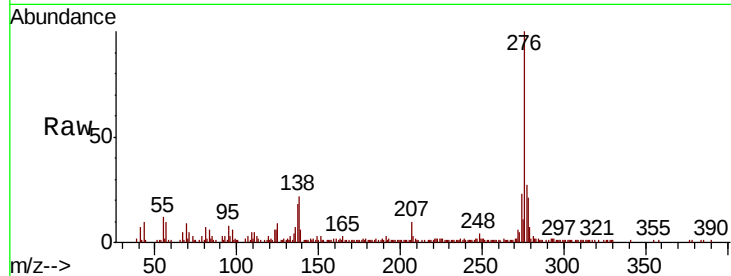
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.989 ng
RT: 16.79 min Scan# 2500
Delta R.T. 0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Instrument :
BNA_F
ClientSampleId :
PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.9	29.9
277	23.8	20.4	30.6

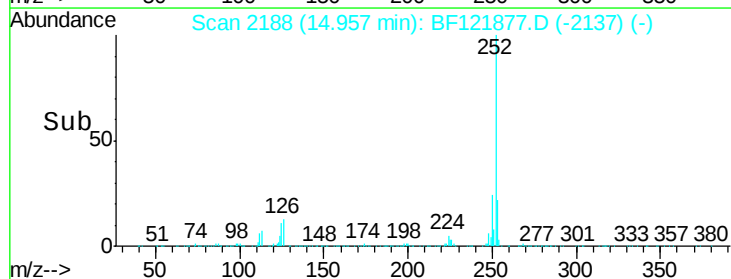
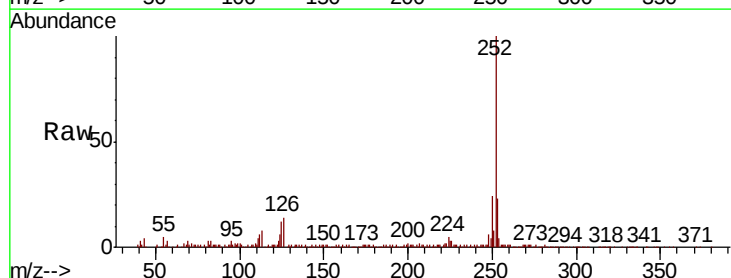
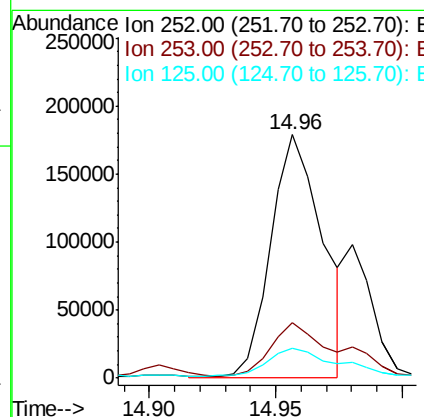
Manual Integrations
APPROVED

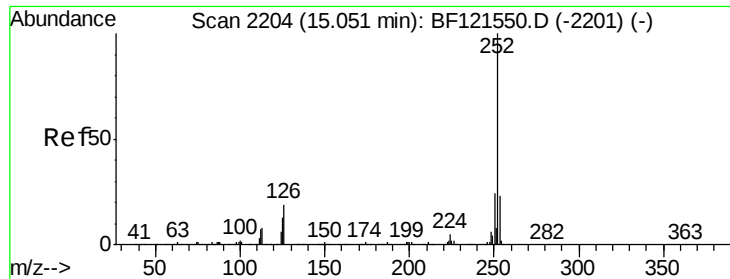
mohammad
10/8/2020 12:29:22 PM



#88
Benzo(b)fluoranthene
Concen: 14.015 ng m
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	12.3	8.0	12.0#





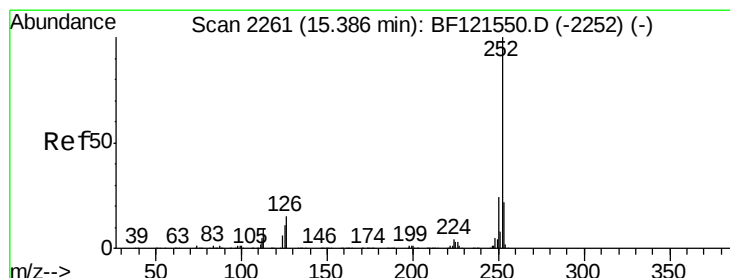
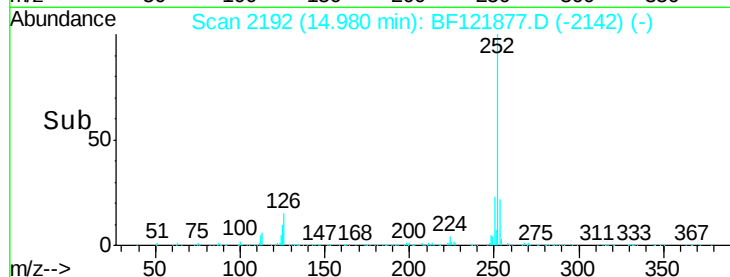
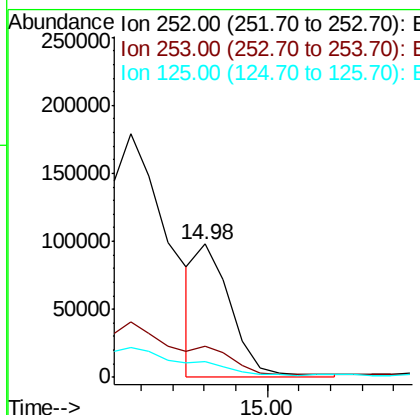
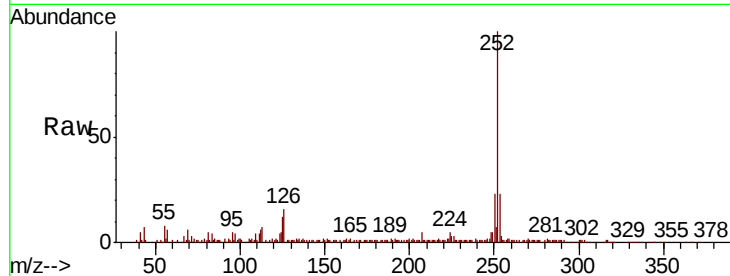
#89
Benzo(k)fluoranthene
Concen: 4.469 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Instrument :
BNA_F
ClientSampleId :
PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.7	7.7	11.5

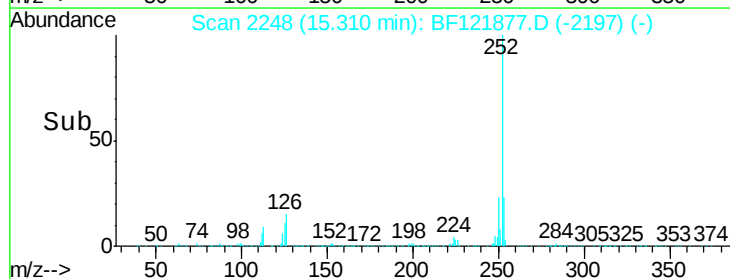
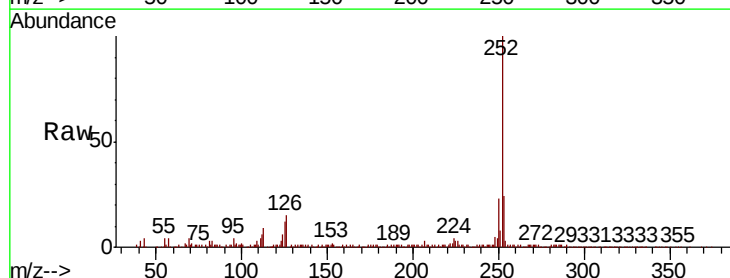
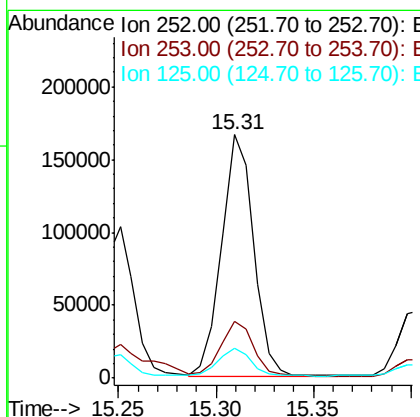
Manual Integrations
APPROVED

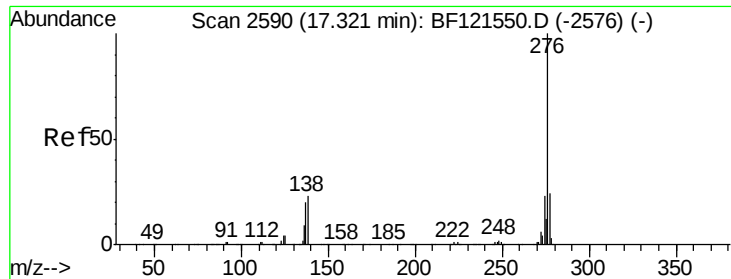
mohammad
10/8/2020 12:29:22 PM



#90
Benzo(a)pyrene
Concen: 12.191 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF121877.D
Acq: 7 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	12.1	8.6	13.0





#92
 Benzo(a,h,i)perylene
 Concen: 5.781 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. 0.01 min
 Lab File: BF121877.D
 Acq: 7 Oct 2020 16:57

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B21-100220-0-10

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.2
138	21.8	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 10/8/2020 12:29:22 PM

