

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121876.D
 Acq On : 7 Oct 2020 16:26
 Operator : JU/CG
 Sample : L4242-19 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B24-100120-DP

Manual Integrations
 APPROVED

mohammad
 10/8/2020 12:29:19 PM

Quant Time: Oct 07 17:03:48 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	129598	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	498176	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	236983	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	369662	20.00	ng	0.00
76) Chrysene-d12	13.93	240	300328	20.00	ng	0.00
86) Perylene-d12	15.37	264	274998	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	130171	14.93	ng	0.00
7) Phenol-d6	6.41	99	169808	14.84	ng	0.00
23) Nitrobenzene-d5	7.33	82	107926	11.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	30777	10.45	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	216711	13.85	ng	-0.01
79) Terphenyl-d14	12.87	244	167246	11.28	ng	-0.01
Target Compounds						
71) Phenanthrene	11.31	178	42924	2.131	ng	99
75) Fluoranthene	12.50	202	64005	2.977	ng	98
78) Pyrene	12.73	202	66348	3.024	ng	99
88) Benzo(b)fluoranthene	14.96	252	50012m	2.720	ng	
90) Benzo(a)pyrene	15.31	252	36165	2.314	ng	# 92

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

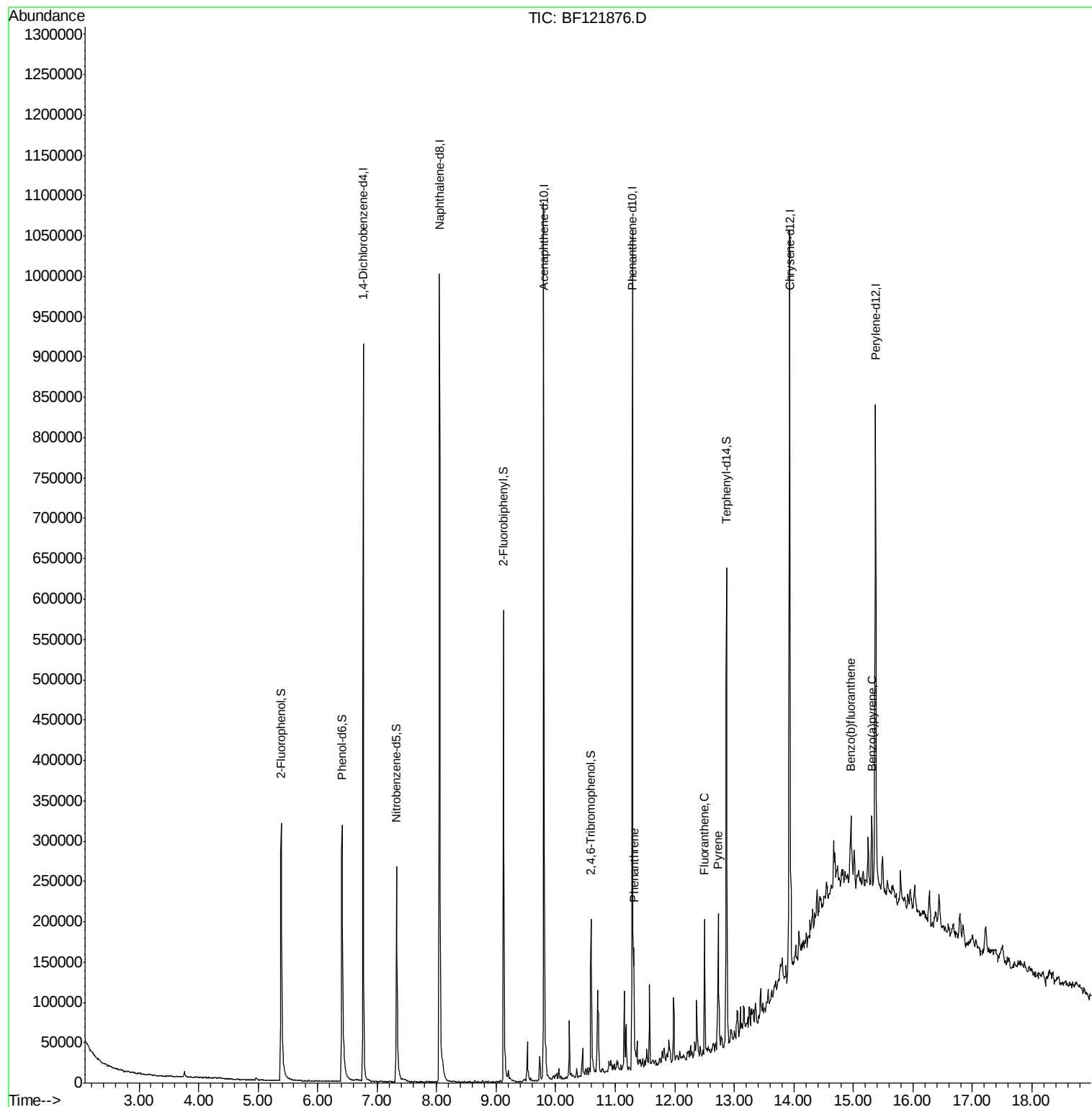
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
Data File : BF121876.D
Acq On : 7 Oct 2020 16:26
Operator : JU/CG
Sample : L4242-19 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

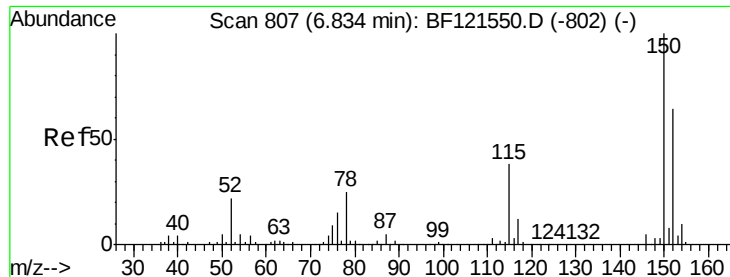
Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-DP

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:19 PM

Quant Time: Oct 07 17:03:48 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

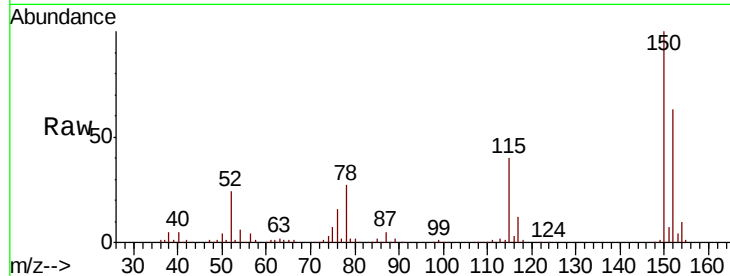
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-DP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.3	187.9
115	64.2	51.9	77.9

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:19 PM

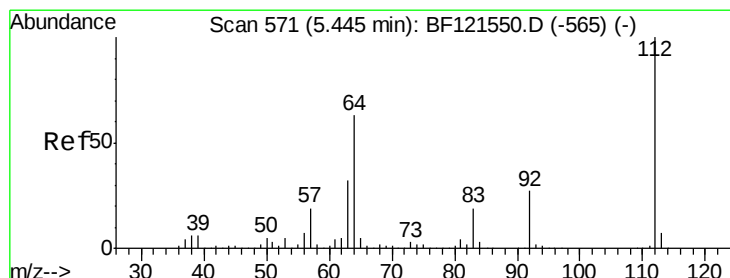
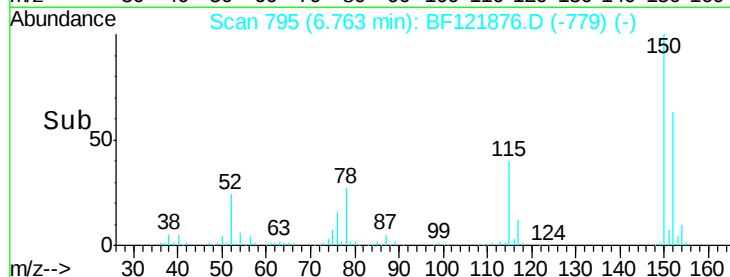
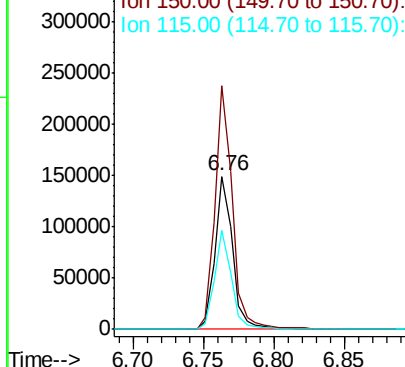


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

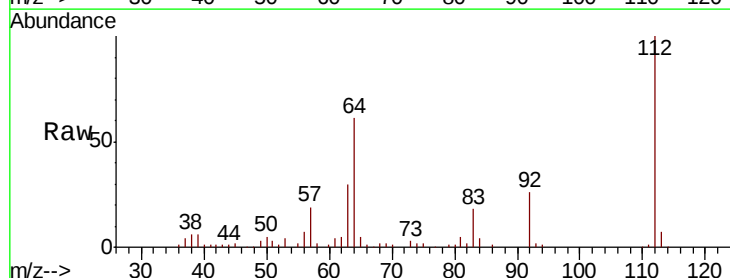
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.927 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	50.4	75.6
63	30.0	25.8	38.6

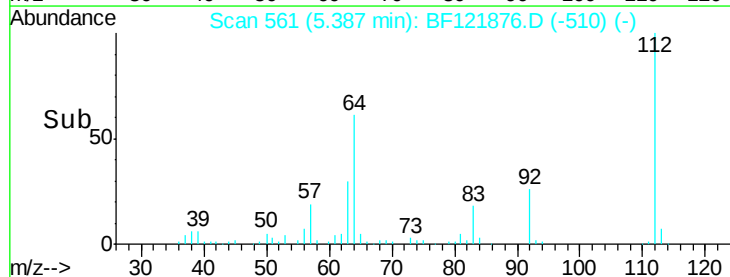
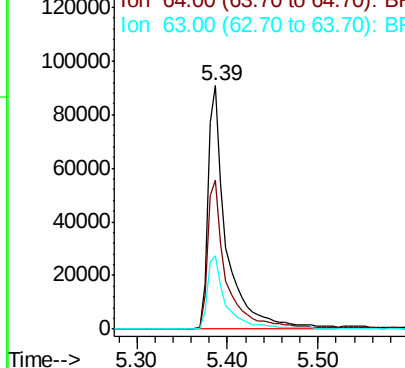


Abundance

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: 14.842 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Instrument :

BNA_F

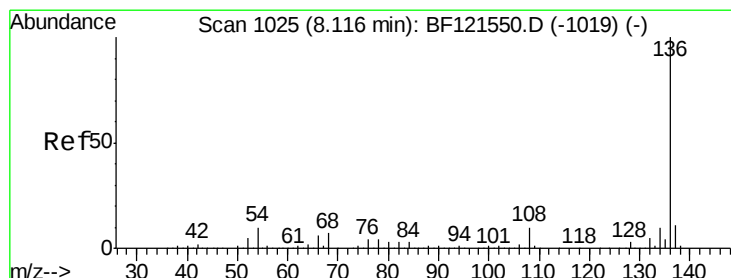
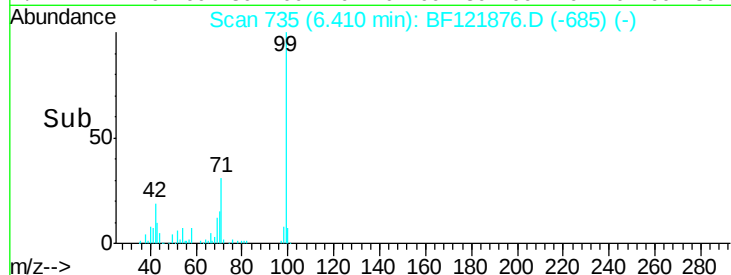
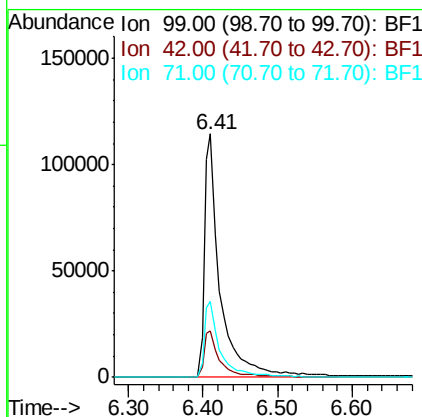
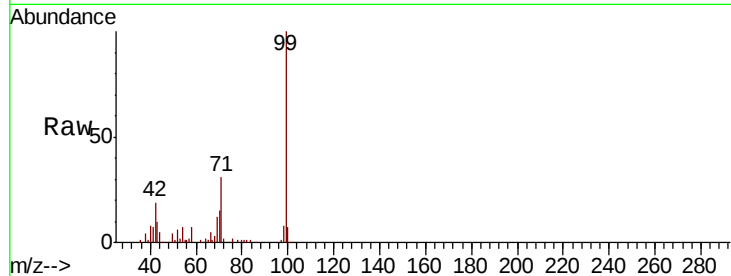
ClientSampleId :

PAV-B24-100120-DP

Tot Ion:	99	Resp:	169808
Ion Ratio	Lower	Upper	
99	100		
42	19.3	15.9	23.9
71	31.2	27.1	40.7

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:19 PM



#21

Naphthalene-d8

Concen: 20.000 ng

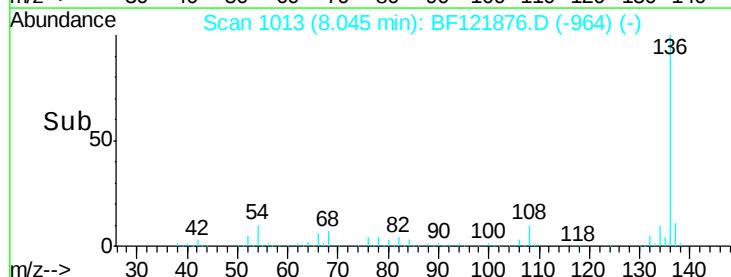
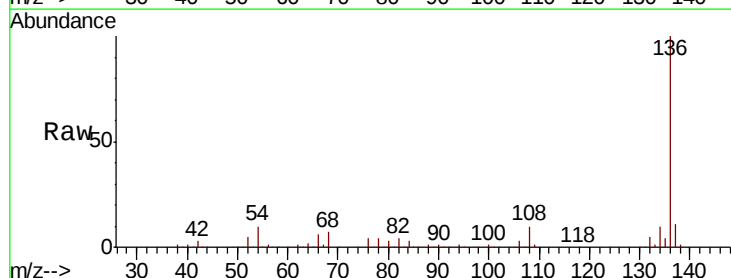
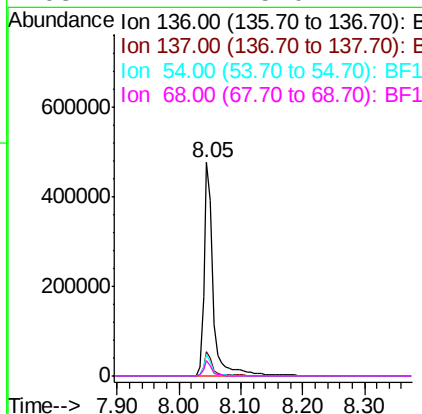
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Tgt Ion:	136	Resp:	498176
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.6	13.0
54	10.1	7.1	10.7
68	7.1	5.0	7.4





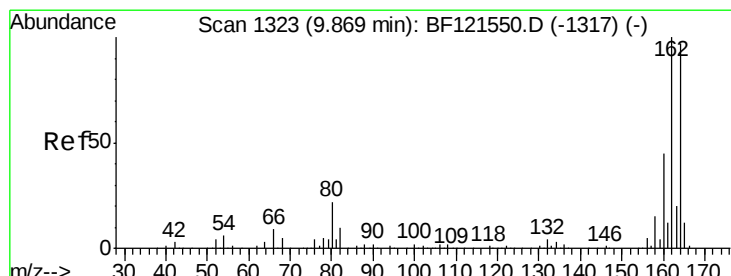
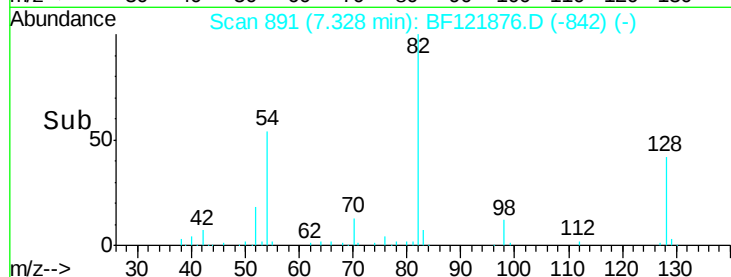
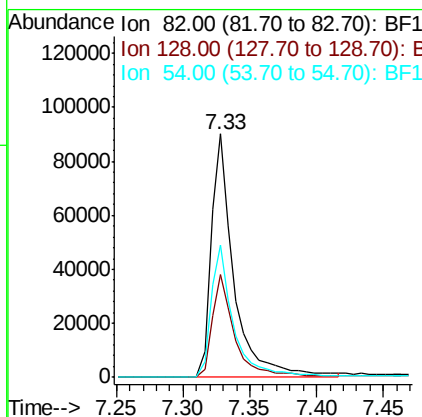
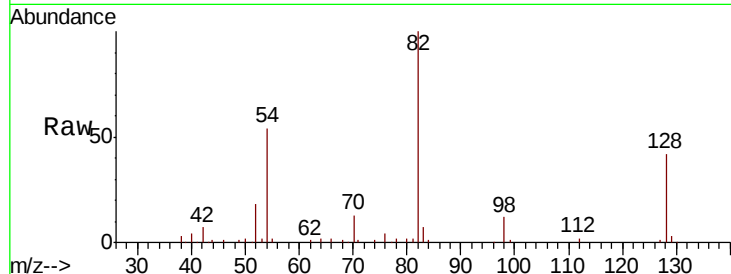
#23
 Nitrobenzene-d5
 Concen: 11.632 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: BF121876.D
 Acq: 7 Oct 2020 16:26

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B24-100120-DP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.1	35.0	52.4	
54	54.4	43.9	65.9	

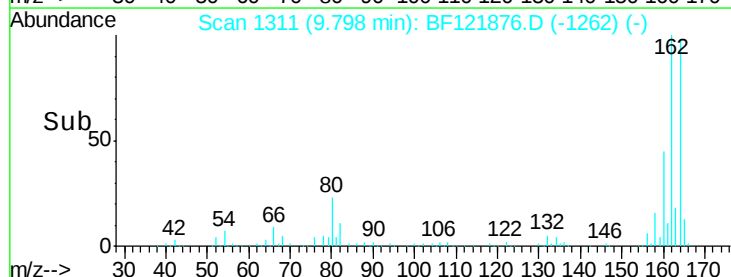
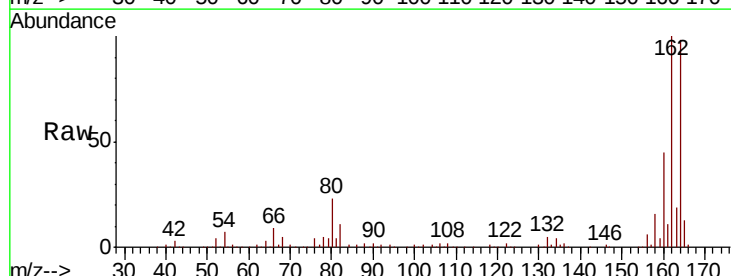
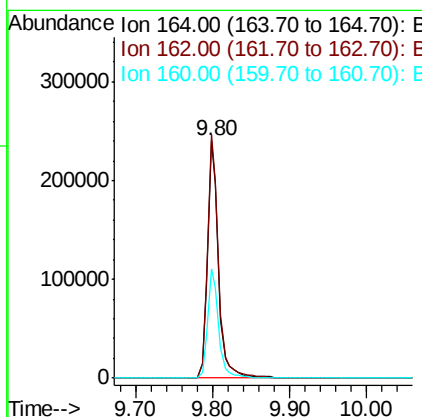
Manual Integrations
 APPROVED

mohammad
 10/8/2020 12:29:19 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF121876.D
 Acq: 7 Oct 2020 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	83.2	124.8	
160	46.0	37.5	56.3	





#42

2,4,6-Tribromophenol

Concen: 10.449 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Instrument :

BNA_F

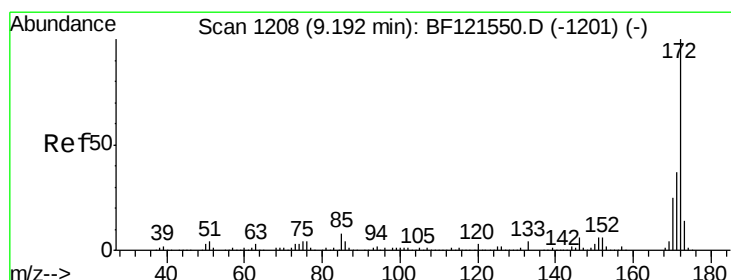
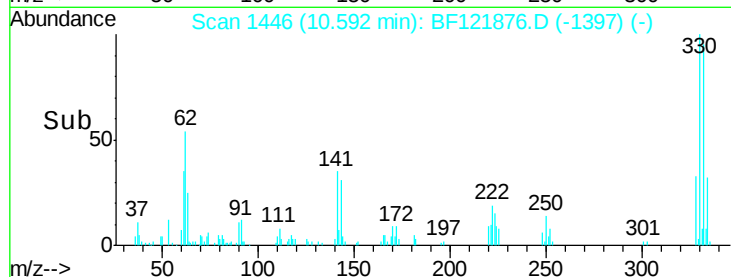
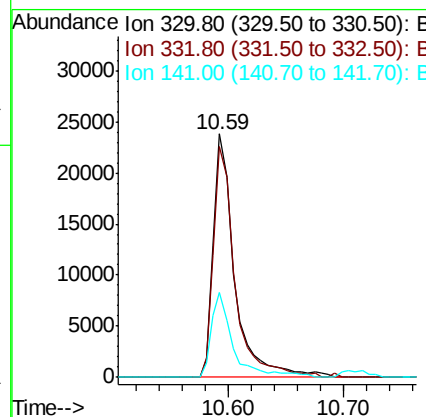
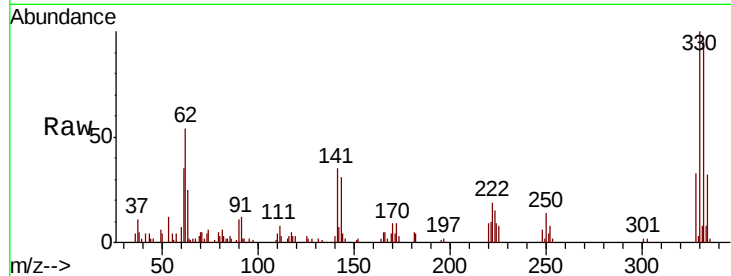
ClientSampleId :

PAV-B24-100120-DP

Tot Ion:	330	Resp:	30777
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.3	115.9
141	35.2	22.3	33.5#

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:19 PM



#45

2-Fluorobiphenyl

Concen: 13.850 ng

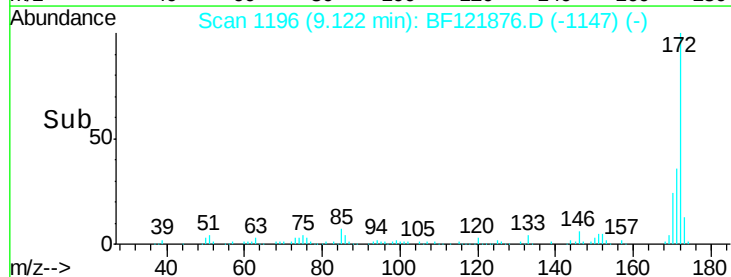
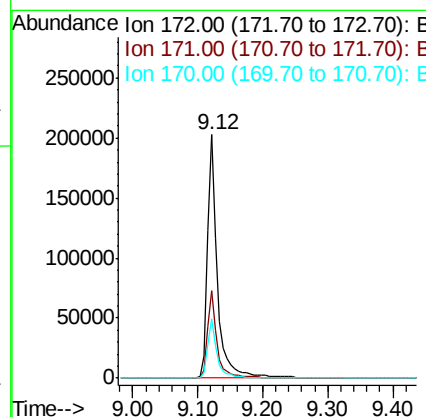
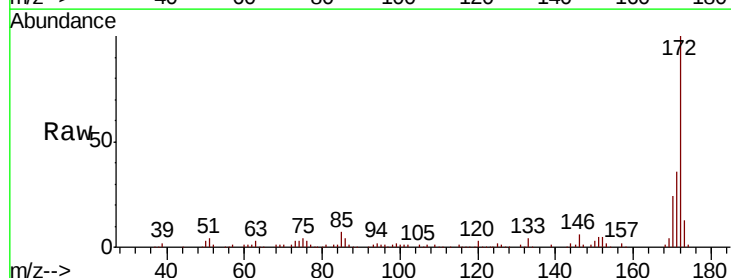
RT: 9.12 min Scan# 1196

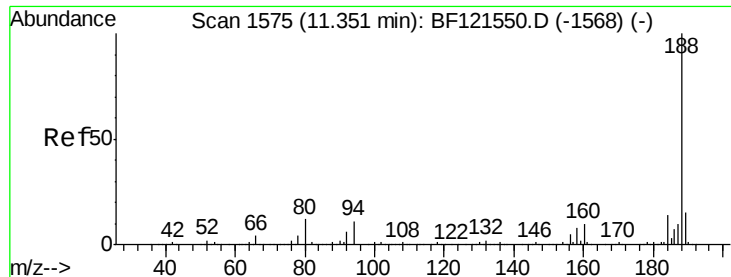
Delta R.T. -0.01 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Tgt Ion:	172	Resp:	216711
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.1	43.7
170	24.1	19.8	29.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Instrument :

BNA_F

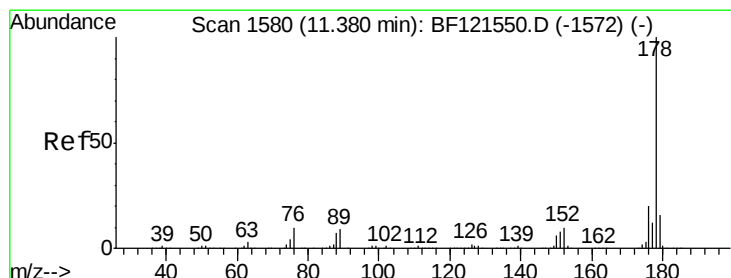
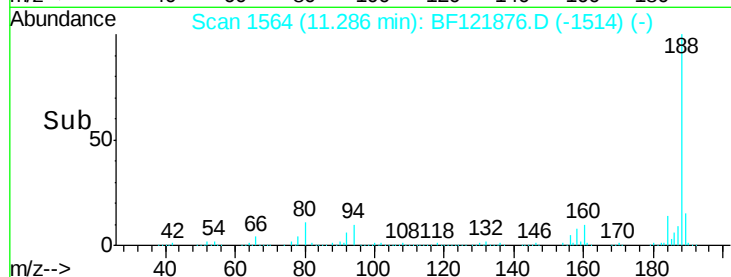
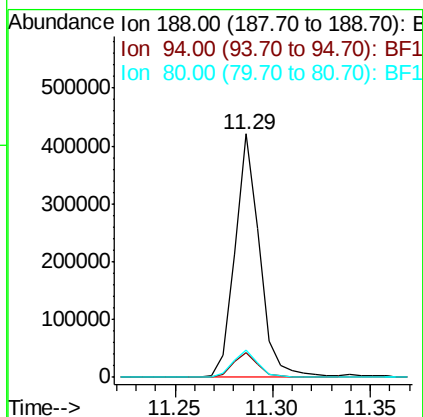
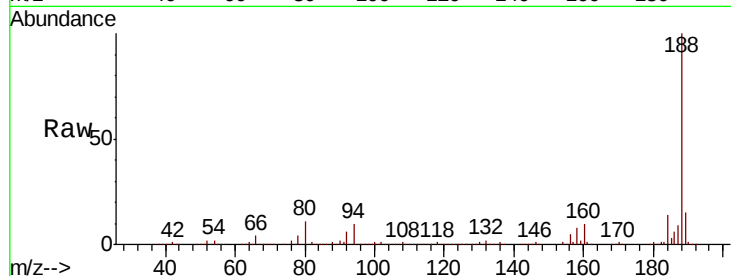
ClientSampleId :

PAV-B24-100120-DP

Tot Ion:	188	Resp:	369662
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.3	12.5
80	11.4	9.1	13.7

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:19 PM



#71

Phenanthrene

Concen: 2.131 ng

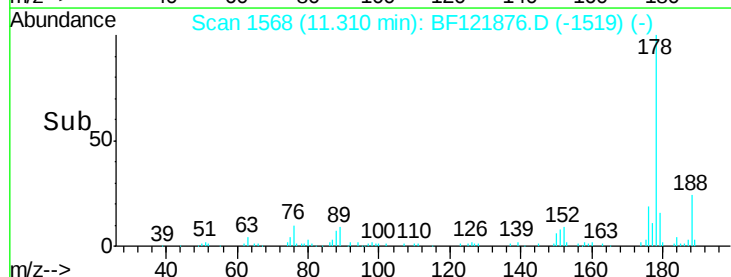
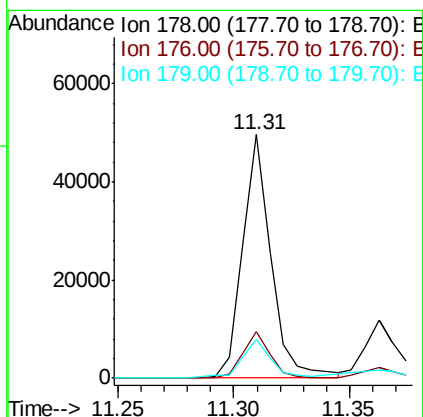
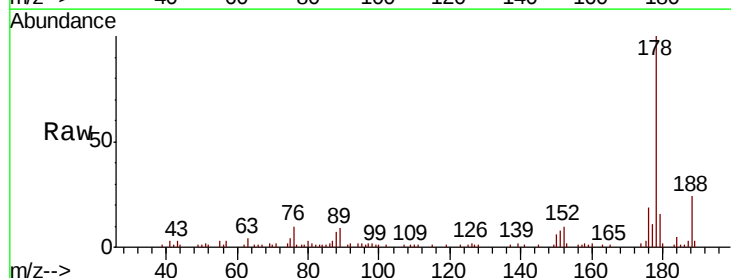
RT: 11.31 min Scan# 1568

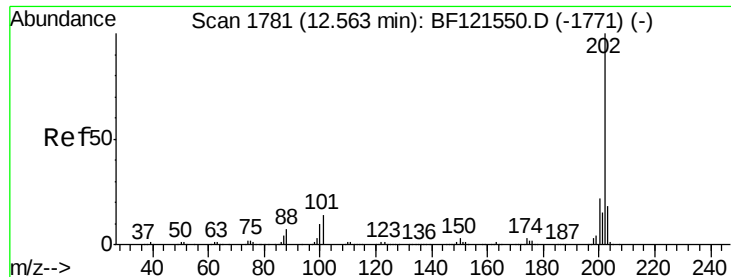
Delta R.T. -0.01 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Tgt Ion:	178	Resp:	42924
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.9	23.9
179	15.8	12.2	18.4





#75

Fluoranthene

Concen: 2.977 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Instrument :

BNA_F

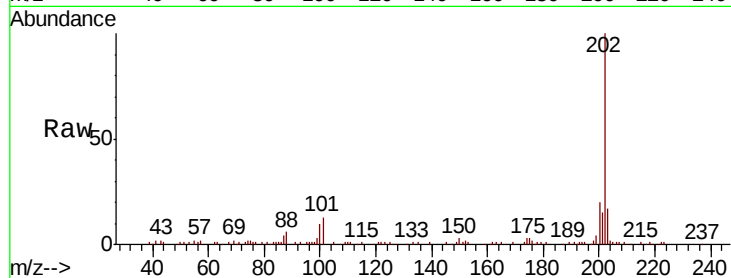
ClientSampleId :

PAV-B24-100120-DP

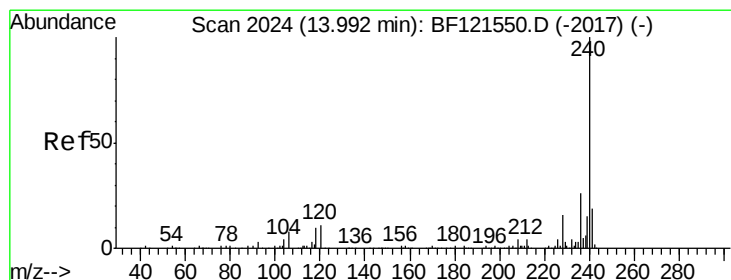
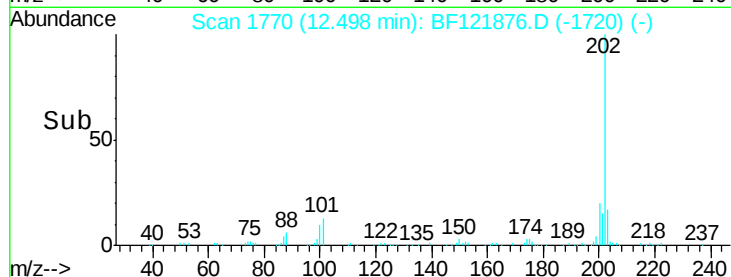
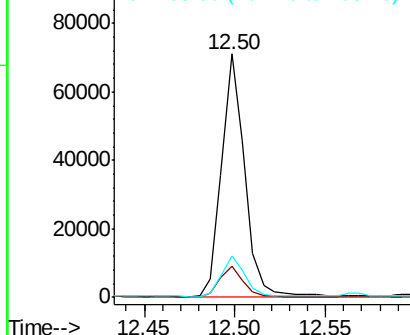
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		64005		
101	12.9	0.0	33.4		
203	16.9	0.0	37.9		

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:19 PM



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

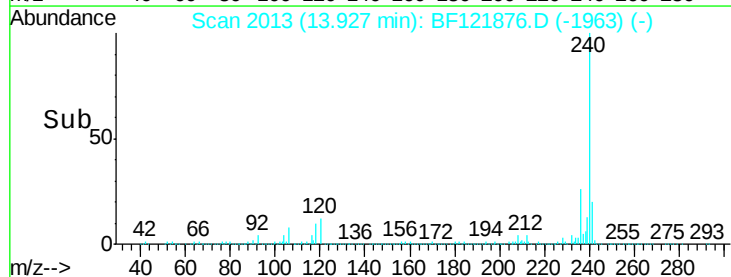
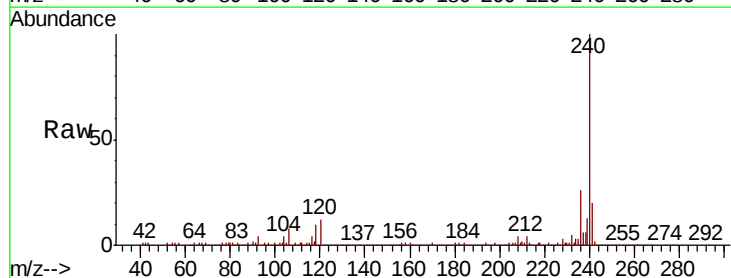
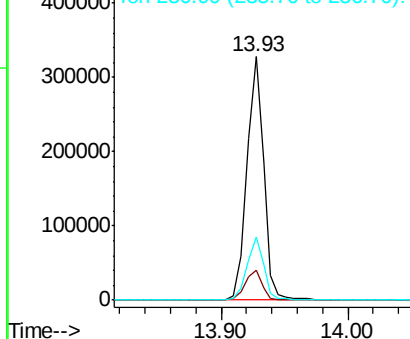
Delta R.T. -0.01 min

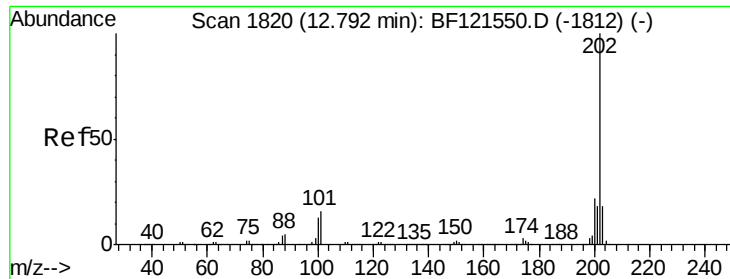
Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		300328		
120	12.1	9.2	13.8		
236	25.9	20.9	31.3		

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





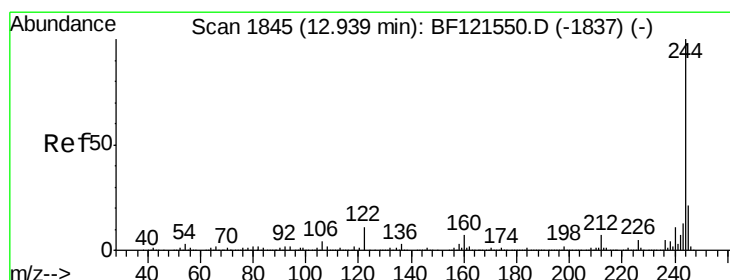
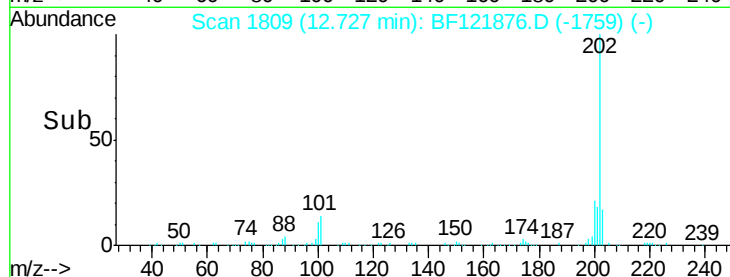
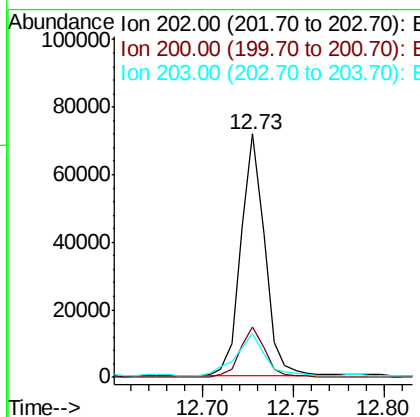
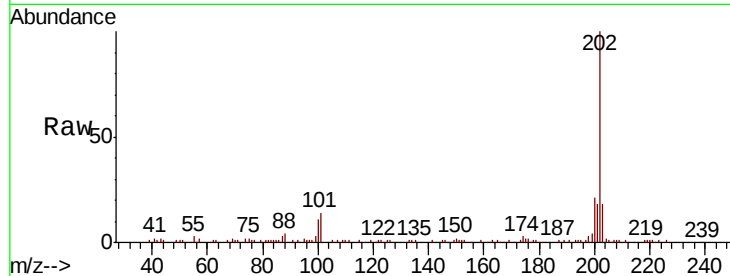
#78
Pvrene
Concen: 3.024 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-DP

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.0	14.6	21.8

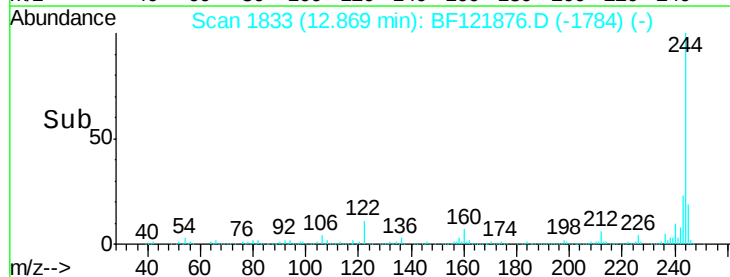
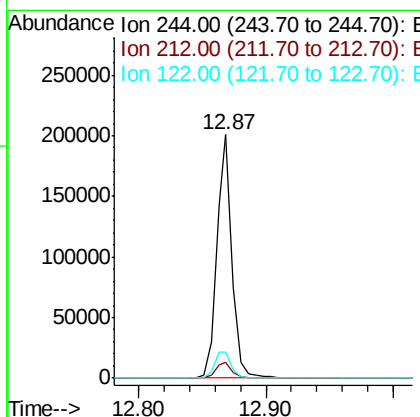
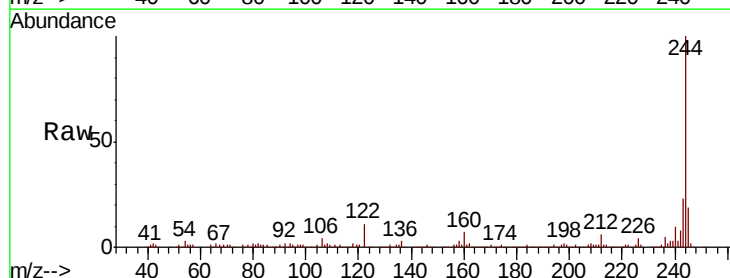
Manual Integrations
APPROVED

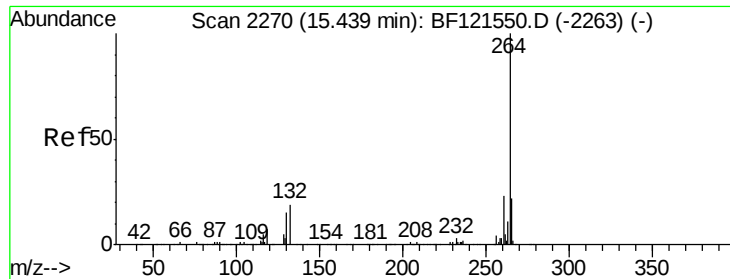
mohammad
10/8/2020 12:29:19 PM



#79
Terphenyl-d14
Concen: 11.282 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	10.7	8.1	12.1





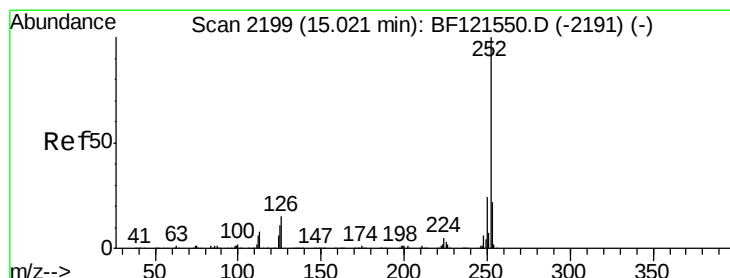
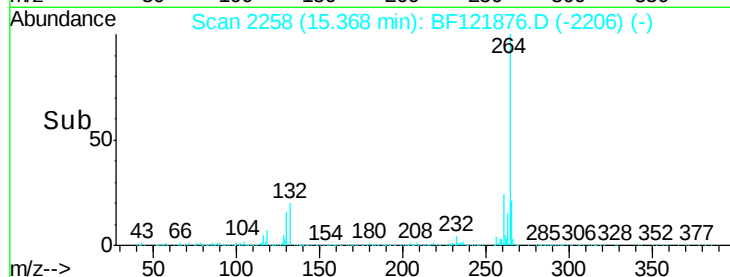
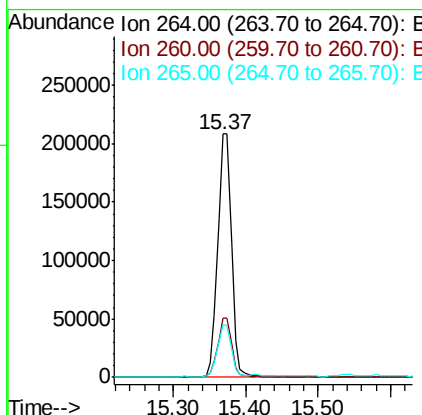
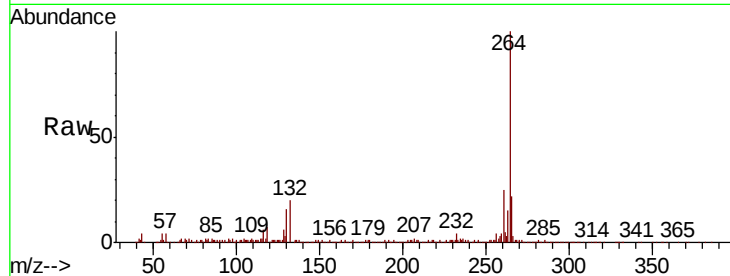
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-DP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	21.8	17.3	25.9

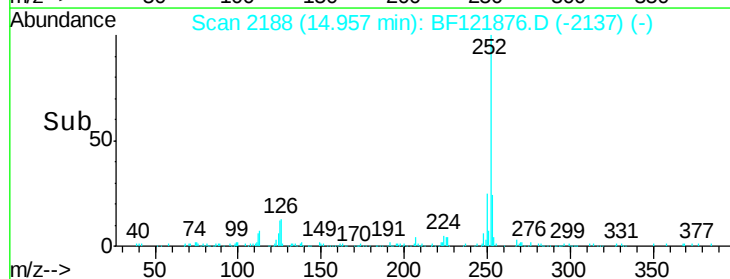
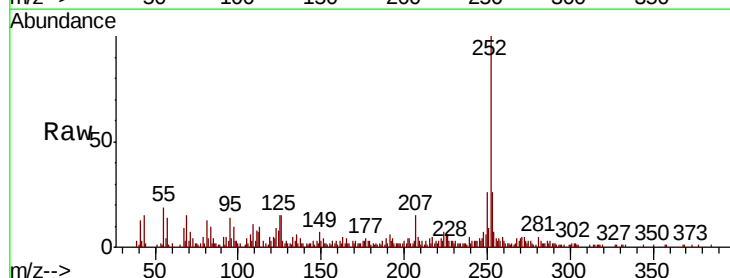
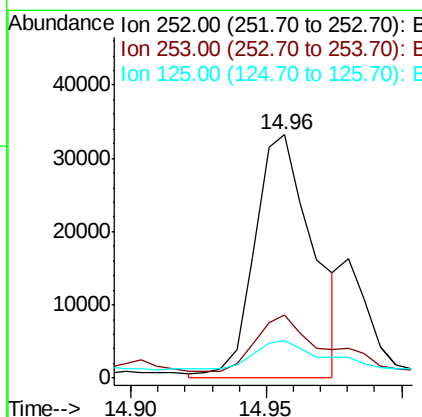
Manual Integrations
APPROVED

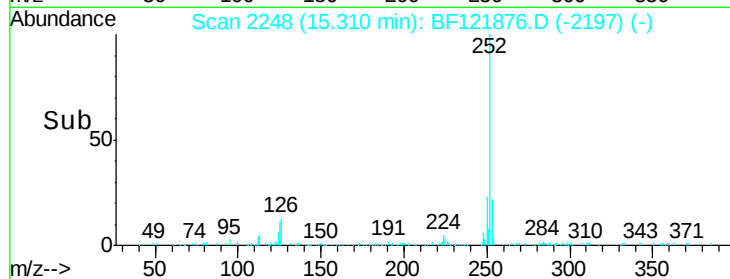
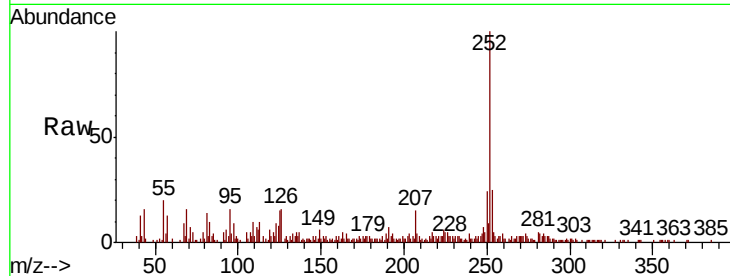
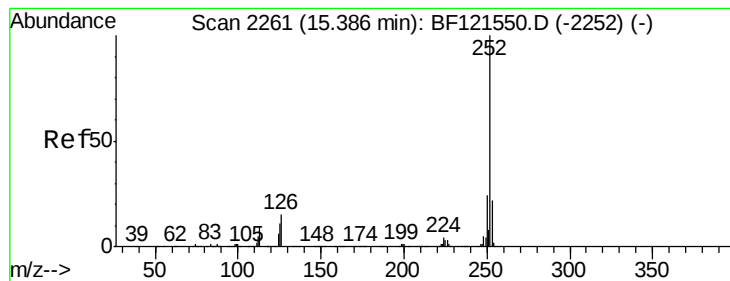
mohammad
10/8/2020 12:29:19 PM



#88
Benzo(b)fluoranthene
Concen: 2.720 ng m
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.2	27.2
125	15.5	8.0	12.0#





#90

Benzo(a)pyrene

Concen: 2.314 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Instrument :

BNA_F

ClientSampleId :

PAV-B24-100120-DP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.3	25.9
125	14.9	8.6	13.0

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:19 PM

