

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121862.D
 Acq On : 6 Oct 2020 20:04
 Operator : JU/CG
 Sample : L4230-04 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26516

Manual Integrations
 APPROVED

mohammad
 10/7/2020 10:41:14 AM

Quant Time: Oct 07 01:00:22 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	117035	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	429392	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	176521	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	258063	20.00	ng	0.00
76) Chrysene-d12	13.93	240	277147	20.00	ng	0.00
86) Perylene-d12	15.37	264	244526	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	146470	18.60	ng	0.00
7) Phenol-d6	6.40	99	184395	17.85	ng	-0.01
23) Nitrobenzene-d5	7.32	82	114921	14.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	31722	14.46	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	206165	17.69	ng	-0.01
79) Terphenyl-d14	12.87	244	160584	11.74	ng	-0.01
Target Compounds						
71) Phenanthrene	11.31	178	55471	3.945	ng	Qvalue # 89
75) Fluoranthene	12.50	202	186861	12.450	ng	97
78) Pyrene	12.73	202	177441	8.763	ng	99
81) Benzo(a)anthracene	13.92	228	125871	7.179	ng	99
83) Chrysene	13.95	228	120807	6.804	ng	98
87) Indeno(1,2,3-cd)pyrene	16.78	276	59102	3.711	ng	95
88) Benzo(b)fluoranthene	14.95	252	168955m	10.336	ng	
89) Benzo(k)fluoranthene	14.97	252	55254m	3.691	ng	
90) Benzo(a)pyrene	15.30	252	103688	7.462	ng	# 92
92) Benzo(g,h,i)perylene	17.21	276	58919	4.522	ng	99

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

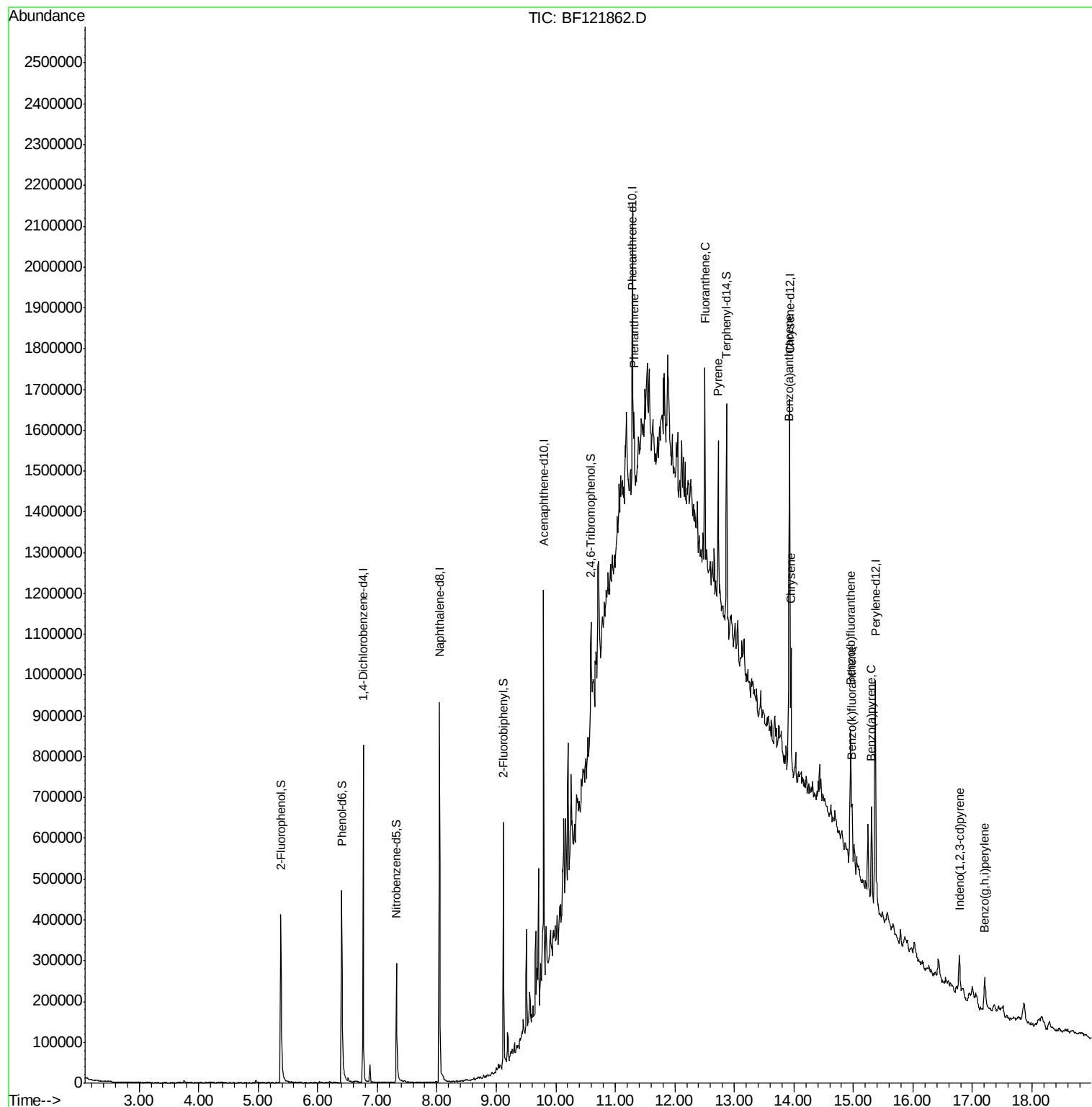
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

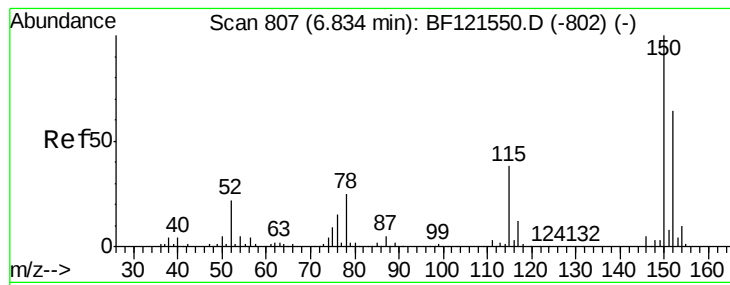
Instrument :
BNA_F
ClientSampleId :
26516

Manual Integrations
APPROVED

mohammad
10/7/2020 10:41:14 AM

Quant Time: Oct 07 01:00:22 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





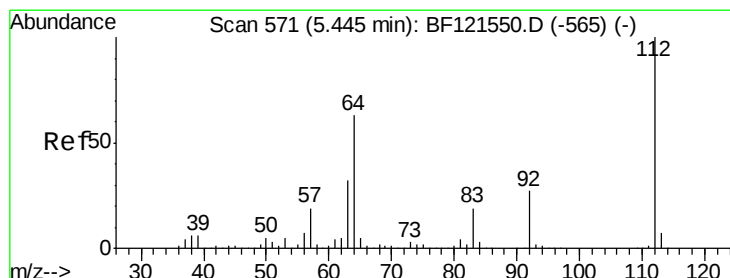
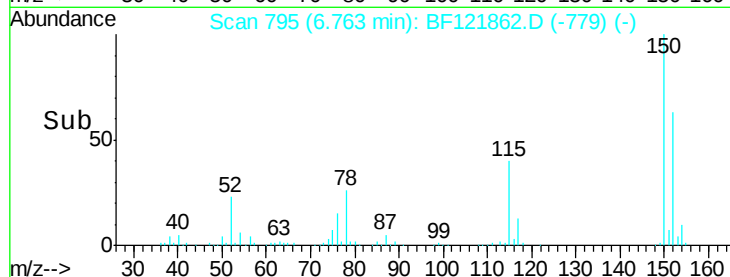
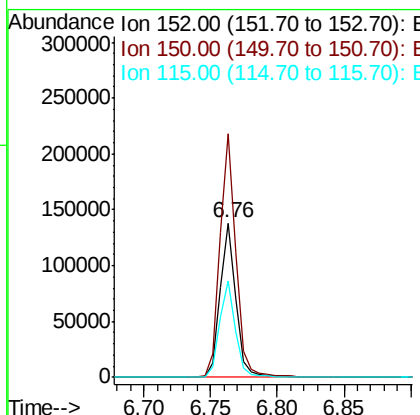
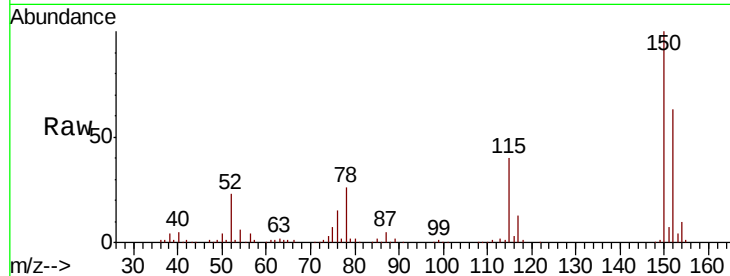
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF121862.D
 Acq: 6 Oct 2020 20:04

Instrument :
 BNA_F
 ClientSampled :
 26516

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.3	187.9
115	62.6	51.9	77.9

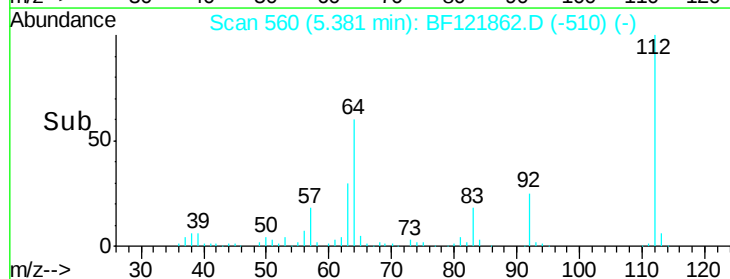
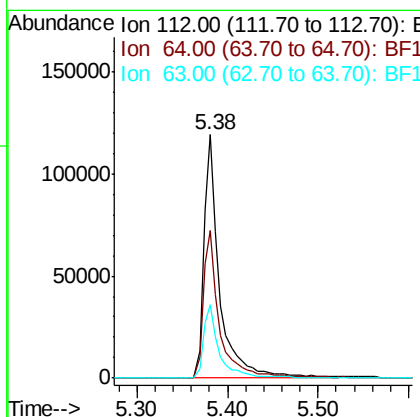
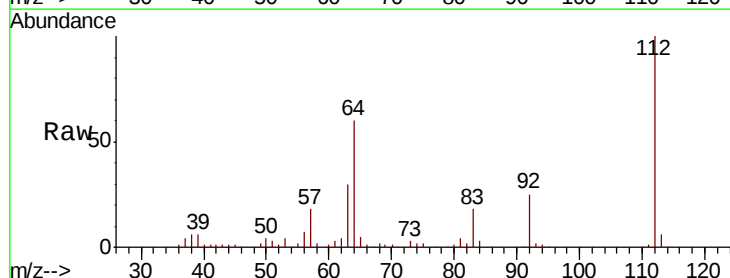
Manual Integrations
 APPROVED

mohammad
 10/7/2020 10:41:14 AM



#5
 2-Fluorophenol
 Concen: 18.599 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121862.D
 Acq: 6 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	50.4	75.6
63	29.9	25.8	38.6





#7

Phenol-d6

Concen: 17.847 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121862.D

Acq: 6 Oct 2020 20:04

Instrument :

BNA_F

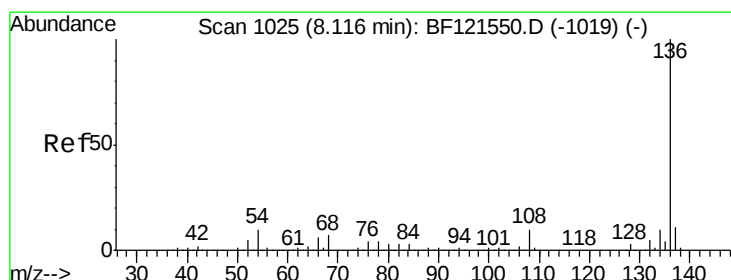
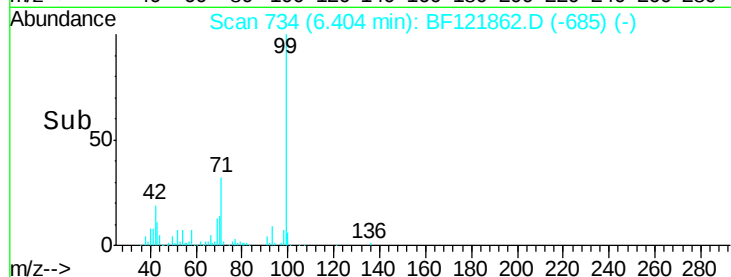
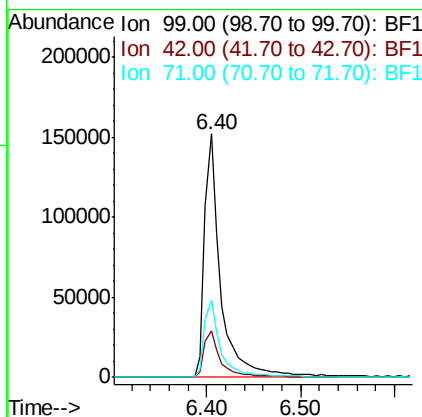
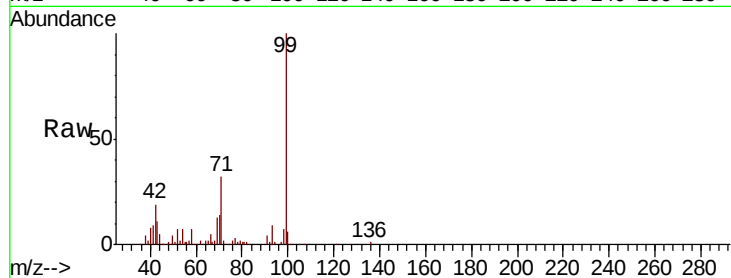
ClientSampleId :

26516

Tot Ion:	99	Resp:	184395
Ion Ratio	Lower	Upper	
99	100		
42	19.0	15.9	23.9
71	31.7	27.1	40.7

Manual Integrations
APPROVED

mohammad
10/7/2020 10:41:14 AM



#21

Naphthalene-d8

Concen: 20.000 ng

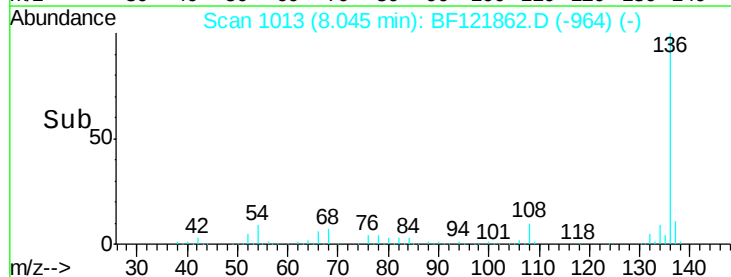
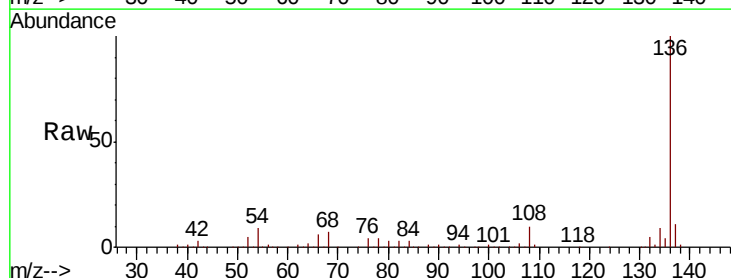
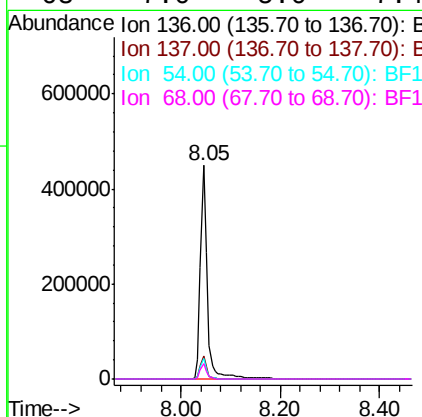
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121862.D

Acq: 6 Oct 2020 20:04

Tgt Ion:	136	Resp:	429392
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	9.4	7.1	10.7
68	7.0	5.0	7.4





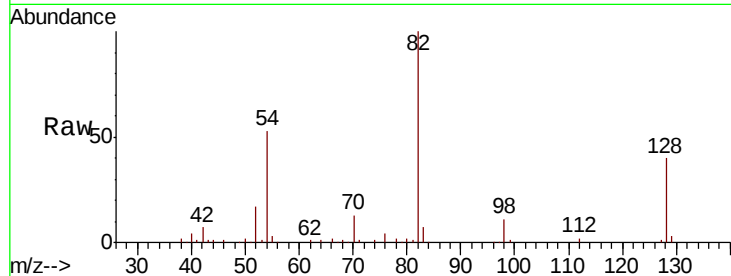
#23
Nitrobenzene-d5
Concen: 14.370 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Instrument :
BNA_F
ClientSampled :
26516

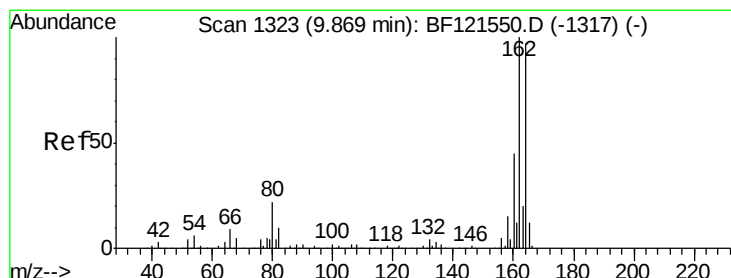
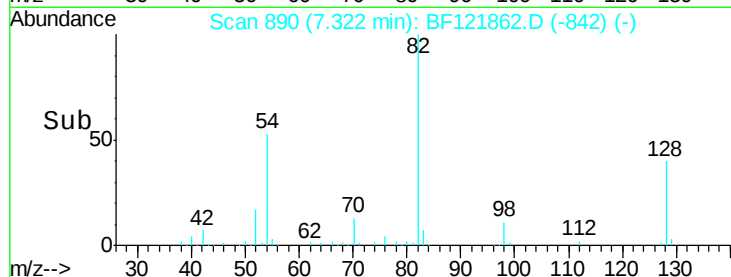
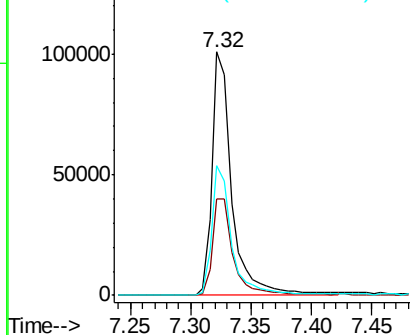
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.6	35.0	52.4
54	53.2	43.9	65.9

Manual Integrations
APPROVED

mohammad
10/7/2020 10:41:14 AM

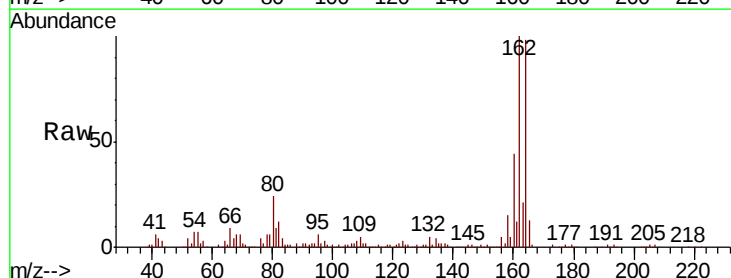


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

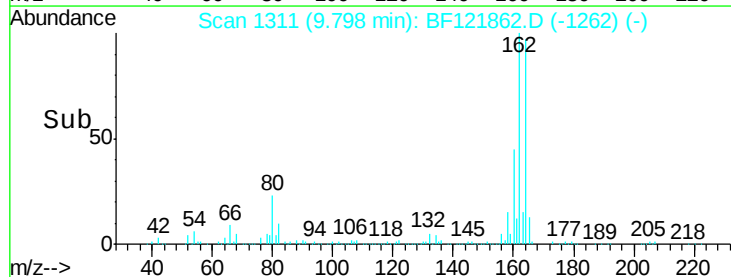
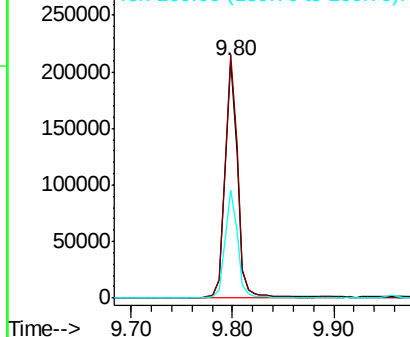


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.2	124.8
160	45.6	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: 14.459 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121862.D

Acq: 6 Oct 2020 20:04

Instrument :

BNA_F

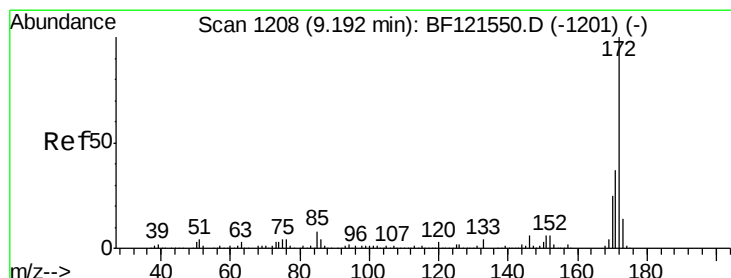
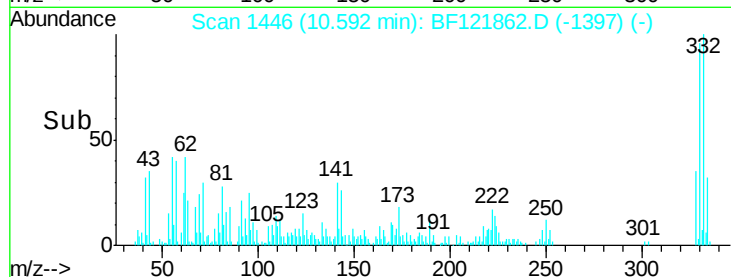
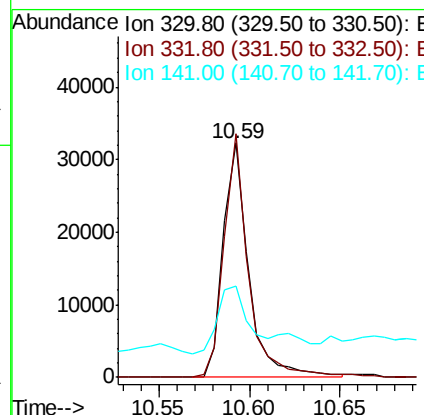
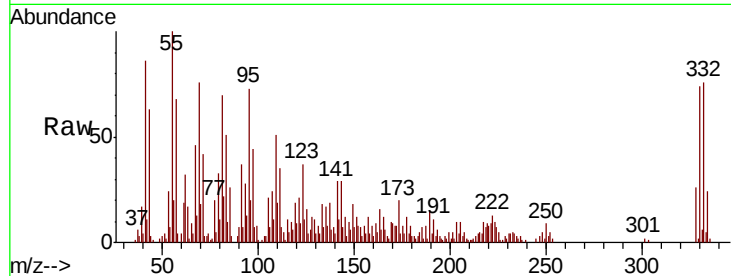
ClientSampleId :

26516

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.2	77.3	115.9
141	34.3	22.3	33.5

Manual Integrations
APPROVED

mohammad
10/7/2020 10:41:14 AM



#45

2-Fluorobiphenyl

Concen: 17.689 ng

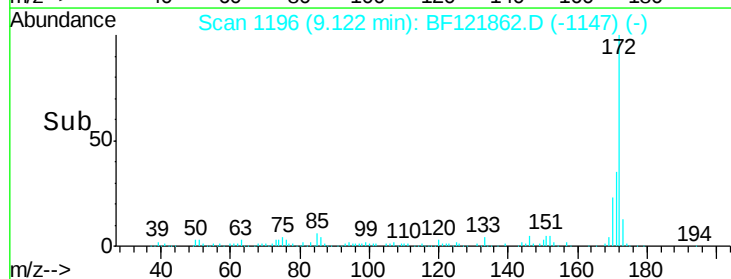
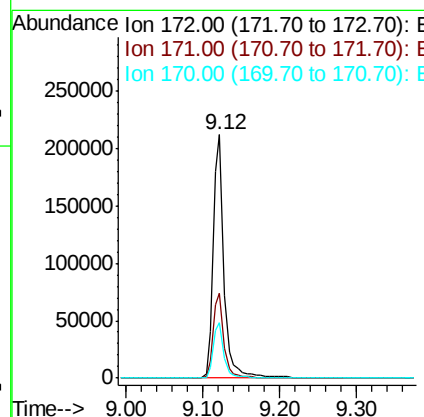
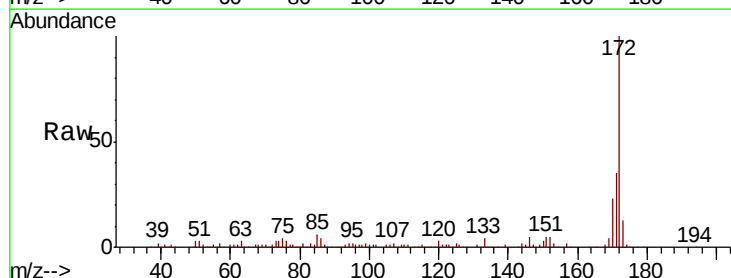
RT: 9.12 min Scan# 1196

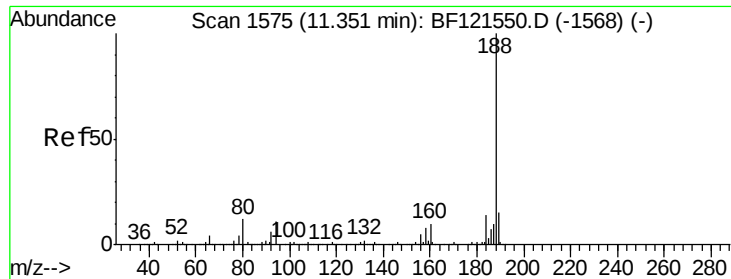
Delta R.T. -0.01 min

Lab File: BF121862.D

Acq: 6 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.1	43.7
170	22.9	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: BF121862.D

Acq: 6 Oct 2020 20:04

Instrument :

BNA_F

ClientSampleId :

26516

Tot Ion:188 Resp: 258063

Ion Ratio Lower Upper

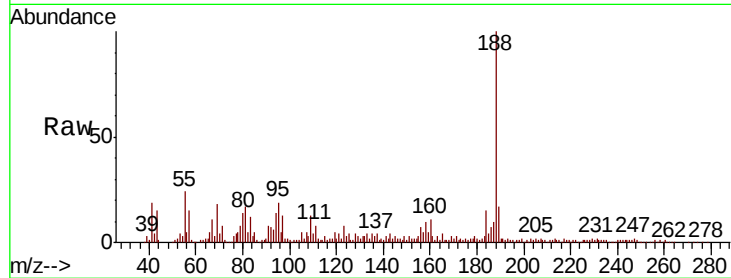
188 100

94 13.8 8.3 12.5#

80 13.8 9.1 13.7#

Manual Integrations
APPROVED

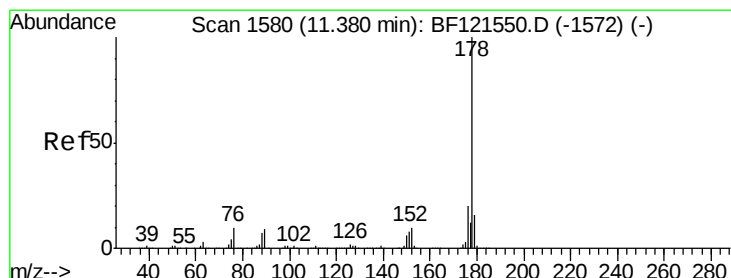
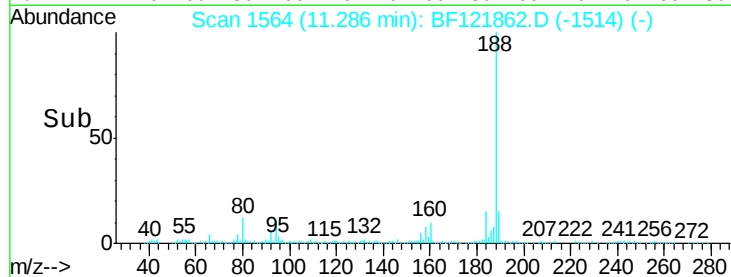
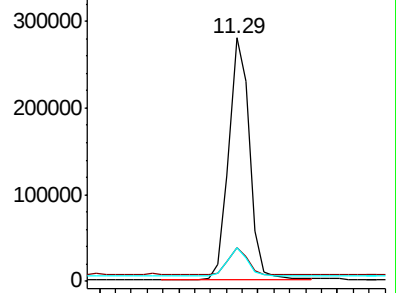
mohammad
10/7/2020 10:41:14 AM



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: 3.945 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF121862.D

Acq: 6 Oct 2020 20:04

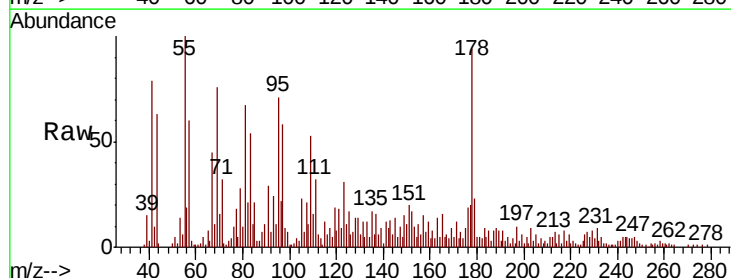
Tgt Ion:178 Resp: 55471

Ion Ratio Lower Upper

178 100

176 20.4 15.9 23.9

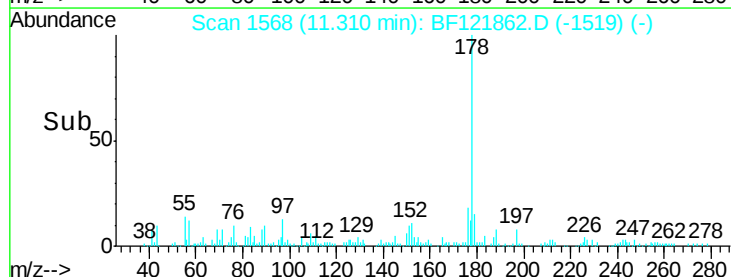
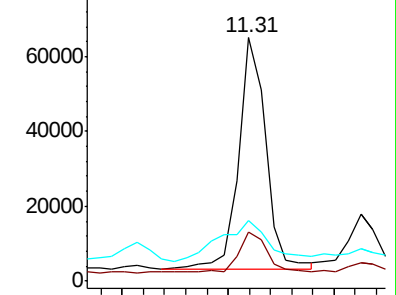
179 25.0 12.2 18.4#

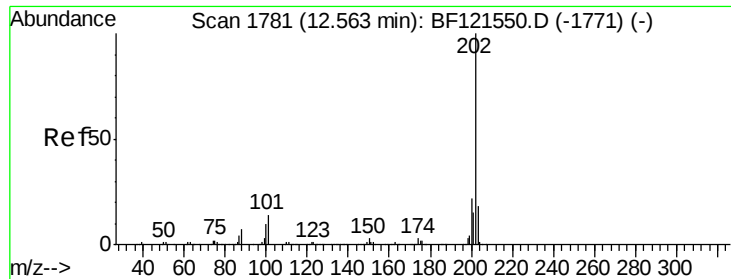


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 12.450 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121862.D

Acq: 6 Oct 2020 20:04

Instrument :

BNA_F

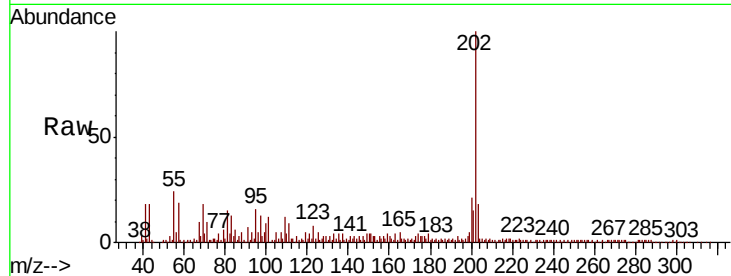
ClientSampleID :

26516

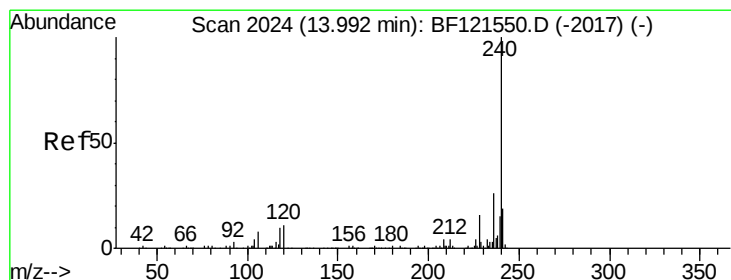
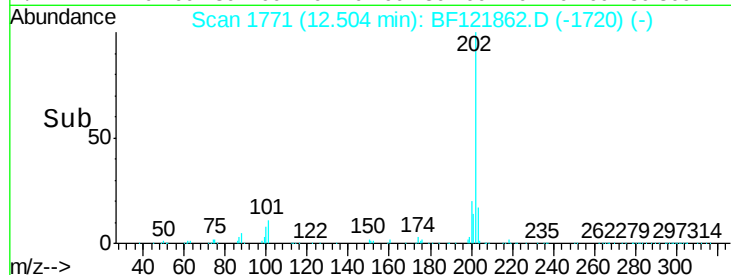
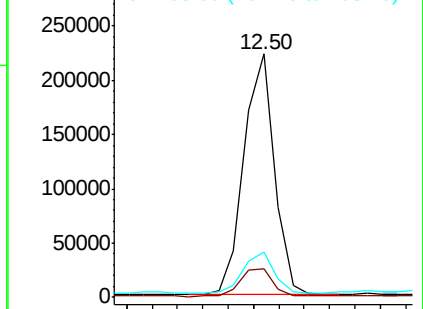
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		186861		
101	11.6	0.0	33.4		
203	18.5	0.0	37.9		

Manual Integrations
APPROVED

mohammad
10/7/2020 10:41:14 AM



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

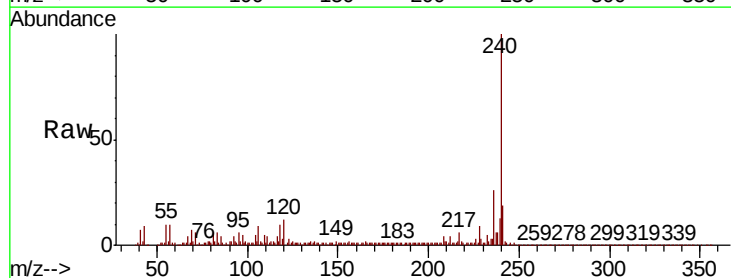
RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

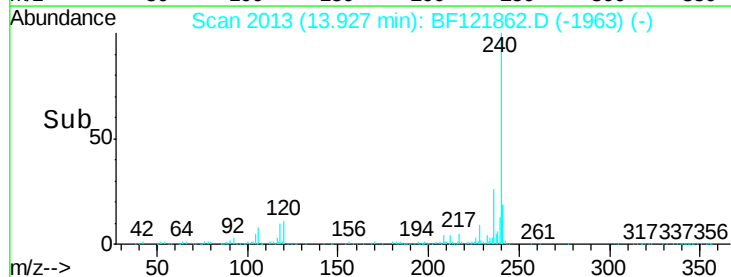
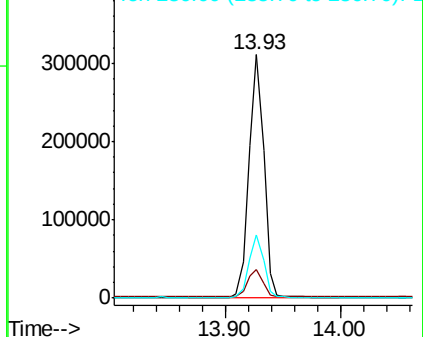
Lab File: BF121862.D

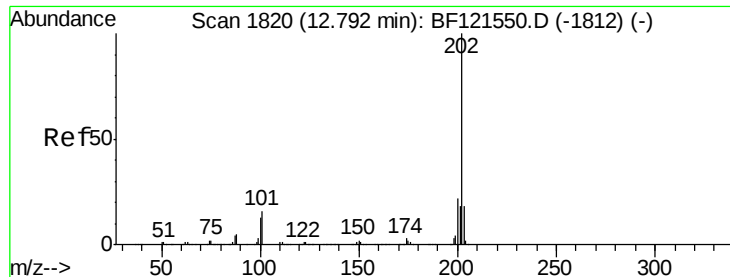
Acq: 6 Oct 2020 20:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		277147		
120	11.9	9.2	13.8		
236	26.2	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





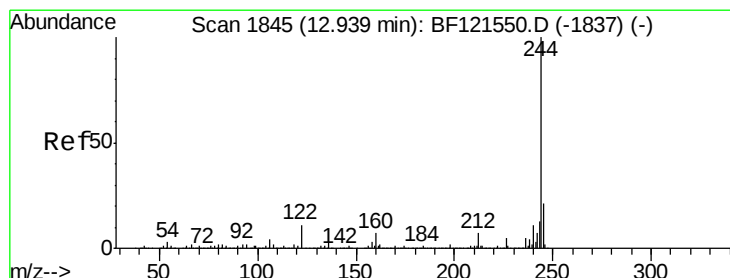
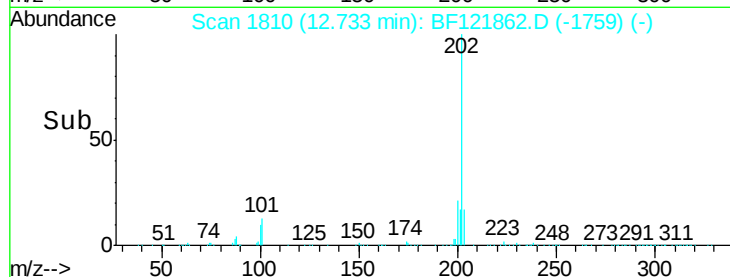
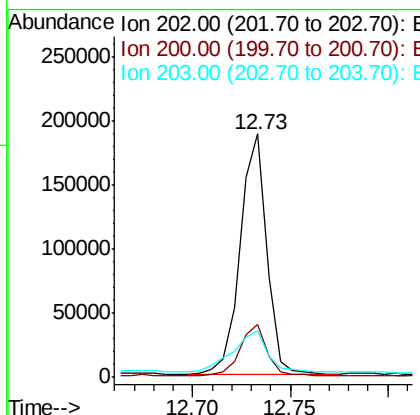
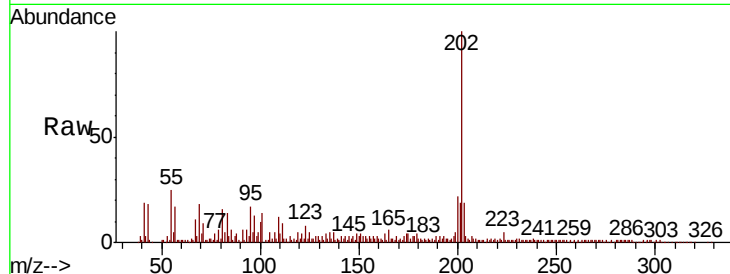
#78
Pvrene
Concen: 8.763 ng
RT: 12.73 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Instrument :
BNA_F
ClientSampleId :
26516

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	19.1	14.6	21.8

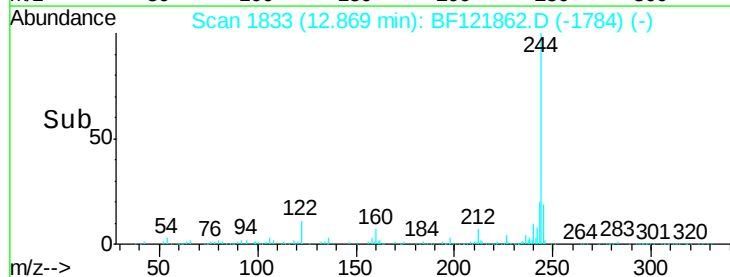
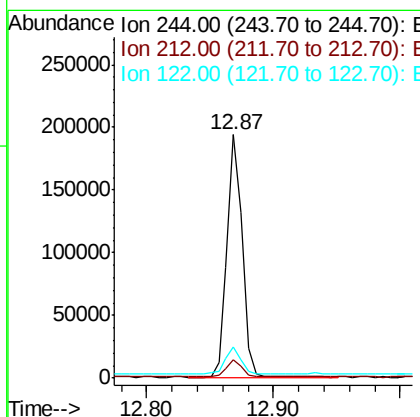
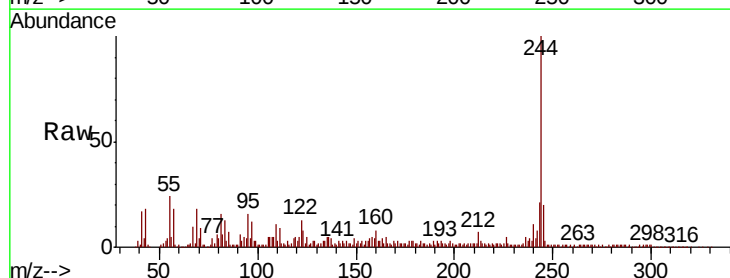
Manual Integrations
APPROVED

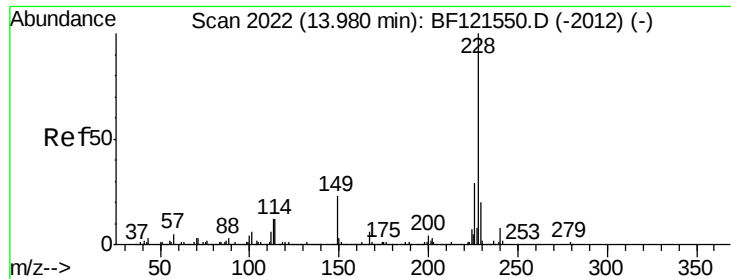
mohammad
10/7/2020 10:41:14 AM



#79
Terphenyl-d14
Concen: 11.738 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.2
122	13.0	8.1	12.1





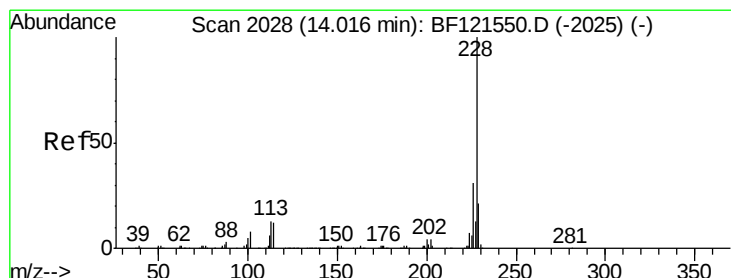
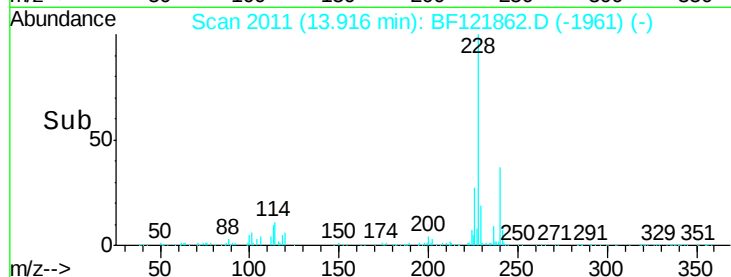
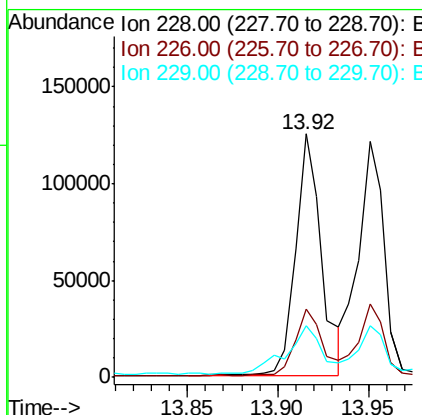
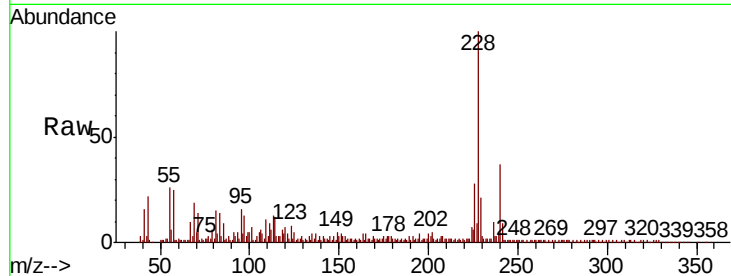
#81
Benzo(a)anthracene
Concen: 7.179 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Instrument :
BNA_F
ClientSampleId :
26516

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.3	33.5
229	21.0	16.2	24.4

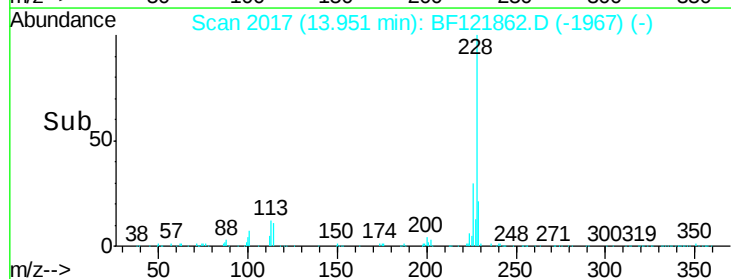
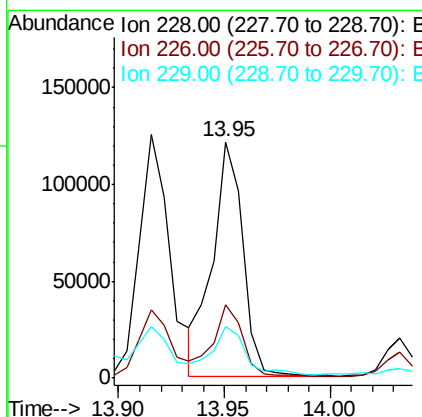
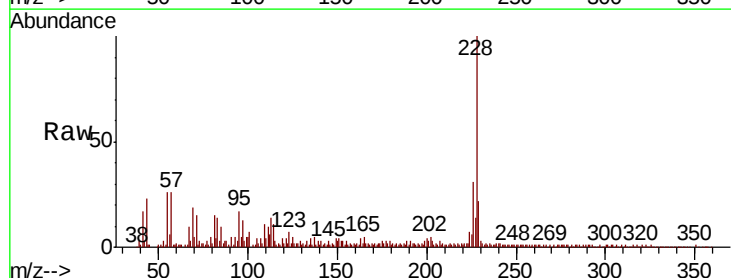
Manual Integrations
APPROVED

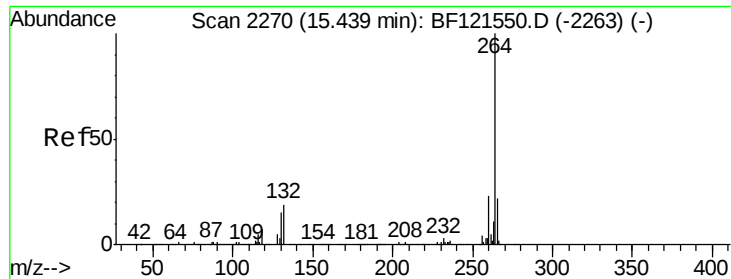
mohammad
10/7/2020 10:41:14 AM



#83
Chrysene
Concen: 6.804 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.6	37.0
229	22.1	15.9	23.9





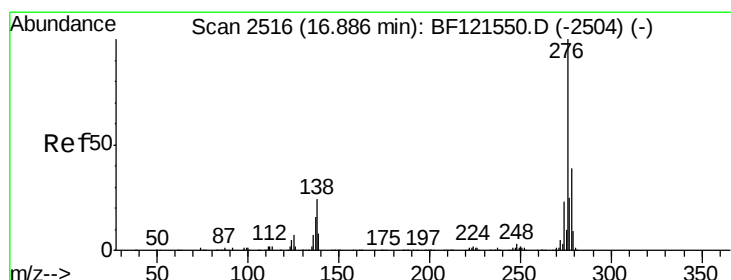
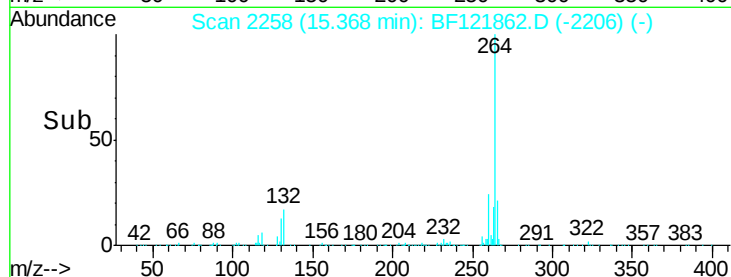
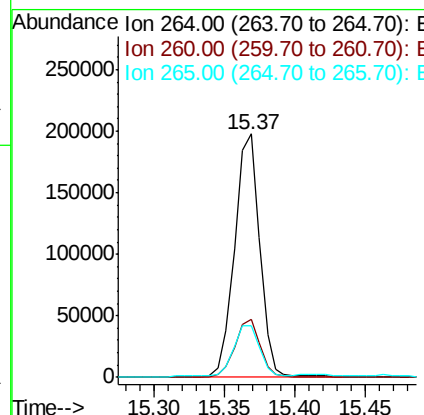
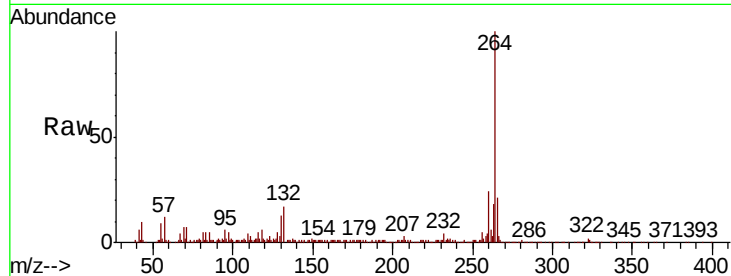
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Instrument :
BNA_F
ClientSampleId :
26516

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.4	17.3	25.9

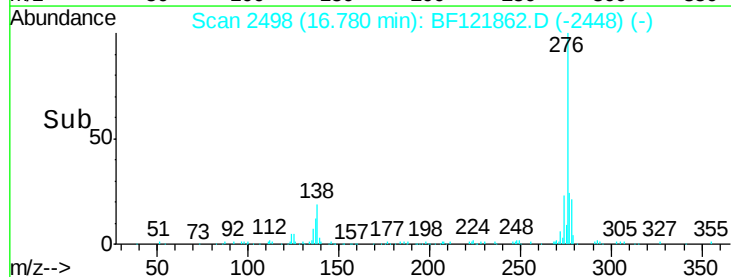
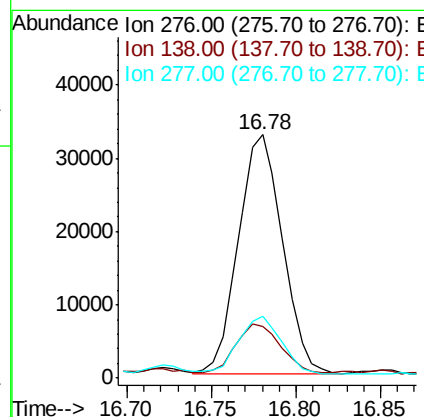
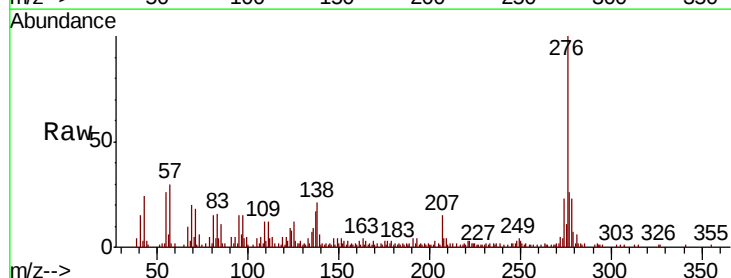
Manual Integrations
APPROVED

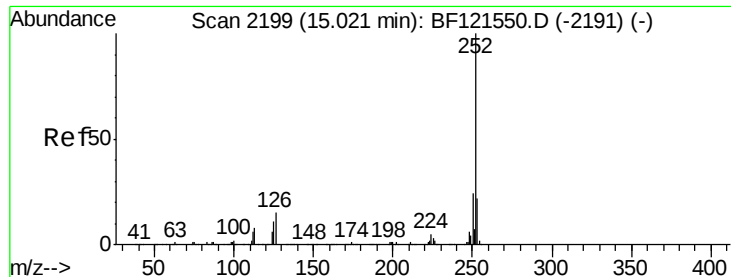
mohammad
10/7/2020 10:41:14 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.711 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.9	29.9
277	24.0	20.4	30.6





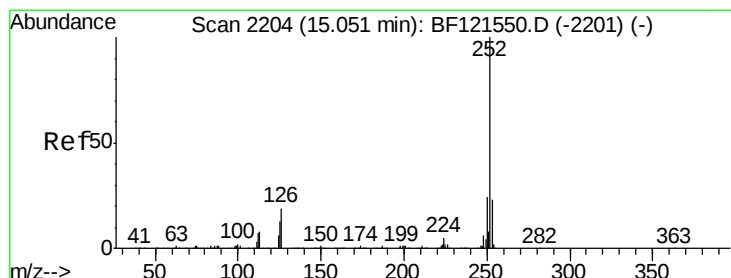
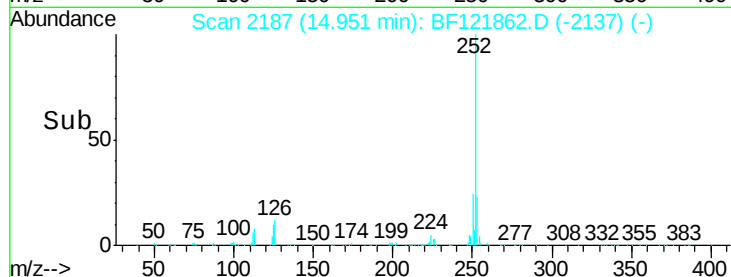
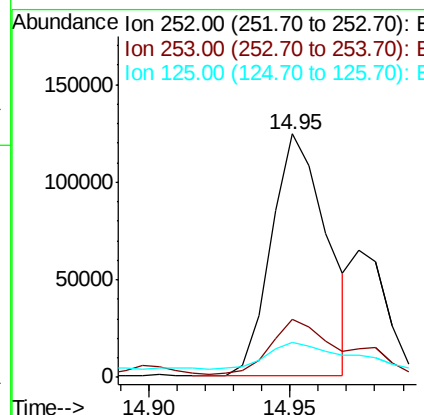
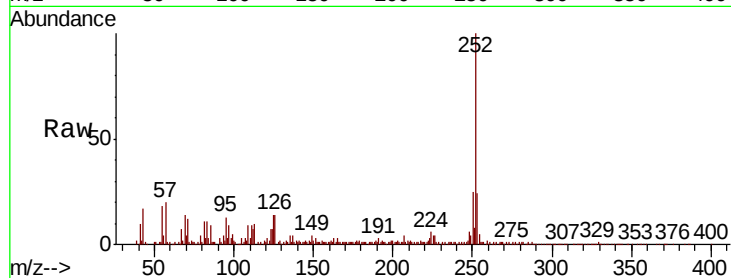
#88
Benzo(b)fluoranthene
Concen: 10.336 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Instrument :
BNA_F
ClientSampleId :
26516

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	14.3	8.0	12.0

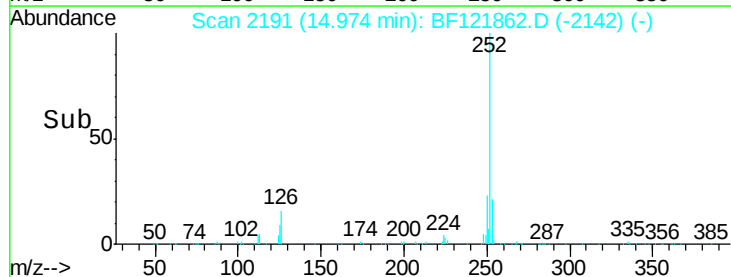
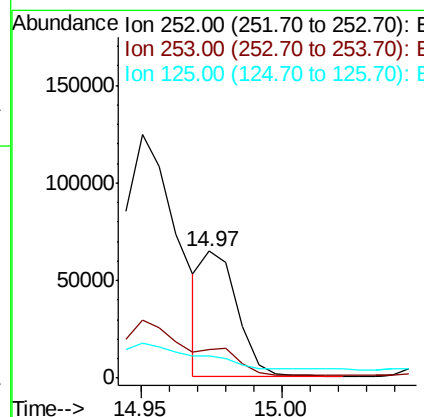
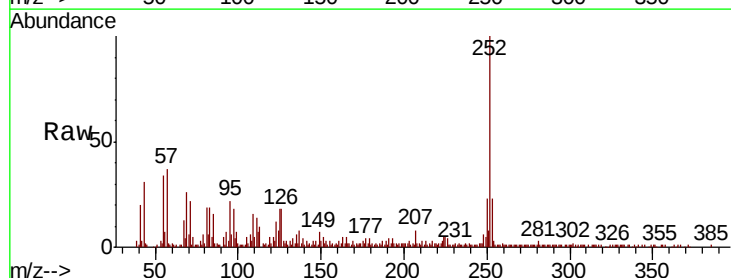
Manual Integrations
APPROVED

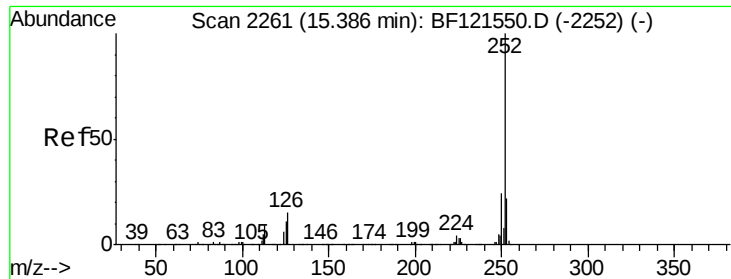
mohammad
10/7/2020 10:41:14 AM



#89
Benzo(k)fluoranthene
Concen: 3.691 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	17.5	7.7	11.5





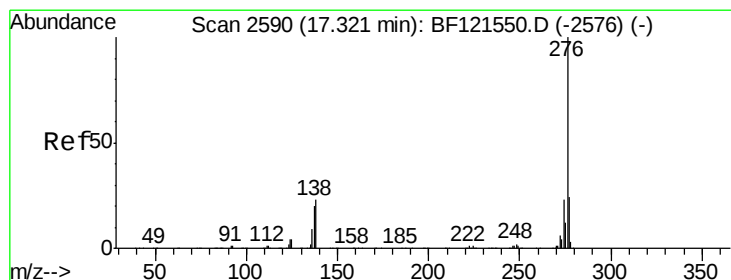
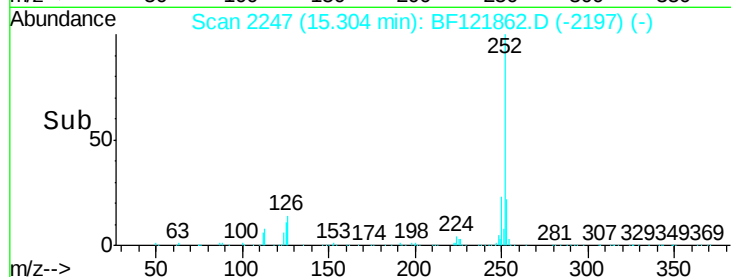
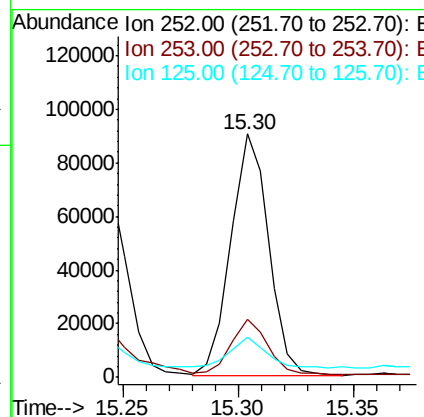
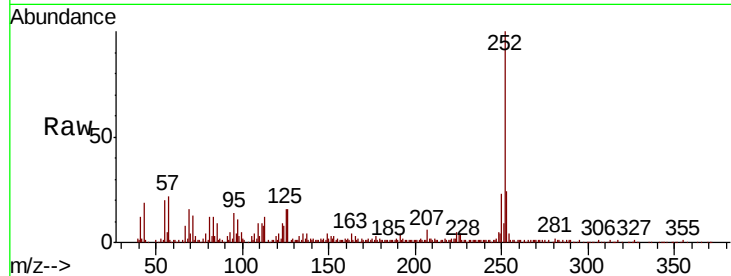
#90
Benzo(a)pyrene
Concen: 7.462 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Instrument :
BNA_F
ClientSampleId :
26516

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	16.4	8.6	13.0

Manual Integrations
APPROVED

mohammad
10/7/2020 10:41:14 AM



#92
Benzo(g,h,i)perylene
Concen: 4.522 ng
RT: 17.21 min Scan# 2571
Delta R.T. 0.00 min
Lab File: BF121862.D
Acq: 6 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.4	29.2
138	21.9	17.8	26.6

