

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF082820\
 Data File : BF121469.D
 Acq On : 28 Aug 2020 20:03
 Operator : JU/CG
 Sample : L3837-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP13-0612-01

Manual Integrations
 APPROVED

mohammad
 8/31/2020 10:27:37 AM

Quant Time: Sep 04 16:00:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	320095	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1230753	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	633797	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1182505	20.00	ng	0.00
76) Chrysene-d12	14.02	240	804611	20.00	ng	0.00
86) Perylene-d12	15.49	264	740767	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1331669	69.80	ng	0.00
7) Phenol-d6	6.48	99	1744059	65.41	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1105521	61.41	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	498754	77.91	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2005543	51.06	ng	0.00
79) Terphenyl-d14	12.97	244	1965872	51.43	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	162352	2.657	ng	97
50) Dimethylphthalate	9.61	163	211842	4.866	ng	99
71) Phenanthrene	11.40	178	936912	15.439	ng	98
72) Anthracene	11.46	178	209740	3.514	ng	96
73) Carbazole	11.61	167	159821	2.777	ng	97
75) Fluoranthene	12.59	202	972851	14.875	ng	98
78) Pyrene	12.82	202	740879	12.893	ng	96
81) Benzo(a)anthracene	14.01	228	351985	7.166	ng	99
83) Chrysene	14.04	228	299641m	6.098	ng	
88) Benzo(b)fluoranthene	15.06	252	306576m	6.362	ng	
89) Benzo(k)fluoranthene	15.08	252	100002m	2.231	ng	
90) Benzo(a)pyrene	15.42	252	209407	4.833	ng	99
92) Benzo(a,h,i)perylene	17.38	276	107538	2.992	ng	98

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

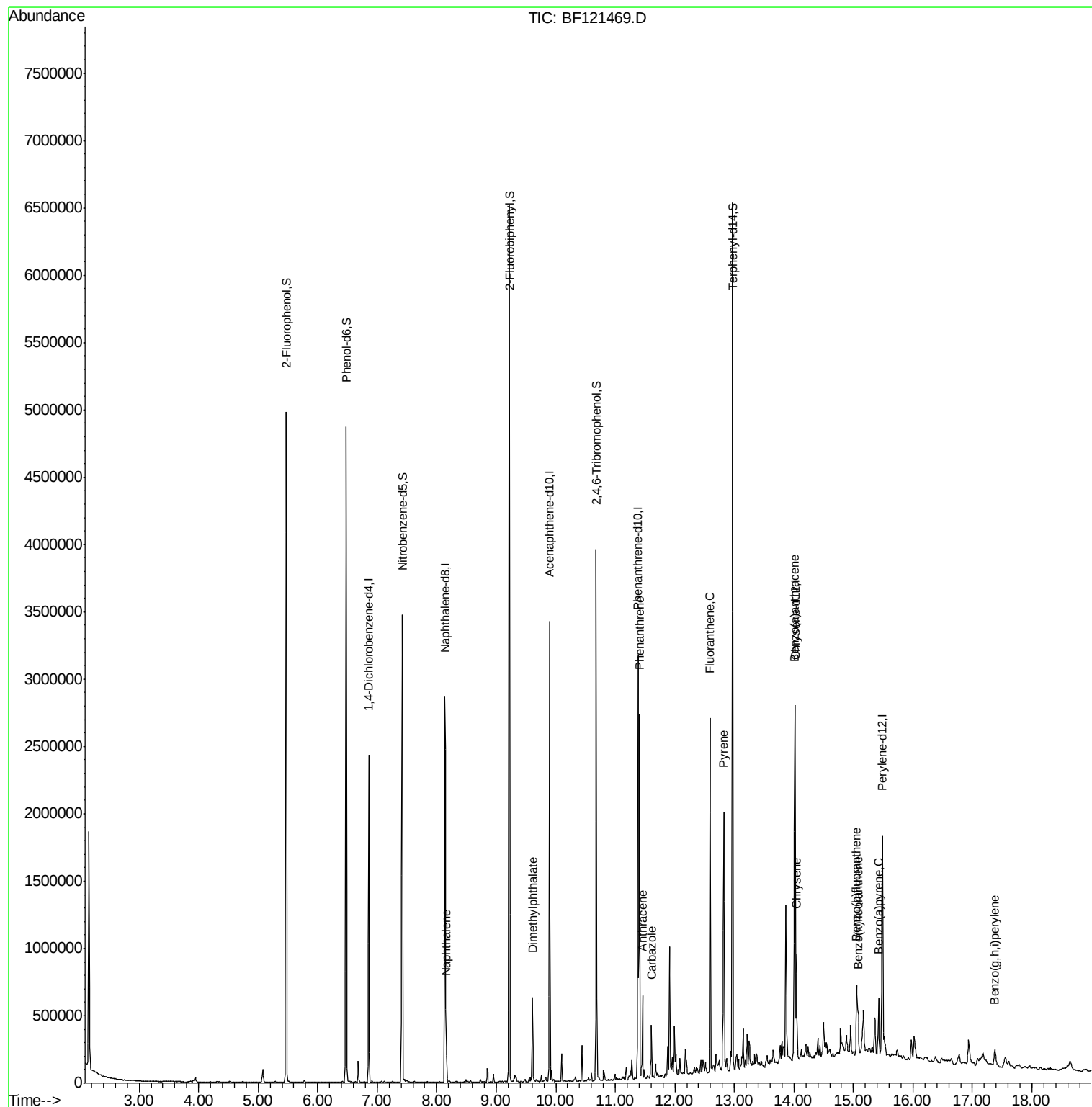
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF082820\
Data File : BF121469.D
Acq On : 28 Aug 2020 20:03
Operator : JU/CG
Sample : L3837-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

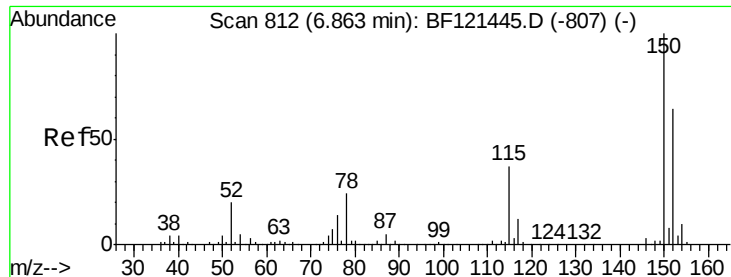
Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Manual Integrations
APPROVED

mohammad
8/31/2020 10:27:37 AM

Quant Time: Sep 04 16:00:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 28 09:25:49 2020
Response via : Initial Calibration





#1

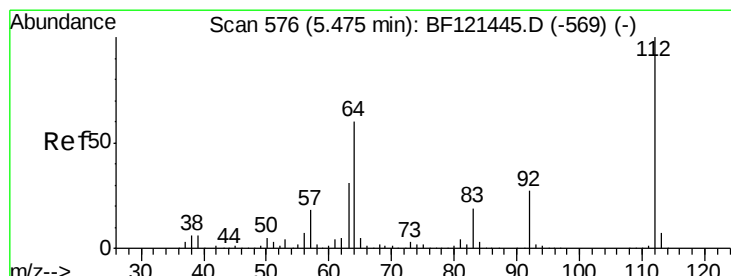
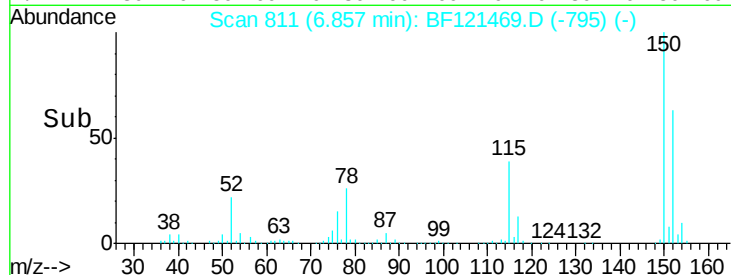
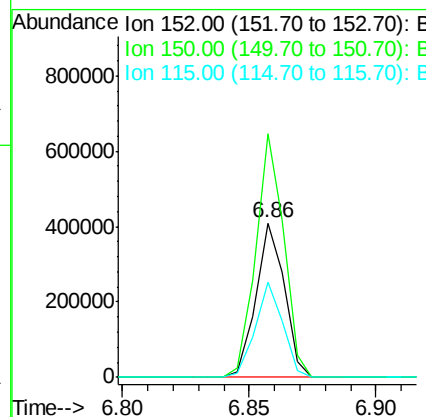
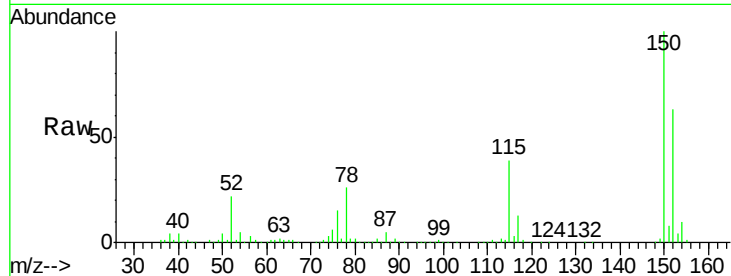
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.8	188.6
115	61.4	46.6	69.8

Manual Integrations
APPROVED

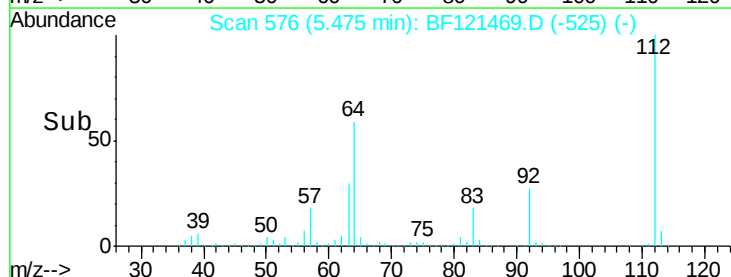
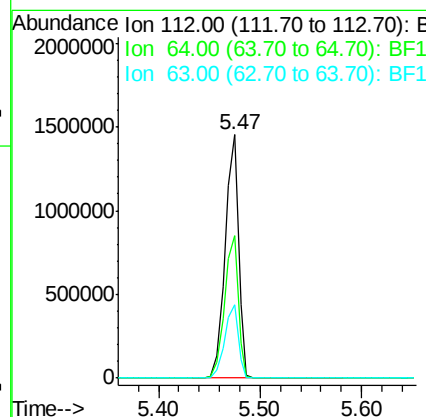
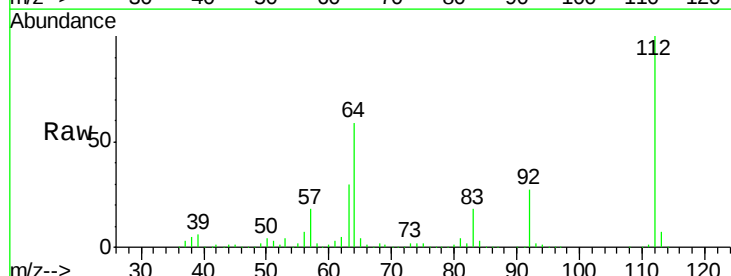
mohammad
8/31/2020 10:27:37 AM



#5

2-Fluorophenol
Concen: 69.798 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	48.2	72.2
63	29.9	24.8	37.2





#7

Phenol-d6

Concen: 65.413 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121469.D

Acq: 28 Aug 2020 20:03

Instrument :

BNA_F

ClientSampleId :

789UMR-TP13-0612-01

Tot Ion: 99 Resp: 1744059

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

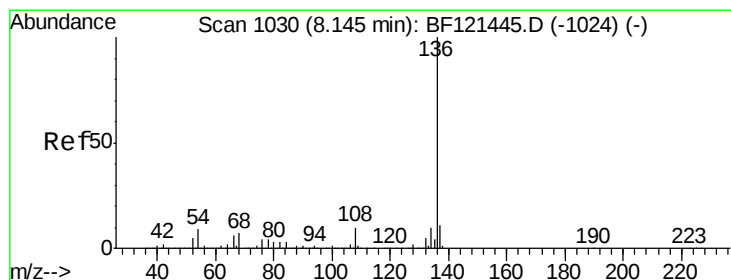
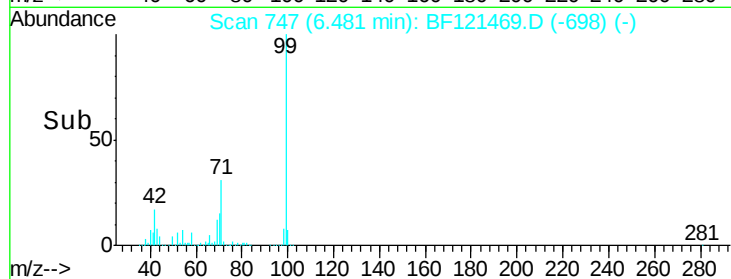
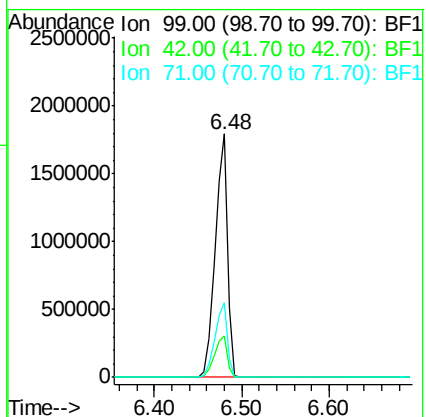
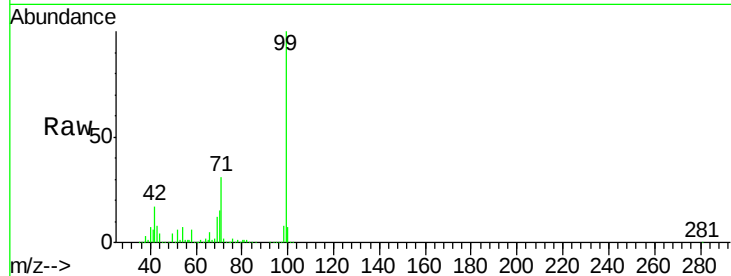
71 30.8 24.6 37.0

Manual Integrations

APPROVED

mohammad

8/31/2020 10:27:37 AM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121469.D

Acq: 28 Aug 2020 20:03

Tgt Ion: 136 Resp: 1230753

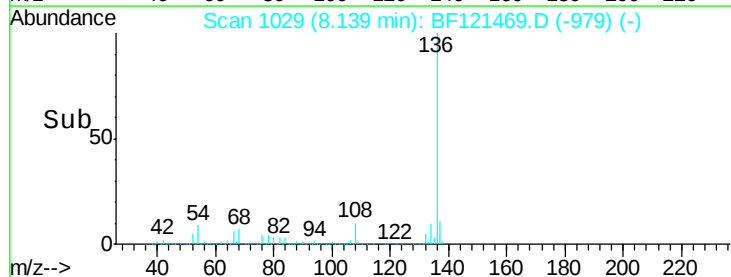
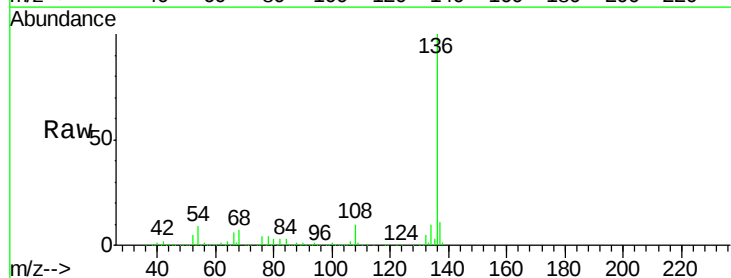
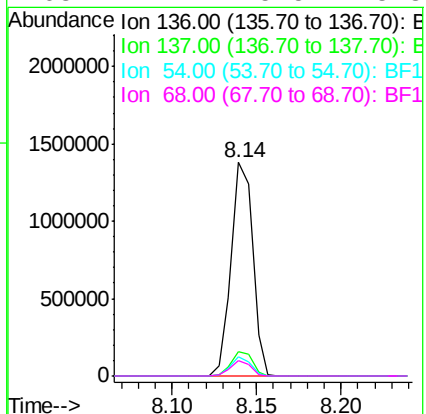
Ion Ratio Lower Upper

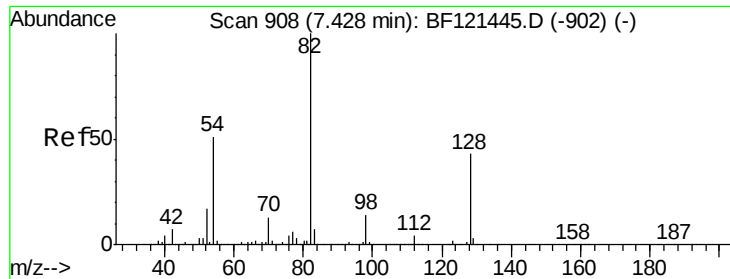
136 100

137 11.5 9.1 13.7

54 9.1 7.0 10.4

68 7.1 5.5 8.3





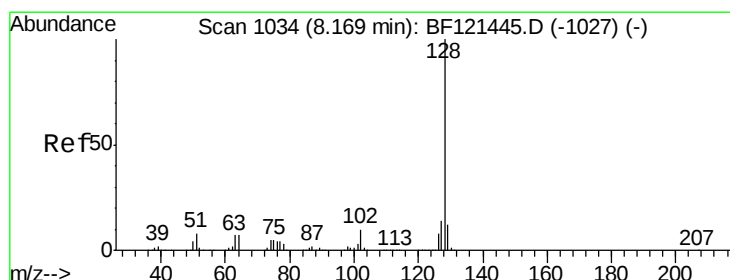
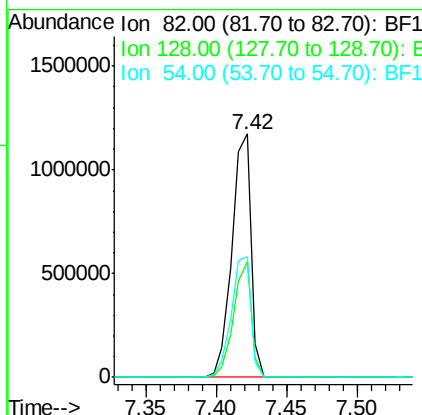
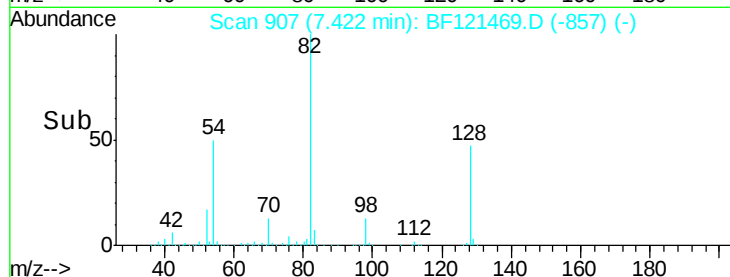
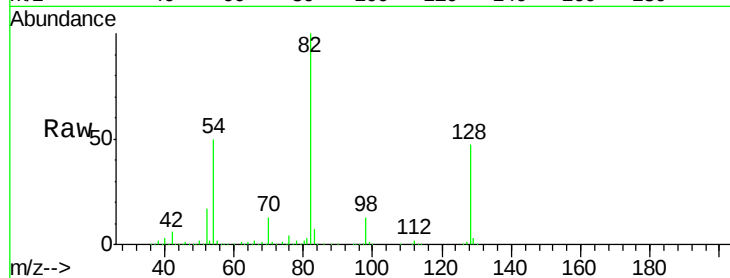
#23
Nitrobenzene-d5
Concen: 61.409 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tot Ion	82	Resp	1105521
Ion Ratio	100	Lower	Upper
82	100		
128	47.3	34.1	51.1
54	49.8	41.0	61.6

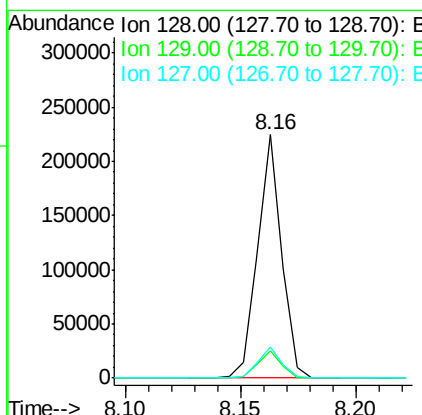
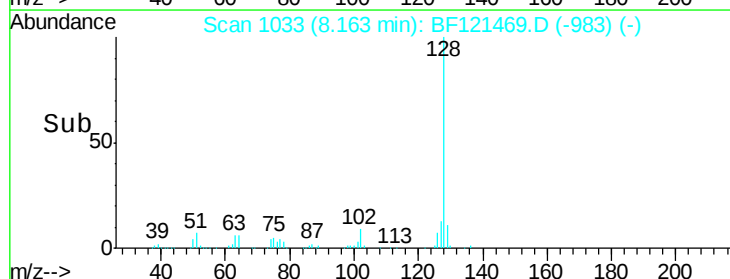
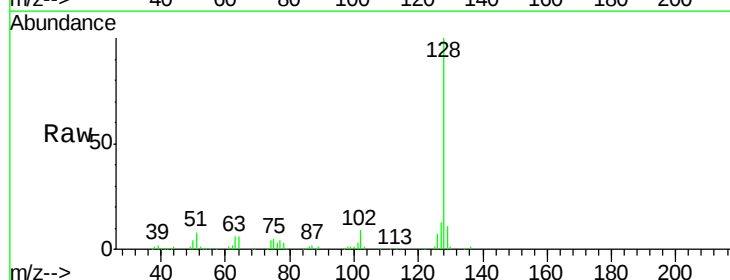
Manual Integrations
APPROVED

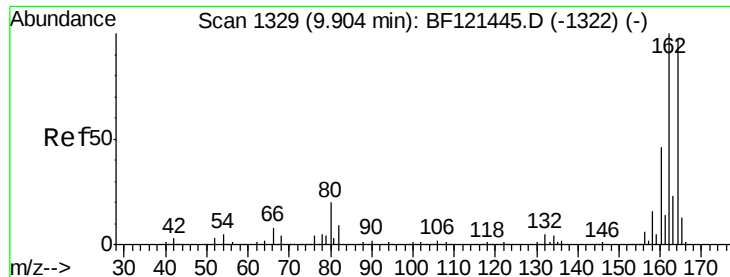
mohammad
8/31/2020 10:27:37 AM



#31
Naphthalene
Concen: 2.657 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion	128	Resp	162352
Ion Ratio	100	Lower	Upper
128	100		
129	11.1	9.6	14.4
127	12.8	11.4	17.2





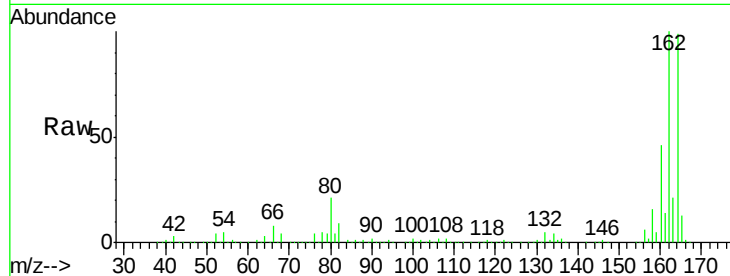
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

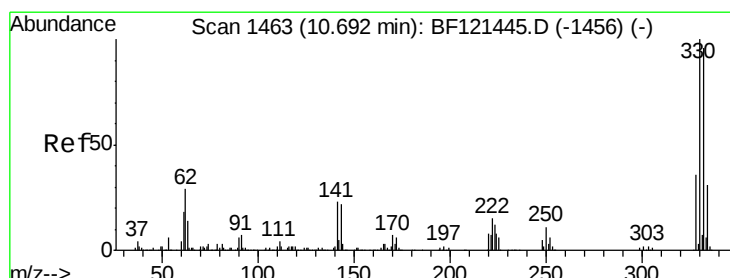
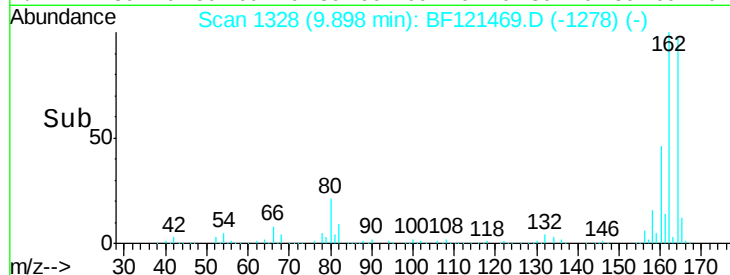
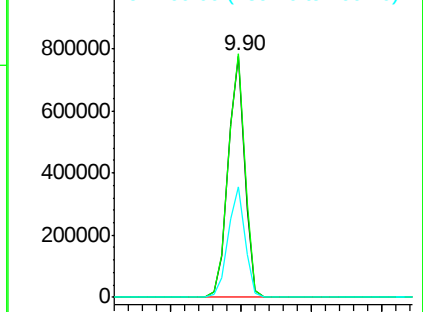
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.4	123.6
160	46.0	37.6	56.4

Manual Integrations
APPROVED

mohammad
8/31/2020 10:27:37 AM

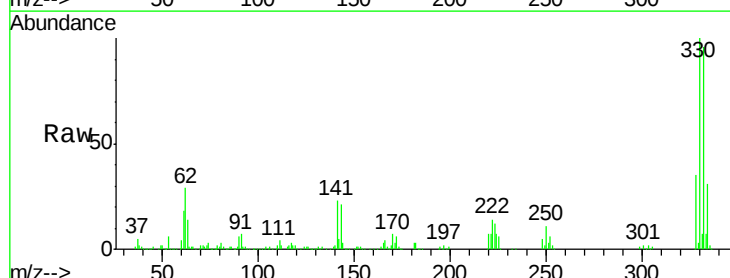


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

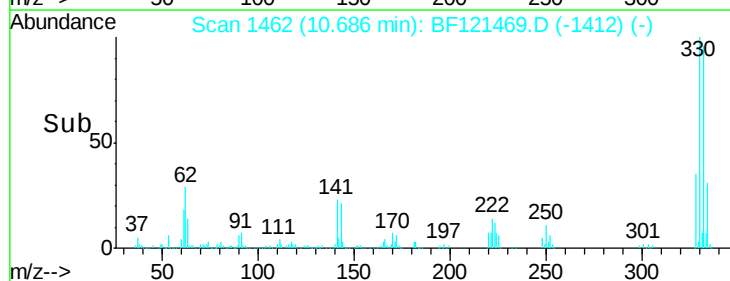
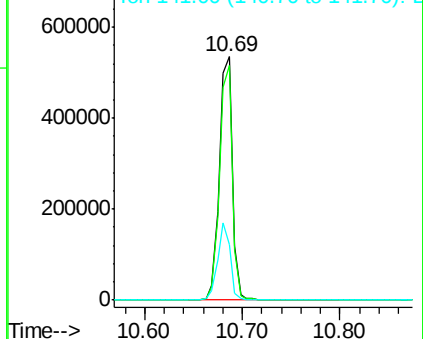


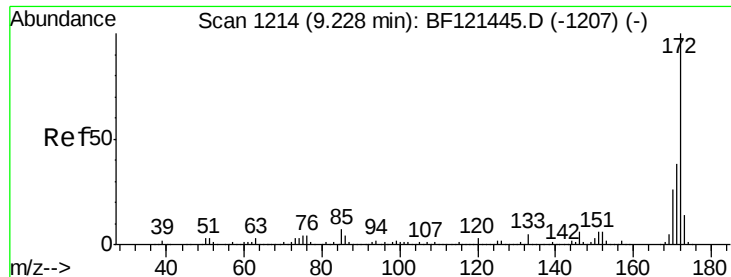
#42
2,4,6-Tribromophenol
Concen: 77.910 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.2	114.2
141	30.6	24.6	36.8



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





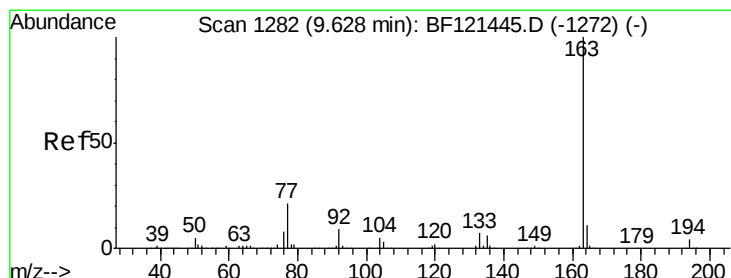
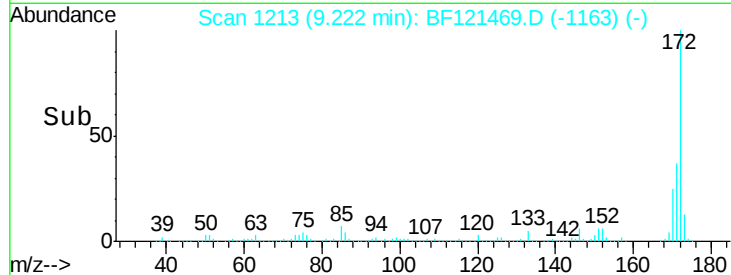
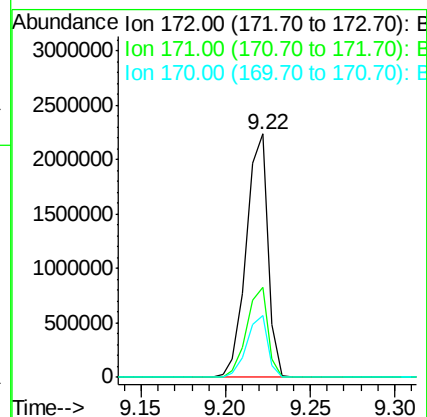
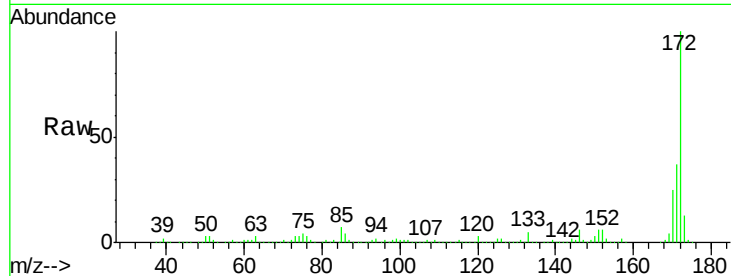
#45
2-Fluorobiphenyl
Concen: 51.057 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.6	45.8
170	25.2	20.6	31.0

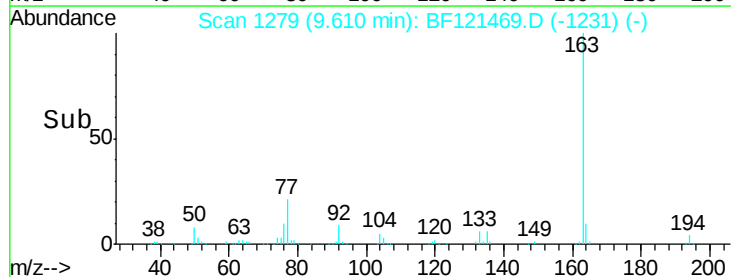
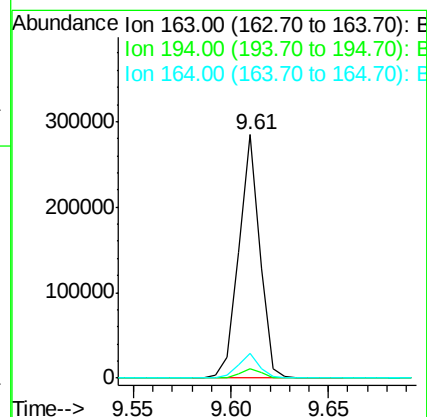
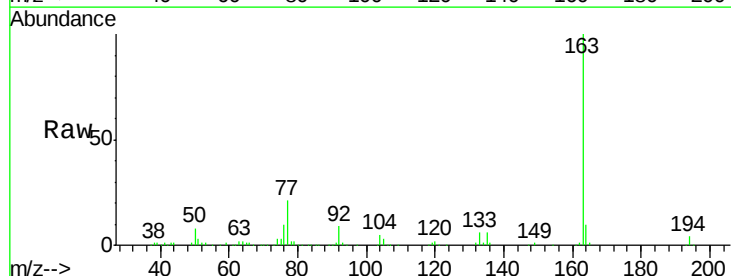
Manual Integrations
APPROVED

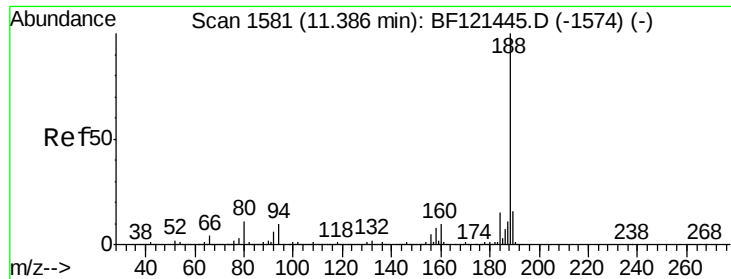
mohammad
8/31/2020 10:27:37 AM



#50
Dimethylphthalate
Concen: 4.866 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.6	12.8





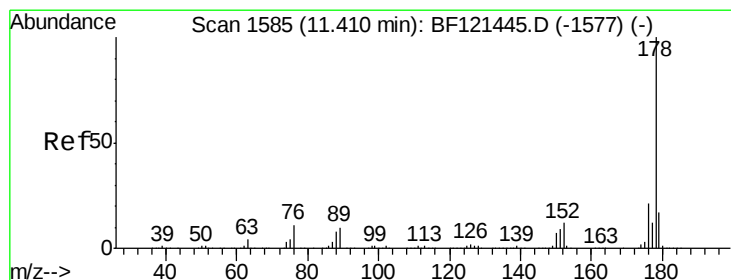
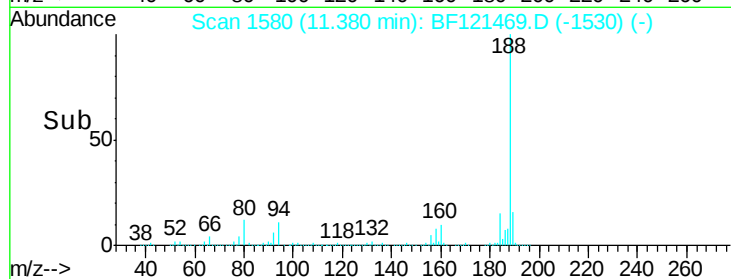
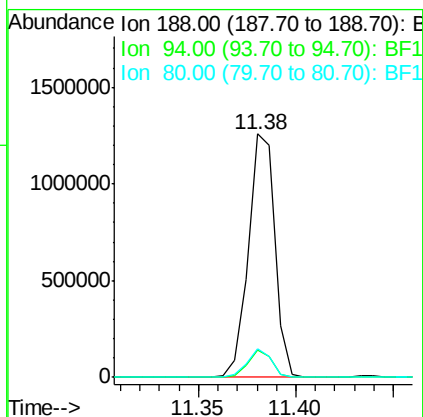
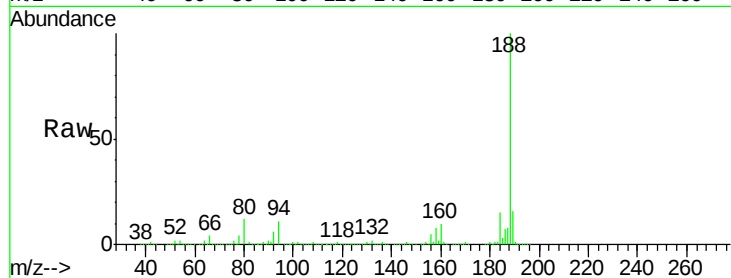
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.3	12.5
80	12.0	8.6	13.0

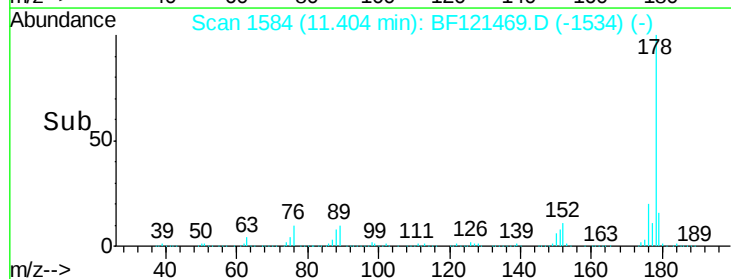
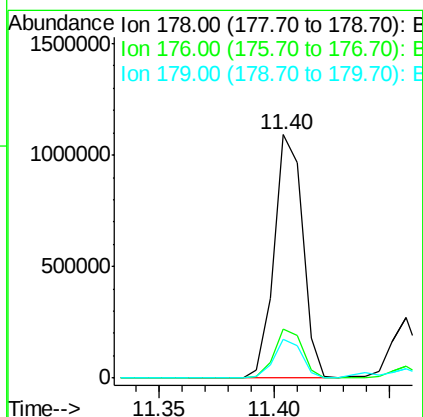
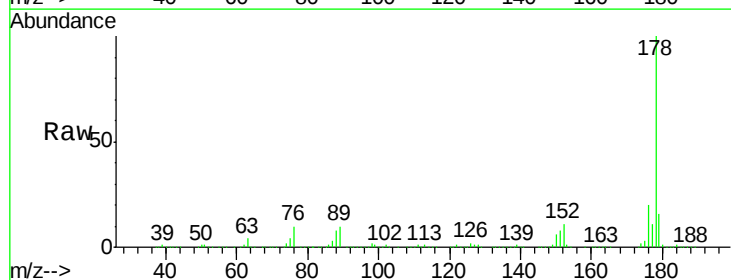
Manual Integrations
APPROVED

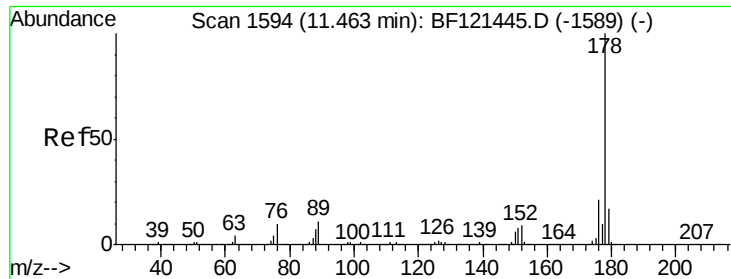
mohammad
8/31/2020 10:27:37 AM



#71
Phenanthrene
Concen: 15.439 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.9	25.3
179	16.2	13.4	20.0





#72

Anthracene

Concen: 3.514 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF121469.D

Acq: 28 Aug 2020 20:03

Instrument :

BNA_F

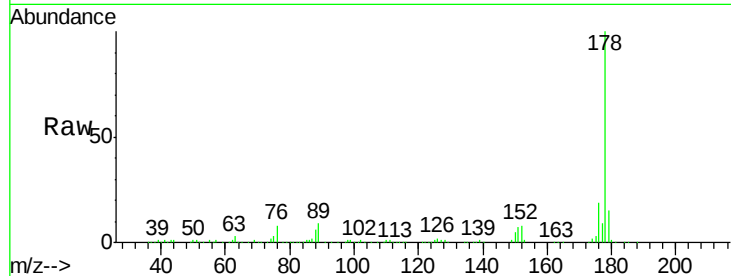
ClientSampleId :

789UMR-TP13-0612-01

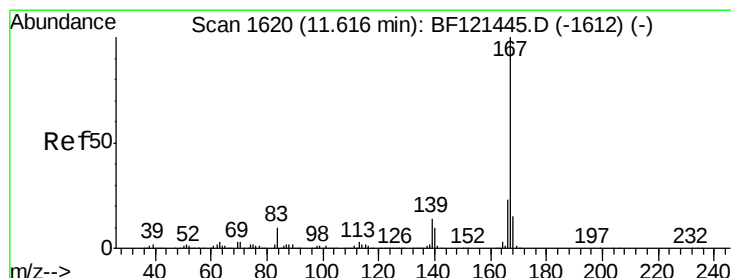
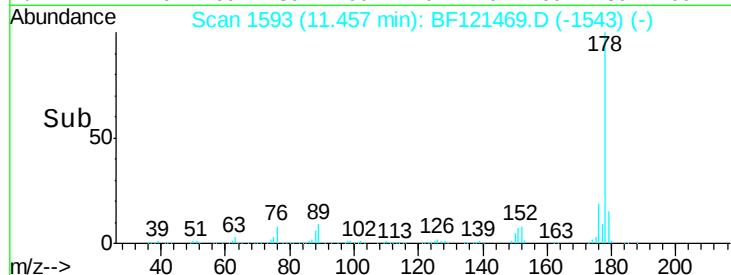
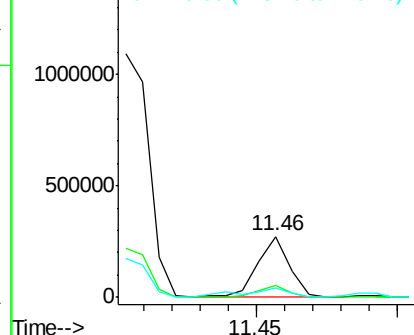
Tot Ion:	178	Resp:	209740
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.7	25.1
179	15.1	13.4	20.2

Manual Integrations
APPROVED

mohammad
8/31/2020 10:27:37 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



#73

Carbazole

Concen: 2.777 ng

RT: 11.61 min Scan# 1619

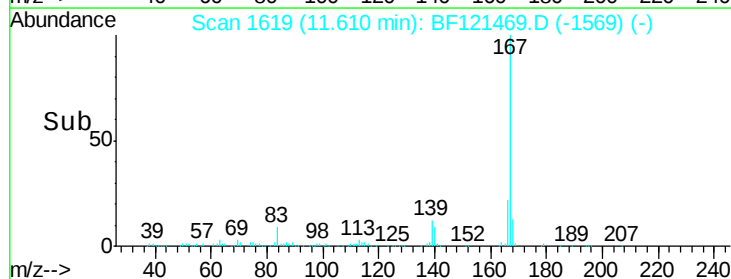
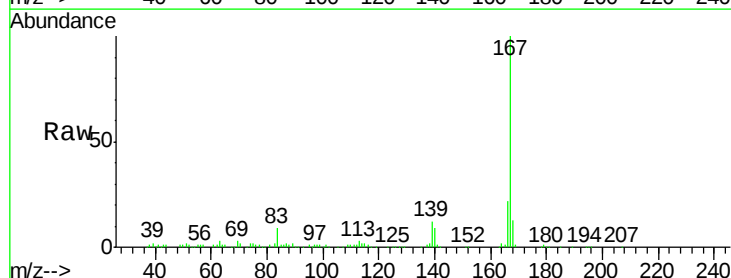
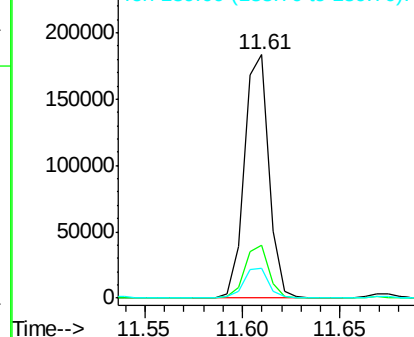
Delta R.T. -0.01 min

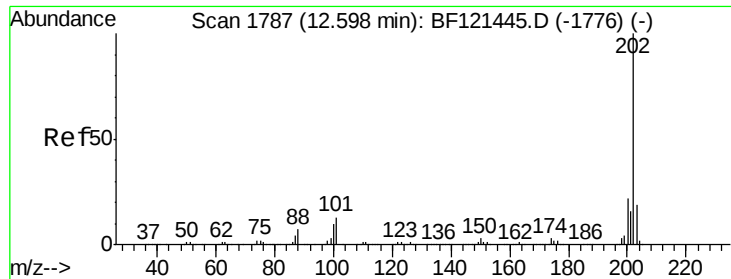
Lab File: BF121469.D

Acq: 28 Aug 2020 20:03

Tgt Ion:	167	Resp:	159821
Ion Ratio	Lower	Upper	
167	100		
166	21.6	18.4	27.6
139	12.3	11.0	16.6

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 14.875 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF121469.D

Acq: 28 Aug 2020 20:03

Instrument :

BNA_F

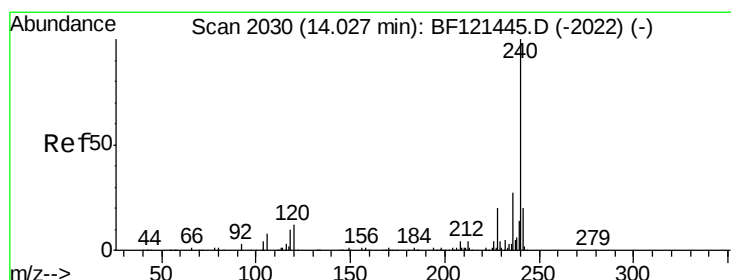
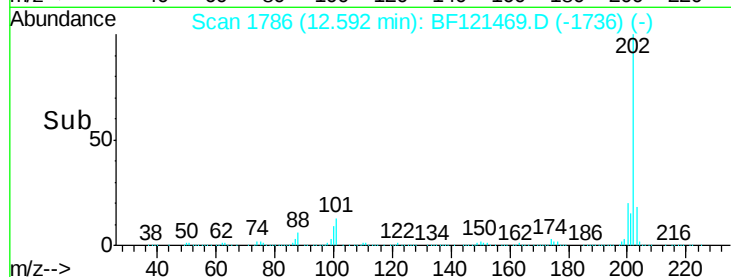
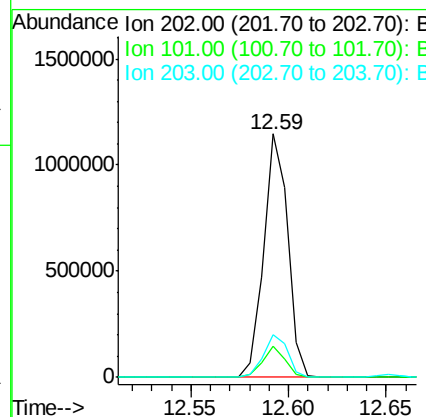
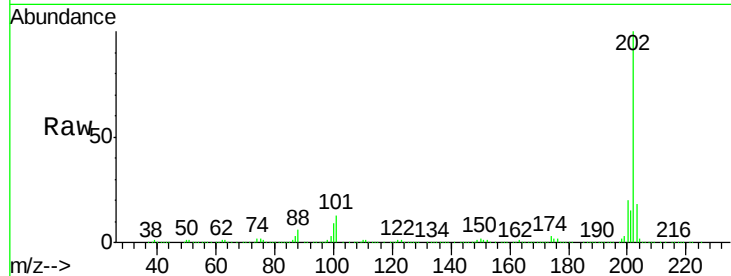
ClientSampleId :

789UMR-TP13-0612-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		972851		
101	12.7	0.0	33.3		
203	17.8	0.0	39.1		

Manual Integrations
APPROVED

mohammad
8/31/2020 10:27:37 AM



#76

Chrysene-d12

Concen: 20.000 ng

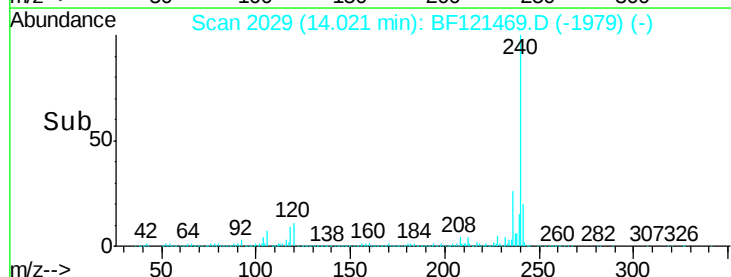
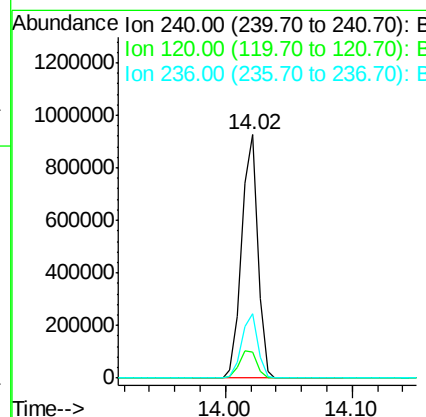
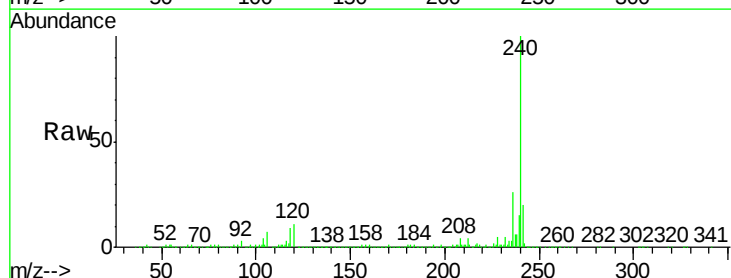
RT: 14.02 min Scan# 2029

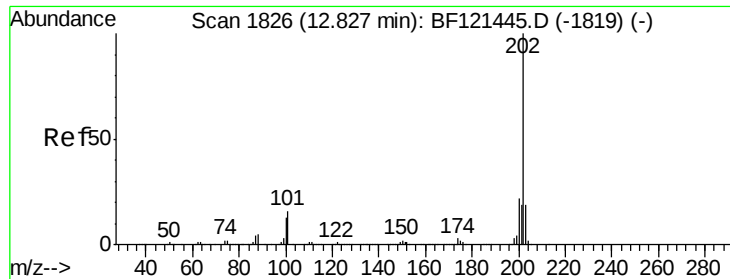
Delta R.T. -0.01 min

Lab File: BF121469.D

Acq: 28 Aug 2020 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		804611		
120	10.7	9.5	14.3		
236	26.3	21.8	32.6		





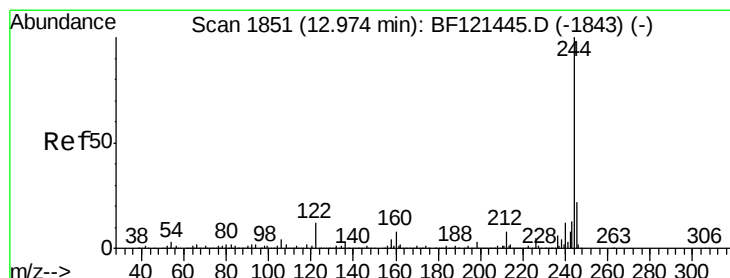
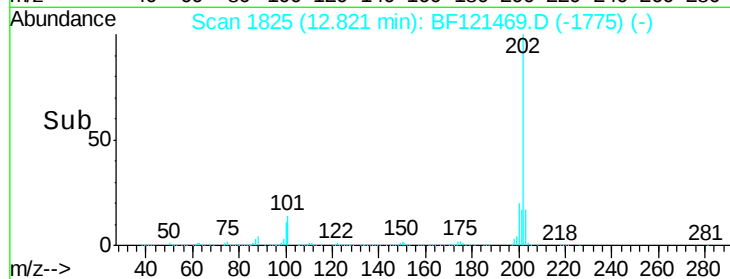
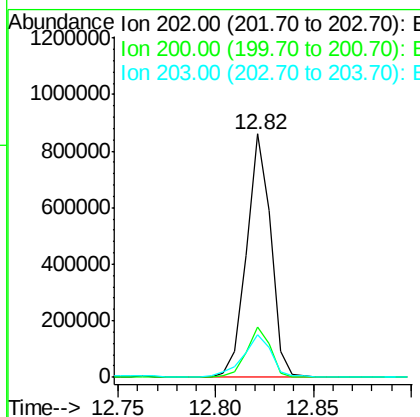
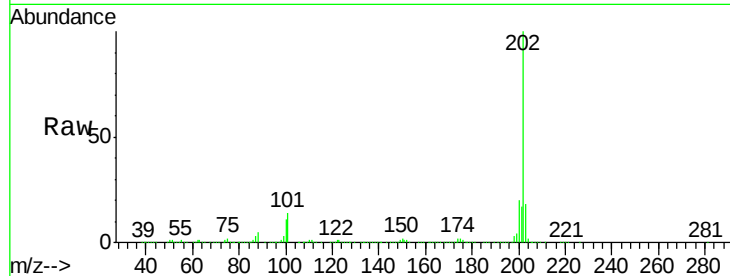
#78
Pvrene
Concen: 12.893 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	18.0	27.0	
203	17.7	15.3	22.9	

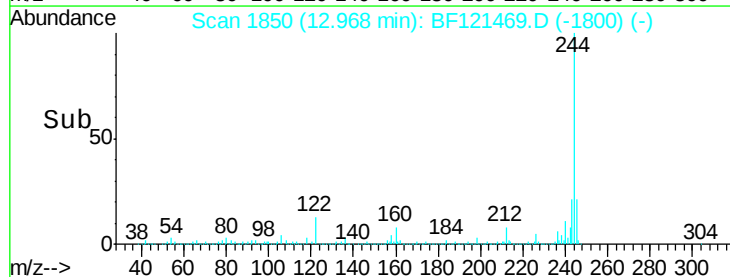
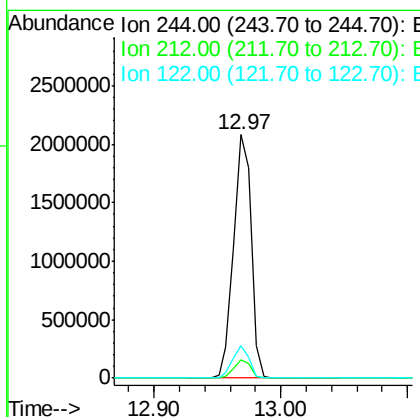
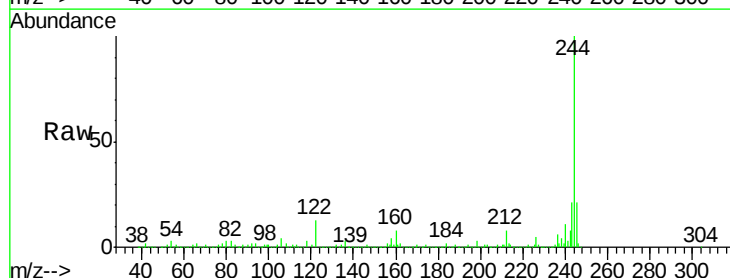
Manual Integrations
APPROVED

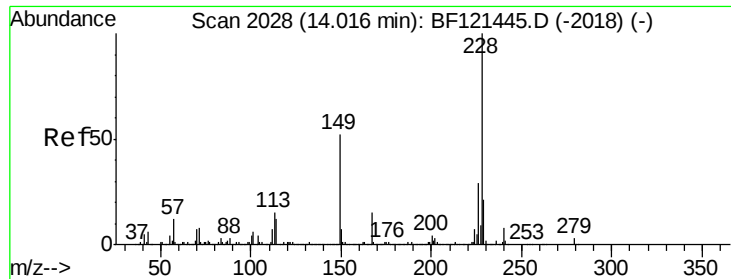
mohammad
8/31/2020 10:27:37 AM



#79
Terphenyl-d14
Concen: 51.429 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.6	6.3	9.5	
122	13.3	9.5	14.3	





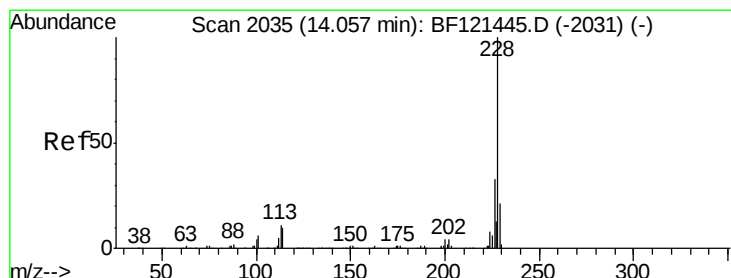
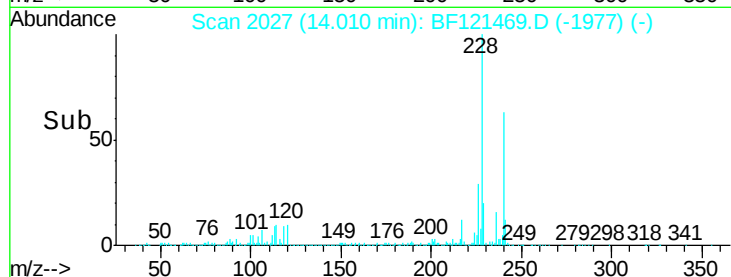
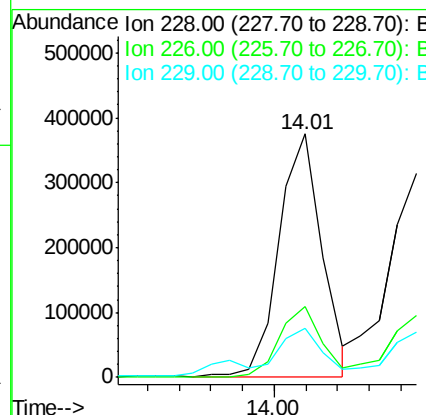
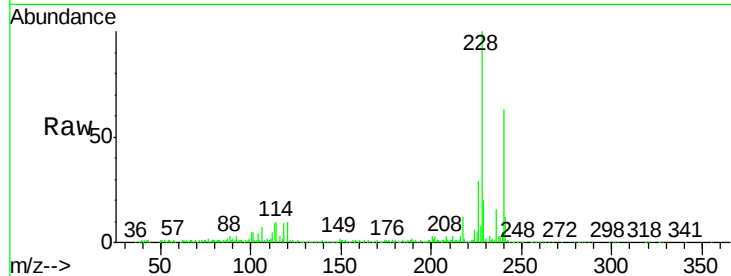
#81
Benzo(a)anthracene
Concen: 7.166 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.0	34.4
229	20.1	16.6	24.8

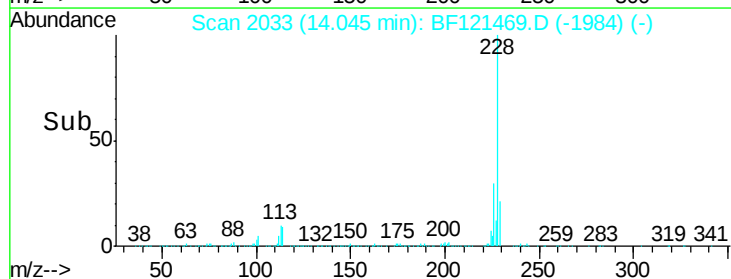
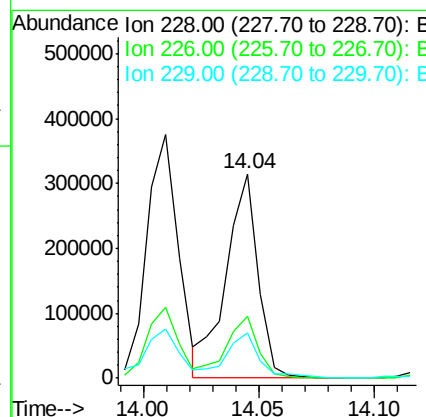
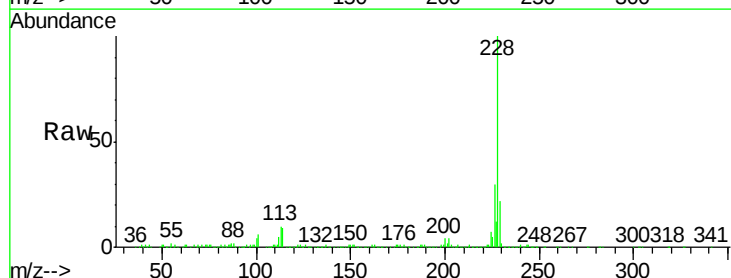
Manual Integrations
APPROVED

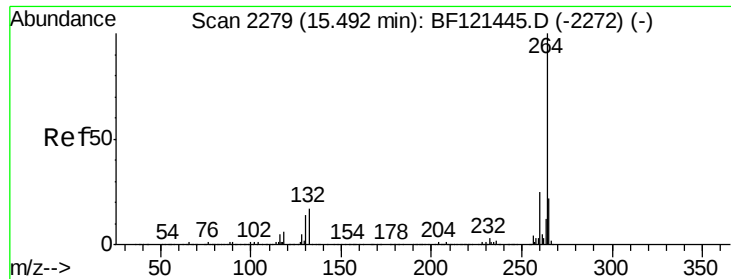
mohammad
8/31/2020 10:27:37 AM



#83
Chrysene
Concen: 6.098 ng m
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	26.2	39.2
229	22.1	16.6	25.0





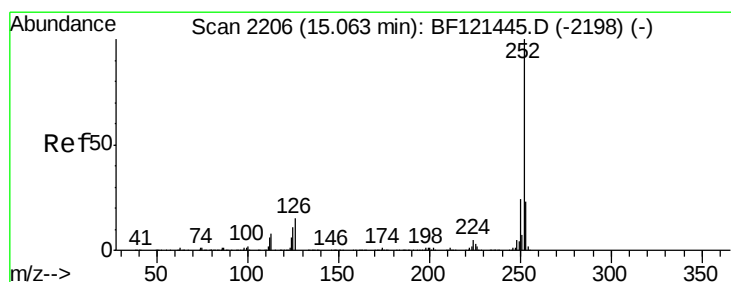
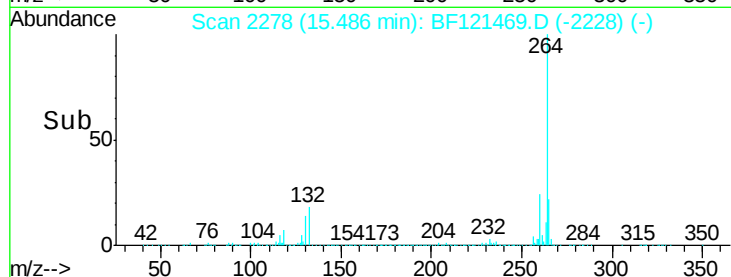
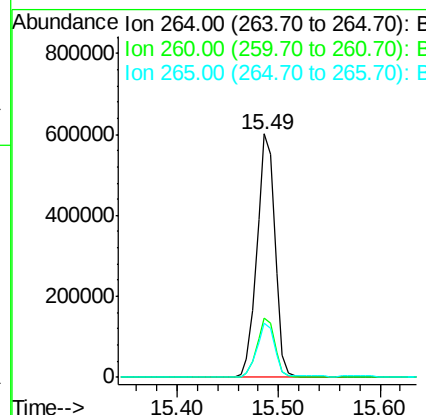
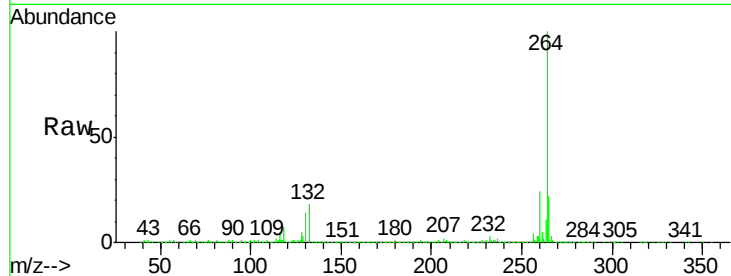
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.2	17.8	26.6

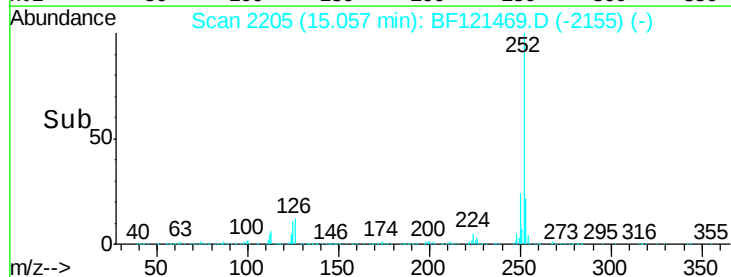
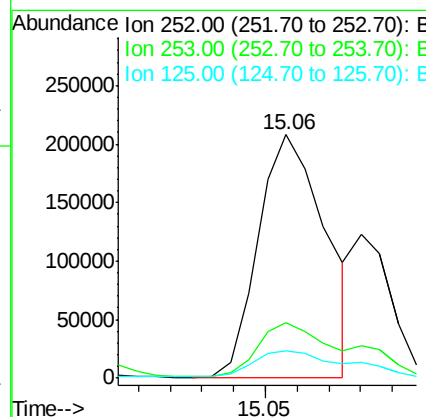
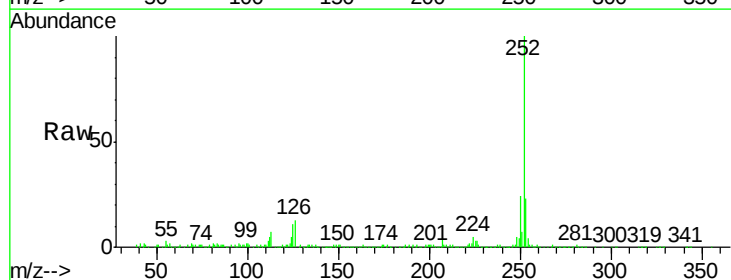
Manual Integrations
APPROVED

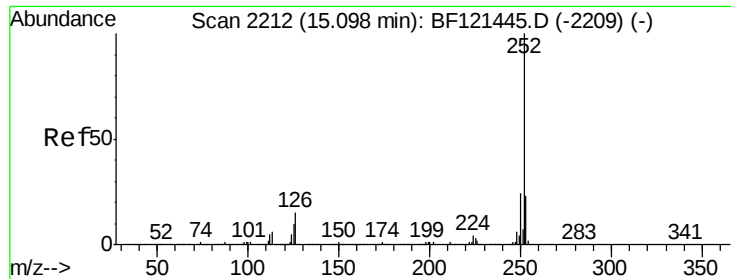
mohammad
8/31/2020 10:27:37 AM



#88
Benzo(b)fluoranthene
Concen: 6.362 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.3	27.5
125	11.3	9.2	13.8





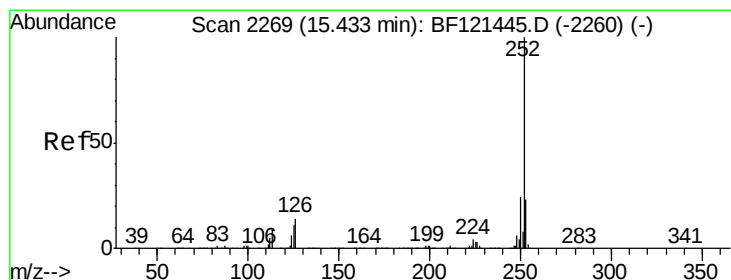
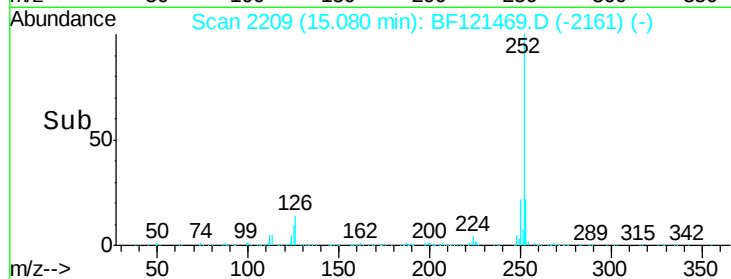
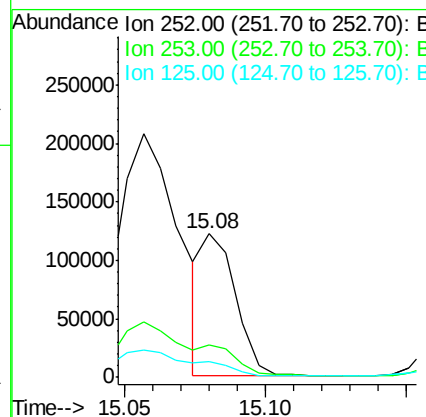
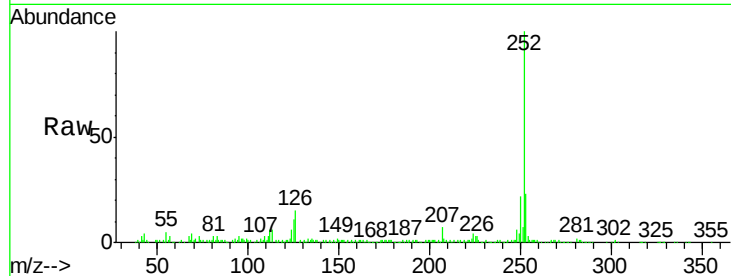
#89
Benzo(k)fluoranthene
Concen: 2.231 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.02 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.3	27.5
125	11.3	8.5	12.7

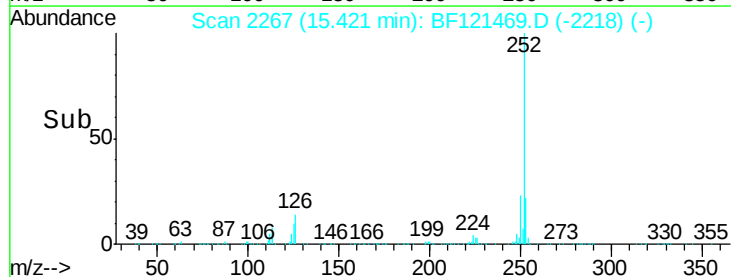
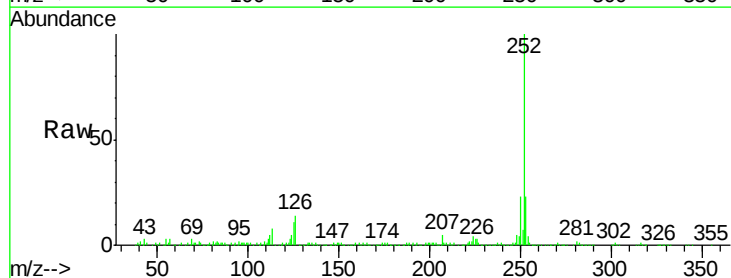
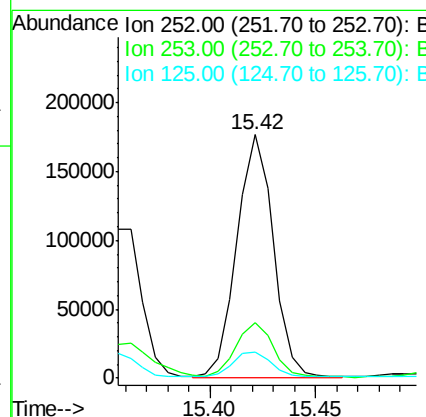
Manual Integrations
APPROVED

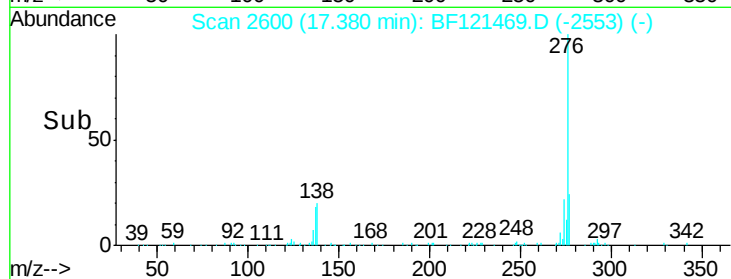
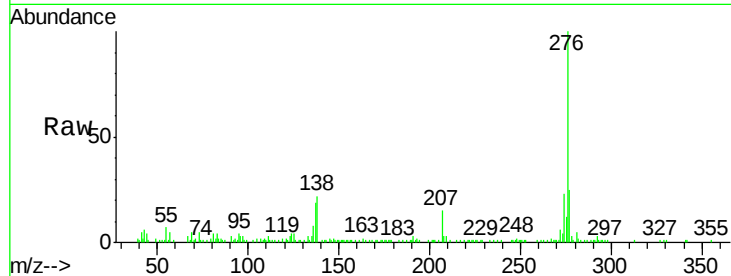
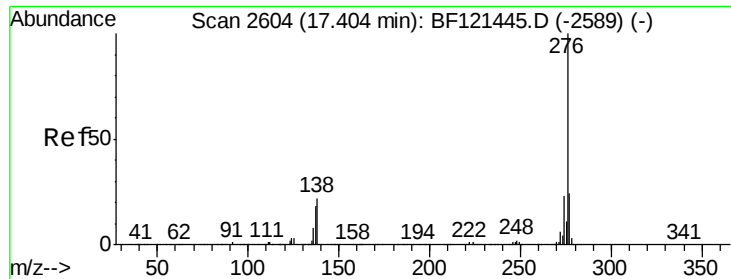
mohammad
8/31/2020 10:27:37 AM



#90
Benzo(a)pyrene
Concen: 4.833 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.9	9.0	13.4





#92
 Benzo(a,h,i)perylene
 Concen: 2.992 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. -0.02 min
 Lab File: BF121469.D
 Acq: 28 Aug 2020 20:03

Tot Ion:	276	Resp:	107538
Ion Ratio		Lower	Upper
276	100		
277	25.3	18.9	28.3
138	22.0	17.4	26.0

Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP13-0612-01

Manual Integrations
 APPROVED

mohammad
 8/31/2020 10:27:37 AM

