

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
 Data File : BF121736.D
 Acq On : 29 Sep 2020 17:50
 Operator : JU/CG
 Sample : L4173-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-(0-6FT)

Manual Integrations
 APPROVED

mohammad
 10/1/2020 1:29:54 PM

Quant Time: Sep 29 18:33:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 11:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	140467	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	523188	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	243997	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	413637	20.00	ng	0.00
76) Chrysene-d12	13.95	240	297302	20.00	ng	0.00
86) Perylene-d12	15.40	264	245000	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	667434	70.61	ng	0.00
7) Phenol-d6	6.42	99	847139	68.32	ng	0.00
23) Nitrobenzene-d5	7.35	82	613669	62.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.61	330	189326	62.43	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1039316	64.51	ng	0.00
79) Terphenyl-d14	12.89	244	907300	61.83	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.68	152	68324	2.889	ng	98
50) Dimethylphthalate	9.54	163	172931	9.779	ng	98
52) Acenaphthene	9.85	154	31292	2.095	ng	98
58) Fluorene	10.37	166	45395	2.822	ng	99
71) Phenanthrene	11.33	178	607232	26.944	ng	99
72) Anthracene	11.38	178	182654	7.854	ng	98
73) Carbazole	11.54	167	111208	5.299	ng	98
75) Fluoranthene	12.52	202	920171	38.249	ng	98
78) Pyrene	12.75	202	841126	38.723	ng	99
81) Benzo(a)anthracene	13.94	228	477907	25.409	ng	95
83) Chrysene	13.97	228	502841	26.401	ng	97
87) Indeno(1,2,3-cd)pyrene	16.82	276	247531	15.514	ng	94
88) Benzo(b)fluoranthene	14.98	252	627286m	38.299	ng	
89) Benzo(k)fluoranthene	15.00	252	157675m	10.513	ng	
90) Benzo(a)pyrene	15.33	252	363070	26.078	ng	97
91) Dibenzo(a,h)anthracene	16.82	278	69139	5.206	ng	# 89
92) Benzo(a,h,i)perylene	17.25	276	232885	17.838	ng	99

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

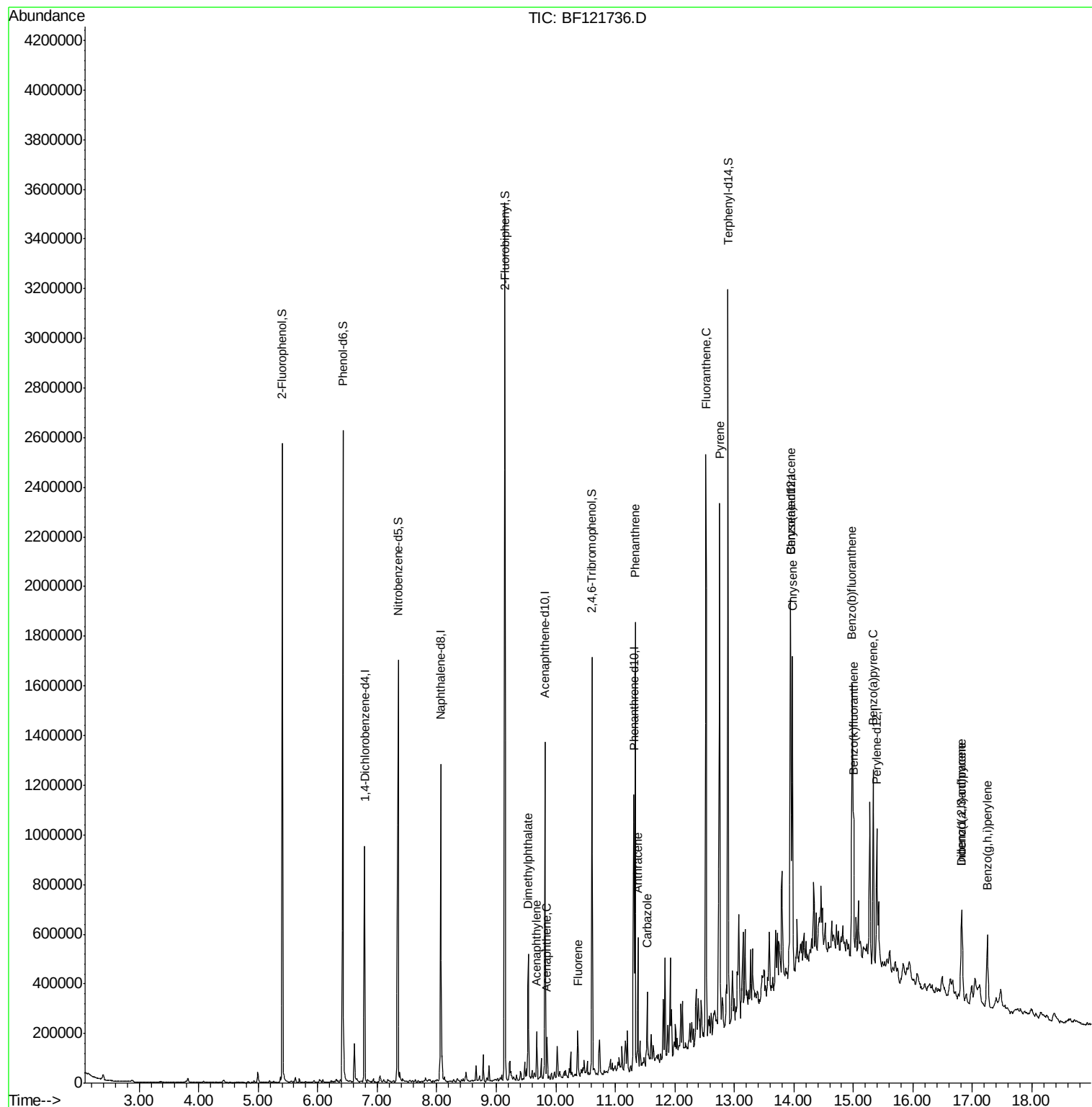
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

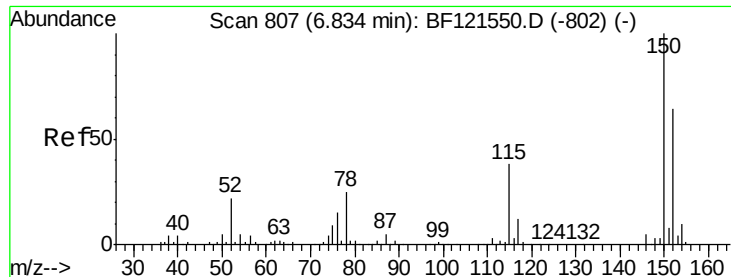
Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Manual Integrations
APPROVED

mohammad
10/1/2020 1:29:54 PM

Quant Time: Sep 29 18:33:46 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 11:12:14 2020
Response via : Initial Calibration





#1

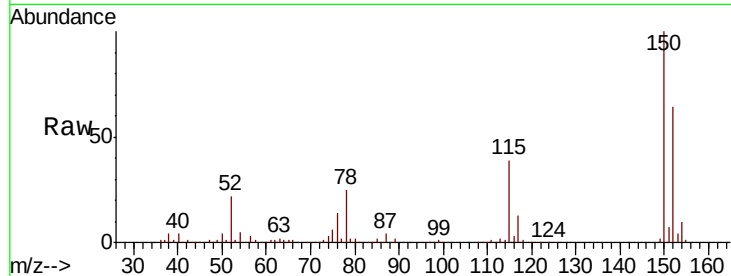
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.8	188.8
115	61.0	49.6	74.4

Manual Integrations
APPROVED

mohammad
10/1/2020 1:29:54 PM

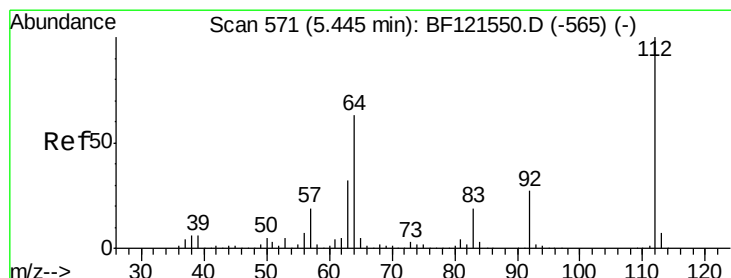
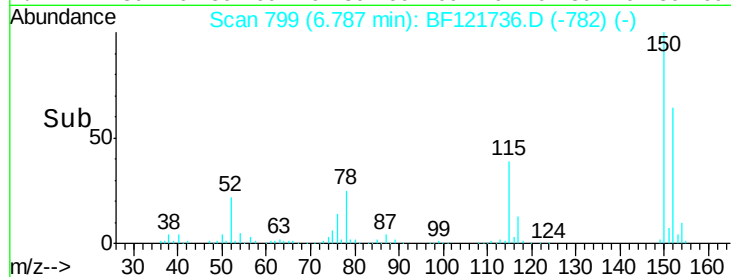
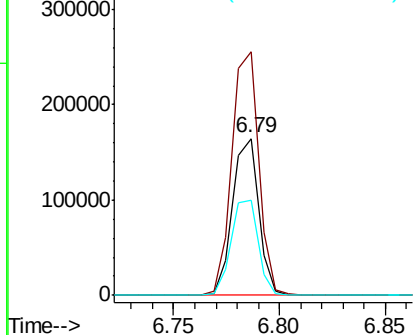


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

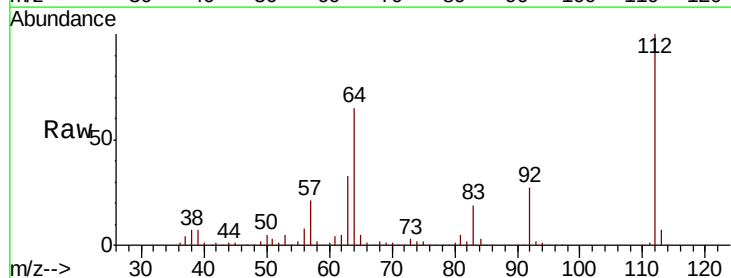
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 70.614 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	51.2	76.8
63	32.6	25.9	38.9

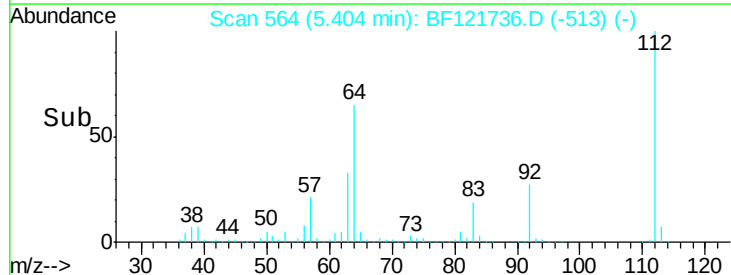
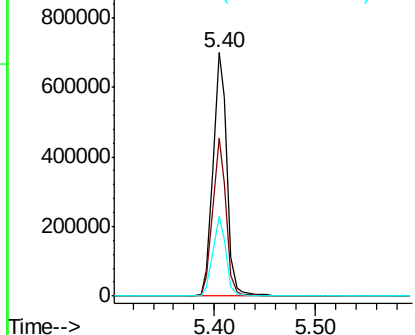


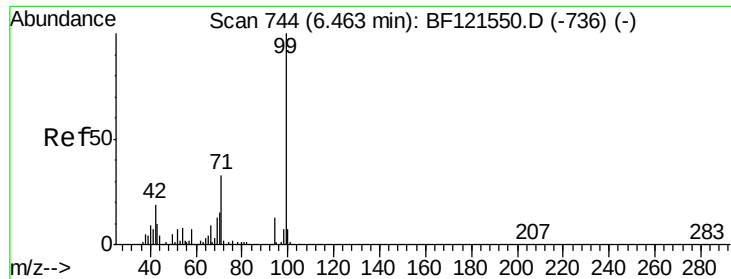
Abundance

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: 68.316 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF121736.D

Acq: 29 Sep 2020 17:50

Instrument :

BNA_F

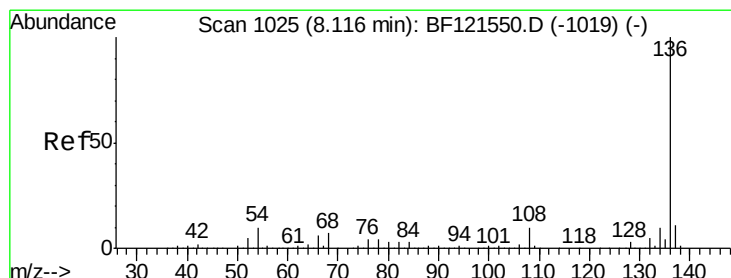
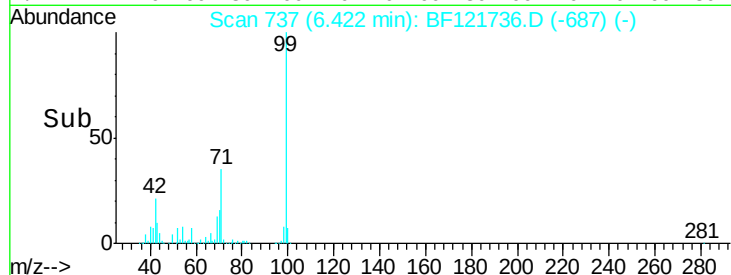
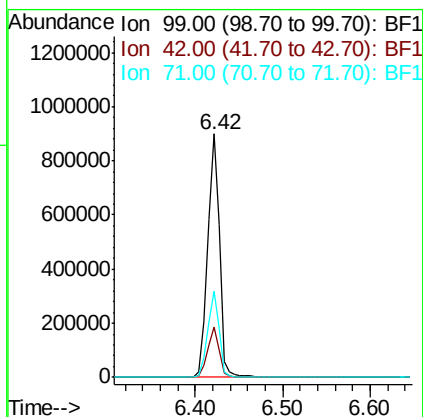
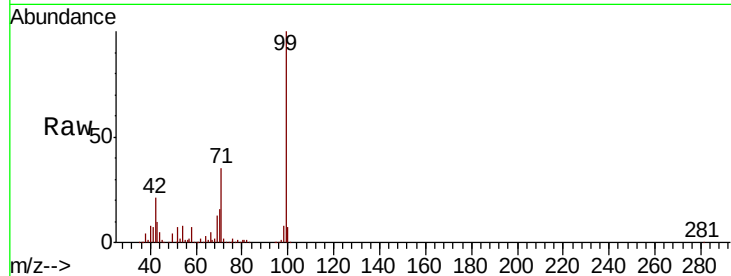
ClientSampleId :

TP-3-(0-6FT)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		847139		
42	20.7	16.5		24.7	
71	35.2	27.8		41.6	

Manual Integrations
APPROVED

mohammad
10/1/2020 1:29:54 PM



#21

Naphthalene-d8

Concen: 20.000 ng

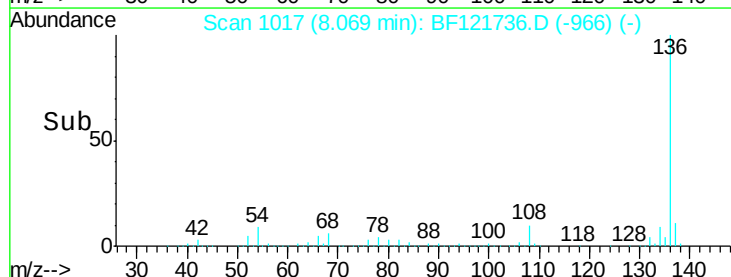
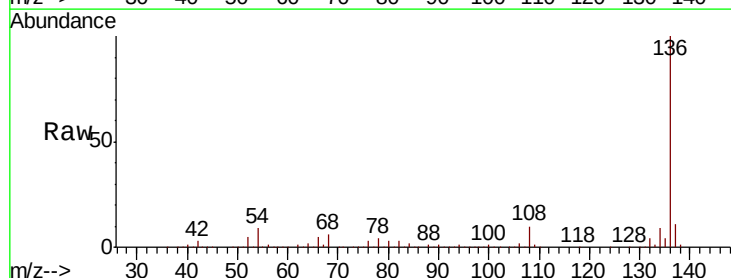
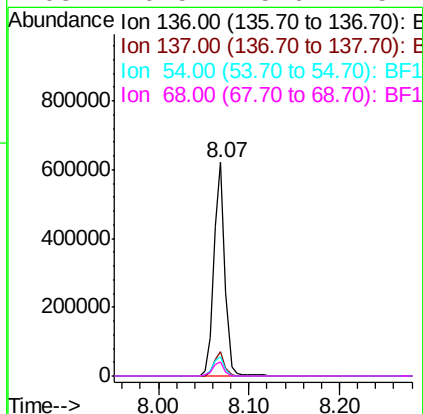
RT: 8.07 min Scan# 1017

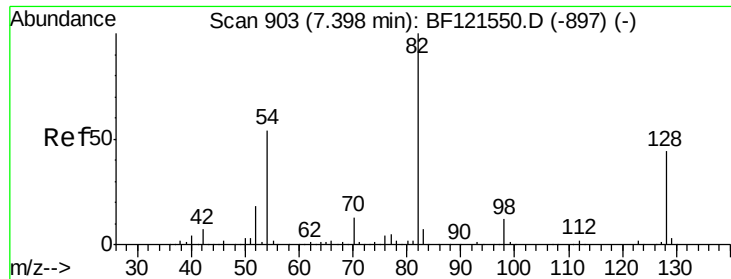
Delta R.T. 0.00 min

Lab File: BF121736.D

Acq: 29 Sep 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		523188		
137	11.1	9.1		13.7	
54	9.0	7.8		11.8	
68	6.5	5.6		8.4	





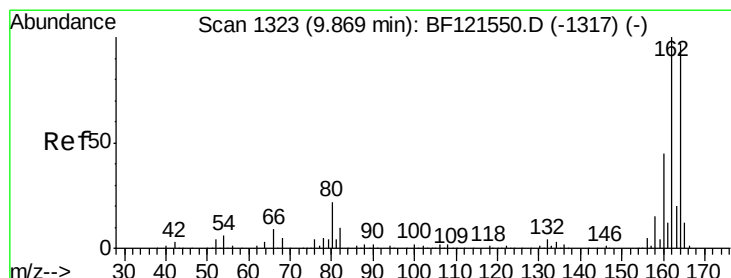
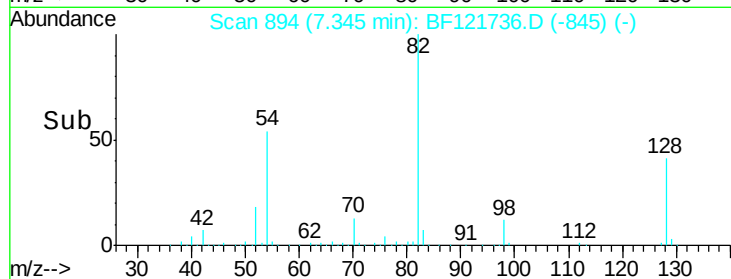
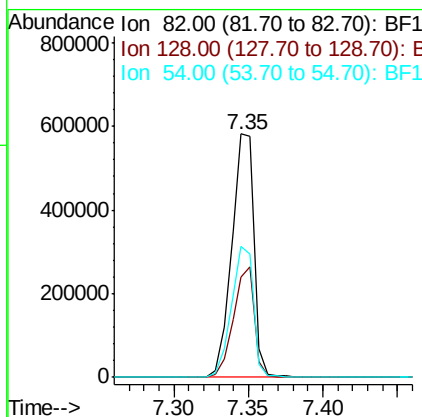
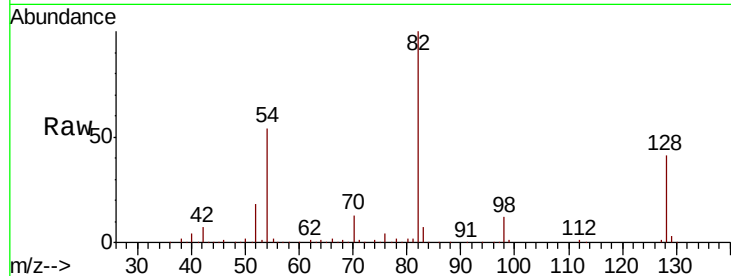
#23
Nitrobenzene-d5
Concen: 62.977 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Instrument :
BNA_F
ClientSampled :
TP-3-(0-6FT)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	613669		
128	41.4		35.0	52.4
54	53.8		42.5	63.7

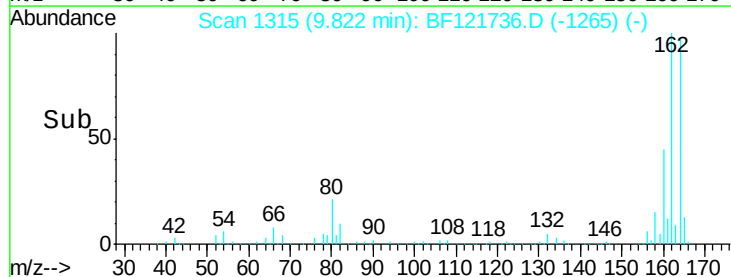
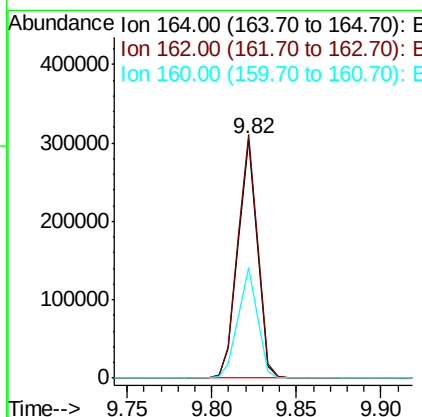
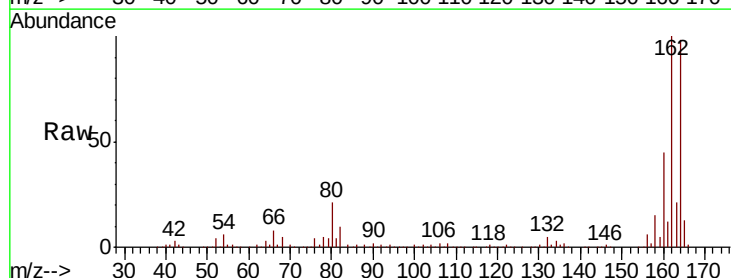
Manual Integrations
APPROVED

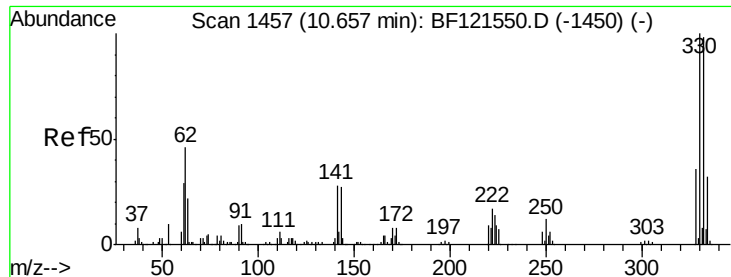
mohammad
10/1/2020 1:29:54 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	243997		
162	102.0		80.6	121.0
160	46.2		36.9	55.3





#42

2,4,6-Tribromophenol

Concen: 62.431 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.01 min

Lab File: BF121736.D

Acq: 29 Sep 2020 17:50

Instrument :

BNA_F

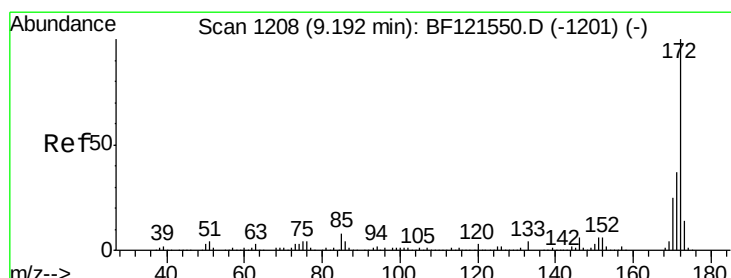
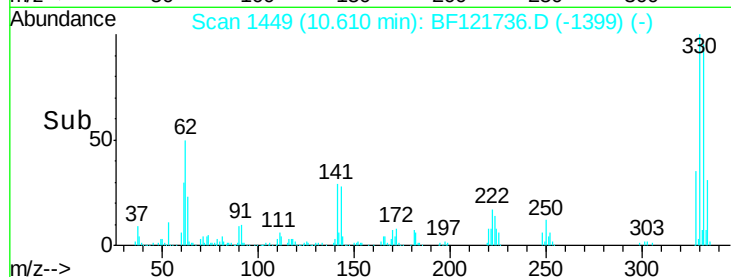
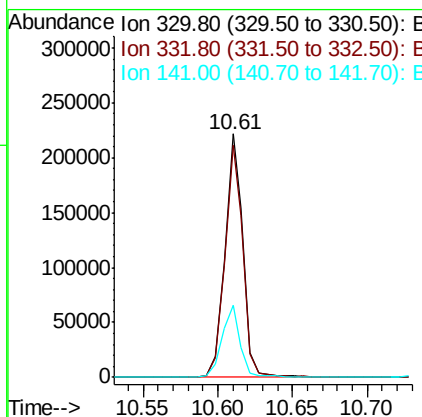
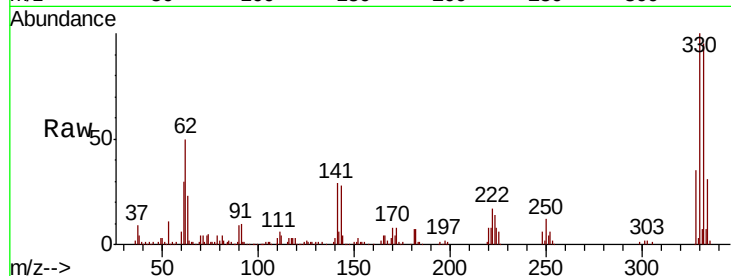
ClientSampleId :

TP-3-(0-6FT)

Tot Ion:	330	Resp:	189326
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.6	116.4
141	29.7	22.9	34.3

Manual Integrations
APPROVED

mohammad
10/1/2020 1:29:54 PM



#45

2-Fluorobiphenyl

Concen: 64.512 ng

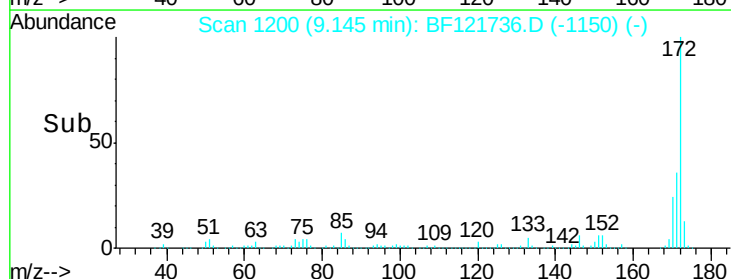
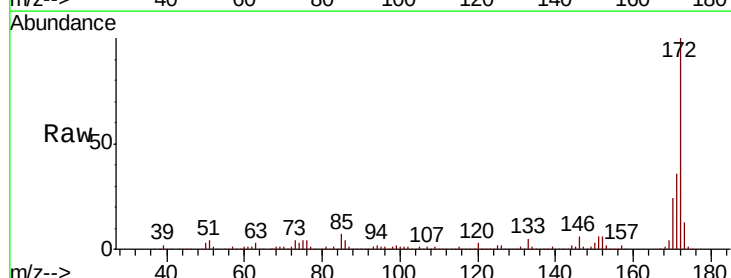
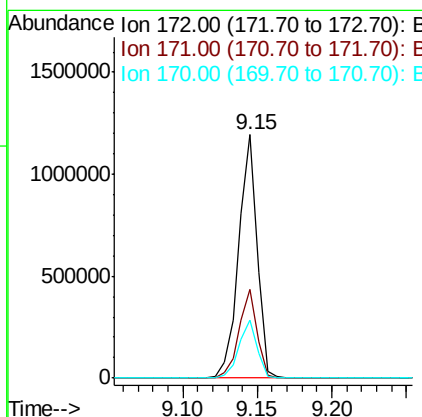
RT: 9.15 min Scan# 1200

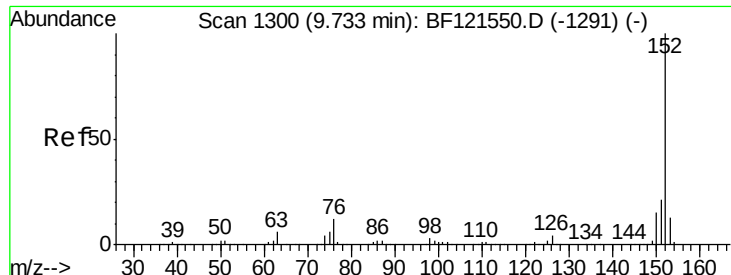
Delta R.T. -0.01 min

Lab File: BF121736.D

Acq: 29 Sep 2020 17:50

Tgt Ion:	172	Resp:	1039316
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.2	43.8
170	23.9	19.7	29.5





#49

Acenaphthylene

Concen: 2.889 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF121736.D

Acq: 29 Sep 2020 17:50

Instrument :

BNA_F

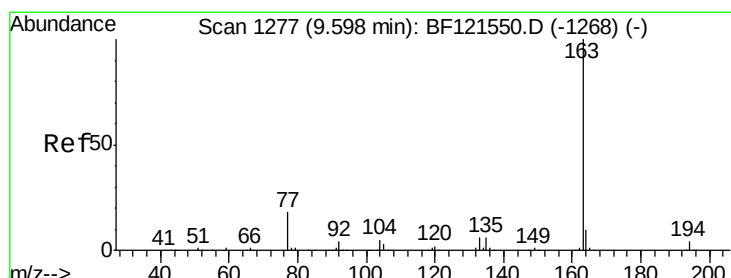
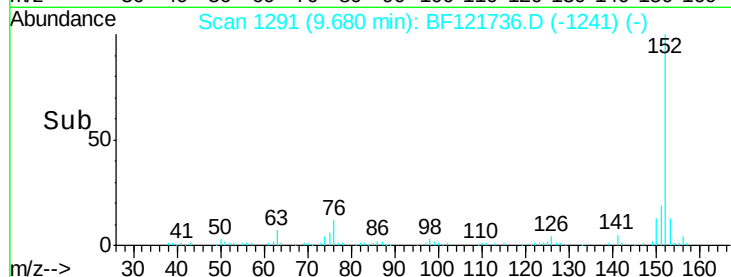
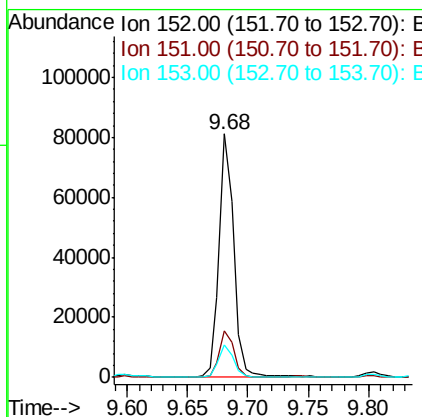
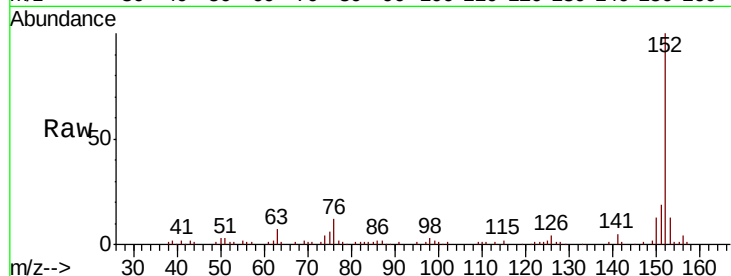
ClientSampled :

TP-3-(0-6FT)

Tot Ion:	152	Resp:	68324
Ion Ratio	Lower	Upper	
152	100		
151	19.0	16.4	24.6
153	13.5	10.9	16.3

Manual Integrations
APPROVED

mohammad
10/1/2020 1:29:54 PM



#50

Dimethylphthalate

Concen: 9.779 ng

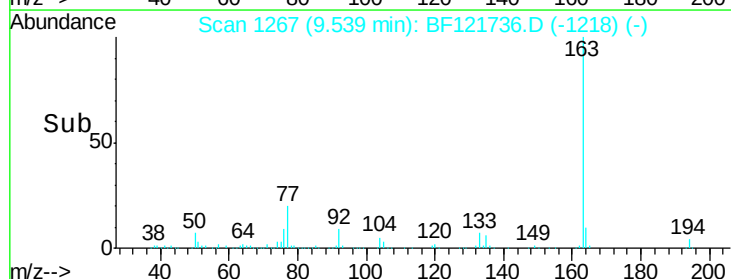
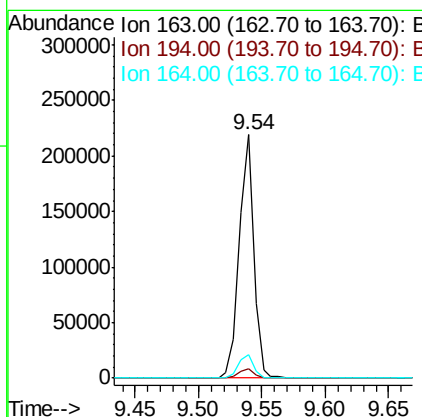
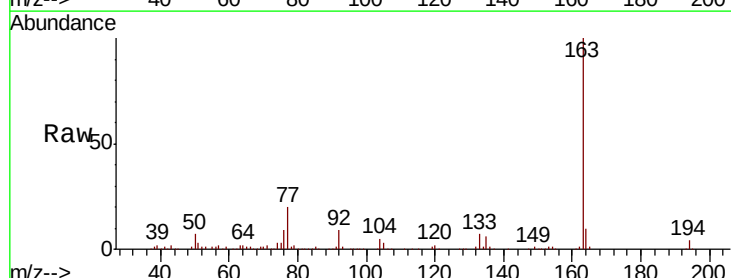
RT: 9.54 min Scan# 1267

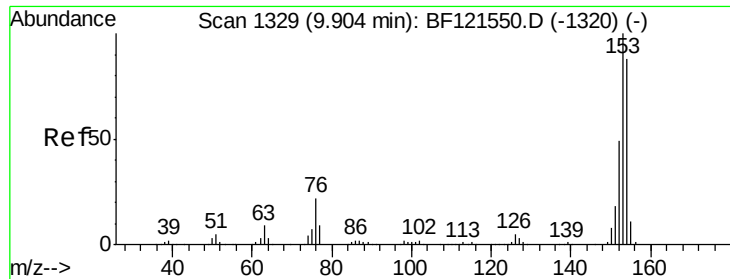
Delta R.T. -0.01 min

Lab File: BF121736.D

Acq: 29 Sep 2020 17:50

Tgt Ion:	163	Resp:	172931
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.1	4.7
164	9.6	8.5	12.7





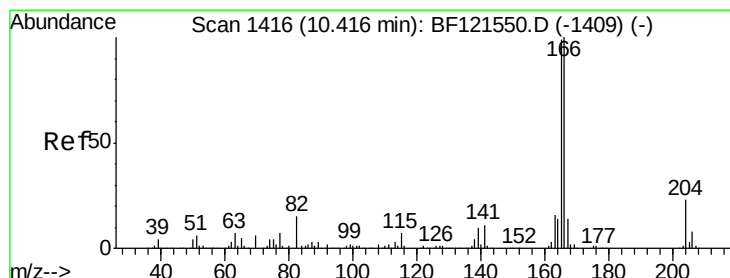
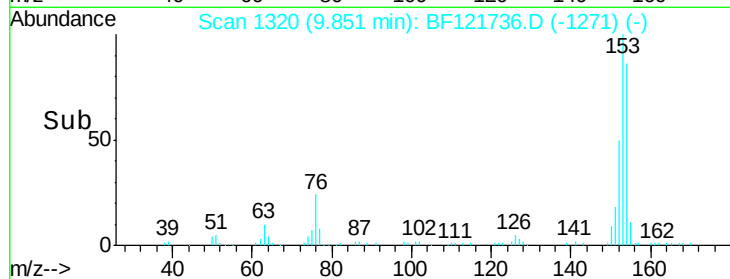
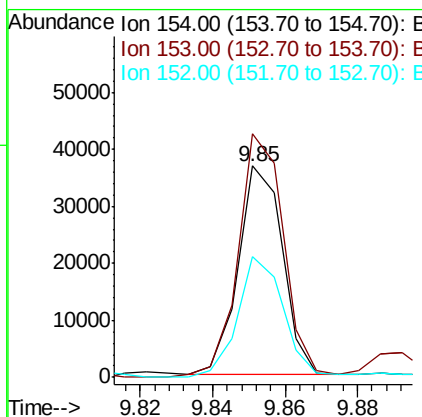
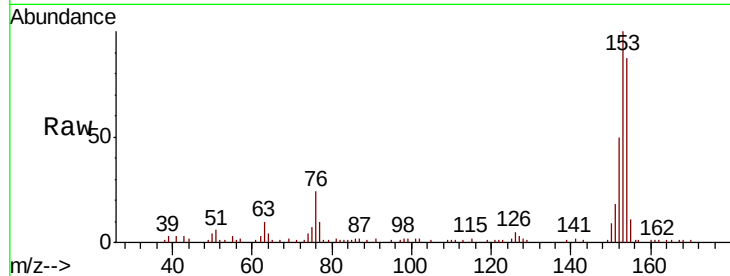
#52
Acenaphthene
Concen: 2.095 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.1	90.7	136.1
152	57.0	43.9	65.9

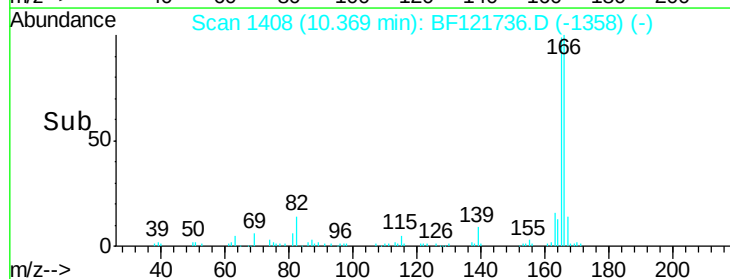
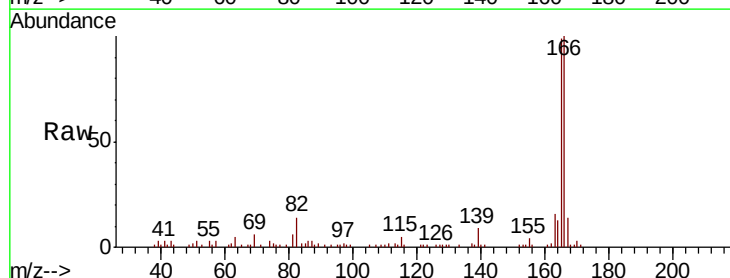
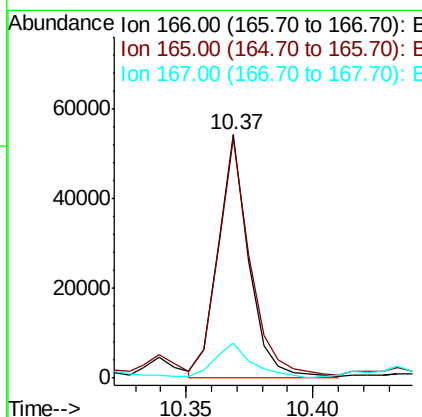
Manual Integrations
APPROVED

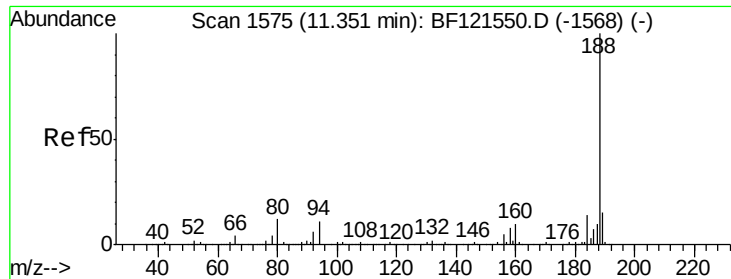
mohammad
10/1/2020 1:29:54 PM



#58
Fluorene
Concen: 2.822 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.2	118.8
167	14.3	10.6	16.0





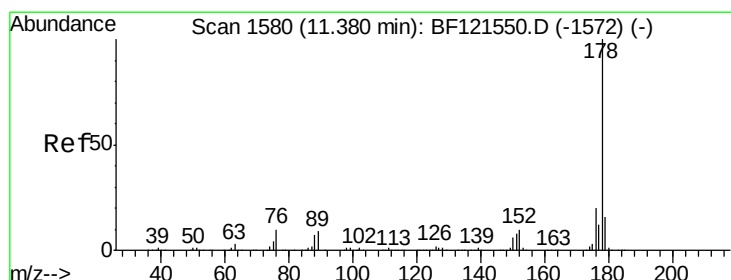
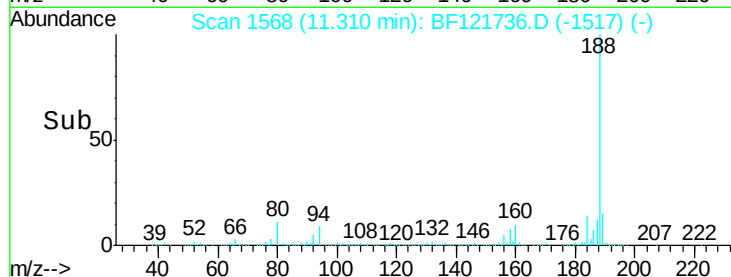
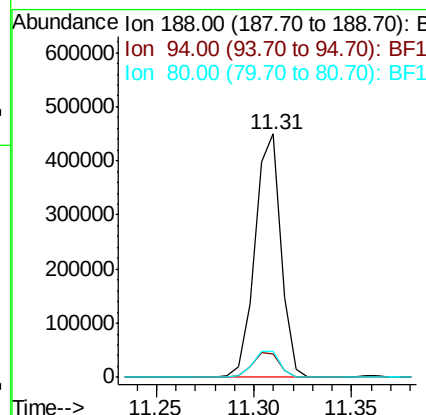
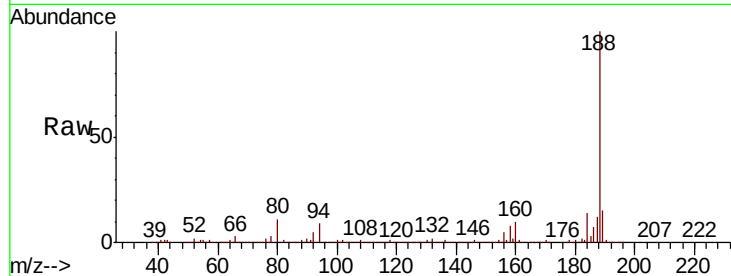
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	8.2	12.2
80	10.6	8.9	13.3

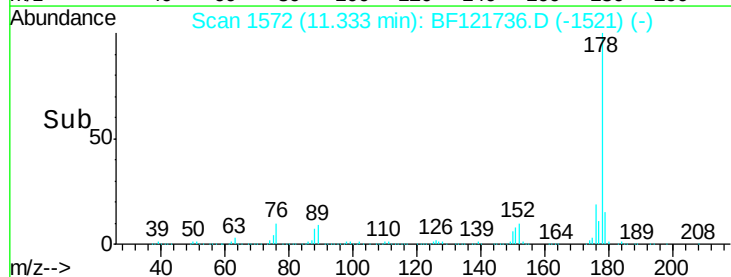
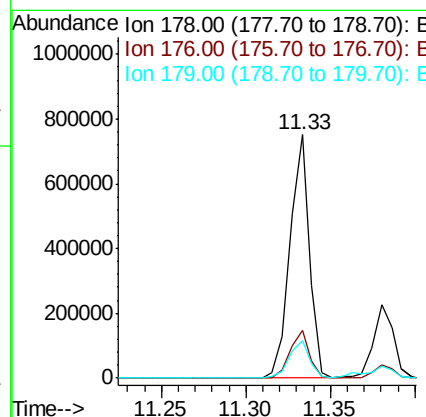
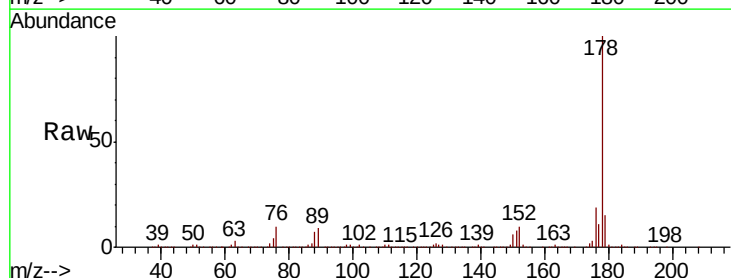
Manual Integrations
APPROVED

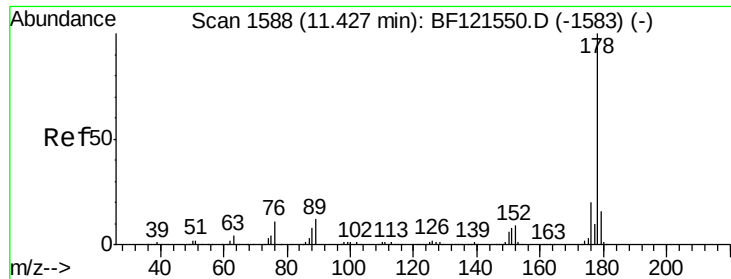
mohammad
10/1/2020 1:29:54 PM



#71
Phenanthrene
Concen: 26.944 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.3	12.6	19.0





#72

Anthracene

Concen: 7.854 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF121736.D

Acq: 29 Sep 2020 17:50

Instrument :

BNA_F

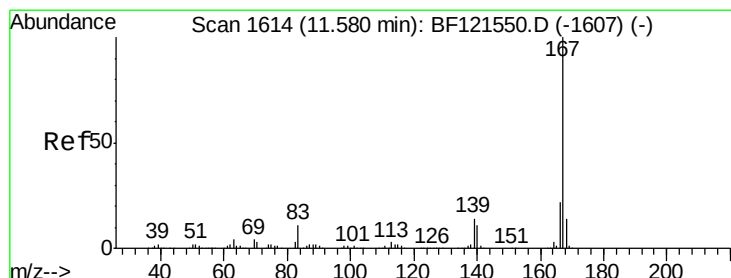
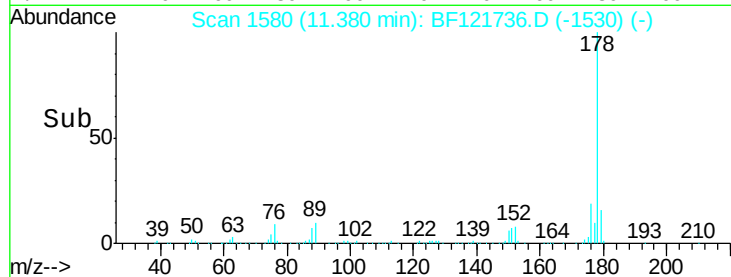
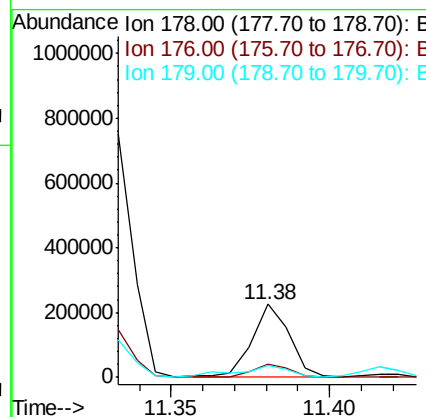
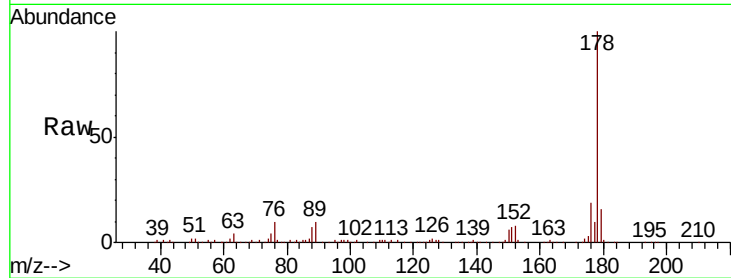
ClientSampled :

TP-3-(0-6FT)

Tot Ion:	178	Resp:	182654
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.6
179	16.4	12.6	19.0

Manual Integrations
APPROVED

mohammad
10/1/2020 1:29:54 PM



#73

Carbazole

Concen: 5.299 ng

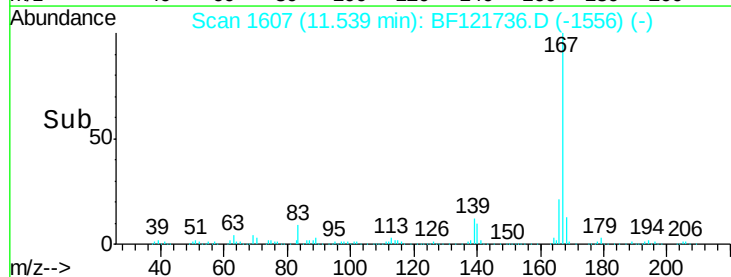
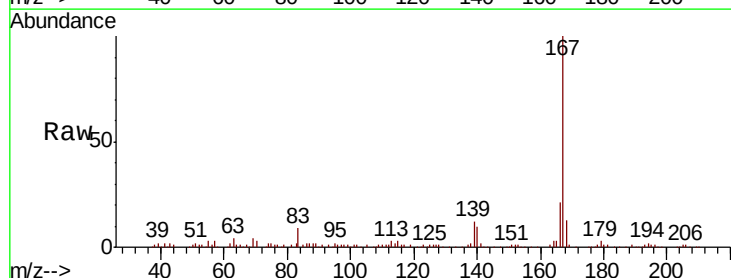
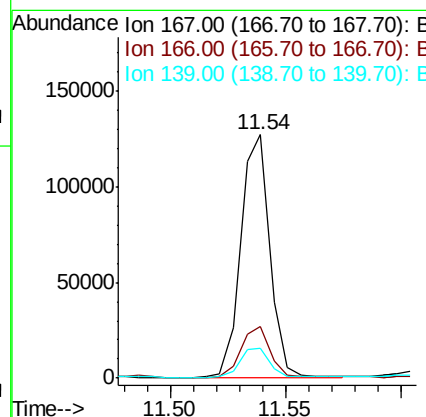
RT: 11.54 min Scan# 1607

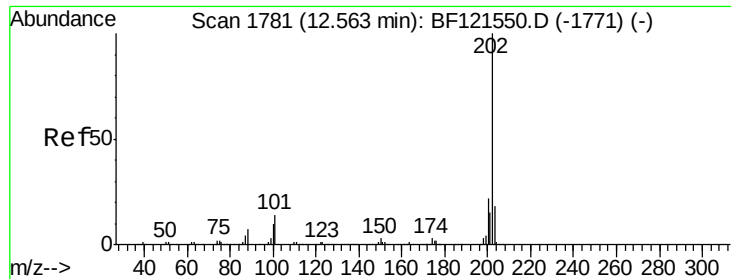
Delta R.T. 0.00 min

Lab File: BF121736.D

Acq: 29 Sep 2020 17:50

Tgt Ion:	167	Resp:	111208
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.7	26.5
139	12.4	10.9	16.3





#75

Fluoranthene

Concen: 38.249 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF121736.D

Acq: 29 Sep 2020 17:50

Instrument :

BNA_F

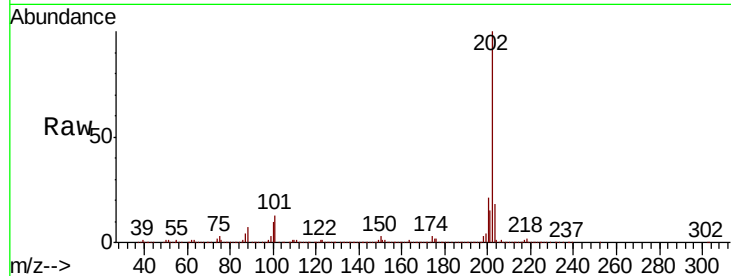
ClientSampled :

TP-3-(0-6FT)

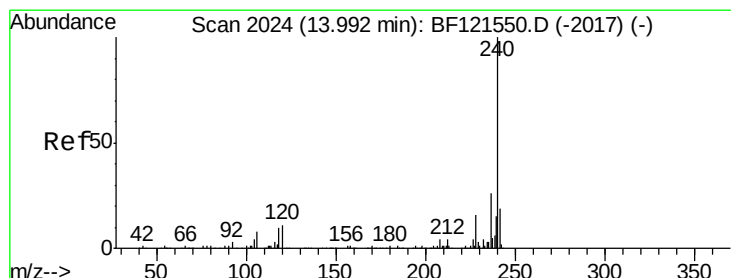
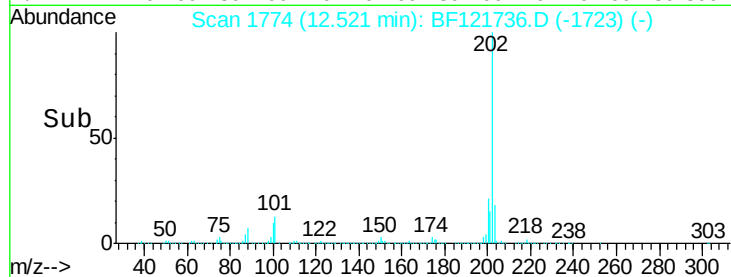
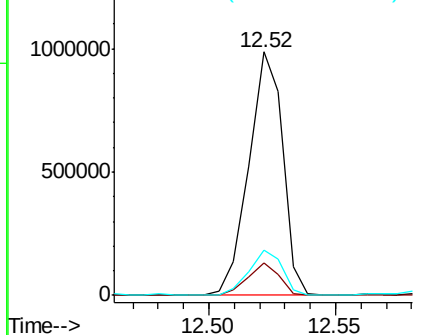
Tot Ion:202	Resp:	920171
Ion Ratio	Lower	Upper
202 100		
101 13.2	0.0	32.0
203 18.4	0.0	38.0

Manual Integrations
APPROVED

mohammad
10/1/2020 1:29:54 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

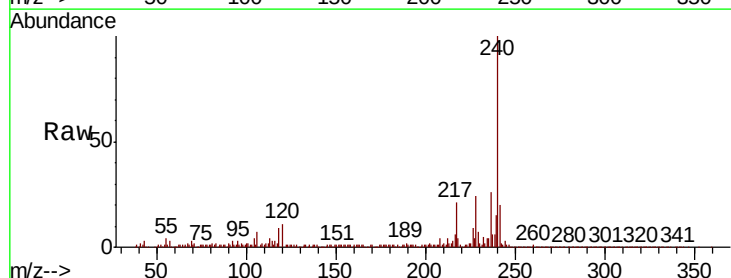
RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

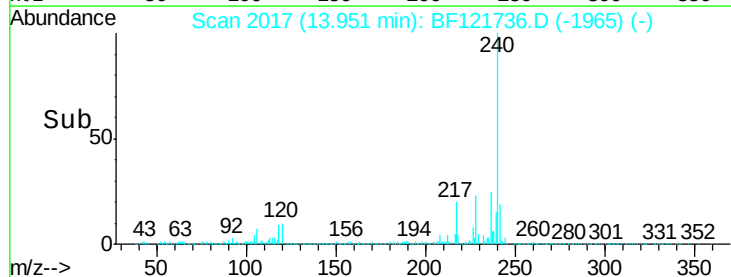
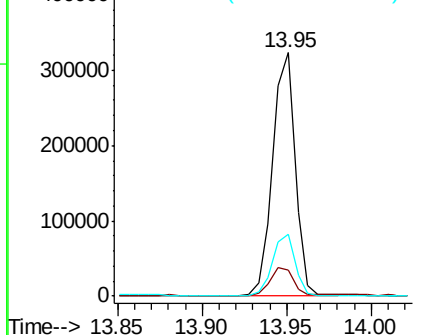
Lab File: BF121736.D

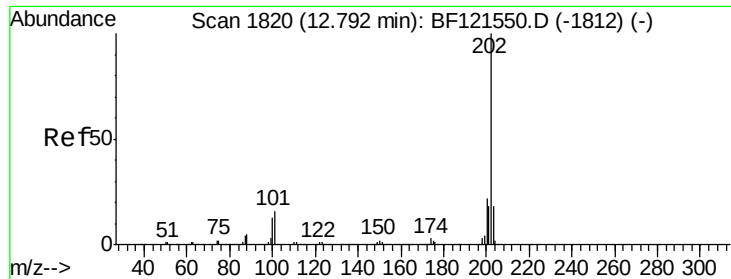
Acq: 29 Sep 2020 17:50

Tgt Ion:240	Resp:	297302
Ion Ratio	Lower	Upper
240 100		
120 10.6	10.2	15.4
236 25.6	20.4	30.6



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





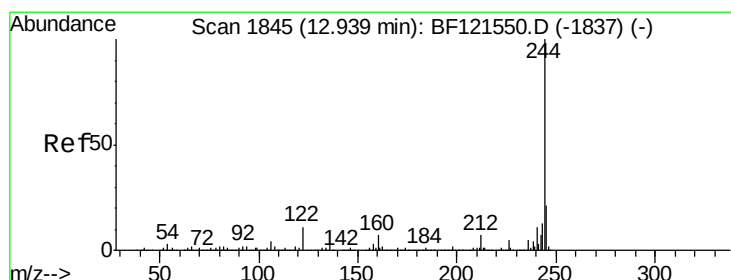
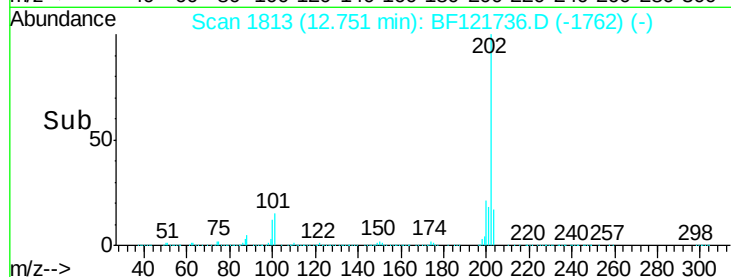
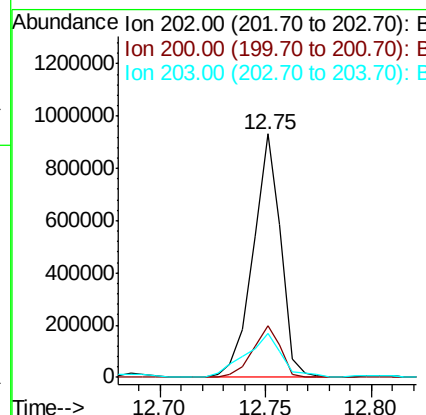
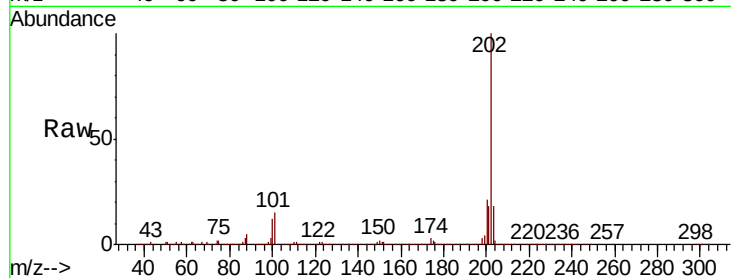
#78
Pvrene
Concen: 38.723 ng
RT: 12.75 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		841126		
200	21.3	17.4	26.2		
203	17.9	14.5	21.7		

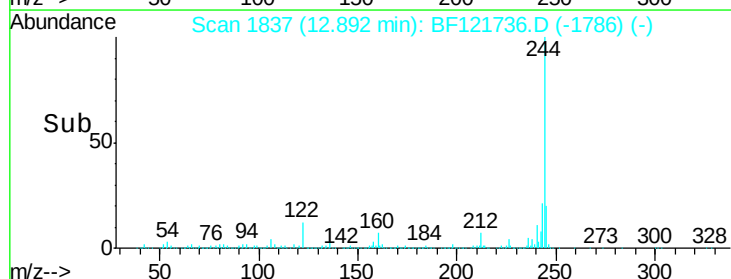
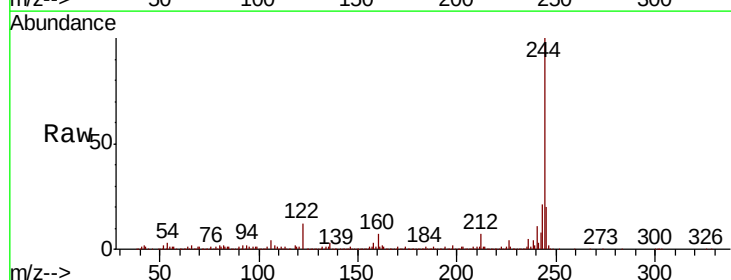
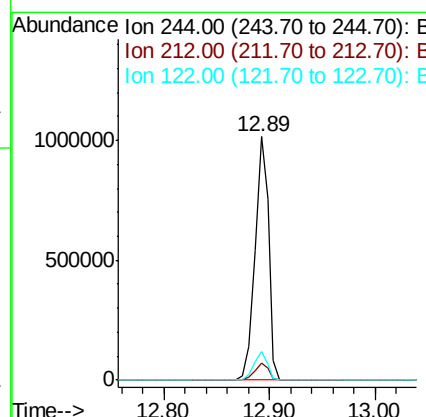
Manual Integrations
APPROVED

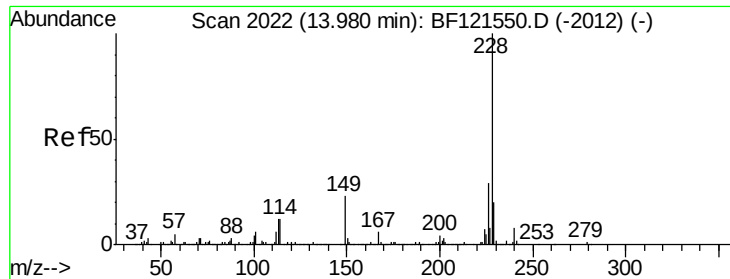
mohammad
10/1/2020 1:29:54 PM



#79
Terphenyl-d14
Concen: 61.826 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		907300		
212	7.2	5.7	8.5		
122	11.7	9.0	13.4		





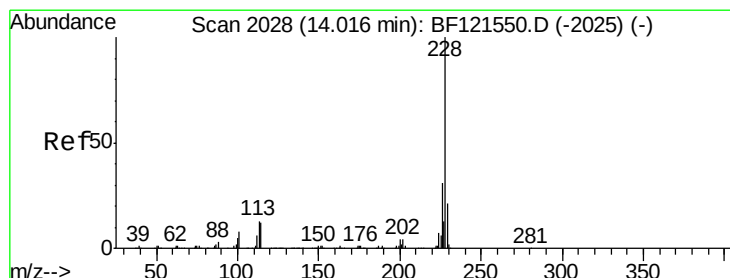
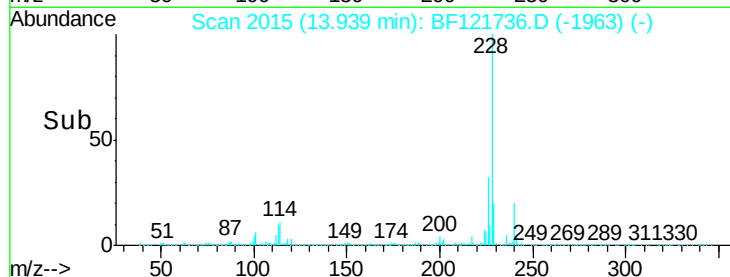
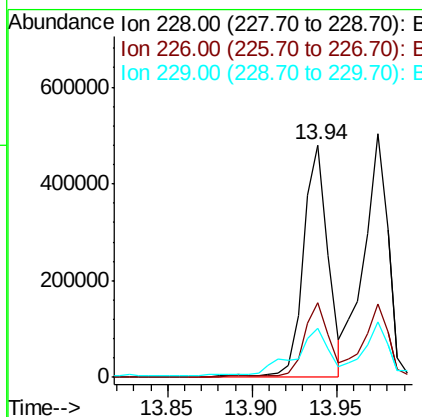
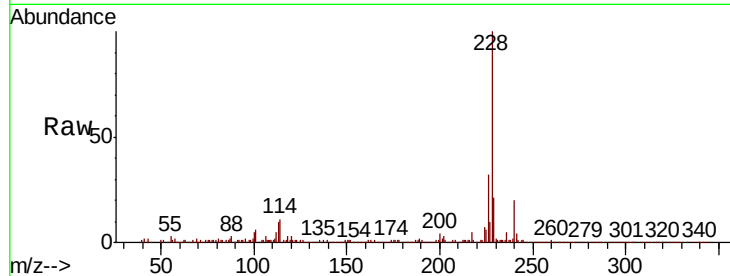
#81
Benzo(a)anthracene
Concen: 25.409 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.2	33.2
229	20.9	16.2	24.4

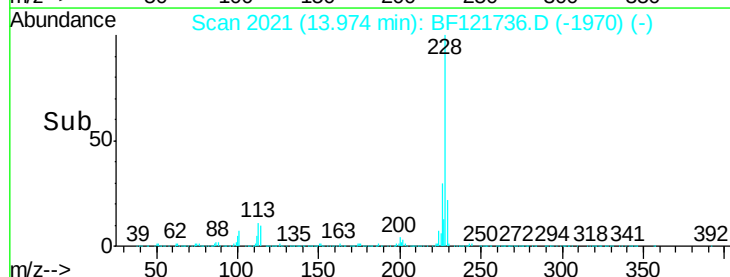
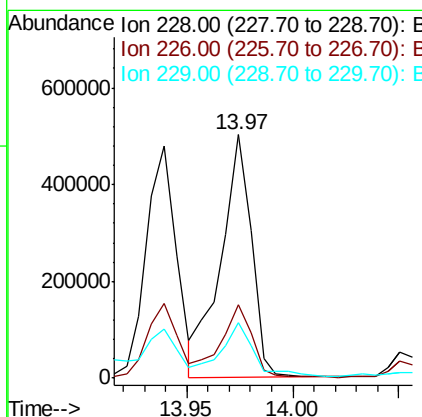
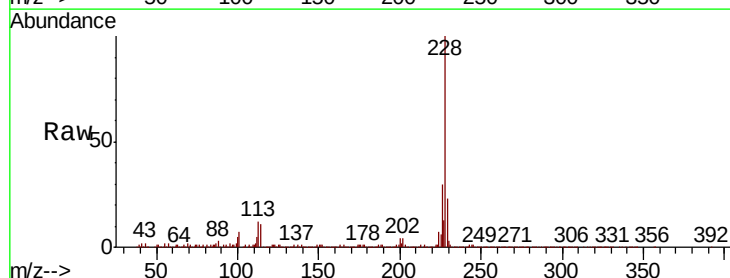
Manual Integrations
APPROVED

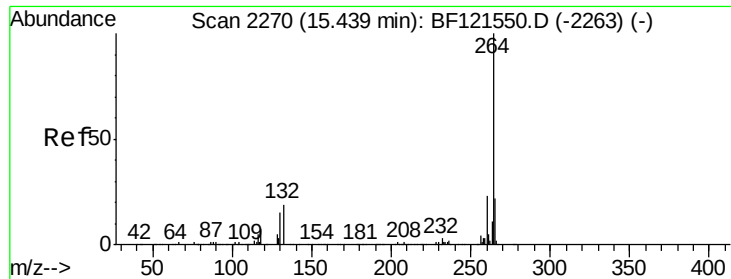
mohammad
10/1/2020 1:29:54 PM



#83
Chrysene
Concen: 26.401 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	22.7	16.4	24.6





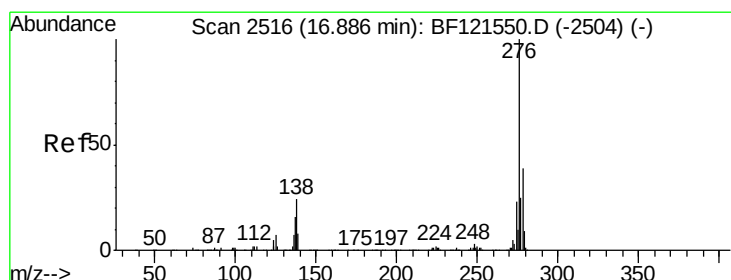
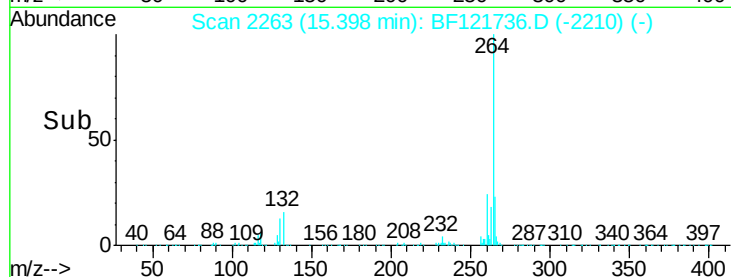
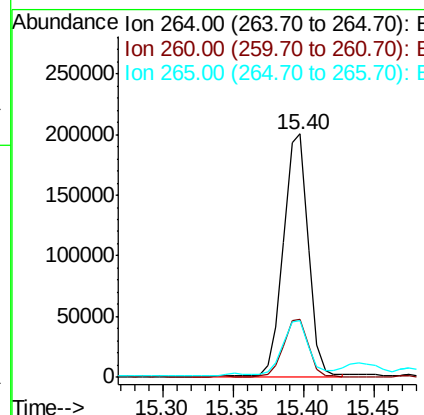
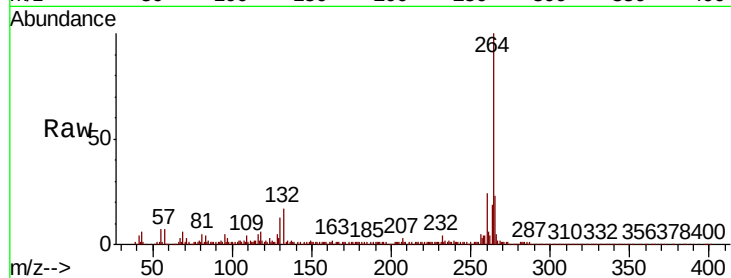
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Instrument :
BNA_F
ClientSampled :
TP-3-(0-6FT)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	23.1	17.3	25.9

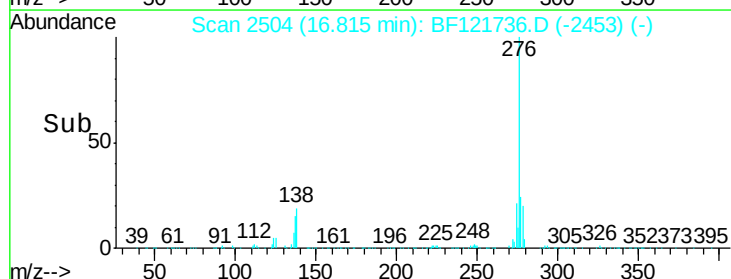
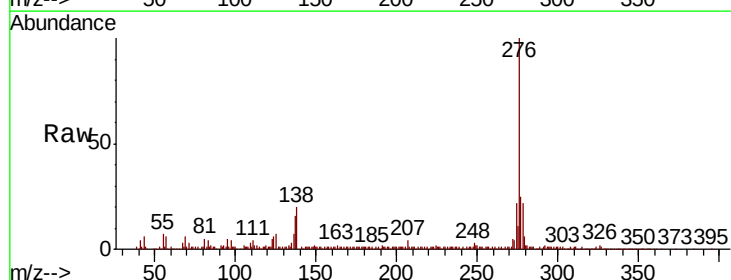
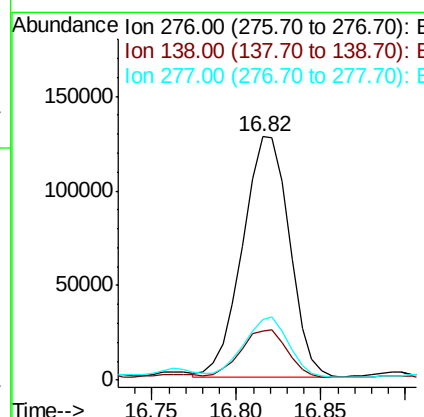
Manual Integrations
APPROVED

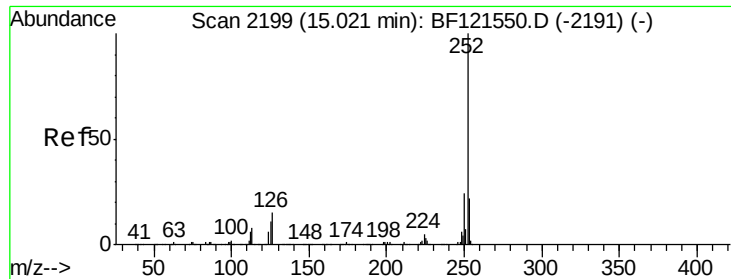
mohammad
10/1/2020 1:29:54 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.514 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.4	29.0
277	24.2	20.4	30.6





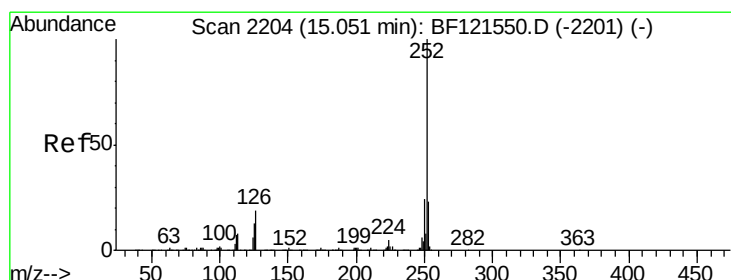
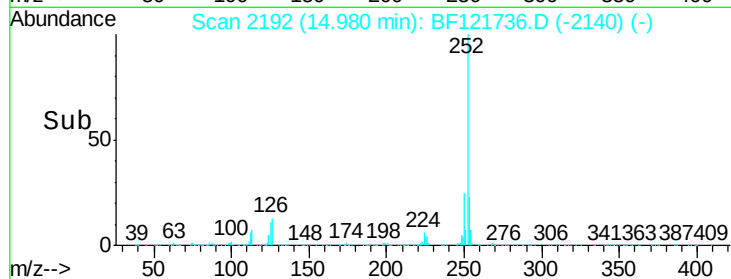
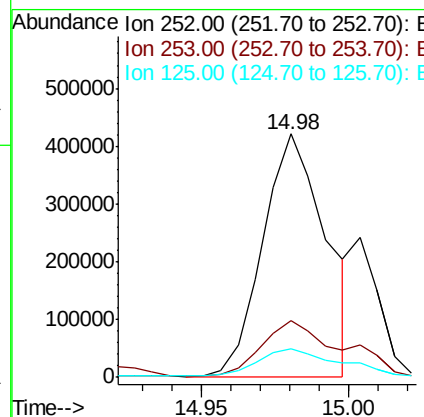
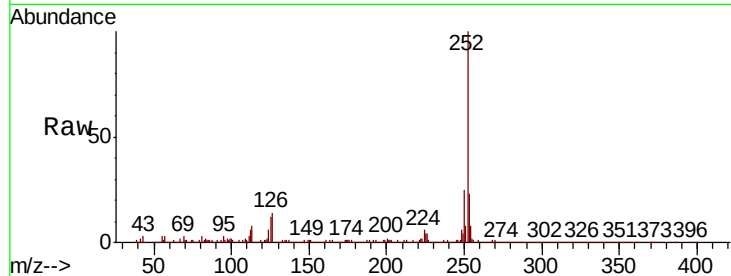
#88
Benzo(b)fluoranthene
Concen: 38.299 ng m
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	11.5	8.0	12.0

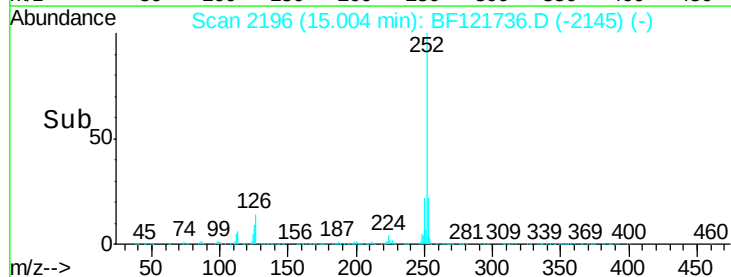
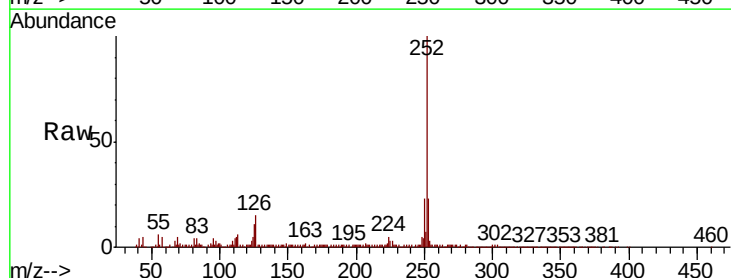
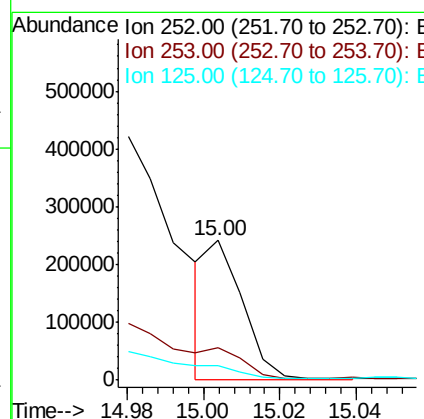
Manual Integrations
APPROVED

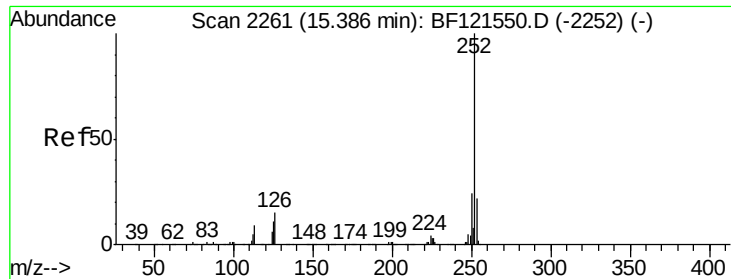
mohammad
10/1/2020 1:29:54 PM



#89
Benzo(k)fluoranthene
Concen: 10.513 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.8	7.8	11.6





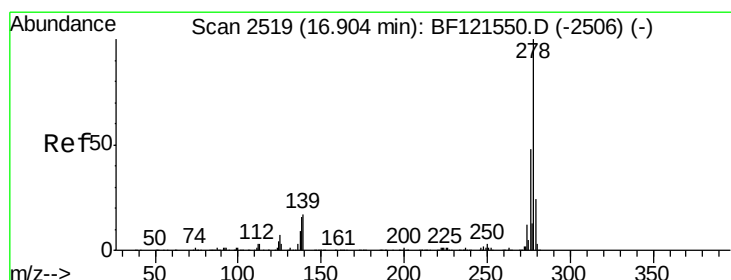
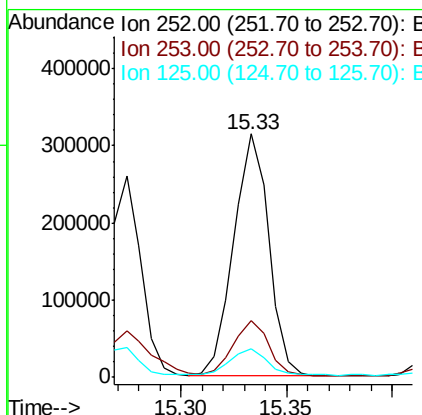
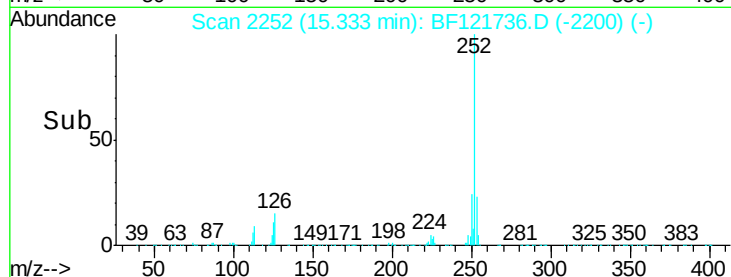
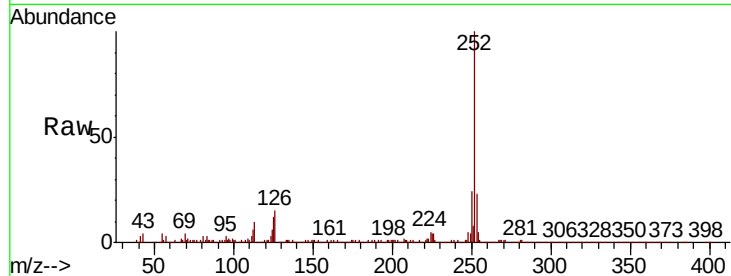
#90
Benzo(a)pyrene
Concen: 26.078 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	11.9	9.2	13.8

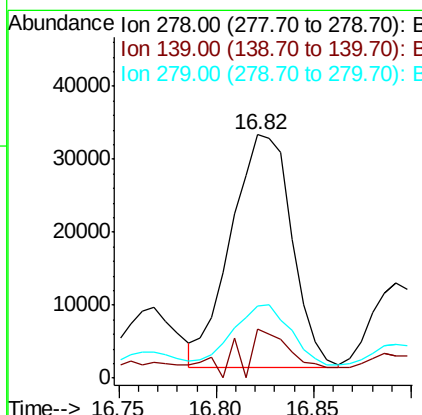
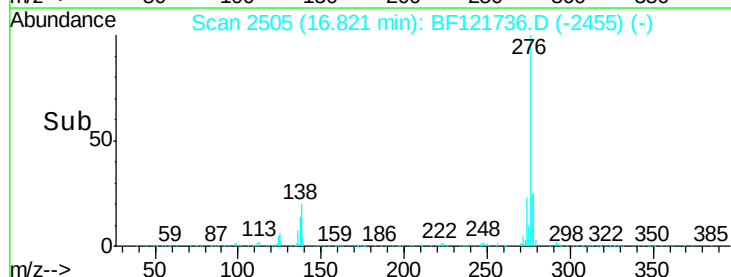
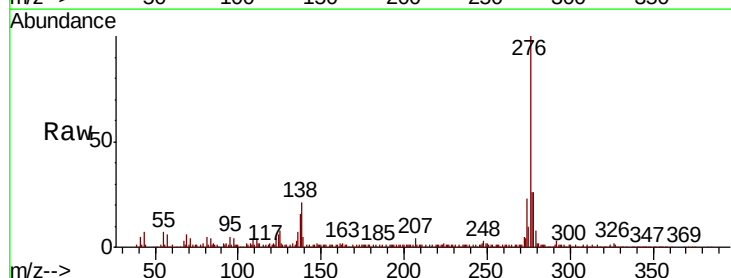
Manual Integrations
APPROVED

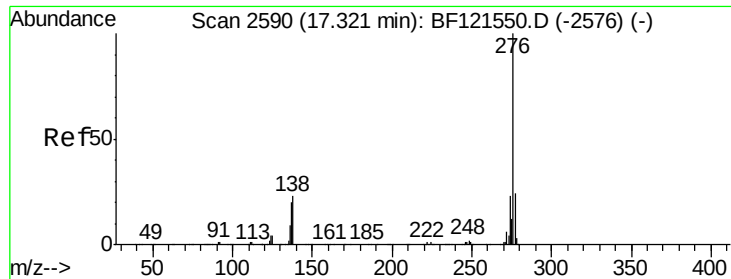
mohammad
10/1/2020 1:29:54 PM



#91
Dibenzo(a,h)anthracene
Concen: 5.206 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BF121736.D
Acq: 29 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	12.5	18.7#
279	29.6	19.2	28.8#





#92
 Benzo(a,h,i)perylene
 Concen: 17.838 ng
 RT: 17.25 min Scan# 2578
 Delta R.T. 0.01 min
 Lab File: BF121736.D
 Acq: 29 Sep 2020 17:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-(0-6FT)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	20.9	16.7	25.1

Manual Integrations
 APPROVED

mohammad
 10/1/2020 1:29:54 PM

