

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042220\
 Data File : BF120148.D
 Acq On : 23 Apr 2020 2:56
 Operator : MA/SJ
 Sample : L2327-24
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-S

Manual Integrations
 APPROVED

mohammad
 4/24/2020 4:18:08 AM

Quant Time: Apr 23 04:45:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 11:49:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	131491	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	502029	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	258153	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	479774	20.00	ng	0.00
76) Chrysene-d12	13.83	240	369073	20.00	ng	-0.02
87) Perylene-d12	15.24	264	310961	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1124733	147.82	ng	0.00
7) Phenol-d6	6.32	99	1275647	130.11	ng	0.00
23) Nitrobenzene-d5	7.25	82	1007800	103.85	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	417453	132.08	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	1900384	104.52	ng	0.00
79) Terphenyl-d14	12.79	244	2092101	95.38	ng	0.00
Target Compounds						
32) Benzoic acid	7.69	122	16033m	2.48	ng	Qvalue 95
77) Benzidine	12.53	184	69117	5.54	ng	

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

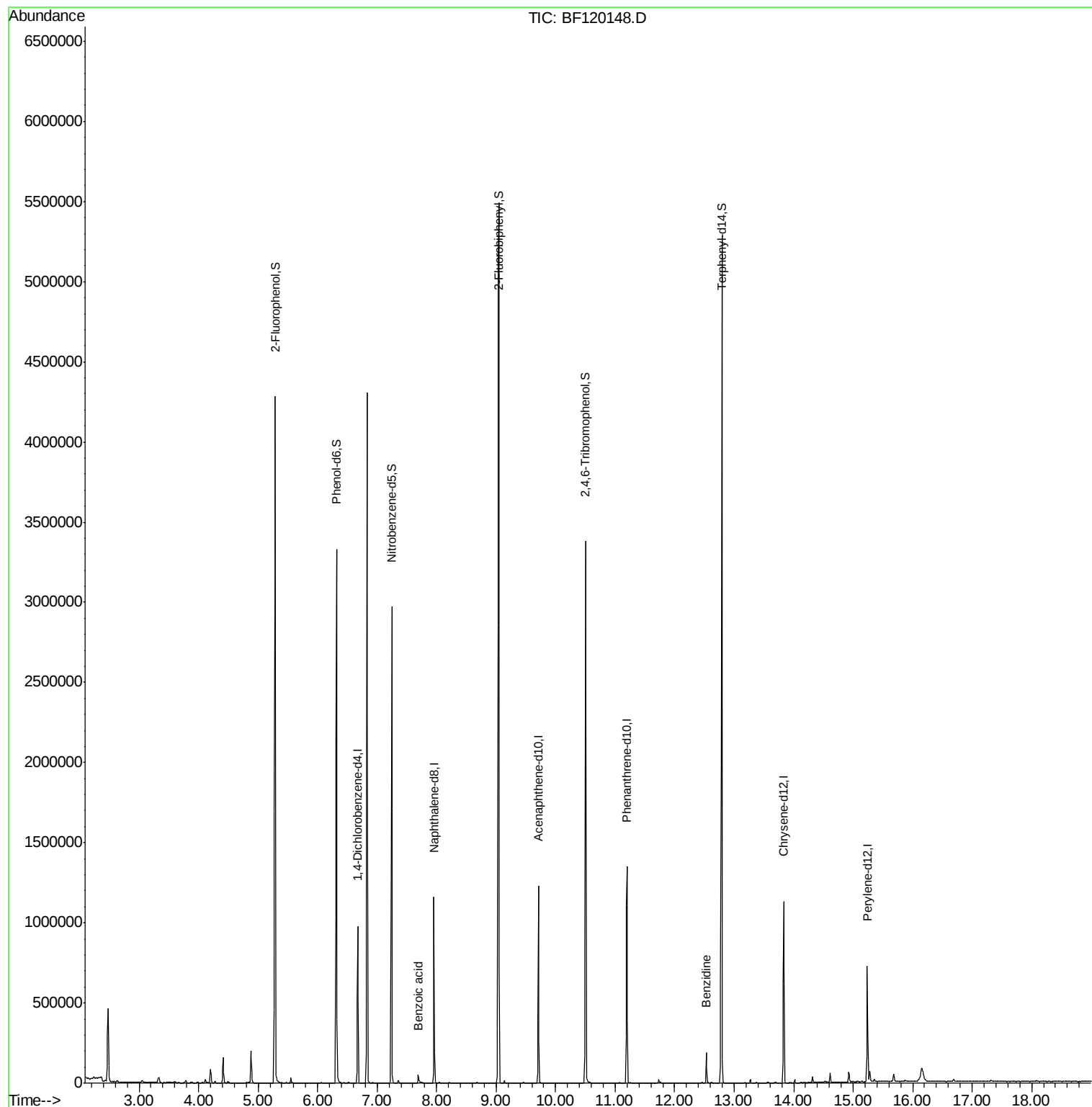
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042220\
Data File : BF120148.D
Acq On : 23 Apr 2020 2:56
Operator : MA/SJ
Sample : L2327-24
Misc :
ALS Vial : 26 Sample Multiplier: 1

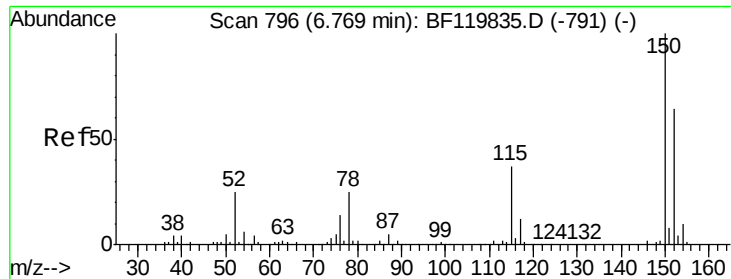
Instrument :
BNA_F
ClientSampleId :
TP-6-S

Manual Integrations
APPROVED

mohammad
4/24/2020 4:18:08 AM

Quant Time: Apr 23 04:45:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 22 11:49:00 2020
Response via : Initial Calibration





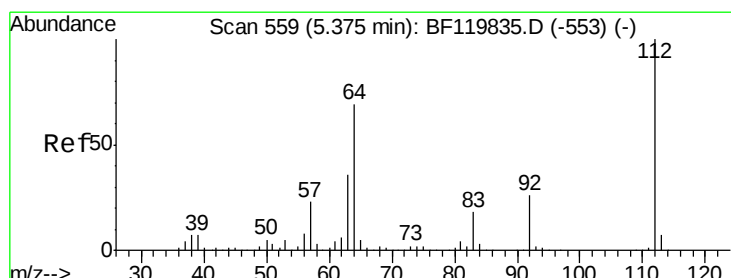
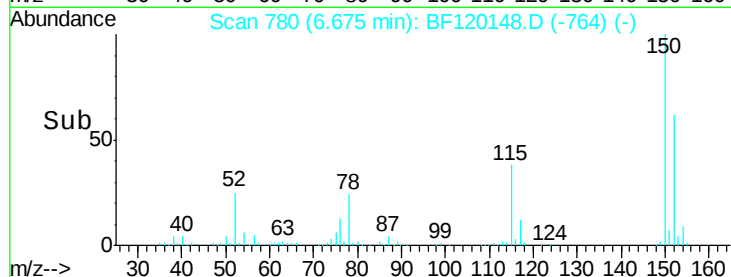
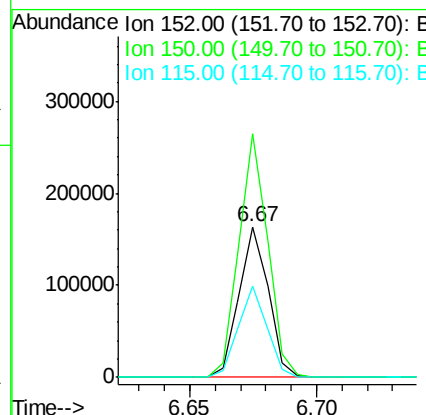
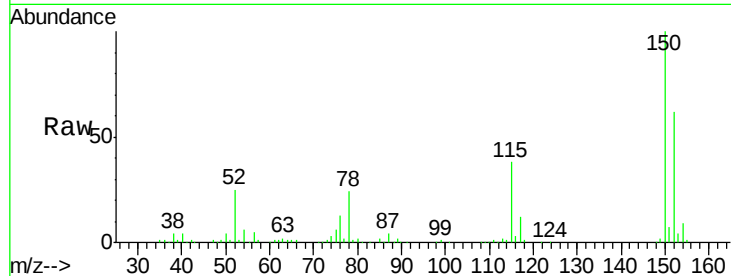
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BF120148.D
 Acq: 23 Apr 2020 2:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.5	124.5	186.7
115	60.8	49.6	74.4

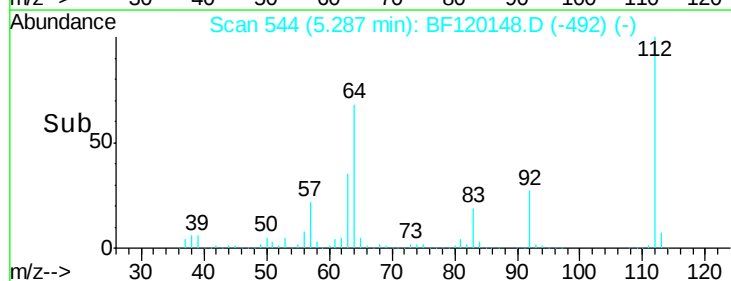
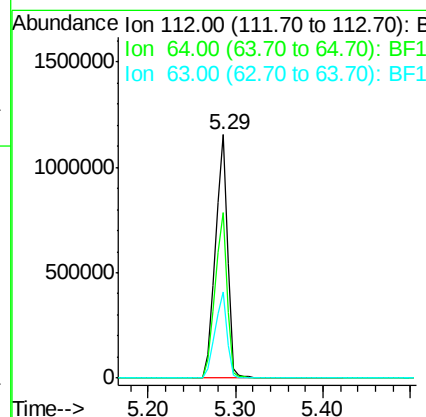
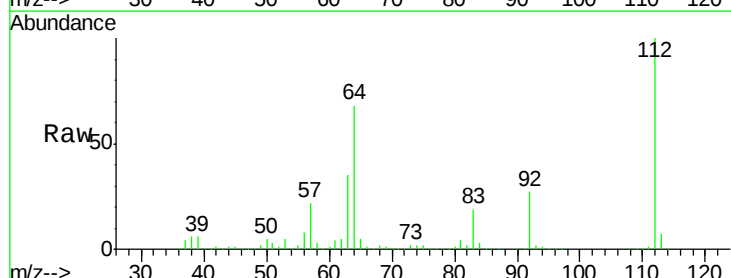
Manual Integrations
 APPROVED

mohammad
 4/24/2020 4:18:08 AM



#5
 2-Fluorophenol
 Concen: 147.82 ng
 RT: 5.29 min Scan# 544
 Delta R.T. 0.01 min
 Lab File: BF120148.D
 Acq: 23 Apr 2020 2:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	56.7	85.1
63	35.5	29.5	44.3





#7

Phenol-d6

Concen: 130.11 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF120148.D

Acq: 23 Apr 2020 2:56

Instrument :

BNA_F

ClientSampleId :

TP-6-S

Tgt Ion: 99 Resp: 1275647

Ion Ratio Lower Upper

99 100

42 18.8 16.6 24.8

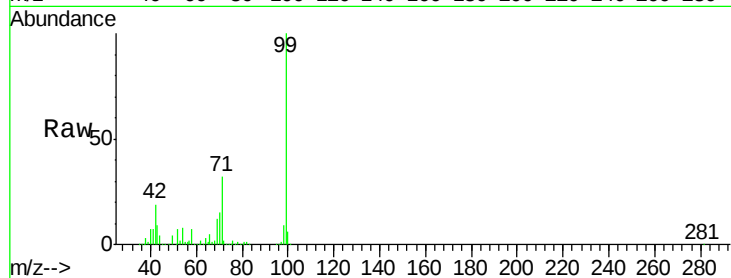
71 32.0 26.4 39.6

Manual Integrations

APPROVED

mohammad

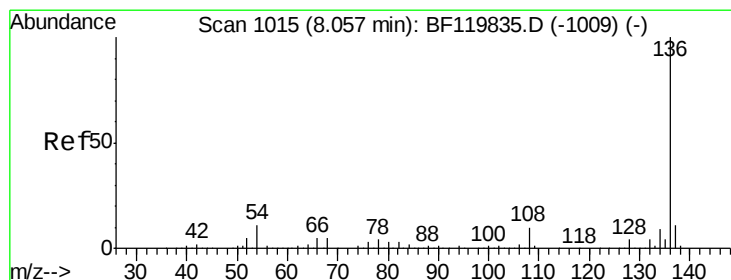
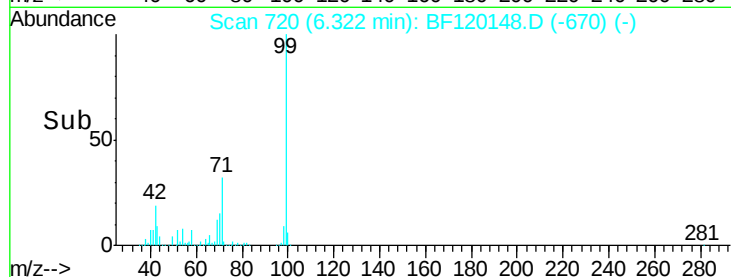
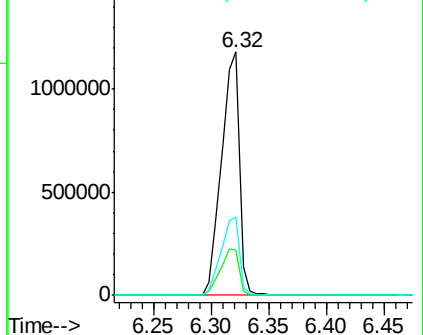
4/24/2020 4:18:08 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF120148.D

Acq: 23 Apr 2020 2:56

Tgt Ion: 136 Resp: 502029

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.3 9.1 13.7

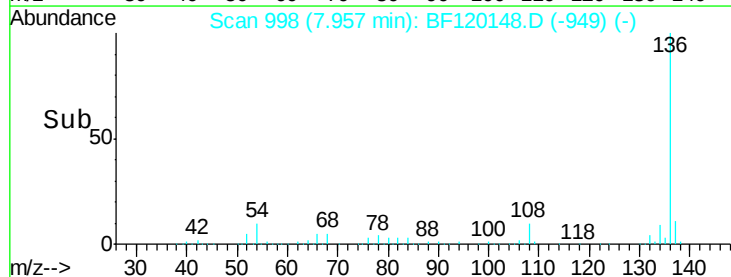
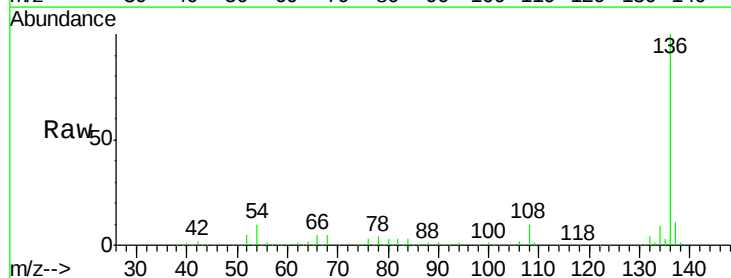
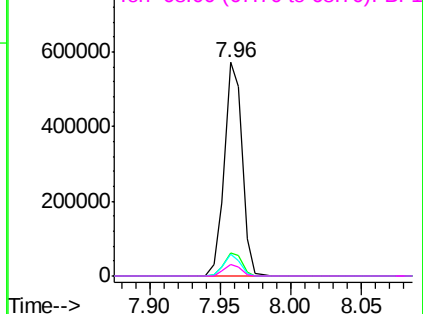
68 5.4 4.6 6.8

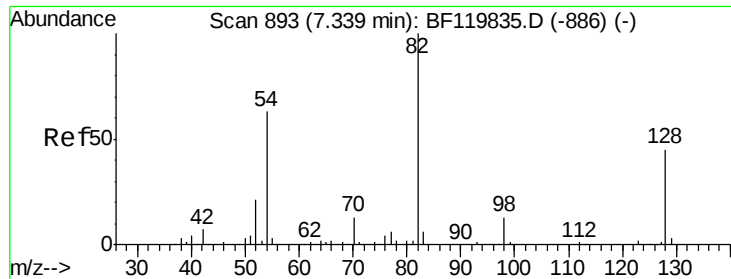
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





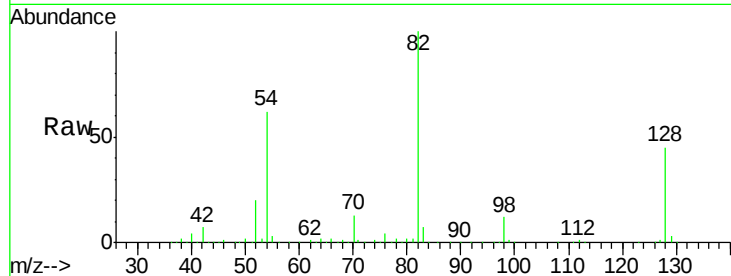
#23
 Nitrobenzene-d5
 Concen: 103.85 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF120148.D
 Acq: 23 Apr 2020 2:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-S

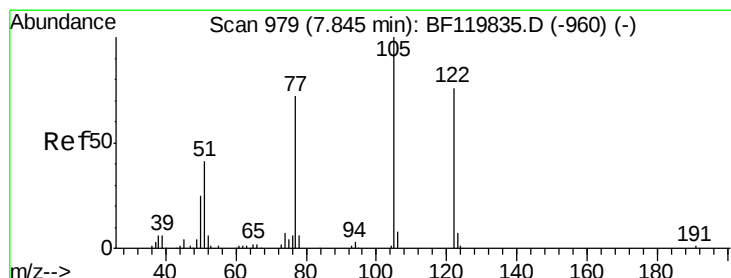
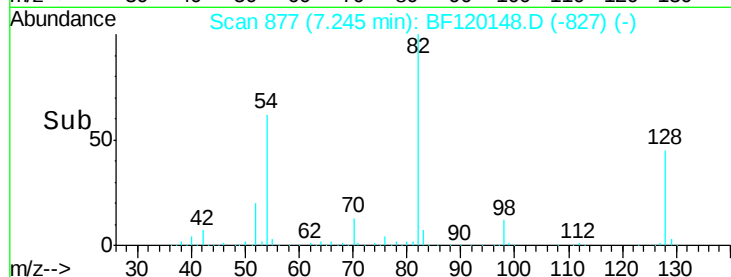
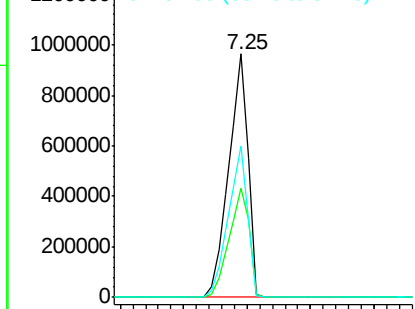
Tgt Ion: 82 Resp: 1007800
 Ion Ratio Lower Upper
 82 100
 128 45.1 36.3 54.5
 54 62.4 50.6 75.8

Manual Integrations
 APPROVED

mohammad
 4/24/2020 4:18:08 AM



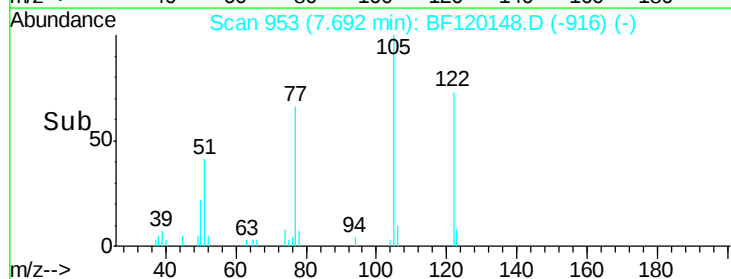
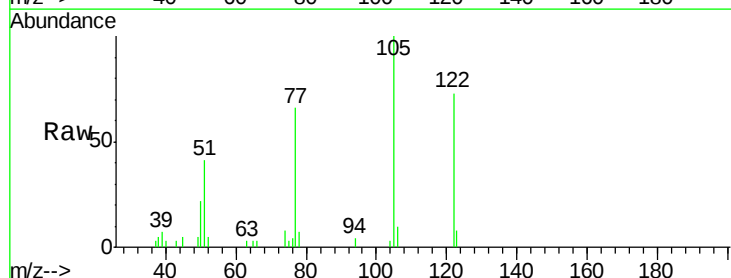
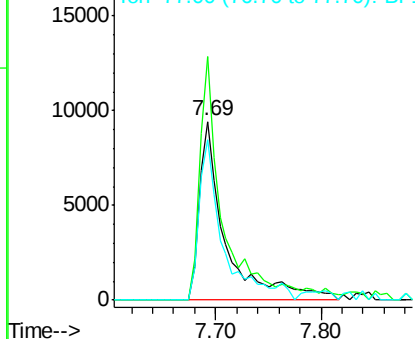
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

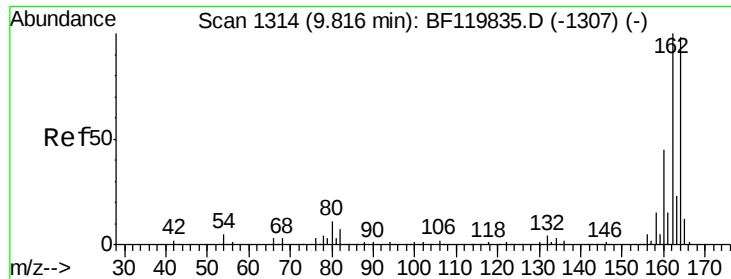


#32
 Benzoic acid
 Concen: 2.48 ng m
 RT: 7.69 min Scan# 953
 Delta R.T. -0.08 min
 Lab File: BF120148.D
 Acq: 23 Apr 2020 2:56

Tgt Ion: 122 Resp: 16033
 Ion Ratio Lower Upper
 122 100
 105 136.4 104.9 144.9
 77 89.7 74.4 114.4

Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF120148.D

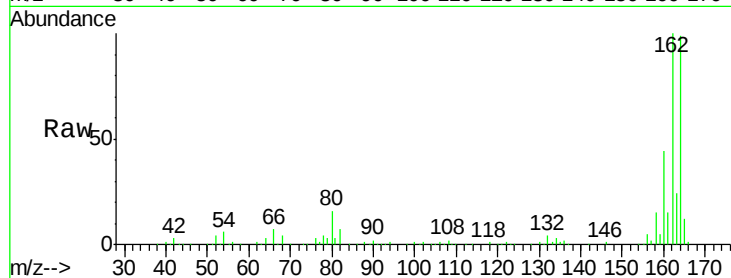
Acq: 23 Apr 2020 2:56

Instrument :

BNA_F

ClientSampleId :

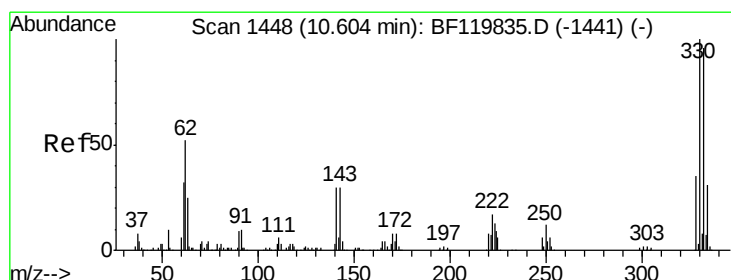
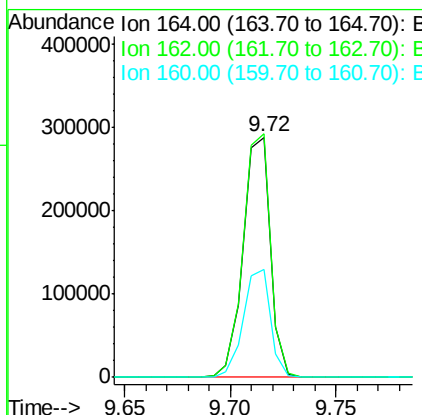
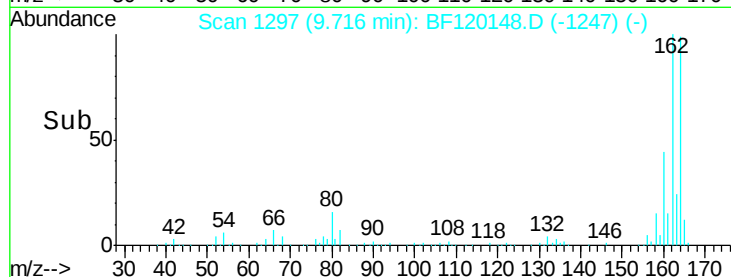
TP-6-S



Tgt Ion:	164	Resp:	258153
Ion Ratio	Lower	Upper	
164	100		
162	101.3	80.6	121.0
160	44.9	35.7	53.5

Manual Integrations
APPROVED

mohammad
4/24/2020 4:18:08 AM



#42

2,4,6-Tribromophenol

Concen: 132.08 ng

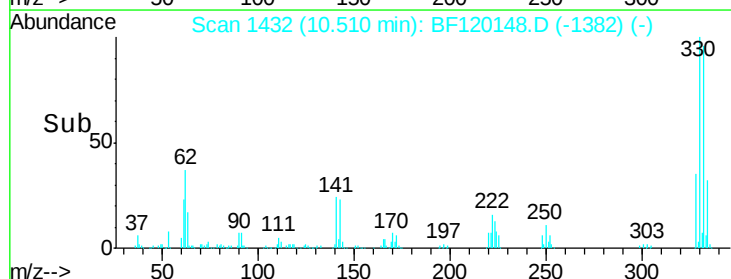
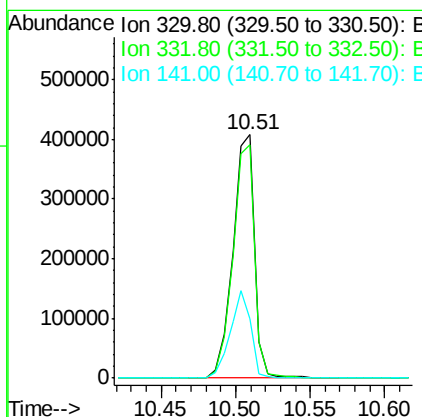
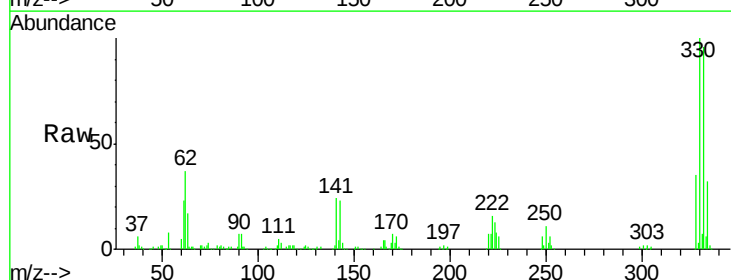
RT: 10.51 min Scan# 1432

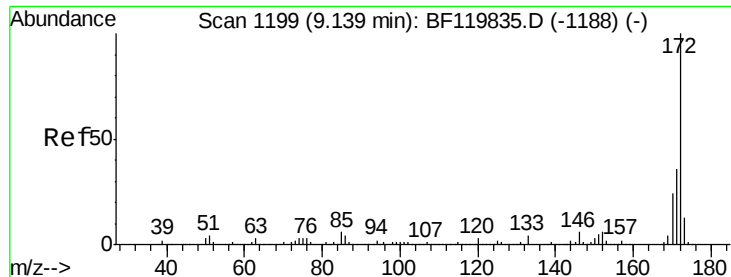
Delta R.T. -0.01 min

Lab File: BF120148.D

Acq: 23 Apr 2020 2:56

Tgt Ion:	330	Resp:	417453
Ion Ratio	Lower	Upper	
330	100		
332	96.7	75.7	113.5
141	34.1	25.4	38.0





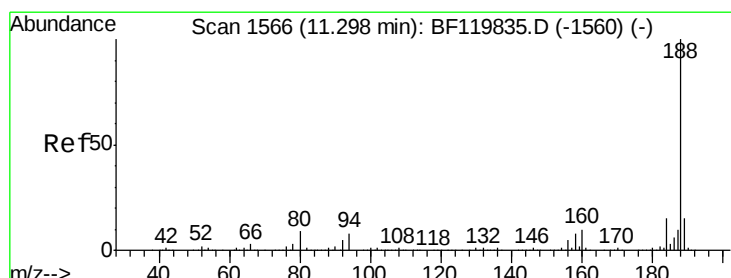
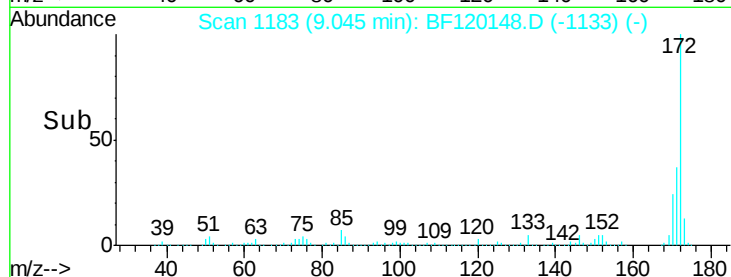
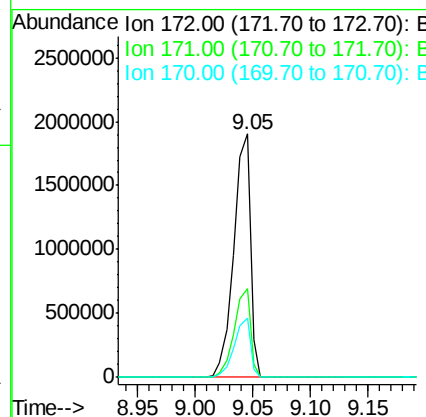
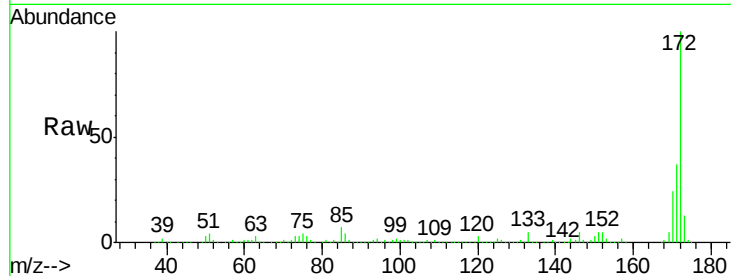
#45
 2-Fluorobiphenyl
 Concen: 104.52 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF120148.D
 Acq: 23 Apr 2020 2:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-S

Tgt Ion:172 Resp: 1900384
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.2 20.2 30.2

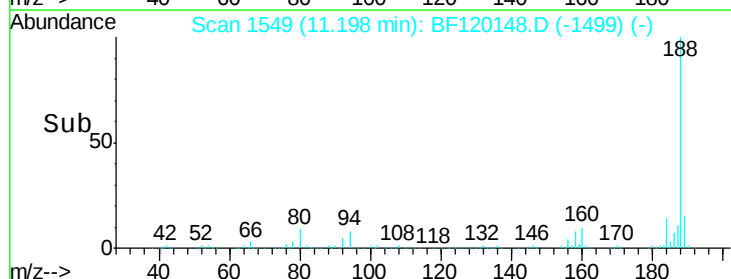
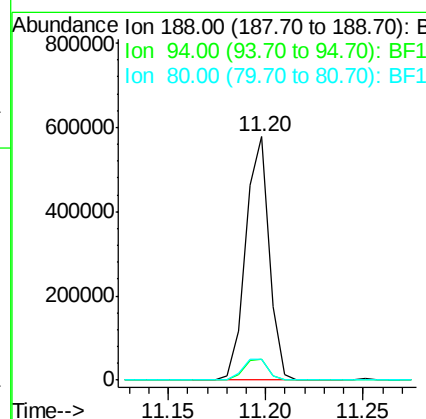
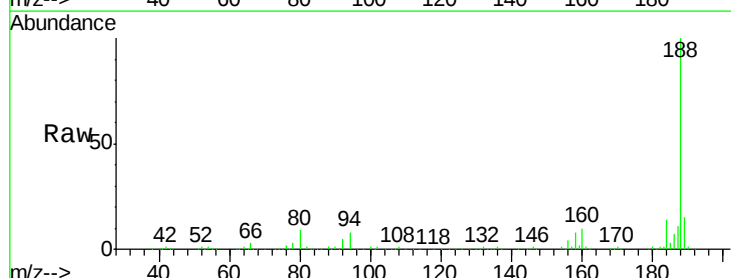
Manual Integrations
 APPROVED

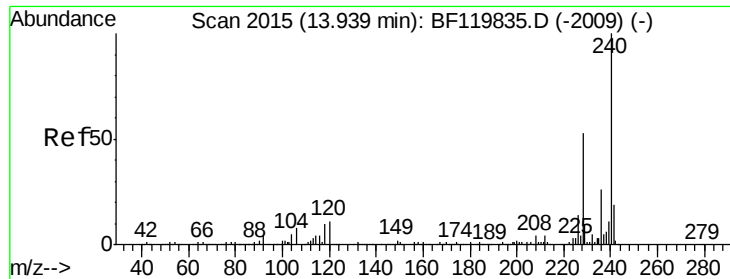
mohammad
 4/24/2020 4:18:08 AM



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF120148.D
 Acq: 23 Apr 2020 2:56

Tgt Ion:188 Resp: 479774
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.5 11.3
 80 8.6 9.0 13.4#





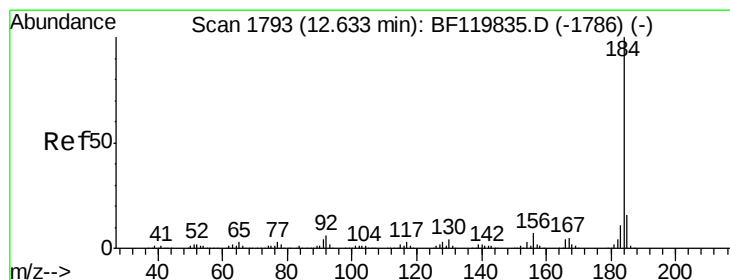
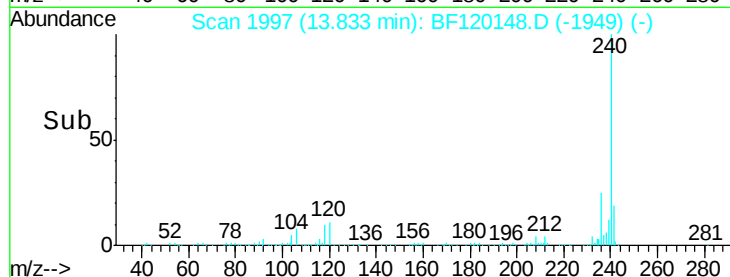
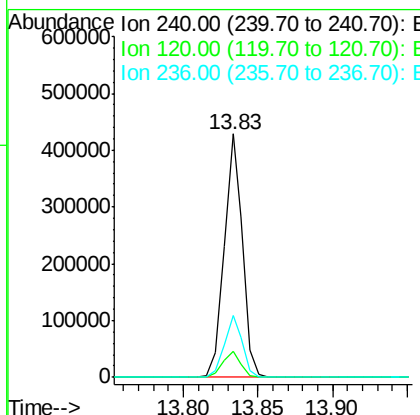
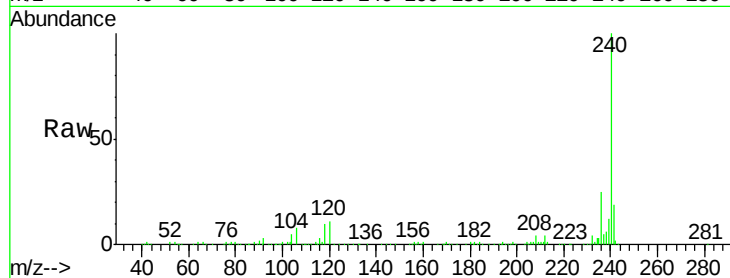
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF120148.D
Acq: 23 Apr 2020 2:56

Instrument :
BNA_F
ClientSampled :
TP-6-S

Tgt Ion:240 Resp: 369073
Ion Ratio Lower Upper
240 100
120 10.9 10.6 15.8
236 25.2 20.2 30.2

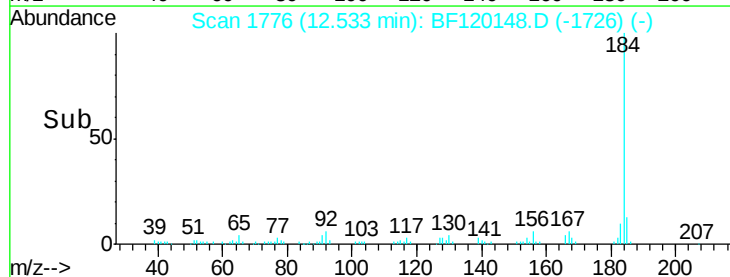
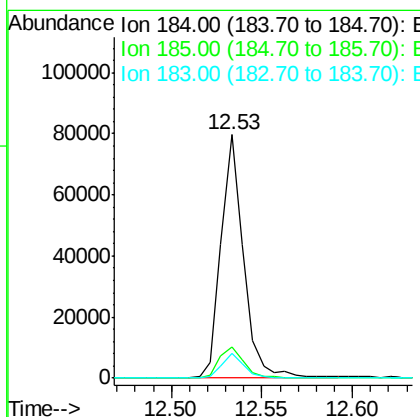
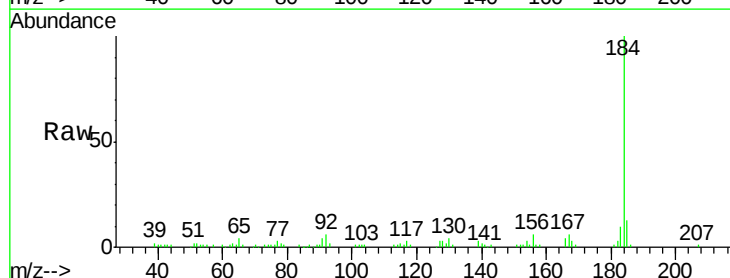
Manual Integrations
APPROVED

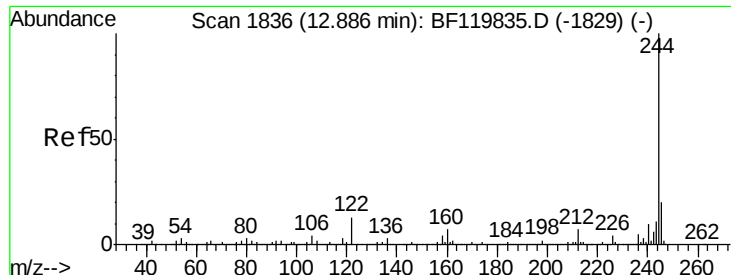
mohammad
4/24/2020 4:18:08 AM



#77
Benzidine
Concen: 5.54 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF120148.D
Acq: 23 Apr 2020 2:56

Tgt Ion:184 Resp: 69117
Ion Ratio Lower Upper
184 100
185 12.6 12.3 18.5
183 10.3 9.0 13.6





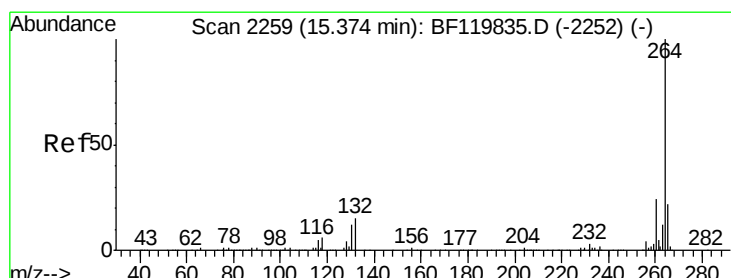
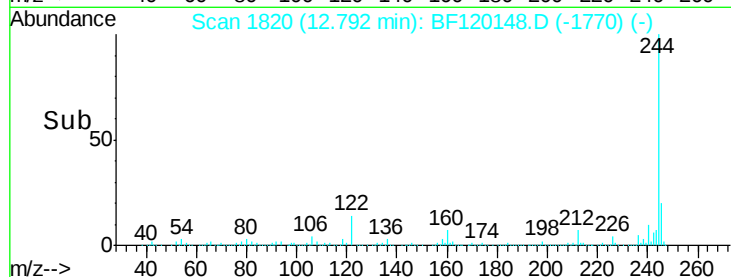
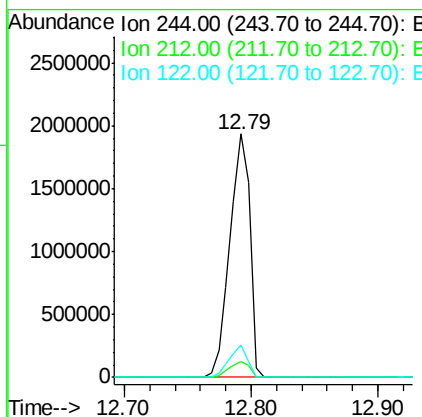
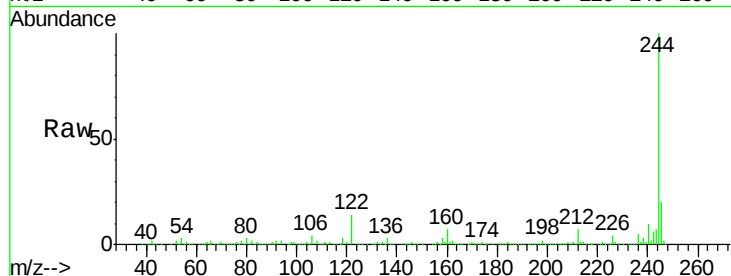
#79
 Terphenyl-d14
 Concen: 95.38 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF120148.D
 Acq: 23 Apr 2020 2:56

Instrument :
 BNA_F
 ClientSampled :
 TP-6-S

Tgt Ion: 244 Resp: 2092101
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 13.5 10.3 15.5

Manual Integrations
 APPROVED

mohammad
 4/24/2020 4:18:08 AM



#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BF120148.D
 Acq: 23 Apr 2020 2:56

Tgt Ion: 264 Resp: 310961
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 22.1 17.7 26.5

