

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052820\
 Data File : BF120427.D
 Acq On : 29 May 2020 00:18
 Operator : MA/SJ
 Sample : L2746-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM9-COMP-2020-0-6

Manual Integrations
 APPROVED

mohammad
 5/29/2020 10:29:15 PM

Quant Time: May 29 05:48:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	213381	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	719645	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	318536	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	560562	20.00	ng	0.00
76) Chrysene-d12	14.00	240	526408	20.00	ng	0.00
86) Perylene-d12	15.45	264	461621	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	635499	56.76	ng	0.00
7) Phenol-d6	6.46	99	755118	54.72	ng	0.00
23) Nitrobenzene-d5	7.40	82	444050	40.36	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	171397	58.07	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	855649	45.58	ng	0.00
79) Terphenyl-d14	12.94	244	937573	39.63	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.59	163	104087	5.23	ng	99
71) Phenanthrene	11.38	178	70052	2.84	ng	97
75) Fluoranthene	12.57	202	187254	7.05	ng	99
78) Pyrene	12.80	202	177480	4.85	ng	99
81) Benzo(a)anthracene	13.99	228	109053	3.87	ng	94
83) Chrysene	14.02	228	90858	3.07	ng	97
88) Benzo(b)fluoranthene	15.03	252	113725m	4.44	ng	
90) Benzo(a)pyrene	15.39	252	76014	3.39	ng	97
92) Benzo(g,h,i)perylene	17.32	276	42505	2.09	ng	98

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

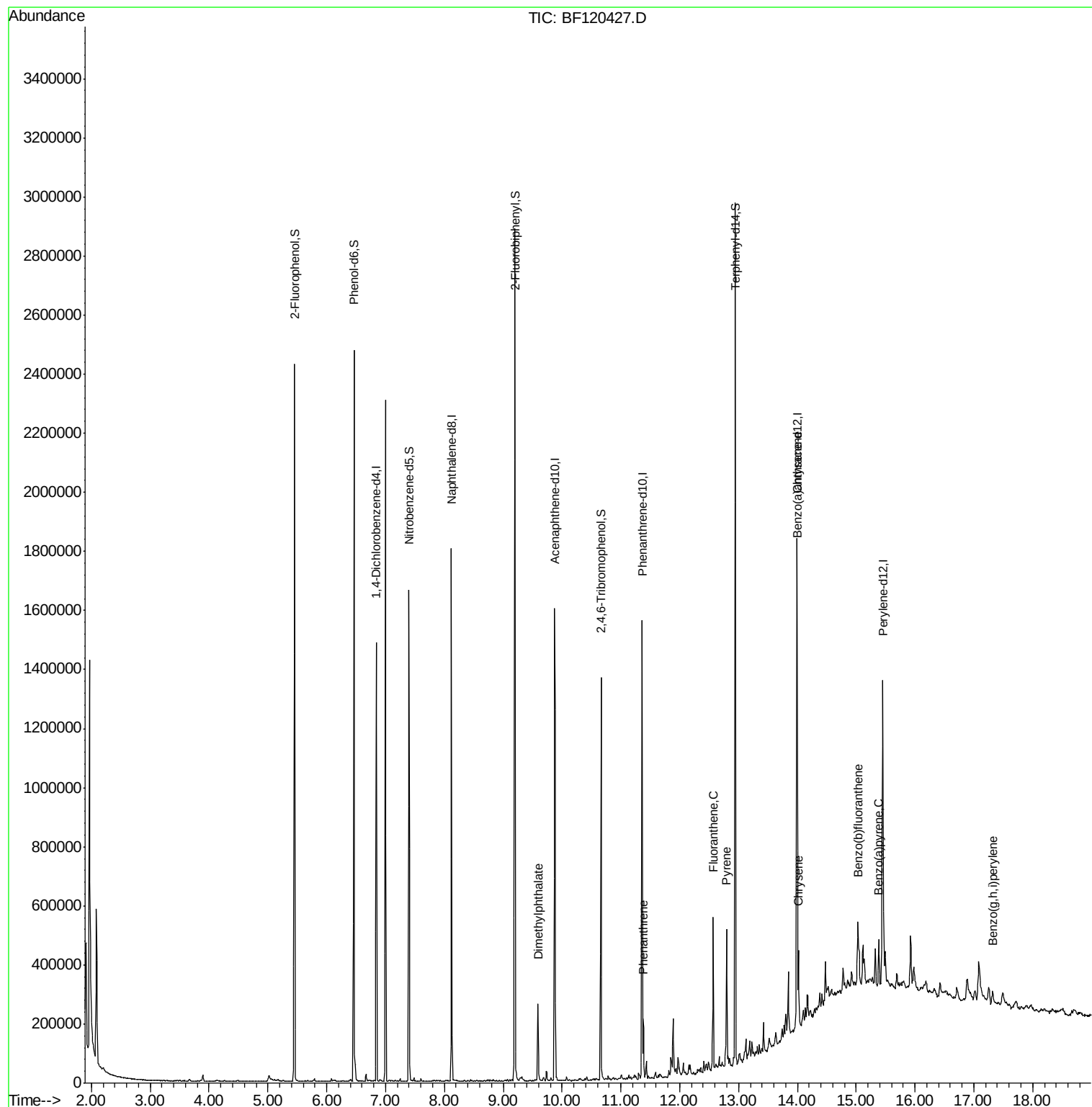
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052820\
Data File : BF120427.D
Acq On : 29 May 2020 00:18
Operator : MA/SJ
Sample : L2746-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

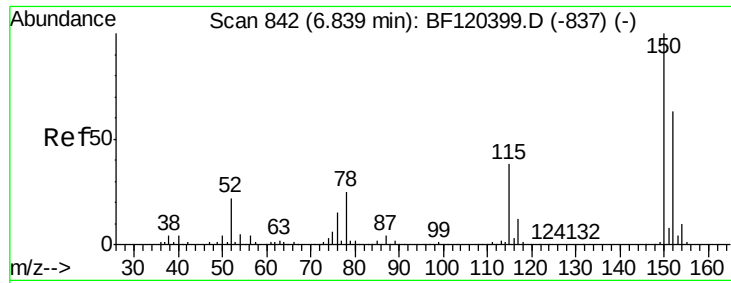
Instrument :
BNA_F
ClientSampleId :
NM9-COMP-2020-0-6

Manual Integrations
APPROVED

mohammad
5/29/2020 10:29:15 PM

Quant Time: May 29 05:48:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 28 13:47:54 2020
Response via : Initial Calibration





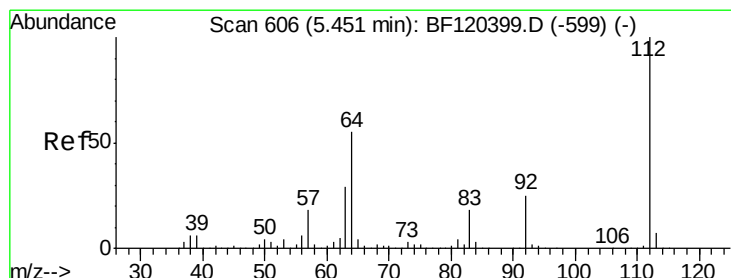
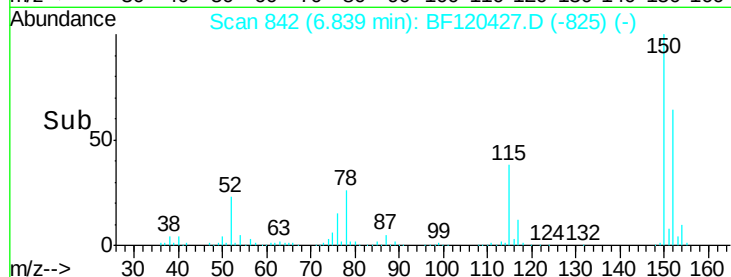
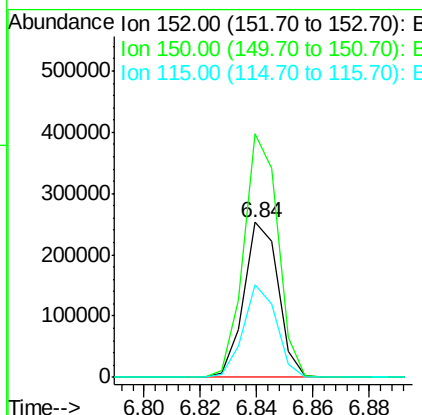
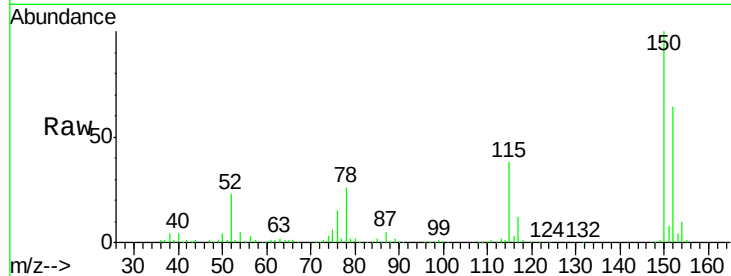
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

Instrument :
 BNA_F
 ClientSampleId :
 NM9-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	213381		
150	157.2	126.5	189.7	
115	59.9	47.6	71.4	

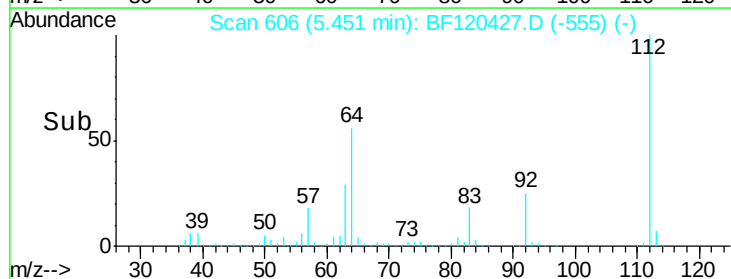
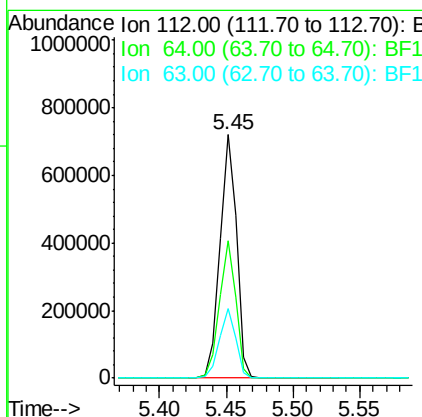
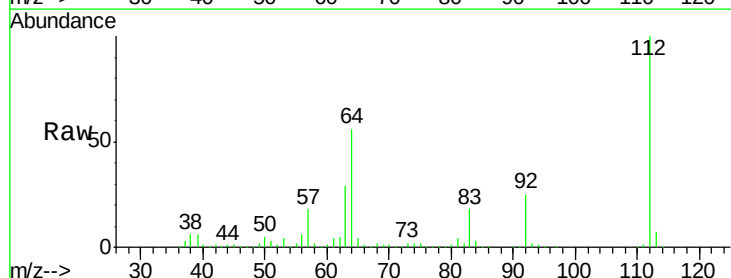
Manual Integrations
 APPROVED

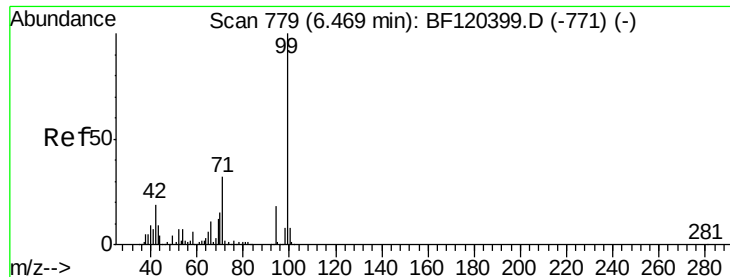
mohammad
 5/29/2020 10:29:15 PM



#5
 2-Fluorophenol
 Concen: 56.76 ng
 RT: 5.45 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	635499		
64	56.3	44.3	66.5	
63	28.6	22.9	34.3	





#7

Phenol-d6

Concen: 54.72 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

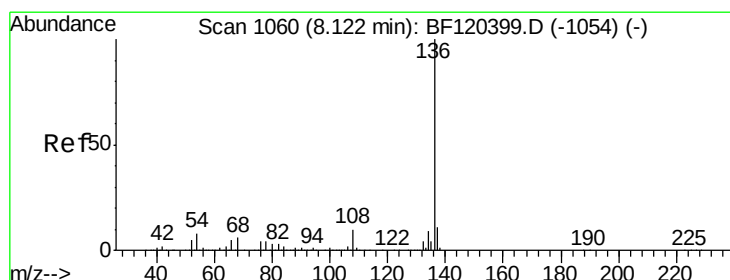
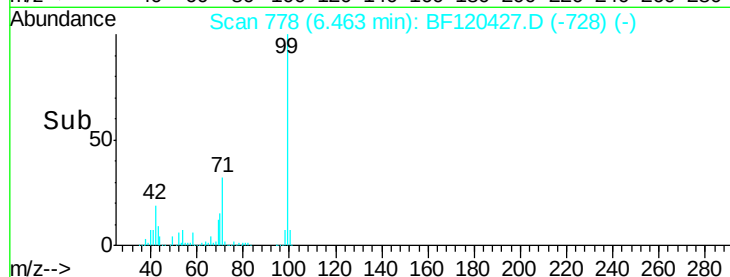
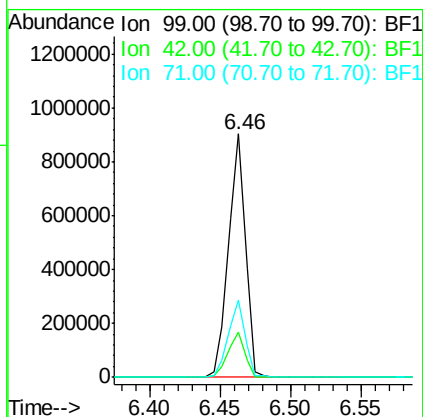
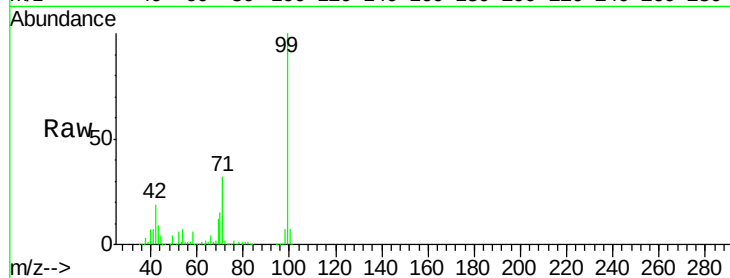
ClientSampleId :

NM9-COMP-2020-0-6

Tgt Ion:	99	Resp:	755118
Ion Ratio	Lower	Upper	
99	100		
42	18.6	15.2	22.8
71	32.0	25.6	38.4

Manual Integrations
APPROVED

mohammad
5/29/2020 10:29:15 PM



#21

Naphthalene-d8

Concen: 20.00 ng

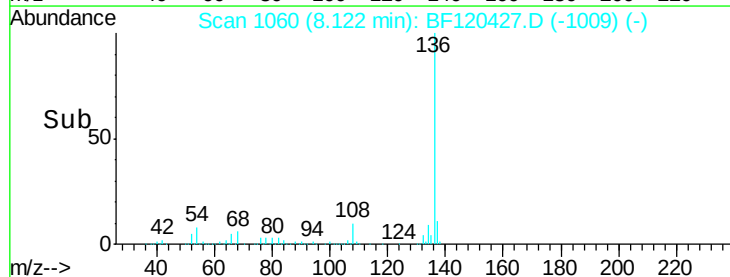
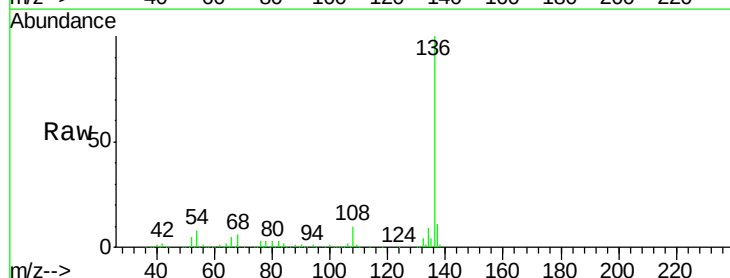
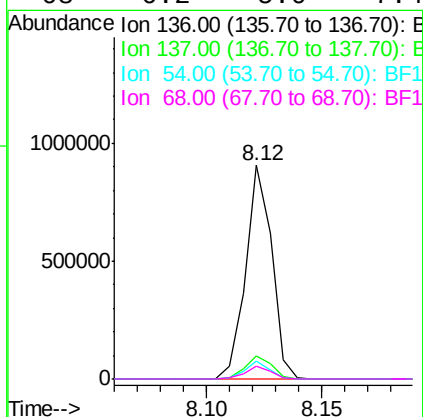
RT: 8.12 min Scan# 1060

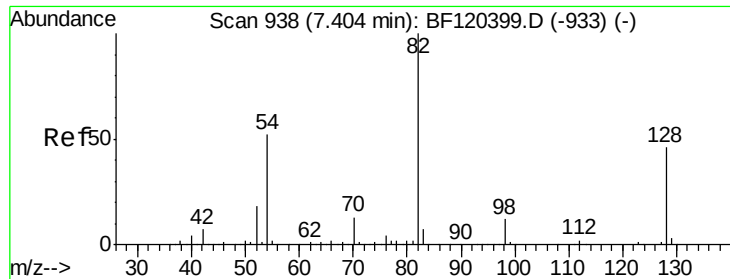
Delta R.T. 0.00 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Tgt Ion:	136	Resp:	719645
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	8.2	6.7	10.1
68	6.2	5.0	7.4





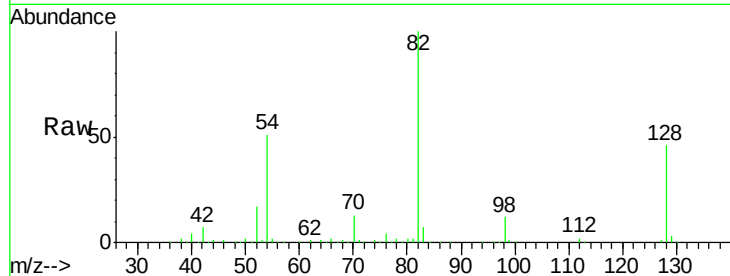
#23
 Nitrobenzene-d5
 Concen: 40.36 ng
 RT: 7.40 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

Instrument :
 BNA_F
 ClientSampleId :
 NM9-COMP-2020-0-6

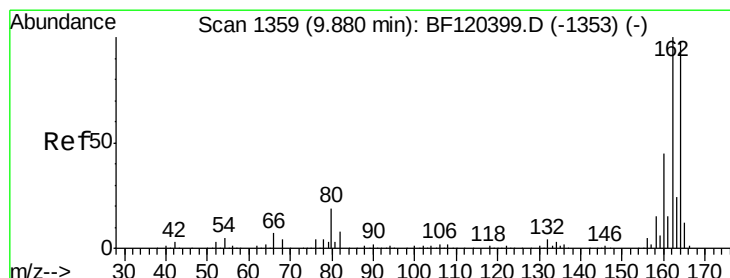
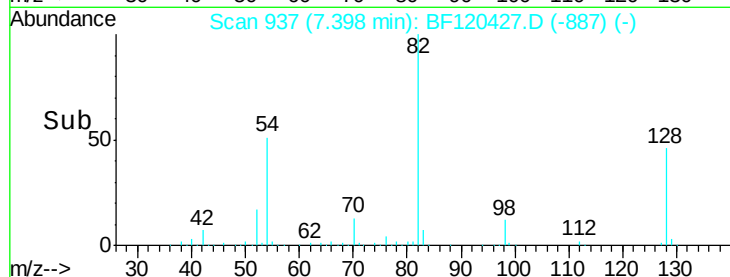
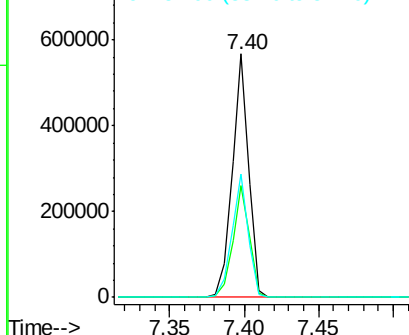
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	444050		
128	45.9	36.8	55.2	
54	50.8	41.6	62.4	

Manual Integrations
 APPROVED

mohammad
 5/29/2020 10:29:15 PM

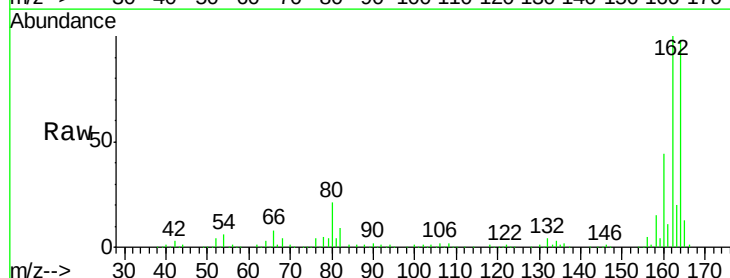


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

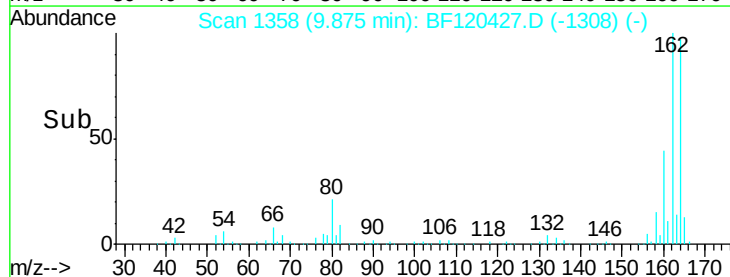
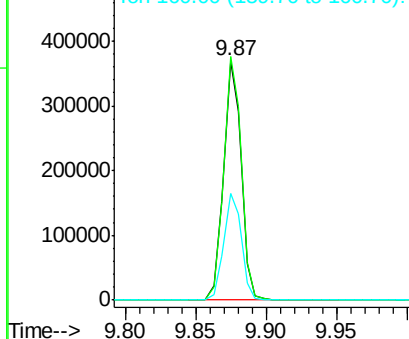


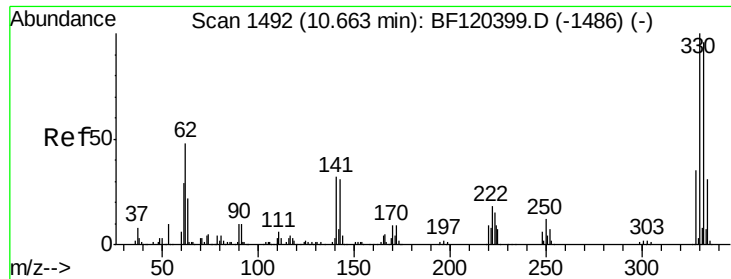
#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	318536		
162	102.1	81.3	121.9	
160	44.7	36.9	55.3	



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





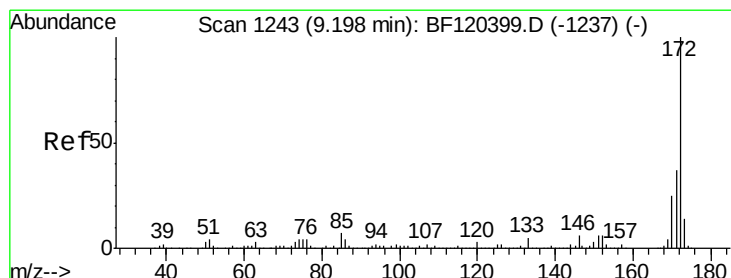
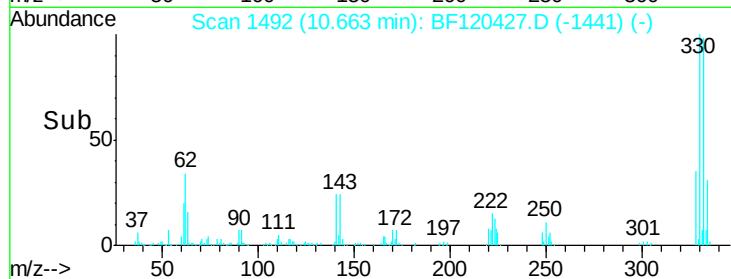
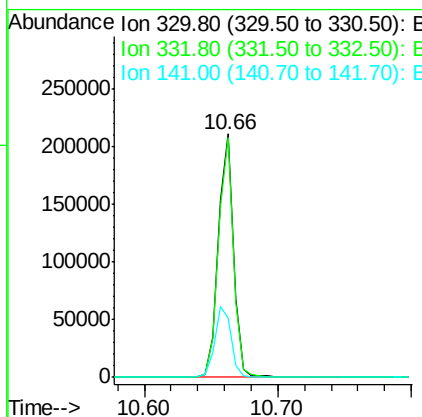
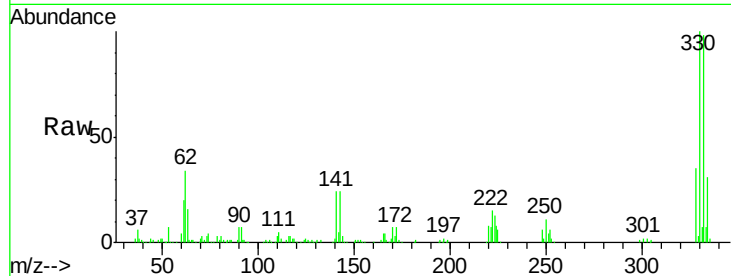
#42
 2,4,6-Tribromophenol
 Concen: 58.07 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

Instrument :
 BNA_F
 ClientSampleId :
 NM9-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	171397		
332	97.2	77.0	115.6	
141	31.1	25.3	37.9	

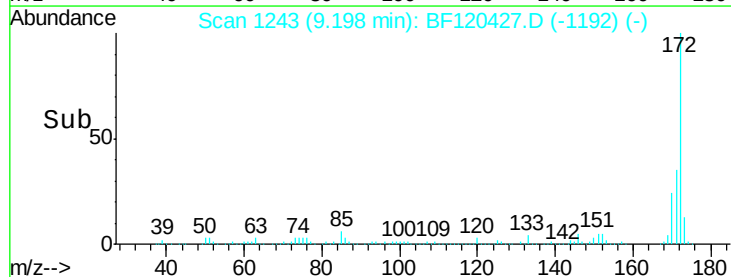
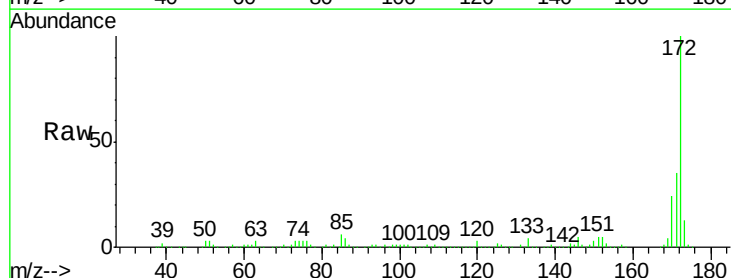
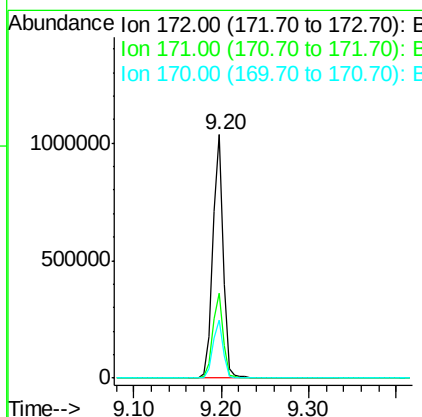
Manual Integrations
 APPROVED

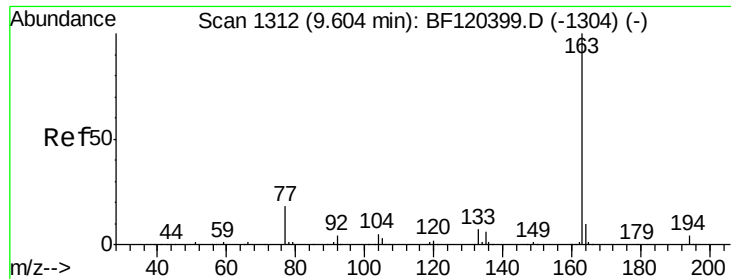
mohammad
 5/29/2020 10:29:15 PM



#45
 2-Fluorobiphenyl
 Concen: 45.58 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	855649		
171	34.8	29.7	44.5	
170	23.8	19.9	29.9	





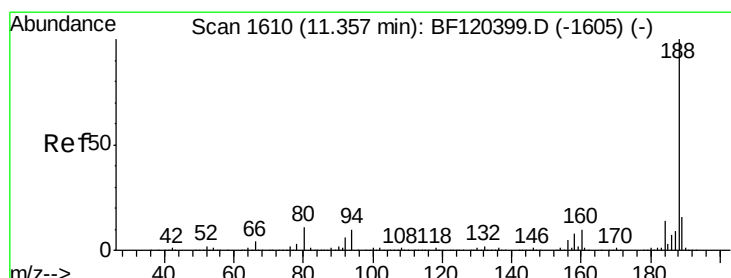
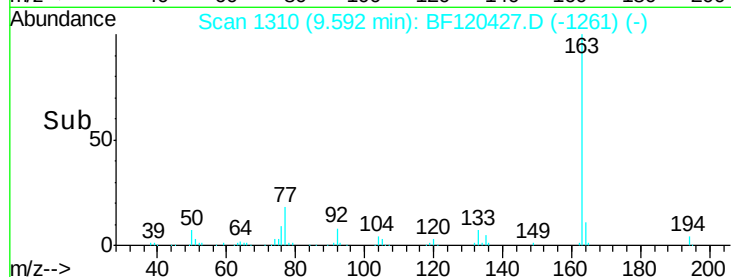
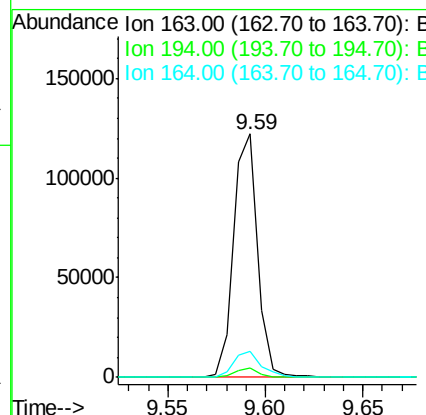
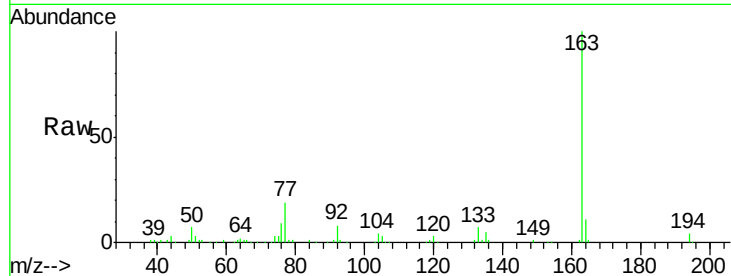
#50
Dimethylphthalate
Concen: 5.23 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Instrument :
BNA_F
ClientSampleId :
NM9-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	104087		
194	4.0	3.3	4.9	
164	10.7	8.3	12.5	

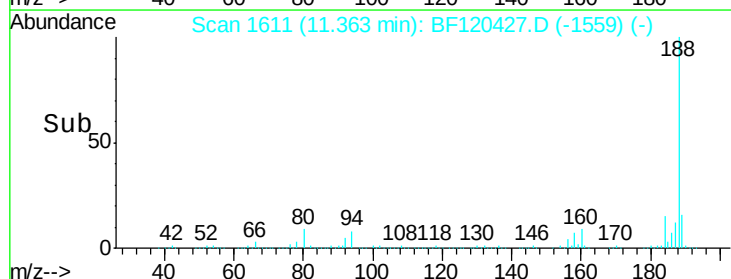
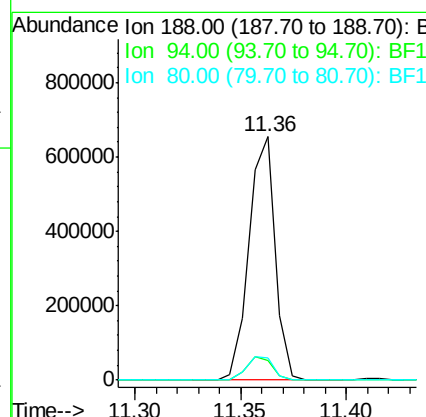
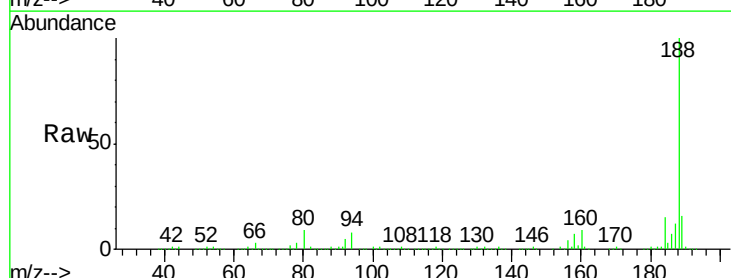
Manual Integrations
APPROVED

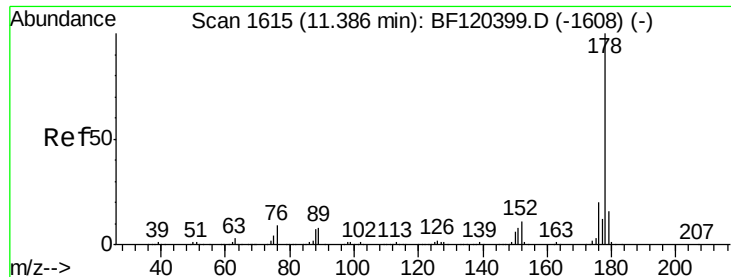
mohammad
5/29/2020 10:29:15 PM



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	560562		
94	8.2	7.9	11.9	
80	8.9	8.6	13.0	





#71

Phenanthrene

Concen: 2.84 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

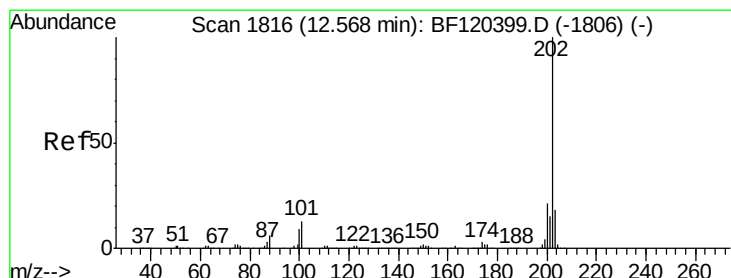
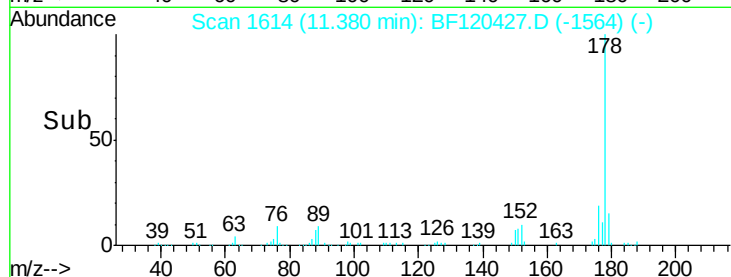
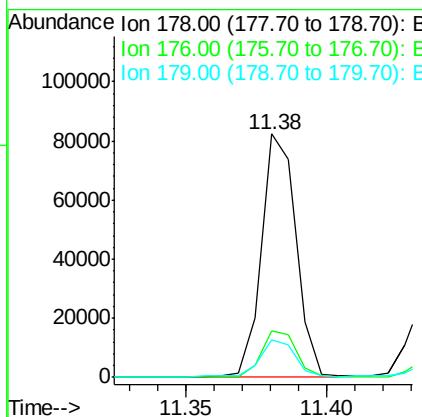
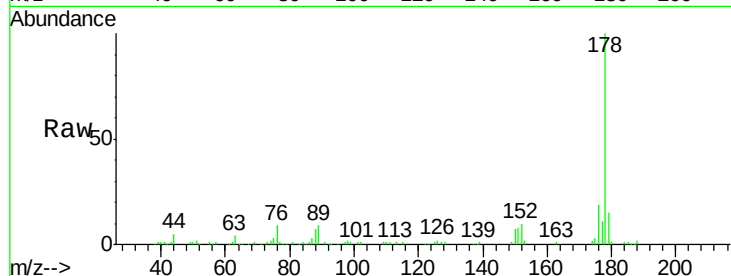
ClientSampleId :

NM9-COMP-2020-0-6

Tgt Ion:	178	Resp:	70052
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.4	24.6
179	15.4	13.0	19.4

Manual Integrations
APPROVED

mohammad
5/29/2020 10:29:15 PM



#75

Fluoranthene

Concen: 7.05 ng

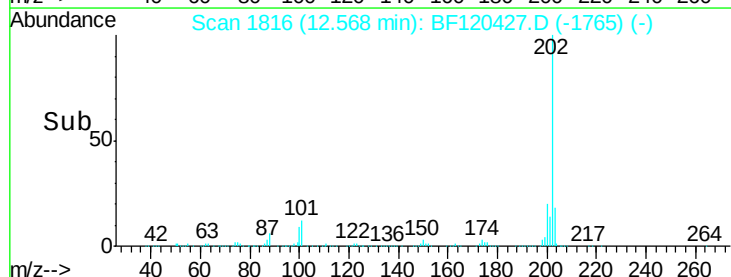
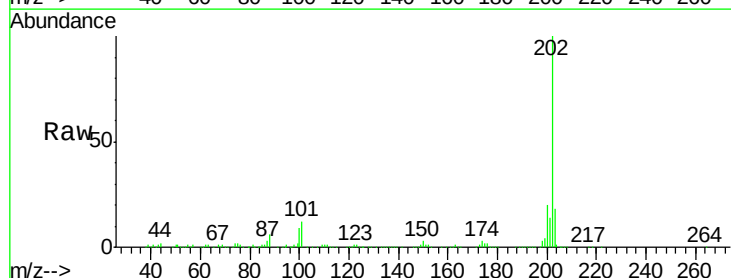
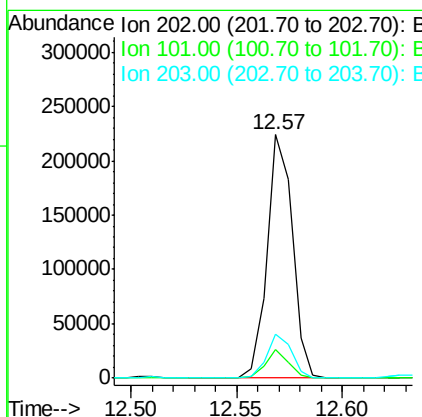
RT: 12.57 min Scan# 1816

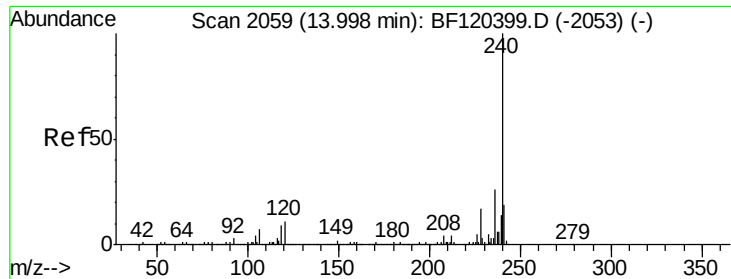
Delta R.T. 0.00 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Tgt Ion:	202	Resp:	187254
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	32.6
203	18.1	0.0	38.4





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

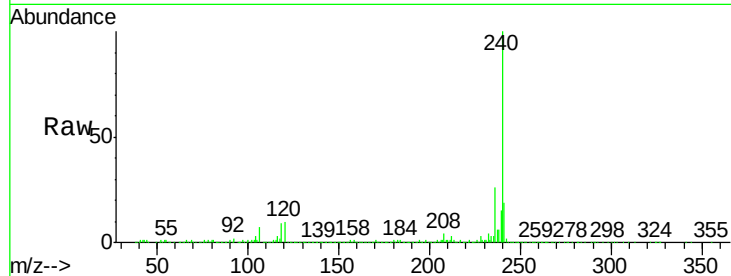
ClientSampleId :

NM9-COMP-2020-0-6

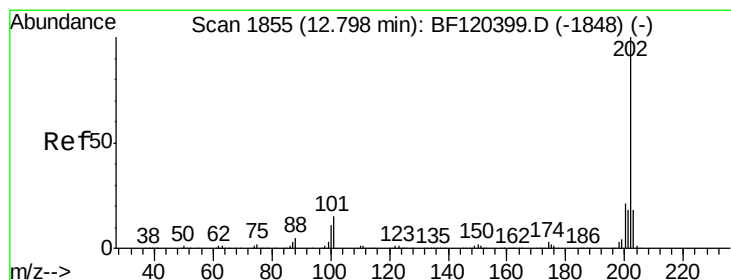
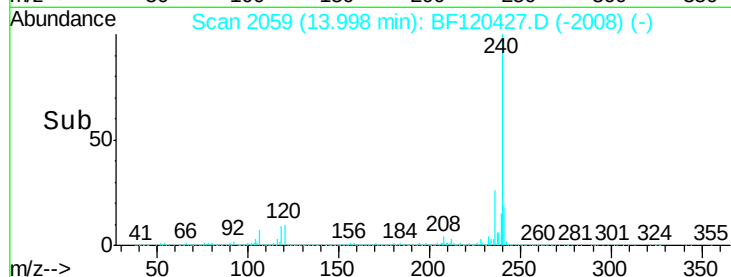
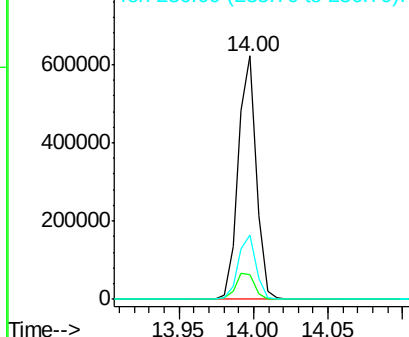
Tgt Ion:	240	Resp:	526408
Ion Ratio	Lower	Upper	
240	100		
120	10.3	8.8	13.2
236	26.3	21.0	31.4

Manual Integrations
APPROVED

mohammad
5/29/2020 10:29:15 PM



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

Pyrene

Concen: 4.85 ng

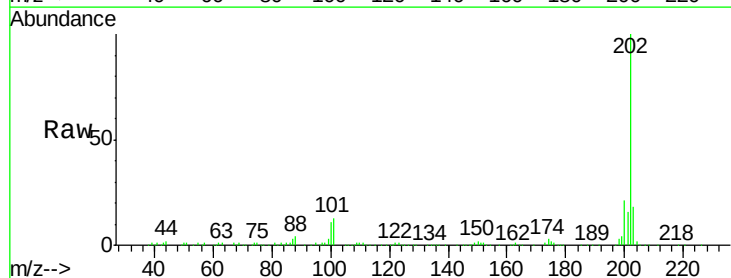
RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

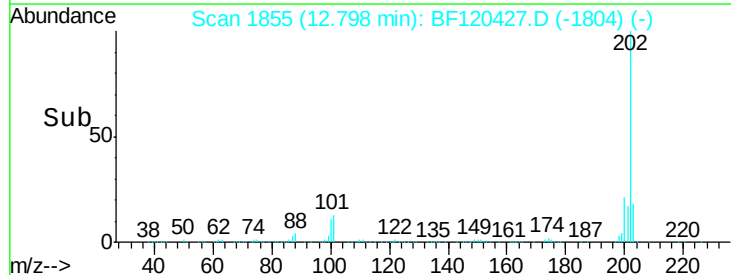
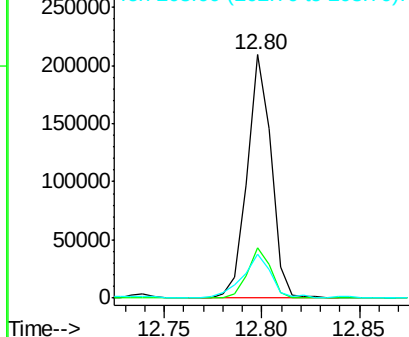
Lab File: BF120427.D

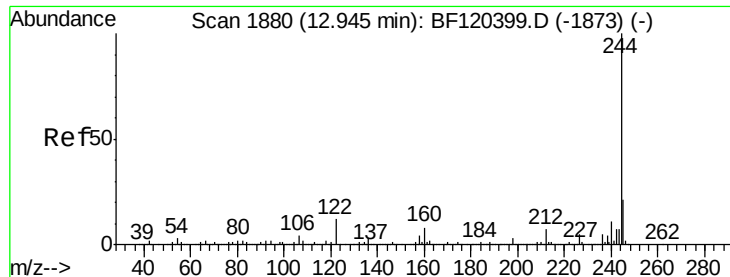
Acq: 29 May 2020 00:18

Tgt Ion:	202	Resp:	177480
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.0	25.4
203	18.1	14.7	22.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 39.63 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

ClientSampleId :

NM9-COMP-2020-0-6

Tgt Ion:244 Resp: 937573

Ion Ratio Lower Upper

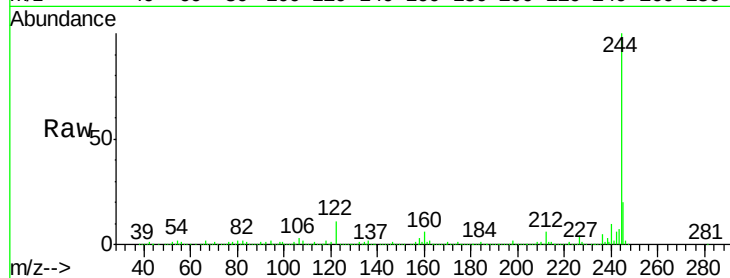
244 100

212 6.4 5.9 8.9

122 10.6 9.2 13.8

Manual Integrations
APPROVED

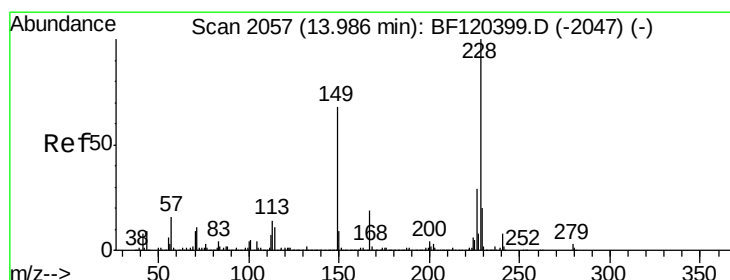
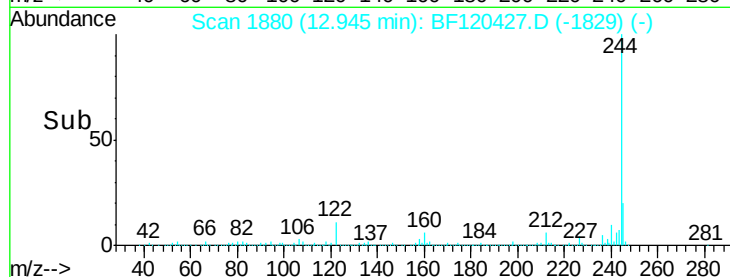
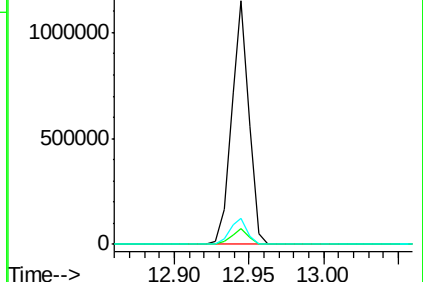
mohammad
5/29/2020 10:29:15 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.87 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

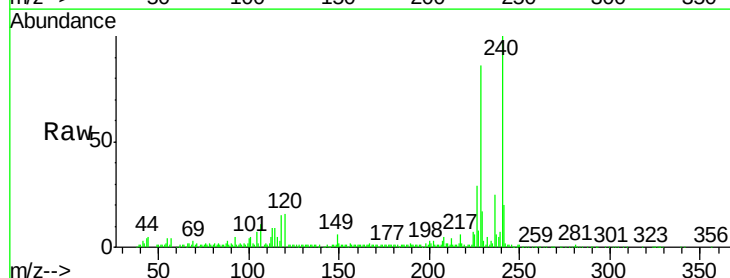
Tgt Ion:228 Resp: 109053

Ion Ratio Lower Upper

228 100

226 33.6 23.0 34.4

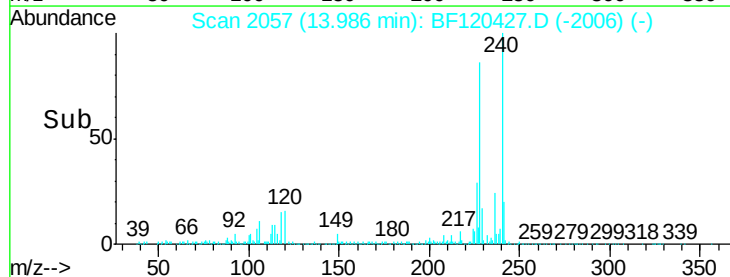
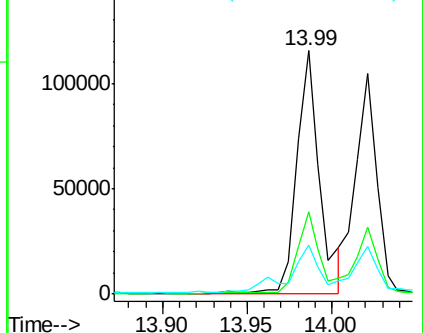
229 20.1 16.2 24.4

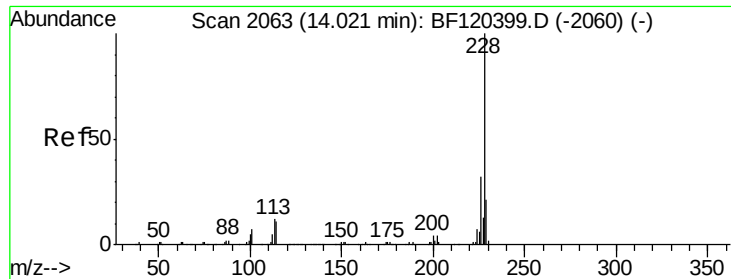


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





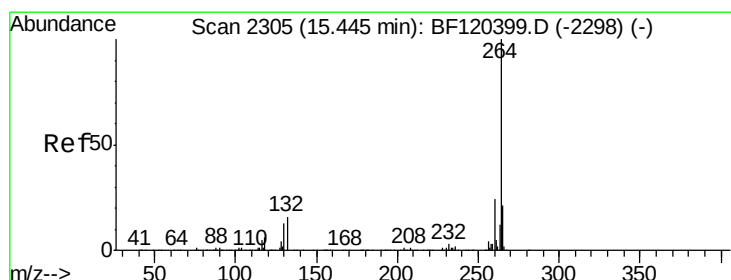
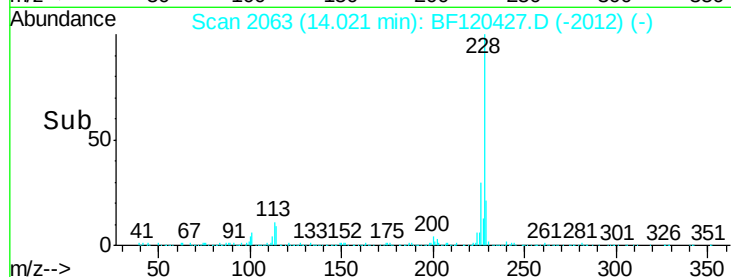
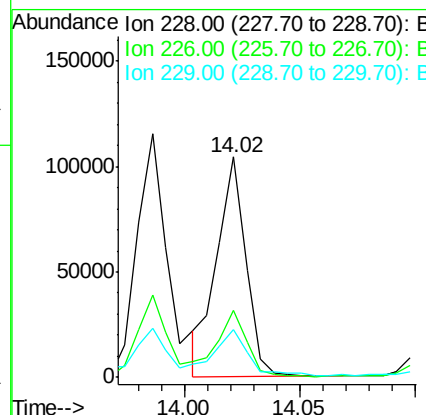
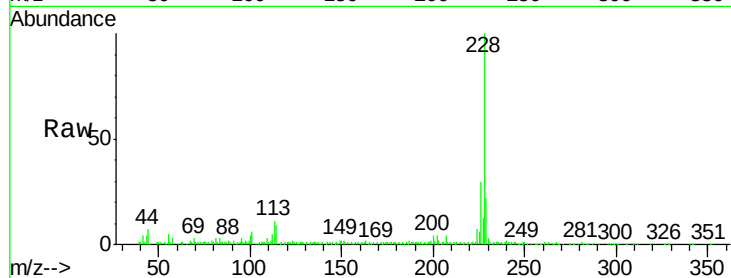
#83
Chrysene
Concen: 3.07 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Instrument :
BNA_F
ClientSampleId :
NM9-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.6	38.4
229	21.8	16.6	25.0

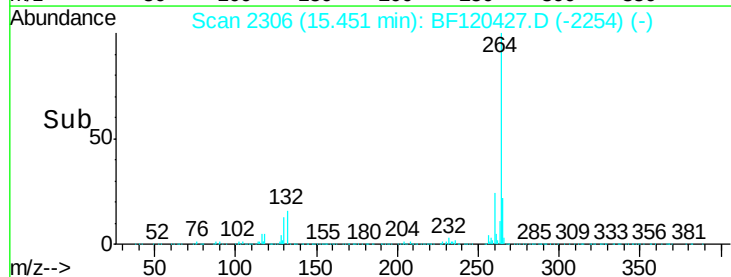
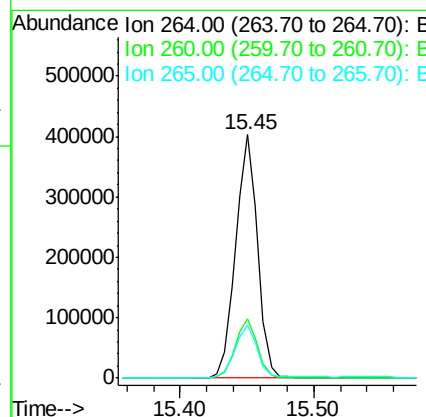
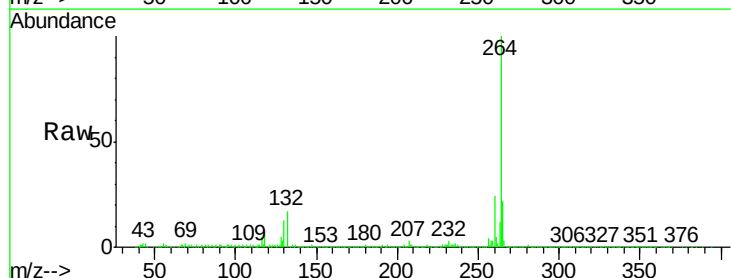
Manual Integrations
APPROVED

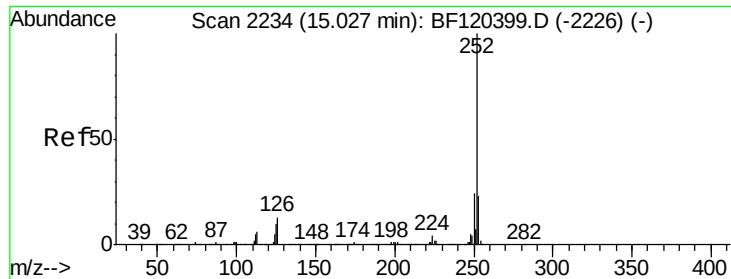
mohammad
5/29/2020 10:29:15 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	16.9	25.3





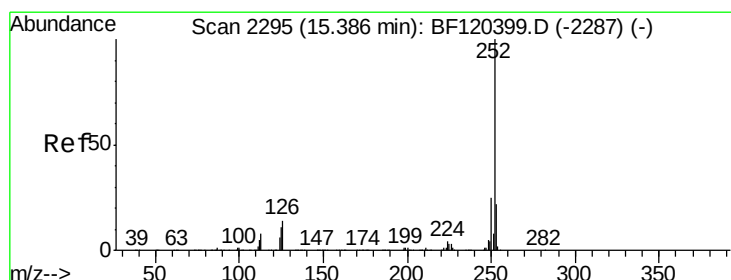
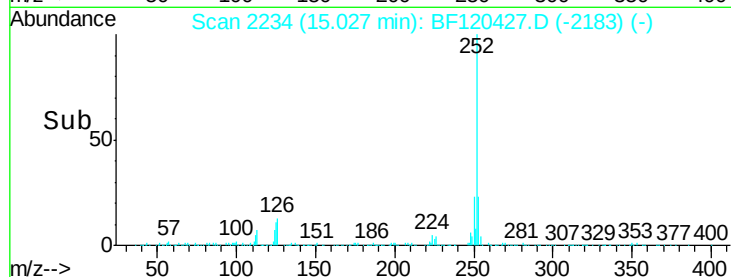
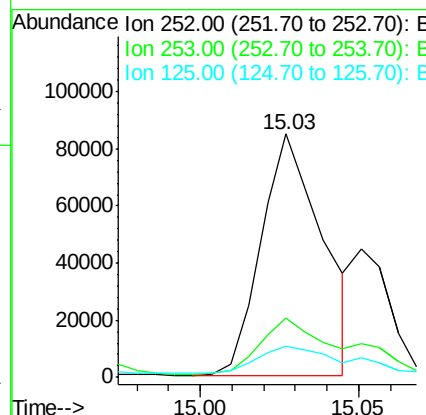
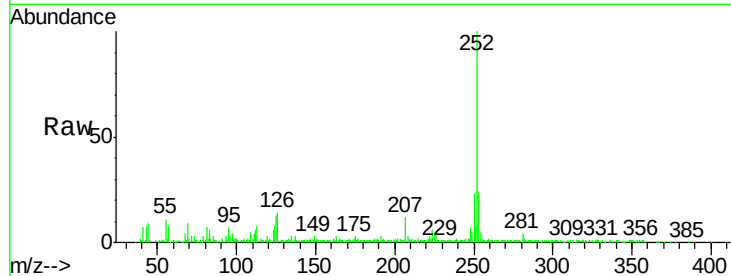
#88
Benzo(b)fluoranthene
Concen: 4.44 ng m
RT: 15.03 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Instrument :
BNA_F
ClientSampleId :
NM9-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	12.6	7.8	11.8

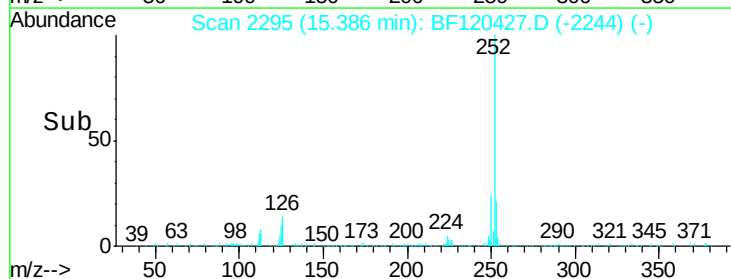
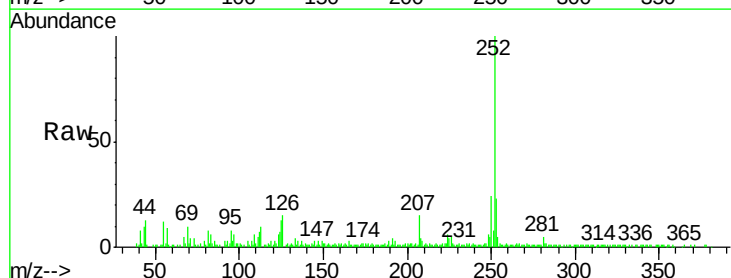
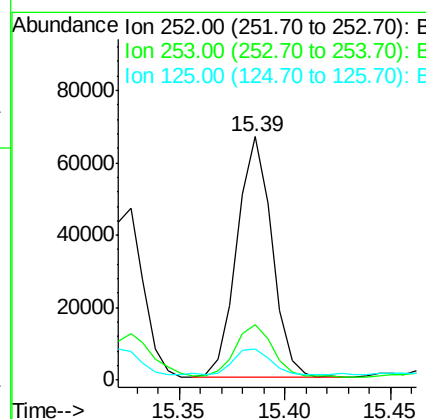
Manual Integrations
APPROVED

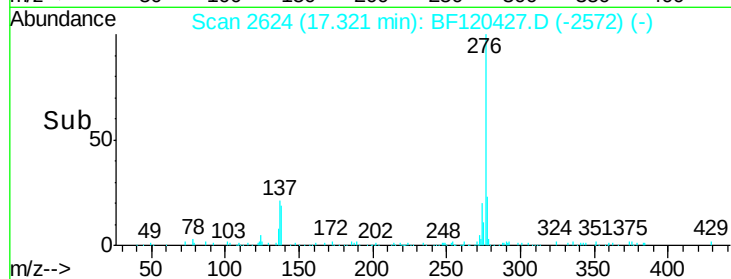
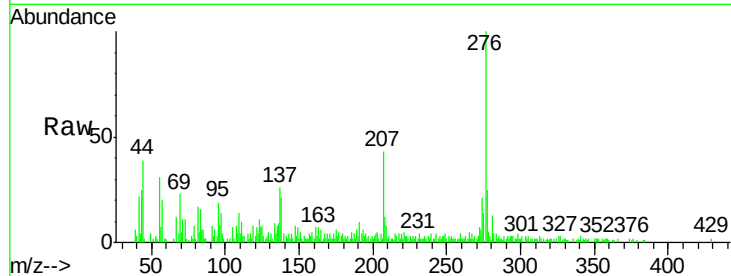
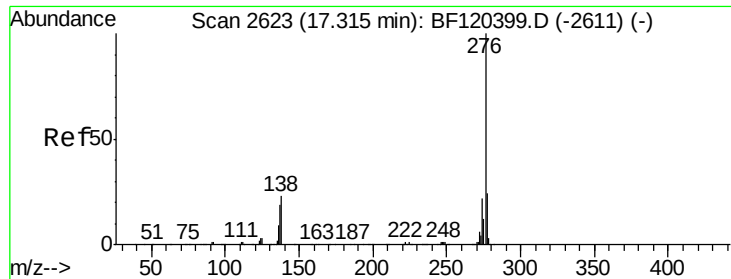
mohammad
5/29/2020 10:29:15 PM



#90
Benzo(a)pyrene
Concen: 3.39 ng
RT: 15.39 min Scan# 2295
Delta R.T. 0.00 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	12.7	8.7	13.1





#92

Benzo(g,h,i)perylene

Concen: 2.09 ng

RT: 17.32 min Scan# 2624

Delta R.T. 0.01 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

ClientSampleId :

NM9-COMP-2020-0-6

Tgt Ion:	276	Resp:	42505
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.5	29.3
138	21.5	18.1	27.1

Manual Integrations
APPROVED

mohammad
5/29/2020 10:29:15 PM

