

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052820\
 Data File : BF120428.D
 Acq On : 29 May 2020 00:46
 Operator : MA/SJ
 Sample : L2744-20 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM50-COMP-2020-0-6

Manual Integrations
 APPROVED

mohammad
 5/29/2020 10:29:17 PM

Quant Time: May 29 05:54:48 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	255861	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	875389	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	383734	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	641946	20.00	ng	0.00
76) Chrysene-d12	14.00	240	554526	20.00	ng	0.00
86) Perylene-d12	15.45	264	468883	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	555491	41.38	ng	0.00
7) Phenol-d6	6.46	99	671188	40.56	ng	0.00
23) Nitrobenzene-d5	7.40	82	393762	29.42	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	141561	39.82	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	776960	34.35	ng	0.00
79) Terphenyl-d14	12.94	244	734418	29.47	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	117541	4.90	ng	99
71) Phenanthrene	11.38	178	104588	3.70	ng	98
75) Fluoranthene	12.57	202	238172	7.83	ng	98
78) Pyrene	12.80	202	241077	6.25	ng	99
81) Benzo(a)anthracene	13.99	228	146075	4.92	ng	98
83) Chrysene	14.02	228	142044m	4.56	ng	
87) Indeno(1,2,3-cd)pyrene	16.88	276	58344	2.28	ng	96
88) Benzo(b)fluoranthene	15.03	252	159694m	6.13	ng	
90) Benzo(a)pyrene	15.39	252	105790	4.64	ng	98
92) Benzo(g,h,i)perylene	17.32	276	55009	2.67	ng	97

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

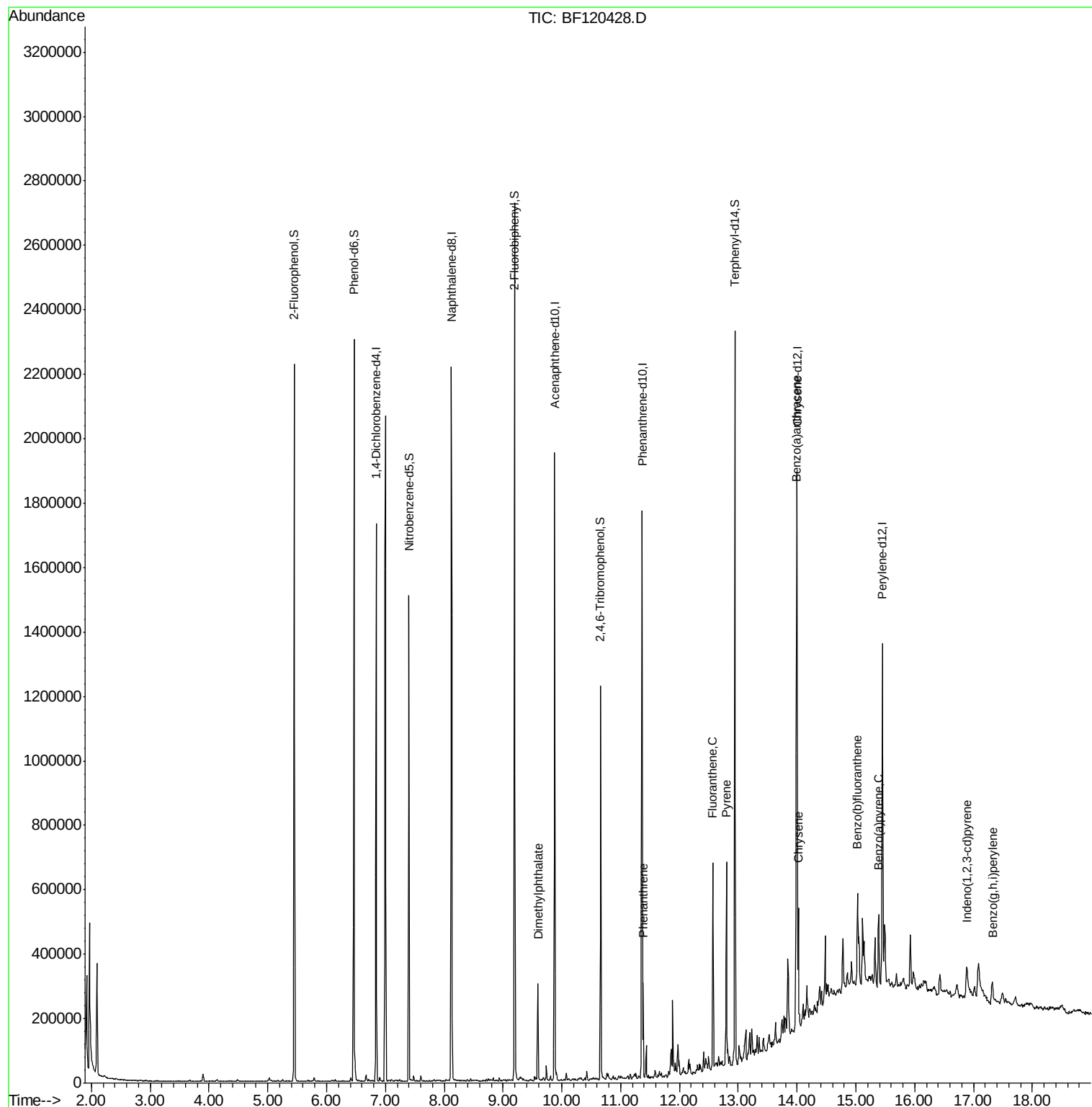
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052820\
Data File : BF120428.D
Acq On : 29 May 2020 00:46
Operator : MA/SJ
Sample : L2744-20 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

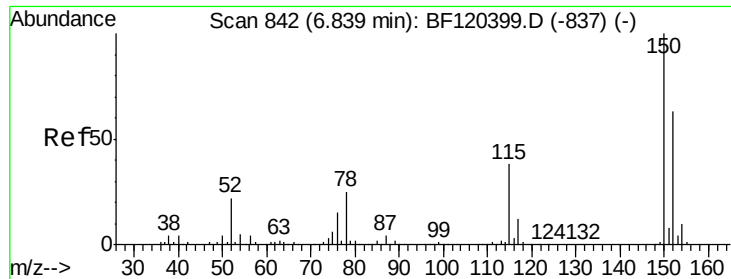
Instrument :
BNA_F
ClientSampleId :
NM50-COMP-2020-0-6

Manual Integrations
APPROVED

mohammad
5/29/2020 10:29:17 PM

Quant Time: May 29 05:54:48 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





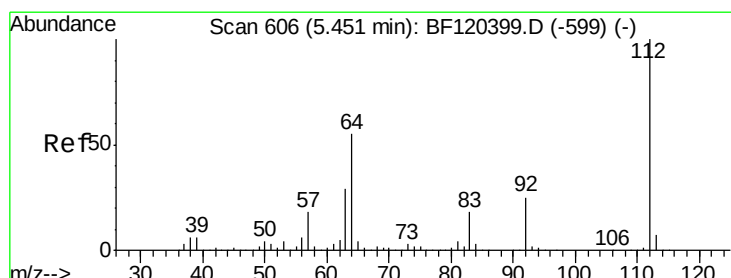
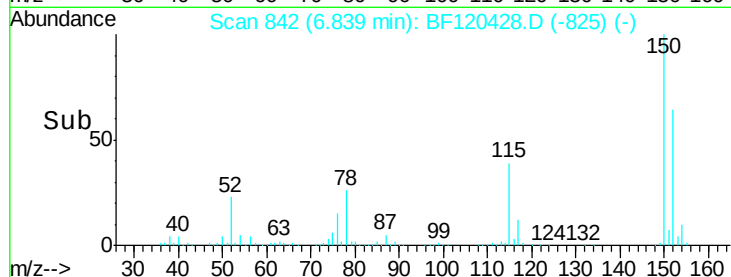
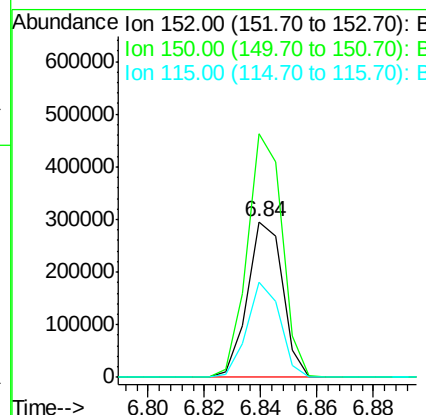
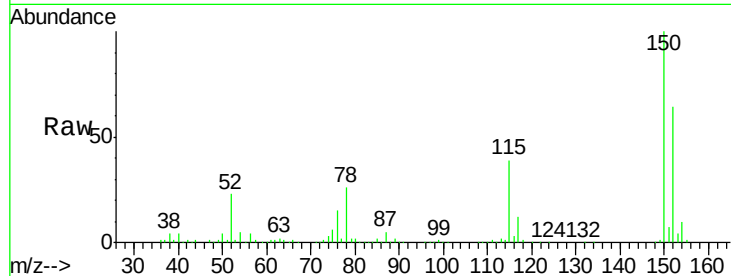
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Instrument :
 BNA_F
 ClientSampleId :
 NM50-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	255861		
150	156.8	126.5	189.7	
115	61.0	47.6	71.4	

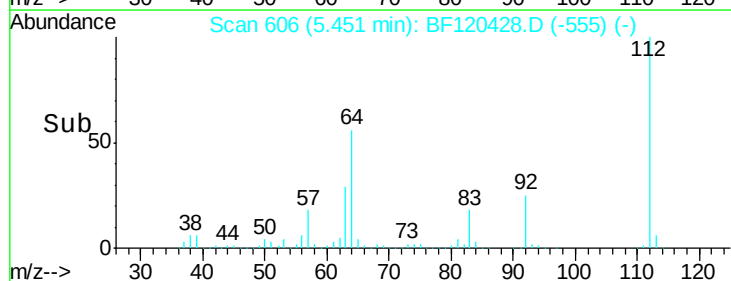
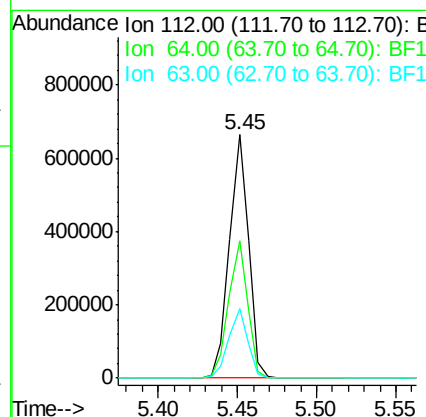
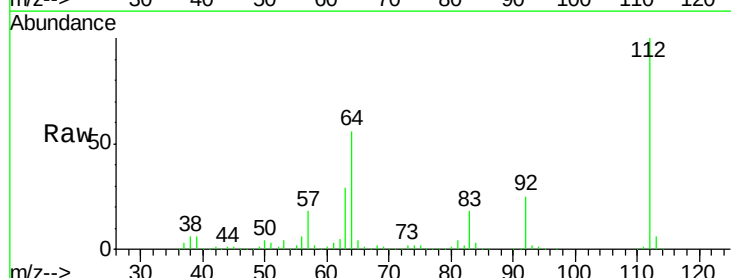
Manual Integrations
 APPROVED

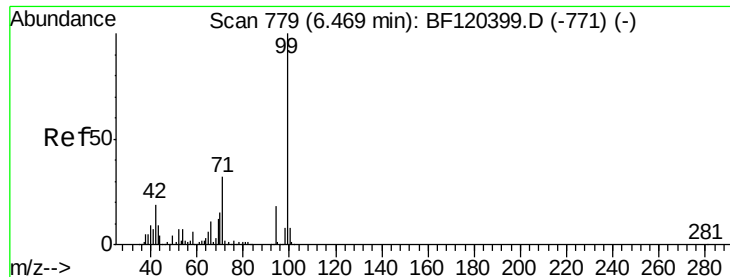
mohammad
 5/29/2020 10:29:17 PM



#5
 2-Fluorophenol
 Concen: 41.38 ng
 RT: 5.45 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	555491		
64	56.5	44.3	66.5	
63	28.5	22.9	34.3	





#7

Phenol-d6

Concen: 40.56 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

Instrument :

BNA_F

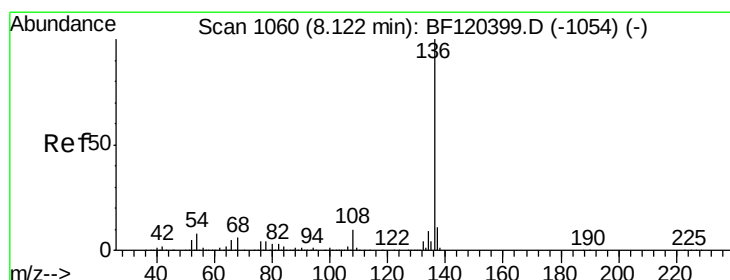
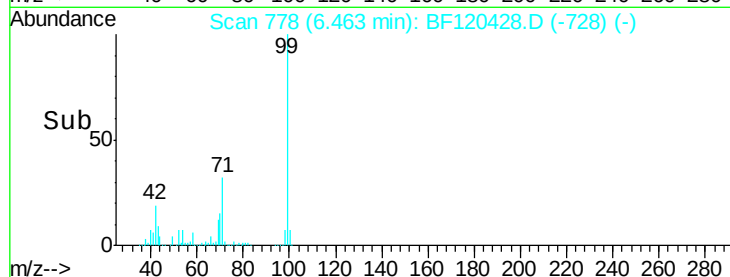
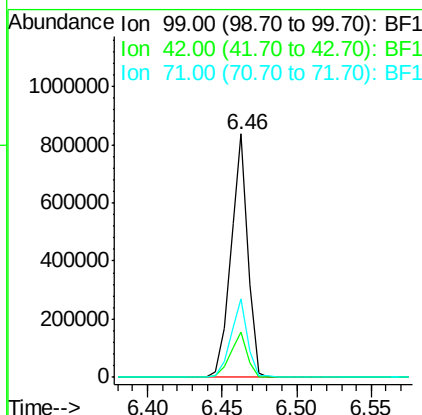
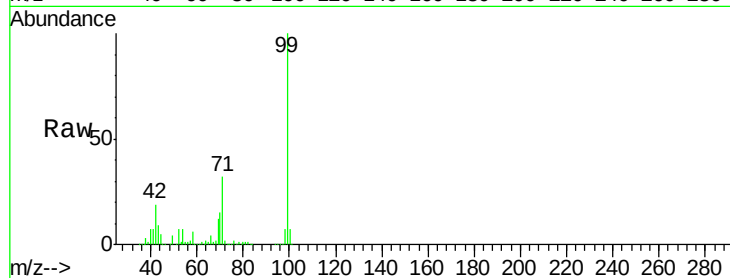
ClientSampleId :

NM50-COMP-2020-0-6

Tgt Ion:	99	Resp:	671188
Ion Ratio	Lower	Upper	
99	100		
42	18.5	15.2	22.8
71	32.0	25.6	38.4

Manual Integrations
APPROVED

mohammad
5/29/2020 10:29:17 PM



#21

Naphthalene-d8

Concen: 20.00 ng

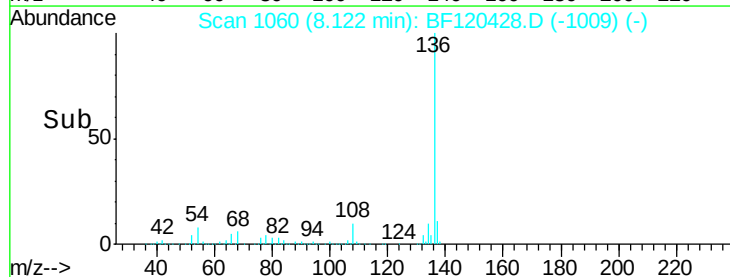
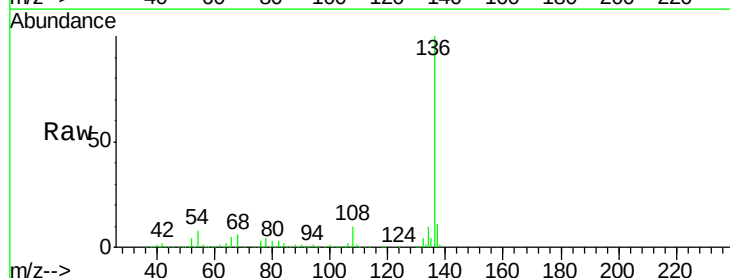
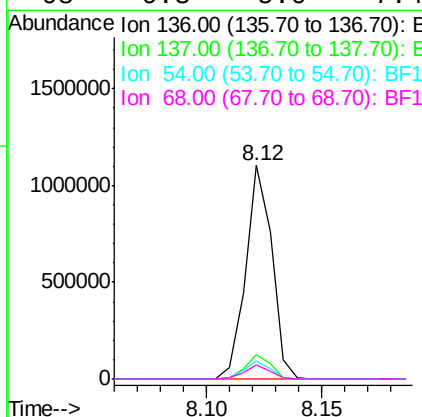
RT: 8.12 min Scan# 1060

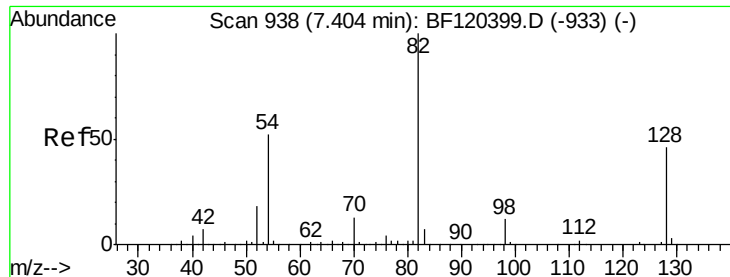
Delta R.T. 0.00 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

Tgt Ion:	136	Resp:	875389
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	8.2	6.7	10.1
68	6.3	5.0	7.4





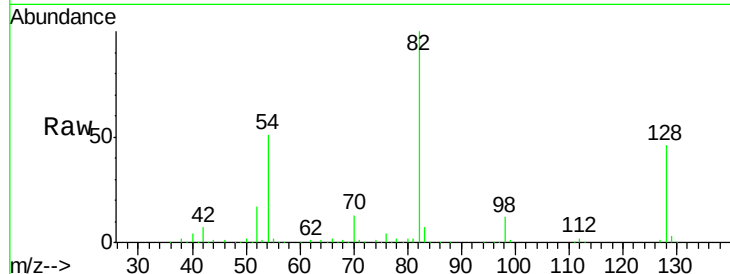
#23
 Nitrobenzene-d5
 Concen: 29.42 ng
 RT: 7.40 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Instrument :
 BNA_F
 ClientSampleId :
 NM50-COMP-2020-0-6

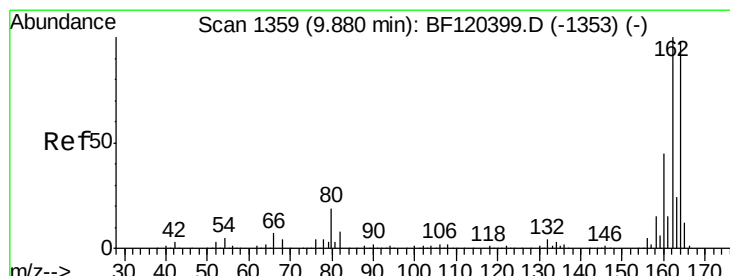
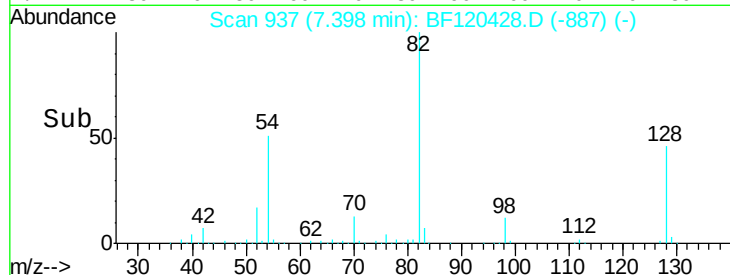
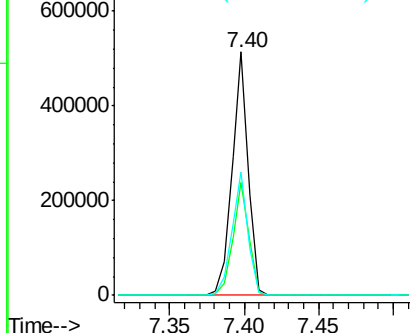
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	393762		
128	46.5	36.8	55.2	
54	50.7	41.6	62.4	

Manual Integrations
 APPROVED

mohammad
 5/29/2020 10:29:17 PM

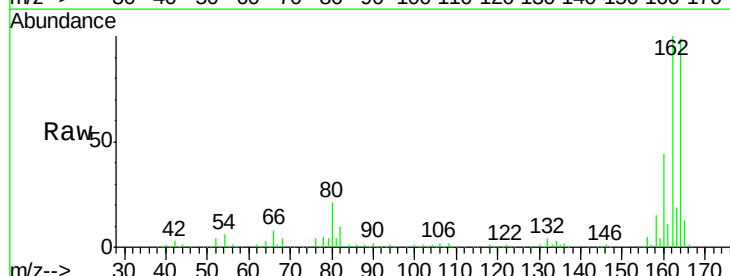


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

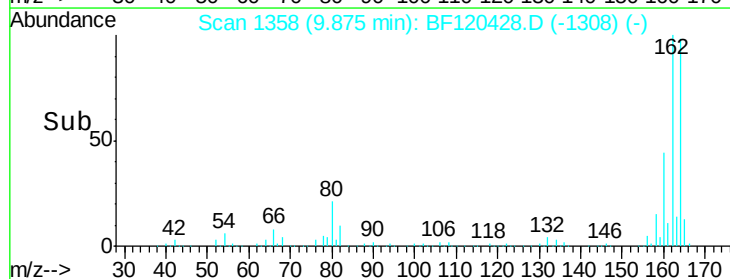
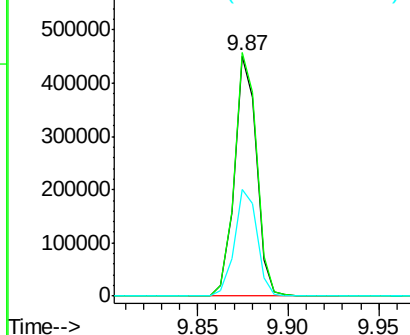


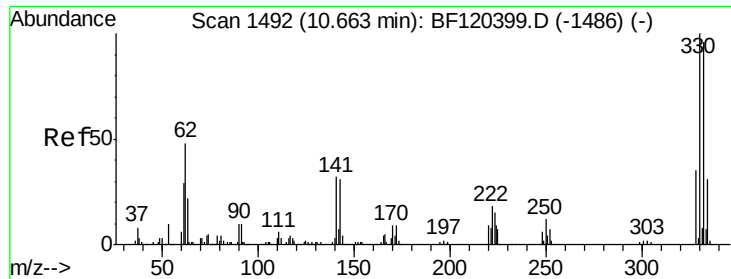
#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	383734		
162	101.5	81.3	121.9	
160	44.3	36.9	55.3	



Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1





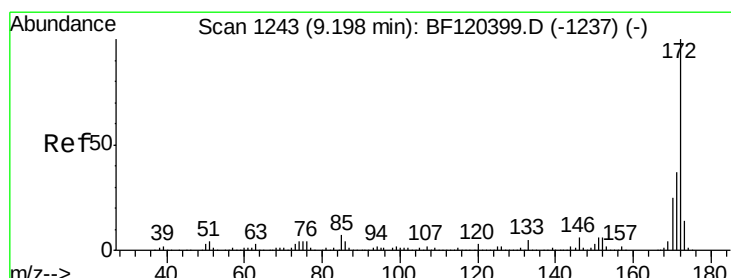
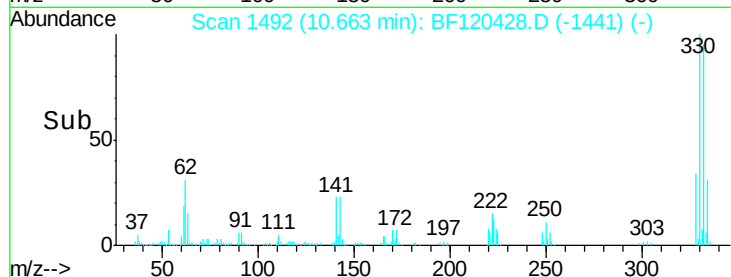
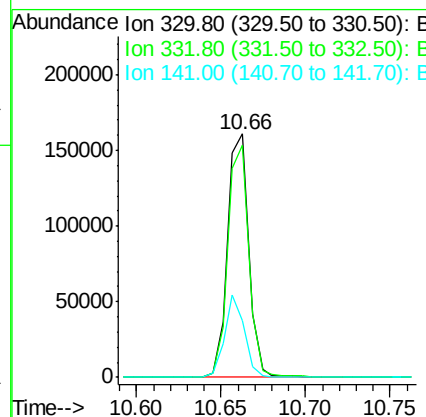
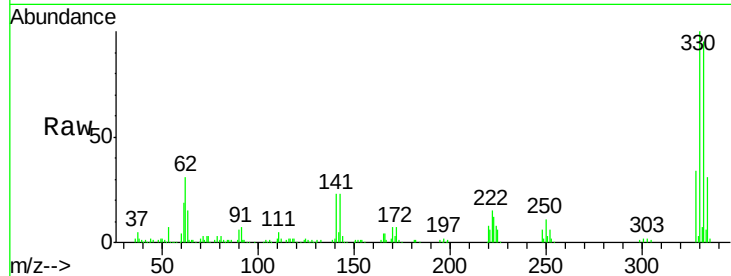
#42
 2,4,6-Tribromophenol
 Concen: 39.82 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Instrument :
 BNA_F
 ClientSampleId :
 NM50-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	141561		
332	94.7	77.0	115.6	
141	31.5	25.3	37.9	

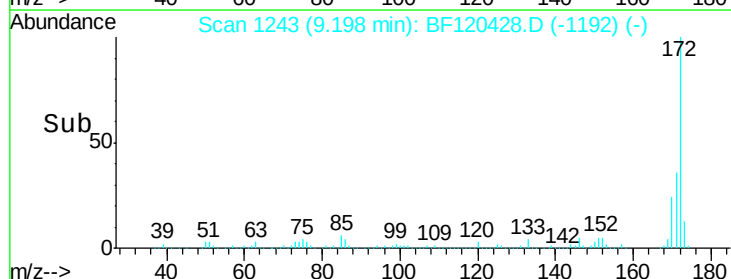
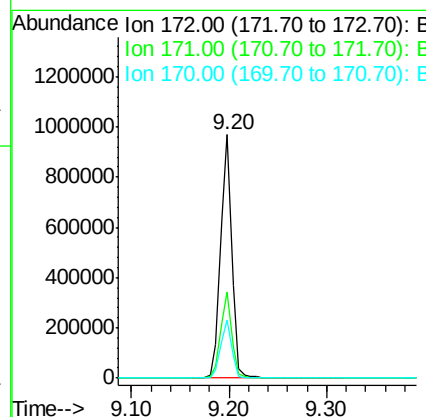
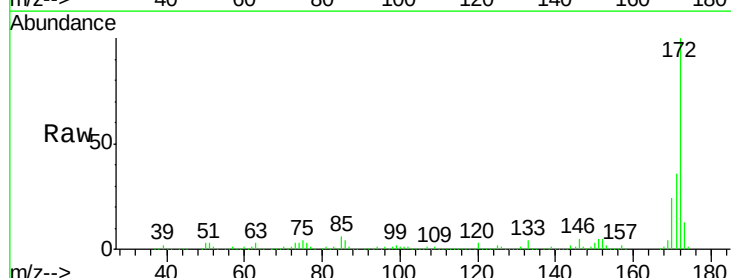
Manual Integrations
 APPROVED

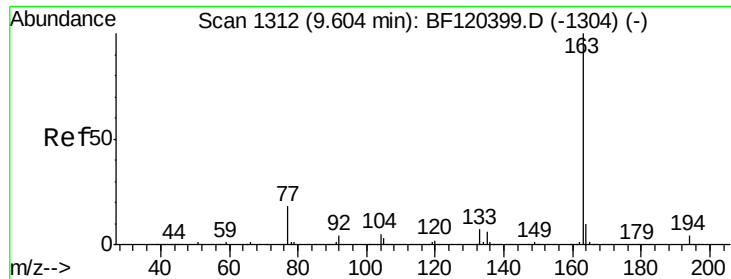
mohammad
 5/29/2020 10:29:17 PM



#45
 2-Fluorobiphenyl
 Concen: 34.35 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	776960		
171	35.6	29.7	44.5	
170	23.9	19.9	29.9	





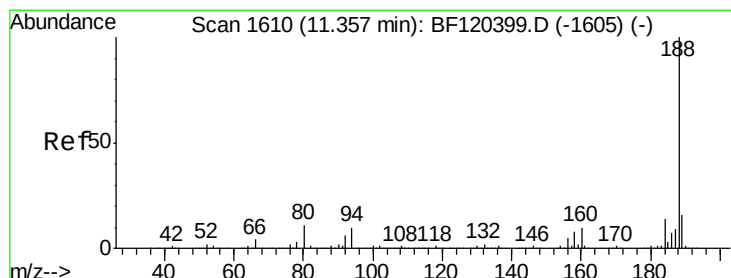
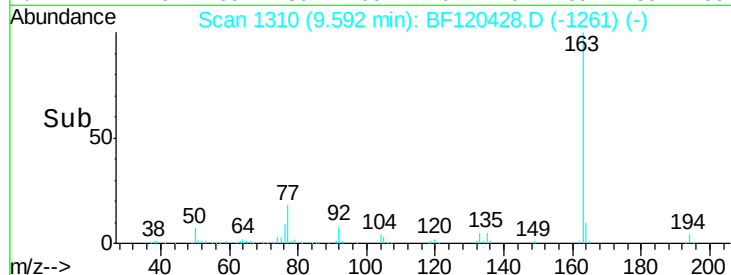
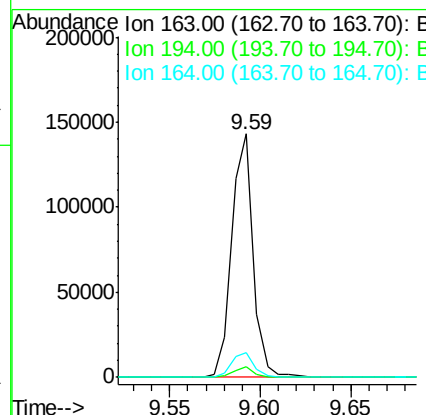
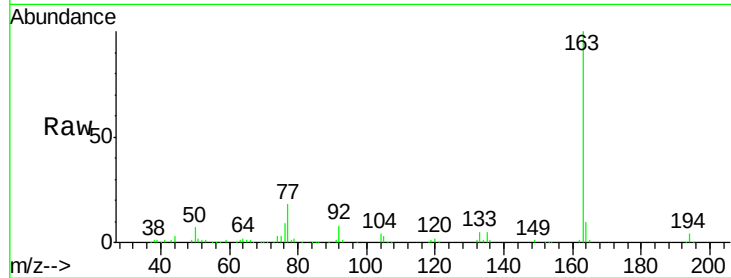
#50
Dimethylphthalate
Concen: 4.90 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Instrument :
BNA_F
ClientSampleId :
NM50-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	117541		
194	4.2	3.3	4.9	
164	10.0	8.3	12.5	

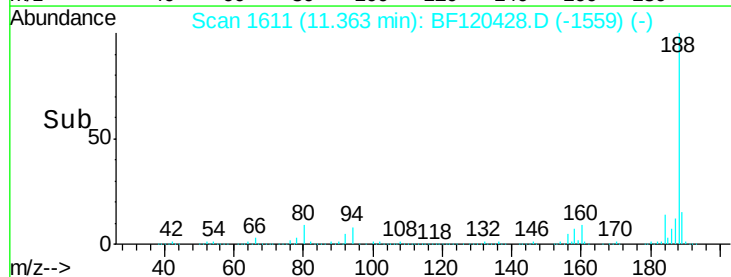
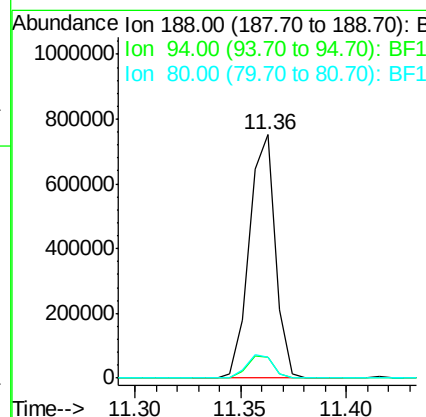
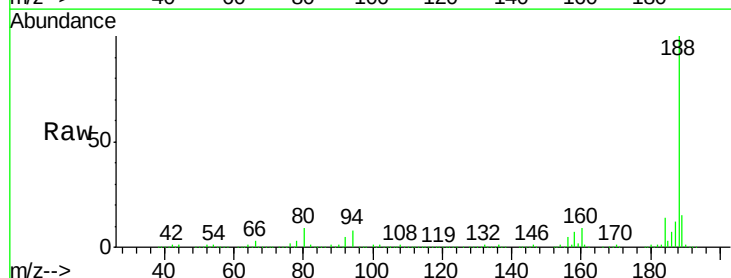
Manual Integrations
APPROVED

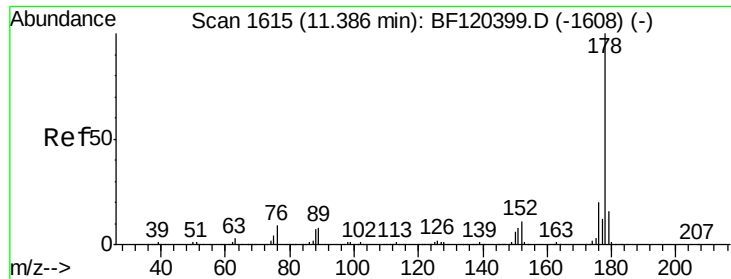
mohammad
5/29/2020 10:29:17 PM



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	641946		
94	8.4	7.9	11.9	
80	8.7	8.6	13.0	





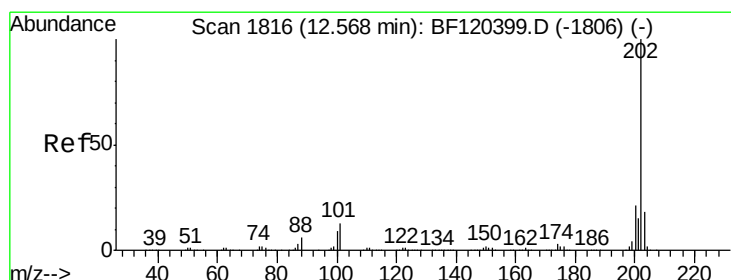
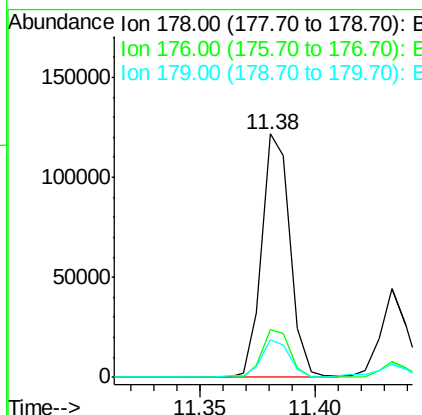
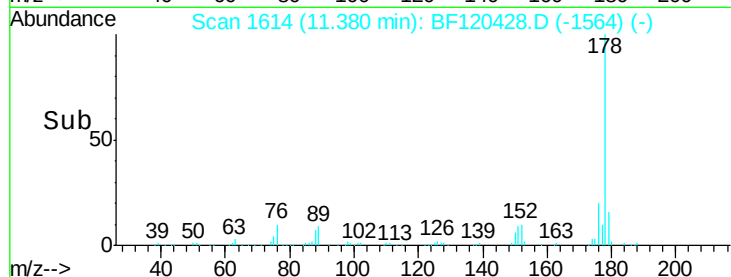
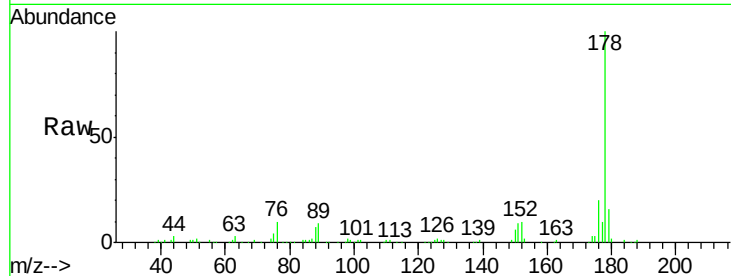
#71
Phenanthrene
Concen: 3.70 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Instrument :
BNA_F
ClientSampleId :
NM50-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.4	24.6
179	15.7	13.0	19.4

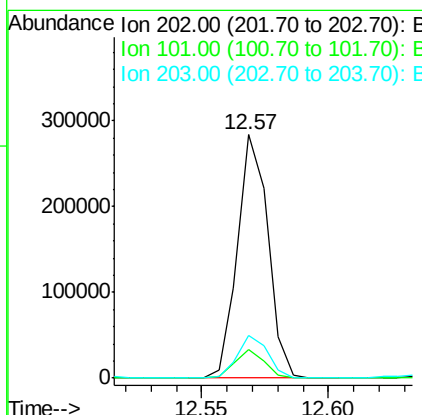
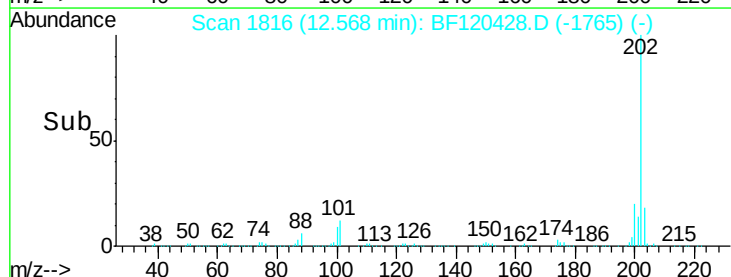
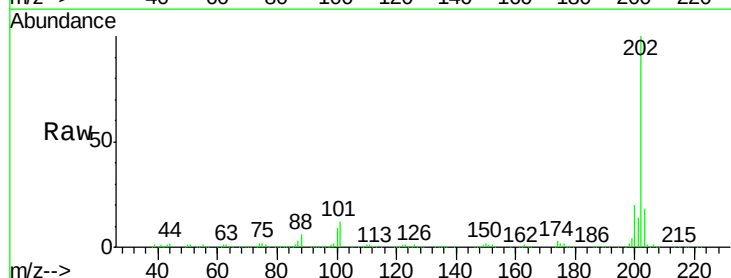
Manual Integrations
APPROVED

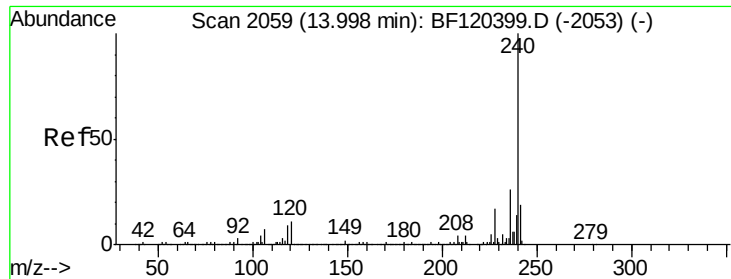
mohammad
5/29/2020 10:29:17 PM



#75
Fluoranthene
Concen: 7.83 ng
RT: 12.57 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.6
203	17.5	0.0	38.4





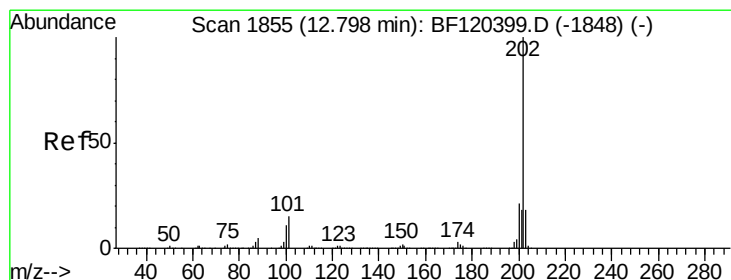
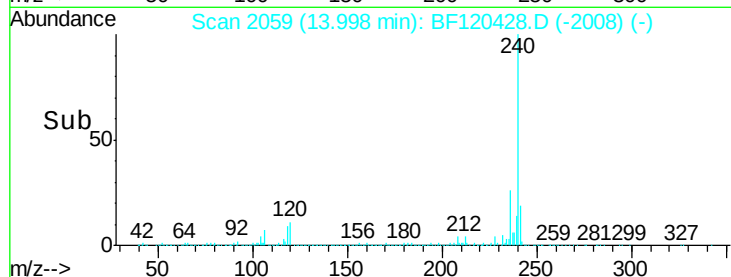
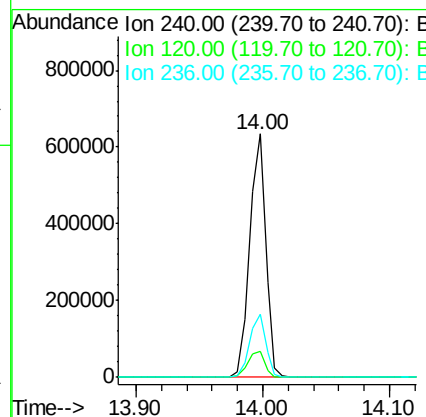
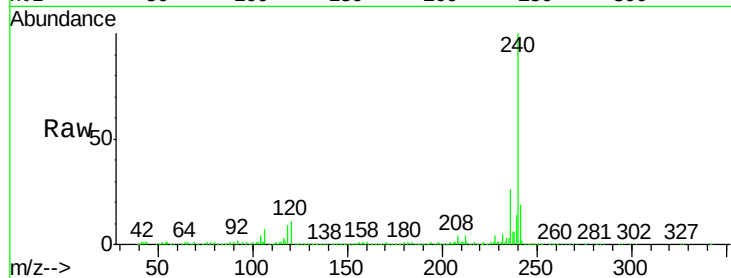
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 2059
Delta R.T. 0.00 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Instrument :
BNA_F
ClientSampleId :
NM50-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.7	8.8	13.2	
236	25.7	21.0	31.4	

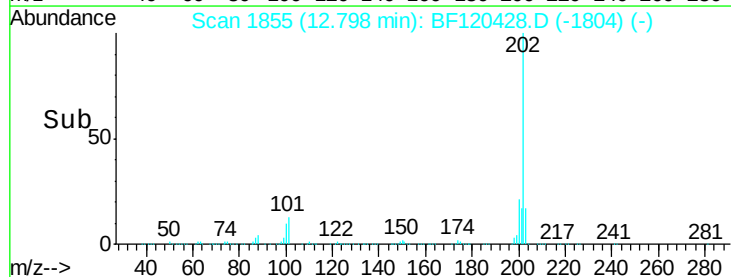
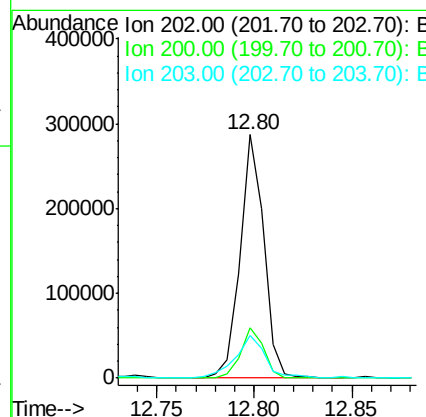
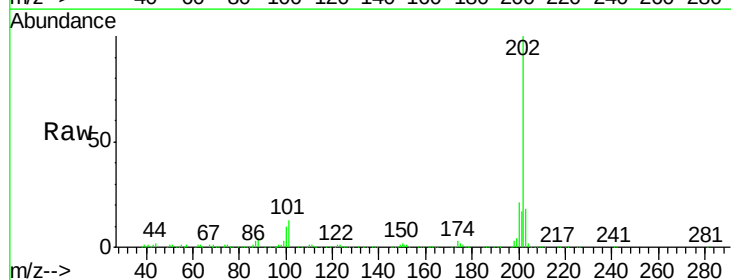
Manual Integrations
APPROVED

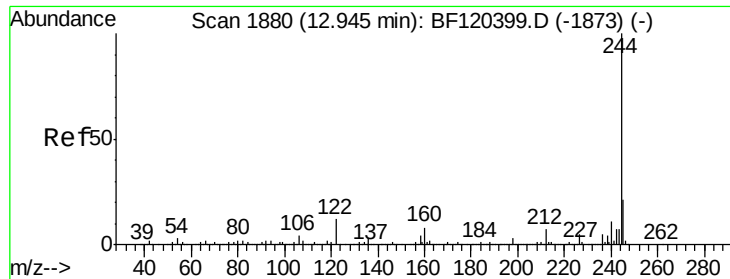
mohammad
5/29/2020 10:29:17 PM



#78
Pyrene
Concen: 6.25 ng
RT: 12.80 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.7	17.0	25.4	
203	17.5	14.7	22.1	





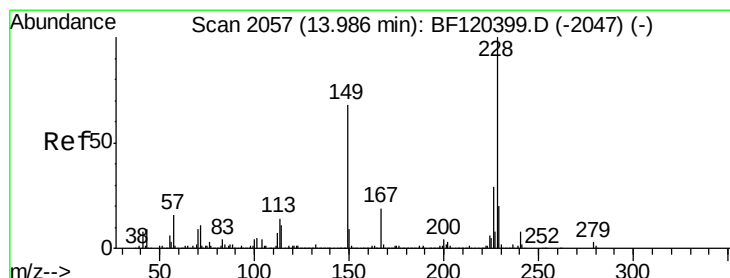
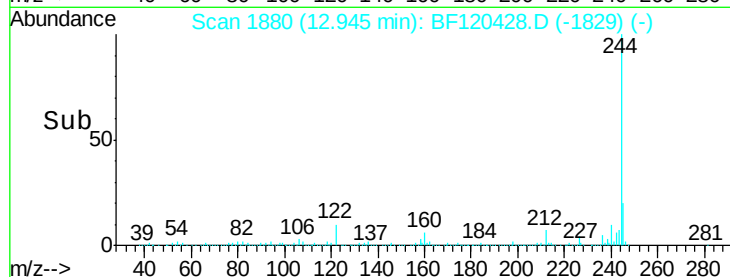
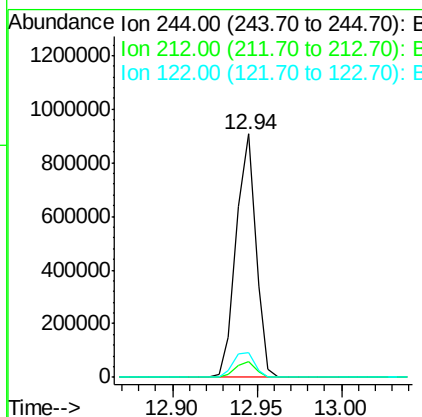
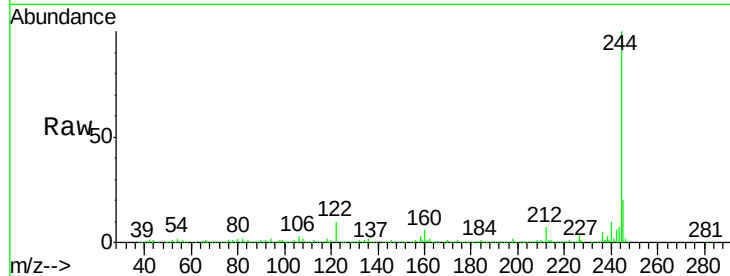
#79
 Terphenyl-d14
 Concen: 29.47 ng
 RT: 12.94 min Scan# 1880
 Delta R.T. 0.00 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Instrument :
 BNA_F
 ClientSampleId :
 NM50-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.9	8.9
122	10.3	9.2	13.8

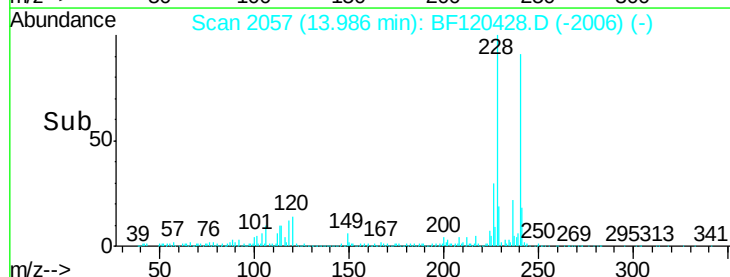
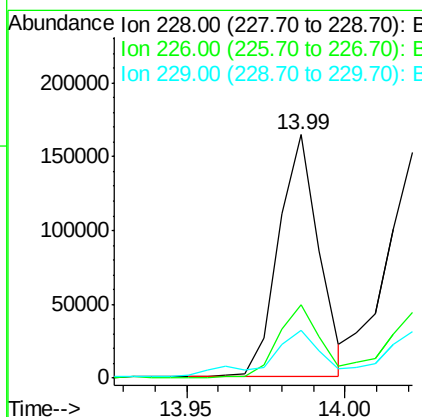
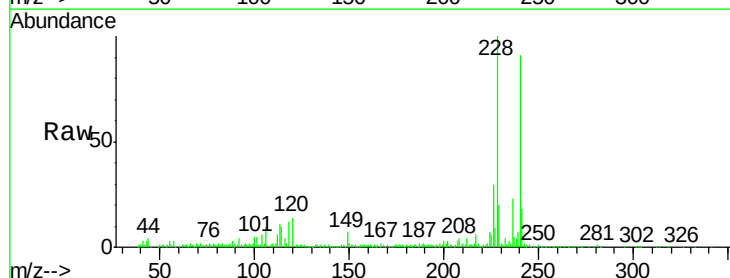
Manual Integrations
 APPROVED

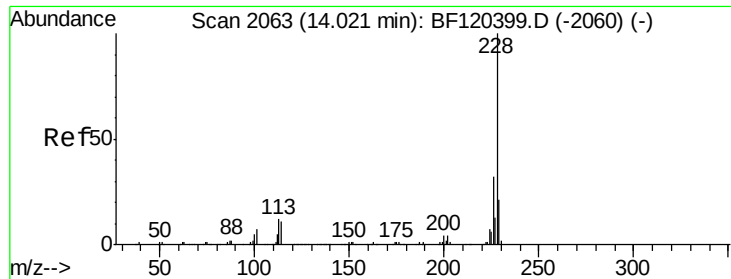
mohammad
 5/29/2020 10:29:17 PM



#81
 Benzo(a)anthracene
 Concen: 4.92 ng
 RT: 13.99 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.0	34.4
229	19.9	16.2	24.4





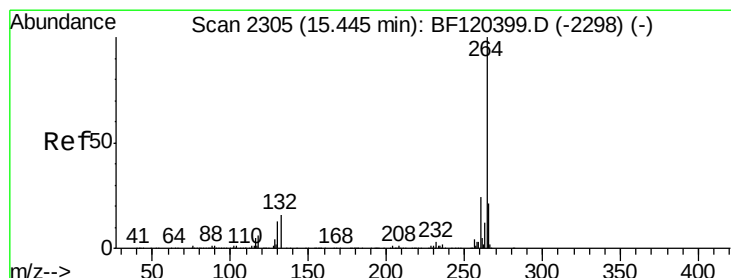
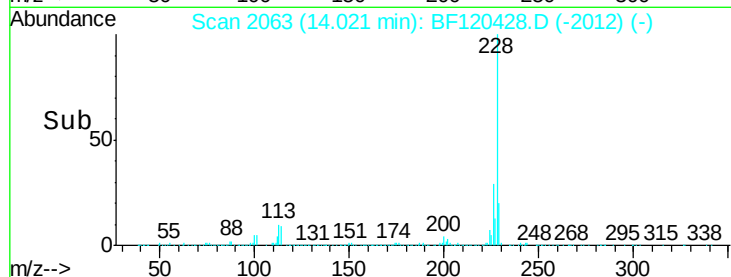
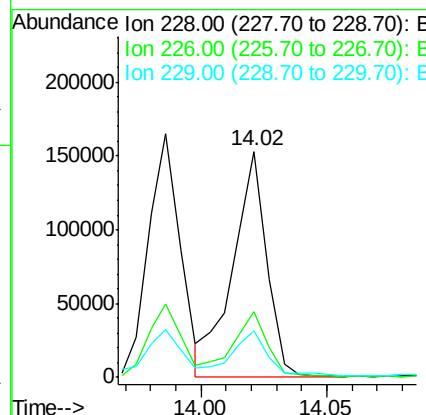
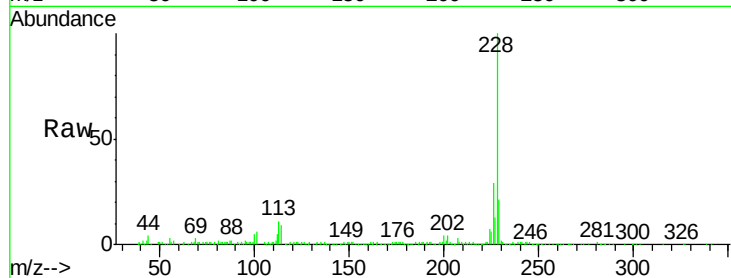
#83
Chrysene
Concen: 4.56 ng m
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Instrument :
BNA_F
ClientSampleId :
NM50-COMP-2020-0-6

Tgt Ion:	228	Resp:	142044
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.6	38.4
229	20.5	16.6	25.0

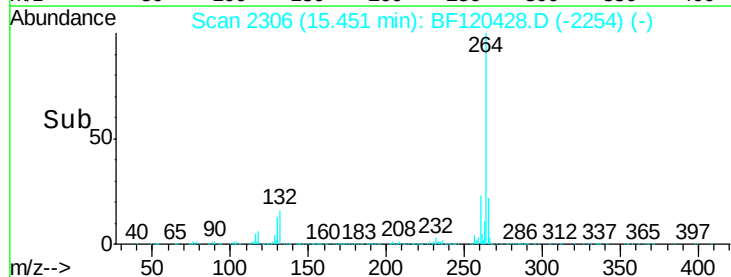
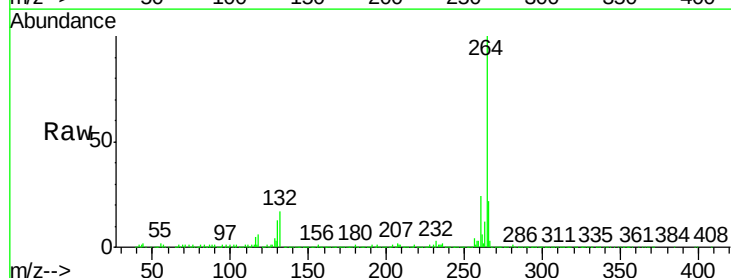
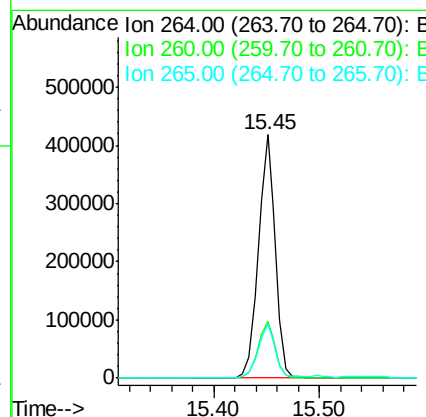
Manual Integrations
APPROVED

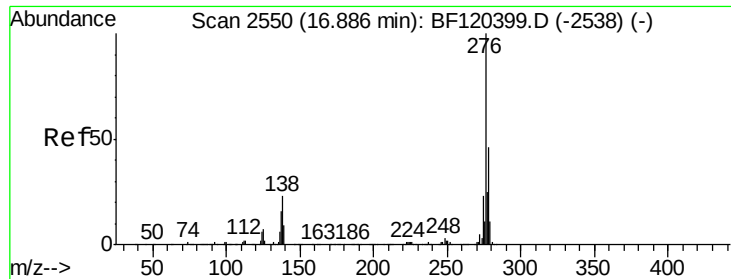
mohammad
5/29/2020 10:29:17 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Tgt Ion:	264	Resp:	468883
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	22.0	16.9	25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.28 ng

RT: 16.88 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

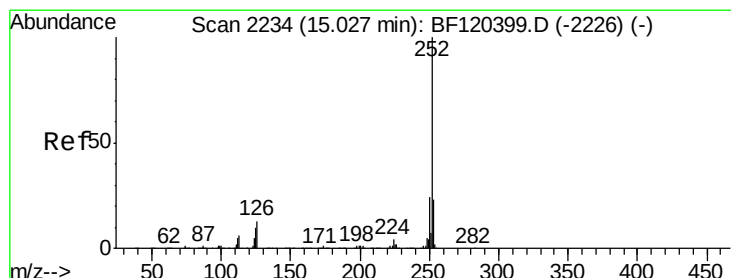
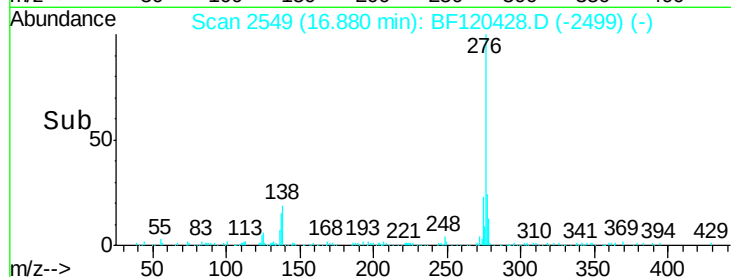
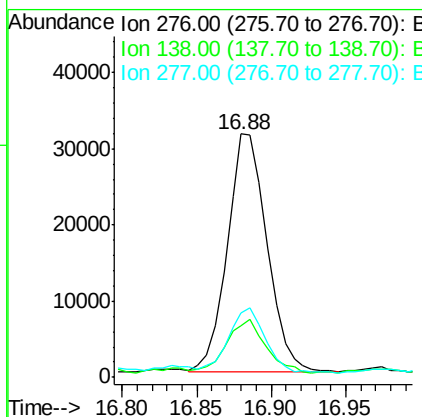
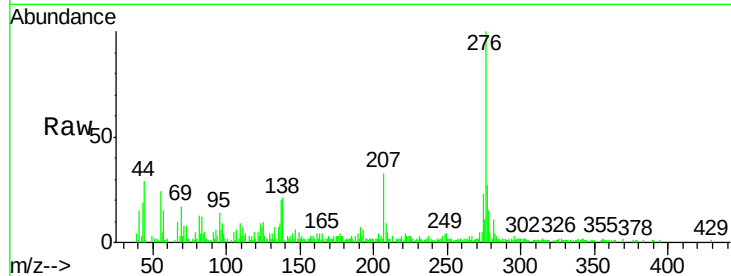
Instrument :
BNA_F

ClientSampleId :
NM50-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.4	30.6
277	24.8	20.4	30.6

Manual Integrations
APPROVED

mohammad
5/29/2020 10:29:17 PM



#88

Benzo(b)fluoranthene

Concen: 6.13 ng m

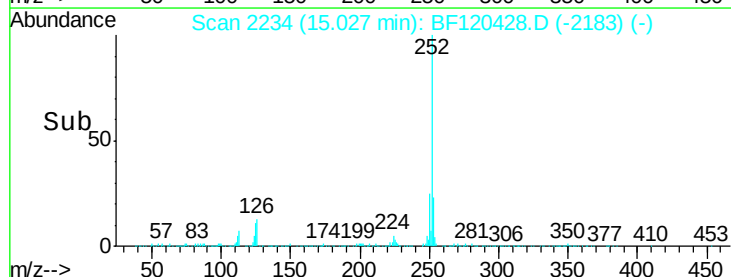
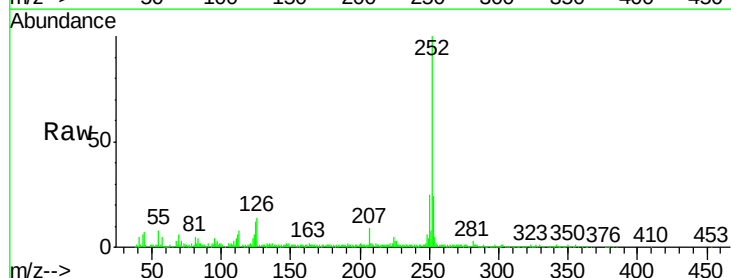
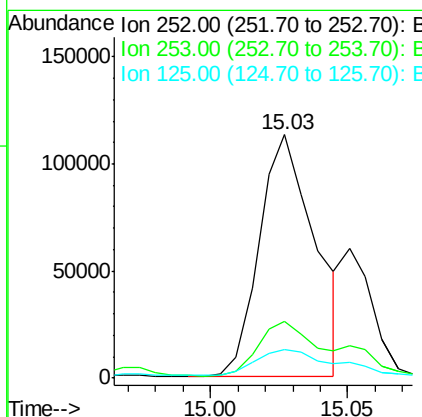
RT: 15.03 min Scan# 2234

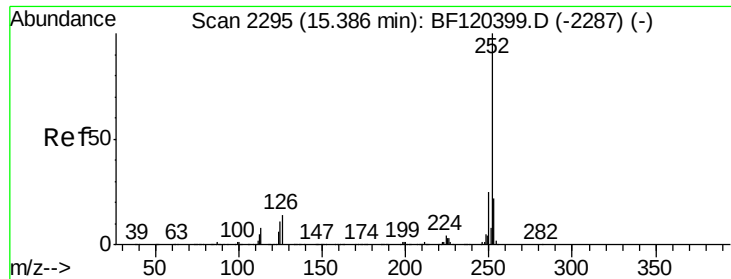
Delta R.T. 0.00 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	11.6	7.8	11.8





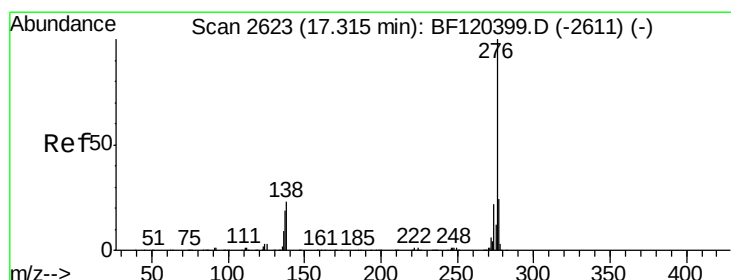
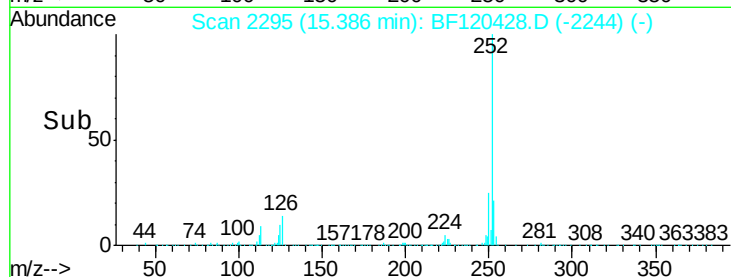
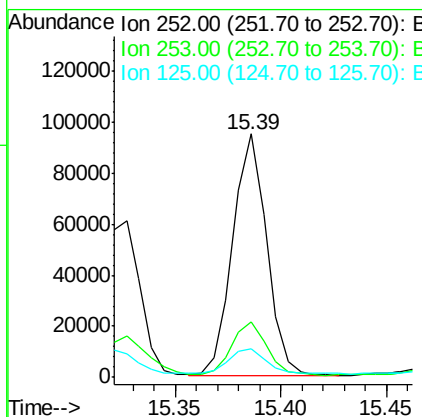
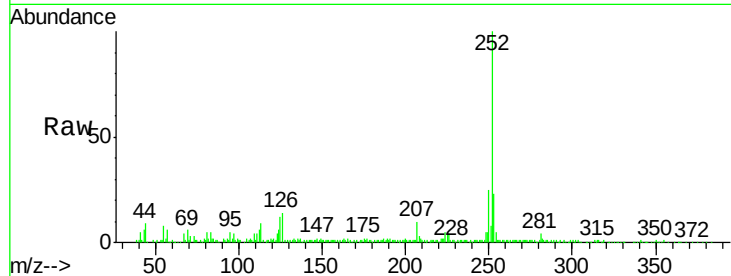
#90
Benzo(a)pyrene
Concen: 4.64 ng
RT: 15.39 min Scan# 2295
Delta R.T. 0.00 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Instrument :
BNA_F
ClientSampleId :
NM50-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	11.7	8.7	13.1

Manual Integrations
APPROVED

mohammad
5/29/2020 10:29:17 PM



#92
Benzo(g,h,i)perylene
Concen: 2.67 ng
RT: 17.32 min Scan# 2624
Delta R.T. 0.01 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.5	29.3
138	24.8	18.1	27.1

