

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120519.D
 Acq On : 3 Jun 2020 19:42
 Operator : JU/CG
 Sample : L2839-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM108-2-COMP-2020-0-6

Manual Integrations
 APPROVED

mohammad
 6/4/2020 12:12:46 PM

Quant Time: Jun 04 01:18:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	158891	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	633262	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	289975	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	536050	20.00	ng	0.00
76) Chrysene-d12	14.00	240	404276	20.00	ng	-0.01
86) Perylene-d12	15.45	264	353491	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	853441	102.36	ng	0.00
7) Phenol-d6	6.47	99	994279	96.75	ng	0.00
23) Nitrobenzene-d5	7.40	82	718014	74.17	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	287622	107.05	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1109110	64.90	ng	0.00
79) Terphenyl-d14	12.94	244	1004107	55.27	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	178411	9.841	ng	99
71) Phenanthrene	11.38	178	58164	2.462	ng	97
75) Fluoranthene	12.57	202	149273	5.873	ng	99
78) Pyrene	12.80	202	130634	4.646	ng	97
81) Benzo(a)anthracene	13.99	228	97755	4.512	ng	95
83) Chrysene	14.02	228	93547m	4.118	ng	
88) Benzo(b)fluoranthene	15.03	252	114699m	5.842	ng	
90) Benzo(a)pyrene	15.39	252	73211	4.263	ng	98
92) Benzo(g,h,i)perylene	17.33	276	33142	2.132	ng	96

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

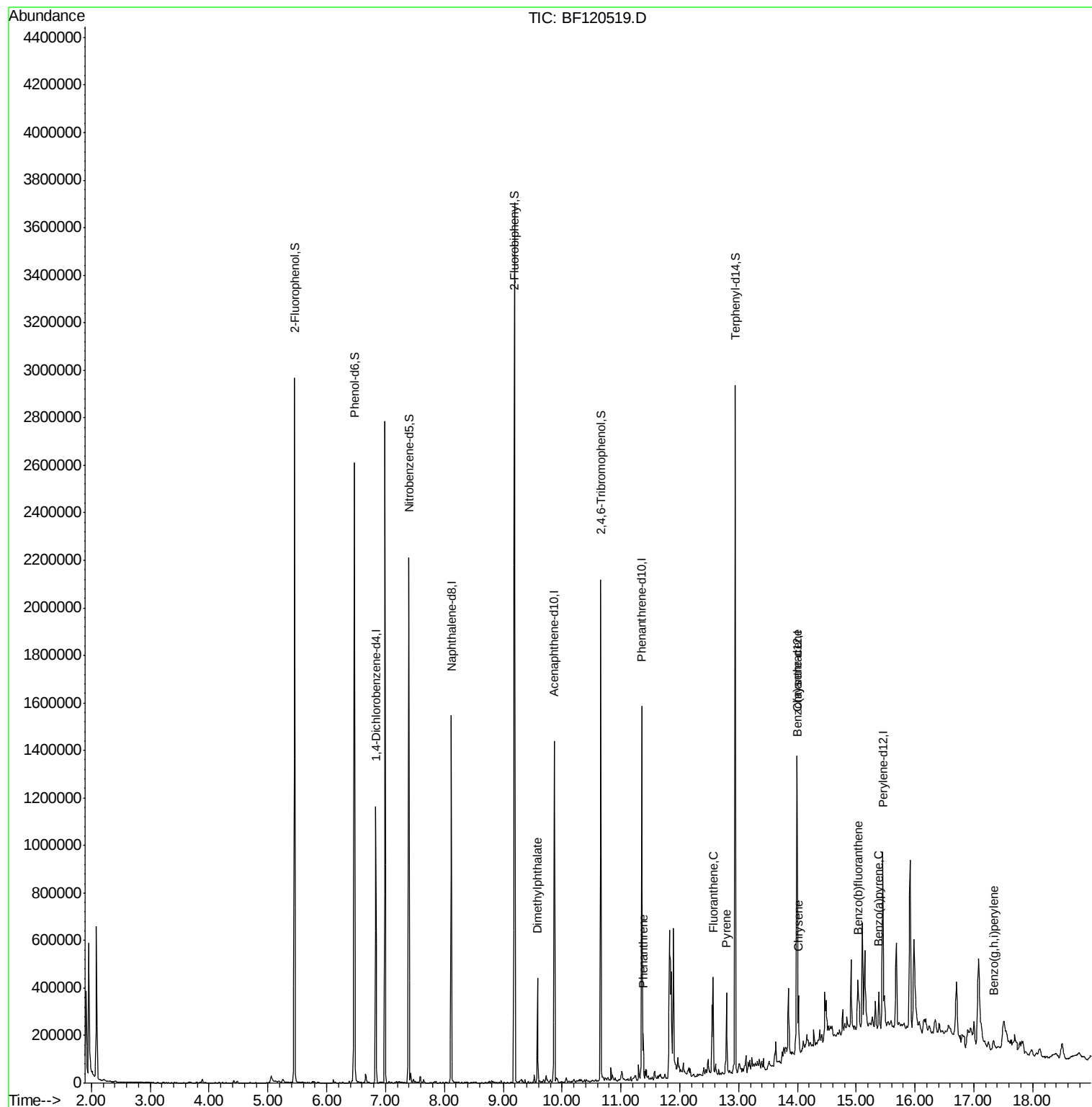
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120519.D
Acq On : 3 Jun 2020 19:42
Operator : JU/CG
Sample : L2839-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

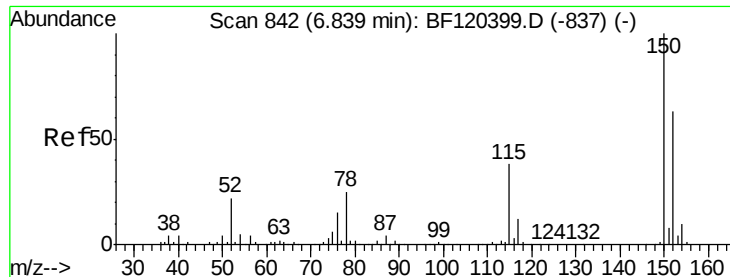
Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:46 PM

Quant Time: Jun 04 01:18:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 03 14:26:17 2020
Response via : Initial Calibration





#1

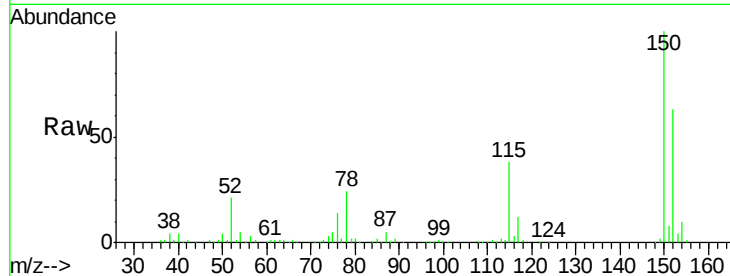
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

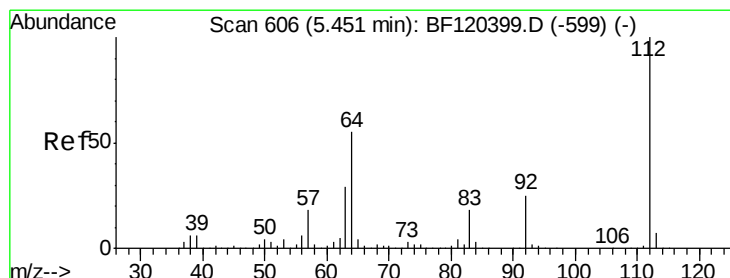
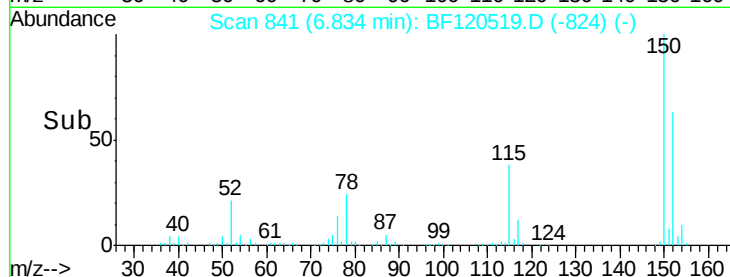
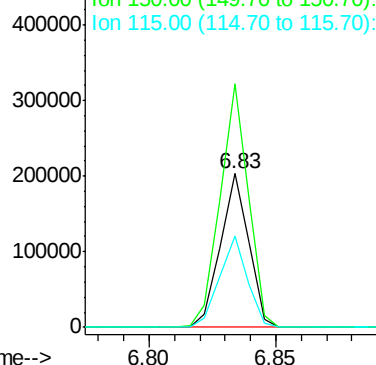
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.1	190.7
115	59.8	48.7	73.1

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:46 PM



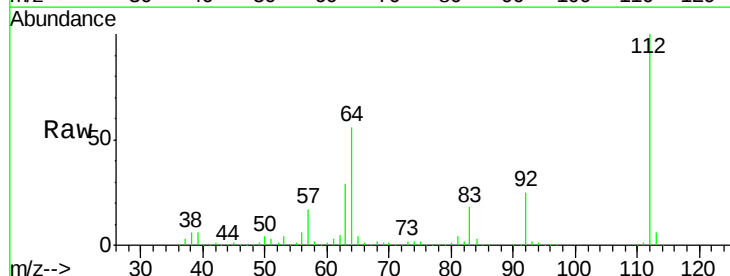
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



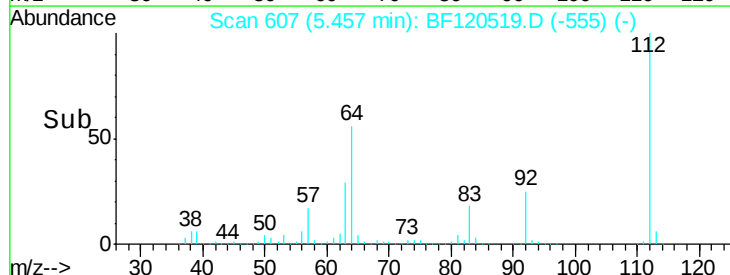
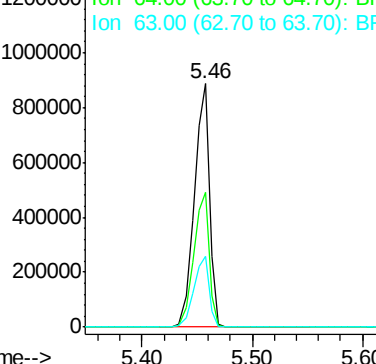
#5

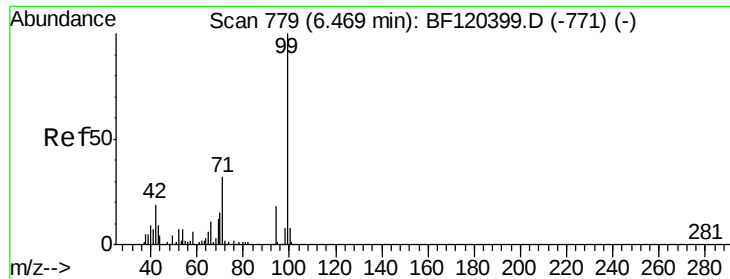
2-Fluorophenol
Concen: 102.362 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.8	68.8
63	28.8	23.7	35.5



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: 96.753 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

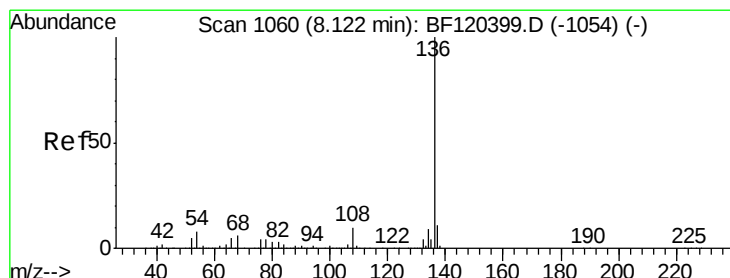
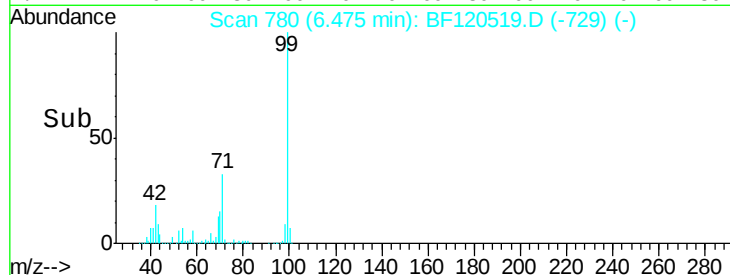
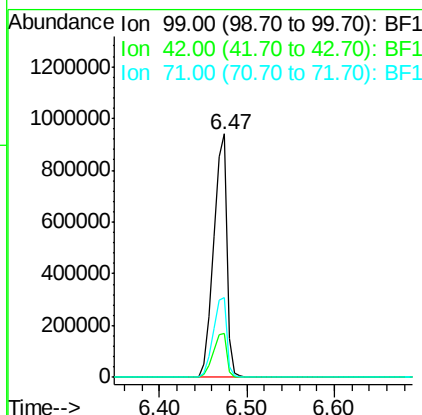
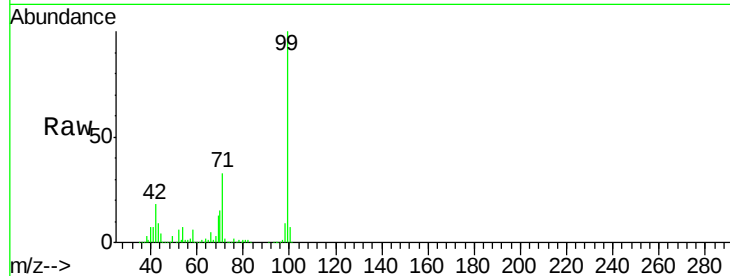
ClientSampleId :

NM108-2-COMP-2020-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		994279		
42	17.9	15.0	22.4		
71	33.0	26.3	39.5		

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:46 PM



#21

Naphthalene-d8

Concen: 20.000 ng

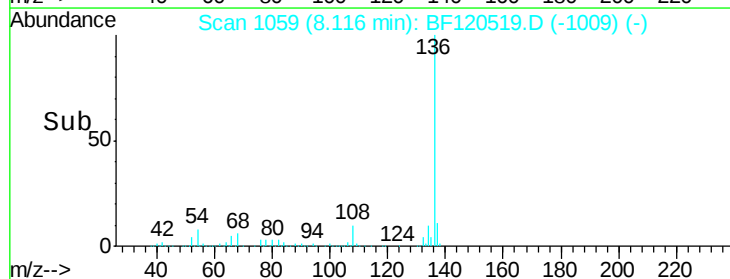
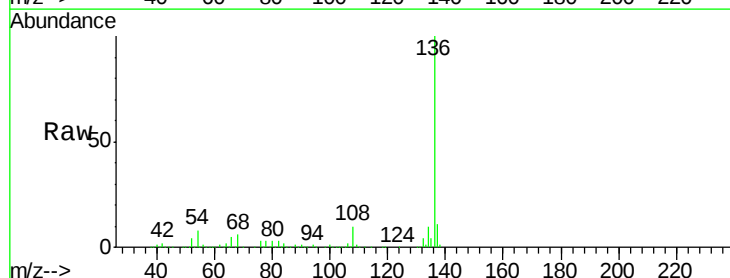
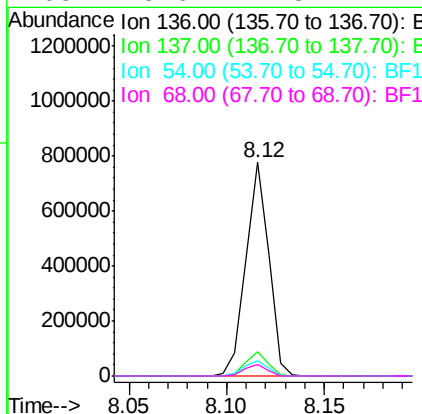
RT: 8.12 min Scan# 1059

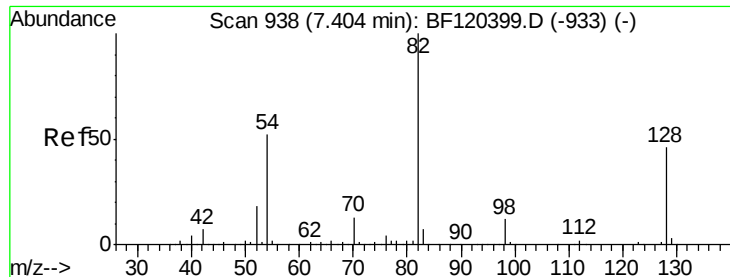
Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		633262		
137	11.3	9.0	13.4		
54	7.5	6.0	9.0		
68	5.6	4.8	7.2		





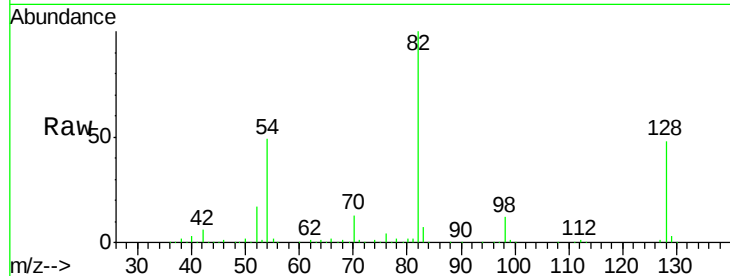
#23
Nitrobenzene-d5
Concen: 74.168 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

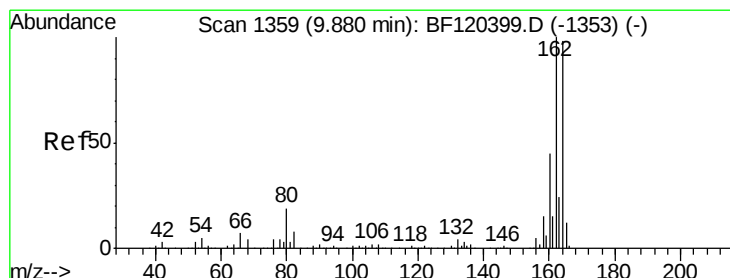
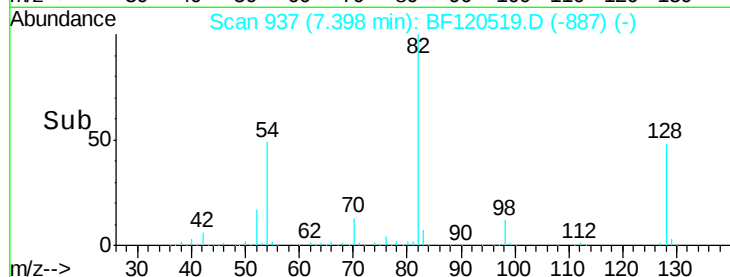
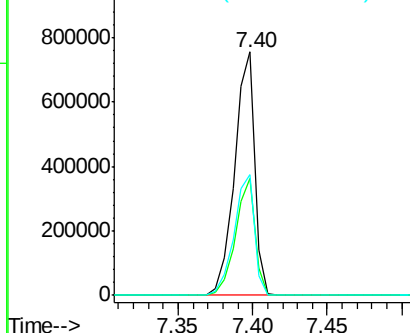
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.4	56.0
54	49.4	40.7	61.1

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:46 PM



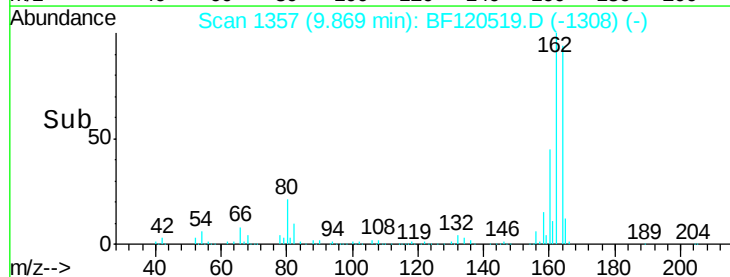
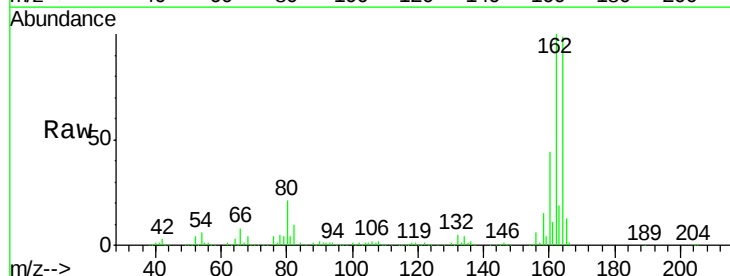
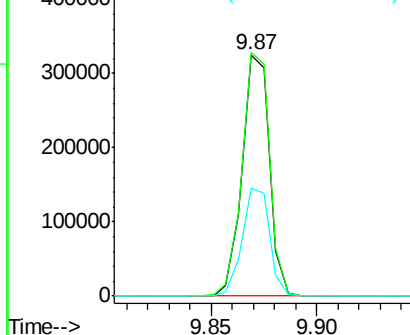
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.6
160	44.8	37.3	55.9

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





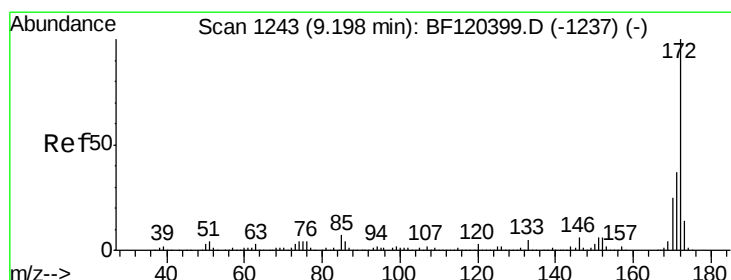
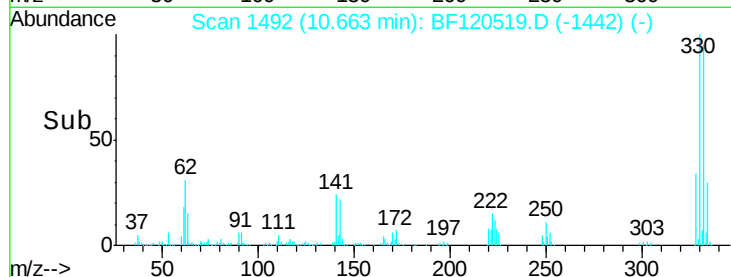
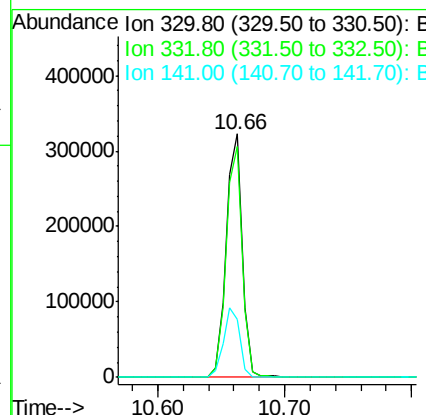
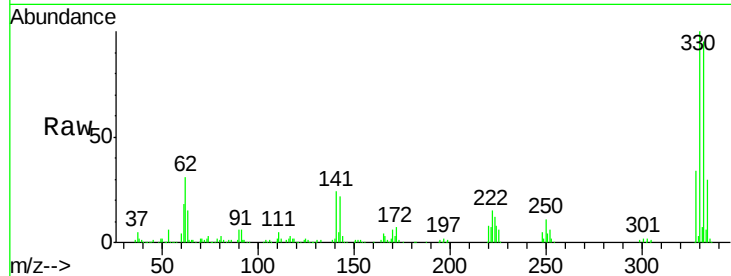
#42
 2,4,6-Tribromophenol
 Concen: 107.052 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120519.D
 Acq: 3 Jun 2020 19:42

Instrument :
 BNA_F
 ClientSampleId :
 NM108-2-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	287622		
332	95.4		77.4	116.2
141	29.5		23.5	35.3

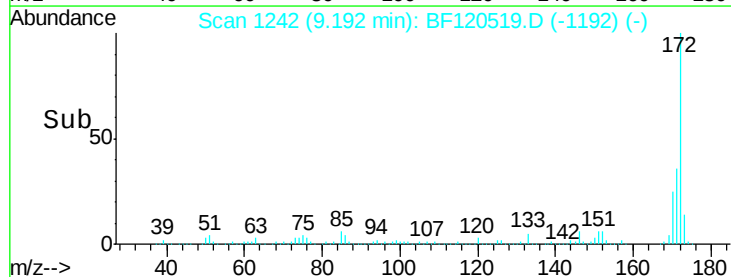
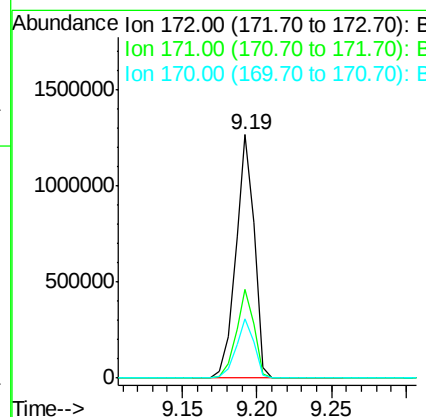
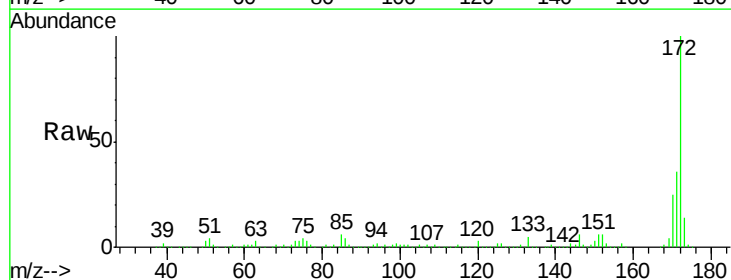
Manual Integrations
 APPROVED

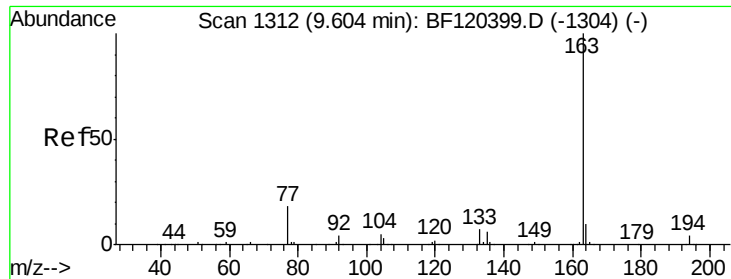
mohammad
 6/4/2020 12:12:46 PM



#45
 2-Fluorobiphenyl
 Concen: 64.896 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120519.D
 Acq: 3 Jun 2020 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1109110		
171	36.2		29.2	43.8
170	24.5		20.1	30.1





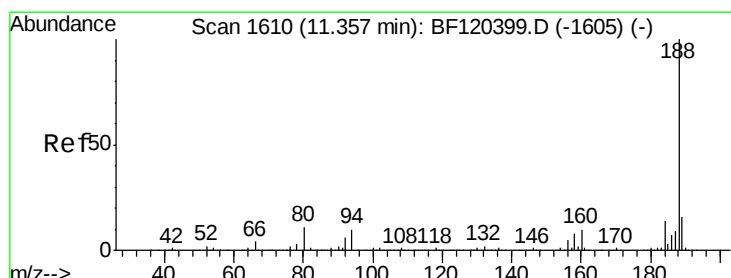
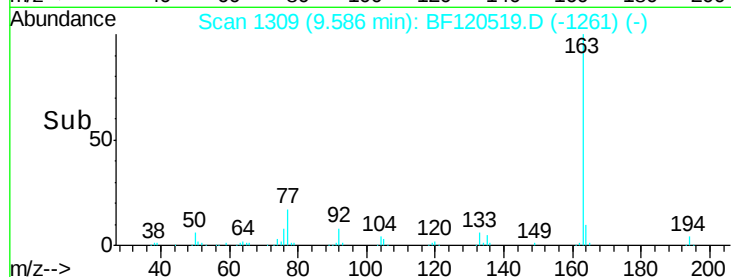
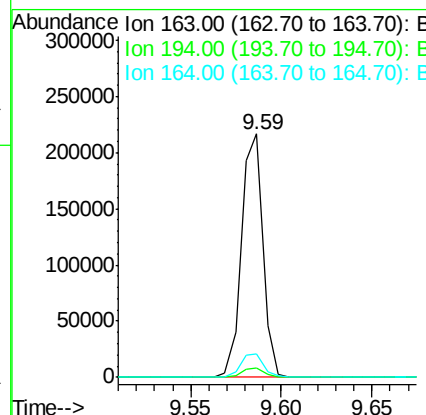
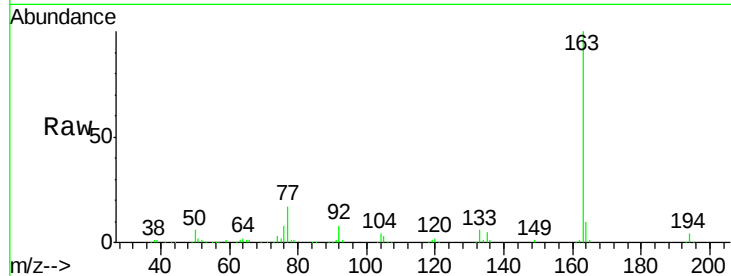
#50
Dimethylphthalate
Concen: 9.841 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.6	8.2	12.4

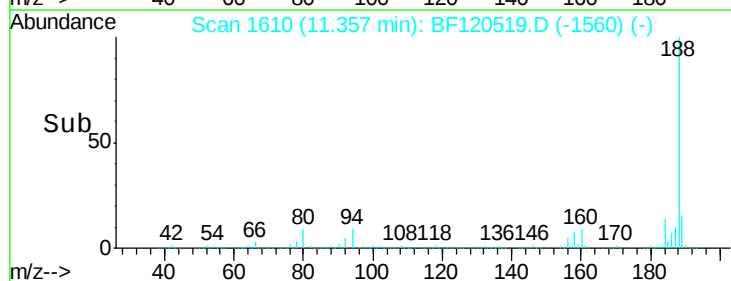
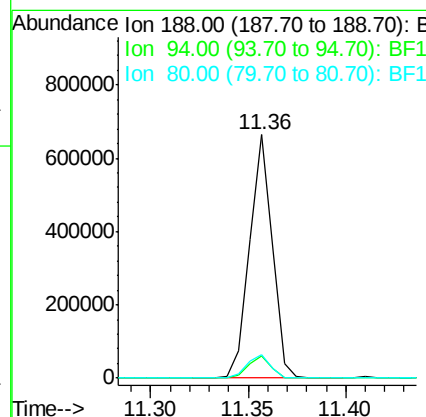
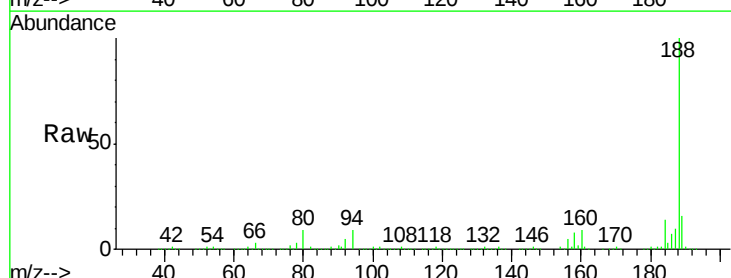
Manual Integrations
APPROVED

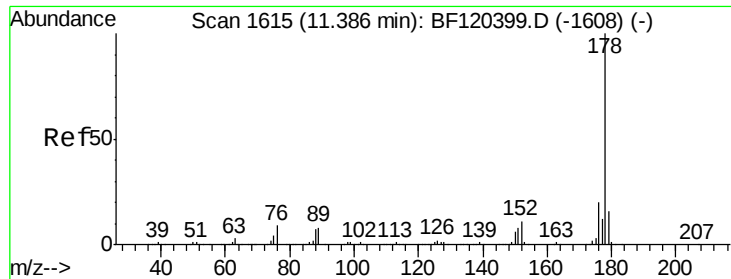
mohammad
6/4/2020 12:12:46 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.5	11.3
80	9.5	7.9	11.9





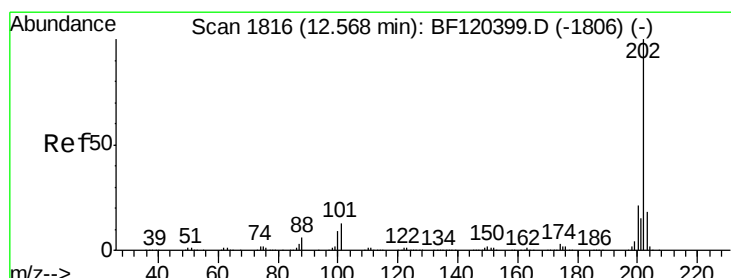
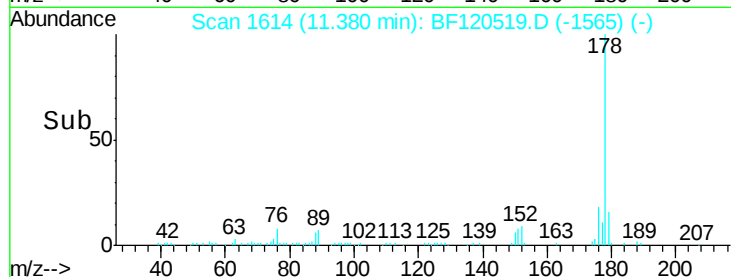
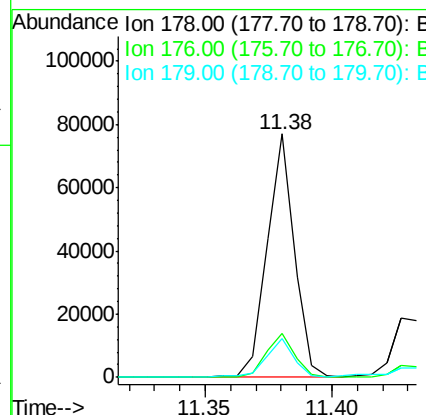
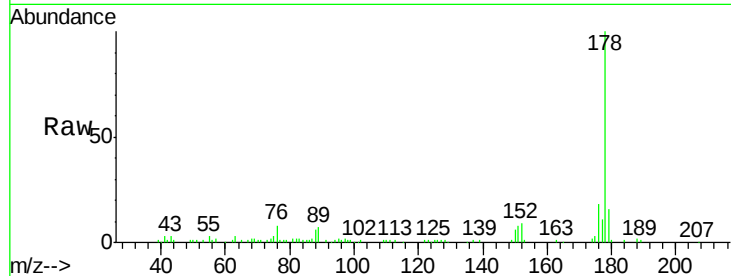
#71
Phenanthrene
Concen: 2.462 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.6	24.8
179	15.9	13.0	19.4

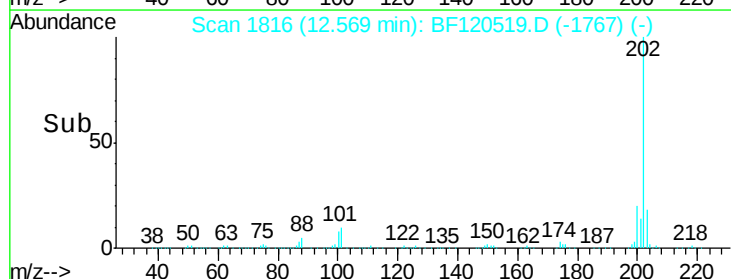
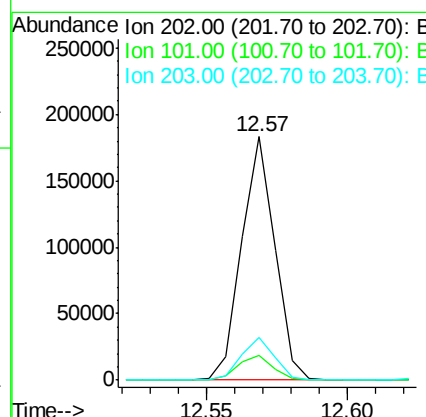
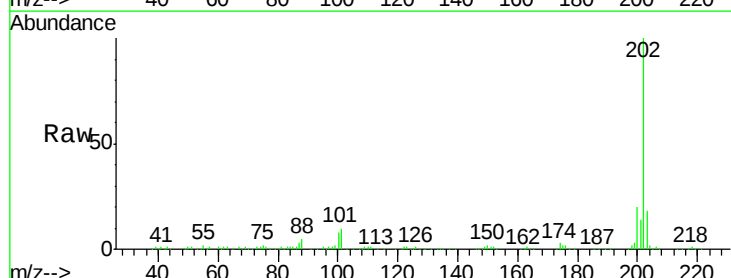
Manual Integrations
APPROVED

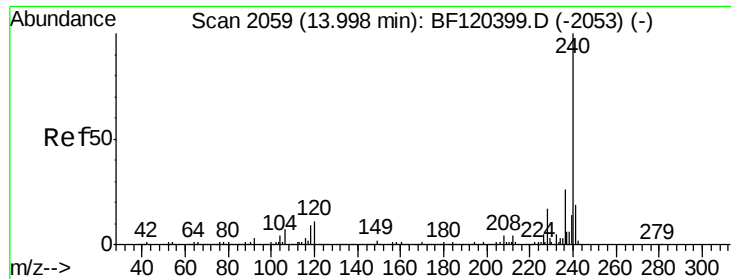
mohammad
6/4/2020 12:12:46 PM



#75
Fluoranthene
Concen: 5.873 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.4
203	17.6	0.0	38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

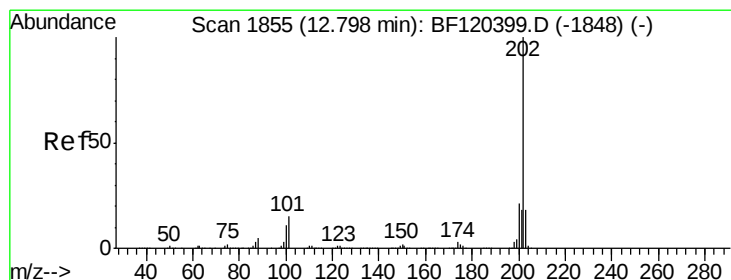
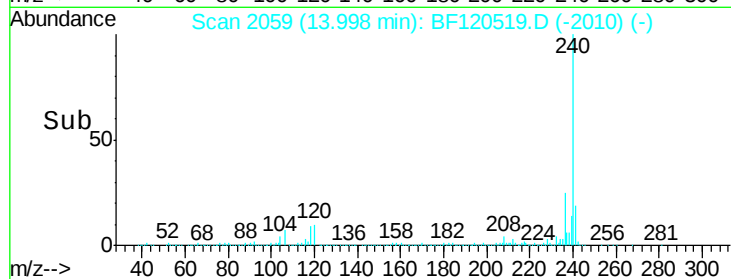
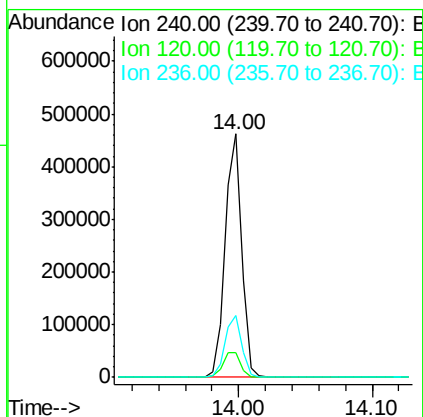
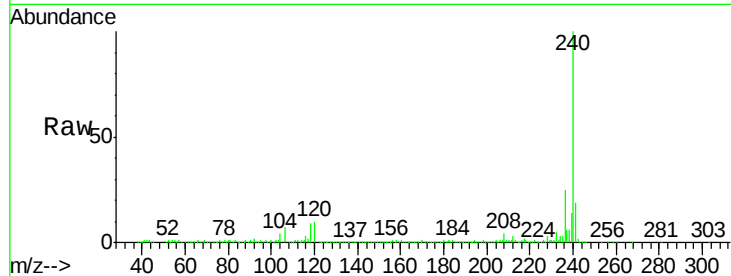
ClientSampleId :

NM108-2-COMP-2020-0-6

Tot Ion:	240	Resp:	404276
Ion Ratio	Lower	Upper	
240	100		
120	10.2	7.9	11.9
236	25.4	21.1	31.7

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:46 PM



#78

Pyrene

Concen: 4.646 ng

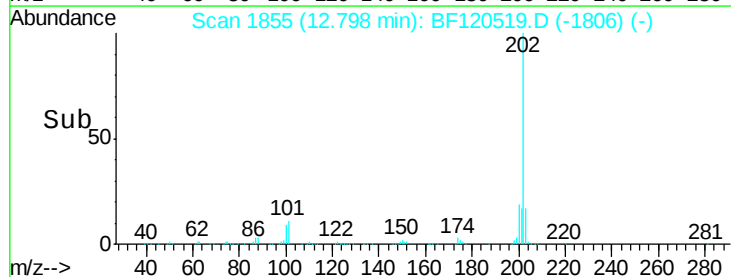
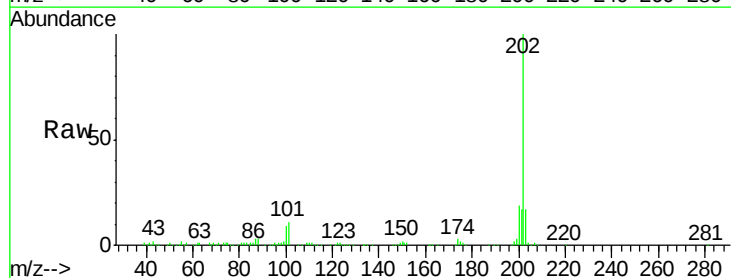
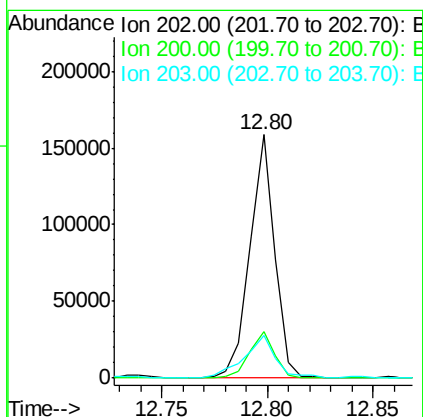
RT: 12.80 min Scan# 1855

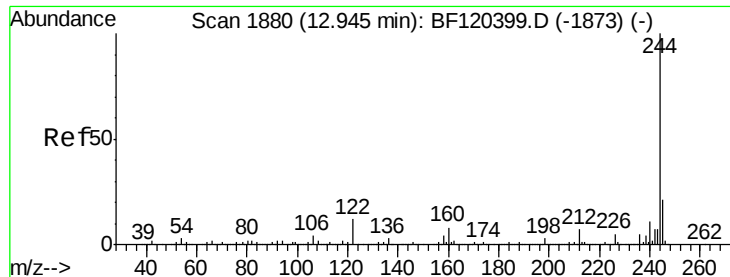
Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Tgt Ion:	202	Resp:	130634
Ion Ratio	Lower	Upper	
202	100		
200	19.3	17.3	25.9
203	17.4	14.5	21.7





#79

Terphenyl-d14

Concen: 55.269 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

Tot Ion:244 Resp: 1004107

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	9.7	8.2	12.4

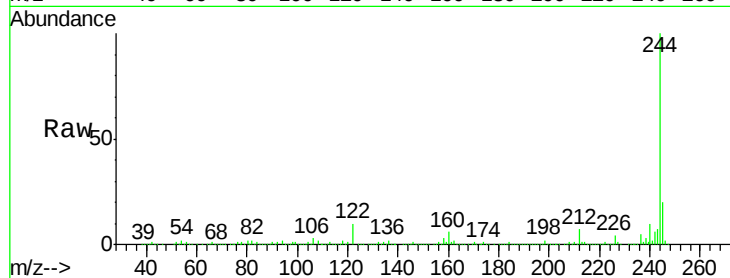
244 100

212 6.7 5.8 8.8

122 9.7 8.2 12.4

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:46 PM

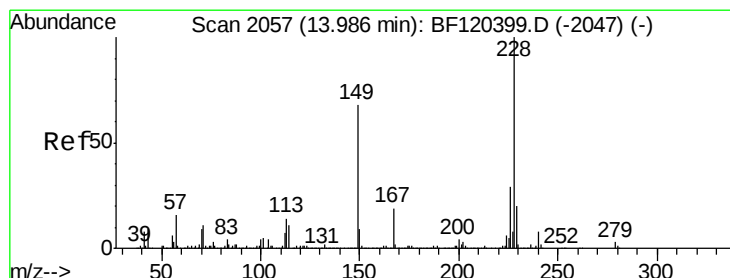
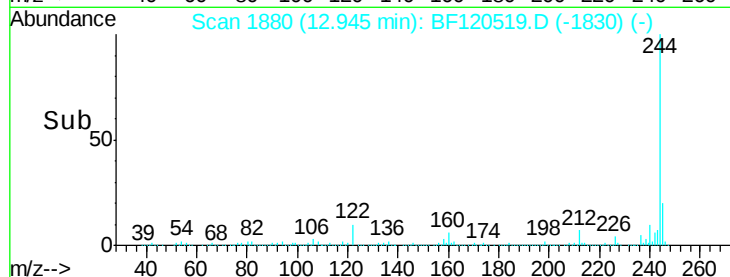
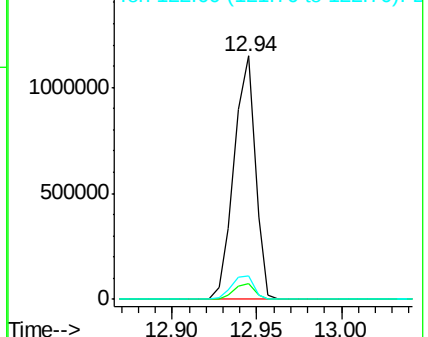


Abundance

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: 4.512 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

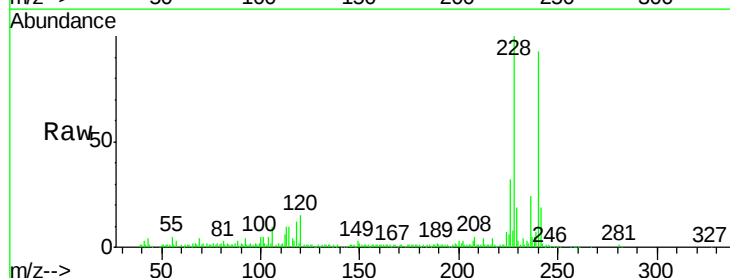
Tgt Ion:228 Resp: 97755

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.7	34.1
229	19.2	16.3	24.5

228 100

226 31.9 22.7 34.1

229 19.2 16.3 24.5

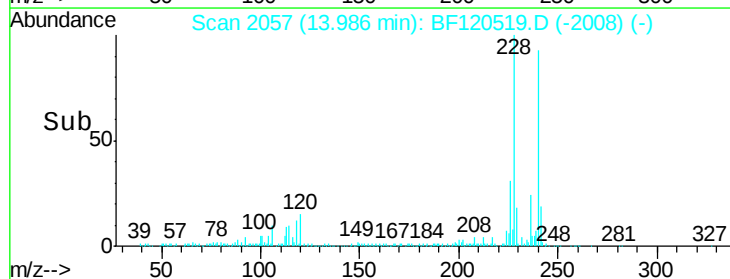
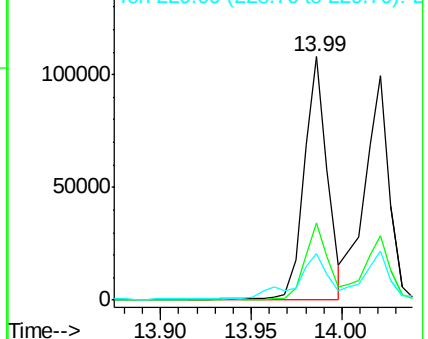


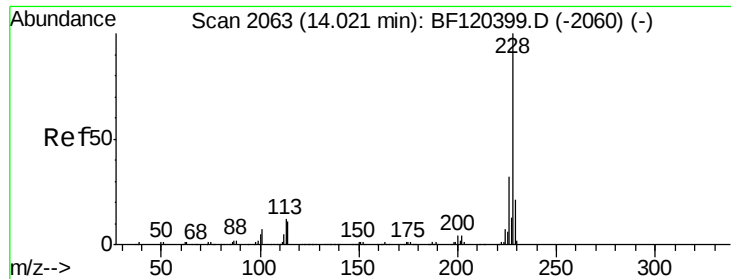
Abundance

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





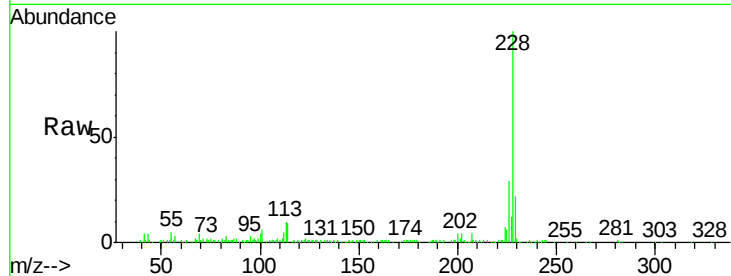
#83
Chrysene
Concen: 4.118 ng/mL
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

Tot Ion:	228	Resp:	93547
Ion Ratio	Lower	Upper	
228	100		
226	28.7	25.2	37.8
229	22.0	16.1	24.1

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:46 PM

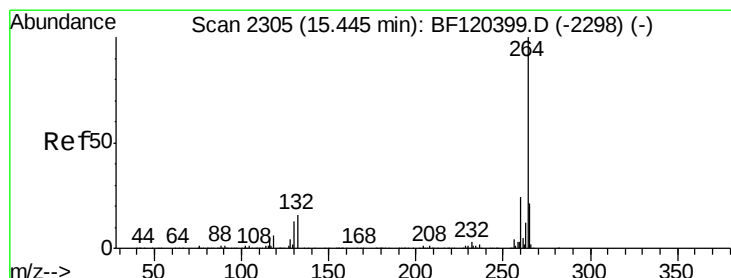
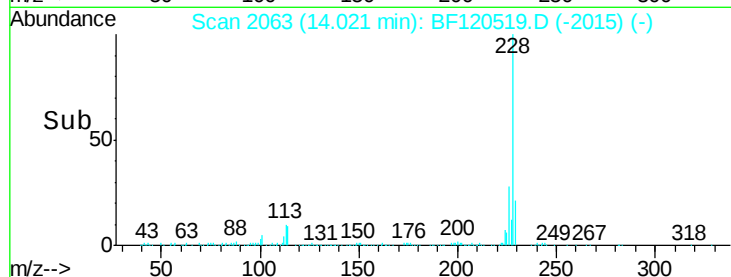
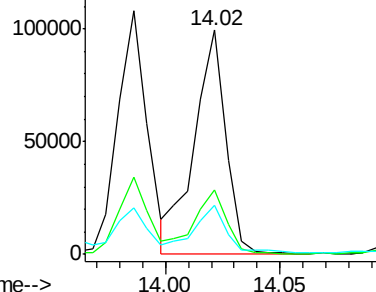


Abundance

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



#86
Perylene-d12
Concen: 20.000 ng/mL
RT: 15.45 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

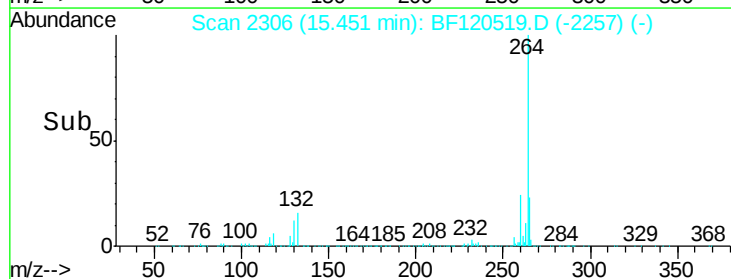
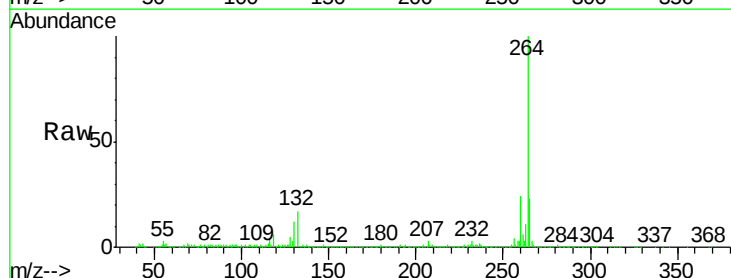
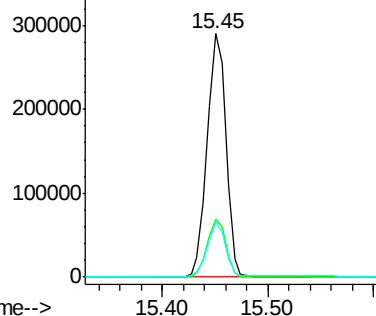
Tgt Ion:	264	Resp:	353491
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.8	29.8
265	23.0	17.5	26.3

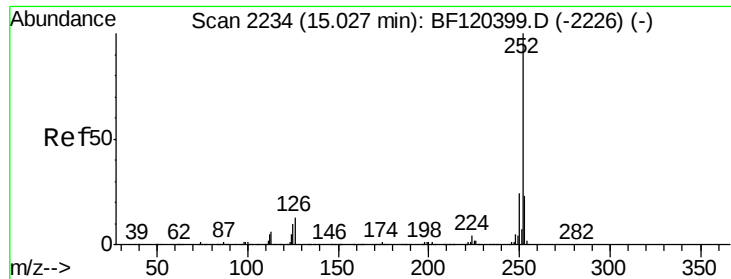
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





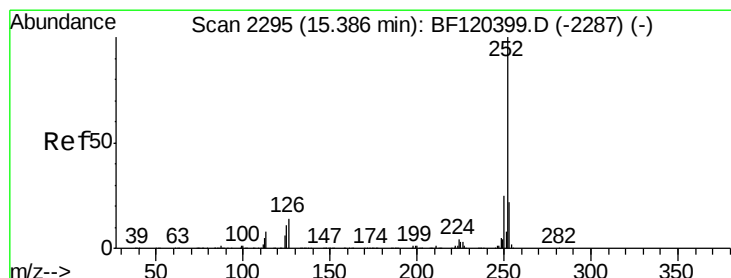
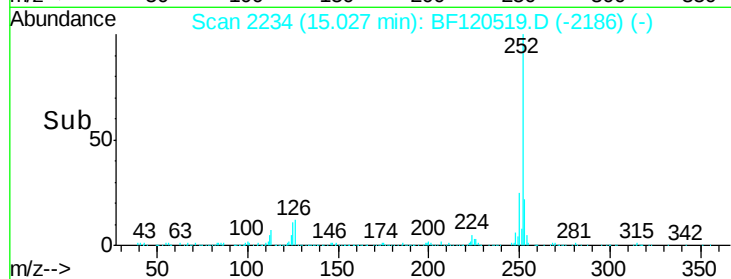
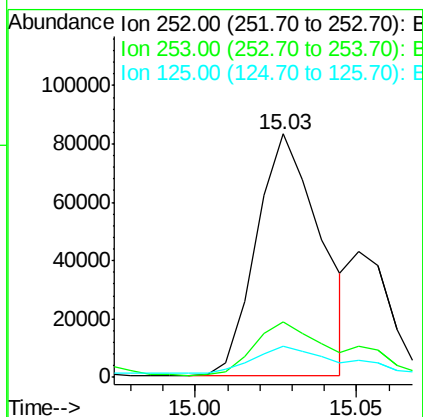
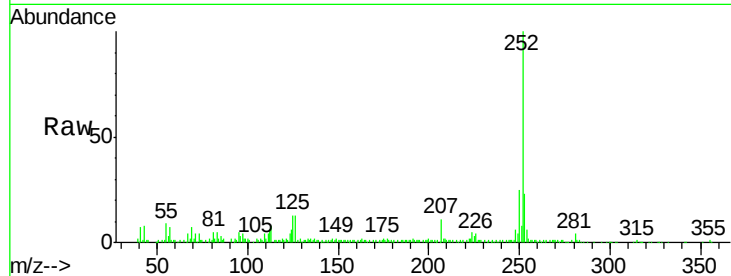
#88
Benzo(b)fluoranthene
Concen: 5.842 ng m
RT: 15.03 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	12.5	7.6	11.4

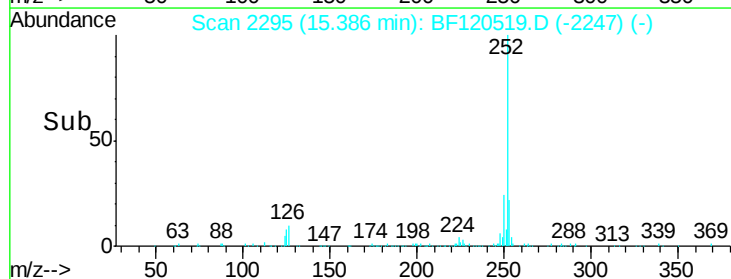
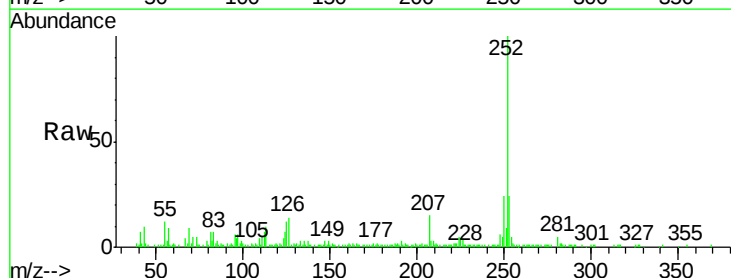
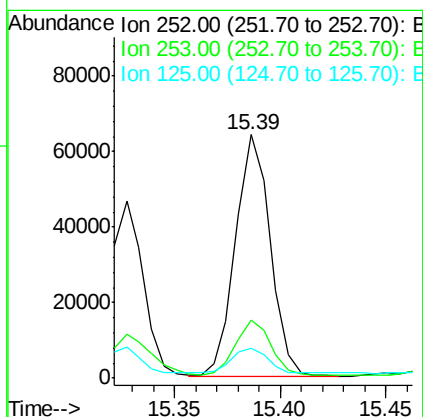
Manual Integrations
APPROVED

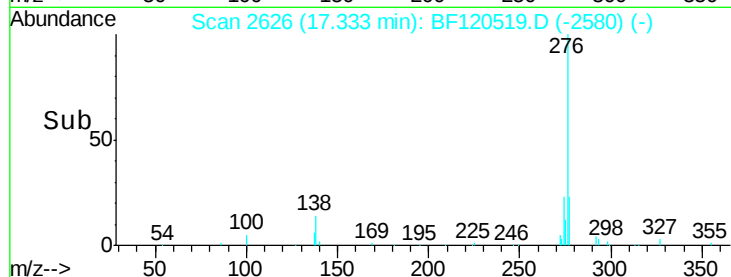
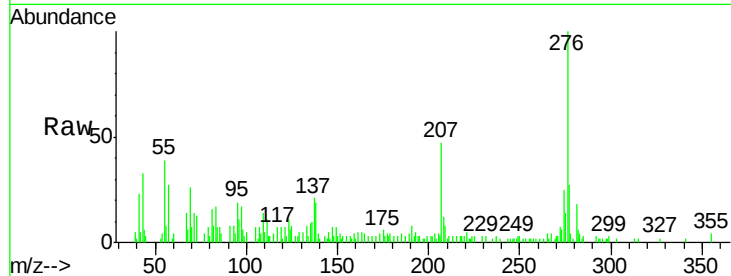
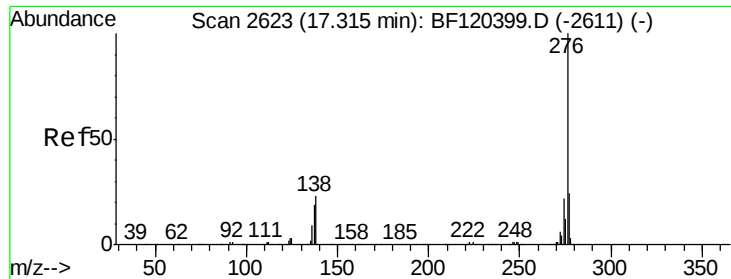
mohammad
6/4/2020 12:12:46 PM



#90
Benzo(a)pyrene
Concen: 4.263 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	12.5	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.132 ng
 RT: 17.33 min Scan# 2626
 Delta R.T. -0.03 min
 Lab File: BF120519.D
 Acq: 3 Jun 2020 19:42

Instrument :
 BNA_F
 ClientSampleId :
 NM108-2-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.4	29.2
138	19.1	16.6	25.0

Manual Integrations
 APPROVED

mohammad
 6/4/2020 12:12:46 PM

