

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042120\
 Data File : BF120102.D
 Acq On : 21 Apr 2020 15:13
 Operator : MA/SJ
 Sample : L2342-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-16-COMP

Manual Integrations
 APPROVED

mohammad
 4/24/2020 4:17:03 AM

Quant Time: Apr 21 15:56:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 13:48:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	121713	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	478874	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	244256	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	467467	20.00	ng	0.00
76) Chrysene-d12	13.86	240	297794	20.00	ng	-0.01
87) Perylene-d12	15.27	264	256586	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	623896	88.59	ng	0.00
7) Phenol-d6	6.33	99	848787	93.53	ng	0.00
23) Nitrobenzene-d5	7.26	82	532832	57.56	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	216913	72.53	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1025318	59.60	ng	0.00
79) Terphenyl-d14	12.81	244	1085555	61.34	ng	0.00
Target Compounds						
49) Acenaphthylene	9.59	152	48604	2.012	ng	Qvalue 96
50) Dimethylphthalate	9.45	163	110733	5.861	ng	98
58) Fluorene	10.28	166	54640	3.090	ng	94
71) Phenanthrene	11.25	178	329203	13.232	ng	99
72) Anthracene	11.29	178	82349	3.240	ng	98
75) Fluoranthene	12.43	202	274350	10.220	ng	96
78) Pyrene	12.66	202	353558	14.083	ng	99
81) Benzo(a)anthracene	13.85	228	147608m	7.535	ng	
83) Chrysene	13.89	228	146233	7.346	ng	98
86) Indeno(1,2,3-cd)pyrene	16.64	276	87872	5.008	ng	97
88) Benzo(b)fluoranthene	14.87	252	153573m	8.320	ng	
89) Benzo(k)fluoranthene	14.90	252	56571m	3.552	ng	
90) Benzo(a)pyrene	15.22	252	140523	9.055	ng	100
92) Benzo(a,h,i)perylene	17.05	276	97719	7.201	ng	95

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

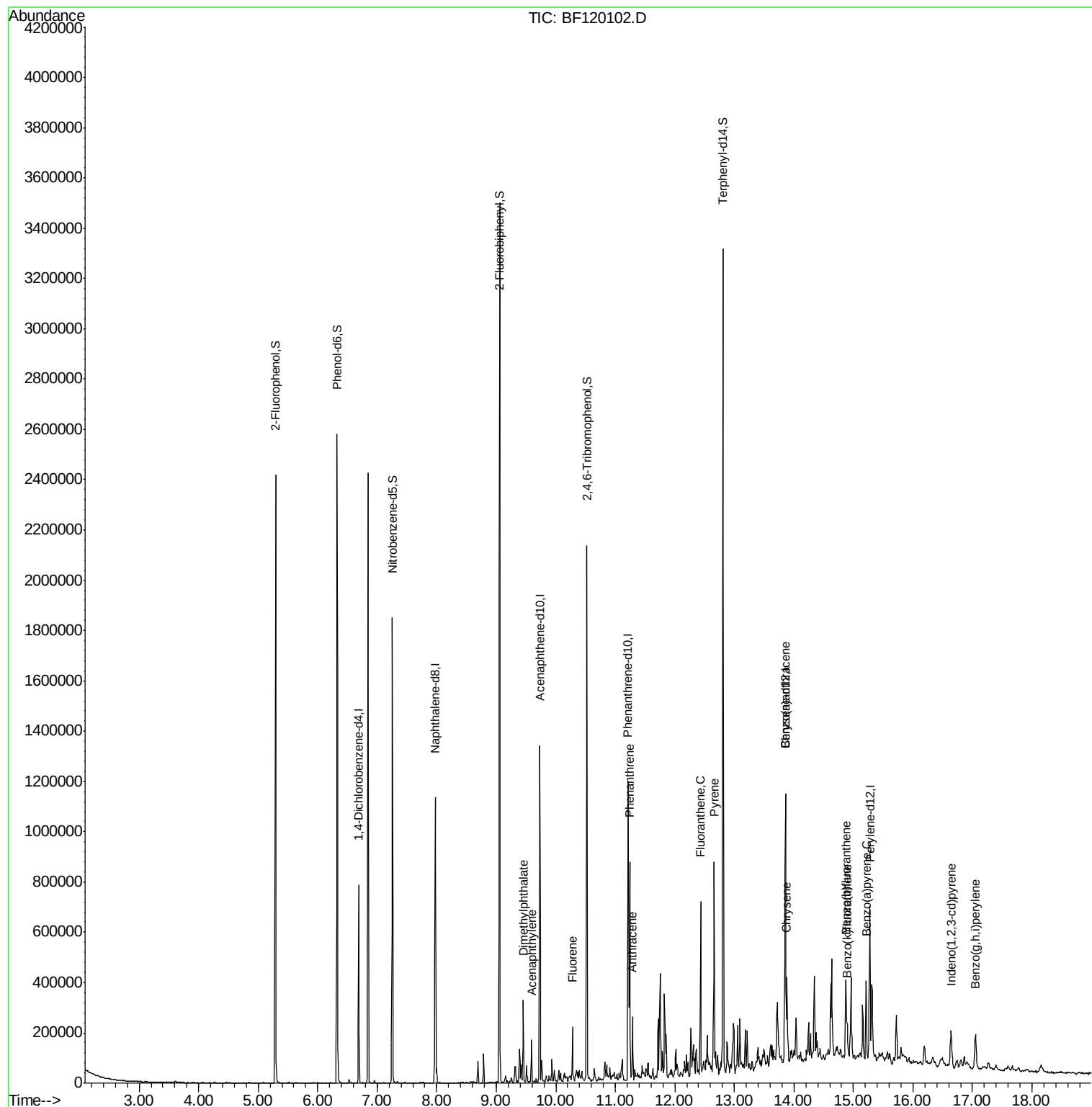
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042120\
Data File : BF120102.D
Acq On : 21 Apr 2020 15:13
Operator : MA/SJ
Sample : L2342-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

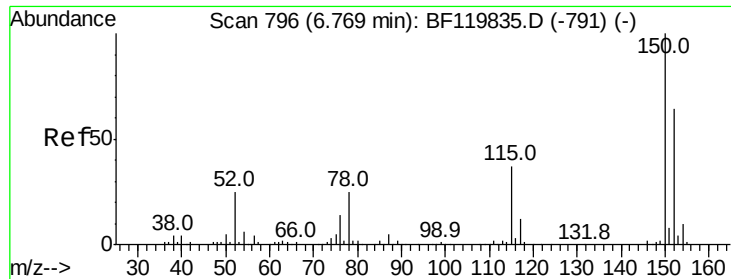
Instrument :
BNA_F
ClientSampleId :
TP-17-16-COMP

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:03 AM

Quant Time: Apr 21 15:56:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 21 13:48:22 2020
Response via : Initial Calibration





#1

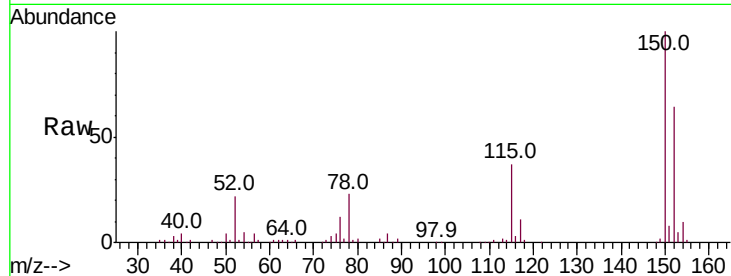
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Instrument :
BNA_F
ClientSampleId :
TP-17-16-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.8	187.2
115	58.2	46.5	69.7

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:03 AM

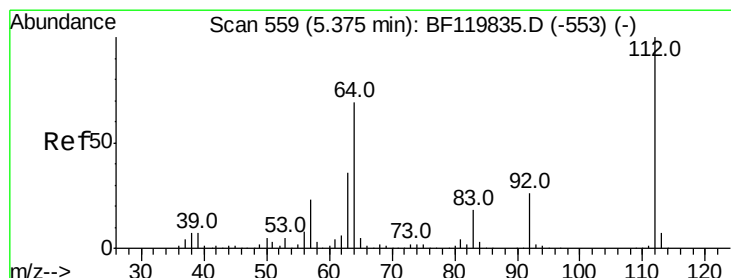
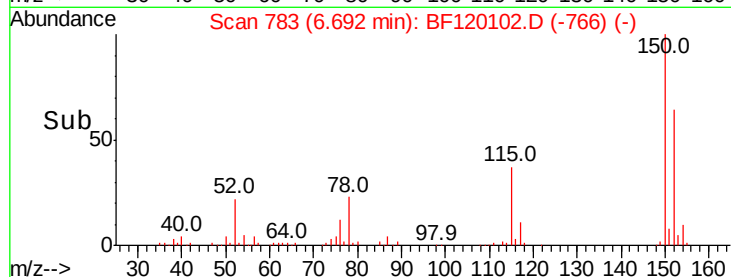
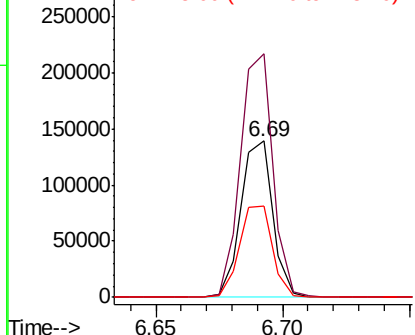


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

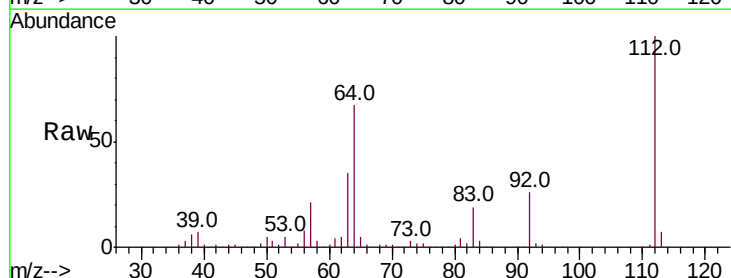
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.586 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	55.5	83.3
63	34.8	29.1	43.7

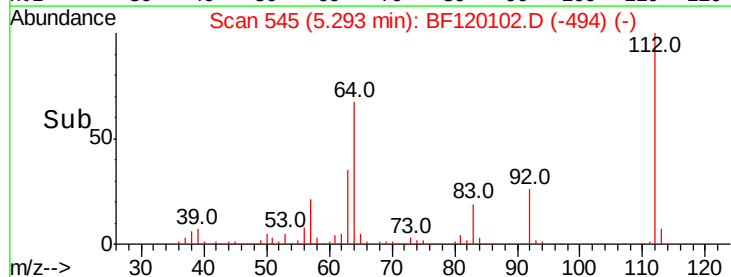
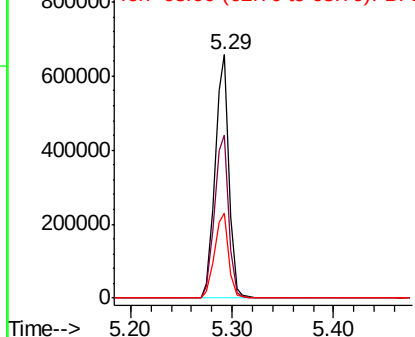


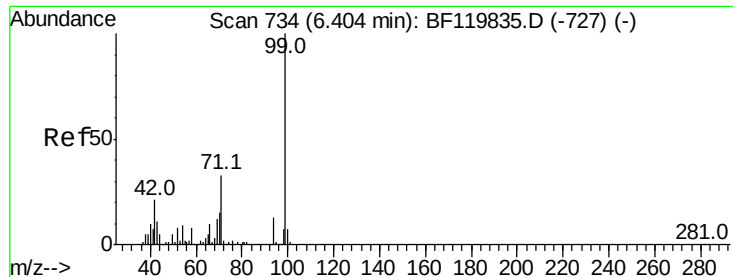
Abundance

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: 93.530 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

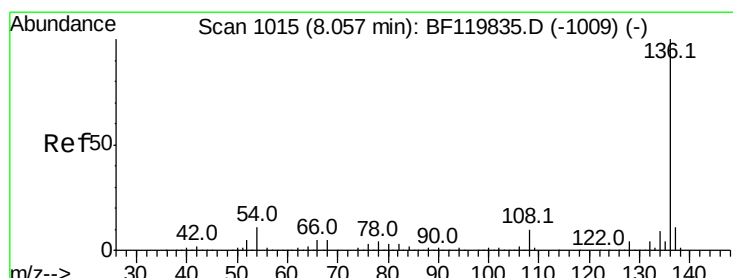
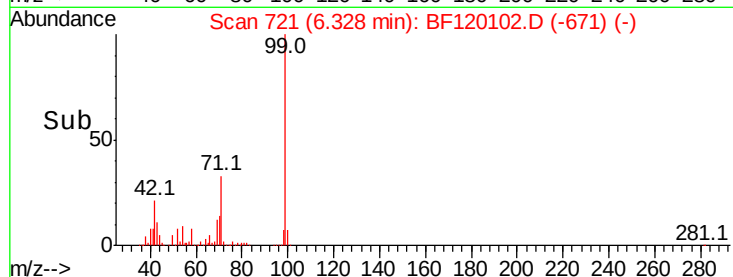
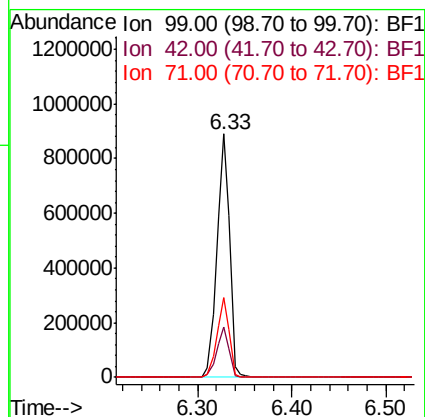
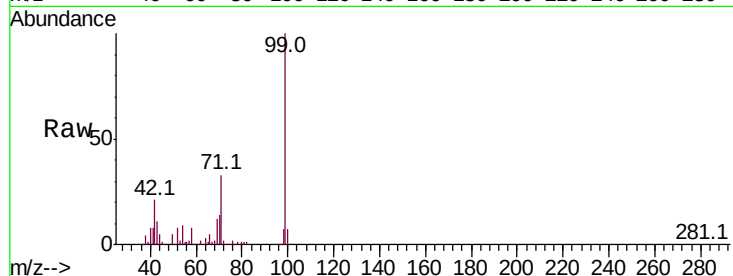
ClientSampleId :

TP-17-16-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		848787		
42	20.9	16.9	25.3		
71	33.0	26.3	39.5		

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:03 AM



#21

Naphthalene-d8

Concen: 20.000 ng

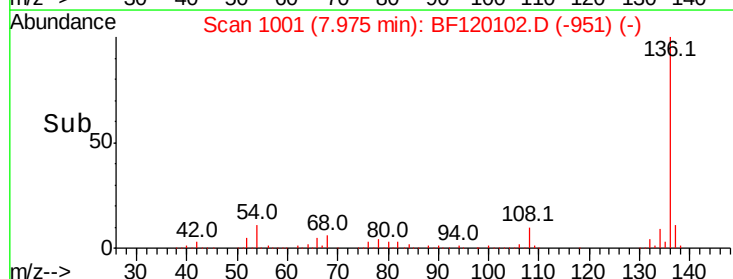
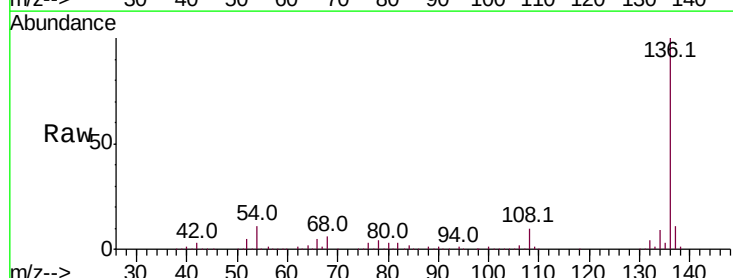
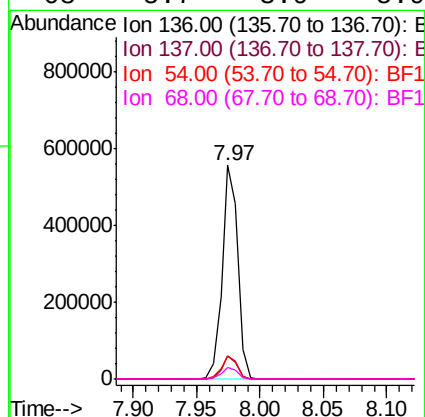
RT: 7.97 min Scan# 1001

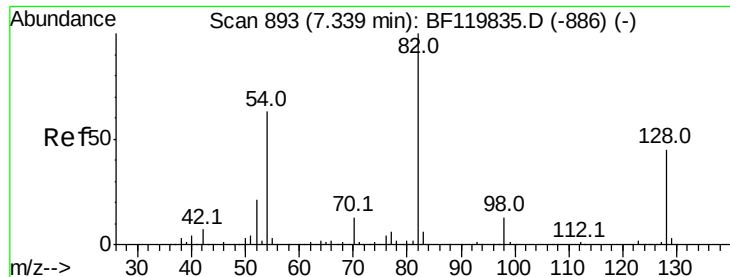
Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		478874		
137	11.0	8.7	13.1		
54	10.8	8.5	12.7		
68	5.7	3.9	5.9		





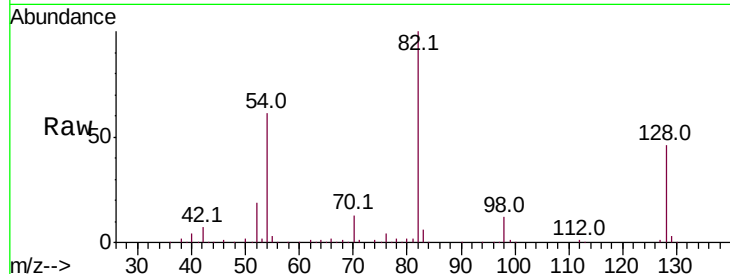
#23
Nitrobenzene-d5
Concen: 57.563 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Instrument :
BNA_F
ClientSampleId :
TP-17-16-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.2	54.4
54	61.4	50.4	75.6

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:03 AM

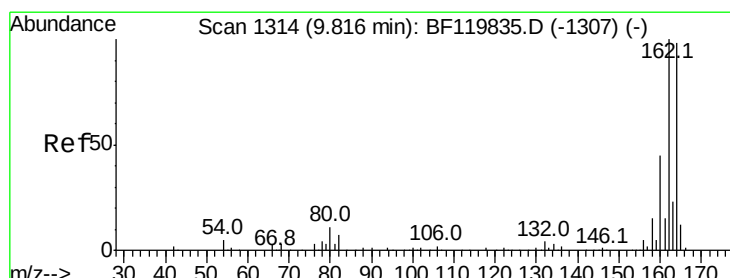
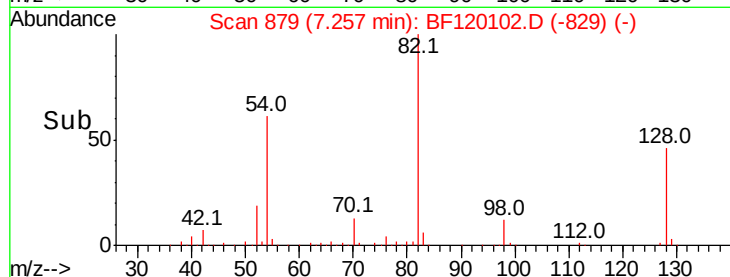
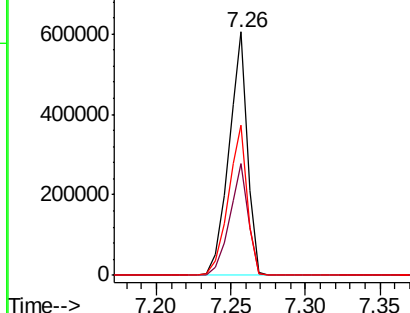


Abundance

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: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

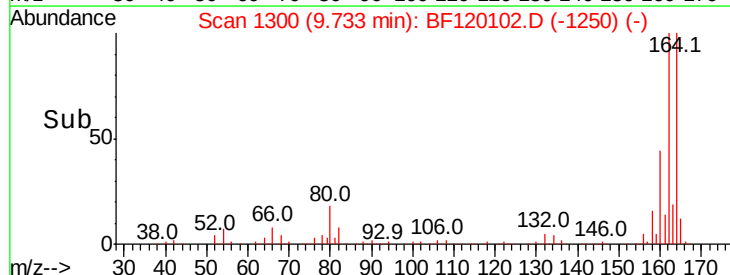
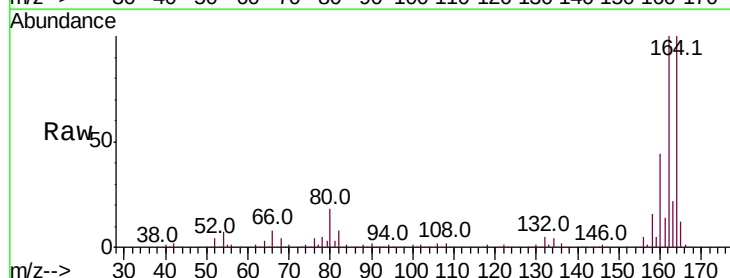
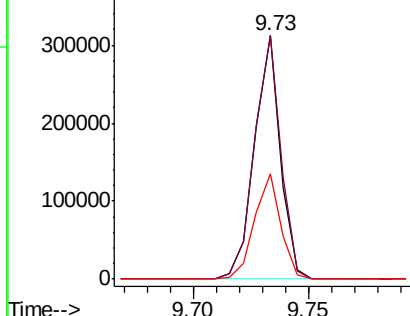
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.9	122.9
160	43.5	36.6	54.8

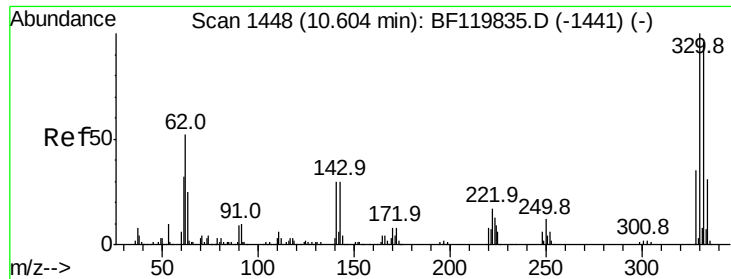
Abundance

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





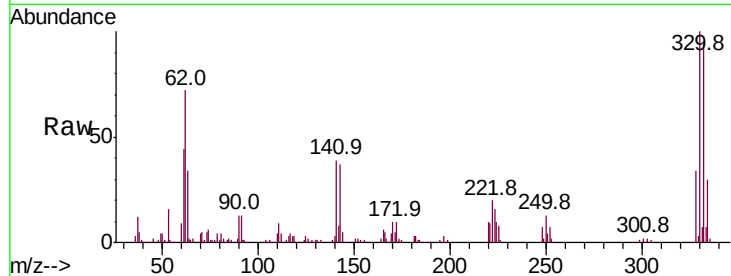
#42
 2,4,6-Tribromophenol
 Concen: 72.533 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-16-COMP

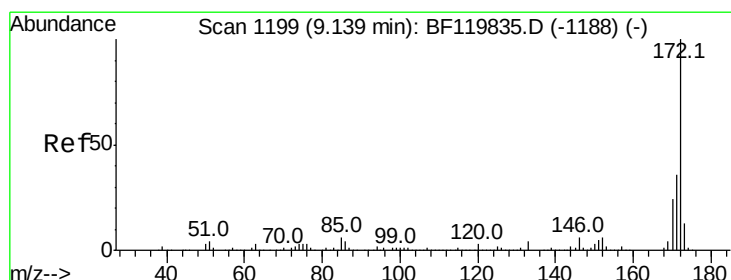
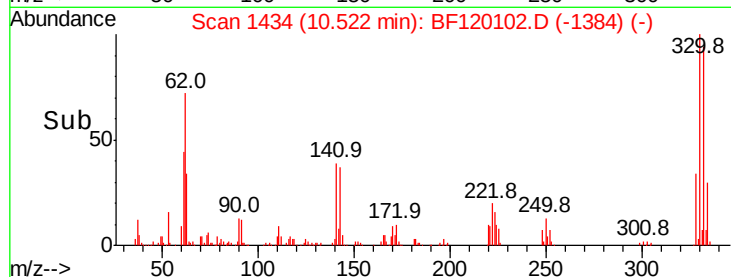
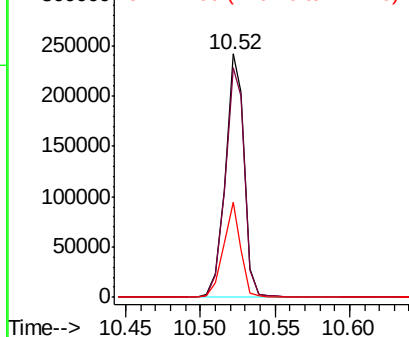
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.8	115.2
141	36.2	25.1	37.7

Manual Integrations
 APPROVED

mohammad
 4/24/2020 4:17:03 AM

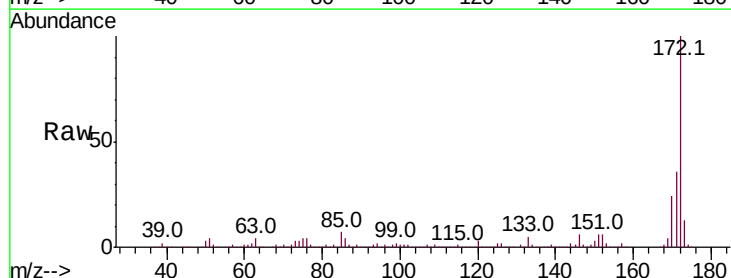


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

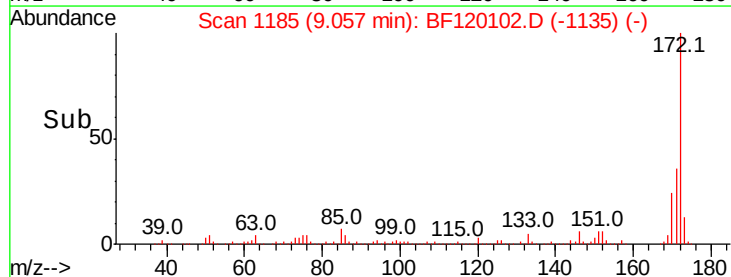
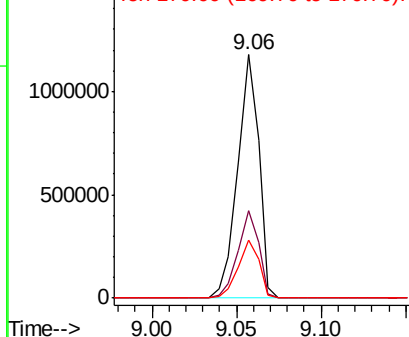


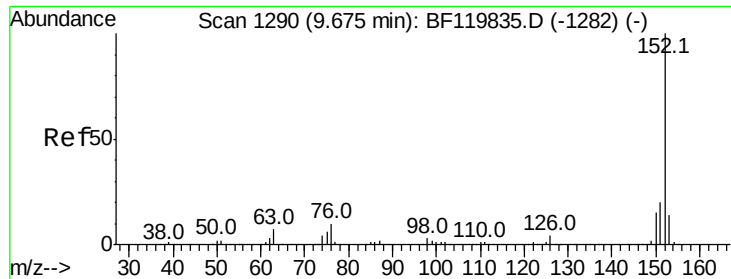
#45
 2-Fluorobiphenyl
 Concen: 59.598 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.9	43.3
170	24.1	19.4	29.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.012 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

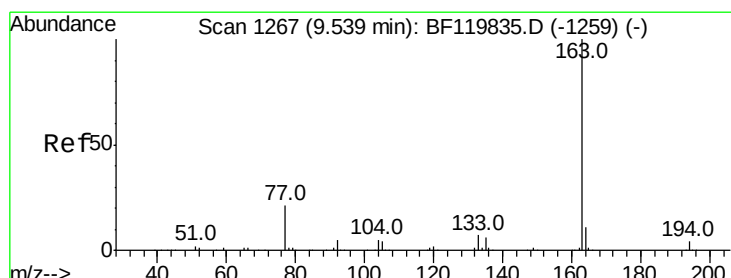
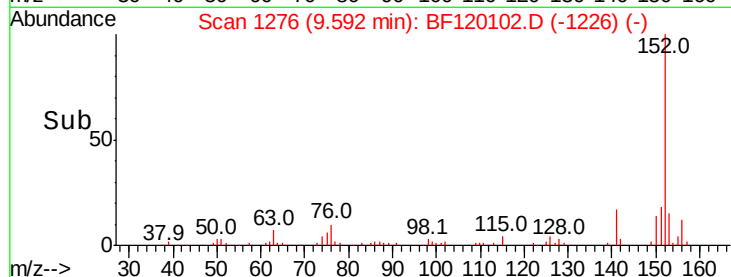
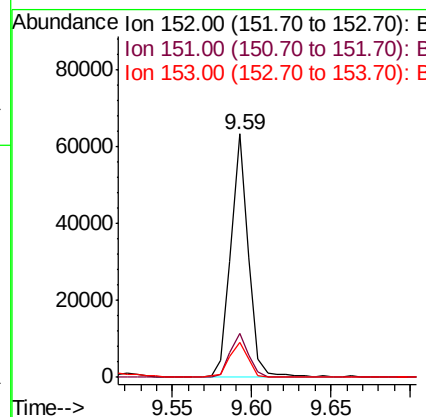
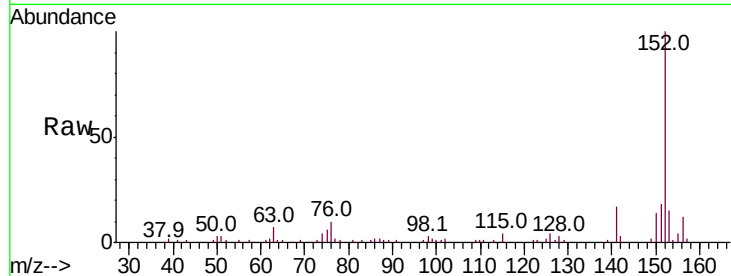
ClientSampleId :

TP-17-16-COMP

Tot Ion:	152	Resp:	48604
Ion Ratio	Lower	Upper	
152	100		
151	17.9	16.2	24.4
153	14.5	10.9	16.3

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:03 AM



#50

Dimethylphthalate

Concen: 5.861 ng

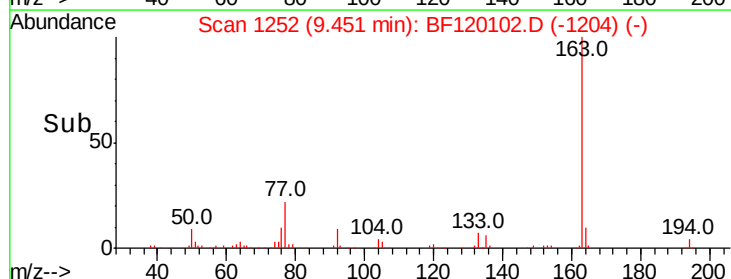
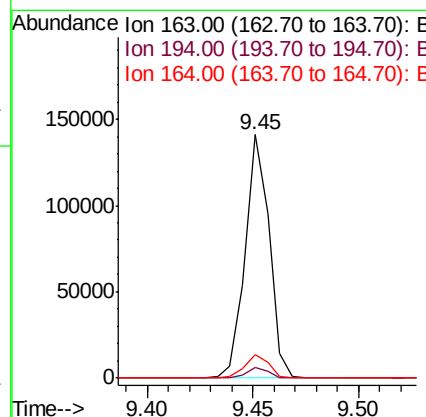
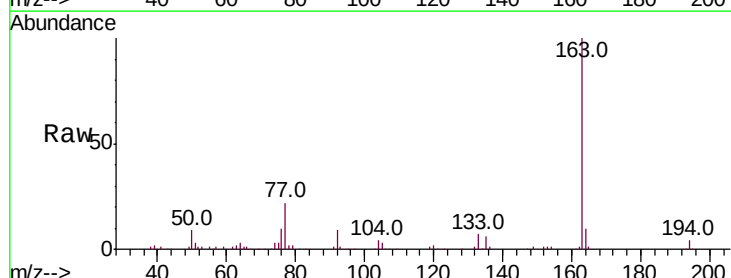
RT: 9.45 min Scan# 1252

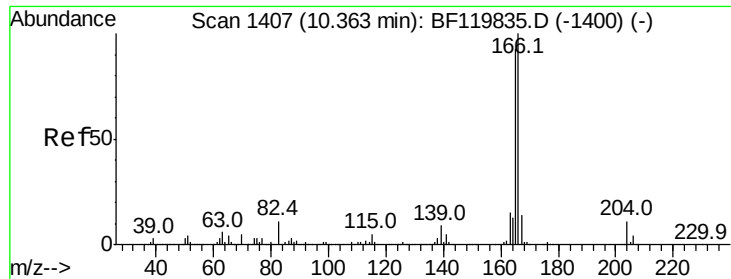
Delta R.T. -0.02 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Tgt Ion:	163	Resp:	110733
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.4
164	9.6	8.4	12.6





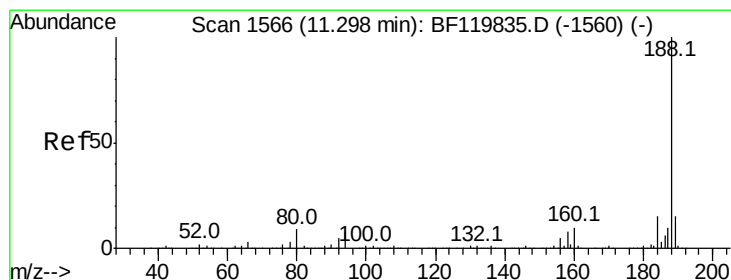
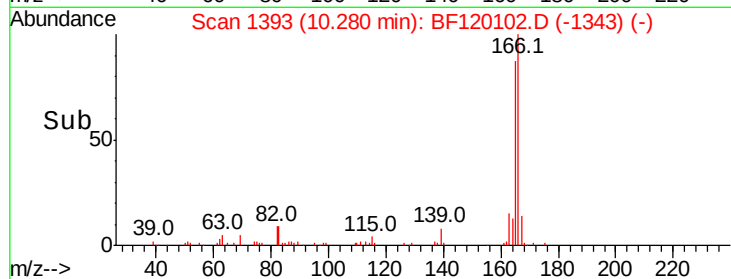
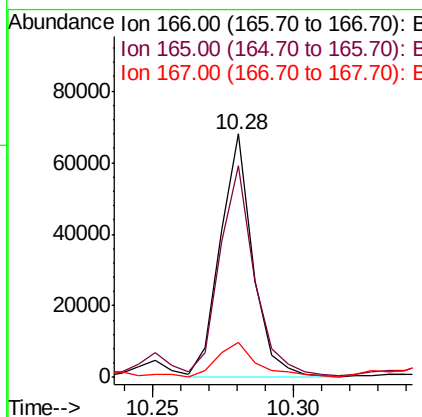
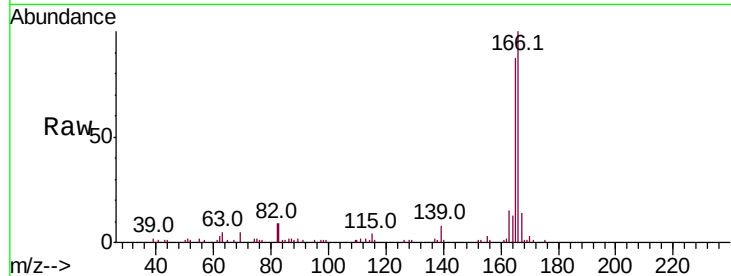
#58
 Fluorene
 Concen: 3.090 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-16-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	86.8	74.2	111.2
167	14.2	10.8	16.2

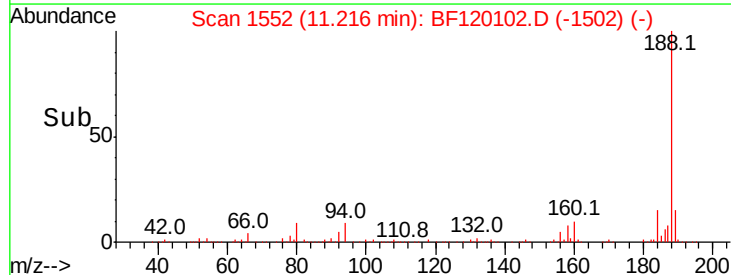
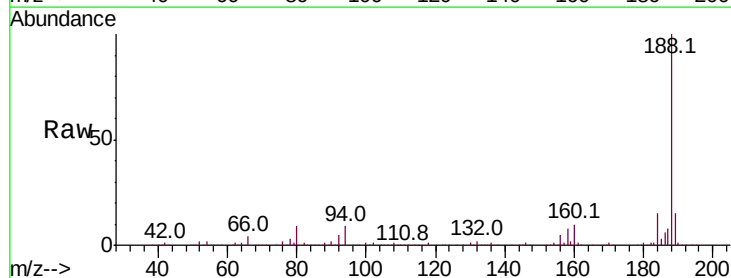
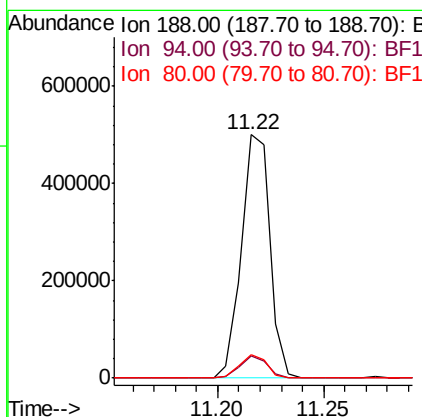
Manual Integrations
 APPROVED

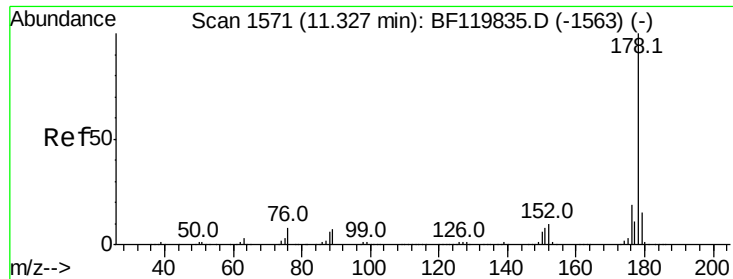
mohammad
 4/24/2020 4:17:03 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.7	10.1
80	9.5	7.4	11.2





#71

Phenanthrene

Concen: 13.232 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

ClientSampleId :

TP-17-16-COMP

Tot Ion:178 Resp: 329203

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

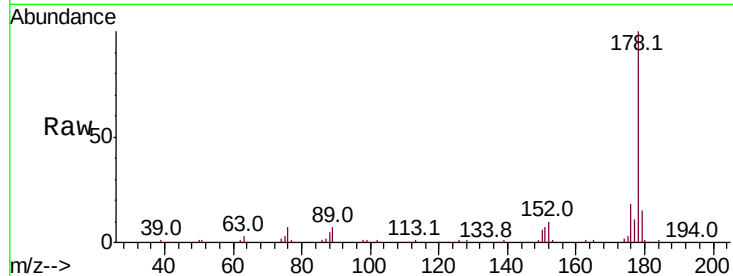
179 15.0 12.2 18.4

Manual Integrations

APPROVED

mohammad

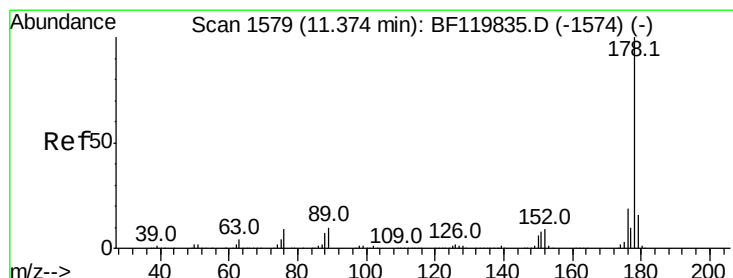
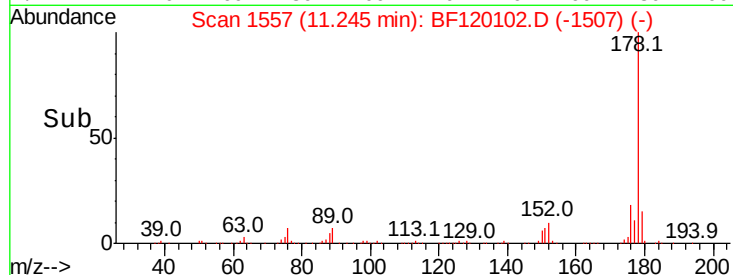
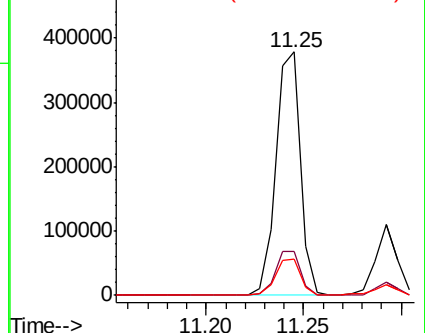
4/24/2020 4:17:03 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.240 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

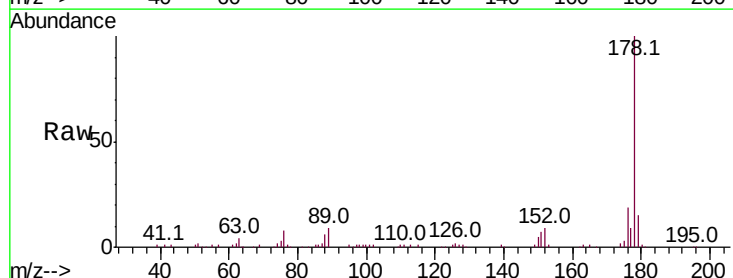
Tgt Ion:178 Resp: 82349

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

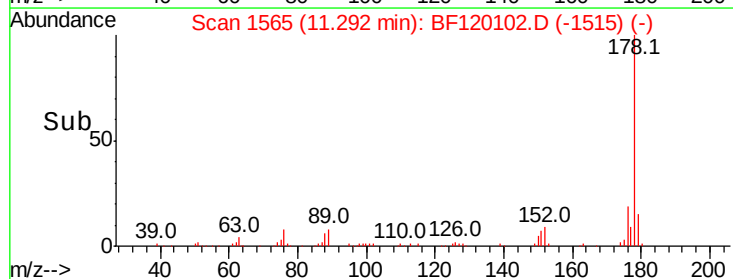
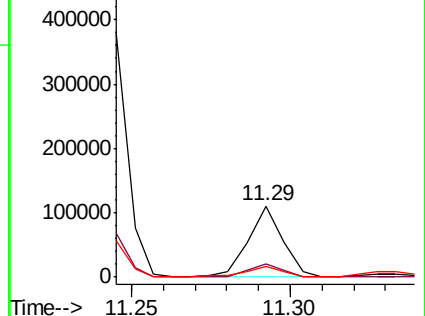
179 15.3 12.8 19.2

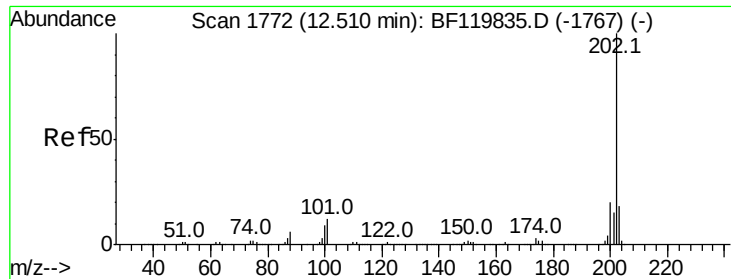


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.220 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

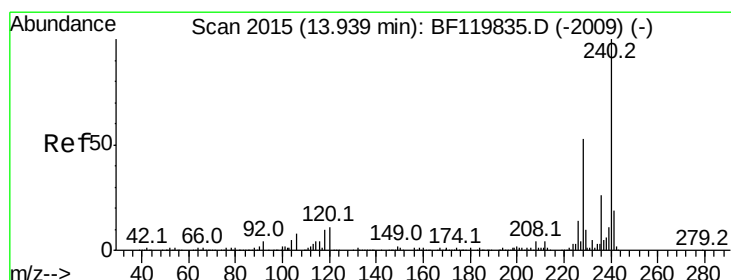
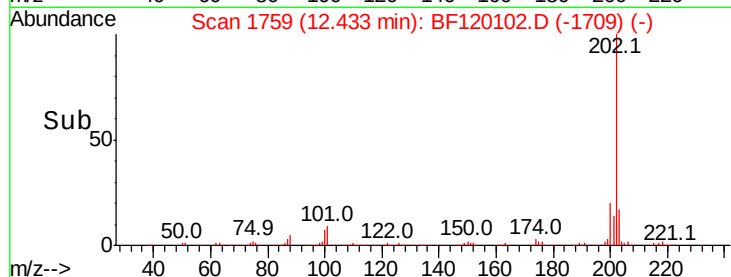
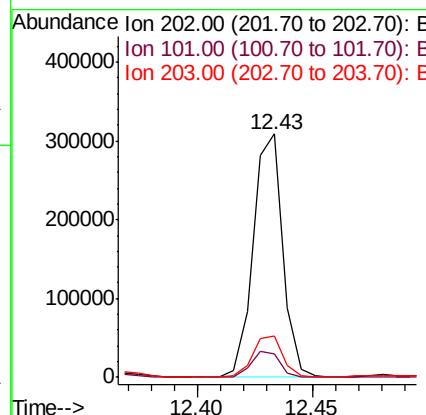
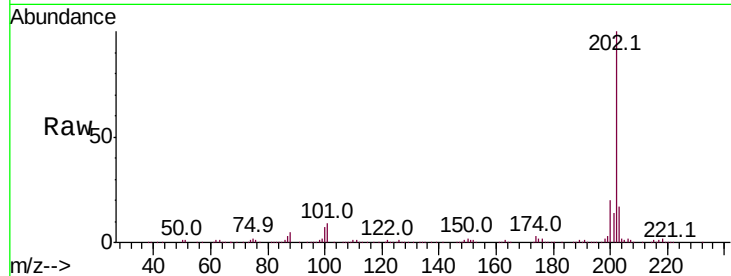
ClientSampleId :

TP-17-16-COMP

Tot Ion:	202	Resp:	274350
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	32.3
203	17.2	0.0	37.6

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:03 AM



#76

Chrysene-d12

Concen: 20.000 ng

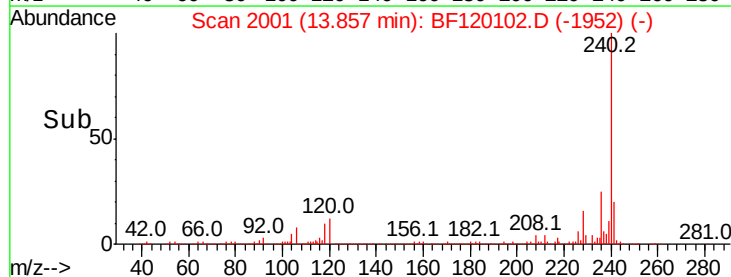
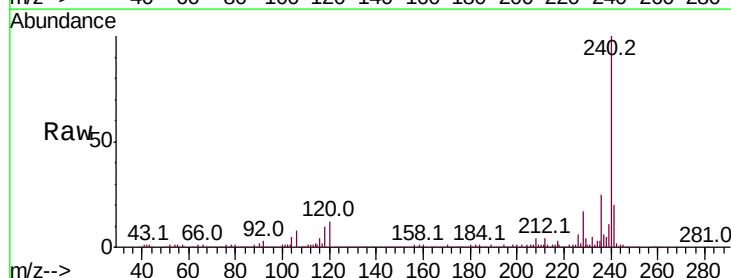
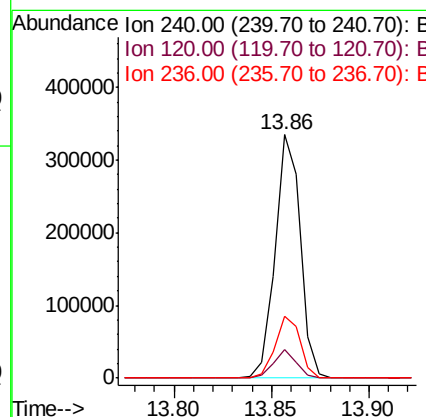
RT: 13.86 min Scan# 2001

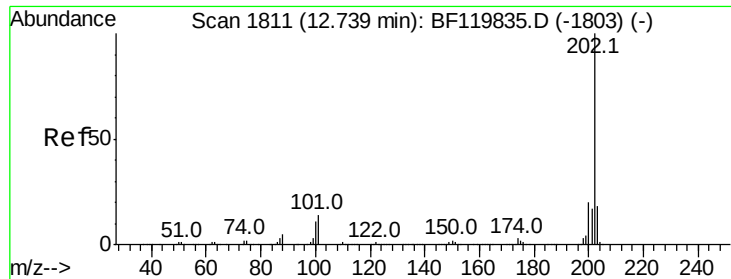
Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Tgt Ion:	240	Resp:	297794
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.0	13.6
236	25.4	20.7	31.1





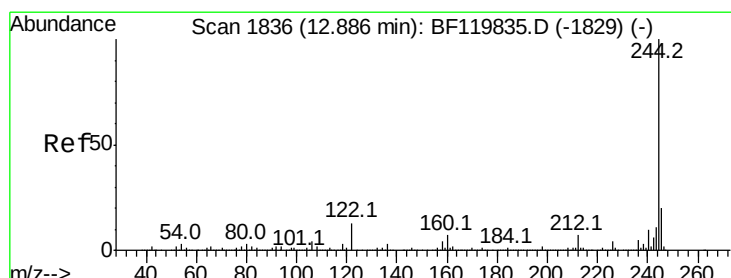
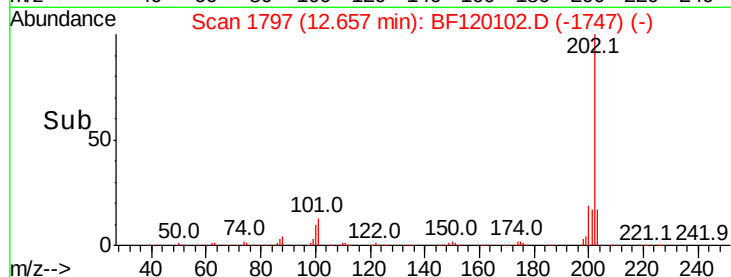
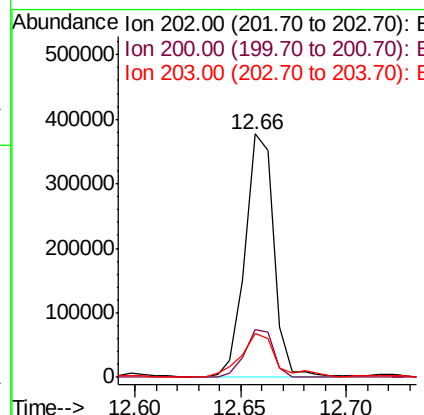
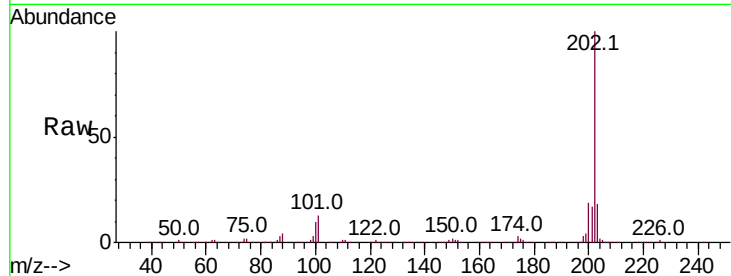
#78
Pvrene
Concen: 14.083 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Instrument :
BNA_F
ClientSampleId :
TP-17-16-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.4	16.2	24.2
203	18.1	14.1	21.1

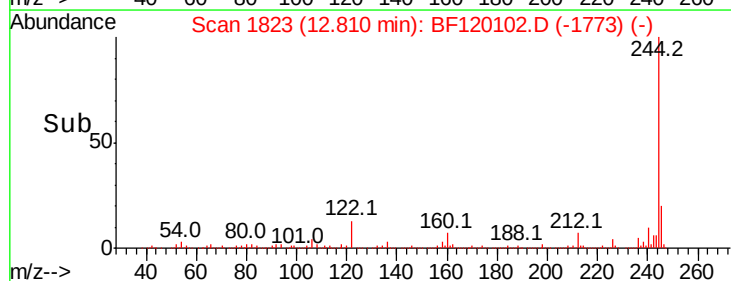
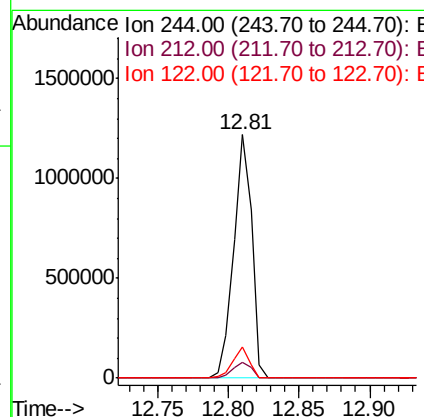
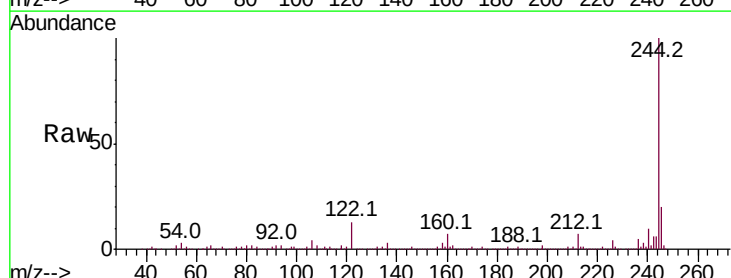
Manual Integrations
APPROVED

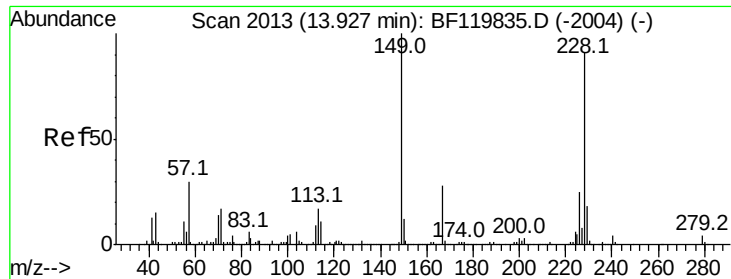
mohammad
4/24/2020 4:17:03 AM



#79
Terphenyl-d14
Concen: 61.338 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.6	10.3	15.5





#81

Benzo(a)anthracene

Concen: 7.535 ng m

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

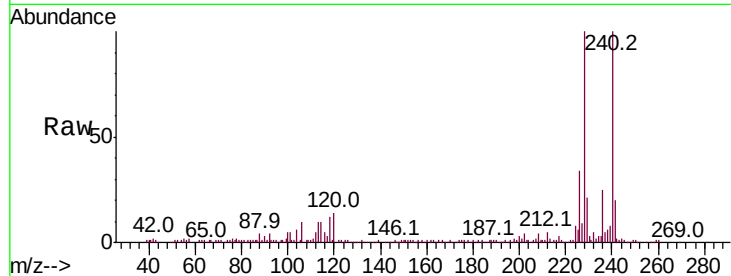
ClientSampleId :

TP-17-16-COMP

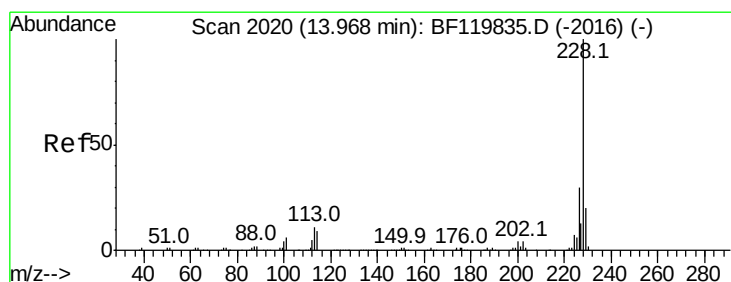
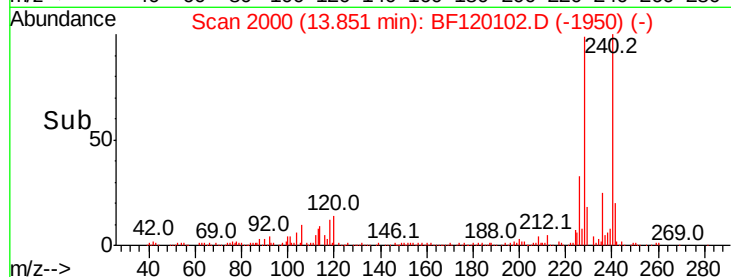
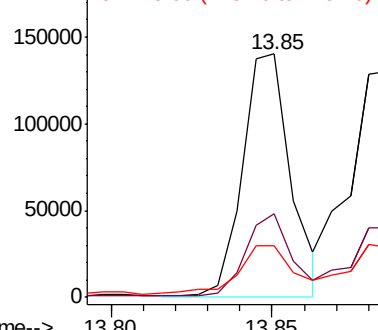
Tot Ion:	228	Resp:	147608
Ion Ratio	Lower	Upper	
228	100		
226	34.5	21.9	32.9#
229	21.2	15.9	23.9

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:03 AM



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: 7.346 ng

RT: 13.89 min Scan# 2006

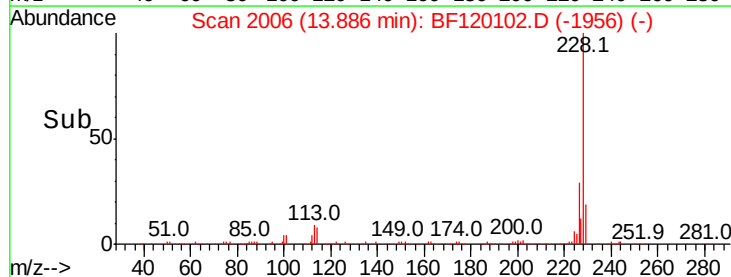
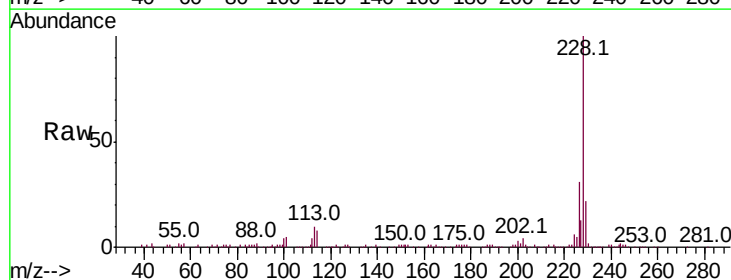
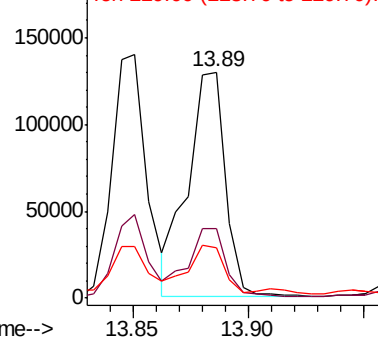
Delta R.T. -0.01 min

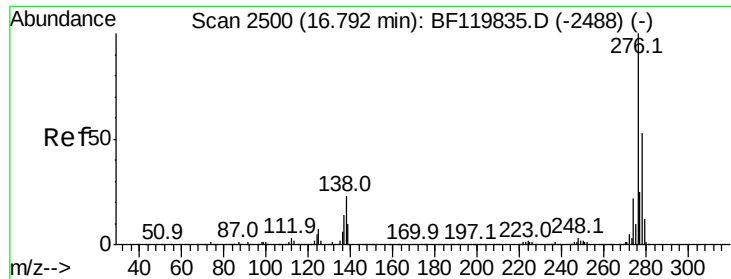
Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Tgt Ion:	228	Resp:	146233
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.2	36.2
229	22.0	15.9	23.9

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

Indeno(1,2,3-cd)pyrene

Concen: 5.008 ng

RT: 16.64 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

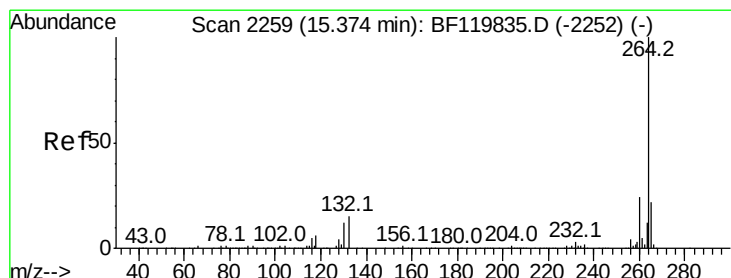
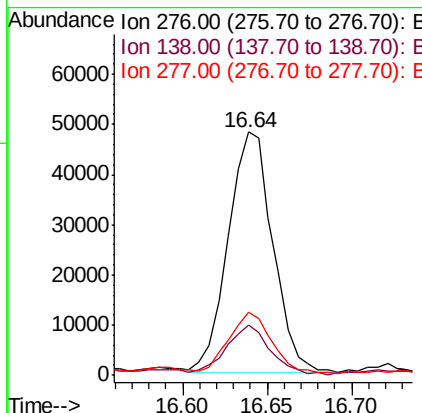
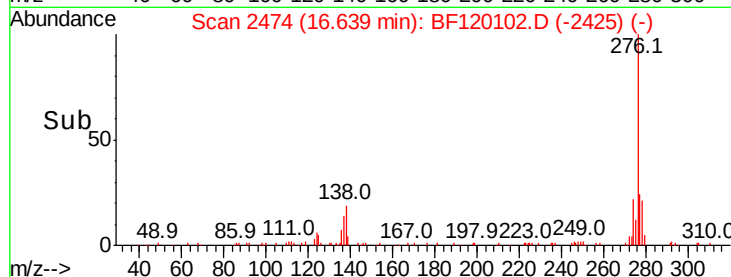
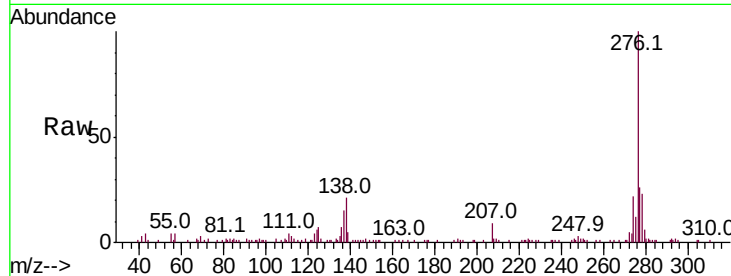
ClientSampleId :

TP-17-16-COMP

Tot Ion:	276	Resp:	87872
Ion Ratio	Lower	Upper	
276	100		
138	21.0	18.0	27.0
277	24.1	20.1	30.1

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:03 AM



#87

Perylene-d12

Concen: 20.000 ng

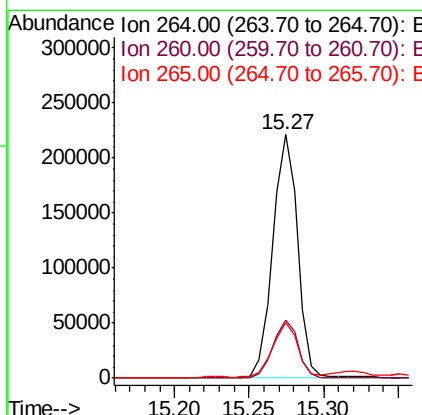
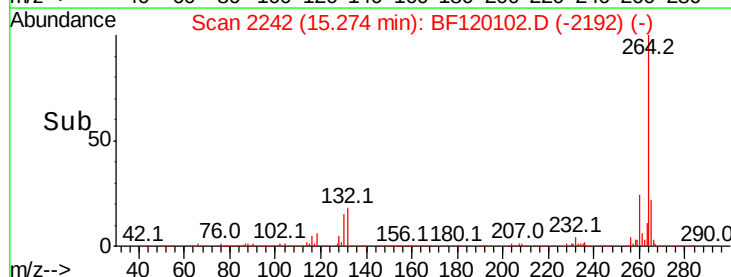
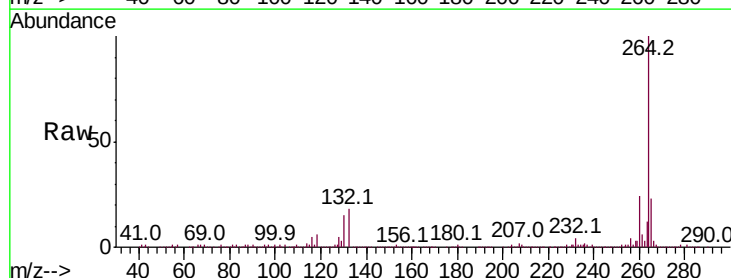
RT: 15.27 min Scan# 2242

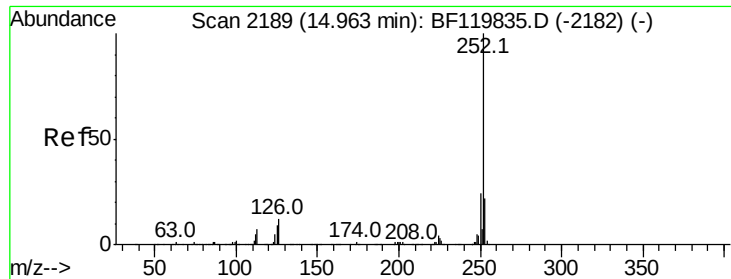
Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Tgt Ion:	264	Resp:	256586
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.3	28.9
265	22.6	17.6	26.4





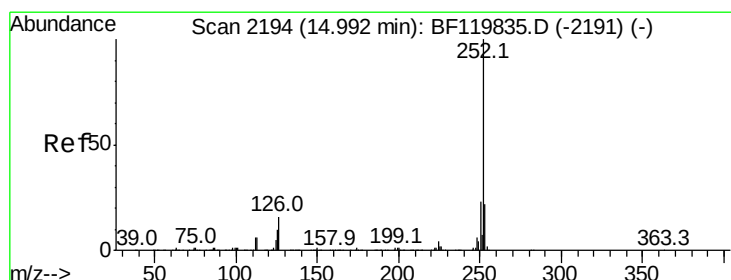
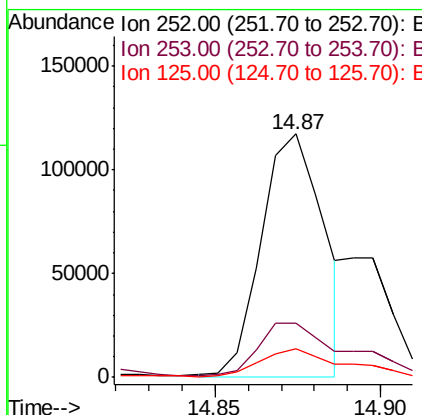
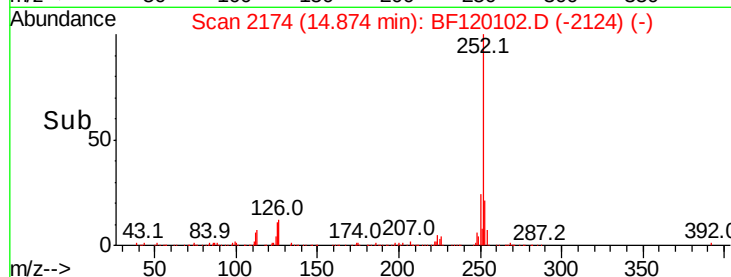
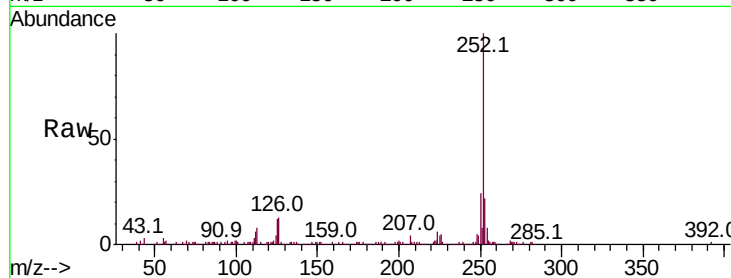
#88
Benzo(b)fluoranthene
Concen: 8.320 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Instrument :
BNA_F
ClientSampleId :
TP-17-16-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.9	7.4	11.2

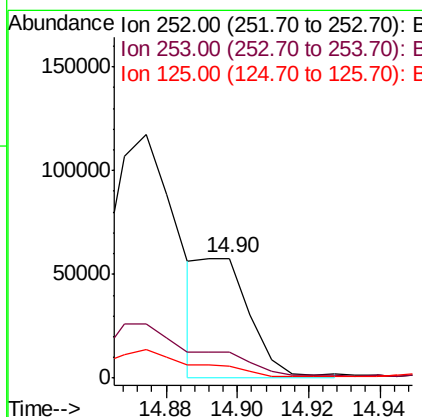
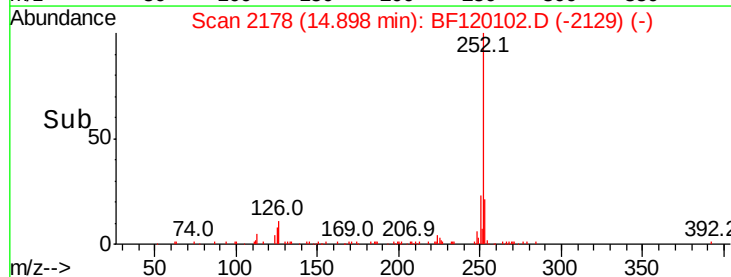
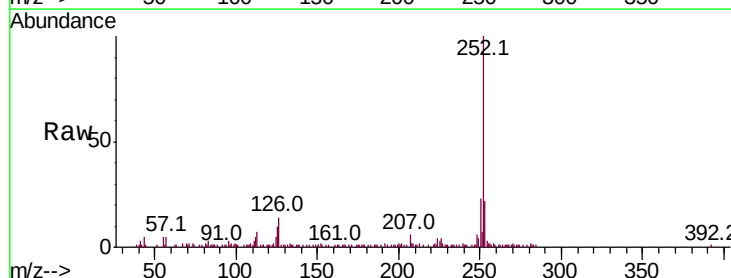
Manual Integrations
APPROVED

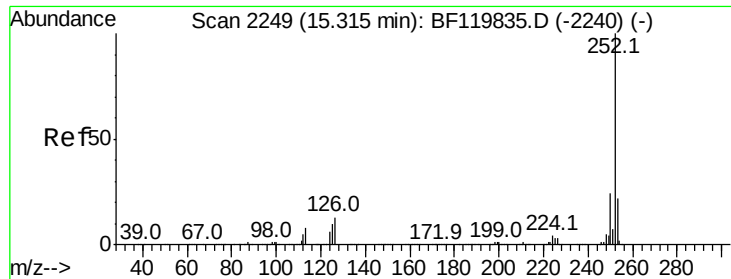
mohammad
4/24/2020 4:17:03 AM



#89
Benzo(k)fluoranthene
Concen: 3.552 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	9.6	7.7	11.5





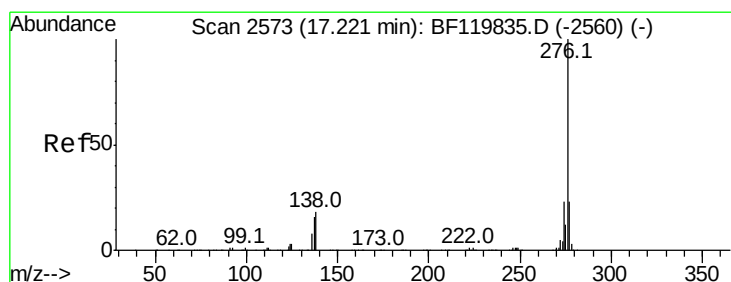
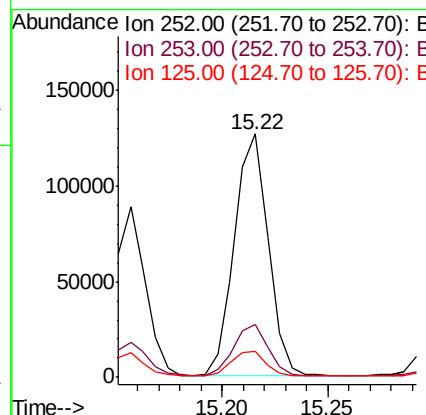
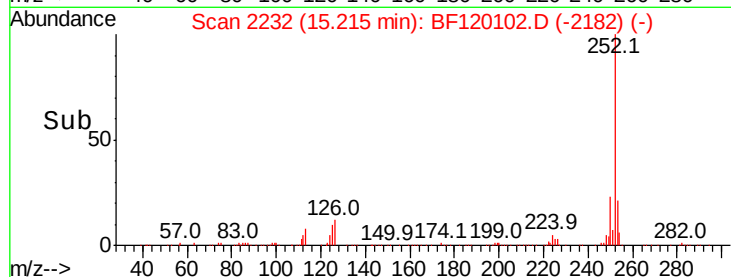
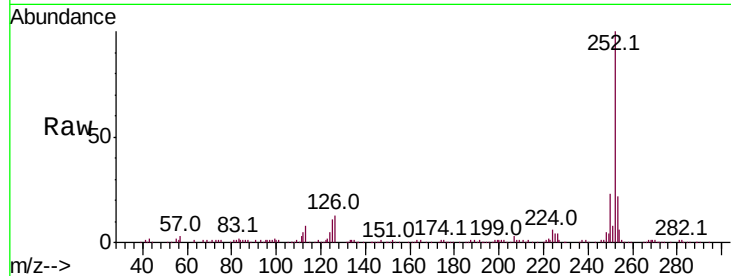
#90
Benzo(a)pyrene
Concen: 9.055 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Instrument :
BNA_F
ClientSampleId :
TP-17-16-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	10.6	8.3	12.5

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:03 AM



#92
Benzo(g,h,i)perylene
Concen: 7.201 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.02 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.5	27.7
138	20.3	14.6	22.0

