

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042120\
 Data File : BF120110.D
 Acq On : 21 Apr 2020 18:52
 Operator : MA/SJ
 Sample : L2342-19 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-COMP

Manual Integrations
 APPROVED

mohammad
 4/24/2020 4:17:10 AM

Quant Time: Apr 22 03:20:32 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	123628	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	480119	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	238295	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	413373	20.00	ng	0.00
76) Chrysene-d12	13.86	240	236897	20.00	ng	-0.01
87) Perylene-d12	15.27	264	251210	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	105168	14.70	ng	0.00
7) Phenol-d6	6.33	99	142775	15.49	ng	0.00
23) Nitrobenzene-d5	7.25	82	95357	10.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.52	330	29929	10.26	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	195496	11.65	ng	0.00
79) Terphenyl-d14	12.80	244	154873	11.00	ng	-0.01
Target Compounds						
31) Naphthalene	8.00	128	164740	6.522	ng	98
37) 2-Methylnaphthalene	8.69	142	75327	4.398	ng	97
38) 1-Methylnaphthalene	8.79	142	98861	6.125	ng	98
49) Acenaphthylene	9.59	152	68939	2.926	ng	98
52) Acenaphthene	9.76	154	37931	2.413	ng	99
55) Dibenzofuran	9.94	168	50810	2.356	ng	# 92
58) Fluorene	10.28	166	112236	6.506	ng	100
71) Phenanthrene	11.25	178	531833	24.174	ng	100
72) Anthracene	11.29	178	138440	6.160	ng	99
75) Fluoranthene	12.43	202	385386	16.235	ng	97
78) Pyrene	12.66	202	428035	21.433	ng	98
81) Benzo(a)anthracene	13.84	228	167695	10.760	ng	95
83) Chrysene	13.88	228	158273	9.995	ng	99
86) Indeno(1,2,3-cd)pyrene	16.64	276	94183	6.747	ng	97
88) Benzo(b)fluoranthene	14.87	252	185768m	10.280	ng	
89) Benzo(k)fluoranthene	14.90	252	66608m	4.272	ng	
90) Benzo(a)pyrene	15.22	252	164982	10.858	ng	98
92) Benzo(g,h,i)perylene	17.06	276	86237	6.491	ng	94

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

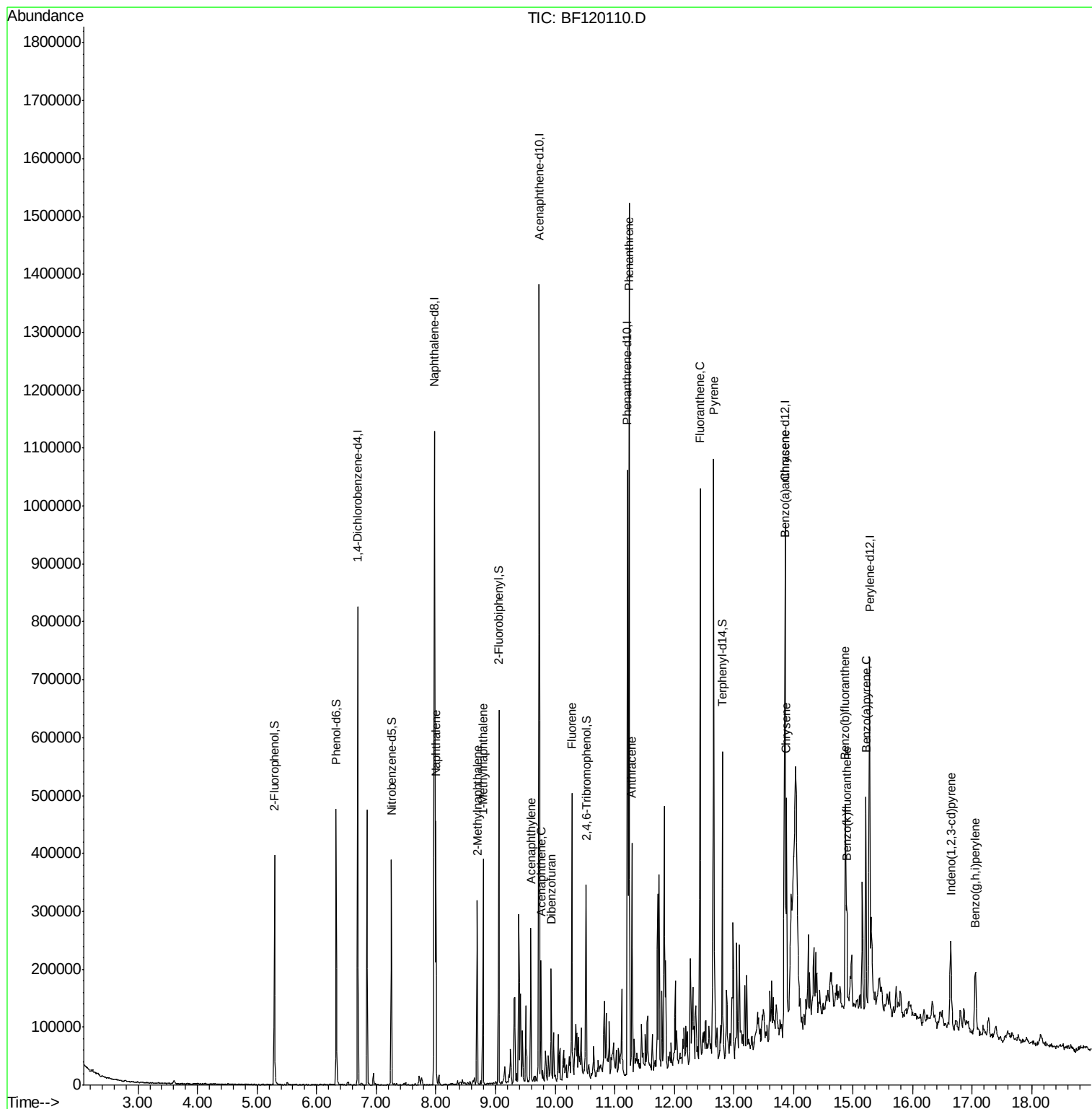
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042120\
Data File : BF120110.D
Acq On : 21 Apr 2020 18:52
Operator : MA/SJ
Sample : L2342-19 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

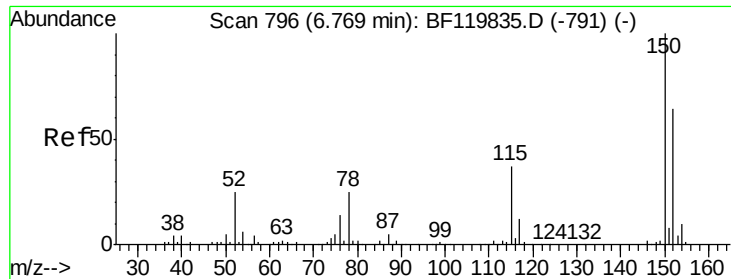
Instrument :
BNA_F
ClientSampleId :
TP-15-COMP

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:10 AM

Quant Time: Apr 22 03:20:32 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





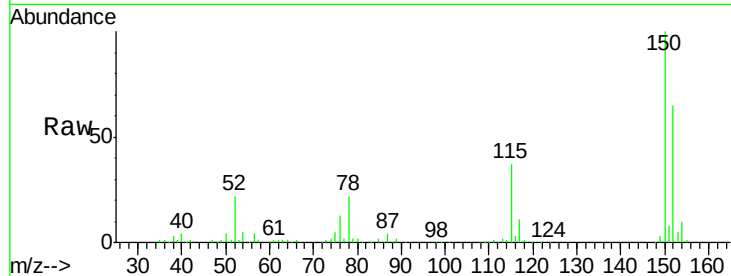
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF120110.D
 Acq: 21 Apr 2020 18:52

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.8	187.2
115	57.2	46.5	69.7

Manual Integrations
 APPROVED

mohammad
 4/24/2020 4:17:10 AM



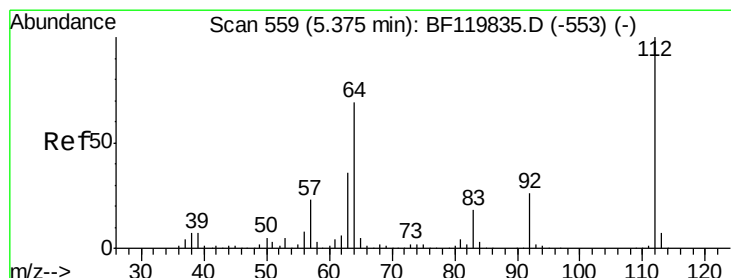
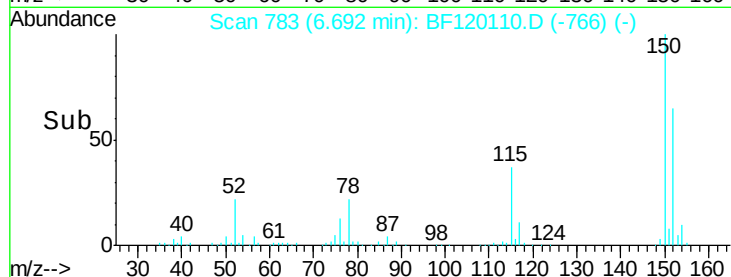
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

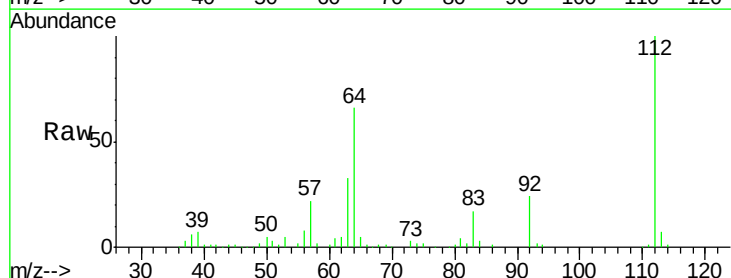
Ion 115.00 (114.70 to 115.70): E

Time-->



#5
 2-Fluorophenol
 Concen: 14.701 ng
 RT: 5.29 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: BF120110.D
 Acq: 21 Apr 2020 18:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	55.5	83.3
63	33.3	29.1	43.7



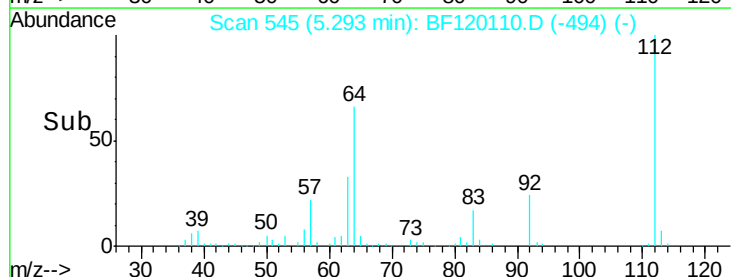
Abundance

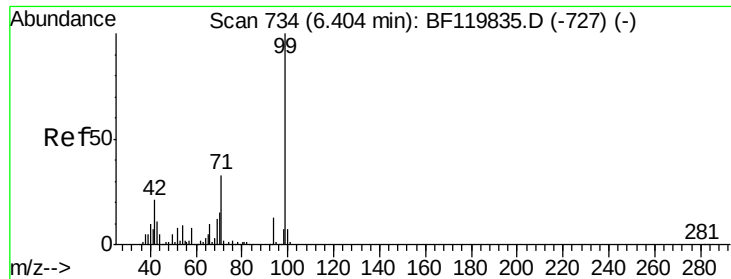
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 15.489 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Instrument :

BNA_F

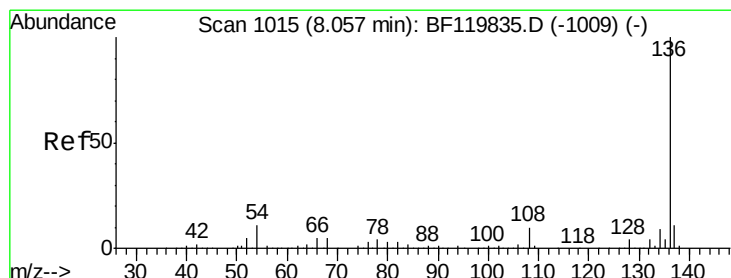
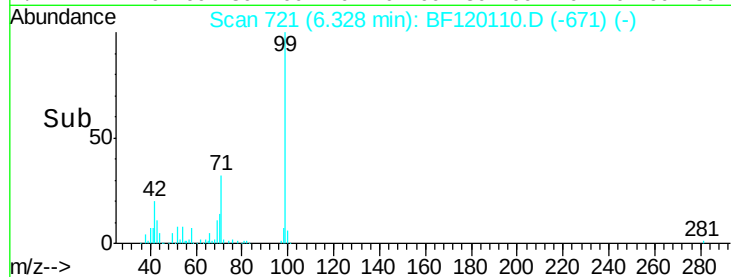
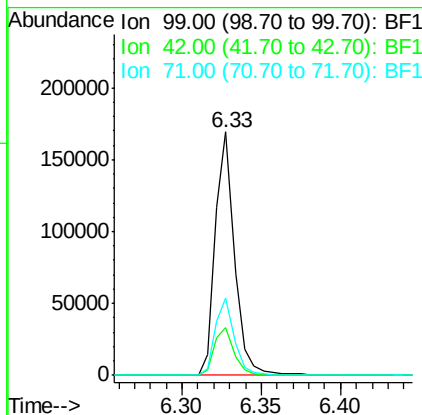
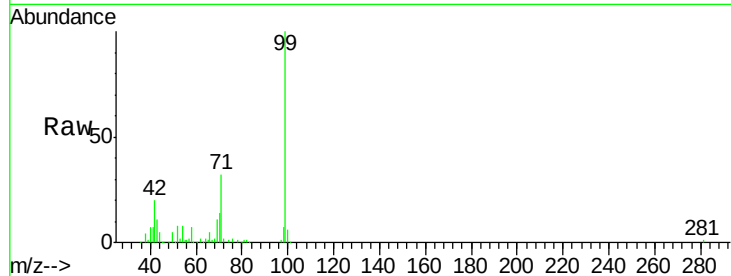
ClientSampleId :

TP-15-COMP

Tot Ion:	99	Resp:	142775
Ion Ratio	Lower	Upper	
99	100		
42	19.7	16.9	25.3
71	31.6	26.3	39.5

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:10 AM



#21

Naphthalene-d8

Concen: 20.000 ng

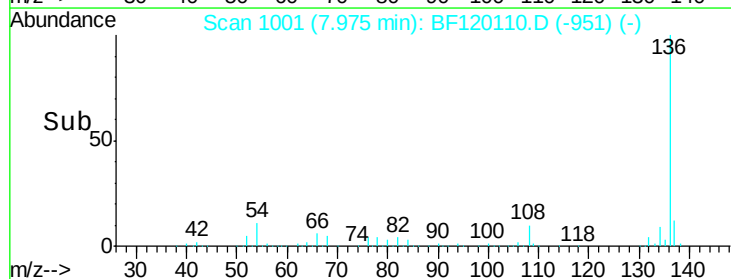
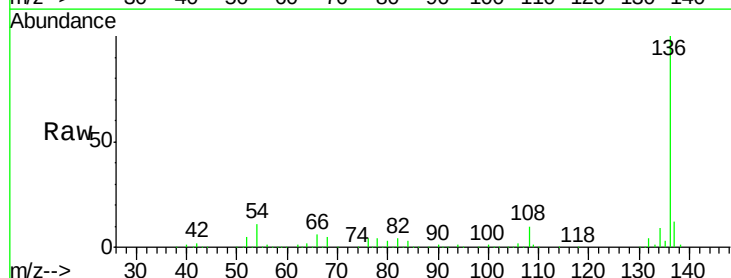
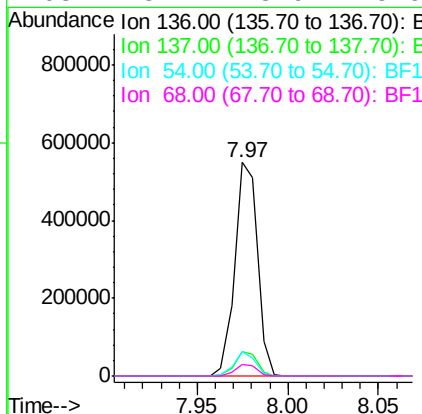
RT: 7.97 min Scan# 1001

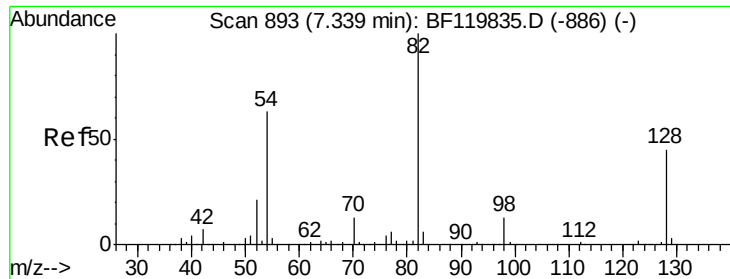
Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Tgt Ion:	136	Resp:	480119
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.7	13.1
54	11.2	8.5	12.7
68	5.4	3.9	5.9





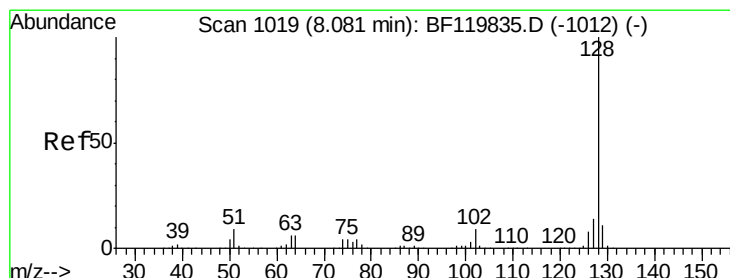
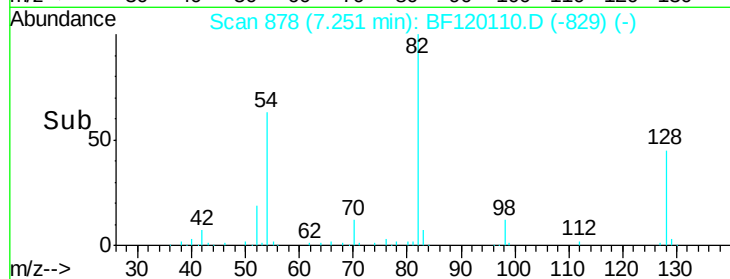
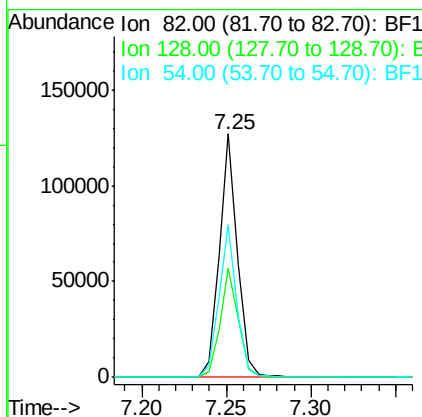
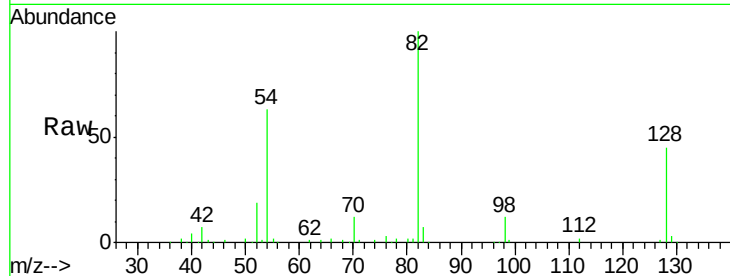
#23
Nitrobenzene-d5
Concen: 10.275 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Instrument :
BNA_F
ClientSampleId :
TP-15-COMP

Tot Ion	82	Resp	95357
Ion Ratio	100	Lower	Upper
128	44.7	36.2	54.4
54	62.7	50.4	75.6

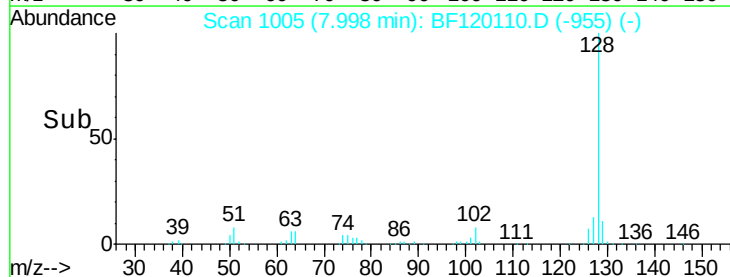
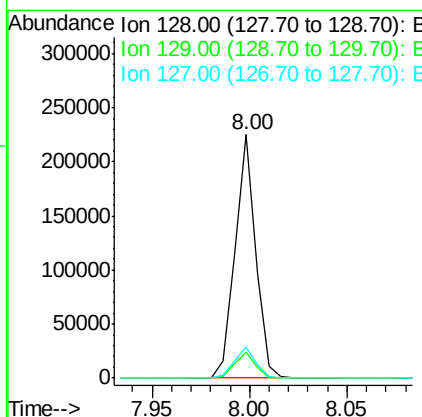
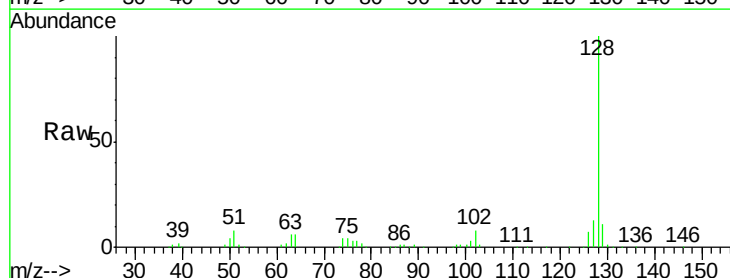
Manual Integrations
APPROVED

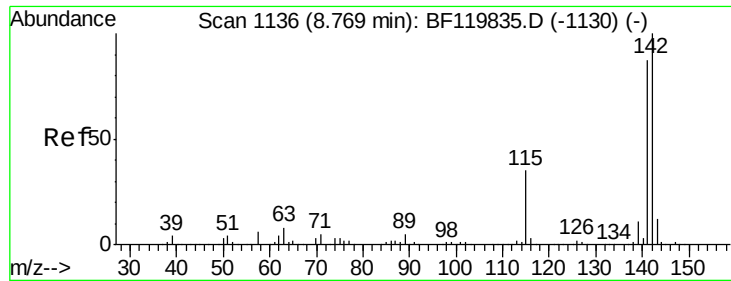
mohammad
4/24/2020 4:17:10 AM



#31
Naphthalene
Concen: 6.522 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Tgt Ion	128	Resp	164740
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	10.8	9.0	13.6
127	12.9	11.0	16.4





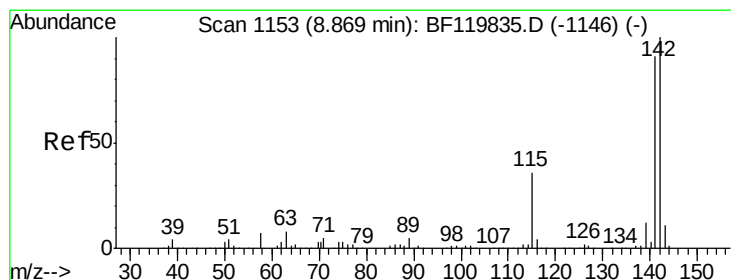
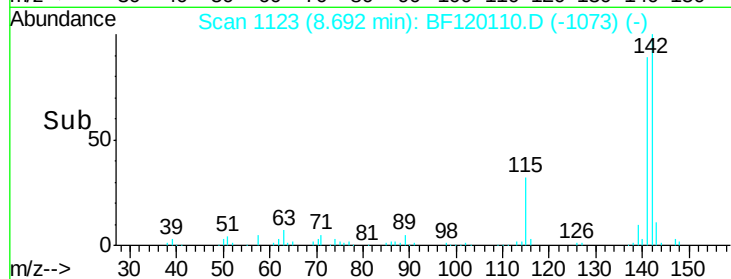
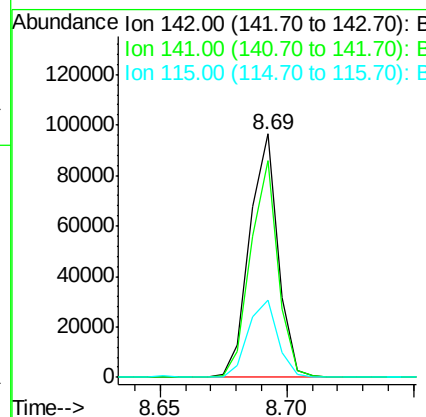
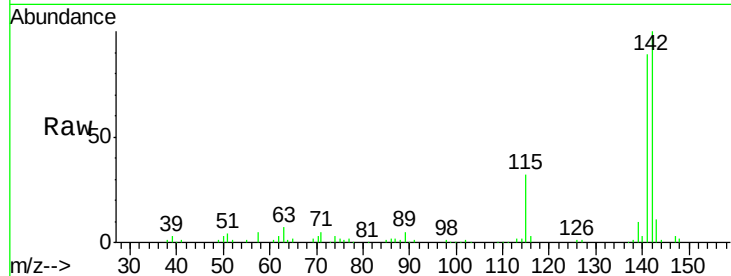
#37
2-Methylnaphthalene
Concen: 4.398 ng
RT: 8.69 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Instrument :
BNA_F
ClientSampleId :
TP-15-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	69.9	104.9
115	31.9	28.0	42.0

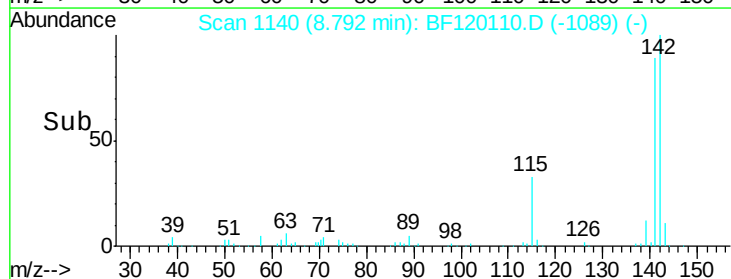
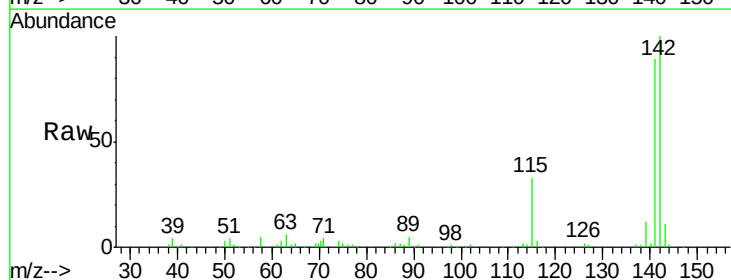
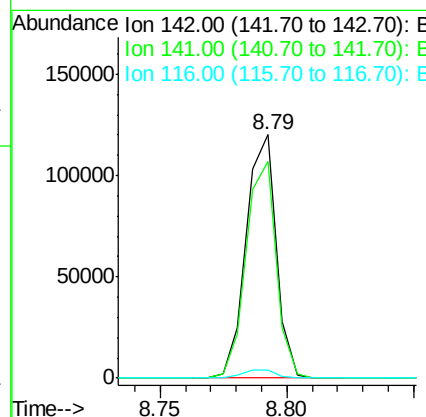
Manual Integrations
APPROVED

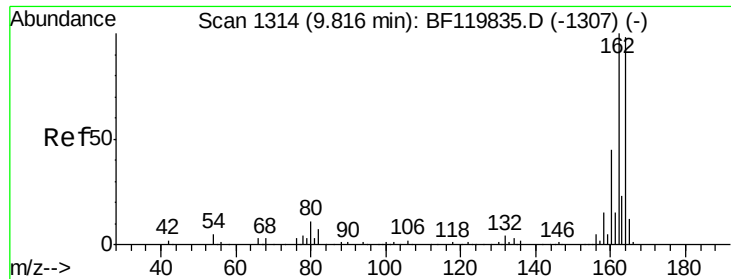
mohammad
4/24/2020 4:17:10 AM



#38
1-Methylnaphthalene
Concen: 6.125 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.9	109.3
116	3.2	3.0	4.6





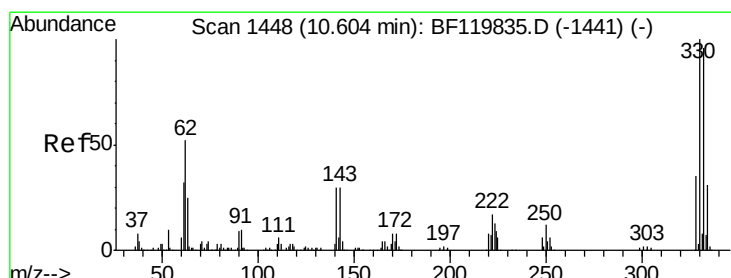
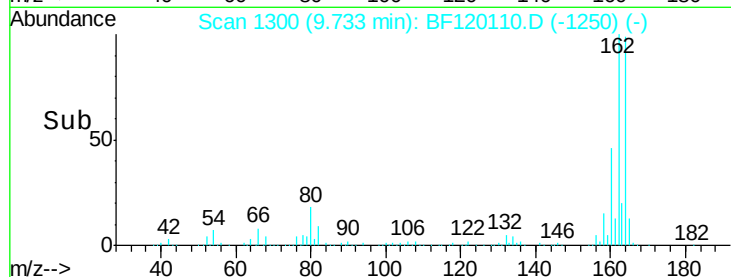
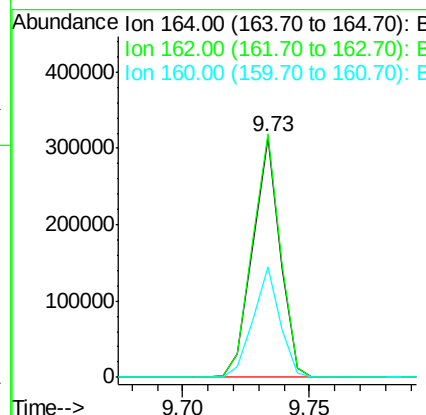
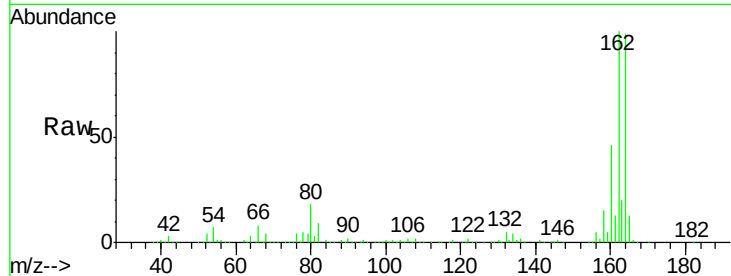
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Instrument :
BNA_F
ClientSampleId :
TP-15-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	81.9	122.9	
160	46.2	36.6	54.8	

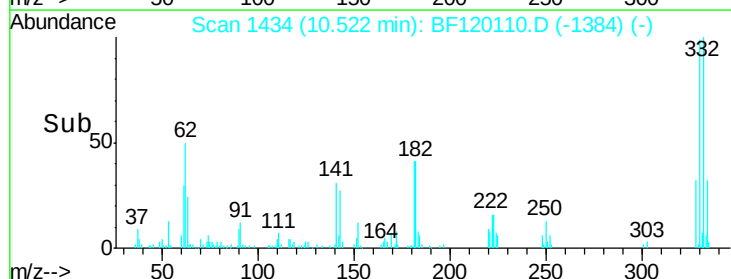
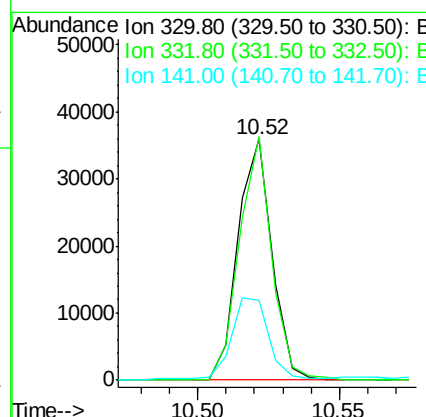
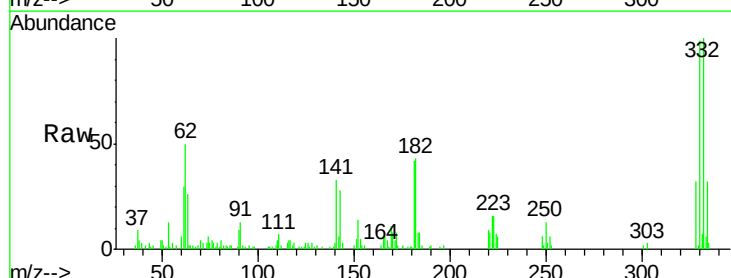
Manual Integrations
APPROVED

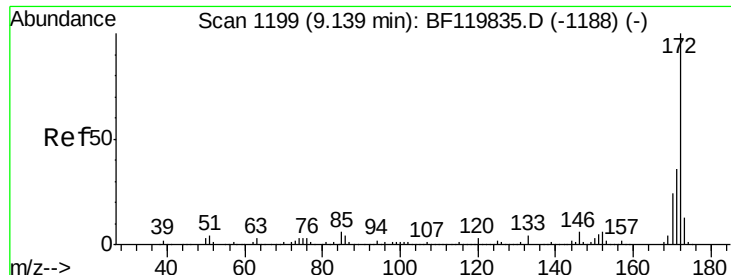
mohammad
4/24/2020 4:17:10 AM



#42
2,4,6-Tribromophenol
Concen: 10.258 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.8	115.2	
141	39.4	25.1	37.7#	





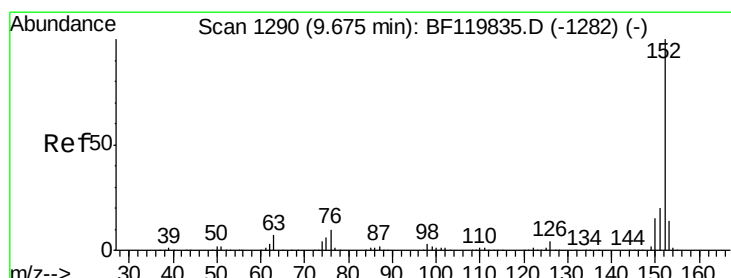
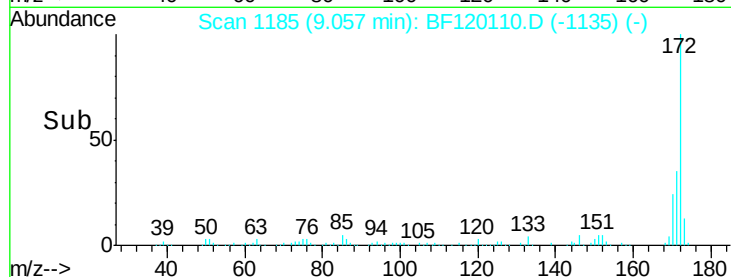
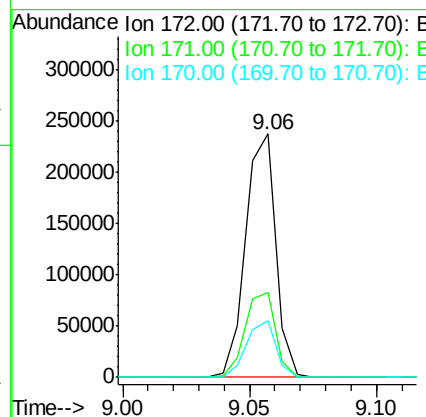
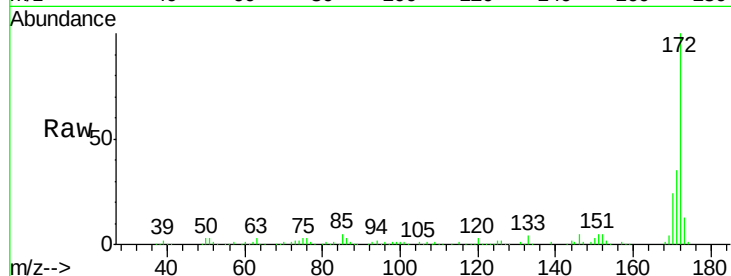
#45
2-Fluorobiphenyl
Concen: 11.648 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Instrument :
BNA_F
ClientSampleId :
TP-15-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	195496		
171	34.7		28.9	43.3
170	23.5		19.4	29.2

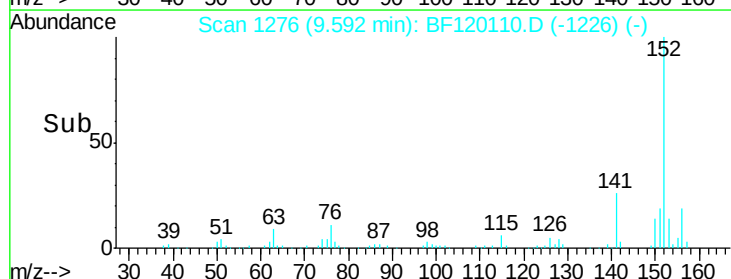
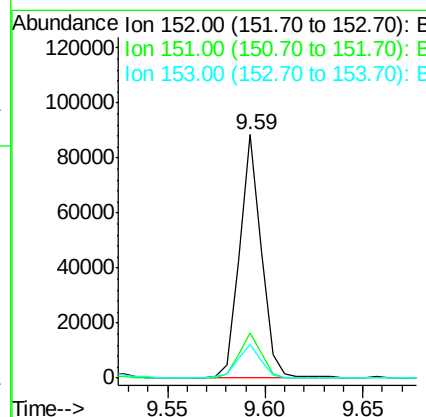
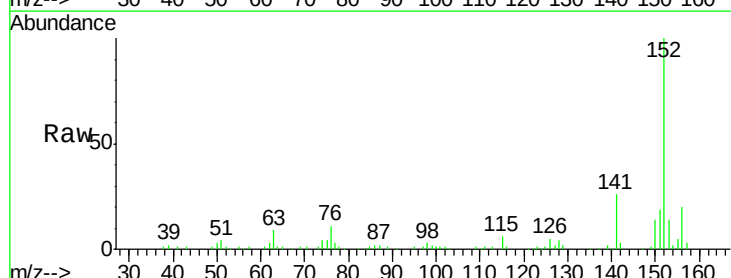
Manual Integrations
APPROVED

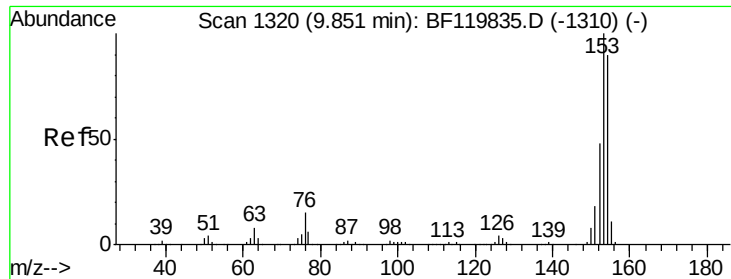
mohammad
4/24/2020 4:17:10 AM



#49
Acenaphthylene
Concen: 2.926 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	68939		
151	18.8		16.2	24.4
153	14.0		10.9	16.3





#52

Acenaphthene

Concen: 2.413 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Instrument :

BNA_F

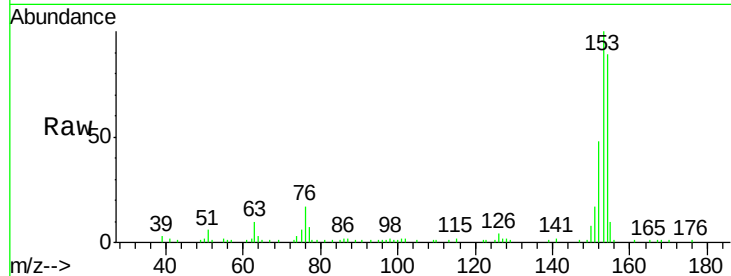
ClientSampleId :

TP-15-COMP

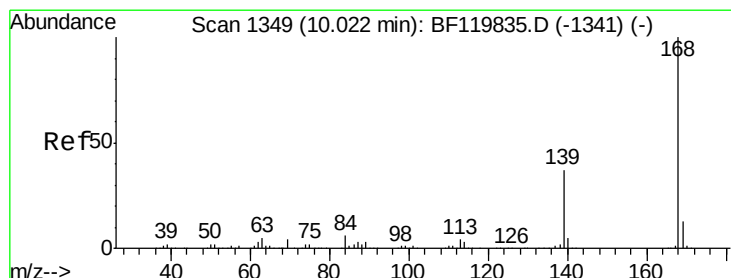
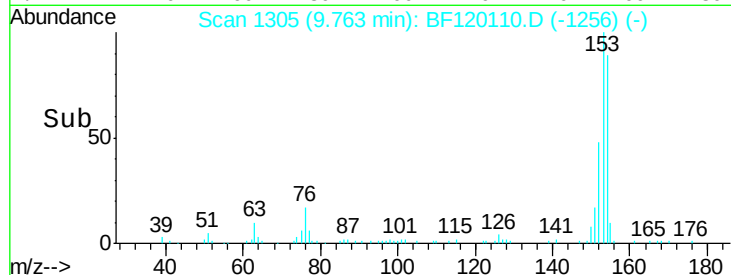
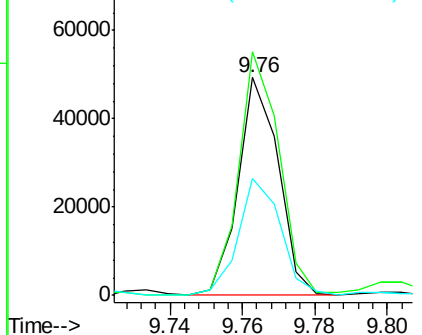
Tot Ion:	154	Resp:	37931
Ion Ratio	Lower	Upper	
154	100		
153	111.8	88.8	133.2
152	53.8	42.4	63.6

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:10 AM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.356 ng

RT: 9.94 min Scan# 1335

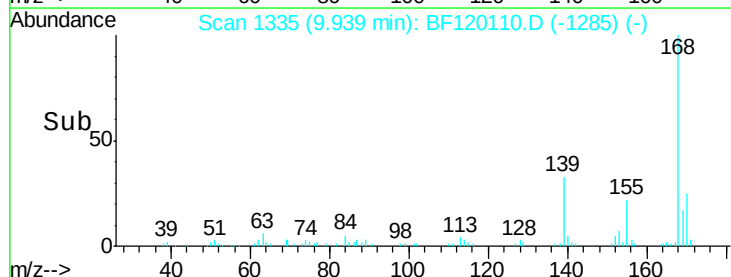
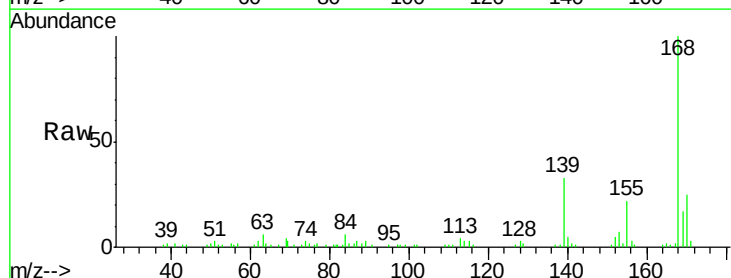
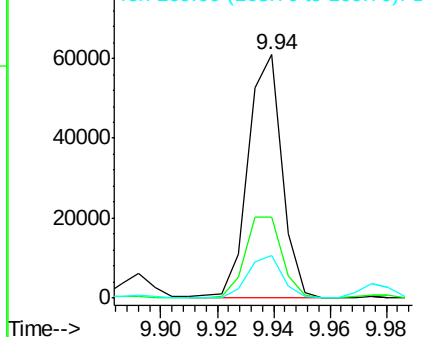
Delta R.T. -0.01 min

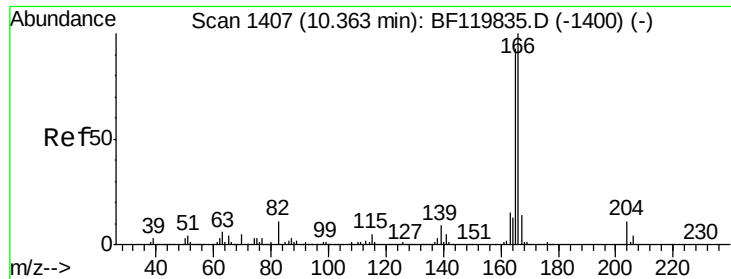
Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Tgt Ion:	168	Resp:	50810
Ion Ratio	Lower	Upper	
168	100		
139	33.3	29.8	44.6
169	17.4	10.6	15.8#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





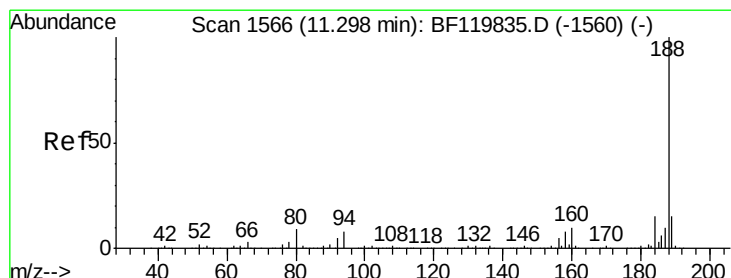
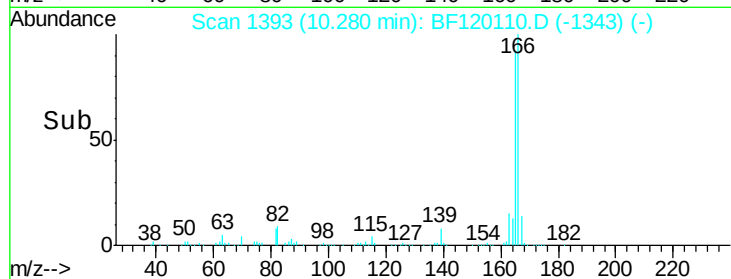
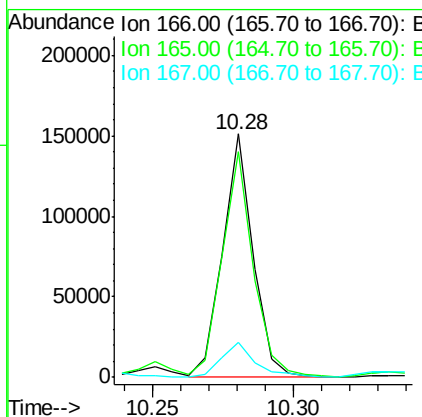
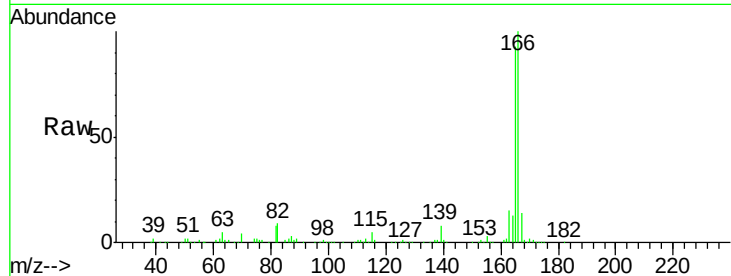
#58
 Fluorene
 Concen: 6.506 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF120110.D
 Acq: 21 Apr 2020 18:52

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	92.5	74.2	111.2
167	14.1	10.8	16.2

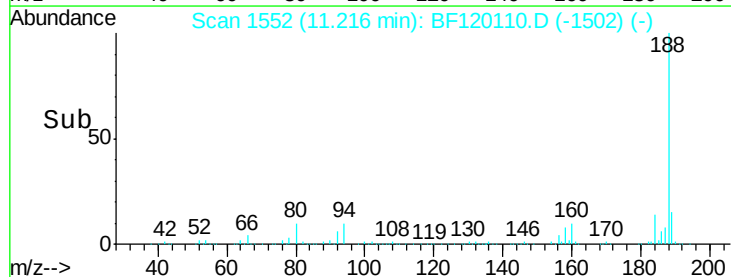
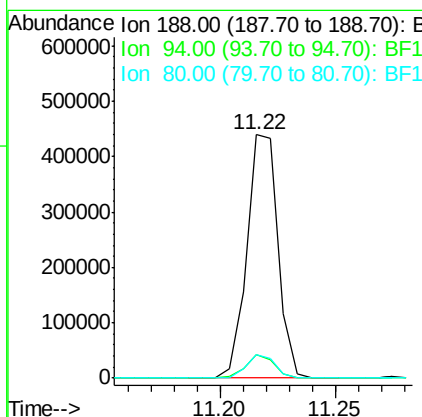
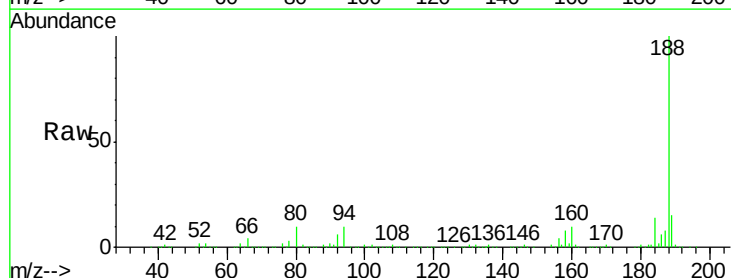
Manual Integrations
 APPROVED

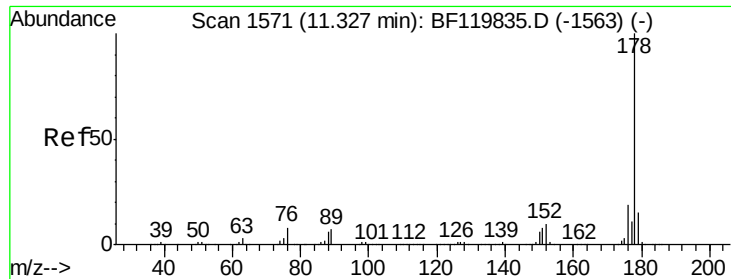
mohammad
 4/24/2020 4:17:10 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF120110.D
 Acq: 21 Apr 2020 18:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	6.7	10.1
80	9.8	7.4	11.2





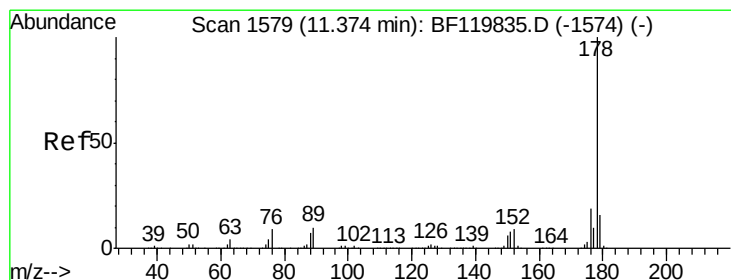
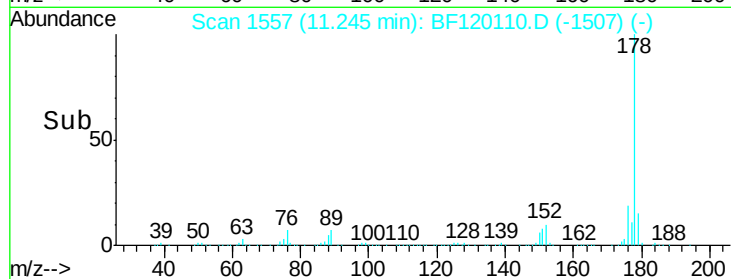
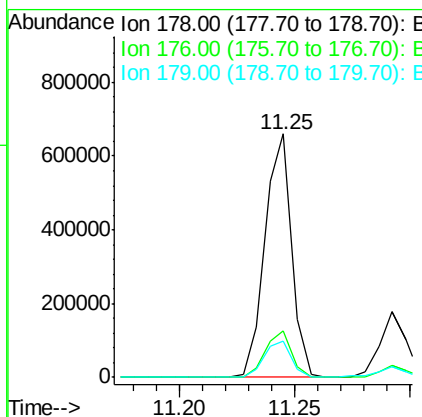
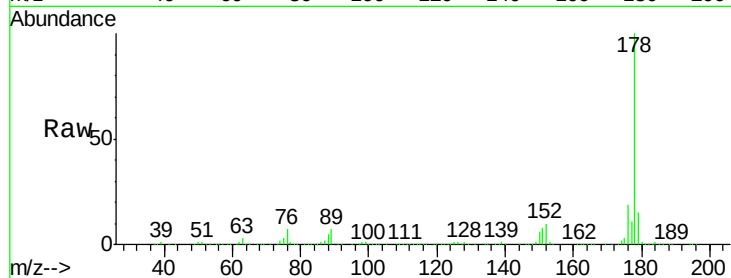
#71
Phenanthrene
Concen: 24.174 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Instrument :
BNA_F
ClientSampleId :
TP-15-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.0	12.2	18.4

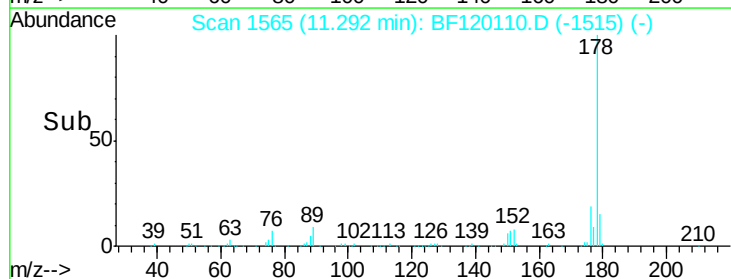
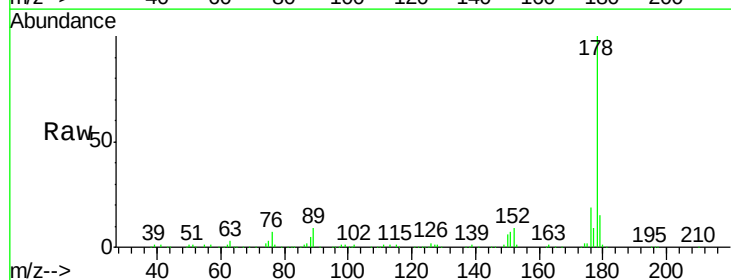
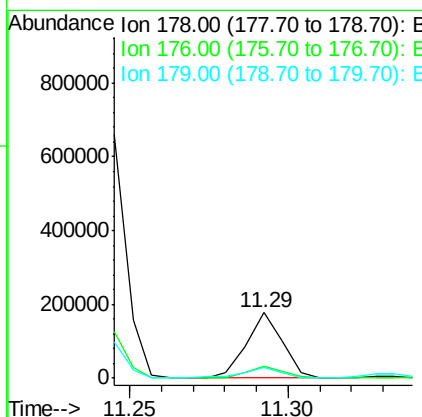
Manual Integrations
APPROVED

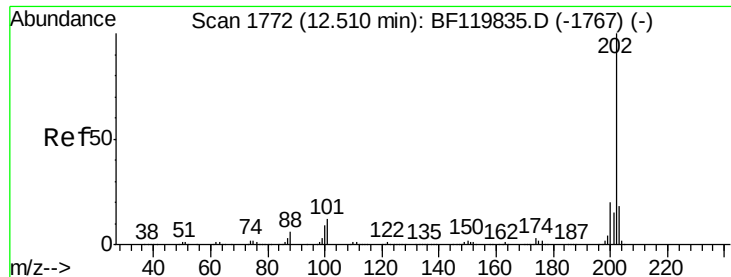
mohammad
4/24/2020 4:17:10 AM



#72
Anthracene
Concen: 6.160 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.8	19.2





#75

Fluoranthene

Concen: 16.235 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Instrument :

BNA_F

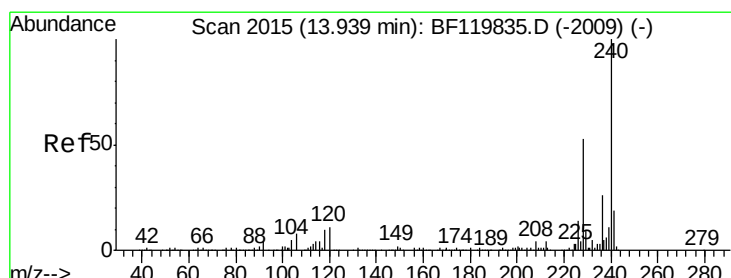
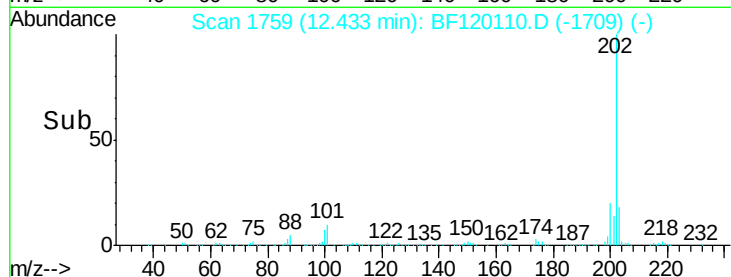
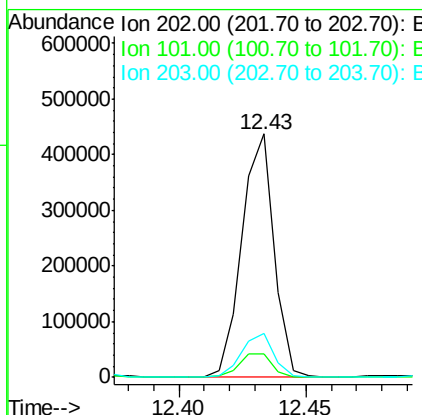
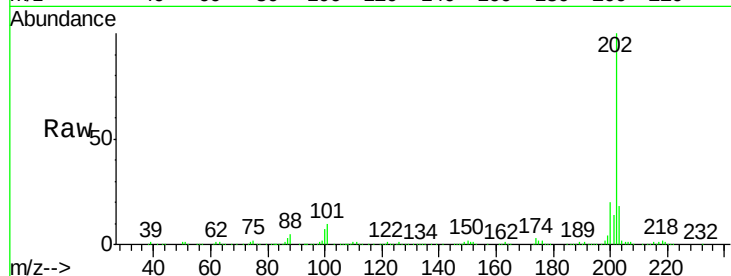
ClientSampleId :

TP-15-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	32.3
203	17.9	0.0	37.6

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:10 AM



#76

Chrysene-d12

Concen: 20.000 ng

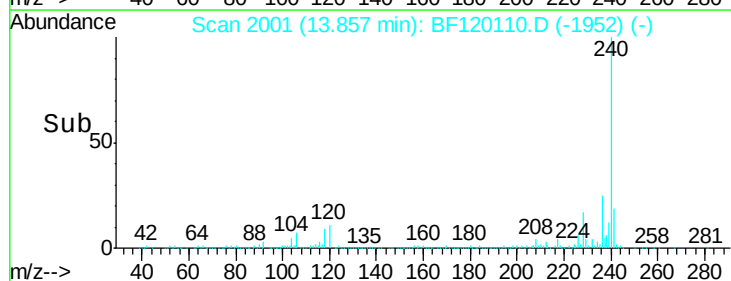
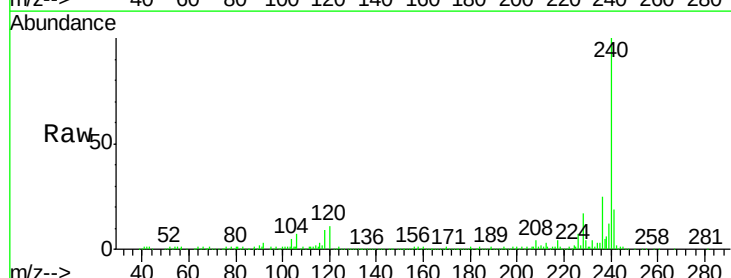
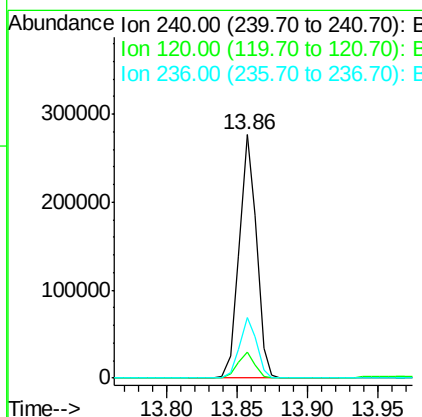
RT: 13.86 min Scan# 2001

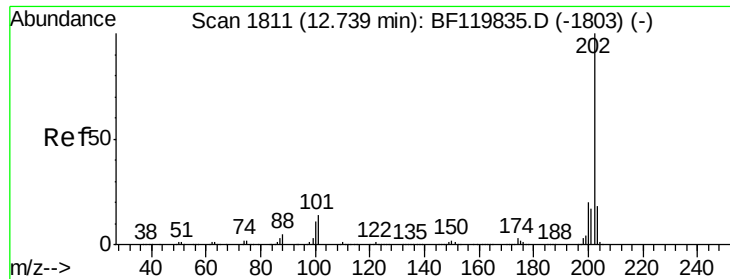
Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	9.0	13.6
236	24.7	20.7	31.1





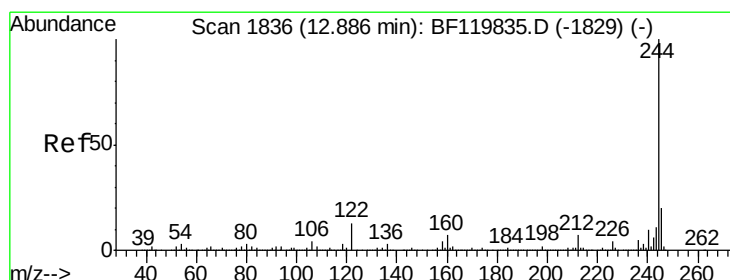
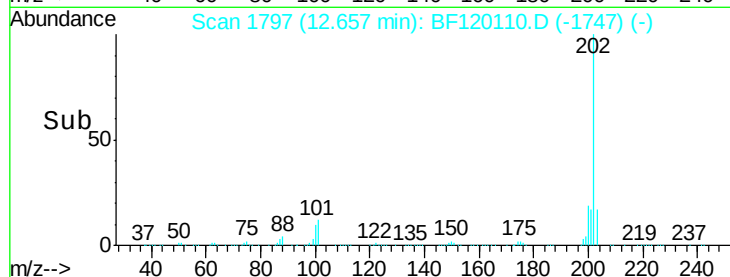
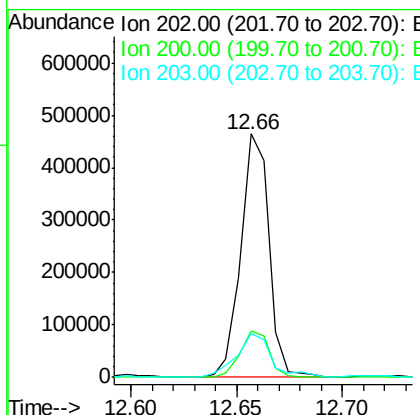
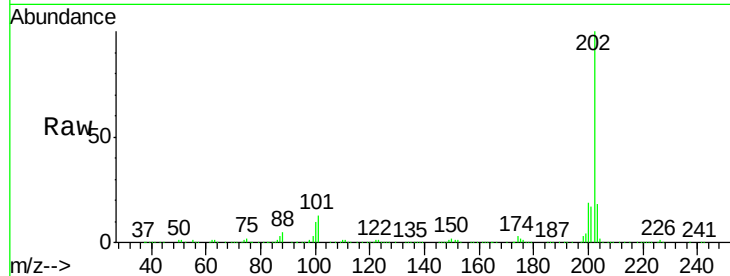
#78
Pvrene
Concen: 21.433 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Instrument :
BNA_F
ClientSampleId :
TP-15-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.2	16.2	24.2
203	18.1	14.1	21.1

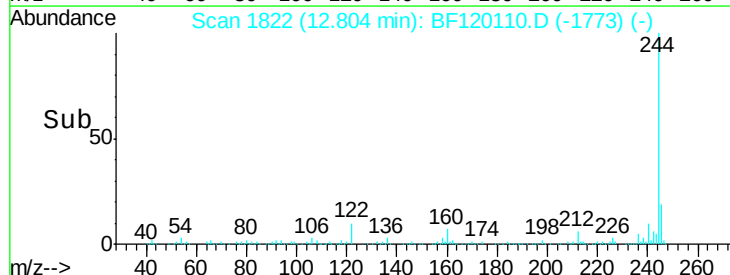
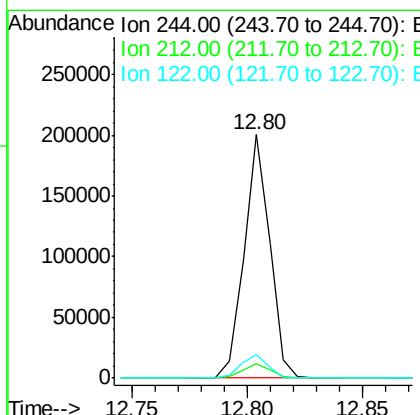
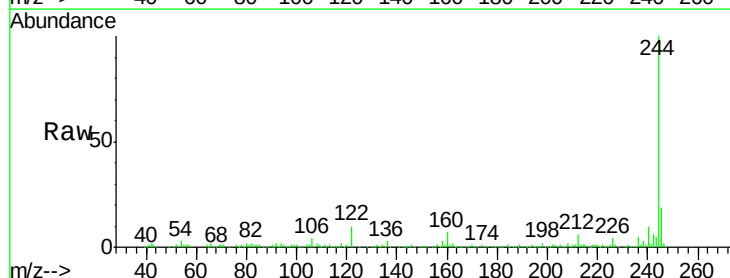
Manual Integrations
APPROVED

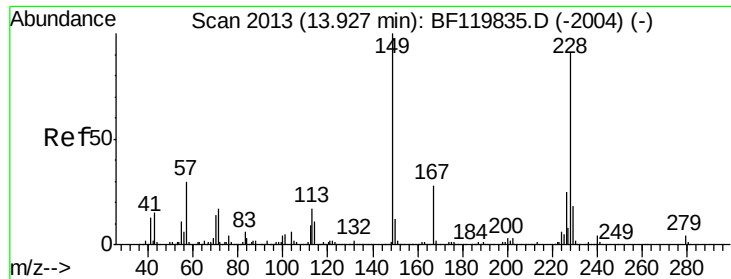
mohammad
4/24/2020 4:17:10 AM



#79
Terphenyl-d14
Concen: 11.000 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	9.9	10.3	15.5





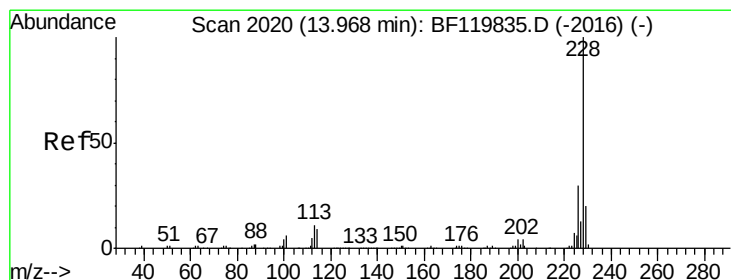
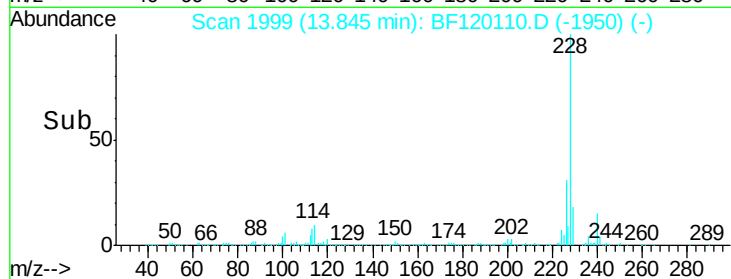
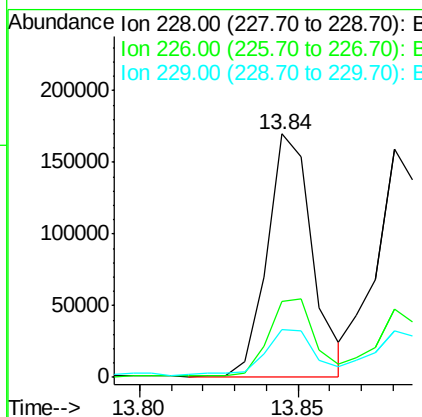
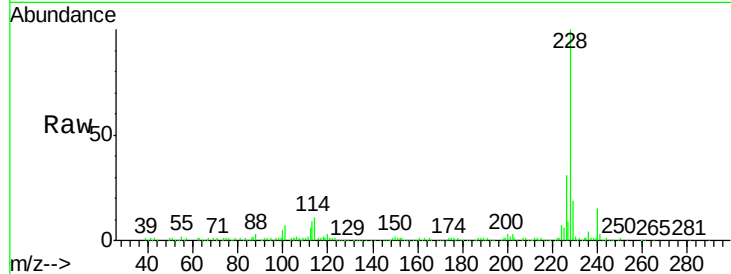
#81
Benzo(a)anthracene
Concen: 10.760 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Instrument :
BNA_F
ClientSampleId :
TP-15-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.9	32.9
229	19.4	15.9	23.9

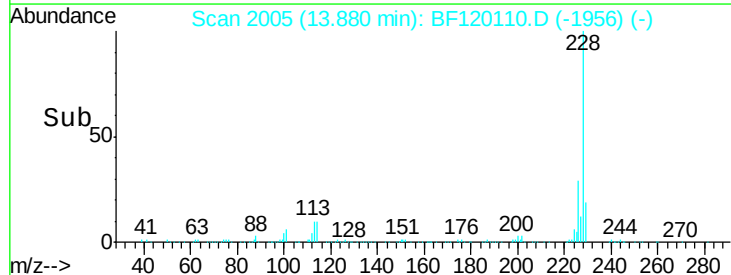
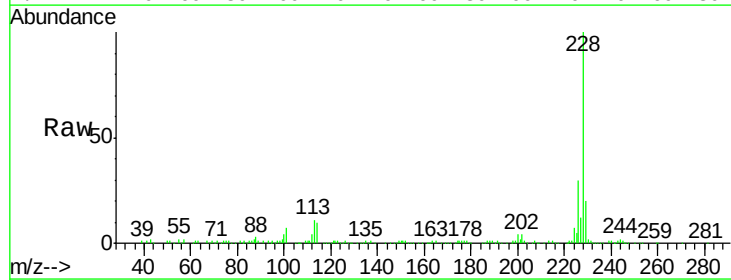
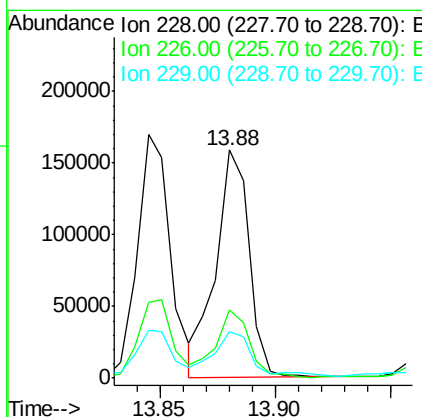
Manual Integrations
APPROVED

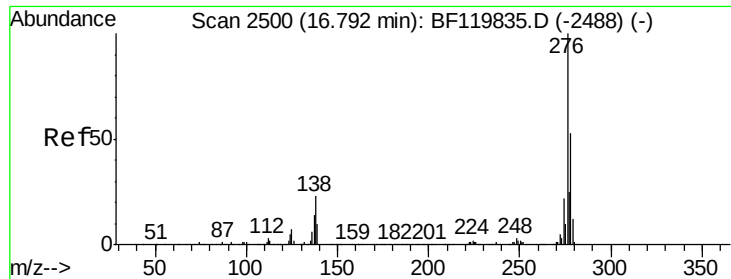
mohammad
4/24/2020 4:17:10 AM



#83
Chrysene
Concen: 9.995 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	20.5	15.9	23.9





#86

Indeno(1,2,3-cd)pyrene

Concen: 6.747 ng

RT: 16.64 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Instrument :

BNA_F

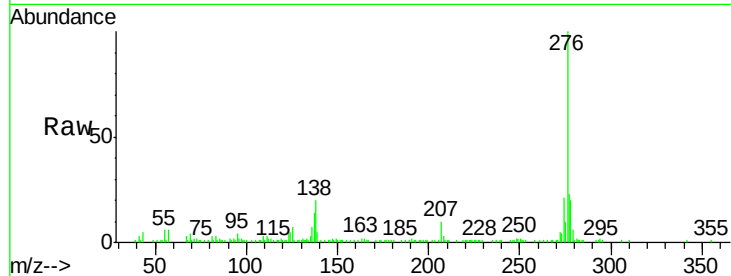
ClientSampleId :

TP-15-COMP

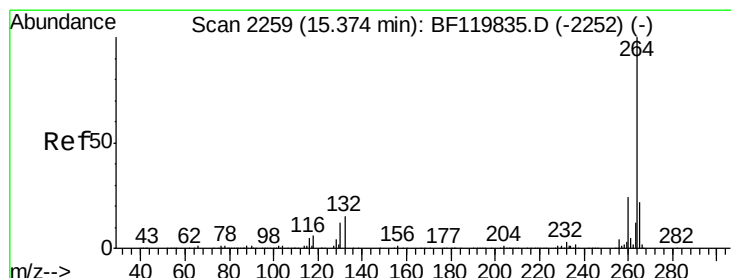
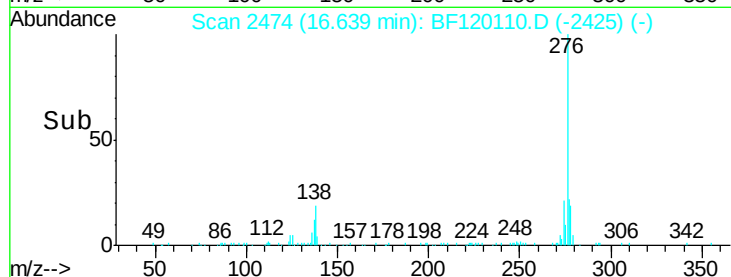
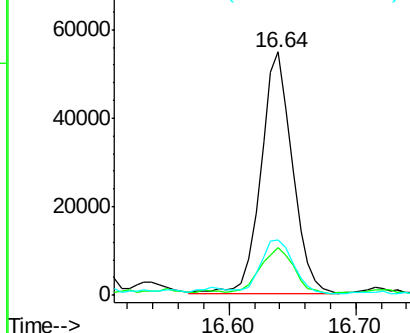
Tot Ion:	276	Resp:	94183
Ion Ratio	Lower	Upper	
276	100		
138	21.4	18.0	27.0
277	23.3	20.1	30.1

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:10 AM



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

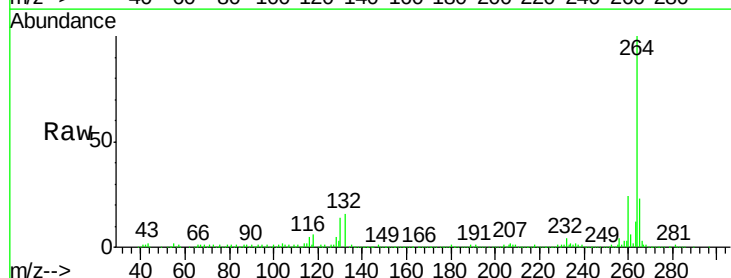
RT: 15.27 min Scan# 2242

Delta R.T. -0.01 min

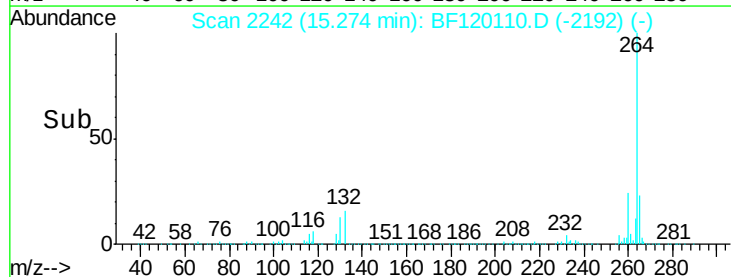
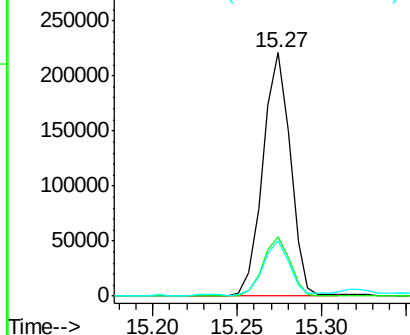
Lab File: BF120110.D

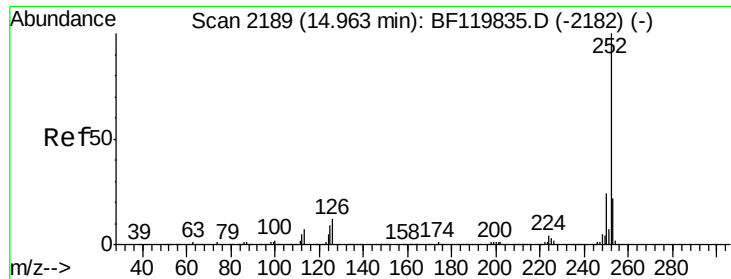
Acq: 21 Apr 2020 18:52

Tgt Ion:	264	Resp:	251210
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.3	28.9
265	23.0	17.6	26.4



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





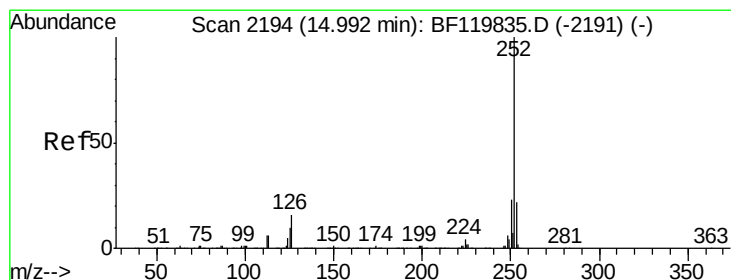
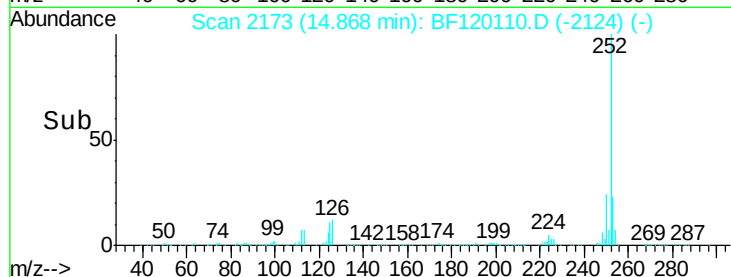
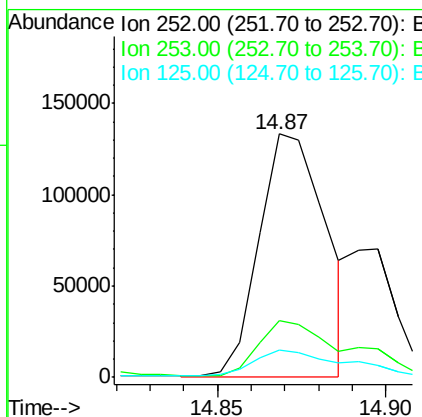
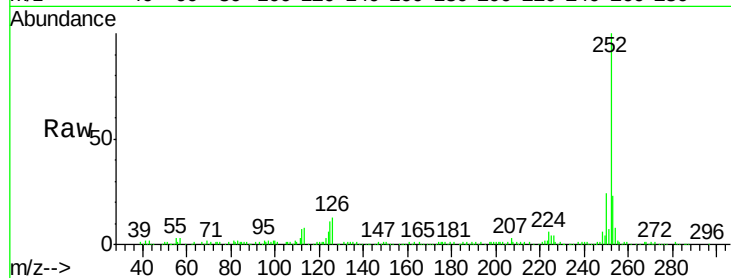
#88
Benzo(b)fluoranthene
Concen: 10.280 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Instrument :
BNA_F
ClientSampleId :
TP-15-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	11.4	7.4	11.2

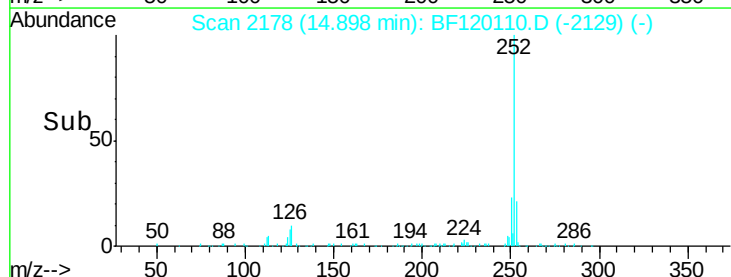
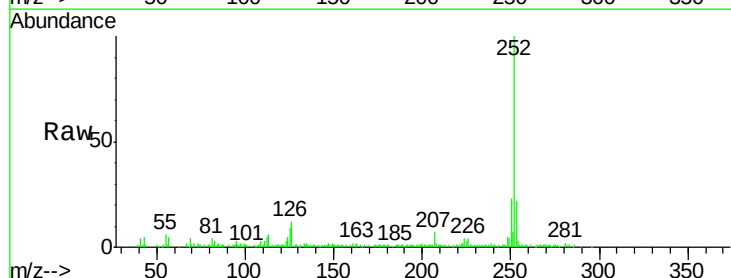
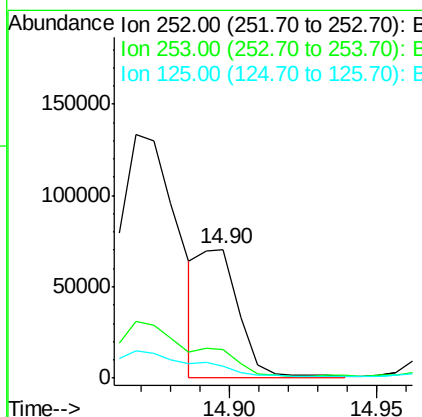
Manual Integrations
APPROVED

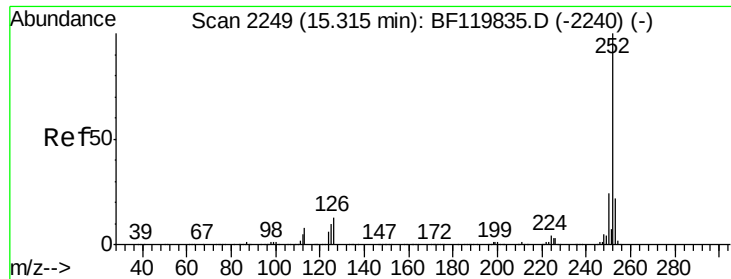
mohammad
4/24/2020 4:17:10 AM



#89
Benzo(k)fluoranthene
Concen: 4.272 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	9.4	7.7	11.5





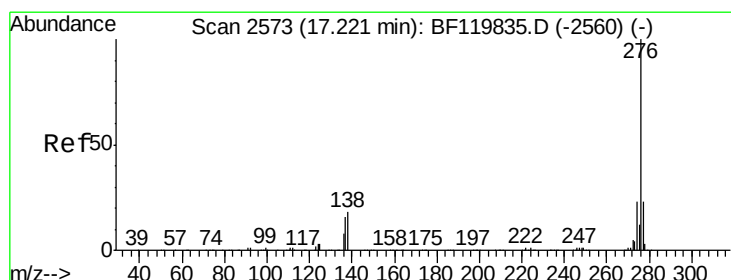
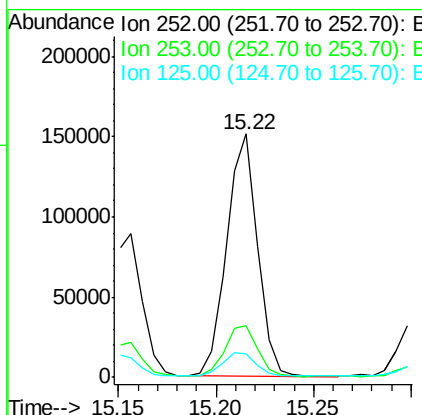
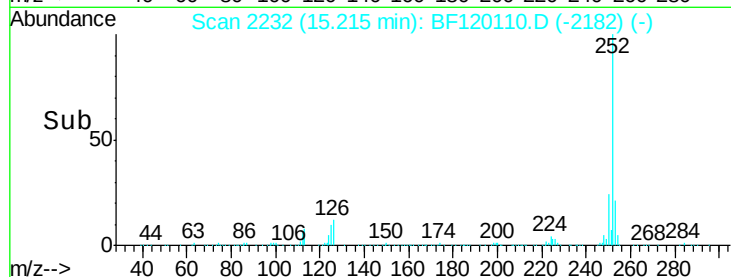
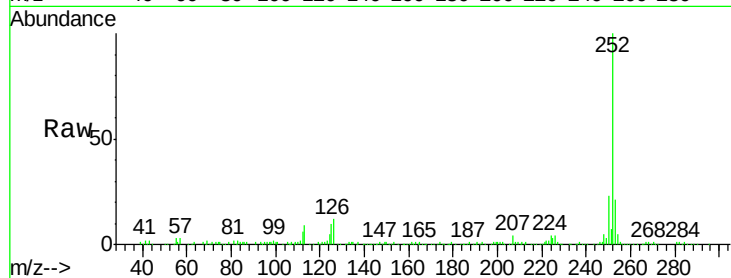
#90
Benzo(a)pyrene
Concen: 10.858 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Instrument :
BNA_F
ClientSampleId :
TP-15-COMP

Tot Ion:	252	Resp:	164982
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.4	26.2
125	9.5	8.3	12.5

Manual Integrations
APPROVED

mohammad
4/24/2020 4:17:10 AM



#92
Benzo(g,h,i)perylene
Concen: 6.491 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BF120110.D
Acq: 21 Apr 2020 18:52

Tgt Ion:	276	Resp:	86237
Ion Ratio	Lower	Upper	
276	100		
277	21.0	18.5	27.7
138	21.5	14.6	22.0

