

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121018.D
 Acq On : 24 Jul 2020 22:52
 Operator : JU/CG
 Sample : L3383-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CRT-022

Manual Integrations
 APPROVED

mohammad
 7/27/2020 12:19:54 PM

Quant Time: Jul 27 02:42:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	152379	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	541109	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	276597	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	465902	20.00	ng	0.00
76) Chrysene-d12	13.97	240	380472	20.00	ng	0.00
86) Perylene-d12	15.42	264	419421	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	755833	81.32	ng	0.00
7) Phenol-d6	6.45	99	890428	74.16	ng	0.00
23) Nitrobenzene-d5	7.37	82	557340	59.60	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	214507	70.85	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1111284	59.99	ng	0.00
79) Terphenyl-d14	12.92	244	927842	53.01	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	97642	4.893	ng	99
71) Phenanthrene	11.36	178	184367	7.694	ng	98
75) Fluoranthene	12.55	202	269852	10.160	ng	96
78) Pyrene	12.77	202	250027	9.295	ng	99
81) Benzo(a)anthracene	13.96	228	145933m	6.334	ng	
83) Chrysene	13.99	228	139413	5.758	ng	97
84) Bis(2-ethylhexyl)phthalate	13.95	149	36164	2.446	ng	99
87) Indeno(1,2,3-cd)pyrene	16.84	276	80038	2.744	ng	96
88) Benzo(b)fluoranthene	15.00	252	209566m	8.266	ng	
89) Benzo(k)fluoranthene	15.02	252	64538m	2.791	ng	
90) Benzo(a)pyrene	15.35	252	136369	5.896	ng	96
92) Benzo(a,h,i)perylene	17.27	276	76256	3.246	ng	97

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

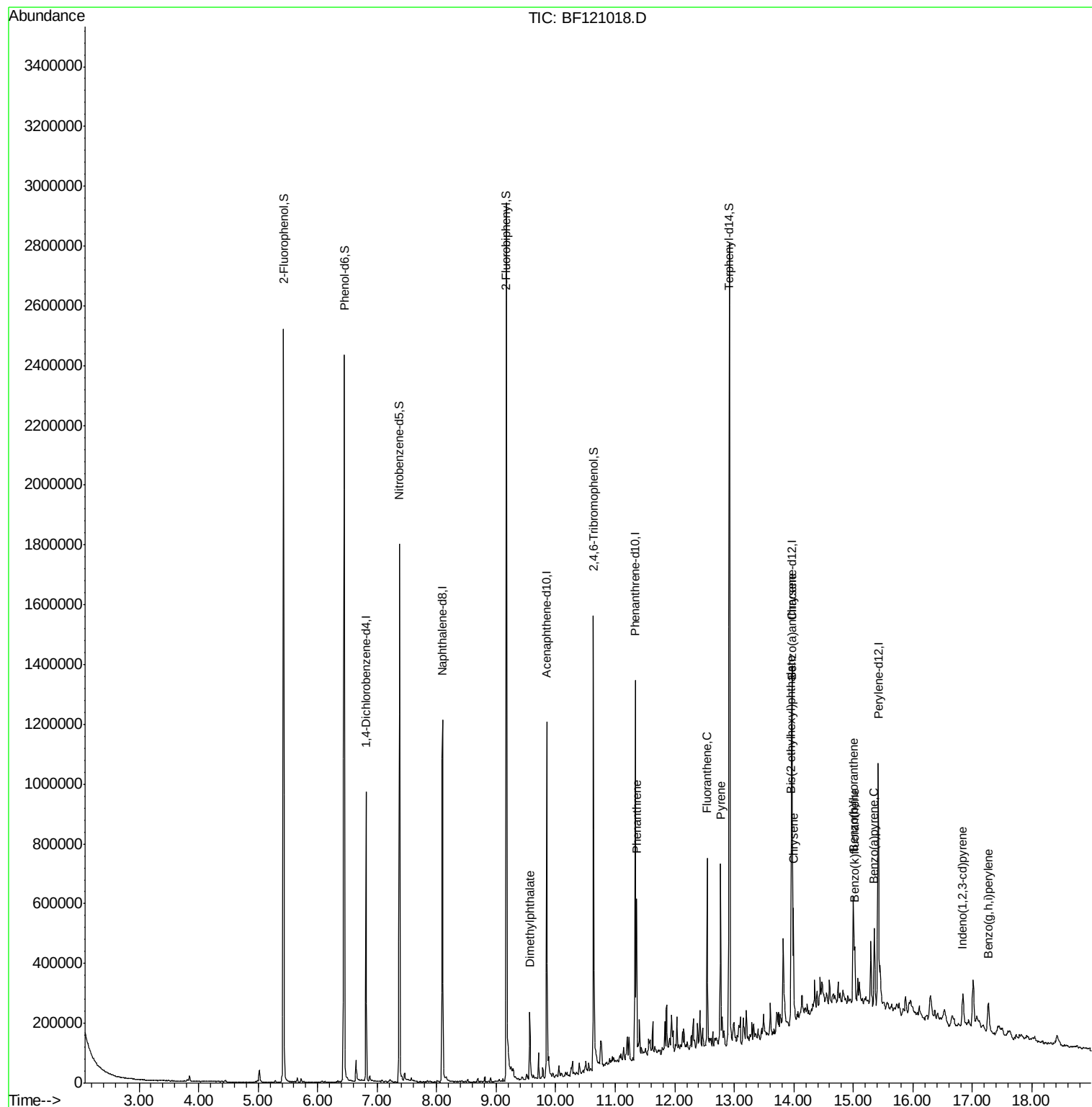
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
Data File : BF121018.D
Acq On : 24 Jul 2020 22:52
Operator : JU/CG
Sample : L3383-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

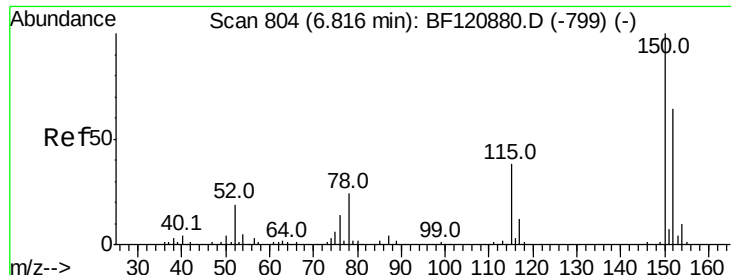
Instrument :
BNA_F
ClientSampleId :
CRT-022

Manual Integrations
APPROVED

mohammad
7/27/2020 12:19:54 PM

Quant Time: Jul 27 02:42:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 16 14:20:32 2020
Response via : Initial Calibration





#1

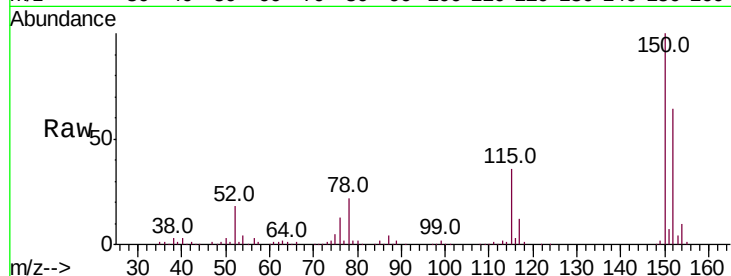
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :
CRT-022

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.0	187.6
115	56.4	47.0	70.4

Manual Integrations
APPROVED

mohammad
7/27/2020 12:19:54 PM

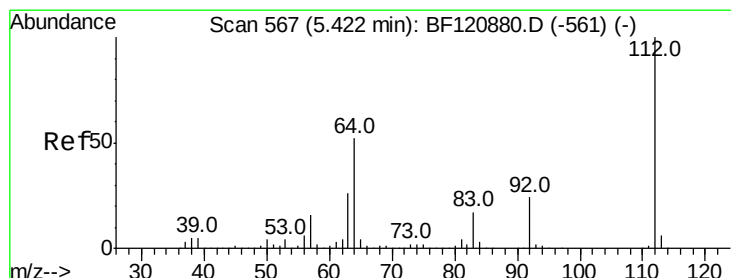
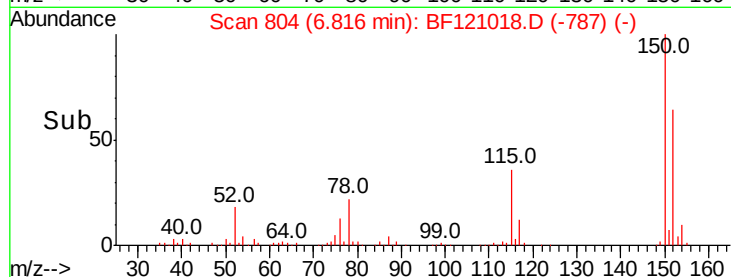
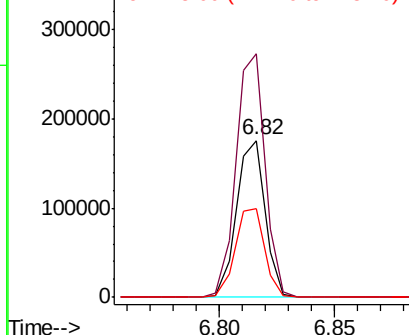


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

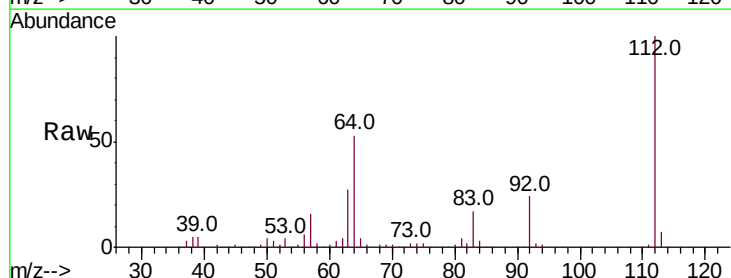
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.316 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.3	61.9
63	27.3	21.1	31.7

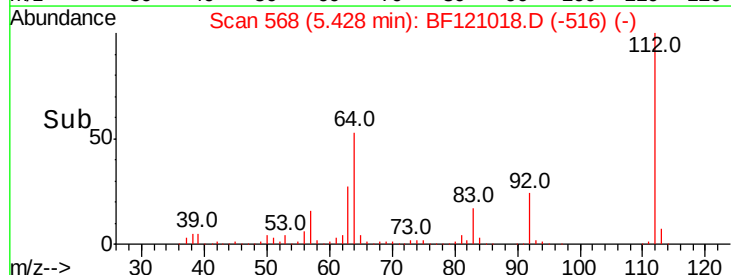
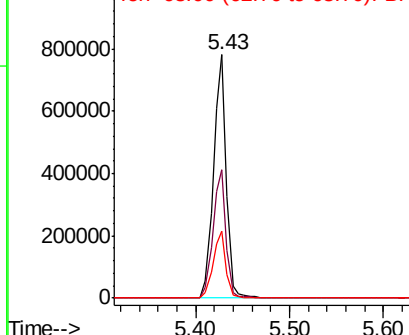


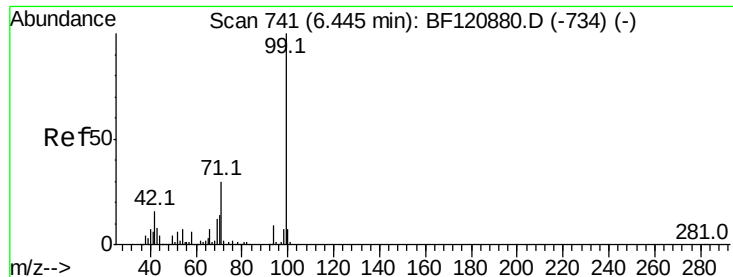
Abundance

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: 74.160 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Instrument :

BNA_F

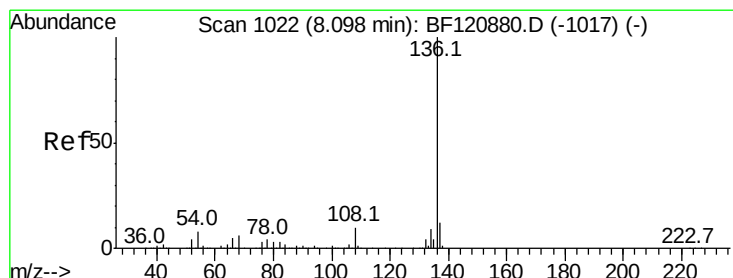
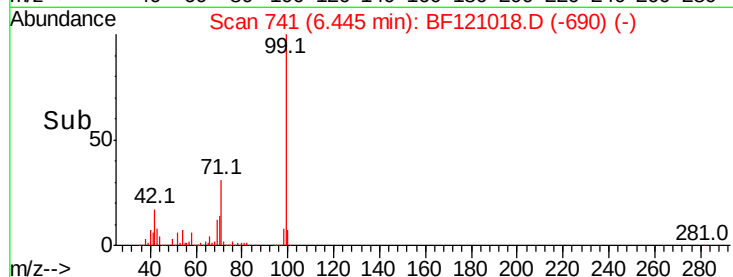
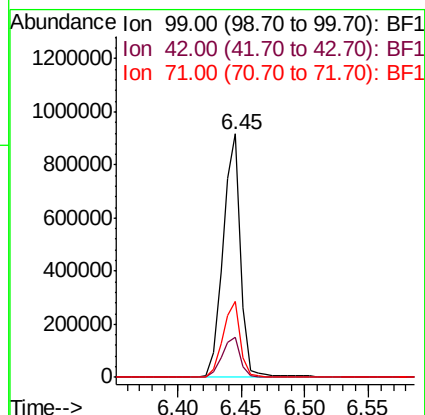
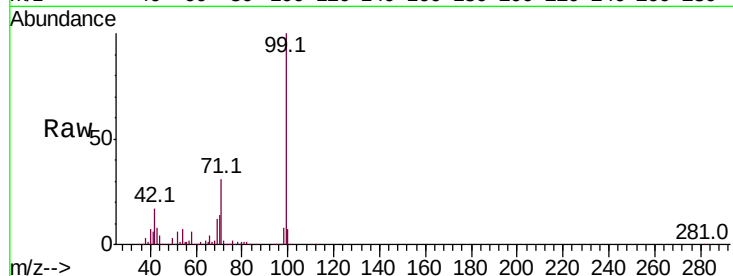
ClientSampleId :

CRT-022

Tot Ion	99	Resp	890428
Ion Ratio	Lower	Upper	
99	100		
42	16.5	13.1	19.7
71	31.0	24.2	36.4

Manual Integrations
APPROVED

mohammad
7/27/2020 12:19:54 PM



#21

Naphthalene-d8

Concen: 20.000 ng

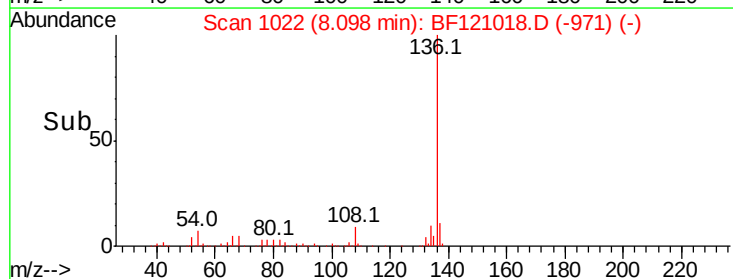
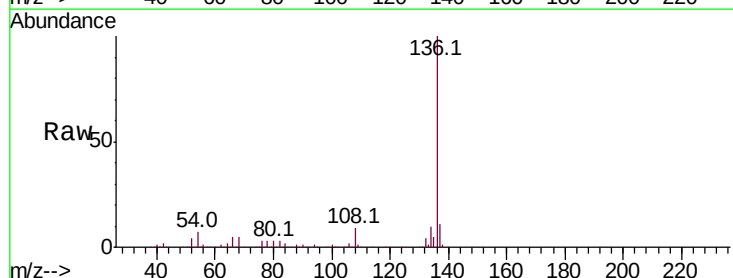
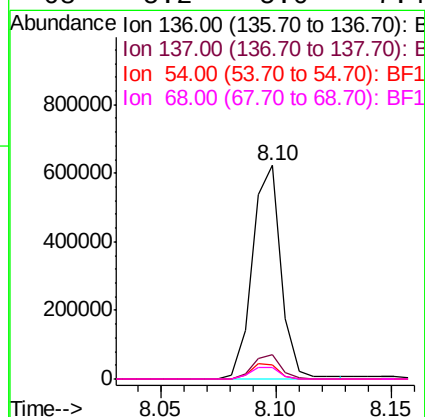
RT: 8.10 min Scan# 1022

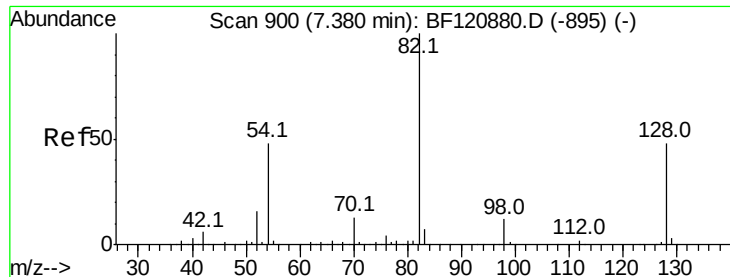
Delta R.T. 0.00 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Tgt Ion	136	Resp	541109
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.3	13.9
54	6.8	6.3	9.5
68	5.2	5.0	7.4





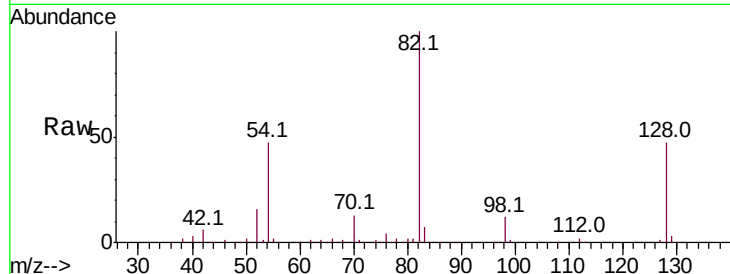
#23
 Nitrobenzene-d5
 Concen: 59.599 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF121018.D
 Acq: 24 Jul 2020 22:52

Instrument :
 BNA_F
 ClientSampleId :
 CRT-022

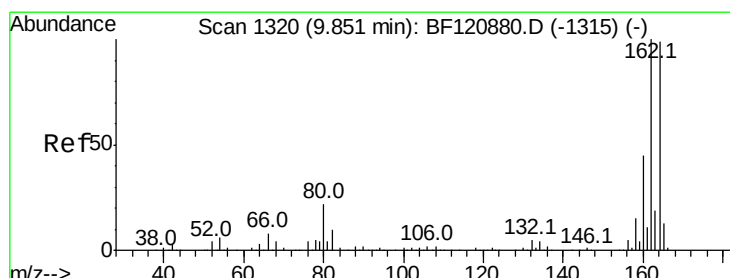
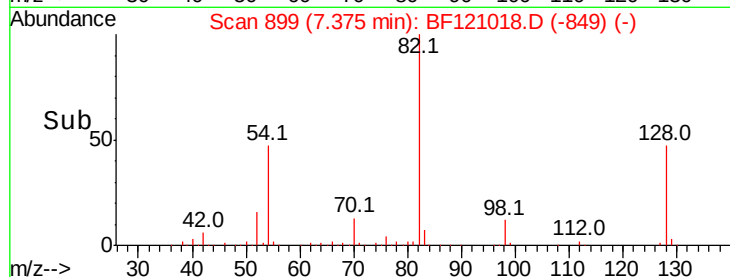
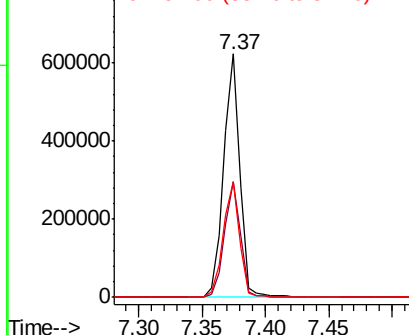
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	38.2	57.4
54	47.5	38.7	58.1

Manual Integrations
 APPROVED

mohammad
 7/27/2020 12:19:54 PM

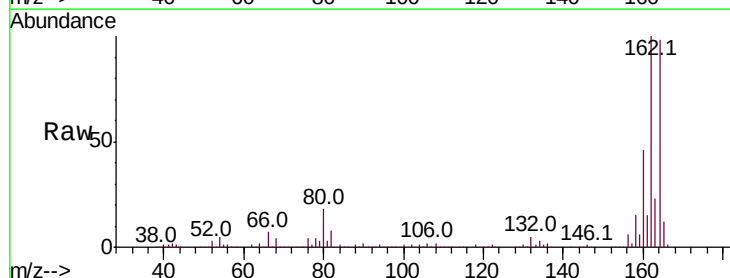


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

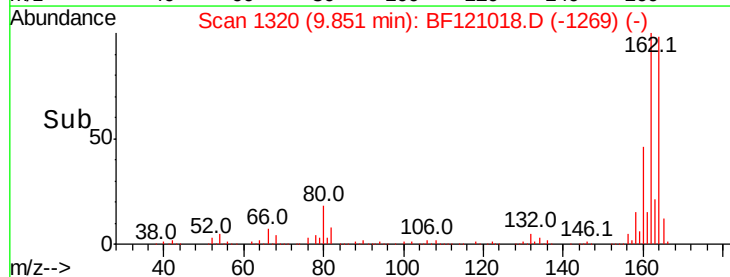
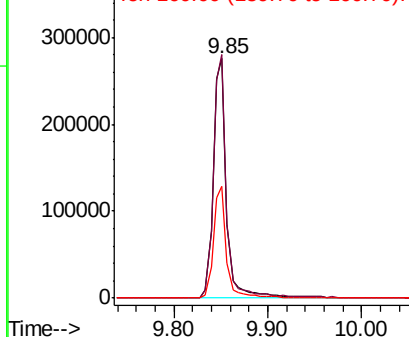


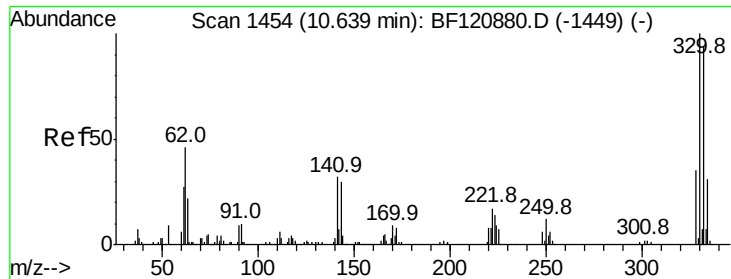
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: BF121018.D
 Acq: 24 Jul 2020 22:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.2	121.8
160	46.7	36.9	55.3



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





#42

2,4,6-Tribromophenol

Concen: 70.850 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Instrument :

BNA_F

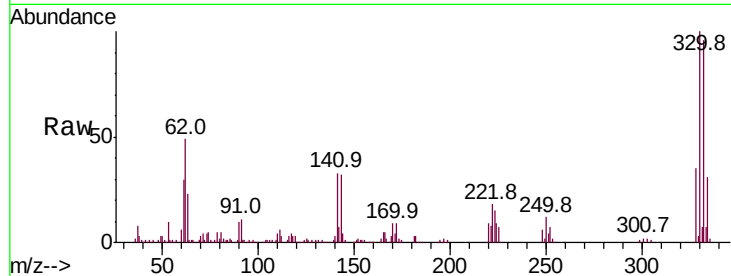
ClientSampled :

CRT-022

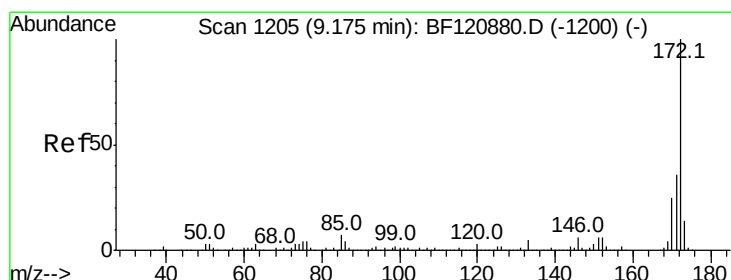
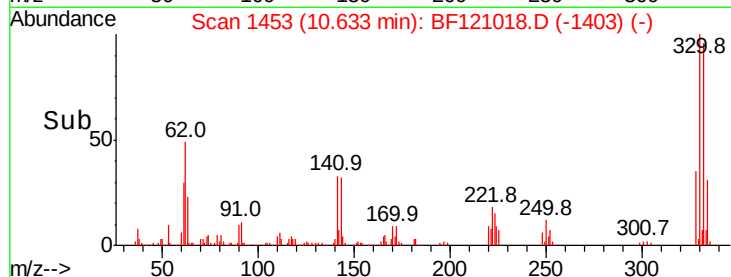
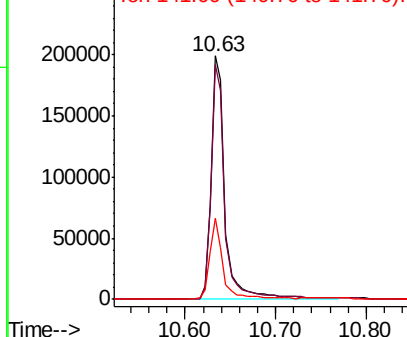
Tot Ion:	330	Resp:	214507
Ion Ratio	Lower	Upper	
330	100		
332	97.3	75.5	113.3
141	31.2	25.7	38.5

Manual Integrations
APPROVED

mohammad
7/27/2020 12:19:54 PM



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: 59.986 ng

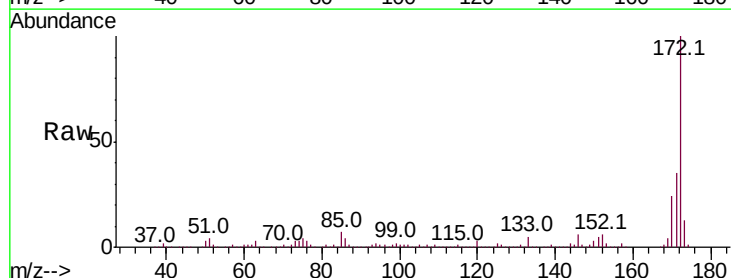
RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

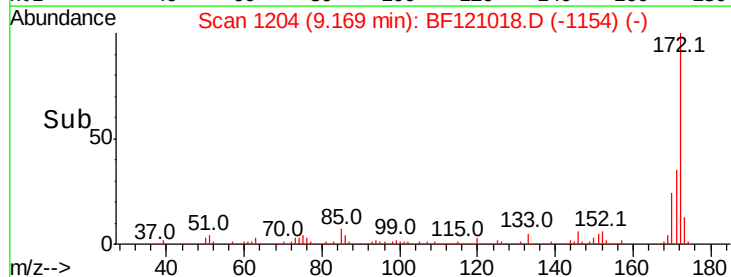
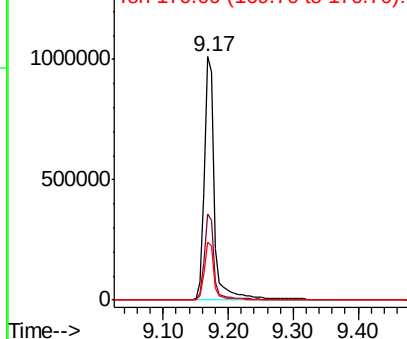
Lab File: BF121018.D

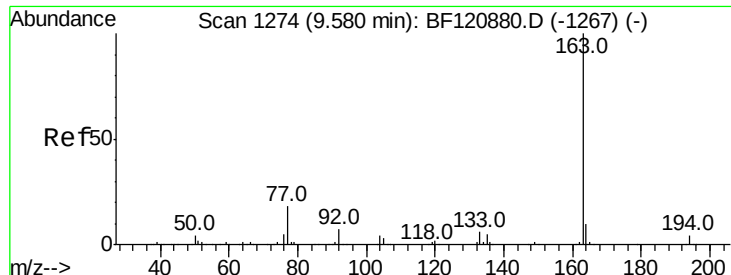
Acq: 24 Jul 2020 22:52

Tgt Ion:	172	Resp:	1111284
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.0	43.4
170	23.7	19.6	29.4



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





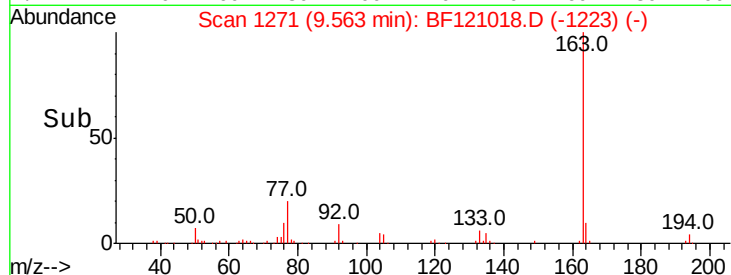
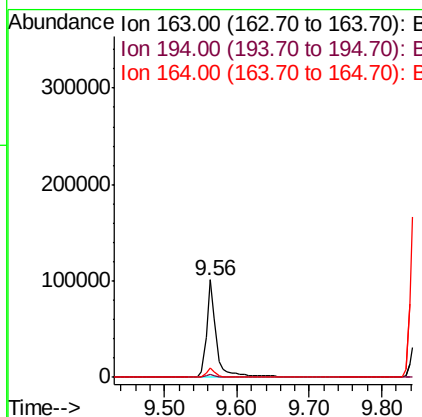
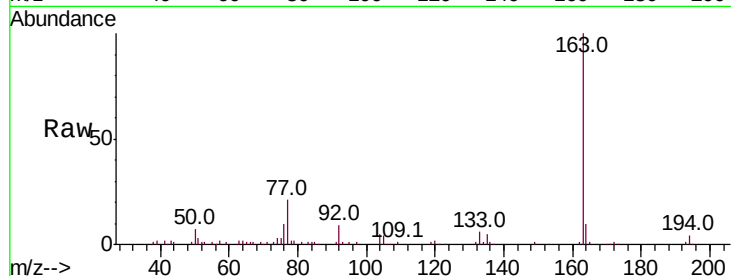
#50
Dimethylphthalate
Concen: 4.893 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :
CRT-022

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.2	7.9	11.9

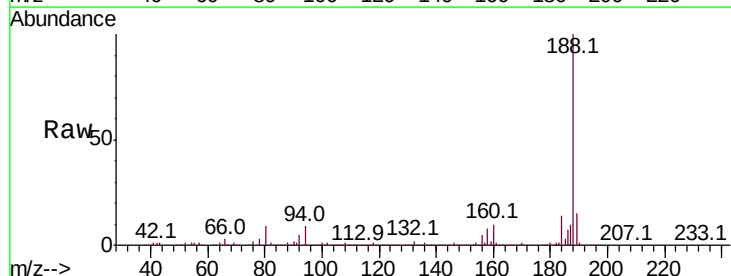
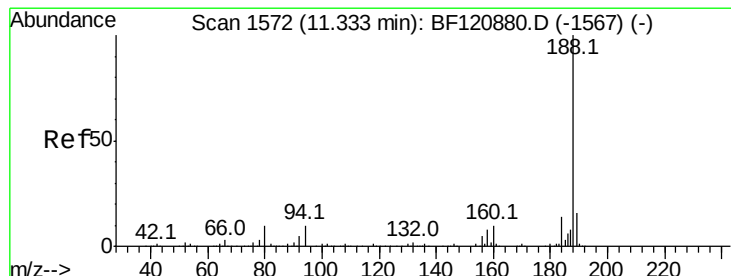
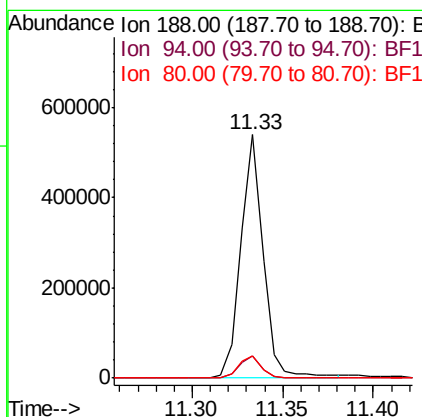
Manual Integrations
APPROVED

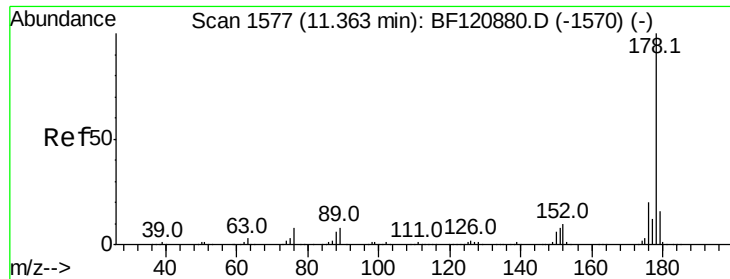
mohammad
7/27/2020 12:19:54 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.0	12.0
80	9.3	8.3	12.5





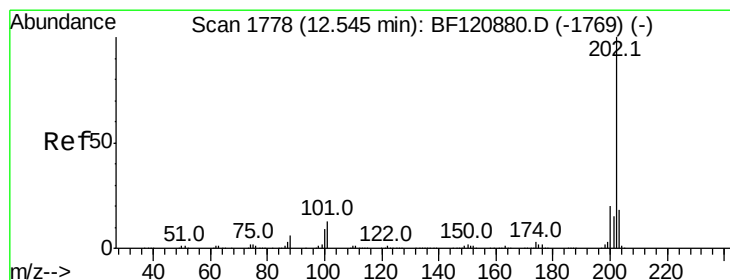
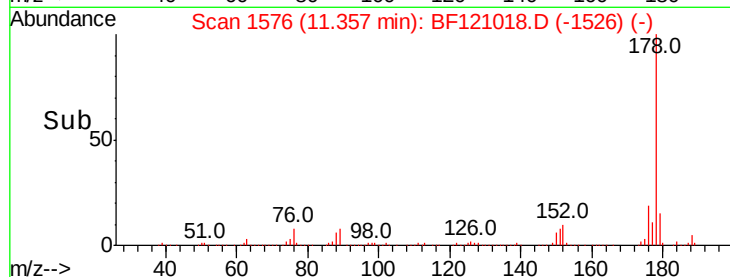
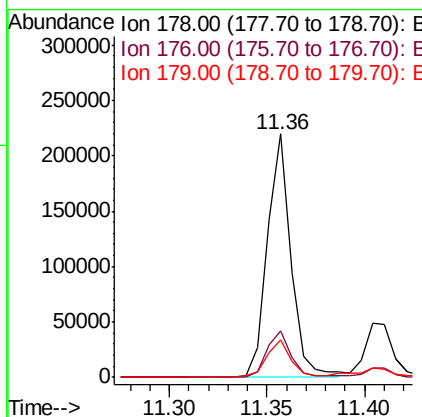
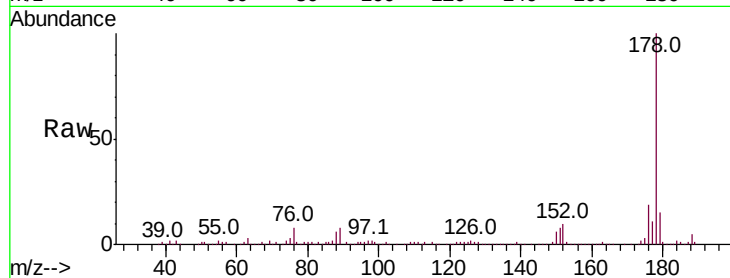
#71
Phenanthrene
Concen: 7.694 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :
CRT-022

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.5	12.8	19.2

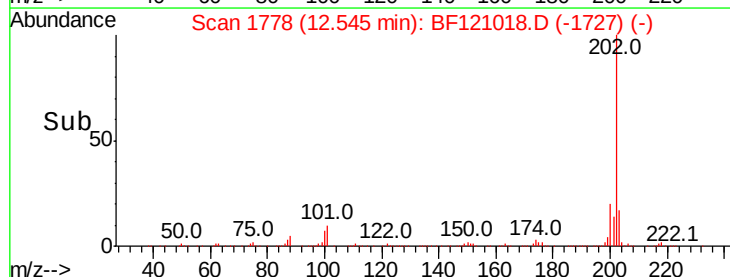
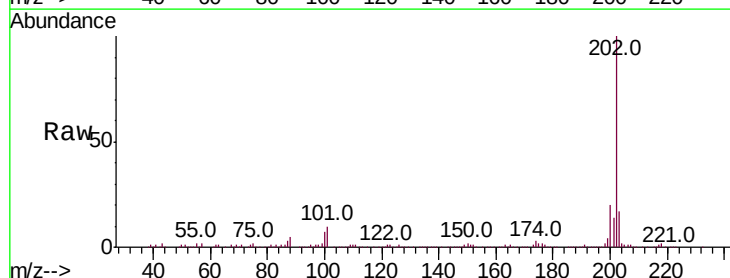
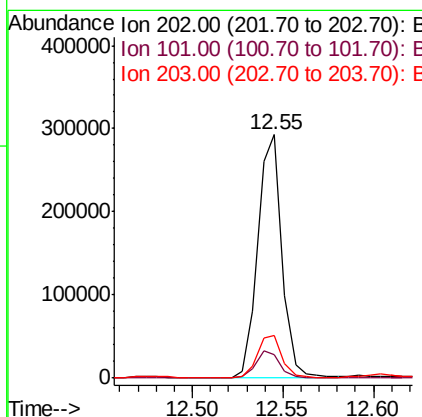
Manual Integrations
APPROVED

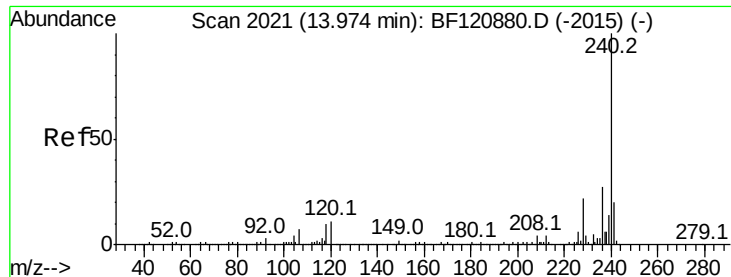
mohammad
7/27/2020 12:19:54 PM



#75
Fluoranthene
Concen: 10.160 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	32.7
203	17.4	0.0	38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Instrument :

BNA_F

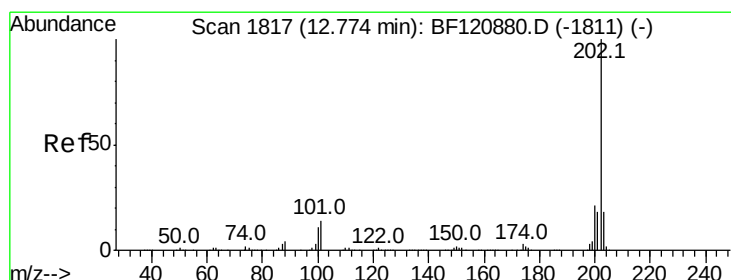
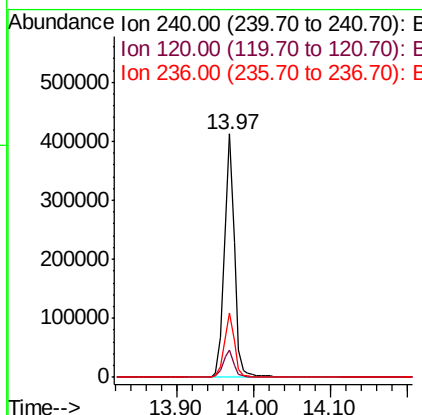
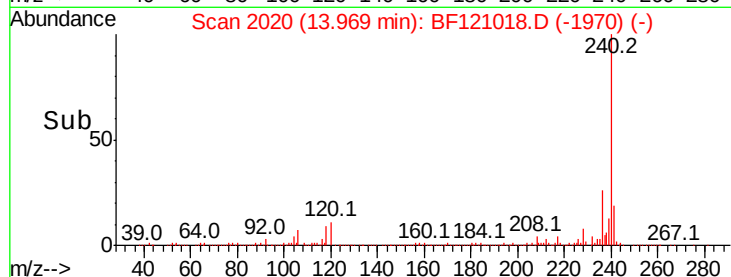
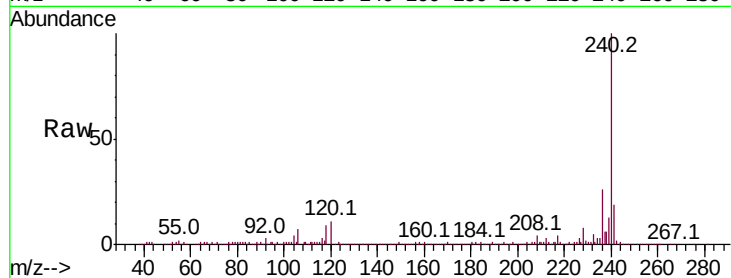
ClientSampleId :

CRT-022

Tot Ion:	240	Resp:	380472
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.0	13.4
236	26.4	21.7	32.5

Manual Integrations
APPROVED

mohammad
7/27/2020 12:19:54 PM



#78

Pyrene

Concen: 9.295 ng

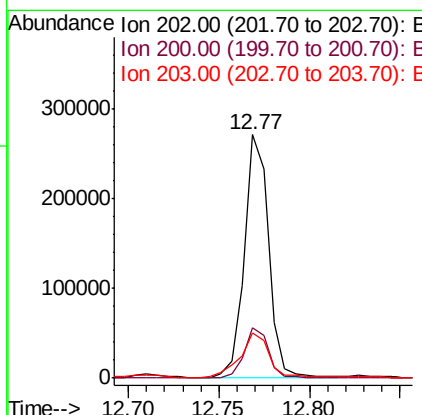
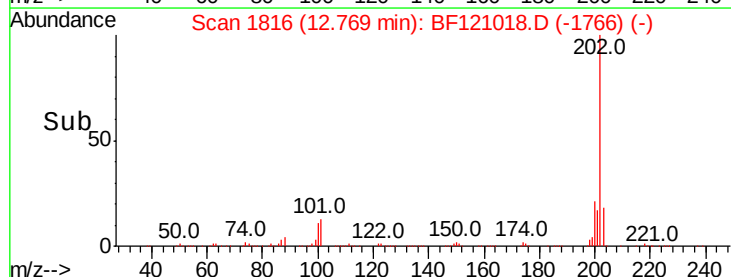
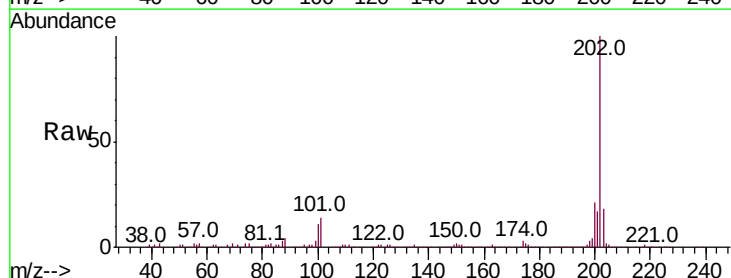
RT: 12.77 min Scan# 1816

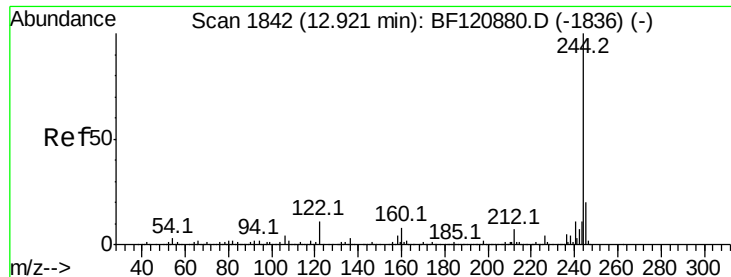
Delta R.T. -0.01 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Tgt Ion:	202	Resp:	250027
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.0	25.4
203	18.5	14.4	21.6





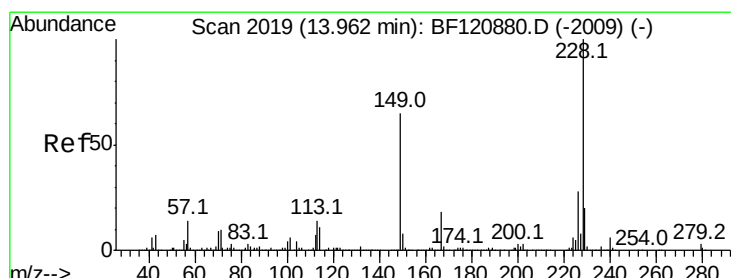
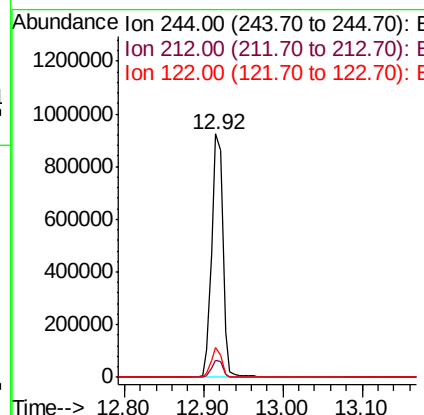
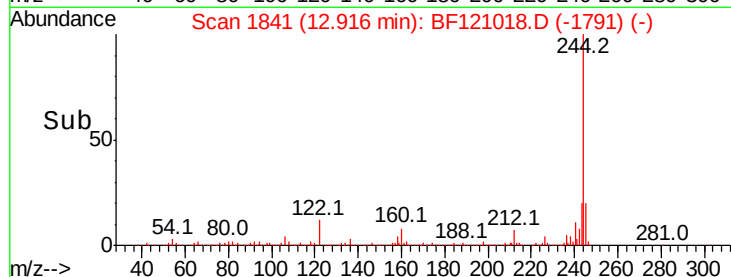
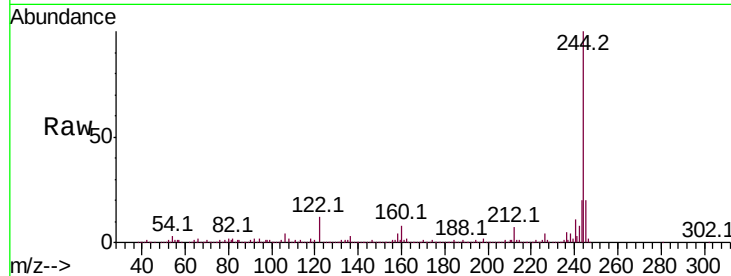
#79
 Terphenyl-d14
 Concen: 53.011 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF121018.D
 Acq: 24 Jul 2020 22:52

Instrument :
 BNA_F
 ClientSampleId :
 CRT-022

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	12.1	8.9	13.3

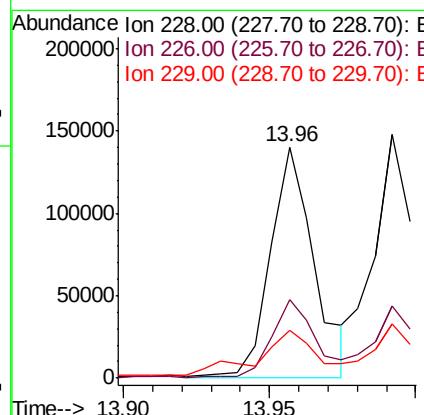
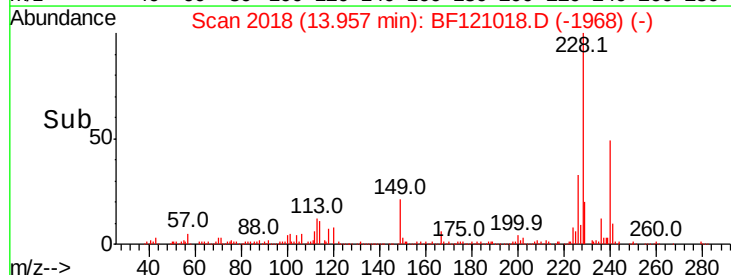
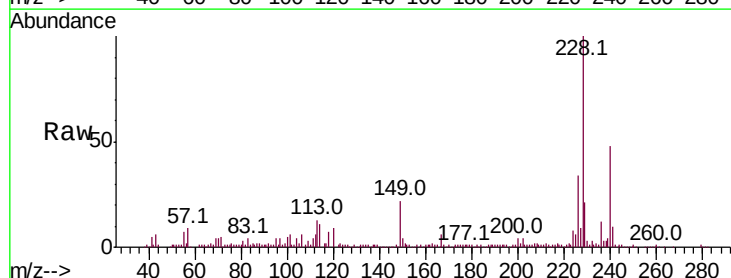
Manual Integrations
 APPROVED

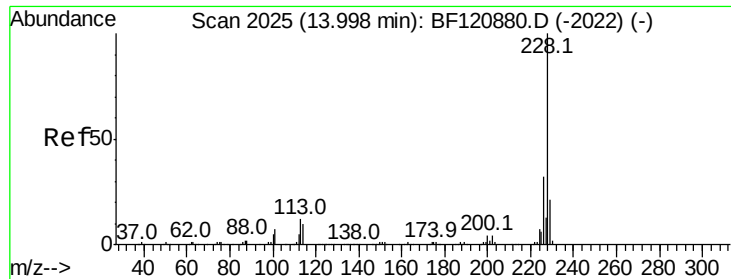
mohammad
 7/27/2020 12:19:54 PM



#81
 Benzo(a)anthracene
 Concen: 6.334 ng m
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF121018.D
 Acq: 24 Jul 2020 22:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.3	33.5#
229	20.7	16.1	24.1





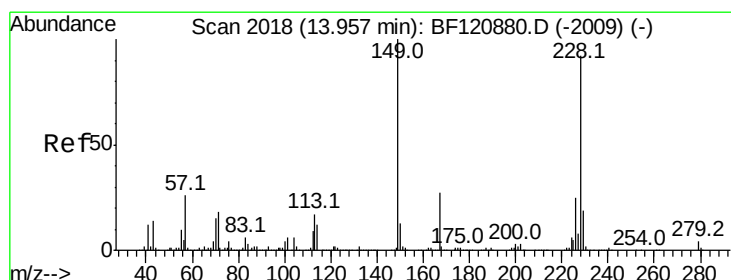
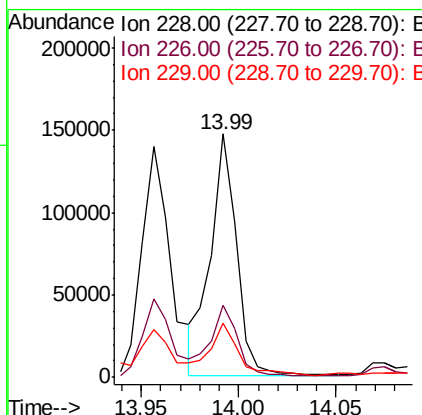
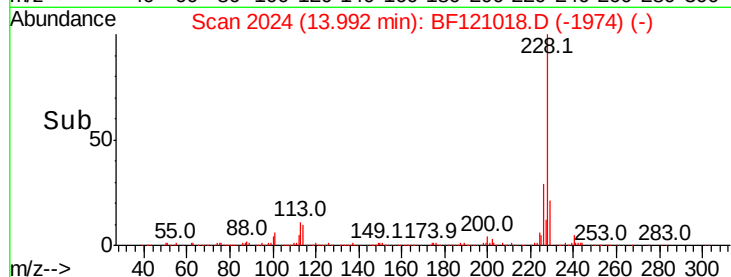
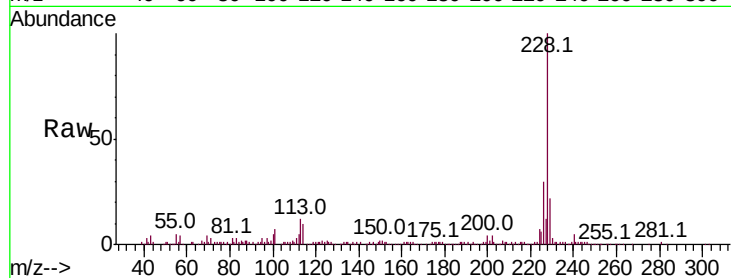
#83
Chrysene
Concen: 5.758 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :
CRT-022

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.6	38.4
229	22.1	16.8	25.2

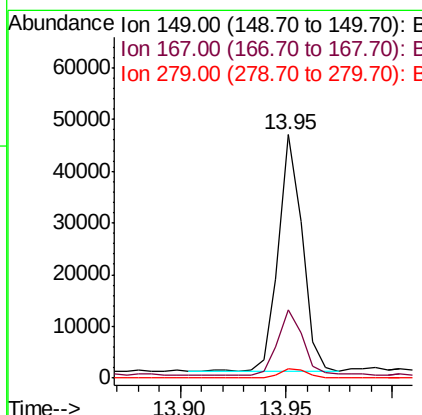
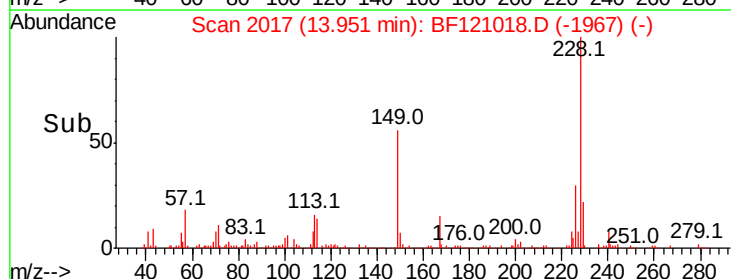
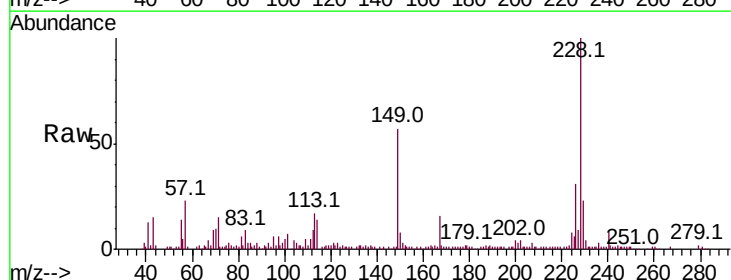
Manual Integrations
APPROVED

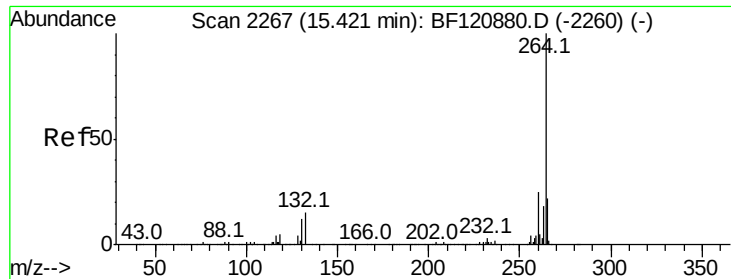
mohammad
7/27/2020 12:19:54 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.446 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.9	32.9
279	4.0	3.0	4.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Instrument :

BNA_F

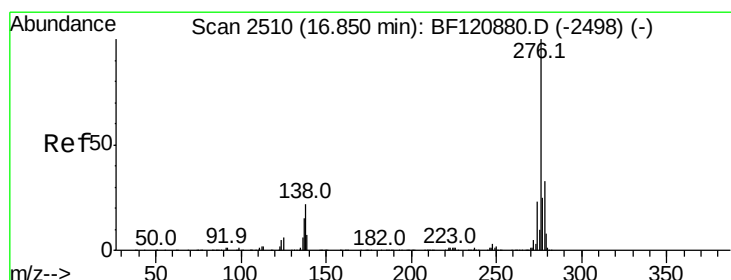
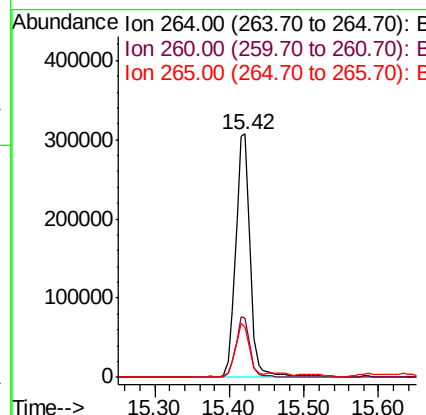
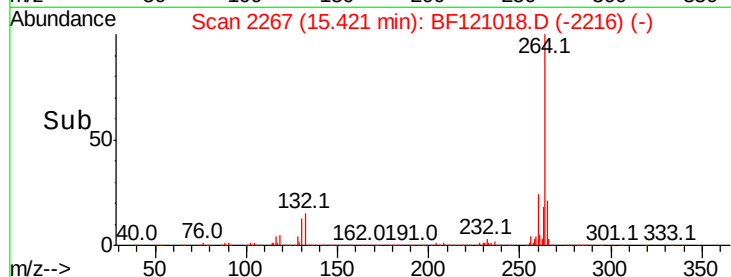
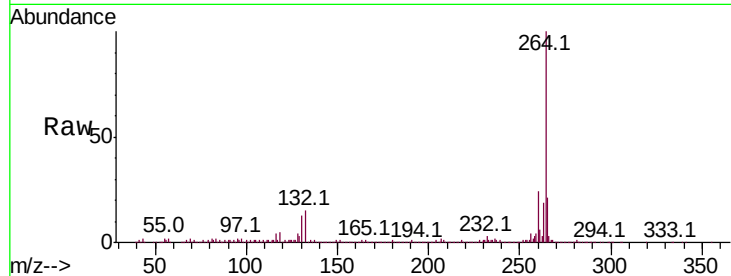
ClientSampleId :

CRT-022

Tot Ion:	264	Resp:	419421
Ion Ratio	Lower	Upper	
264	100		
260	24.4	20.0	30.0
265	20.8	17.4	26.2

Manual Integrations
APPROVED

mohammad
7/27/2020 12:19:54 PM



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.744 ng

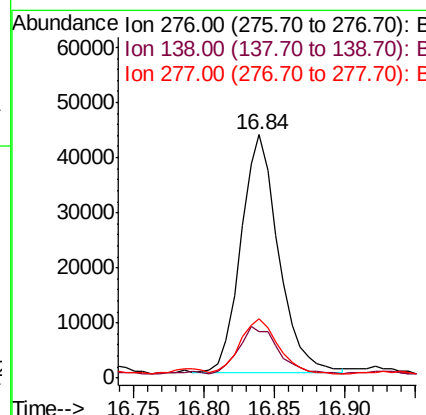
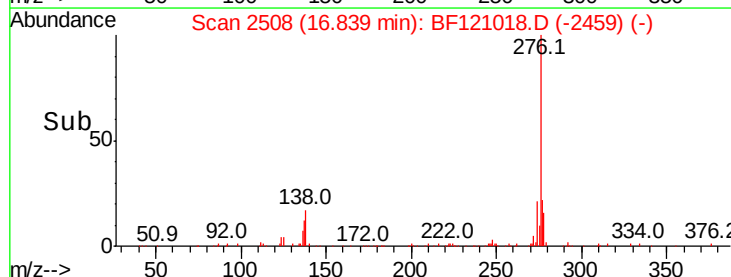
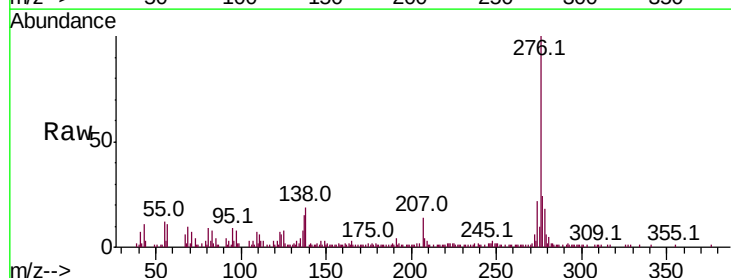
RT: 16.84 min Scan# 2508

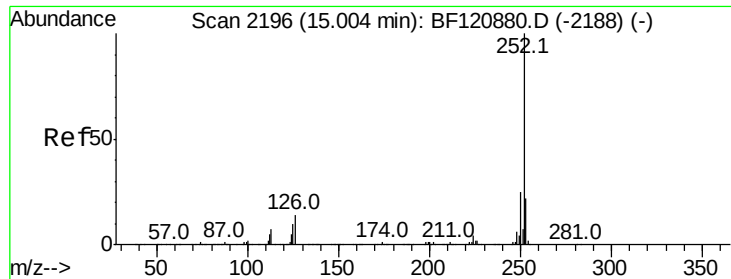
Delta R.T. -0.01 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Tgt Ion:	276	Resp:	80038
Ion Ratio	Lower	Upper	
276	100		
138	21.7	19.8	29.8
277	24.0	20.2	30.2





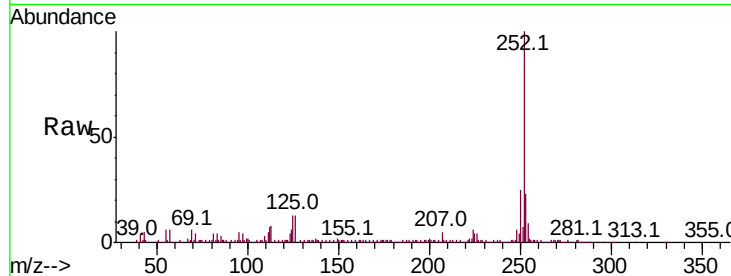
#88
Benzo(b)fluoranthene
Concen: 8.266 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :
CRT-022

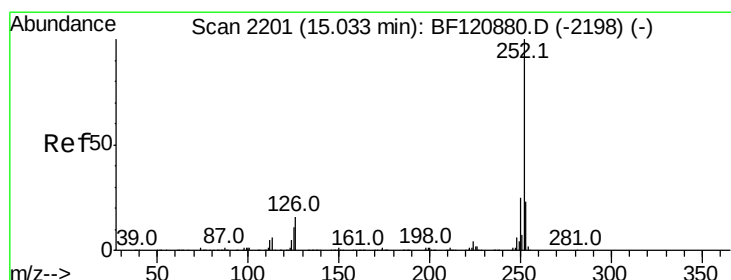
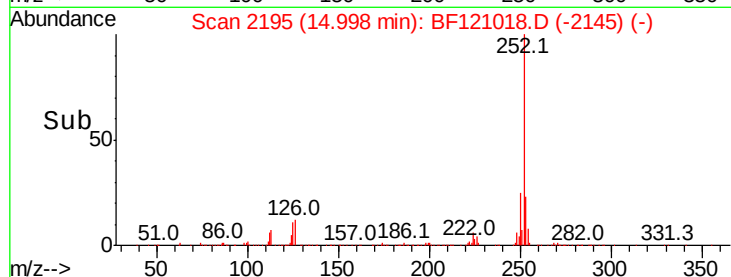
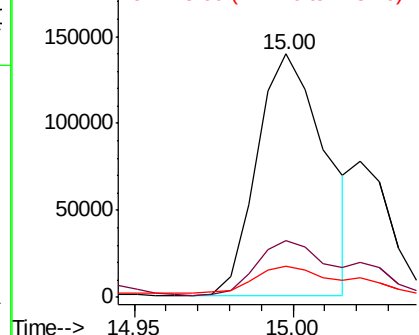
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	12.7	8.3	12.5

Manual Integrations
APPROVED

mohammad
7/27/2020 12:19:54 PM



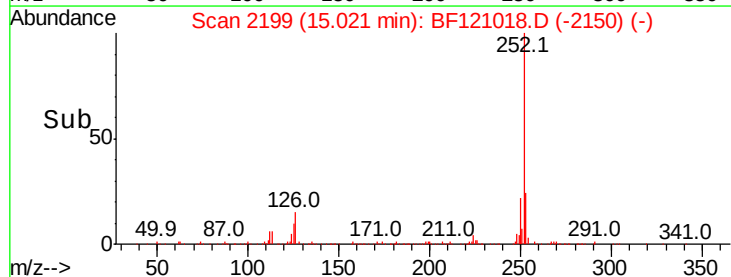
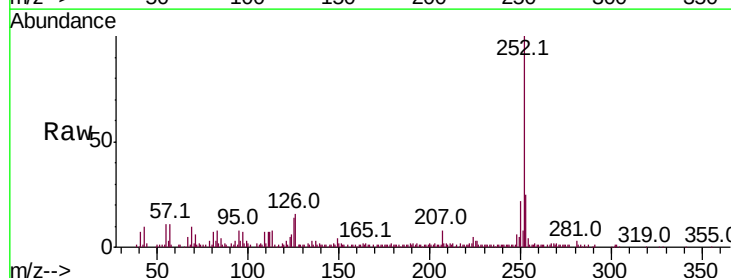
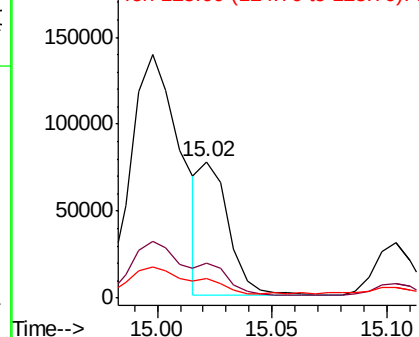
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

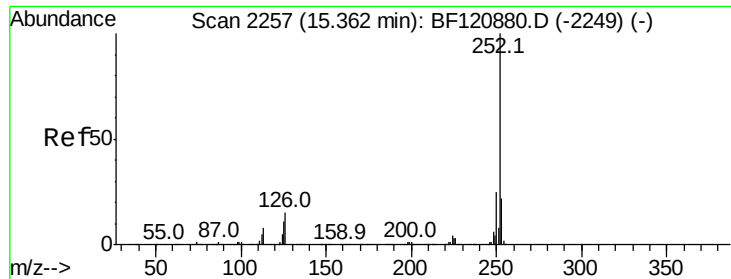


#89
Benzo(k)fluoranthene
Concen: 2.791 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	13.9	8.4	12.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 5.896 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF121018.D

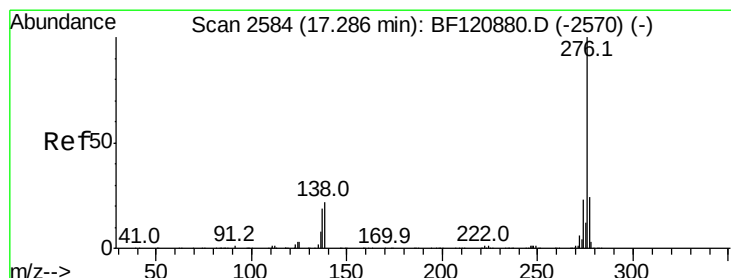
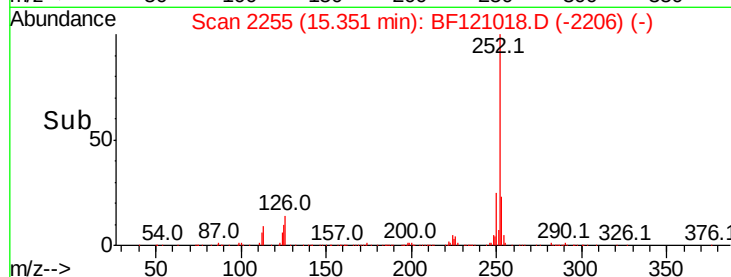
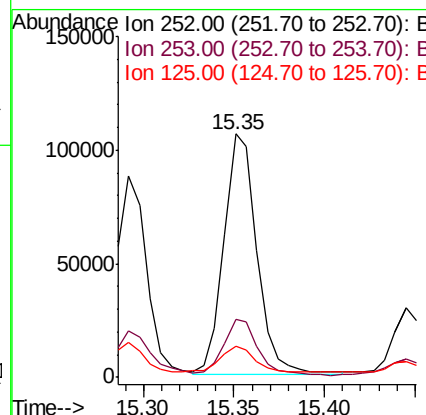
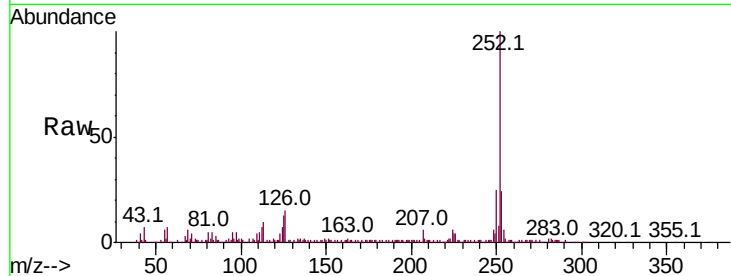
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :
CRT-022

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	12.9	8.9	13.3

Manual Integrations
APPROVED

mohammad
7/27/2020 12:19:54 PM



#92

Benzo(g,h,i)perylene

Concen: 3.246 ng

RT: 17.27 min Scan# 2581

Delta R.T. -0.02 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	23.0	17.5	26.3

