

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010320\
 Data File : BF118468.D
 Acq On : 3 Jan 2020 20:33
 Operator : JU
 Sample : K6484-44
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 40096-40103

Manual Integrations
 APPROVED

mohammad
 1/6/2020 11:44:08 AM

Quant Time: Jan 04 01:10:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	53027	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	242771	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	127809	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	196102	20.00	ng	0.00
76) Chrysene-d12	14.06	240	160157	20.00	ng	0.00
87) Perylene-d12	15.57	264	169761	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	296058	95.30	ng	0.00
7) Phenol-d6	6.49	99	385308	99.99	ng	0.00
23) Nitrobenzene-d5	7.41	82	242115	57.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	118820	75.28	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	508215	60.70	ng	-0.01
79) Terphenyl-d14	12.98	244	467009	48.38	ng	0.00
Target Compounds						
10) Phenol	6.49	94	10959	2.530	ng	Qvalue # 25
50) Dimethylphthalate	9.60	163	29695	3.095	ng	98
71) Phenanthrene	11.41	178	36468	3.411	ng	97
74) Di-n-butylphthalate	11.94	149	38057m	3.161	ng	
75) Fluoranthene	12.61	202	85882	7.960	ng	96
78) Pyrene	12.84	202	83231	6.364	ng	98
81) Benzo(a)anthracene	14.05	228	38186	3.406	ng	95
83) Chrysene	14.09	228	46192	4.303	ng	# 92
84) Bis(2-ethylhexyl)phthalate	14.02	149	115695	14.941	ng	94
85) Di-n-octyl phthalate	14.68	149	65608	5.760	ng	# 61
86) Indeno(1,2,3-cd)pyrene	17.10	276	26284	2.874	ng	# 92
88) Benzo(b)fluoranthene	15.13	252	64445m	5.719	ng	
90) Benzo(a)pyrene	15.51	252	38711	3.900	ng	# 1
92) Benzo(a,h,i)perylene	17.56	276	26408	3.174	ng	# 59

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

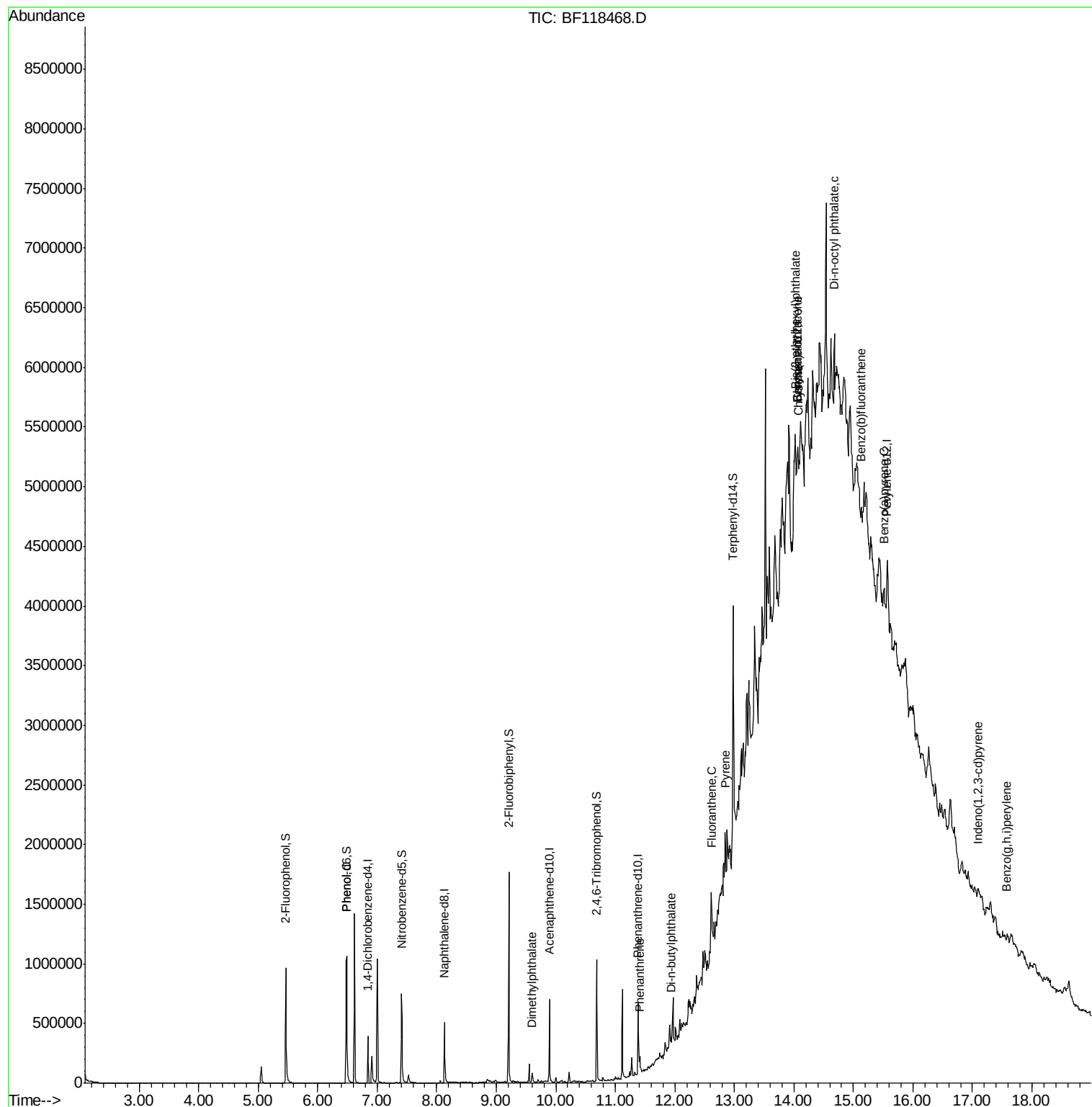
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010320\
Data File : BF118468.D
Acq On : 3 Jan 2020 20:33
Operator : JU
Sample : K6484-44
Misc :
ALS Vial : 7 Sample Multiplier: 1

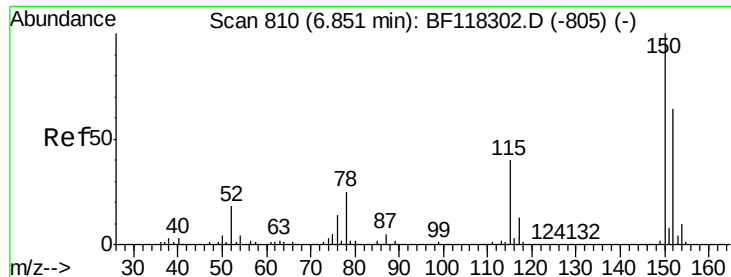
Instrument :
BNA_F
ClientSampleID :
40096-40103

Manual Integrations
APPROVED

mohammad
1/6/2020 11:44:08 AM

Quant Time: Jan 04 01:10:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration





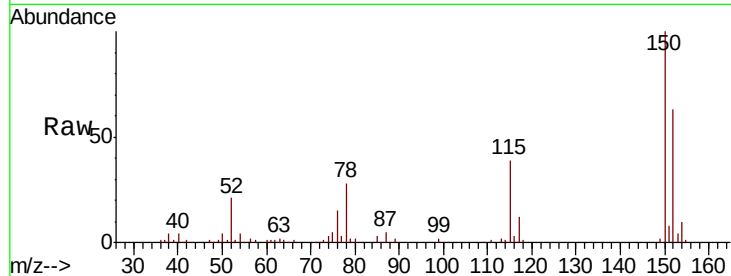
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118468.D
 Acq: 3 Jan 2020 20:33

Instrument :
 BNA_F
 ClientSampleID :
 40096-40103

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	125.4	188.2
115	61.3	50.2	75.4

Manual Integrations
 APPROVED

mohammad
 1/6/2020 11:44:08 AM

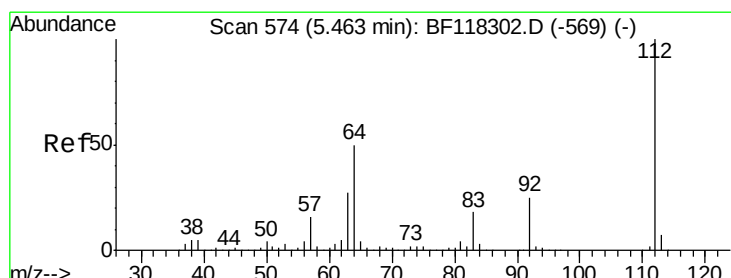
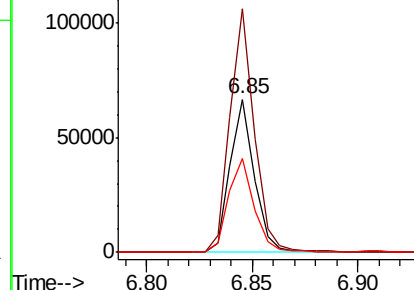
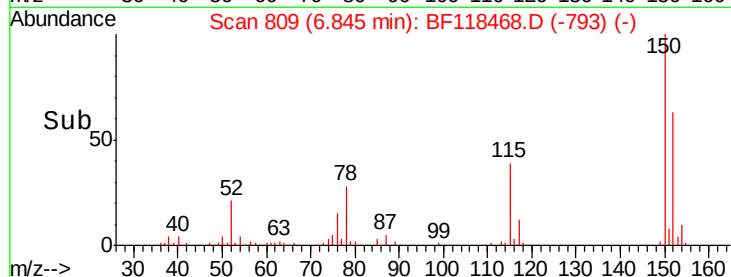


Abundance

Ion 152.00 (151.70 to 152.70): E

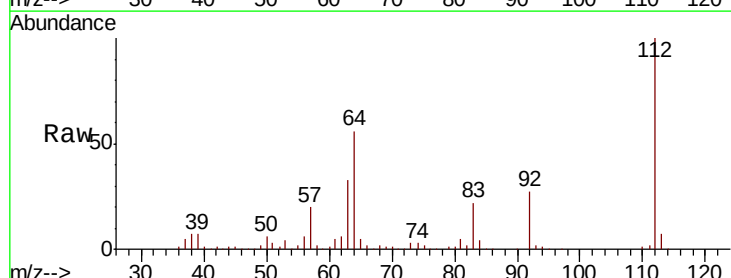
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 95.304 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF118468.D
 Acq: 3 Jan 2020 20:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	39.7	59.5
63	32.5	21.7	32.5#

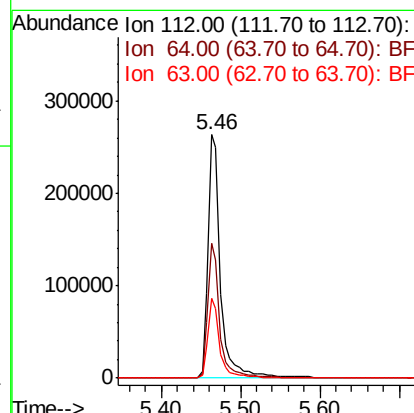
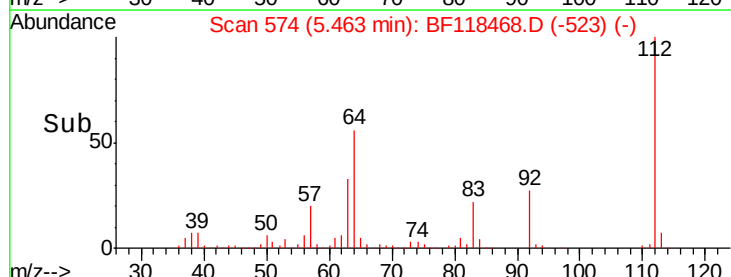


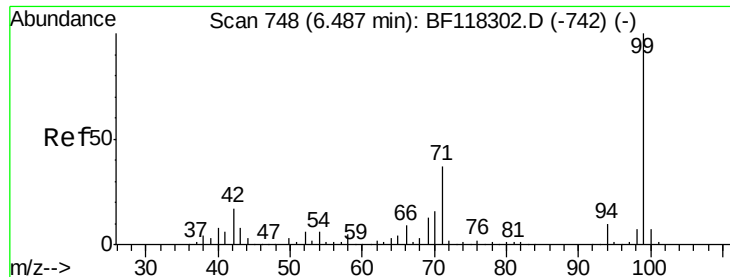
Abundance

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: 99.985 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118468.D

Acq: 3 Jan 2020 20:33

Instrument :

BNA_F

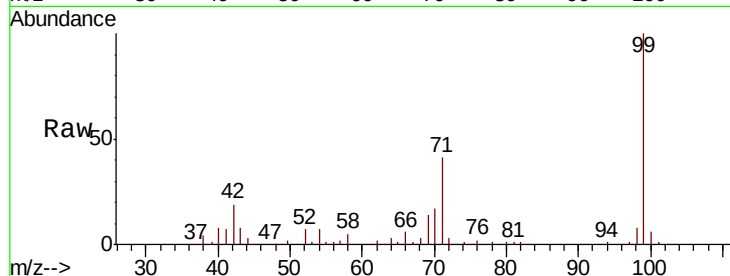
ClientSampleId :

40096-40103

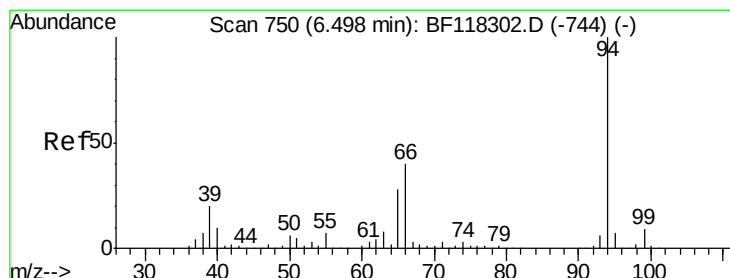
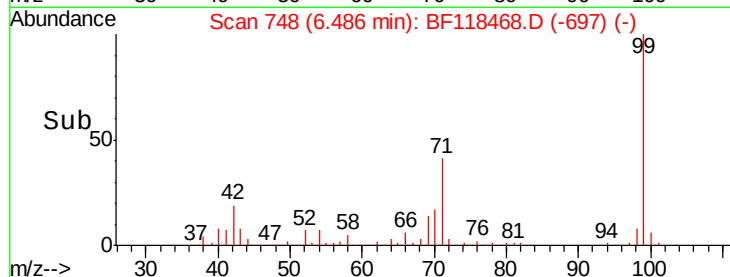
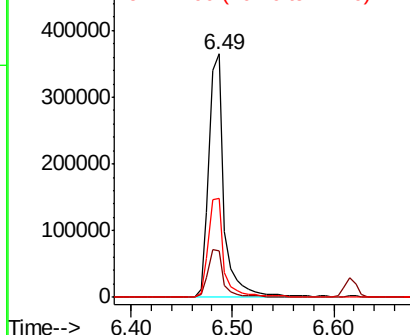
Tot Ion:	99	Resp:	385308
Ion Ratio	Lower	Upper	
99	100		
42	19.2	13.5	20.3
71	40.7	29.4	44.2

Manual Integrations
APPROVED

mohammad
1/6/2020 11:44:08 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.530 ng

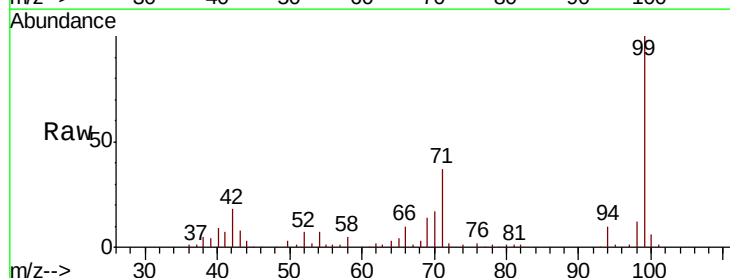
RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

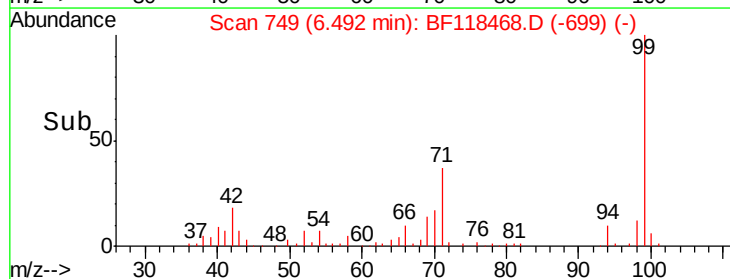
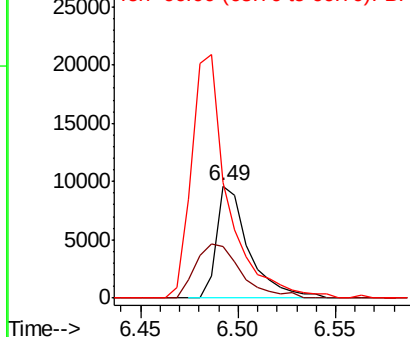
Lab File: BF118468.D

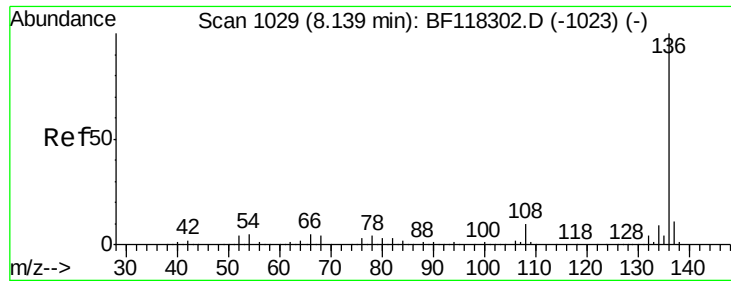
Acq: 3 Jan 2020 20:33

Tgt Ion:	94	Resp:	10959
Ion Ratio	Lower	Upper	
94	100		
65	46.0	7.8	47.8
66	104.0	20.4	60.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





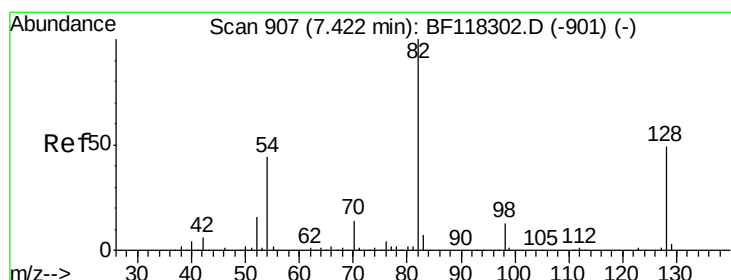
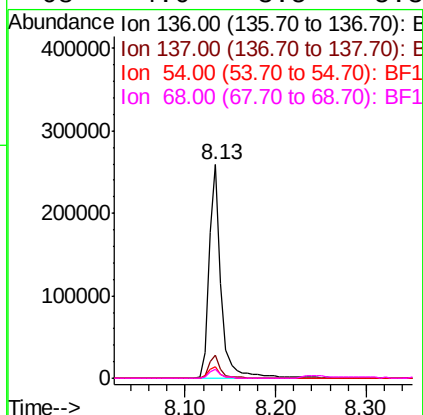
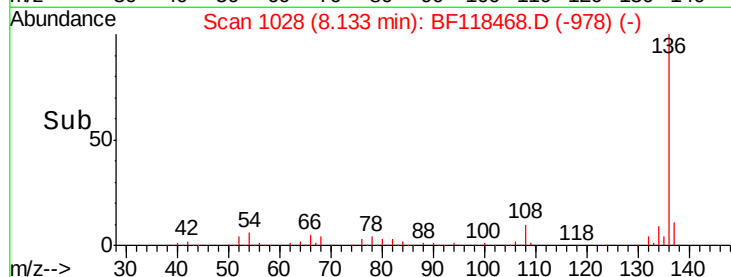
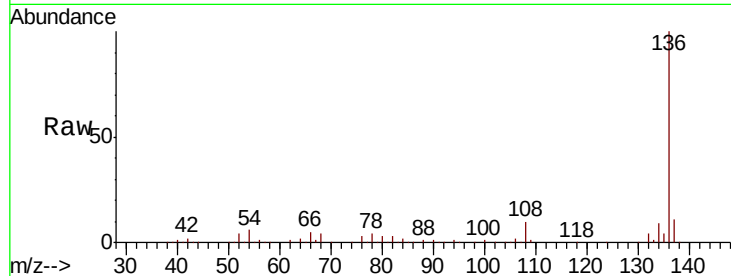
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118468.D
Acq: 3 Jan 2020 20:33

Instrument :
BNA_F
ClientSampleId :
40096-40103

Tot Ion	Ratio	Resp	Lower	Upper
136	100	242771		
137	10.8		8.9	13.3
54	5.6		4.2	6.4
68	4.0		3.5	5.3

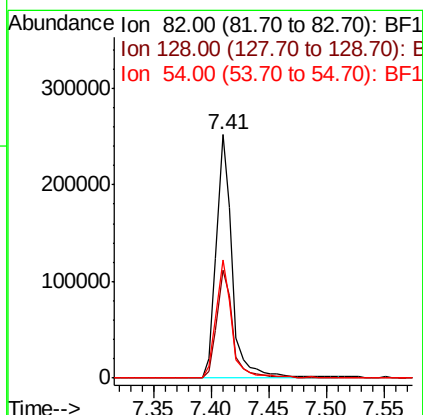
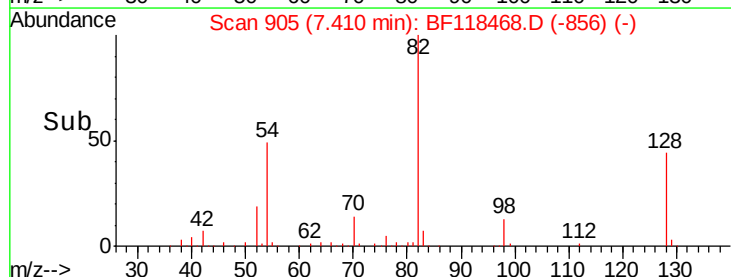
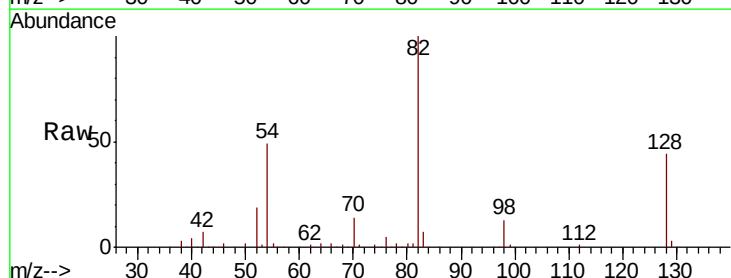
Manual Integrations
APPROVED

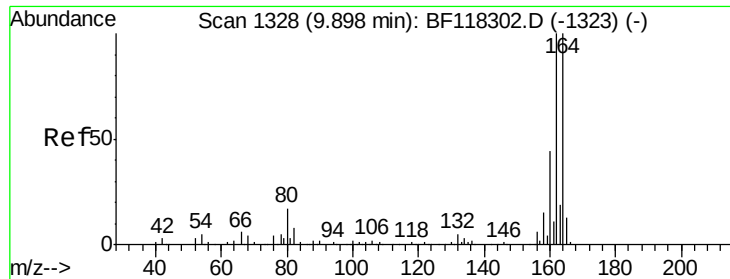
mohammad
1/6/2020 11:44:08 AM



#23
Nitrobenzene-d5
Concen: 57.040 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118468.D
Acq: 3 Jan 2020 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	242115		
128	44.3		39.6	59.4
54	48.8		34.9	52.3





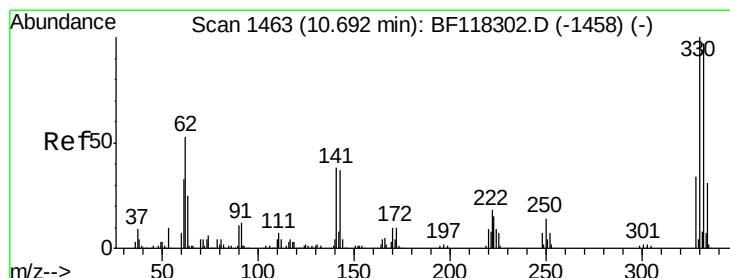
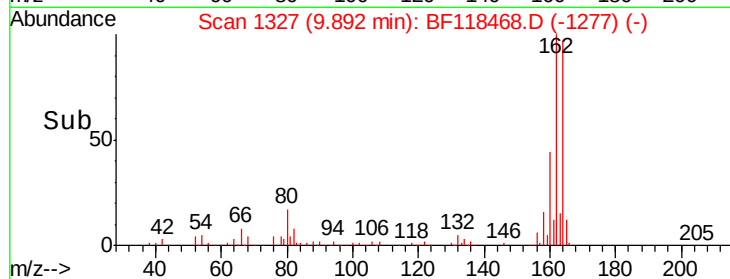
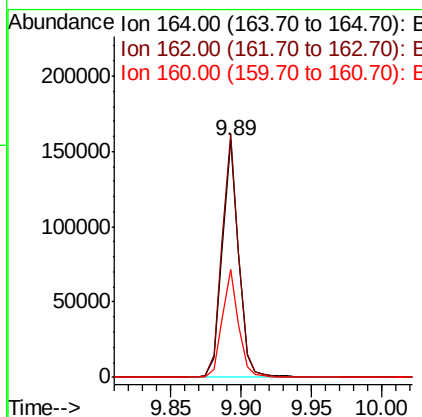
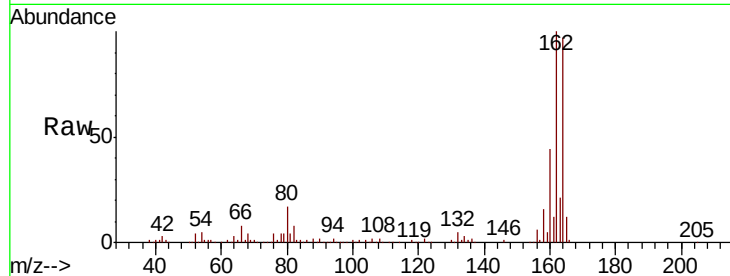
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF118468.D
 Acq: 3 Jan 2020 20:33

Instrument :
 BNA_F
 ClientSampleId :
 40096-40103

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.0	120.0
160	45.4	34.8	52.2

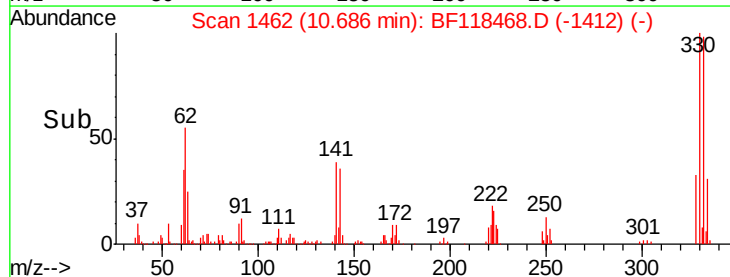
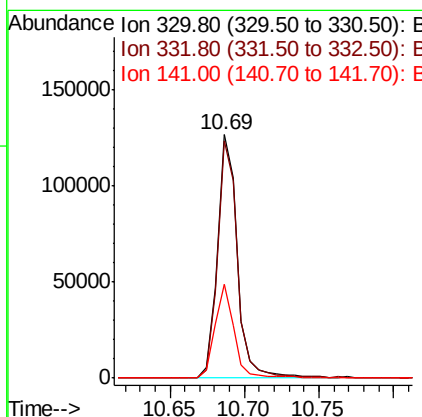
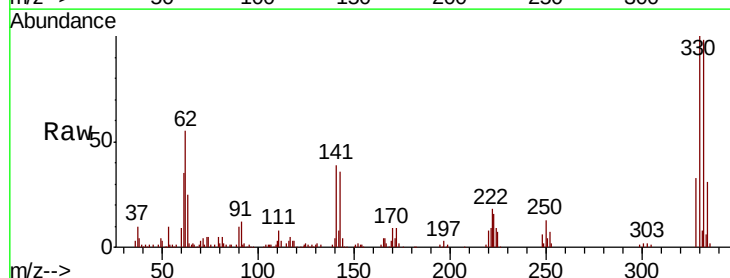
Manual Integrations
 APPROVED

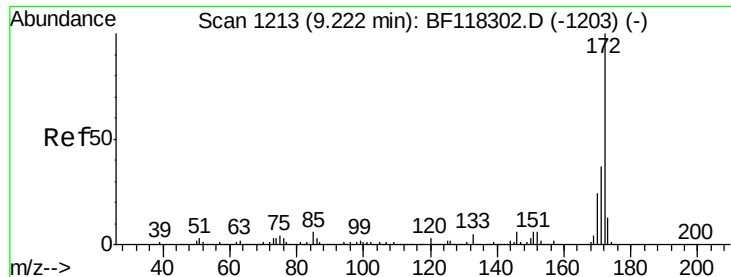
mohammad
 1/6/2020 11:44:08 AM



#42
 2,4,6-Tribromophenol
 Concen: 75.281 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF118468.D
 Acq: 3 Jan 2020 20:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.6	114.8
141	36.6	26.0	39.0





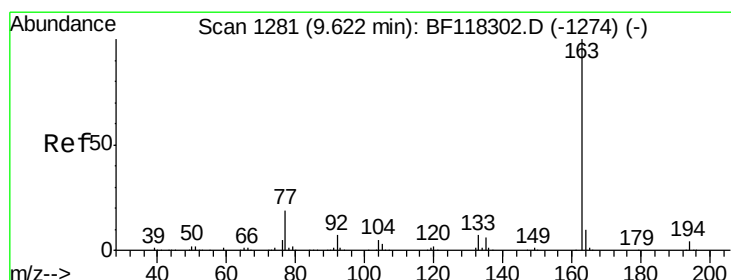
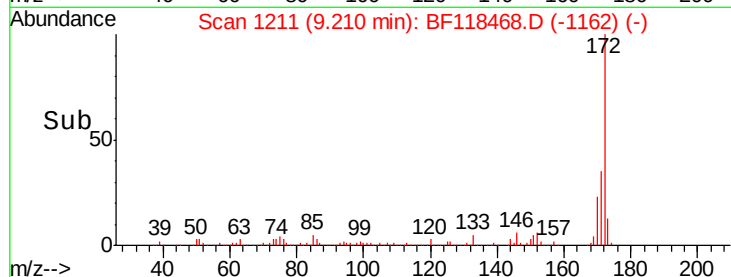
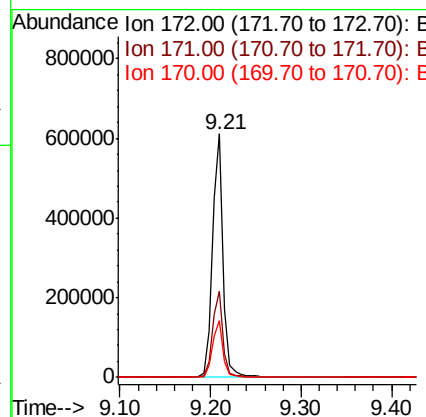
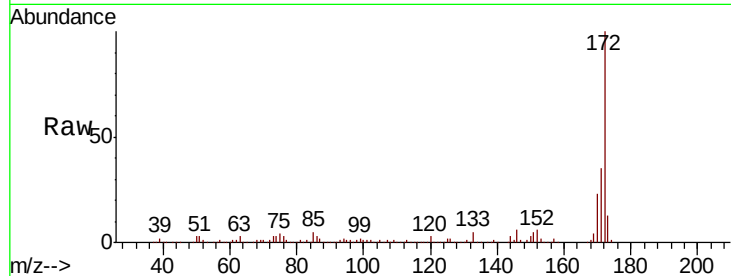
#45
2-Fluorobiphenyl
Concen: 60.698 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118468.D
Acq: 3 Jan 2020 20:33

Instrument :
BNA_F
ClientSampleId :
40096-40103

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.3	43.9	
170	23.4	19.2	28.8	

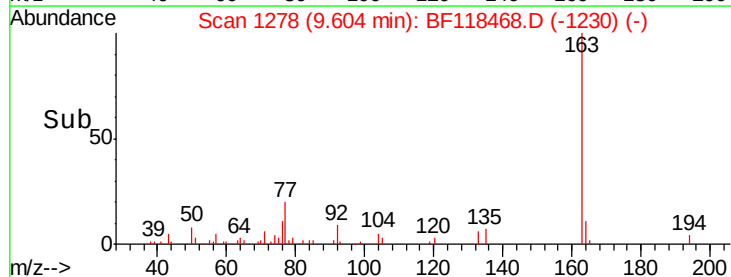
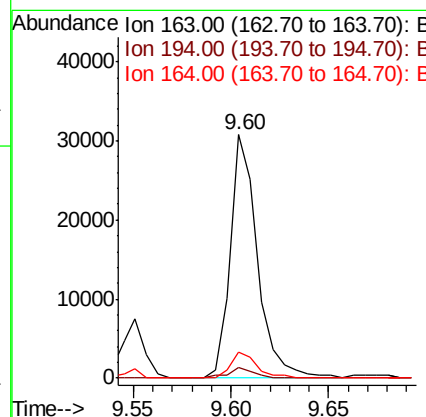
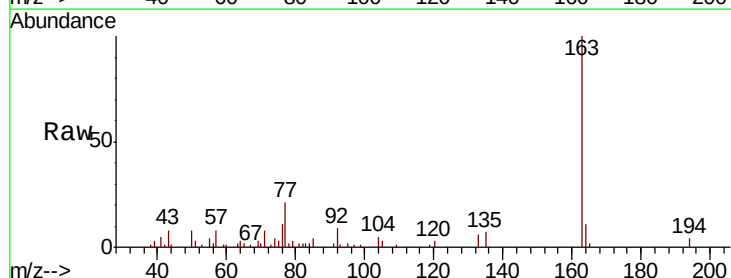
Manual Integrations
APPROVED

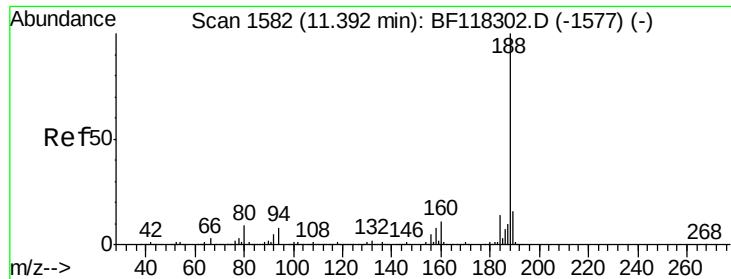
mohammad
1/6/2020 11:44:08 AM



#50
Dimethylphthalate
Concen: 3.095 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF118468.D
Acq: 3 Jan 2020 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	3.2	4.8	
164	10.7	7.9	11.9	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF118468.D

Acq: 3 Jan 2020 20:33

Instrument :

BNA_F

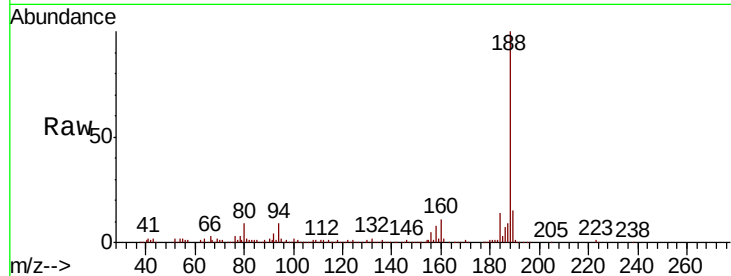
ClientSampleId :

40096-40103

Tot Ion	188	Resp	196102
Ion Ratio	Lower	Upper	
188	100		
94	9.0	6.7	10.1
80	8.6	7.2	10.8

Manual Integrations
APPROVED

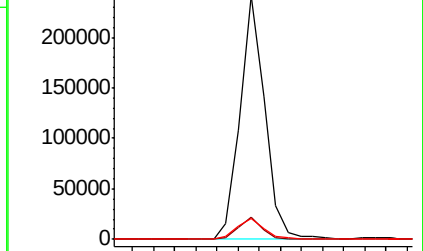
mohammad
1/6/2020 11:44:08 AM



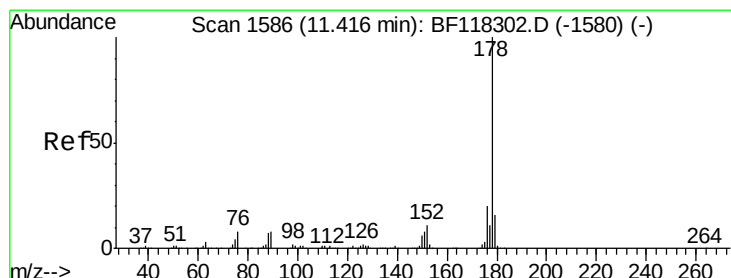
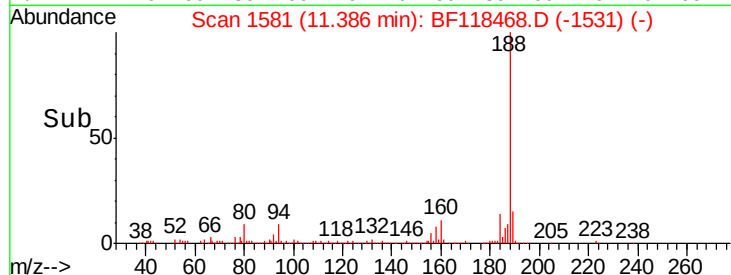
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#71

Phenanthrene

Concen: 3.411 ng

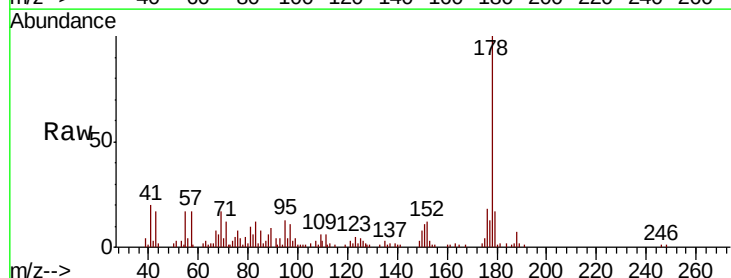
RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118468.D

Acq: 3 Jan 2020 20:33

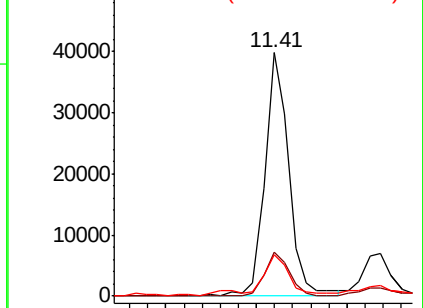
Tgt Ion	178	Resp	36468
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.6	23.4
179	16.9	12.6	19.0



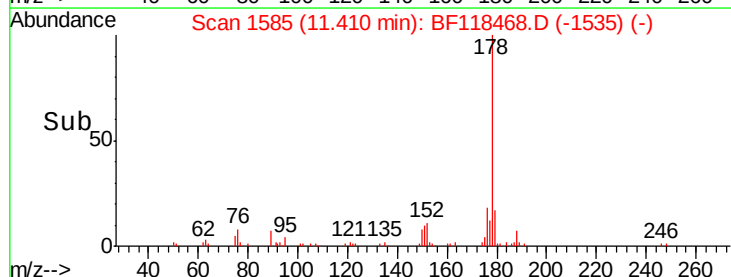
Abundance Ion 178.00 (177.70 to 178.70): E

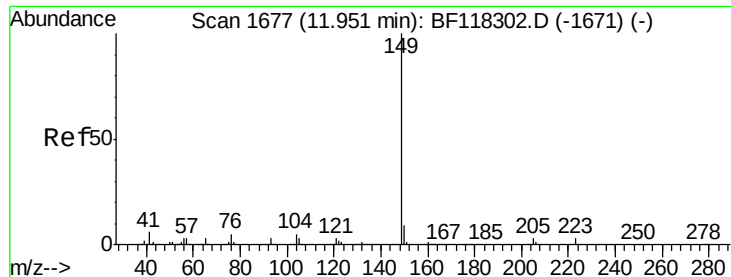
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Di-n-butylphthalate

Concen: 3.161 ng/mL

RT: 11.94 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BF118468.D

Acq: 3 Jan 2020 20:33

Instrument :

BNA_F

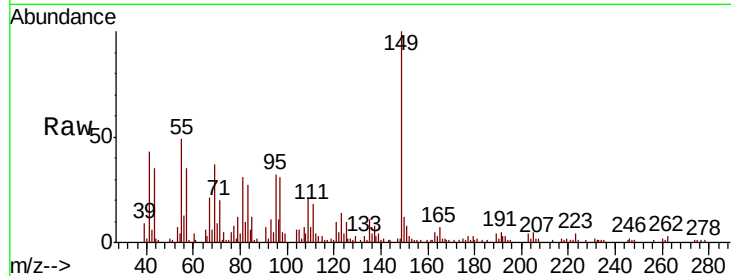
ClientSampleId :

40096-40103

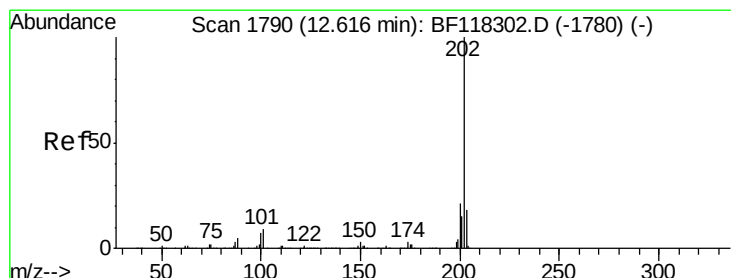
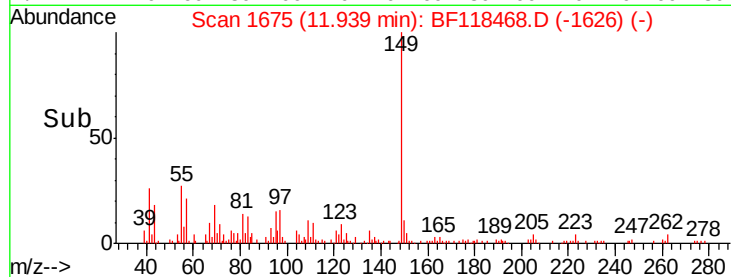
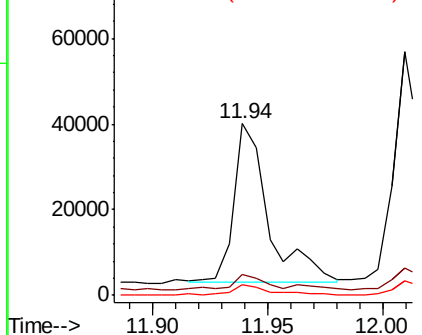
Tot Ion:	149	Resp:	38057
Ion Ratio	Lower	Upper	
149	100		
150	12.2	7.5	11.3#
104	5.9	4.0	6.0

Manual Integrations
APPROVED

mohammad
1/6/2020 11:44:08 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 7.960 ng/mL

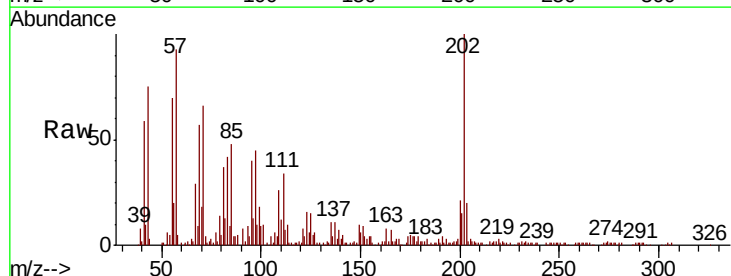
RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

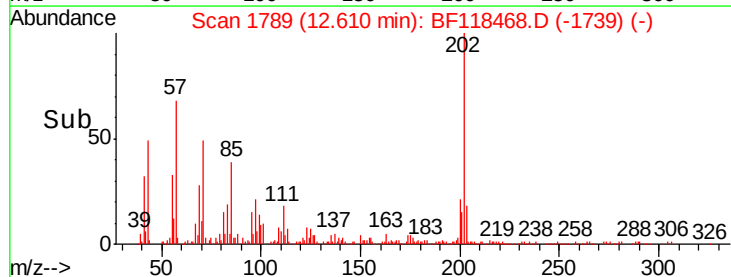
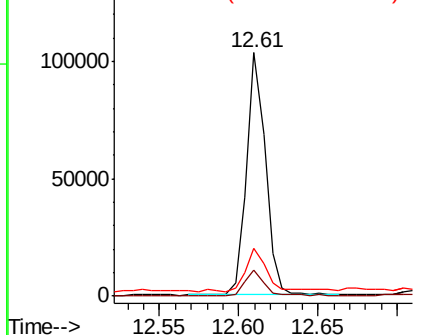
Lab File: BF118468.D

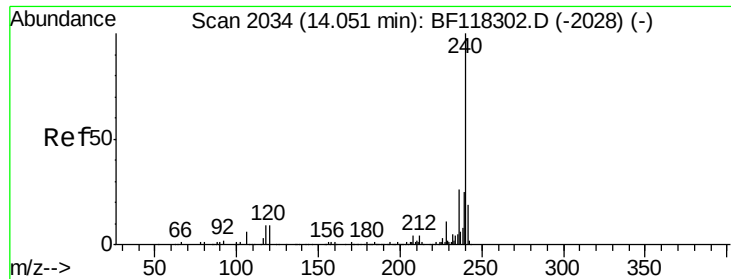
Acq: 3 Jan 2020 20:33

Tgt Ion:	202	Resp:	85882
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	29.5
203	19.6	0.0	37.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





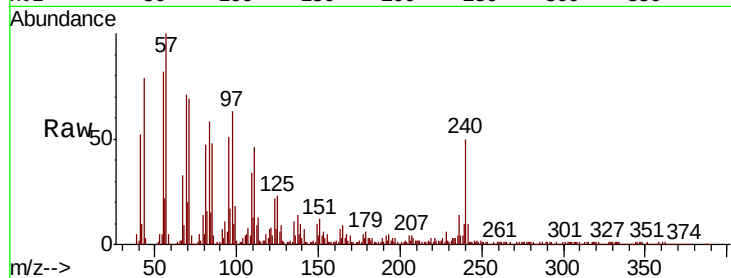
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF118468.D
Acq: 3 Jan 2020 20:33

Instrument :
BNA_F
ClientSampleId :
40096-40103

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	7.1	10.7#
236	27.1	21.0	31.6

Manual Integrations
APPROVED

mohammad
1/6/2020 11:44:08 AM

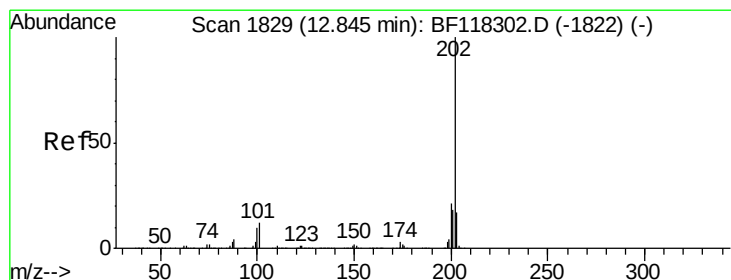
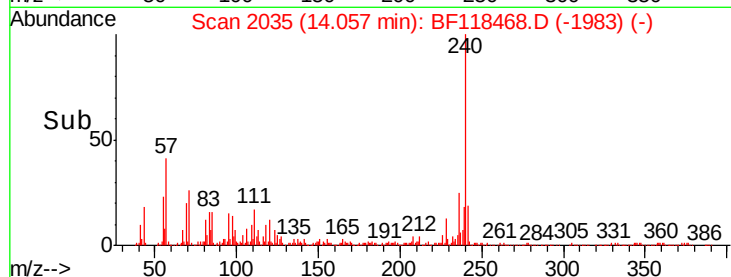
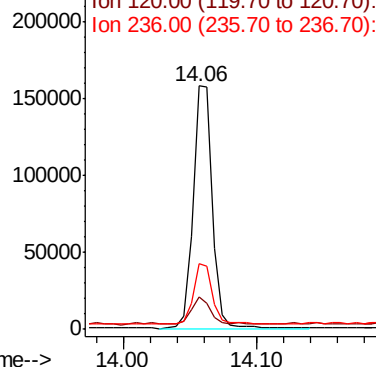


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 6.364 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118468.D
Acq: 3 Jan 2020 20:33

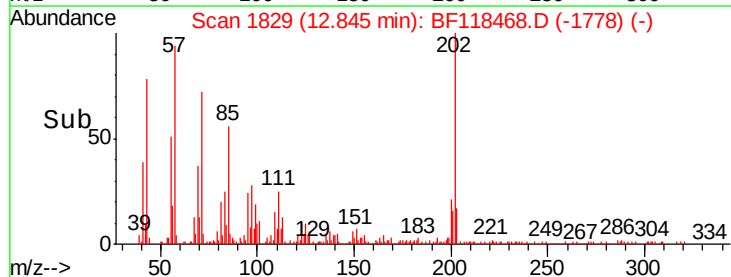
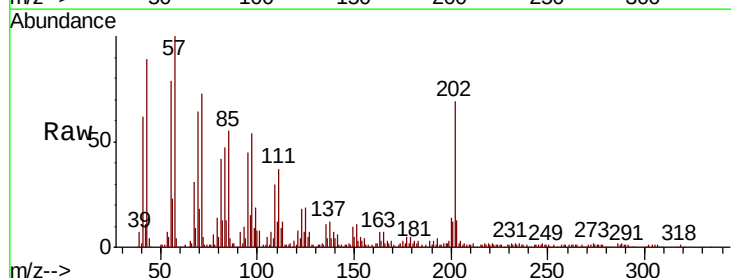
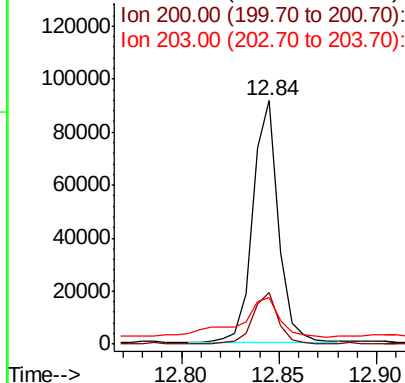
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	19.1	13.9	20.9

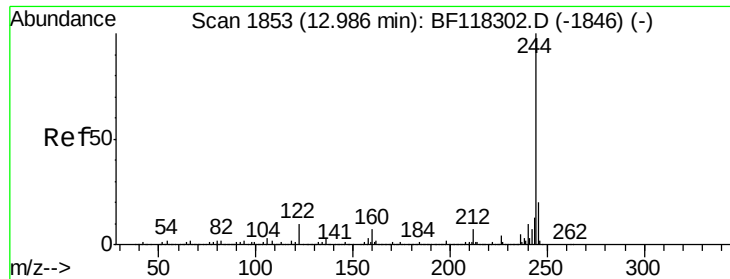
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





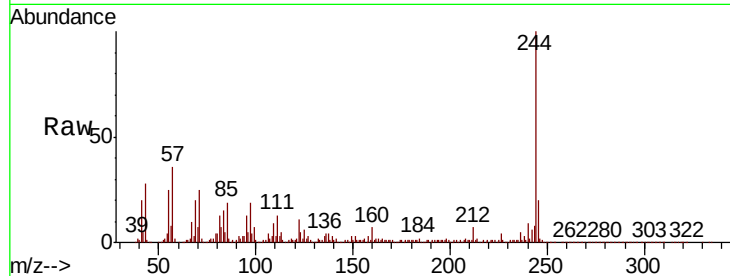
#79
 Terphenyl-d14
 Concen: 48.376 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF118468.D
 Acq: 3 Jan 2020 20:33

Instrument :
 BNA_F
 ClientSampleId :
 40096-40103

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	11.2	7.8	11.8

Manual Integrations
 APPROVED

mohammad
 1/6/2020 11:44:08 AM

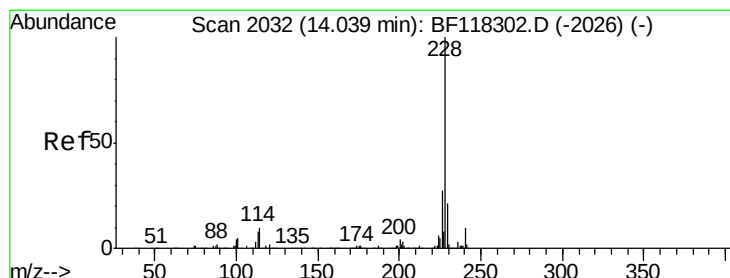
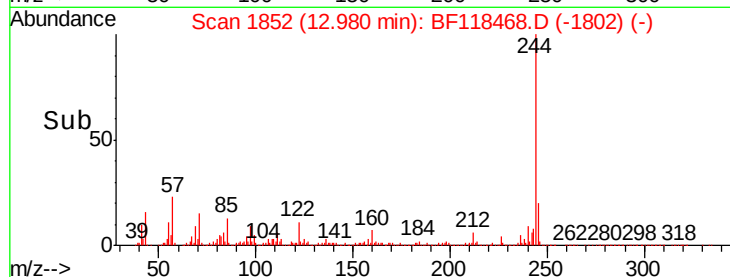
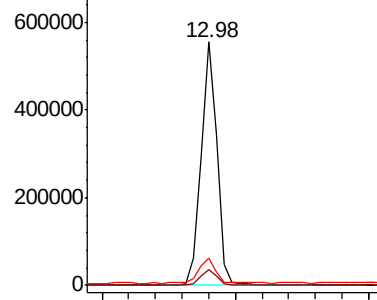


Abundance

Ion 244.00 (243.70 to 244.70): E

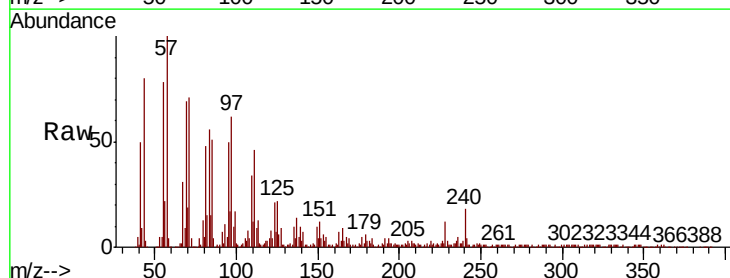
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 3.406 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF118468.D
 Acq: 3 Jan 2020 20:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.0	33.0
229	24.3	16.6	24.8

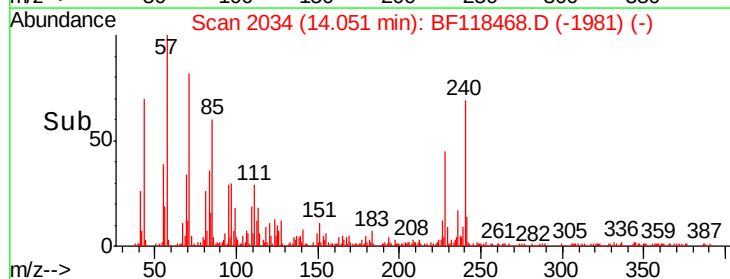
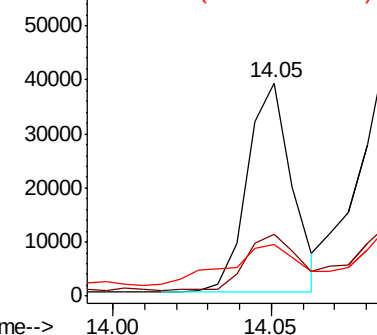


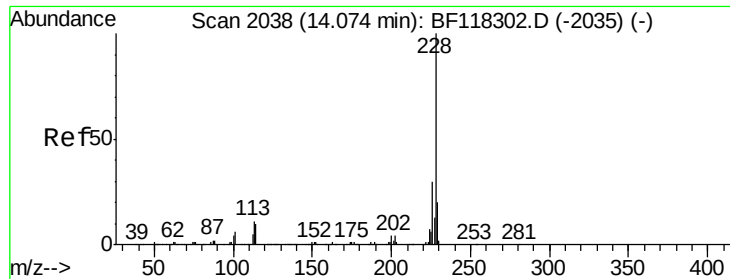
Abundance

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





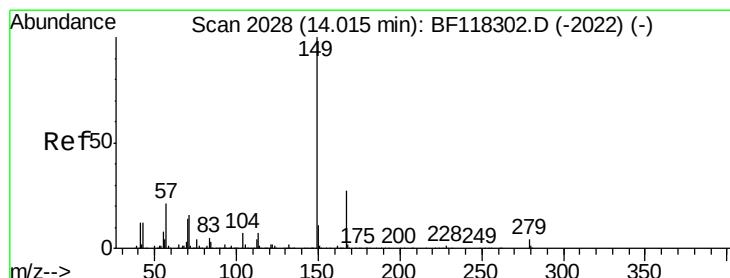
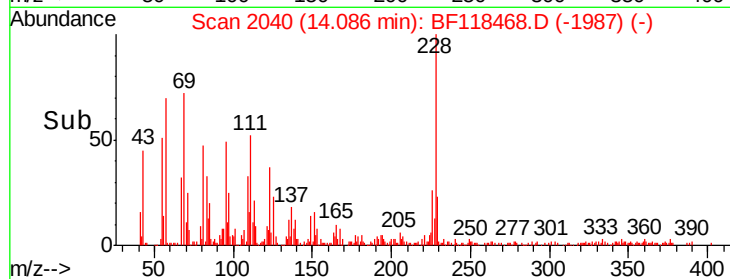
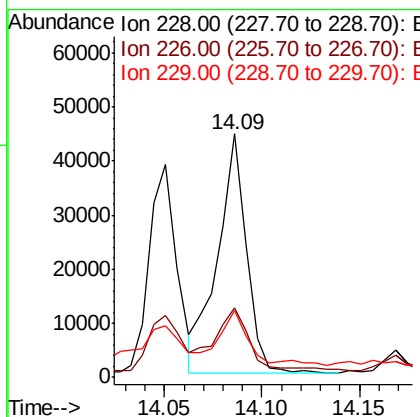
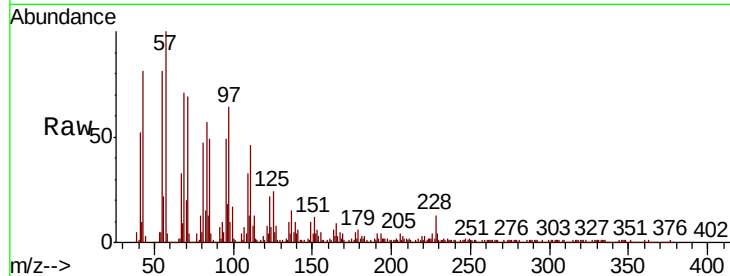
#83
 Chrysene
 Concen: 4.303 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.01 min
 Lab File: BF118468.D
 Acq: 3 Jan 2020 20:33

Instrument :
 BNA_F
 ClientSampleId :
 40096-40103

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.9	35.9
229	27.3	16.1	24.1

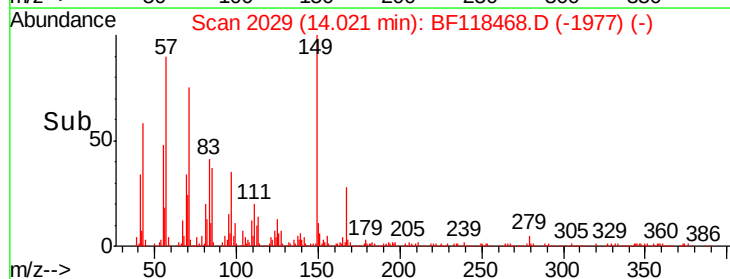
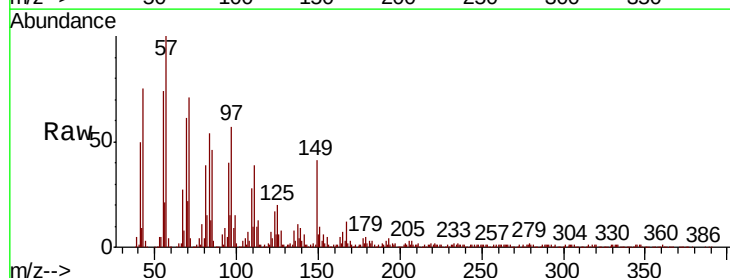
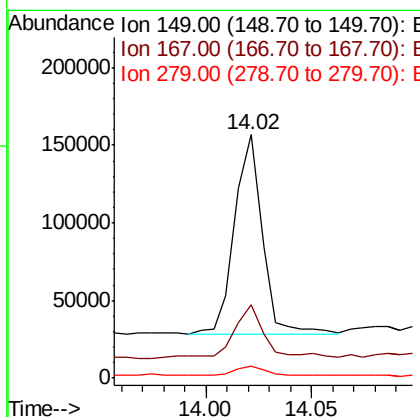
Manual Integrations
 APPROVED

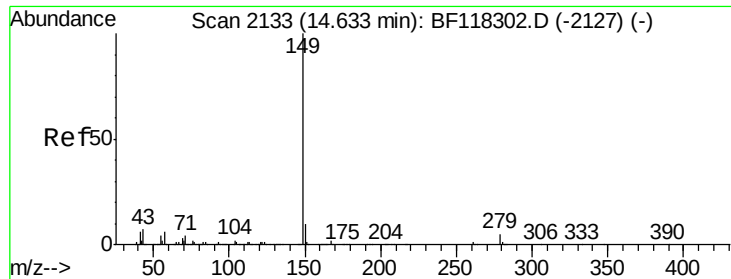
mohammad
 1/6/2020 11:44:08 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 14.941 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF118468.D
 Acq: 3 Jan 2020 20:33

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.0	21.3	31.9
279	4.8	3.4	5.2





#85

Di-n-octyl phthalate

Concen: 5.760 ng

RT: 14.68 min Scan# 2141

Delta R.T. 0.05 min

Lab File: BF118468.D

Acq: 3 Jan 2020 20:33

Instrument :

BNA_F

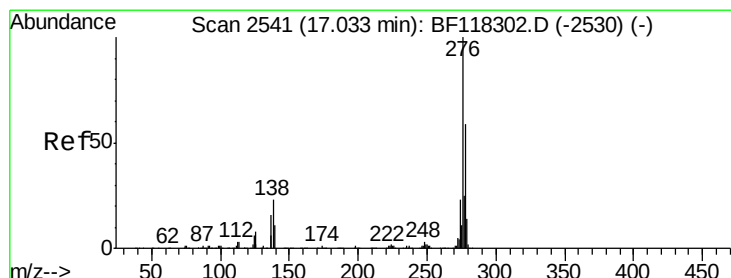
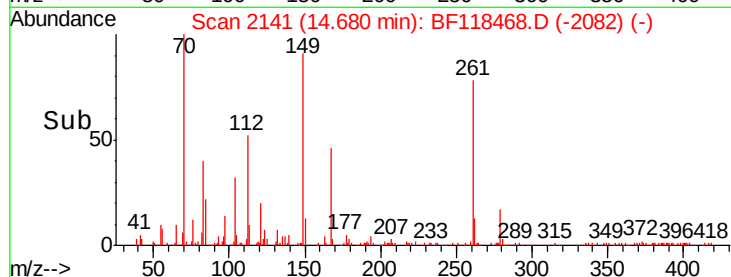
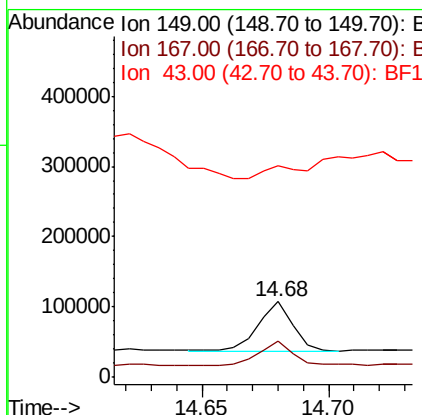
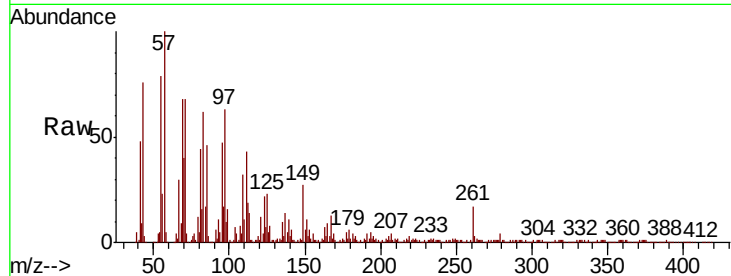
ClientSampleId :

40096-40103

Tot Ion:	149	Resp:	65608
Ion Ratio	Lower	Upper	
149	100		
167	49.8	1.2	1.8#
43	0.0	6.1	9.1#

Manual Integrations
APPROVED

mohammad
1/6/2020 11:44:08 AM



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.874 ng

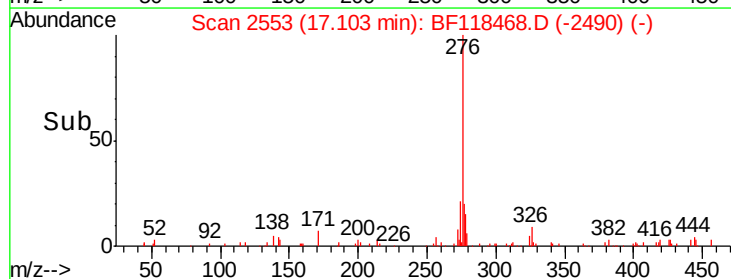
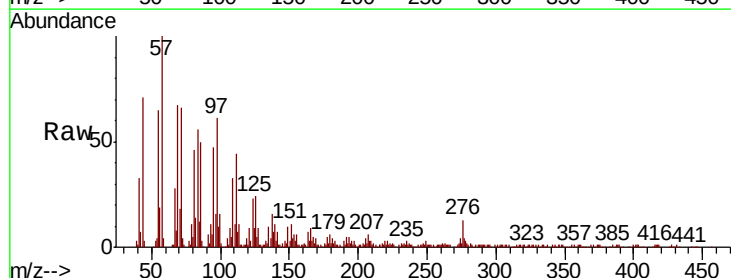
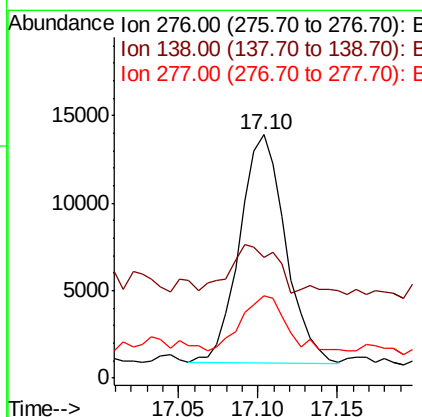
RT: 17.10 min Scan# 2553

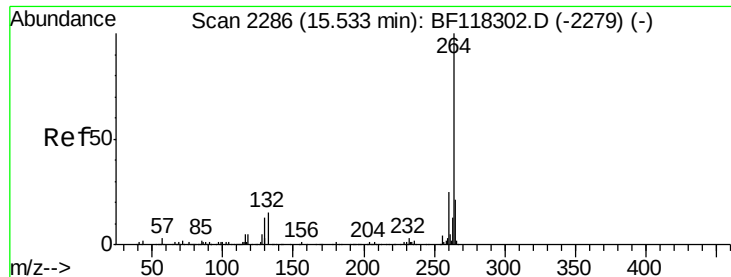
Delta R.T. 0.07 min

Lab File: BF118468.D

Acq: 3 Jan 2020 20:33

Tgt Ion:	276	Resp:	26284
Ion Ratio	Lower	Upper	
276	100		
138	18.9	19.5	29.3#
277	23.3	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.04 min

Lab File: BF118468.D

Acq: 3 Jan 2020 20:33

Instrument :

BNA_F

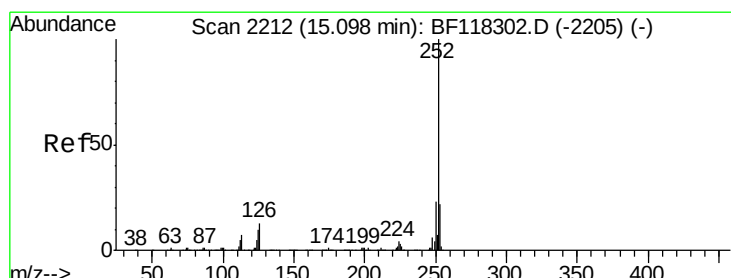
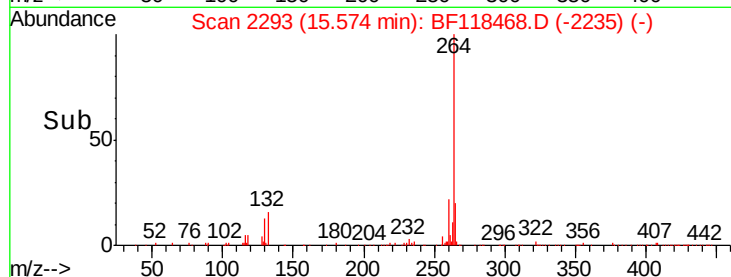
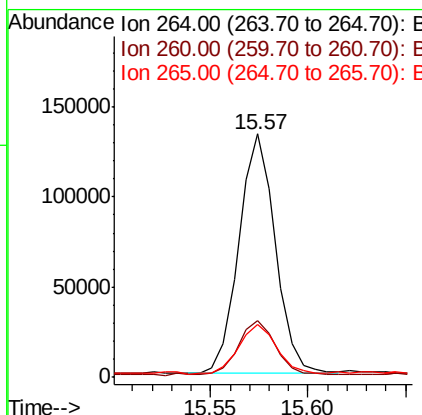
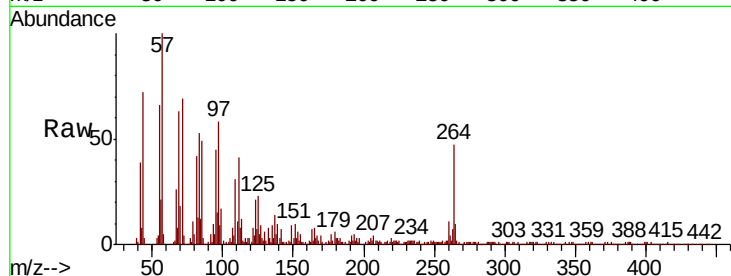
ClientSampleId :

40096-40103

Tot Ion:	264	Resp:	169761
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.8	29.6
265	21.9	17.0	25.4

Manual Integrations
APPROVED

mohammad
1/6/2020 11:44:08 AM



#88

Benzo(b)fluoranthene

Concen: 5.719 ng m

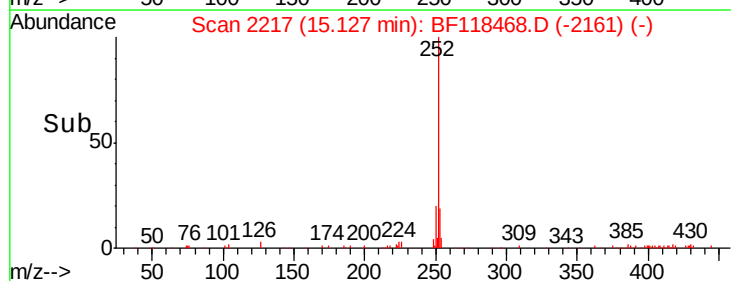
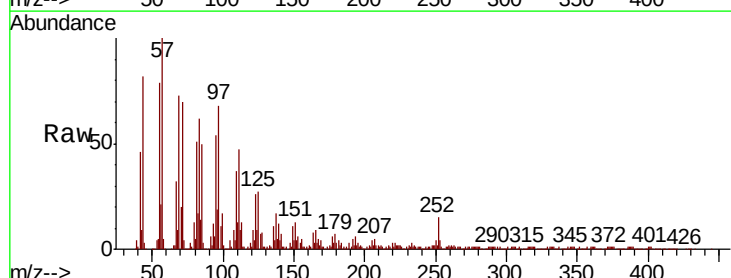
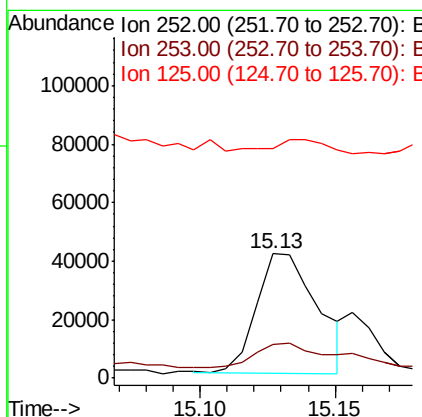
RT: 15.13 min Scan# 2217

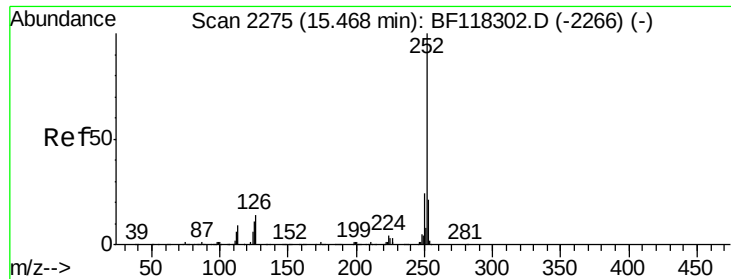
Delta R.T. 0.03 min

Lab File: BF118468.D

Acq: 3 Jan 2020 20:33

Tgt Ion:	252	Resp:	64445
Ion Ratio	Lower	Upper	
252	100		
253	27.6	17.5	26.3#
125	184.5	7.7	11.5#





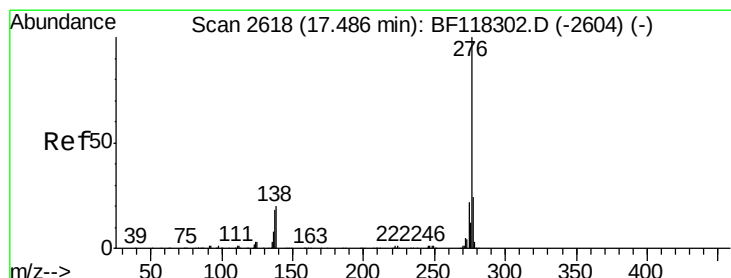
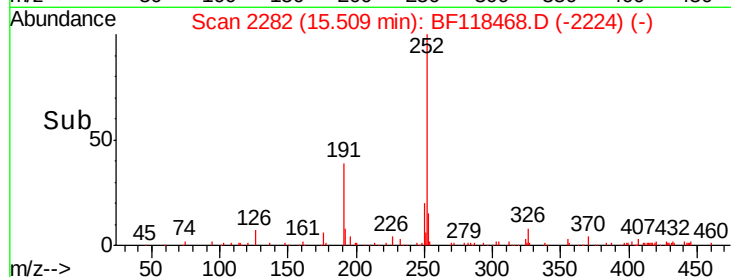
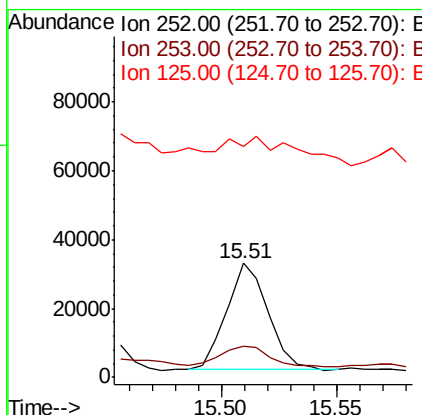
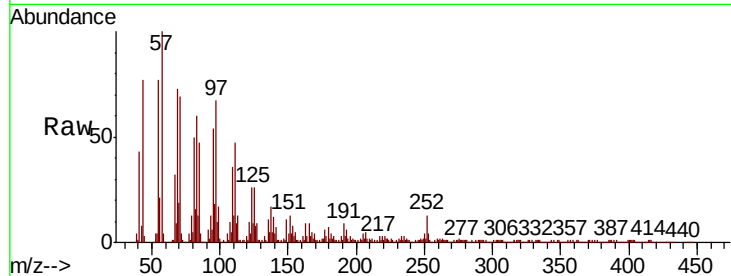
#90
Benzo(a)pyrene
Concen: 3.900 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.04 min
Lab File: BF118468.D
Acq: 3 Jan 2020 20:33

Instrument :
BNA_F
ClientSampleId :
40096-40103

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.0	25.6#
125	202.5	9.0	13.4#

Manual Integrations
APPROVED

mohammad
1/6/2020 11:44:08 AM



#92
Benzo(g,h,i)perylene
Concen: 3.174 ng
RT: 17.56 min Scan# 2631
Delta R.T. 0.08 min
Lab File: BF118468.D
Acq: 3 Jan 2020 20:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.9	19.1	28.7#
138	51.4	16.1	24.1#

