

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
 Data File : BF118915.D
 Acq On : 12 Feb 2020 15:10
 Operator : CG/JU
 Sample : L1493-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SECTION-C

Manual Integrations
 APPROVED

mohammad
 2/13/2020 3:34:26 PM

Quant Time: Feb 13 12:50:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	190356	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	957552	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	486442	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	792630	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	589370	20.00	ng	-0.01
87) Perylene-d12	15.43	264	635993	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	683088	67.93	ng	0.00
7) Phenol-d6	6.45	99	833639	66.78	ng	0.00
23) Nitrobenzene-d5	7.36	82	521139	32.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	325441	55.91	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1469750	54.01	ng	-0.02
79) Terphenyl-d14	12.91	244	1336469	46.58	ng	-0.02
Target Compounds						
71) Phenanthrene	11.35	178	182260	4.674	ng	97
75) Fluoranthene	12.54	202	358545	8.421	ng	98
78) Pyrene	12.77	202	301720	7.462	ng	98
81) Benzo(a)anthracene	13.96	228	168901	4.816	ng	98
83) Chrysene	13.99	228	173360	4.925	ng	96
84) Bis(2-ethylhexyl)phthalate	13.94	149	214300	9.153	ng	98
86) Indeno(1,2,3-cd)pyrene	16.87	276	110388	3.121	ng	96
88) Benzo(b)fluoranthene	15.00	252	233322m	5.912	ng	
90) Benzo(a)pyrene	15.36	252	147745	4.375	ng	# 87
92) Benzo(g,h,i)perylene	17.30	276	102042	3.539	ng	# 93

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

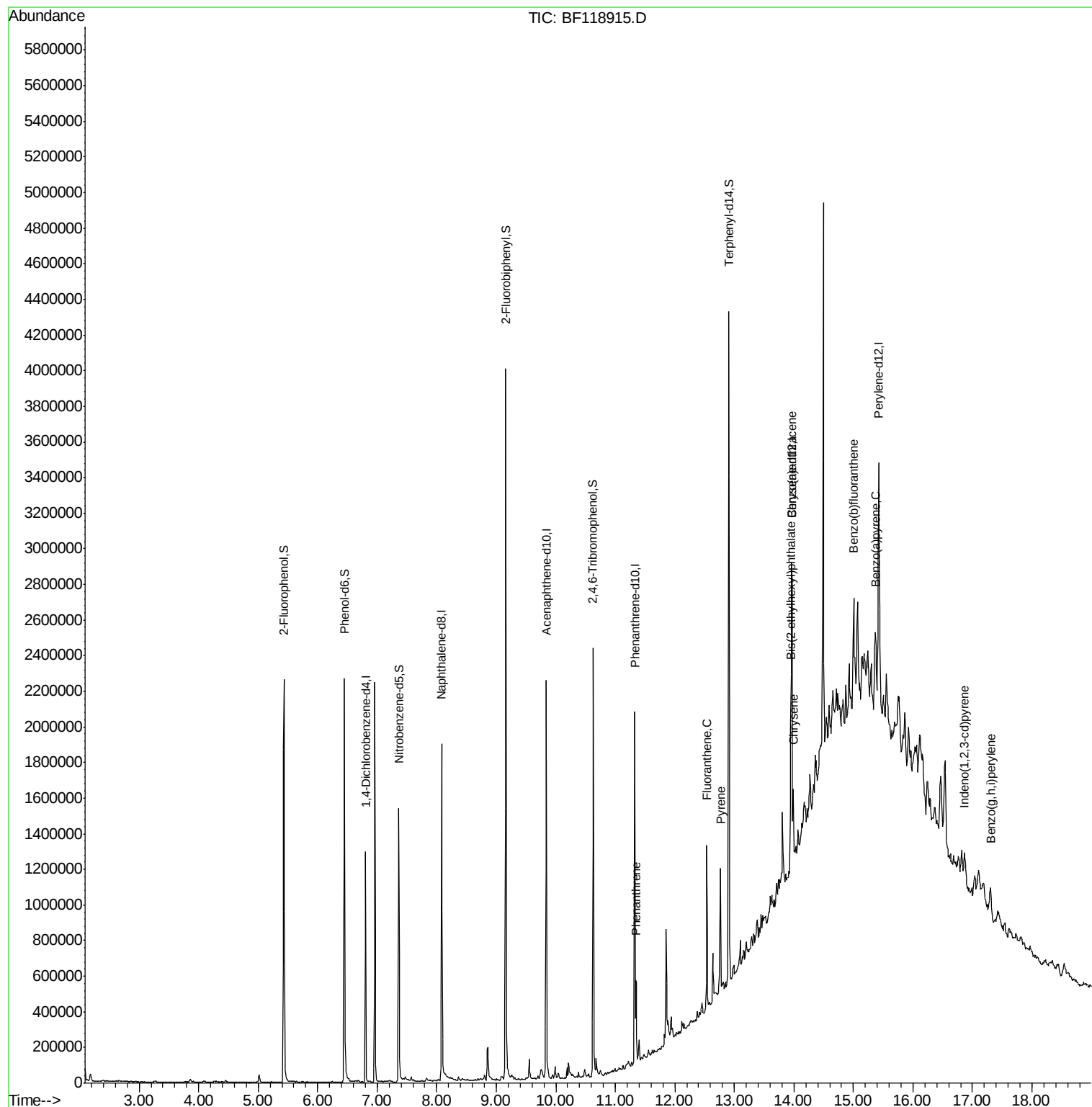
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118915.D
Acq On : 12 Feb 2020 15:10
Operator : CG/JU
Sample : L1493-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

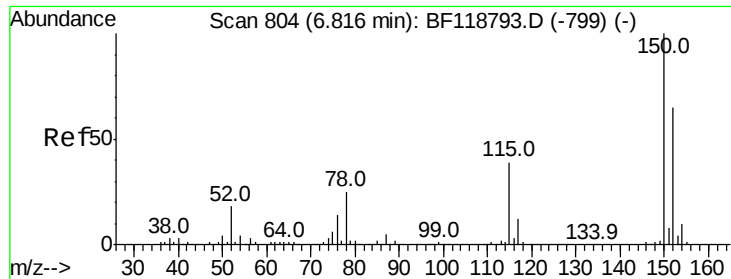
Instrument :
BNA_F
ClientSampled :
SECTION-C

Manual Integrations
APPROVED

mohammad
2/13/2020 3:34:26 PM

Quant Time: Feb 13 12:50:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





#1

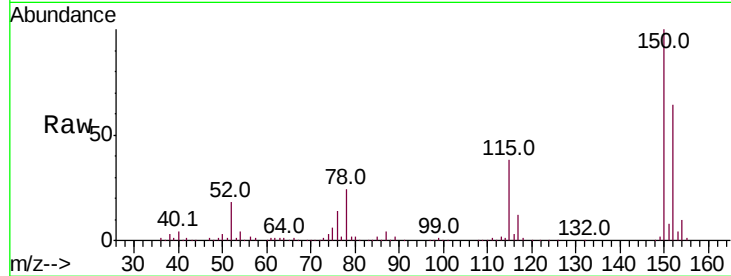
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF118915.D
 Acq: 12 Feb 2020 15:10

Instrument :
 BNA_F
 ClientSampleId :
 SECTION-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.6	185.4
115	59.0	48.2	72.2

Manual Integrations
 APPROVED

mohammad
 2/13/2020 3:34:26 PM

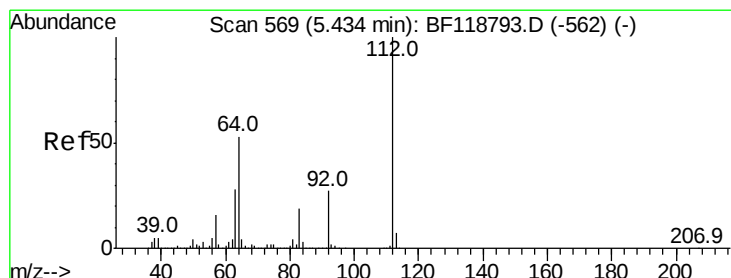
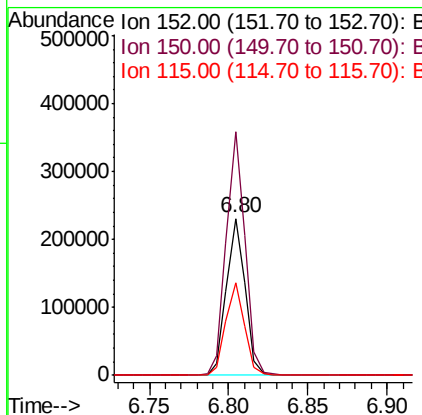
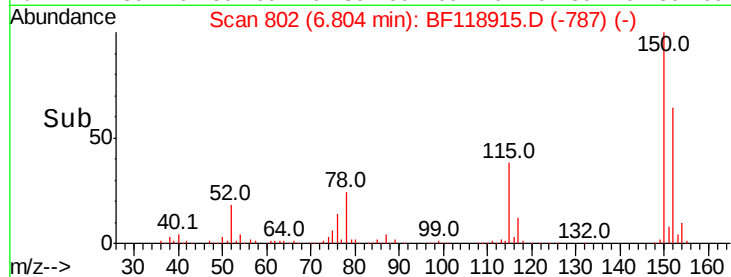


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

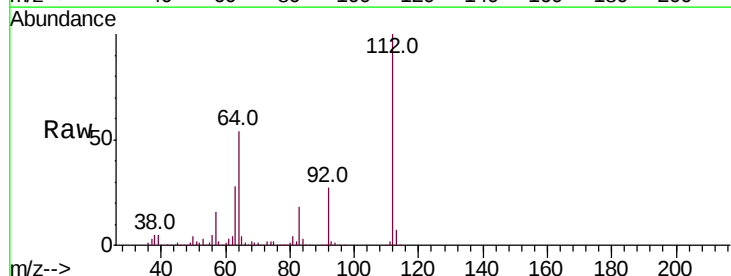
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 67.927 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: BF118915.D
 Acq: 12 Feb 2020 15:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	42.6	63.8
63	28.0	22.2	33.4

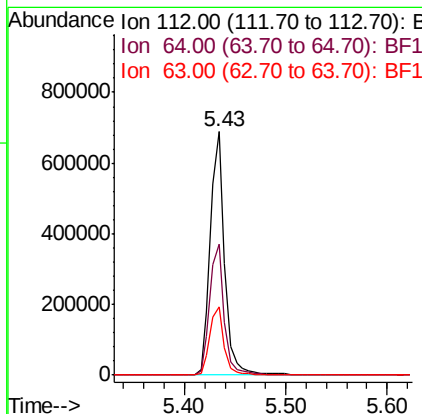
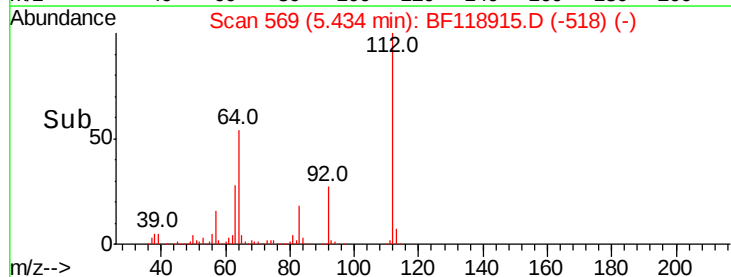


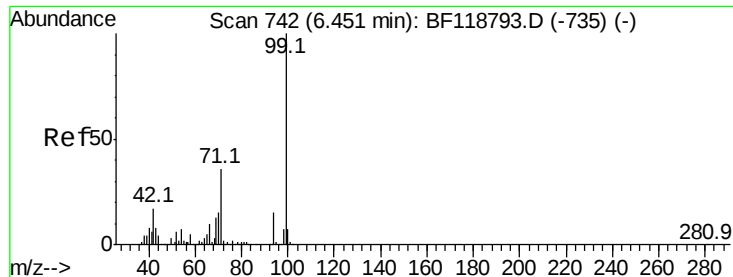
Abundance

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: 66.780 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118915.D

Acq: 12 Feb 2020 15:10

Instrument :

BNA_F

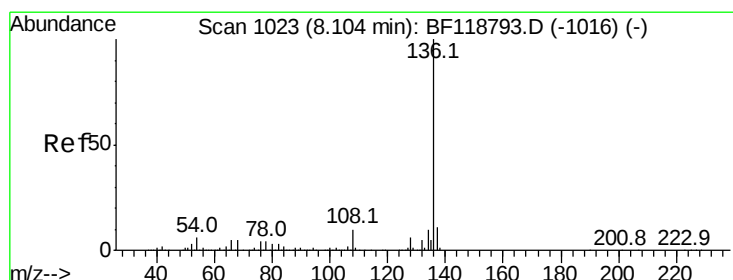
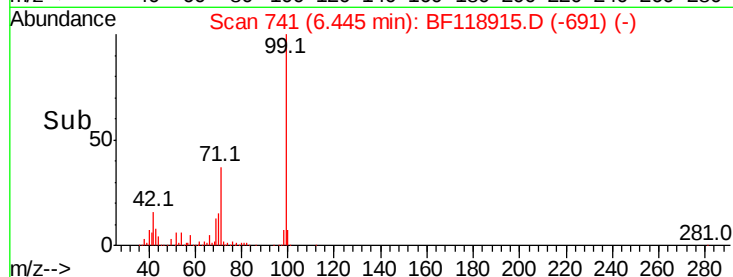
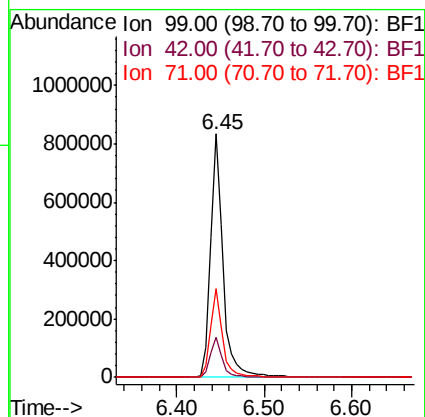
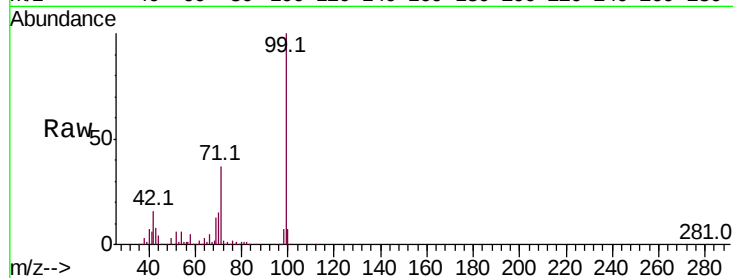
ClientSampleId :

SECTION-C

Tot Ion	99	Resp	833639
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.4	20.0
71	36.7	29.0	43.6

Manual Integrations
APPROVED

mohammad
2/13/2020 3:34:26 PM



#21

Naphthalene-d8

Concen: 20.000 ng

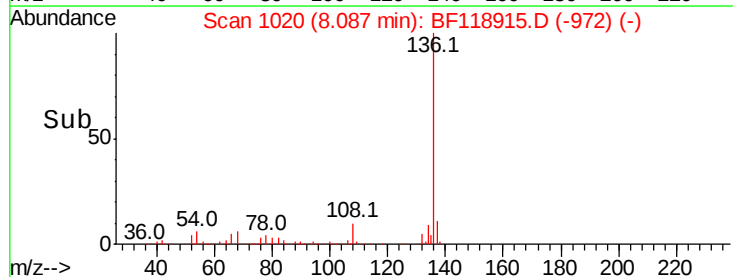
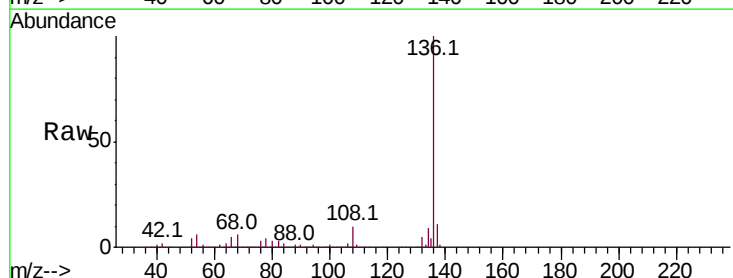
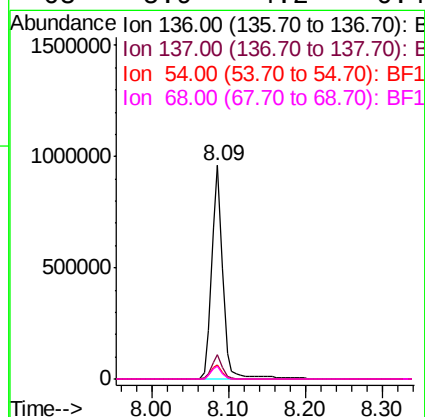
RT: 8.09 min Scan# 1020

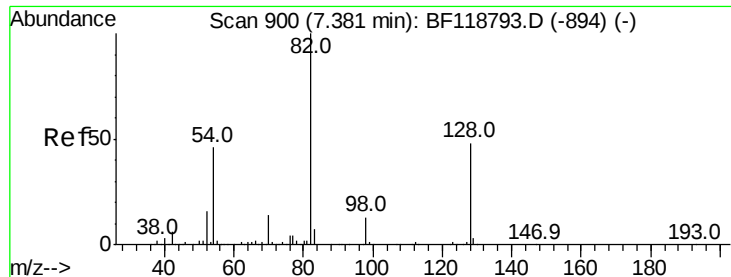
Delta R.T. -0.02 min

Lab File: BF118915.D

Acq: 12 Feb 2020 15:10

Tgt Ion	136	Resp	957552
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	6.4	5.0	7.6
68	5.9	4.2	6.4





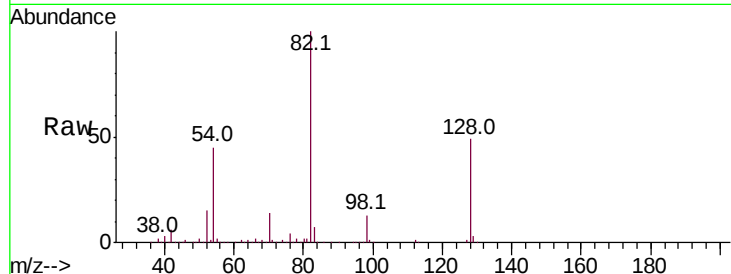
#23
Nitrobenzene-d5
Concen: 32.439 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF118915.D
Acq: 12 Feb 2020 15:10

Instrument :
BNA_F
ClientSampleId :
SECTION-C

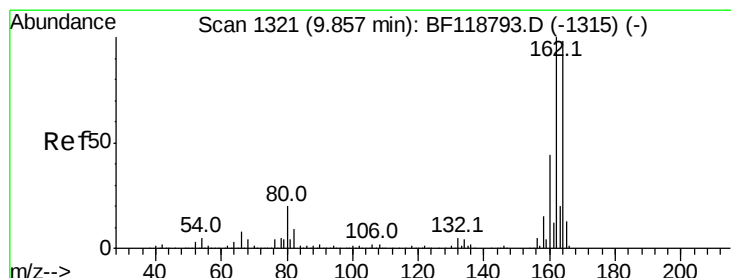
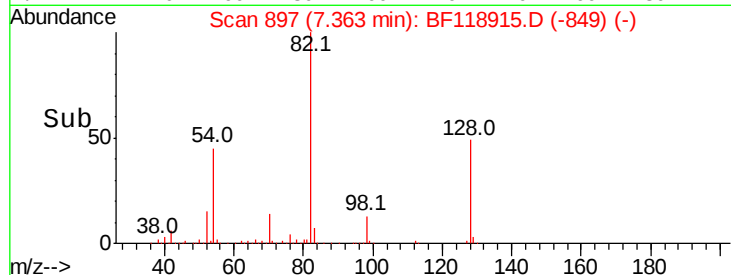
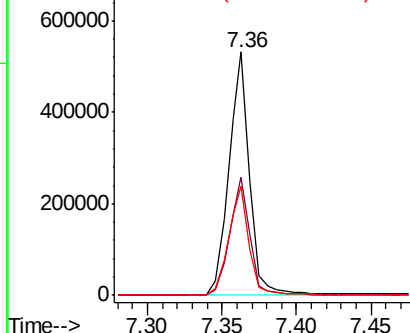
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.8	38.5	57.7
54	44.7	36.7	55.1

Manual Integrations
APPROVED

mohammad
2/13/2020 3:34:26 PM

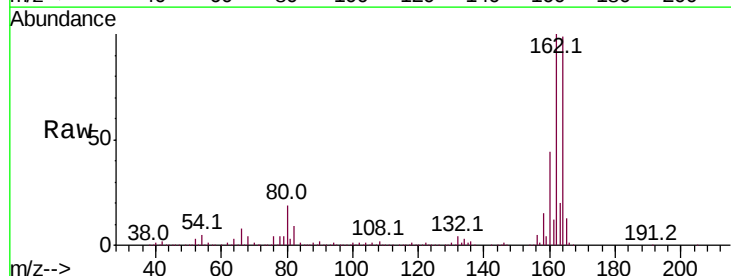


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

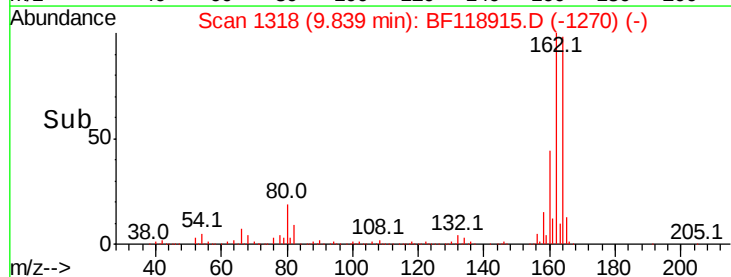
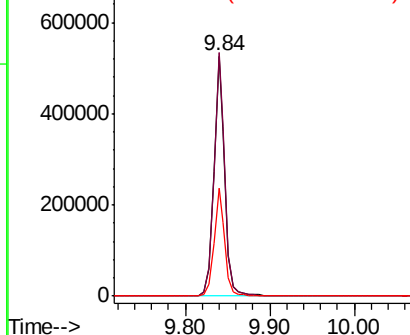


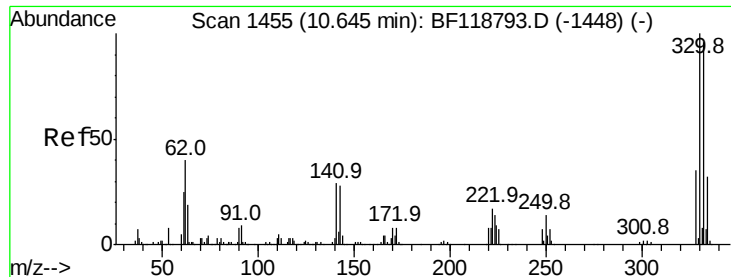
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF118915.D
Acq: 12 Feb 2020 15:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.4	122.2
160	44.9	35.6	53.4



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





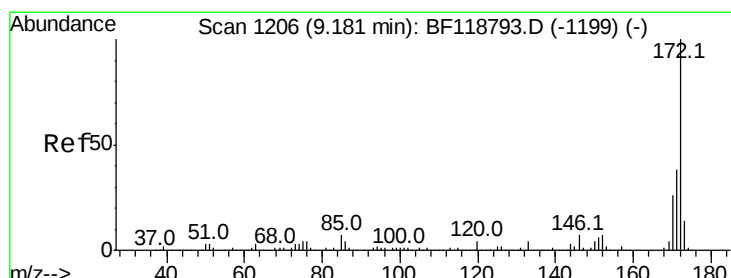
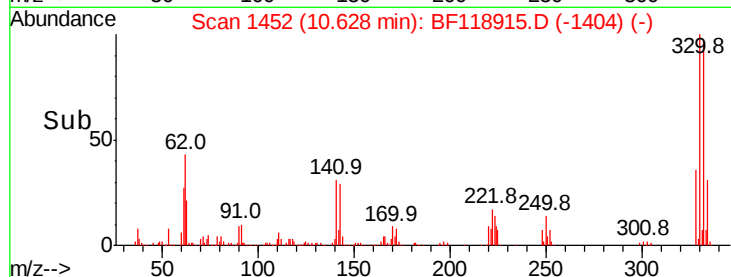
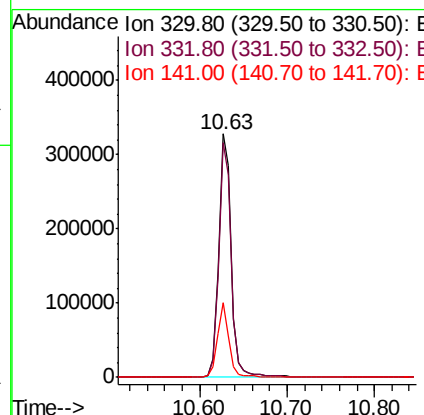
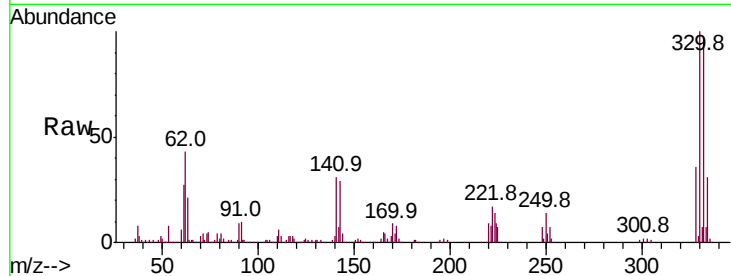
#42
 2,4,6-Tribromophenol
 Concen: 55.914 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF118915.D
 Acq: 12 Feb 2020 15:10

Instrument :
 BNA_F
 ClientSampleId :
 SECTION-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	325441		
332	96.6	77.3	115.9	
141	28.6	22.4	33.6	

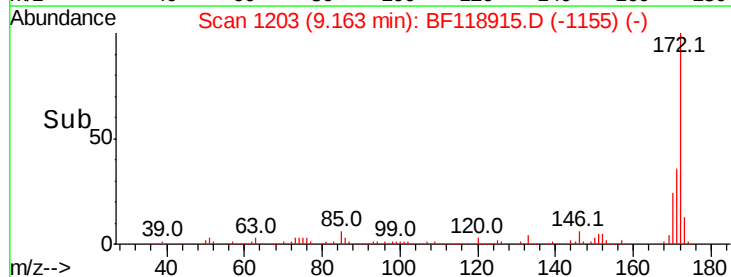
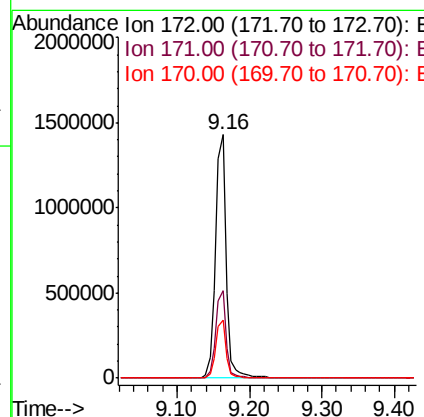
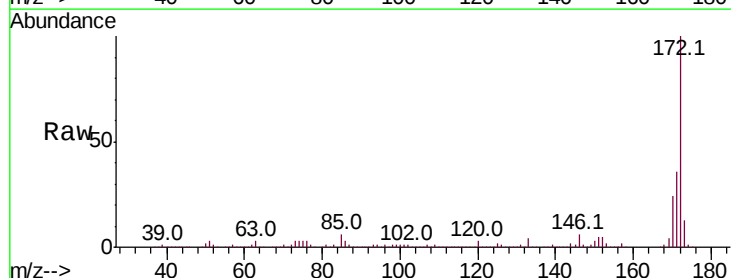
Manual Integrations
 APPROVED

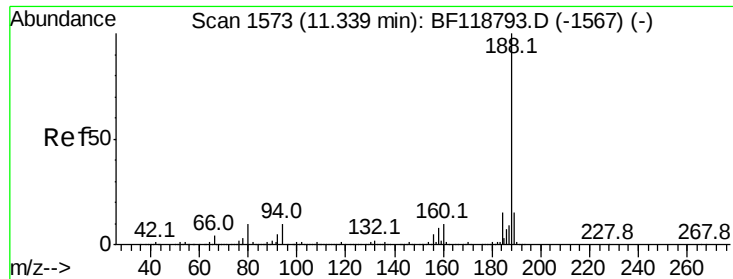
mohammad
 2/13/2020 3:34:26 PM



#45
 2-Fluorobiphenyl
 Concen: 54.014 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: BF118915.D
 Acq: 12 Feb 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1469750		
171	35.9	30.8	46.2	
170	23.8	20.5	30.7	





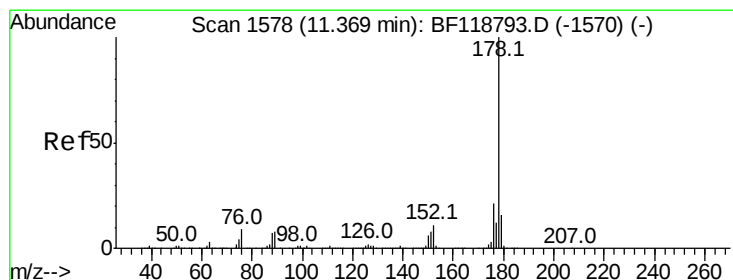
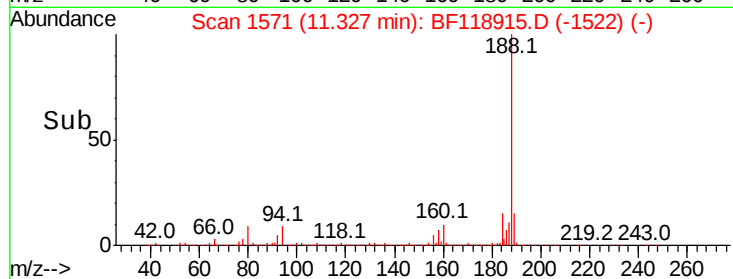
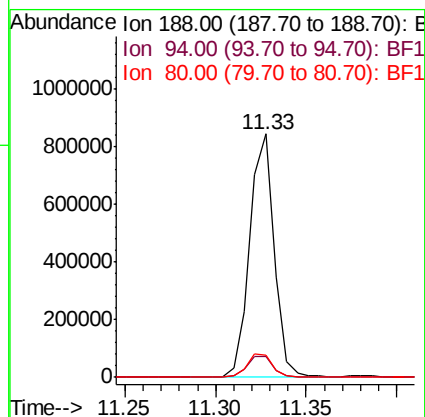
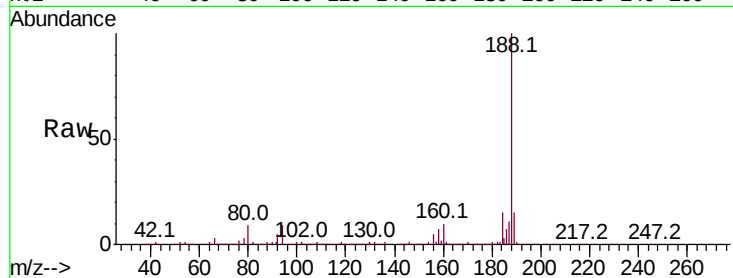
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118915.D
Acq: 12 Feb 2020 15:10

Instrument :
BNA_F
ClientSampled :
SECTION-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	7.9	11.9
80	9.3	8.4	12.6

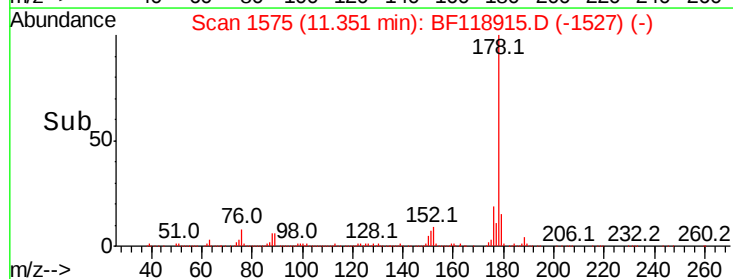
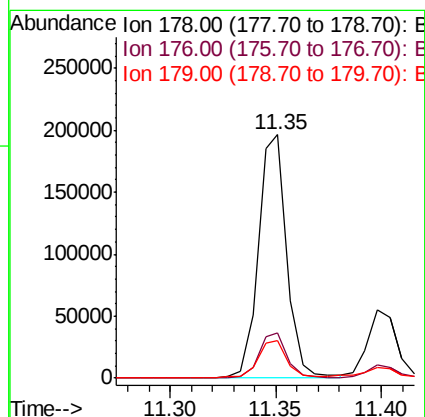
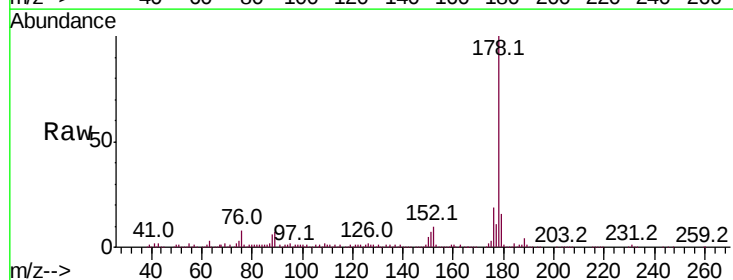
Manual Integrations
APPROVED

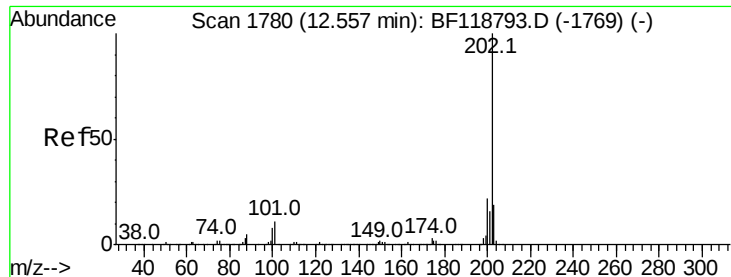
mohammad
2/13/2020 3:34:26 PM



#71
Phenanthrene
Concen: 4.674 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF118915.D
Acq: 12 Feb 2020 15:10

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	16.6	24.8
179	15.6	13.2	19.8





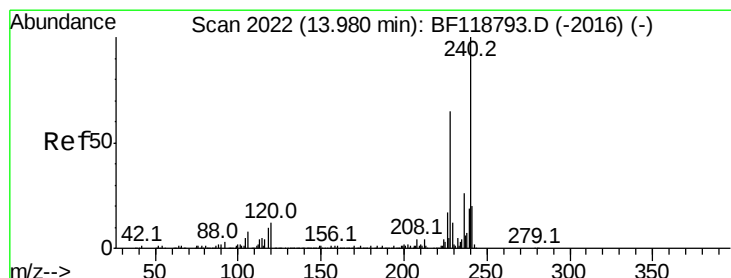
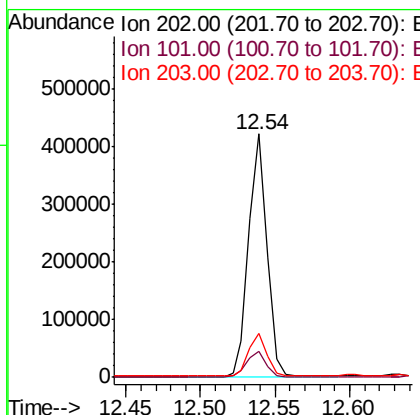
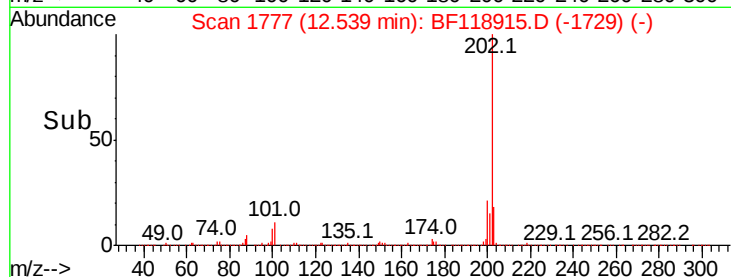
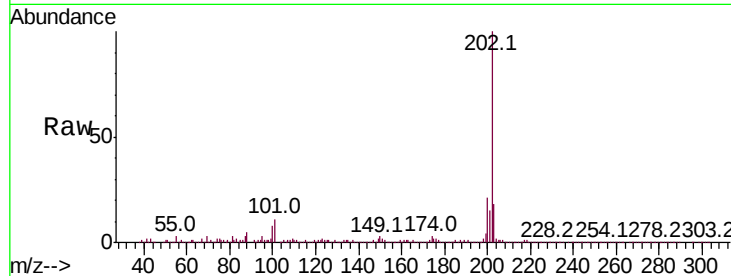
#75
 Fluoranthene
 Concen: 8.421 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.02 min
 Lab File: BF118915.D
 Acq: 12 Feb 2020 15:10

Instrument :
 BNA_F
 ClientSampleId :
 SECTION-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	31.0
203	17.9	0.0	38.7

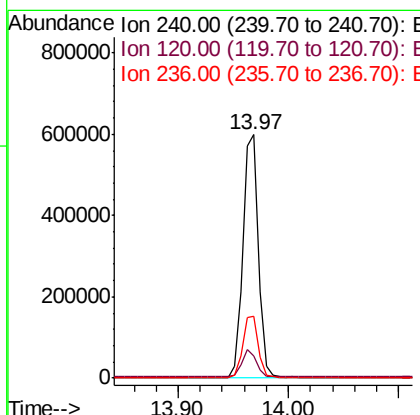
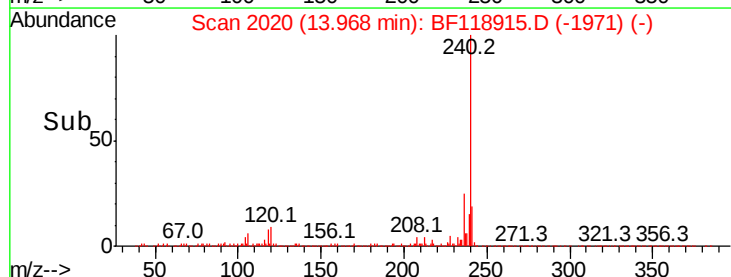
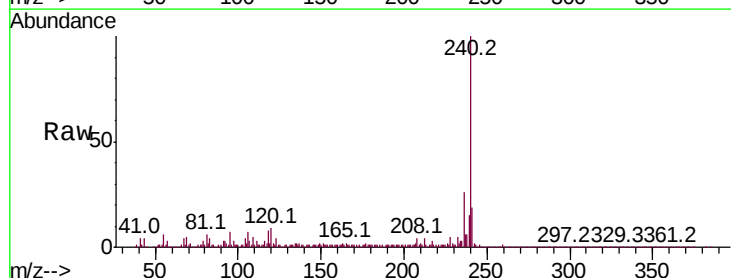
Manual Integrations
 APPROVED

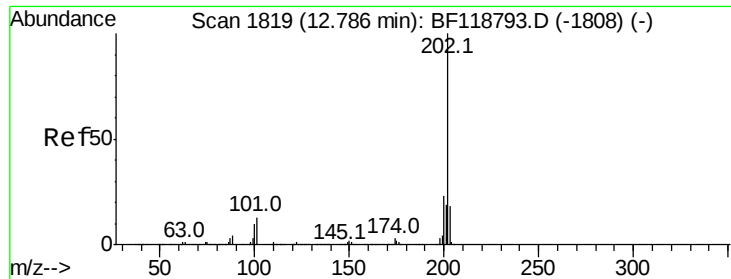
mohammad
 2/13/2020 3:34:26 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF118915.D
 Acq: 12 Feb 2020 15:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	9.4	14.0#
236	25.6	21.0	31.6





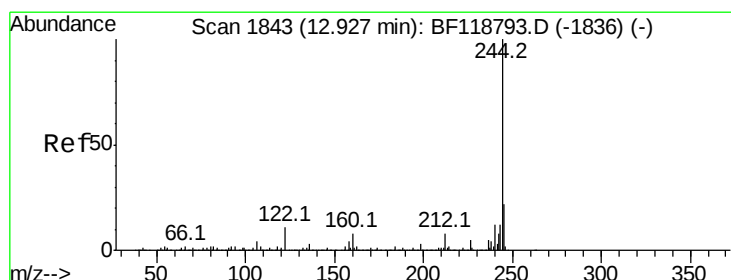
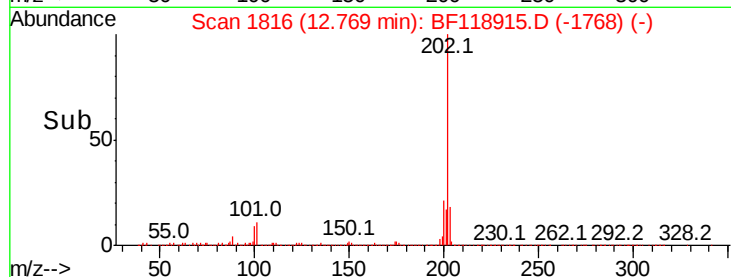
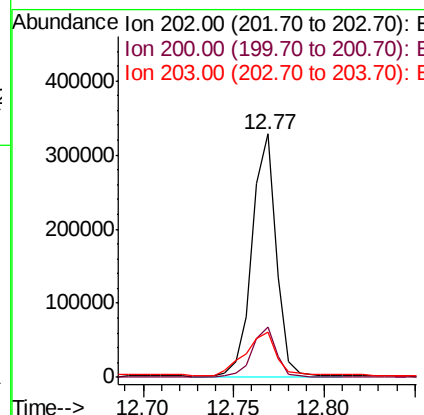
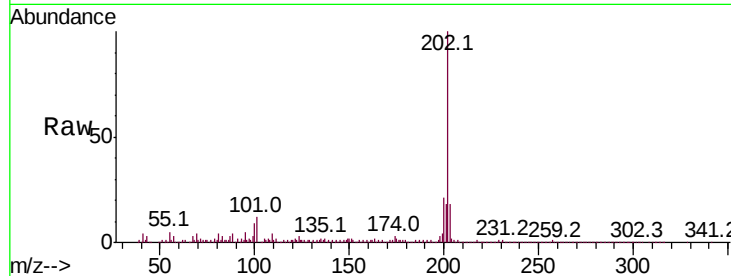
#78
Pvrene
Concen: 7.462 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118915.D
Acq: 12 Feb 2020 15:10

Instrument :
BNA_F
ClientSampleId :
SECTION-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	301720		
200	20.8		18.2	27.2
203	18.3		14.8	22.2

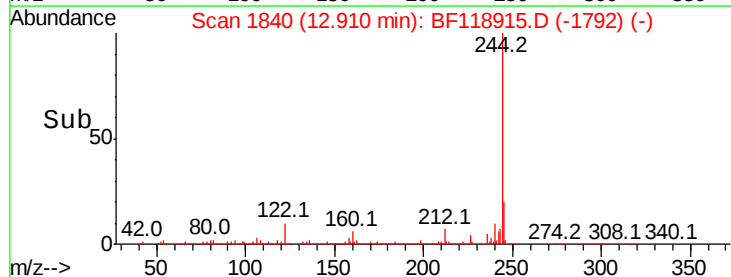
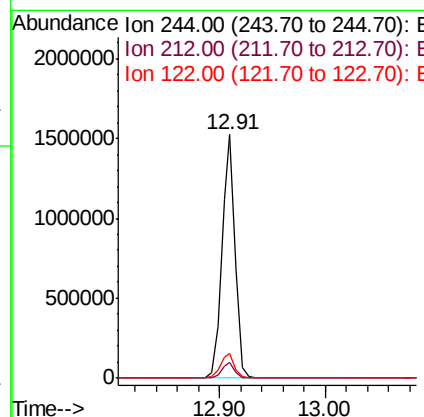
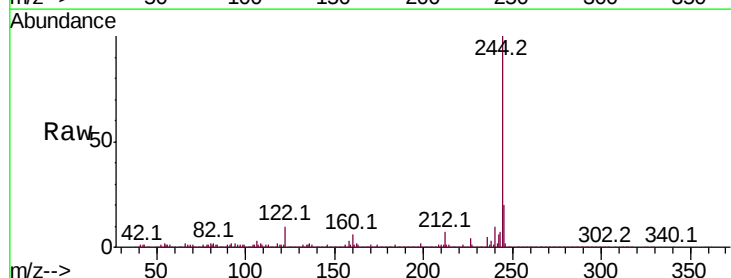
Manual Integrations
APPROVED

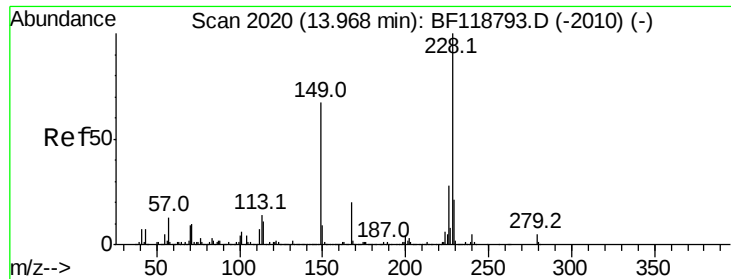
mohammad
2/13/2020 3:34:26 PM



#79
Terphenyl-d14
Concen: 46.578 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF118915.D
Acq: 12 Feb 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1336469		
212	6.7		6.5	9.7
122	10.0		8.9	13.3





#81

Benzo(a)anthracene

Concen: 4.816 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118915.D

Acq: 12 Feb 2020 15:10

Instrument :

BNA_F

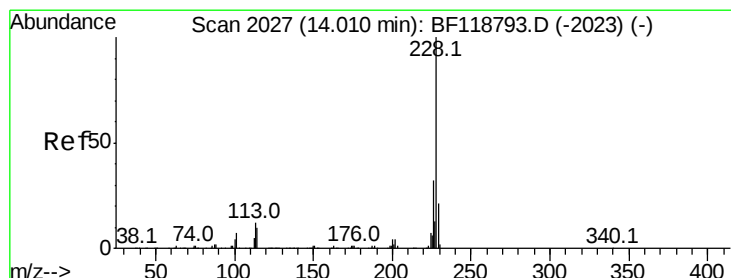
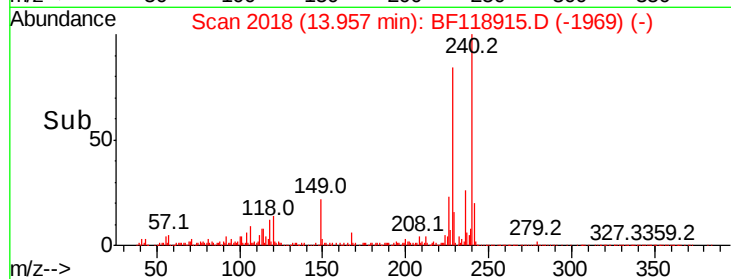
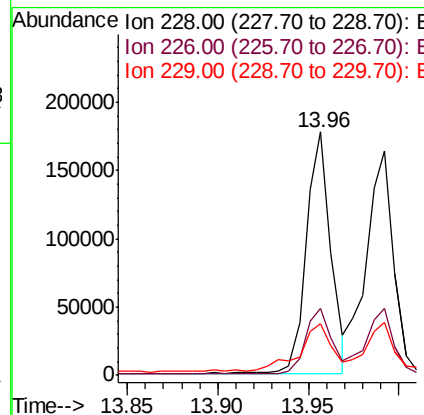
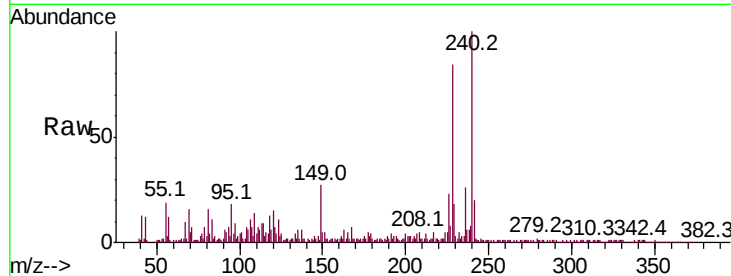
ClientSampleId :

SECTION-C

Tot Ion:228	Resp:	168901
Ion Ratio	Lower	Upper
228	100	
226	27.4	22.7 34.1
229	21.3	16.6 25.0

Manual Integrations
APPROVED

mohammad
2/13/2020 3:34:26 PM



#83

Chrysene

Concen: 4.925 ng

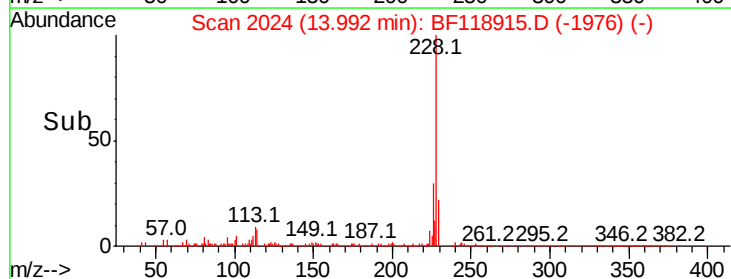
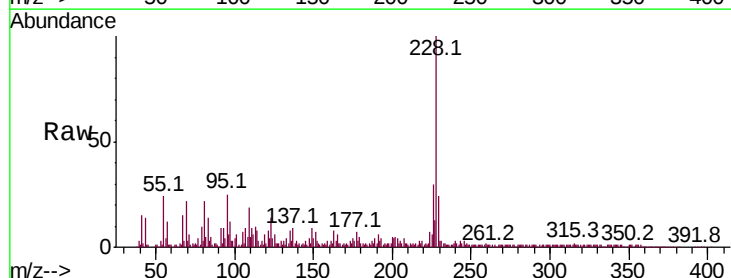
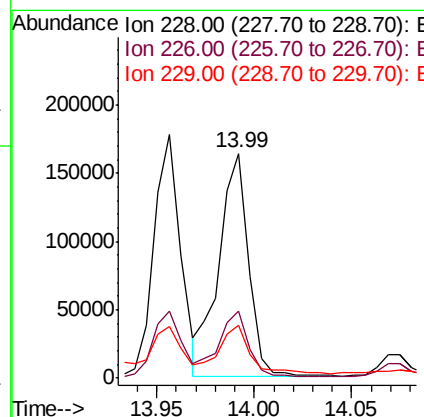
RT: 13.99 min Scan# 2024

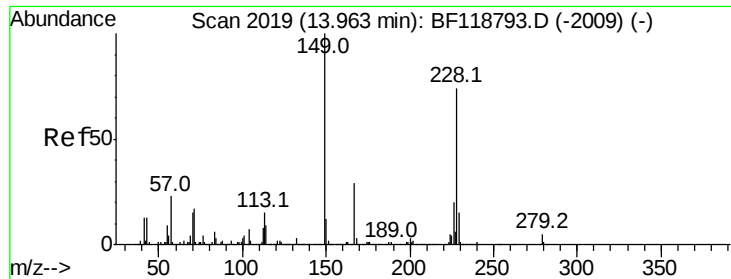
Delta R.T. -0.02 min

Lab File: BF118915.D

Acq: 12 Feb 2020 15:10

Tgt Ion:228	Resp:	173360
Ion Ratio	Lower	Upper
228	100	
226	30.0	25.4 38.0
229	23.6	16.9 25.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.153 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF118915.D

Acq: 12 Feb 2020 15:10

Instrument :

BNA_F

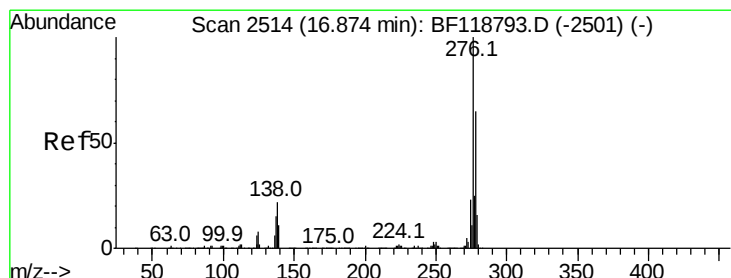
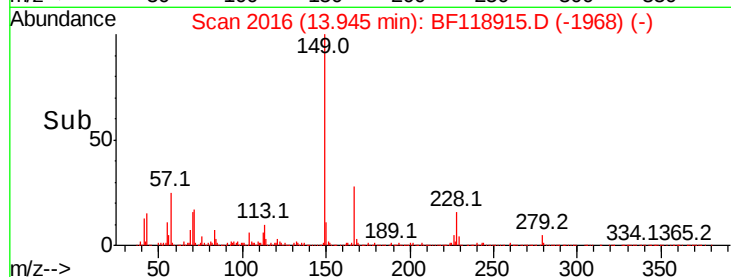
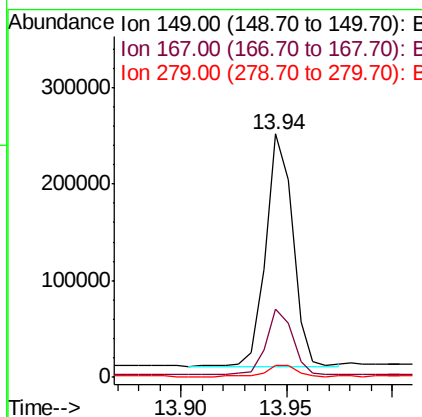
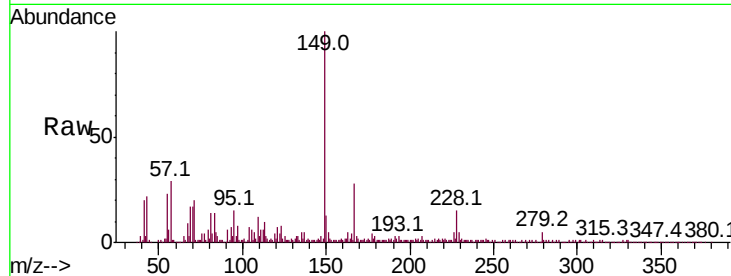
ClientSampleId :

SECTION-C

Tot Ion:	149	Resp:	214300
Ion Ratio	Lower	Upper	
149	100		
167	27.9	23.0	34.6
279	4.9	4.4	6.6

Manual Integrations
APPROVED

mohammad
2/13/2020 3:34:26 PM



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.121 ng

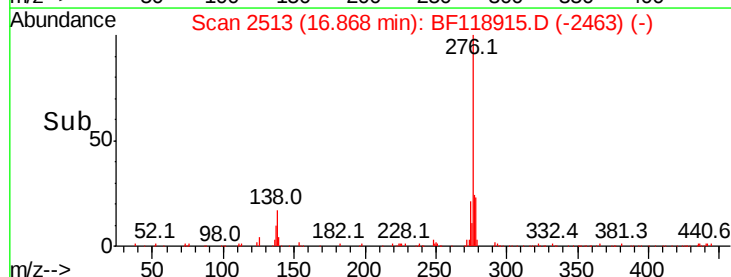
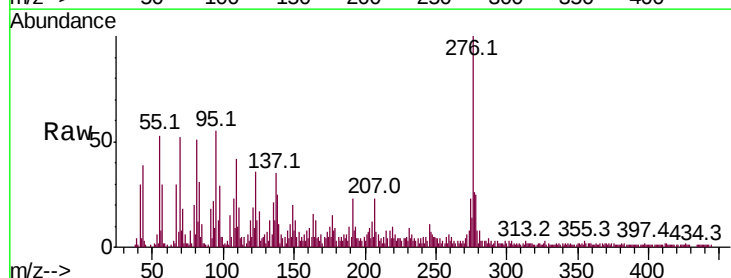
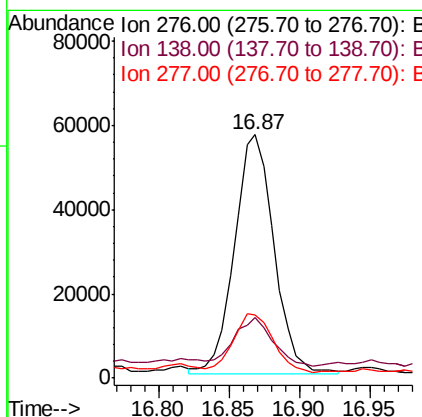
RT: 16.87 min Scan# 2513

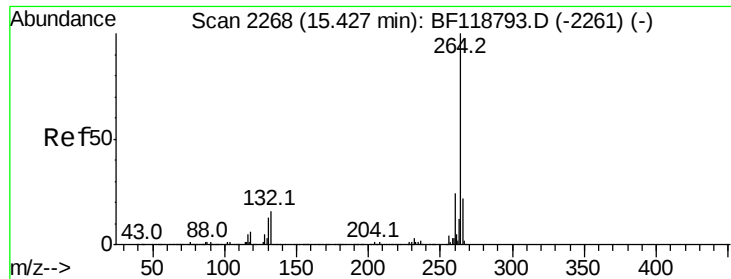
Delta R.T. -0.01 min

Lab File: BF118915.D

Acq: 12 Feb 2020 15:10

Tgt Ion:	276	Resp:	110388
Ion Ratio	Lower	Upper	
276	100		
138	19.4	18.3	27.5
277	24.4	20.2	30.4





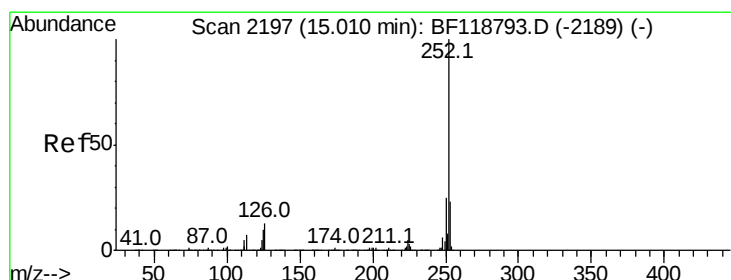
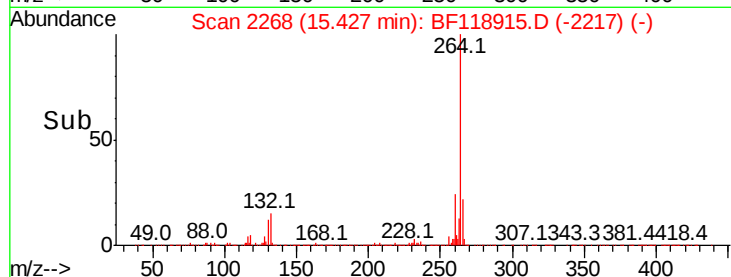
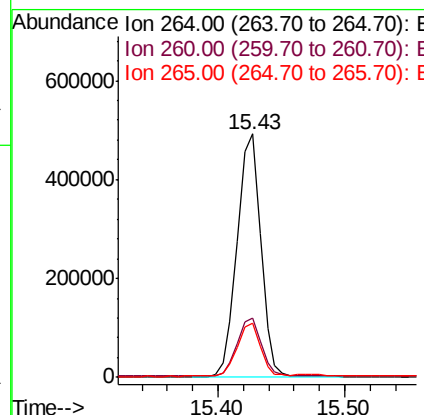
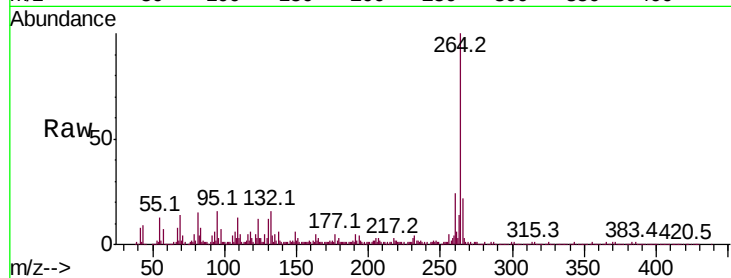
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF118915.D
Acq: 12 Feb 2020 15:10

Instrument :
BNA_F
ClientSampleId :
SECTION-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.1	28.7
265	22.0	17.2	25.8

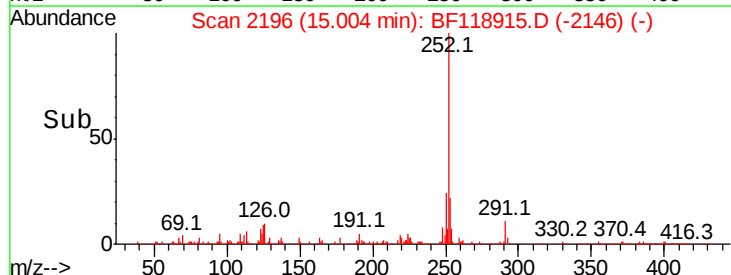
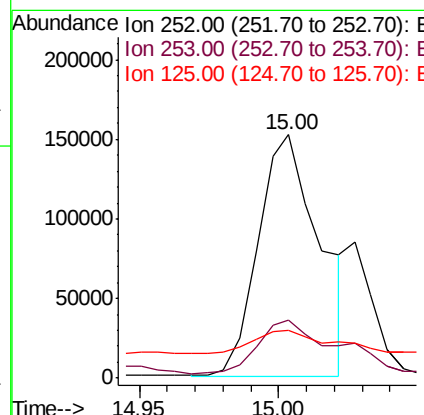
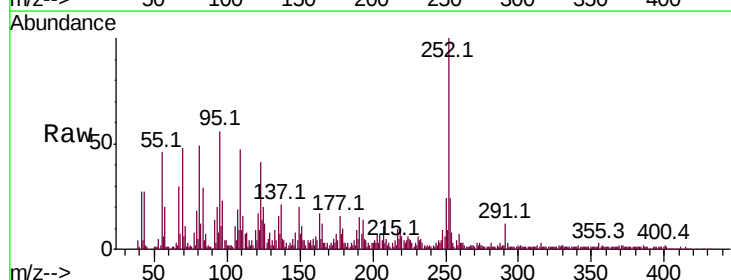
Manual Integrations
APPROVED

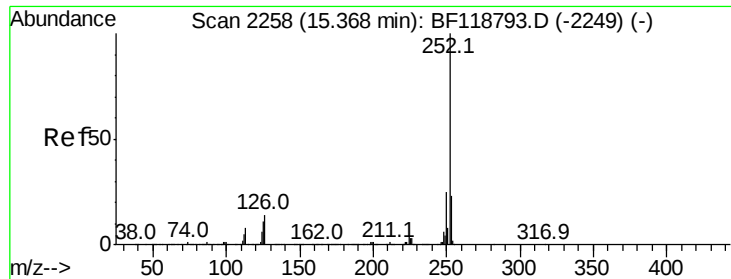
mohammad
2/13/2020 3:34:26 PM



#88
Benzo(b)fluoranthene
Concen: 5.912 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF118915.D
Acq: 12 Feb 2020 15:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.4	27.6
125	19.7	8.1	12.1#





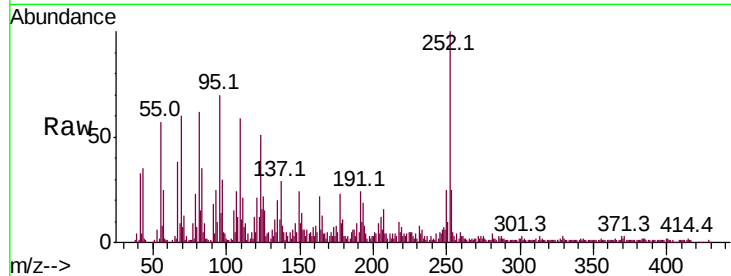
#90
Benzo(a)pyrene
Concen: 4.375 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118915.D
Acq: 12 Feb 2020 15:10

Instrument :
BNA_F
ClientSampleId :
SECTION-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	21.8	8.7	13.1

Manual Integrations
APPROVED

mohammad
2/13/2020 3:34:26 PM

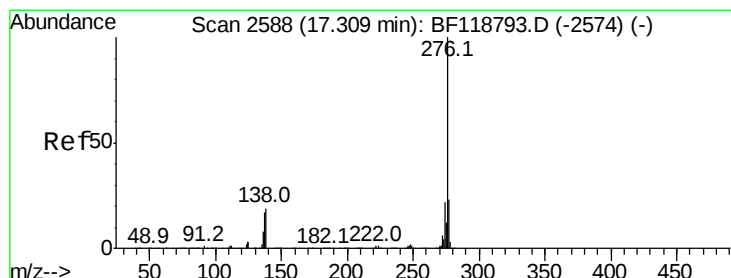
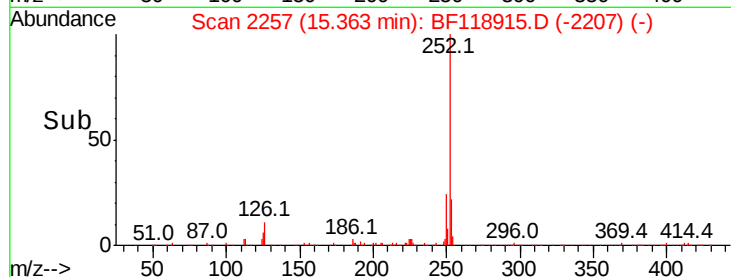
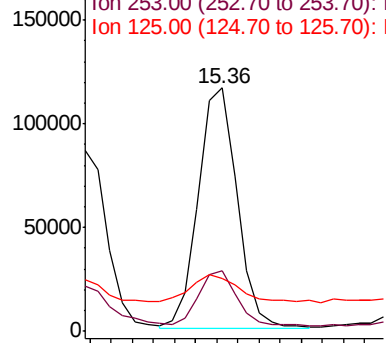


Abundance

Ion 252.00 (251.70 to 252.70): E

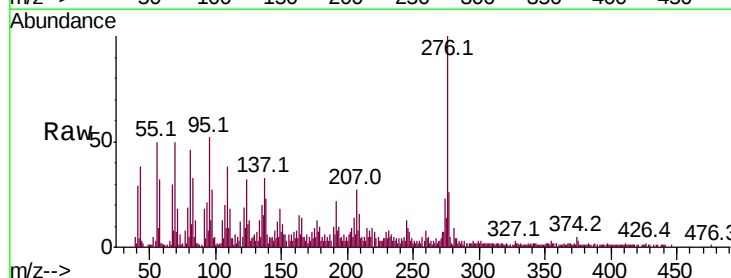
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.539 ng
RT: 17.30 min Scan# 2587
Delta R.T. -0.01 min
Lab File: BF118915.D
Acq: 12 Feb 2020 15:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.7	28.1
138	23.3	15.4	23.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

