

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112159.D
 Acq On : 21 Jan 2019 15:28
 Operator : JU/SJ
 Sample : K1009-07 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-D

Manual Integrations
 APPROVED

Sohil
 1/22/2019 9:59:02 AM

Quant Time: Jan 21 16:54:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	267131	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	933249	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	369514	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	622595	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	583754	20.00	ng	0.00
87) Perylene-d12	15.49	264	440162	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	811904	55.17	ng	0.00
7) Phenol-d6	6.49	99	975981	53.00	ng	-0.01
23) Nitrobenzene-d5	7.41	82	570776	42.25	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	206825	51.88	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1004635	39.86	ng	0.00
79) Terphenyl-d14	12.96	244	892537	32.53	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.60	163	65600	2.434	ng	98
71) Phenanthrene	11.40	178	298182	9.517	ng	97
72) Anthracene	11.45	178	88068	2.775	ng	99
75) Fluoranthene	12.59	202	496073	14.995	ng	98
78) Pyrene	12.82	202	534572	13.880	ng	98
81) Benzo(a)anthracene	14.01	228	261586	7.815	ng	97
83) Chrysene	14.05	228	254354	8.031	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	83579	2.860	ng	# 93
88) Benzo(b)fluoranthene	15.06	252	236785m	9.477	ng	
89) Benzo(k)fluoranthene	15.09	252	79675m	3.295	ng	
90) Benzo(a)pyrene	15.43	252	165783	7.235	ng	# 90
92) Benzo(a,h,i)perylene	17.42	276	82282	4.104	ng	96

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

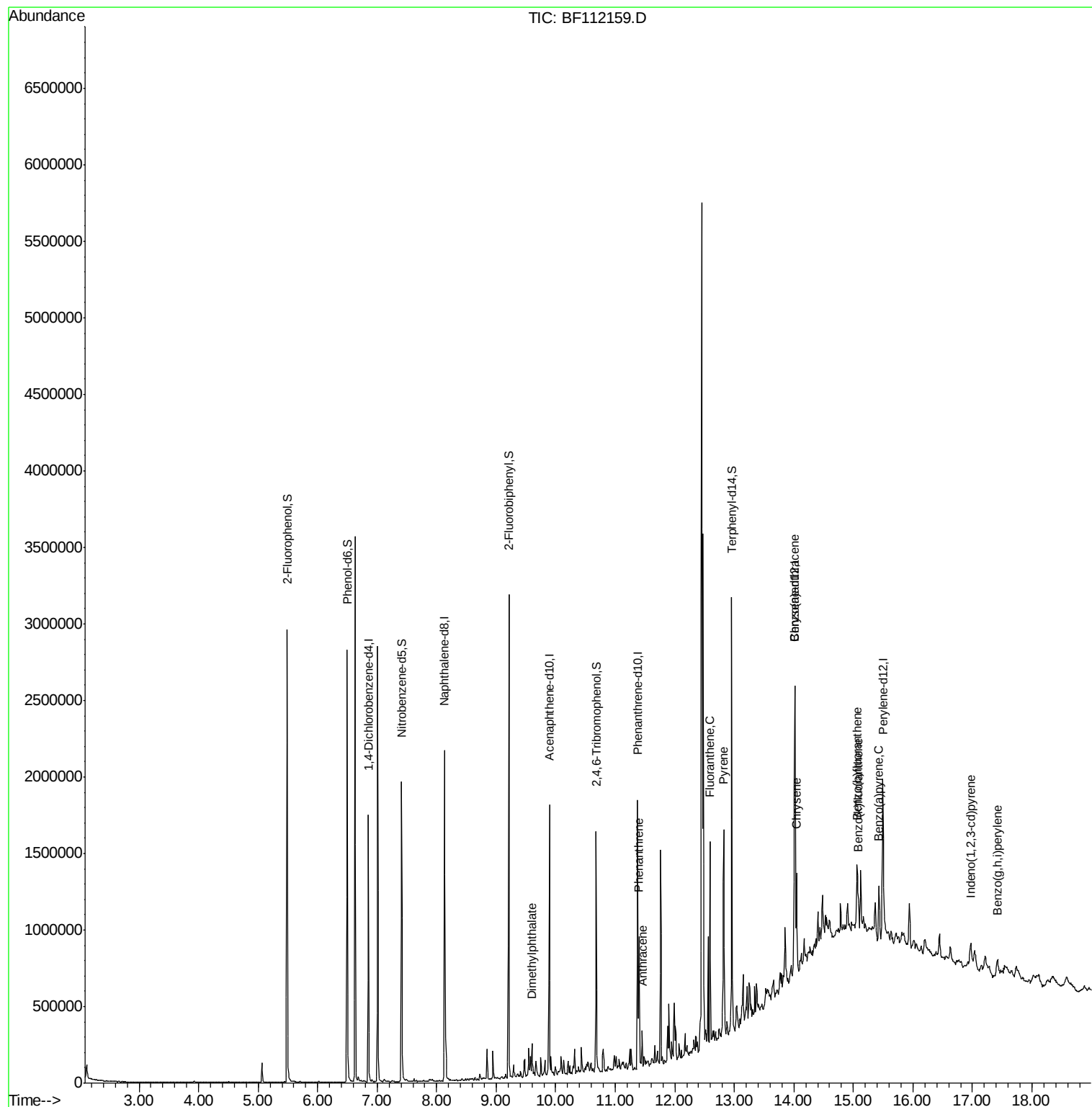
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112159.D
Acq On : 21 Jan 2019 15:28
Operator : JU/SJ
Sample : K1009-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

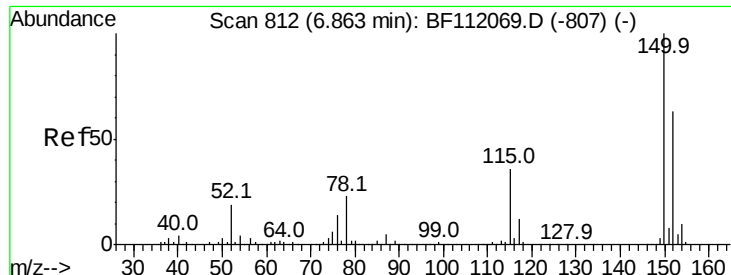
Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Manual Integrations
APPROVED

Sohil
1/22/2019 9:59:02 AM

Quant Time: Jan 21 16:54:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 19 01:02:12 2019
Response via : Initial Calibration





#1

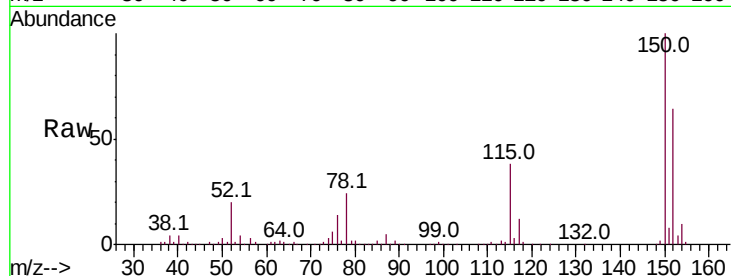
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	127.4	191.0
115	59.8	45.5	68.3

Manual Integrations
APPROVED

Sohil
1/22/2019 9:59:02 AM

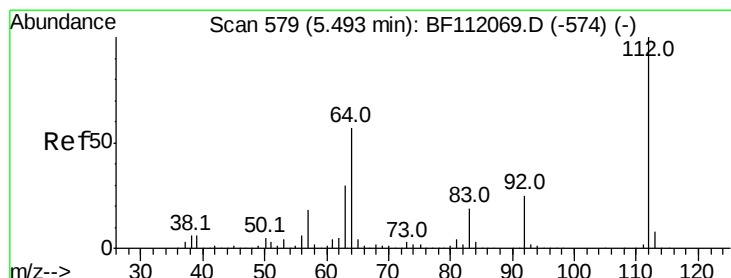
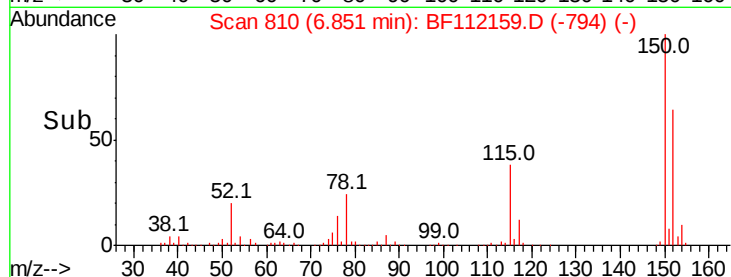
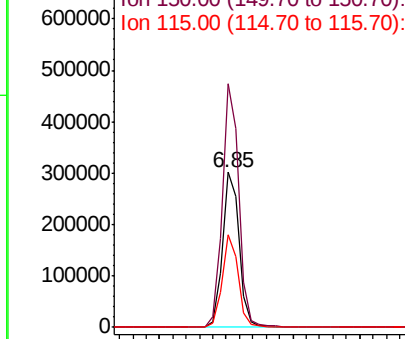


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

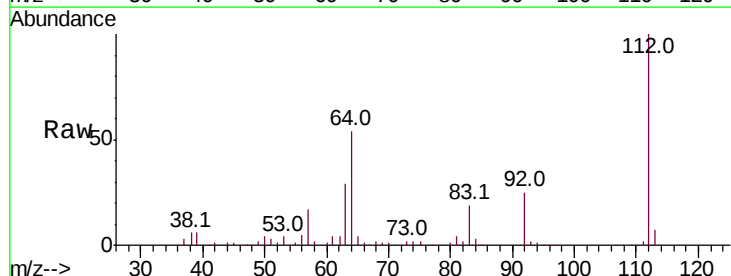
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 55.165 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	45.7	68.5
63	28.8	23.6	35.4

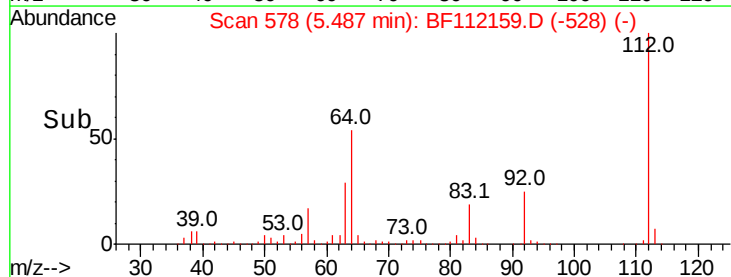
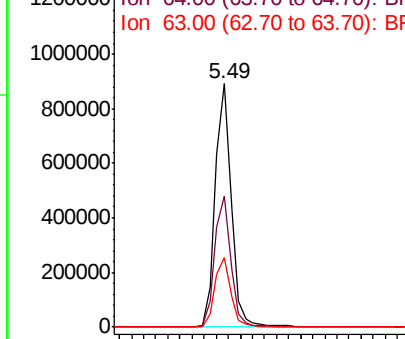


Abundance

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: 53.002 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Instrument :

BNA_F

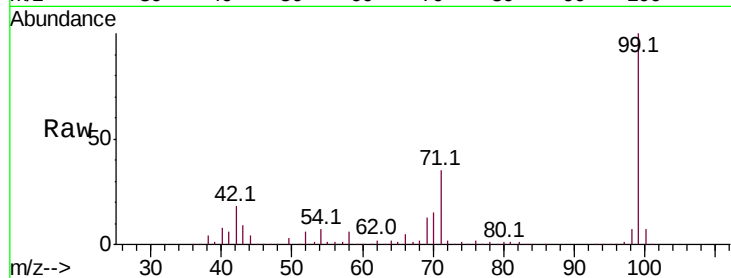
ClientSampled :

CL-01-011819-D

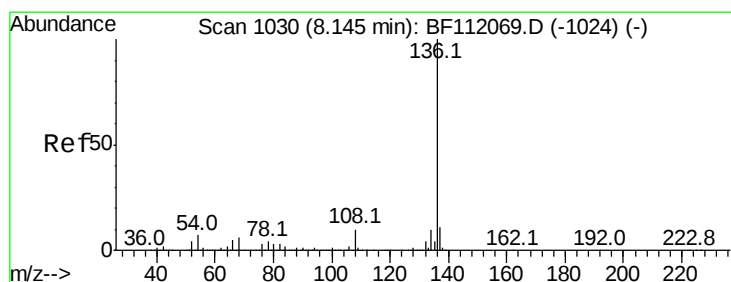
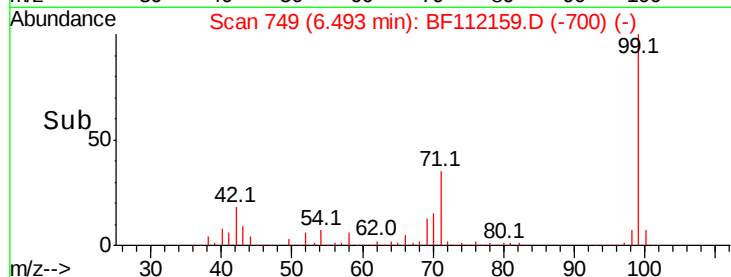
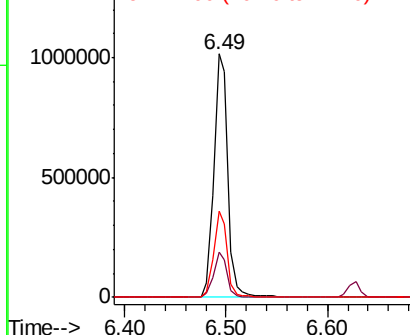
Tot Ion:	99	Resp:	975981
Ion Ratio	Lower	Upper	
99	100		
42	18.4	15.1	22.7
71	35.2	26.9	40.3

Manual Integrations
APPROVED

Sohil
1/22/2019 9:59:02 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

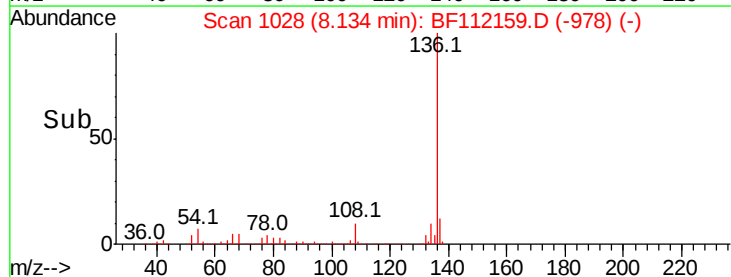
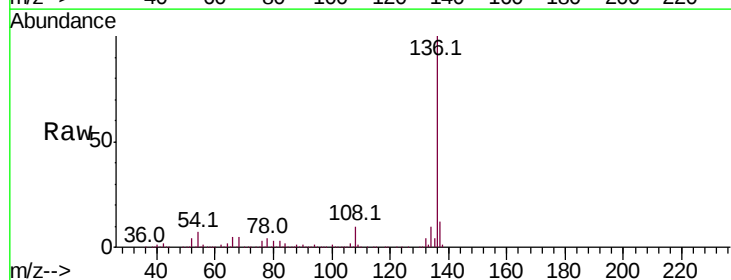
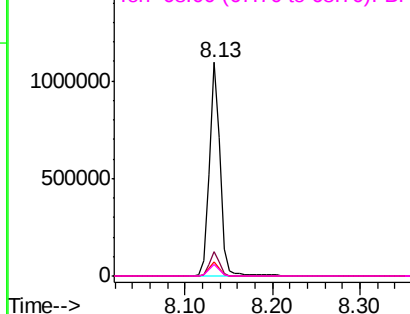
Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Tgt Ion:	136	Resp:	933249
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.1	13.7
54	6.6	5.9	8.9
68	5.4	5.1	7.7

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





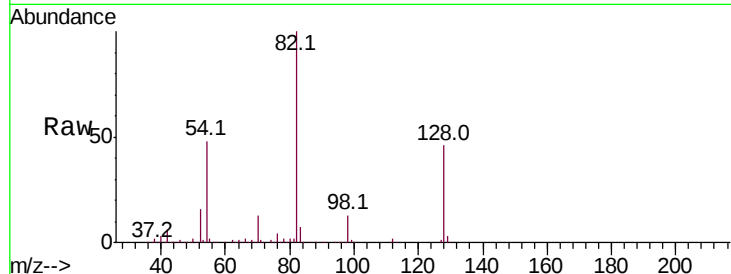
#23
 Nitrobenzene-d5
 Concen: 42.255 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF112159.D
 Acq: 21 Jan 2019 15:28

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.8	56.8
54	47.9	39.7	59.5

Manual Integrations
 APPROVED

Sohil
 1/22/2019 9:59:02 AM

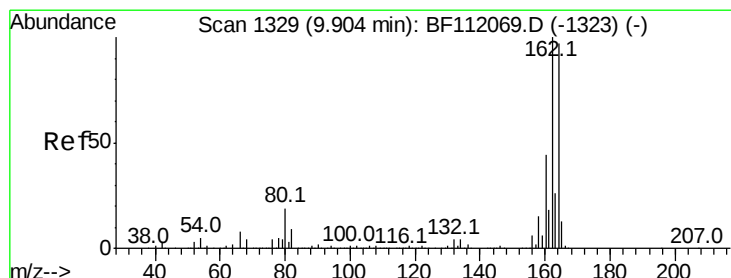
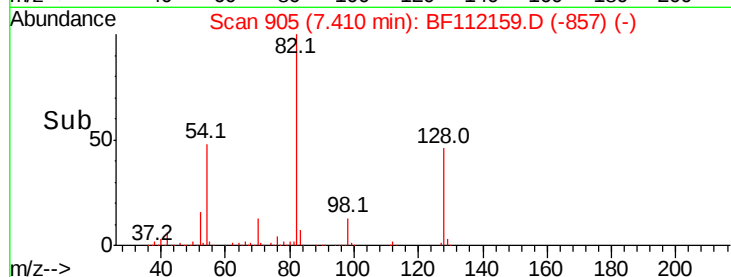
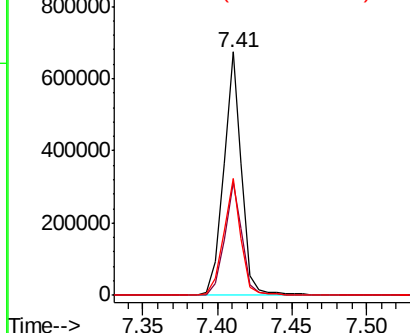


Abundance

Ion 82.00 (81.70 to 82.70): BF1

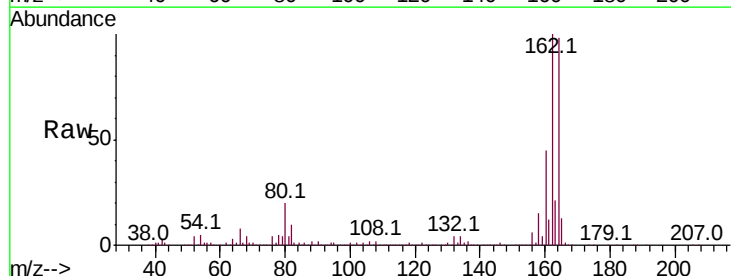
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF112159.D
 Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.2	123.4
160	45.8	36.2	54.4

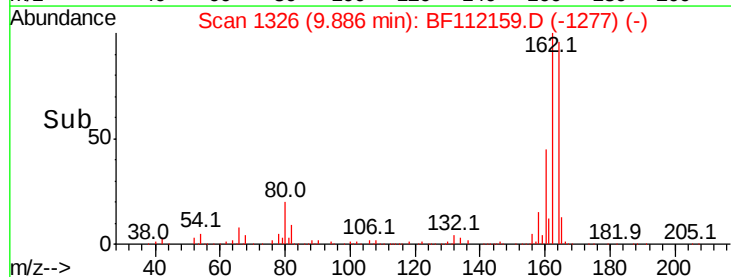
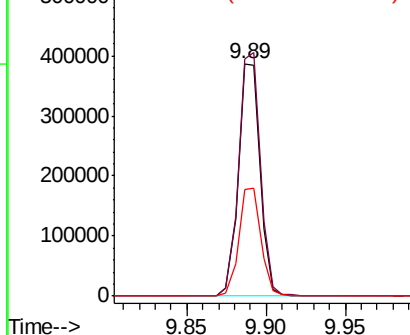


Abundance

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





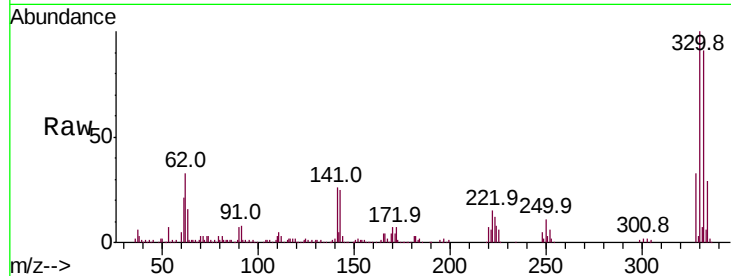
#42
 2,4,6-Tribromophenol
 Concen: 51.885 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112159.D
 Acq: 21 Jan 2019 15:28

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-D

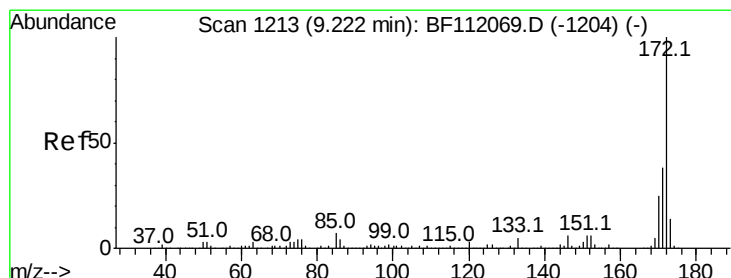
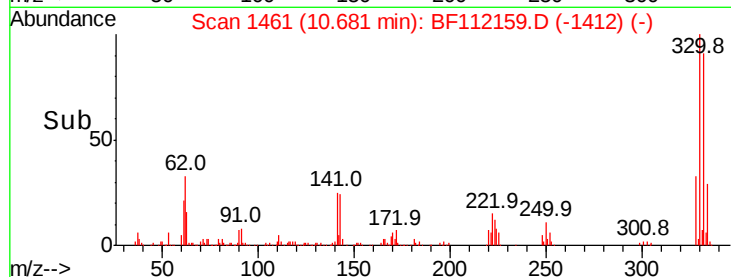
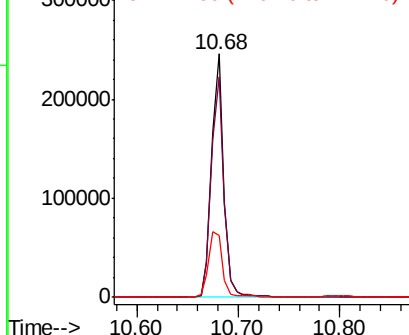
Tot Ion	Ratio	Resp	Lower	Upper
330	100	206825		
332	93.4	76.6	114.8	
141	30.7	24.3	36.5	

Manual Integrations
 APPROVED

Sohil
 1/22/2019 9:59:02 AM

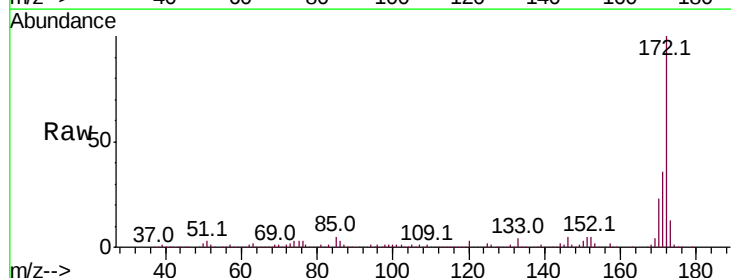


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

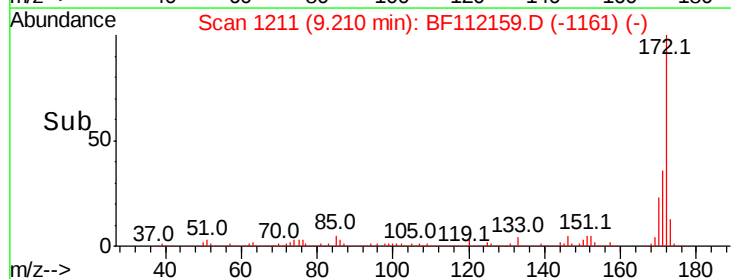
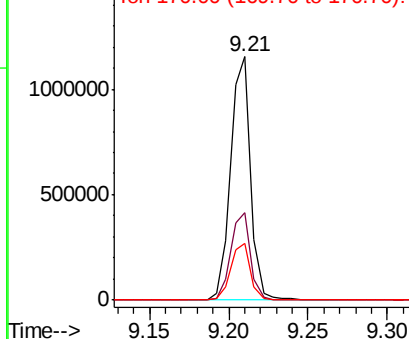


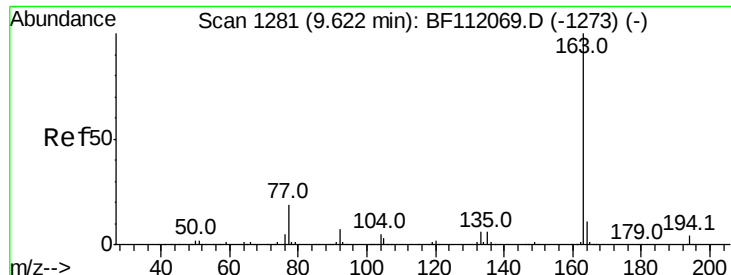
#45
 2-Fluorobiphenyl
 Concen: 39.861 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112159.D
 Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1004635		
171	35.7	30.5	45.7	
170	23.5	20.2	30.4	



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





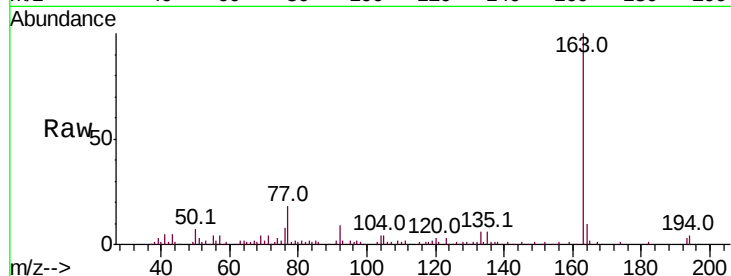
#50
Dimethylphthalate
Concen: 2.434 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

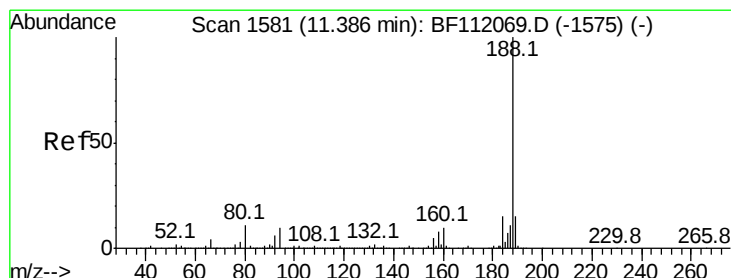
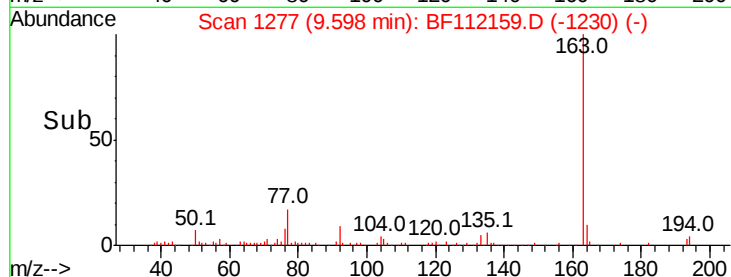
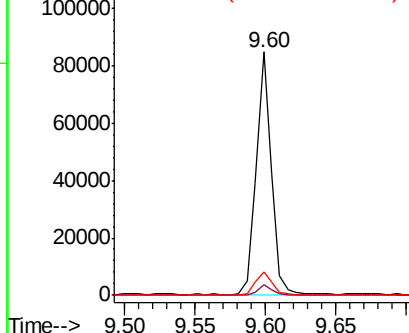
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	9.8	8.5	12.7

Manual Integrations
APPROVED

Sohil
1/22/2019 9:59:02 AM

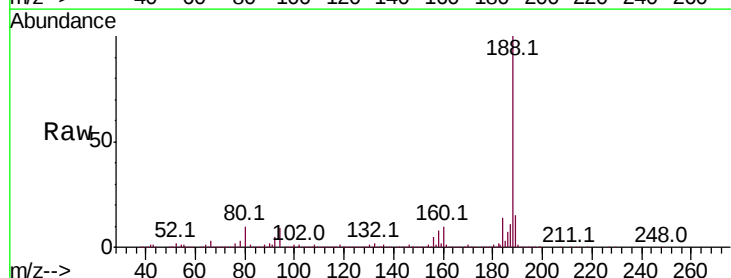


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

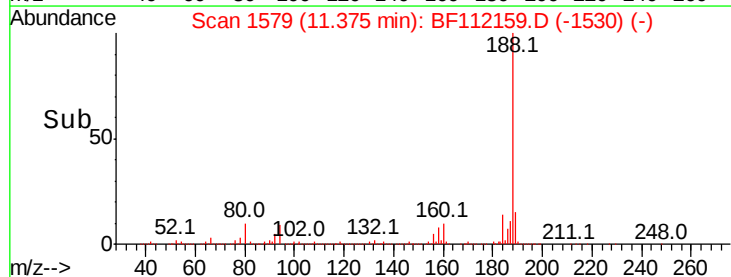
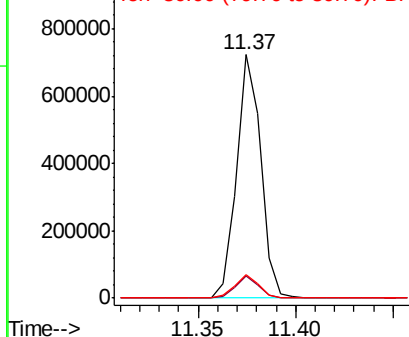


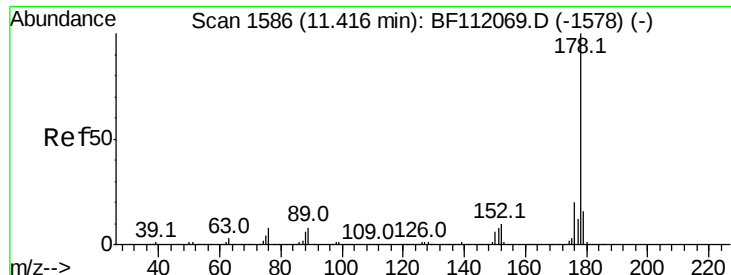
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.2	12.2
80	9.7	8.9	13.3



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





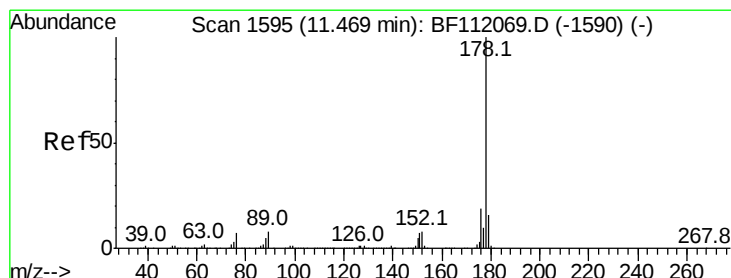
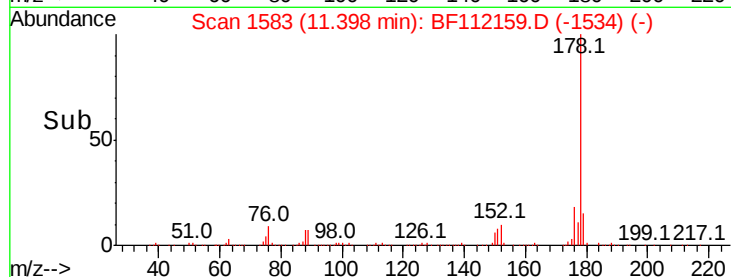
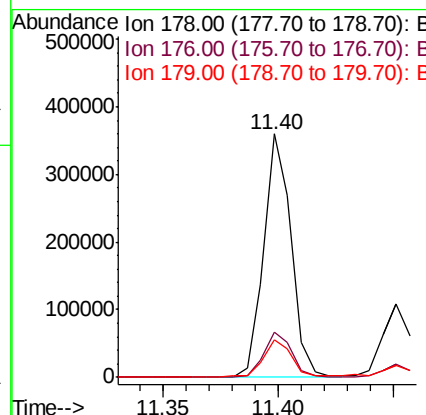
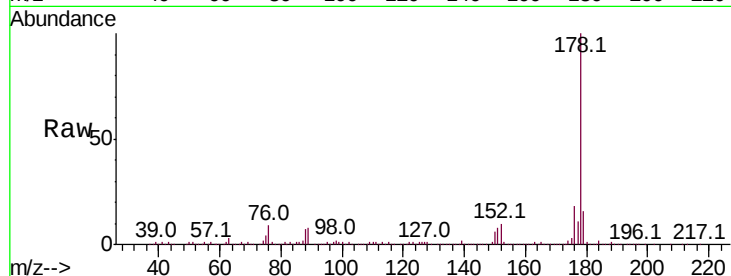
#71
Phenanthrene
Concen: 9.517 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.3	24.5
179	15.6	13.0	19.4

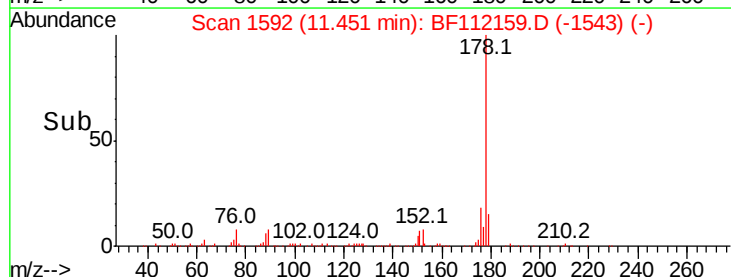
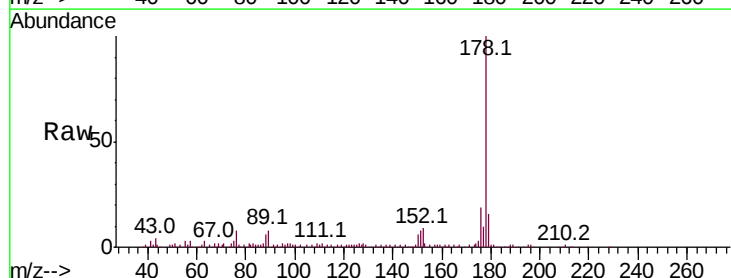
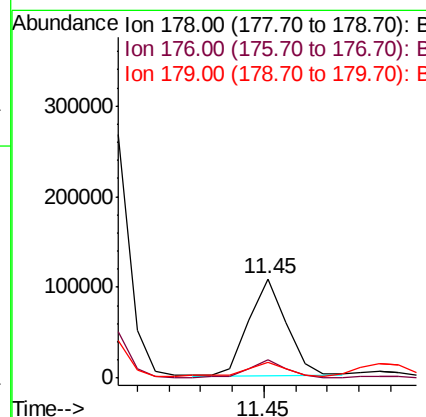
Manual Integrations
APPROVED

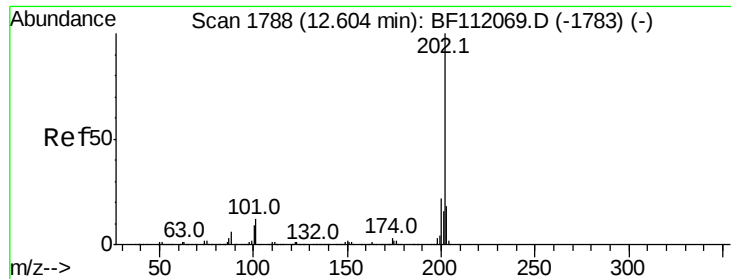
Sohil
1/22/2019 9:59:02 AM



#72
Anthracene
Concen: 2.775 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	16.1	12.8	19.2





#75

Fluoranthene

Concen: 14.995 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Instrument :

BNA_F

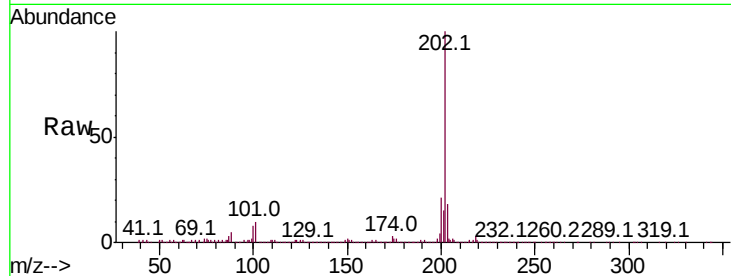
ClientSampleId :

CL-01-011819-D

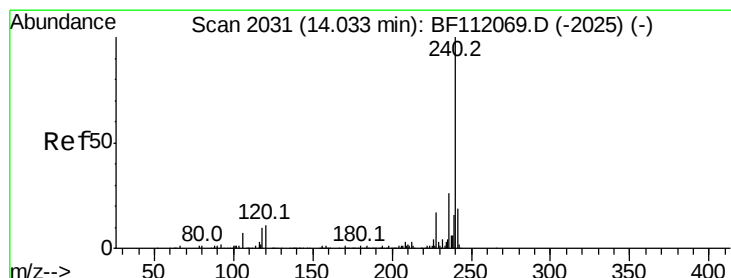
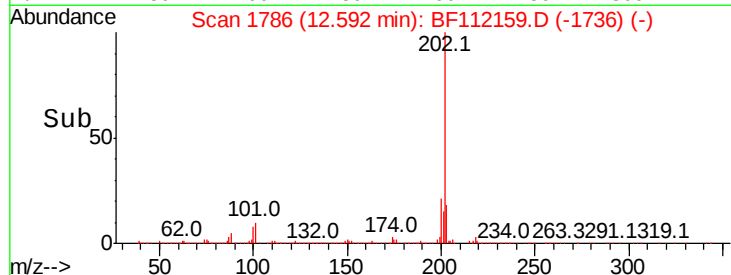
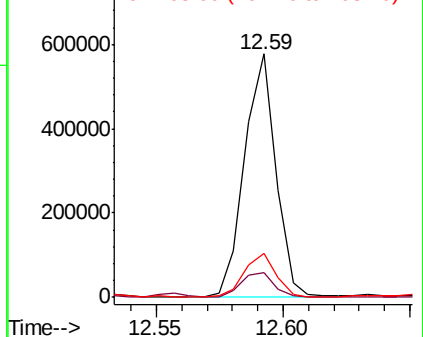
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.4	0.0	31.8
203	18.0	0.0	38.4

Manual Integrations
APPROVED

Sohil
1/22/2019 9:59:02 AM



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

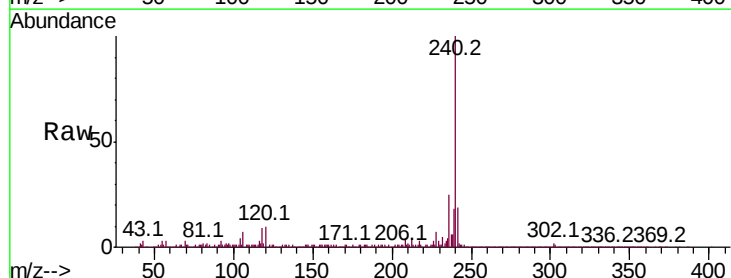
RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

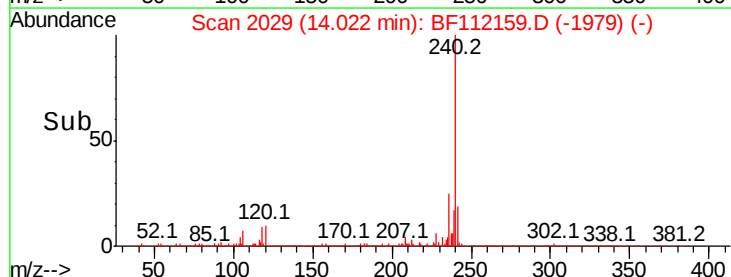
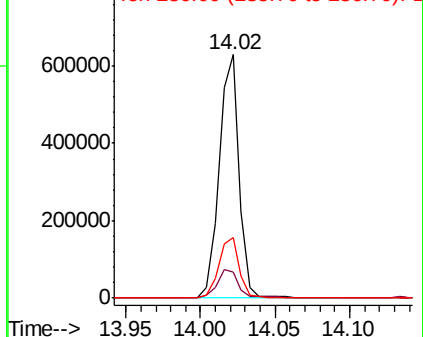
Lab File: BF112159.D

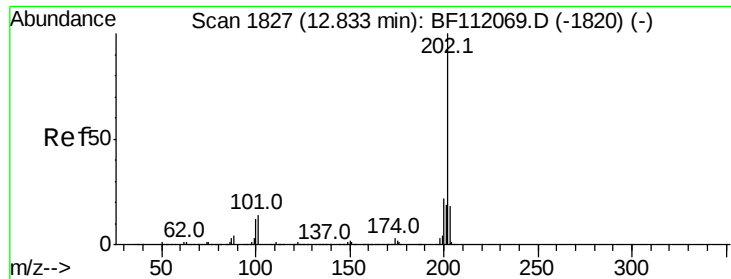
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	9.0	13.6
236	25.1	20.7	31.1



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





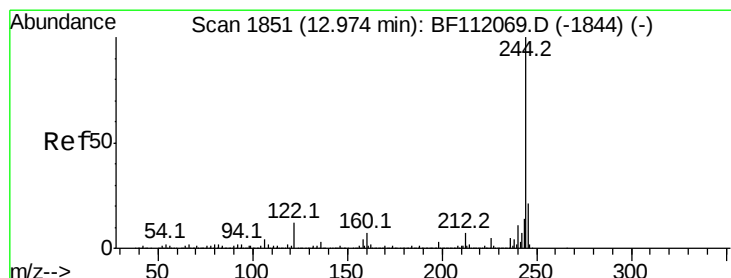
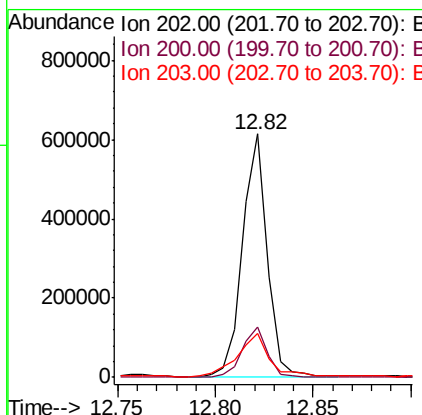
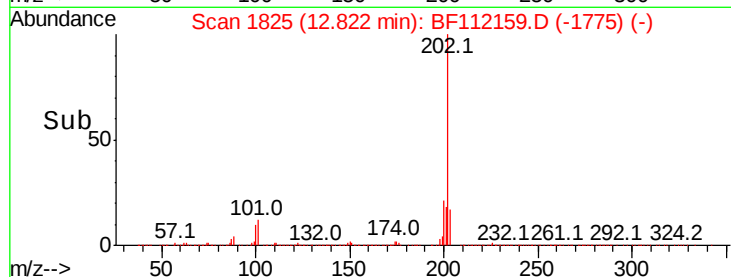
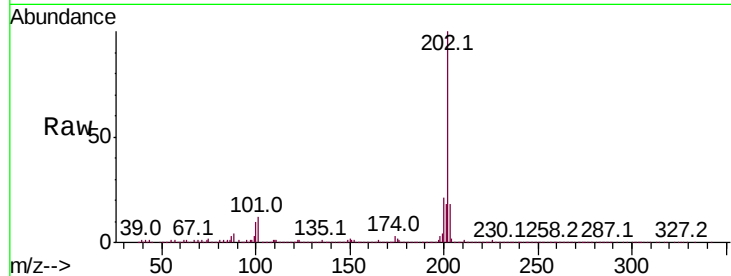
#78
Pvrene
Concen: 13.880 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.7	26.5
203	18.0	14.6	22.0

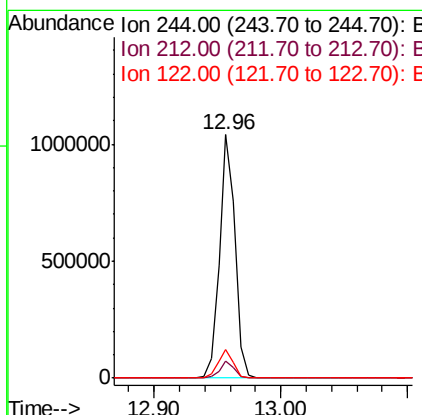
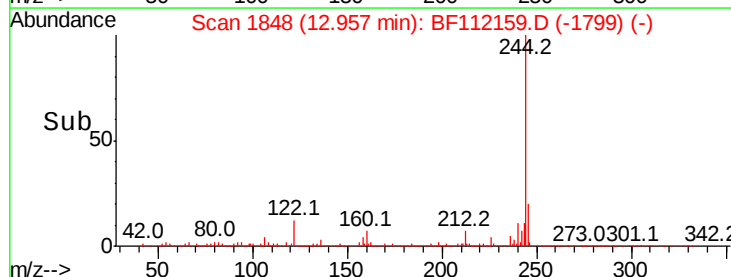
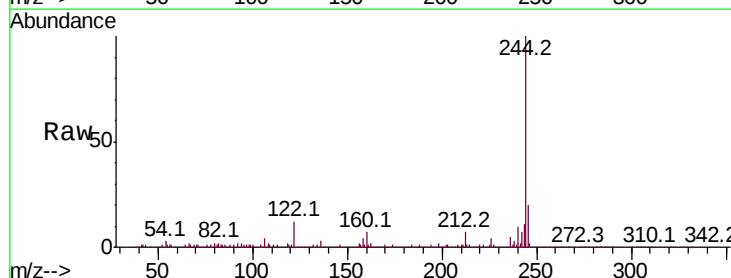
Manual Integrations
APPROVED

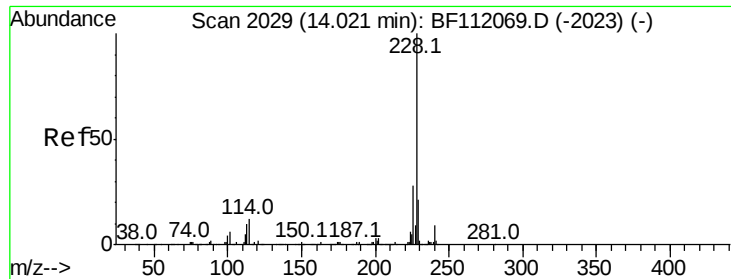
Sohil
1/22/2019 9:59:02 AM



#79
Terphenyl-d14
Concen: 32.527 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.9	9.8	14.6





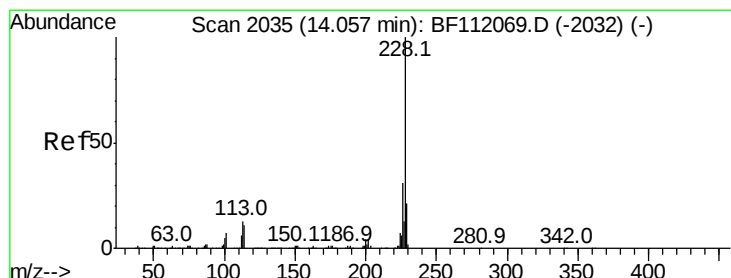
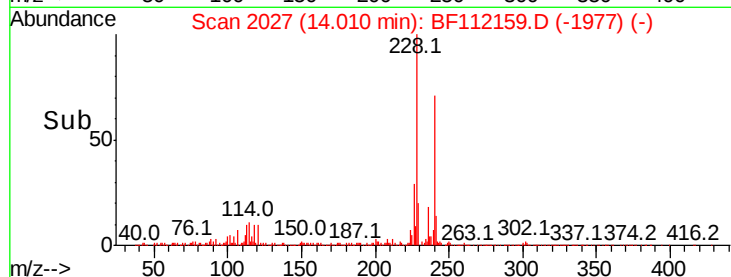
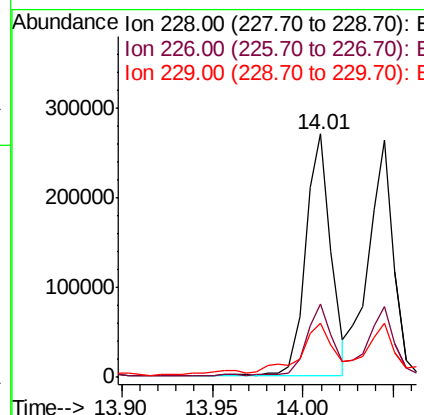
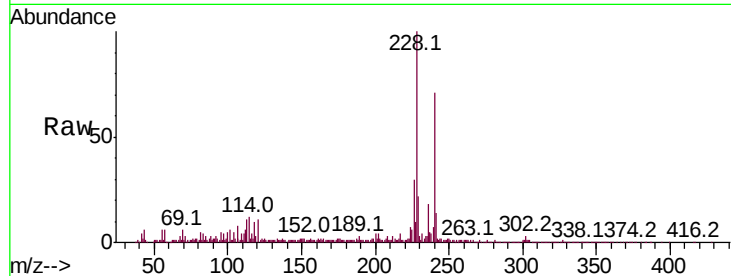
#81
Benzo(a)anthracene
Concen: 7.815 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion	Ratio	Resp	Lower	Upper
228	100	261586		
226	30.1		22.6	34.0
229	22.1		16.5	24.7

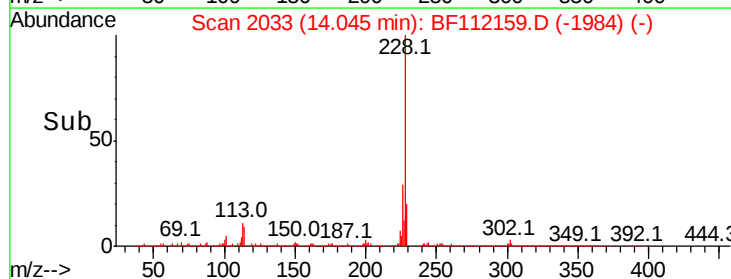
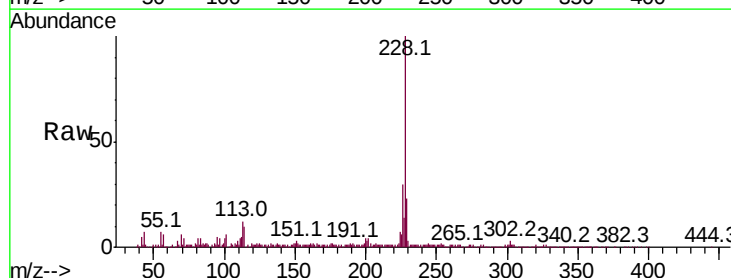
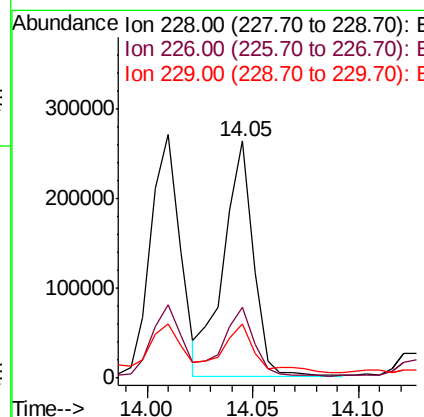
Manual Integrations
APPROVED

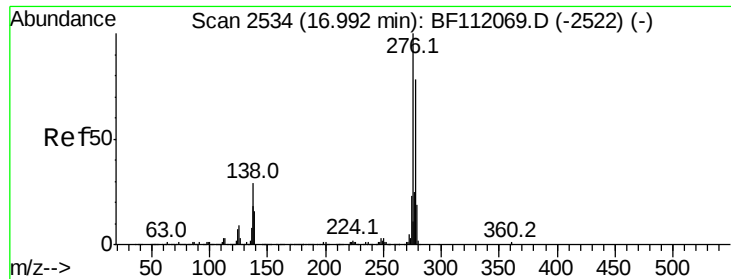
Sohil
1/22/2019 9:59:02 AM



#83
Chrysene
Concen: 8.031 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	254354		
226	29.8		25.0	37.6
229	22.9		16.6	24.8





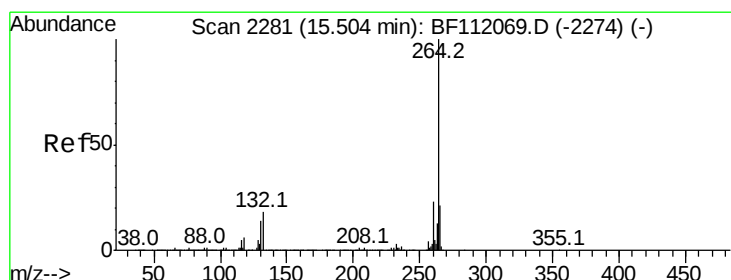
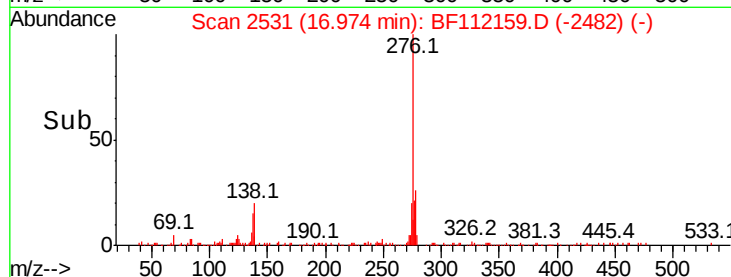
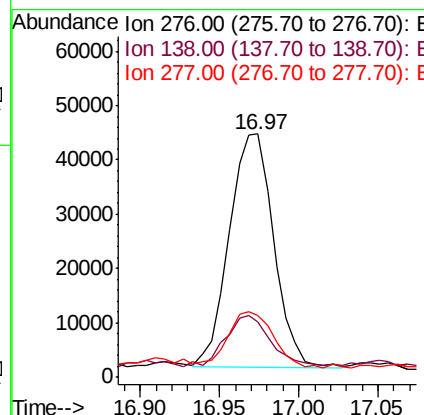
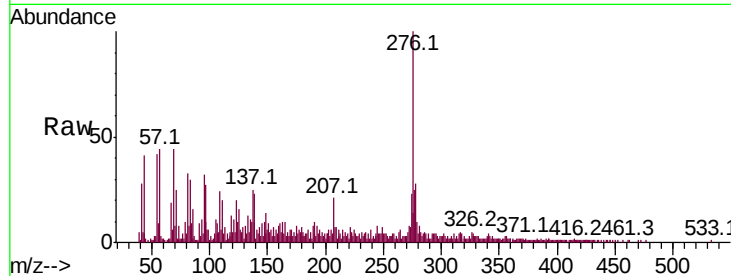
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.860 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.6	34.0#
277	24.8	20.3	30.5

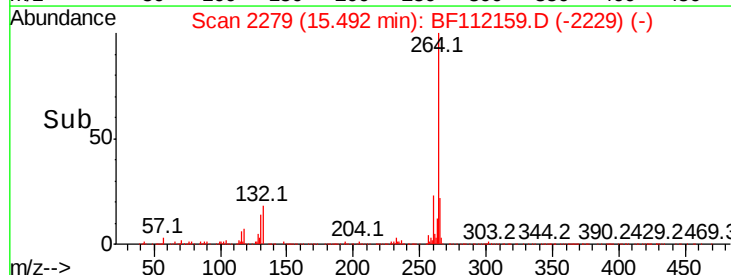
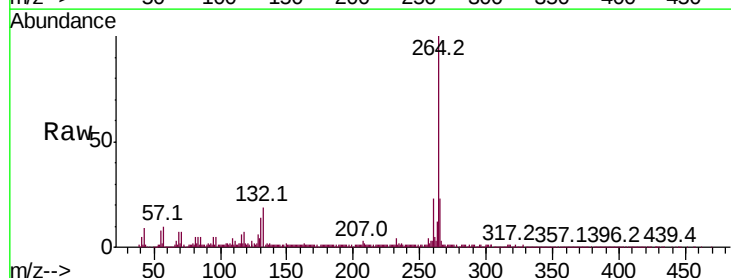
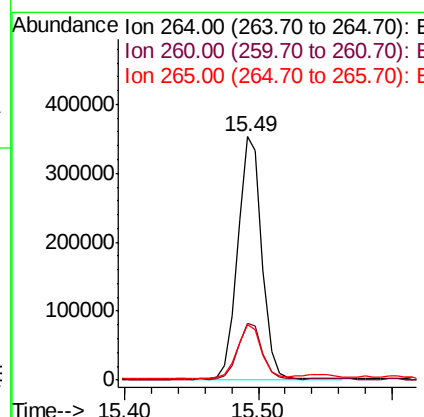
Manual Integrations
APPROVED

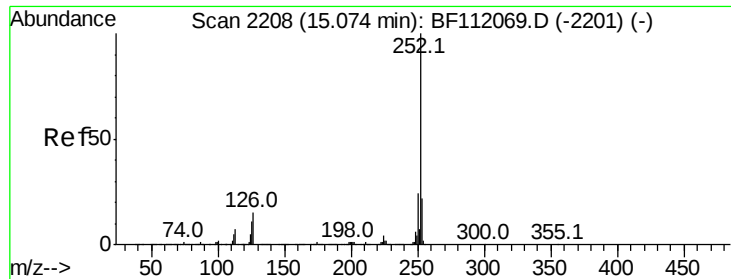
Sohil
1/22/2019 9:59:02 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	22.7	17.0	25.4





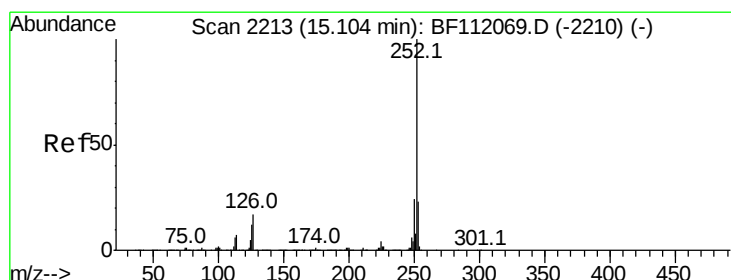
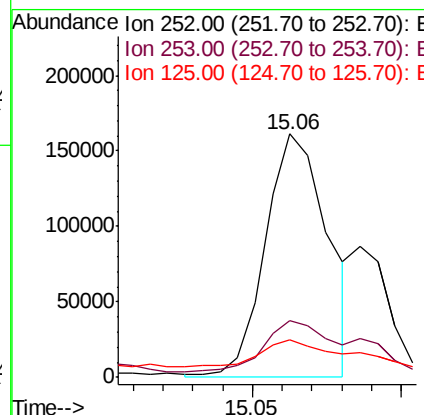
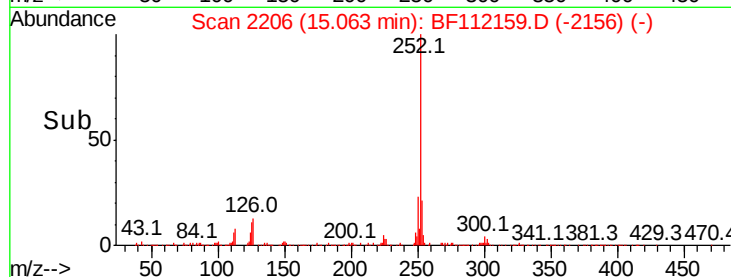
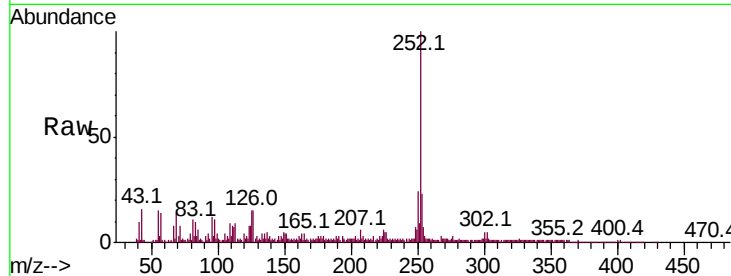
#88
Benzo(b)fluoranthene
Concen: 9.477 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.3	18.0	27.0	
125	15.2	8.7	13.1	

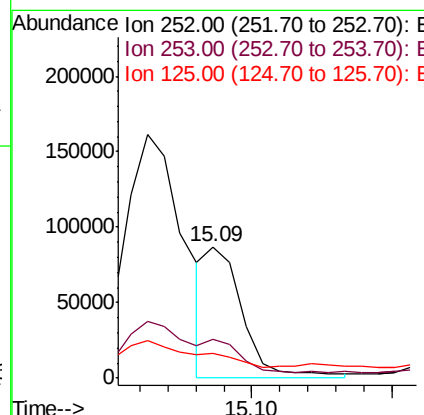
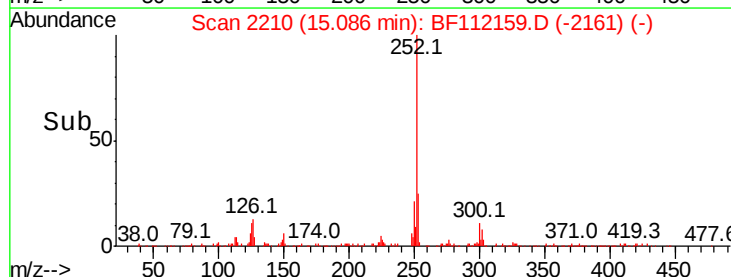
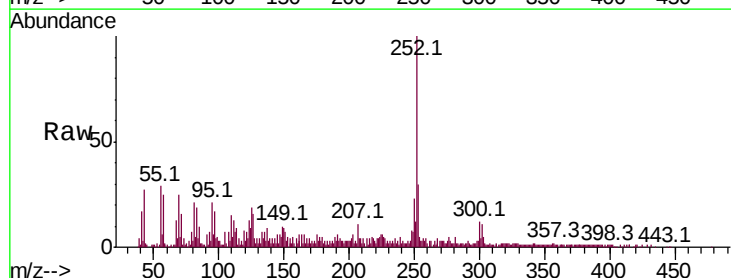
Manual Integrations
APPROVED

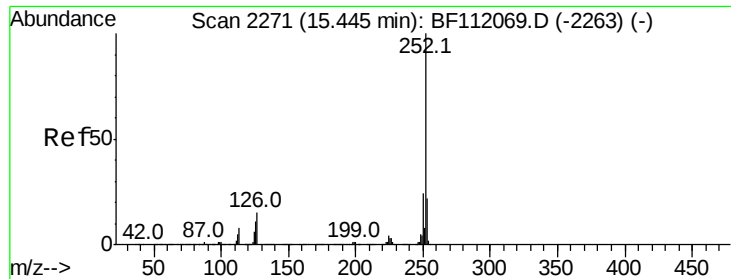
Sohil
1/22/2019 9:59:02 AM



#89
Benzo(k)fluoranthene
Concen: 3.295 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	29.9	18.0	27.0	
125	19.0	9.1	13.7	





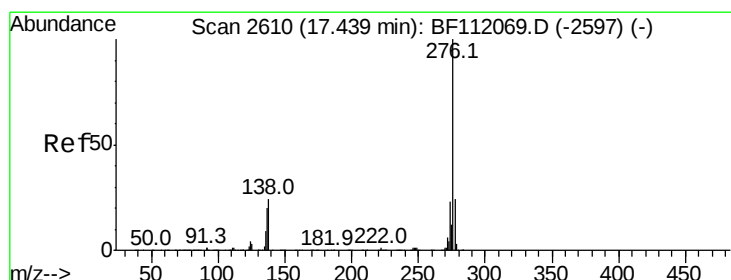
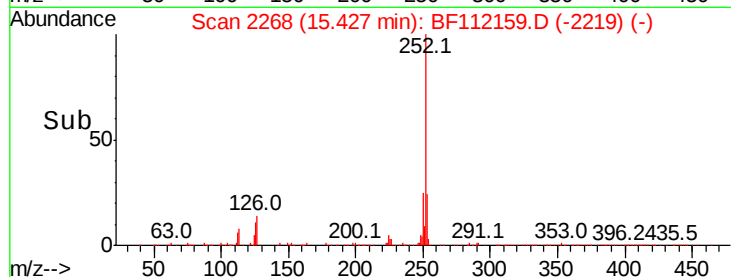
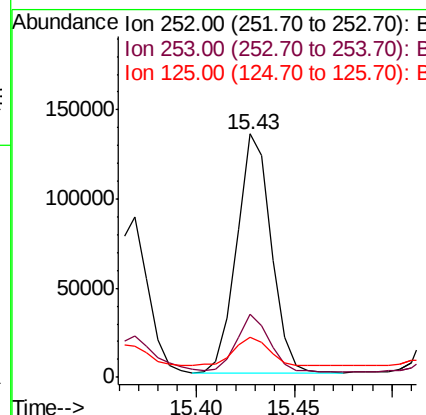
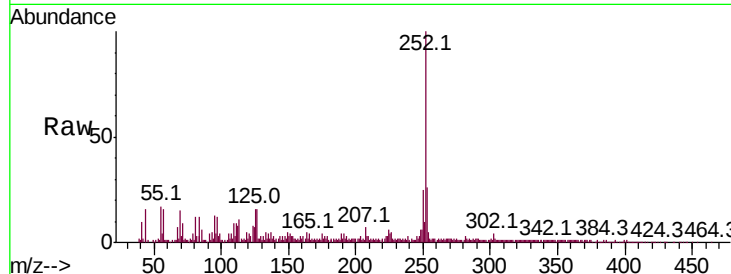
#90
Benzo(a)pyrene
Concen: 7.235 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.5	26.3
125	16.2	9.0	13.4

Manual Integrations
APPROVED

Sohil
1/22/2019 9:59:02 AM



#92
Benzo(g,h,i)perylene
Concen: 4.104 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.4	29.0
138	24.8	19.1	28.7

