

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118219.D
 Acq On : 17 Dec 2019 1:50
 Operator : JU
 Sample : K6284-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 42-SPRUCE

Manual Integrations
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Quant Time: Dec 17 04:51:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	87518	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	330321	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	170274	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	293698	20.00	ng	0.00
76) Chrysene-d12	14.06	240	209177	20.00	ng	-0.01
87) Perylene-d12	15.54	264	265470	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	566893	113.45	ng	0.00
7) Phenol-d6	6.49	99	717340	118.69	ng	0.00
23) Nitrobenzene-d5	7.43	82	422863	72.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	220332	106.52	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	888218	79.38	ng	-0.01
79) Terphenyl-d14	12.99	244	829830	68.22	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	22333	3.240	ng	92
50) Dimethylphthalate	9.62	163	35084	2.790	ng	96
71) Phenanthrene	11.43	178	56319	3.607	ng	98
75) Fluoranthene	12.62	202	89888	5.631	ng	97
78) Pyrene	12.85	202	105741	6.415	ng	98
81) Benzo(a)anthracene	14.05	228	50834	3.515	ng	96
83) Chrysene	14.08	228	54194	3.922	ng	97
86) Indeno(1,2,3-cd)pyrene	17.05	276	27397	2.357	ng	99
88) Benzo(b)fluoranthene	15.11	252	60120m	3.424	ng	
90) Benzo(a)pyrene	15.48	252	44208	2.851	ng	98

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

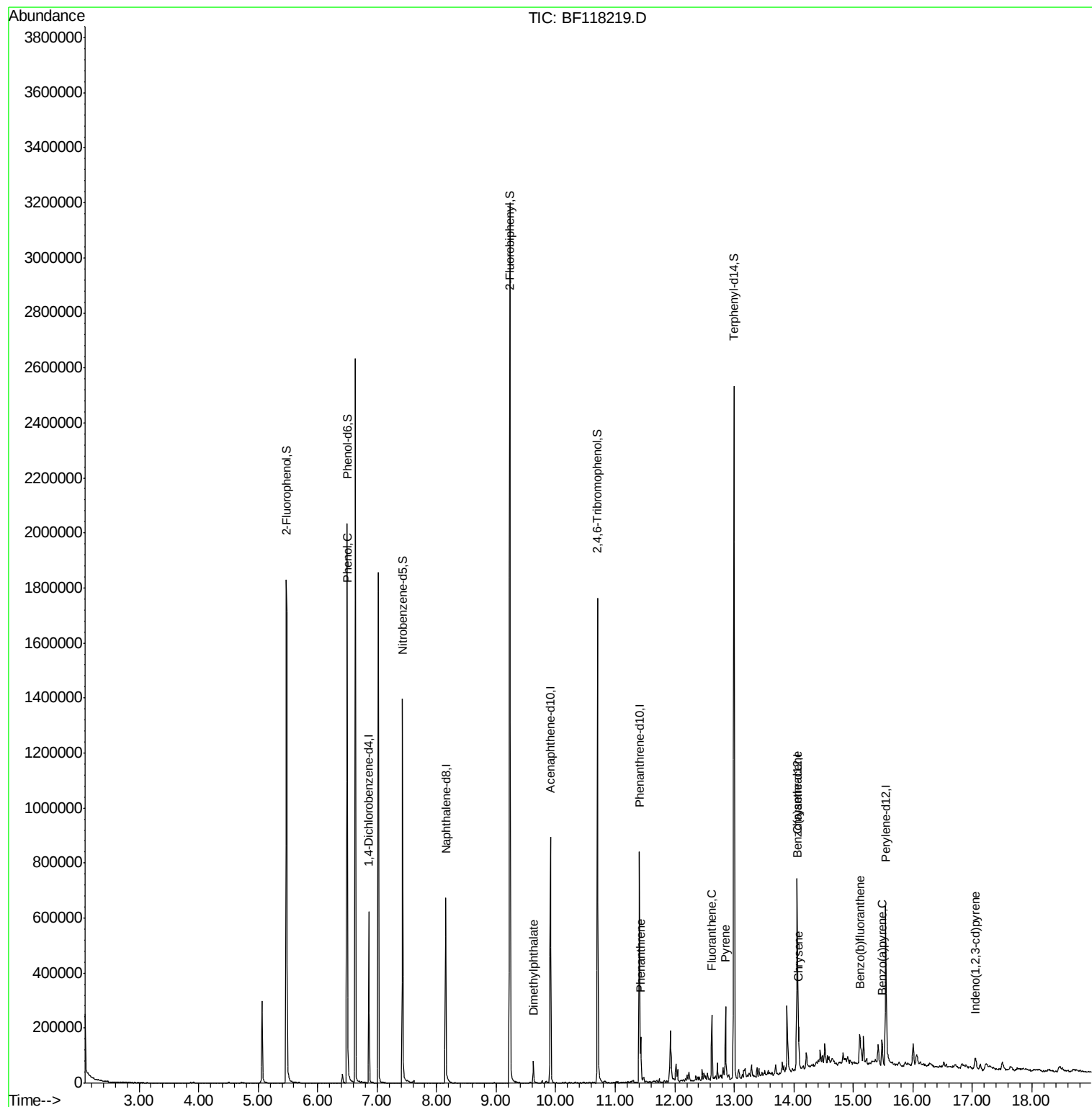
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118219.D
Acq On : 17 Dec 2019 1:50
Operator : JU
Sample : K6284-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
42-SPRUCE

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Quant Time: Dec 17 04:51:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration





#1

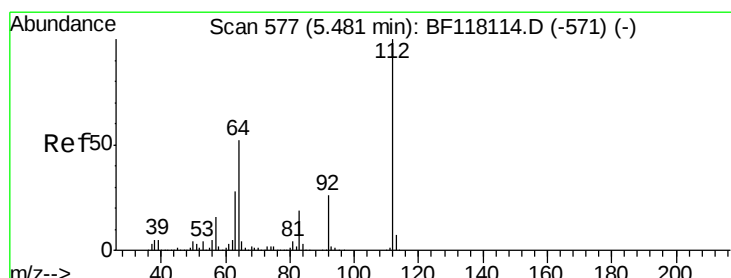
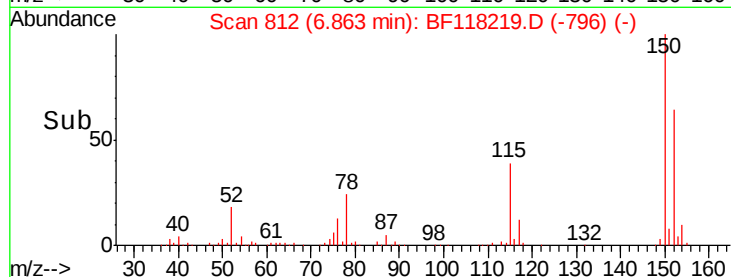
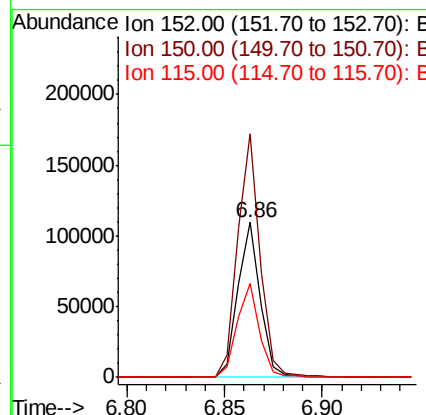
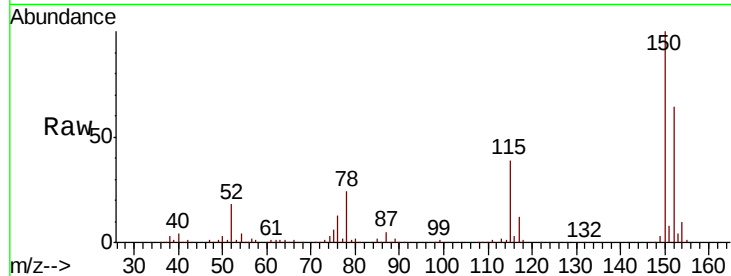
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Instrument :
BNA_F
ClientSampleId :
42-SPRUCE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	128.3	192.5
115	60.8	51.1	76.7

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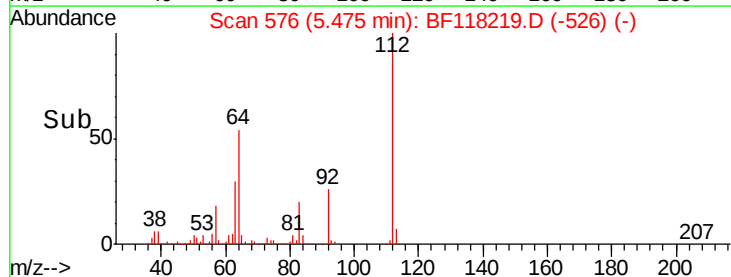
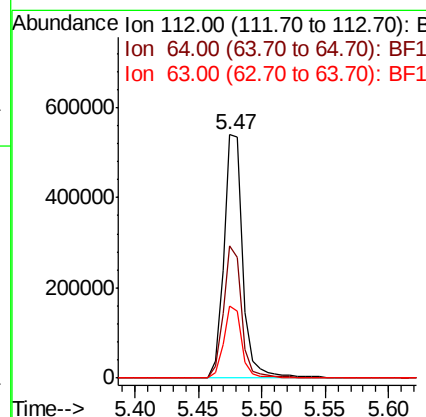
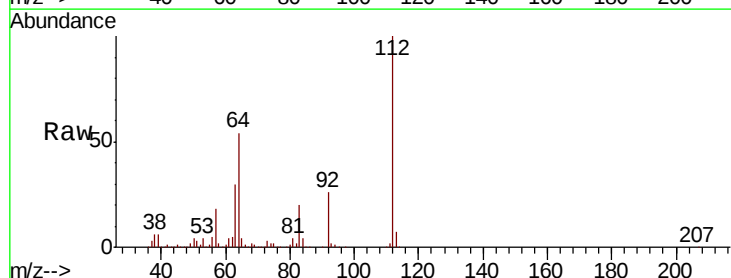
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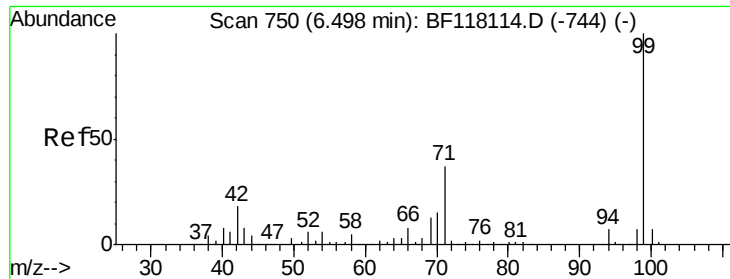


#5

2-Fluorophenol
Concen: 113.450 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	41.3	61.9
63	29.8	22.4	33.6





#7

Phenol-d6

Concen: 118.690 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118219.D

Acq: 17 Dec 2019 1:50

Instrument :

BNA_F

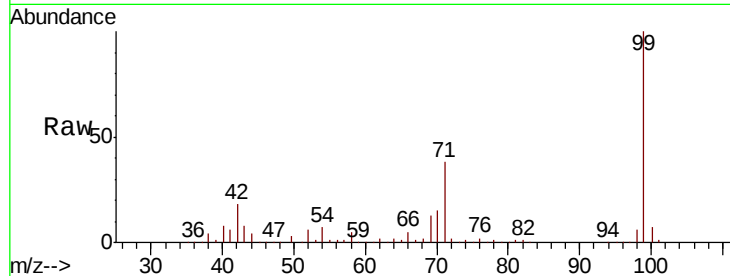
ClientSampleId :

42-SPRUCE

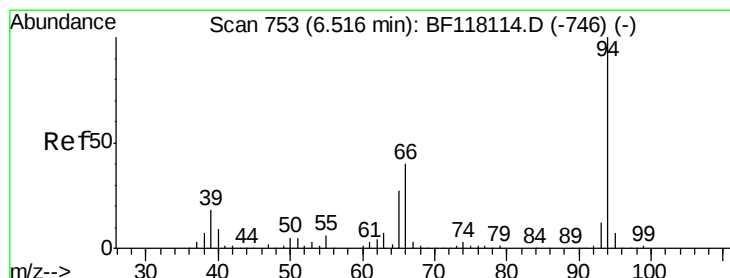
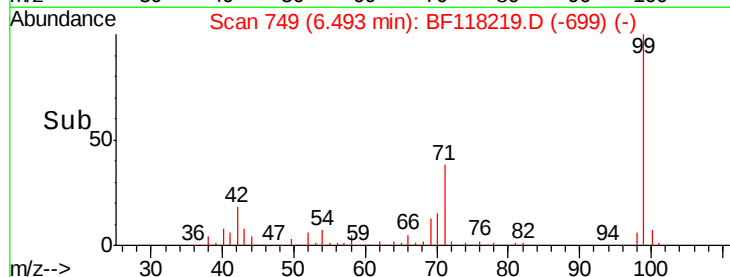
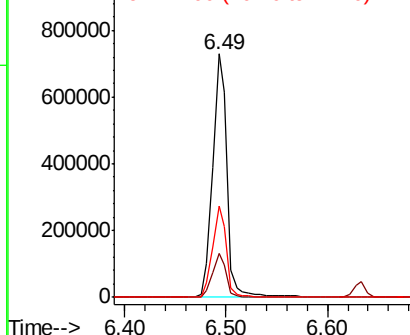
Tot Ion:	99	Resp:	717340
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.1	21.1
71	37.6	29.7	44.5

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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: 3.240 ng

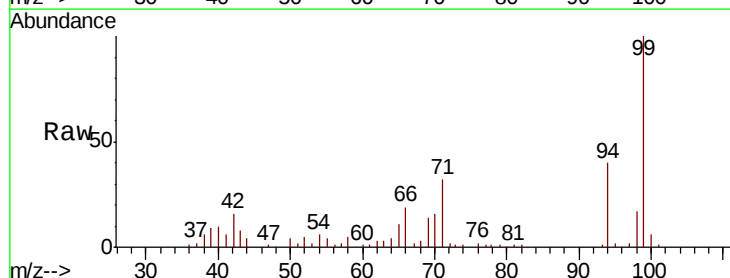
RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

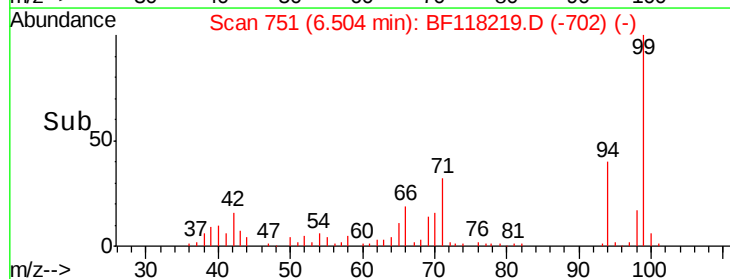
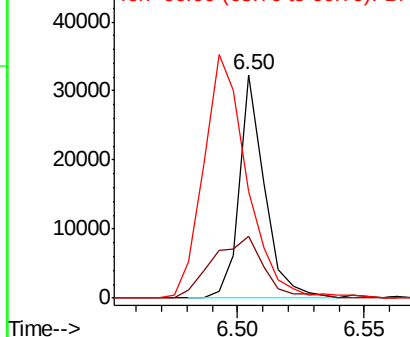
Lab File: BF118219.D

Acq: 17 Dec 2019 1:50

Tgt Ion:	94	Resp:	22333
Ion	Ratio	Lower	Upper
94	100		
65	27.7	7.3	47.3
66	47.6	20.2	60.2



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





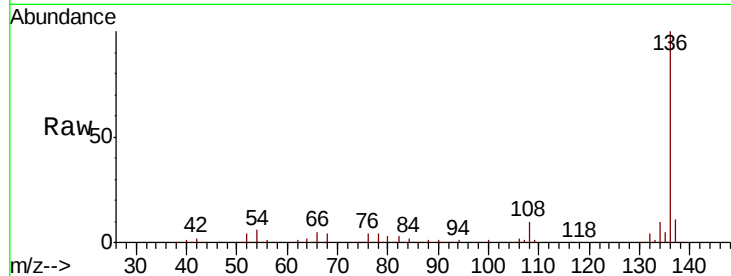
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Instrument :
BNA_F
ClientSampleId :
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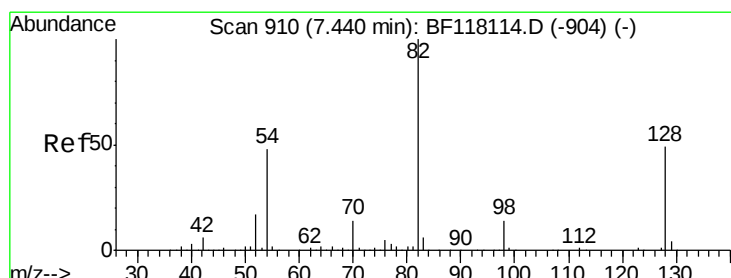
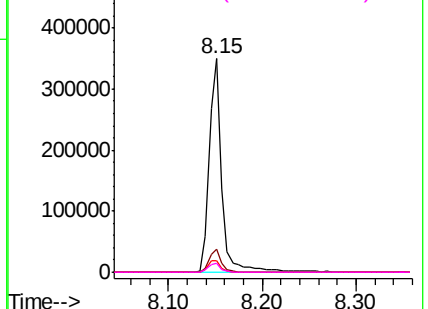
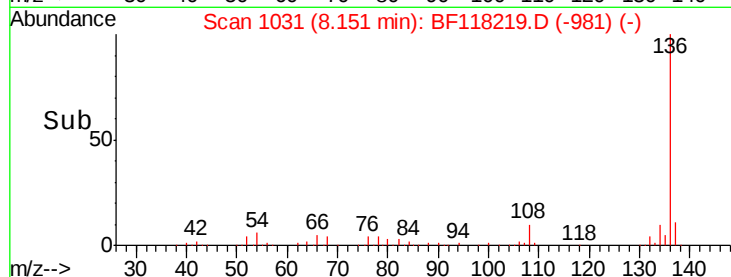
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.9	9.0	13.6		
54	5.6	5.0	7.6		
68	4.5	3.8	5.8		

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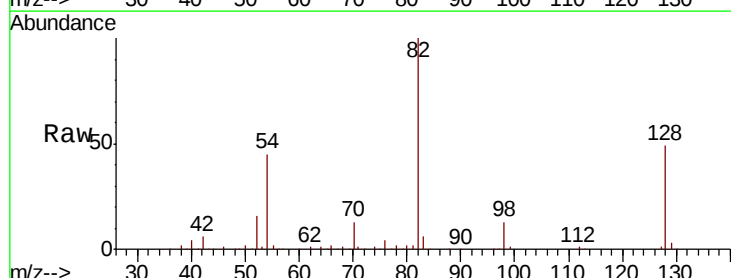


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

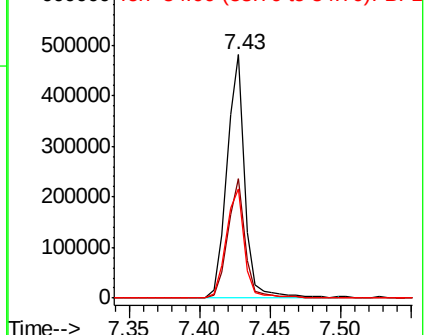
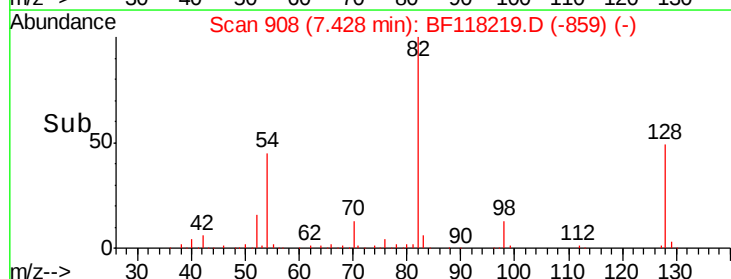


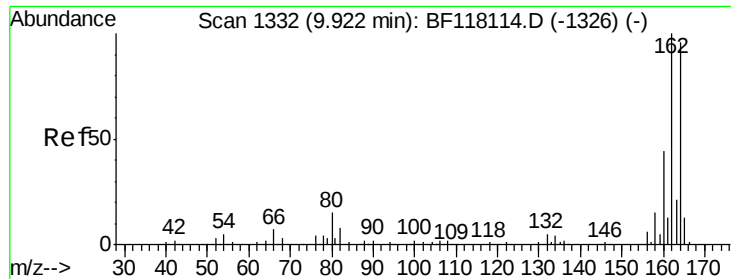
#23
Nitrobenzene-d5
Concen: 72.019 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	49.2	39.1	58.7		
54	44.6	38.2	57.2		



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





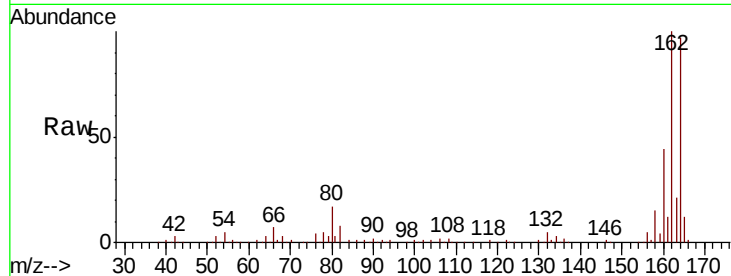
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
164	100	170274		
162	103.4	83.4	125.0	
160	45.0	36.6	54.8	

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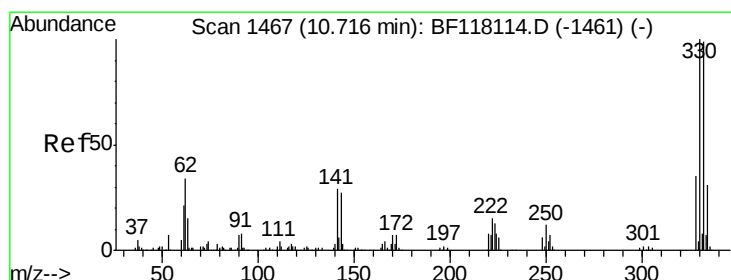
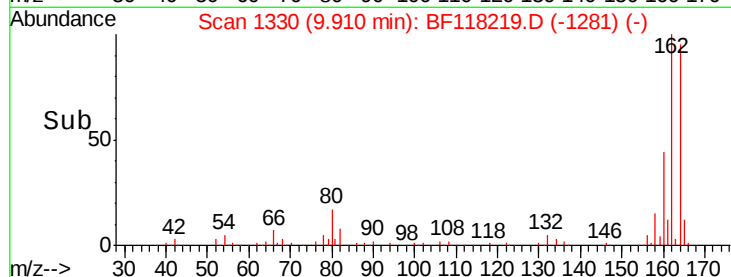
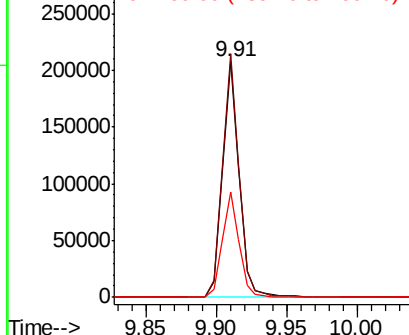


Abundance

Ion 164.00 (163.70 to 164.70): E

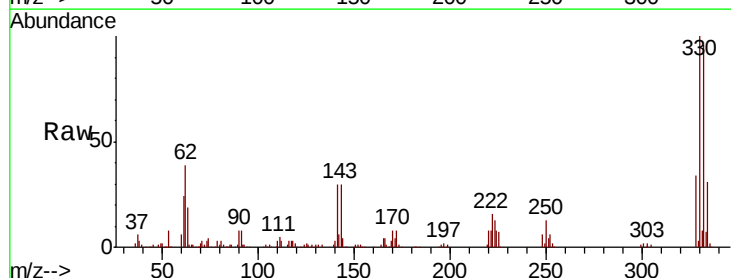
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 106.517 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	220332		
332	96.0	78.1	117.1	
141	32.9	26.9	40.3	

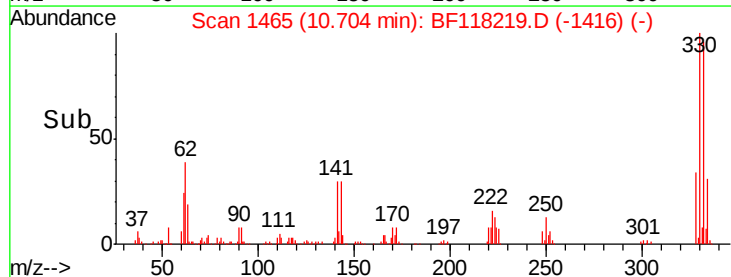
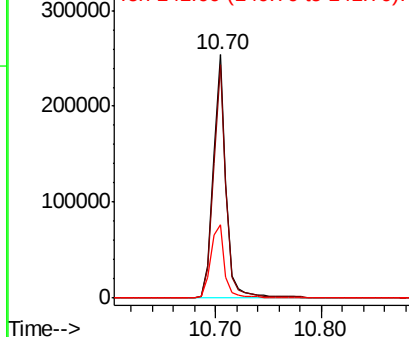


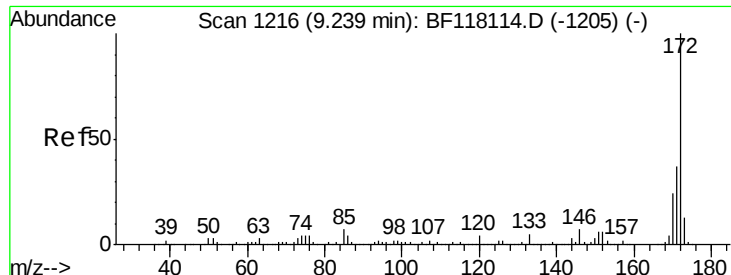
Abundance

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





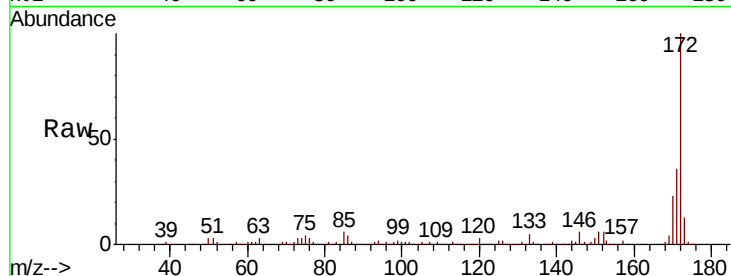
#45
2-Fluorobiphenyl
Concen: 79.375 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.1	19.4	29.2

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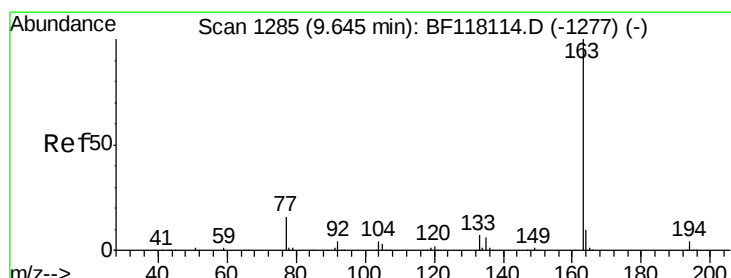
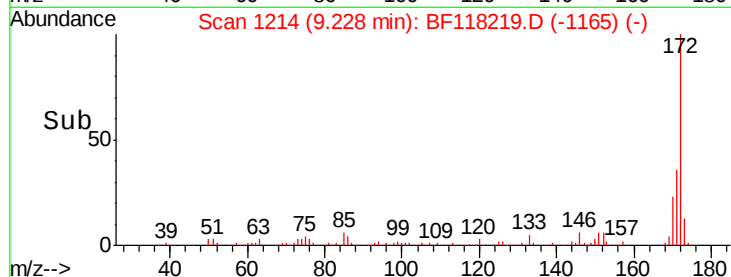
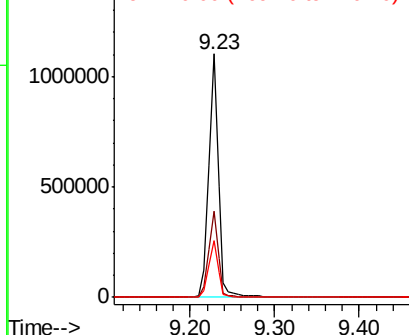


Abundance

Ion 172.00 (171.70 to 172.70): E

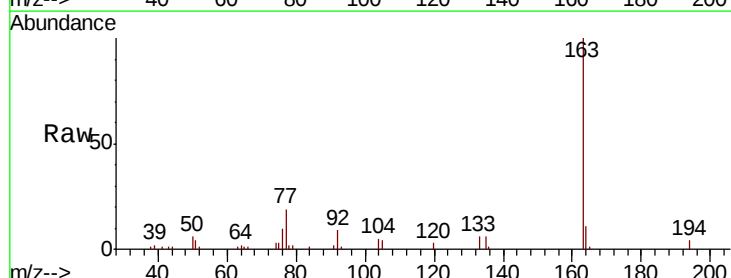
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 2.790 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.0	3.1	4.7
164	11.4	7.7	11.5

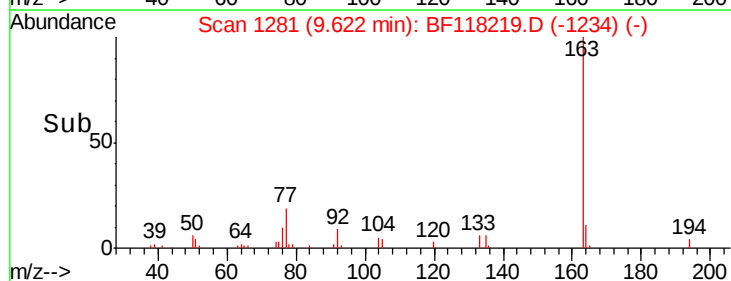
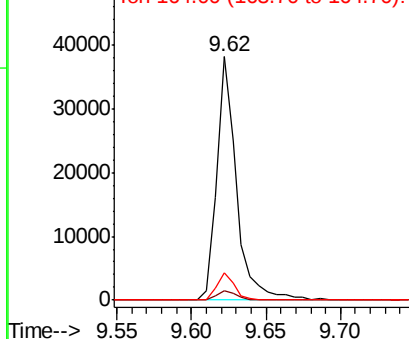


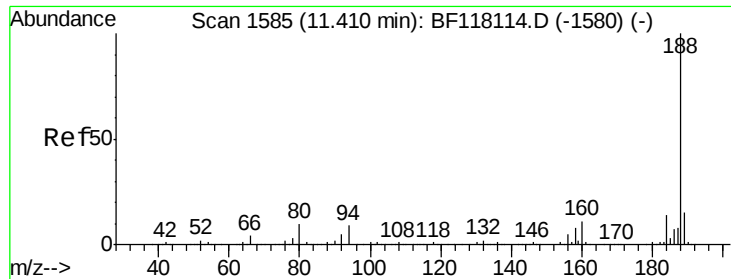
Abundance

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: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118219.D

Acq: 17 Dec 2019 1:50

Instrument :

BNA_F

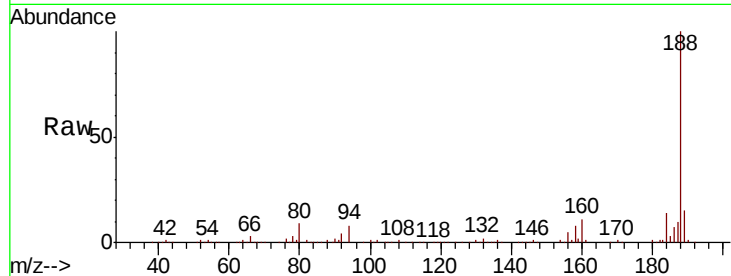
ClientSampleId :

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Tot Ion:	188	Resp:	293698
Ion Ratio	Lower	Upper	
188	100		
94	7.5	7.1	10.7
80	8.8	7.9	11.9

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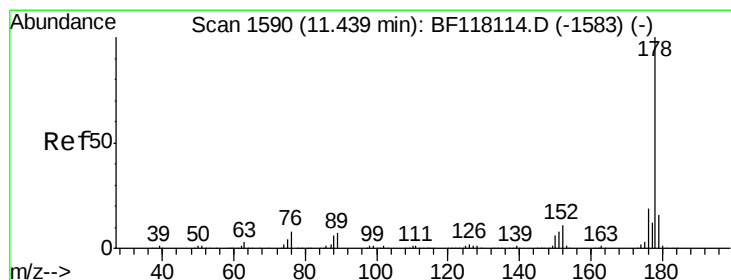
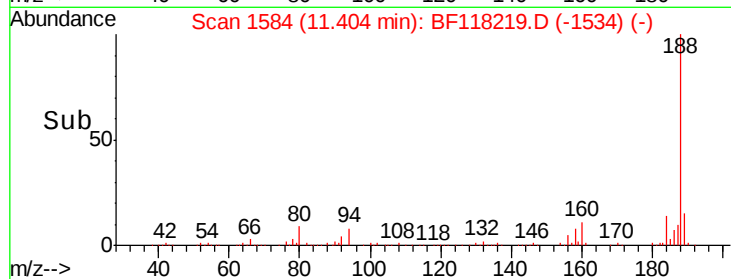
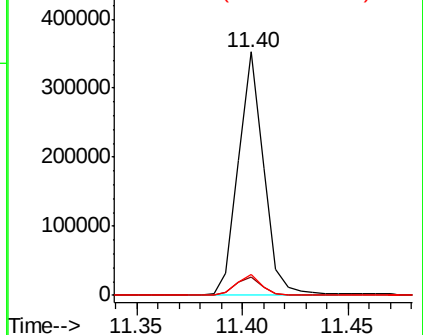
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 3.607 ng

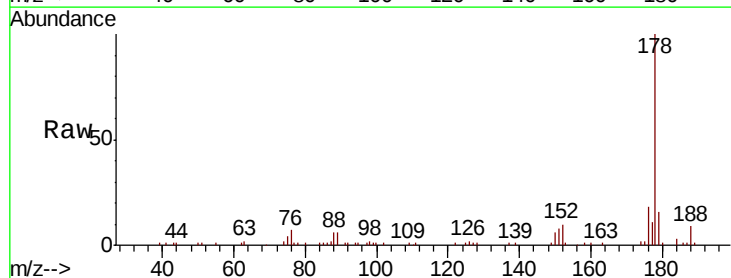
RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF118219.D

Acq: 17 Dec 2019 1:50

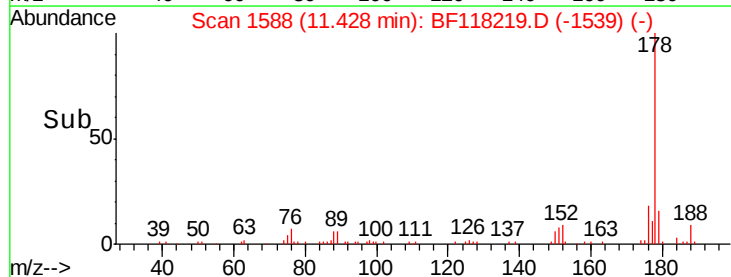
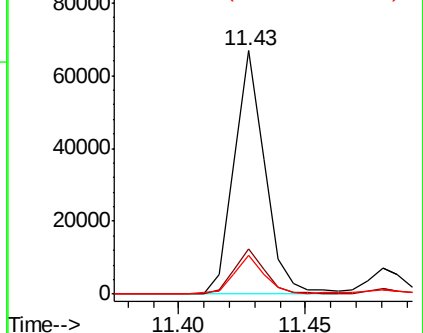
Tgt Ion:	178	Resp:	56319
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.5	23.3
179	16.2	12.6	18.8

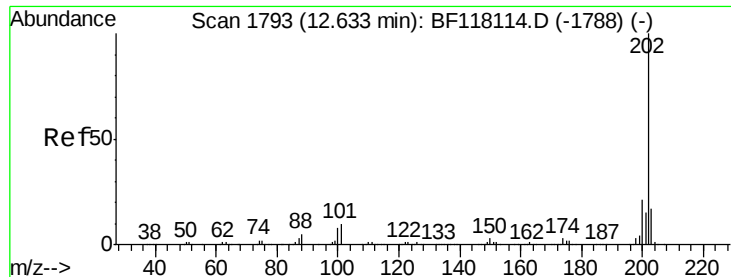


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.631 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF118219.D

Acq: 17 Dec 2019 1:50

Instrument :

BNA_F

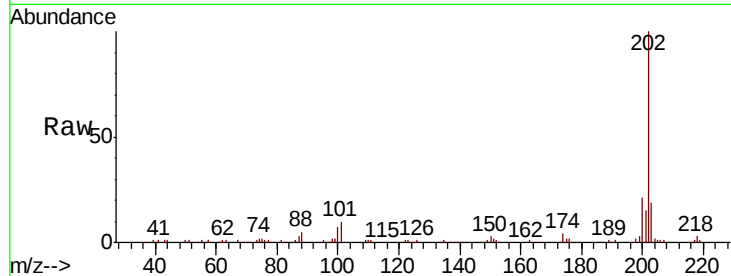
ClientSampled :

42-SPRUCE

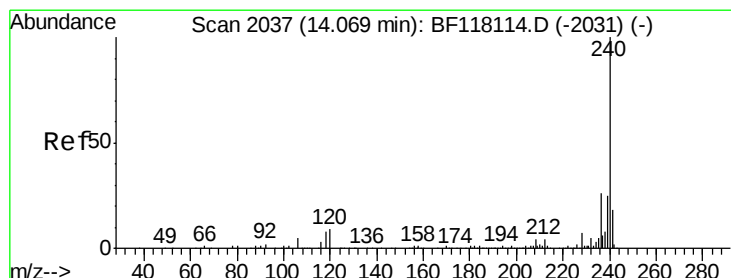
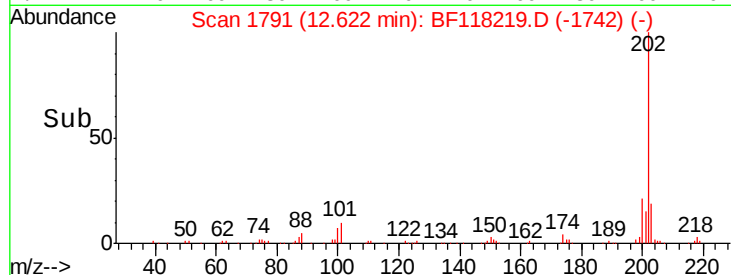
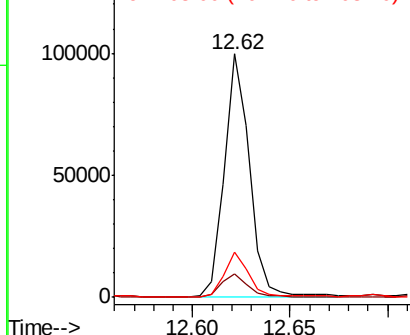
Tot Ion:	202	Resp:	89888
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	30.4
203	18.8	0.0	37.2

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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

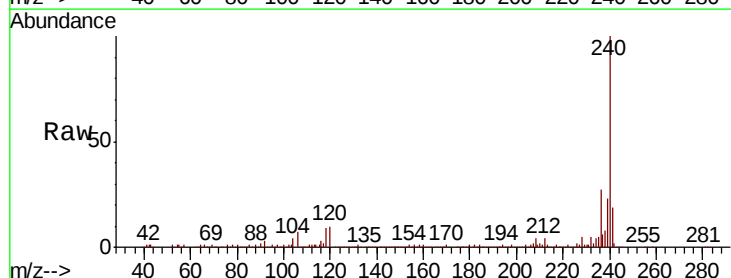
RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

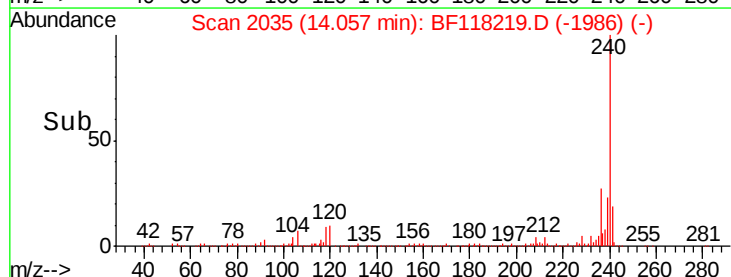
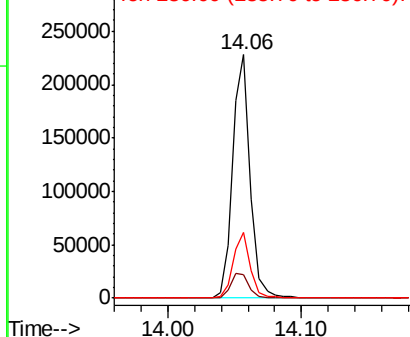
Lab File: BF118219.D

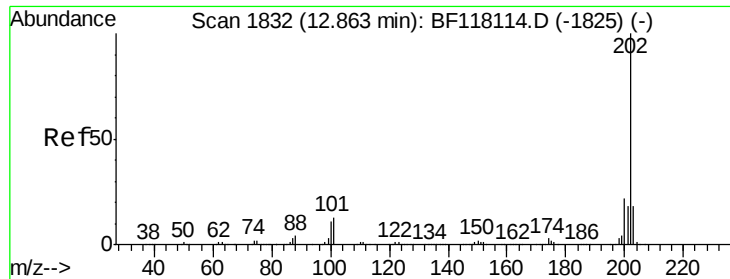
Acq: 17 Dec 2019 1:50

Tgt Ion:	240	Resp:	209177
Ion Ratio	Lower	Upper	
240	100		
120	9.8	7.1	10.7
236	27.1	21.0	31.6



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





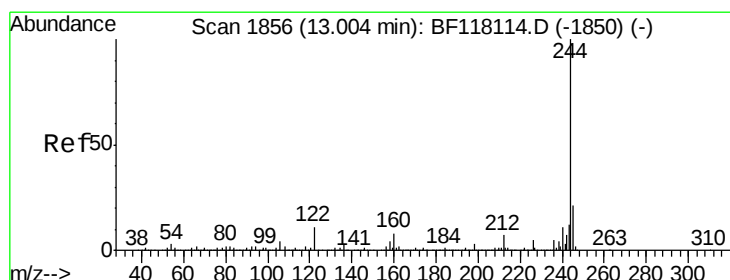
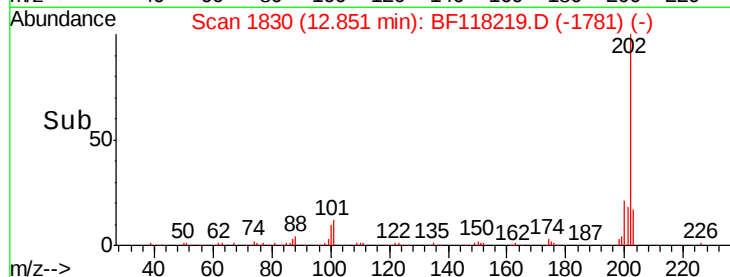
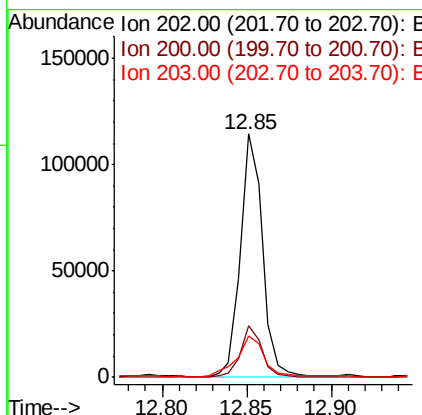
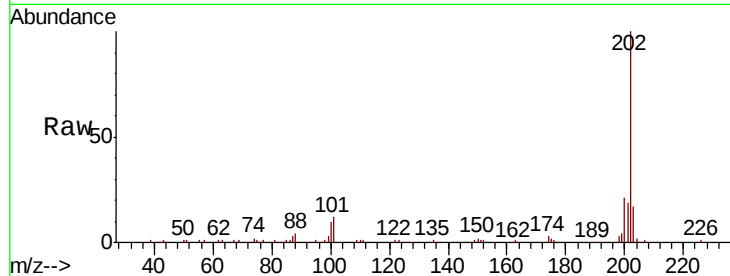
#78
Pvrene
Concen: 6.415 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Instrument :
BNA_F
ClientSampleId :
42-SPRUCE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.5	26.3
203	17.2	14.6	21.8

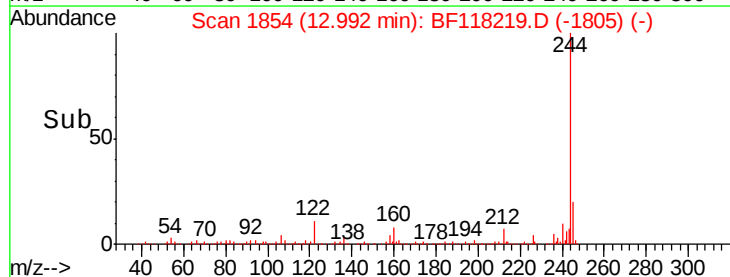
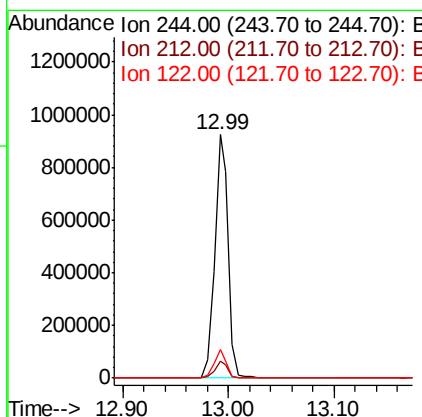
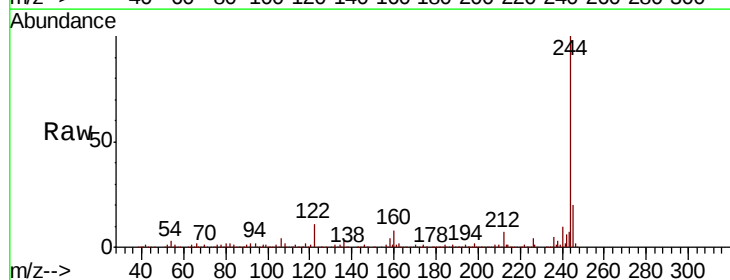
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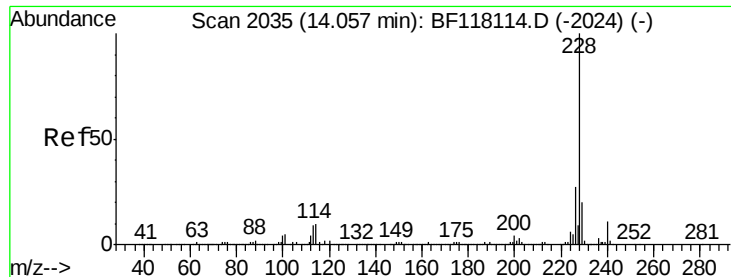
mohammad
12/17/2019 3:19:30 PM



#79
Terphenyl-d14
Concen: 68.220 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	11.5	9.0	13.6





#81

Benzo(a)anthracene

Concen: 3.515 ng

RT: 14.05 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118219.D

Acq: 17 Dec 2019 1:50

Instrument :

BNA_F

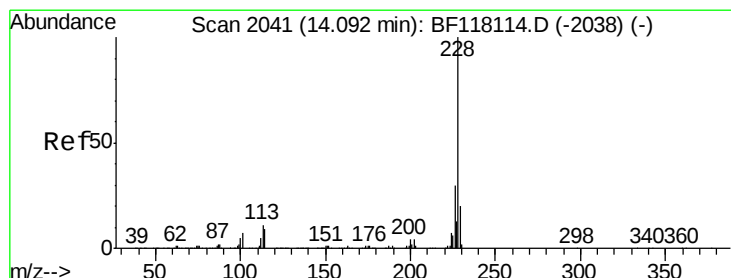
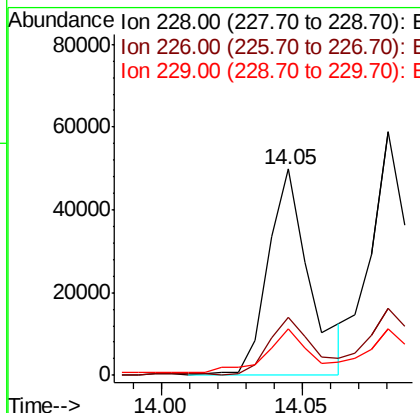
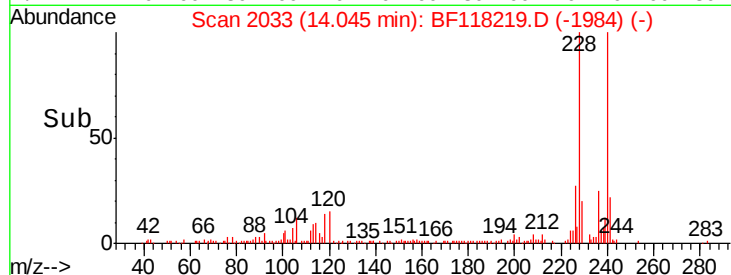
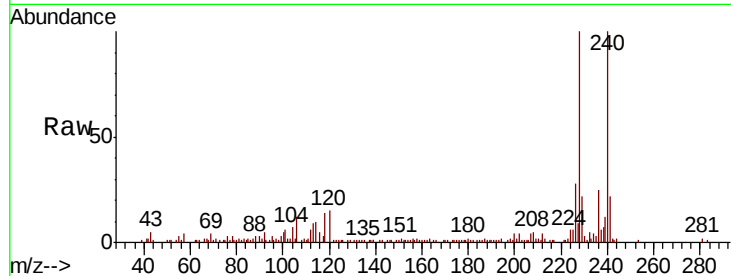
ClientSampleId :

42-SPRUCE

Tot Ion:	228	Resp:	50834
Ion Ratio	Lower	Upper	
228	100		
226	28.3	21.8	32.8
229	22.4	15.8	23.8

Manual Integrations
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#83

Chrysene

Concen: 3.922 ng

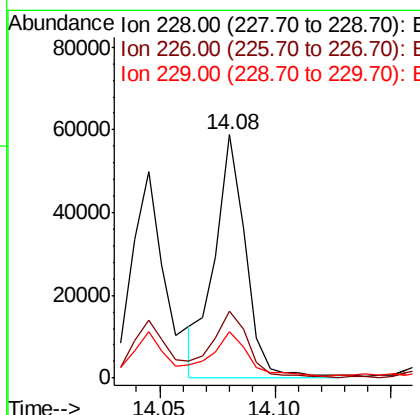
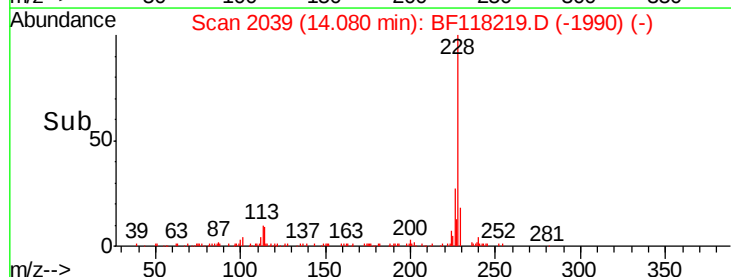
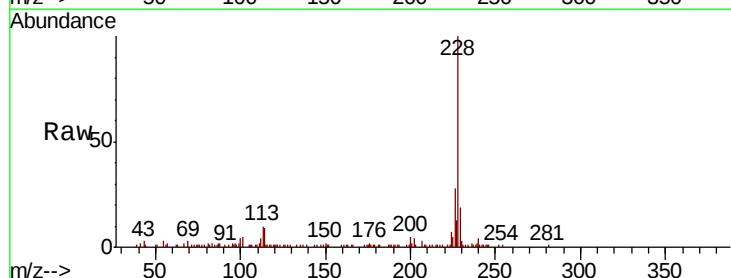
RT: 14.08 min Scan# 2039

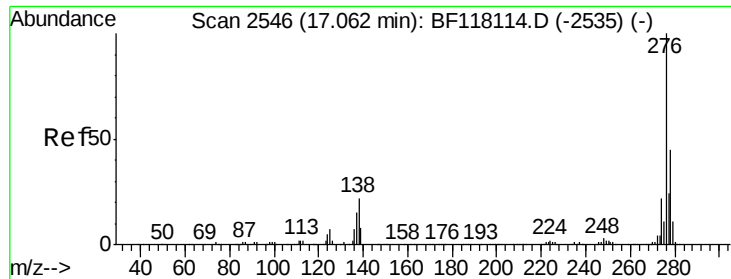
Delta R.T. -0.01 min

Lab File: BF118219.D

Acq: 17 Dec 2019 1:50

Tgt Ion:	228	Resp:	54194
Ion Ratio	Lower	Upper	
228	100		
226	27.6	23.8	35.8
229	19.4	15.7	23.5





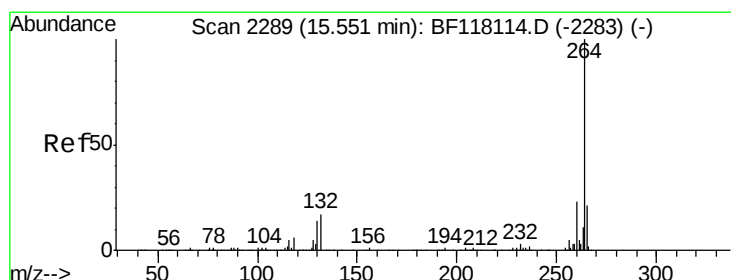
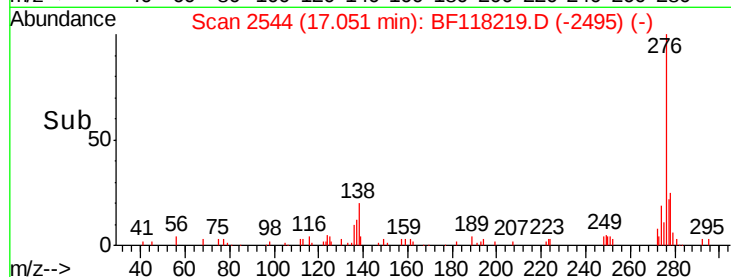
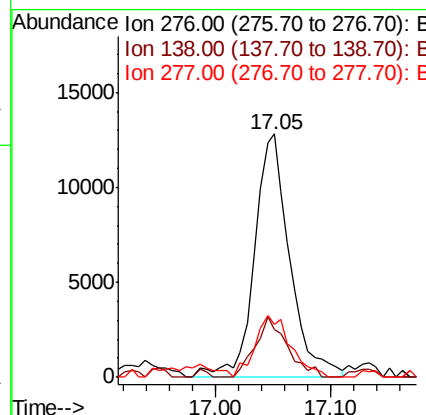
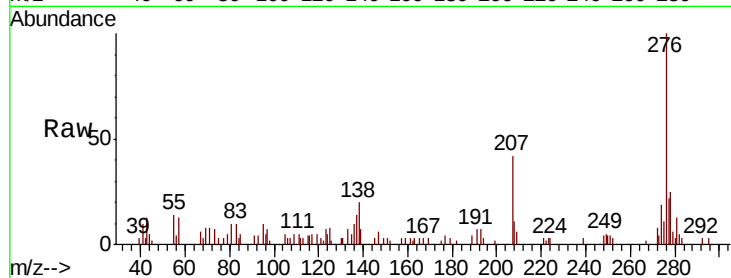
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.357 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Instrument :
BNA_F
ClientSampleId :
42-SPRUCE

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	18.9	28.3
277	25.6	20.4	30.6

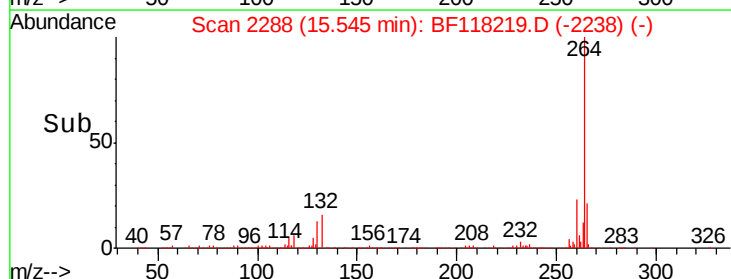
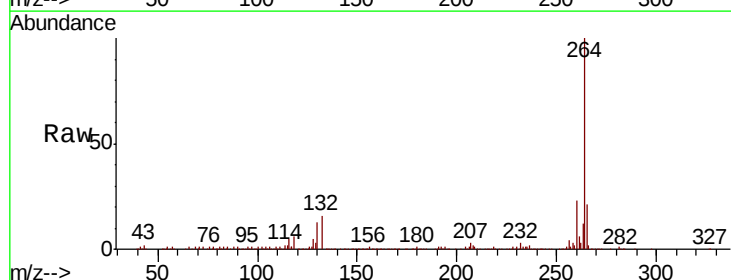
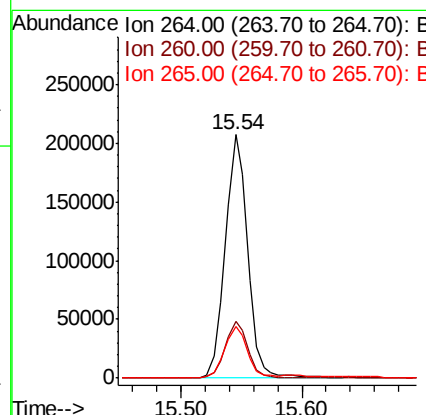
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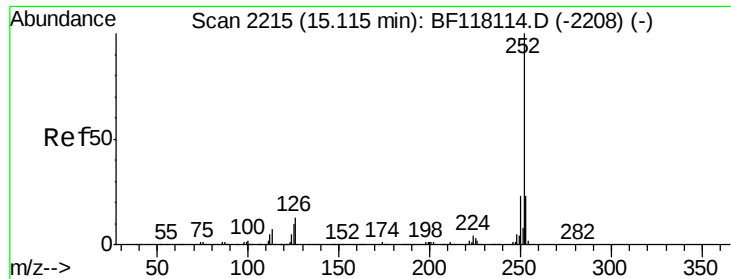
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.3	16.8	25.2





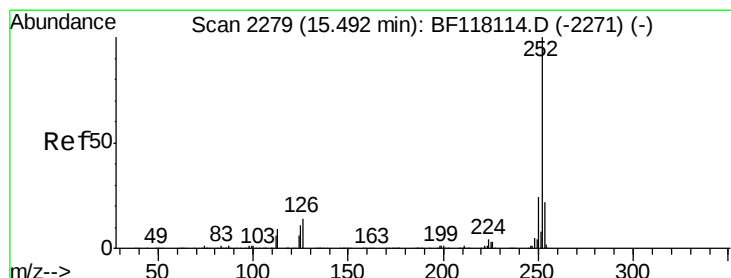
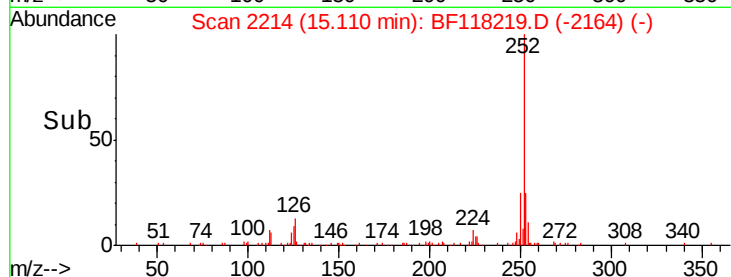
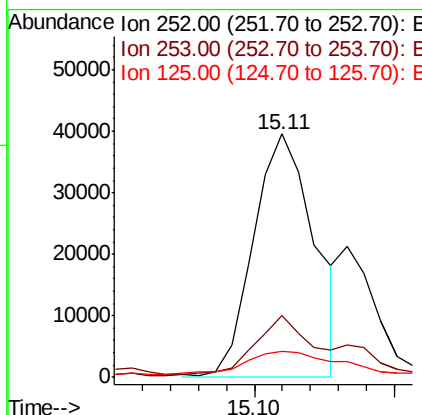
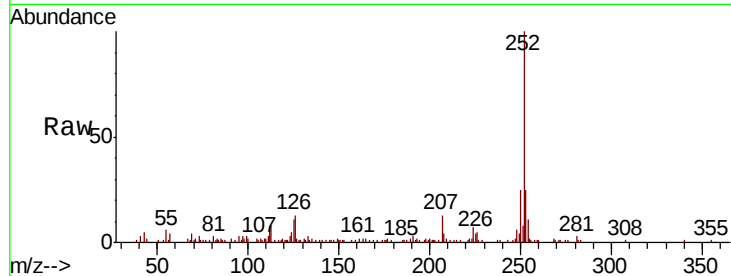
#88
Benzo(b)fluoranthene
Concen: 3.424 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Instrument :
BNA_F
ClientSampleId :
42-SPRUCE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.2	27.4
125	10.8	8.3	12.5

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 2.851 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF118219.D
Acq: 17 Dec 2019 1:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.2	9.1	13.7

