

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118222.D
 Acq On : 17 Dec 2019 3:14
 Operator : JU
 Sample : K6284-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 48-SPRUCE

Manual Integrations
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Quant Time: Dec 17 05:26:13 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	94107	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	357385	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	178911	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	308630	20.00	ng	0.00
76) Chrysene-d12	14.06	240	219039	20.00	ng	-0.01
87) Perylene-d12	15.55	264	265121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	569772	106.04	ng	0.00
7) Phenol-d6	6.49	99	728007	112.02	ng	0.00
23) Nitrobenzene-d5	7.43	82	425186	66.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	219396	100.94	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	805739	68.53	ng	-0.01
79) Terphenyl-d14	12.99	244	691773	54.31	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	22699	3.063	ng	83
50) Dimethylphthalate	9.62	163	38125	2.885	ng	100
71) Phenanthrene	11.43	178	178838	10.900	ng	100
72) Anthracene	11.48	178	34429	2.104	ng	98
75) Fluoranthene	12.62	202	209191	12.471	ng	99
78) Pyrene	12.85	202	176322	10.215	ng	98
81) Benzo(a)anthracene	14.04	228	95668	6.316	ng	99
83) Chrysene	14.08	228	83767	5.790	ng	97
86) Indeno(1,2,3-cd)pyrene	17.06	276	43304	3.557	ng	97
88) Benzo(b)fluoranthene	15.11	252	117910m	6.725	ng	
89) Benzo(k)fluoranthene	15.13	252	42601m	2.529	ng	
90) Benzo(a)pyrene	15.49	252	80457	5.195	ng	97
92) Benzo(a,h,i)perylene	17.51	276	37980	2.976	ng	# 91

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

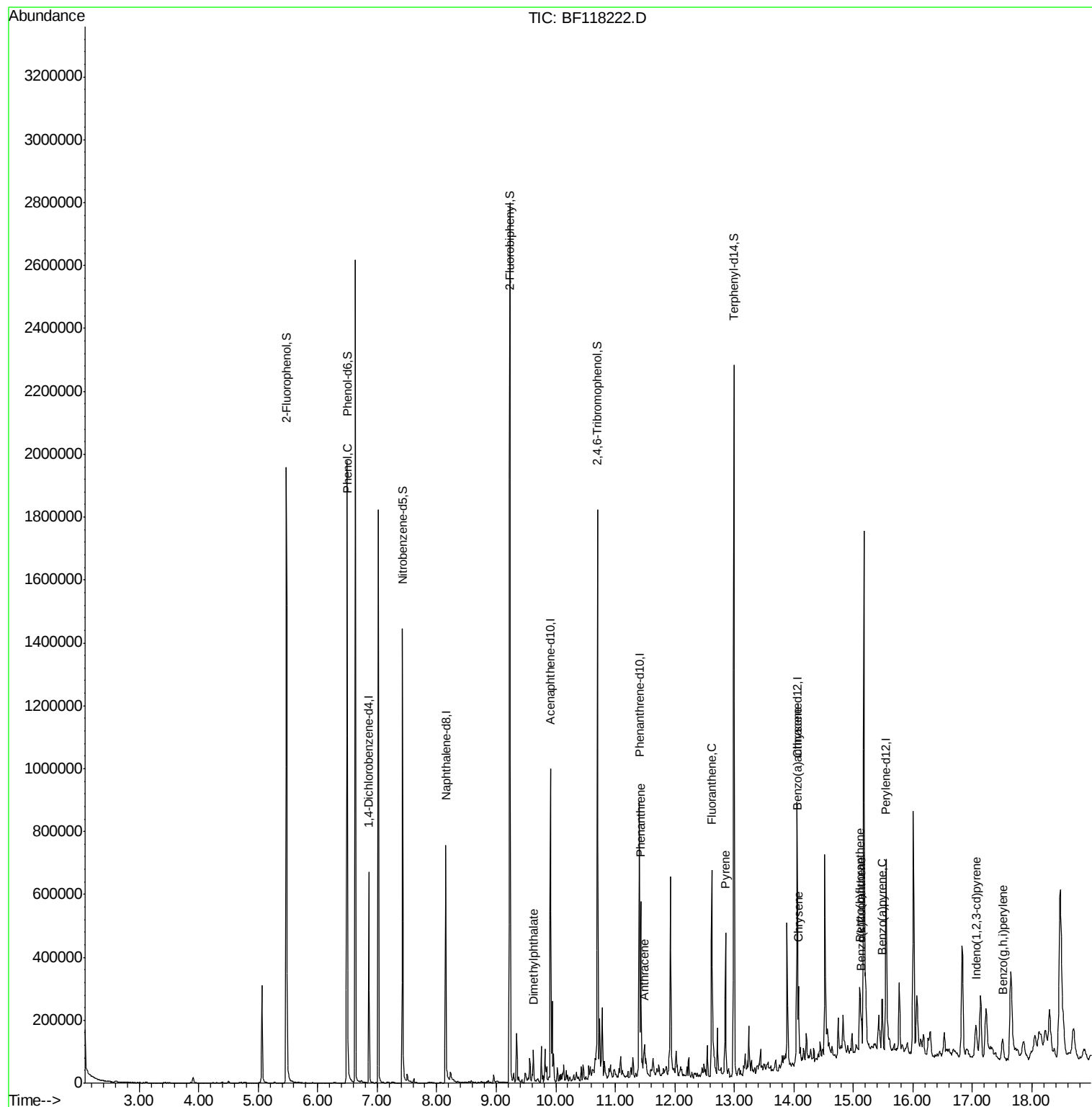
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118222.D
Acq On : 17 Dec 2019 3:14
Operator : JU
Sample : K6284-02
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration





#1

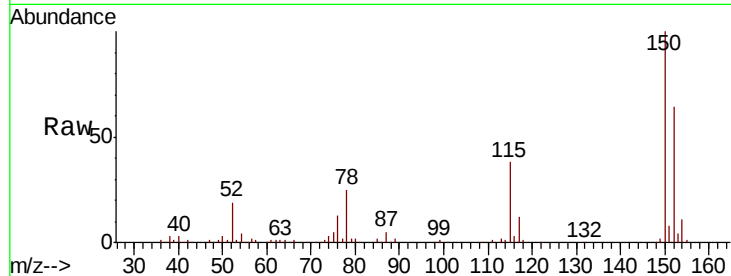
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	128.3	192.5
115	59.6	51.1	76.7

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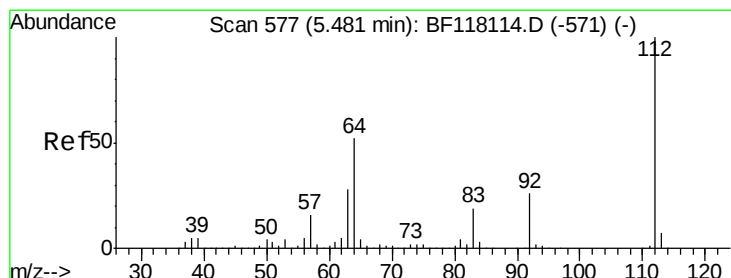
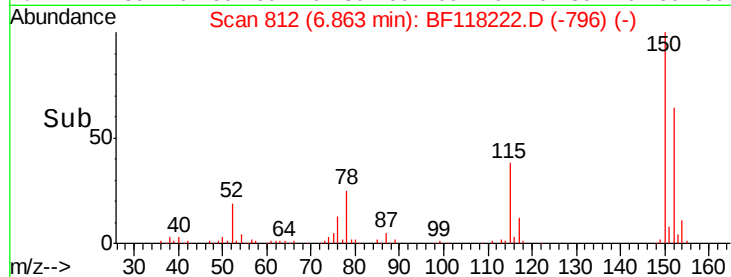
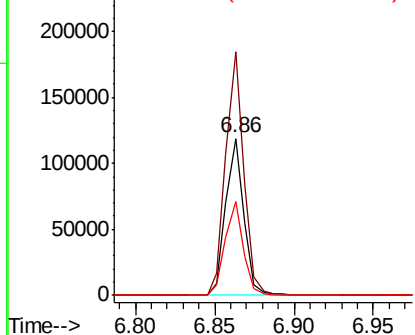


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

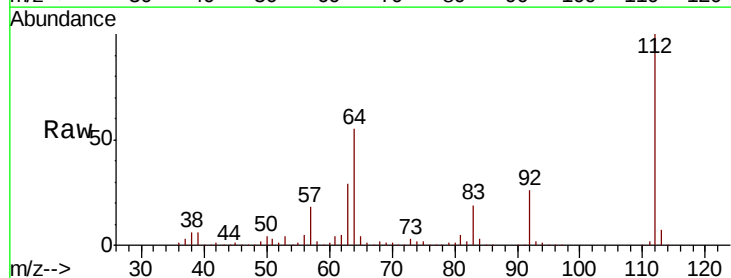
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.043 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	41.3	61.9
63	29.4	22.4	33.6

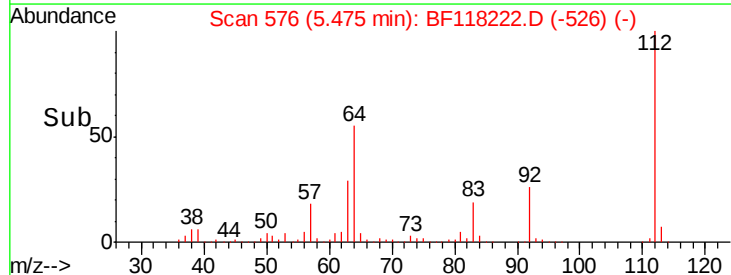
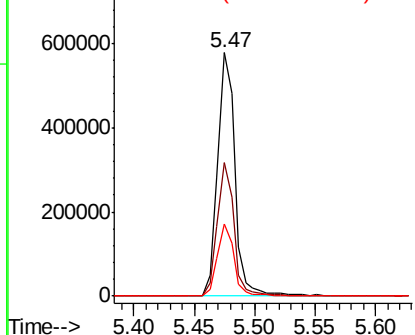


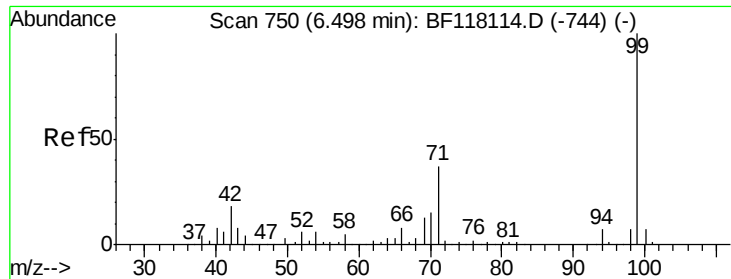
Abundance

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: 112.021 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118222.D

Acq: 17 Dec 2019 3:14

Instrument :

BNA_F

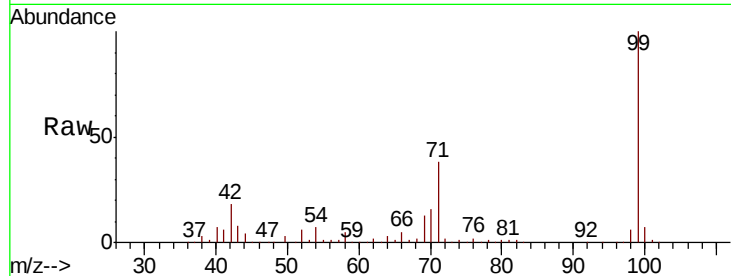
ClientSampleId :

48-SPRUCE

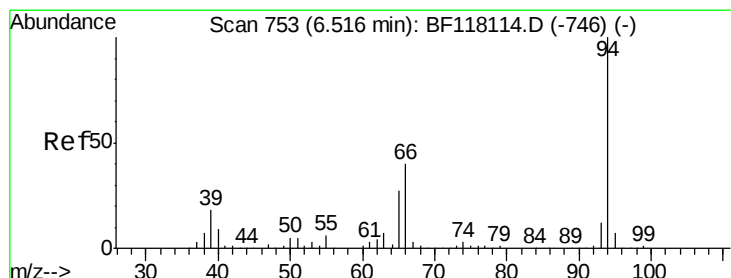
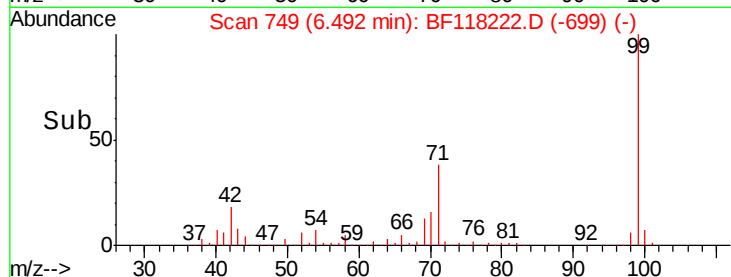
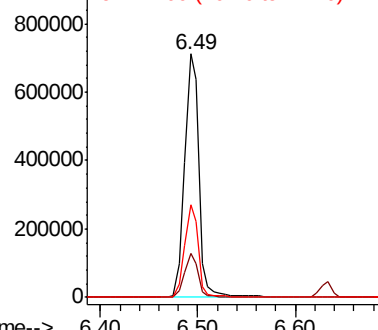
Tot Ion:	99	Resp:	728007
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.1	21.1
71	37.9	29.7	44.5

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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: 3.063 ng

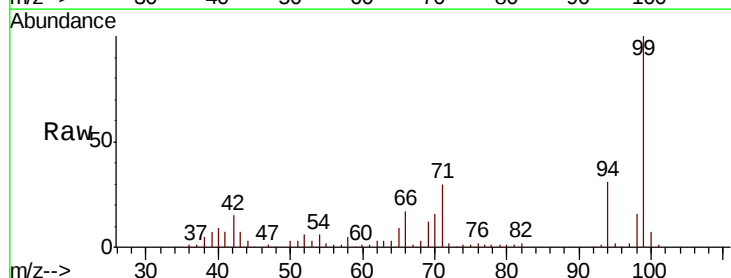
RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

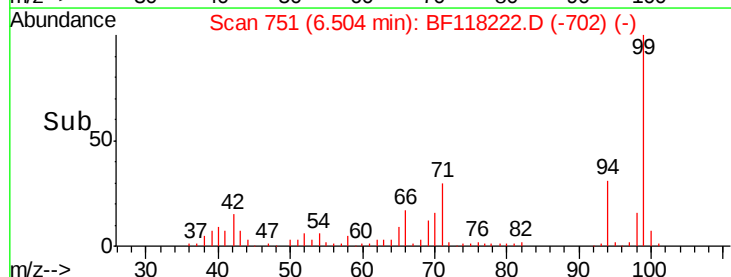
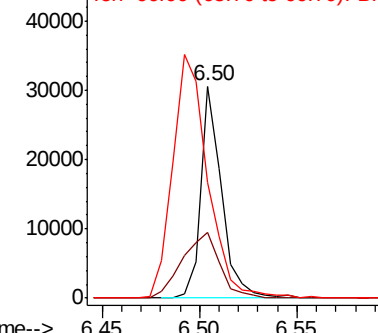
Lab File: BF118222.D

Acq: 17 Dec 2019 3:14

Tgt Ion:	94	Resp:	22699
Ion Ratio	Lower	Upper	
94	100		
65	31.0	7.3	47.3
66	54.7	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





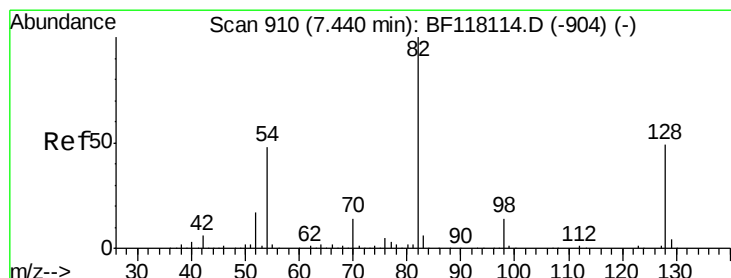
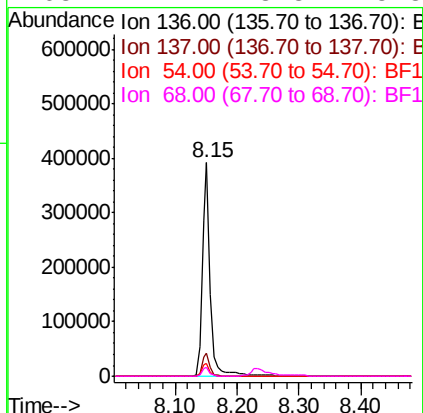
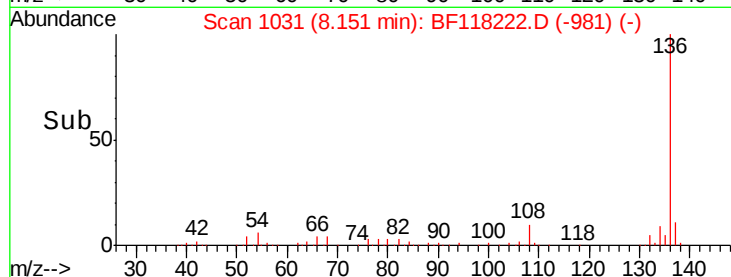
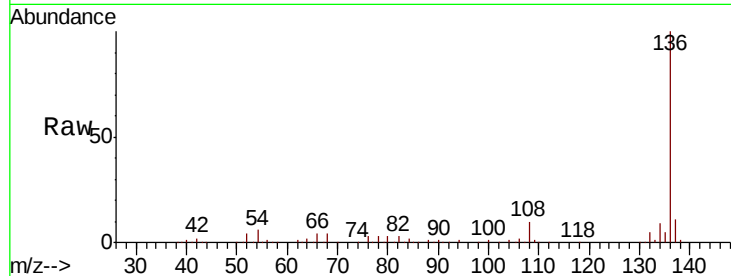
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampleId :
48-SPRUCE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.0	13.6	
54	5.8	5.0	7.6	
68	4.2	3.8	5.8	

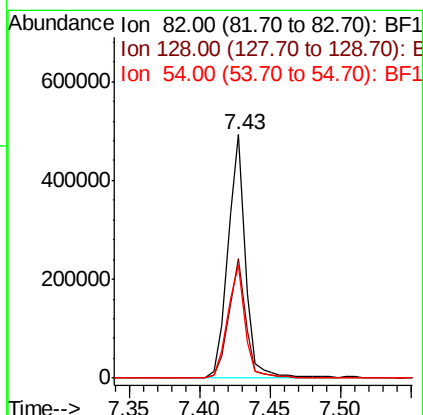
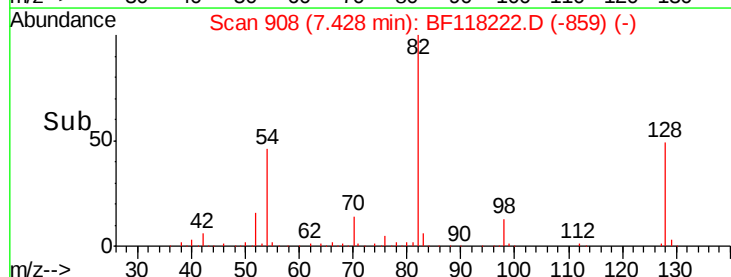
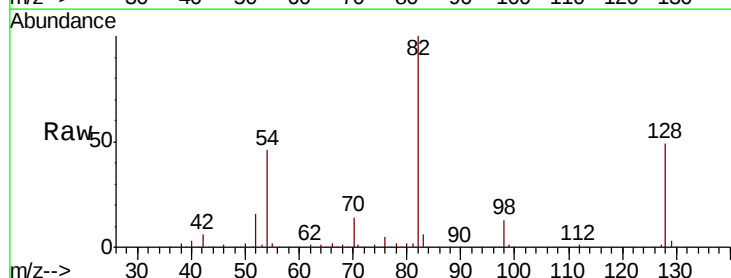
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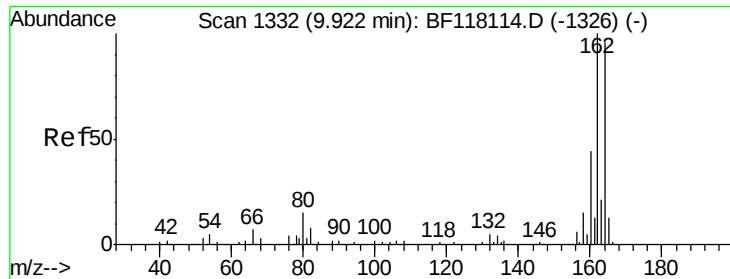
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#23
Nitrobenzene-d5
Concen: 66.931 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.0	39.1	58.7	
54	46.4	38.2	57.2	





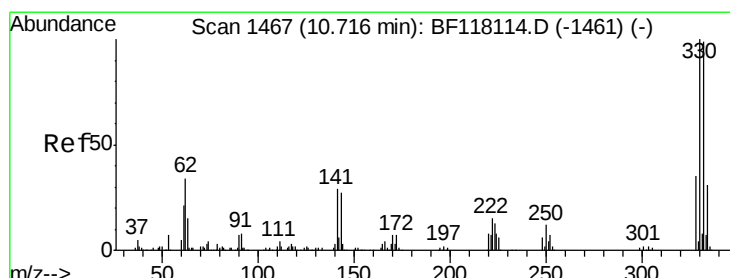
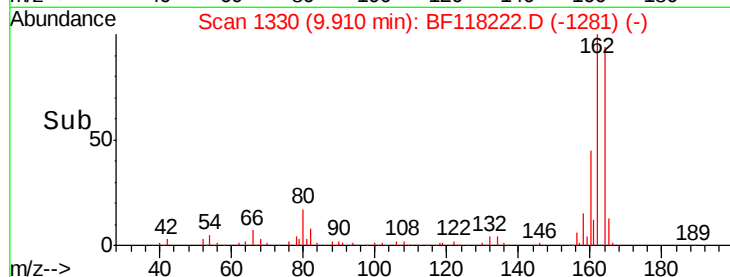
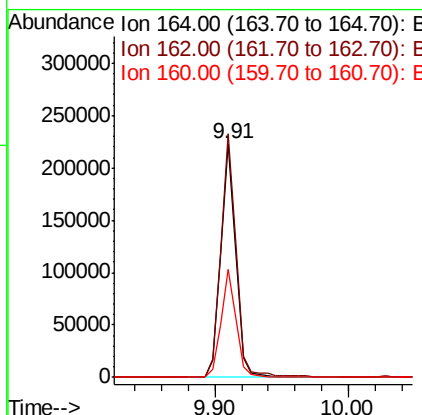
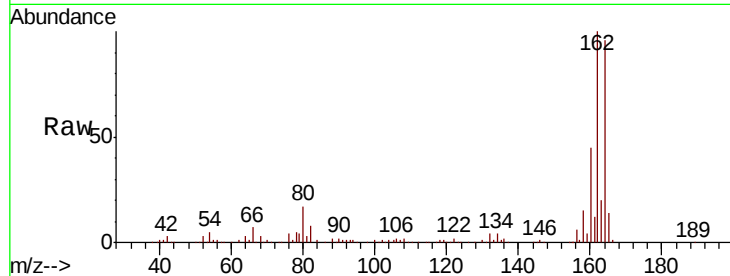
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF118222.D
 Acq: 17 Dec 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :
 48-SPRUCE

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	83.4	125.0	
160	46.4	36.6	54.8	

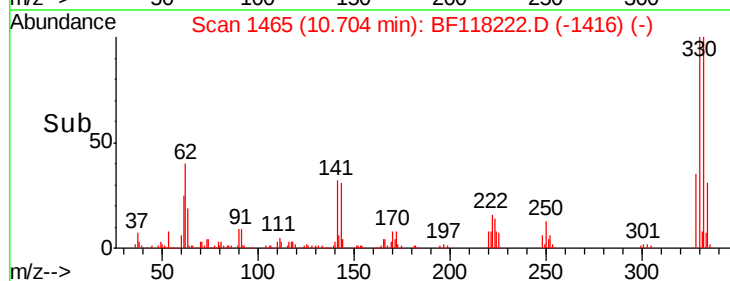
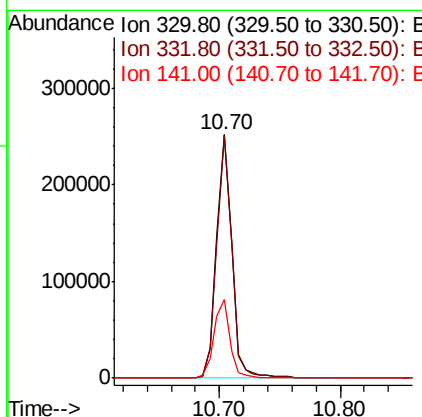
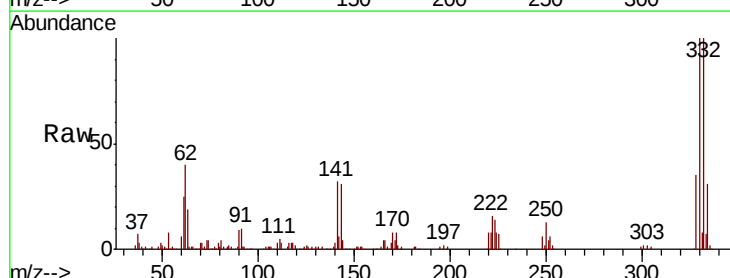
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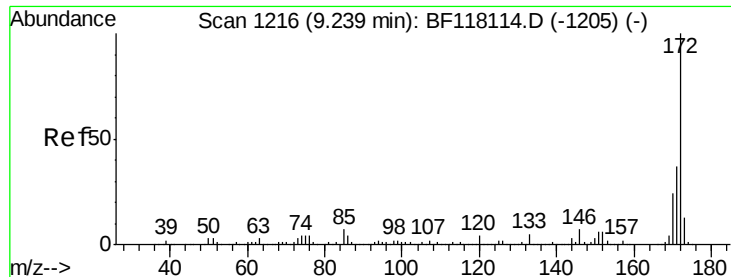
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#42
 2,4,6-Tribromophenol
 Concen: 100.944 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118222.D
 Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.0	78.1	117.1	
141	33.8	26.9	40.3	





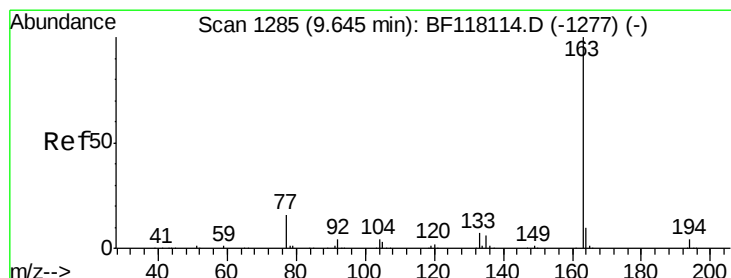
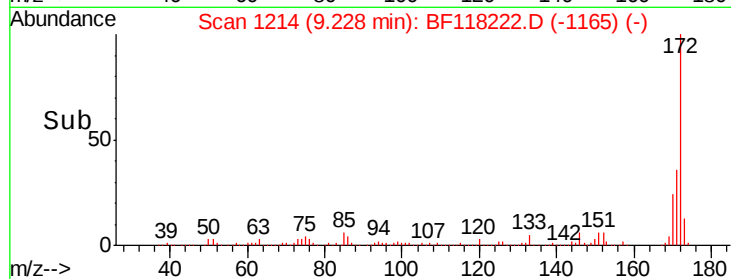
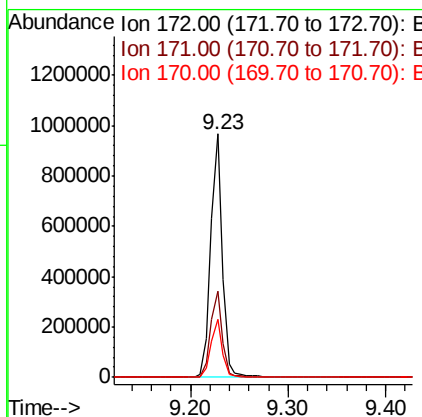
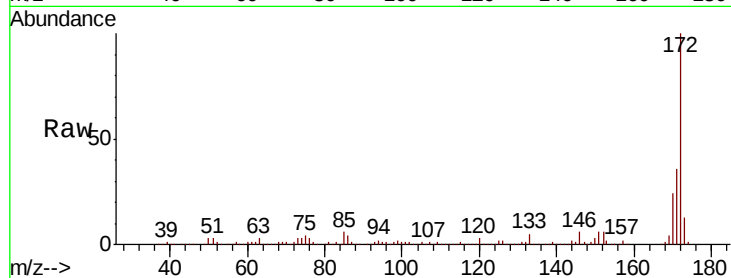
#45
2-Fluorobiphenyl
Concen: 68.528 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampleId :
48-SPRUCE

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.6	19.4	29.2

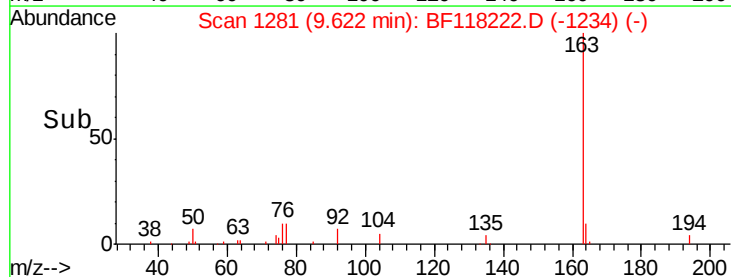
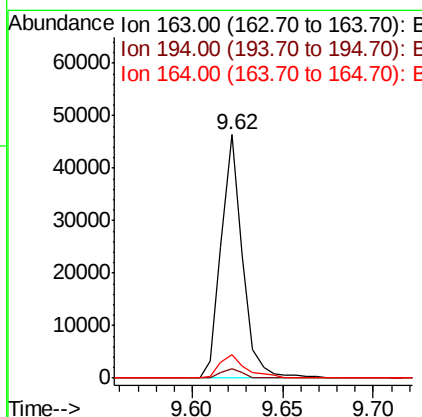
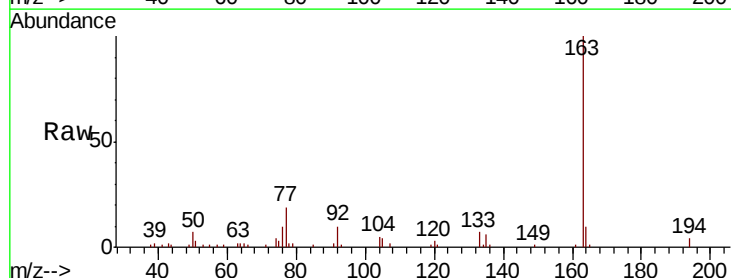
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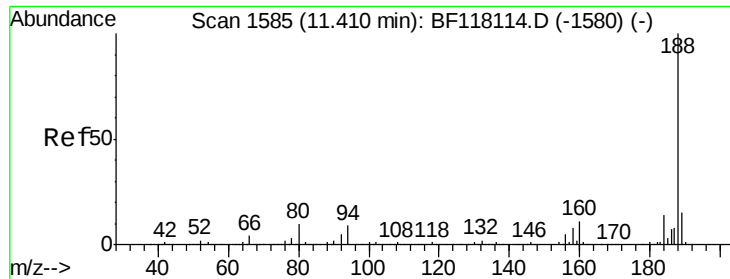
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#50
Dimethylphthalate
Concen: 2.885 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.8	7.7	11.5





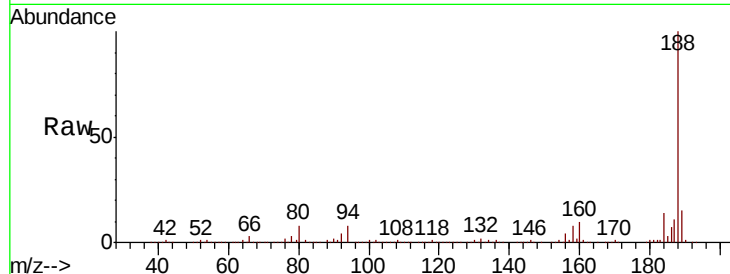
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
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ClientSampleId :
48-SPRUCE

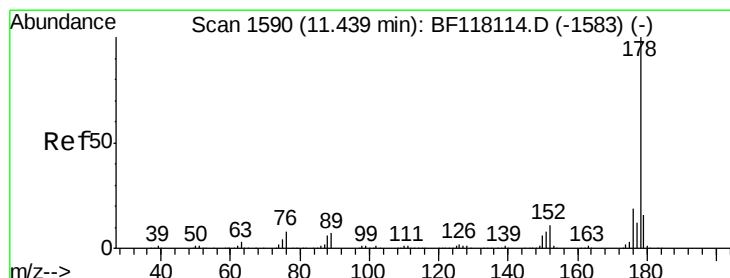
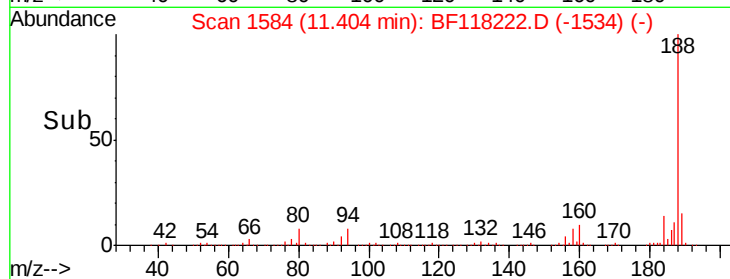
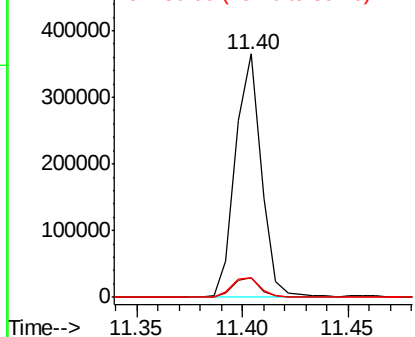
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	7.1	10.7
80	8.0	7.9	11.9

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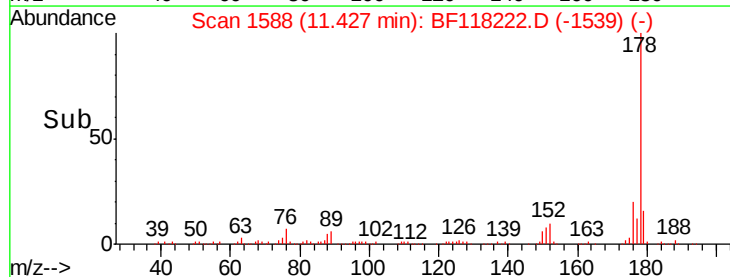
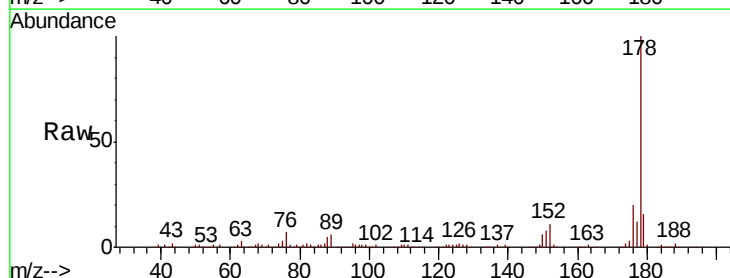
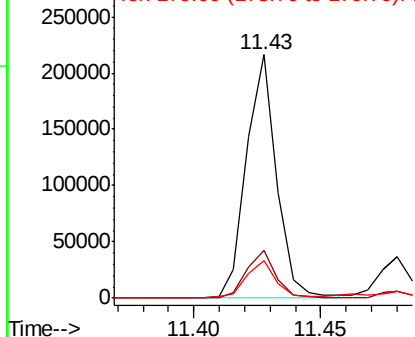
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

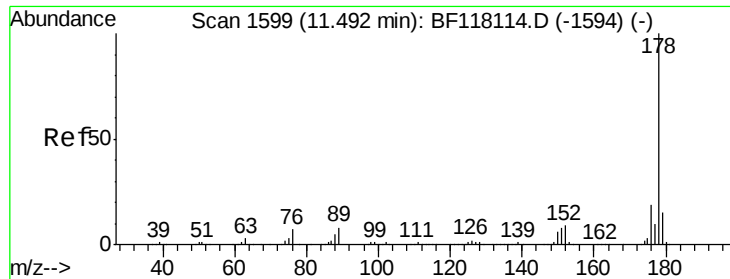


#71
Phenanthrene
Concen: 10.900 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.6	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





#72

Anthracene

Concen: 2.104 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF118222.D

Acq: 17 Dec 2019 3:14

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:178 Resp: 34429

Ion Ratio Lower Upper

178 100

176 17.5 15.0 22.6

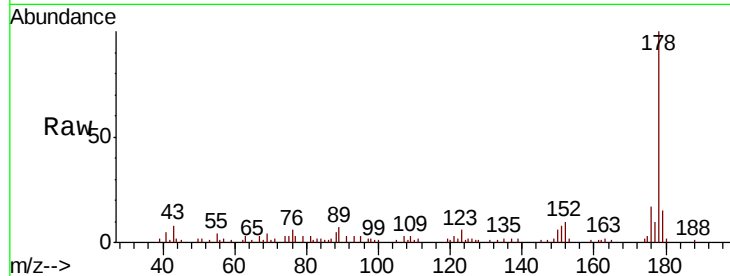
179 15.1 12.2 18.4

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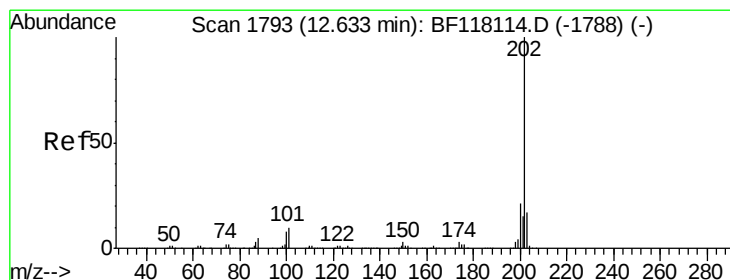
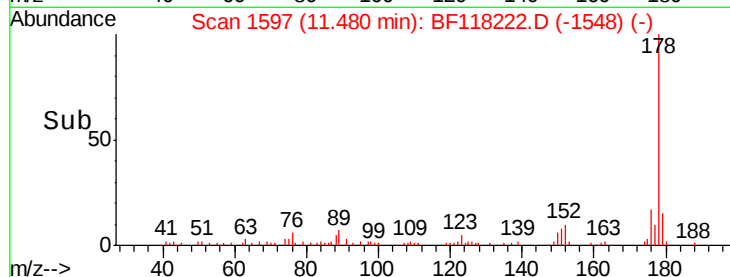
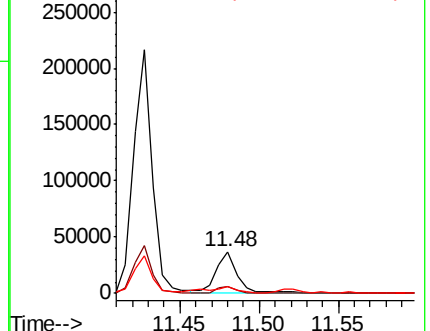
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 12.471 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF118222.D

Acq: 17 Dec 2019 3:14

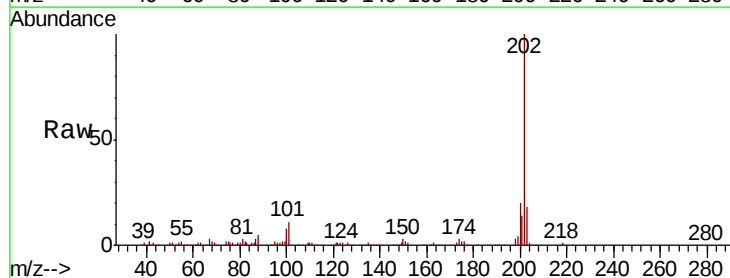
Tgt Ion:202 Resp: 209191

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.4

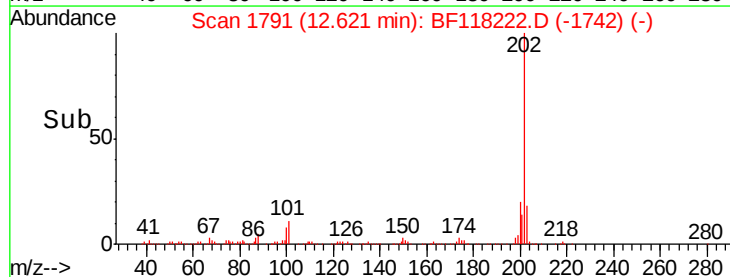
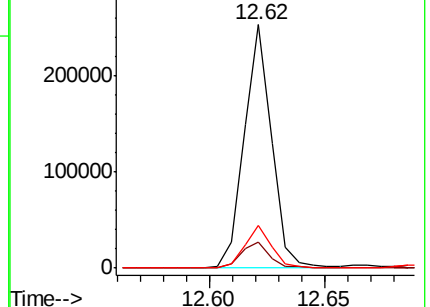
203 17.7 0.0 37.2

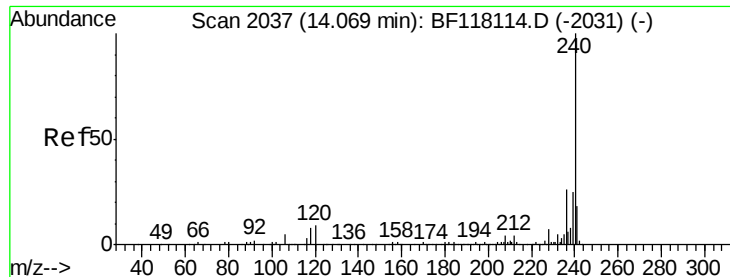


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





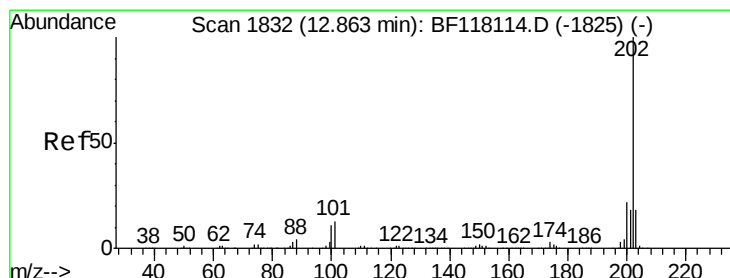
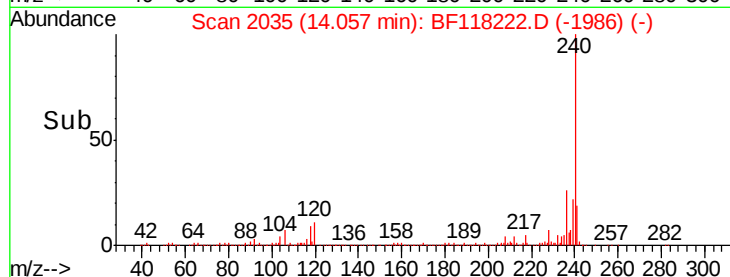
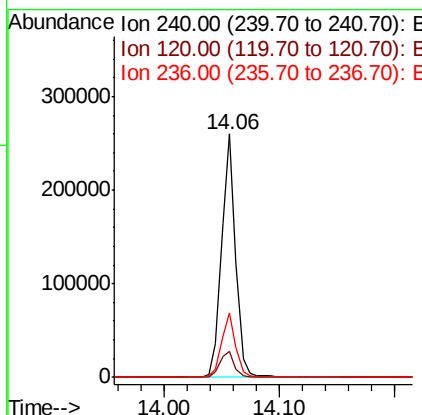
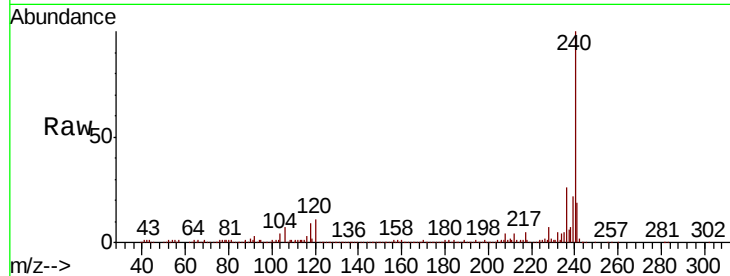
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampleId :
48-SPRUCE

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.1	10.7#
236	26.4	21.0	31.6

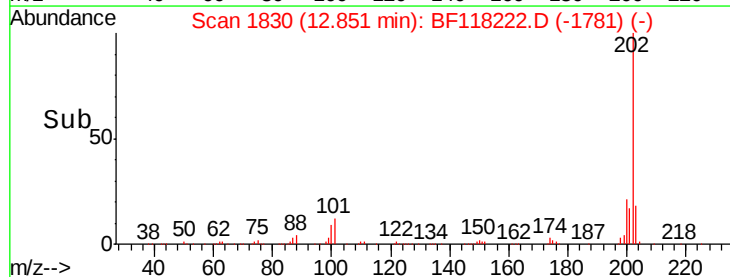
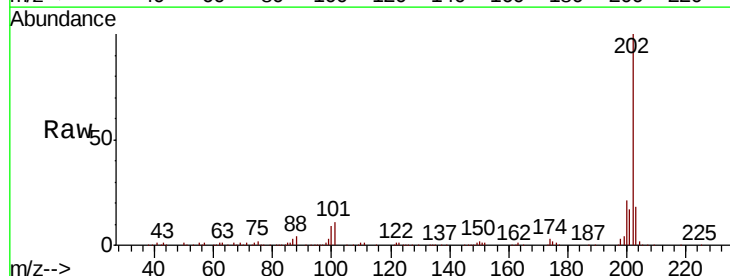
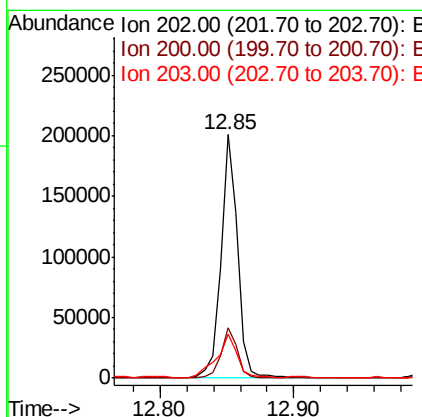
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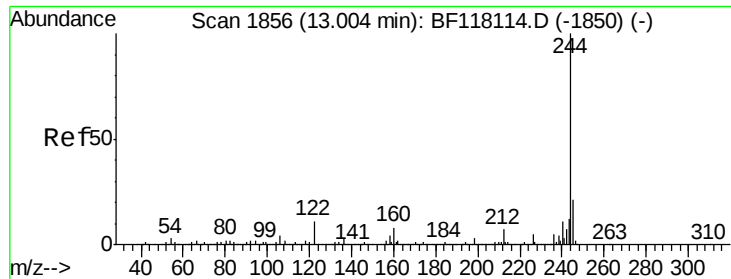
mohammad
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#78
Pyrene
Concen: 10.215 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.5	26.3
203	17.9	14.6	21.8





#79

Terphenyl-d14

Concen: 54.310 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118222.D

Acq: 17 Dec 2019 3:14

Instrument :

BNA_F

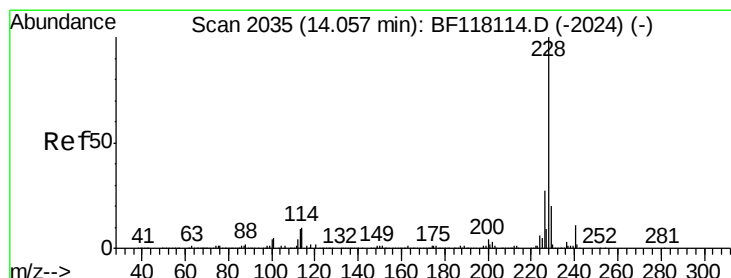
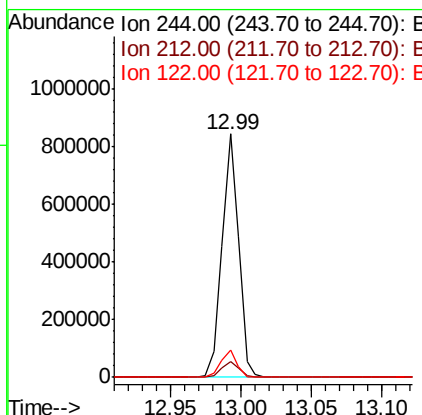
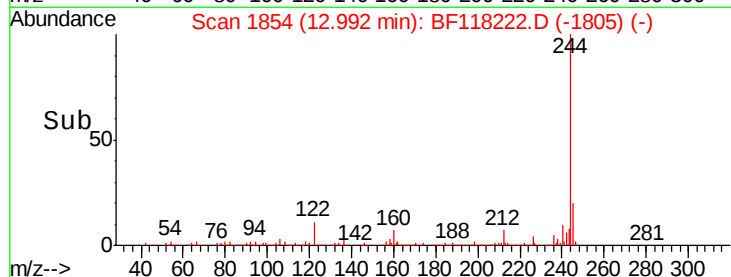
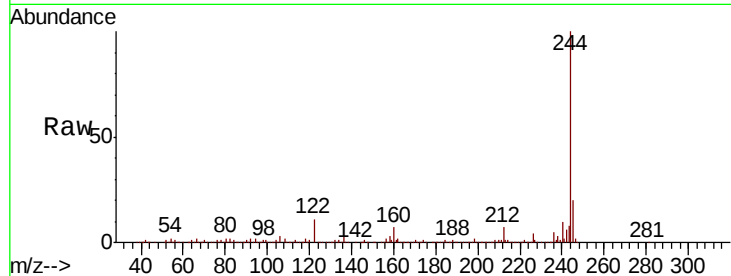
ClientSampled :

48-SPRUCE

Tot Ion:	244	Resp:	691773
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.9	8.9
122	11.1	9.0	13.6

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#81

Benzo(a)anthracene

Concen: 6.316 ng

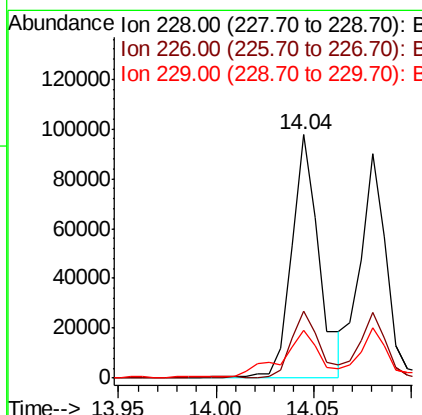
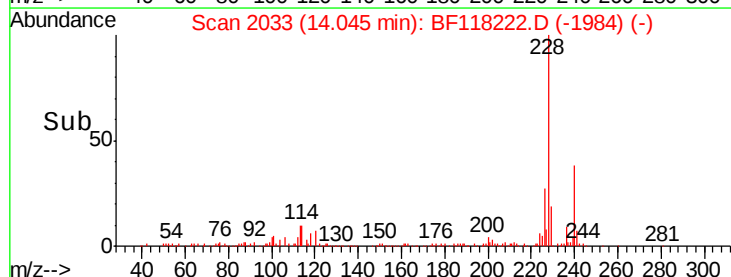
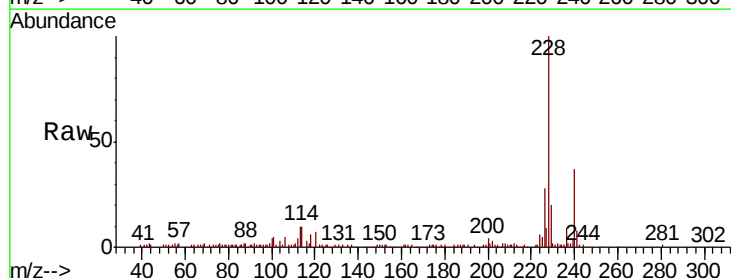
RT: 14.04 min Scan# 2033

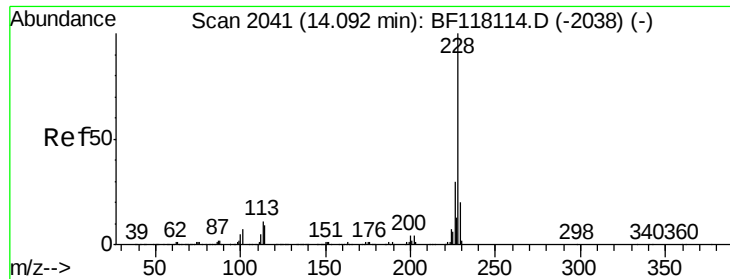
Delta R.T. -0.01 min

Lab File: BF118222.D

Acq: 17 Dec 2019 3:14

Tgt Ion:	228	Resp:	95668
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.8	32.8
229	19.5	15.8	23.8





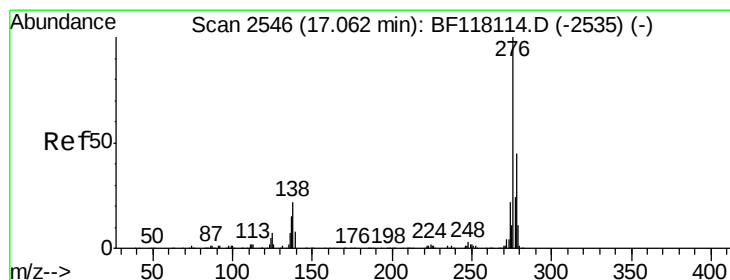
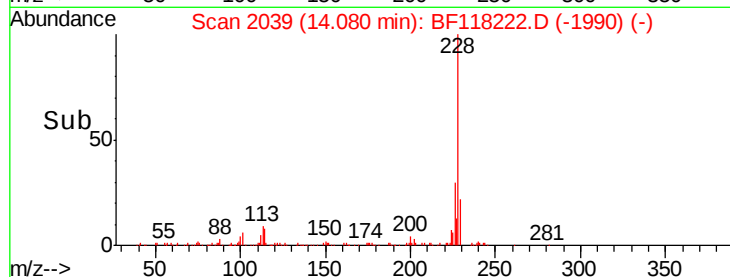
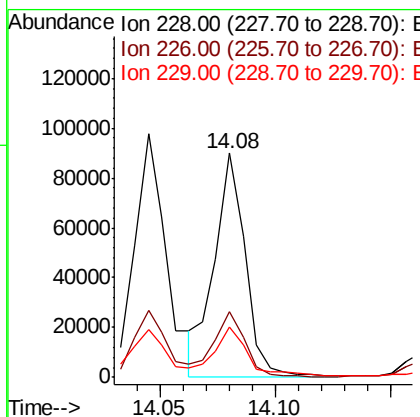
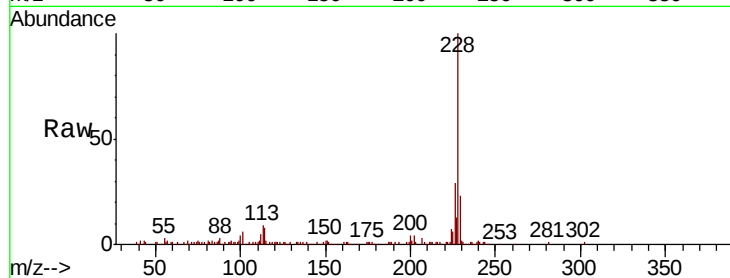
#83
Chrysene
Concen: 5.790 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampleId :
48-SPRUCE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.8
229	22.5	15.7	23.5

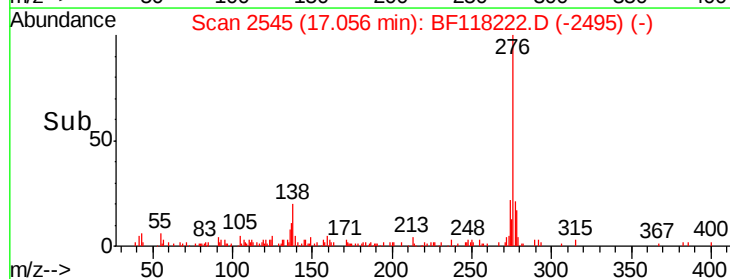
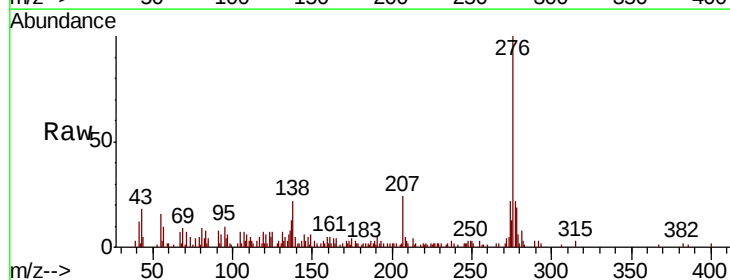
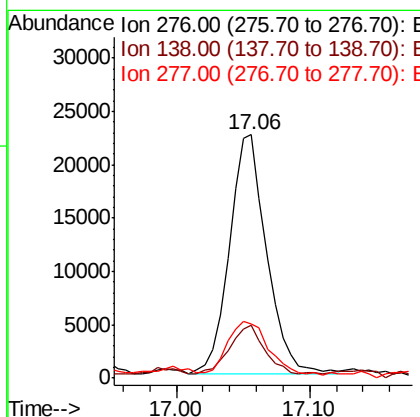
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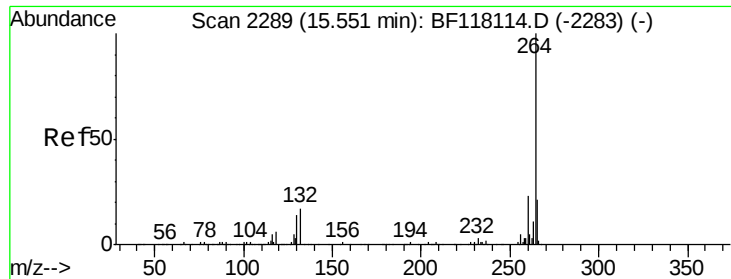
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.557 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.9	28.3
277	24.3	20.4	30.6





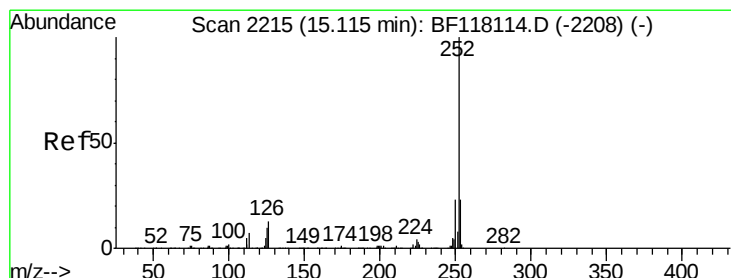
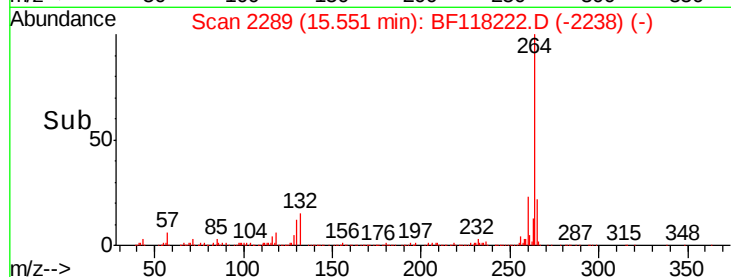
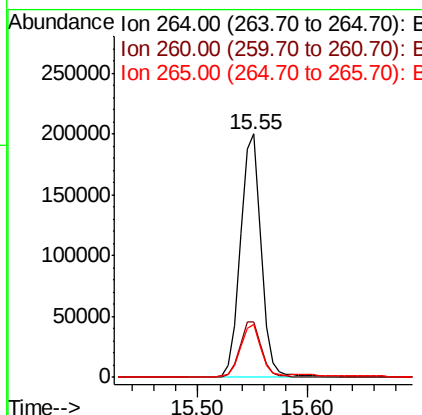
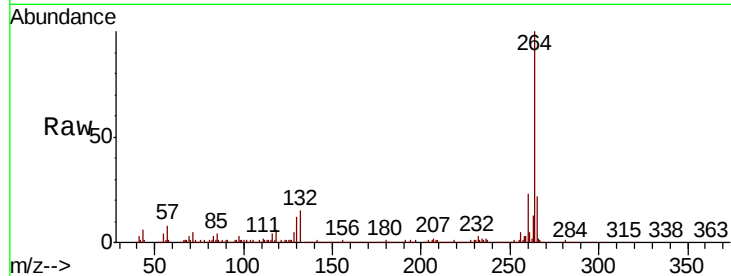
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampleId :
48-SPRUCE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.8	16.8	25.2

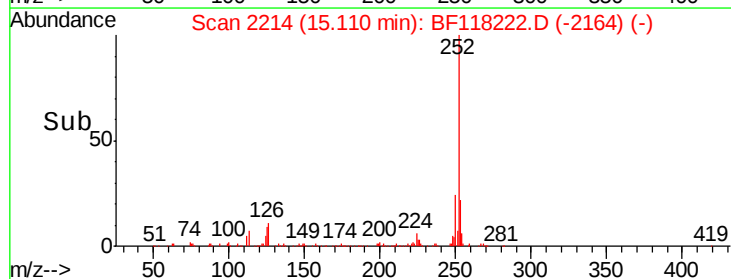
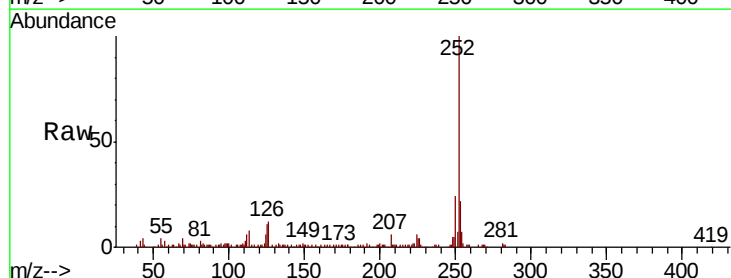
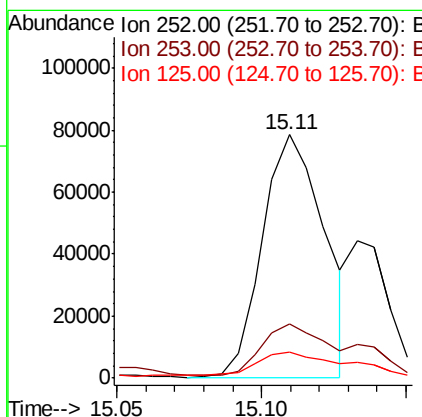
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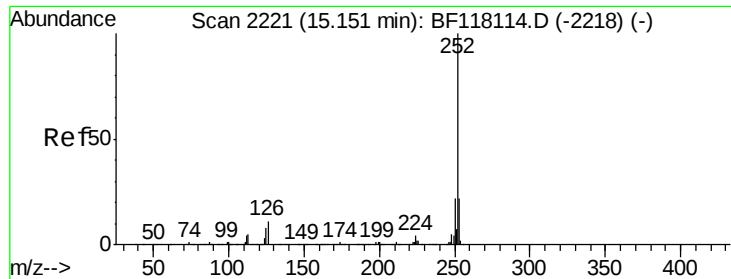
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#88
Benzo(b)fluoranthene
Concen: 6.725 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	10.6	8.3	12.5





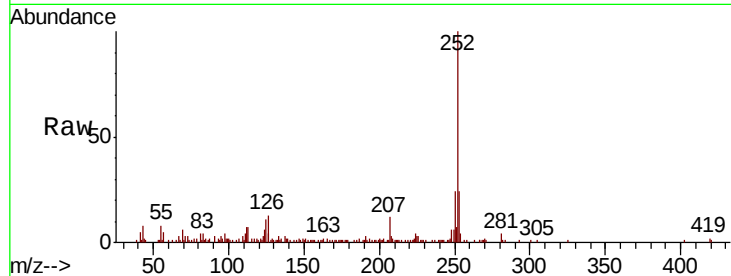
#89
Benzo(k)fluoranthene
Concen: 2.529 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.02 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampled :
48-SPRUCE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	11.2	6.7	10.1

Manual Integrations
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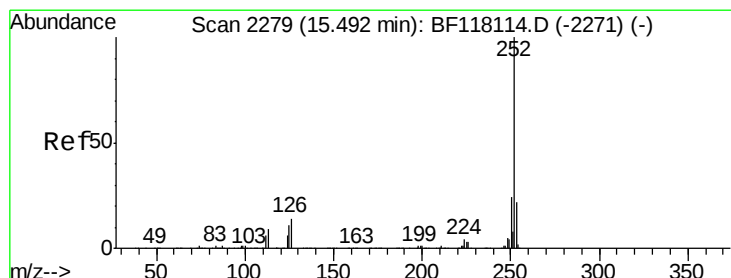
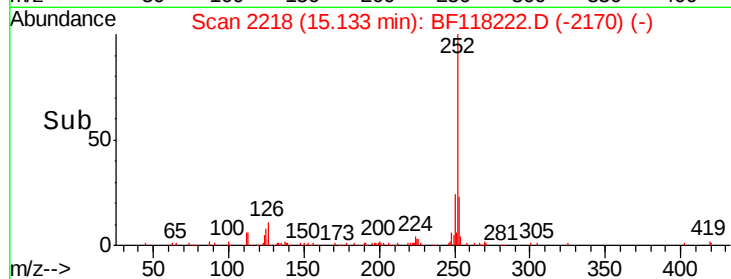
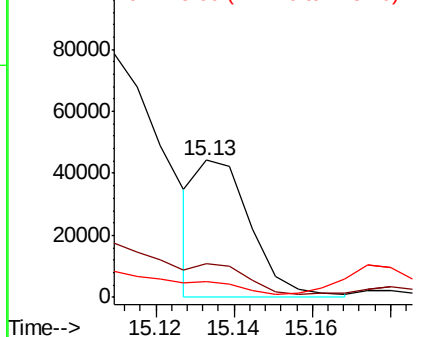


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 5.195 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

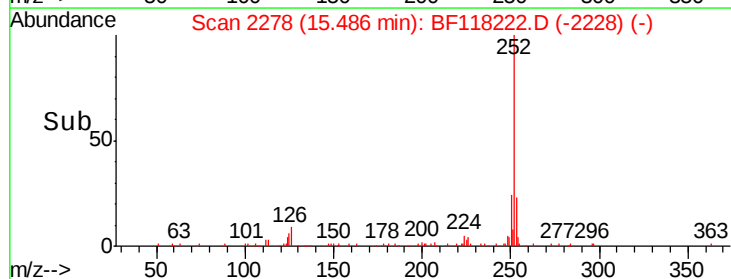
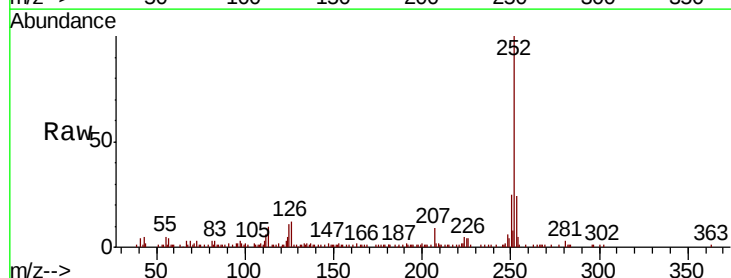
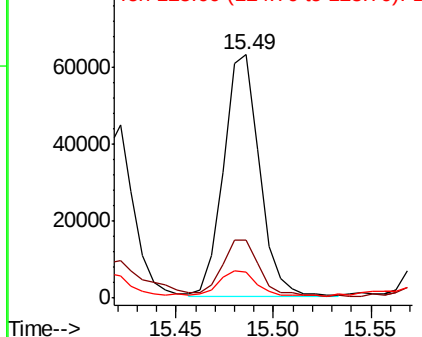
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	10.8	9.1	13.7

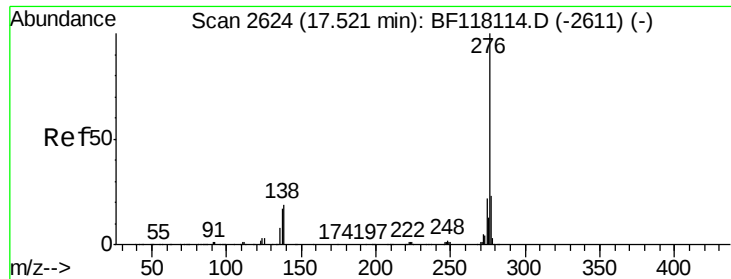
Abundance

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(a,h,i)perylene
 Concen: 2.976 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: BF118222.D
 Acq: 17 Dec 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :
 48-SPRUCE

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.9	18.2	27.4#
138	20.3	15.5	23.3

Manual Integrations
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