

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117918.D
 Acq On : 21 Nov 2019 17:54
 Operator : JU
 Sample : K5865-15RX
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-(16-18)RX

Manual Integrations
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Quant Time: Nov 22 00:45:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	114137	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	454930	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	243985	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	482646	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	371147	20.00	ng	-0.01
87) Perylene-d12	15.62	264	420142	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	231781	35.95	ng	-0.01
7) Phenol-d6	6.53	99	791036	101.71	ng	-0.01
23) Nitrobenzene-d5	7.47	82	534996	69.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	3697	1.43	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1124972	82.72	ng	-0.01
79) Terphenyl-d14	13.05	244	1526848	75.19	ng	0.00
Target Compounds						
31) Naphthalene	8.22	128	48716	2.297	ng	97
50) Dimethylphthalate	9.67	163	106613	6.231	ng	98
71) Phenanthrene	11.48	178	204514	8.428	ng	97
72) Anthracene	11.53	178	65701	2.731	ng	97
75) Fluoranthene	12.67	202	219605	2.898	ng	98
78) Pyrene	12.90	202	183910	6.131	ng	99
81) Benzo(a)anthracene	14.09	228	82498	3.364	ng	99
83) Chrysene	14.13	228	65841	2.770	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	40886	2.021	ng	94
88) Benzo(b)fluoranthene	15.16	252	80239m	2.940	ng	
90) Benzo(a)pyrene	15.54	252	65018	2.709	ng	96

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

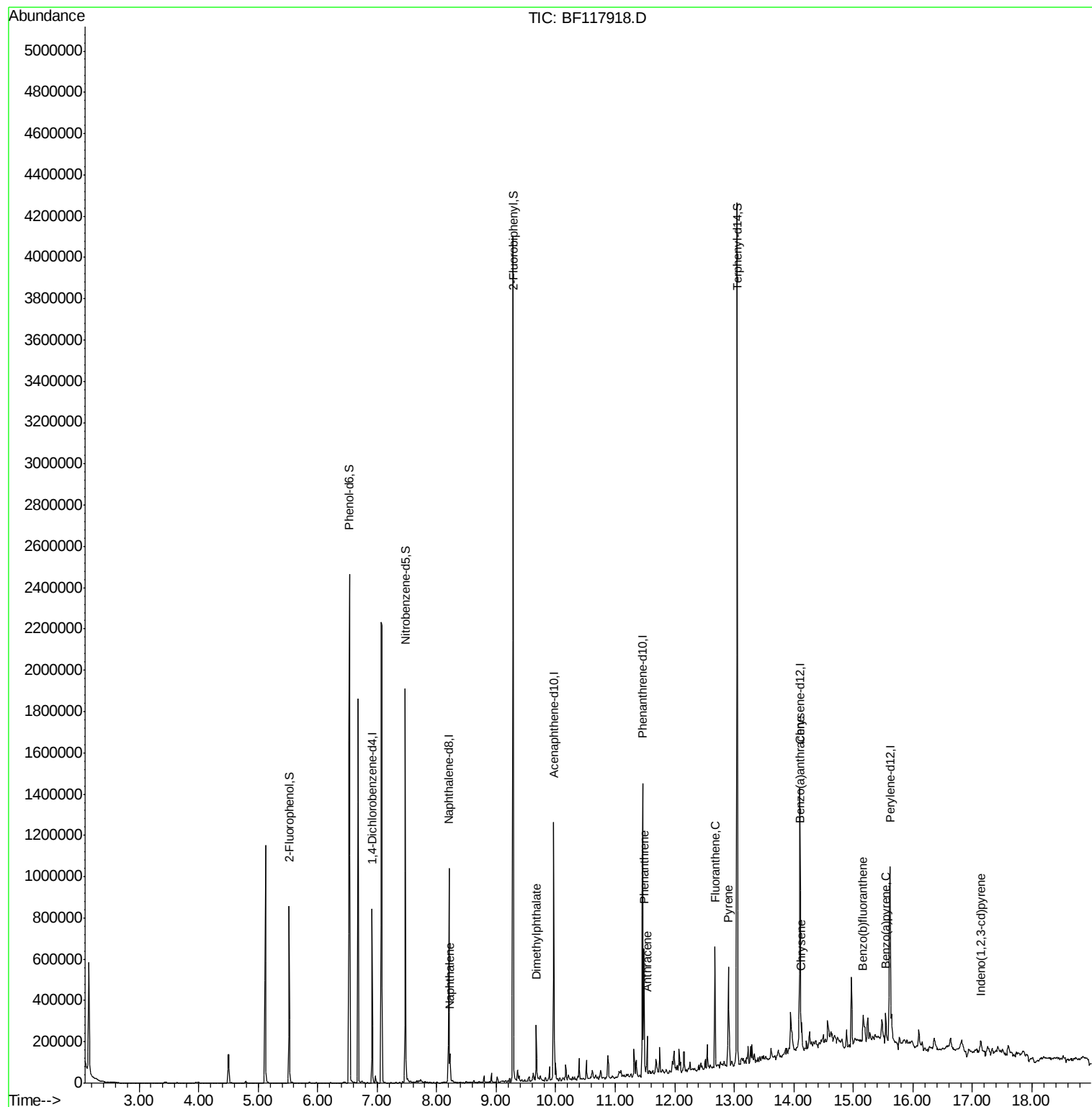
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
Data File : BF117918.D
Acq On : 21 Nov 2019 17:54
Operator : JU
Sample : K5865-15RX
Misc :
ALS Vial : 20 Sample Multiplier: 1

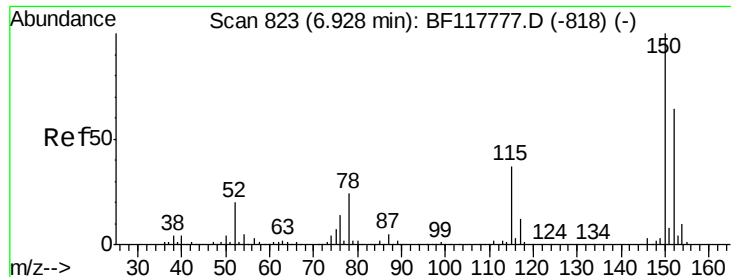
Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

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Quant Time: Nov 22 00:45:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration





#1

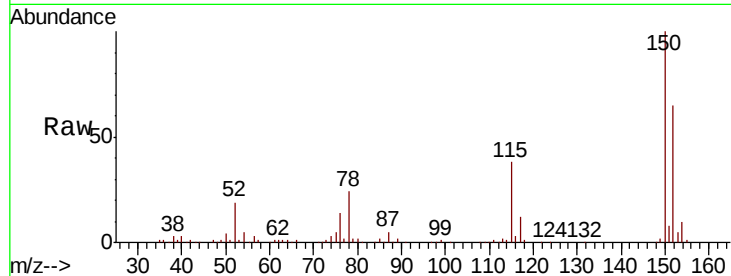
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.3	187.9
115	58.5	47.0	70.4

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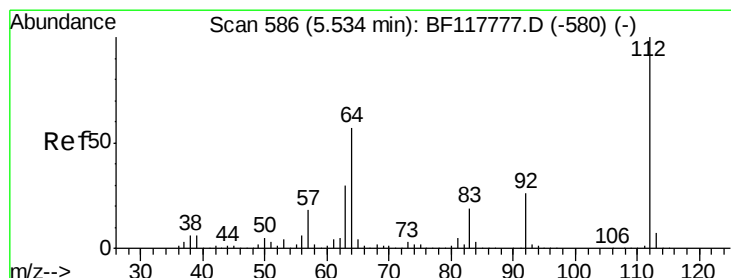
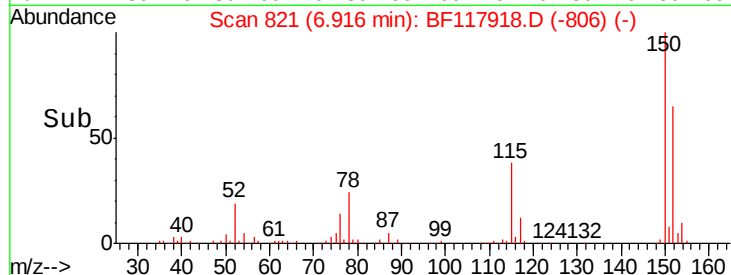
Abundance

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

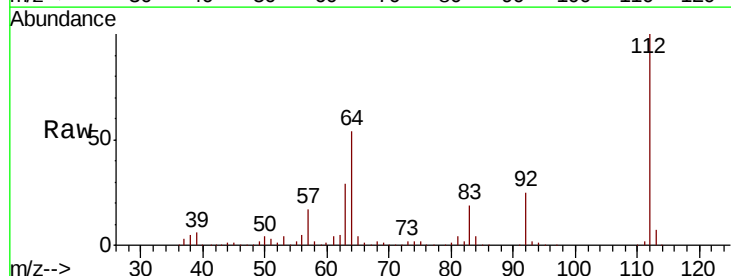
Time-->



#5

2-Fluorophenol
Concen: 35.946 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	45.6	68.4
63	29.0	24.1	36.1



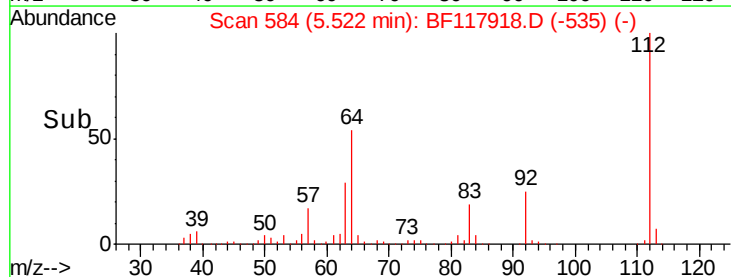
Abundance

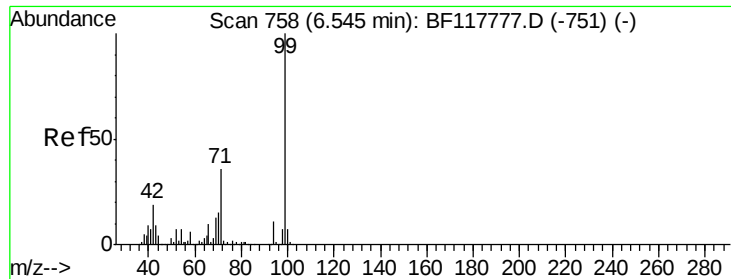
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 101.710 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Instrument :

BNA_F

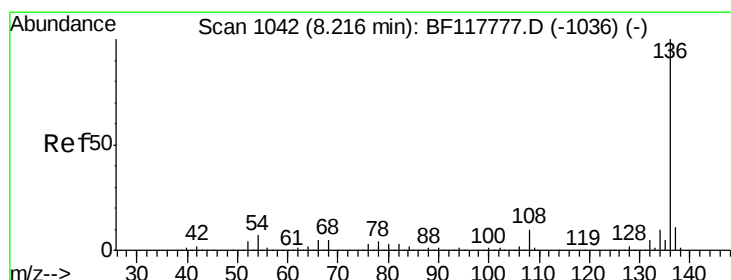
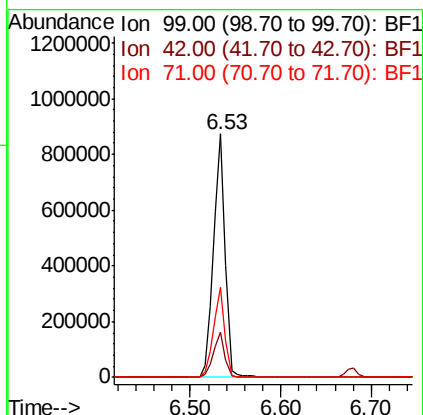
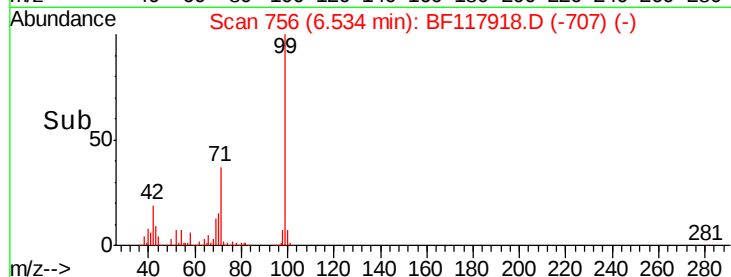
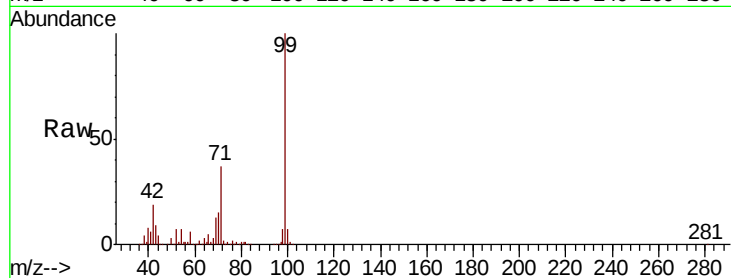
ClientSampleId :

3-(16-18)RX

Tot Ion:	99	Resp:	791036
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.9	22.3
71	36.9	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

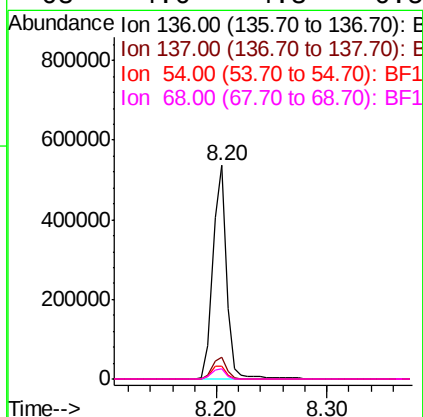
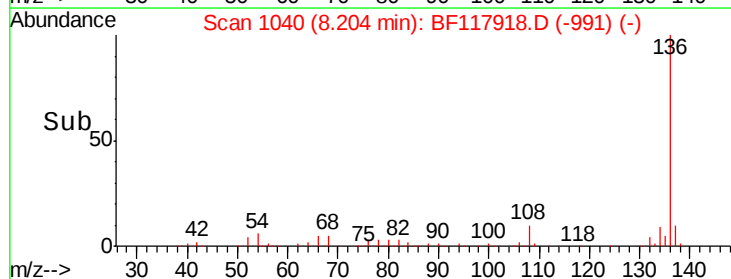
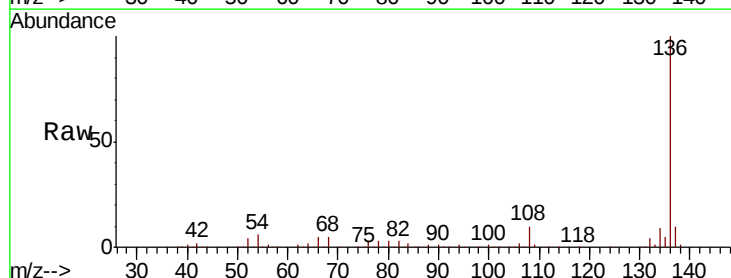
RT: 8.20 min Scan# 1040

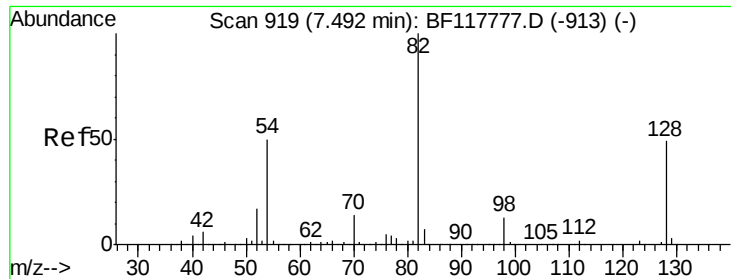
Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Tgt Ion:	136	Resp:	454930
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	6.3	5.4	8.2
68	4.6	4.3	6.5





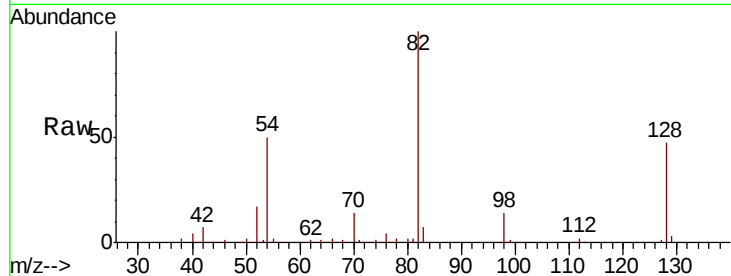
#23
 Nitrobenzene-d5
 Concen: 69.908 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

Instrument :
 BNA_F
 ClientSampleId :
 3-(16-18)RX

Tot Ion	Ratio	Resp	Lower	Upper
82	100	534996		
128	46.8		38.9	58.3
54	50.4		39.8	59.6

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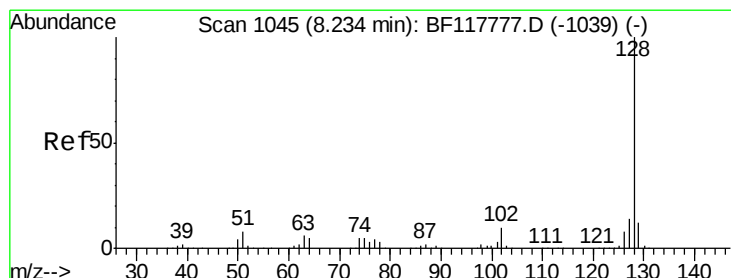
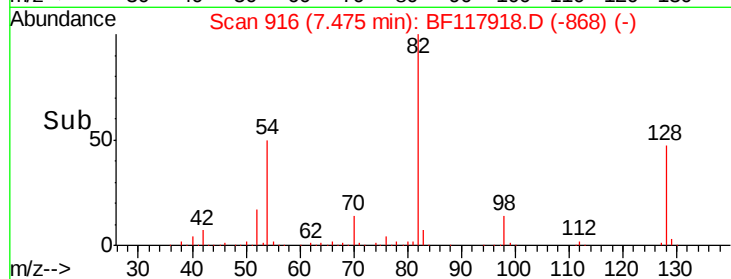
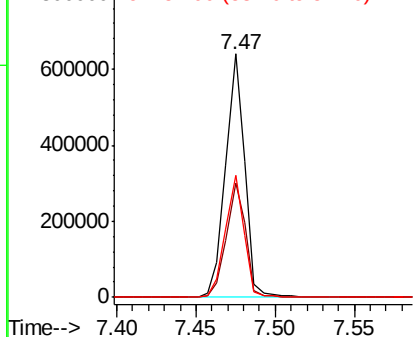


Abundance

Ion 82.00 (81.70 to 82.70): BF1

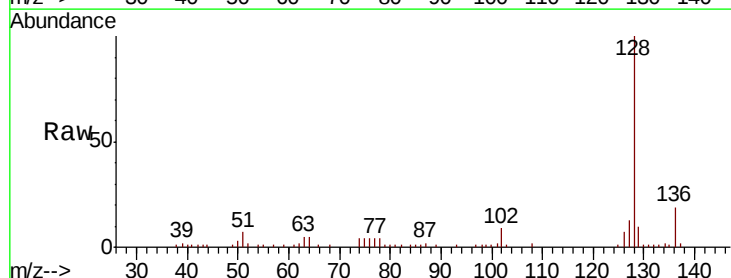
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#31
 Naphthalene
 Concen: 2.297 ng
 RT: 8.22 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	48716		
129	10.4		9.5	14.3
127	12.9		11.3	16.9

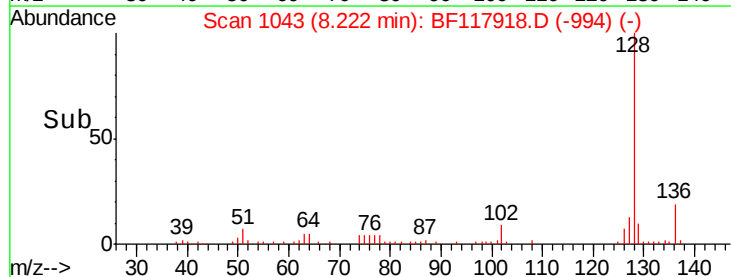
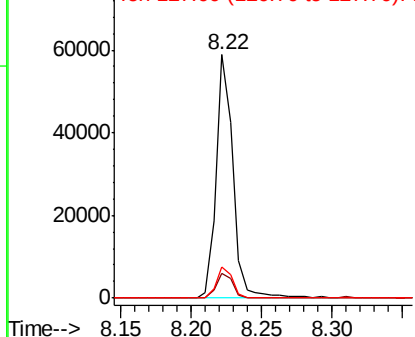


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





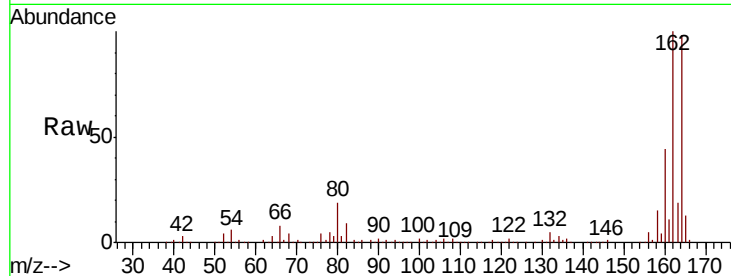
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

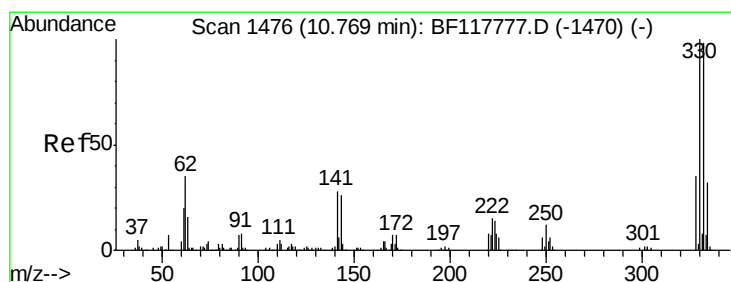
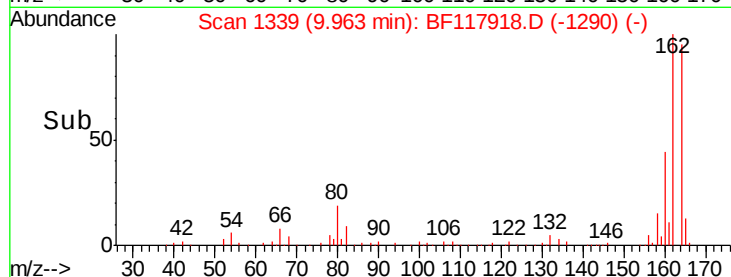
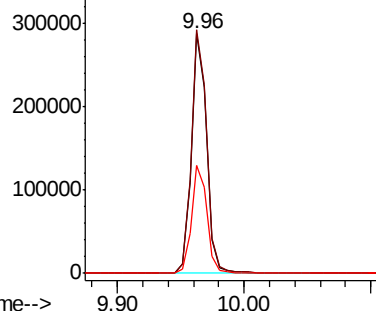
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	81.3	121.9	
160	44.8	36.6	55.0	

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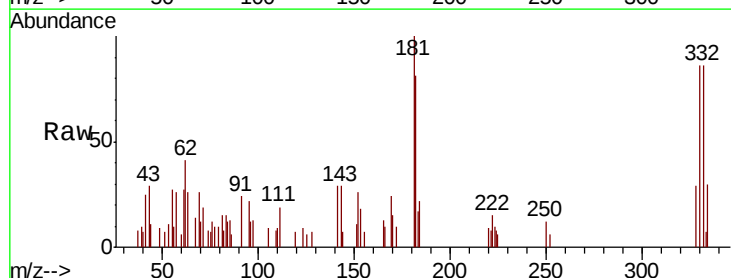


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

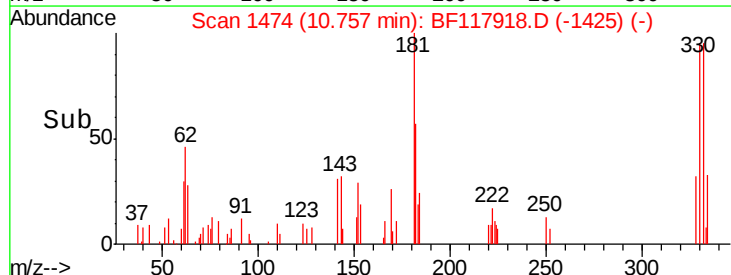
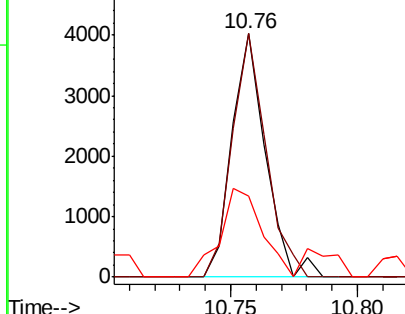


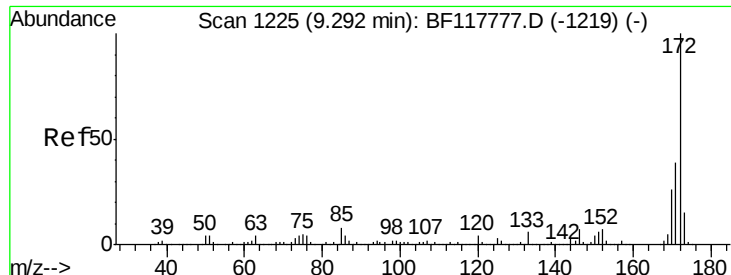
#42
2,4,6-Tribromophenol
Concen: 1.431 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.9	76.7	115.1	
141	45.2	27.7	41.5	



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





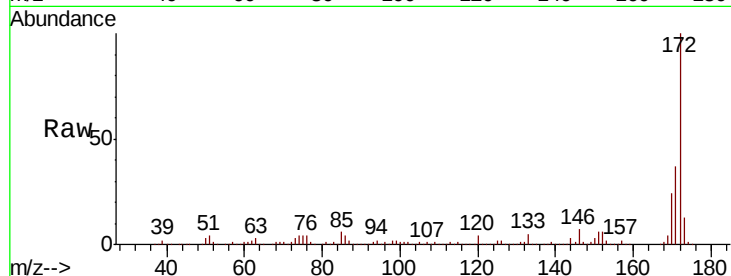
#45
2-Fluorobiphenyl
Concen: 82.720 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.9	46.3
170	24.1	21.0	31.4

Manual Integrations
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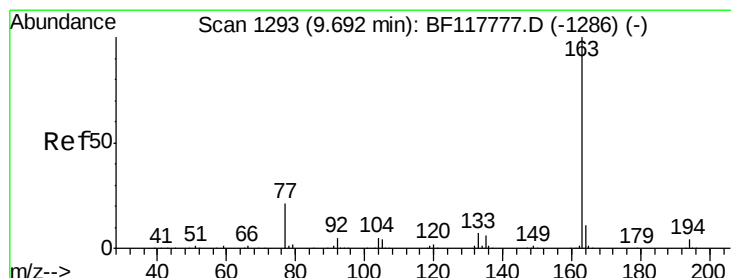
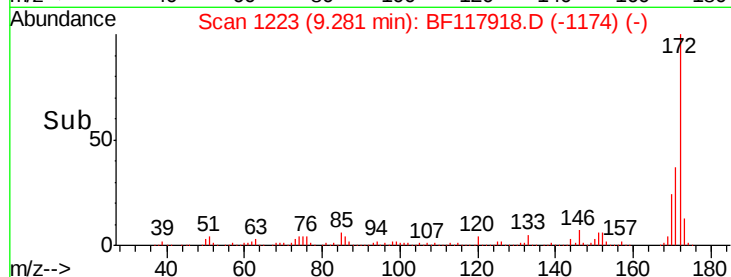
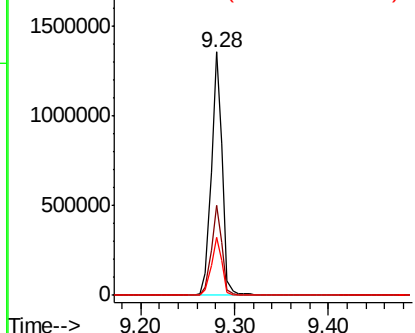


Abundance

Ion 172.00 (171.70 to 172.70): E

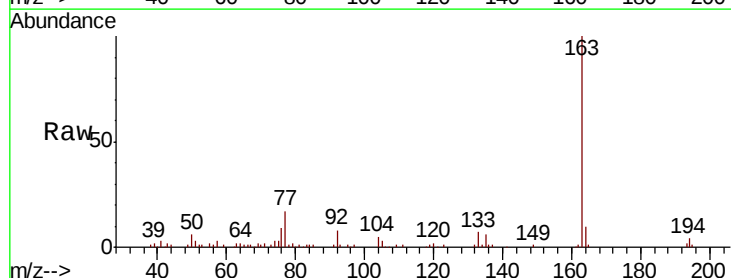
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 6.231 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.2	8.7	13.1

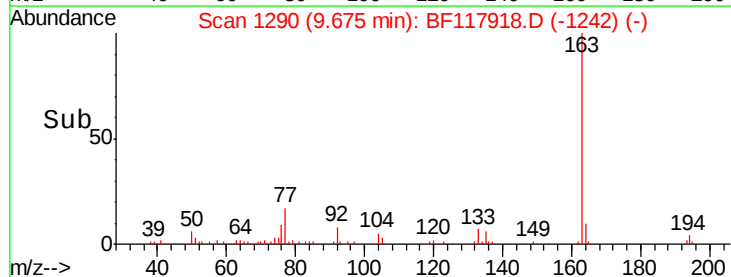
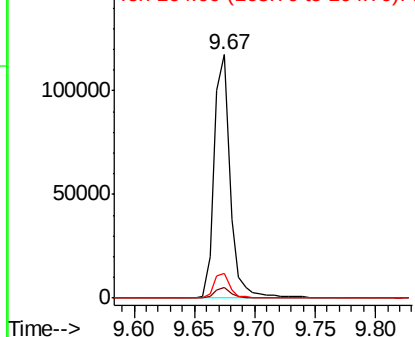


Abundance

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





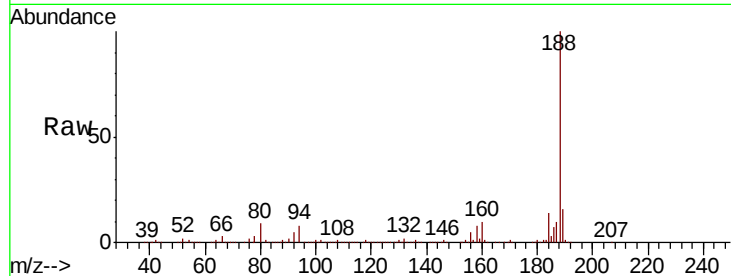
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

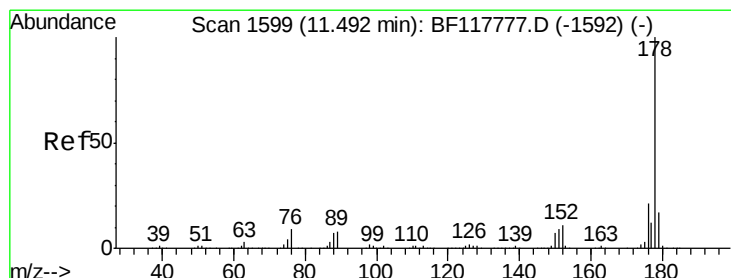
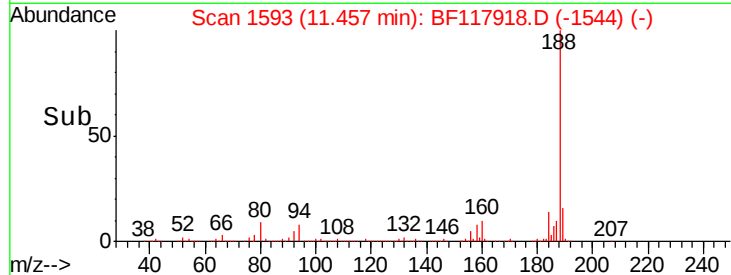
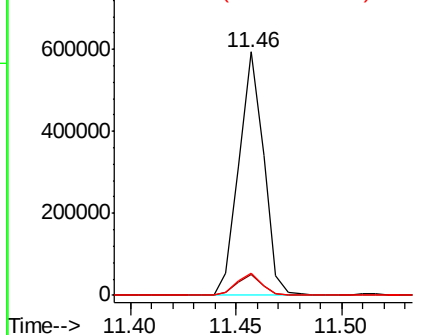
Tot Ion	Ratio	Resp	Lower	Upper
188	100	482646		
94	8.4		6.6	10.0
80	9.2		7.2	10.8

Manual Integrations
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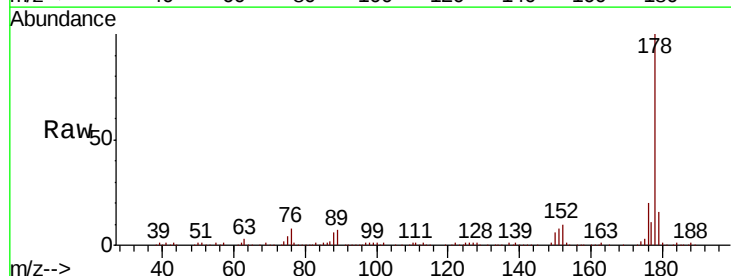


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

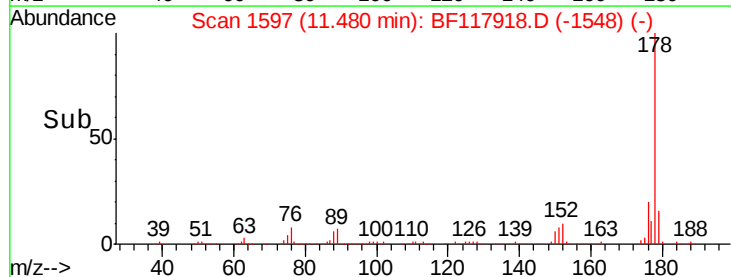
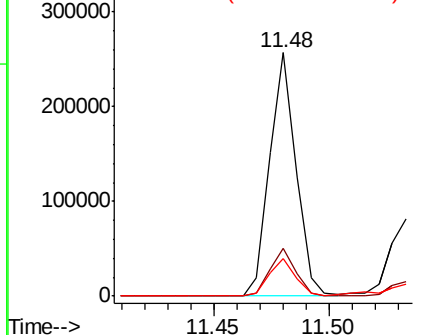


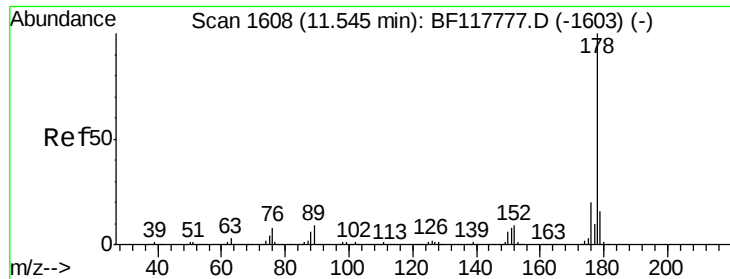
#71
Phenanthrene
Concen: 8.428 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	204514		
176	19.5		16.6	25.0
179	15.5		13.2	19.8



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





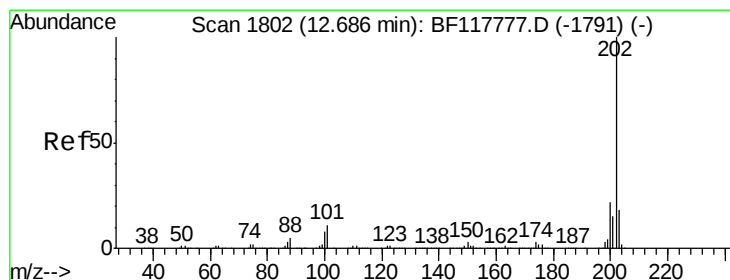
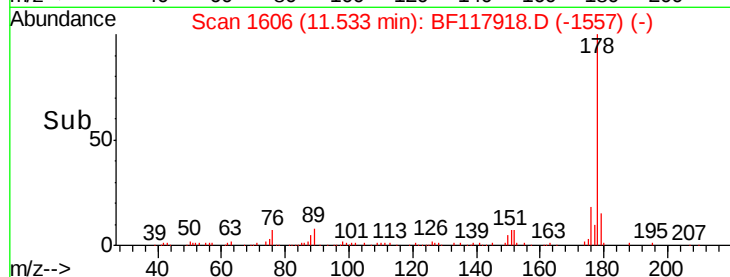
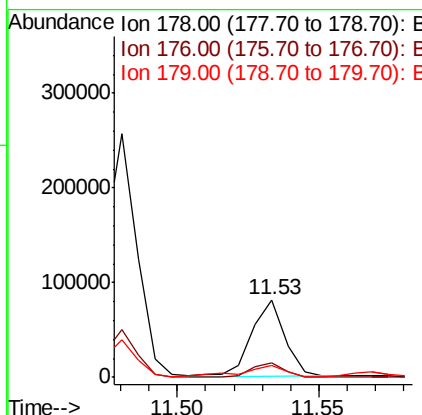
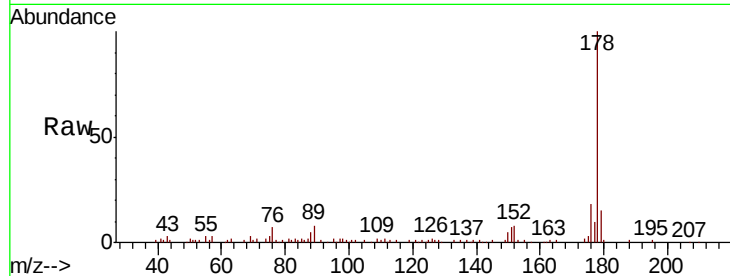
#72
 Anthracene
 Concen: 2.731 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

Instrument :
 BNA_F
 ClientSampleId :
 3-(16-18)RX

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.1	24.1
179	15.0	13.0	19.4

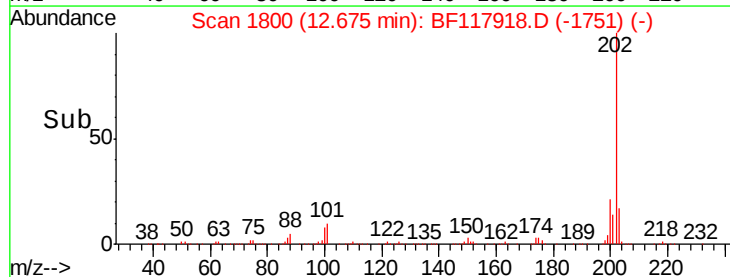
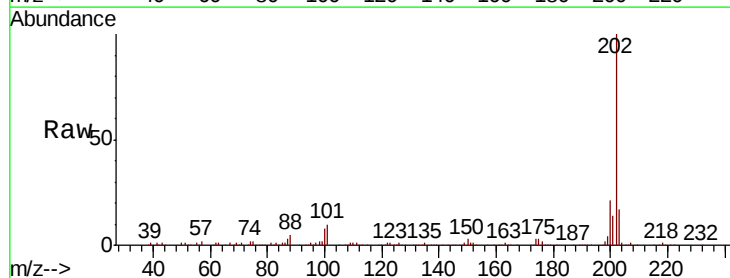
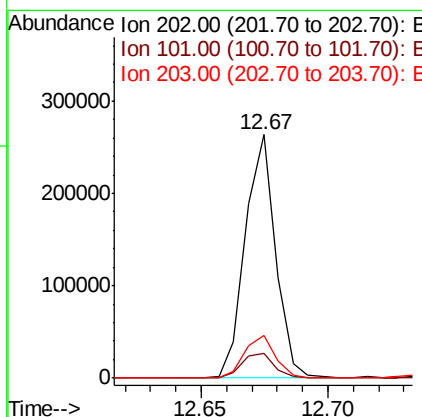
Manual Integrations
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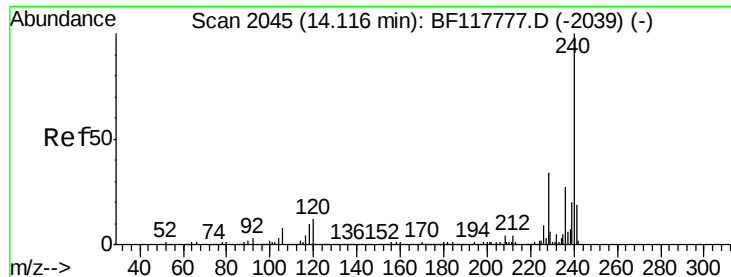
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#75
 Fluoranthene
 Concen: 2.898 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.1
203	17.3	0.0	38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Instrument :

BNA_F

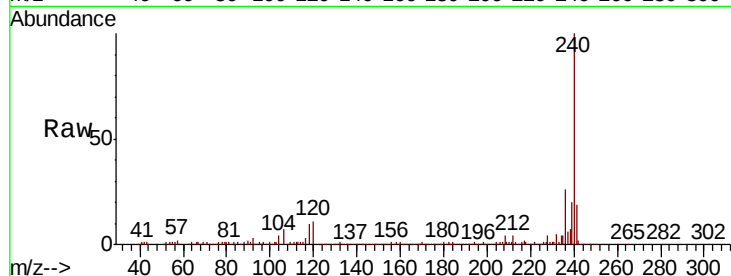
ClientSampleId :

3-(16-18)RX

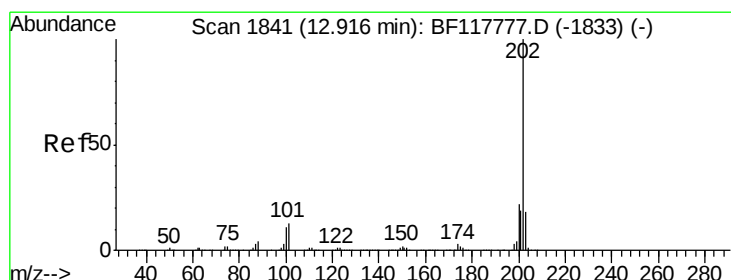
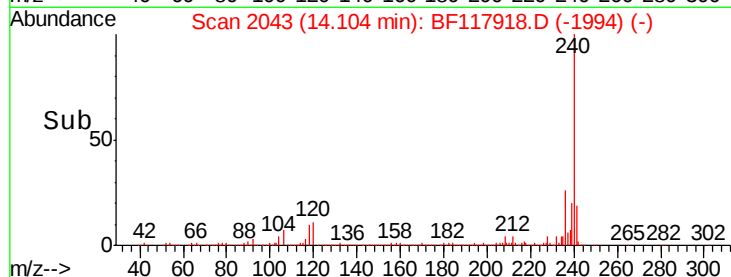
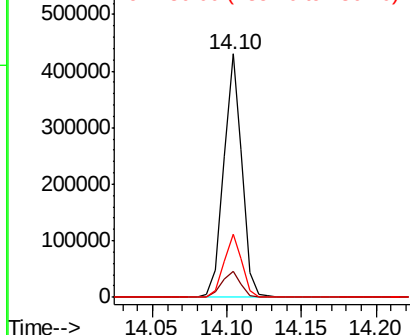
Tot Ion:	240	Resp:	371147
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	26.2	21.3	31.9

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 6.131 ng

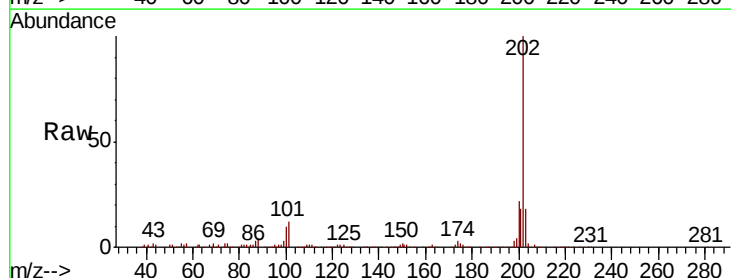
RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

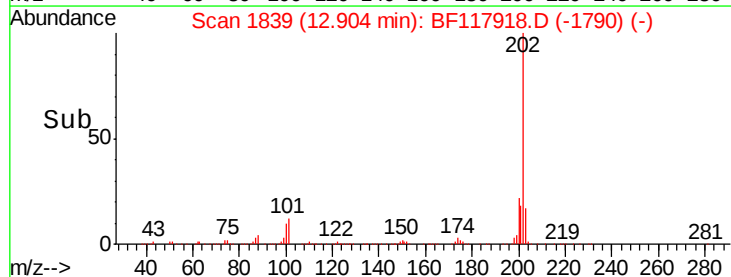
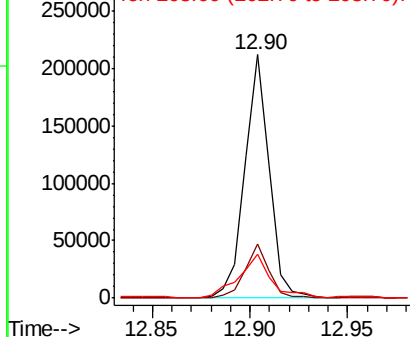
Lab File: BF117918.D

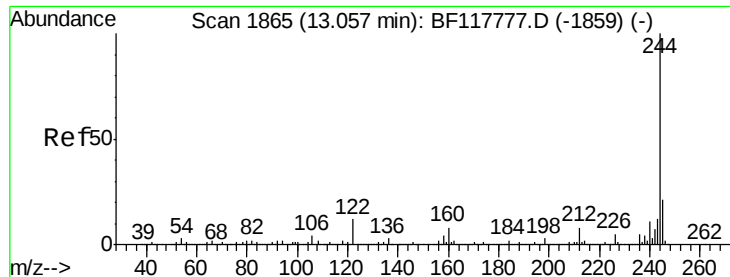
Acq: 21 Nov 2019 17:54

Tgt Ion:	202	Resp:	183910
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.8	26.8
203	17.8	14.6	22.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





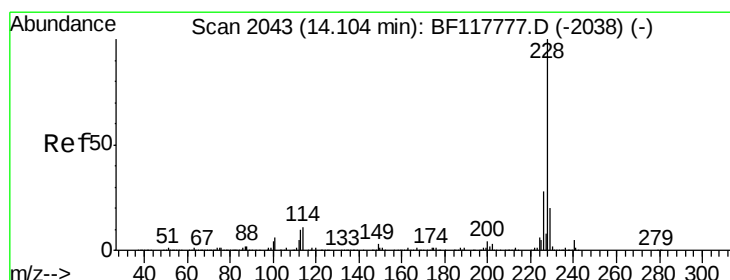
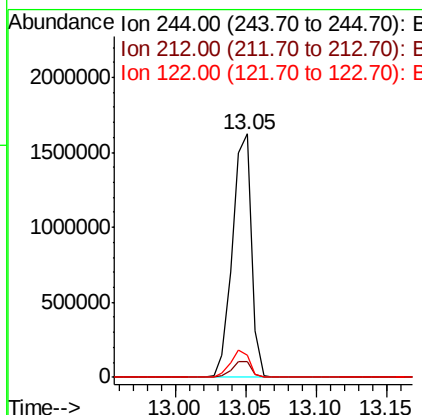
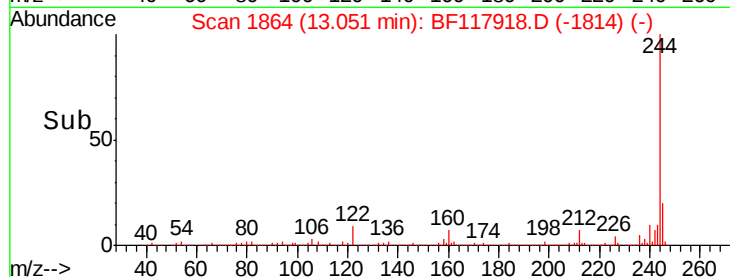
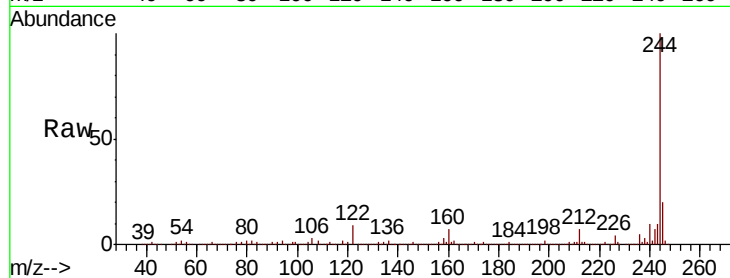
#79
 Terphenyl-d14
 Concen: 75.185 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

Instrument :
 BNA_F
 ClientSampleId :
 3-(16-18)RX

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.3	9.5
122	9.2	9.4	14.2#

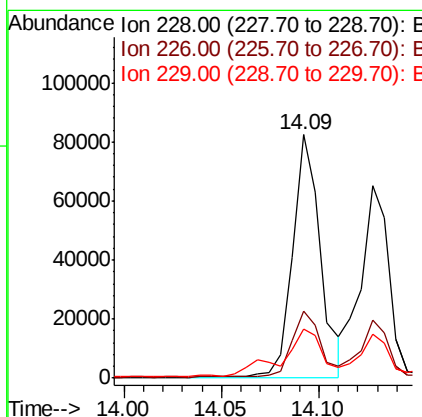
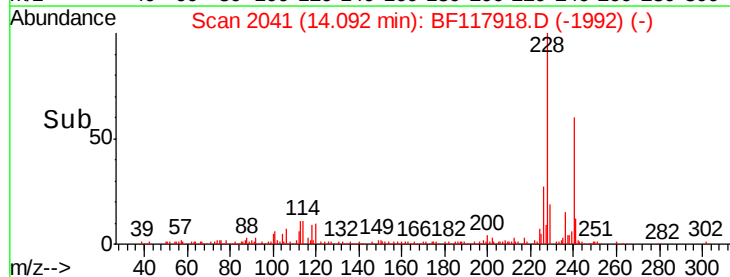
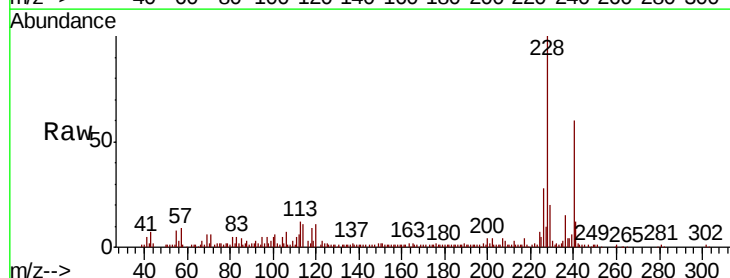
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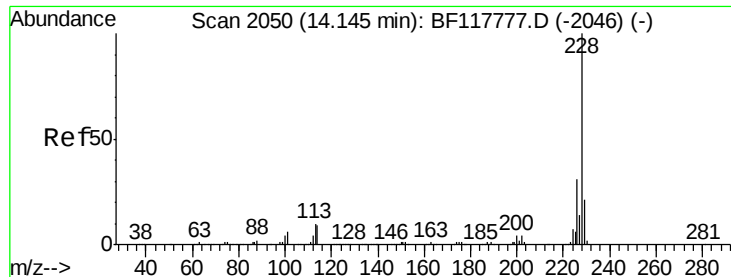
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#81
 Benzo(a)anthracene
 Concen: 3.364 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	20.4	15.9	23.9





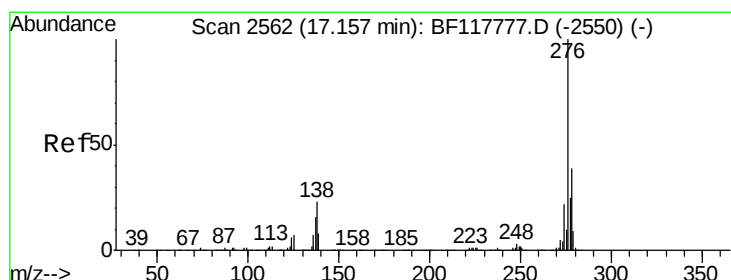
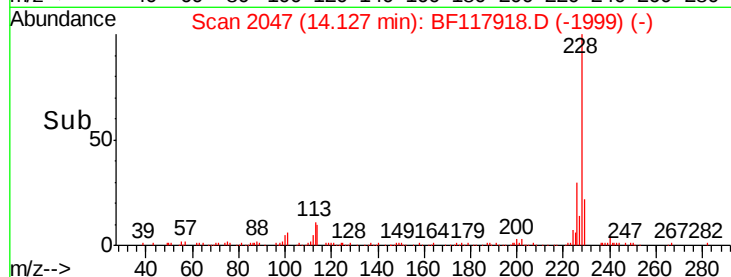
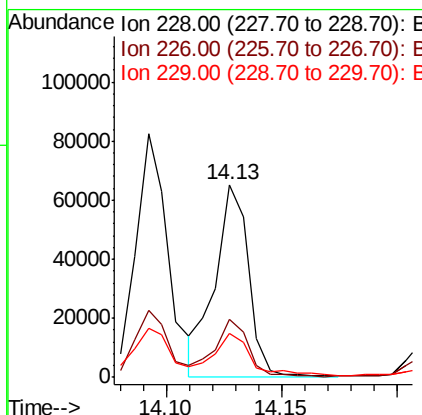
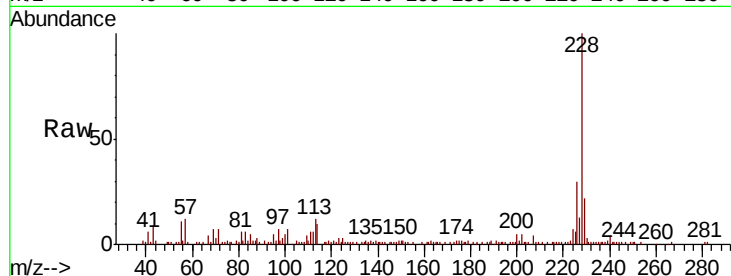
#83
Chrysene
Concen: 2.770 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.4
229	22.5	16.6	25.0

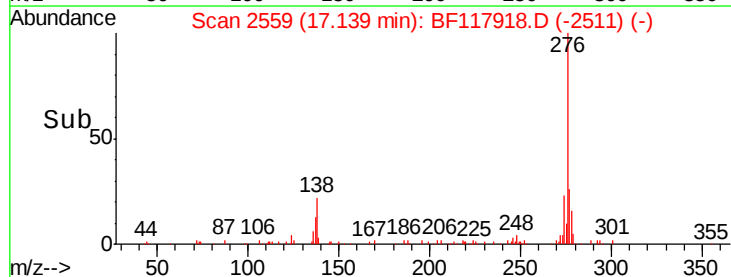
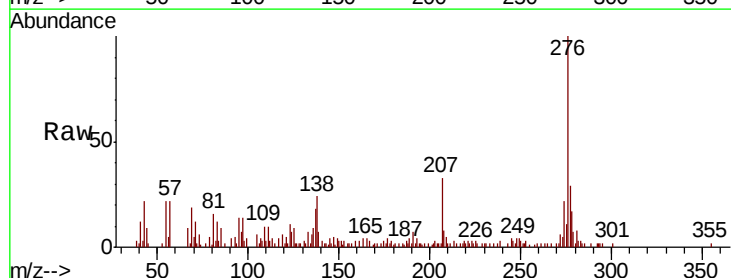
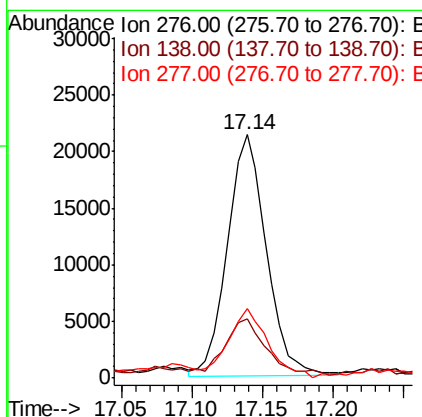
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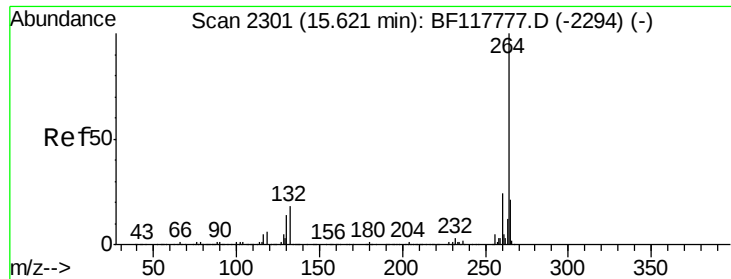
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.021 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.02 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	20.9	31.3
277	29.7	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Instrument :

BNA_F

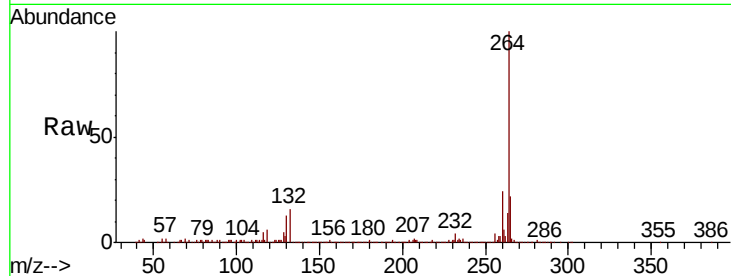
ClientSampleId :

3-(16-18)RX

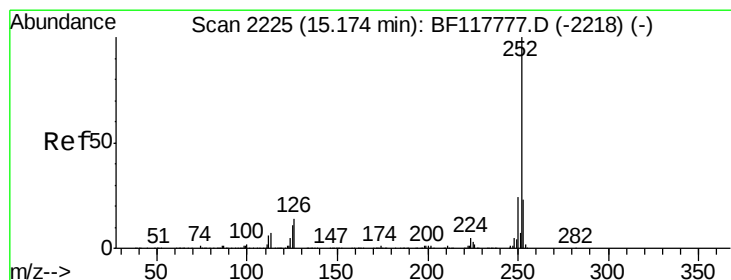
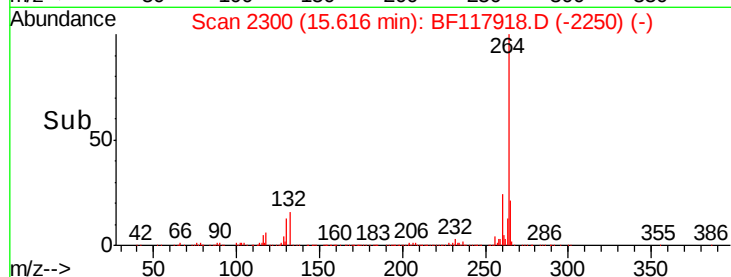
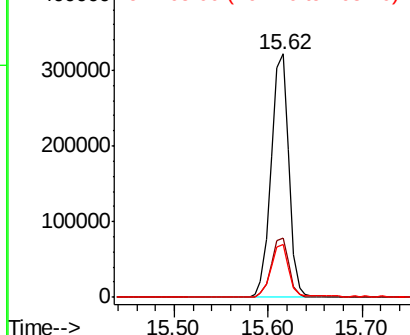
Tot Ion:	264	Resp:	420142
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.4	29.0
265	21.6	17.1	25.7

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 2.940 ng m

RT: 15.16 min Scan# 2223

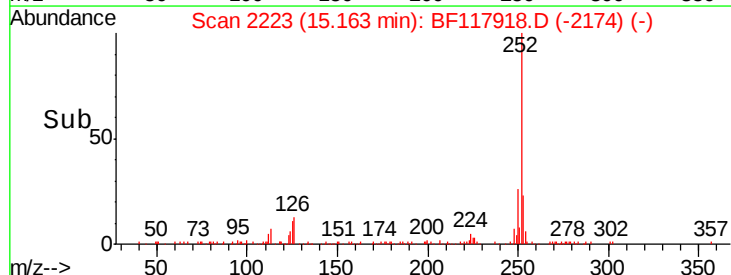
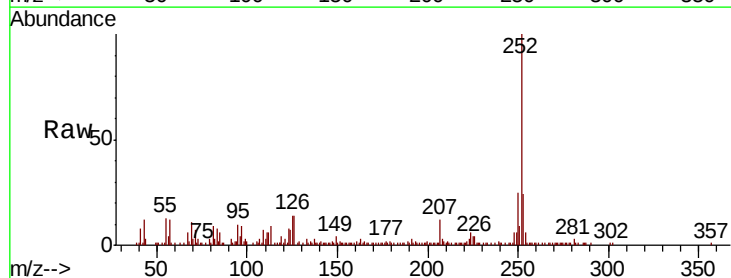
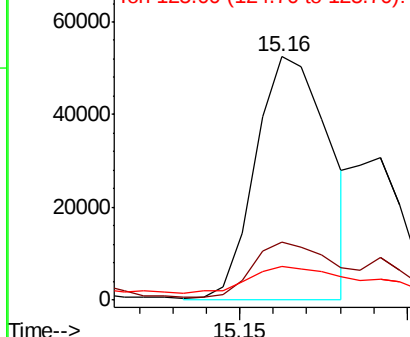
Delta R.T. -0.01 min

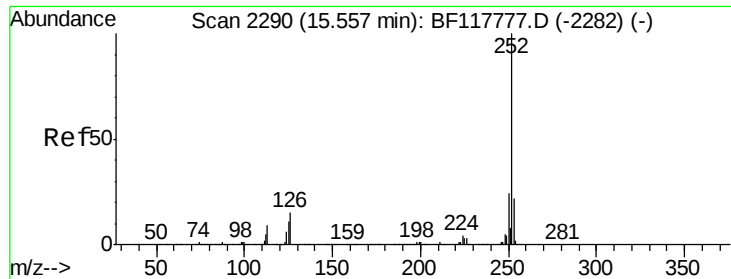
Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Tgt Ion:	252	Resp:	80239
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.0	27.0
125	14.0	8.6	13.0#

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: 2.709 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.01 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

Instrument :
 BNA_F
 ClientSampleId :
 3-(16-18)RX

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	13.3	9.2	13.8

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