

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
 Data File : BF118698.D
 Acq On : 24 Jan 2020 21:07
 Operator : CG/JU
 Sample : L1242-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20200066-AMENDED-COMP-4

Manual Integrations
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mohammad
 1/28/2020 8:12:38 AM

Quant Time: Jan 27 02:51:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	274679	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	985891	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	509323	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	827481	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	553978	20.00	ng	-0.03
87) Perylene-d12	15.48	264	680759	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	582738	39.40	ng	-0.01
7) Phenol-d6	6.49	99	1016704	52.89	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1194684	67.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	197926	33.60	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	2029980	65.51	ng	-0.02
79) Terphenyl-d14	12.96	244	1884769	74.21	ng	-0.03
Target Compounds						
10) Phenol	6.50	94	70257	3.207	ng	98
50) Dimethylphthalate	9.61	163	359643	10.838	ng	97
52) Acenaphthene	9.93	154	64109	2.303	ng	99
71) Phenanthrene	11.40	178	214476	5.372	ng	93
72) Anthracene	11.46	178	239101	6.053	ng	92
75) Fluoranthene	12.59	202	284870	6.766	ng	95
77) Benzydine	12.71	184	169394	11.444	ng	97
78) Pyrene	12.82	202	237506	6.315	ng	93
81) Benzo(a)anthracene	14.00	228	175964	5.280	ng	96
83) Chrysene	14.04	228	153894	4.818	ng	95
86) Indeno(1,2,3-cd)pyrene	16.94	276	59368	2.139	ng	99
88) Benzo(b)fluoranthene	15.05	252	172423m	4.029	ng	
90) Benzo(a)pyrene	15.42	252	141521	3.834	ng	96

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

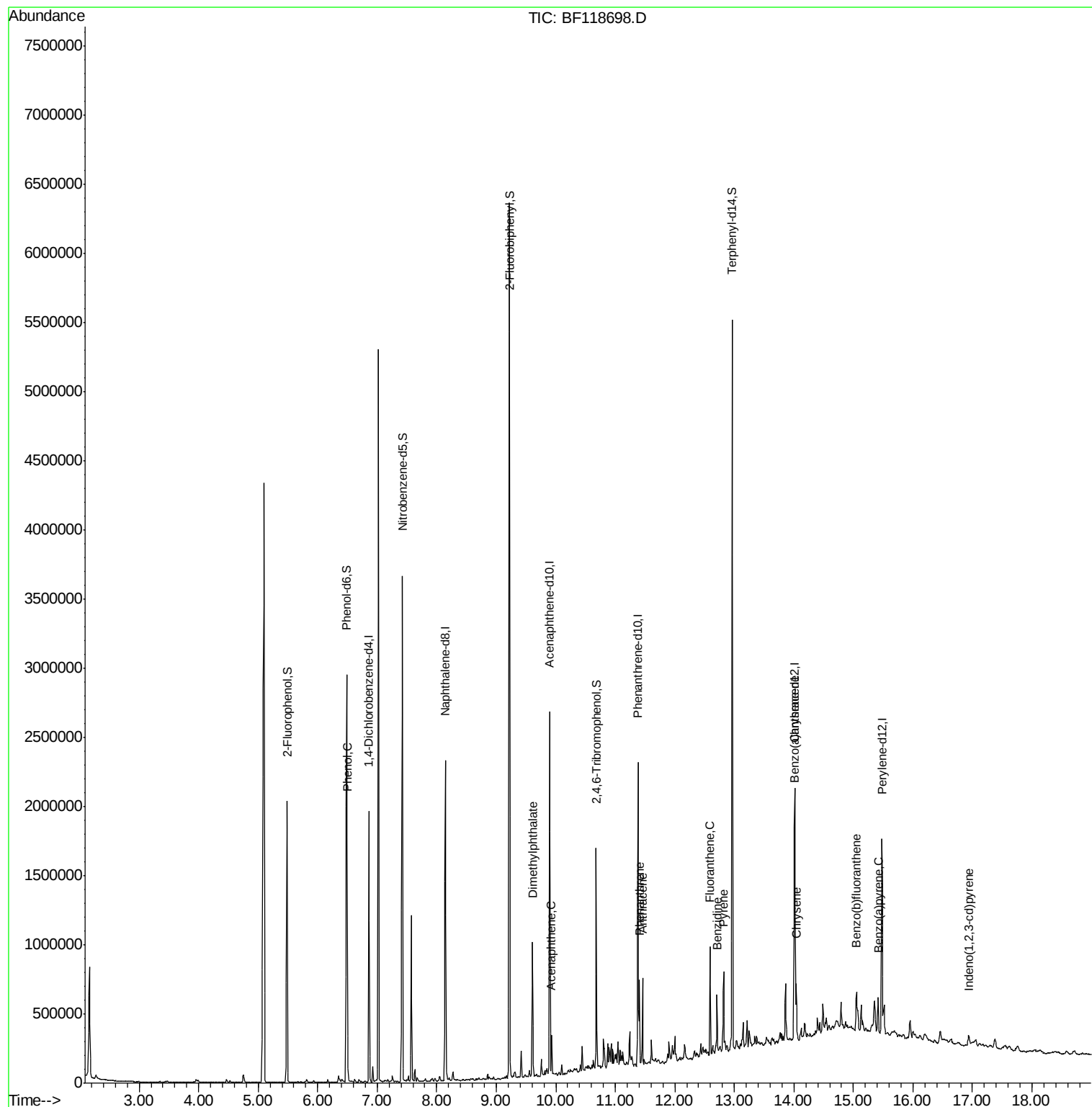
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

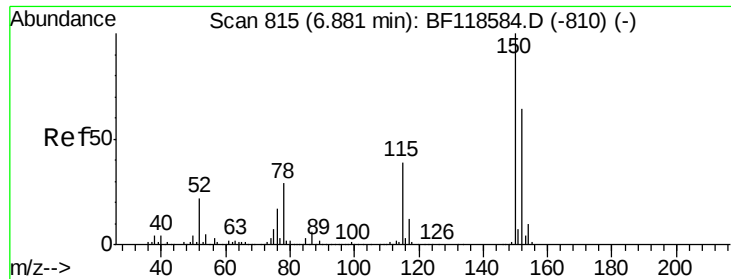
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
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#1

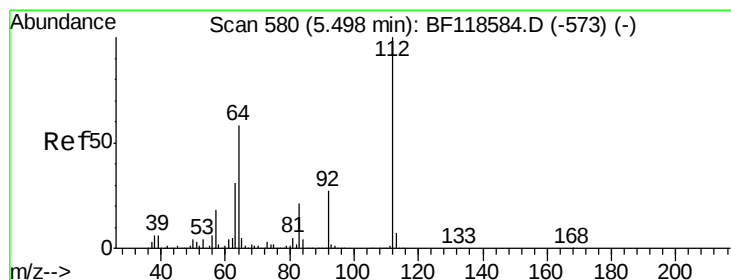
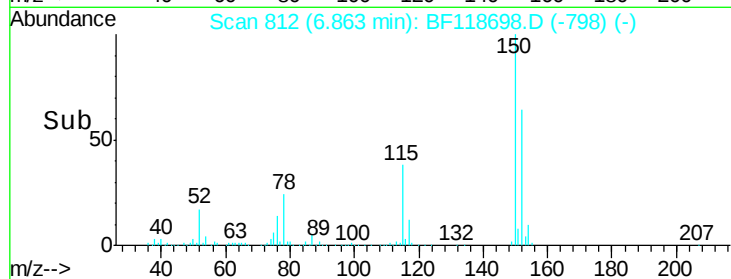
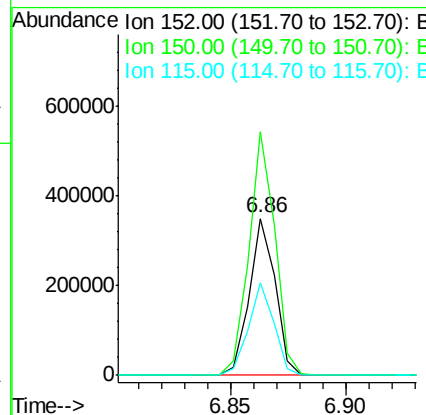
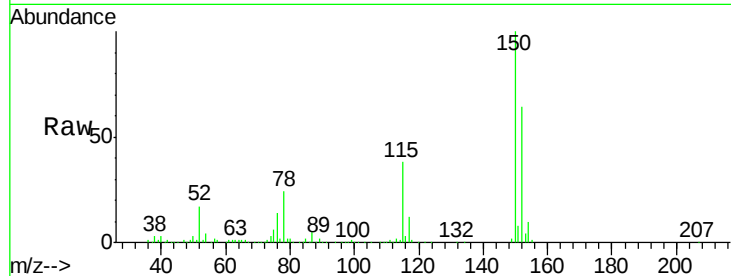
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.6	188.4
115	58.7	48.4	72.6

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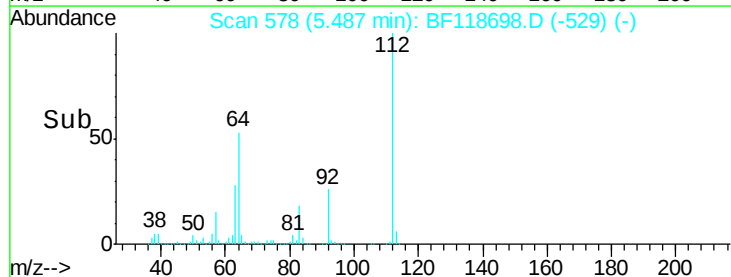
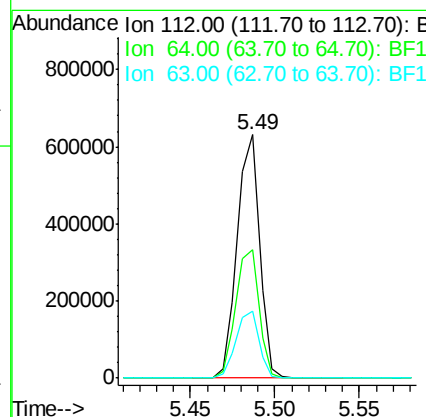
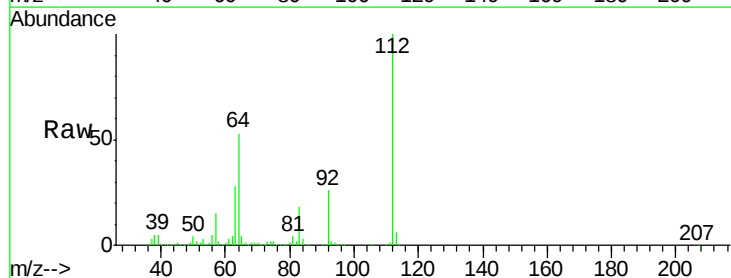
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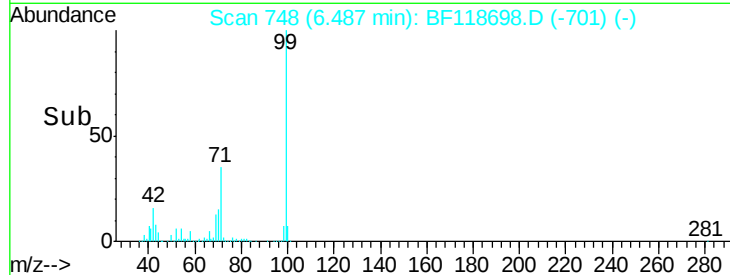
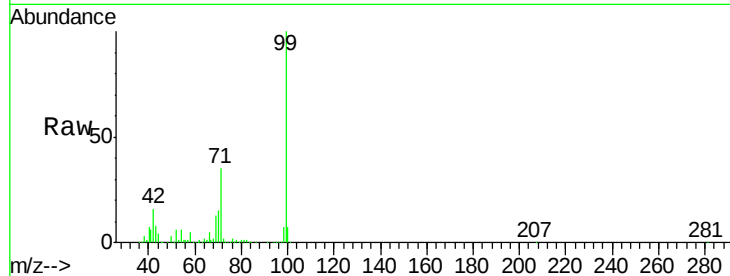
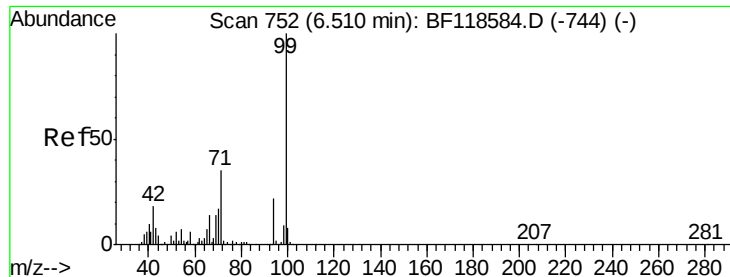


#5

2-Fluorophenol
Concen: 39.402 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	46.6	70.0
63	27.6	25.1	37.7





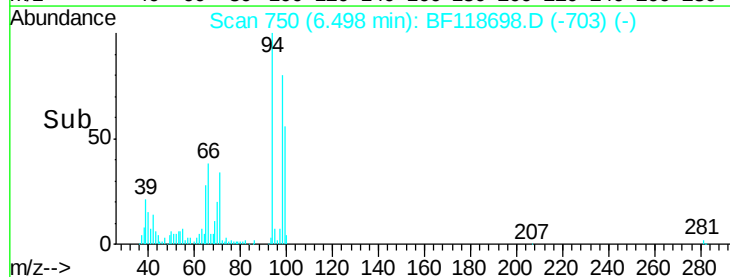
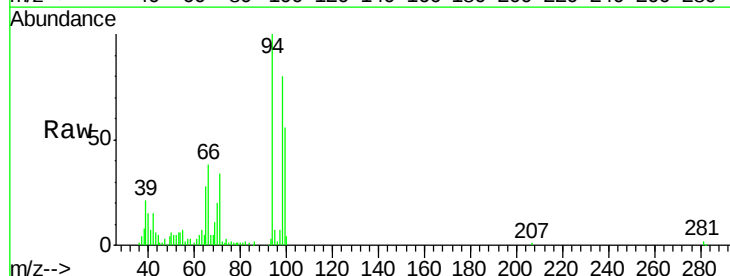
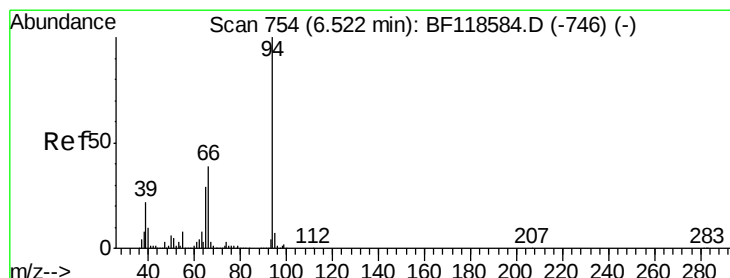
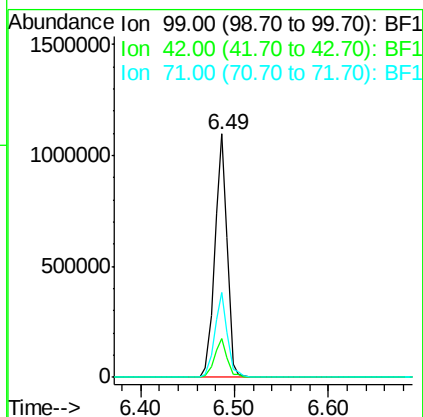
#7
Phenol-d6
Concen: 52.891 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.02 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tot Ion:	99	Resp:	1016704
Ion	Ratio	Lower	Upper
99	100		
42	15.9	14.2	21.2
71	34.9	27.8	41.6

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

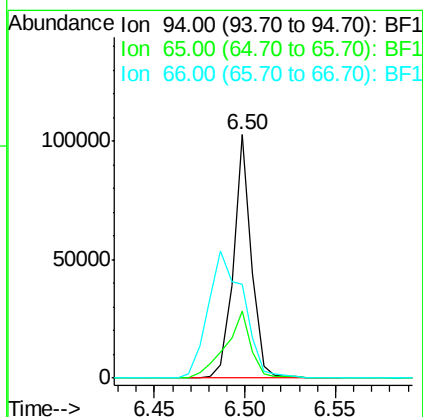
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#10
Phenol
Concen: 3.207 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion:	94	Resp:	70257
Ion	Ratio	Lower	Upper
94	100		
65	27.7	9.5	49.5
66	38.3	18.5	58.5





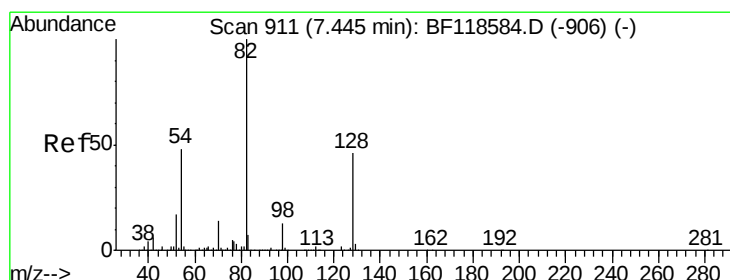
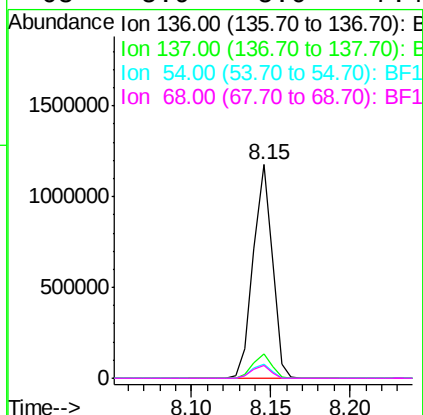
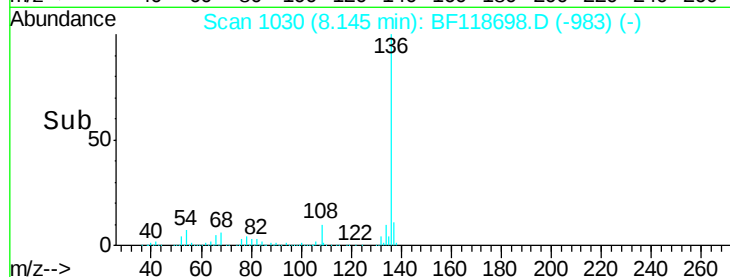
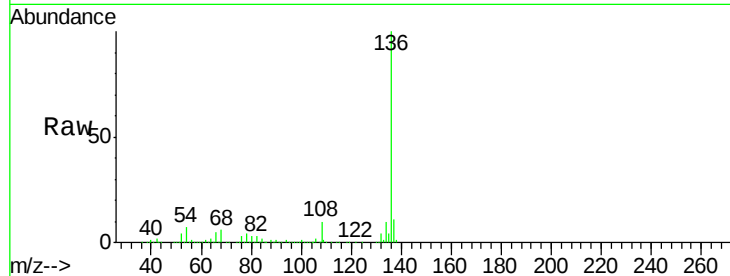
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		985891		
137	11.2		9.1	13.7	
54	6.6		5.8	8.6	
68	5.9		5.0	7.4	

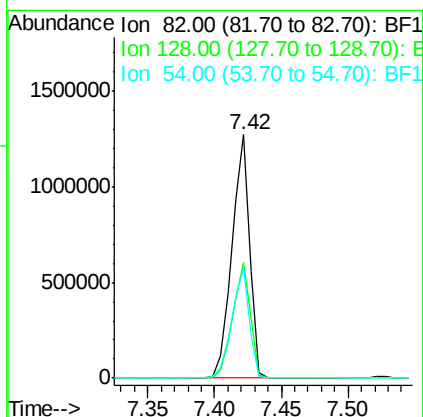
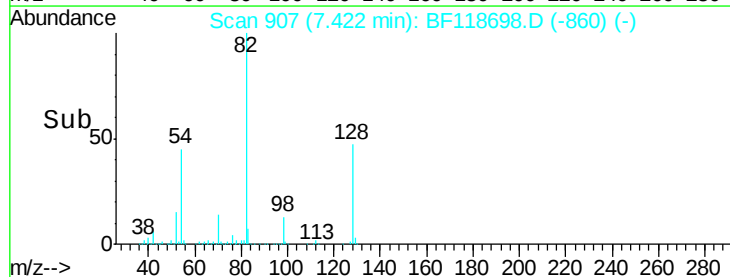
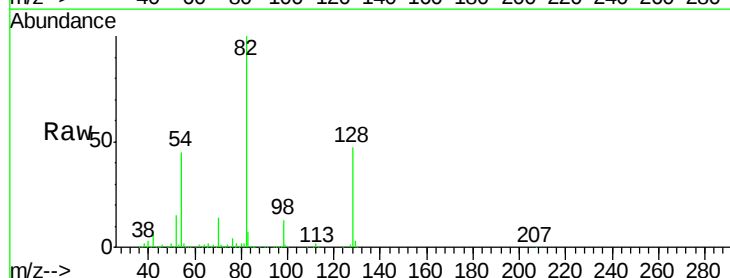
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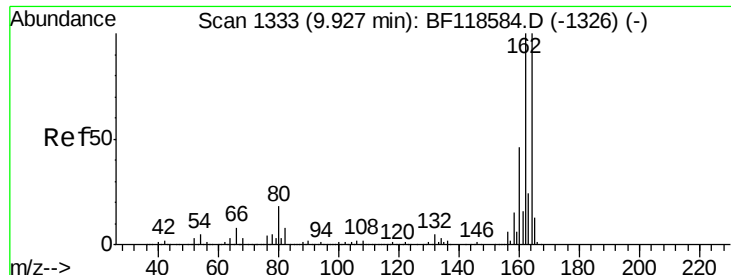
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#23
Nitrobenzene-d5
Concen: 67.780 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1194684		
128	47.3		36.6	54.8	
54	45.4		38.0	57.0	





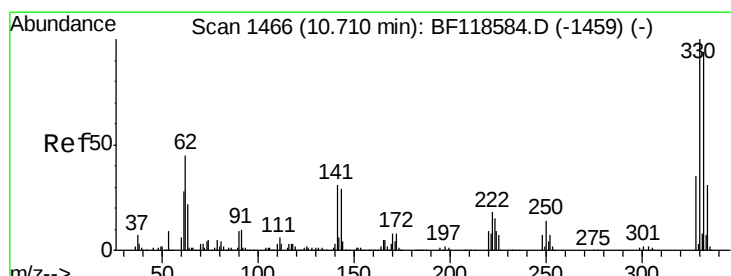
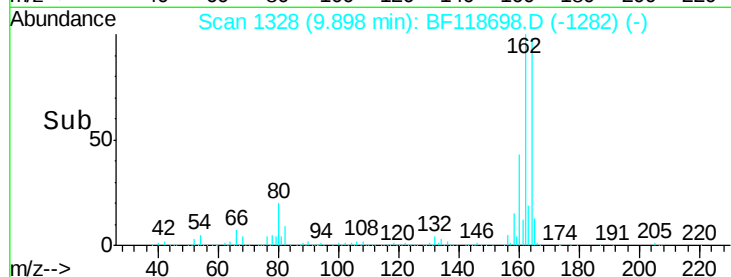
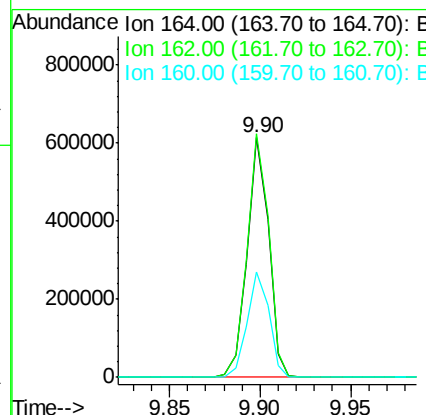
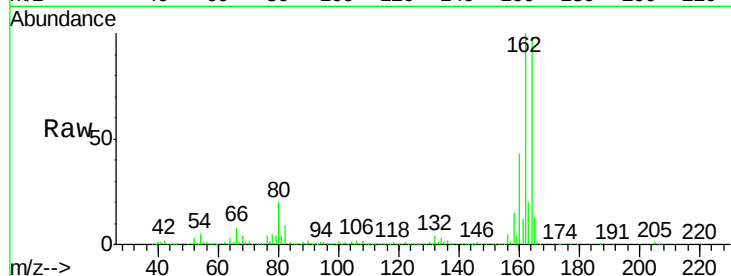
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	80.4	120.6	
160	43.9	36.6	55.0	

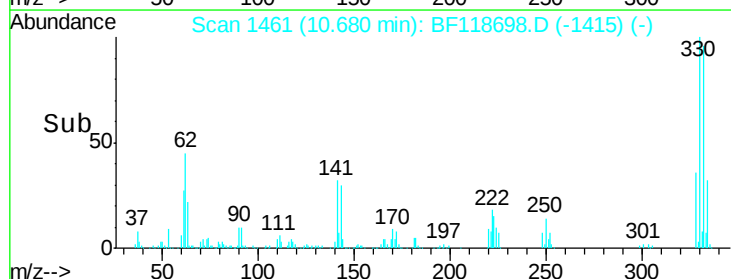
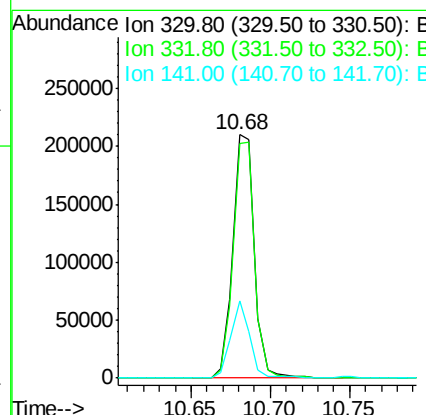
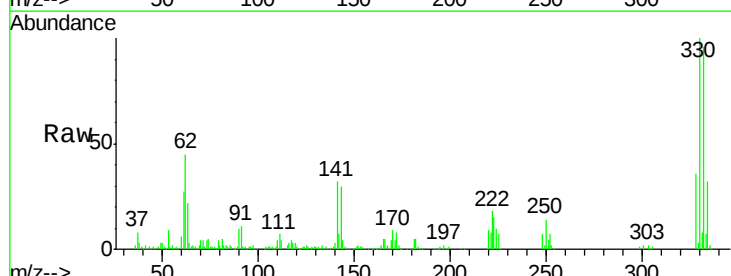
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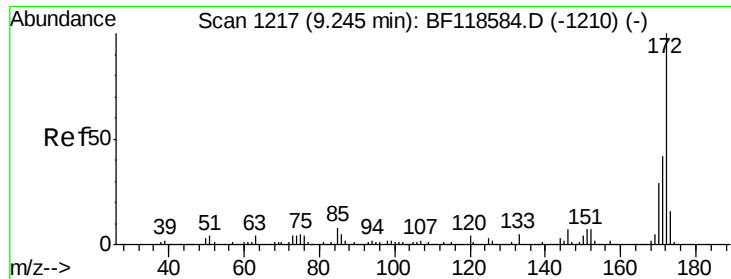
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#42
2,4,6-Tribromophenol
Concen: 33.598 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.03 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	76.2	114.4	
141	27.4	23.9	35.9	





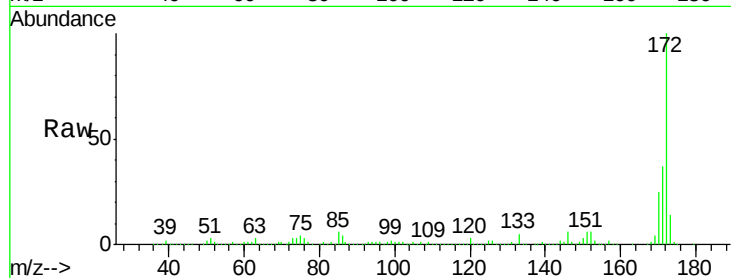
#45
2-Fluorobiphenyl
Concen: 65.509 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.02 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	33.4	50.2
170	24.5	23.2	34.8

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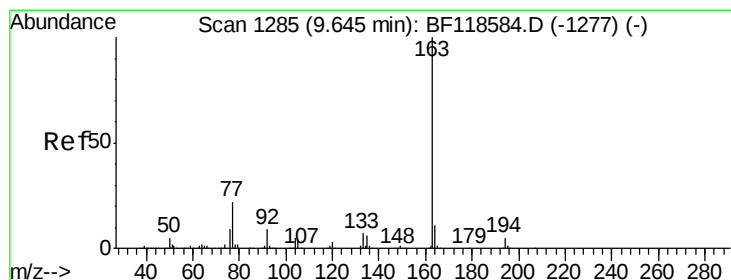
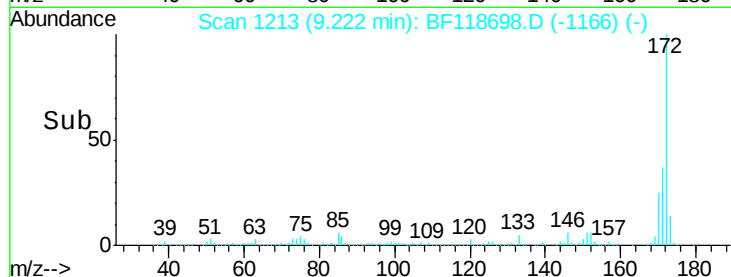
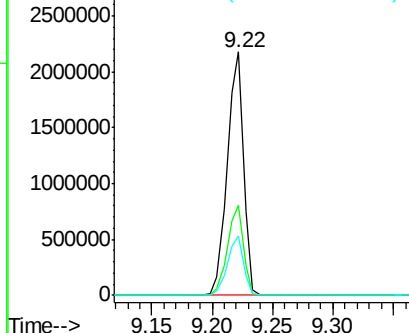


Abundance

Ion 172.00 (171.70 to 172.70): E

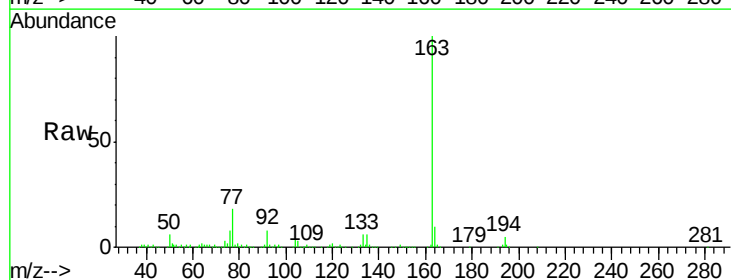
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 10.838 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.04 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.9	5.9
164	9.7	9.1	13.7

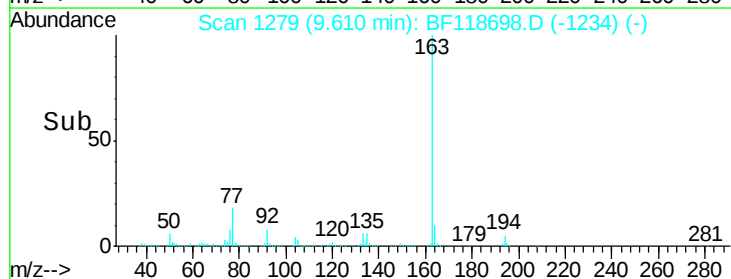
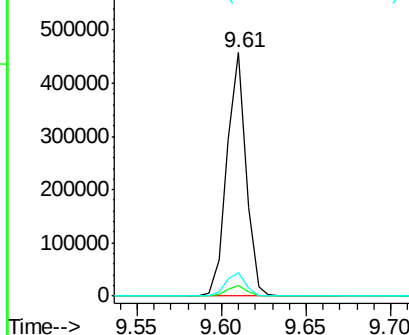


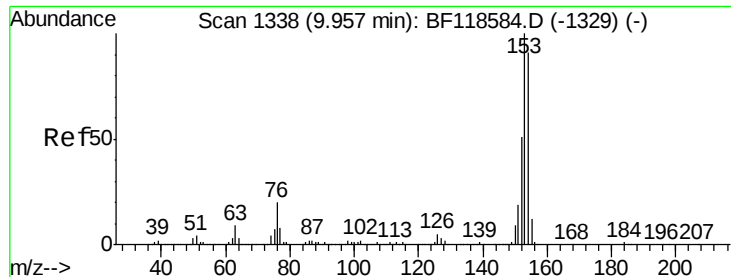
Abundance

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





#52

Acenaphthene

Concen: 2.303 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.03 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

Instrument :

BNA_F

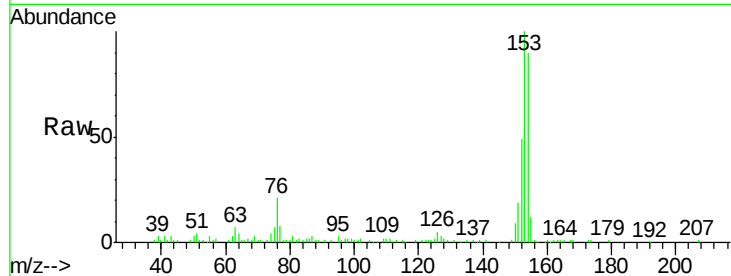
ClientSampleId :

20200066-AMENDED-COMP-4

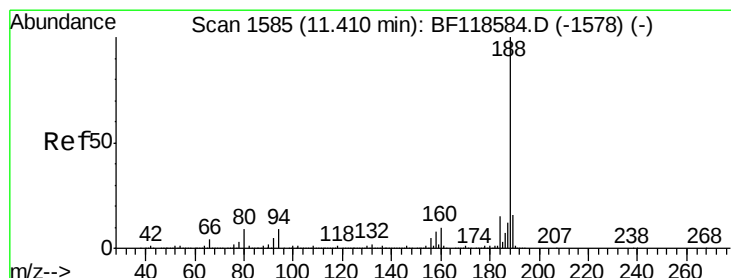
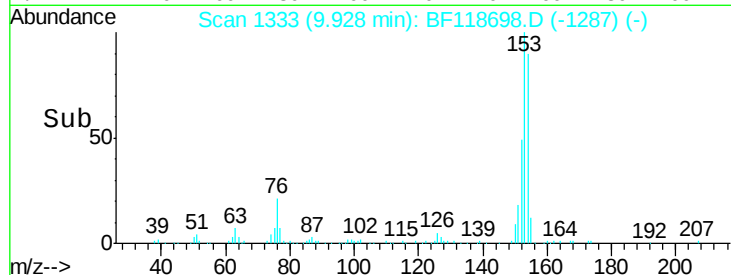
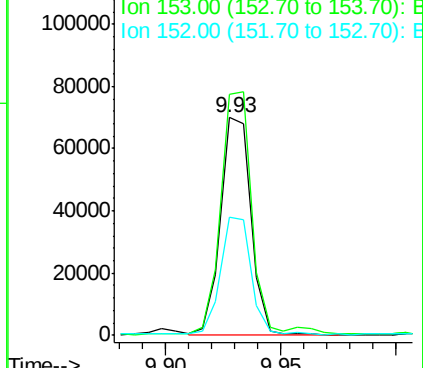
Tot Ion:	154	Resp:	64109
Ion Ratio	Lower	Upper	
154	100		
153	110.9	87.6	131.4
152	54.5	44.4	66.6

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

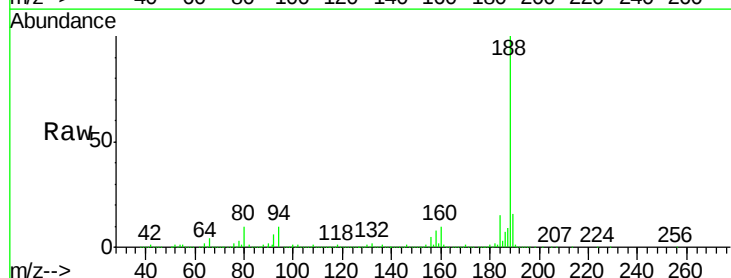
RT: 11.38 min Scan# 1580

Delta R.T. -0.03 min

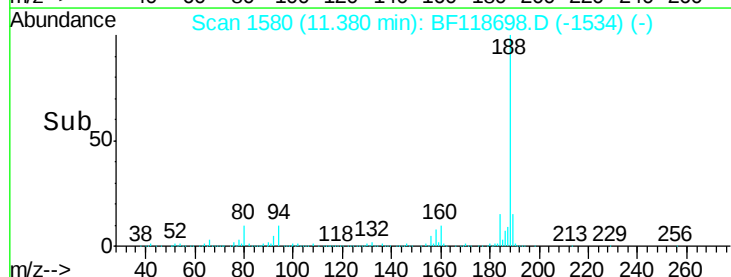
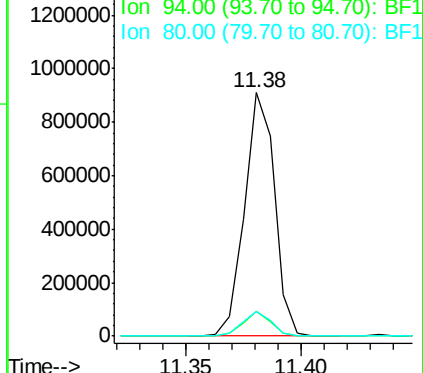
Lab File: BF118698.D

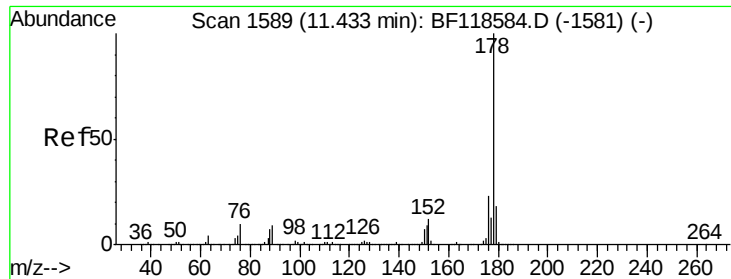
Acq: 24 Jan 2020 21:07

Tgt Ion:	188	Resp:	827481
Ion Ratio	Lower	Upper	
188	100		
94	10.0	7.1	10.7
80	10.3	7.5	11.3



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





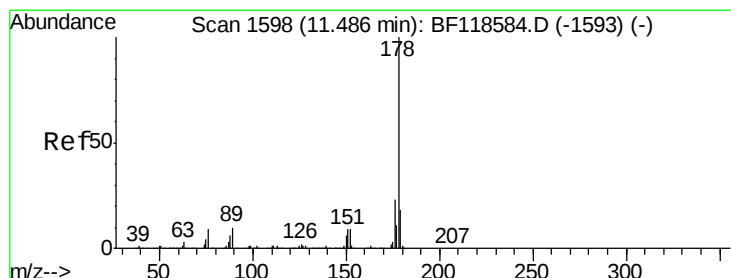
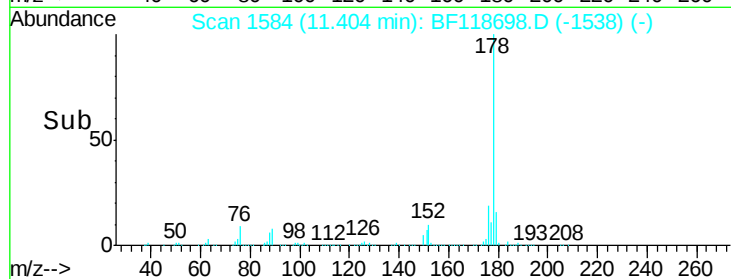
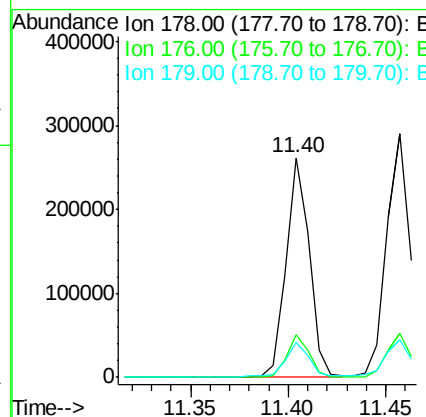
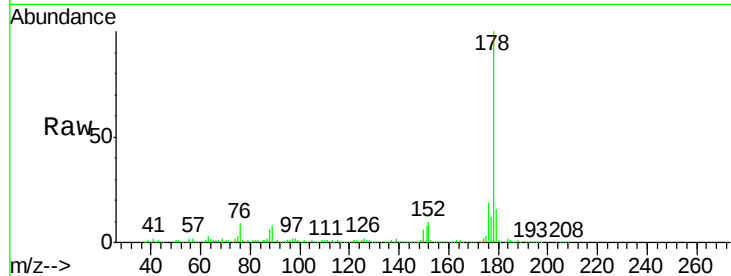
#71
Phenanthrene
Concen: 5.372 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.03 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	18.6	27.8
179	16.0	14.7	22.1

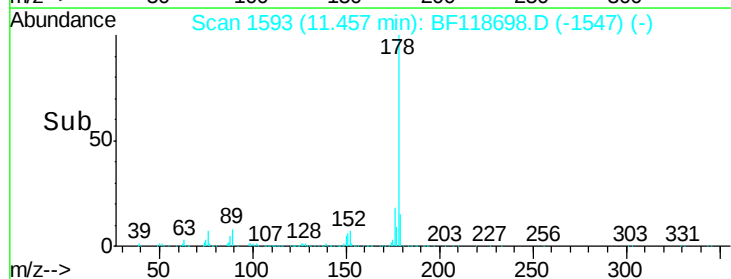
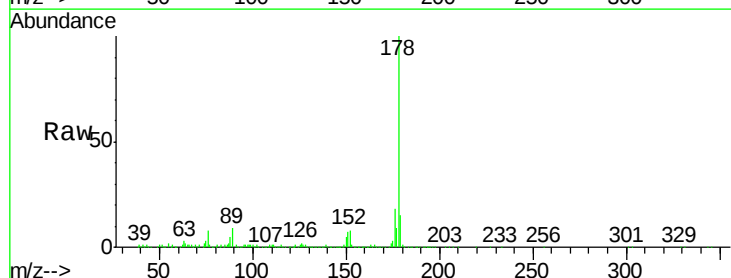
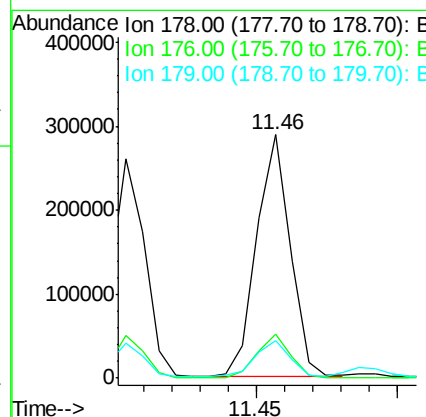
Manual Integrations
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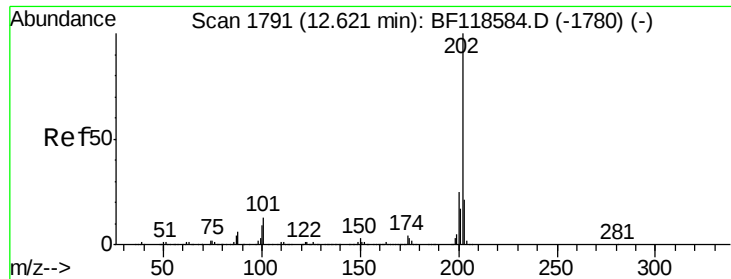
mohammad
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#72
Anthracene
Concen: 6.053 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.03 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	18.0	27.0
179	15.4	14.7	22.1





#75

Fluoranthene

Concen: 6.766 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.03 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

Instrument :

BNA_F

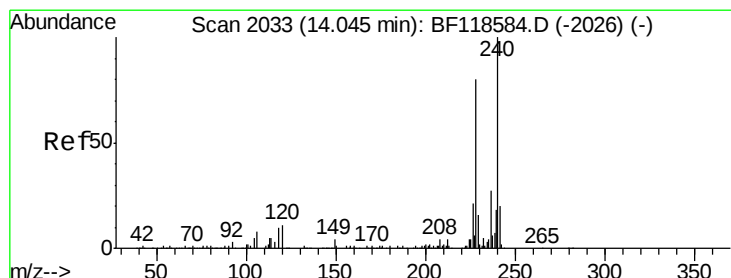
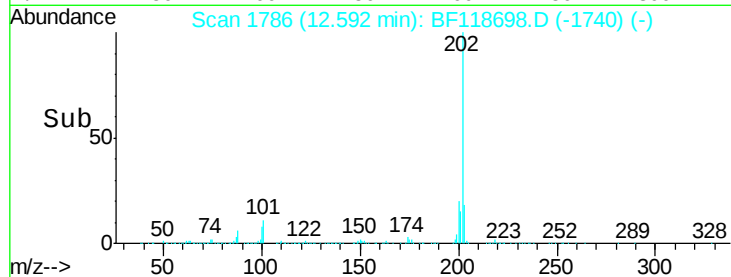
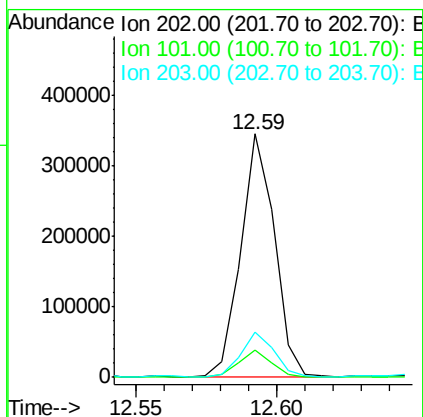
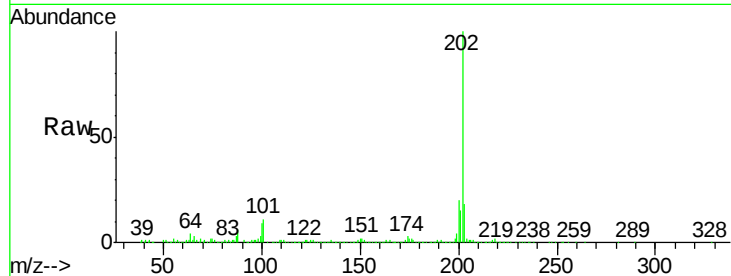
ClientSampleId :

20200066-AMENDED-COMP-4

Tot Ion	Ratio	Resp	Lower	Upper
202	100	284870		
101	11.1	0.0	32.5	
203	18.4	0.8	40.8	

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#76

Chrysene-d12

Concen: 20.000 ng

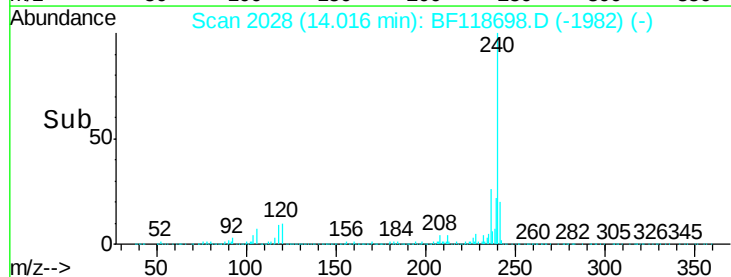
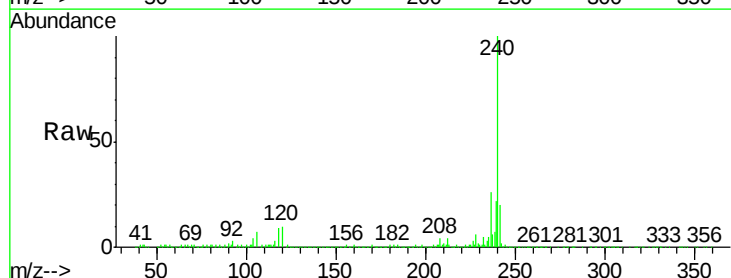
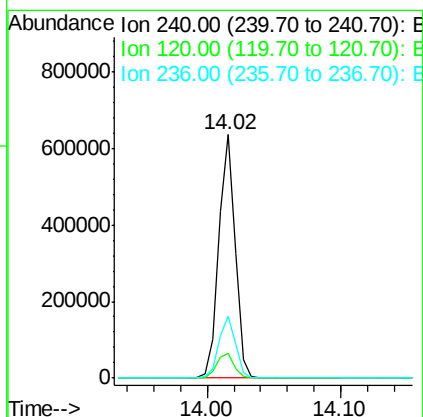
RT: 14.02 min Scan# 2028

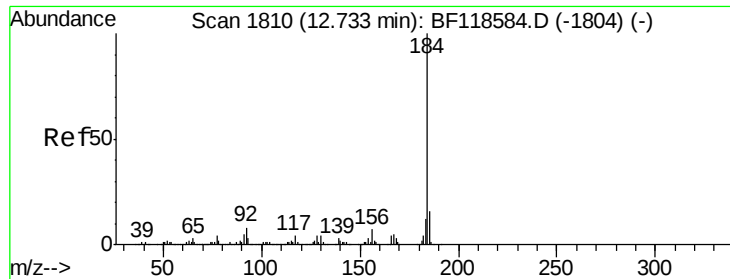
Delta R.T. -0.03 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	553978		
120	10.1	8.9	13.3	
236	25.7	21.5	32.3	





#77

Benzidine

Concen: 11.444 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

Instrument :

BNA_F

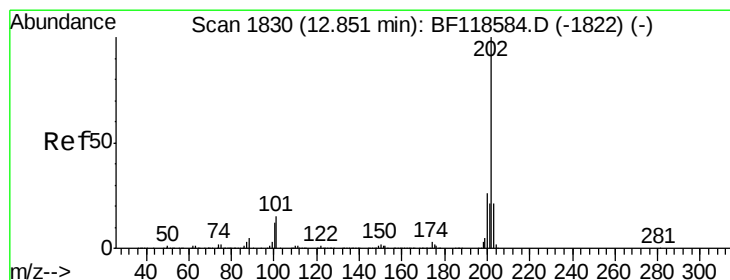
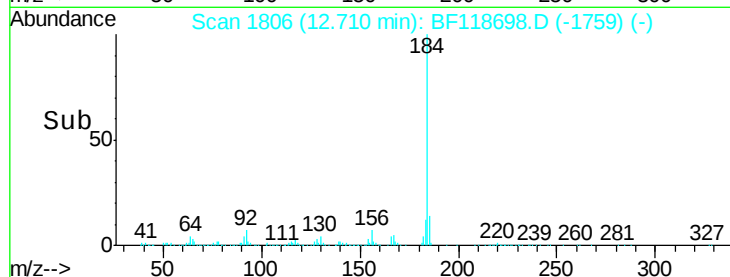
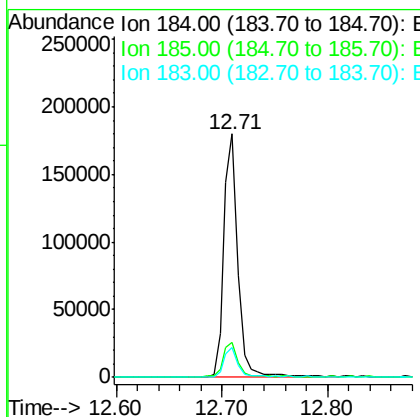
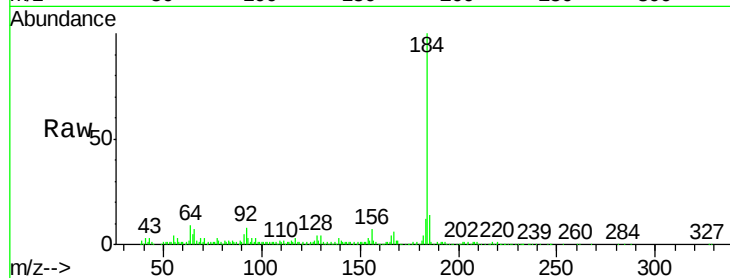
ClientSampleId :

20200066-AMENDED-COMP-4

Tot Ion:	184	Resp:	169394
Ion Ratio	Lower	Upper	
184	100		
185	14.3	12.9	19.3
183	12.2	9.6	14.4

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#78

Pyrene

Concen: 6.315 ng

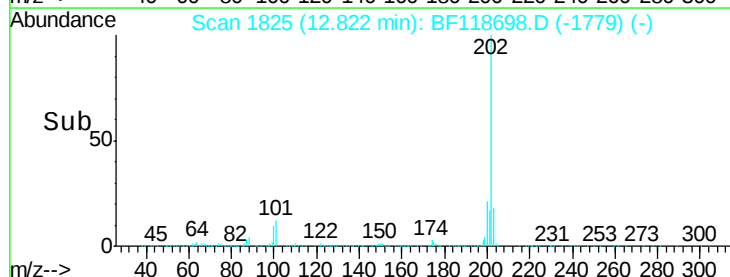
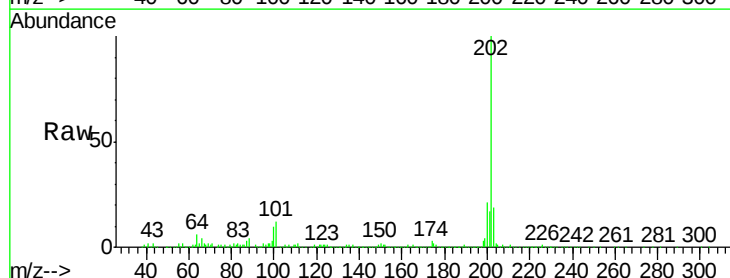
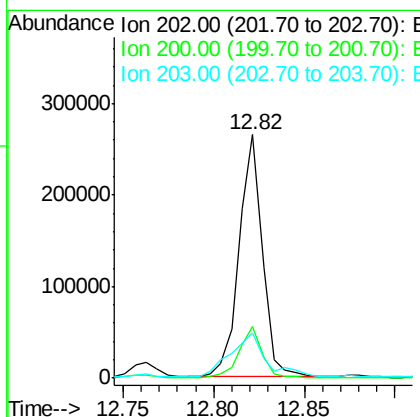
RT: 12.82 min Scan# 1825

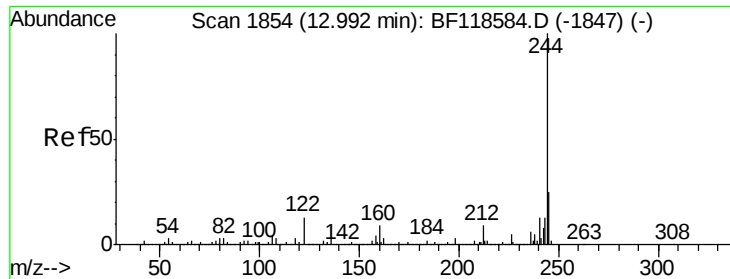
Delta R.T. -0.03 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

Tgt Ion:	202	Resp:	237506
Ion Ratio	Lower	Upper	
202	100		
200	21.0	20.6	31.0
203	18.7	16.8	25.2





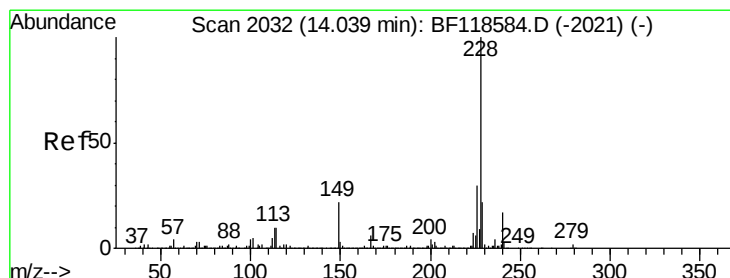
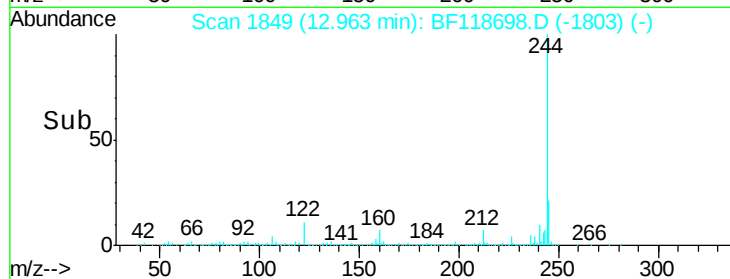
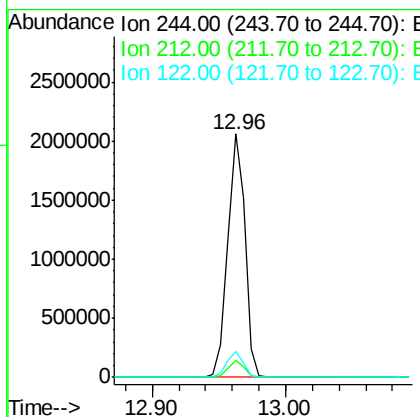
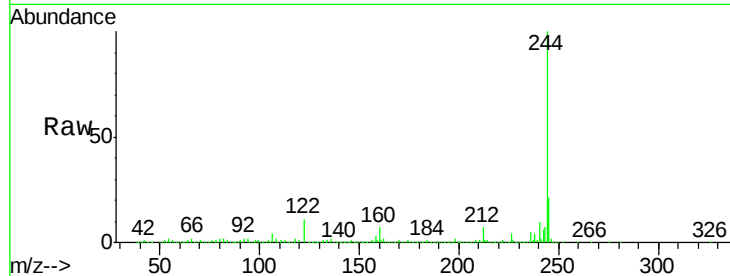
#79
 Terphenyl-d14
 Concen: 74.206 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.03 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

Instrument :
 BNA_F
 ClientSampleId :
 20200066-AMENDED-COMP-4

Tot Ion:244 Resp: 1884769
 Ion Ratio Lower Upper
 244 100
 212 6.8 7.0 10.4#
 122 10.8 10.7 16.1

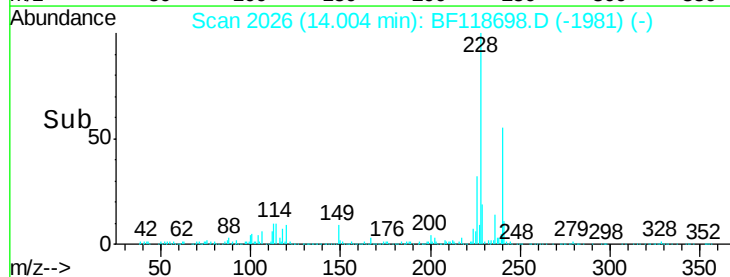
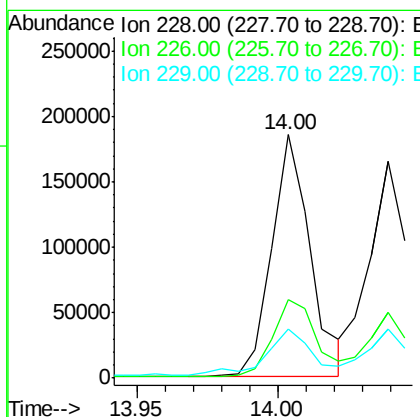
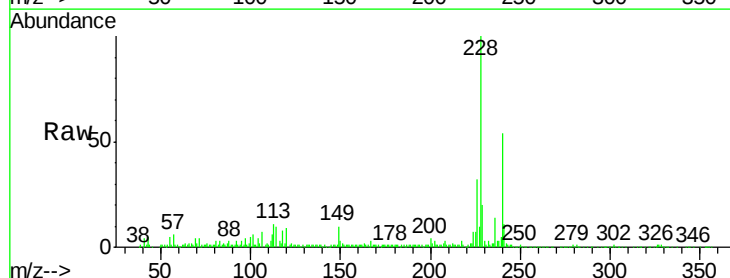
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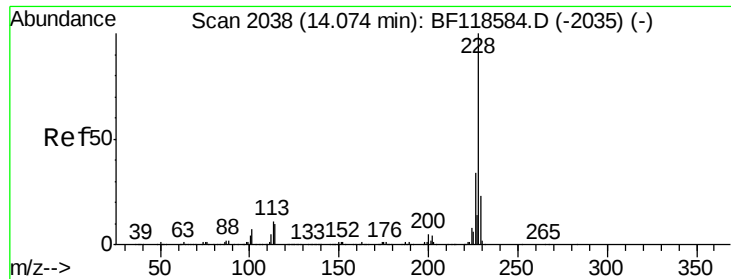
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#81
 Benzo(a)anthracene
 Concen: 5.280 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.04 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

Tgt Ion:228 Resp: 175964
 Ion Ratio Lower Upper
 228 100
 226 32.3 24.1 36.1
 229 19.9 17.6 26.4





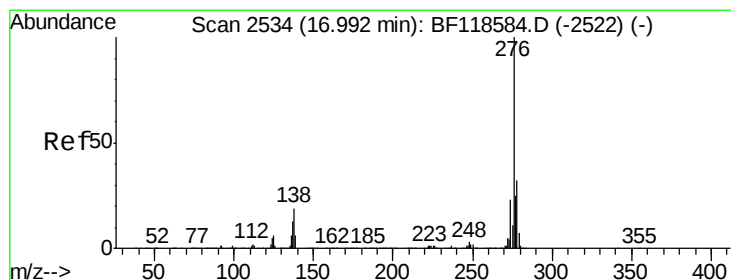
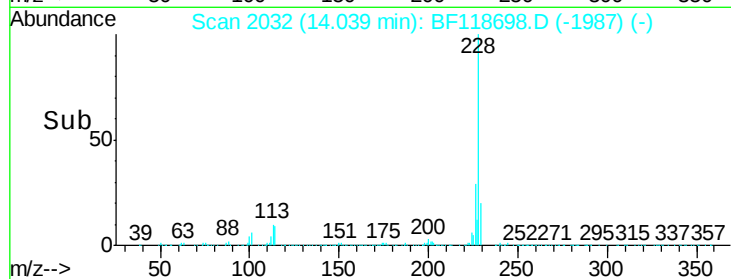
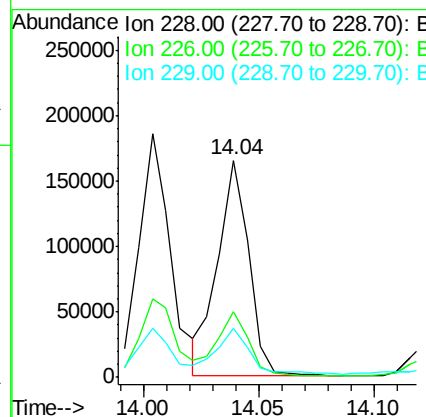
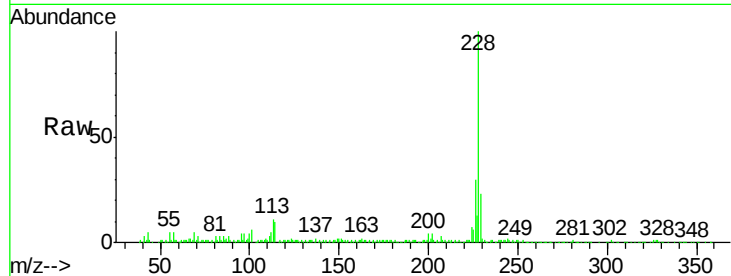
#83
Chrysene
Concen: 4.818 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.04 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	27.4	41.0
229	22.5	18.3	27.5

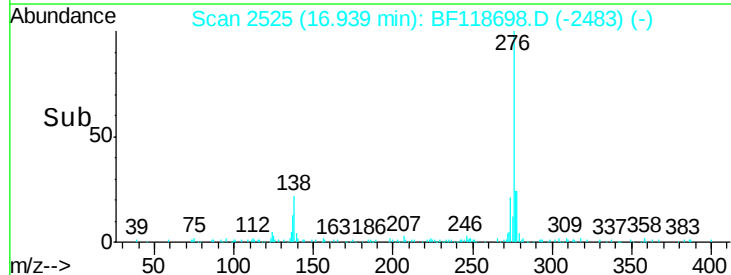
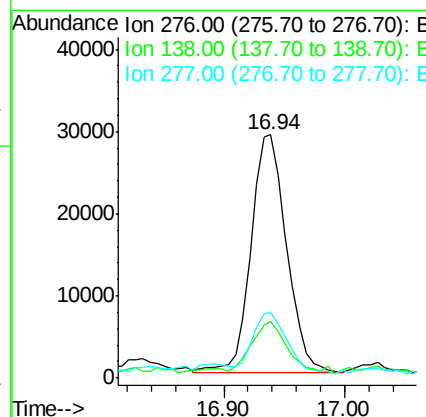
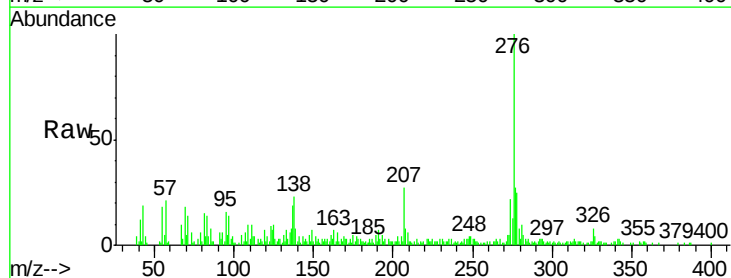
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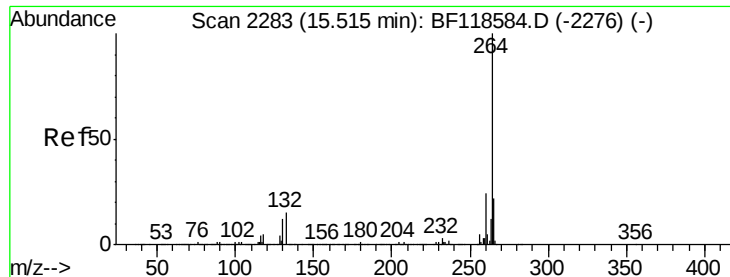
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.139 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.05 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	17.2	25.8
277	25.8	20.5	30.7





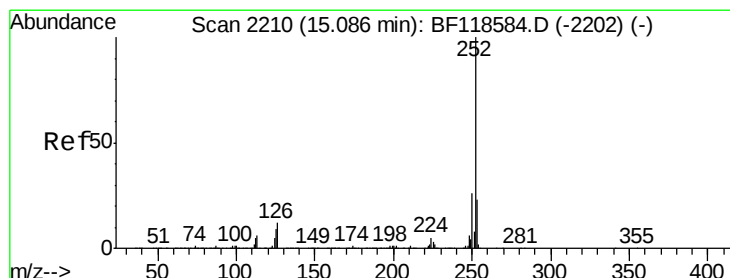
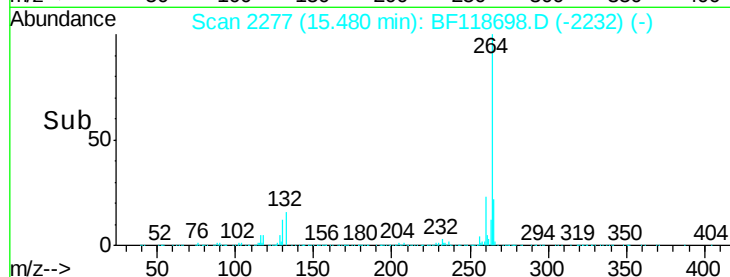
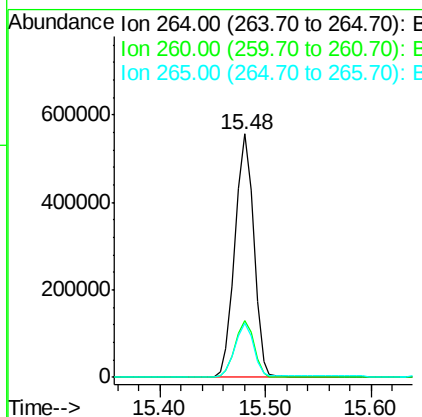
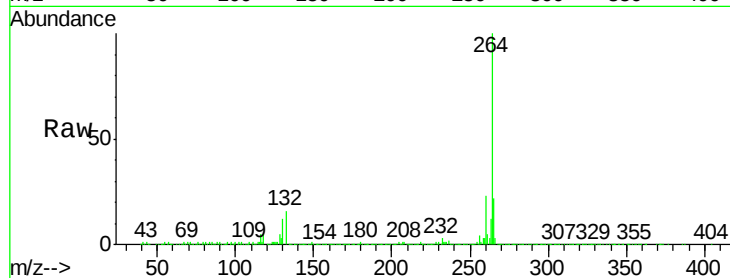
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.04 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	22.3	17.7	26.5

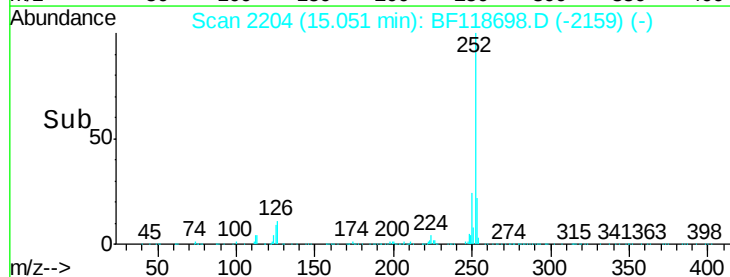
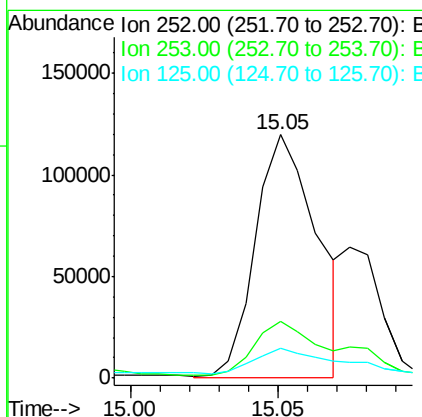
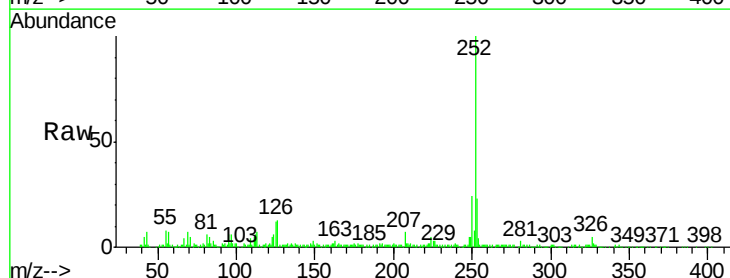
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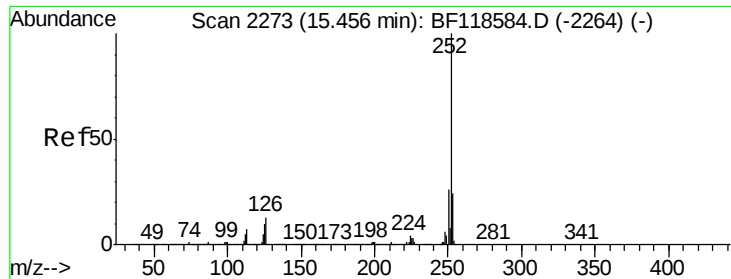
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#88
Benzo(b)fluoranthene
Concen: 4.029 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.7	28.1
125	12.3	7.3	10.9#





#90
 Benzo(a)pyrene
 Concen: 3.834 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.04 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

Instrument :
 BNA_F
 ClientSampleId :
 20200066-AMENDED-COMP-4

Tot Ion:	252	Resp:	141521
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.8	28.2
125	11.3	7.8	11.6

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