

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
 Data File : BF118701.D
 Acq On : 24 Jan 2020 22:31
 Operator : CG/JU
 Sample : L1242-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20200063-AMENDED-COMP-1

Manual Integrations
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Quant Time: Jan 27 03:03:39 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	239859	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	892693	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	480355	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	768657	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	519770	20.00	ng	-0.03
87) Perylene-d12	15.48	264	637058	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	37655	2.92	ng	-0.02
7) Phenol-d6	6.48	99	379814	22.63	ng	-0.03
23) Nitrobenzene-d5	7.42	82	993555	62.25	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	9556	1.72	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	1628912	55.74	ng	-0.02
79) Terphenyl-d14	12.96	244	1564757	65.66	ng	-0.03
Target Compounds						
10) Phenol	6.50	94	74996	3.920	ng	94
50) Dimethylphthalate	9.61	163	318102	10.164	ng	98
71) Phenanthrene	11.40	178	106578	2.874	ng	# 91
72) Anthracene	11.46	178	162140m	4.419	ng	
75) Fluoranthene	12.59	202	1043649	26.683	ng	96
78) Pyrene	12.82	202	793947	22.499	ng	92
81) Benzo(a)anthracene	14.00	228	443559	14.186	ng	97
83) Chrysene	14.04	228	378010	12.615	ng	94
86) Indeno(1,2,3-cd)pyrene	16.94	276	92953	3.570	ng	98
88) Benzo(b)fluoranthene	15.05	252	352422m	8.801	ng	
89) Benzo(k)fluoranthene	15.08	252	133144m	3.589	ng	
90) Benzo(a)pyrene	15.42	252	238928	6.917	ng	99
92) Benzo(a,h,i)perylene	17.38	276	77087	2.598	ng	98

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

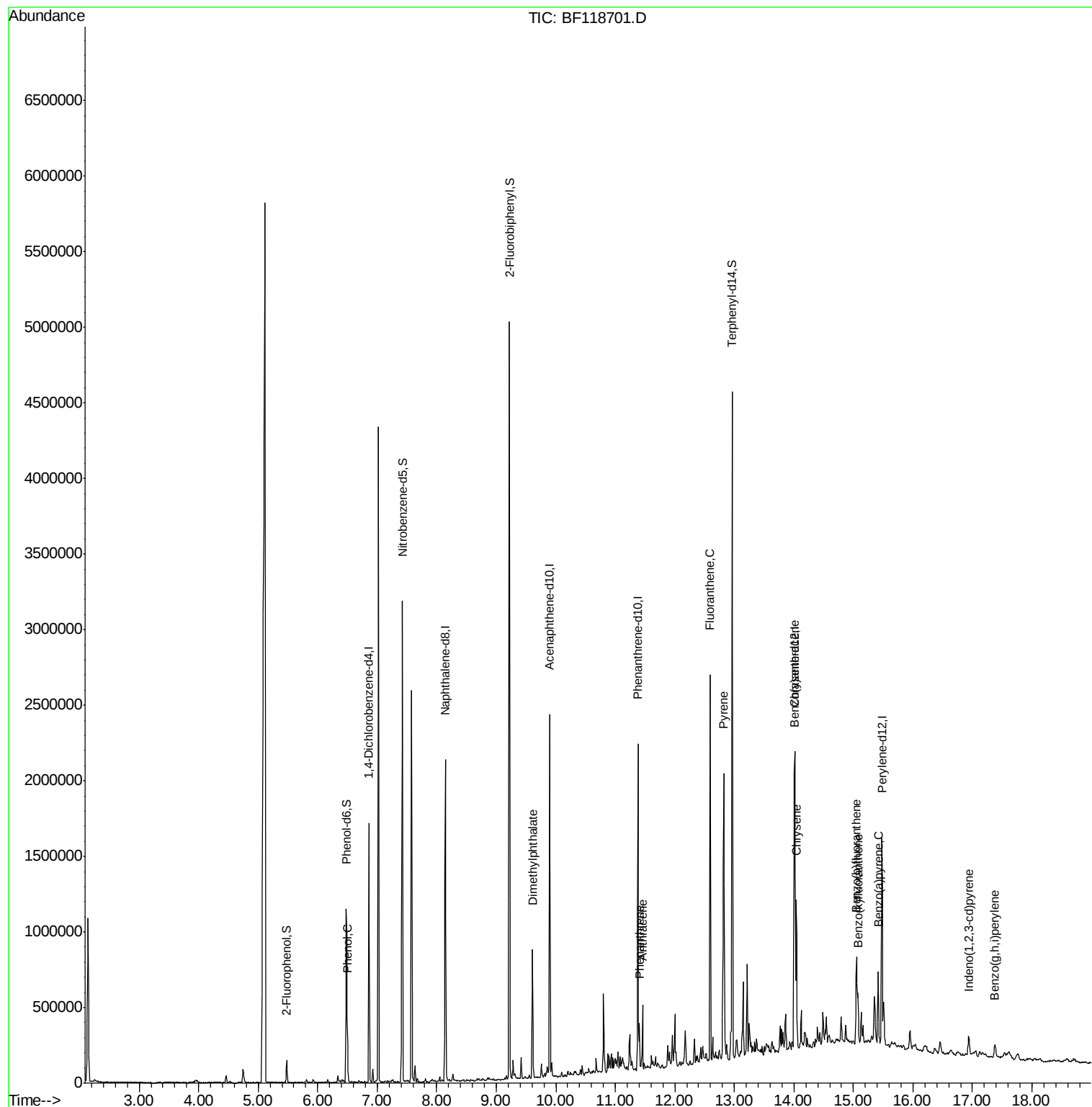
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
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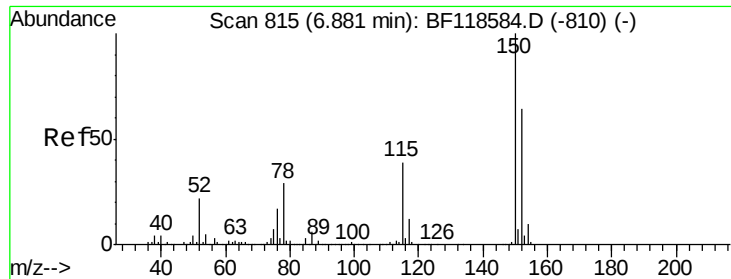
Instrument :
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#1

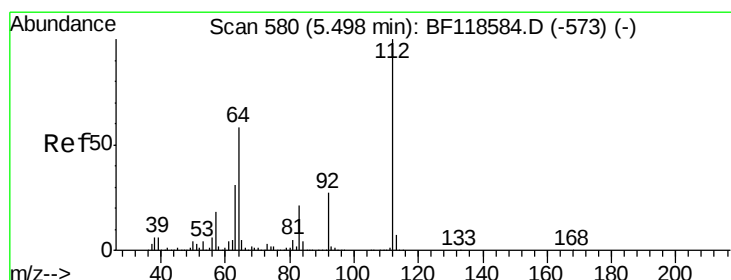
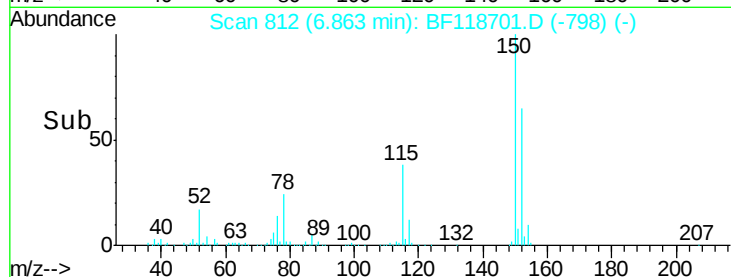
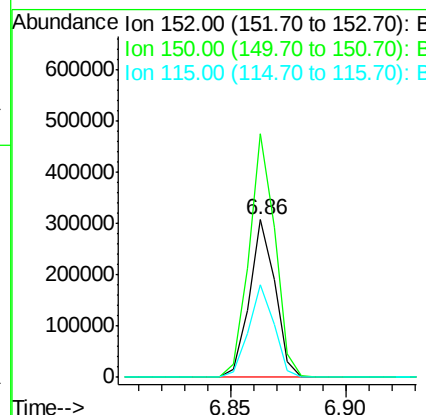
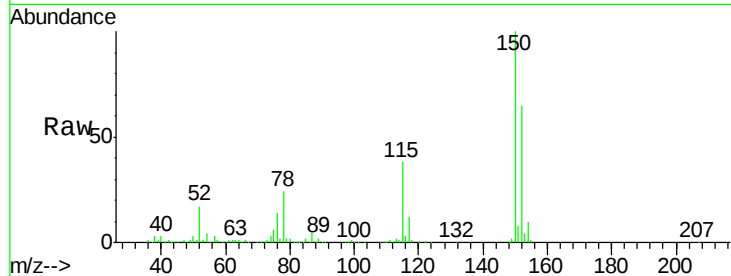
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	125.6	188.4
115	59.2	48.4	72.6

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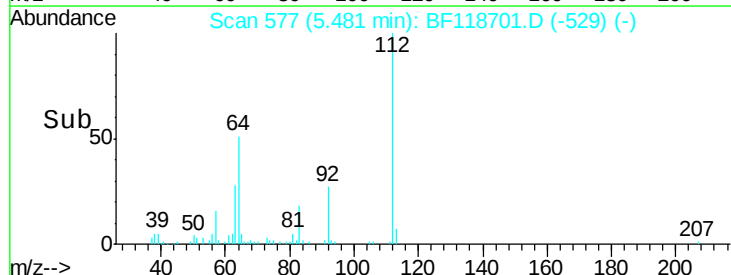
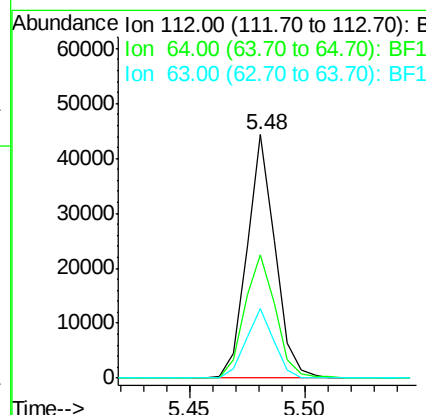
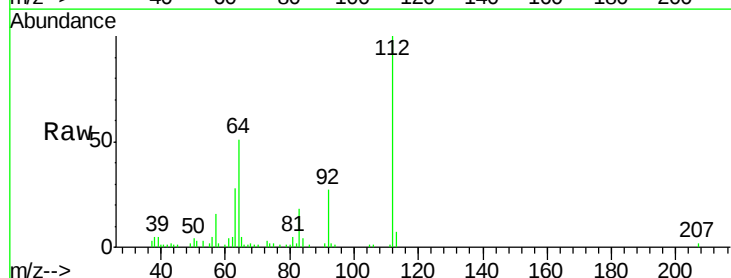
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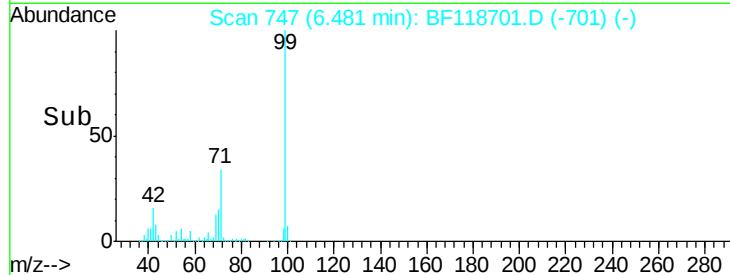
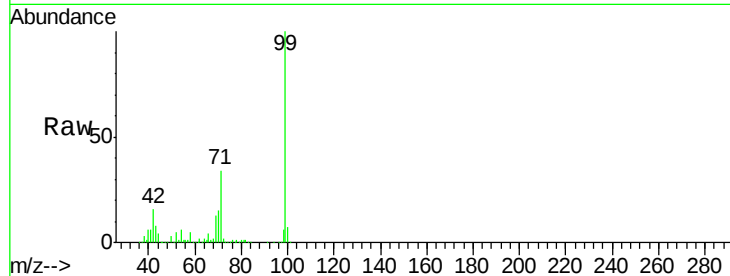
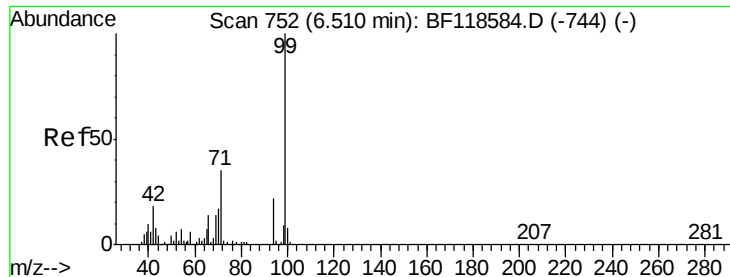


#5

2-Fluorophenol
Concen: 2.916 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	46.6	70.0
63	28.5	25.1	37.7





#7

Phenol-d6

Concen: 22.627 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		379814		
42	16.3	14.2	21.2		
71	34.2	27.8	41.6		

Instrument :

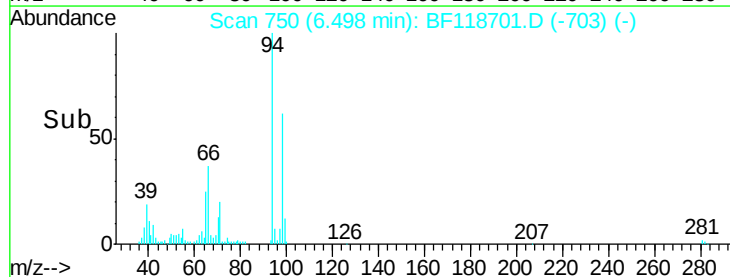
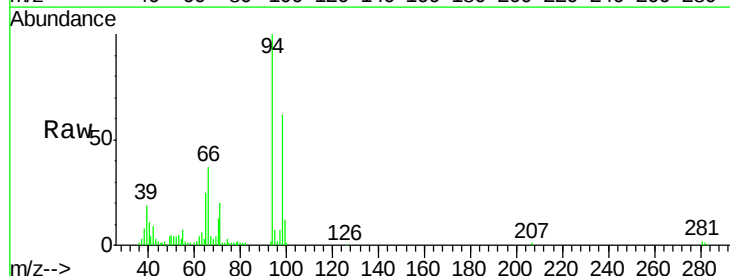
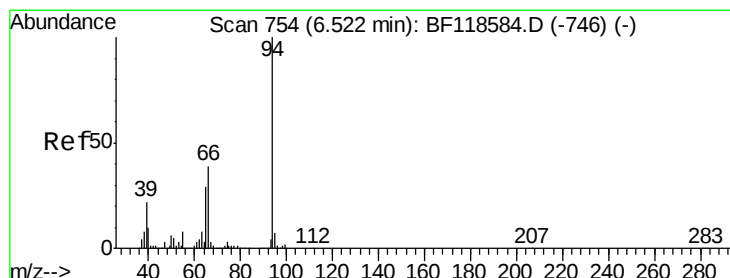
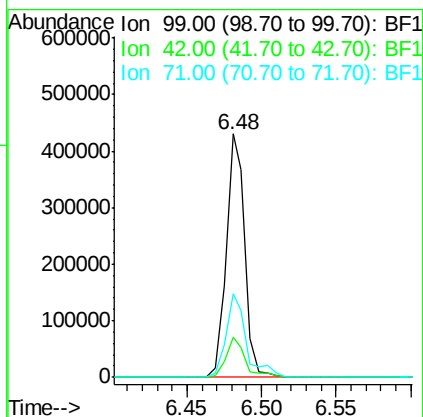
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 3.920 ng

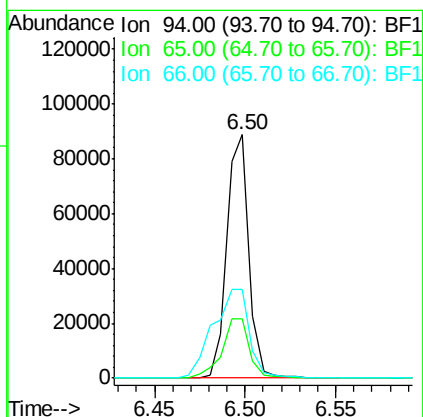
RT: 6.50 min Scan# 750

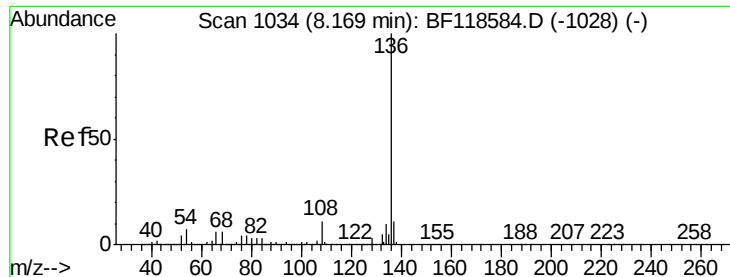
Delta R.T. -0.02 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		74996		
65	24.5	9.5	49.5		
66	36.6	18.5	58.5		





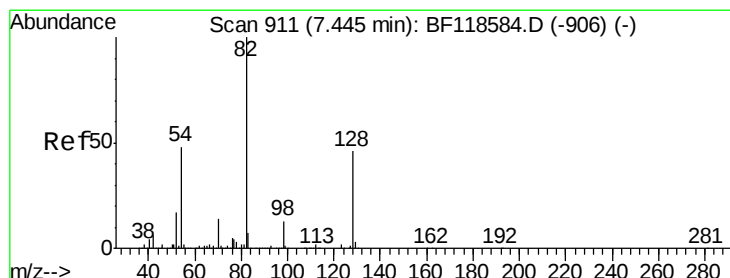
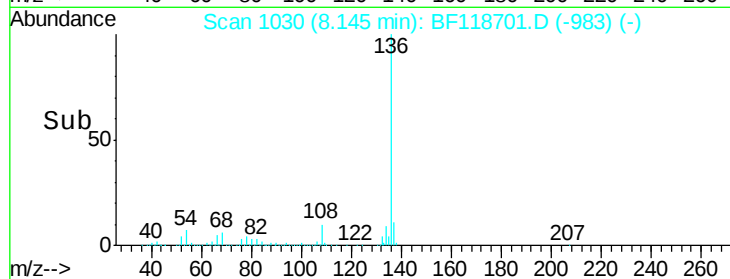
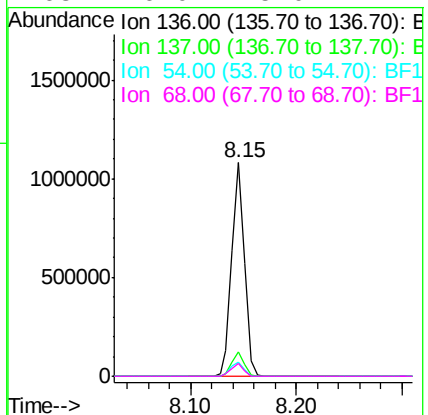
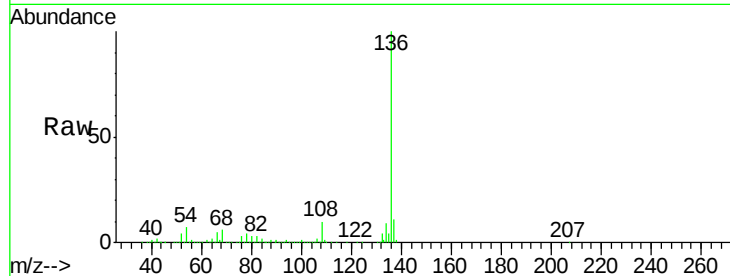
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	9.1	13.7	
54	6.6	5.8	8.6	
68	6.0	5.0	7.4	

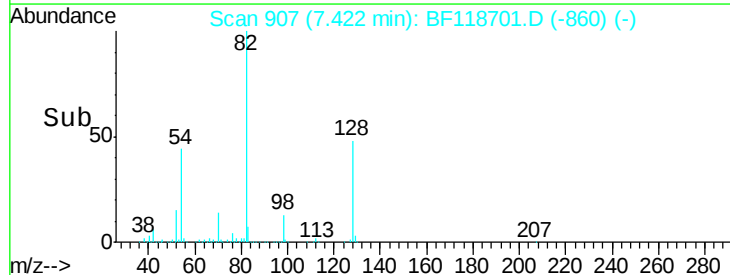
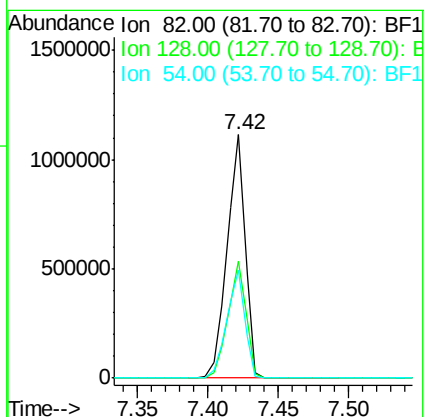
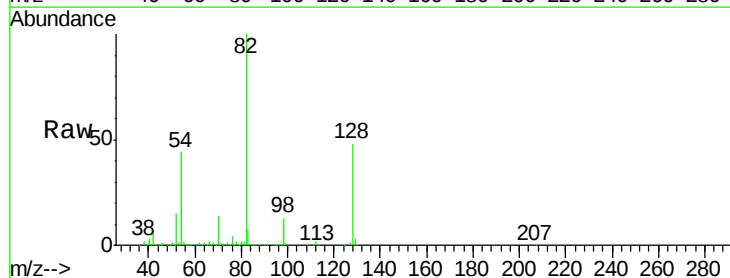
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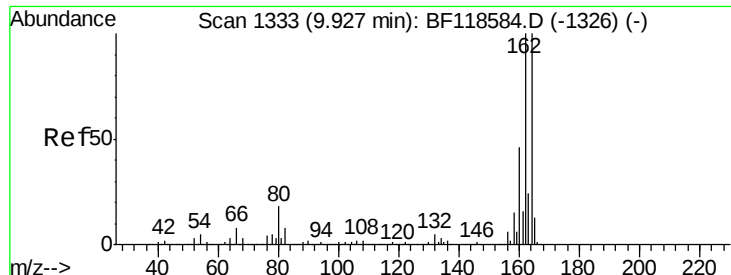
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#23
Nitrobenzene-d5
Concen: 62.254 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.8	36.6	54.8	
54	44.3	38.0	57.0	





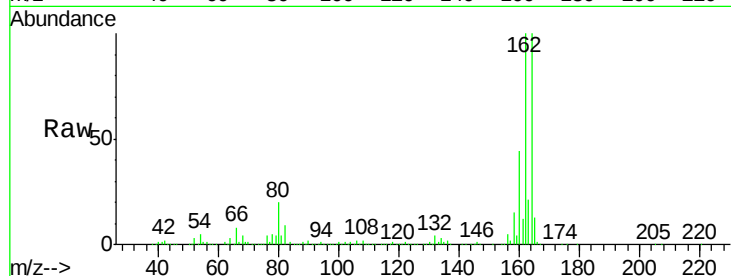
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

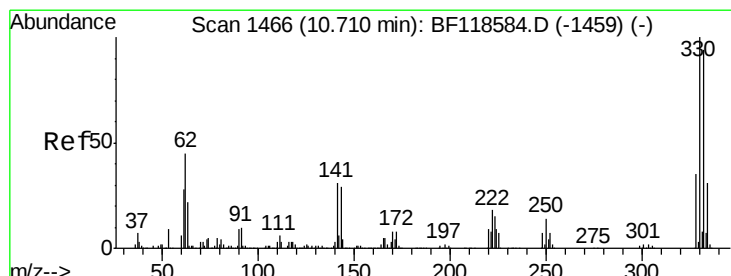
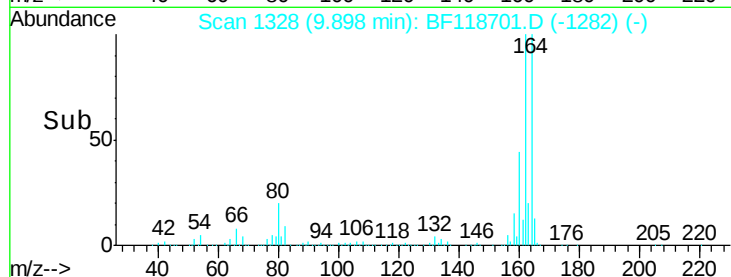
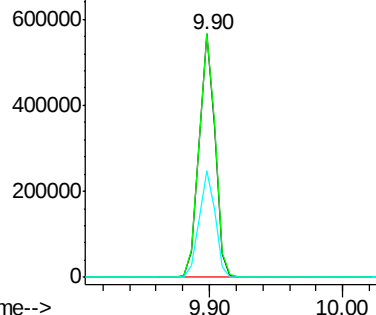
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.8	80.4	120.6	
160	44.0	36.6	55.0	

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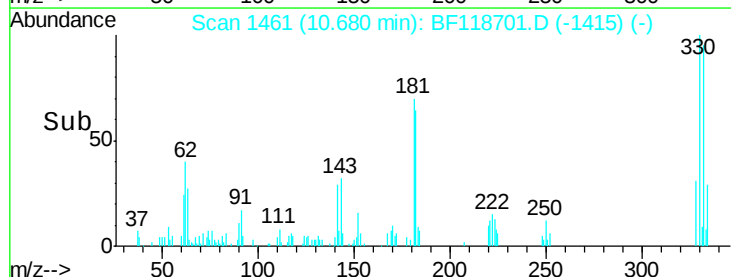
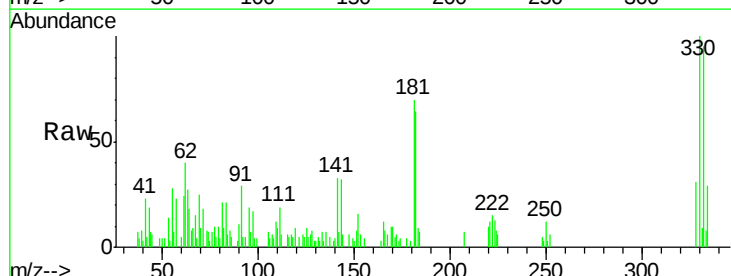
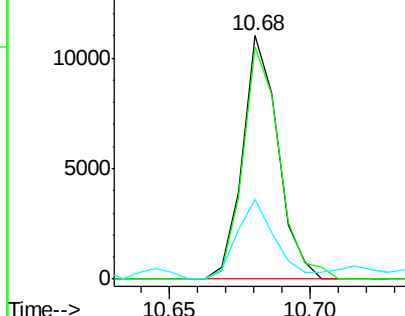
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

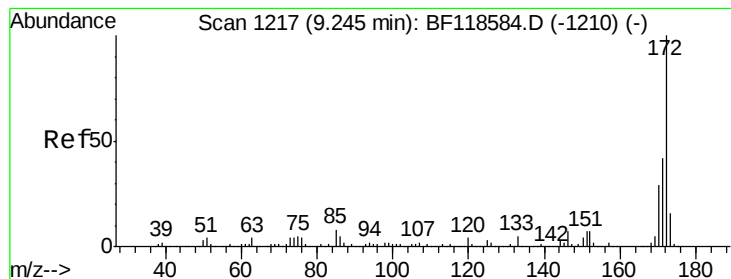


#42
2,4,6-Tribromophenol
Concen: 1.720 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.03 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.8	76.2	114.4	
141	36.4	23.9	35.9#	

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: 55.736 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.02 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

Instrument :

BNA_F

ClientSampleId :

20200063-AMENDED-COMP-1

Tot Ion:172 Resp: 1628912

Ion Ratio Lower Upper

172 100

171 36.6 33.4 50.2

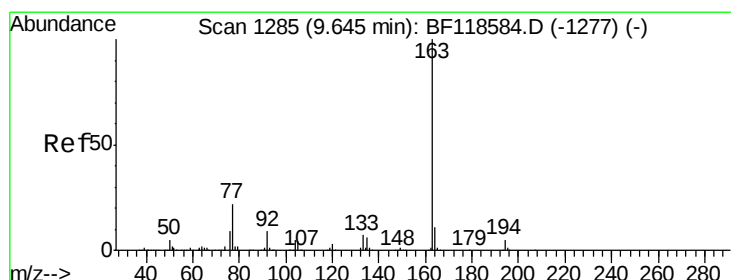
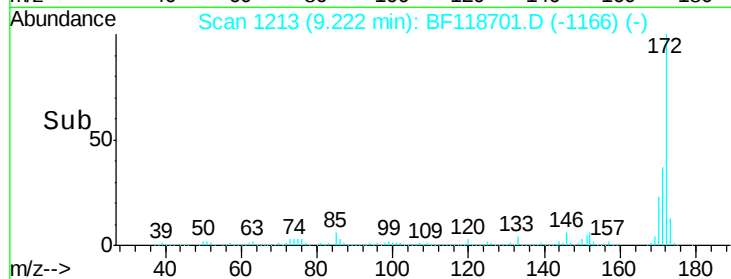
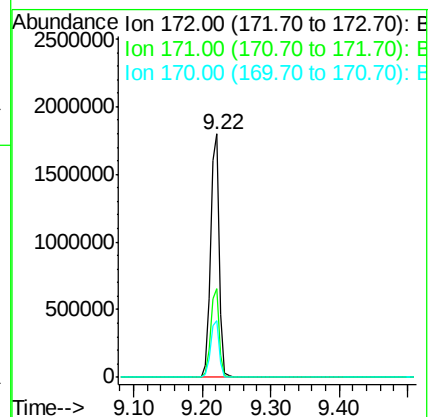
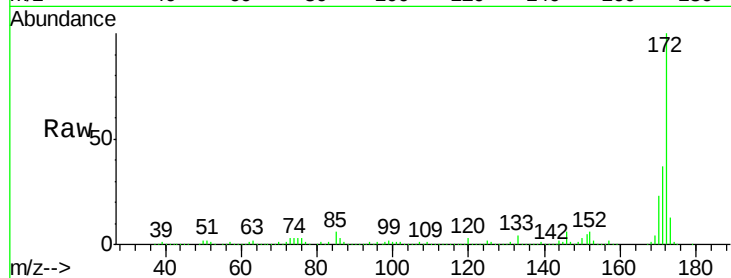
170 23.3 23.2 34.8

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#50

Dimethylphthalate

Concen: 10.164 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.04 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

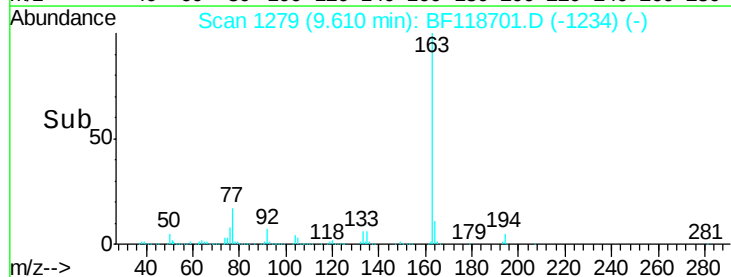
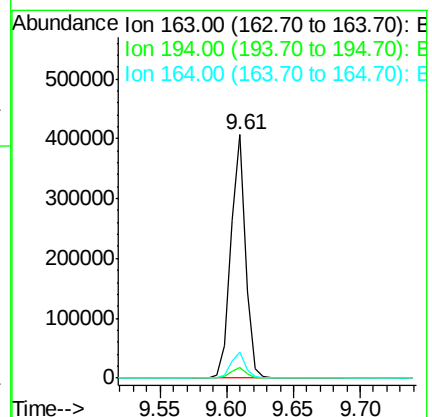
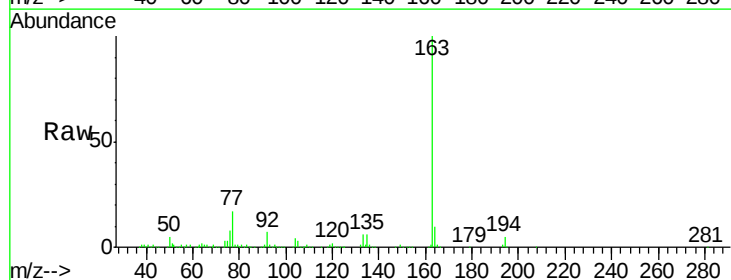
Tgt Ion:163 Resp: 318102

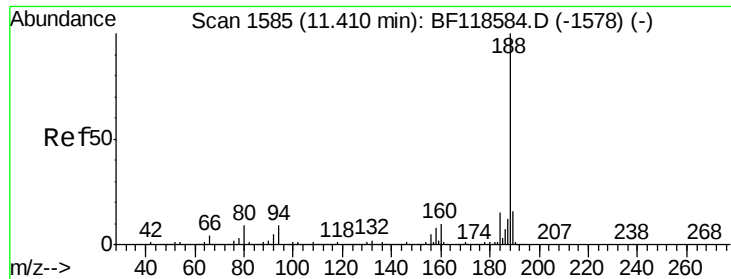
Ion Ratio Lower Upper

163 100

194 4.6 3.9 5.9

164 10.5 9.1 13.7





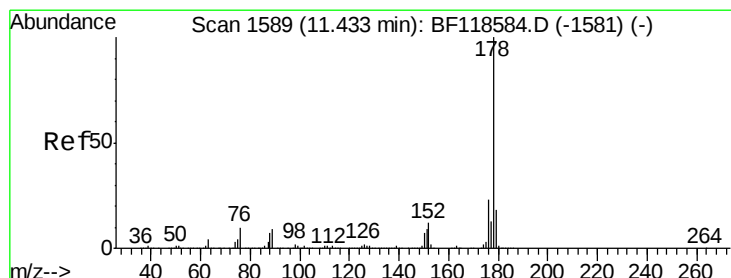
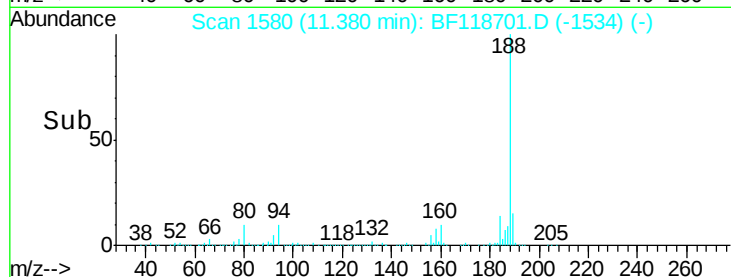
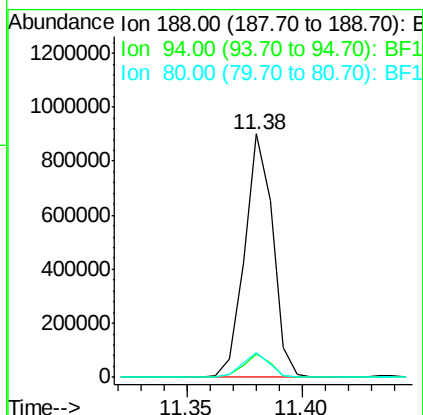
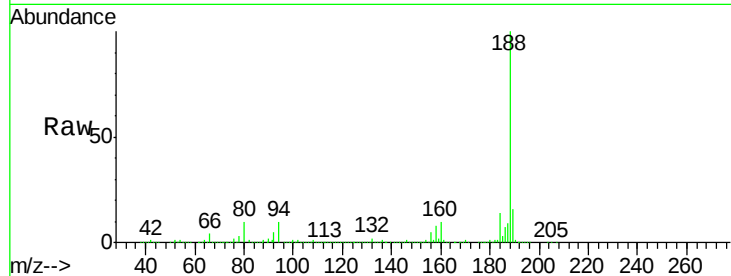
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.03 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	768657		
94	9.8		7.1	10.7
80	10.1		7.5	11.3

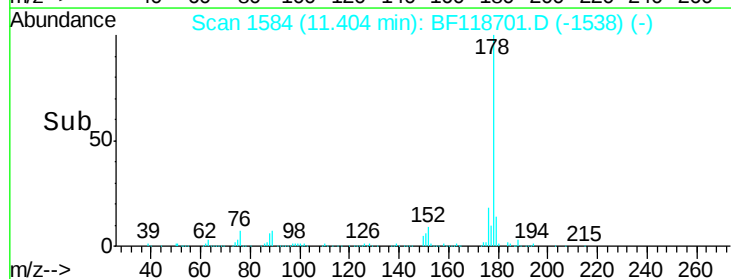
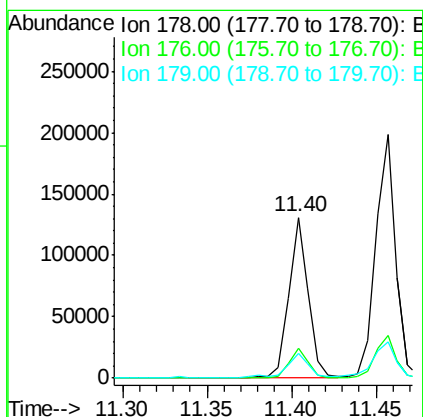
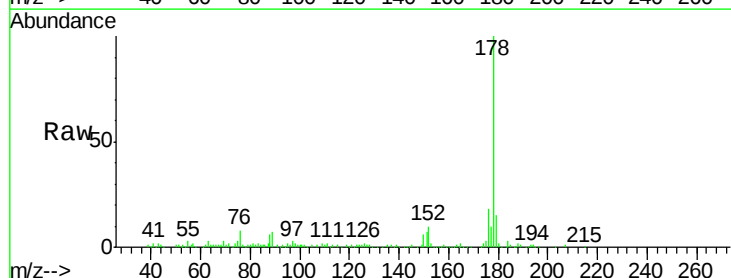
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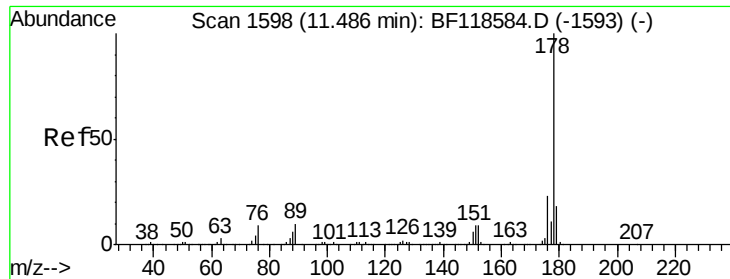
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#71
Phenanthrene
Concen: 2.874 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.03 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	106578		
176	18.3		18.6	27.8#
179	15.0		14.7	22.1





#72

Anthracene

Concen: 4.419 ng/mL

RT: 11.46 min Scan# 1593

Delta R.T. -0.03 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

Instrument :

BNA_F

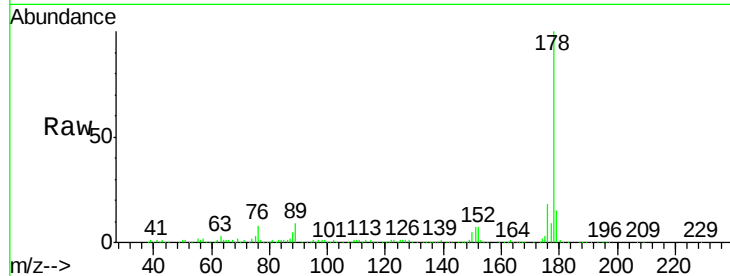
ClientSampleId :

20200063-AMENDED-COMP-1

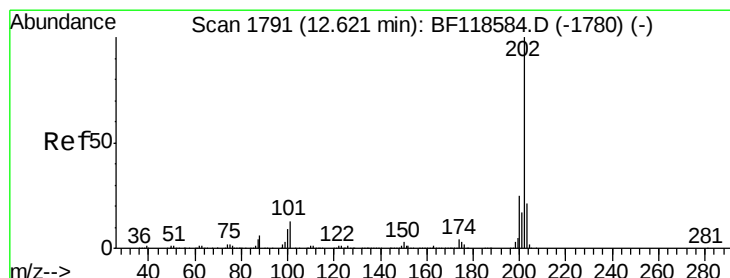
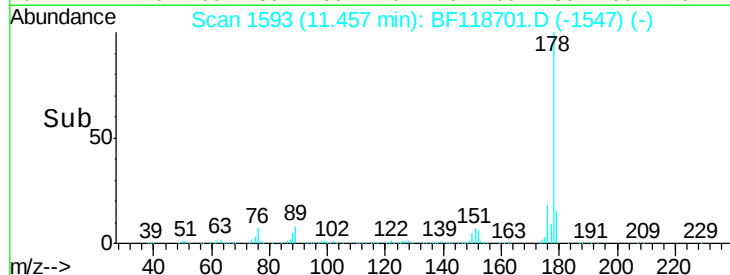
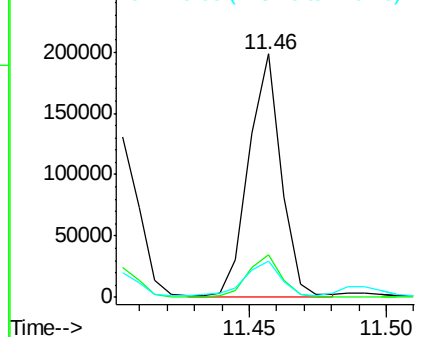
Tot Ion:	178	Resp:	162140
Ion Ratio	Lower	Upper	
178	100		
176	17.8	18.0	27.0#
179	15.0	14.7	22.1

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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: 26.683 ng/mL

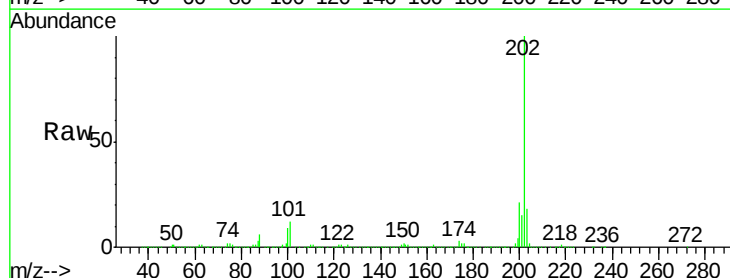
RT: 12.59 min Scan# 1786

Delta R.T. -0.03 min

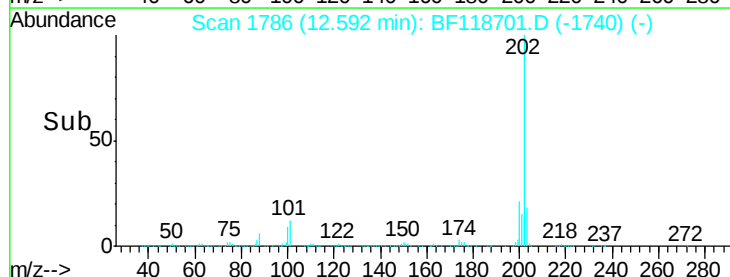
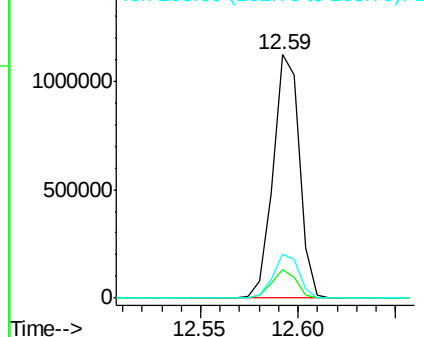
Lab File: BF118701.D

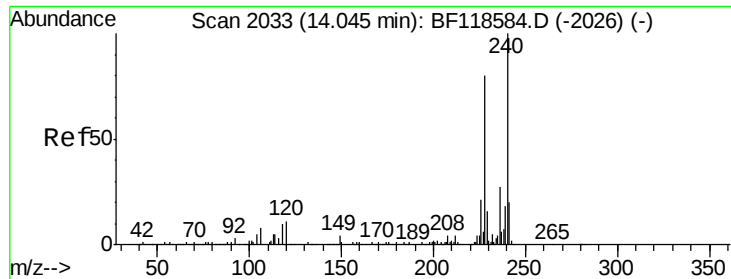
Acq: 24 Jan 2020 22:31

Tgt Ion:	202	Resp:	1043649
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	32.5
203	18.1	0.8	40.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





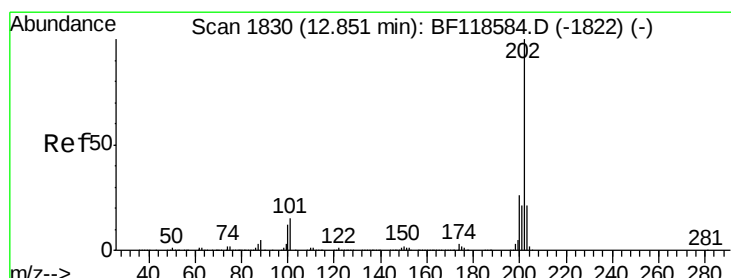
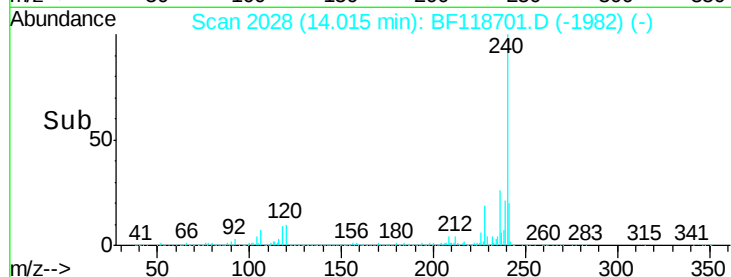
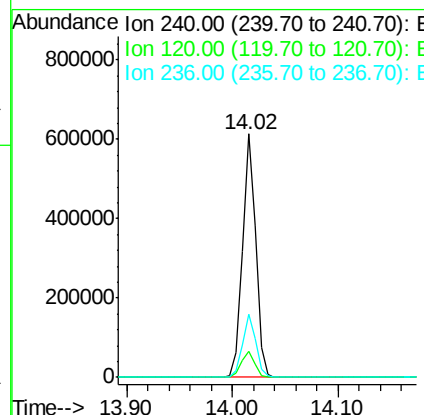
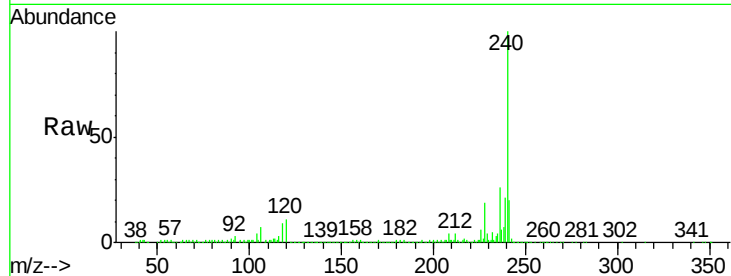
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.03 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.8	21.5	32.3

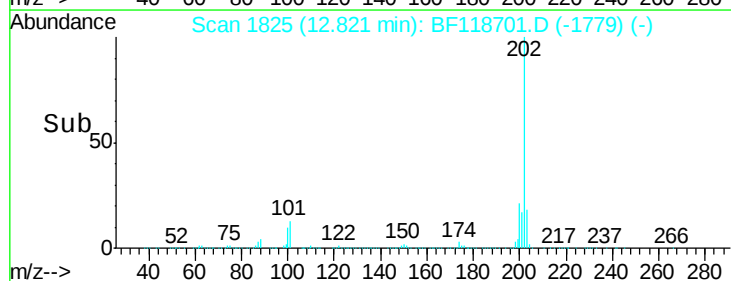
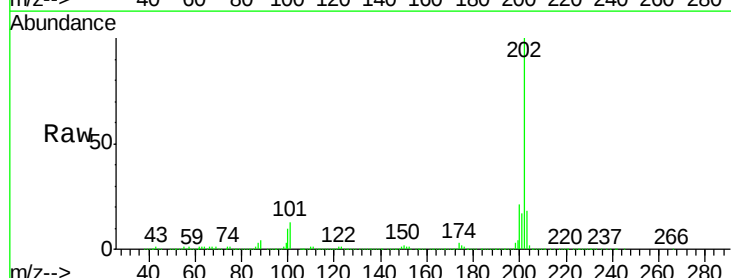
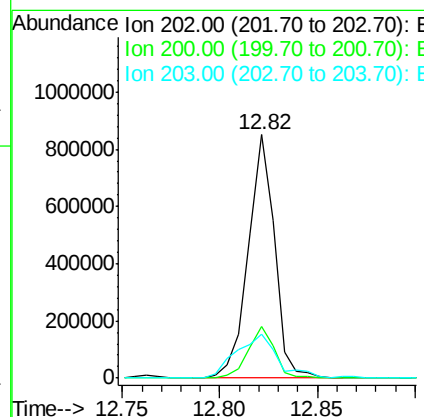
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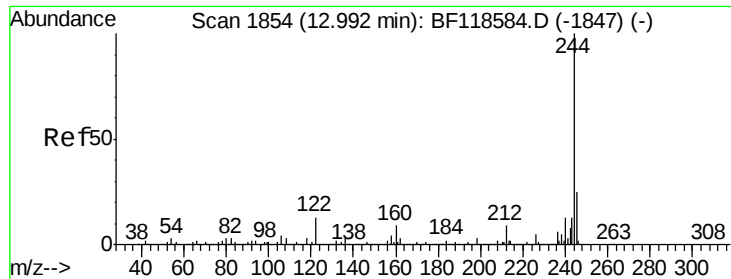
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#78
Pyrene
Concen: 22.499 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	20.6	31.0
203	18.1	16.8	25.2





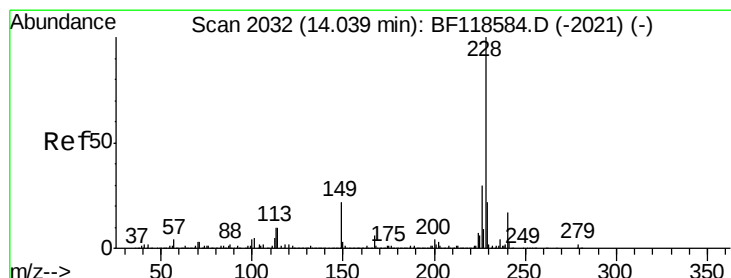
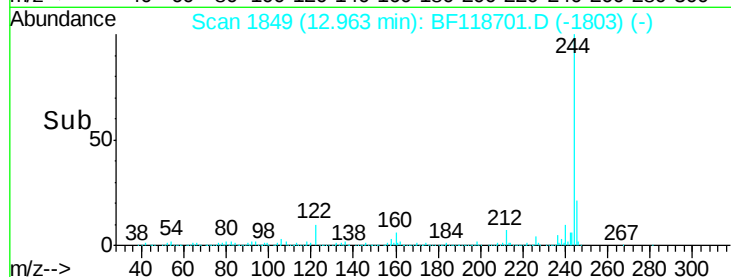
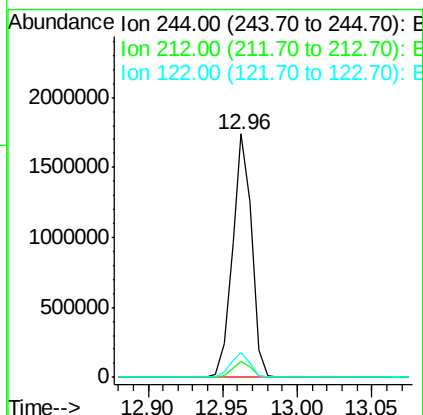
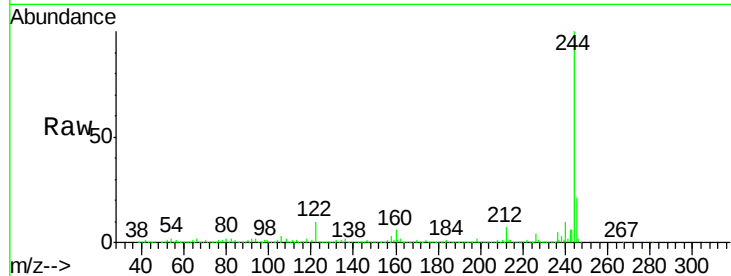
#79
 Terphenyl-d14
 Concen: 65.661 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.03 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

Instrument :
 BNA_F
 ClientSampleId :
 20200063-AMENDED-COMP-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	7.0	10.4#
122	10.2	10.7	16.1#

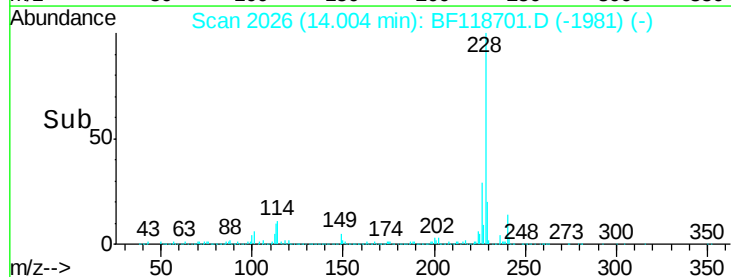
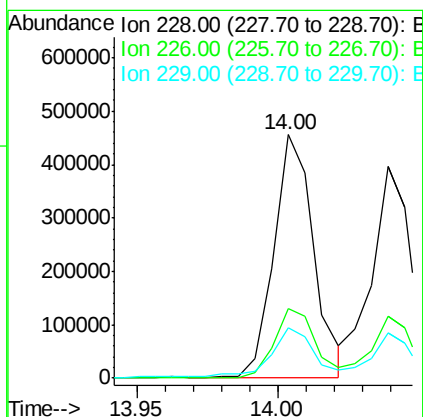
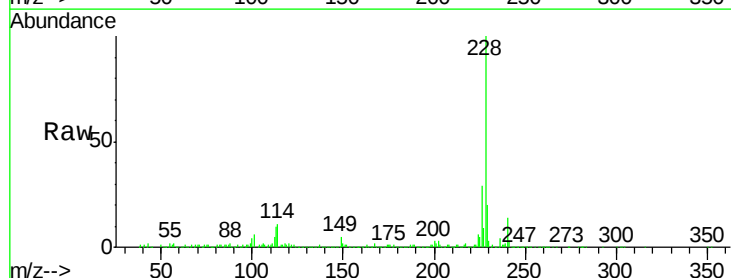
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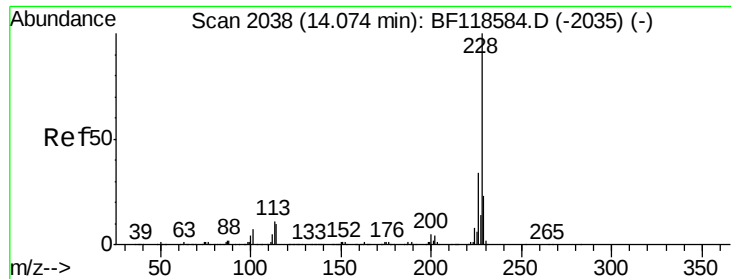
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#81
 Benzo(a)anthracene
 Concen: 14.186 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.04 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.1	36.1
229	20.4	17.6	26.4





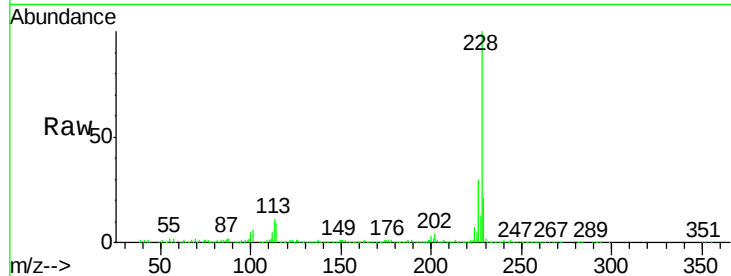
#83
Chrysene
Concen: 12.615 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.04 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
228	100	378010		
226	29.5		27.4	41.0
229	21.2		18.3	27.5

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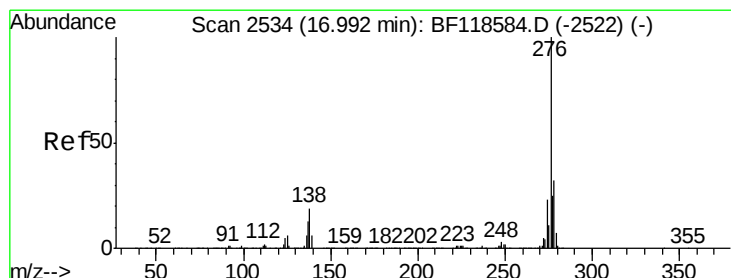
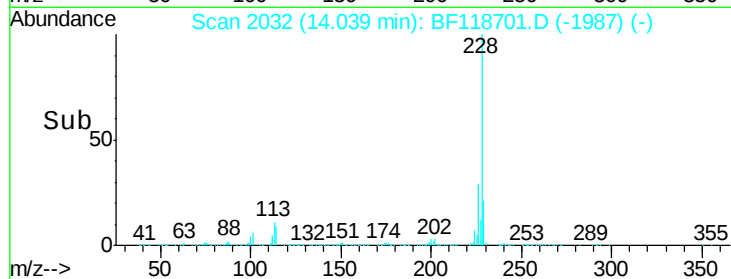
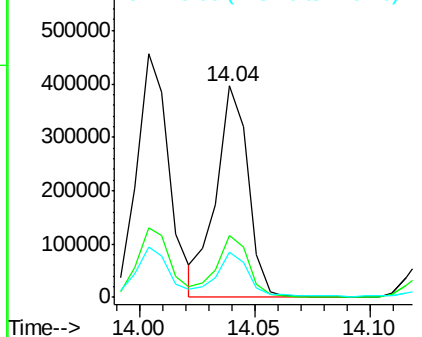


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.570 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.05 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

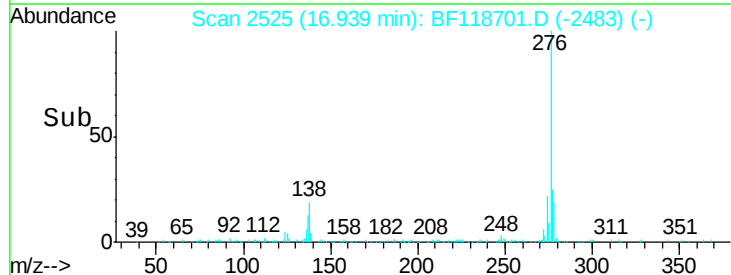
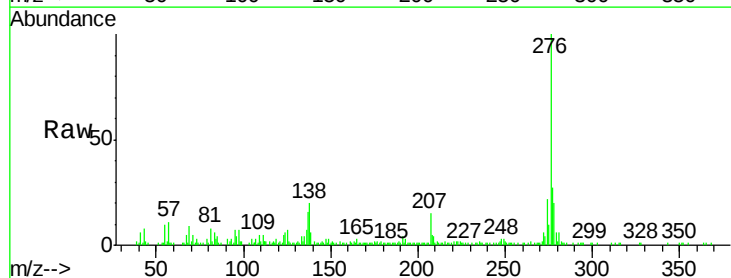
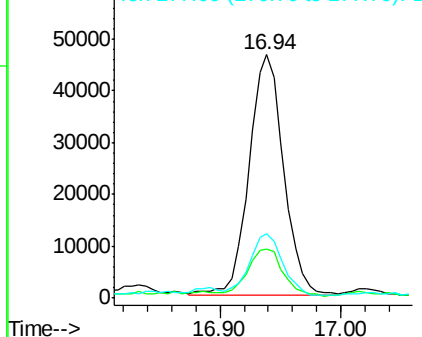
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	92953		
138	20.2		17.2	25.8
277	24.8		20.5	30.7

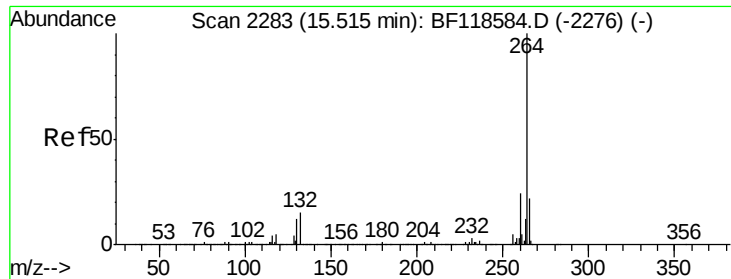
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





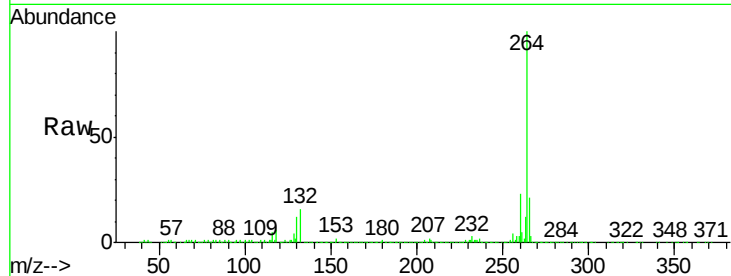
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.04 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

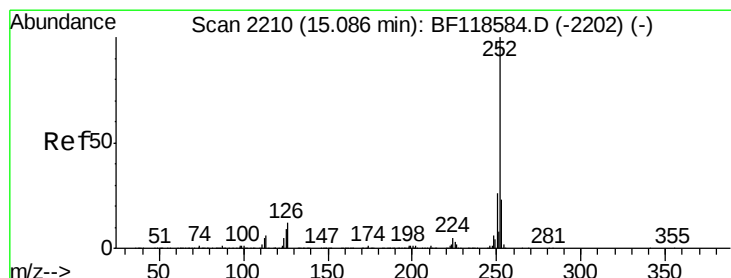
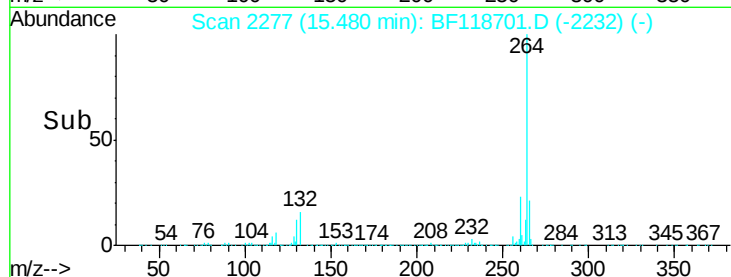
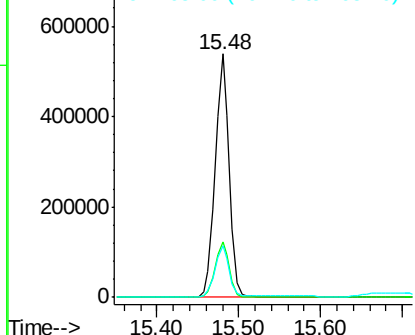
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.6	29.4
265	21.3	17.7	26.5

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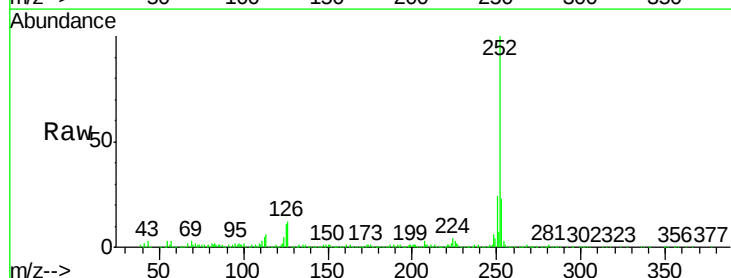


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

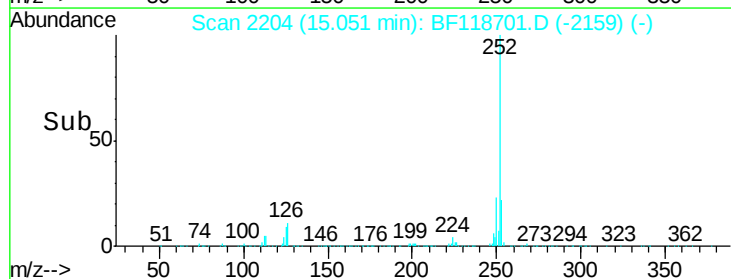
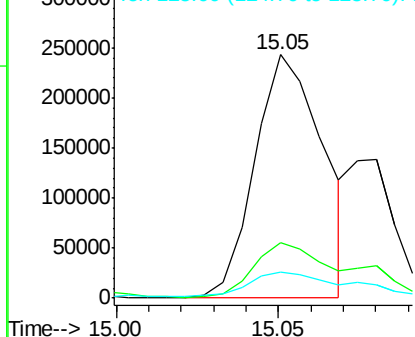


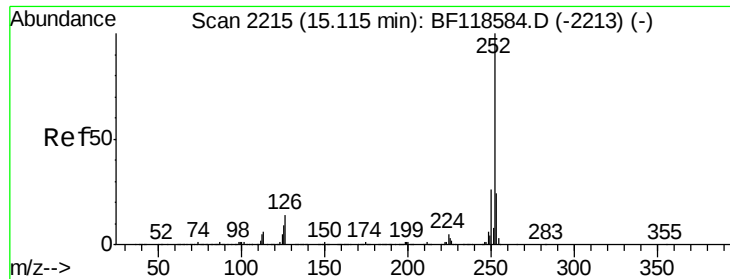
#88
Benzo(b)fluoranthene
Concen: 8.801 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.7	28.1
125	10.6	7.3	10.9



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





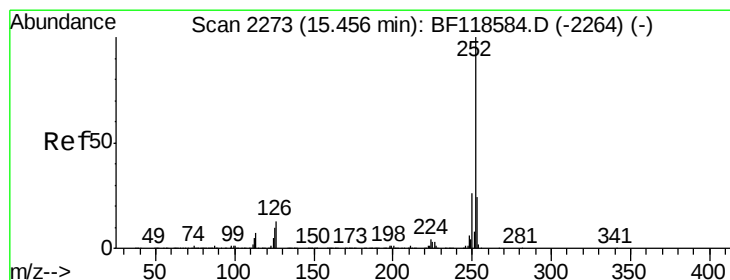
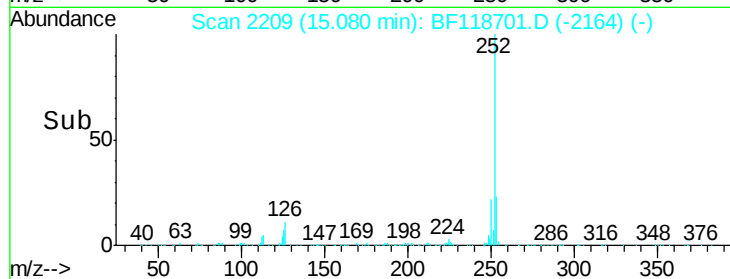
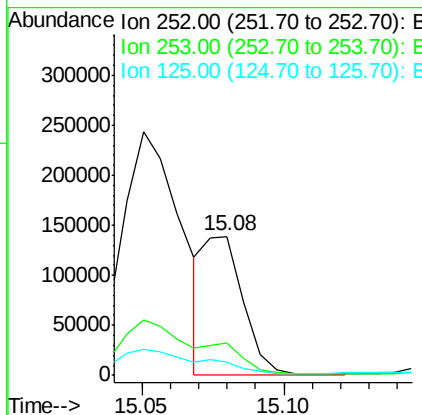
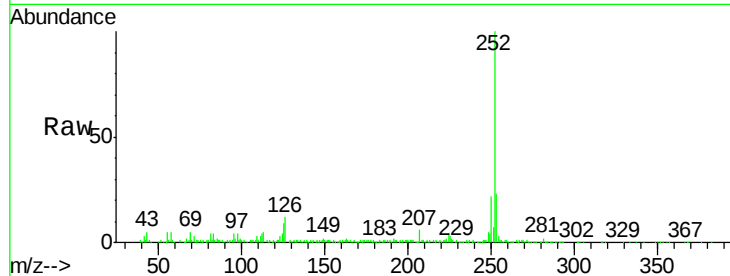
#89
Benzo(k)fluoranthene
Concen: 3.589 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.4
125	9.2	7.6	11.4

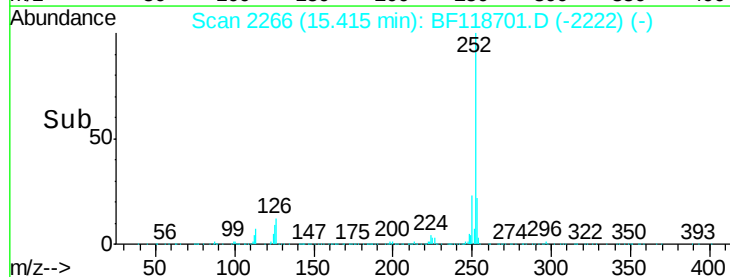
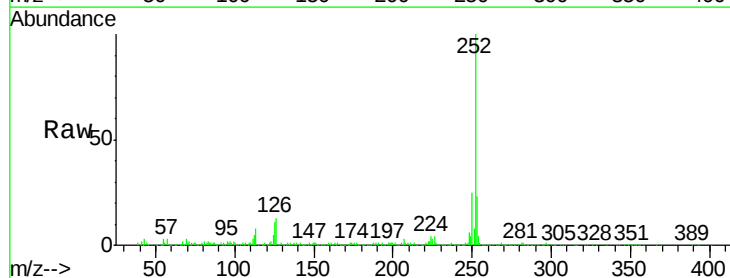
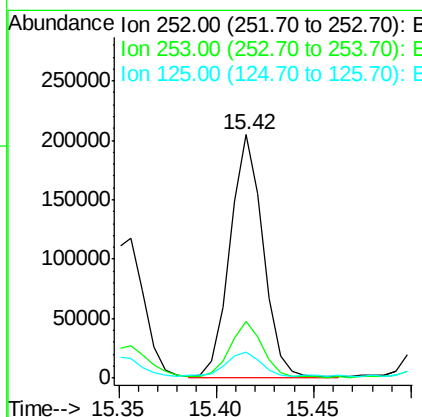
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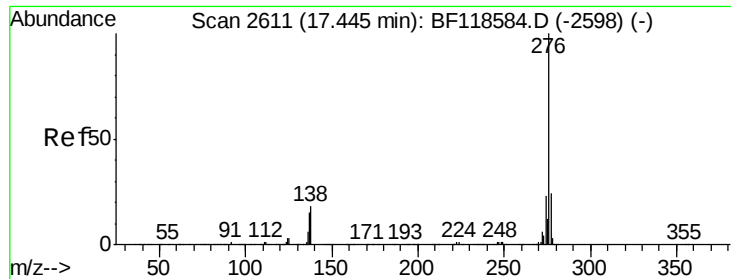
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#90
Benzo(a)pyrene
Concen: 6.917 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.04 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.8	28.2
125	10.9	7.8	11.6





#92
 Benzo(a,h,i)perylene
 Concen: 2.598 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. -0.06 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

Instrument :
 BNA_F
 ClientSampleId :
 20200063-AMENDED-COMP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.9	28.3
138	19.5	14.4	21.6

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