

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121803.D
 Acq On : 2 Oct 2020 19:49
 Operator : JU/CG
 Sample : L4213-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-17(3-4)

Manual Integrations
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 10/5/2020 10:27:47 AM

Quant Time: Oct 03 01:20:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	135801	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	496456	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	223236	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	344537	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	264548	20.00	ng	-0.01
86) Perylene-d12	15.36	264	244802	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	825821	90.37	ng	0.00
7) Phenol-d6	6.40	99	1065208	88.85	ng	-0.01
23) Nitrobenzene-d5	7.33	82	733590	79.34	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	232074	83.64	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	1182179	80.20	ng	-0.01
79) Terphenyl-d14	12.87	244	914642	70.04	ng	-0.01

Target Compounds				Qvalue		
49) Acenaphthylene	9.66	152	58957	2.725	ng	97
50) Dimethylphthalate	9.52	163	142772	8.824	ng	100
52) Acenaphthene	9.83	154	28810	2.108	ng	97
58) Fluorene	10.35	166	37323	2.536	ng	97
71) Phenanthrene	11.31	178	436212	23.238	ng	99
72) Anthracene	11.36	178	122865	6.343	ng	98
73) Carbazole	11.52	167	49883	2.854	ng	99
75) Fluoranthene	12.50	202	636249	31.751	ng	98
78) Pyrene	12.73	202	570394	29.510	ng	100
81) Benzo(a)anthracene	13.91	228	345336	20.634	ng	97
83) Chrysene	13.94	228	298589	17.618	ng	98
87) Indeno(1,2,3-cd)pyrene	16.77	276	155710	9.767	ng	96
88) Benzo(b)fluoranthene	14.95	252	381565m	23.316	ng	
89) Benzo(k)fluoranthene	14.97	252	132990m	8.874	ng	
90) Benzo(a)pyrene	15.30	252	267262	19.212	ng	97
91) Dibenzo(a,h)anthracene	16.77	278	41496m	3.127	ng	
92) Benzo(g,h,i)perylene	17.20	276	146234	11.210	ng	99

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

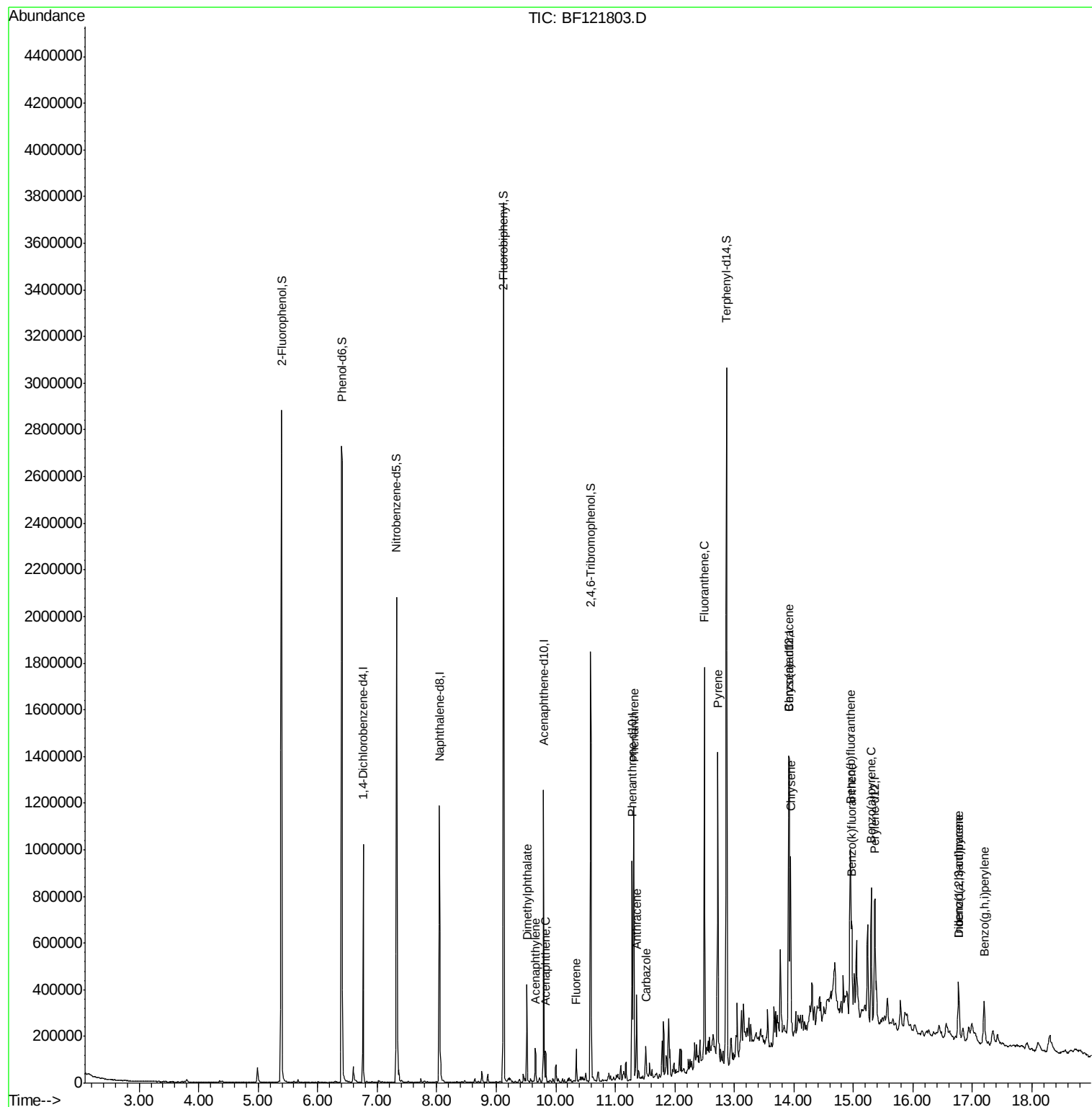
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121803.D
Acq On : 2 Oct 2020 19:49
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ALS Vial : 18 Sample Multiplier: 1

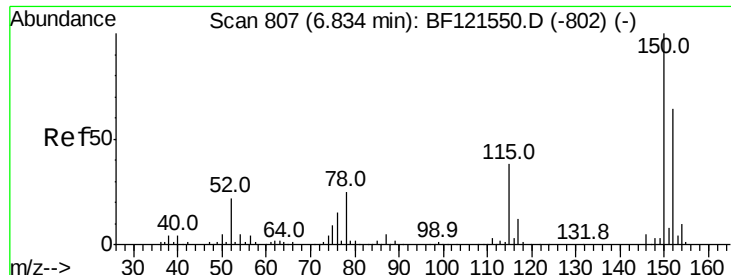
Instrument :
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ClientSampleId :
B-17(3-4)

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Quant Time: Oct 03 01:20:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

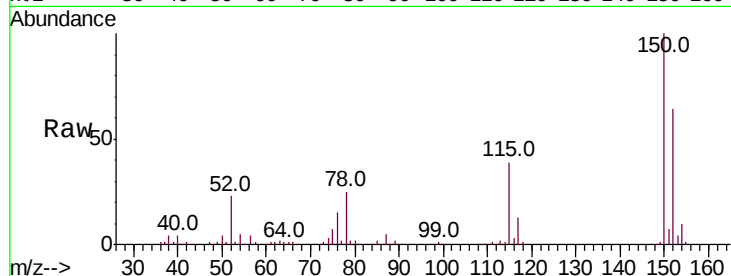
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Instrument :
BNA_F
ClientSampleId :
B-17(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.3	187.9
115	60.6	51.9	77.9

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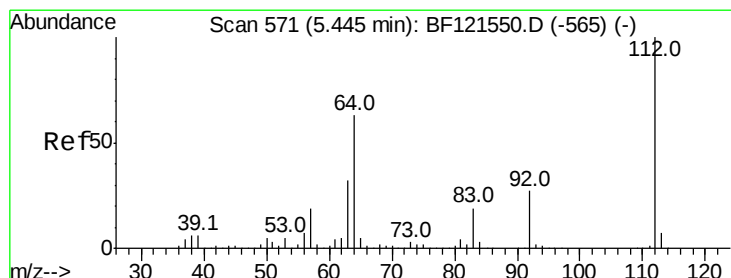
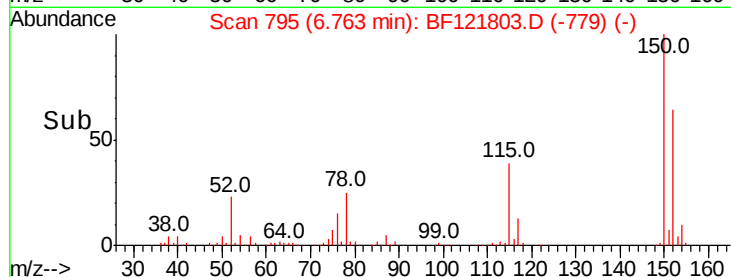
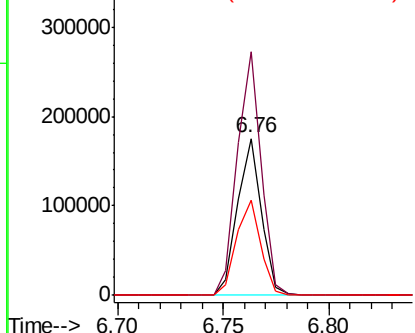


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

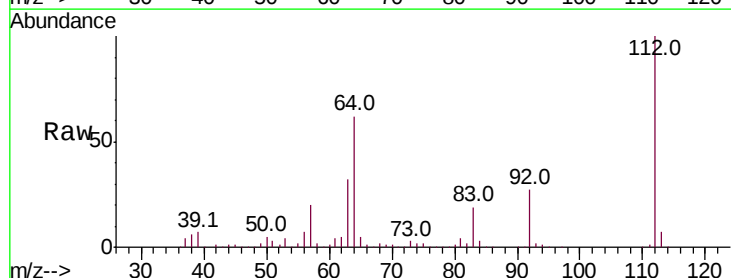
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.373 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	50.4	75.6
63	31.5	25.8	38.6

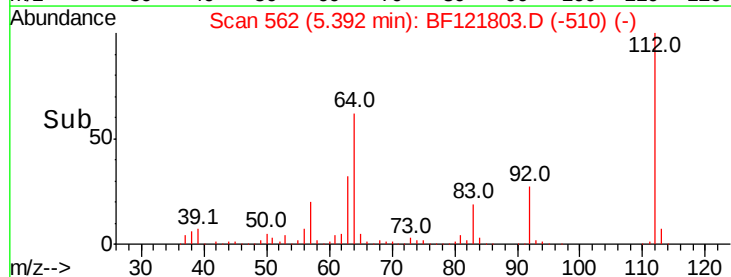
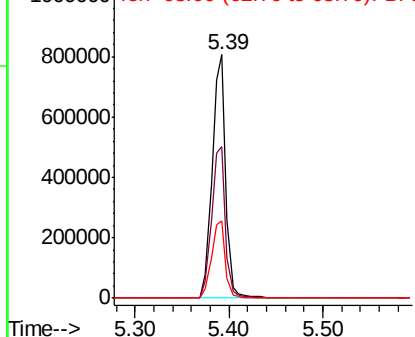


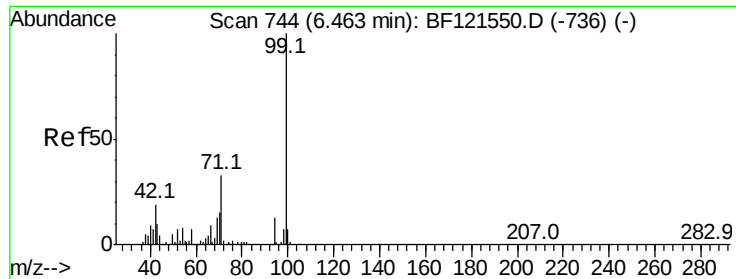
Abundance

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: 88.853 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Instrument :

BNA_F

ClientSampleId :

B-17(3-4)

Tot Ion: 99 Resp: 1065208

Ion Ratio Lower Upper

99 100

42 20.7 15.9 23.9

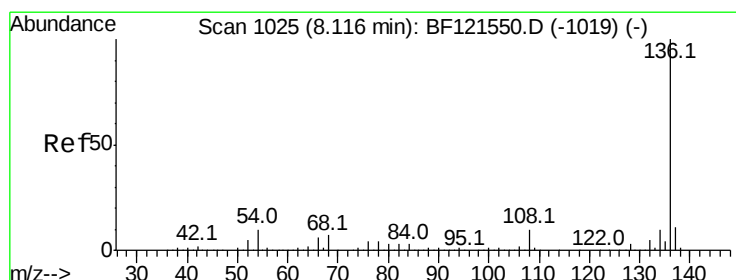
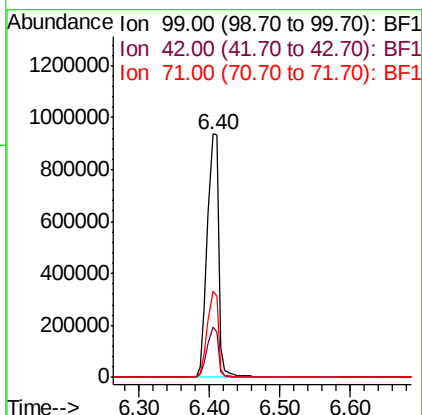
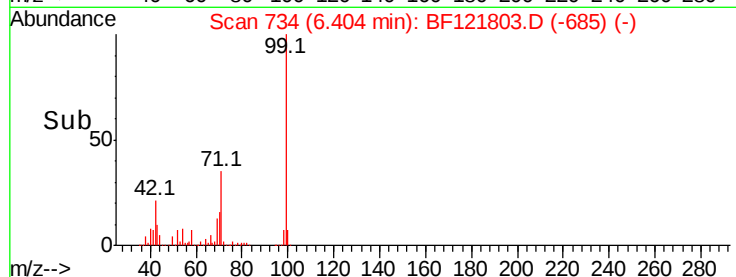
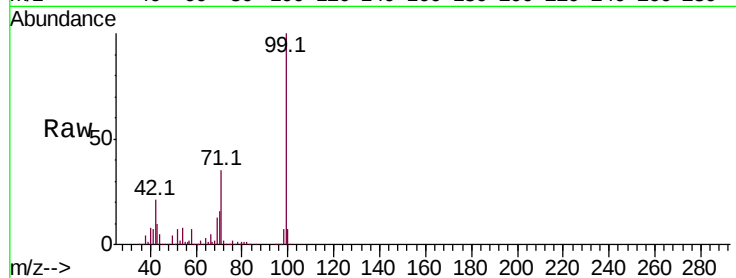
71 35.3 27.1 40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Tgt Ion: 136 Resp: 496456

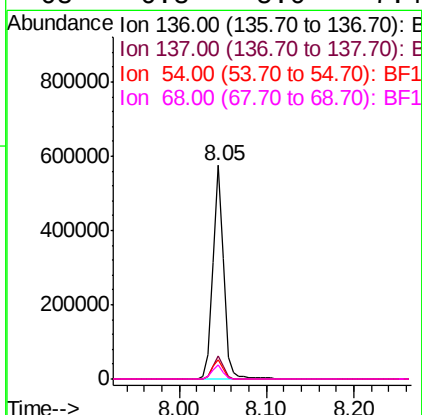
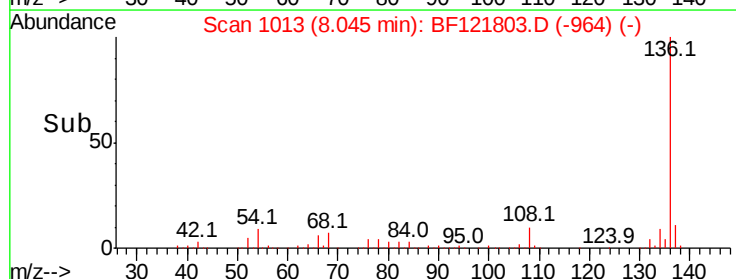
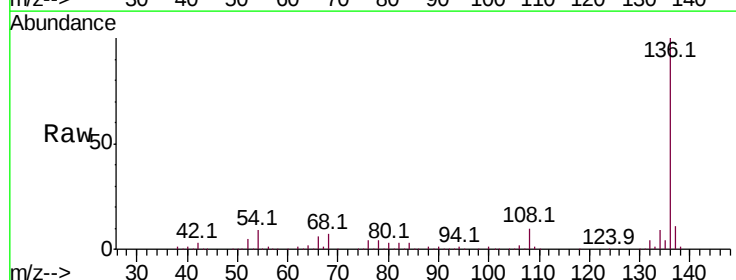
Ion Ratio Lower Upper

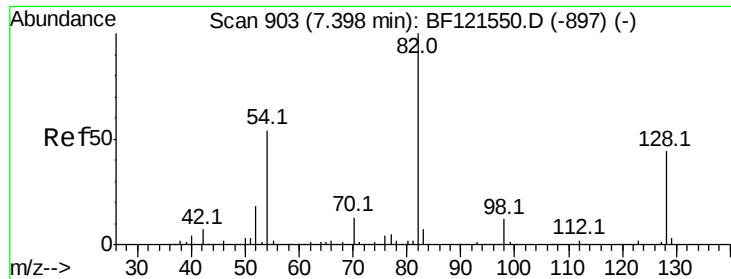
136 100

137 11.0 8.6 13.0

54 9.3 7.1 10.7

68 6.8 5.0 7.4





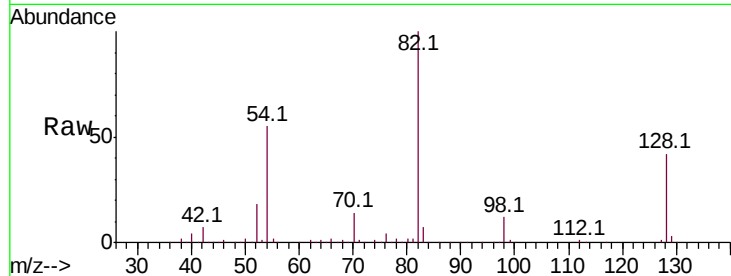
#23
Nitrobenzene-d5
Concen: 79.338 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Instrument :
BNA_F
ClientSampled :
B-17(3-4)

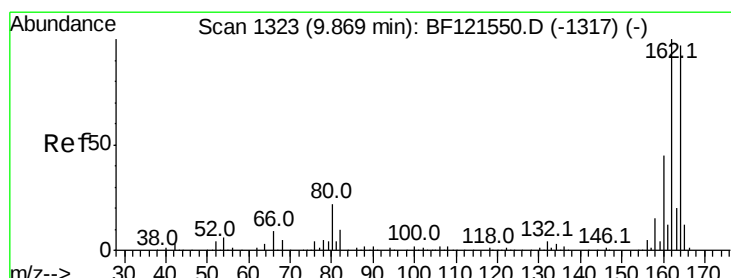
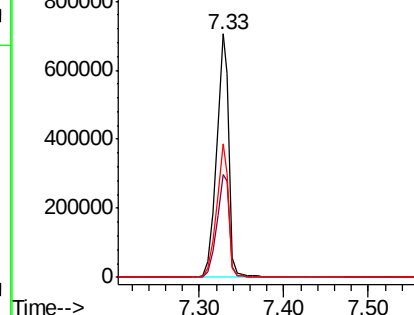
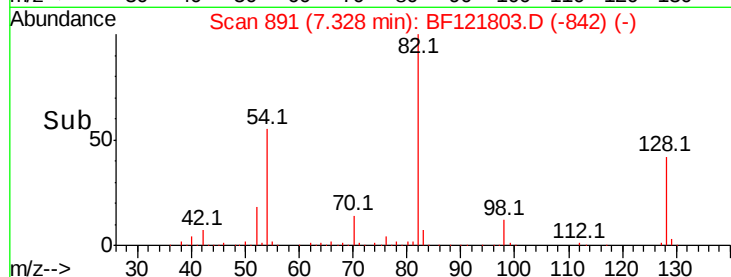
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.0	52.4
54	55.0	43.9	65.9

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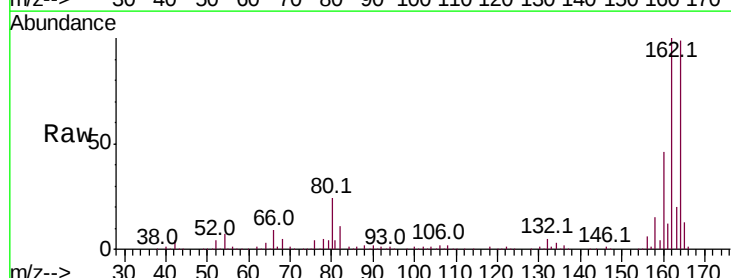


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

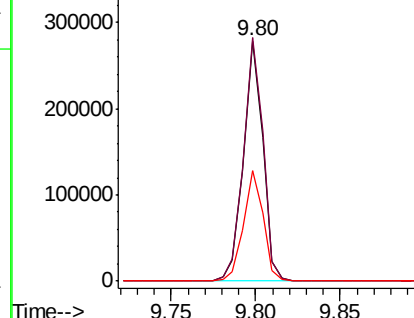
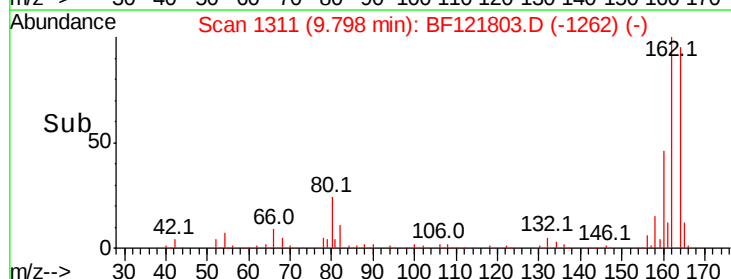


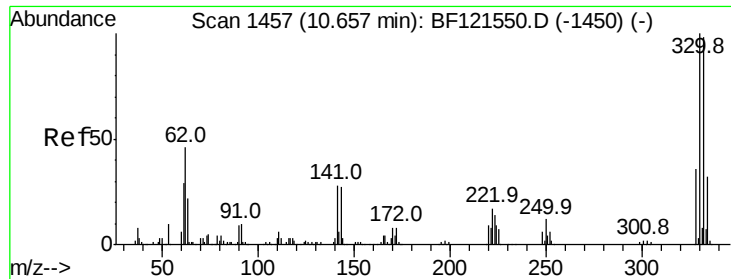
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	83.2	124.8
160	46.2	37.5	56.3



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





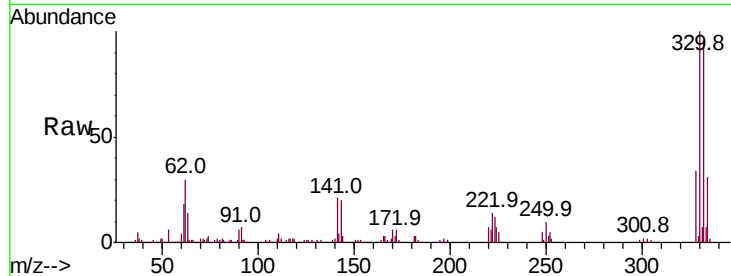
#42
 2,4,6-Tribromophenol
 Concen: 83.645 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121803.D
 Acq: 2 Oct 2020 19:49

Instrument :
 BNA_F
 ClientSampleId :
 B-17(3-4)

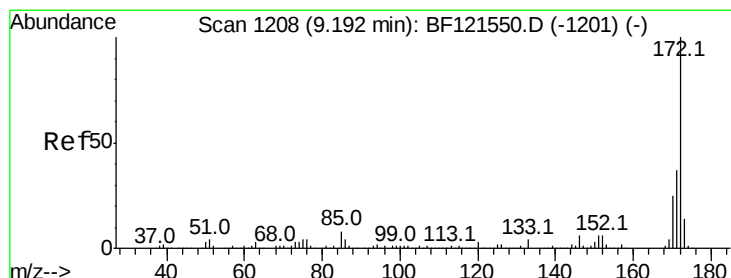
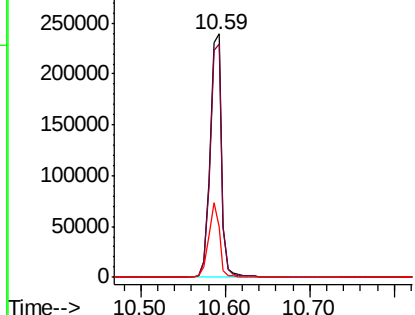
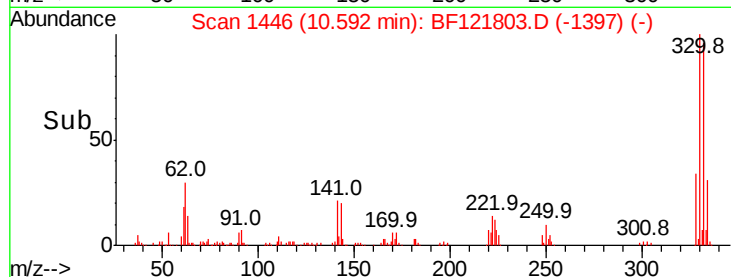
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	29.1	22.3	33.5

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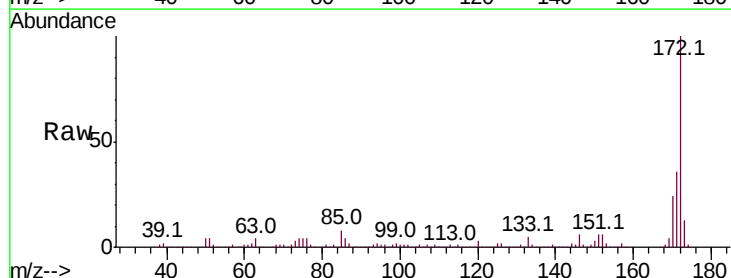


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

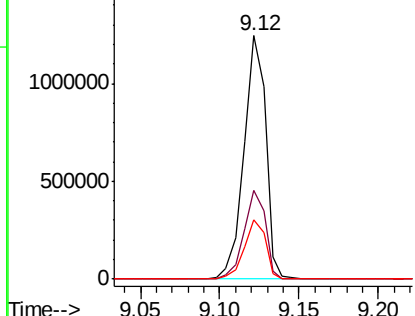
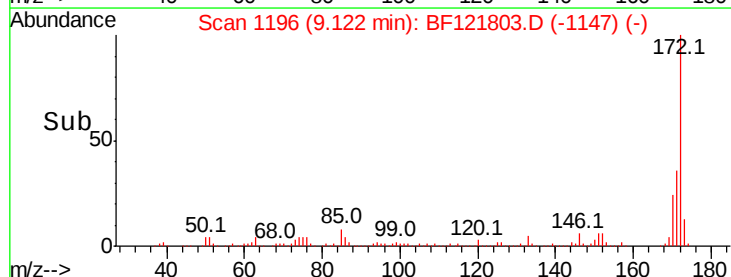


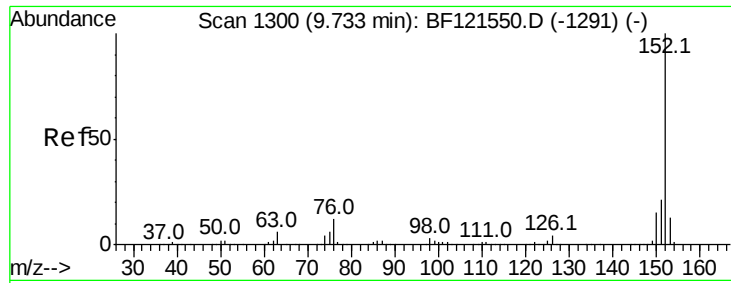
#45
 2-Fluorobiphenyl
 Concen: 80.204 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121803.D
 Acq: 2 Oct 2020 19:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.1	43.7
170	24.3	19.8	29.6



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





#49

Acenaphthylene

Concen: 2.725 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Instrument :

BNA_F

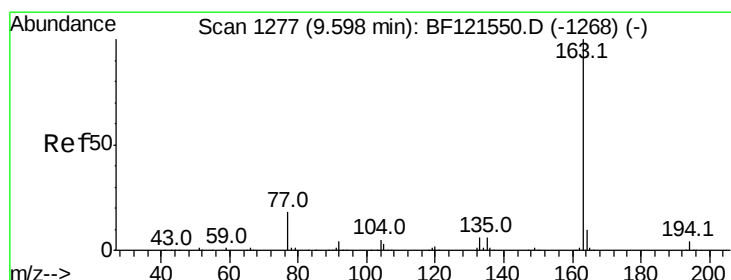
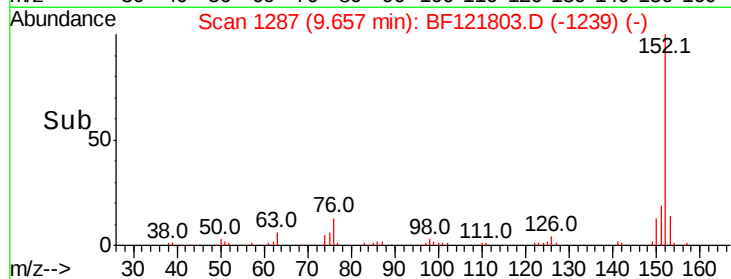
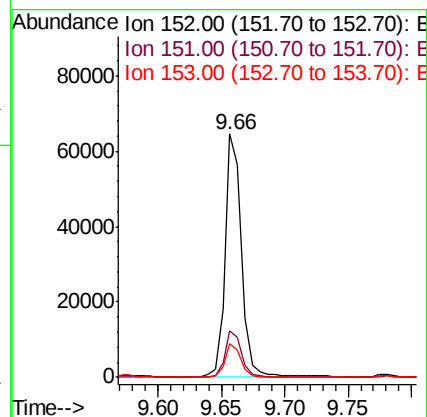
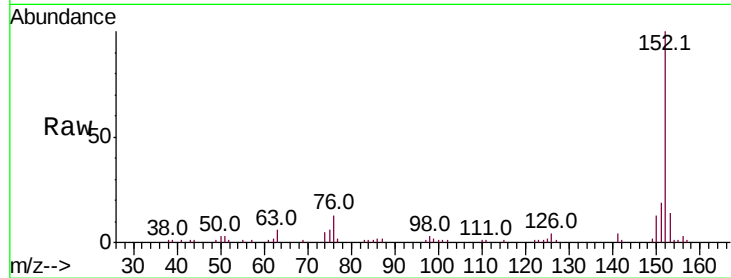
ClientSampleId :

B-17(3-4)

Tot Ion:	152	Resp:	58957
Ion Ratio	Lower	Upper	
152	100		
151	18.9	16.4	24.6
153	14.0	10.6	15.8

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#50

Dimethylphthalate

Concen: 8.824 ng

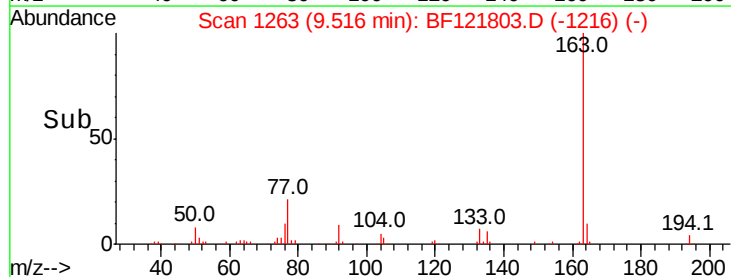
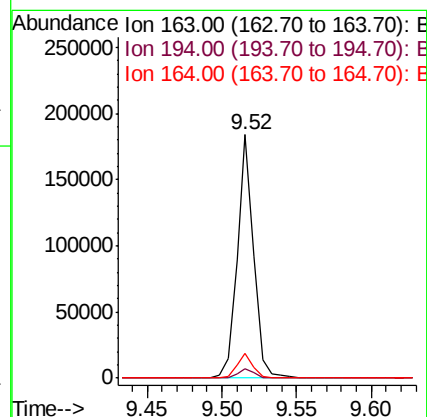
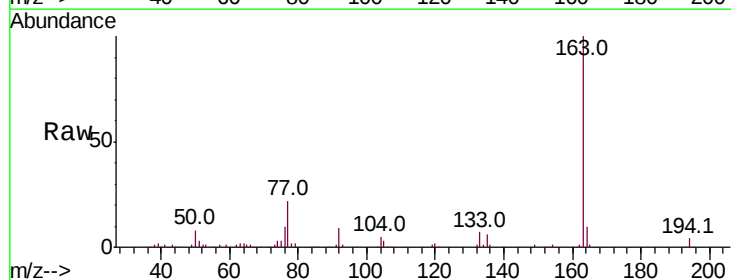
RT: 9.52 min Scan# 1263

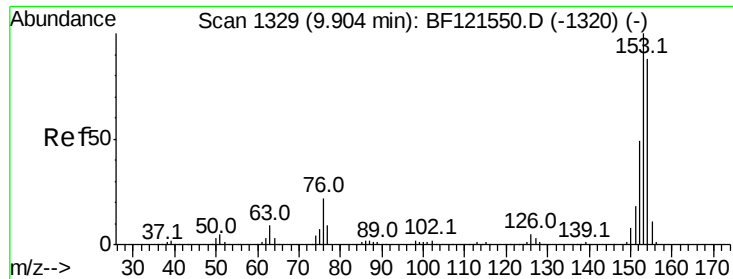
Delta R.T. -0.02 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Tgt Ion:	163	Resp:	142772
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.3	4.9
164	10.2	8.2	12.4





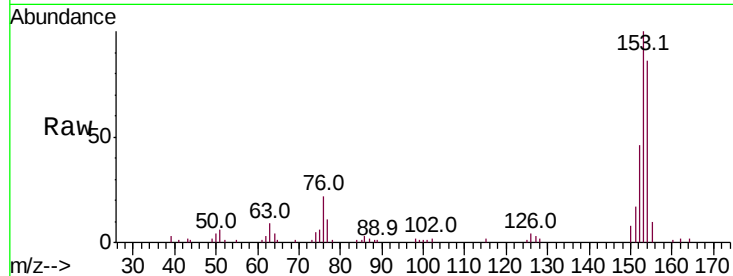
#52
Acenaphthene
Concen: 2.108 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Instrument :
BNA_F
ClientSampled :
B-17(3-4)

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.7	89.8	134.8
152	53.3	43.2	64.8

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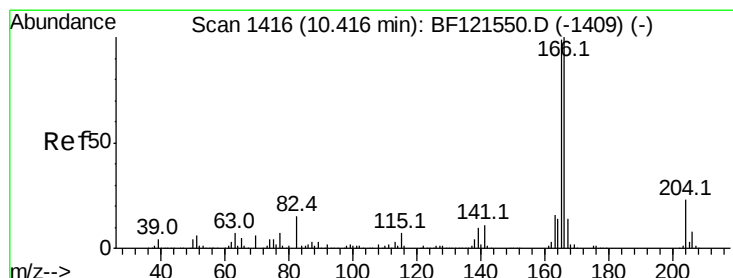
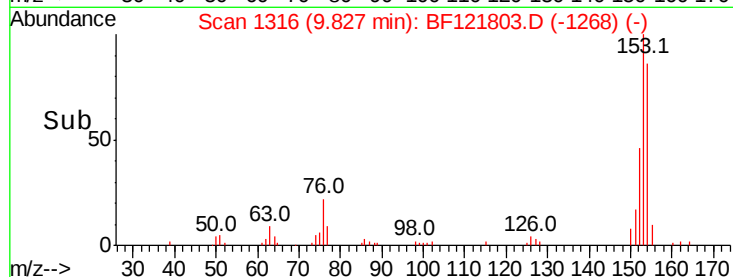
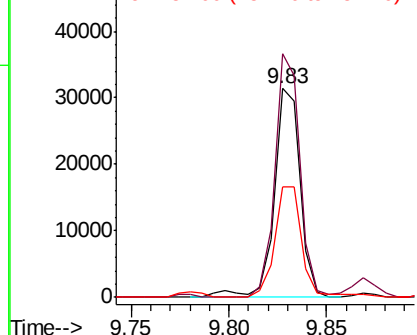


Abundance

Ion 154.00 (153.70 to 154.70): E

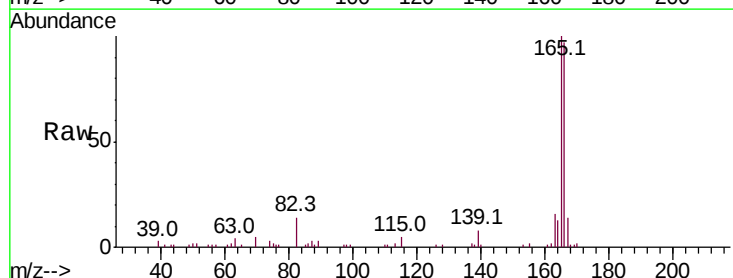
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58
Fluorene
Concen: 2.536 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.7	79.1	118.7
167	14.0	11.0	16.6

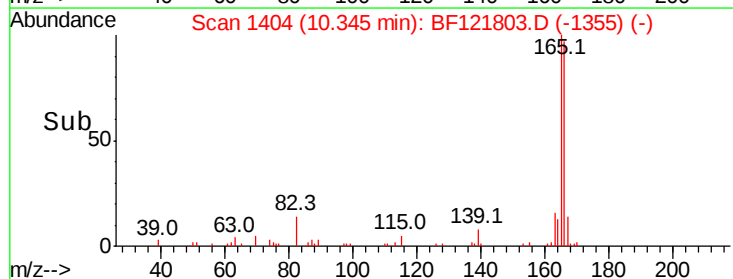
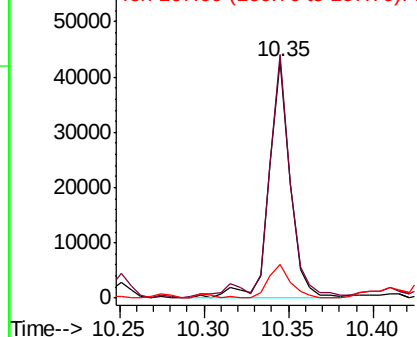


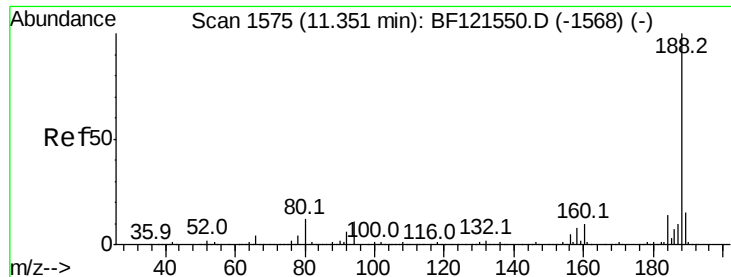
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





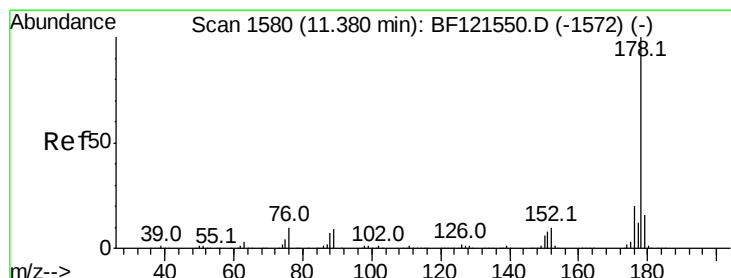
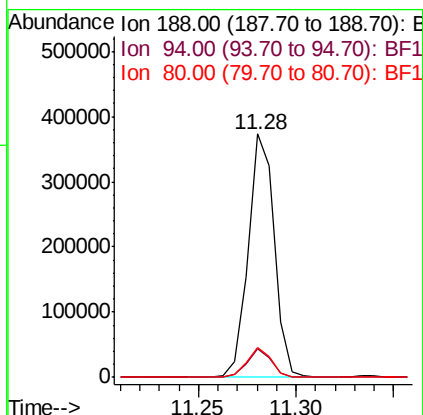
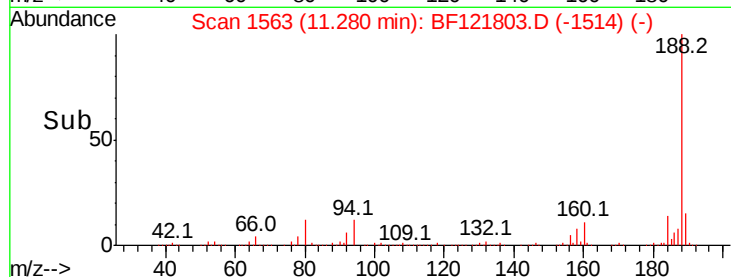
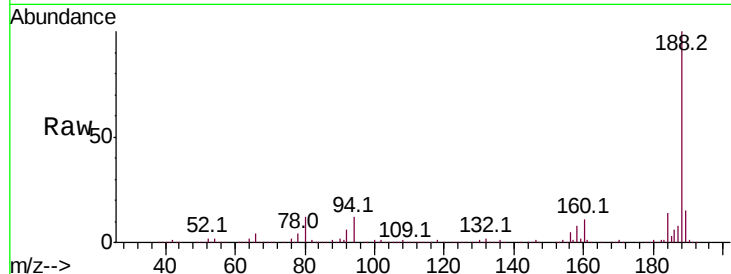
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Instrument :
BNA_F
ClientSampled :
B-17(3-4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.7	8.3	12.5
80	12.2	9.1	13.7

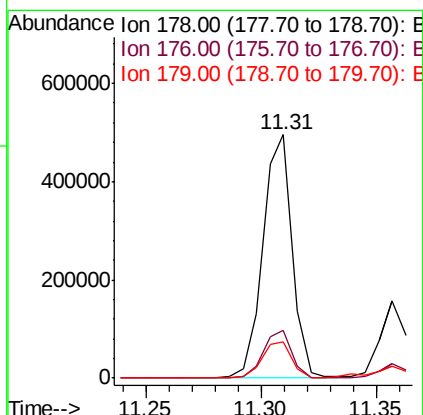
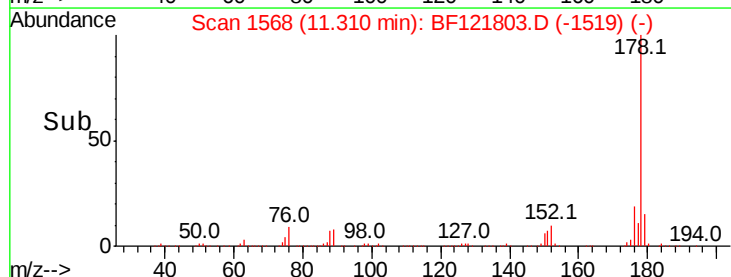
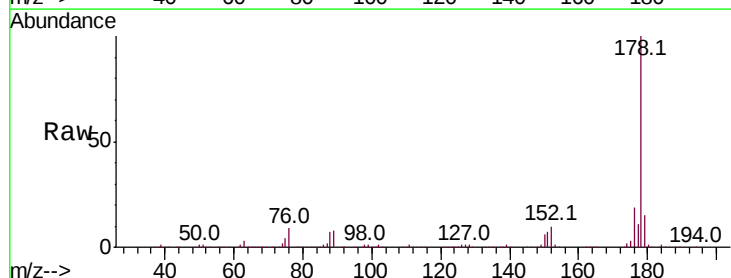
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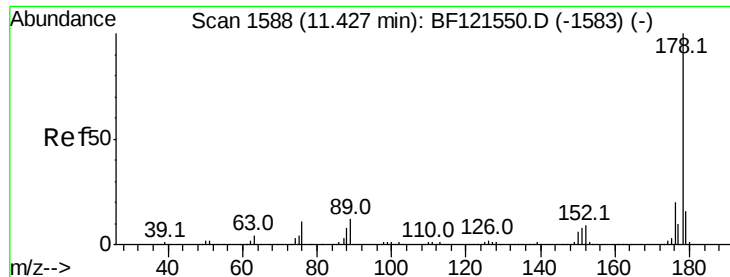
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#71
Phenanthrene
Concen: 23.238 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.2	12.2	18.4





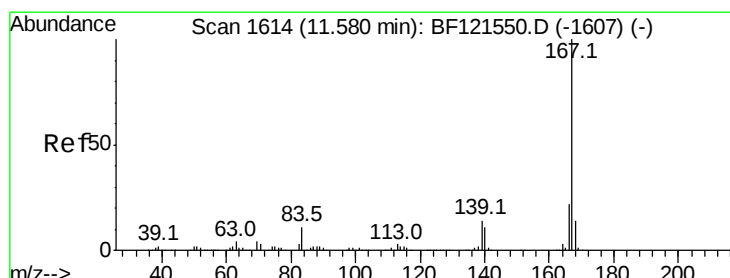
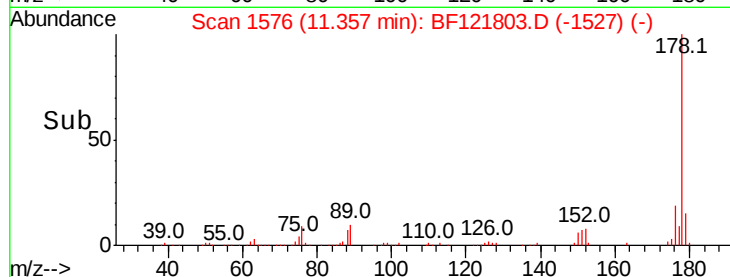
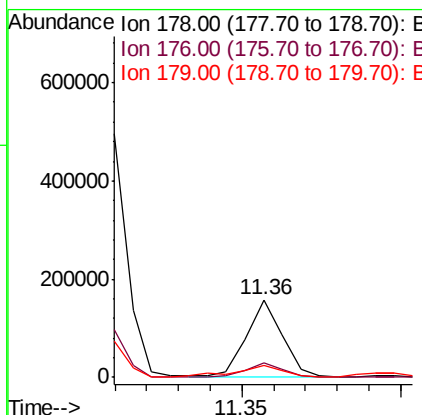
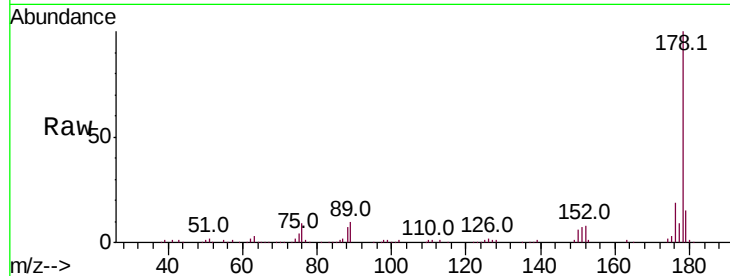
#72
 Anthracene
 Concen: 6.343 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF121803.D
 Acq: 2 Oct 2020 19:49

Instrument :
 BNA_F
 ClientSampleId :
 B-17(3-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	15.3	12.7	19.1

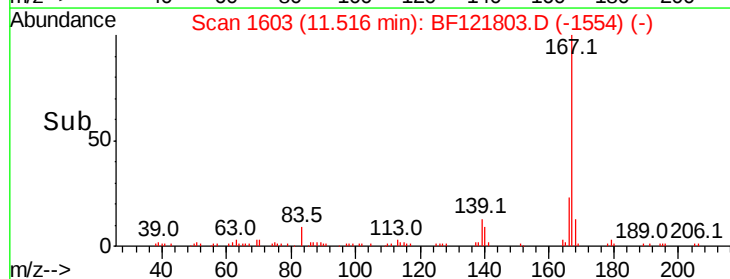
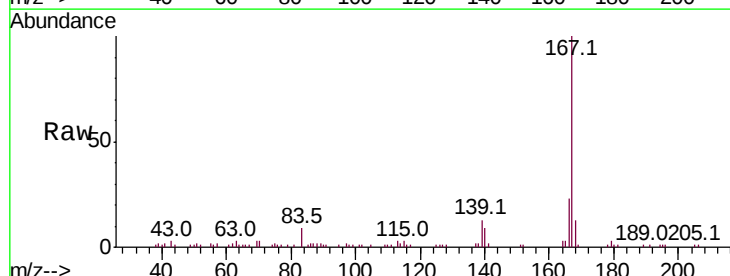
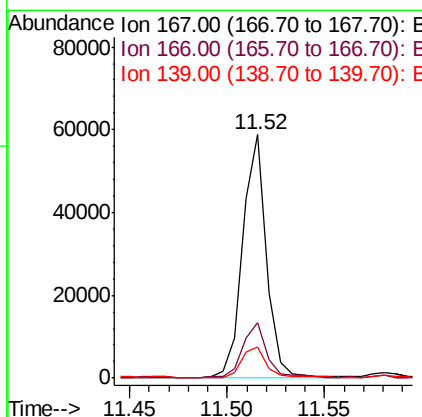
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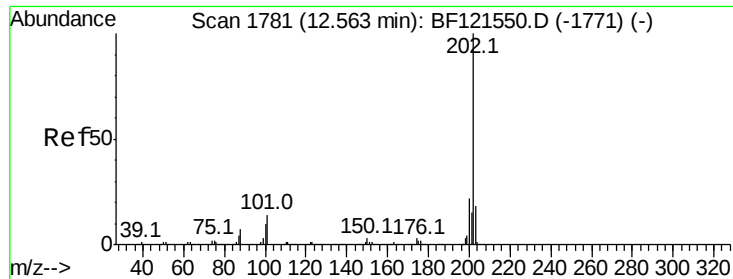
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#73
 Carbazole
 Concen: 2.854 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF121803.D
 Acq: 2 Oct 2020 19:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.8	26.6
139	13.1	10.8	16.2





#75

Fluoranthene

Concen: 31.751 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Instrument :

BNA_F

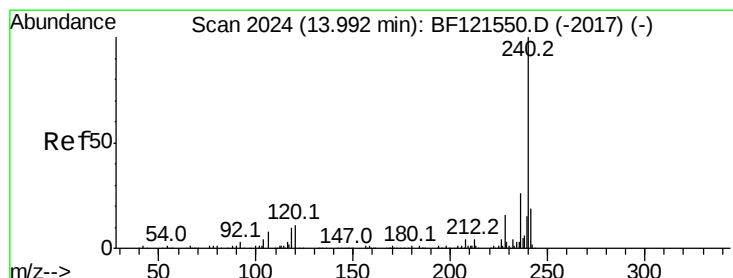
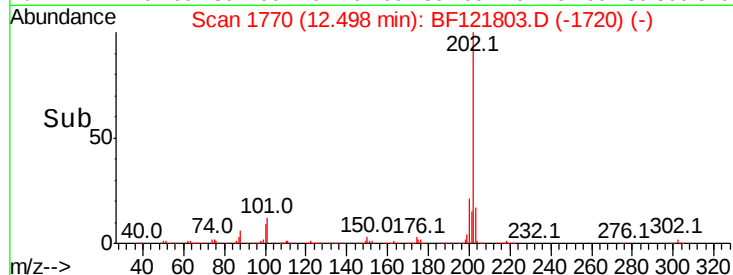
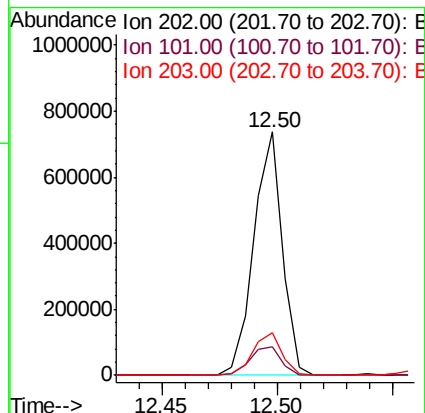
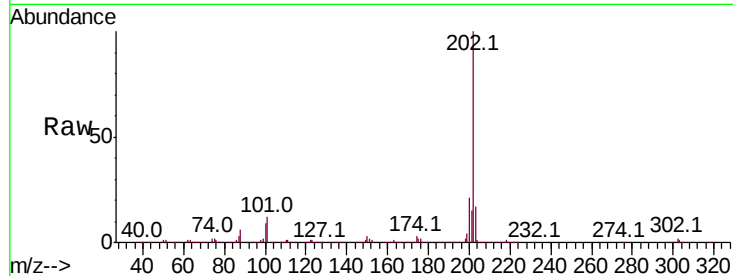
ClientSampled :

B-17(3-4)

Tot Ion:	202	Resp:	636249
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	33.4
203	17.4	0.0	37.9

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#76

Chrysene-d12

Concen: 20.000 ng

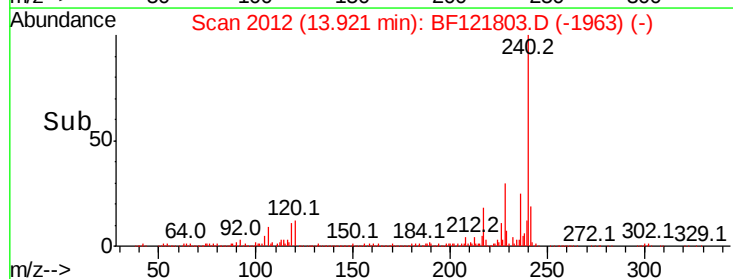
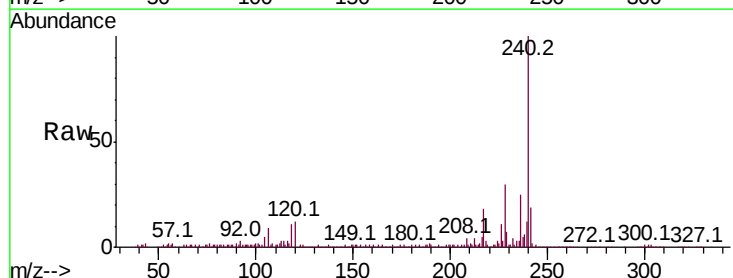
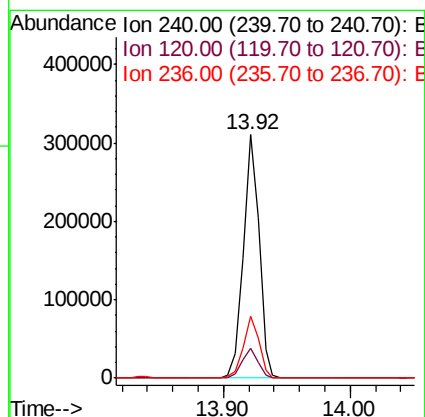
RT: 13.92 min Scan# 2012

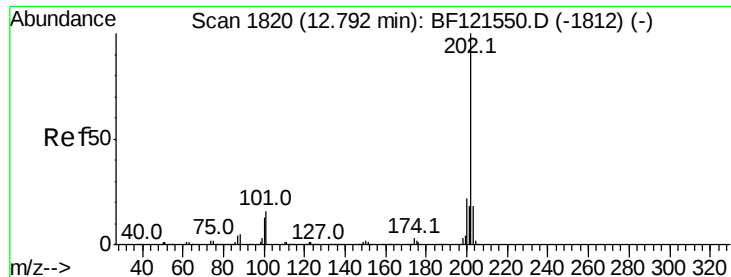
Delta R.T. -0.01 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Tgt Ion:	240	Resp:	264548
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.2	13.8
236	25.3	20.9	31.3





#78

Pvrene

Concen: 29.510 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Instrument :

BNA_F

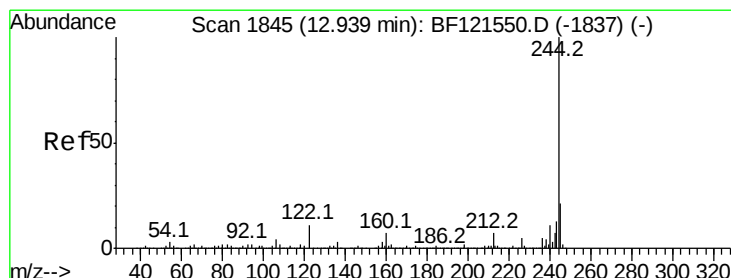
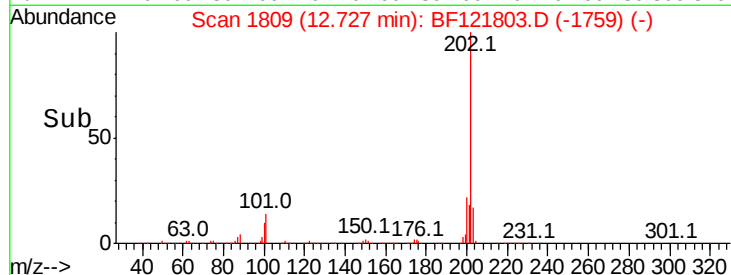
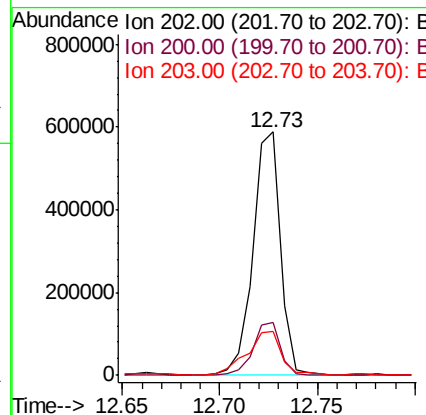
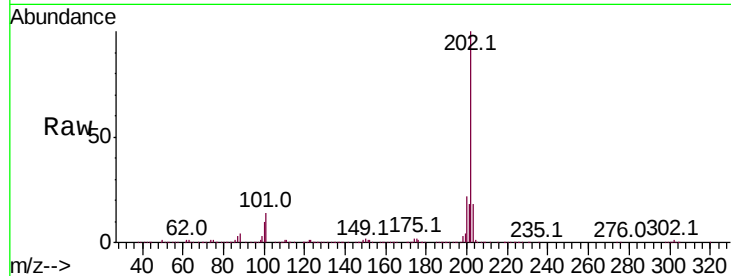
ClientSampleId :

B-17(3-4)

Tot Ion:	202	Resp:	570394
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	17.8	14.6	21.8

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#79

Terphenyl-d14

Concen: 70.043 ng

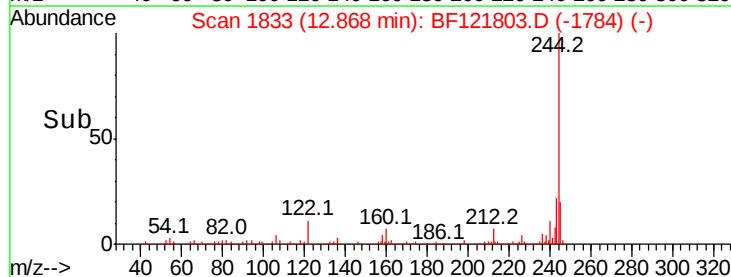
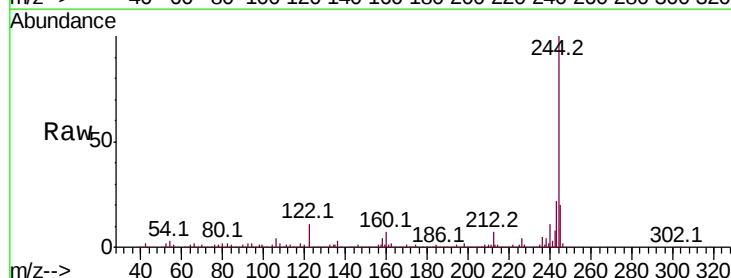
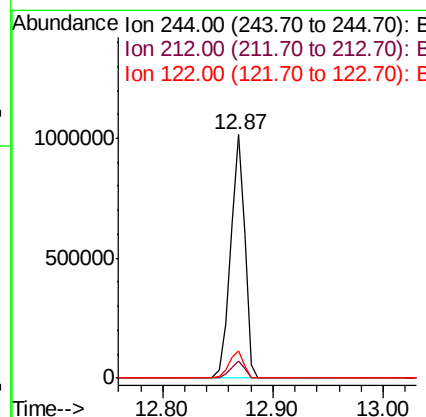
RT: 12.87 min Scan# 1833

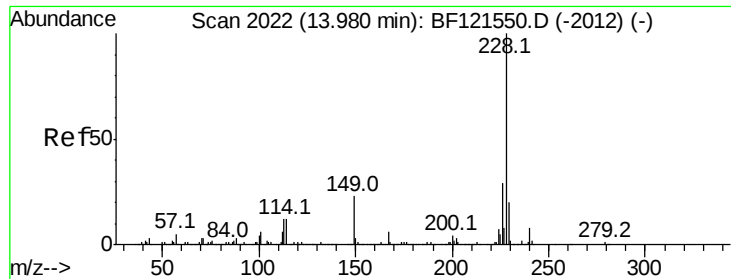
Delta R.T. -0.01 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Tgt Ion:	244	Resp:	914642
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.2
122	11.2	8.1	12.1





#81

Benzo(a)anthracene

Concen: 20.634 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Instrument :

BNA_F

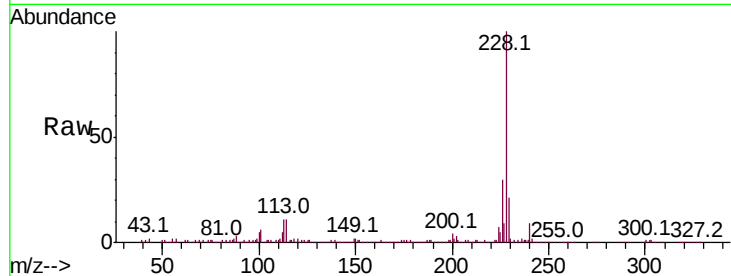
ClientSampleId :

B-17(3-4)

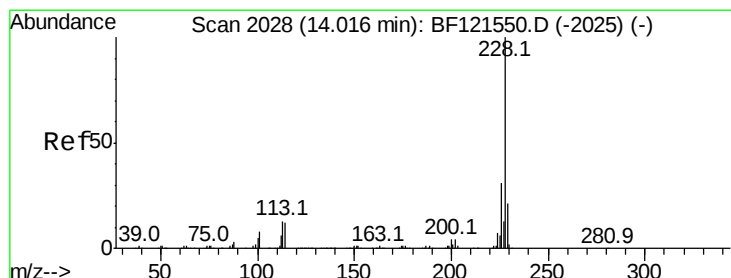
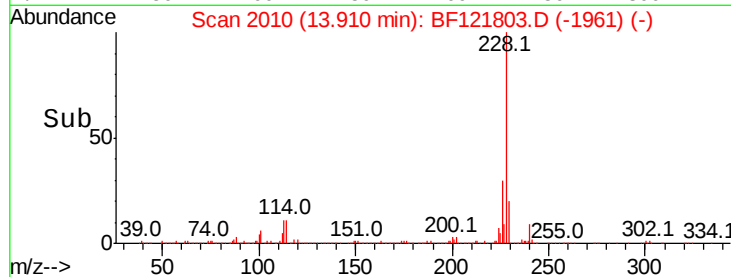
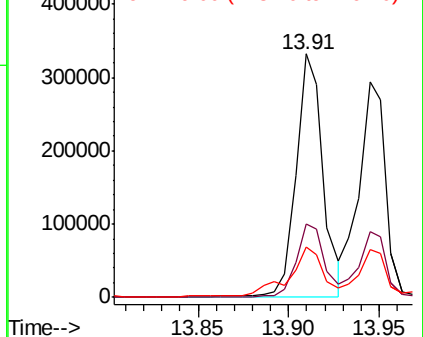
Tot Ion:	228	Resp:	345336
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.3	33.5
229	20.6	16.2	24.4

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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



#83

Chrysene

Concen: 17.618 ng

RT: 13.94 min Scan# 2016

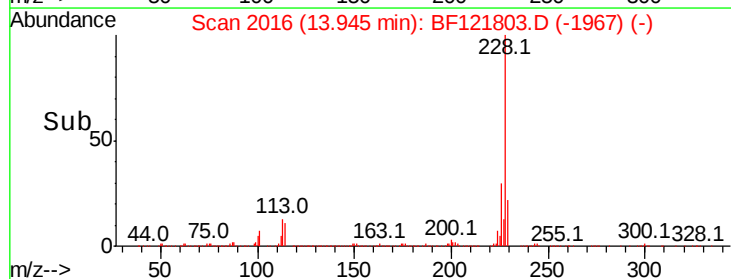
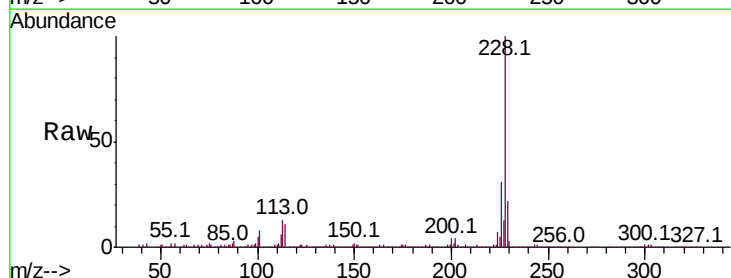
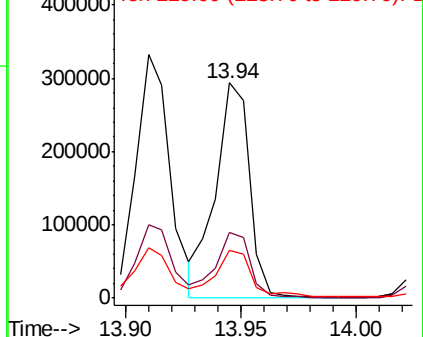
Delta R.T. -0.01 min

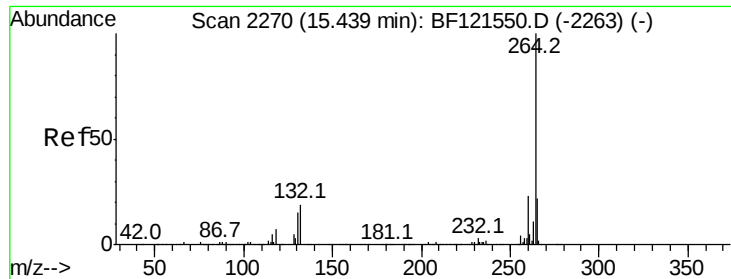
Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Tgt Ion:	228	Resp:	298589
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.6	37.0
229	22.4	15.9	23.9

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





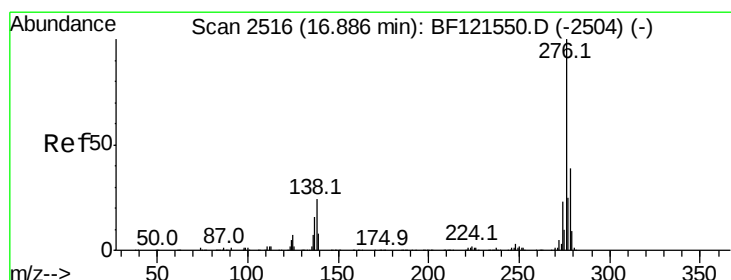
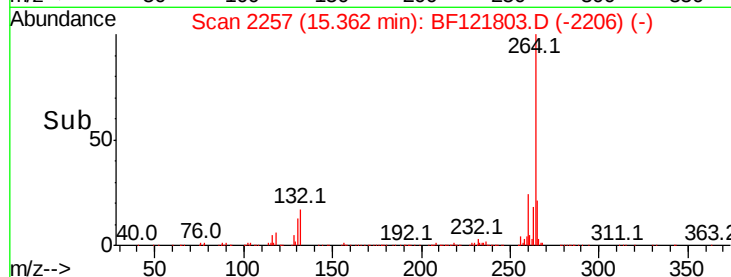
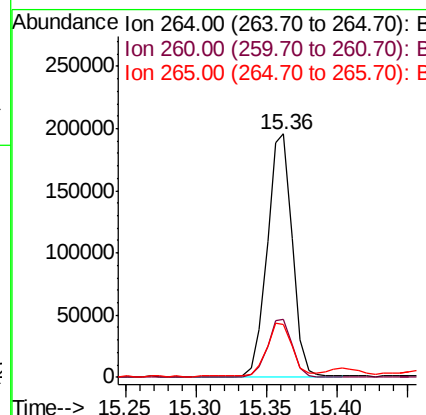
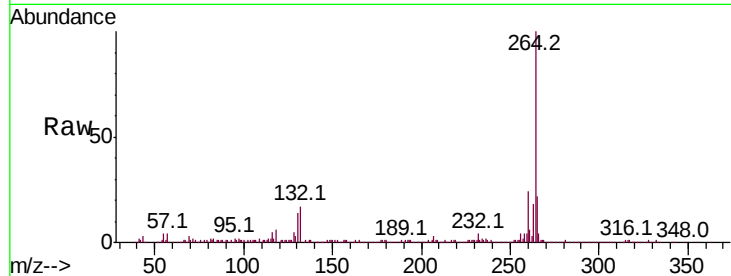
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Instrument :
BNA_F
ClientSampleId :
B-17(3-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.6	17.3	25.9

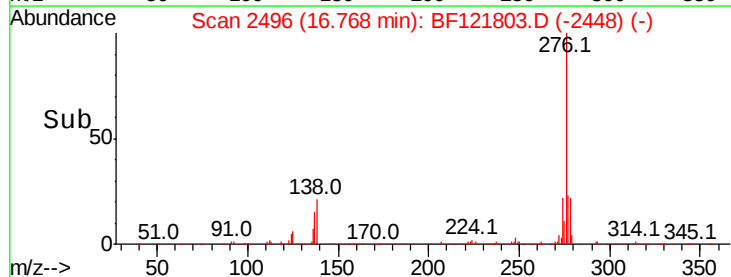
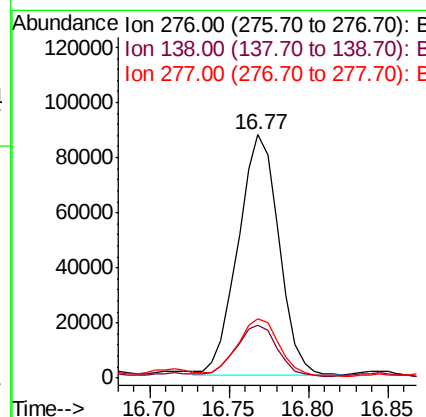
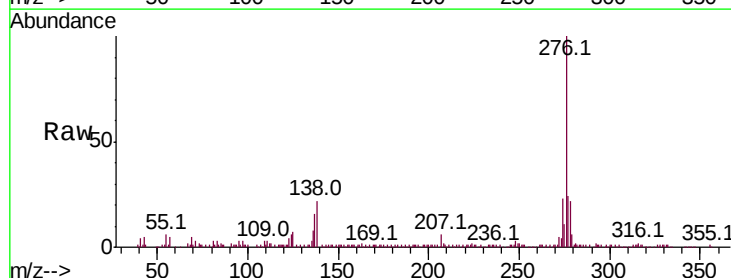
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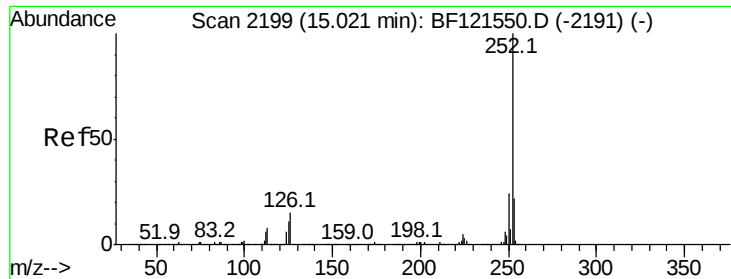
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#87
Indeno(1,2,3-cd)pyrene
Concen: 9.767 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.02 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	19.9	29.9
277	24.6	20.4	30.6





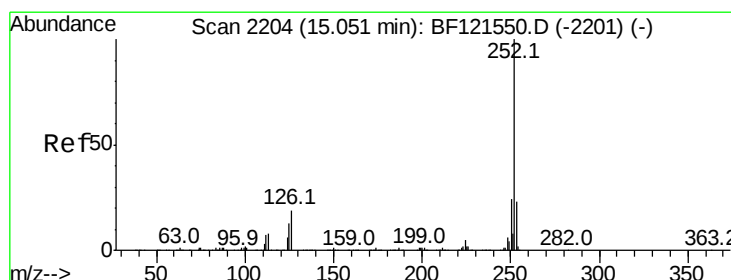
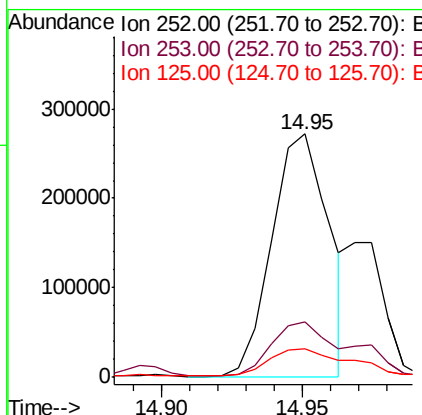
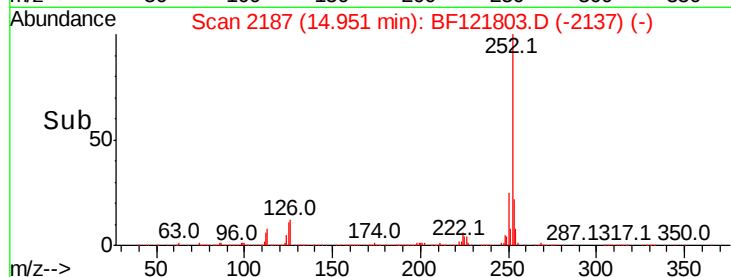
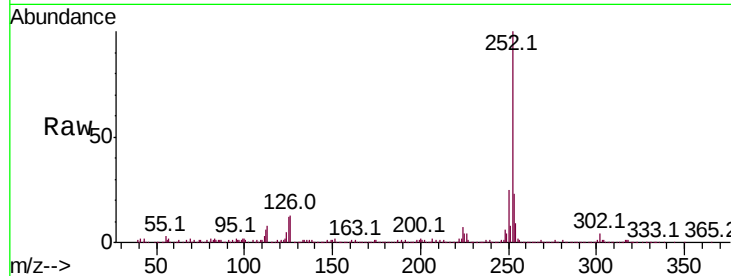
#88
Benzo(b)fluoranthene
Concen: 23.316 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Instrument :
BNA_F
ClientSampleId :
B-17(3-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	12.0	8.0	12.0

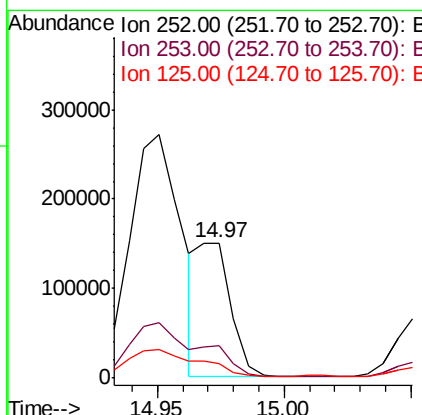
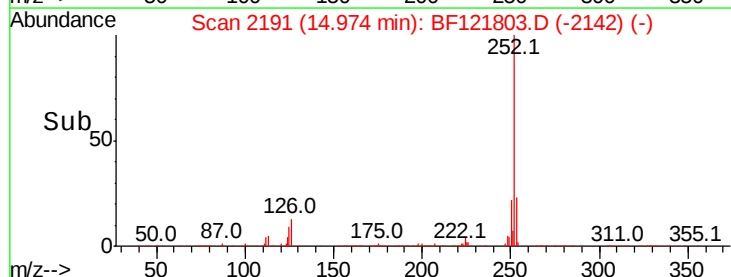
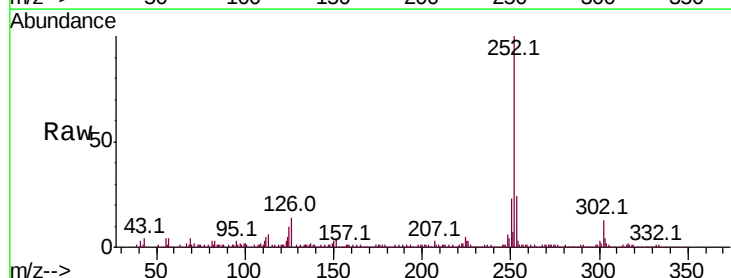
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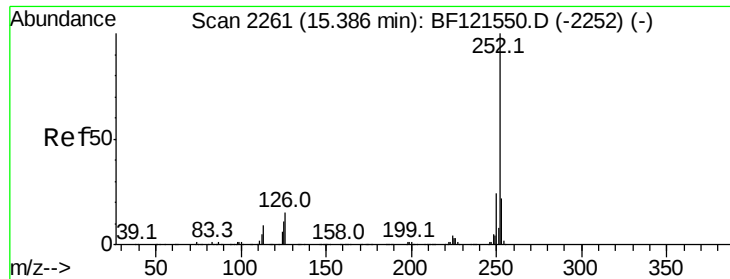
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#89
Benzo(k)fluoranthene
Concen: 8.874 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121803.D
Acq: 2 Oct 2020 19:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	10.4	7.7	11.5





#90

Benzo(a)pyrene

Concen: 19.212 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Instrument :

BNA_F

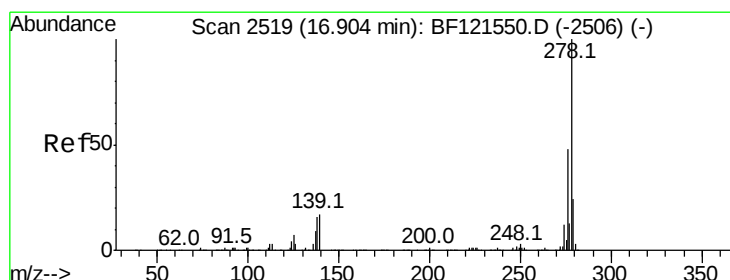
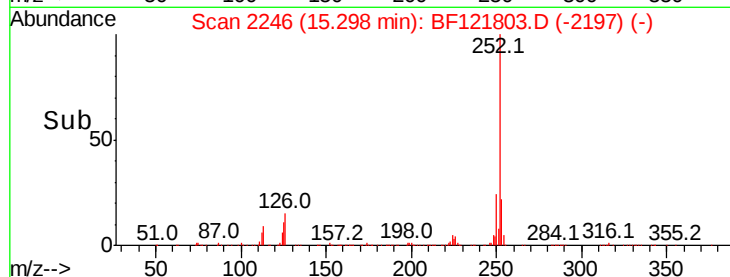
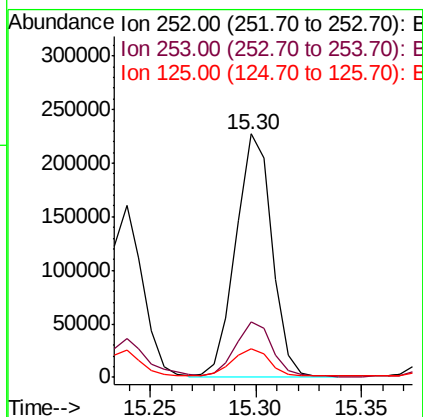
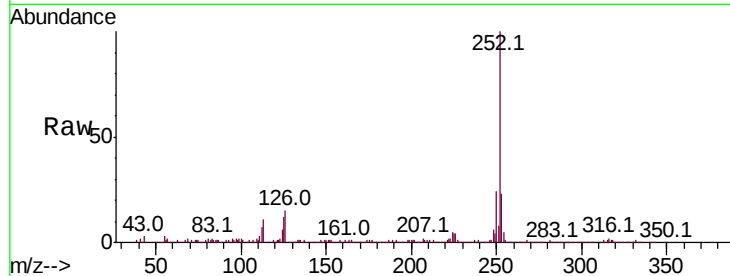
ClientSampleId :

B-17(3-4)

Tot Ion:	252	Resp:	267262
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.3	25.9
125	11.8	8.6	13.0

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#91

Dibenzo(a,h)anthracene

Concen: 3.127 ng m

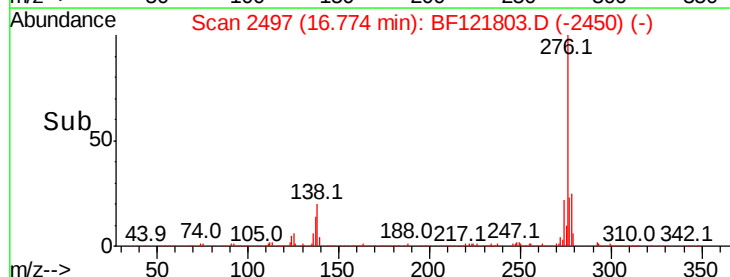
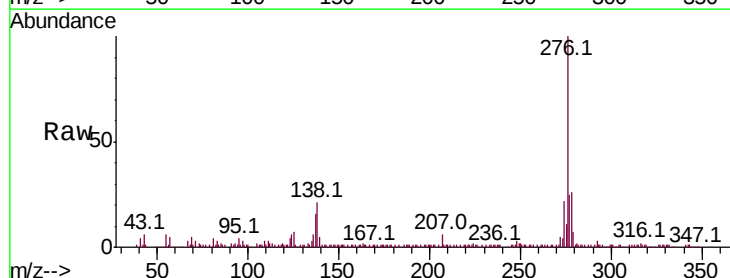
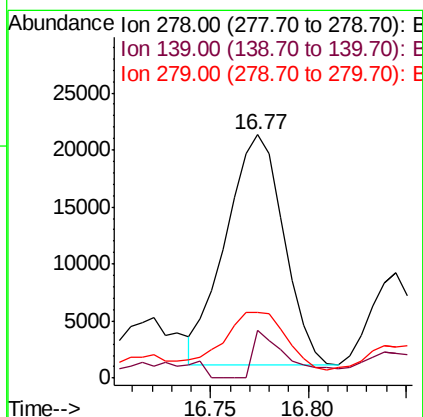
RT: 16.77 min Scan# 2497

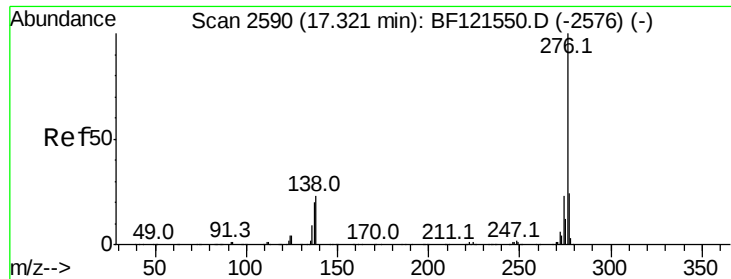
Delta R.T. -0.02 min

Lab File: BF121803.D

Acq: 2 Oct 2020 19:49

Tgt Ion:	278	Resp:	41496
Ion Ratio	Lower	Upper	
278	100		
139	19.7	13.0	19.4#
279	27.1	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 11.210 ng
 RT: 17.20 min Scan# 2569
 Delta R.T. -0.01 min
 Lab File: BF121803.D
 Acq: 2 Oct 2020 19:49

Instrument :
 BNA_F
 ClientSampleId :
 B-17(3-4)

Tot Ion:	276	Resp:	146234
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.4	29.2
138	21.7	17.8	26.6

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