

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121848.D
 Acq On : 6 Oct 2020 12:51
 Operator : JU/CG
 Sample : L4247-04DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-18(5-7)DL

Manual Integrations
 APPROVED

mohammad
 10/7/2020 10:40:43 AM

Quant Time: Oct 06 13:33:25 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	121809	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	485651	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	245496	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	433273	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	258842	20.00	ng	-0.01
86) Perylene-d12	15.36	264	264978	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	62145	7.58	ng	0.00
7) Phenol-d6	6.40	99	84410	7.85	ng	-0.01
23) Nitrobenzene-d5	7.33	82	55448	6.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	14914	4.89	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	112736	6.95	ng	-0.01
79) Terphenyl-d14	12.86	244	98192	7.69	ng	-0.02
Target Compounds						
52) Acenaphthene	9.83	154	33942	2.258	ng	98
58) Fluorene	10.35	166	46371	2.865	ng	98
71) Phenanthrene	11.31	178	660769	27.991	ng	100
72) Anthracene	11.36	178	206931	8.494	ng	98
73) Carbazole	11.52	167	58720	2.671	ng	97
75) Fluoranthene	12.50	202	1224874	48.607	ng	98
78) Pyrene	12.73	202	1023082	54.098	ng	100
81) Benzo(a)anthracene	13.92	228	537309	32.812	ng	99
83) Chrysene	13.95	228	451427	27.223	ng	98
87) Indeno(1,2,3-cd)pyrene	16.78	276	289359	16.768	ng	96
88) Benzo(b)fluoranthene	14.95	252	614938m	34.715	ng	
89) Benzo(k)fluoranthene	14.97	252	156056m	9.620	ng	
90) Benzo(a)pyrene	15.30	252	420727	27.941	ng	97
91) Dibenzo(a,h)anthracene	16.78	278	79605m	5.542	ng	
92) Benzo(a,h,i)perylene	17.20	276	271525	19.230	ng	99

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

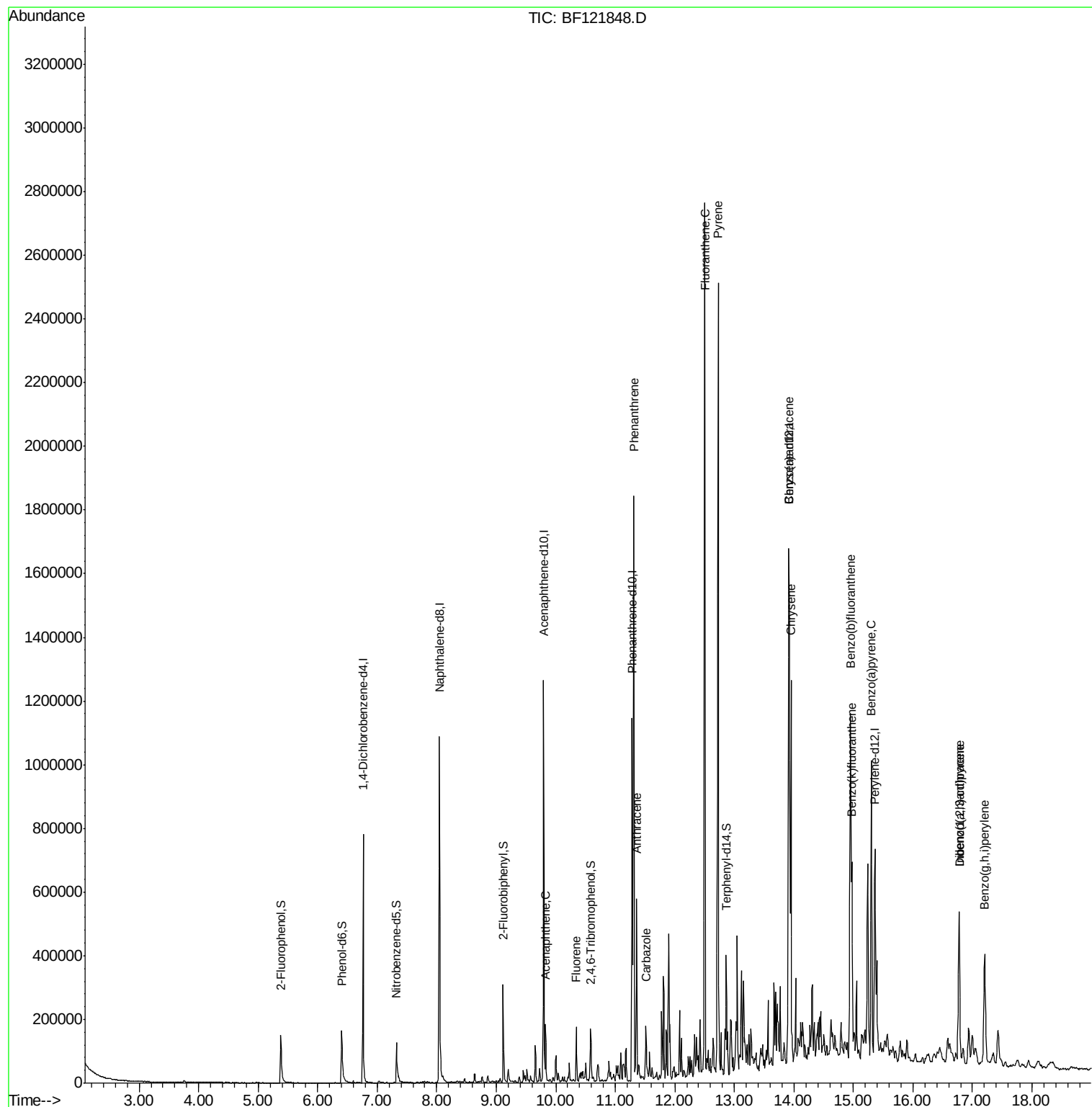
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
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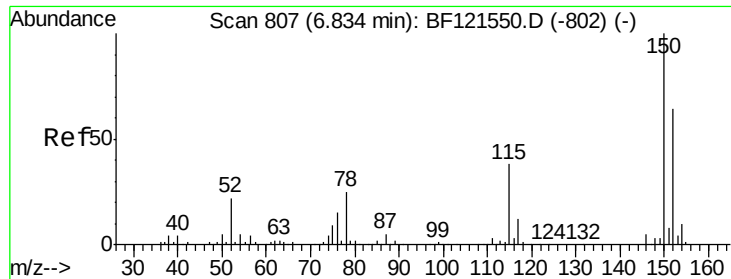
Instrument :
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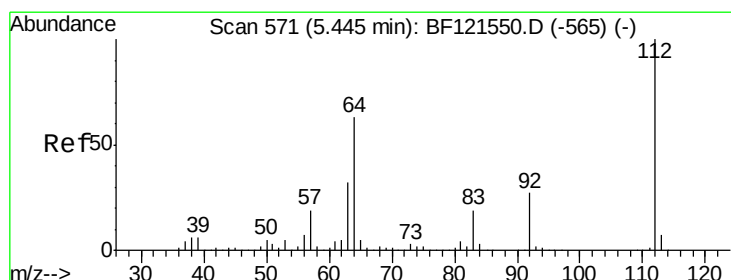
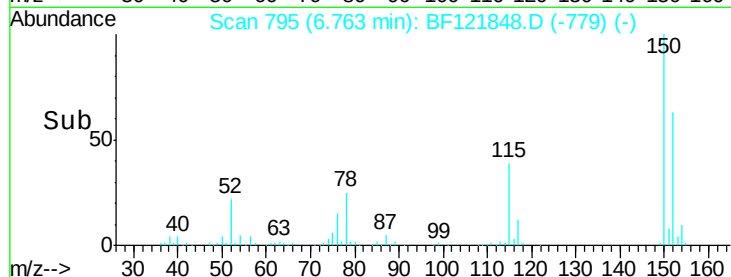
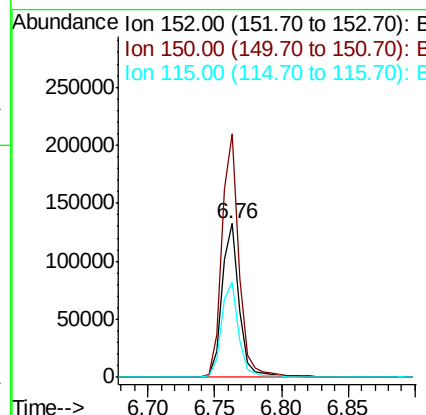
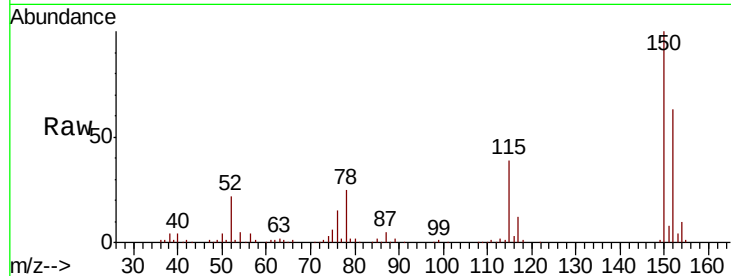
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF121848.D
 Acq: 6 Oct 2020 12:51

Instrument :
 BNA_F
 ClientSampleID :
 B-18(5-7)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.3	187.9
115	61.8	51.9	77.9

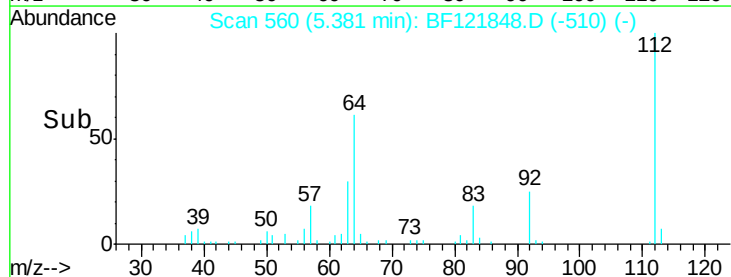
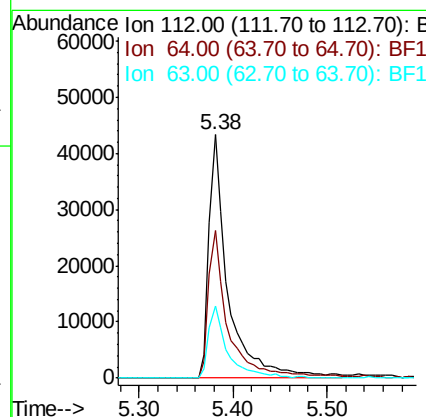
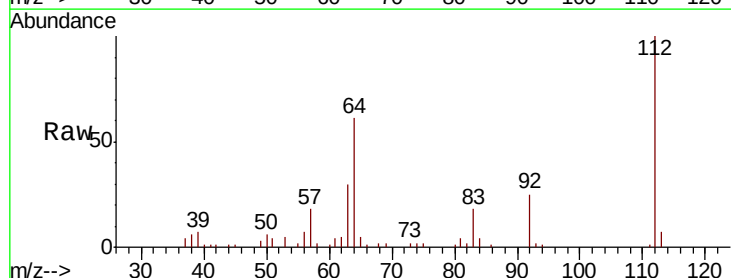
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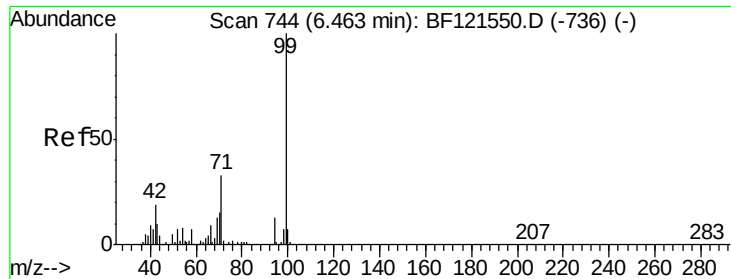
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#5
 2-Fluorophenol
 Concen: 7.582 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121848.D
 Acq: 6 Oct 2020 12:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	50.4	75.6
63	29.5	25.8	38.6





#7

Phenol-d6

Concen: 7.850 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Instrument :

BNA_F

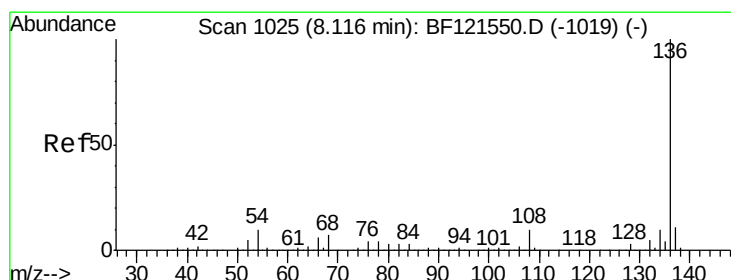
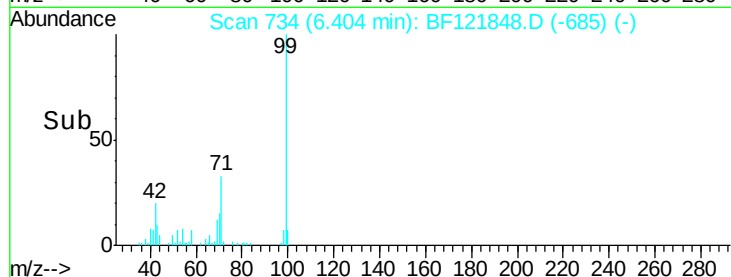
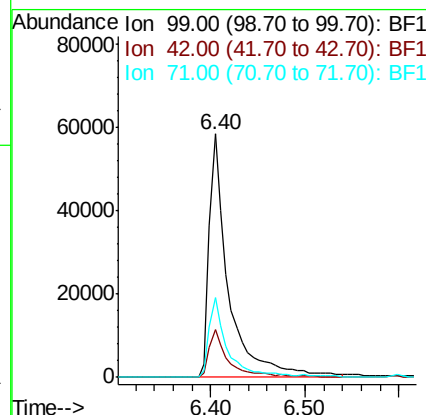
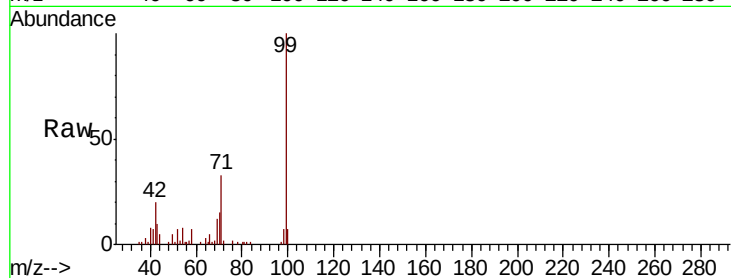
ClientSampleId :

B-18(5-7)DL

Tot Ion:	99	Resp:	84410
Ion	Ratio	Lower	Upper
99	100		
42	19.9	15.9	23.9
71	32.7	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

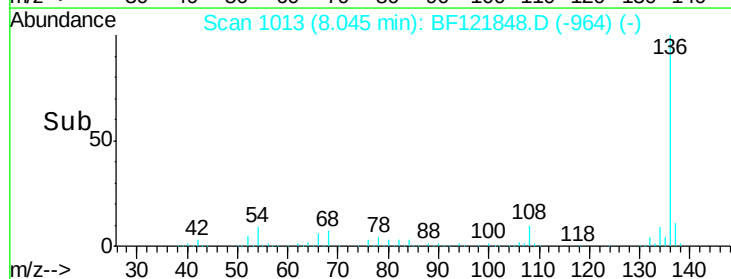
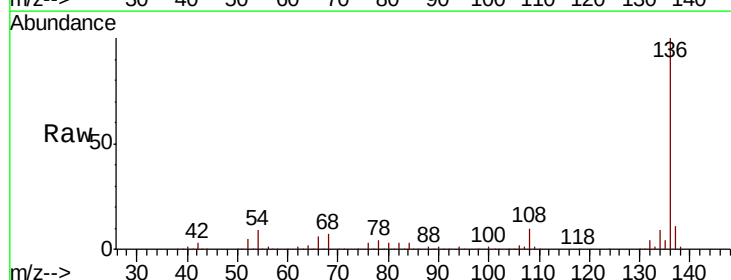
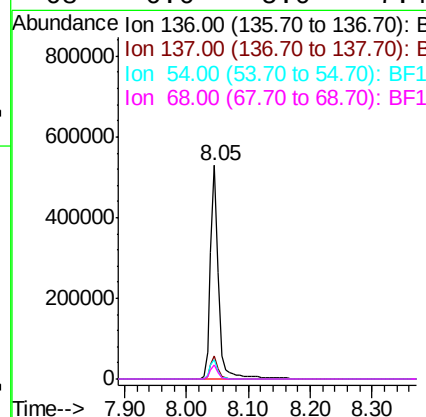
RT: 8.05 min Scan# 1013

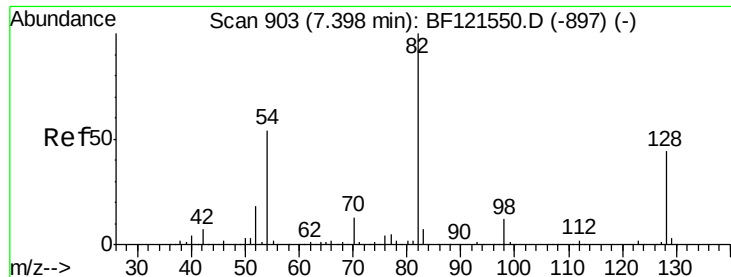
Delta R.T. -0.01 min

Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Tgt Ion:	136	Resp:	485651
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.1	7.1	10.7
68	6.6	5.0	7.4





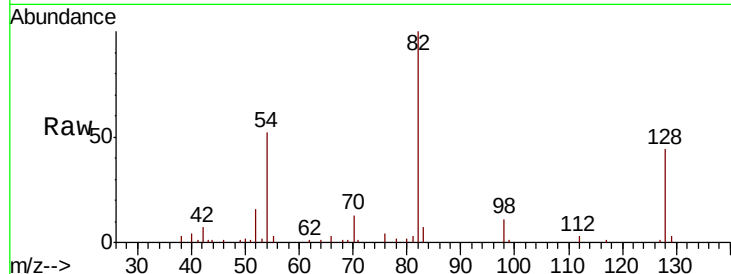
#23
Nitrobenzene-d5
Concen: 6.130 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121848.D
Acq: 6 Oct 2020 12:51

Instrument :
BNA_F
ClientSampleId :
B-18(5-7)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.0	52.4
54	52.0	43.9	65.9

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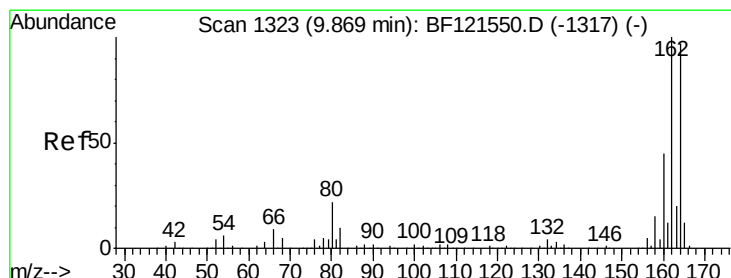
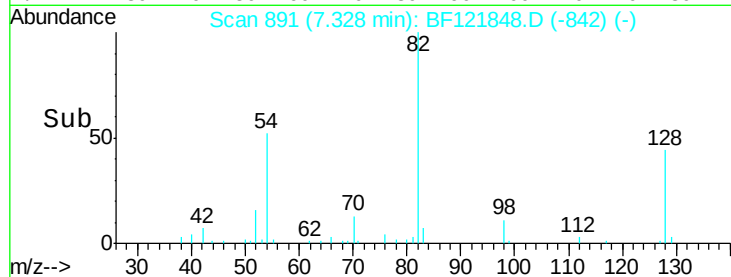
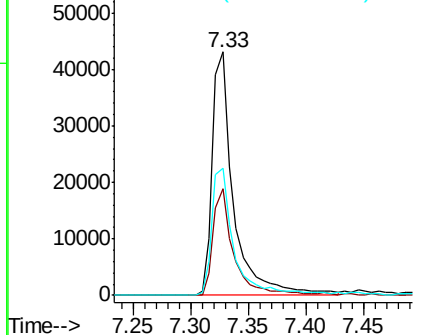


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

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: BF121848.D
Acq: 6 Oct 2020 12:51

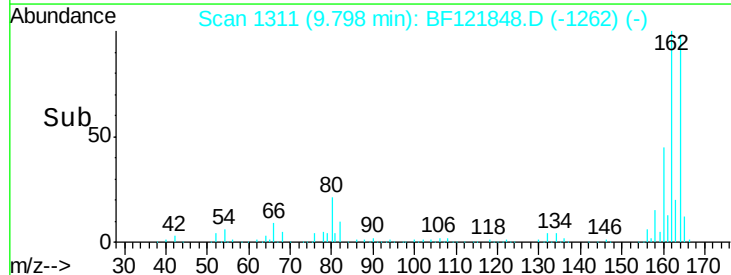
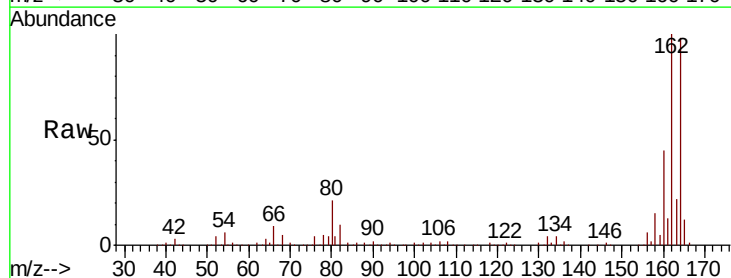
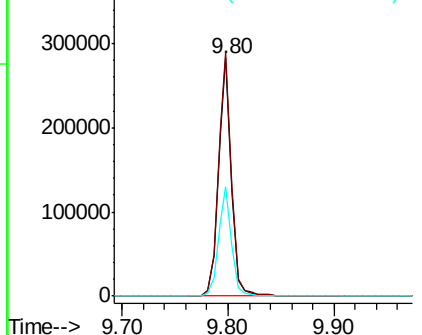
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	83.2	124.8
160	45.8	37.5	56.3

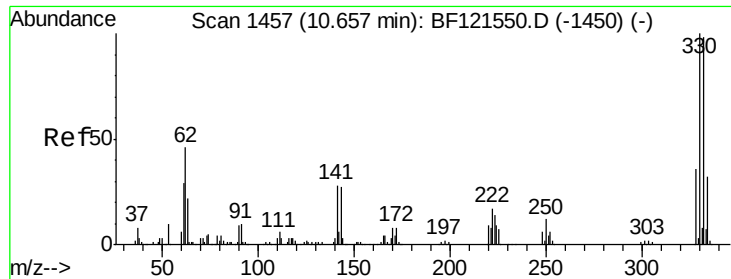
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 4.888 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Instrument :

BNA_F

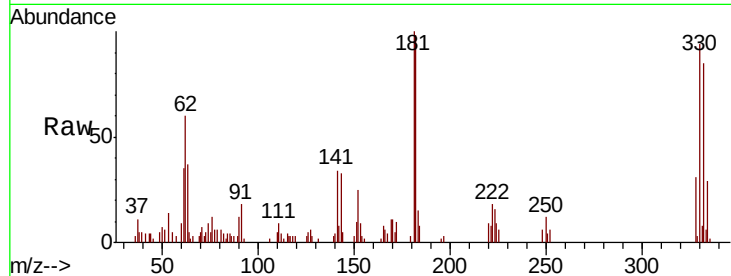
ClientSampleId :

B-18(5-7)DL

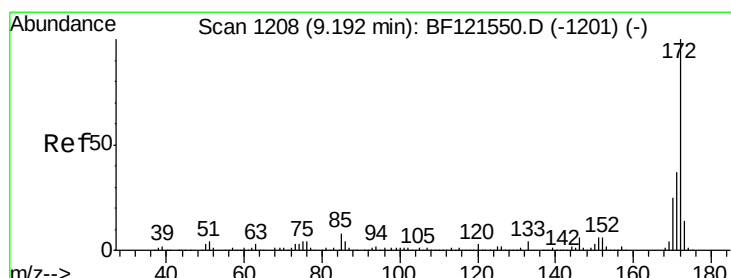
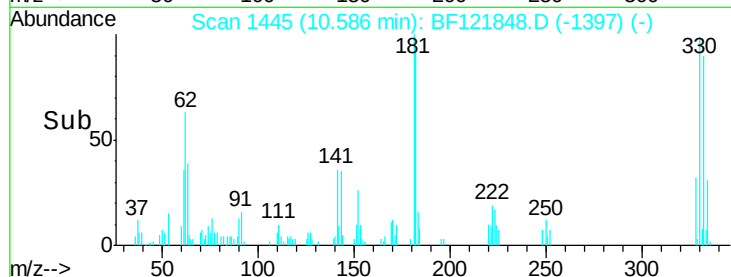
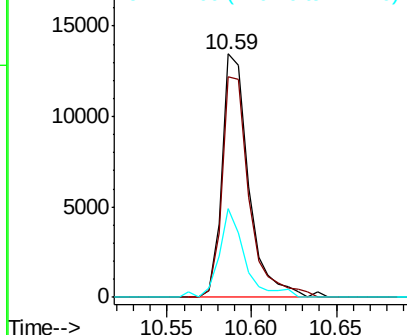
Tot Ion:	330	Resp:	14914
Ion Ratio	Lower	Upper	
330	100		
332	92.5	77.3	115.9
141	35.1	22.3	33.5#

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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: 6.955 ng

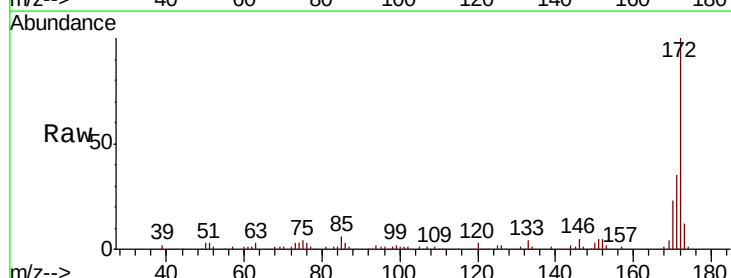
RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

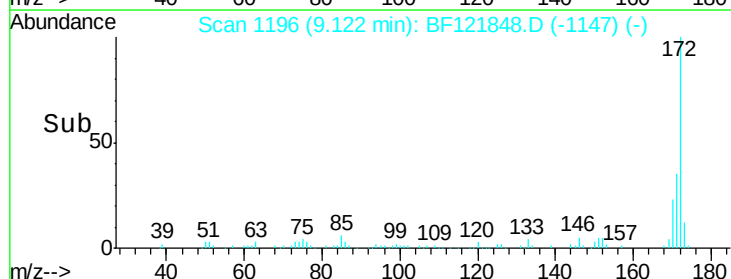
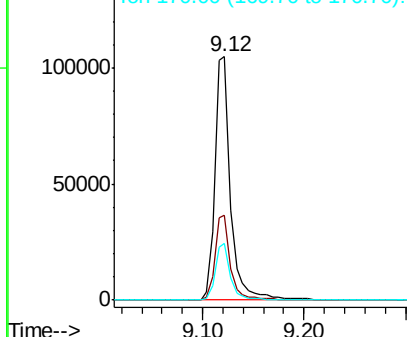
Lab File: BF121848.D

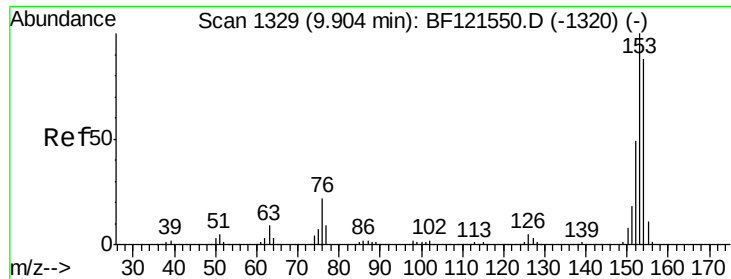
Acq: 6 Oct 2020 12:51

Tgt Ion:	172	Resp:	112736
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.1	43.7
170	23.1	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





#52

Acenaphthene

Concen: 2.258 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Instrument :

BNA_F

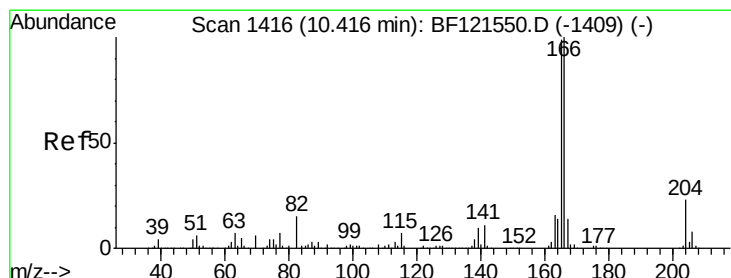
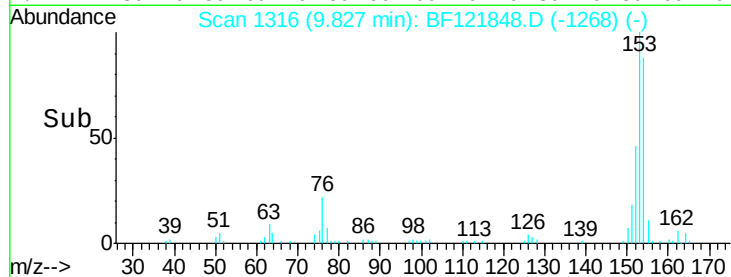
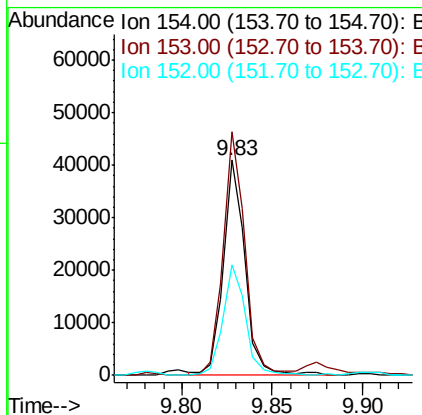
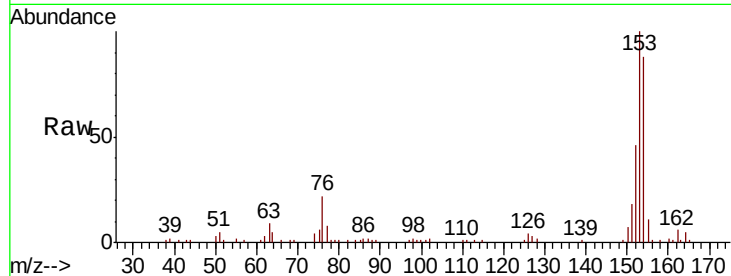
ClientSampleId :

B-18(5-7)DL

Tot Ion:	154	Resp:	33942
Ion Ratio	Lower	Upper	
154	100		
153	113.3	89.8	134.8
152	51.7	43.2	64.8

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#58

Fluorene

Concen: 2.865 ng

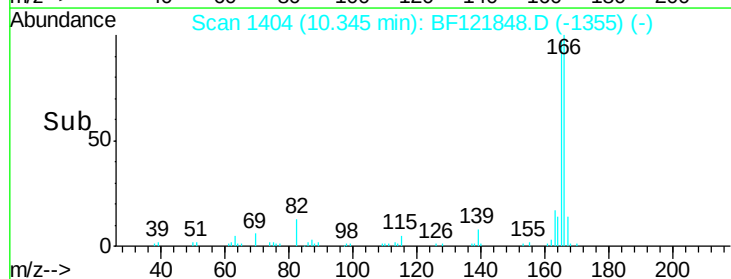
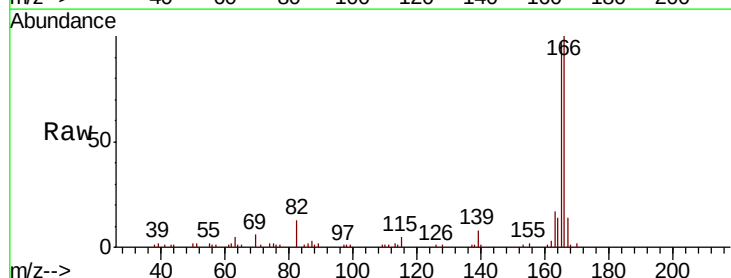
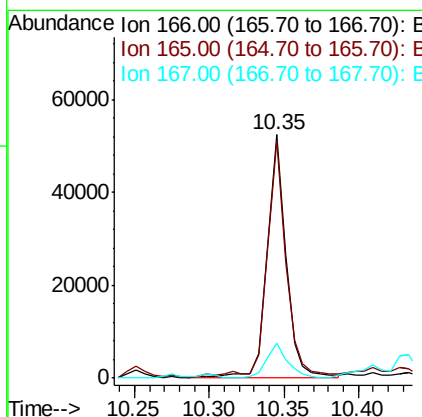
RT: 10.35 min Scan# 1404

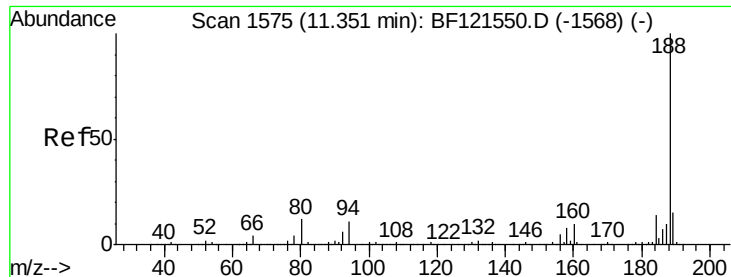
Delta R.T. -0.01 min

Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Tgt Ion:	166	Resp:	46371
Ion Ratio	Lower	Upper	
166	100		
165	97.3	79.1	118.7
167	14.2	11.0	16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Instrument :

BNA_F

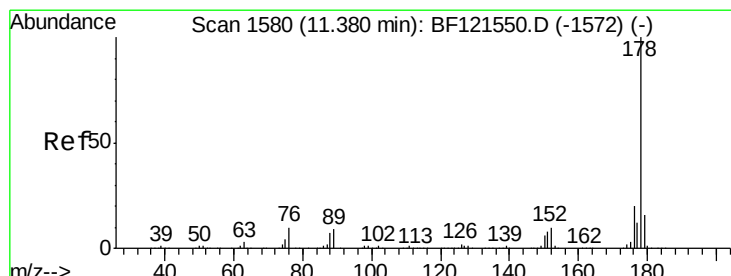
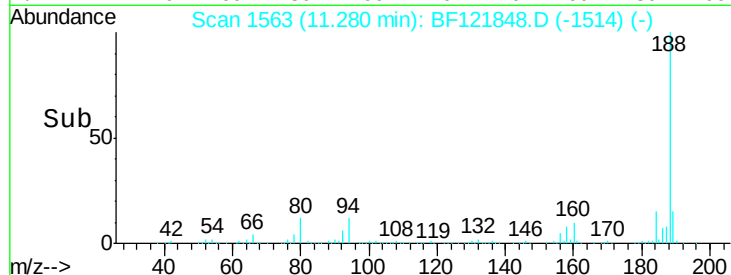
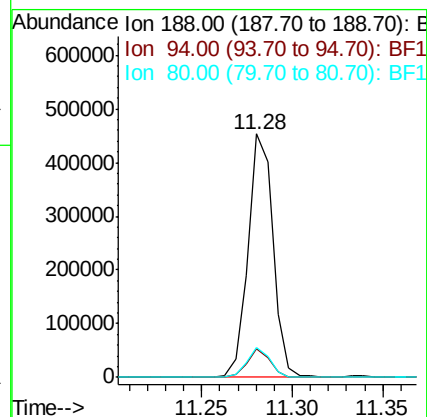
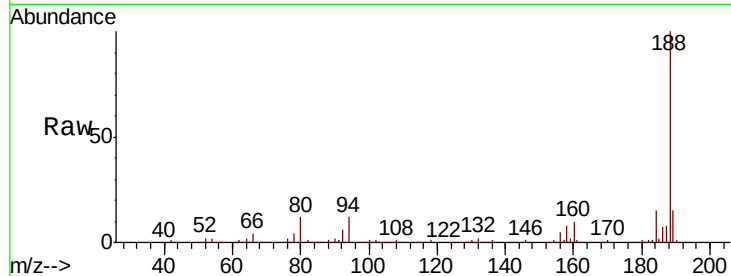
ClientSampleId :

B-18(5-7)DL

Tot Ion:	188	Resp:	433273
Ion Ratio	Lower	Upper	
188	100		
94	11.5	8.3	12.5
80	12.4	9.1	13.7

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#71

Phenanthrene

Concen: 27.991 ng

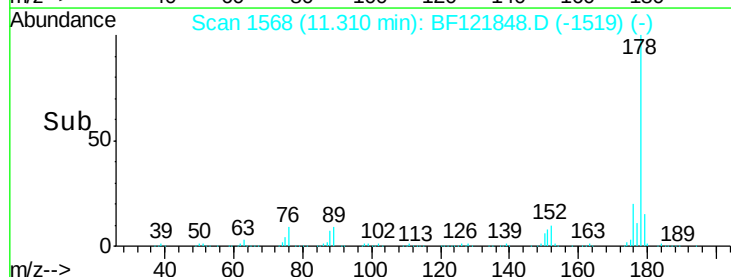
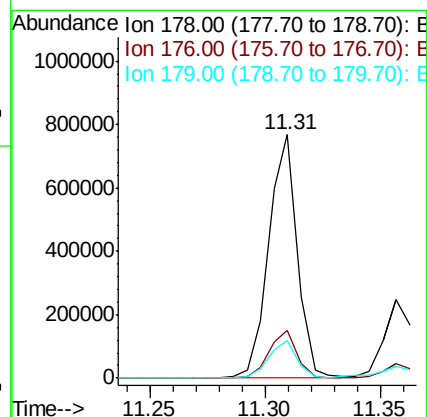
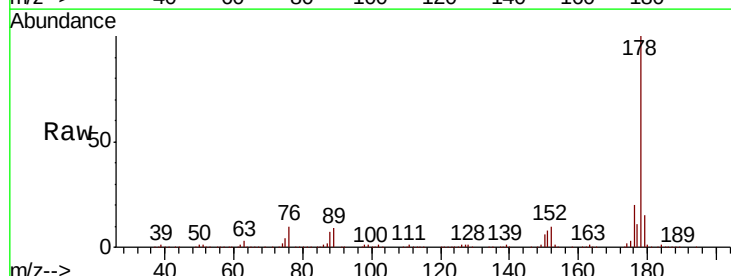
RT: 11.31 min Scan# 1568

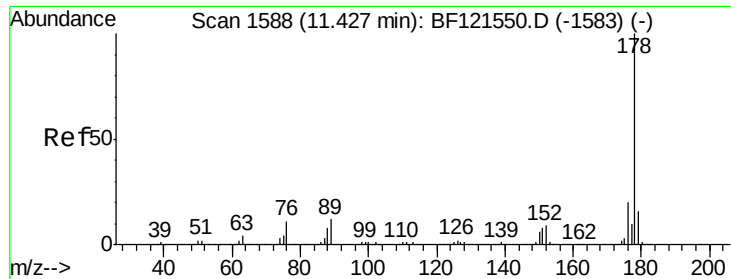
Delta R.T. -0.01 min

Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Tgt Ion:	178	Resp:	660769
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	15.2	12.2	18.4





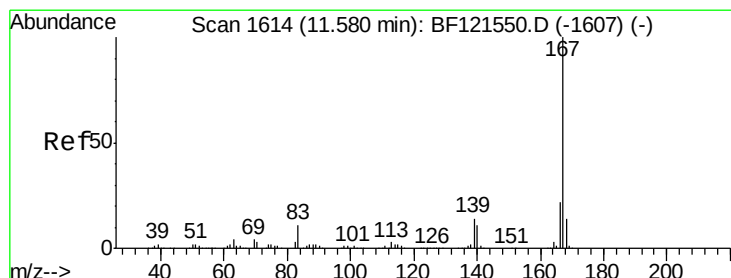
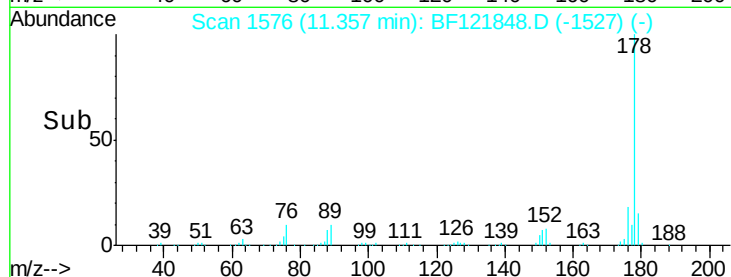
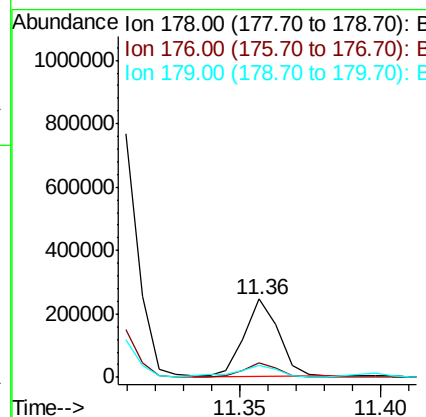
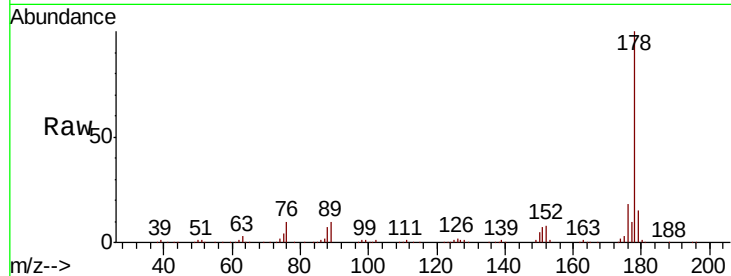
#72
 Anthracene
 Concen: 8.494 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF121848.D
 Acq: 6 Oct 2020 12:51

Instrument :
 BNA_F
 ClientSampleId :
 B-18(5-7)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.7	23.5
179	15.5	12.7	19.1

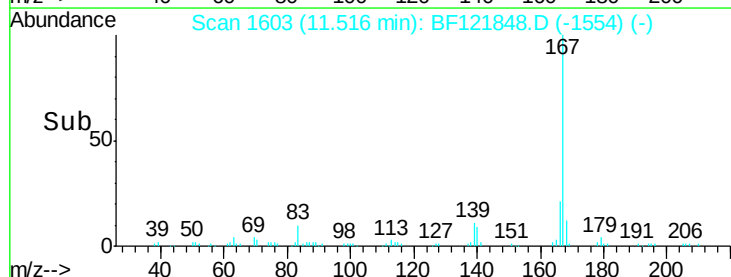
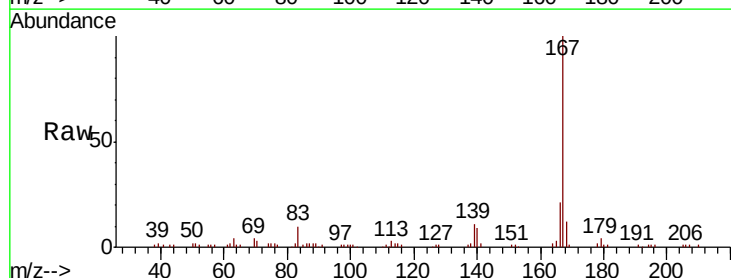
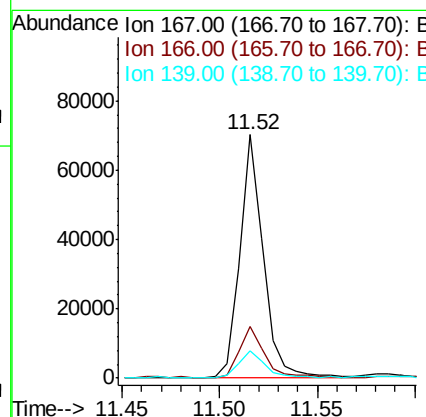
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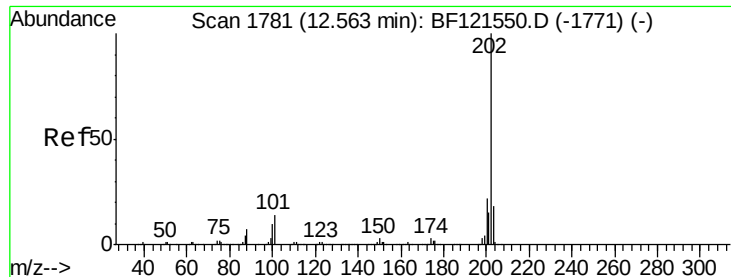
mohammad
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#73
 Carbazole
 Concen: 2.671 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF121848.D
 Acq: 6 Oct 2020 12:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.8	26.6
139	11.4	10.8	16.2





#75

Fluoranthene

Concen: 48.607 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Instrument :

BNA_F

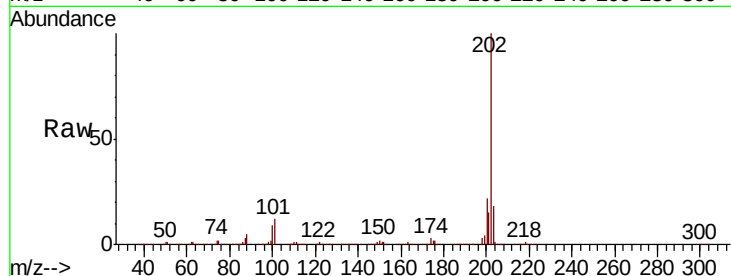
ClientSampleId :

B-18(5-7)DL

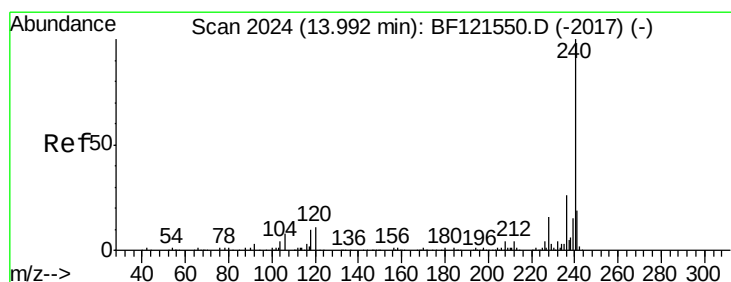
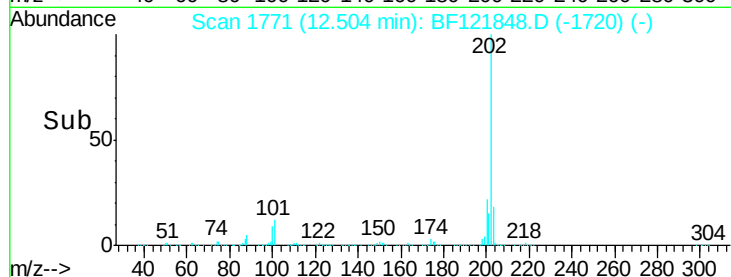
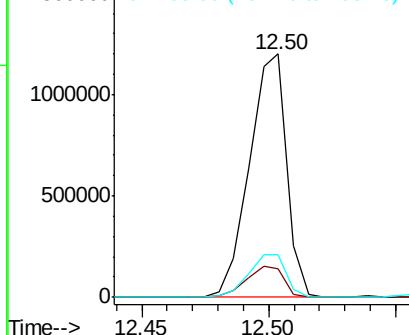
Tot Ion:	202	Resp:	1224874
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.4
203	17.7	0.0	37.9

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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: 13.92 min Scan# 2012

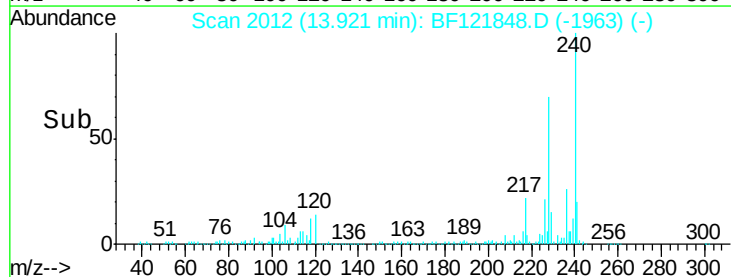
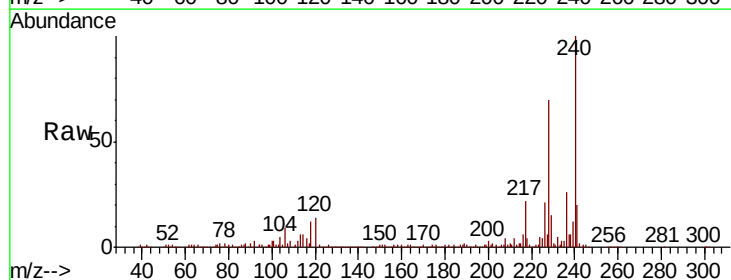
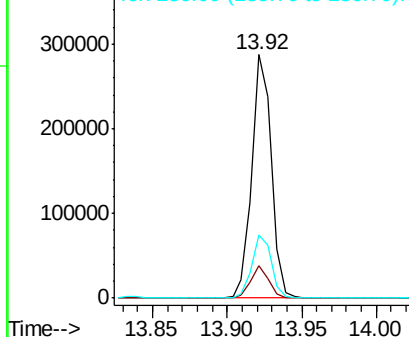
Delta R.T. -0.01 min

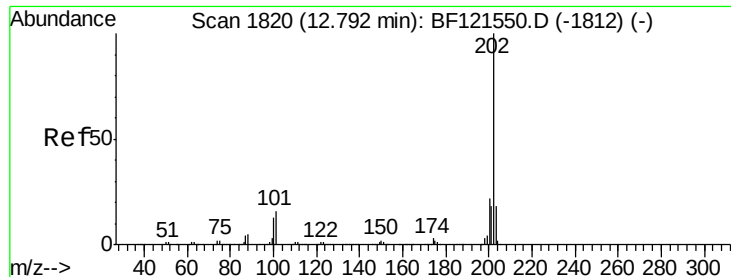
Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Tgt Ion:	240	Resp:	258842
Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.2	13.8
236	25.7	20.9	31.3

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

Pvrene

Concen: 54.098 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Instrument :

BNA_F

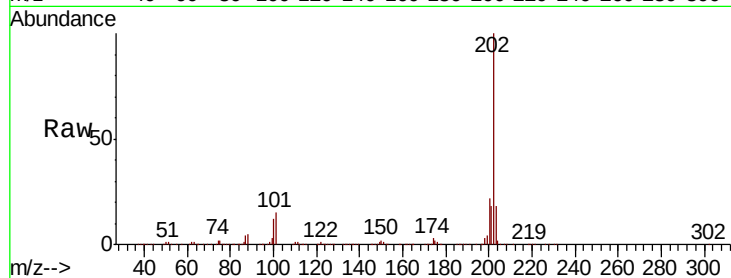
ClientSampleId :

B-18(5-7)DL

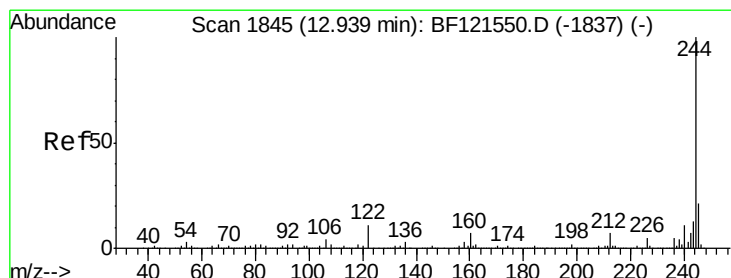
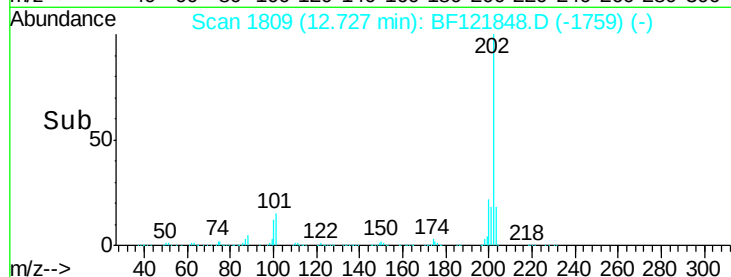
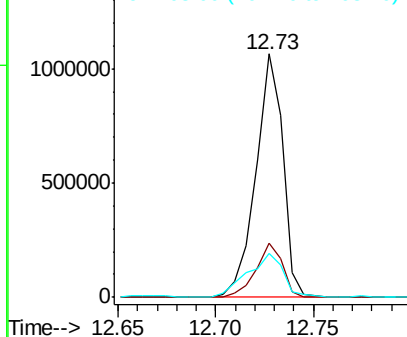
Tot Ion:	202	Resp:	1023082
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.2	14.6	21.8

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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: 7.685 ng

RT: 12.86 min Scan# 1832

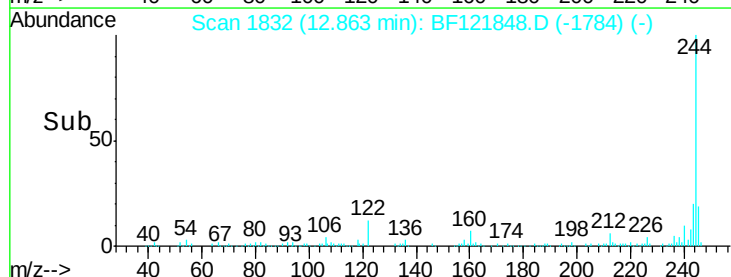
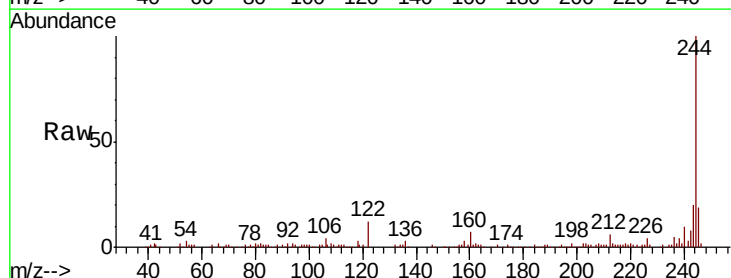
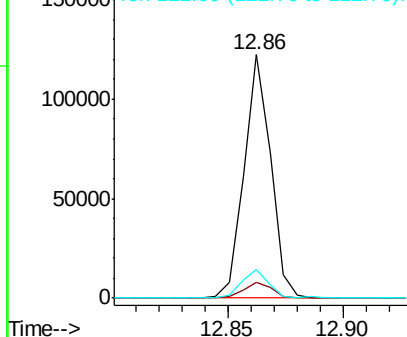
Delta R.T. -0.02 min

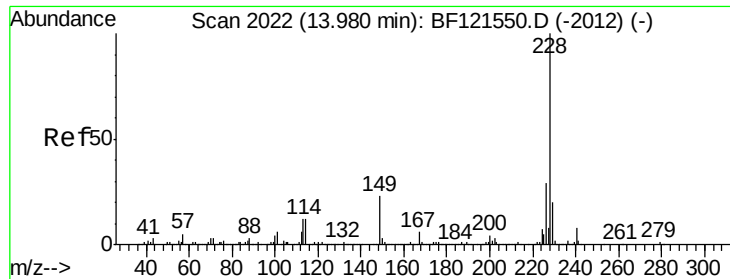
Lab File: BF121848.D

Acq: 6 Oct 2020 12:51

Tgt Ion:	244	Resp:	98192
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	11.7	8.1	12.1

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





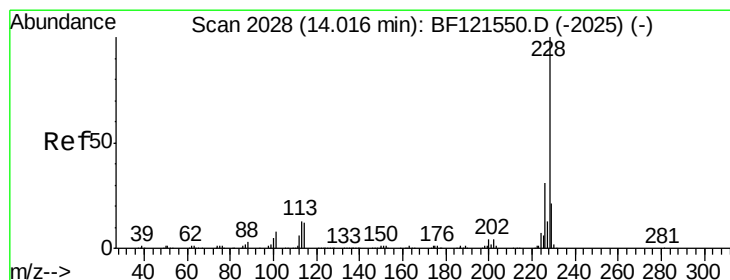
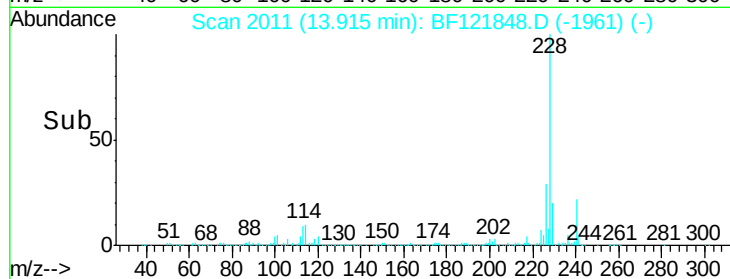
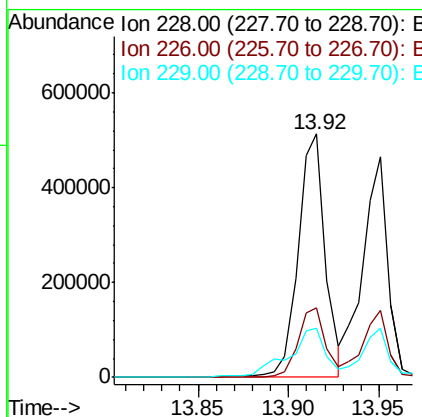
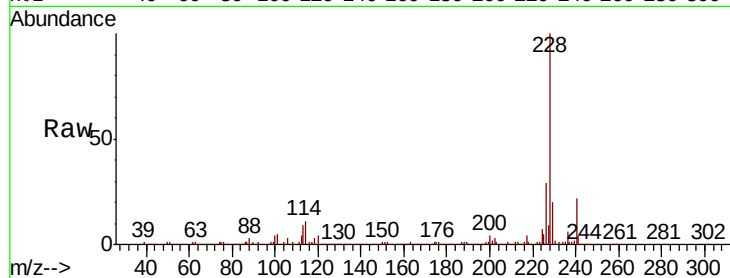
#81
Benzo(a)anthracene
Concen: 32.812 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121848.D
Acq: 6 Oct 2020 12:51

Instrument :
BNA_F
ClientSampleId :
B-18(5-7)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.3	33.5
229	20.1	16.2	24.4

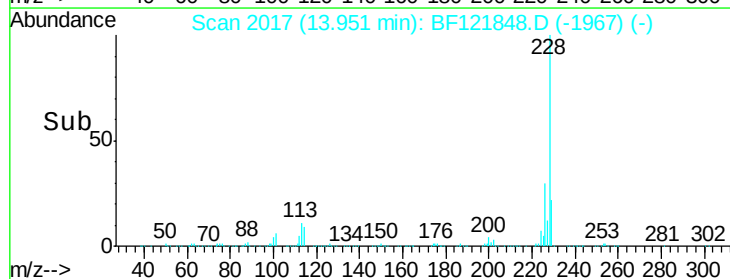
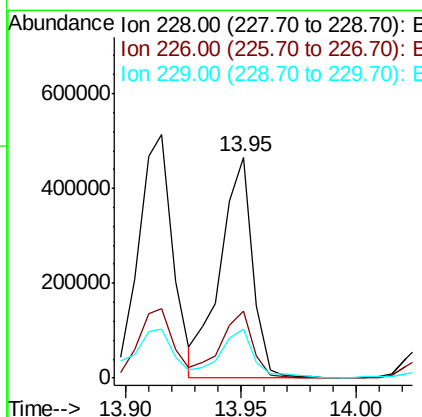
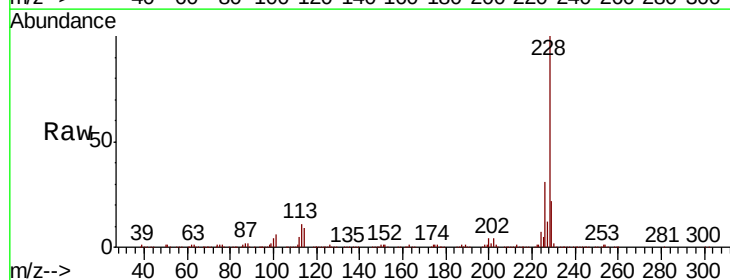
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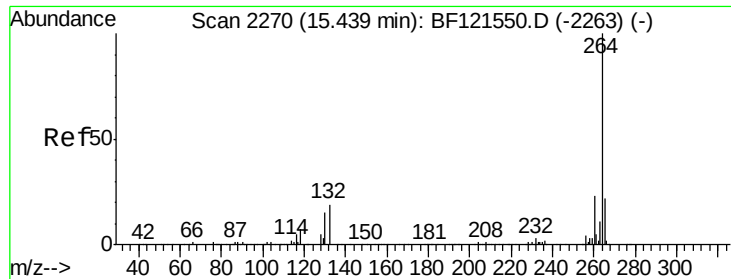
mohammad
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#83
Chrysene
Concen: 27.223 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121848.D
Acq: 6 Oct 2020 12:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	22.4	15.9	23.9





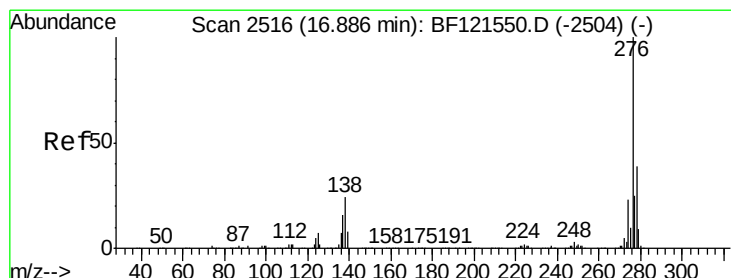
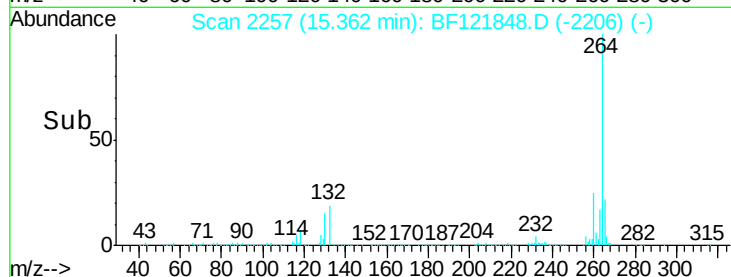
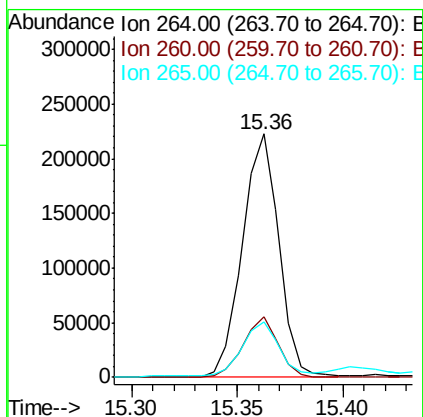
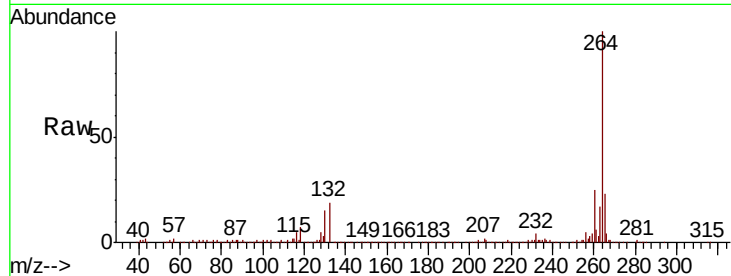
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121848.D
Acq: 6 Oct 2020 12:51

Instrument :
BNA_F
ClientSampleId :
B-18(5-7)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.7	28.1
265	22.5	17.3	25.9

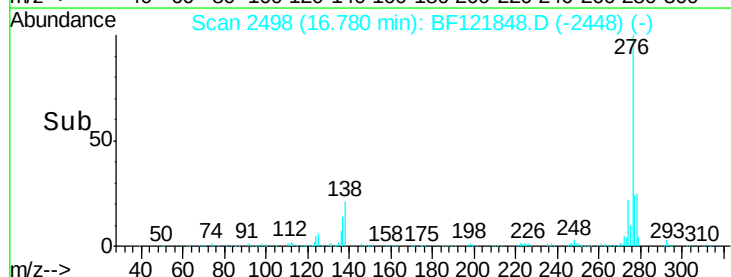
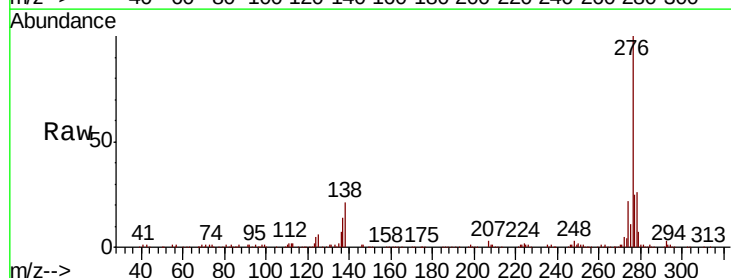
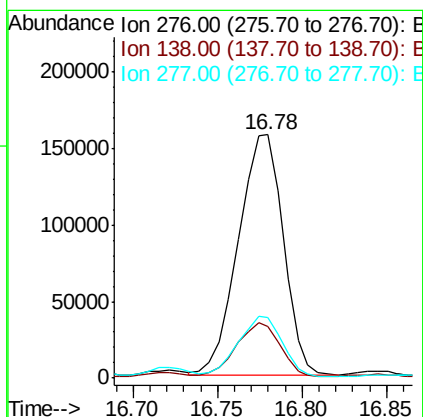
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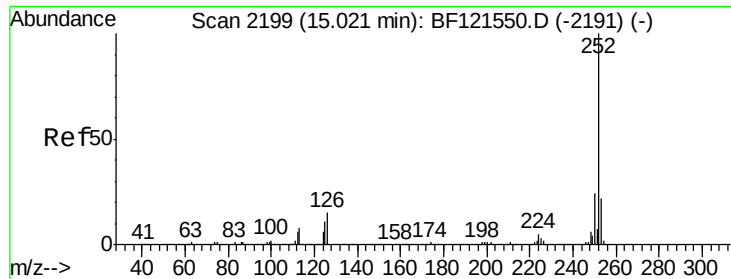
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#87
Indeno(1,2,3-cd)pyrene
Concen: 16.768 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BF121848.D
Acq: 6 Oct 2020 12:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.9	29.9
277	24.6	20.4	30.6





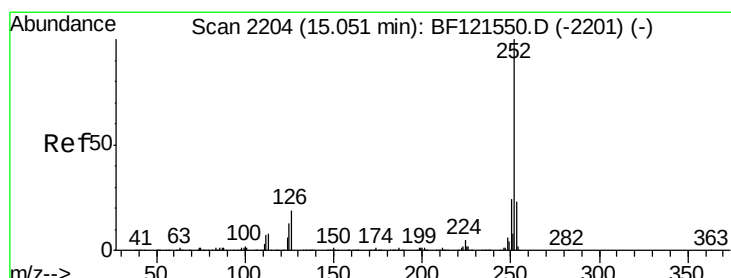
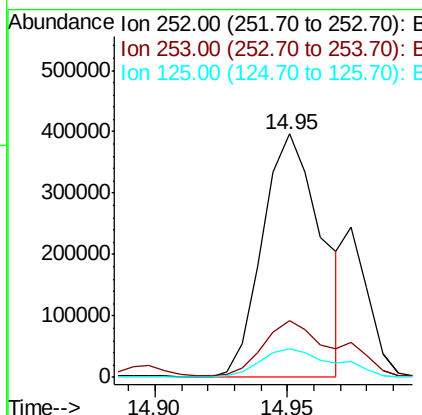
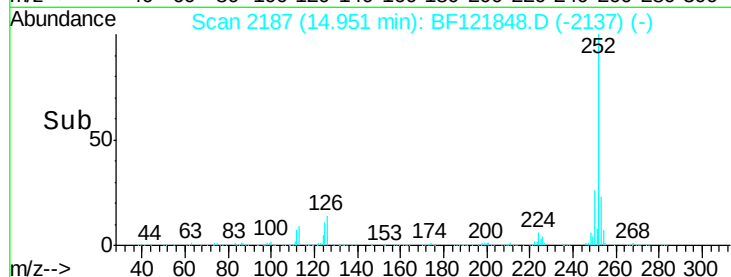
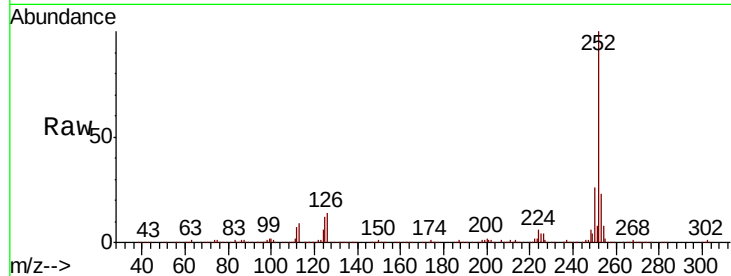
#88
Benzo(b)fluoranthene
Concen: 34.715 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121848.D
Acq: 6 Oct 2020 12:51

Instrument :
BNA_F
ClientSampleId :
B-18(5-7)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	11.6	8.0	12.0

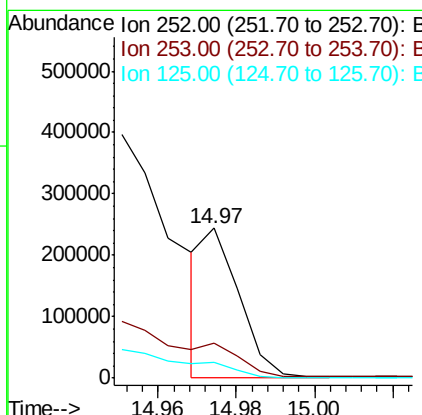
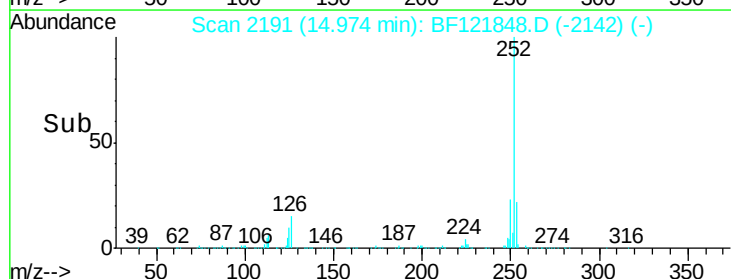
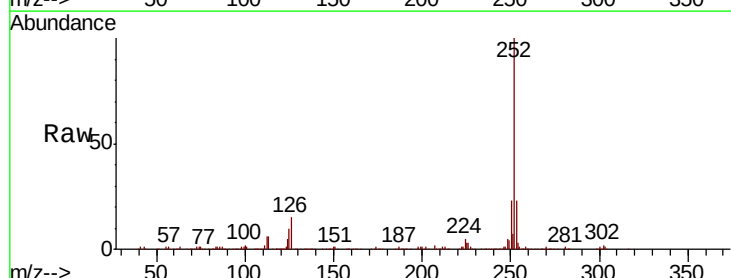
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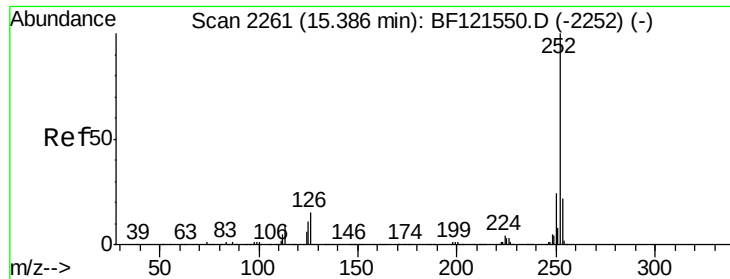
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#89
Benzo(k)fluoranthene
Concen: 9.620 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121848.D
Acq: 6 Oct 2020 12:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	10.4	7.7	11.5





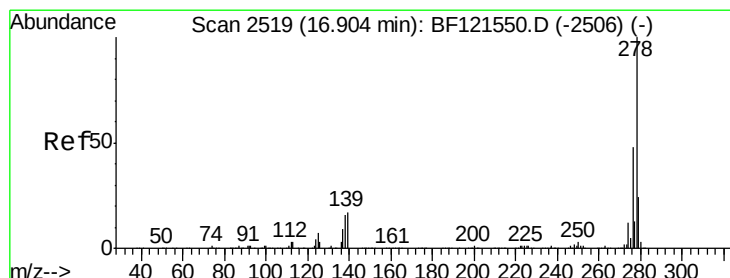
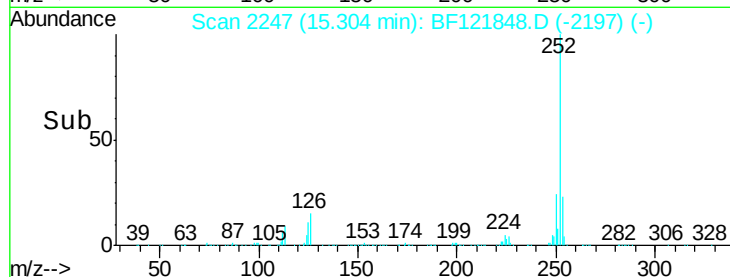
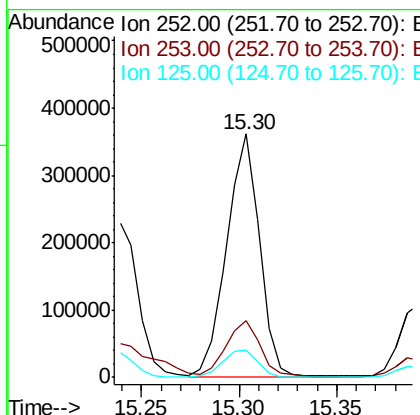
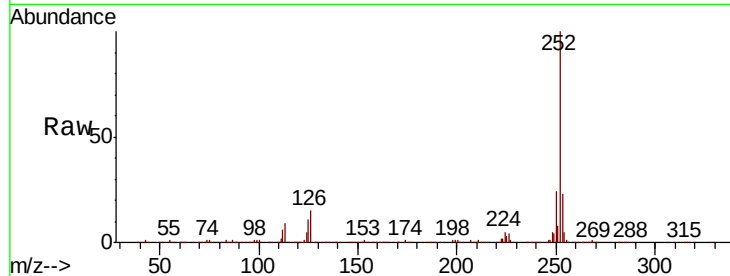
#90
Benzo(a)pyrene
Concen: 27.941 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121848.D
Acq: 6 Oct 2020 12:51

Instrument :
BNA_F
ClientSampled :
B-18(5-7)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	11.1	8.6	13.0

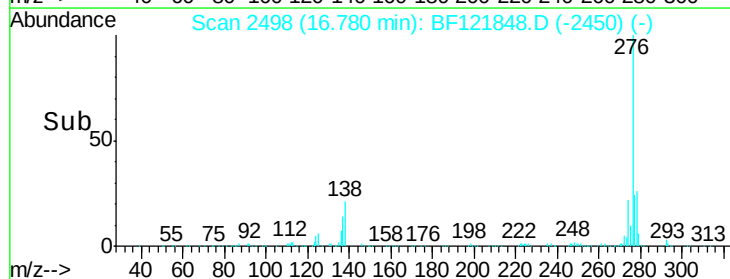
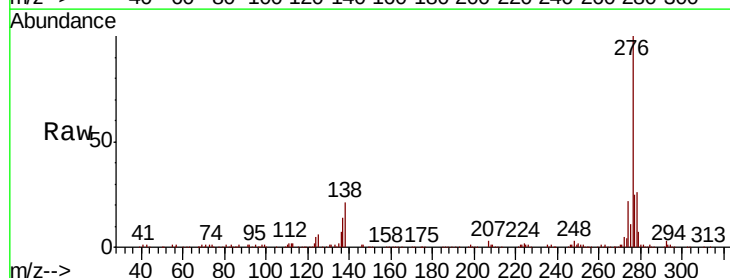
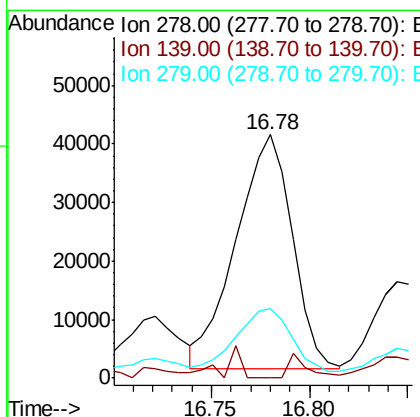
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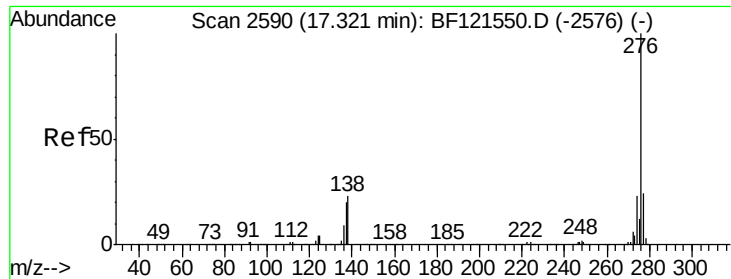
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 5.542 ng m
RT: 16.78 min Scan# 2498
Delta R.T. -0.02 min
Lab File: BF121848.D
Acq: 6 Oct 2020 12:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	28.6	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 19.230 ng
 RT: 17.20 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF121848.D
 Acq: 6 Oct 2020 12:51

Instrument :
 BNA_F
 ClientSampleId :
 B-18(5-7)DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	271525		
277	24.9		19.4	29.2
138	22.5		17.8	26.6

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