

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121721.D
 Acq On : 28 Sep 2020 19:45
 Operator : JU/CG
 Sample : L4154-02 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1(11-13)

Manual Integrations
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Quant Time: Sep 29 01:11:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 11:40:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	159305	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	602007	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	301137	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	491088	20.00	ng	0.00
76) Chrysene-d12	13.96	240	331860	20.00	ng	0.00
86) Perylene-d12	15.41	264	343839	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	129507	12.08	ng	0.00
7) Phenol-d6	6.43	99	206527	14.69	ng	-0.01
23) Nitrobenzene-d5	7.36	82	135016	12.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	19663	5.25	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	261339	13.14	ng	0.00
79) Terphenyl-d14	12.90	244	199560	12.18	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.10	128	125805	3.959	ng	98
52) Acenaphthene	9.86	154	52624	2.854	ng	99
55) Dibenzofuran	10.04	168	52761	2.032	ng	95
58) Fluorene	10.38	166	73640	3.709	ng	98
71) Phenanthrene	11.35	178	741937	27.729	ng	99
72) Anthracene	11.39	178	198735	7.198	ng	98
73) Carbazole	11.55	167	58014	2.328	ng	98
75) Fluoranthene	12.53	202	805819	28.213	ng	98
78) Pyrene	12.76	202	749155	30.897	ng	99
81) Benzo(a)anthracene	13.95	228	388235	18.492	ng	96
83) Chrysene	13.99	228	343291	16.147	ng	96
87) Indeno(1,2,3-cd)pyrene	16.83	276	162732	7.267	ng	96
88) Benzo(b)fluoranthene	14.99	252	394486m	17.162	ng	
89) Benzo(k)fluoranthene	15.02	252	143278m	6.807	ng	
90) Benzo(a)pyrene	15.34	252	309076	15.818	ng	95
91) Dibenzo(a,h)anthracene	16.84	278	44149	2.369	ng	# 83
92) Benzo(a,h,i)perylene	17.27	276	144496	7.886	ng	95

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

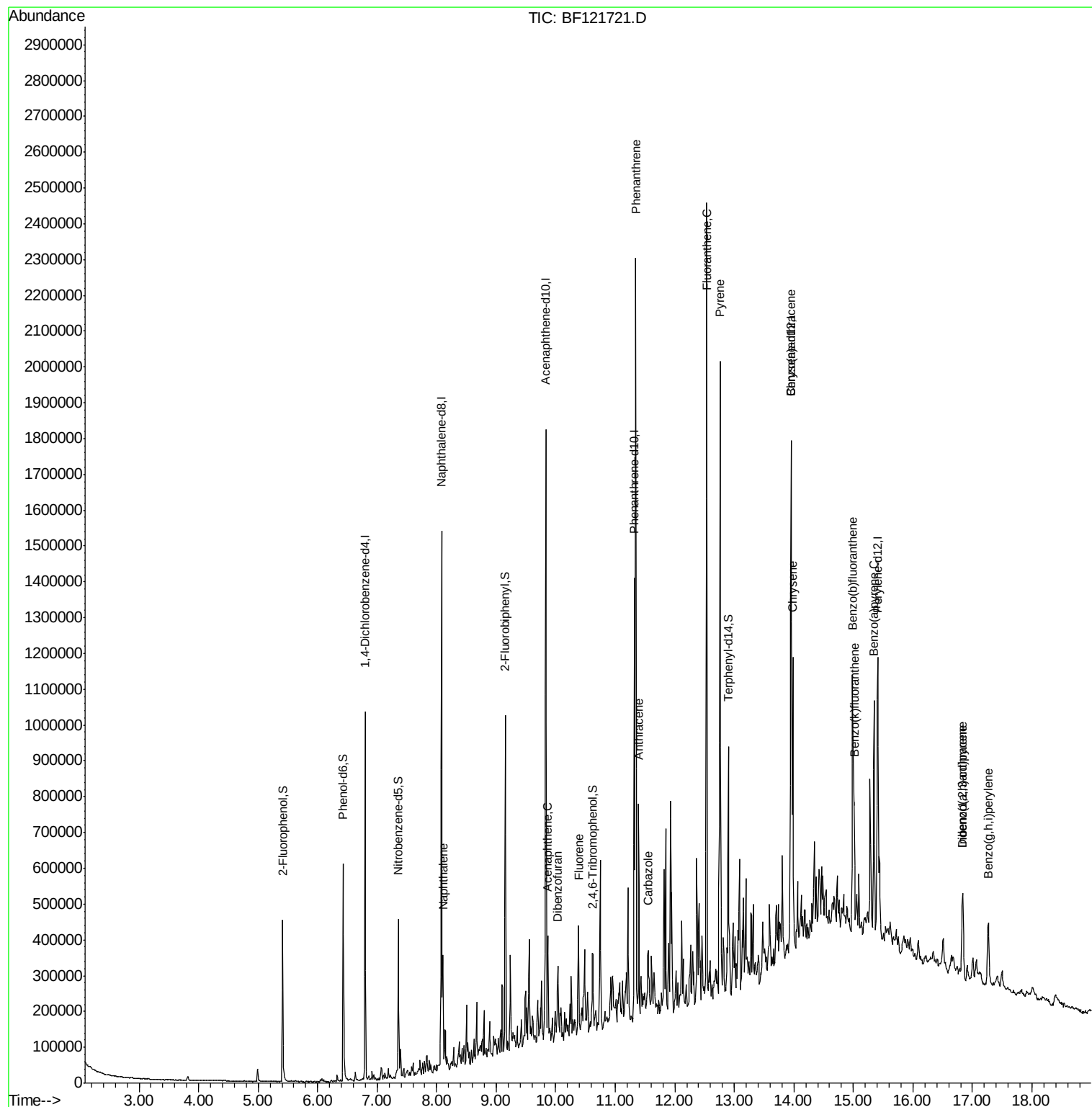
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
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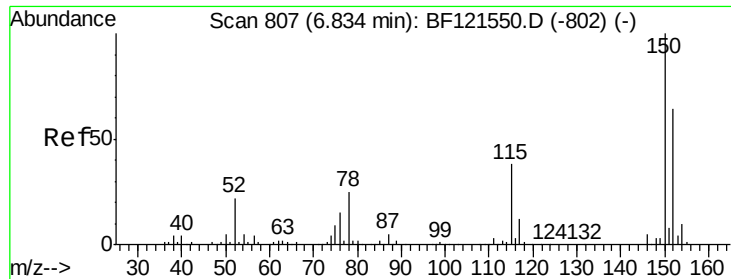
Instrument :
BNA_F
ClientSampleId :
B-1(11-13)

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Quant Time: Sep 29 01:11:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 11:40:42 2020
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#1

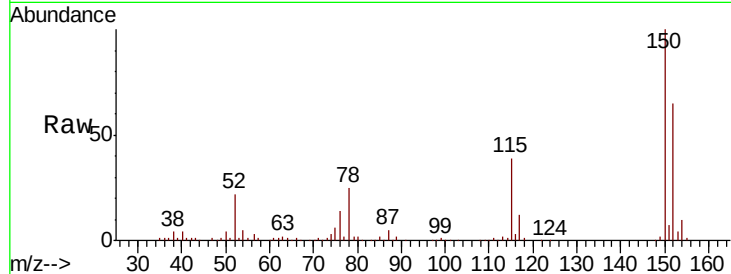
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Instrument :
BNA_F
ClientSampleId :
B-1(11-13)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	122.6	184.0
115	60.1	47.1	70.7

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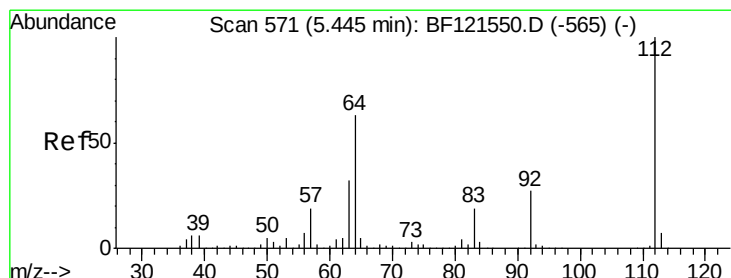
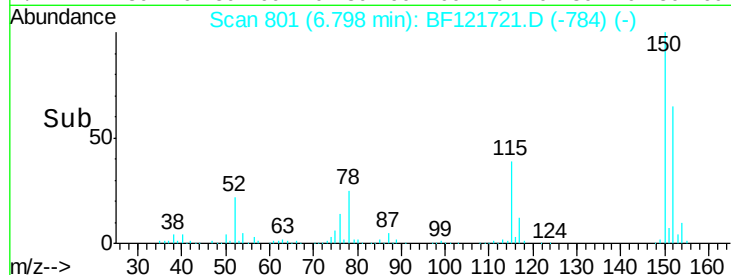
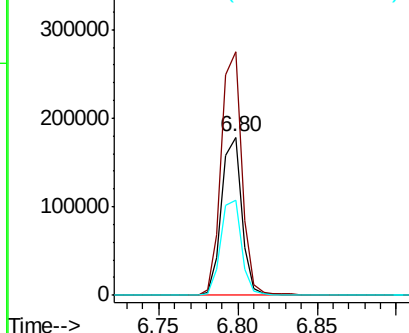


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

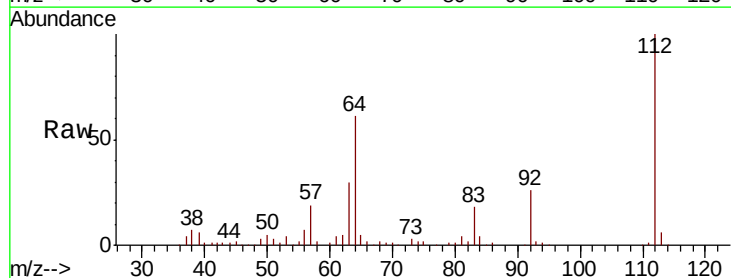
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 12.081 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.5	74.3
63	30.5	25.4	38.0

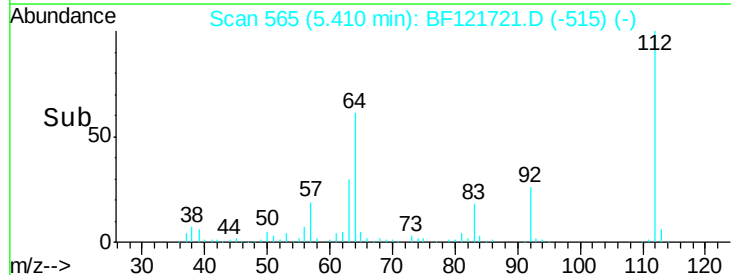
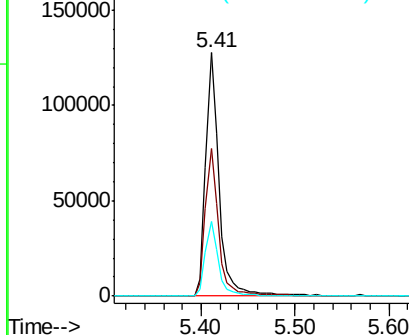


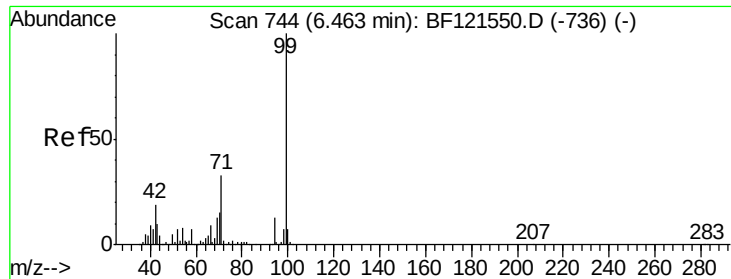
Abundance

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: 14.686 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF121721.D

Acq: 28 Sep 2020 19:45

Instrument :

BNA_F

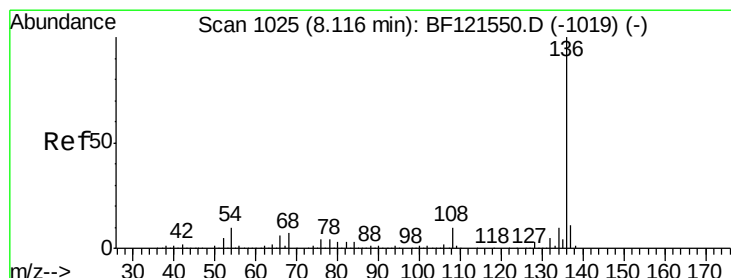
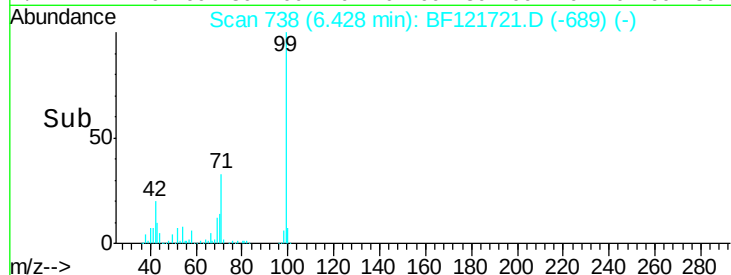
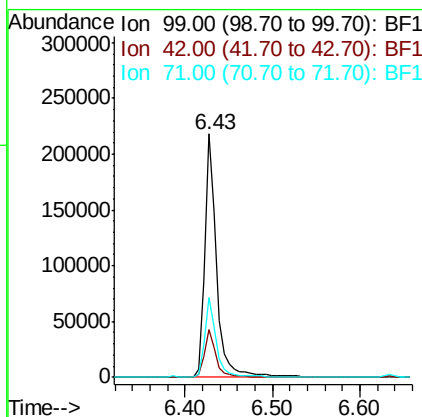
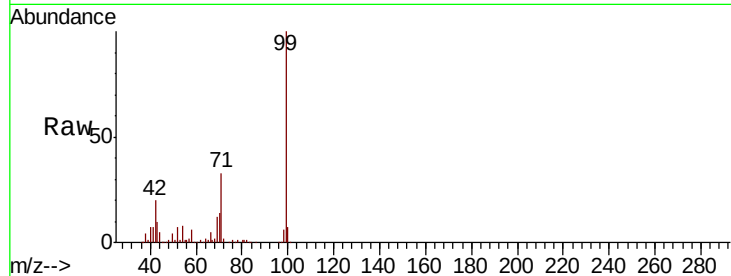
ClientSampleId :

B-1(11-13)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		206527		
42	19.6	16.1	24.1		
71	32.8	27.6	41.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

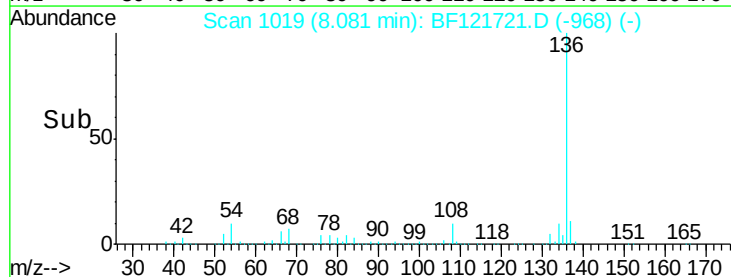
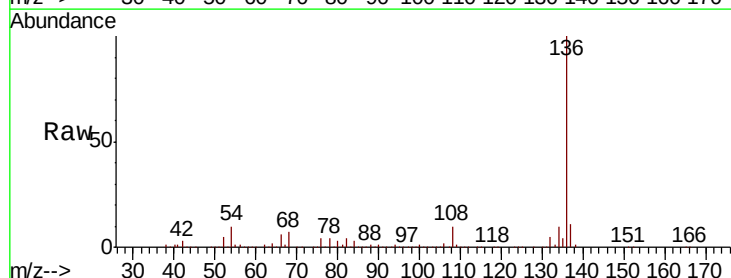
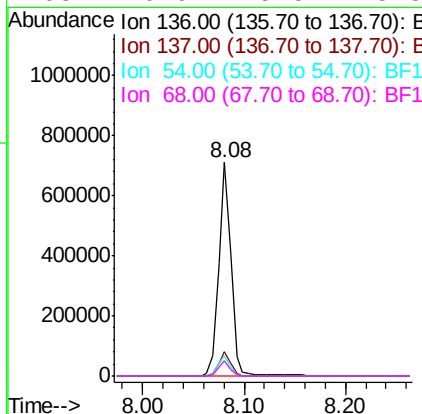
RT: 8.08 min Scan# 1019

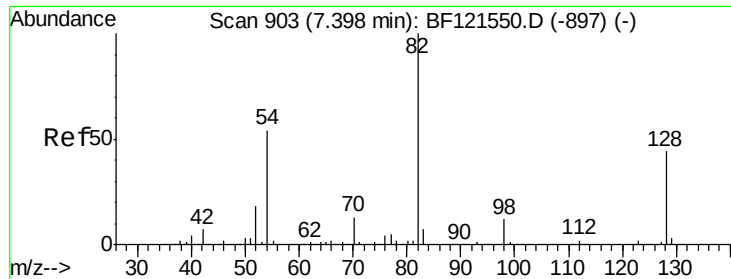
Delta R.T. 0.00 min

Lab File: BF121721.D

Acq: 28 Sep 2020 19:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		602007		
137	11.2	8.8	13.2		
54	9.5	7.5	11.3		
68	6.9	5.5	8.3		





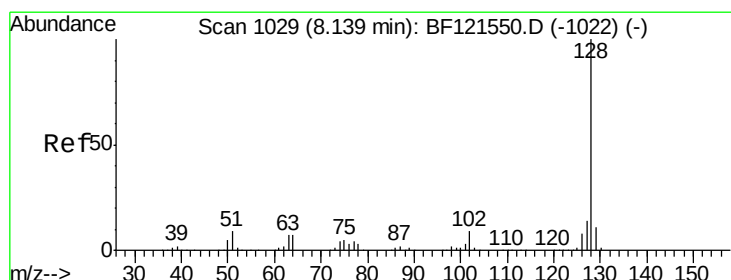
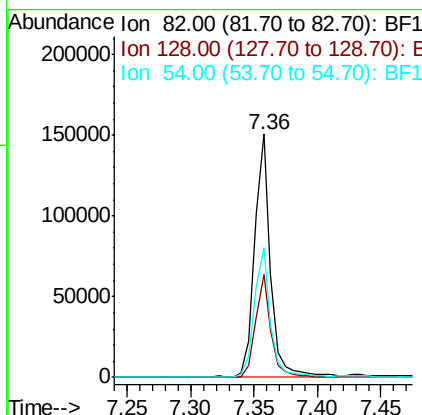
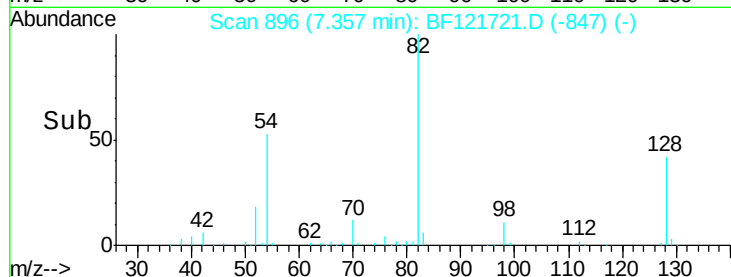
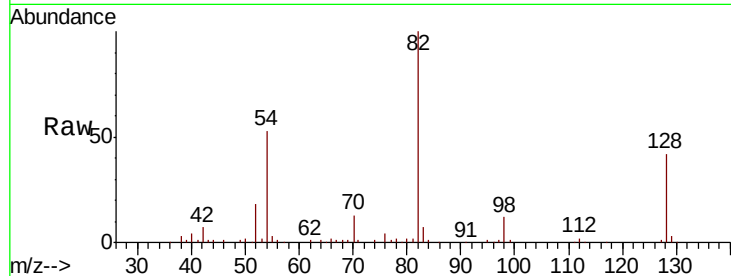
#23
 Nitrobenzene-d5
 Concen: 12.042 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF121721.D
 Acq: 28 Sep 2020 19:45

Instrument :
 BNA_F
 ClientSampleId :
 B-1(11-13)

Tot Ion	82	Resp	135016
Ion Ratio	Lower	Upper	
82	100		
128	42.1	35.8	53.6
54	53.1	42.6	63.8

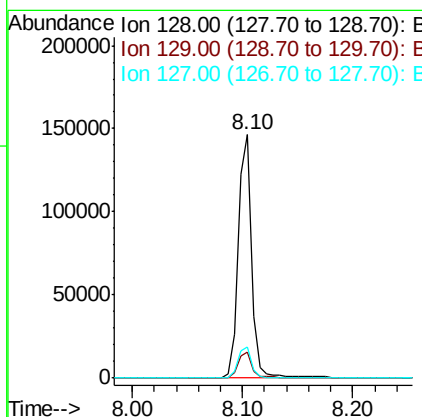
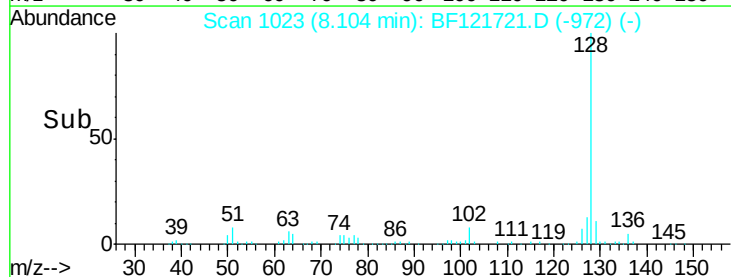
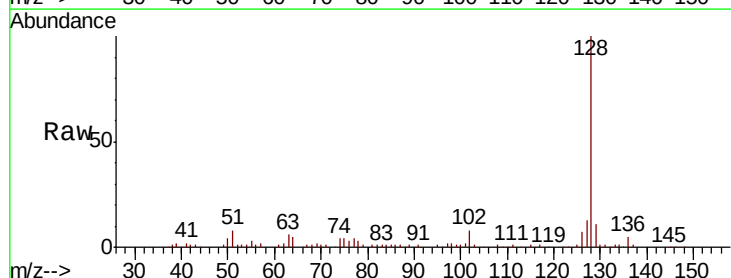
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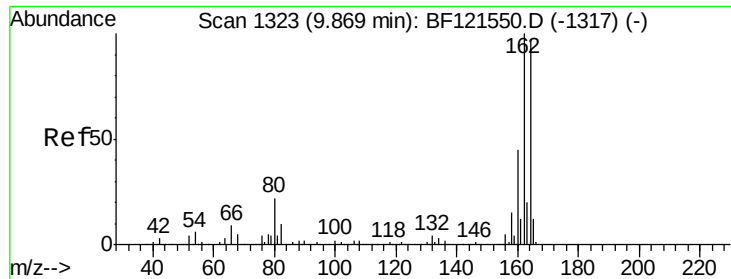
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#31
 Naphthalene
 Concen: 3.959 ng
 RT: 8.10 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BF121721.D
 Acq: 28 Sep 2020 19:45

Tgt Ion	128	Resp	125805
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.1	13.7
127	12.6	10.8	16.2





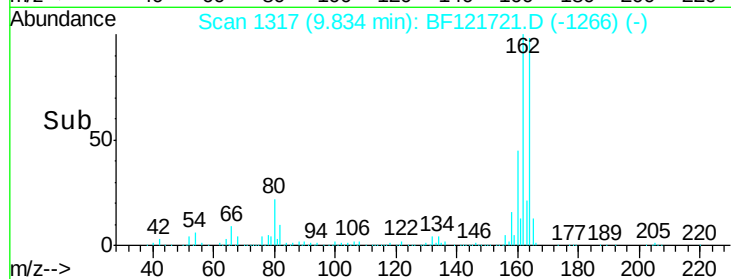
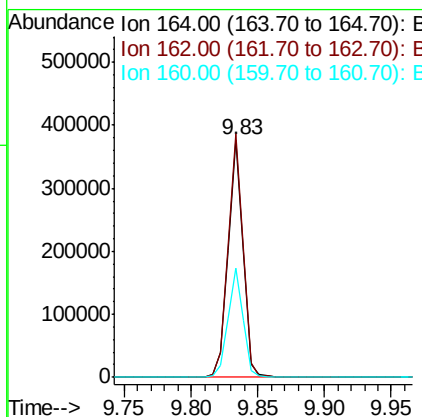
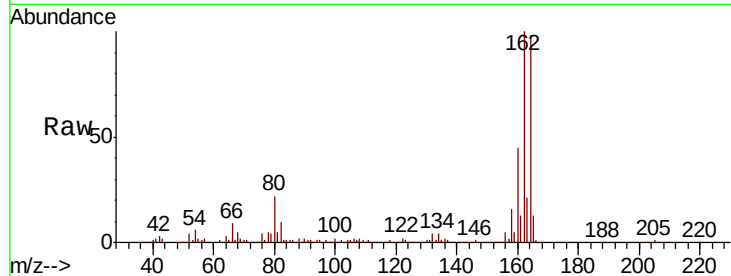
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF121721.D
 Acq: 28 Sep 2020 19:45

Instrument :
 BNA_F
 ClientSampleId :
 B-1(11-13)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	82.1	123.1	
160	45.8	36.8	55.2	

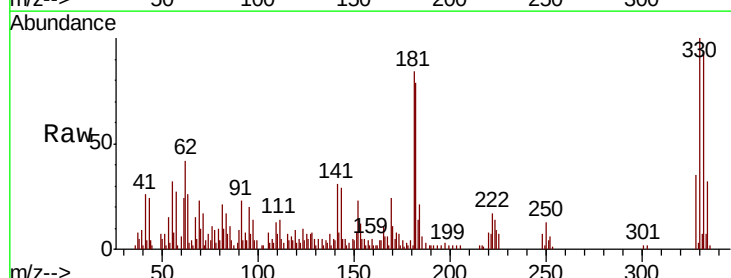
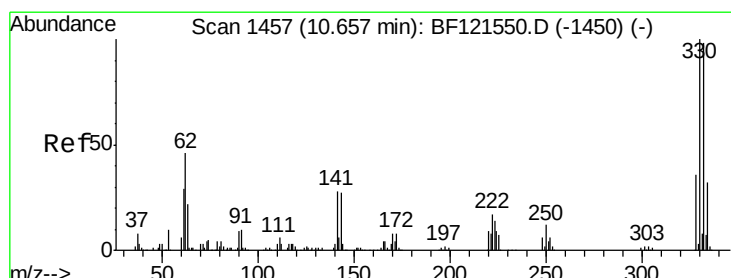
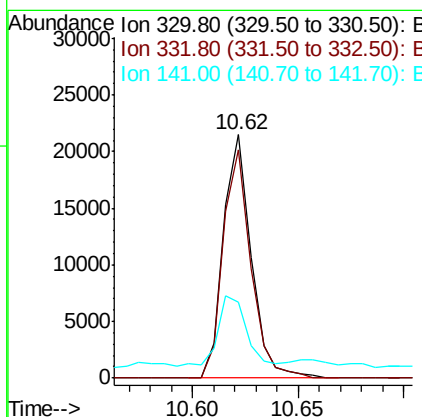
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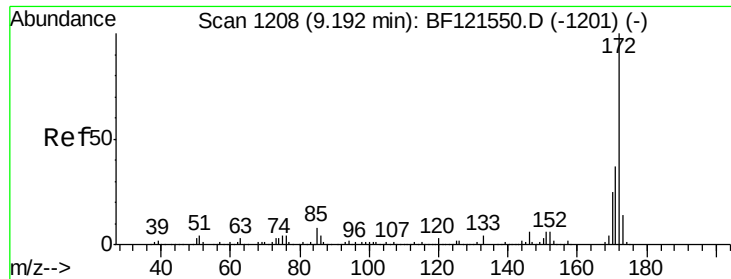
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#42
 2,4,6-Tribromophenol
 Concen: 5.254 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF121721.D
 Acq: 28 Sep 2020 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.7	76.0	114.0	
141	28.6	22.2	33.4	





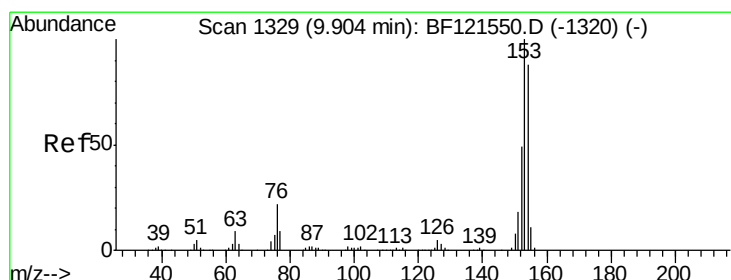
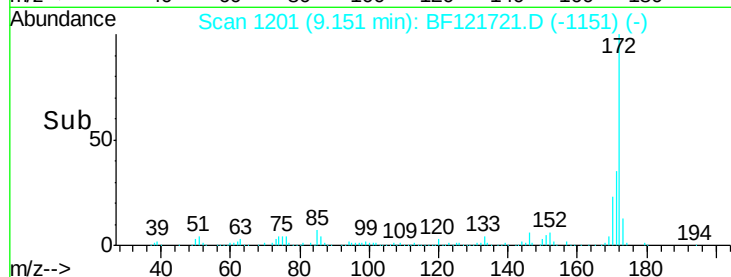
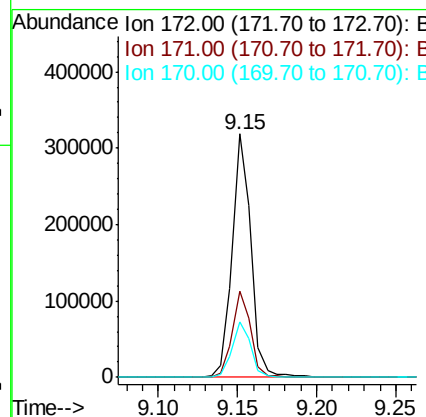
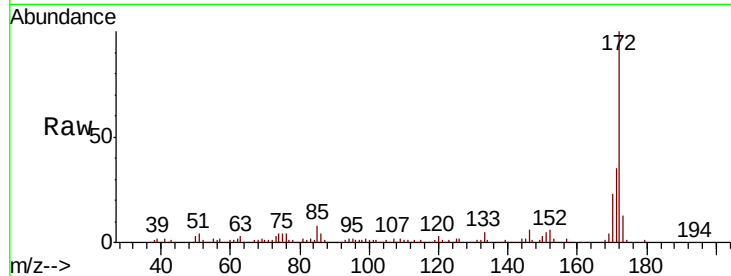
#45
2-Fluorobiphenyl
Concen: 13.144 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Instrument :
BNA_F
ClientSampleId :
B-1(11-13)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	261339		
171	35.4		29.0	43.6
170	23.0		19.5	29.3

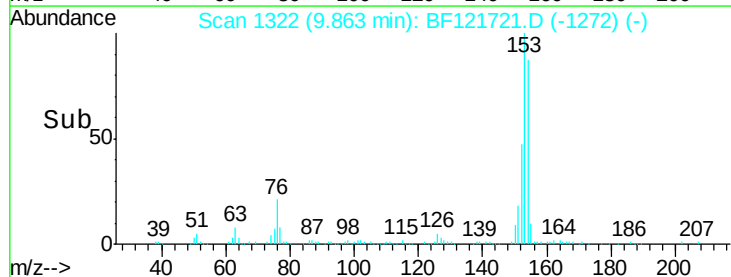
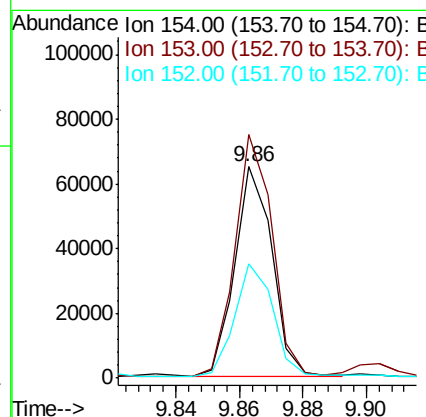
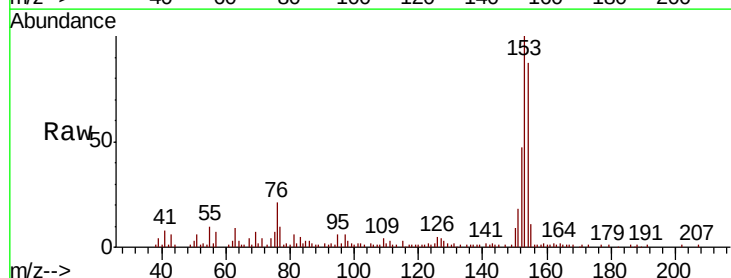
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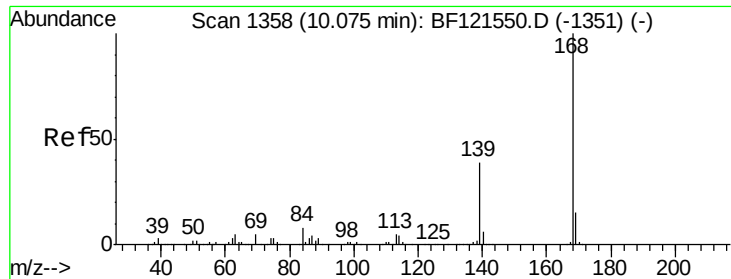
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#52
Acenaphthene
Concen: 2.854 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	52624		
153	115.2		91.7	137.5
152	54.3		44.0	66.0





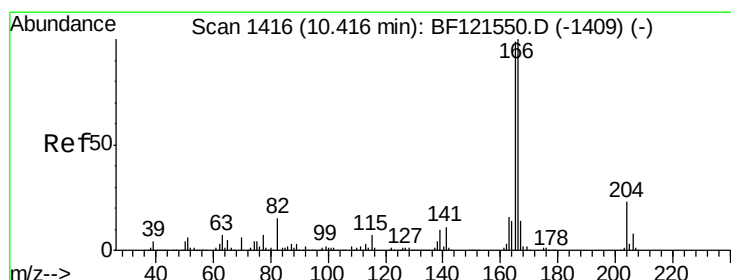
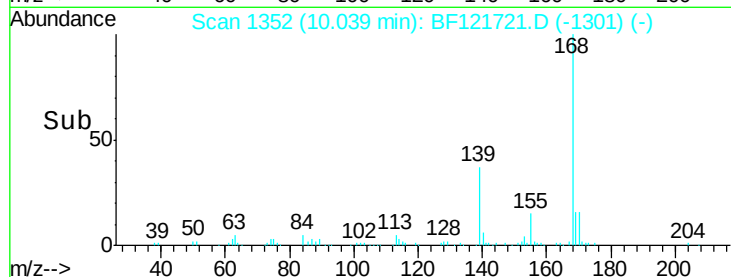
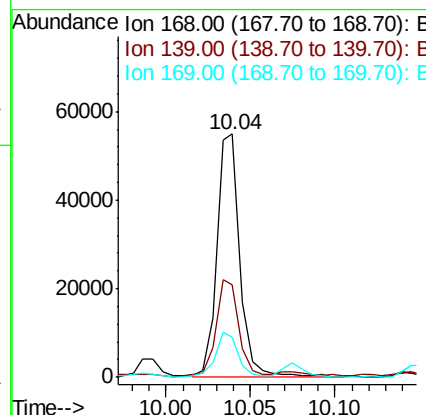
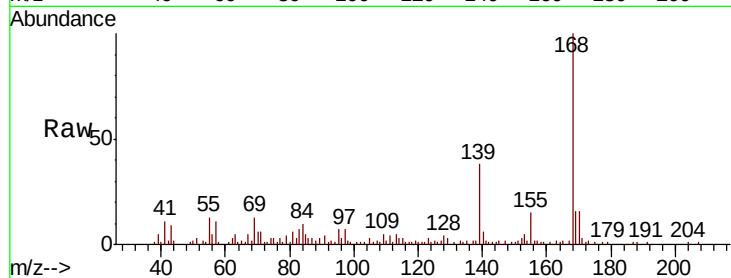
#55
Dibenzofuran
Concen: 2.032 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Instrument :
BNA_F
ClientSampleId :
B-1(11-13)

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	32.6	49.0
169	16.4	11.7	17.5

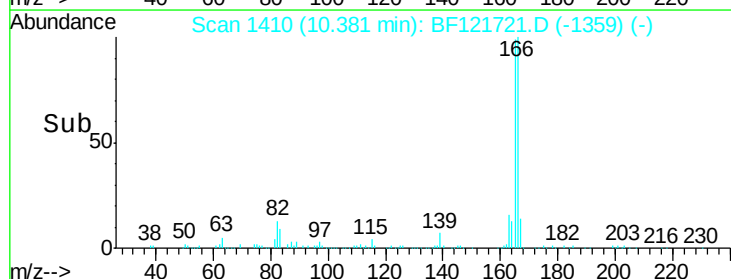
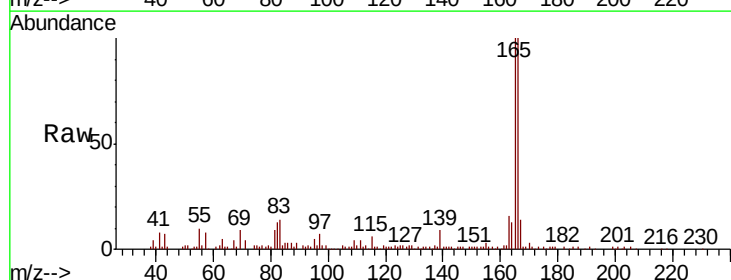
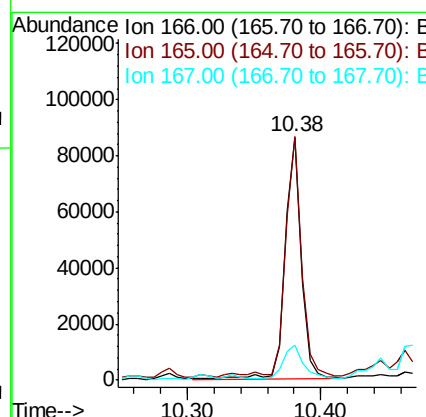
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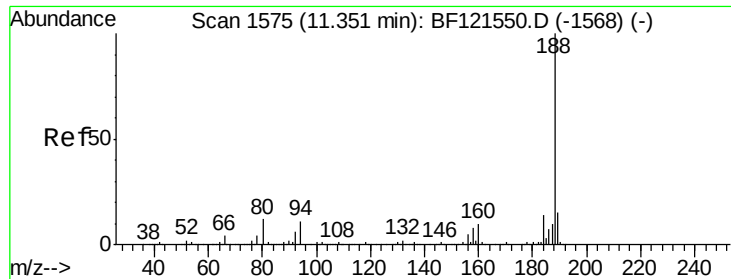
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#58
Fluorene
Concen: 3.709 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	78.8	118.2
167	14.2	11.0	16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF121721.D

Acq: 28 Sep 2020 19:45

Instrument :

BNA_F

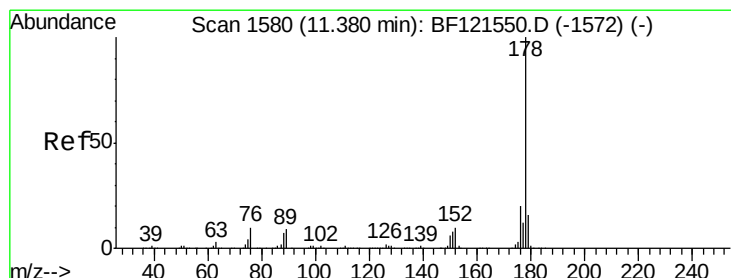
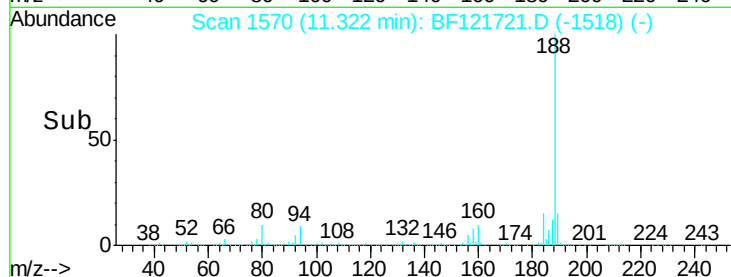
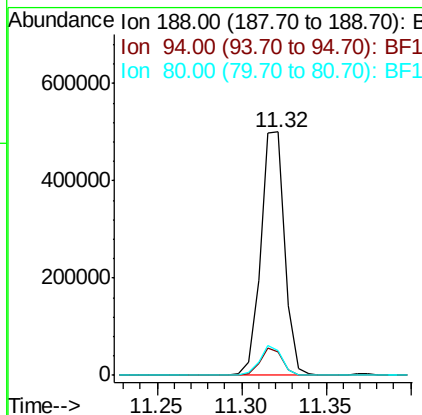
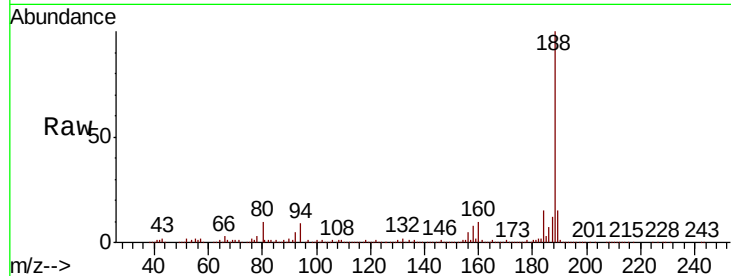
ClientSampleId :

B-1(11-13)

Tot Ion:	188	Resp:	491088
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.4	12.6
80	10.1	9.3	13.9

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#71

Phenanthrene

Concen: 27.729 ng

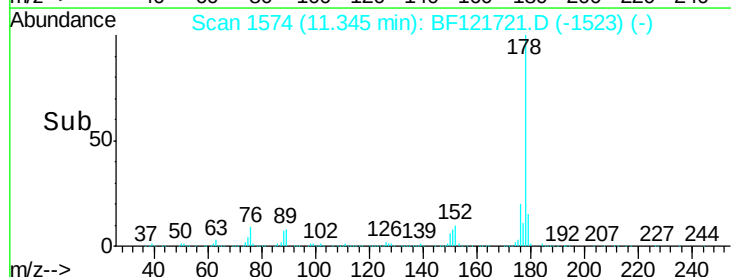
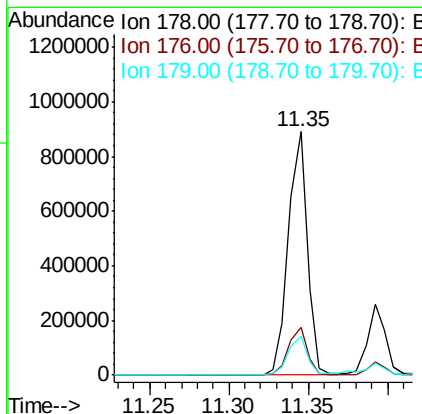
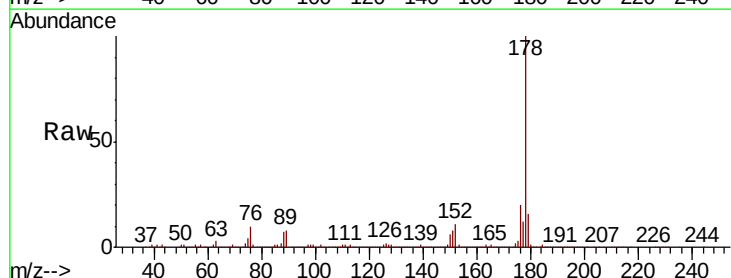
RT: 11.35 min Scan# 1574

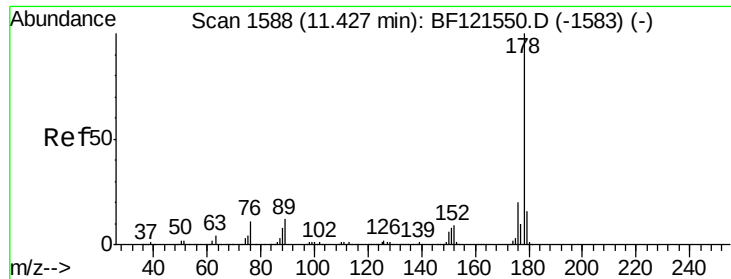
Delta R.T. 0.00 min

Lab File: BF121721.D

Acq: 28 Sep 2020 19:45

Tgt Ion:	178	Resp:	741937
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.2	24.4
179	15.7	12.5	18.7





#72

Anthracene

Concen: 7.198 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF121721.D

Acq: 28 Sep 2020 19:45

Instrument :

BNA_F

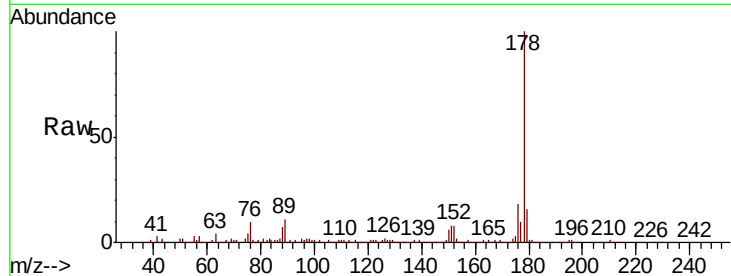
ClientSampleId :

B-1(11-13)

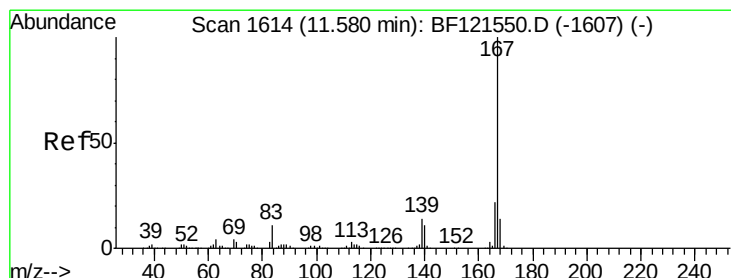
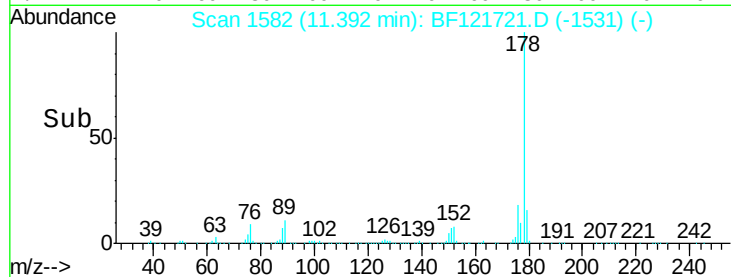
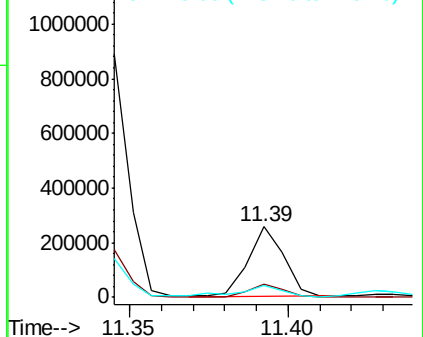
Tot Ion:178	Resp:	198735
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.6 23.4
179	16.1	12.7 19.1

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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



#73

Carbazole

Concen: 2.328 ng

RT: 11.55 min Scan# 1609

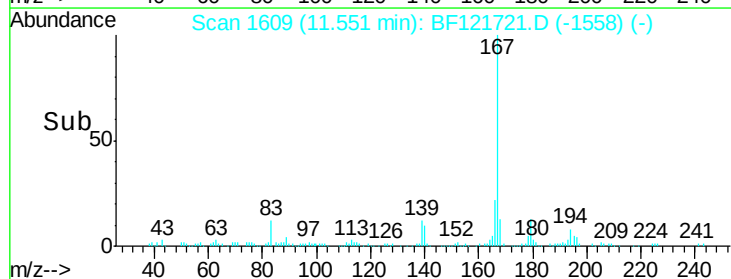
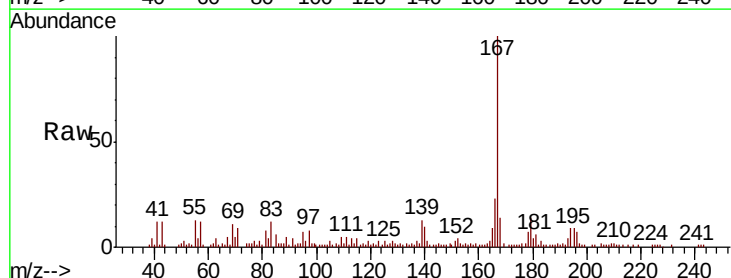
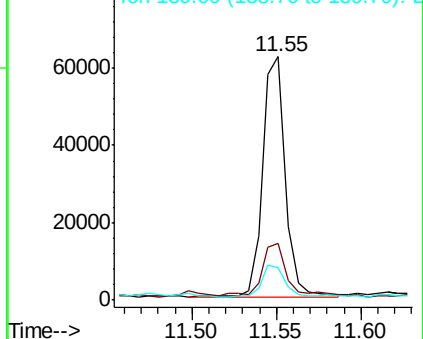
Delta R.T. 0.00 min

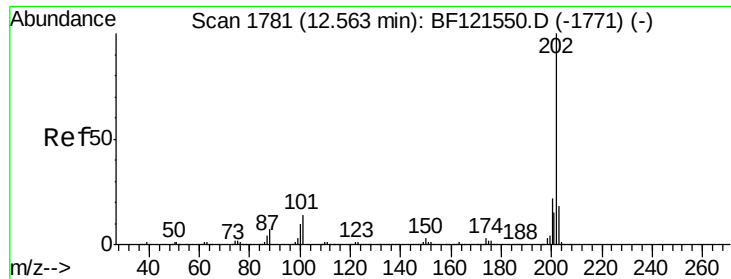
Lab File: BF121721.D

Acq: 28 Sep 2020 19:45

Tgt Ion:167	Resp:	58014
Ion Ratio	Lower	Upper
167	100	
166	23.3	17.6 26.4
139	13.1	10.7 16.1

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 28.213 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF121721.D

Acq: 28 Sep 2020 19:45

Instrument :

BNA_F

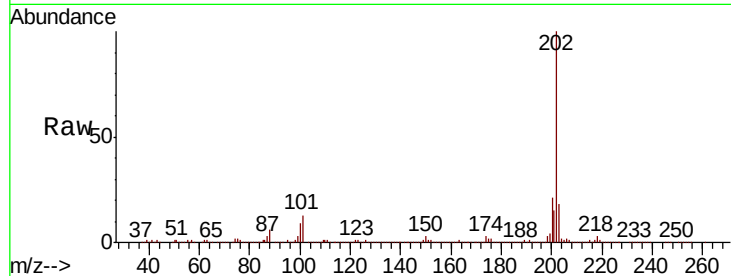
ClientSampleId :

B-1(11-13)

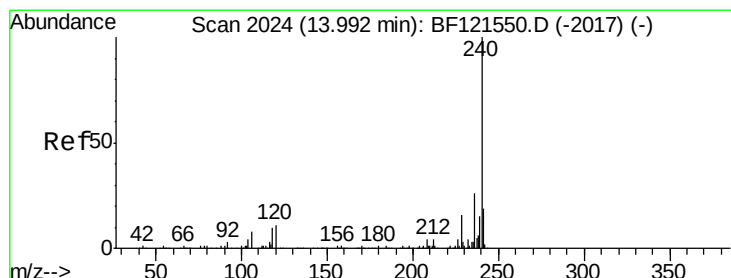
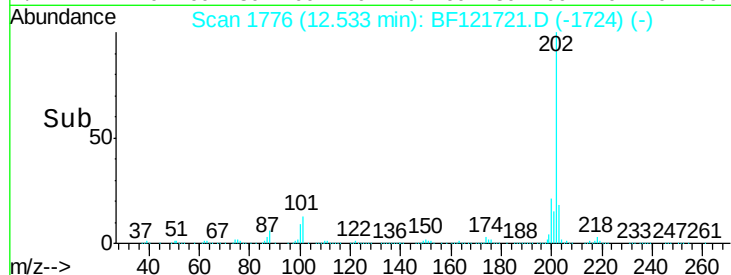
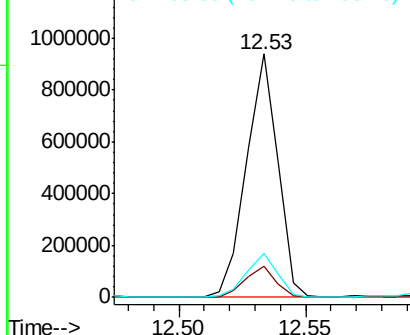
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		805819		
101	12.6	0.0	33.7		
203	18.2	0.0	38.5		

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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

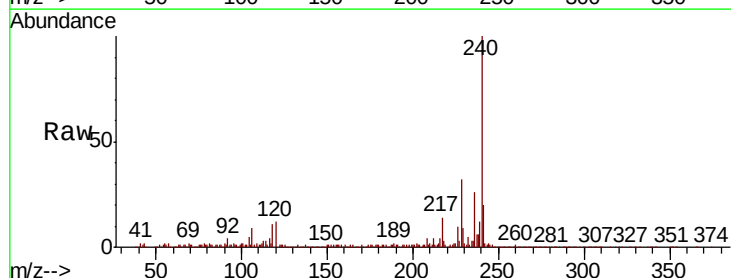
RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

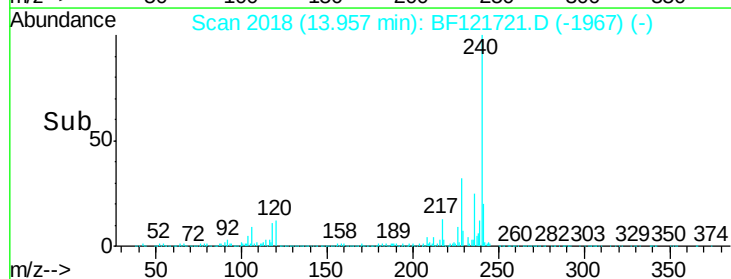
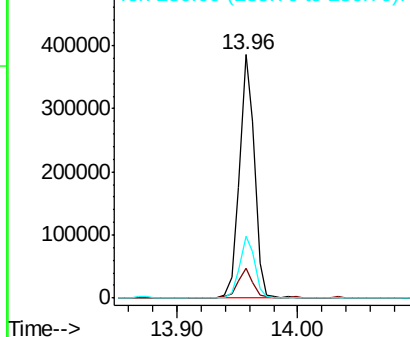
Lab File: BF121721.D

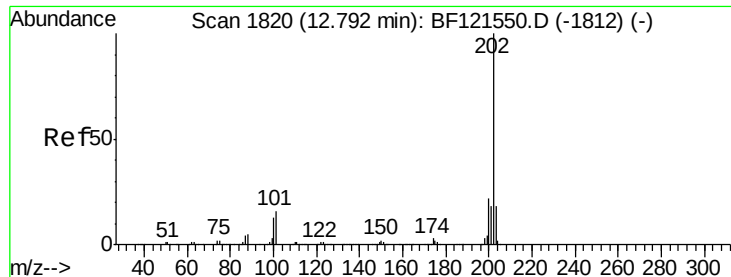
Acq: 28 Sep 2020 19:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		331860		
120	12.1	9.1	13.7		
236	25.5	20.6	30.8		



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





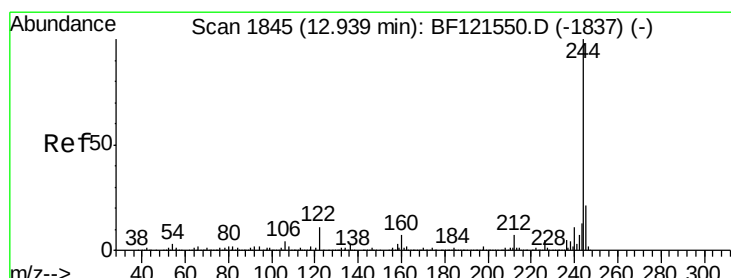
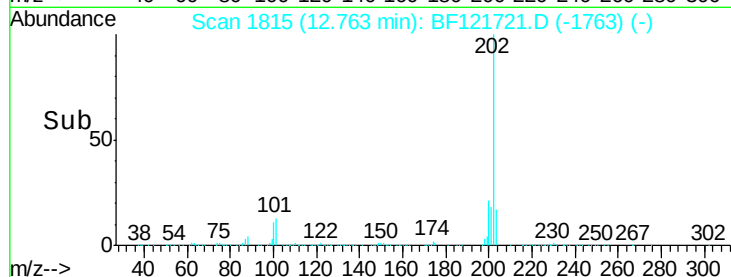
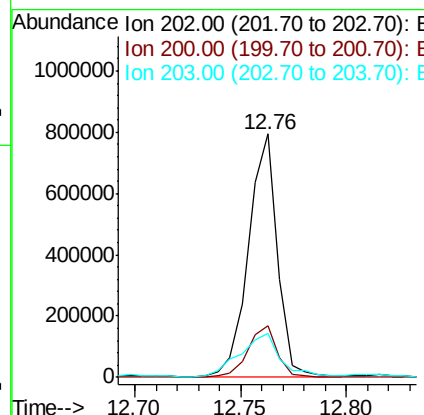
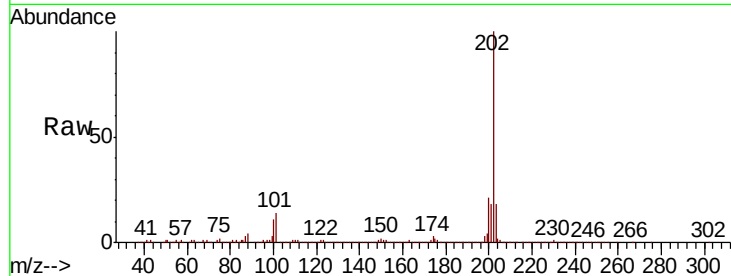
#78
Pvrene
Concen: 30.897 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Instrument :
BNA_F
ClientSampled :
B-1(11-13)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.8	26.8
203	18.0	14.3	21.5

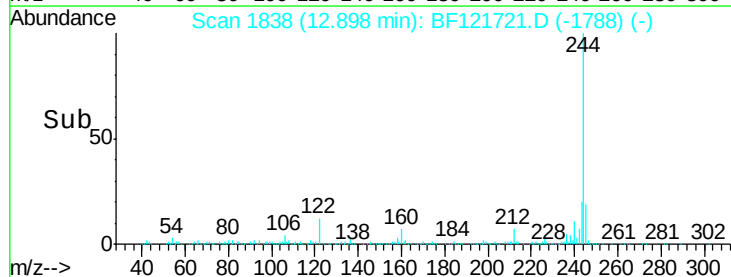
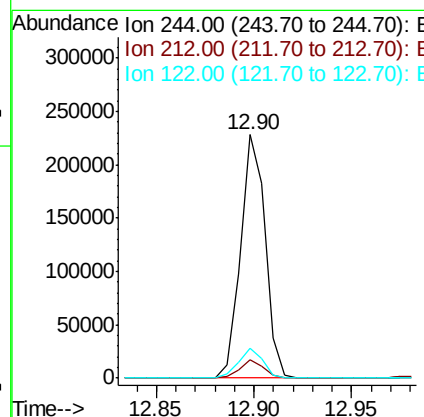
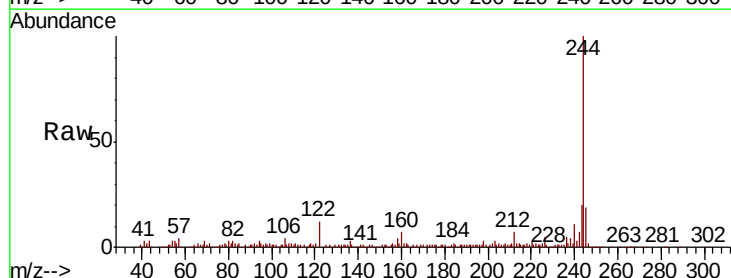
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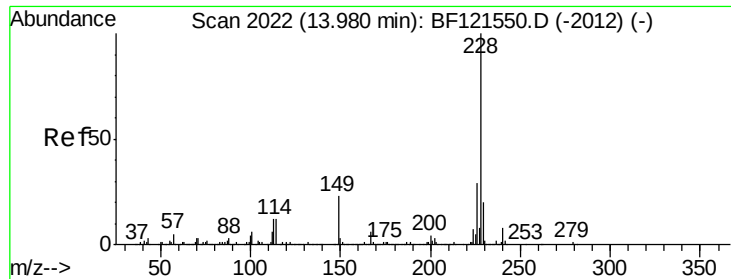
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#79
Terphenyl-d14
Concen: 12.183 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.6	8.4
122	12.3	8.0	12.0#





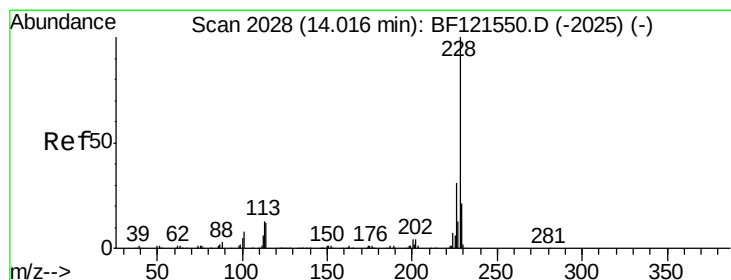
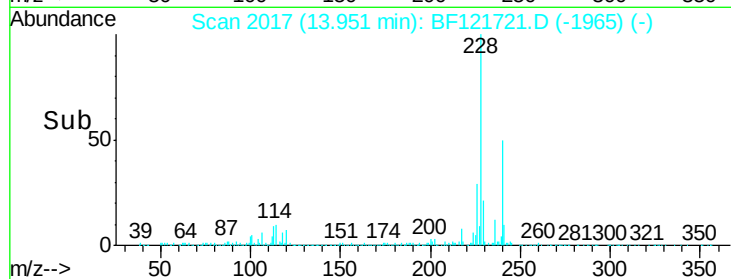
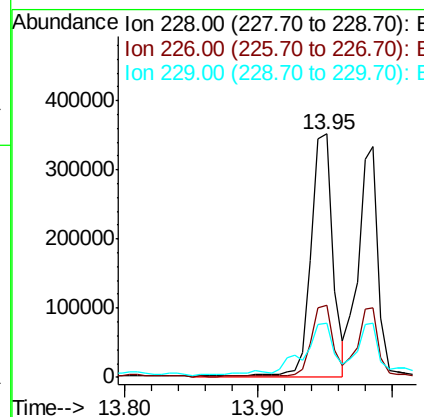
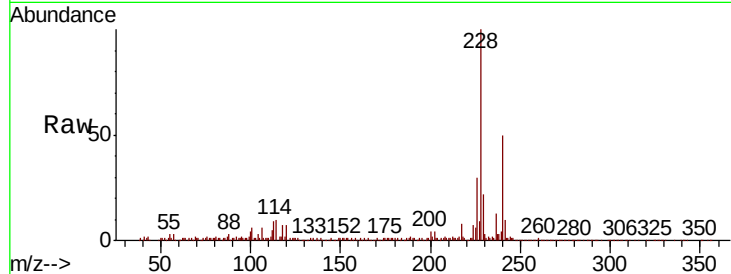
#81
Benzo(a)anthracene
Concen: 18.492 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Instrument :
BNA_F
ClientSampleId :
B-1(11-13)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	388235		
226	29.9	22.5	33.7	
229	22.1	16.2	24.4	

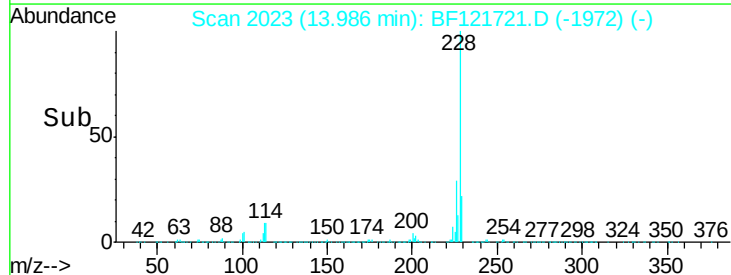
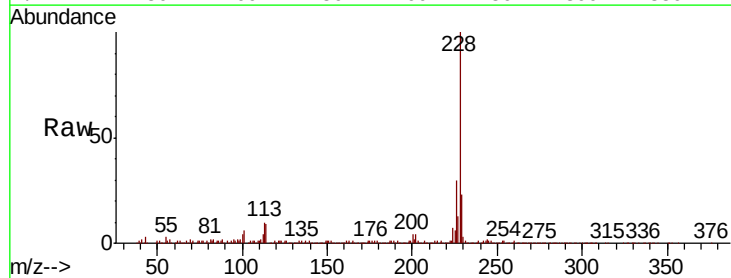
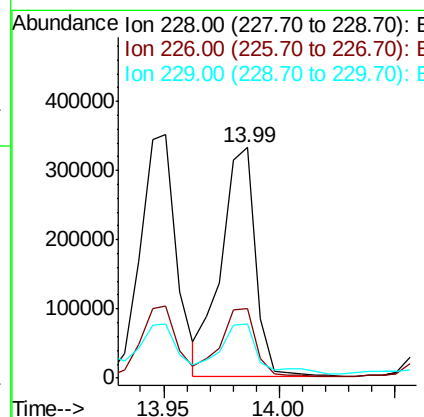
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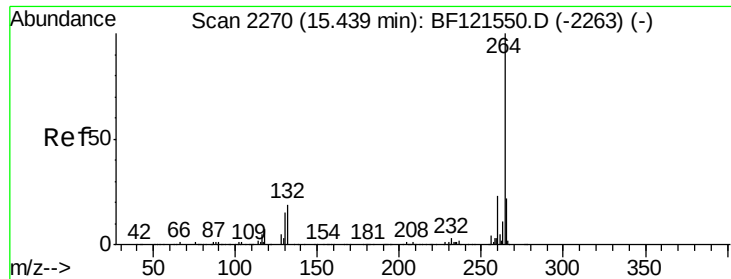
mohammad
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#83
Chrysene
Concen: 16.147 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	343291		
226	30.1	25.0	37.4	
229	23.5	16.0	24.0	





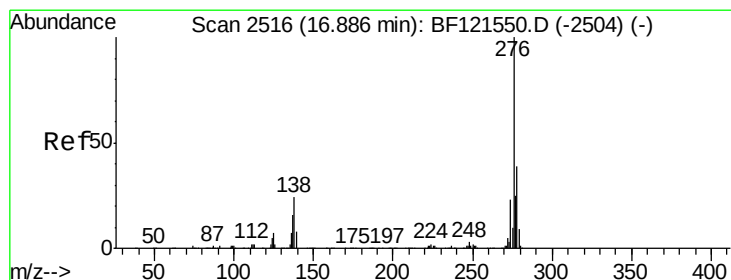
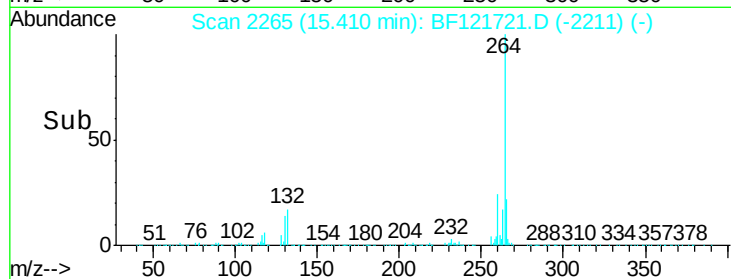
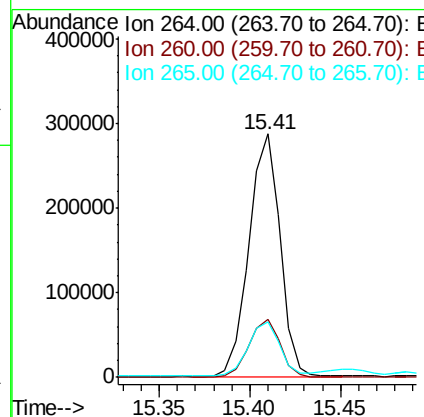
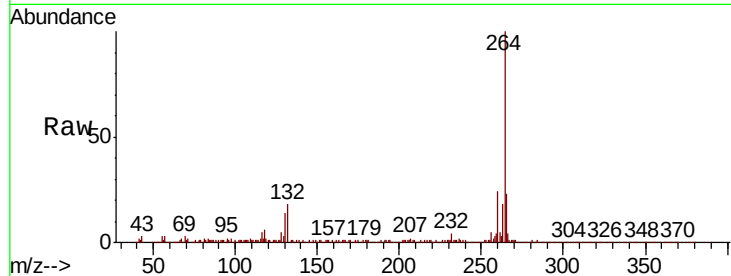
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Instrument :
BNA_F
ClientSampleId :
B-1(11-13)

Tot Ion:	264	Resp:	343839
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.4	27.6
265	22.9	17.2	25.8

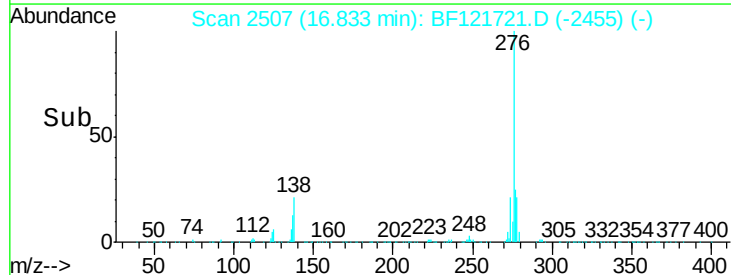
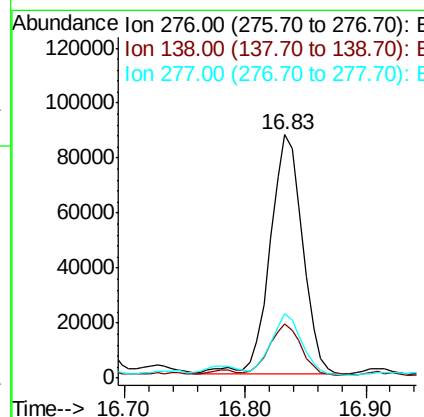
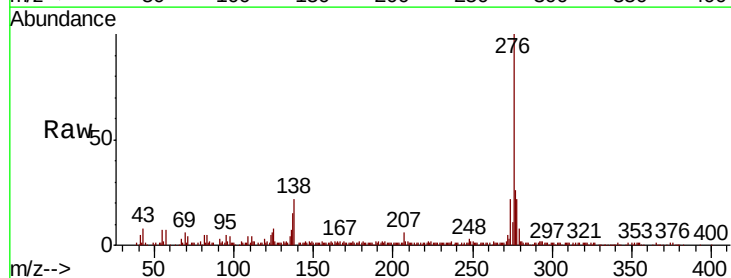
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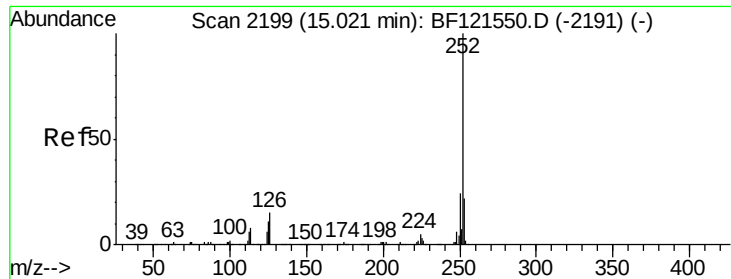
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#87
Indeno(1,2,3-cd)pyrene
Concen: 7.267 ng
RT: 16.83 min Scan# 2507
Delta R.T. 0.01 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Tgt Ion:	276	Resp:	162732
Ion Ratio	Lower	Upper	
276	100		
138	21.3	19.5	29.3
277	24.2	20.2	30.4





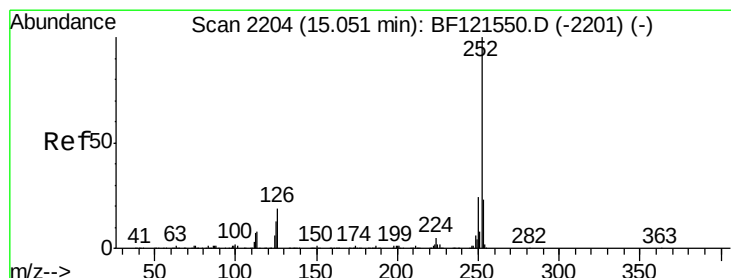
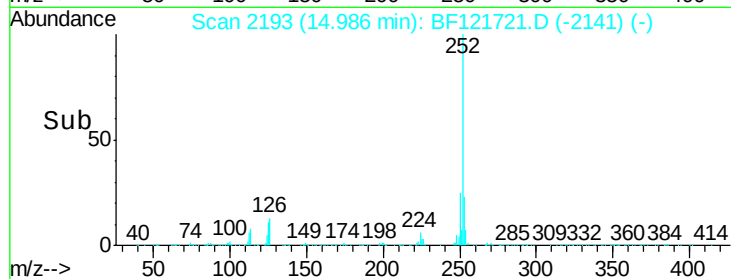
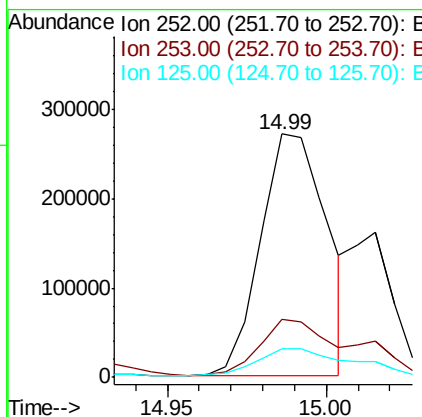
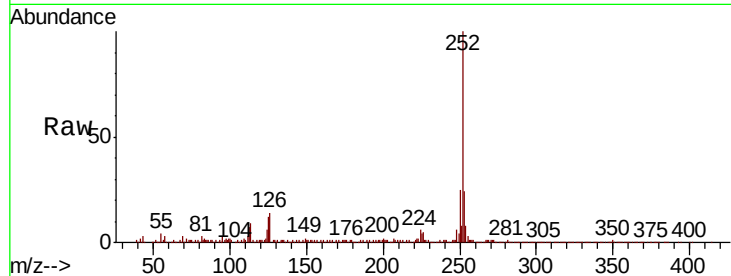
#88
Benzo(b)fluoranthene
Concen: 17.162 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Instrument :
BNA_F
ClientSampleId :
B-1(11-13)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	11.8	8.6	13.0

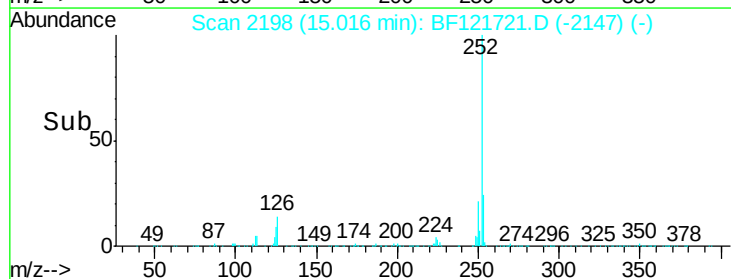
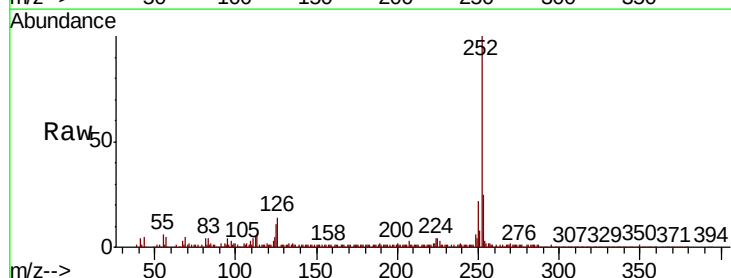
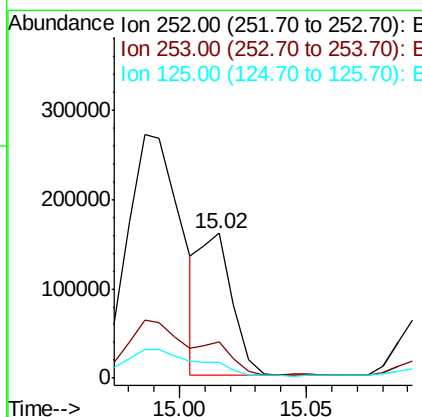
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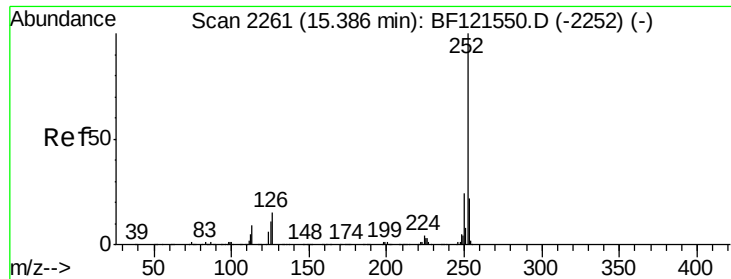
mohammad
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#89
Benzo(k)fluoranthene
Concen: 6.807 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	10.5	7.1	10.7





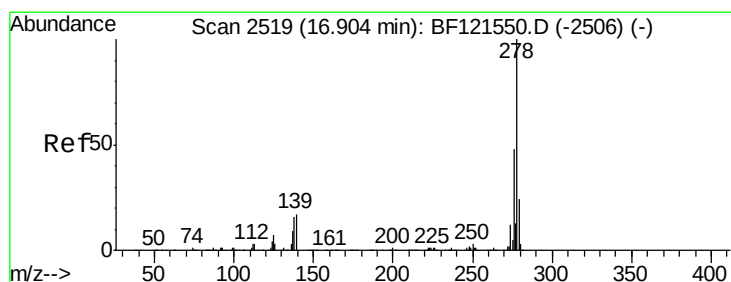
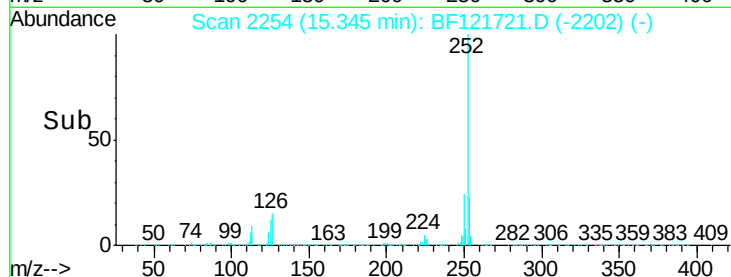
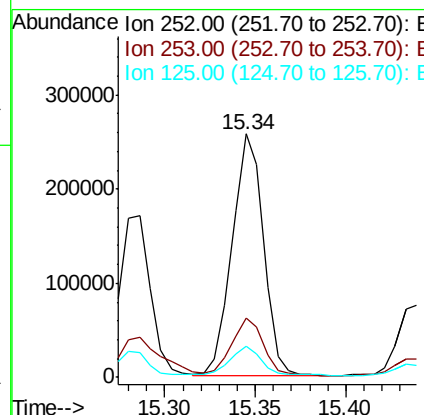
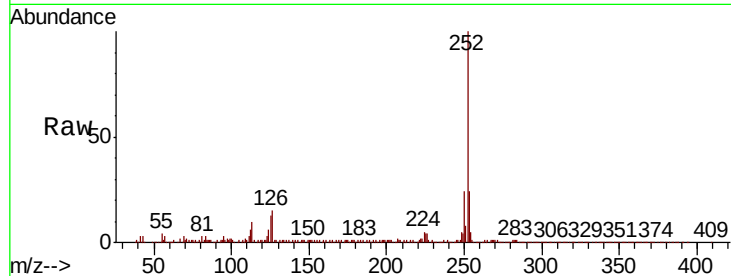
#90
Benzo(a)pyrene
Concen: 15.818 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Instrument :
BNA_F
ClientSampleId :
B-1(11-13)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.4	17.4	26.2
125	12.8	9.2	13.8

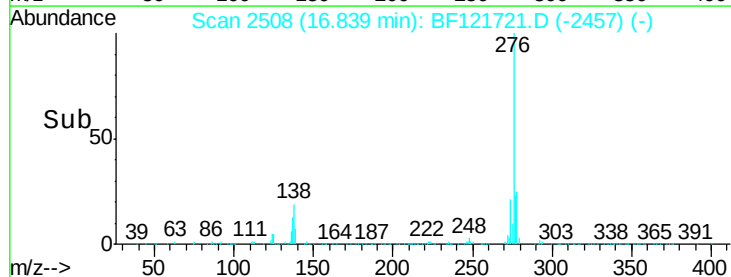
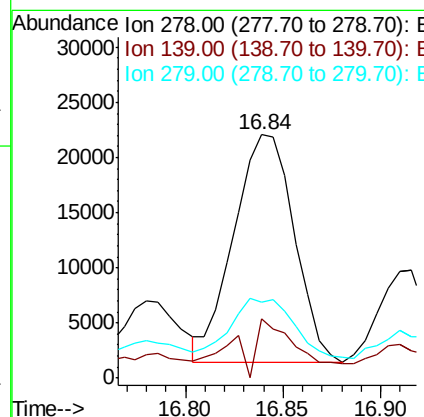
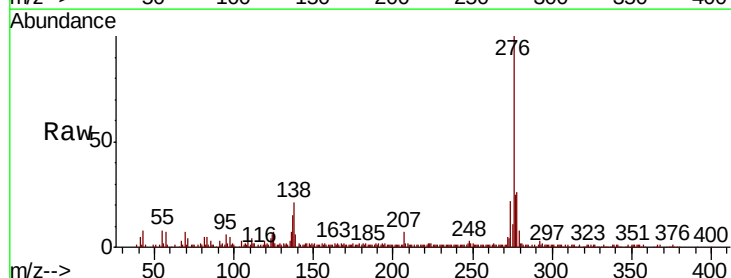
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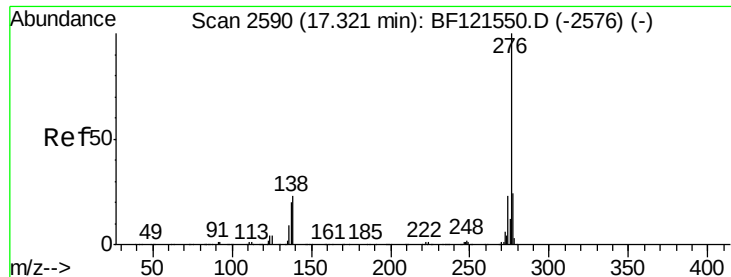
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.369 ng
RT: 16.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: BF121721.D
Acq: 28 Sep 2020 19:45

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	24.4	13.0	19.4#
279	31.4	19.3	28.9#





#92
 Benzo(a,h,i)perylene
 Concen: 7.886 ng
 RT: 17.27 min Scan# 2581
 Delta R.T. 0.01 min
 Lab File: BF121721.D
 Acq: 28 Sep 2020 19:45

Instrument :
 BNA_F
 ClientSampleId :
 B-1(11-13)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
144496	276	100			
	277	26.1		18.8	28.2
	138	23.4		16.6	25.0

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