

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121718.D
 Acq On : 28 Sep 2020 18:13
 Operator : JU/CG
 Sample : L4154-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Sep 29 00:40:43 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	6.79	152	145297	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	559871	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	287083	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	490934	20.00	ng	0.00
76) Chrysene-d12	13.97	240	301925	20.00	ng	0.01
86) Perylene-d12	15.42	264	340462	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	695491	71.14	ng	0.00
7) Phenol-d6	6.43	99	893660	69.67	ng	0.00
23) Nitrobenzene-d5	7.36	82	612839	58.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	219431	61.50	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1028353	54.25	ng	0.00
79) Terphenyl-d14	12.90	244	880245	59.06	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.10	128	167532	5.669	ng	99
37) 2-Methylnaphthalene	8.79	142	55784	2.880	ng	97
38) 1-Methylnaphthalene	8.89	142	51176	2.839	ng	97
49) Acenaphthylene	9.69	152	249811	8.977	ng	98
50) Dimethylphthalate	9.55	163	108690	5.224	ng	98
52) Acenaphthene	9.86	154	219689	12.499	ng	98
55) Dibenzofuran	10.03	168	196547	7.941	ng	98
58) Fluorene	10.38	166	304120	16.067	ng	99
71) Phenanthrene	11.35	178	2787248	104.203	ng	98
72) Anthracene	11.40	178	908702	32.921	ng	99
73) Carbazole	11.55	167	376626	15.120	ng	99
75) Fluoranthene	12.55	202	3574645	125.192	ng	98
78) Pyrene	12.77	202	3081840	139.705	ng	98
81) Benzo(a)anthracene	13.96	228	1715392	89.805	ng	97
83) Chrysene	13.99	228	1482218m	76.630	ng	
87) Indeno(1,2,3-cd)pyrene	16.86	276	941008	42.441	ng	96
88) Benzo(b)fluoranthene	15.00	252	2133718m	93.748	ng	
89) Benzo(k)fluoranthene	15.03	252	482054m	23.128	ng	
90) Benzo(a)pyrene	15.36	252	1481633	76.582	ng	97
91) Dibenz(a,h)anthracene	16.86	278	249314	13.508	ng	97
92) Benzo(g,h,i)perylene	17.29	276	826255	45.543	ng	98

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

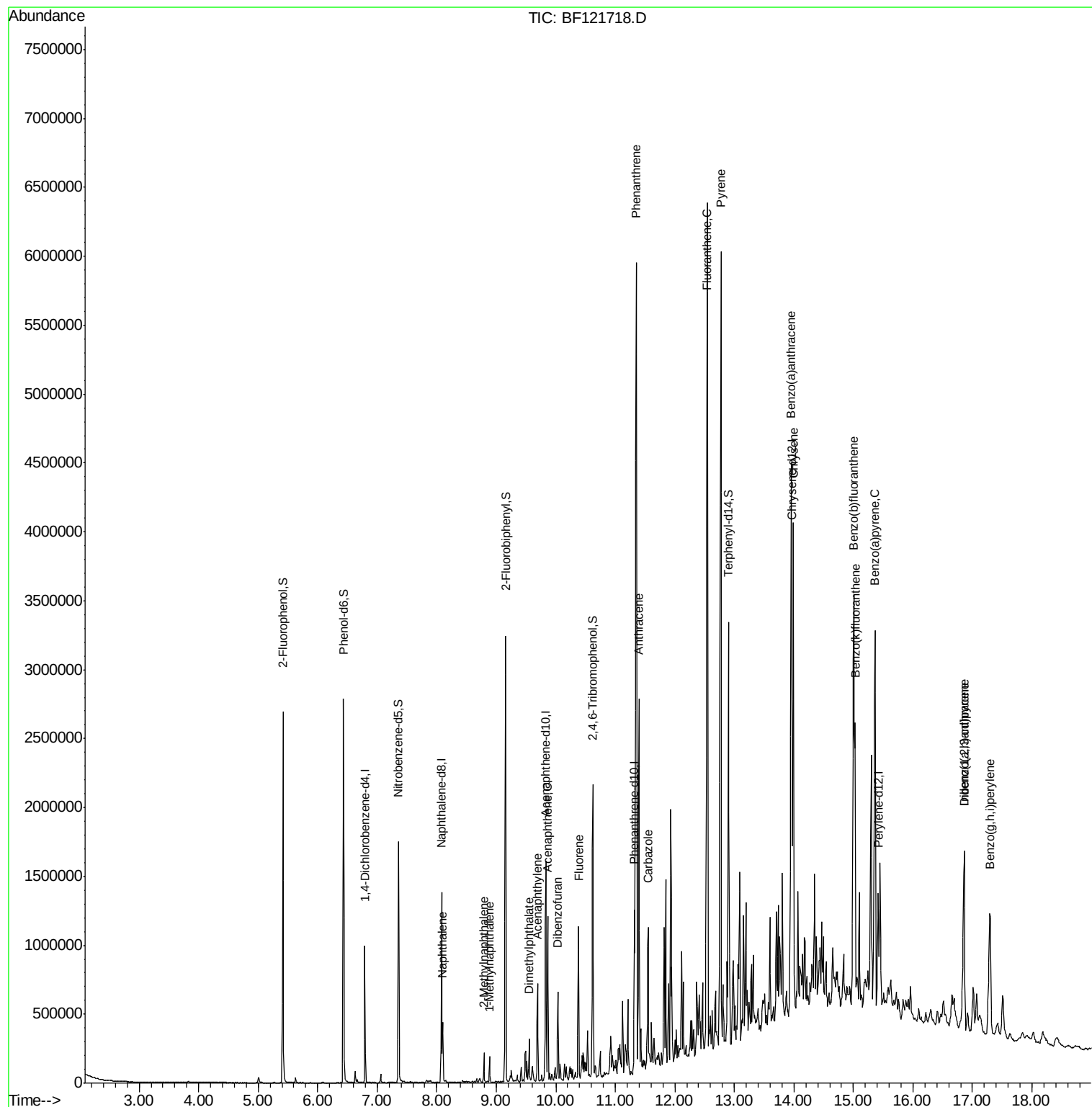
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121718.D
Acq On : 28 Sep 2020 18:13
Operator : JU/CG
Sample : L4154-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

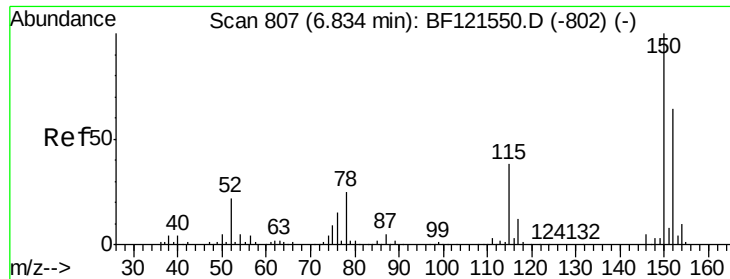
Instrument :
BNA_F
ClientSampled :
B-5(5-7)

Manual Integrations
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Quant Time: Sep 29 00:40:43 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





#1

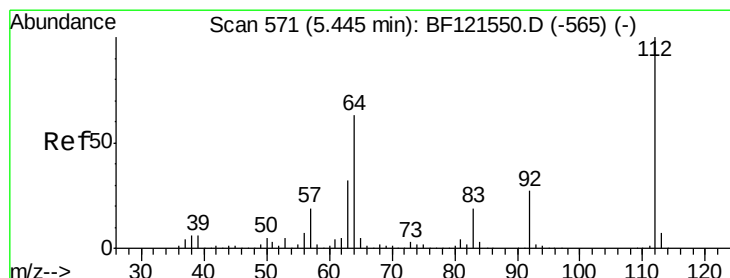
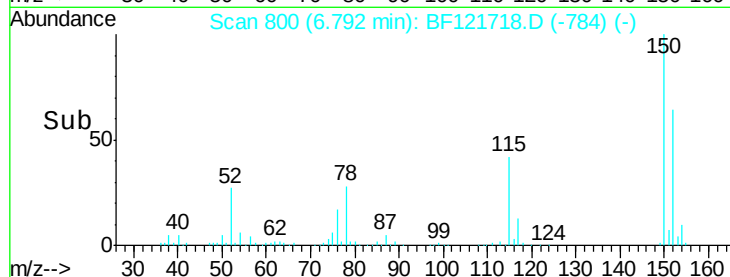
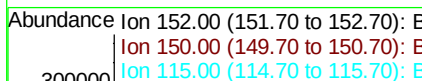
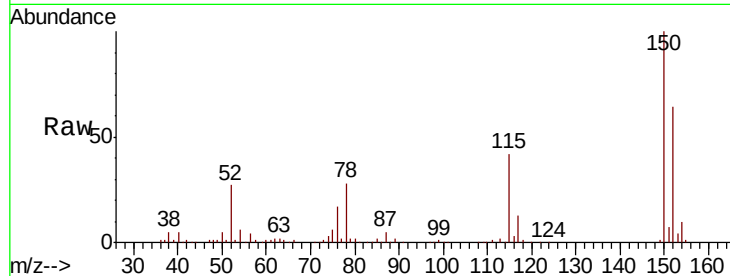
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.6	184.0
115	65.1	47.1	70.7

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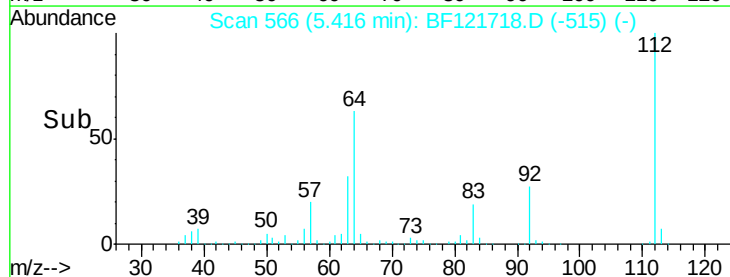
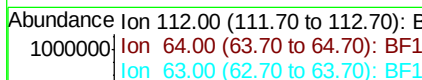
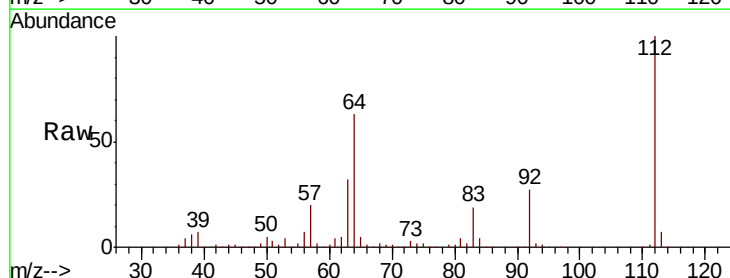
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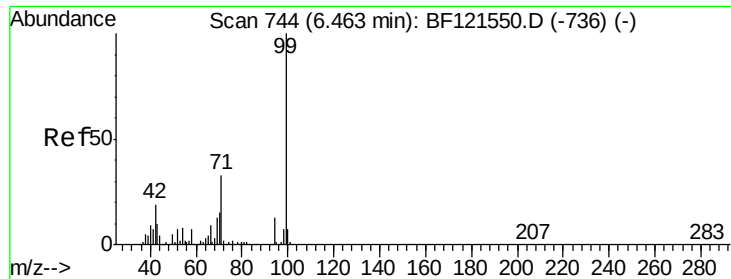


#5

2-Fluorophenol
Concen: 71.136 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	49.5	74.3
63	32.1	25.4	38.0





#7

Phenol-d6

Concen: 69.672 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121718.D

Acq: 28 Sep 2020 18:13

Instrument :

BNA_F

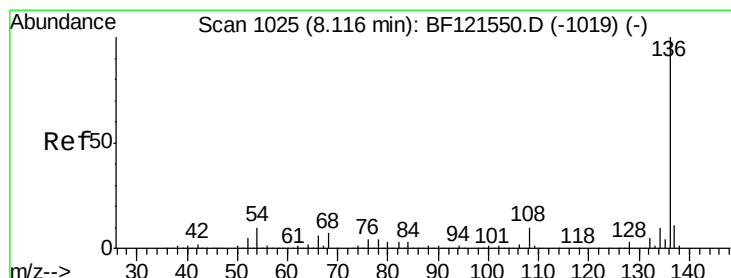
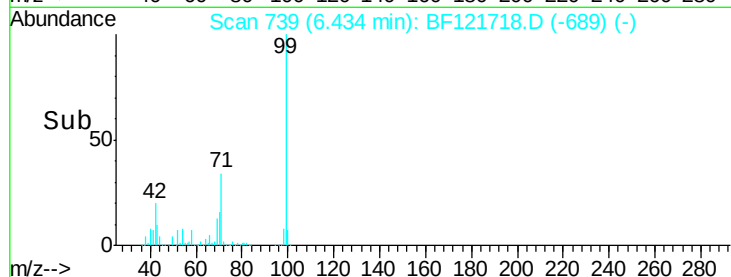
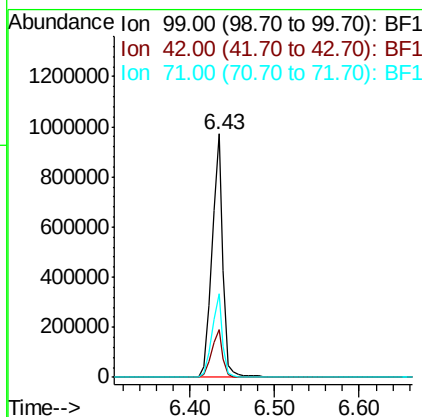
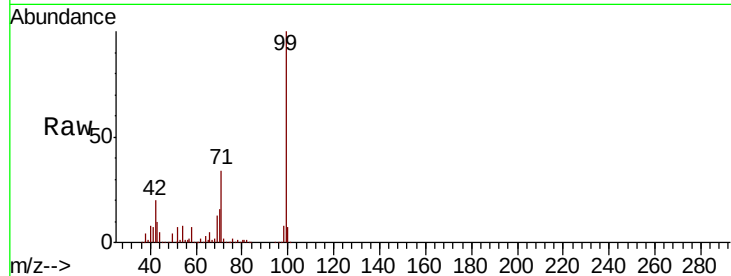
ClientSampleId :

B-5(5-7)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		893660		
42	19.8	16.1	24.1		
71	34.4	27.6	41.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

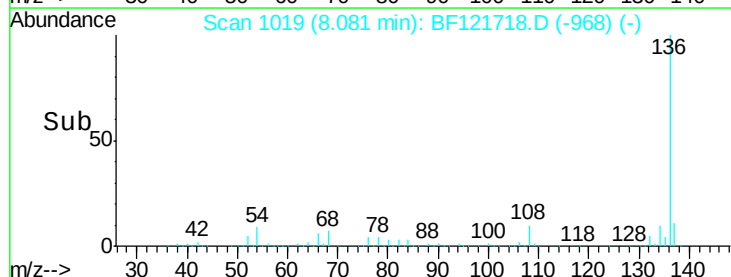
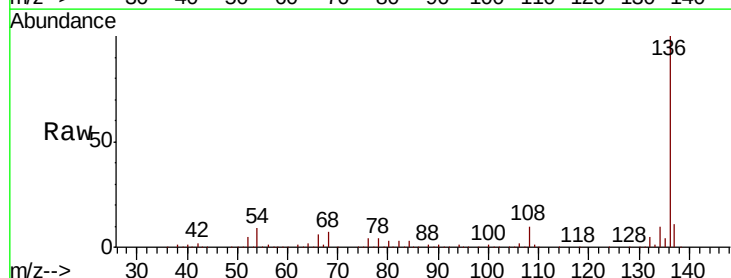
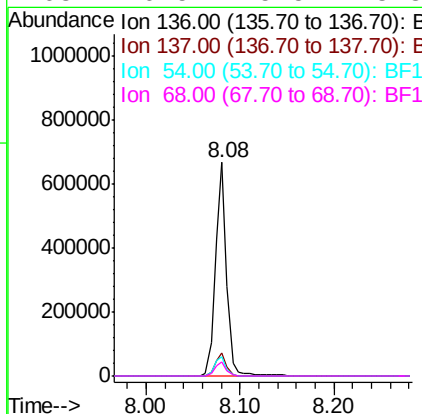
RT: 8.08 min Scan# 1019

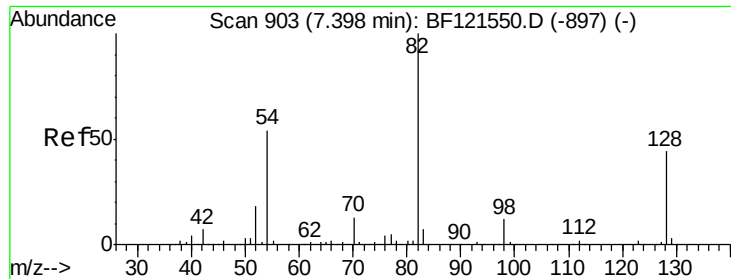
Delta R.T. 0.00 min

Lab File: BF121718.D

Acq: 28 Sep 2020 18:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		559871		
137	11.1	8.8	13.2		
54	9.1	7.5	11.3		
68	6.5	5.5	8.3		





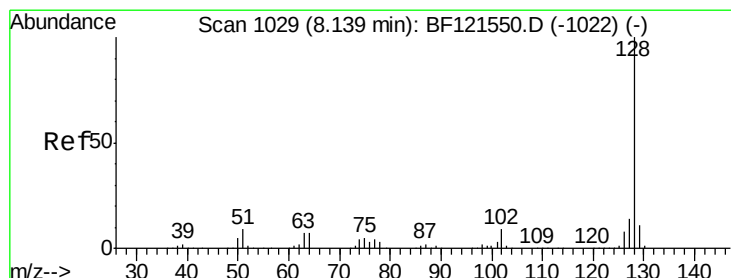
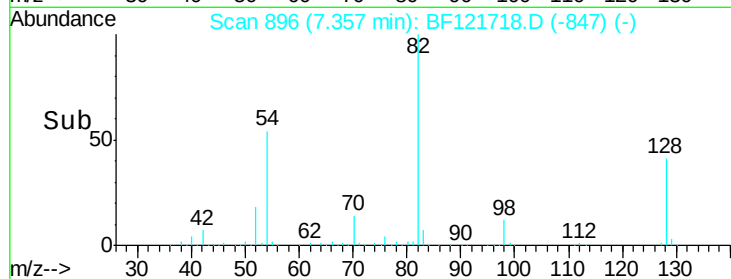
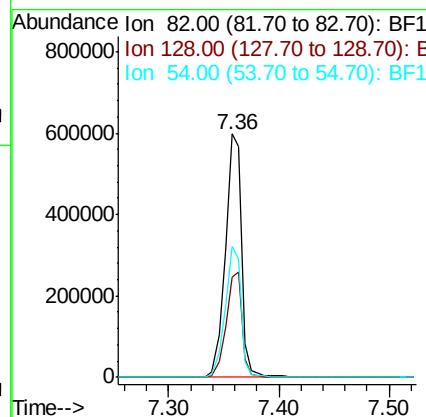
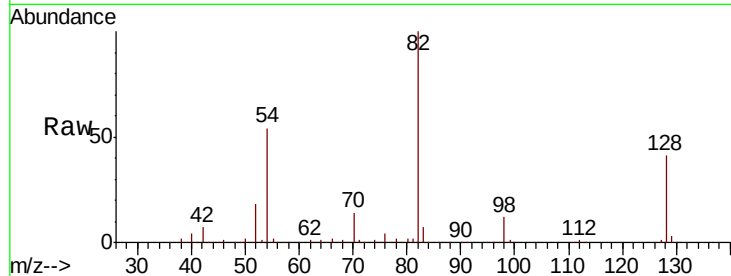
#23
 Nitrobenzene-d5
 Concen: 58.771 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF121718.D
 Acq: 28 Sep 2020 18:13

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.1	35.8	53.6	
54	54.0	42.6	63.8	

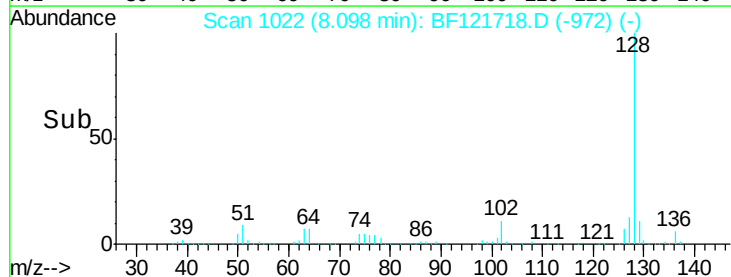
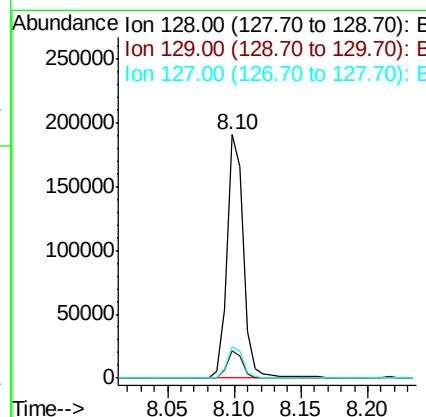
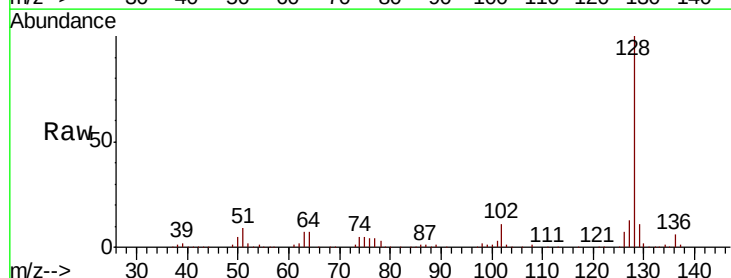
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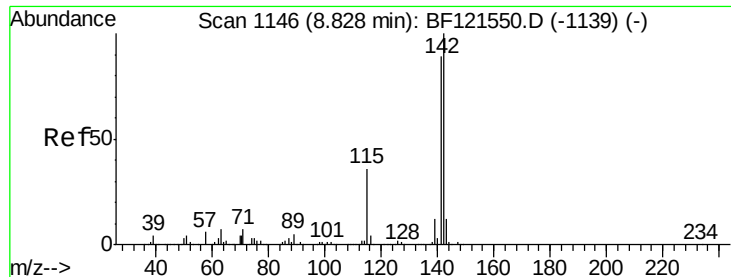
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#31
 Naphthalene
 Concen: 5.669 ng
 RT: 8.10 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BF121718.D
 Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	9.1	13.7	
127	13.0	10.8	16.2	





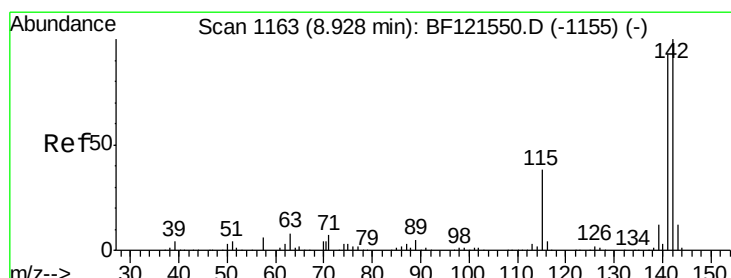
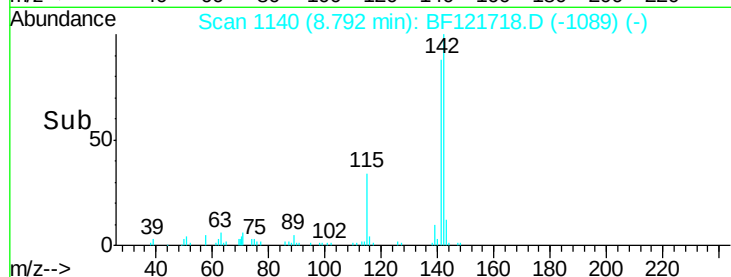
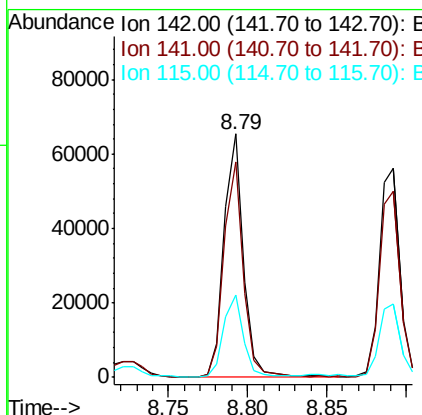
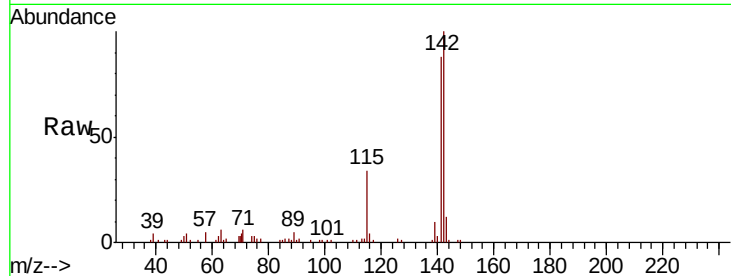
#37
2-Methylnaphthalene
Concen: 2.880 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.9	107.9
115	33.9	29.9	44.9

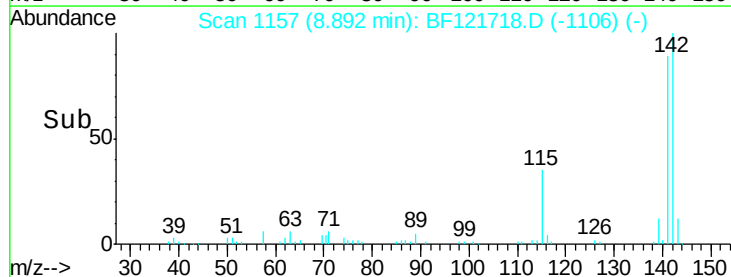
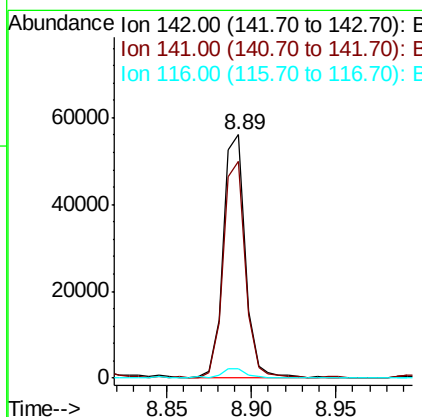
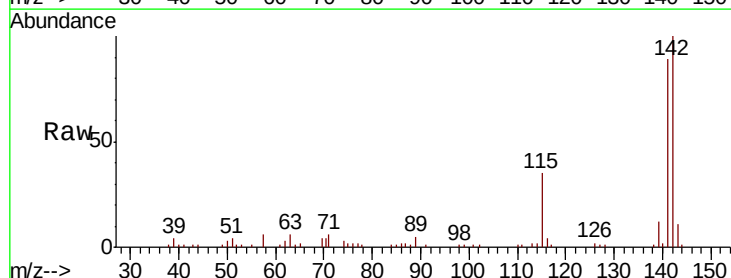
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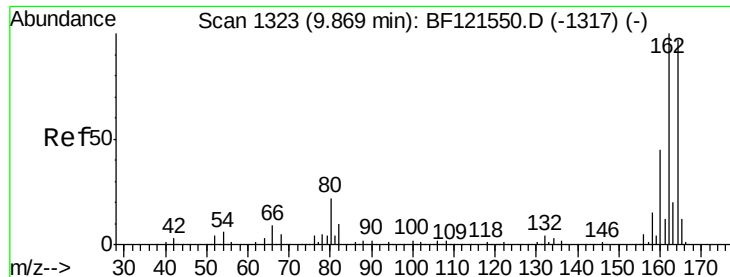
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#38
1-Methylnaphthalene
Concen: 2.839 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	73.8	110.8
116	4.1	3.2	4.8





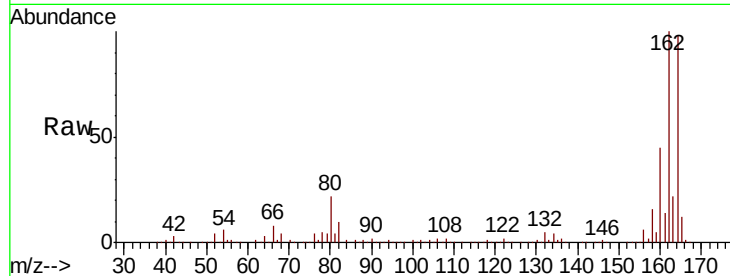
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF121718.D
 Acq: 28 Sep 2020 18:13

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

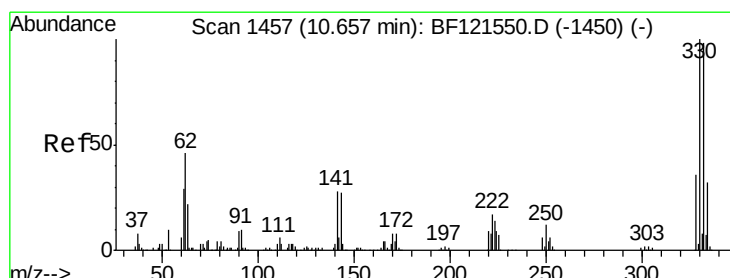
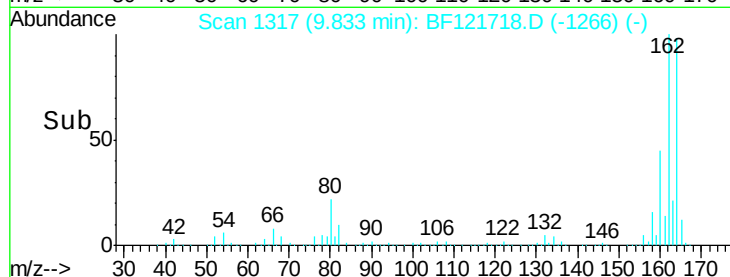
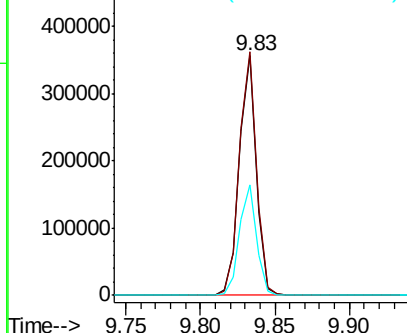
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.1	123.1
160	46.0	36.8	55.2

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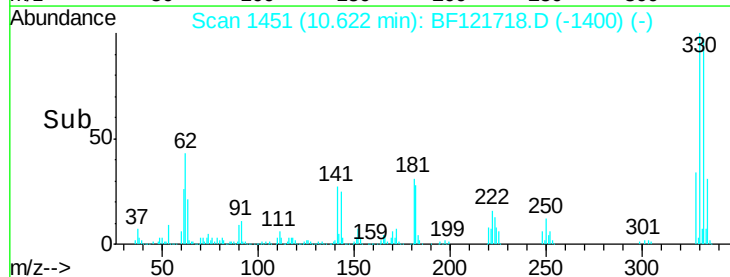
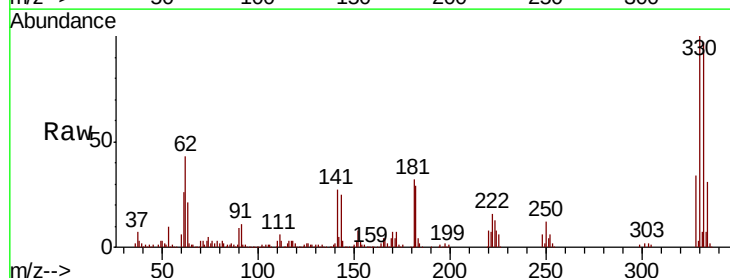
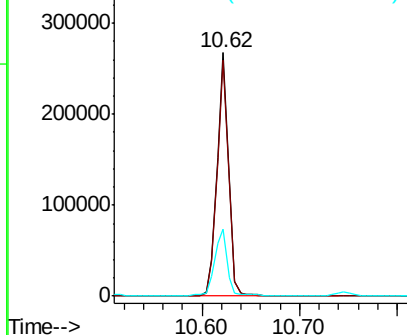
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

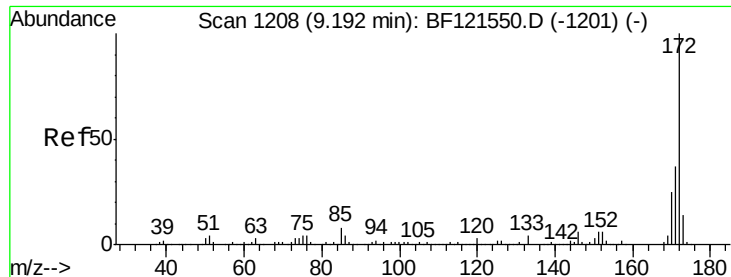


#42
 2,4,6-Tribromophenol
 Concen: 61.499 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF121718.D
 Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.0	114.0
141	30.0	22.2	33.4

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





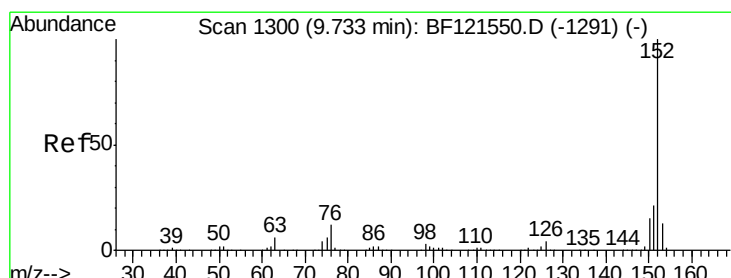
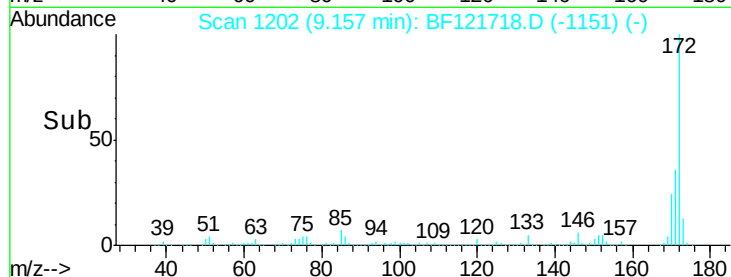
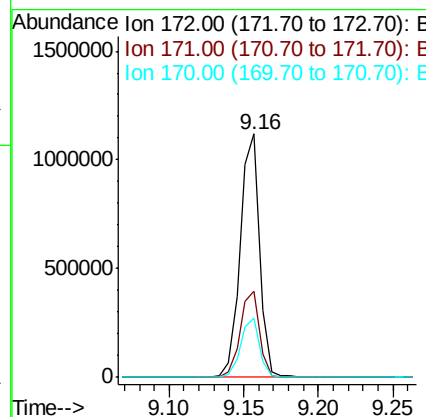
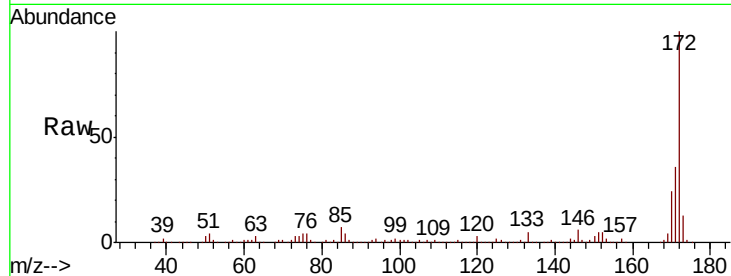
#45
2-Fluorobiphenyl
Concen: 54.252 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	24.1	19.5	29.3

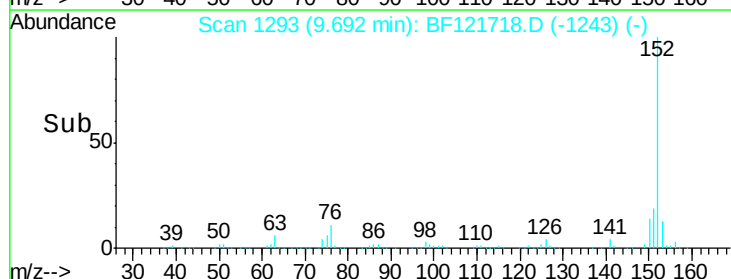
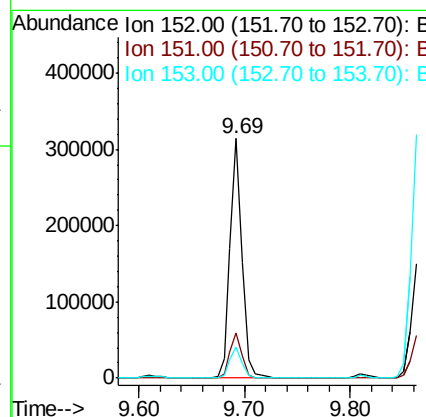
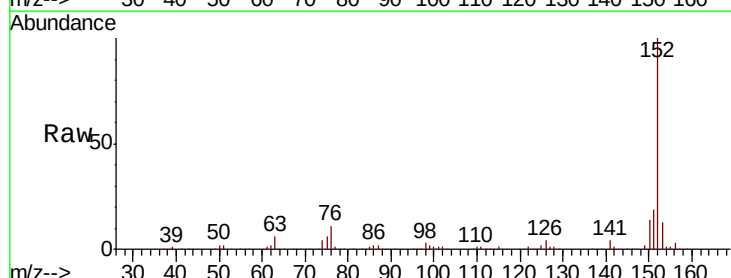
Manual Integrations
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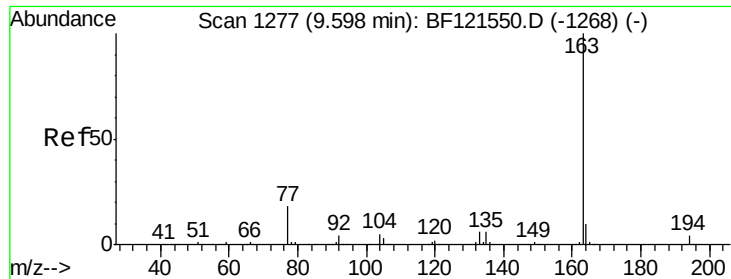
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#49
Acenaphthylene
Concen: 8.977 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.5	24.7
153	13.2	10.6	16.0





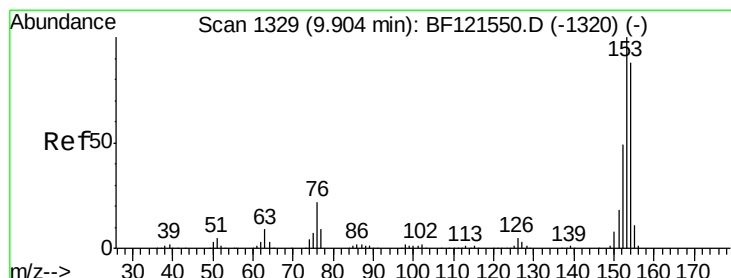
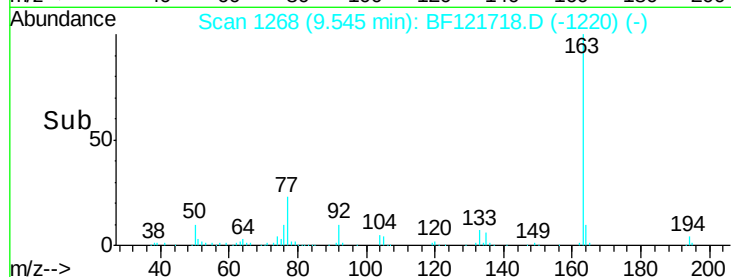
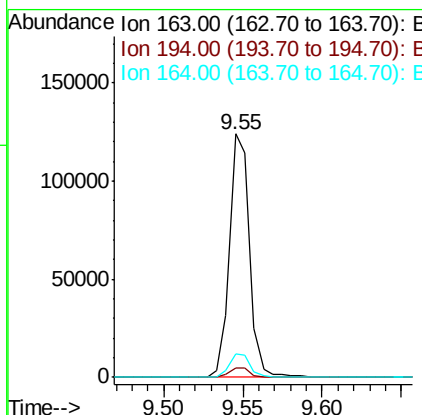
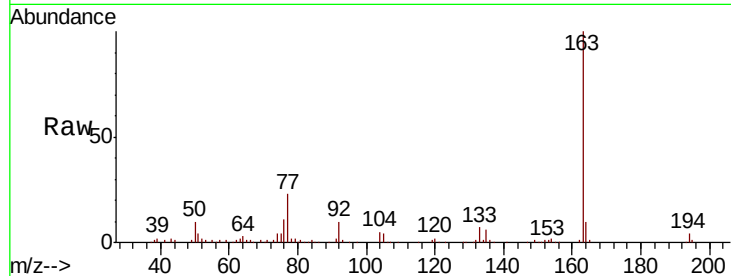
#50
Dimethylphthalate
Concen: 5.224 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	108690		
194	3.7		3.4	5.0
164	9.6		8.2	12.2

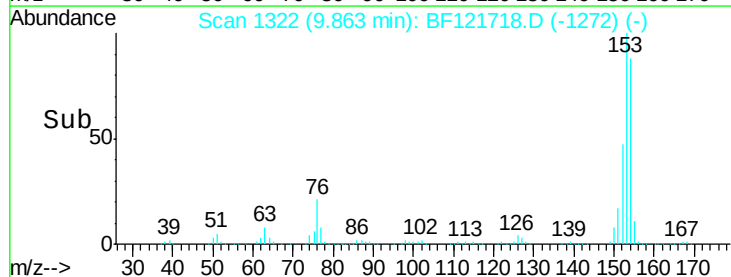
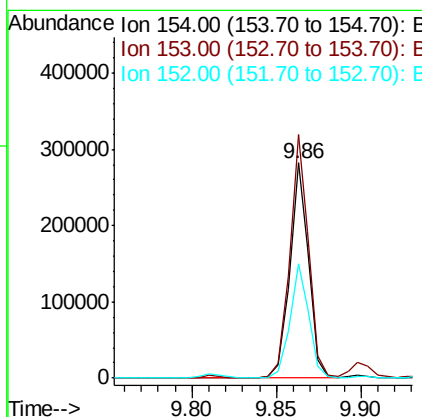
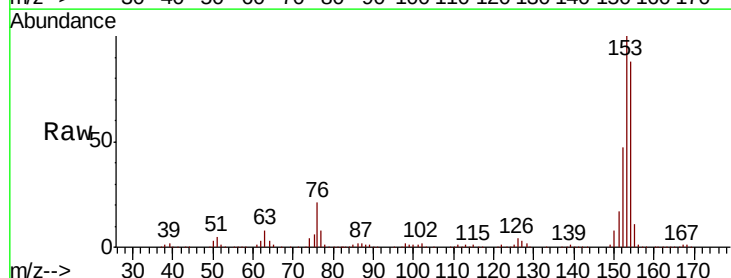
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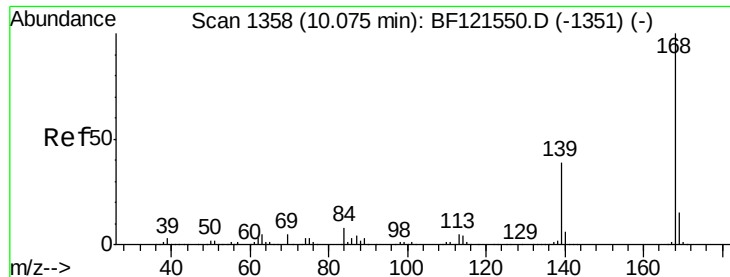
mohammad
9/29/2020 3:24:56 PM



#52
Acenaphthene
Concen: 12.499 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	219689		
153	113.1		91.7	137.5
152	53.4		44.0	66.0





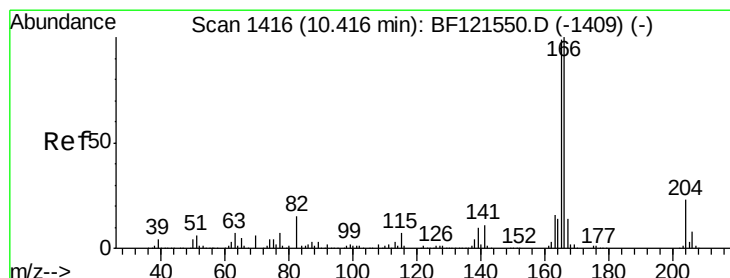
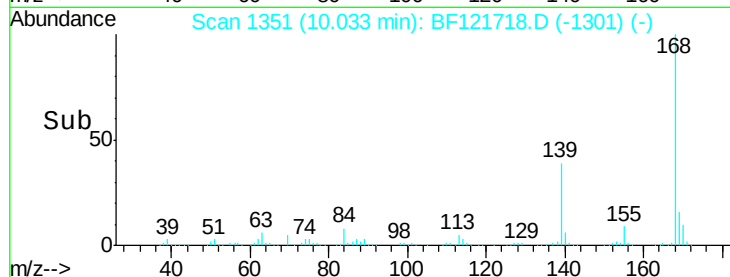
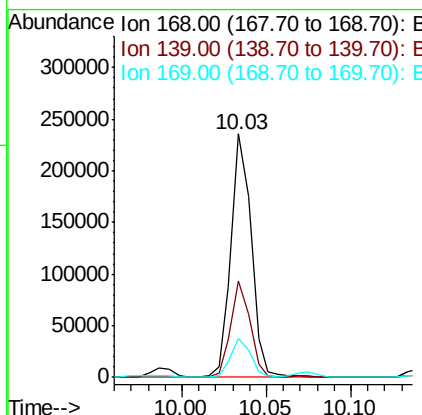
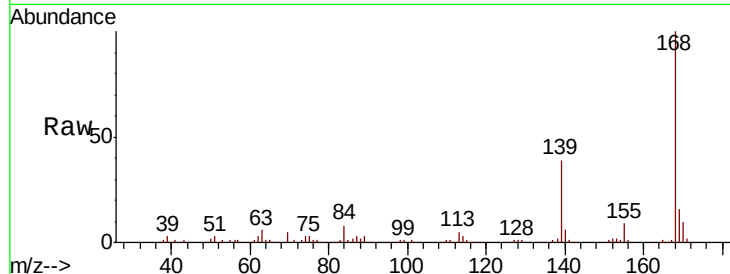
#55
Dibenzenofuran
Concen: 7.941 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.4	32.6	49.0
169	15.8	11.7	17.5

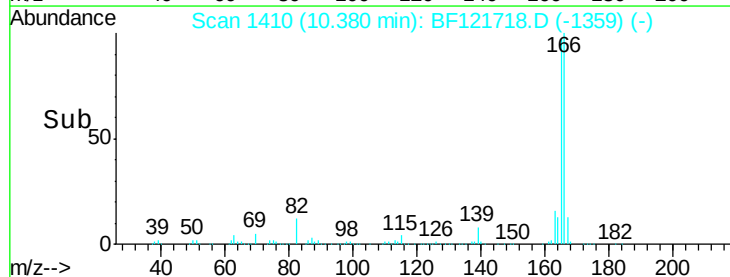
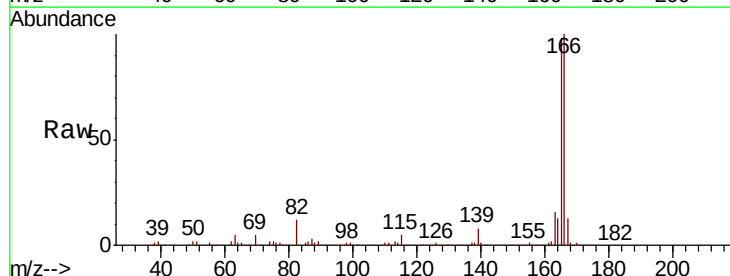
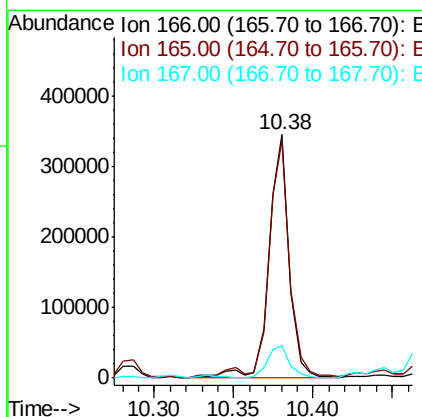
Manual Integrations
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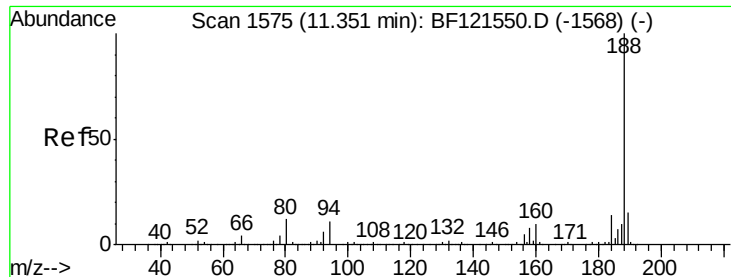
mohammad
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#58
Fluorene
Concen: 16.067 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	13.4	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: BF121718.D

Acq: 28 Sep 2020 18:13

Instrument :

BNA_F

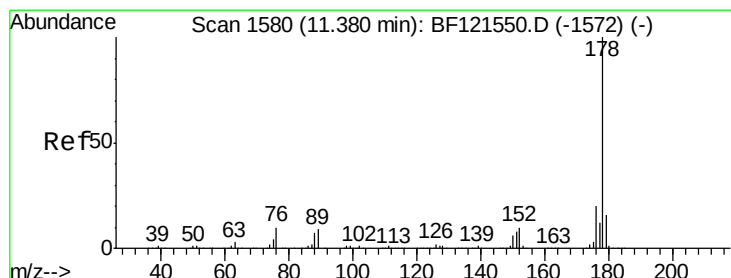
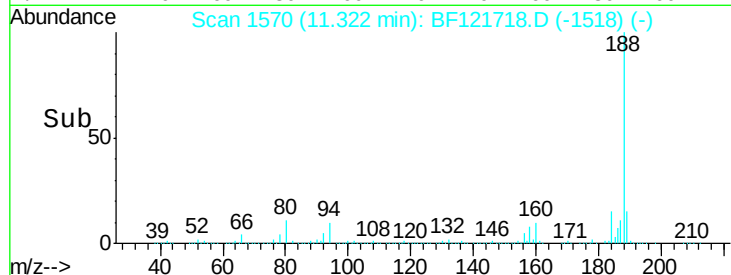
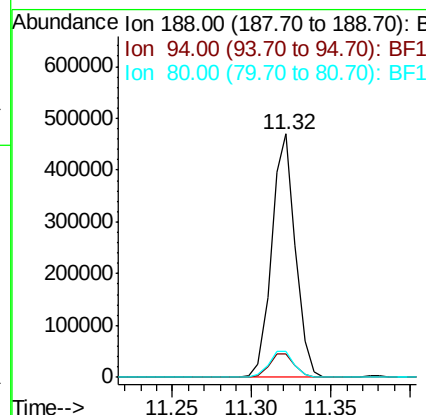
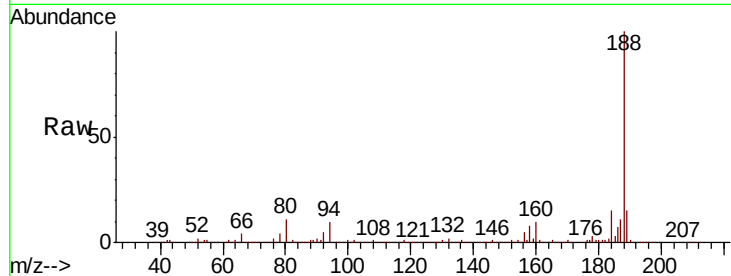
ClientSampled :

B-5(5-7)

Tot Ion:	188	Resp:	490934
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.4	12.6
80	10.8	9.3	13.9

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#71

Phenanthrene

Concen: 104.203 ng

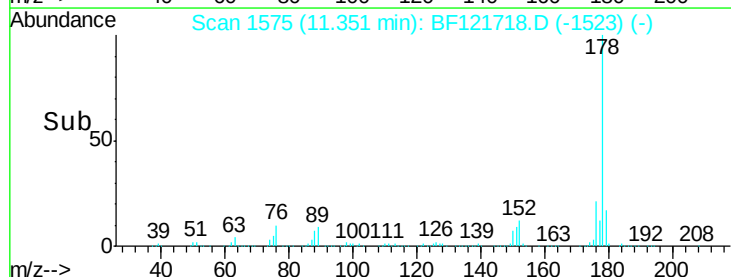
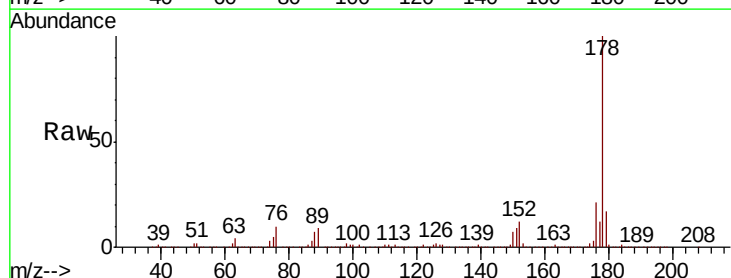
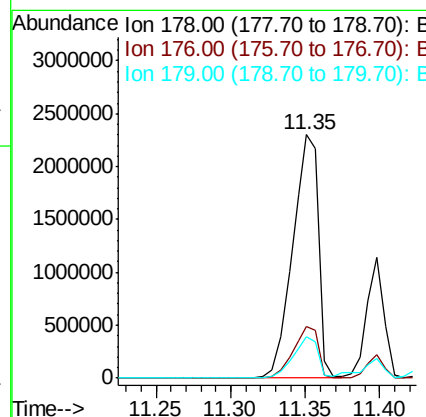
RT: 11.35 min Scan# 1575

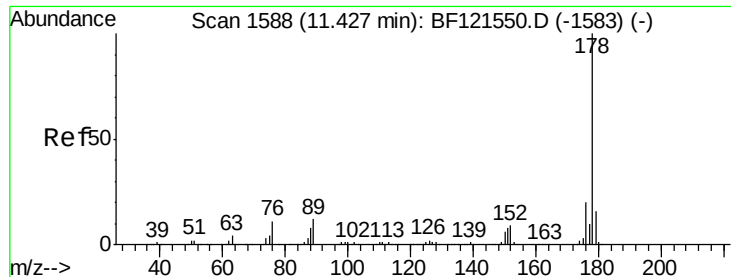
Delta R.T. 0.01 min

Lab File: BF121718.D

Acq: 28 Sep 2020 18:13

Tgt Ion:	178	Resp:	2787248
Ion Ratio	Lower	Upper	
178	100		
176	21.0	16.2	24.4
179	17.0	12.5	18.7





#72

Anthracene

Concen: 32.921 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF121718.D

Acq: 28 Sep 2020 18:13

Instrument :

BNA_F

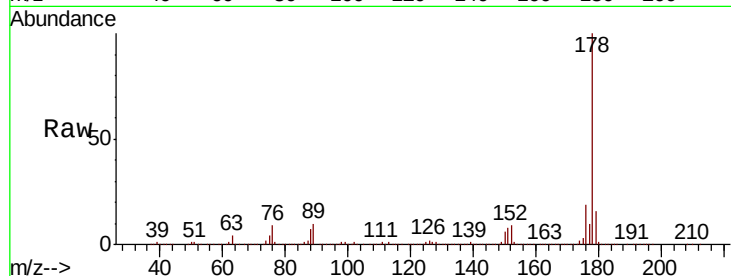
ClientSampleId :

B-5(5-7)

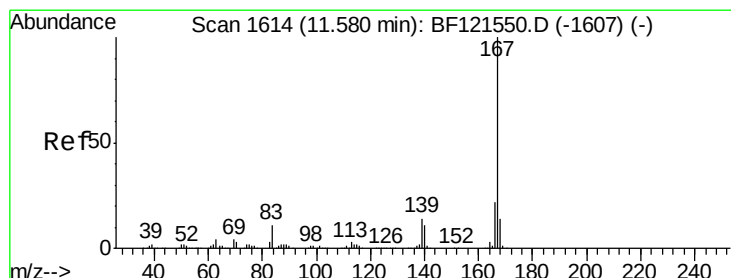
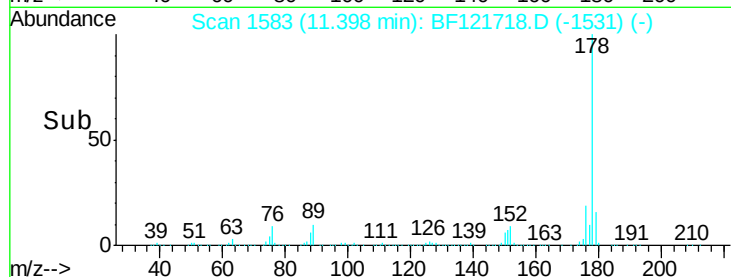
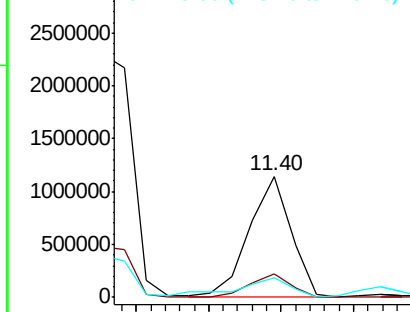
Tot Ion:178	Resp:	908702
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.6 23.4
179	15.9	12.7 19.1

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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: 15.120 ng

RT: 11.55 min Scan# 1609

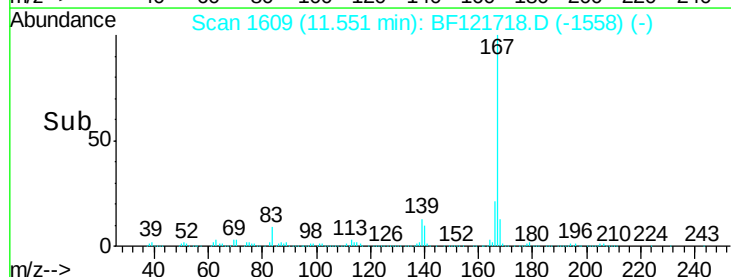
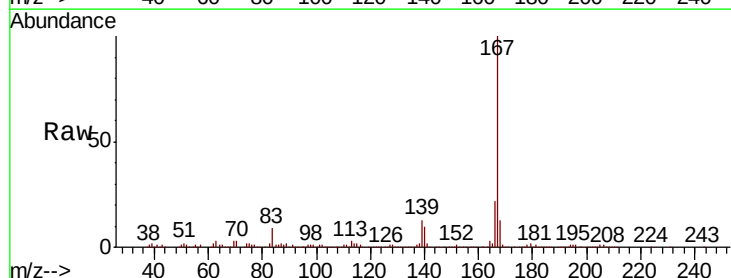
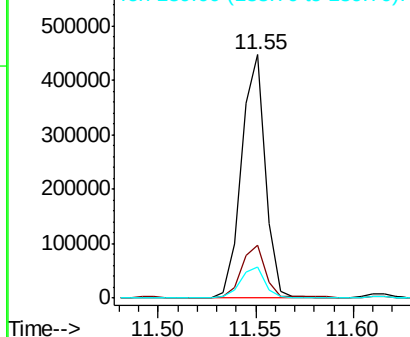
Delta R.T. 0.00 min

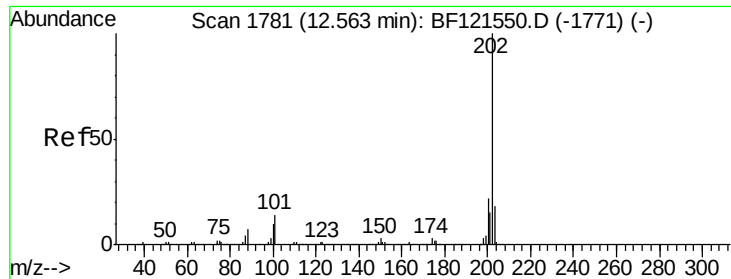
Lab File: BF121718.D

Acq: 28 Sep 2020 18:13

Tgt Ion:167	Resp:	376626
Ion Ratio	Lower	Upper
167	100	
166	21.6	17.6 26.4
139	12.9	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: 125.192 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.02 min

Lab File: BF121718.D

Acq: 28 Sep 2020 18:13

Instrument :

BNA_F

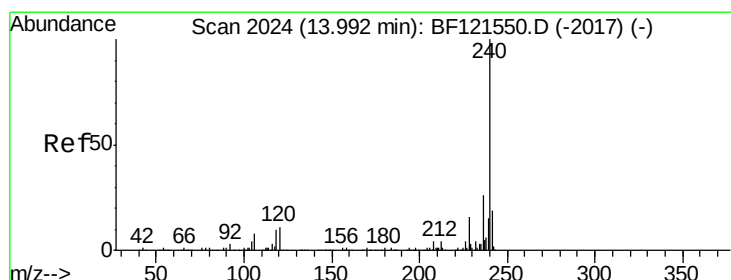
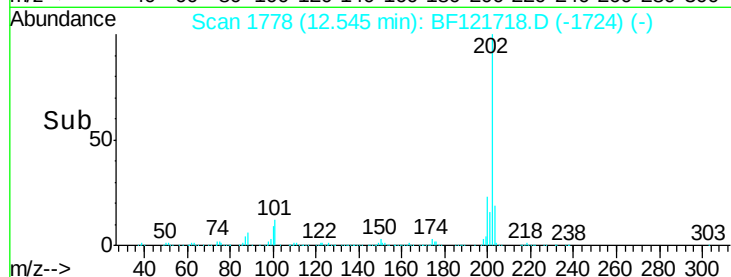
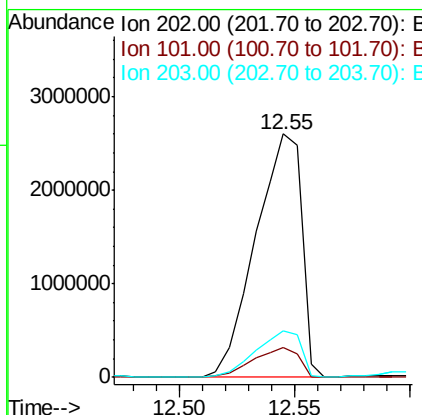
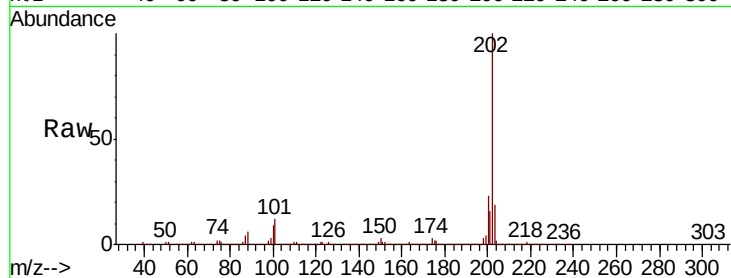
ClientSampleId :

B-5(5-7)

Tot Ion:	202	Resp:	3574645
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	33.7
203	18.9	0.0	38.5

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#76

Chrysene-d12

Concen: 20.000 ng

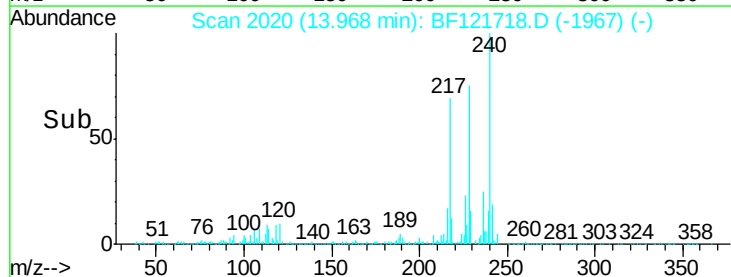
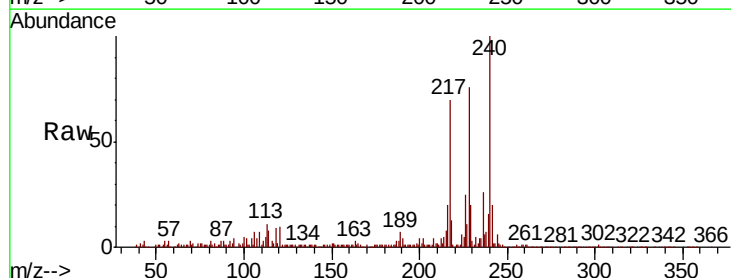
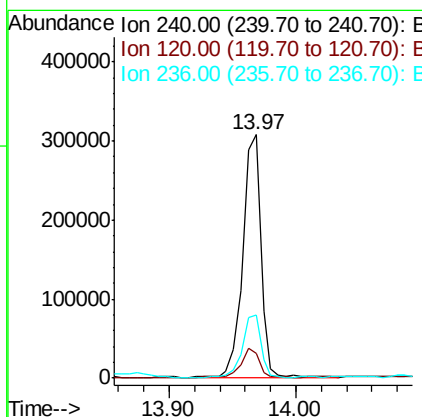
RT: 13.97 min Scan# 2020

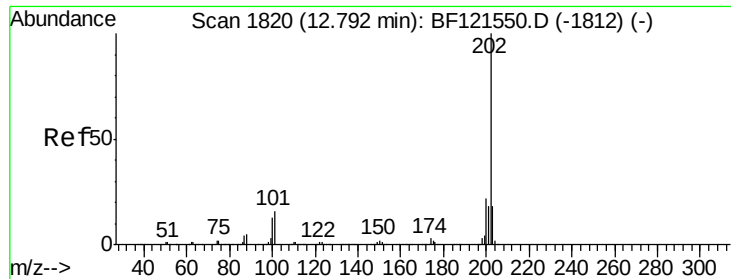
Delta R.T. 0.01 min

Lab File: BF121718.D

Acq: 28 Sep 2020 18:13

Tgt Ion:	240	Resp:	301925
Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.1	13.7
236	25.7	20.6	30.8





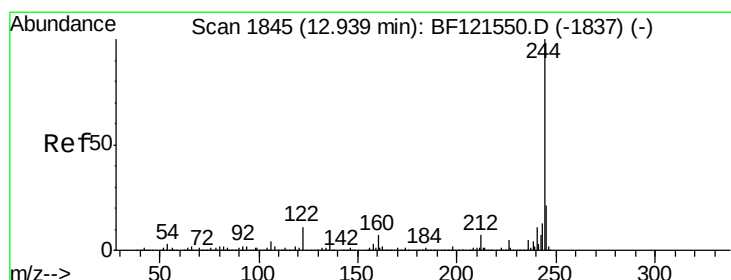
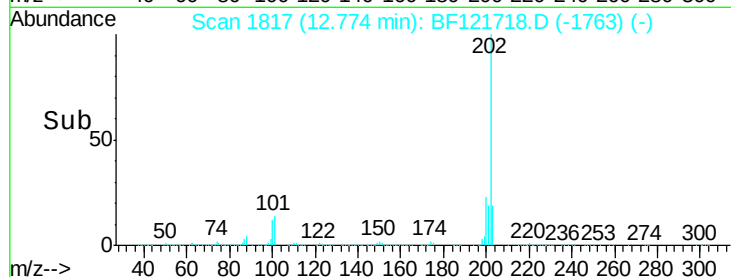
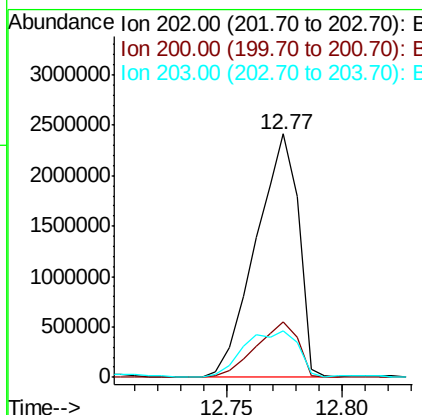
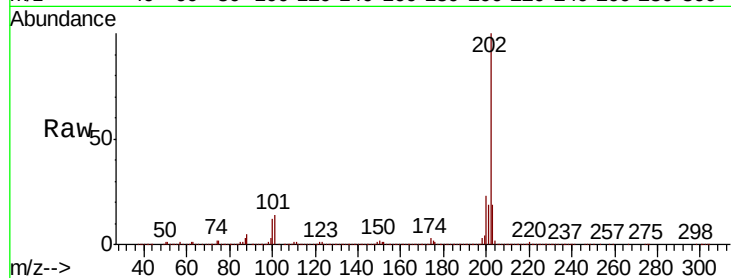
#78
Pvrene
Concen: 139.705 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.02 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.0	17.8	26.8
203	19.3	14.3	21.5

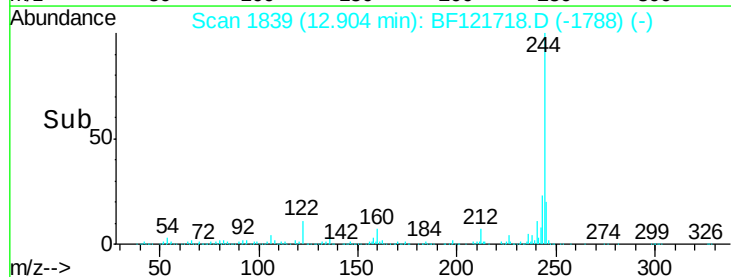
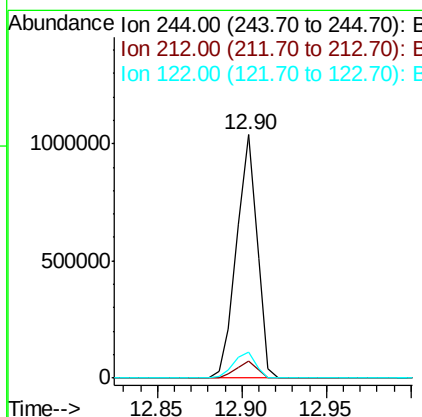
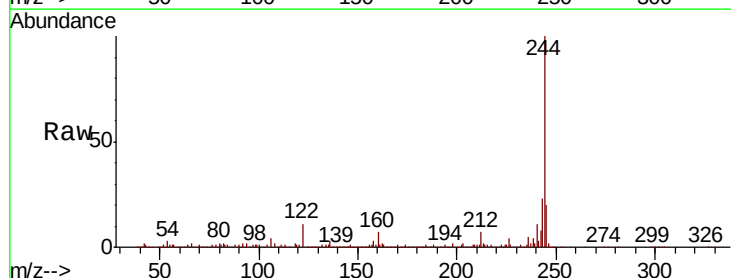
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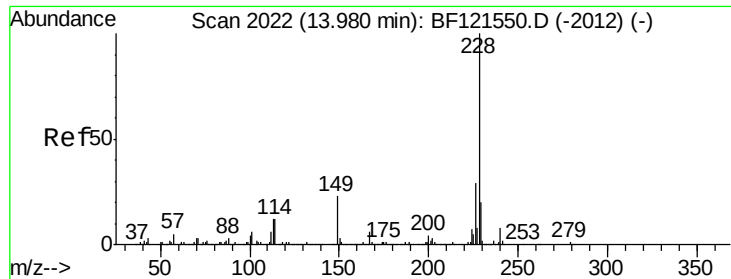
mohammad
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#79
Terphenyl-d14
Concen: 59.064 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.9	8.0	12.0





#81

Benzo(a)anthracene

Concen: 89.805 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF121718.D

Acq: 28 Sep 2020 18:13

Instrument :

BNA_F

ClientSampleId :

B-5(5-7)

Tot Ion:228 Resp: 1715392

Ion Ratio Lower Upper

228 100

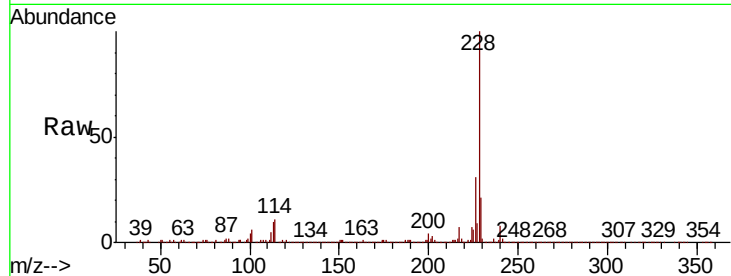
226 30.6 22.5 33.7

229 21.0 16.2 24.4

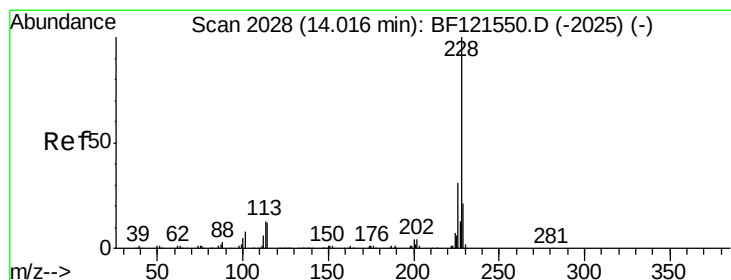
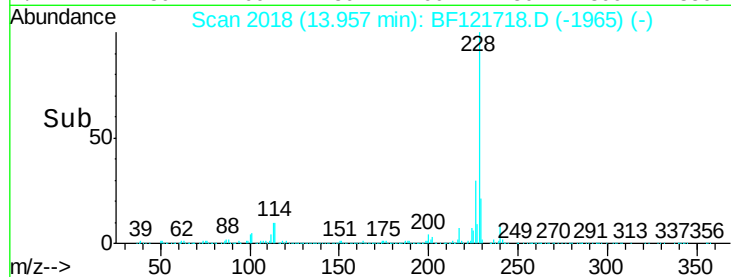
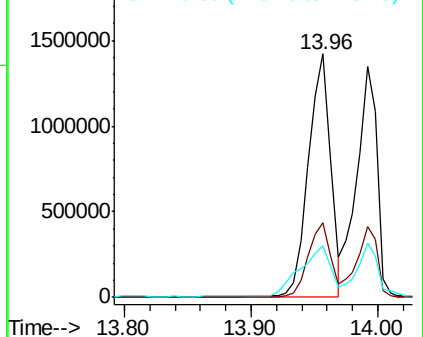
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 76.630 ng m

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF121718.D

Acq: 28 Sep 2020 18:13

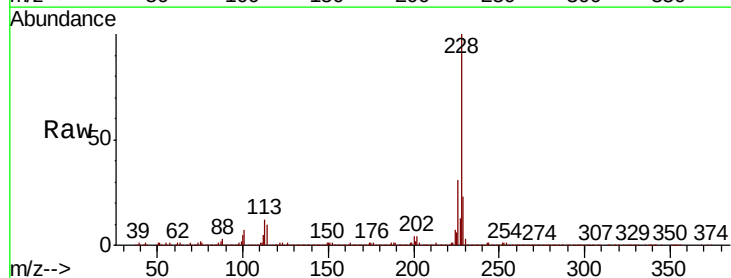
Tgt Ion:228 Resp: 1482218

Ion Ratio Lower Upper

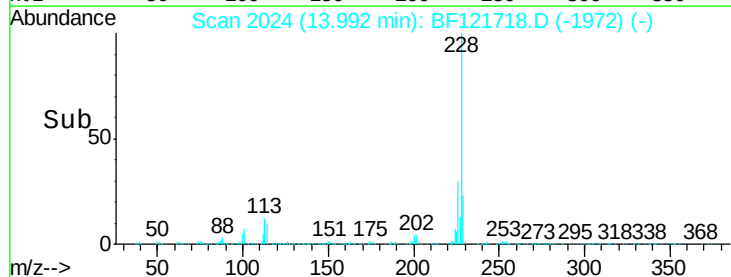
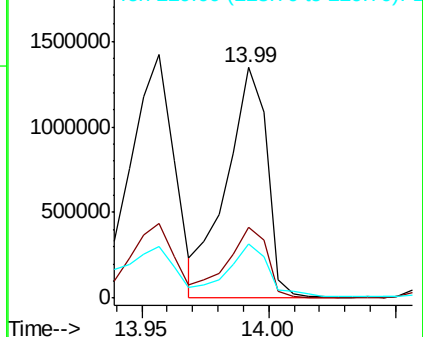
228 100

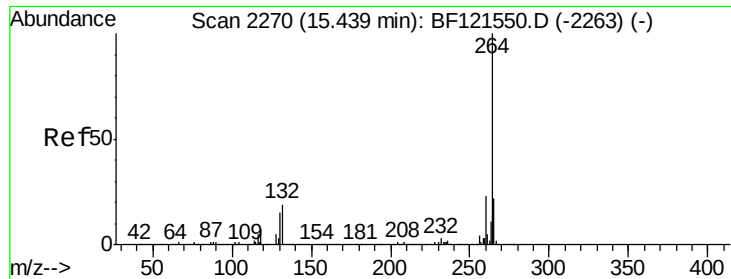
226 30.7 25.0 37.4

229 23.3 16.0 24.0



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





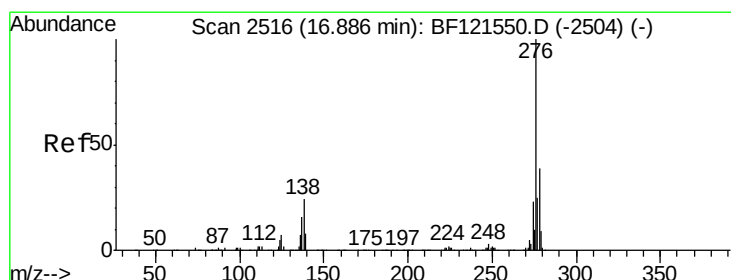
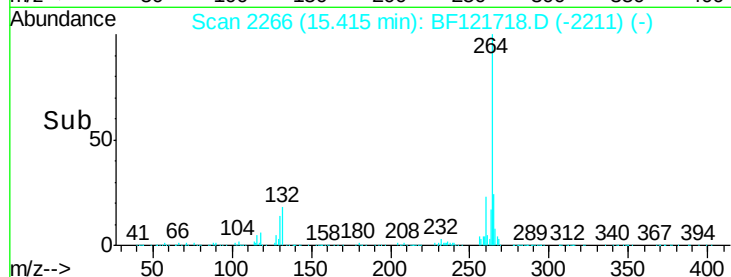
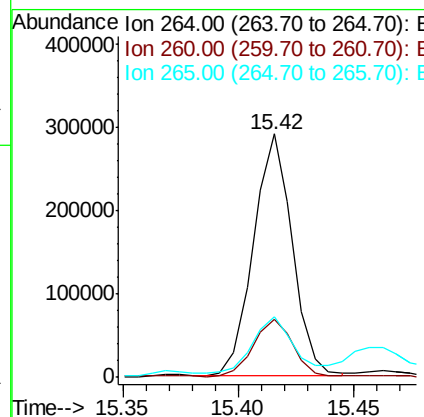
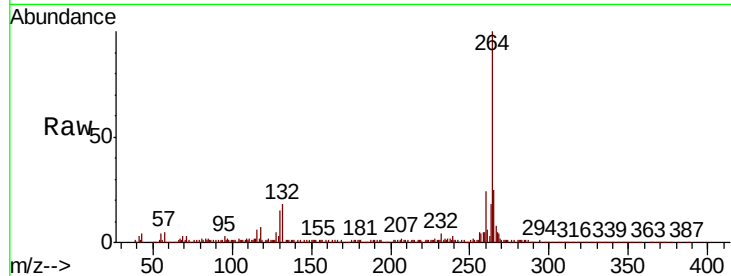
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.02 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	24.8	17.2	25.8

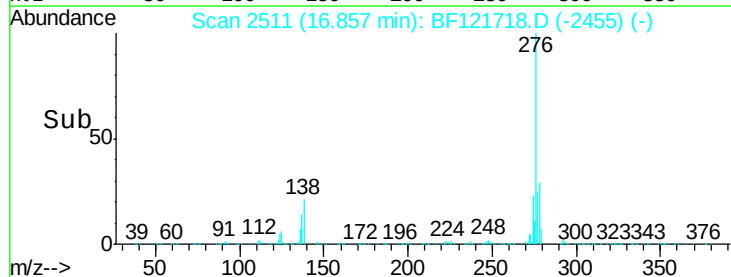
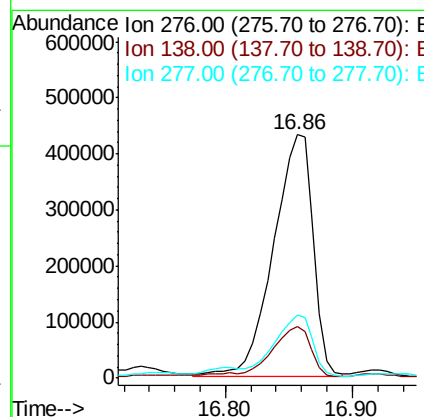
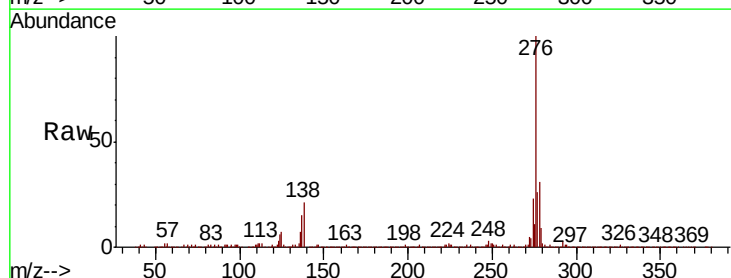
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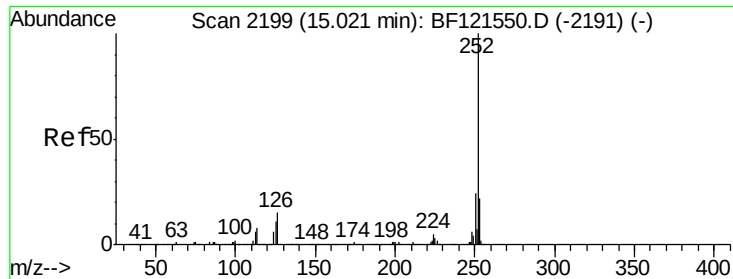
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 42.441 ng
RT: 16.86 min Scan# 2511
Delta R.T. 0.03 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.5	29.3
277	24.8	20.2	30.4





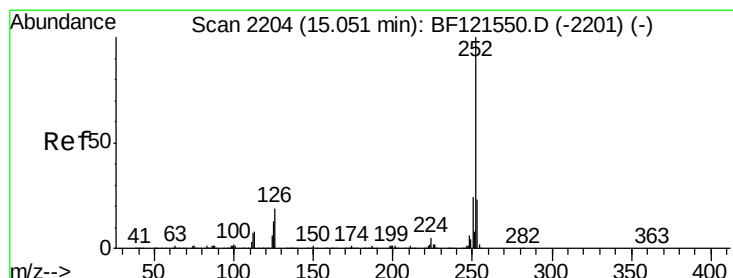
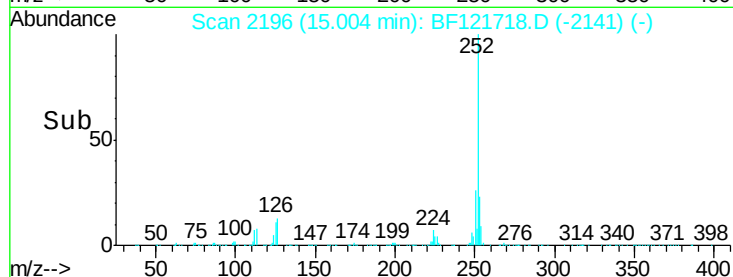
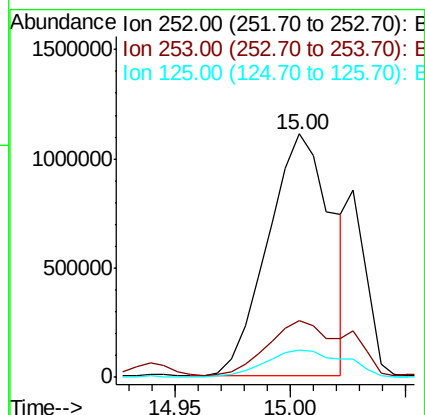
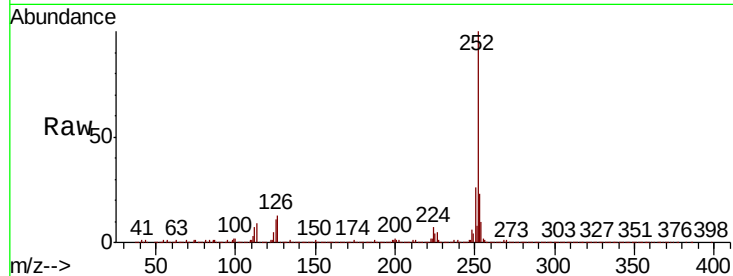
#88
Benzo(b)fluoranthene
Concen: 93.748 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.02 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	11.2	8.6	13.0

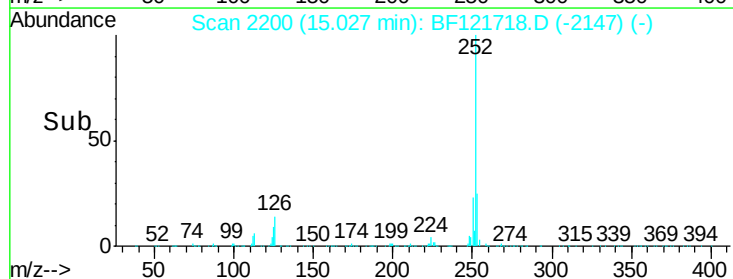
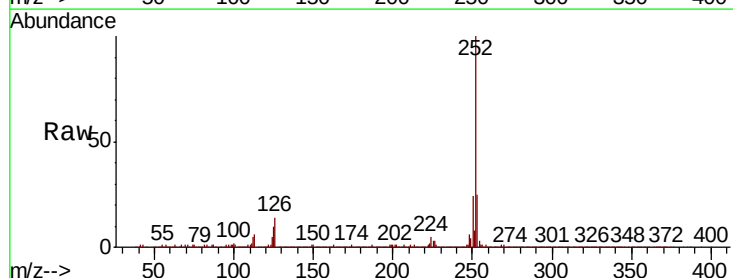
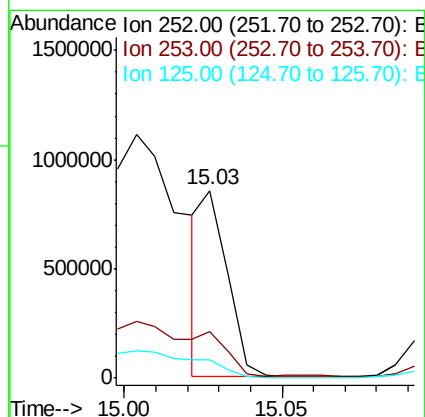
Manual Integrations
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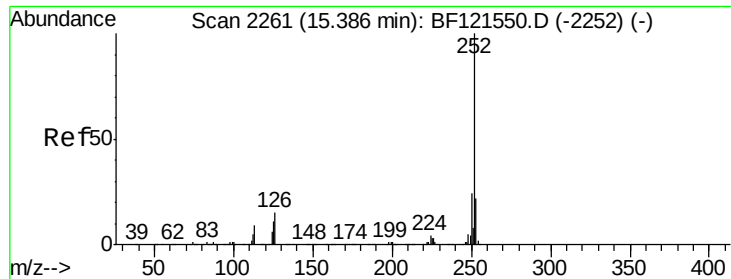
mohammad
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#89
Benzo(k)fluoranthene
Concen: 23.128 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.6	26.4
125	9.9	7.1	10.7





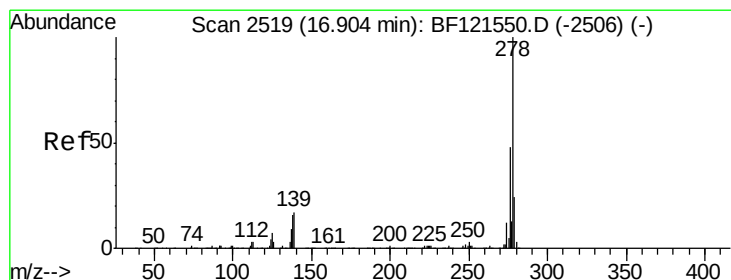
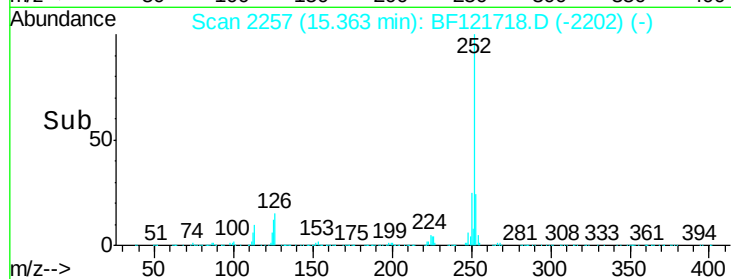
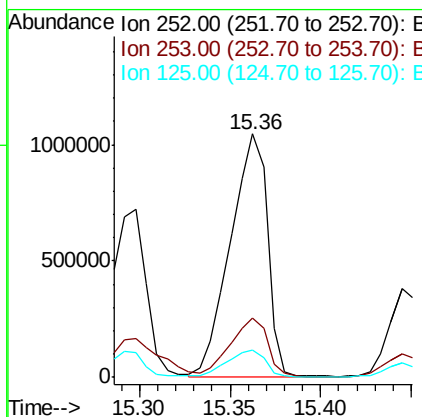
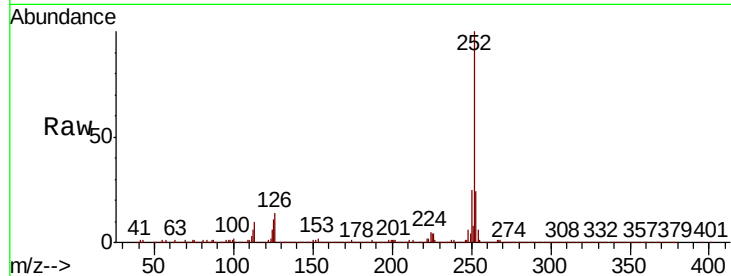
#90
Benzo(a)pyrene
Concen: 76.582 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	11.5	9.2	13.8

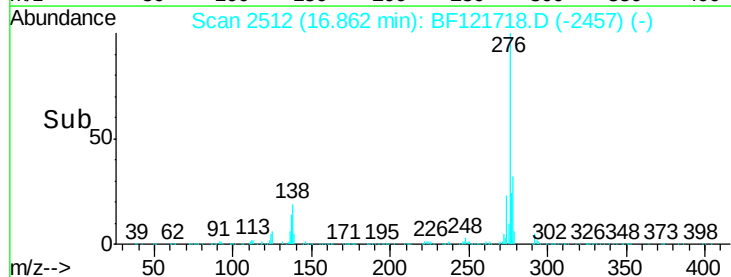
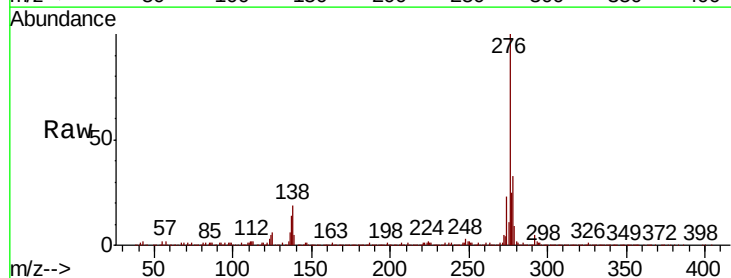
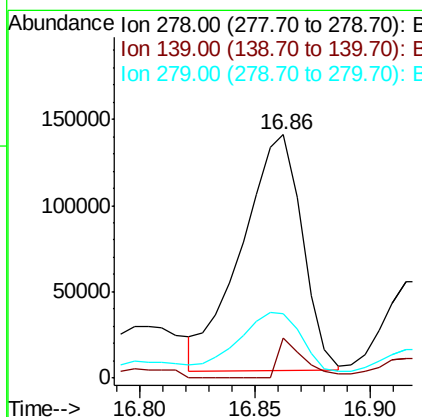
Manual Integrations
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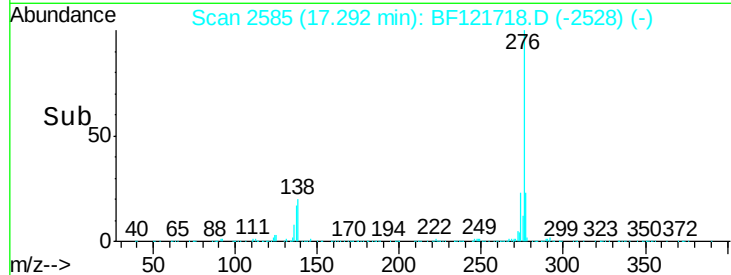
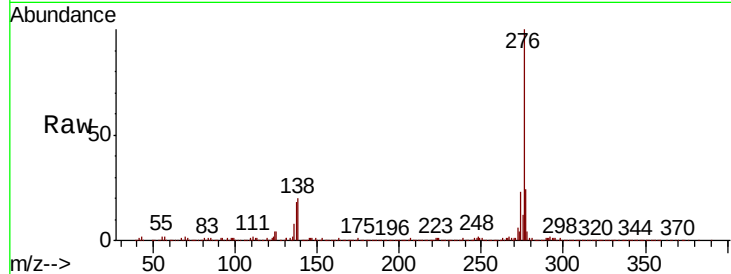
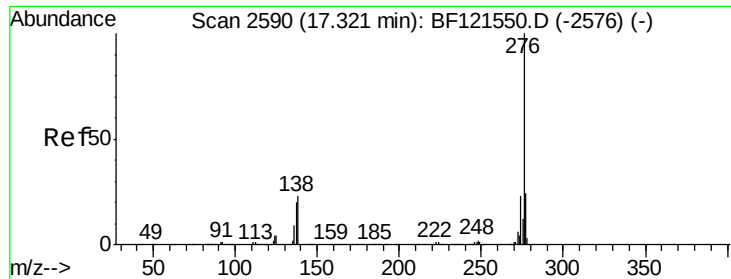
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#91
Dibenzo(a,h)anthracene
Concen: 13.508 ng
RT: 16.86 min Scan# 2512
Delta R.T. 0.02 min
Lab File: BF121718.D
Acq: 28 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.0	19.4
279	26.6	19.3	28.9





#92
 Benzo(a,h,i)perylene
 Concen: 45.543 ng
 RT: 17.29 min Scan# 2585
 Delta R.T. 0.04 min
 Lab File: BF121718.D
 Acq: 28 Sep 2020 18:13

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

Tot Ion:	276	Resp:	826255
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.8	28.2
138	20.0	16.6	25.0

Manual Integrations
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