

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121821.D
 Acq On : 5 Oct 2020 17:15
 Operator : JU/CG
 Sample : L4213-10DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-17(5-7)DL

Manual Integrations
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mohammad
 10/7/2020 10:35:59 AM

Quant Time: Oct 05 17:50:25 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	110737	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	434181	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	223043	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	409431	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	286021	20.00	ng	-0.01
86) Perylene-d12	15.36	264	264136	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	295236	39.62	ng	-0.01
7) Phenol-d6	6.40	99	391825	40.08	ng	-0.02
23) Nitrobenzene-d5	7.32	82	262416	32.45	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	102009	36.80	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	511994	34.77	ng	-0.02
79) Terphenyl-d14	12.86	244	515539	36.52	ng	-0.02

Target Compounds				Qvalue		
31) Naphthalene	8.06	128	58178	2.538	ng	99
50) Dimethylphthalate	9.52	163	55082	3.407	ng	100
52) Acenaphthene	9.83	154	45438	3.328	ng	99
55) Dibenzofuran	10.00	168	42923	2.232	ng	99
58) Fluorene	10.35	166	62601	4.257	ng	99
71) Phenanthrene	11.30	178	737270	33.050	ng	99
72) Anthracene	11.36	178	209448	9.098	ng	98
73) Carbazole	11.52	167	96574	4.649	ng	98
75) Fluoranthene	12.50	202	1032129	43.343	ng	99
78) Pyrene	12.72	202	852495	40.794	ng	99
81) Benzo(a)anthracene	13.91	228	441852	24.418	ng	100
83) Chrysene	13.94	228	340998	18.610	ng	98
87) Indeno(1,2,3-cd)pyrene	16.76	276	214041	12.443	ng	96
88) Benzo(b)fluoranthene	14.94	252	450832m	25.532	ng	
89) Benzo(k)fluoranthene	14.97	252	117609m	7.273	ng	
90) Benzo(a)pyrene	15.30	252	304302	20.274	ng	99
91) Dibenzo(a,h)anthracene	16.77	278	57465m	4.013	ng	
92) Benzo(g,h,i)perylene	17.19	276	205363	14.590	ng	99

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

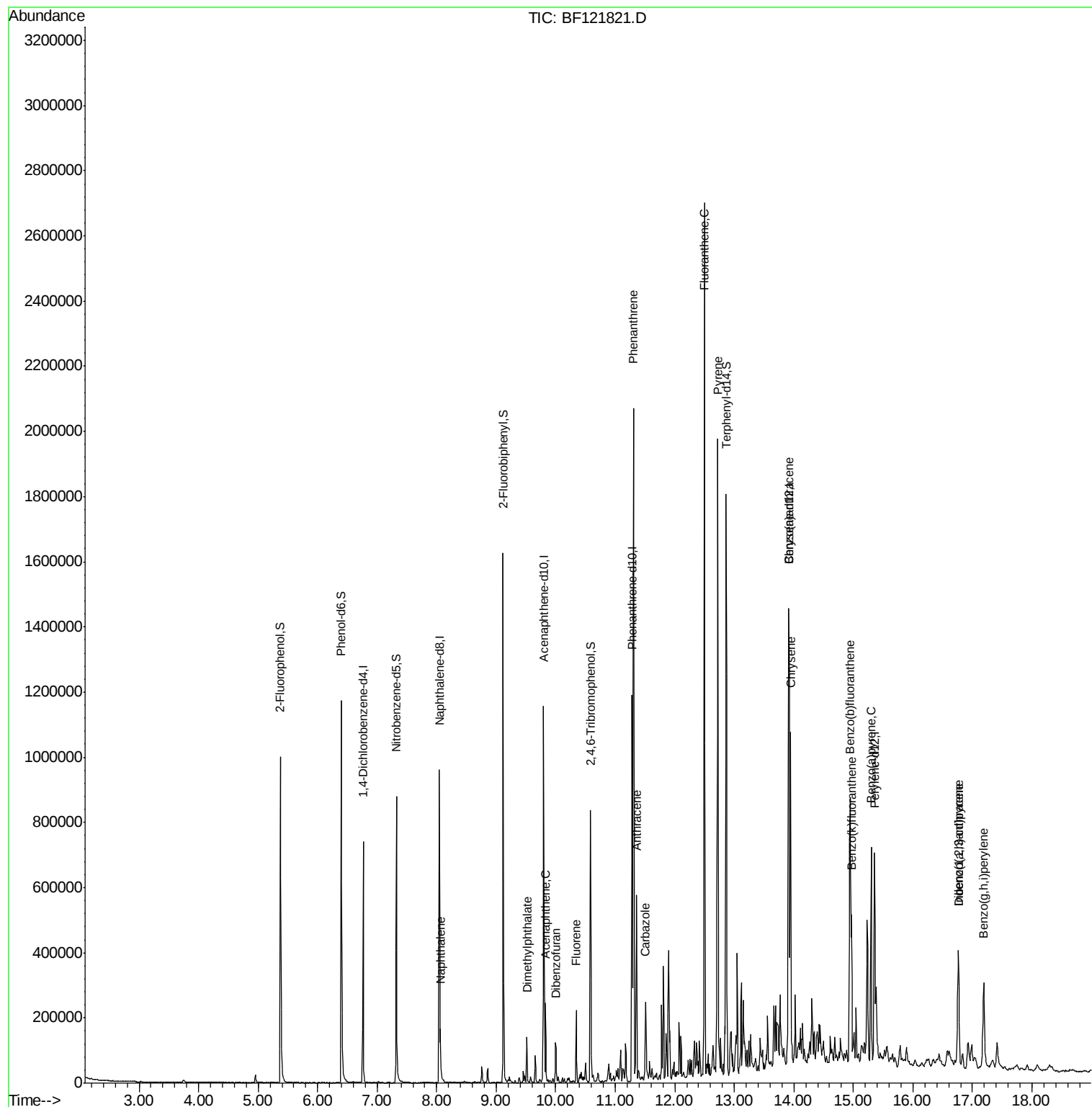
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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#1

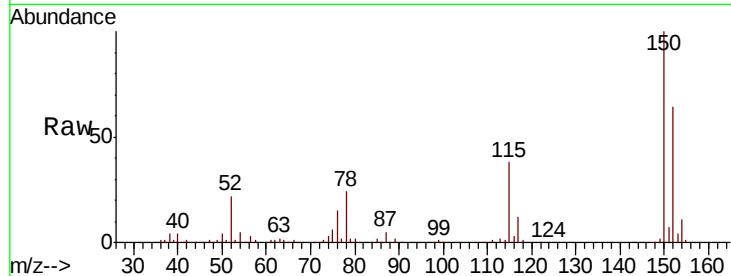
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.3	187.9
115	60.0	51.9	77.9

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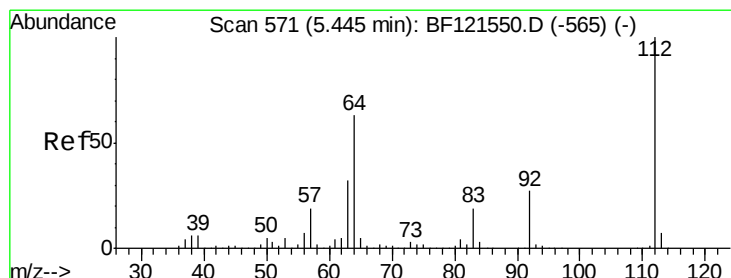
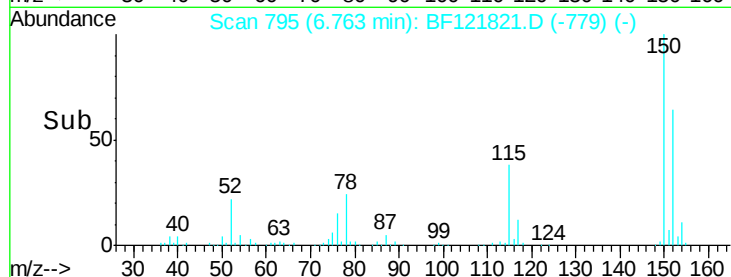
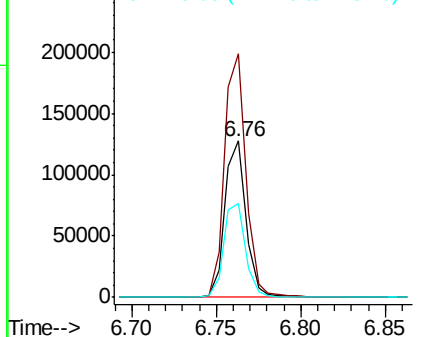


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

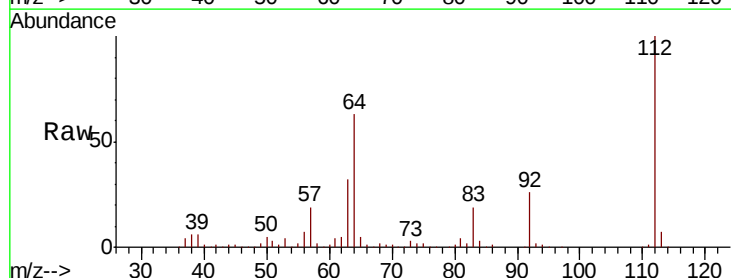
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.622 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	50.4	75.6
63	31.7	25.8	38.6

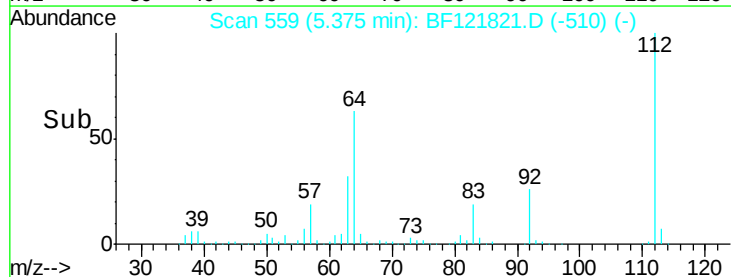
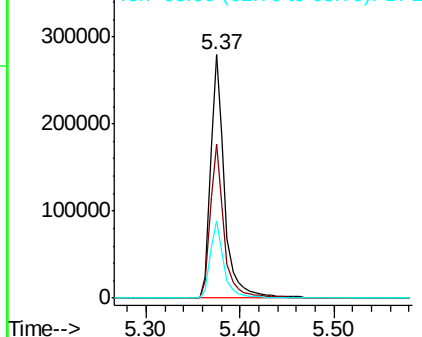


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 40.081 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF121821.D

Acq: 5 Oct 2020 17:15

Instrument :

BNA_F

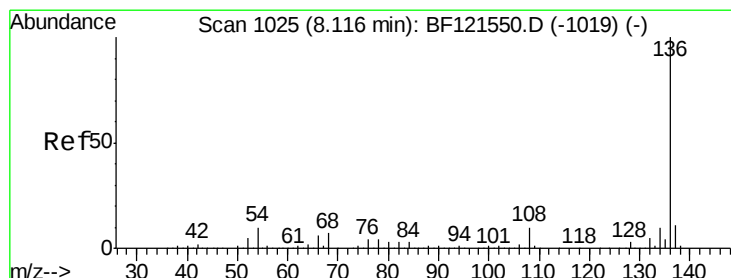
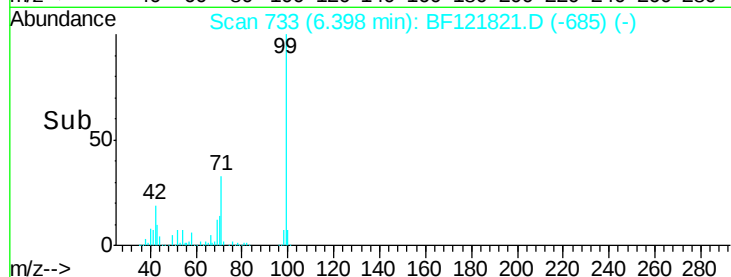
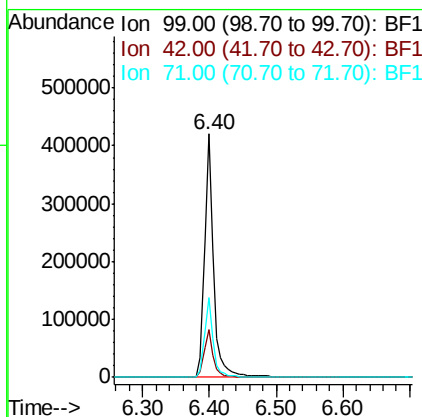
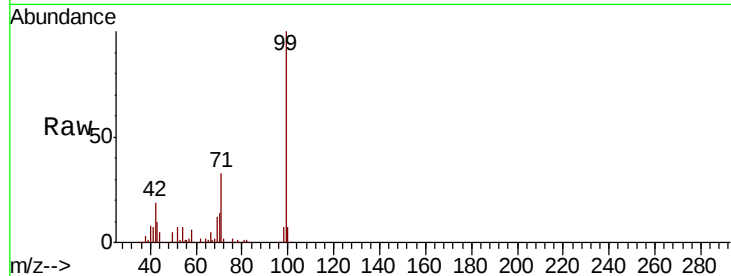
ClientSampleId :

B-17(5-7)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		391825		
42	19.4	15.9	23.9		
71	33.0	27.1	40.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

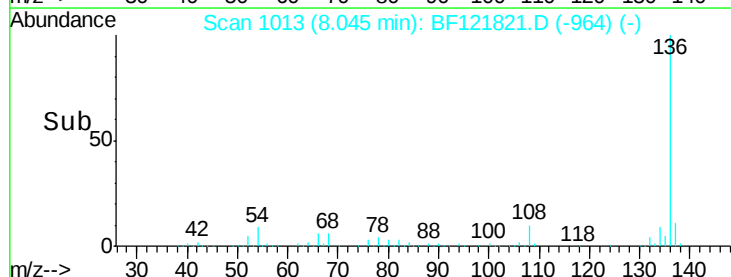
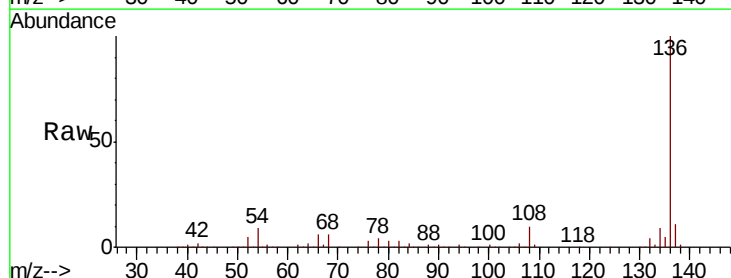
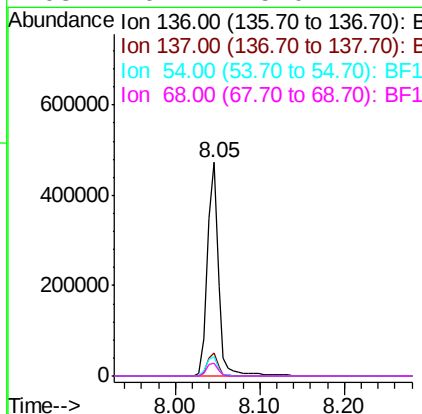
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121821.D

Acq: 5 Oct 2020 17:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		434181		
137	10.7	8.6	13.0		
54	8.9	7.1	10.7		
68	6.2	5.0	7.4		





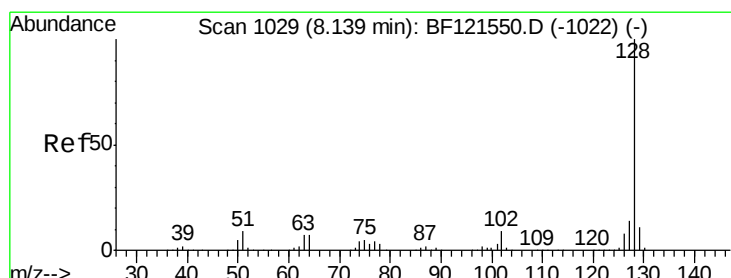
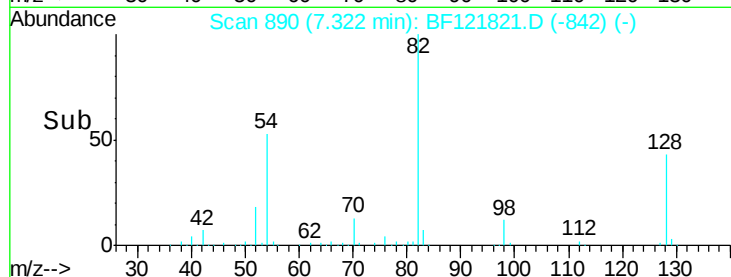
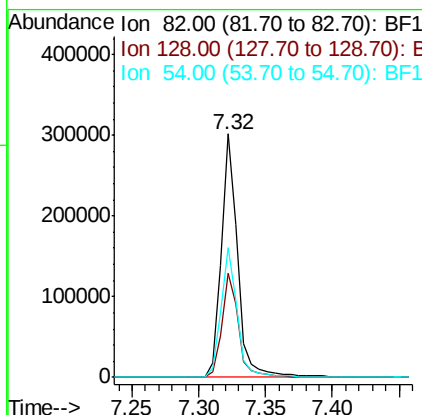
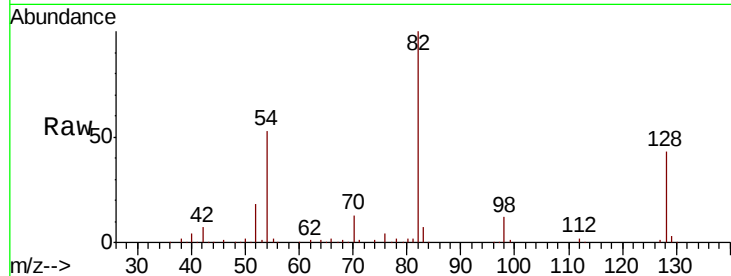
#23
Nitrobenzene-d5
Concen: 32.451 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	35.0	52.4
54	53.2	43.9	65.9

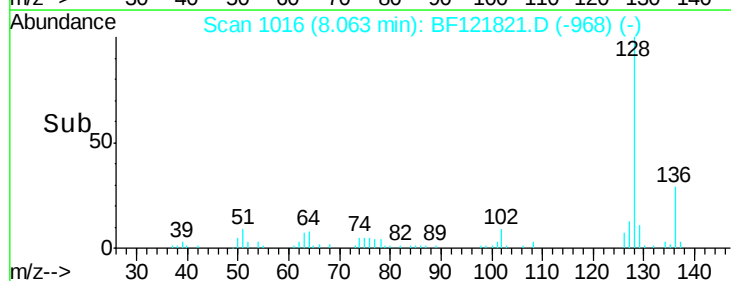
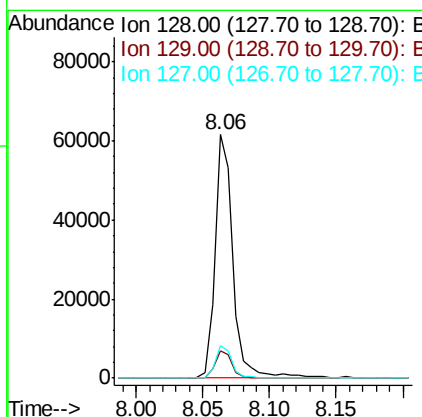
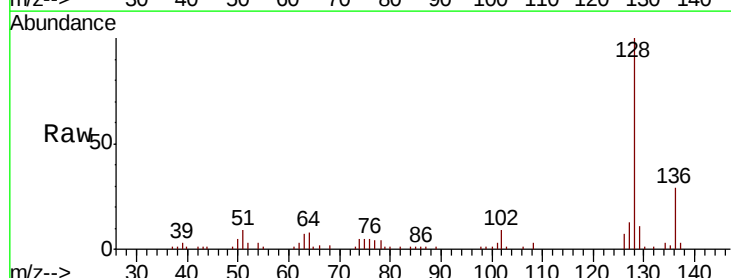
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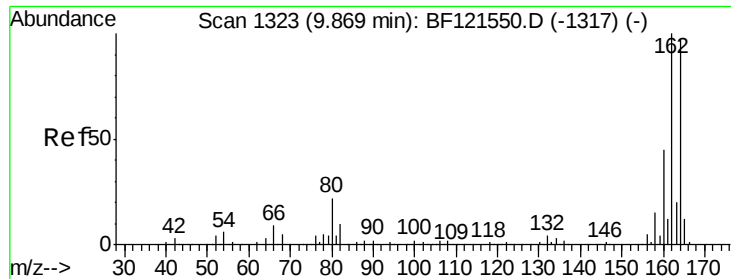
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#31
Naphthalene
Concen: 2.538 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.02 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	13.3	10.8	16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121821.D

Acq: 5 Oct 2020 17:15

Instrument :

BNA_F

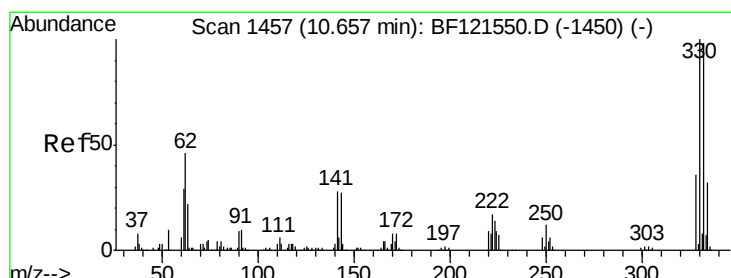
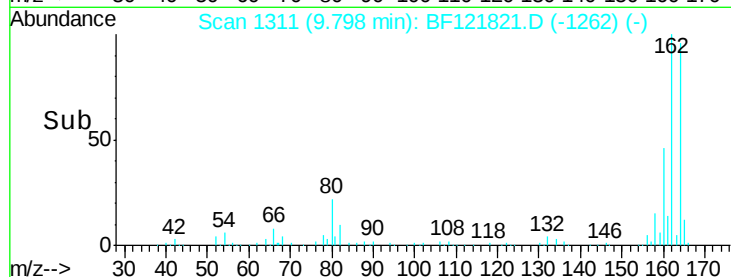
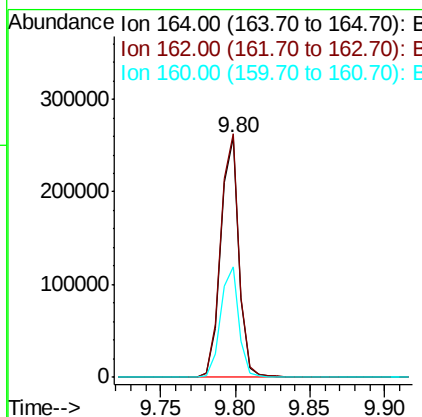
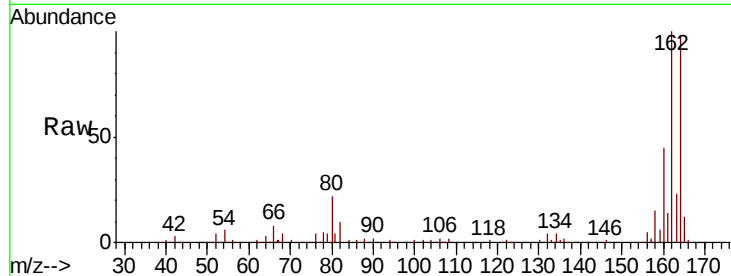
ClientSampleId :

B-17(5-7)DL

Tot Ion:	164	Resp:	223043
Ion Ratio	Lower	Upper	
164	100		
162	101.6	83.2	124.8
160	46.2	37.5	56.3

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#42

2,4,6-Tribromophenol

Concen: 36.798 ng

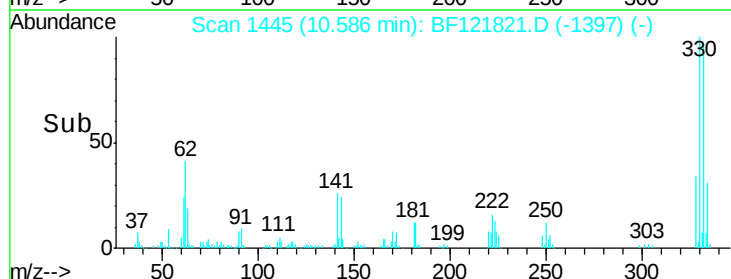
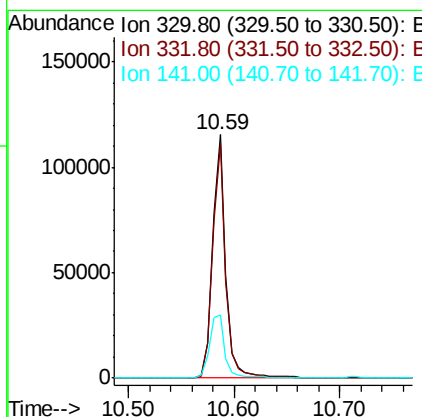
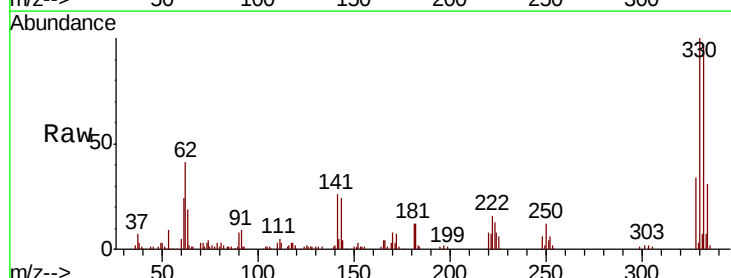
RT: 10.59 min Scan# 1445

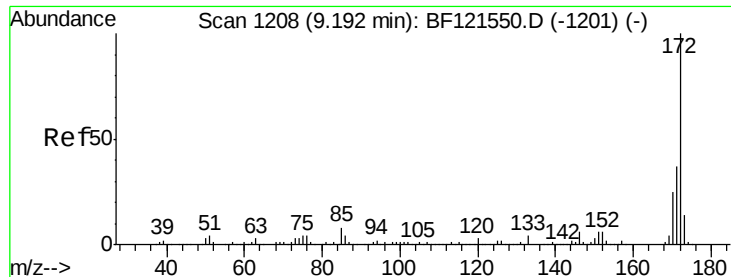
Delta R.T. -0.02 min

Lab File: BF121821.D

Acq: 5 Oct 2020 17:15

Tgt Ion:	330	Resp:	102009
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.3	115.9
141	30.3	22.3	33.5





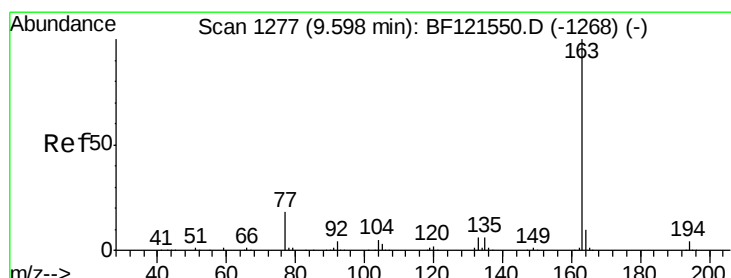
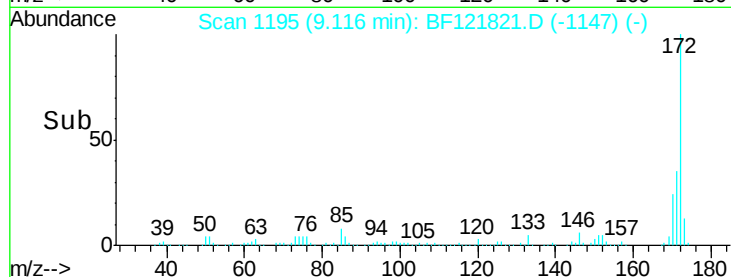
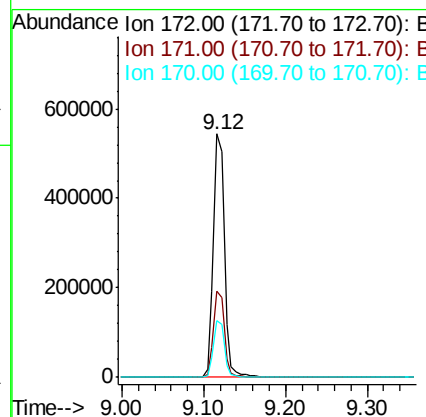
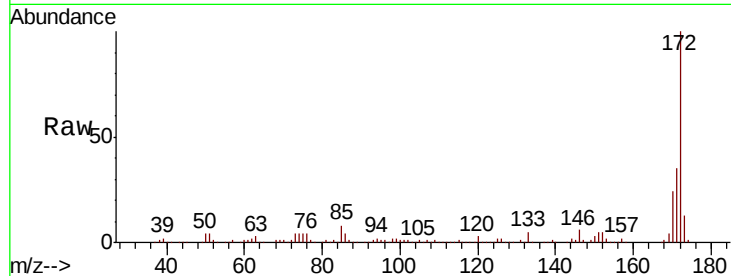
#45
2-Fluorobiphenyl
Concen: 34.766 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Instrument :
BNA_F
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B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.1	43.7
170	23.5	19.8	29.6

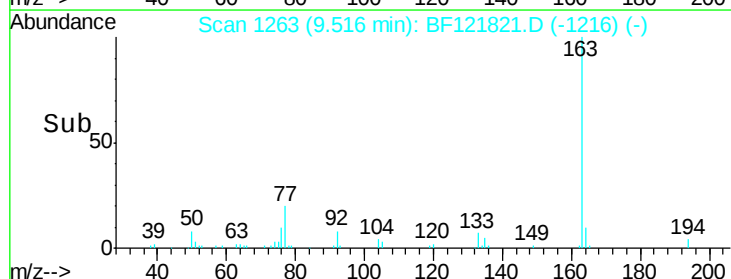
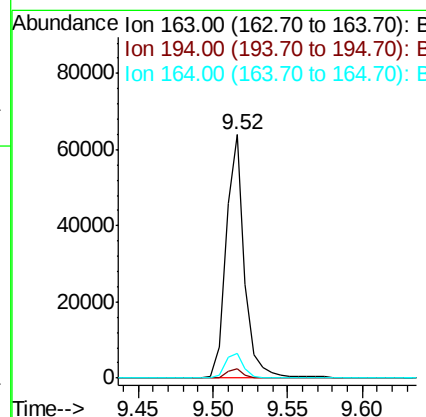
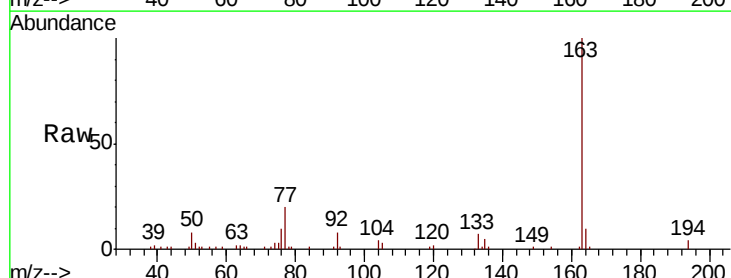
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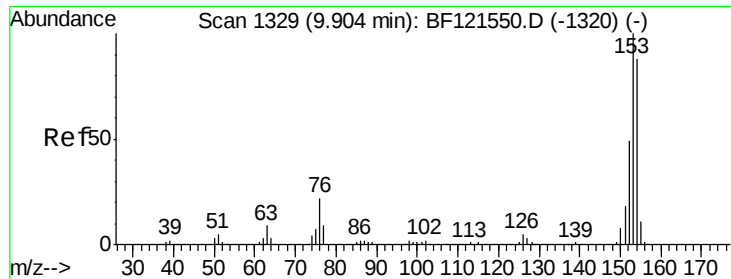
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#50
Dimethylphthalate
Concen: 3.407 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.2	12.4





#52

Acenaphthene

Concen: 3.328 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BF121821.D

Acq: 5 Oct 2020 17:15

Instrument :

BNA_F

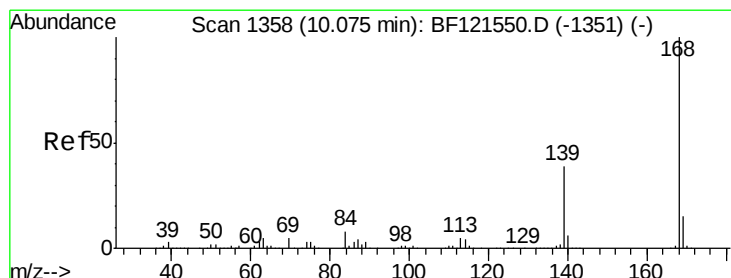
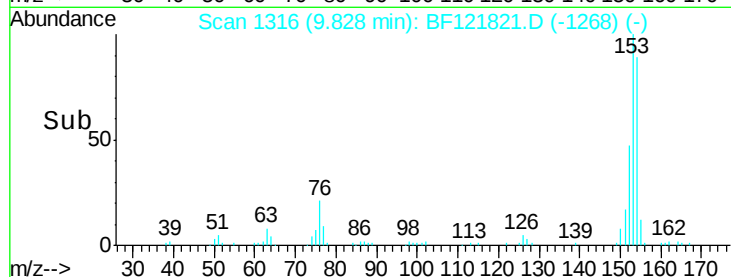
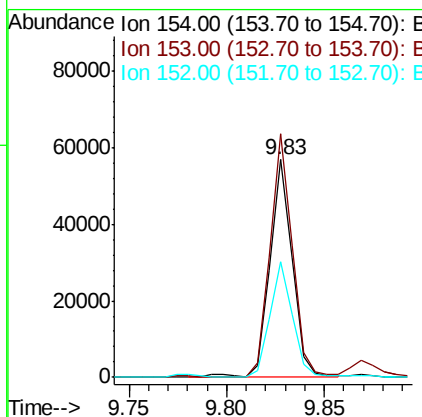
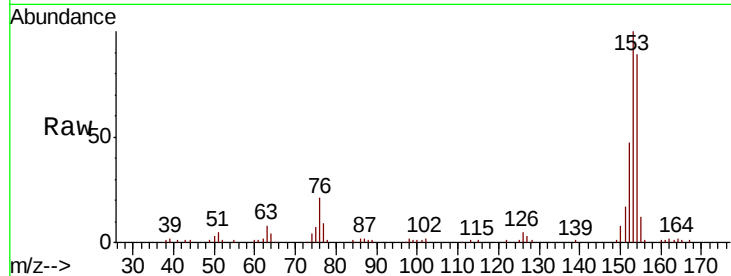
ClientSampleId :

B-17(5-7)DL

Tot Ion:	154	Resp:	45438
Ion Ratio	Lower	Upper	
154	100		
153	111.8	89.8	134.8
152	52.9	43.2	64.8

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#55

Dibenzofuran

Concen: 2.232 ng

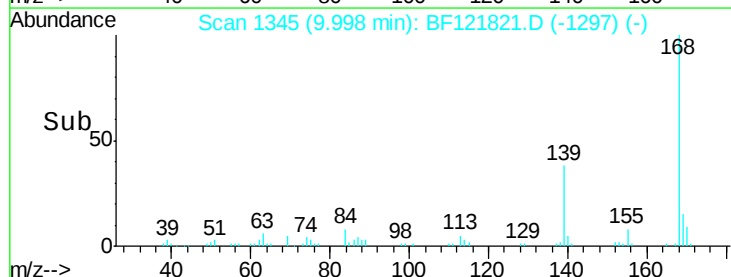
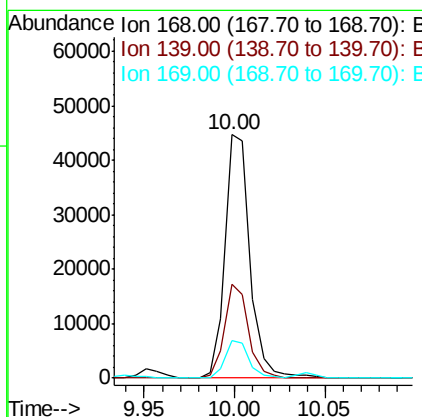
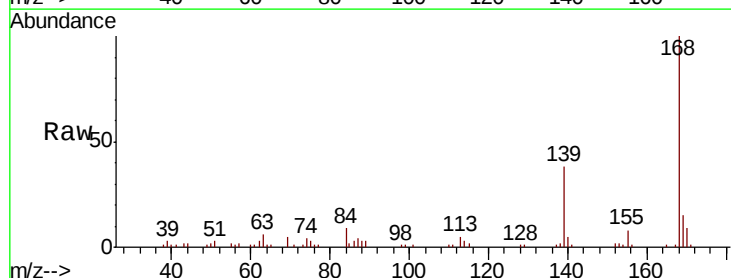
RT: 10.00 min Scan# 1345

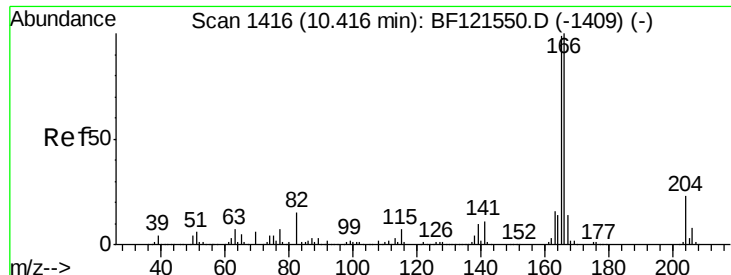
Delta R.T. -0.02 min

Lab File: BF121821.D

Acq: 5 Oct 2020 17:15

Tgt Ion:	168	Resp:	42923
Ion Ratio	Lower	Upper	
168	100		
139	38.3	31.0	46.6
169	15.2	11.3	16.9





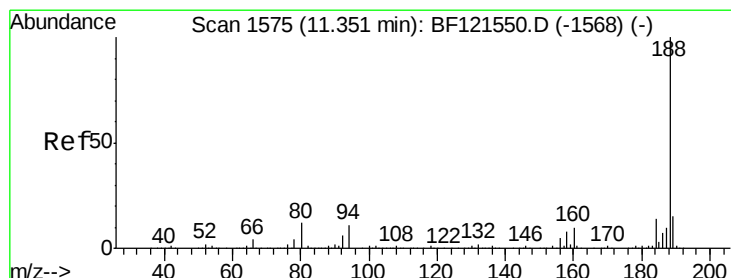
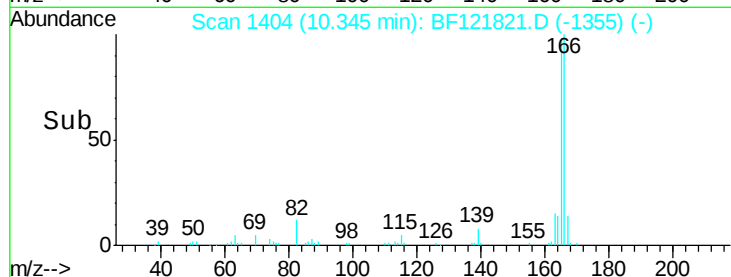
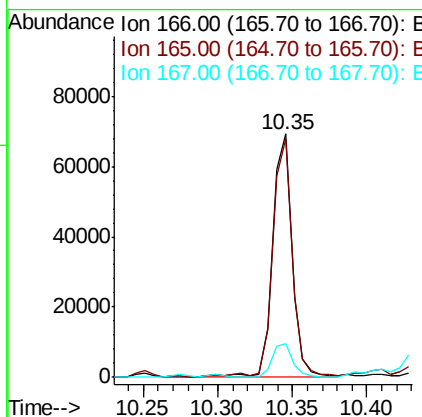
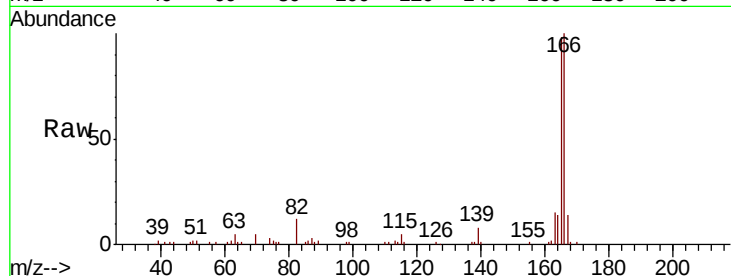
#58
 Fluorene
 Concen: 4.257 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF121821.D
 Acq: 5 Oct 2020 17:15

Instrument :
 BNA_F
 ClientSampleId :
 B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.1	118.7
167	13.9	11.0	16.6

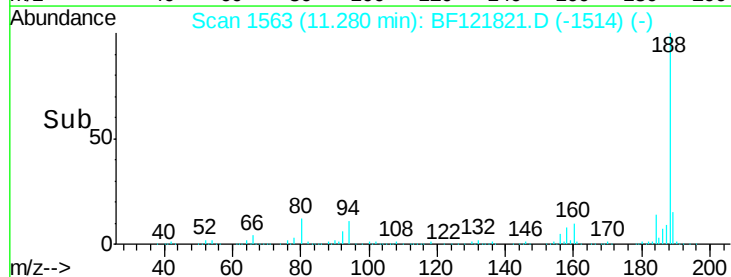
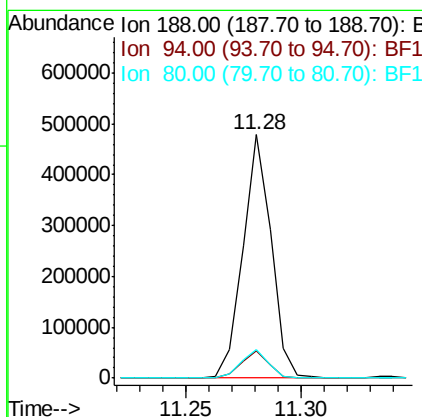
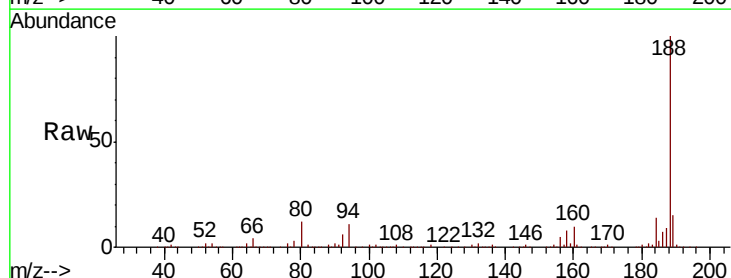
Manual Integrations
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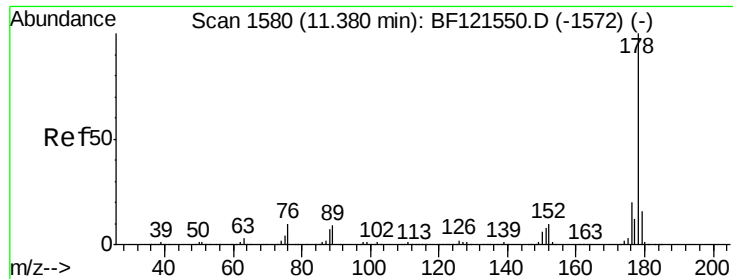
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121821.D
 Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.3	12.5
80	12.0	9.1	13.7





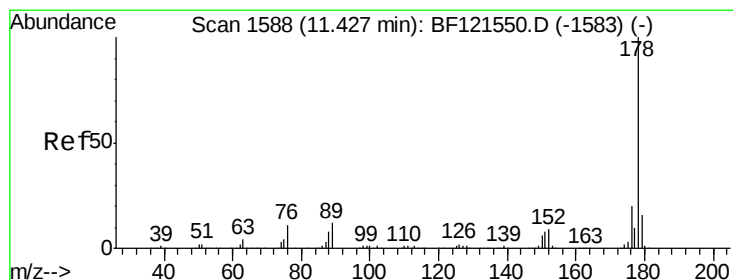
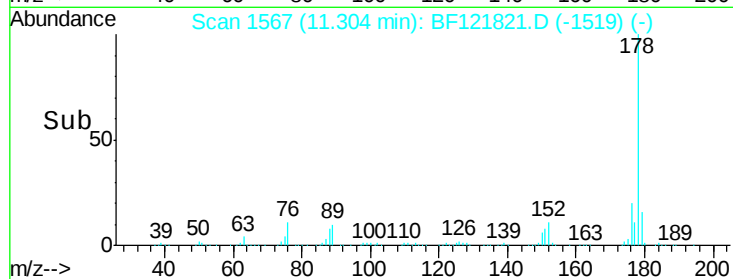
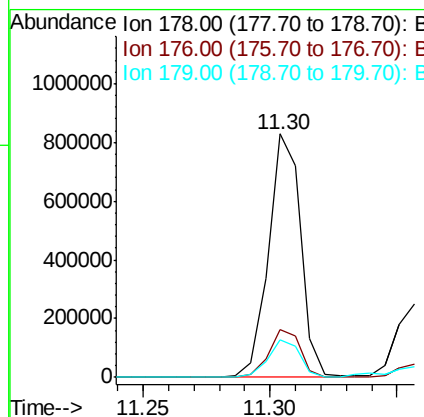
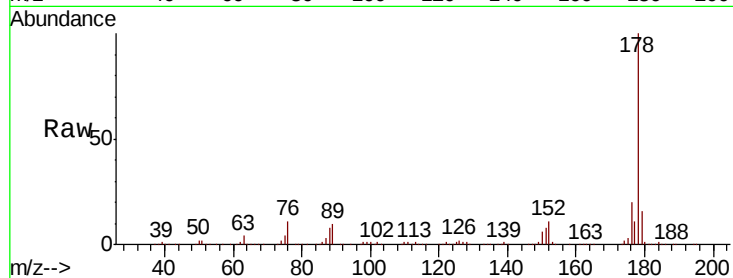
#71
Phenanthrene
Concen: 33.050 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.6	12.2	18.4

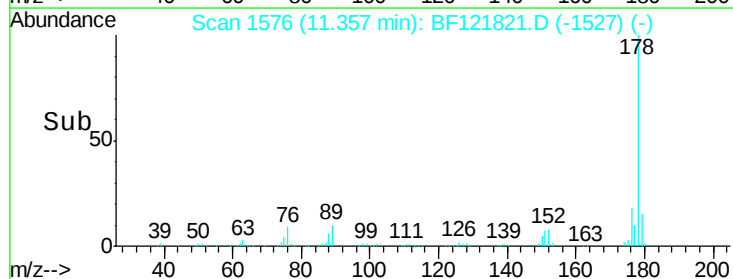
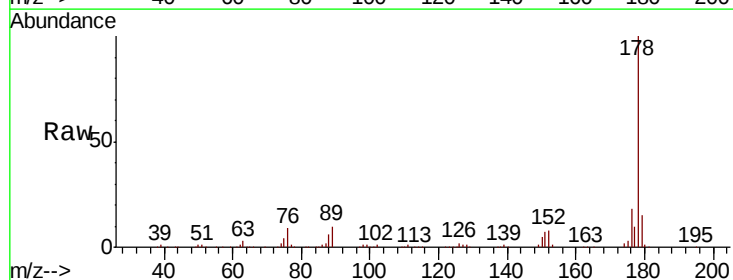
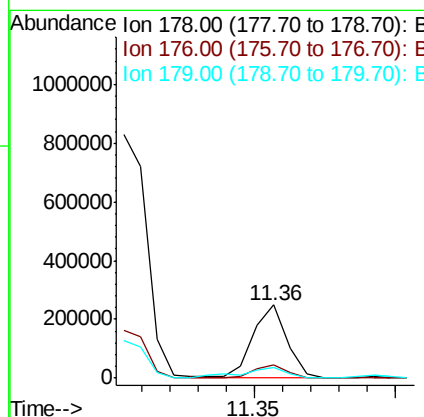
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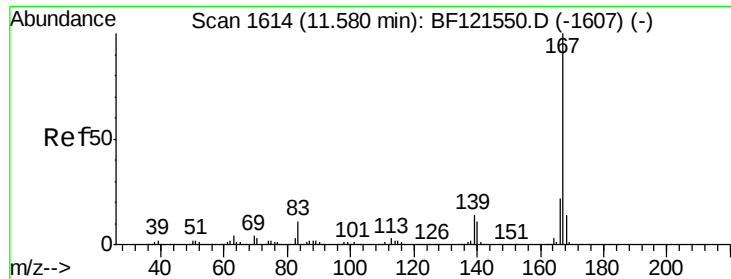
mohammad
10/7/2020 10:35:59 AM



#72
Anthracene
Concen: 9.098 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	15.5	12.7	19.1





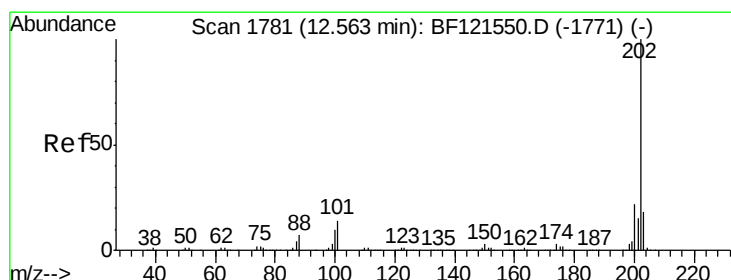
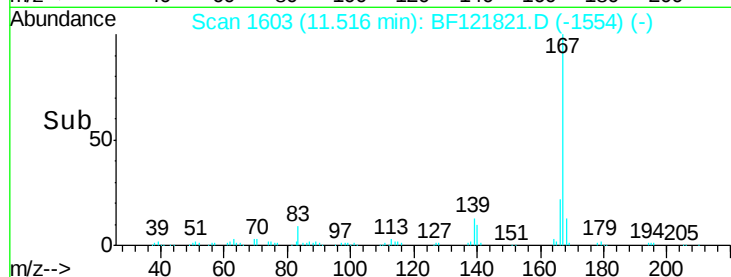
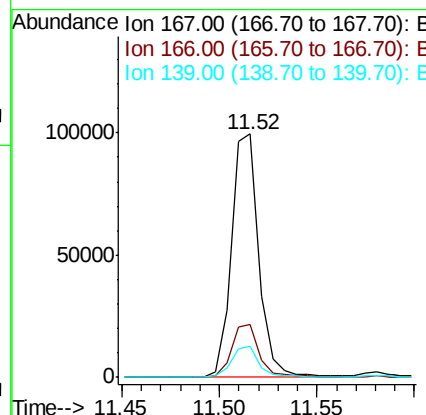
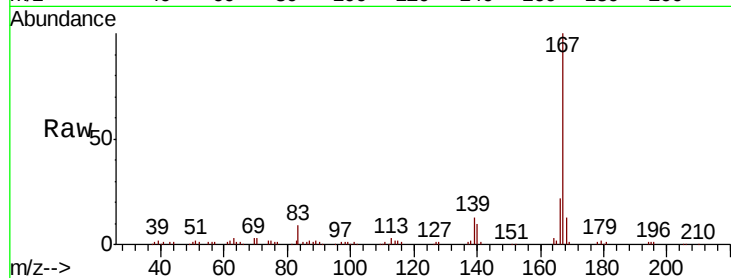
#73
 Carbazole
 Concen: 4.649 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF121821.D
 Acq: 5 Oct 2020 17:15

Instrument :
 BNA_F
 ClientSampleId :
 B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.8	26.6
139	12.6	10.8	16.2

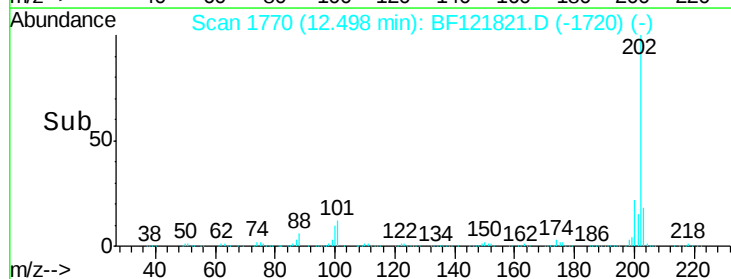
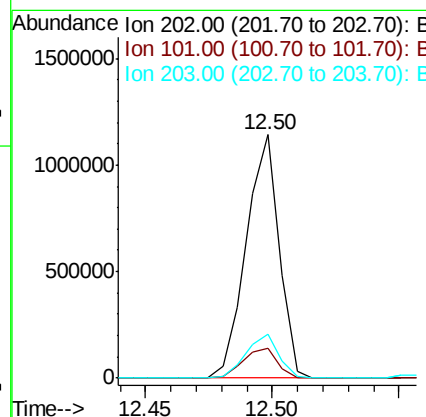
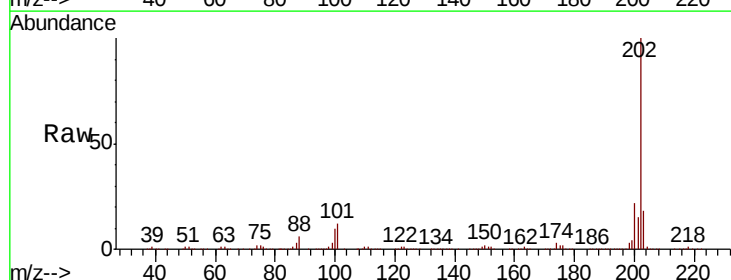
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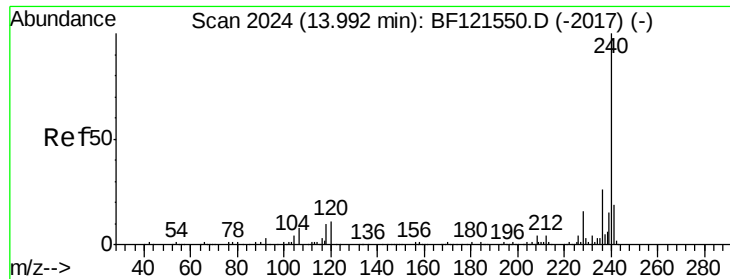
mohammad
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#75
 Fluoranthene
 Concen: 43.343 ng
 RT: 12.50 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: BF121821.D
 Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.4
203	18.0	0.0	37.9





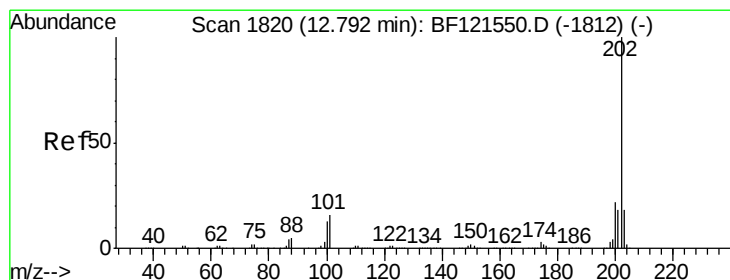
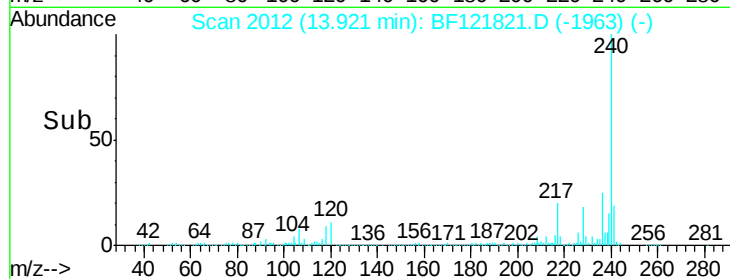
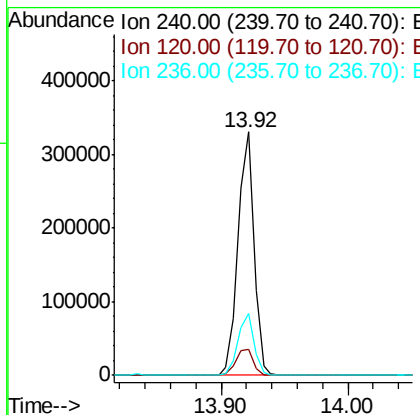
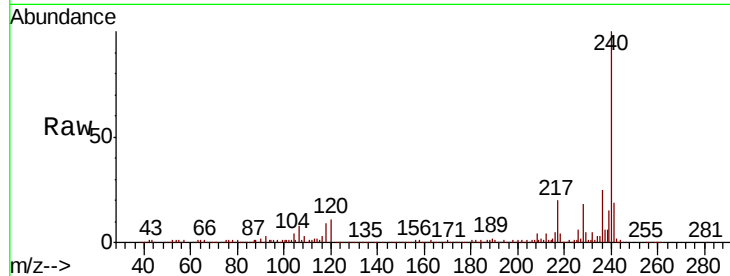
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.2	13.8
236	25.2	20.9	31.3

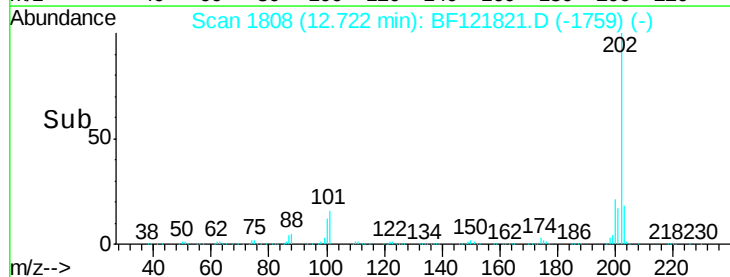
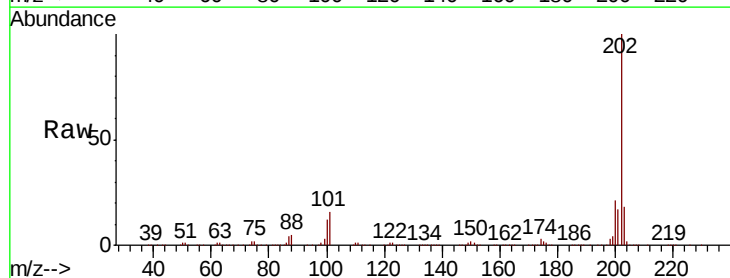
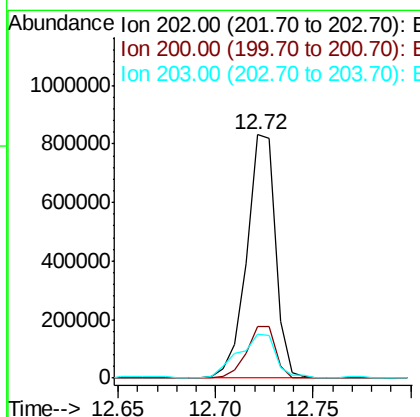
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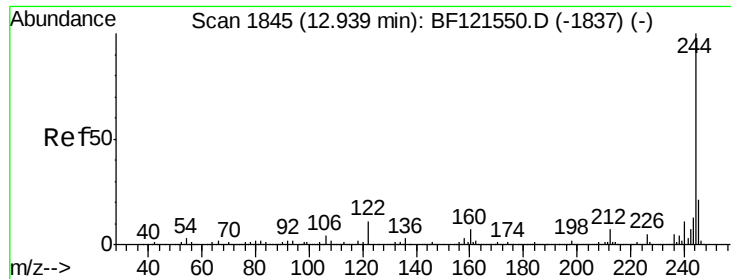
mohammad
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#78
Pyrene
Concen: 40.794 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.1	14.6	21.8





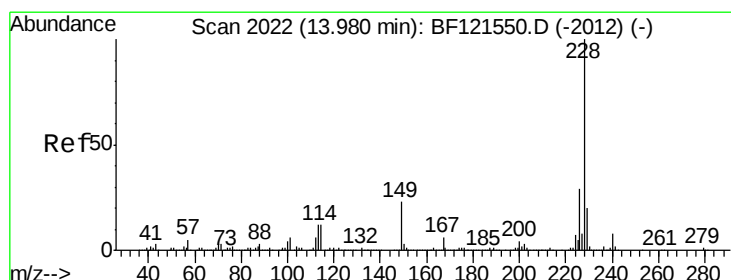
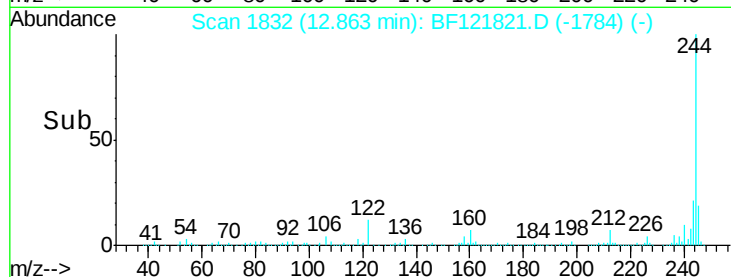
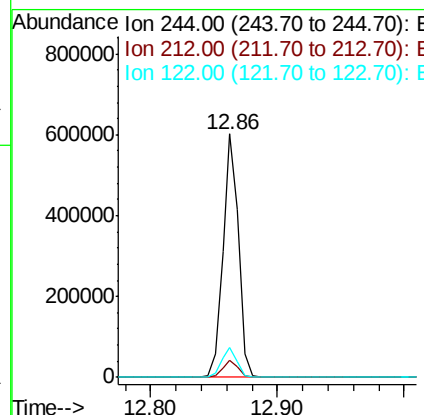
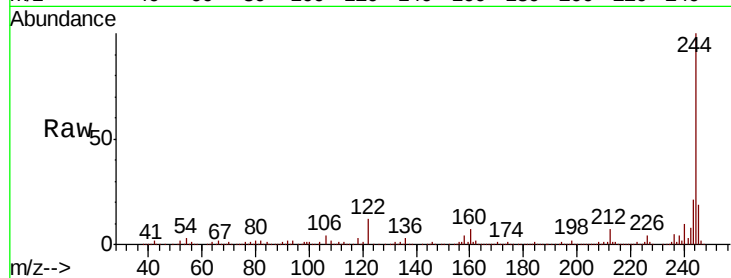
#79
 Terphenyl-d14
 Concen: 36.516 ng
 RT: 12.86 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF121821.D
 Acq: 5 Oct 2020 17:15

Instrument :
 BNA_F
 ClientSampleId :
 B-17(5-7)DL

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	5.4	8.2	
122	12.2	8.1	12.1	

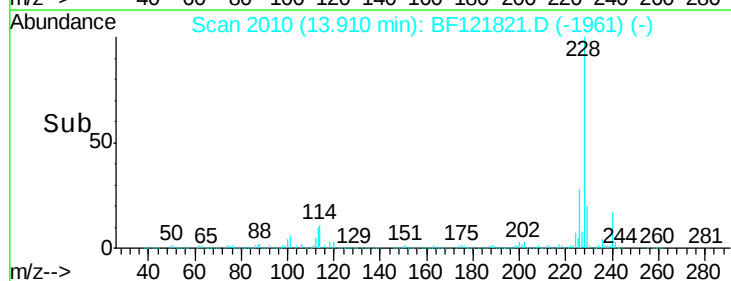
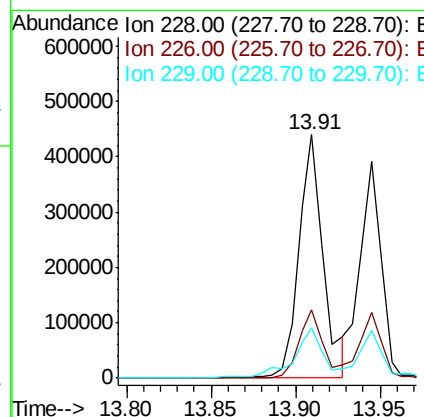
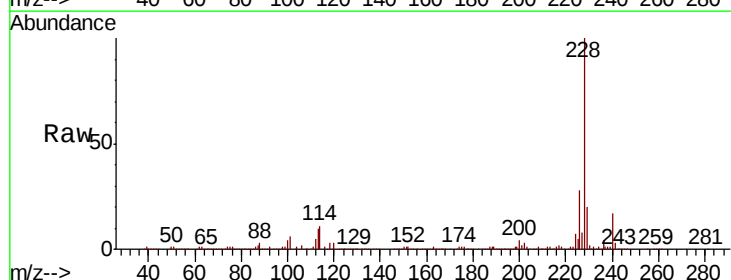
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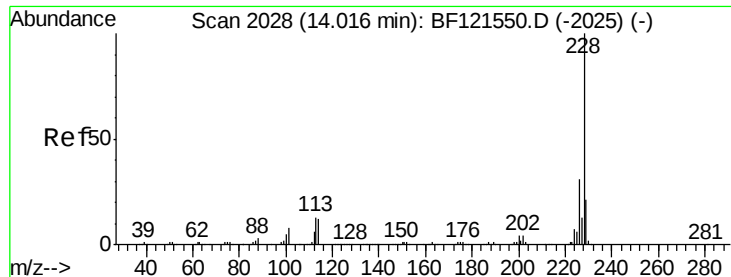
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#81
 Benzo(a)anthracene
 Concen: 24.418 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF121821.D
 Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.9	22.3	33.5	
229	20.5	16.2	24.4	





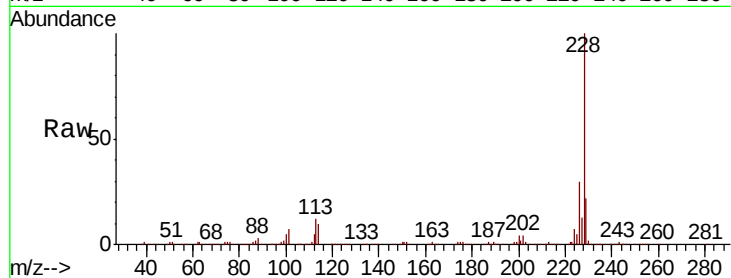
#83
Chrysene
Concen: 18.610 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Instrument :
BNA_F
ClientSampleID :
B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	21.9	15.9	23.9

Manual Integrations
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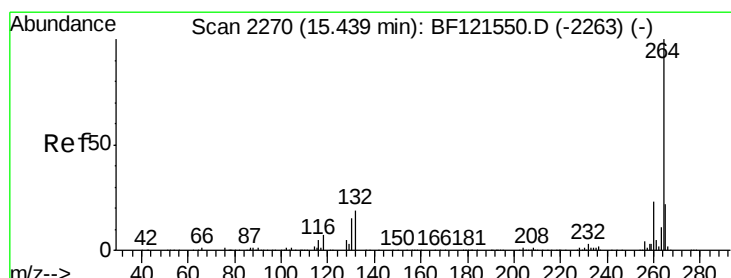
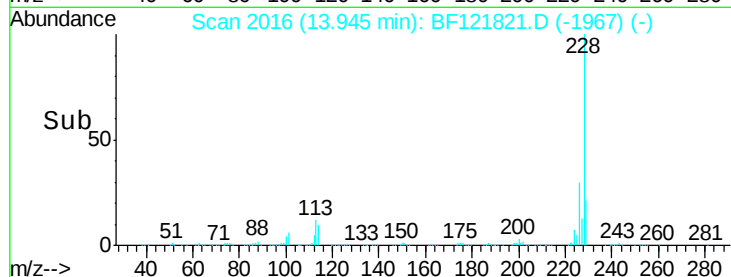
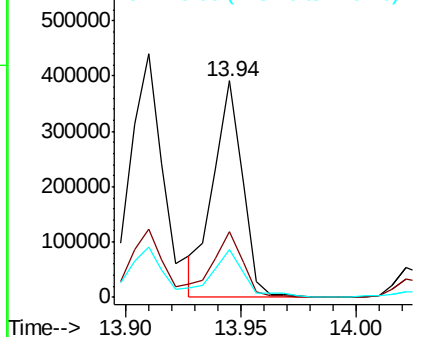


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

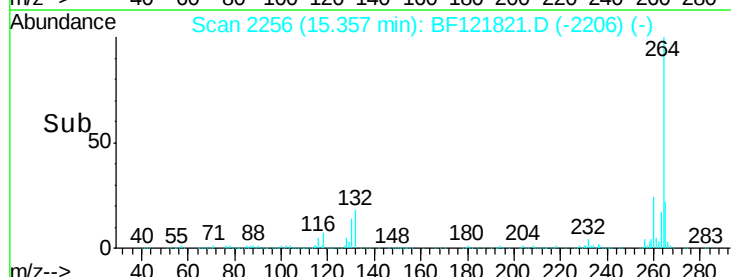
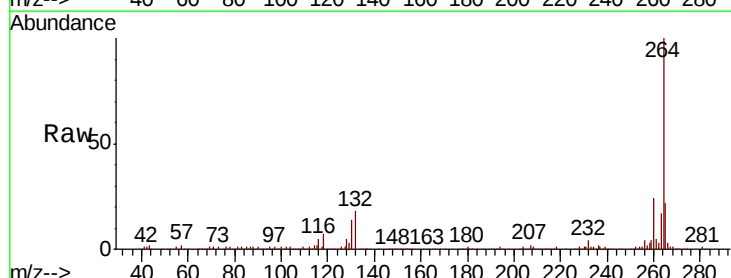
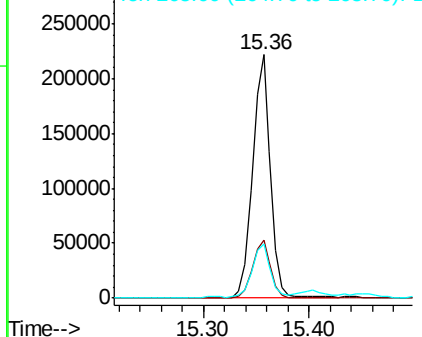
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.3	17.3	25.9

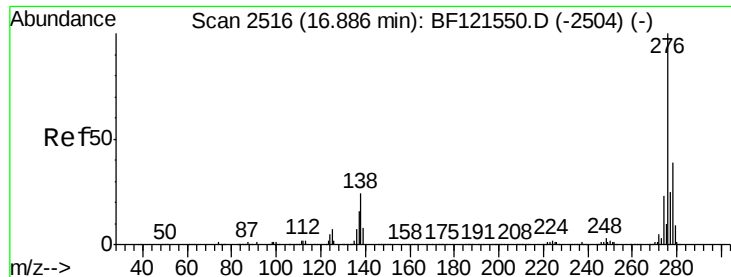
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





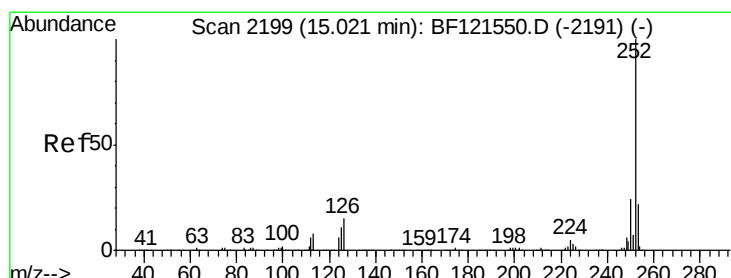
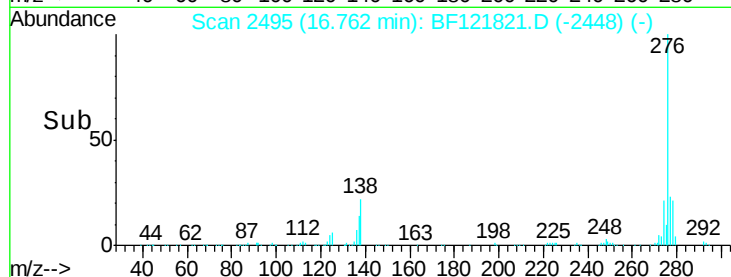
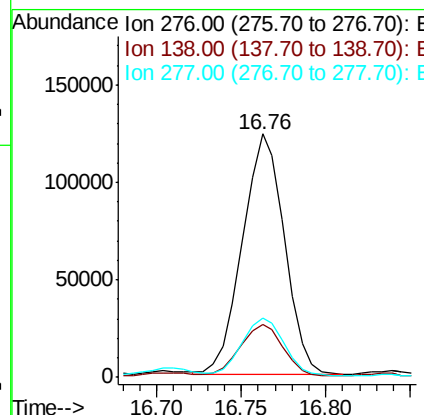
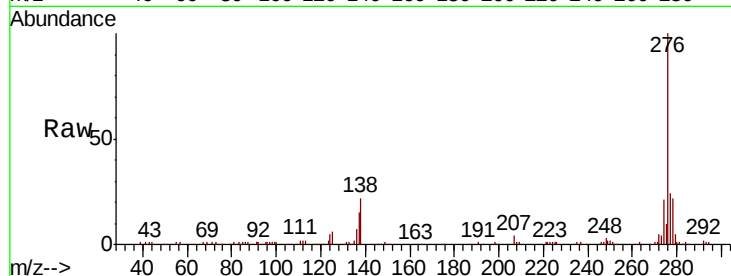
#87
Indeno(1,2,3-cd)pyrene
Concen: 12.443 ng
RT: 16.76 min Scan# 2495
Delta R.T. -0.02 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.9	29.9
277	24.2	20.4	30.6

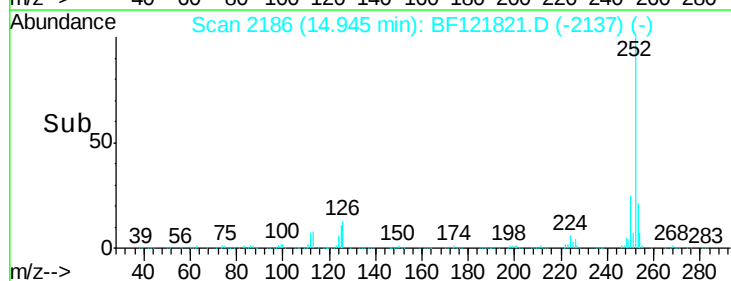
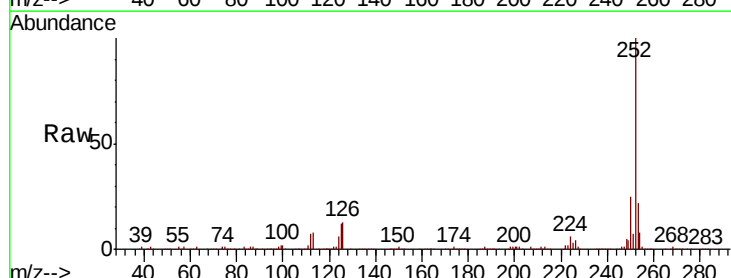
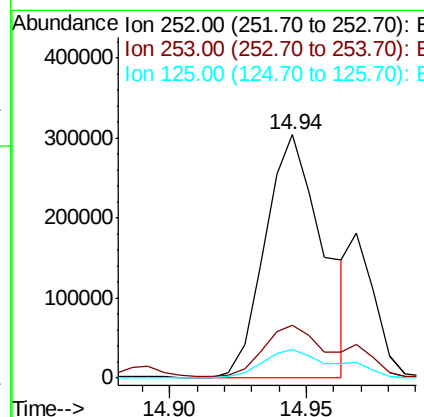
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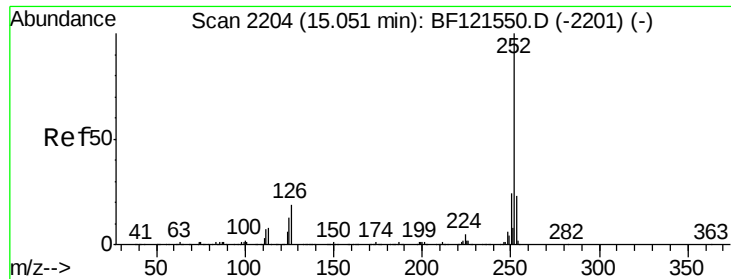
mohammad
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#88
Benzo(b)fluoranthene
Concen: 25.532 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	11.5	8.0	12.0





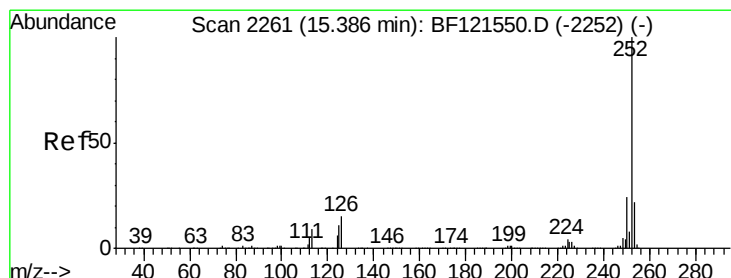
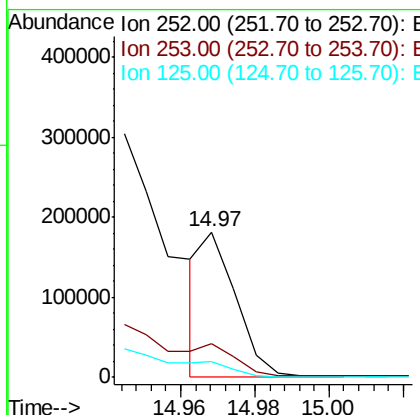
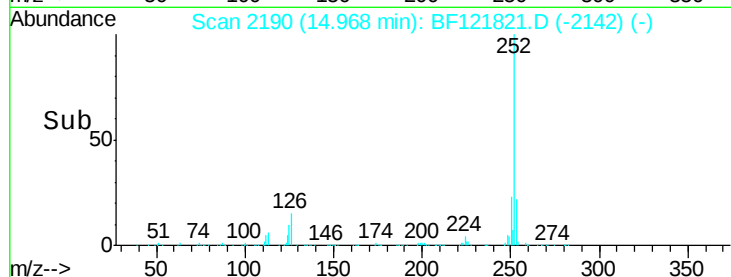
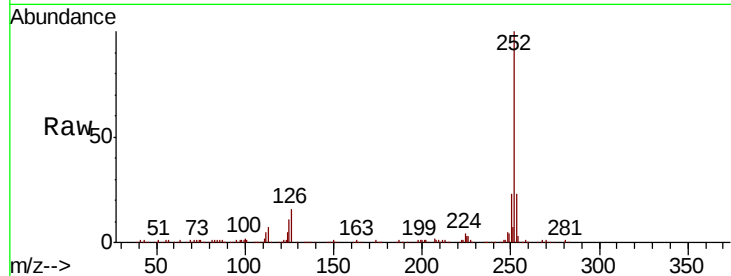
#89
Benzo(k)fluoranthene
Concen: 7.273 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	10.5	7.7	11.5

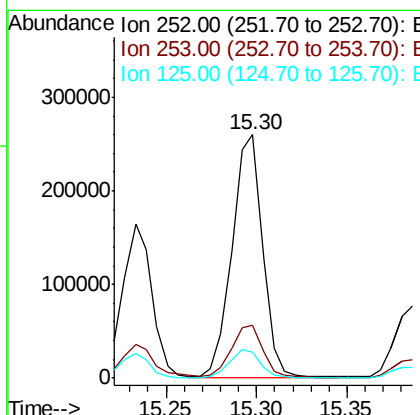
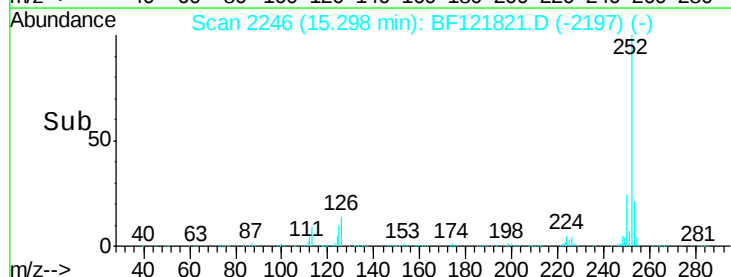
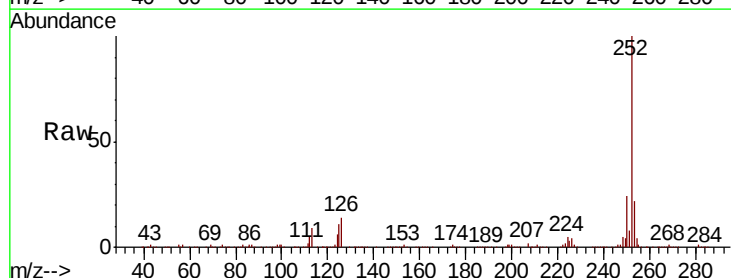
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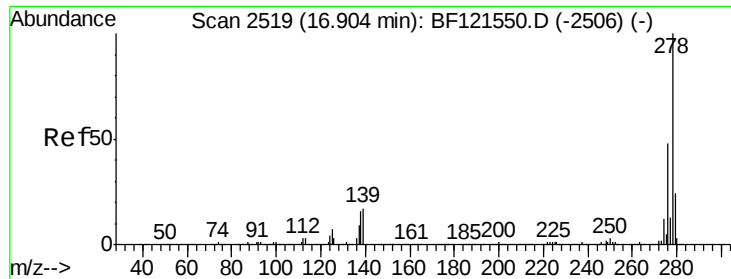
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#90
Benzo(a)pyrene
Concen: 20.274 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	10.6	8.6	13.0





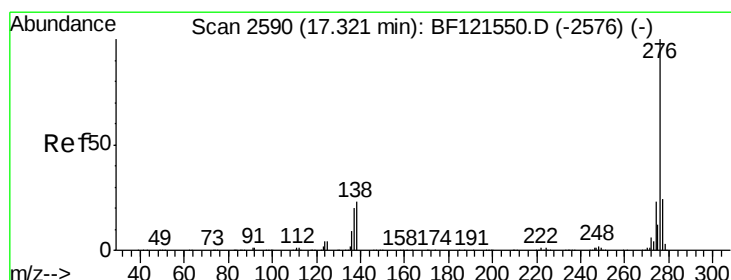
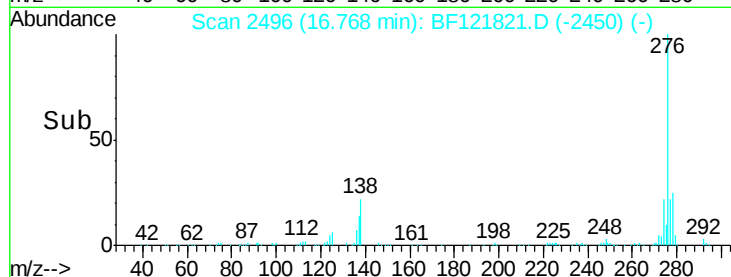
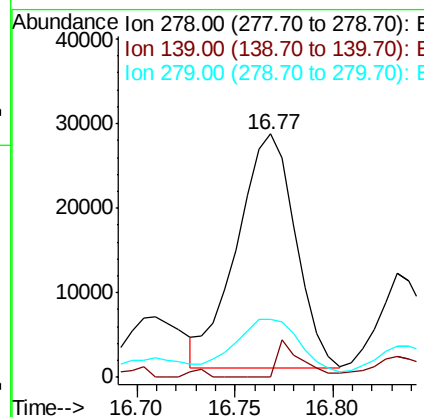
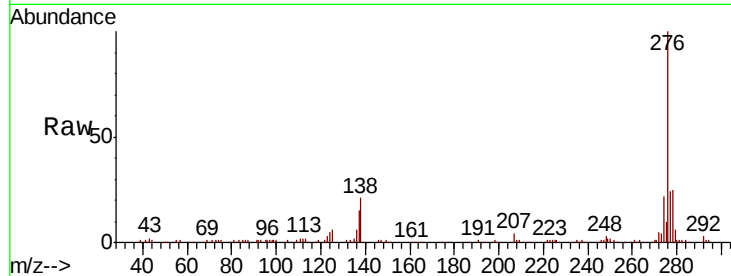
#91
Dibenzo(a,h)anthracene
Concen: 4.013 ng m
RT: 16.77 min Scan# 2496
Delta R.T. -0.03 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	23.6	19.0	28.4

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#92
Benzo(g,h,i)perylene
Concen: 14.590 ng
RT: 17.19 min Scan# 2568
Delta R.T. -0.02 min
Lab File: BF121821.D
Acq: 5 Oct 2020 17:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.4	29.2
138	22.4	17.8	26.6

