

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121717.D
 Acq On : 28 Sep 2020 17:42
 Operator : JU/CG
 Sample : L4154-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4(5-7)

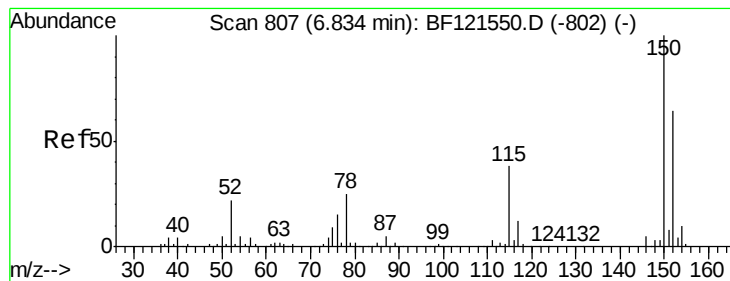
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Quant Time: Sep 28 18:42:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 11:40:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	147226	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	561592	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	276583	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	446682	20.00	ng	0.00
76) Chrysene-d12	13.96	240	316620	20.00	ng	0.00
86) Perylene-d12	15.40	264	326387	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	465775	47.02	ng	0.00
7) Phenol-d6	6.43	99	980890	75.47	ng	0.00
23) Nitrobenzene-d5	7.36	82	720122	68.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	30238	8.80	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1231122	67.41	ng	0.00
79) Terphenyl-d14	12.90	244	976427	62.48	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.69	152	70055	2.613	ng	98
50) Dimethylphthalate	9.55	163	120733	6.023	ng	99
58) Fluorene	10.37	166	42221	2.315	ng	99
71) Phenanthrene	11.34	178	518793	21.317	ng	99
72) Anthracene	11.39	178	142574	5.677	ng	98
73) Carbazole	11.55	167	54273	2.395	ng	97
75) Fluoranthene	12.53	202	807652	31.088	ng	100
78) Pyrene	12.76	202	705774	30.509	ng	99
81) Benzo(a)anthracene	13.94	228	384801	19.210	ng	95
83) Chrysene	13.98	228	375696m	18.522	ng	
87) Indeno(1,2,3-cd)pyrene	16.83	276	212867	10.015	ng	96
88) Benzo(b)fluoranthene	14.99	252	518263m	23.752	ng	
89) Benzo(k)fluoranthene	15.01	252	160817m	8.049	ng	
90) Benzo(a)pyrene	15.34	252	342531	18.468	ng	97
91) Dibenzo(a,h)anthracene	16.84	278	56387	3.187	ng	# 88
92) Benzo(g,h,i)perylene	17.27	276	191279	10.998	ng	98

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



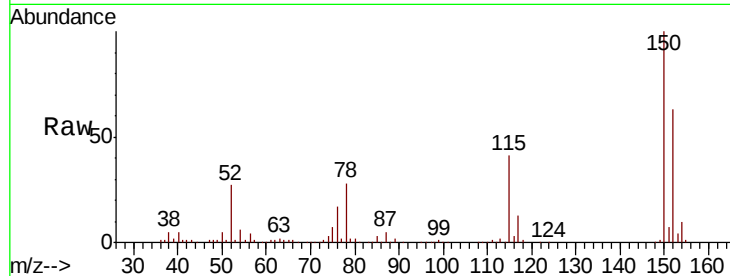
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 B-4(5-7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.6	184.0
115	64.9	47.1	70.7

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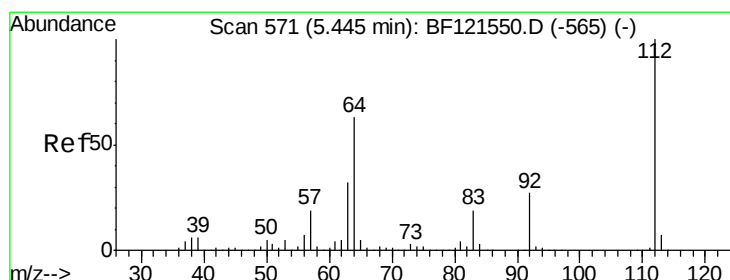
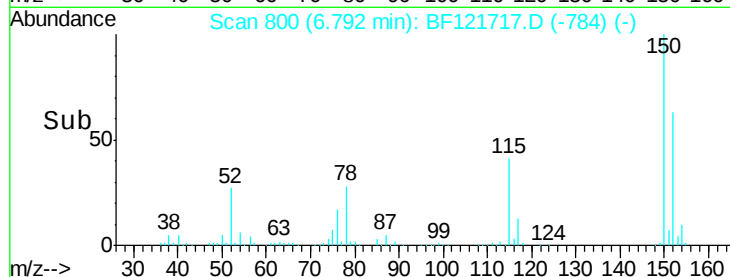
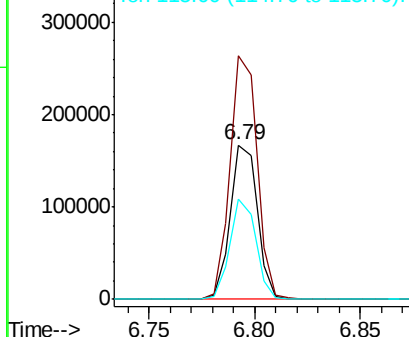


Abundance

Ion 152.00 (151.70 to 152.70): E

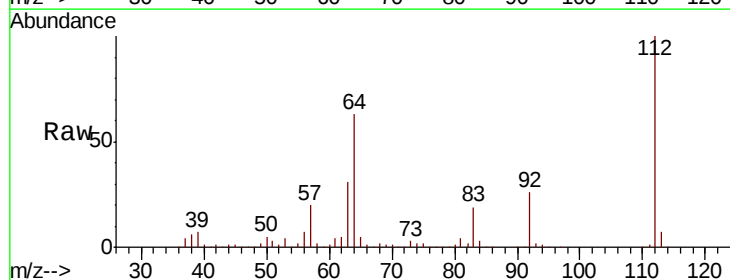
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 47.016 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	49.5	74.3
63	31.4	25.4	38.0

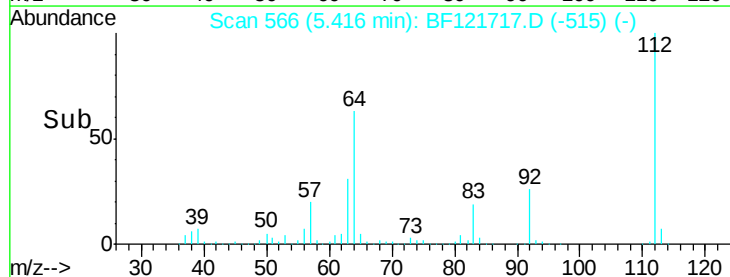
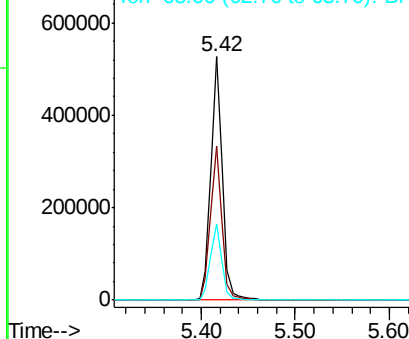


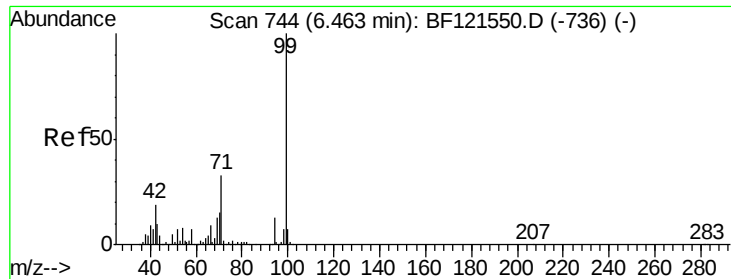
Abundance

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: 75.470 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121717.D

Acq: 28 Sep 2020 17:42

Instrument :

BNA_F

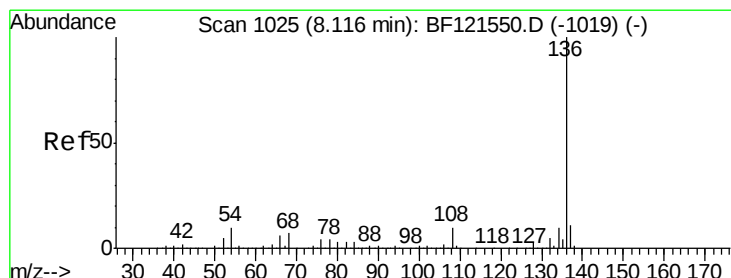
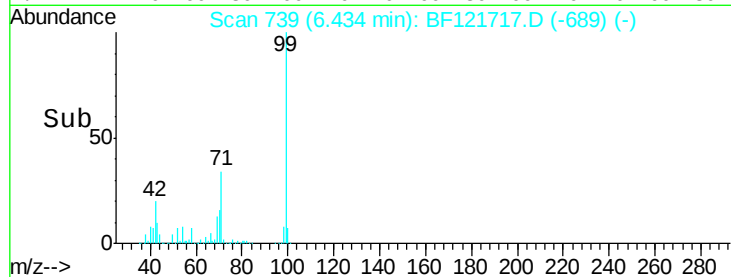
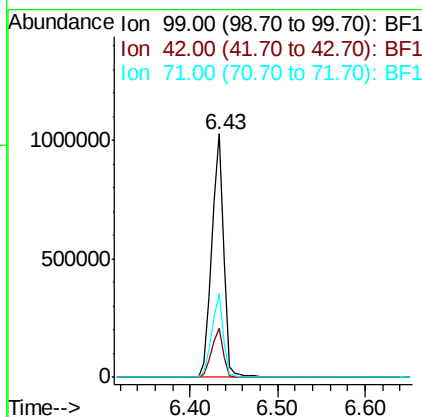
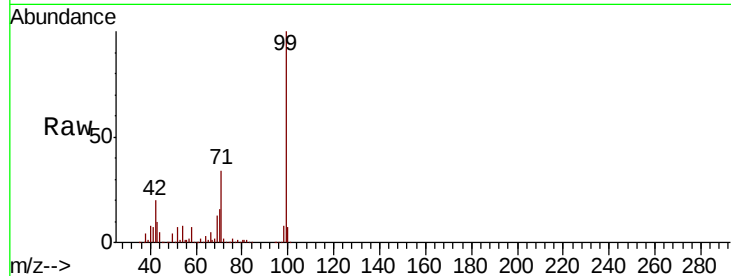
ClientSampled :

B-4(5-7)

Tot Ion:	99	Resp:	980890
Ion Ratio	Lower	Upper	
99	100		
42	20.4	16.1	24.1
71	34.3	27.6	41.4

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#21

Naphthalene-d8

Concen: 20.000 ng

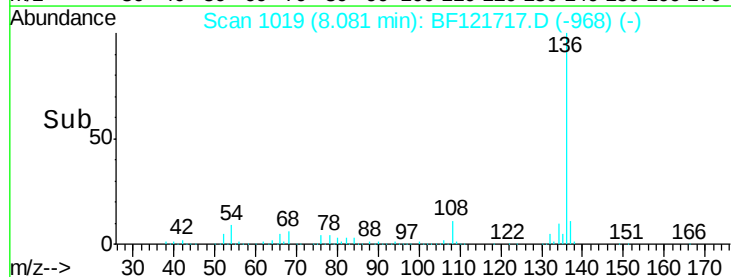
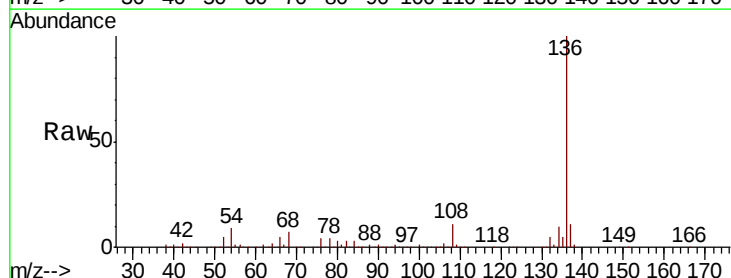
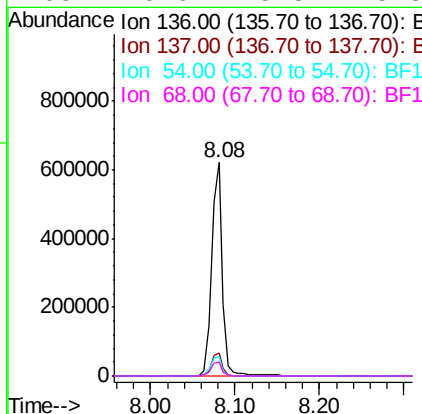
RT: 8.08 min Scan# 1019

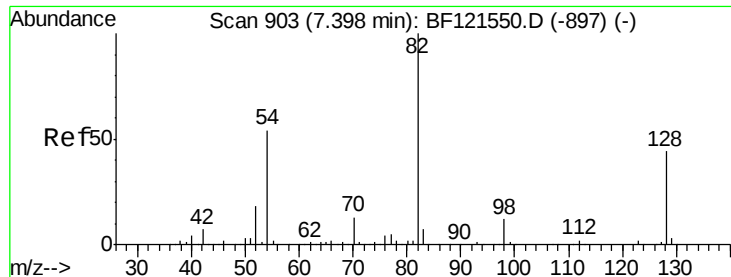
Delta R.T. 0.00 min

Lab File: BF121717.D

Acq: 28 Sep 2020 17:42

Tgt Ion:	136	Resp:	561592
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	8.9	7.5	11.3
68	6.6	5.5	8.3





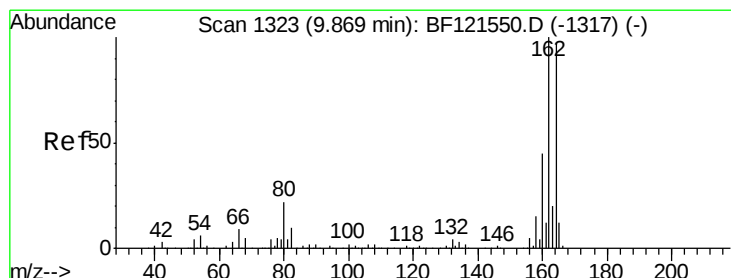
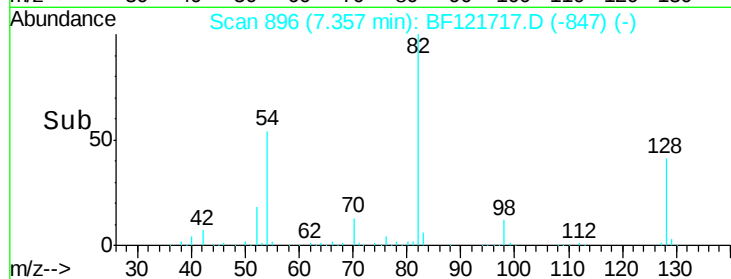
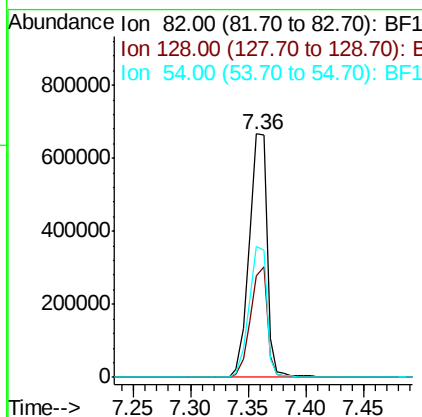
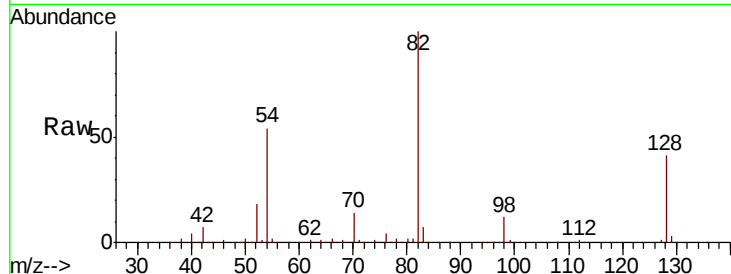
#23
Nitrobenzene-d5
Concen: 68.848 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Instrument :
BNA_F
ClientSampled :
B-4(5-7)

Tot Ion	82	Resp	720122
Ion Ratio	Lower	Upper	
82	100		
128	41.5	35.8	53.6
54	53.6	42.6	63.8

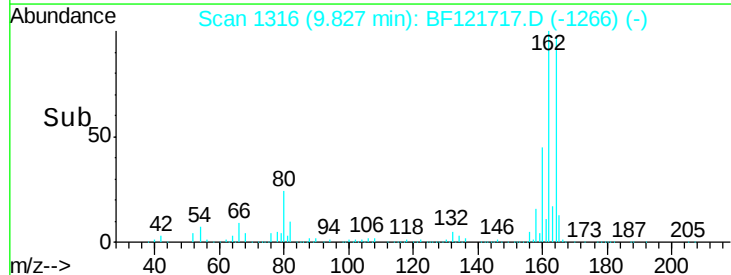
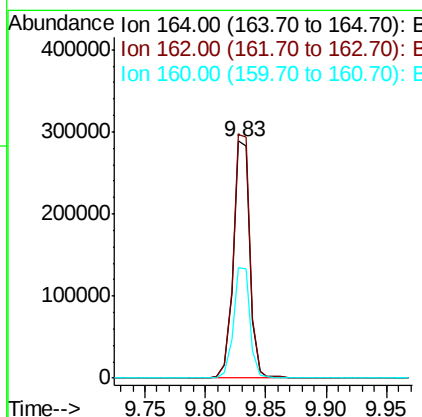
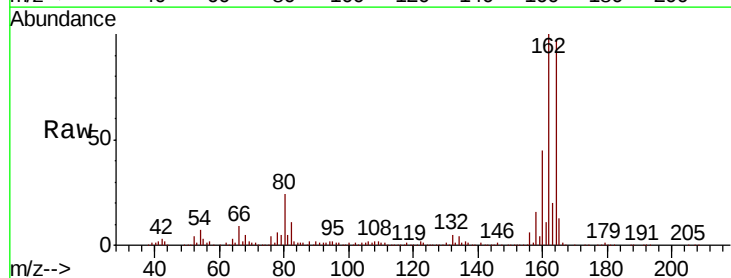
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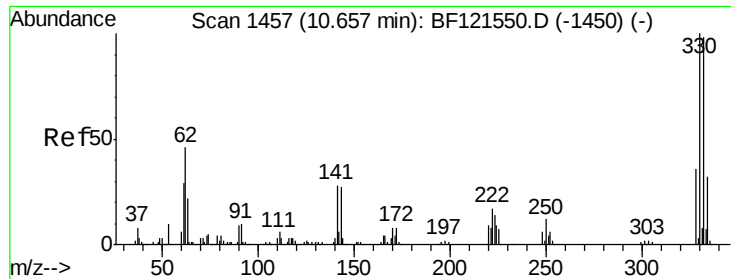
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Tgt Ion	164	Resp	276583
Ion Ratio	Lower	Upper	
164	100		
162	102.7	82.1	123.1
160	46.5	36.8	55.2





#42

2,4,6-Tribromophenol

Concen: 8.796 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF121717.D

Acq: 28 Sep 2020 17:42

Instrument :

BNA_F

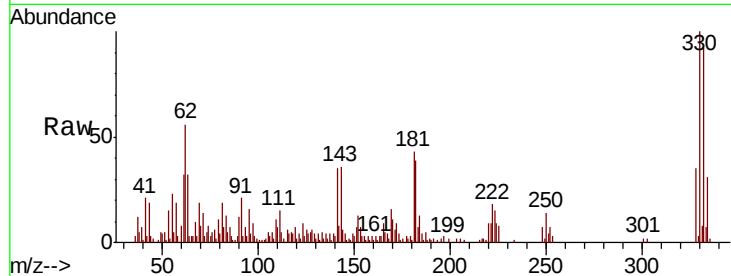
ClientSampleId :

B-4(5-7)

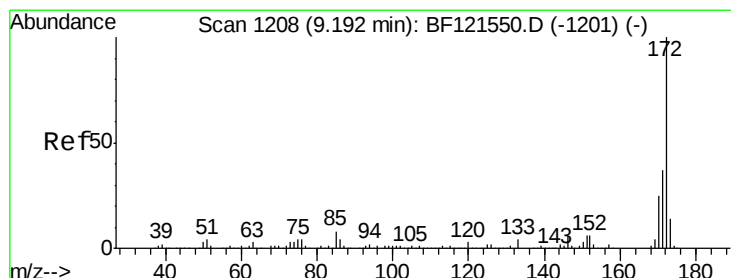
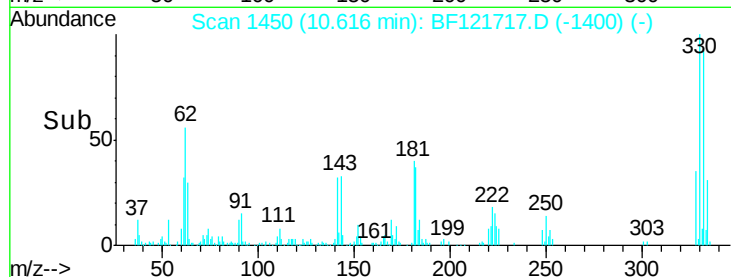
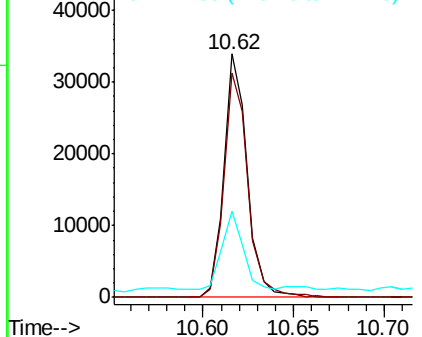
Tot Ion:	330	Resp:	30238
Ion Ratio	Lower	Upper	
330	100		
332	94.5	76.0	114.0
141	29.7	22.2	33.4

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



#45

2-Fluorobiphenyl

Concen: 67.415 ng

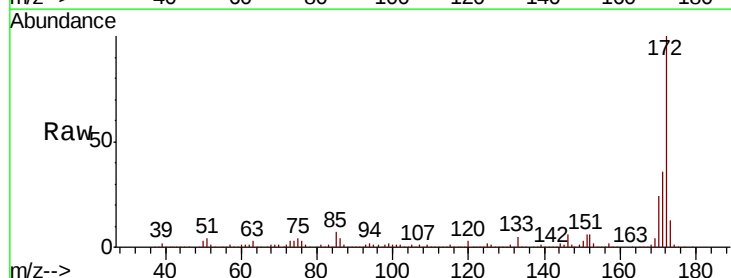
RT: 9.16 min Scan# 1202

Delta R.T. 0.00 min

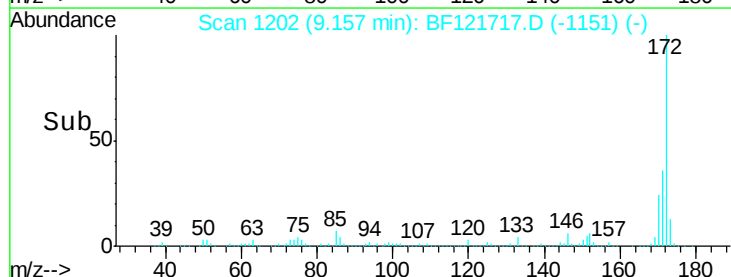
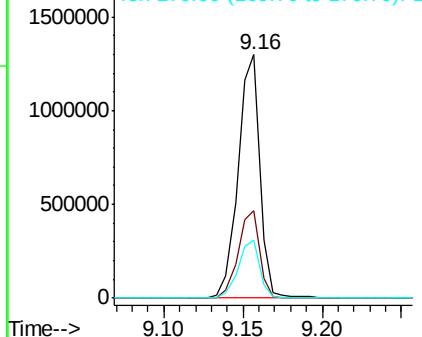
Lab File: BF121717.D

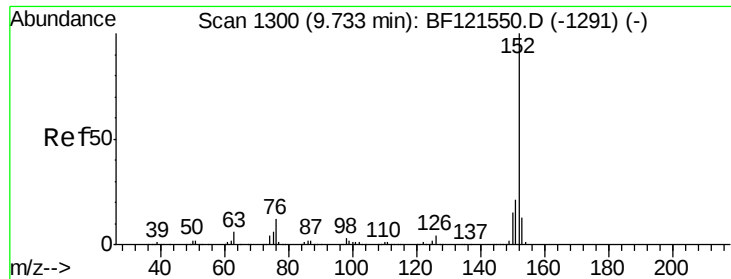
Acq: 28 Sep 2020 17:42

Tgt Ion:	172	Resp:	1231122
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.0	43.6
170	24.1	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





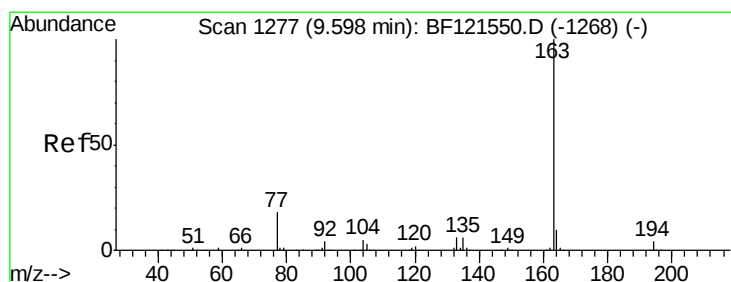
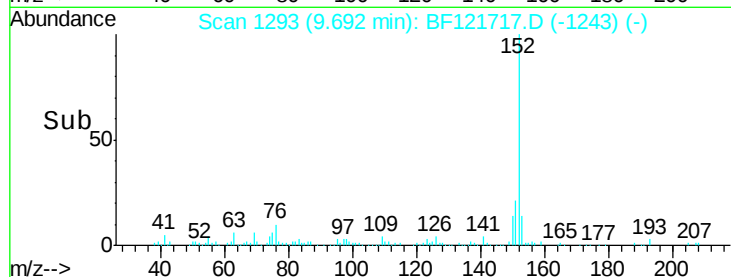
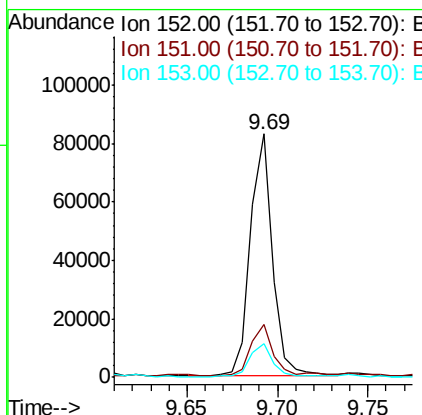
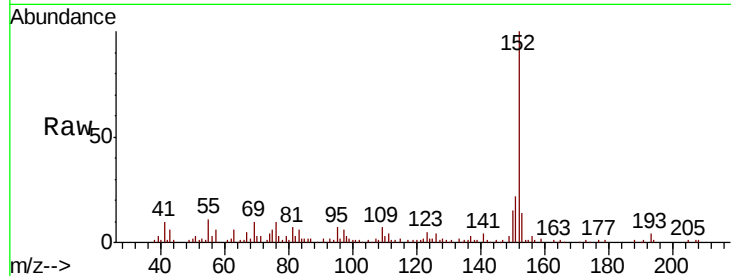
#49
Acenaphthylene
Concen: 2.613 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Instrument :
BNA_F
ClientSampled :
B-4(5-7)

Tot Ion:	152	Resp:	70055
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.5	24.7
153	13.6	10.6	16.0

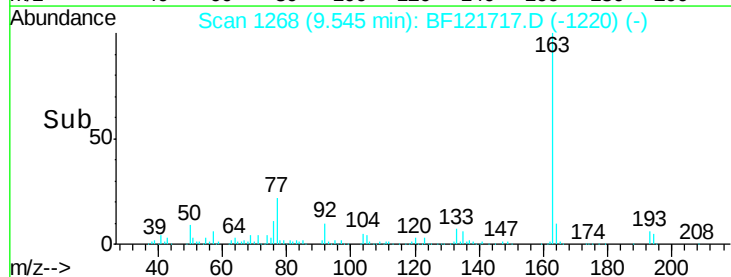
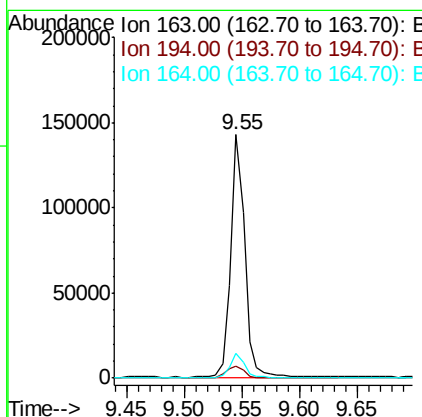
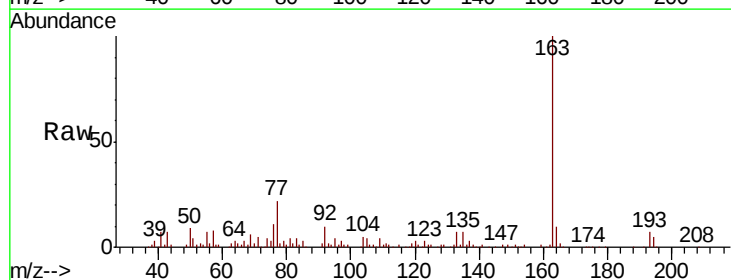
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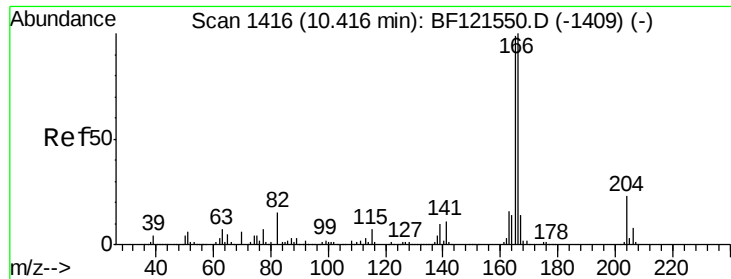
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#50
Dimethylphthalate
Concen: 6.023 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Tgt Ion:	163	Resp:	120733
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.4	5.0
164	10.0	8.2	12.2





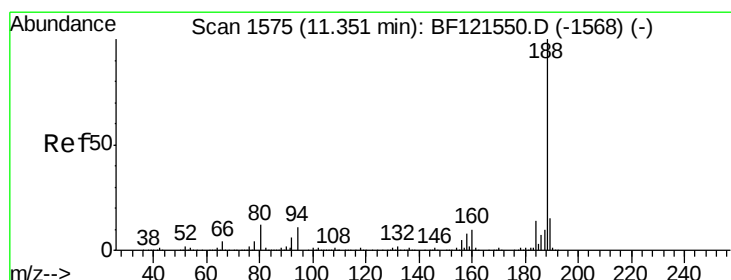
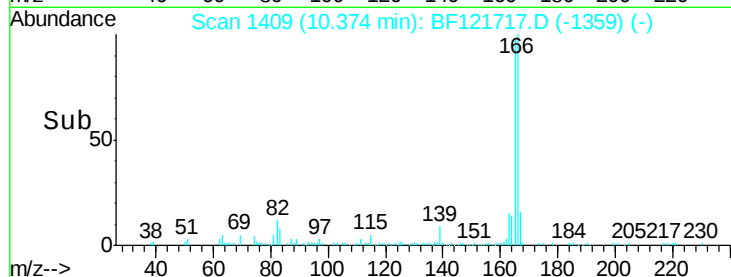
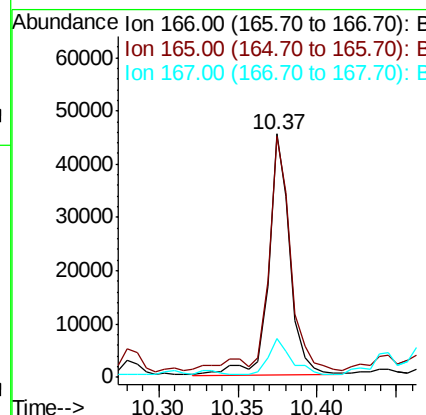
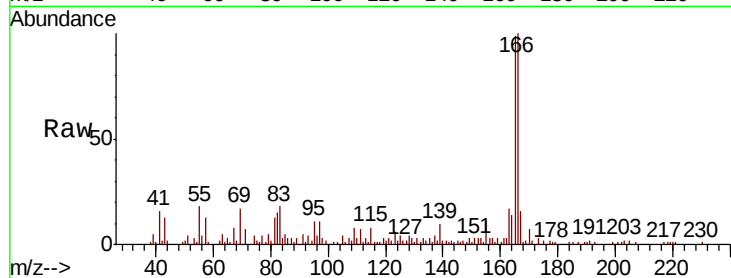
#58
 Fluorene
 Concen: 2.315 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 B-4(5-7)

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.8	118.2
167	15.8	11.0	16.4

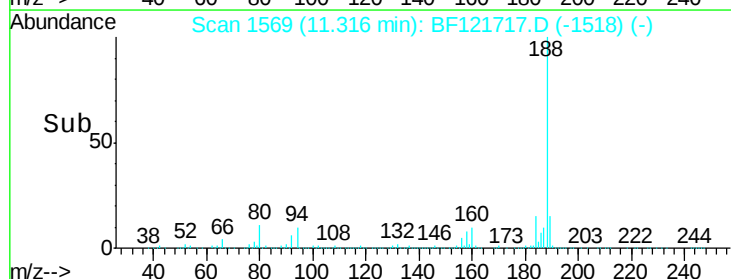
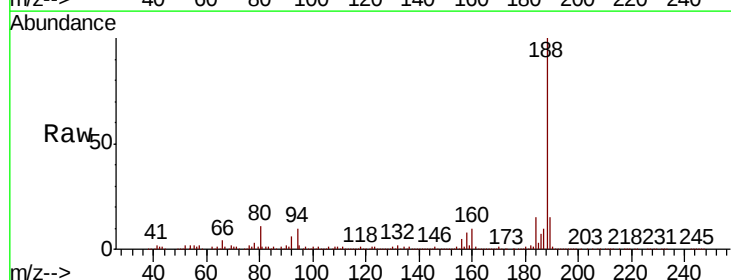
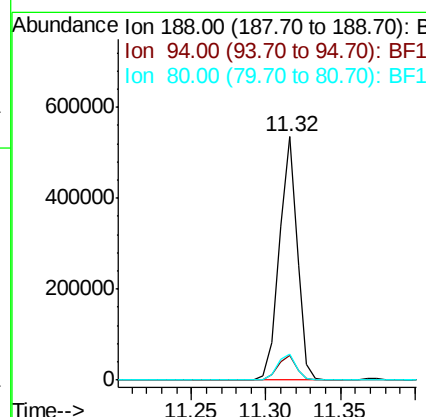
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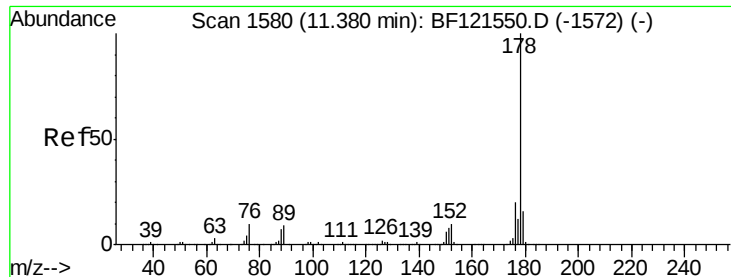
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.4	12.6
80	10.9	9.3	13.9





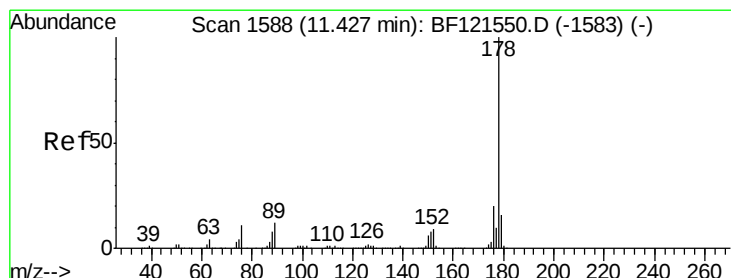
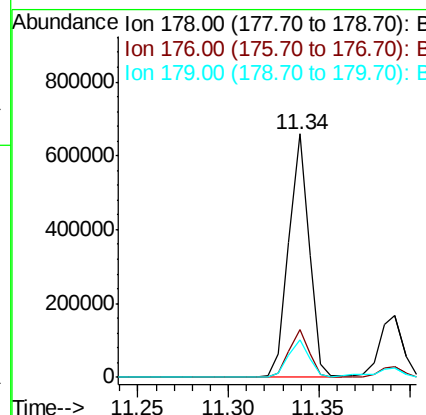
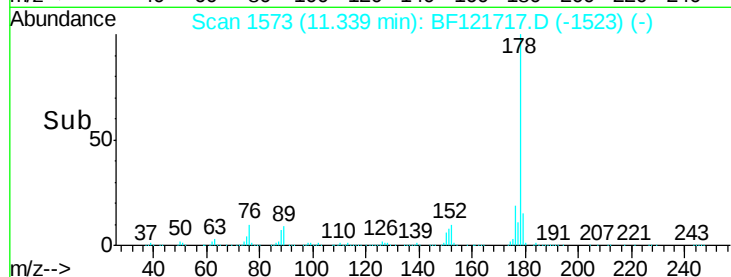
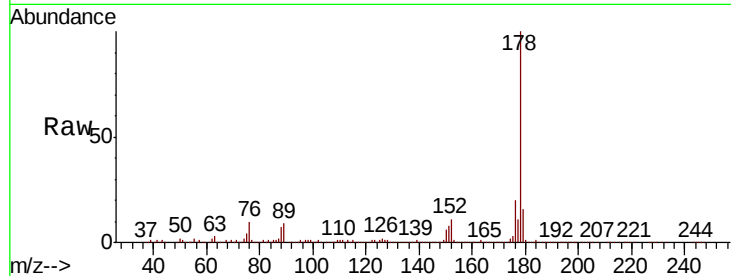
#71
Phenanthrene
Concen: 21.317 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Instrument :
BNA_F
ClientSampleId :
B-4(5-7)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.5	12.5	18.7

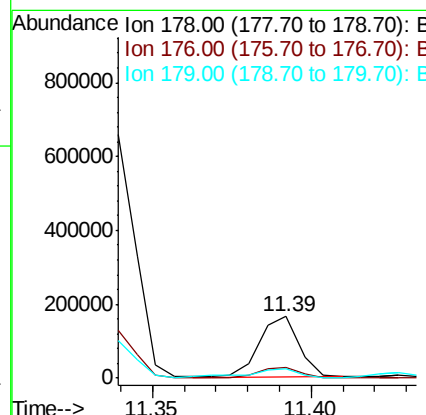
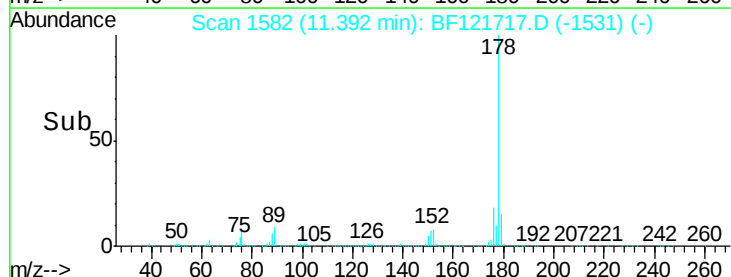
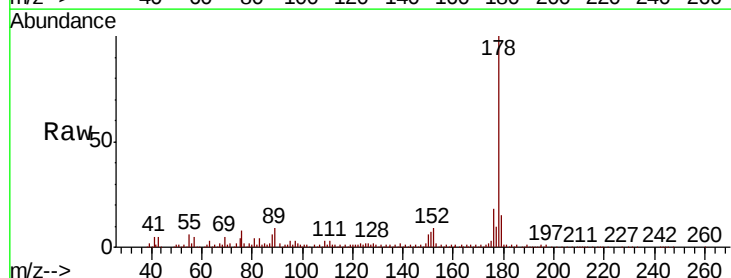
Manual Integrations
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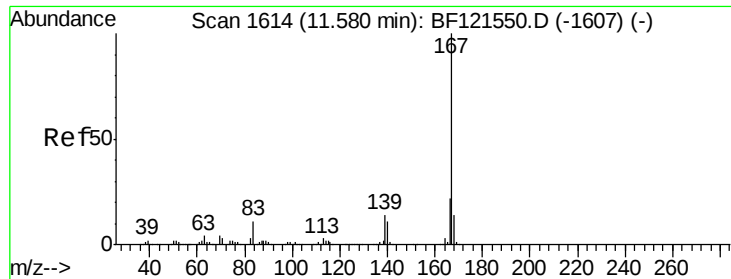
mohammad
9/29/2020 3:24:53 PM



#72
Anthracene
Concen: 5.677 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.4	12.7	19.1





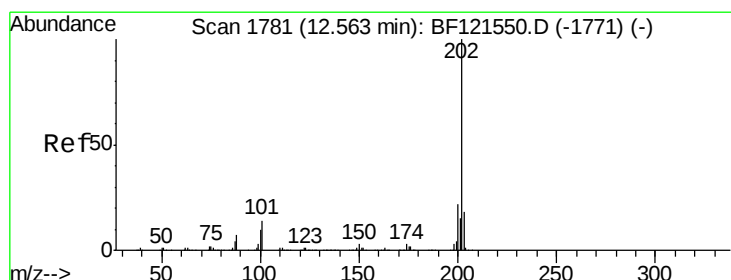
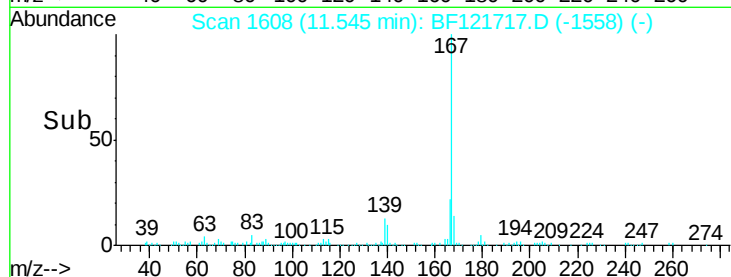
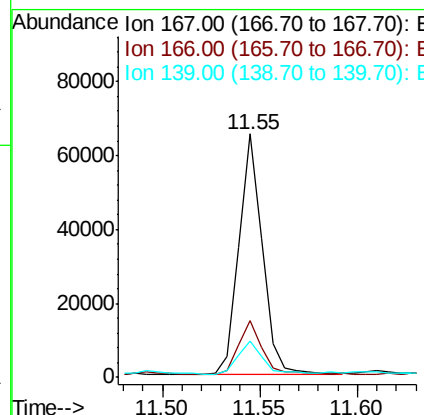
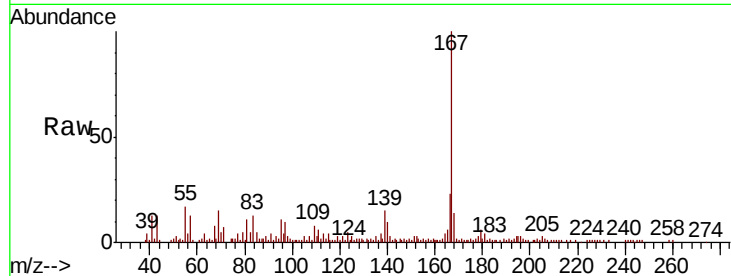
#73
 Carbazole
 Concen: 2.395 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 B-4(5-7)

Tot Ion:	167	Resp:	54273
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.6	26.4
139	14.7	10.7	16.1

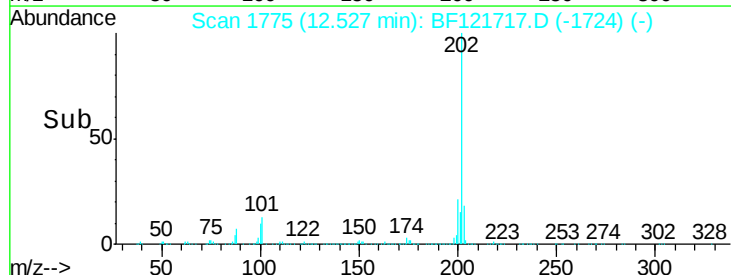
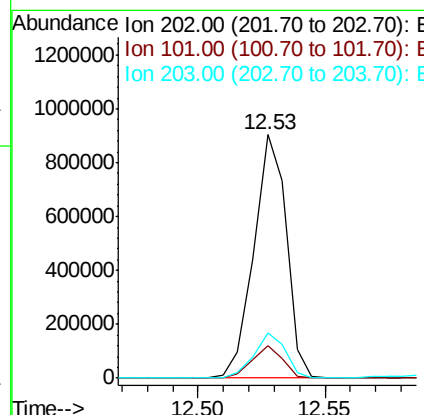
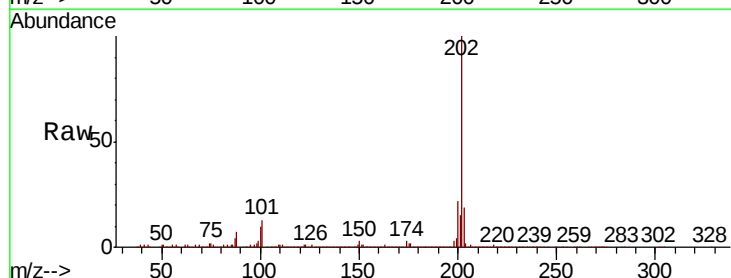
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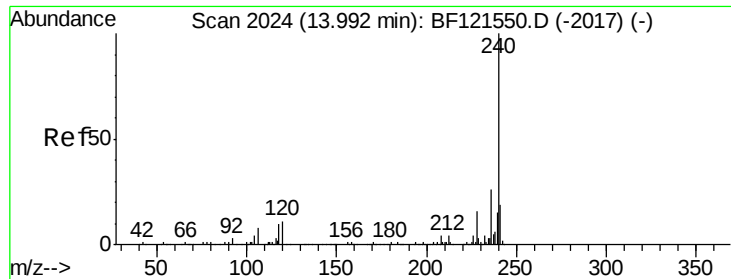
mohammad
 9/29/2020 3:24:53 PM



#75
 Fluoranthene
 Concen: 31.088 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Tgt Ion:	202	Resp:	807652
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.7
203	18.5	0.0	38.5





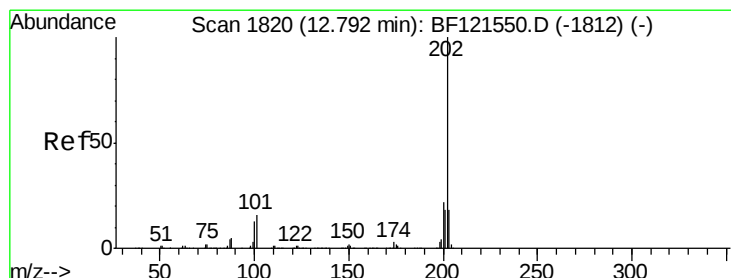
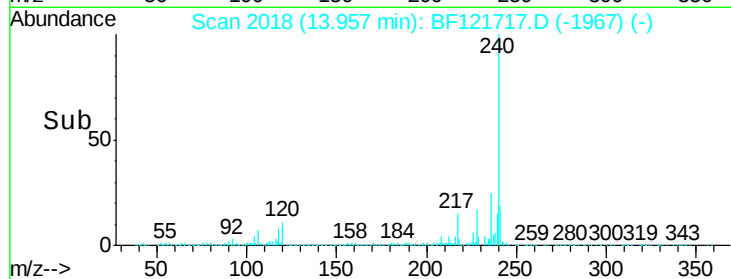
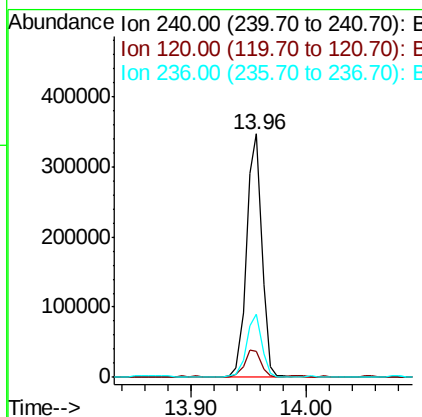
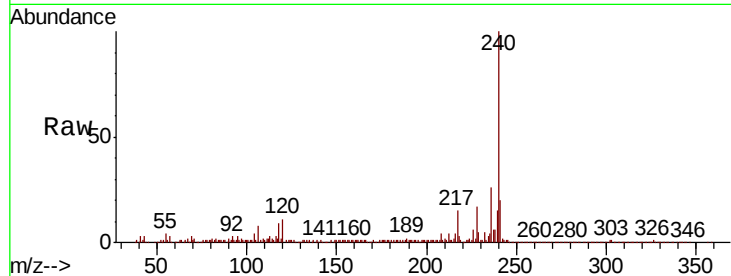
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Instrument :
BNA_F
ClientSampleId :
B-4(5-7)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.8	9.1	13.7		
236	25.7	20.6	30.8		

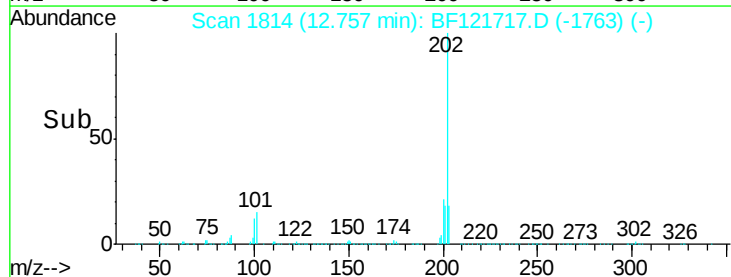
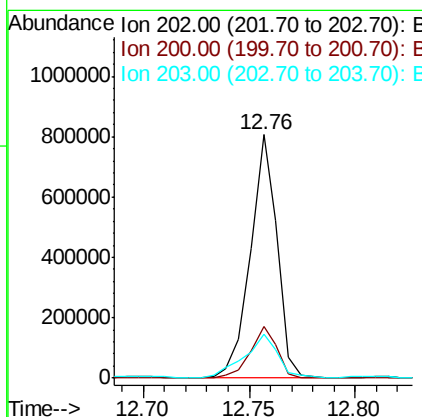
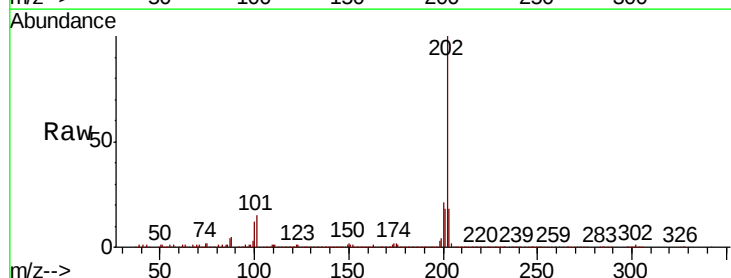
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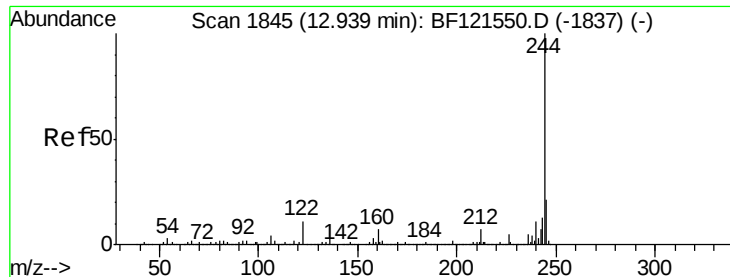
mohammad
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#78
Pyrene
Concen: 30.509 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.4	17.8	26.8		
203	17.8	14.3	21.5		





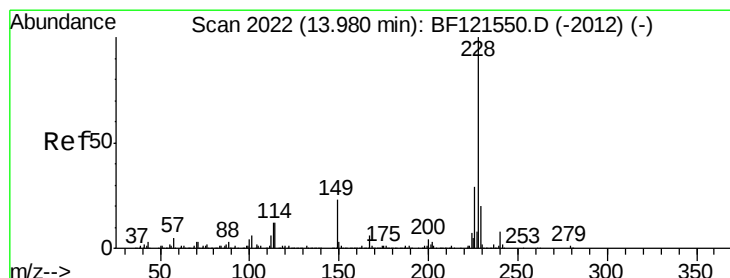
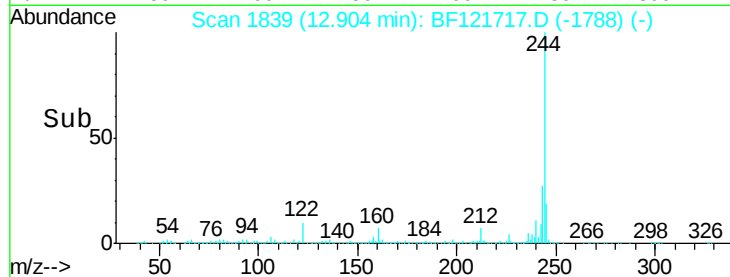
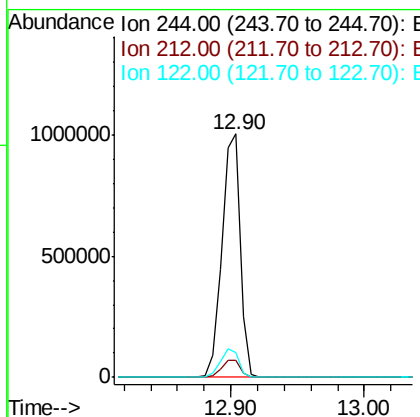
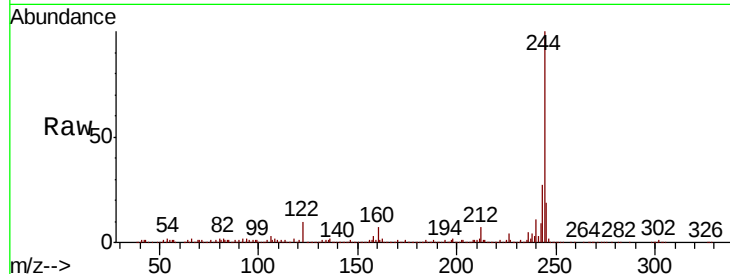
#79
 Terphenyl-d14
 Concen: 62.477 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Instrument :
 BNA_F
 ClientSampled :
 B-4(5-7)

Tot Ion:	244	Resp:	976427
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.6	8.4
122	10.1	8.0	12.0

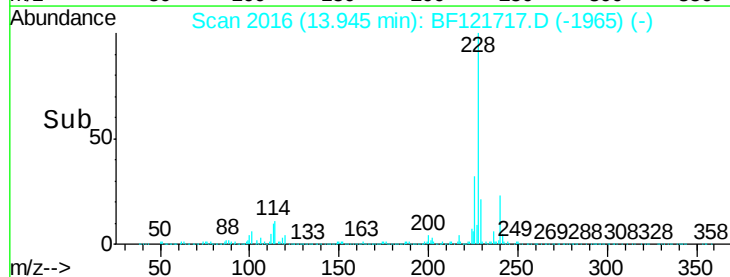
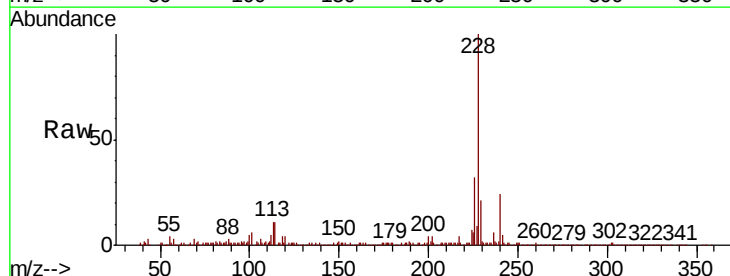
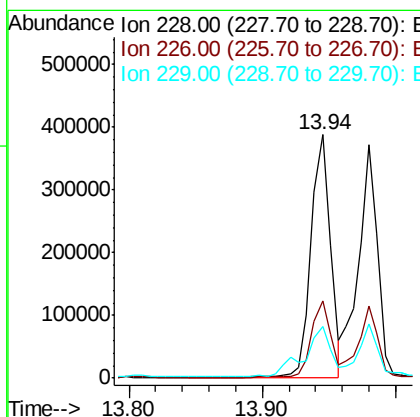
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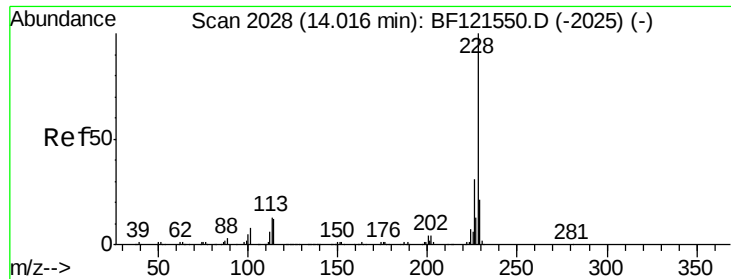
mohammad
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#81
 Benzo(a)anthracene
 Concen: 19.210 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Tgt Ion:	228	Resp:	384801
Ion Ratio	Lower	Upper	
228	100		
226	32.0	22.5	33.7
229	21.2	16.2	24.4





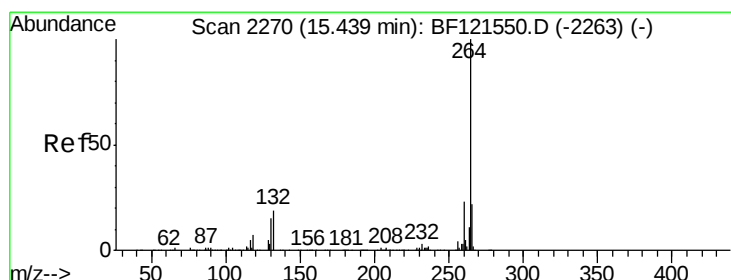
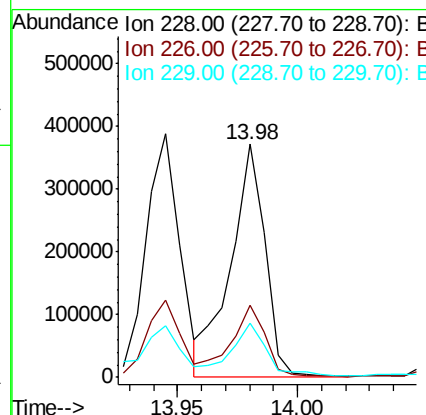
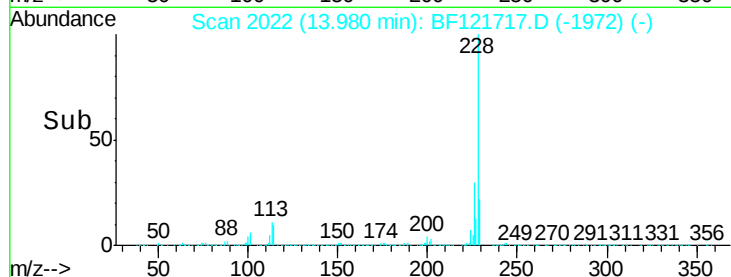
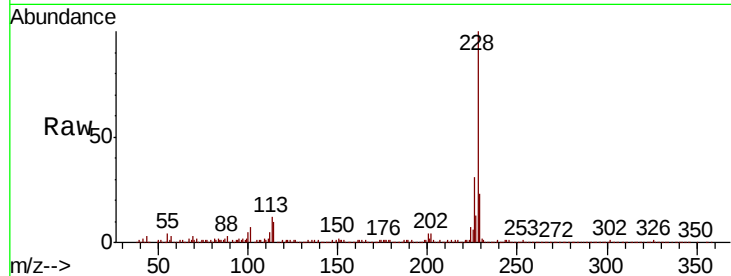
#83
 Chrysene
 Concen: 18.522 ng/mL
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Instrument :
 BNA_F
 ClientSampleID :
 B-4(5-7)

Tot Ion:	228	Resp:	375696
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.4
229	23.1	16.0	24.0

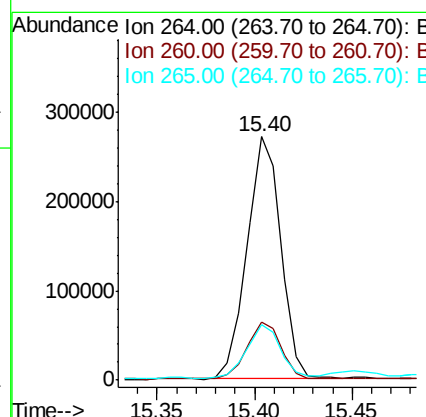
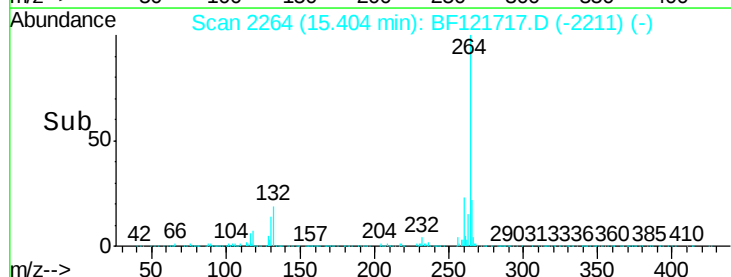
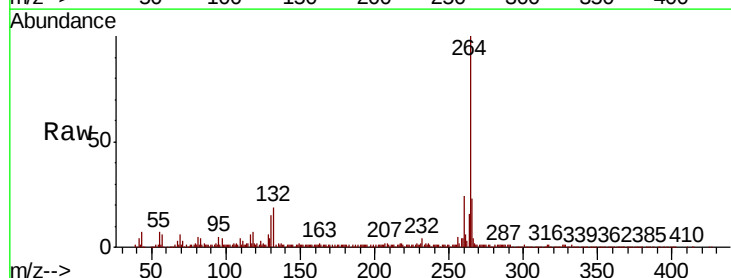
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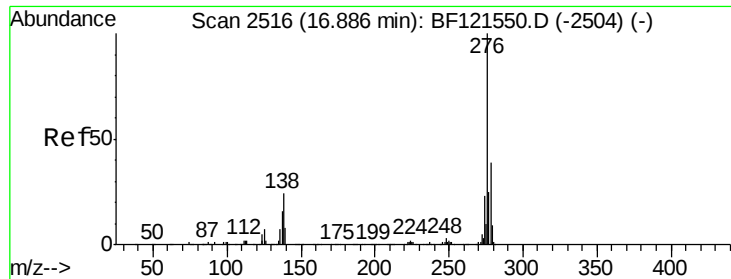
mohammad
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#86
 Perylene-d12
 Concen: 20.000 ng/mL
 RT: 15.40 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Tgt Ion:	264	Resp:	326387
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.4	27.6
265	22.8	17.2	25.8





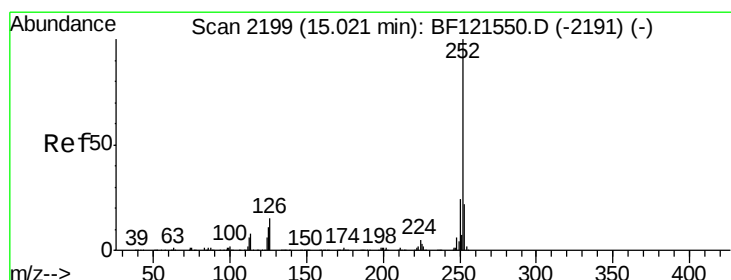
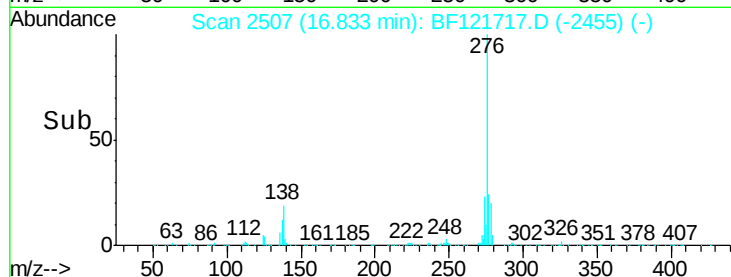
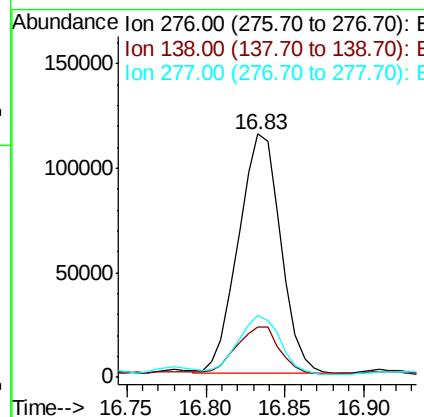
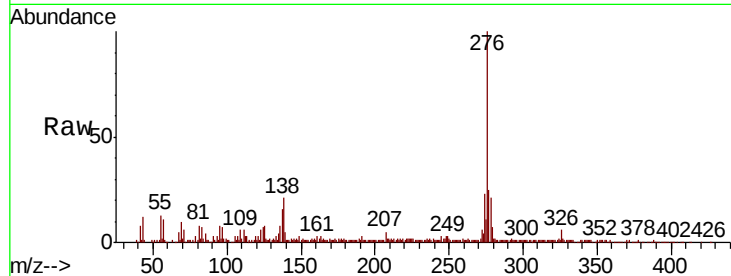
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.015 ng
 RT: 16.83 min Scan# 2507
 Delta R.T. 0.01 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 B-4(5-7)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.5	29.3
277	25.0	20.2	30.4

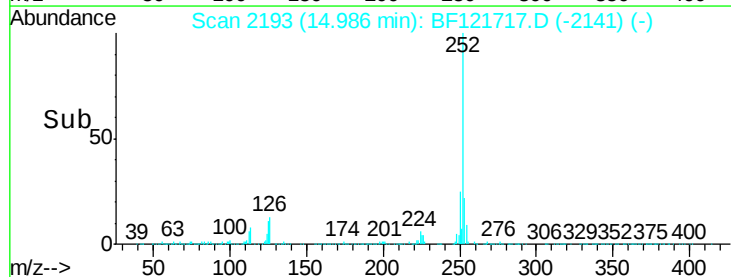
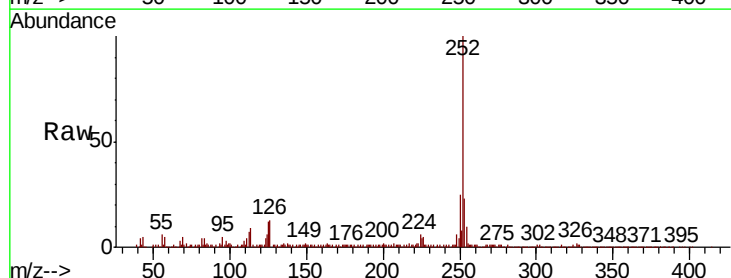
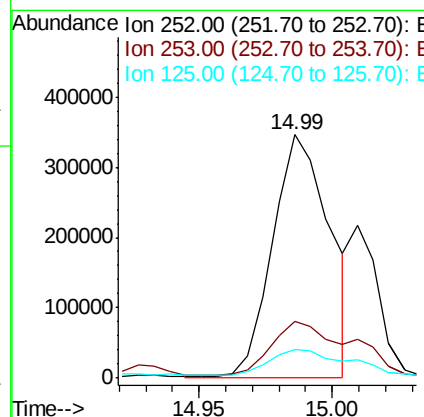
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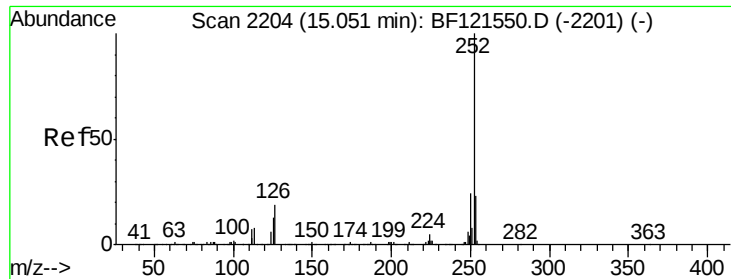
mohammad
 9/29/2020 3:24:53 PM



#88
 Benzo(b)fluoranthene
 Concen: 23.752 ng m
 RT: 14.99 min Scan# 2193
 Delta R.T. 0.01 min
 Lab File: BF121717.D
 Acq: 28 Sep 2020 17:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	12.0	8.6	13.0





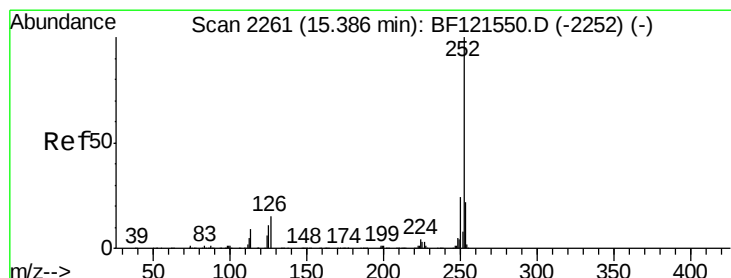
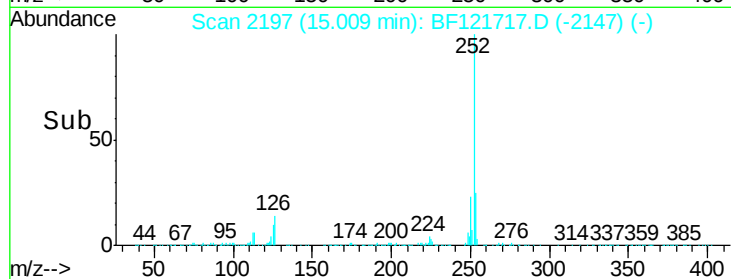
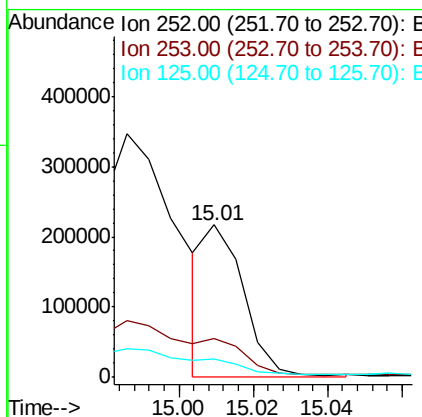
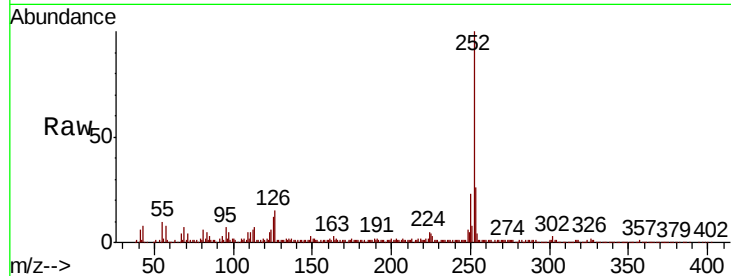
#89
Benzo(k)fluoranthene
Concen: 8.049 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Instrument :
BNA_F
ClientSampleId :
B-4(5-7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.6	26.4
125	12.2	7.1	10.7

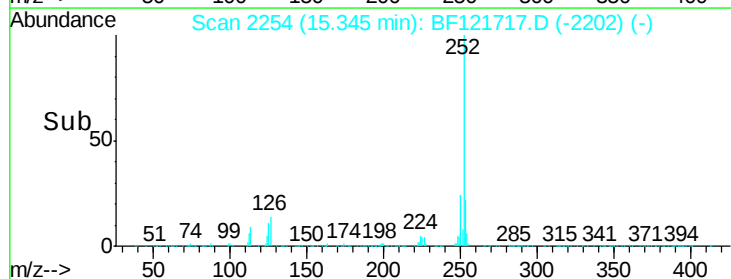
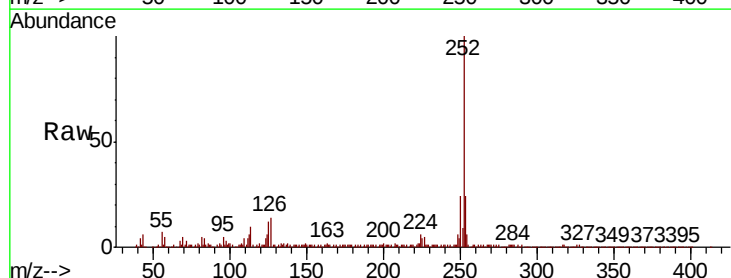
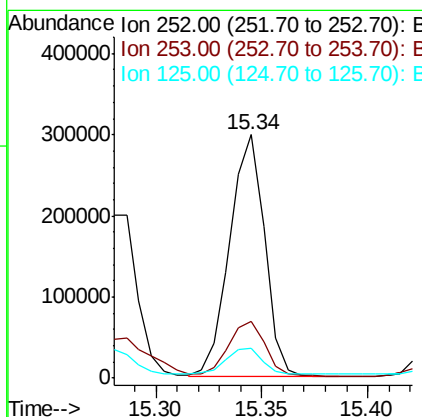
Manual Integrations
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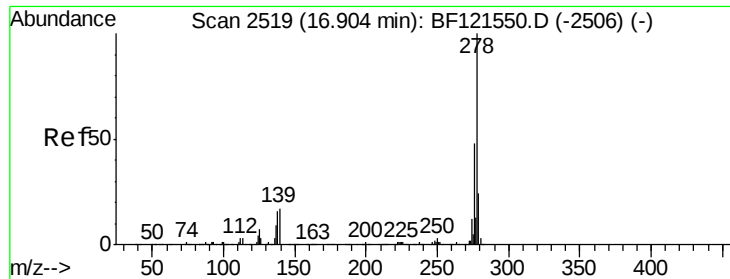
mohammad
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#90
Benzo(a)pyrene
Concen: 18.468 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	12.2	9.2	13.8





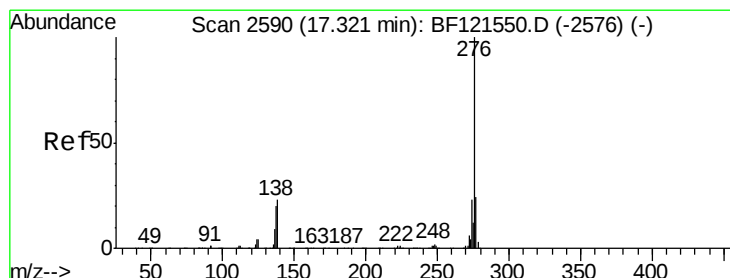
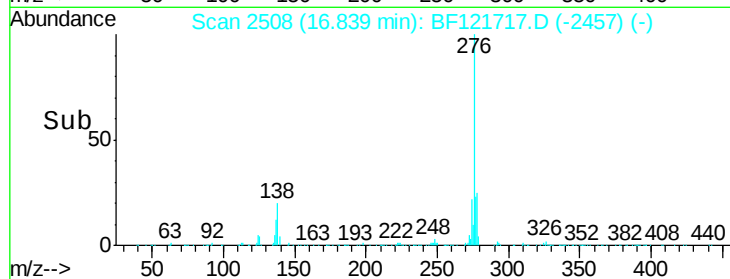
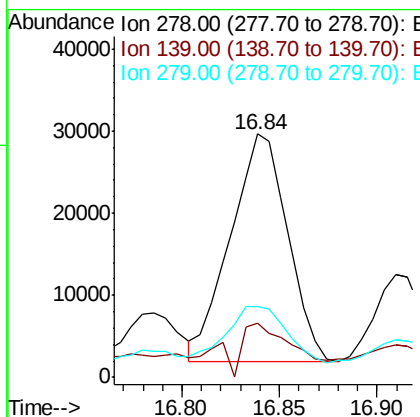
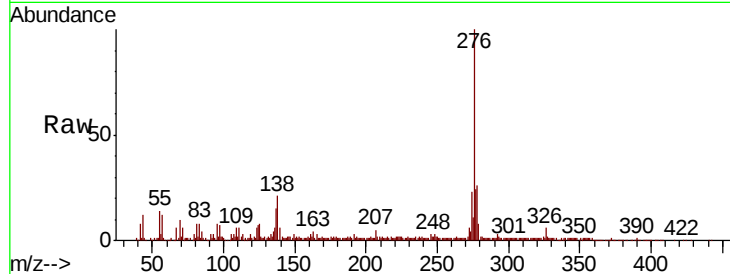
#91
Dibenzo(a,h)anthracene
Concen: 3.187 ng
RT: 16.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Instrument :
BNA_F
ClientSampleId :
B-4(5-7)

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.1	13.0	19.4#
279	29.4	19.3	28.9#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 10.998 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.01 min
Lab File: BF121717.D
Acq: 28 Sep 2020 17:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.8	28.2
138	21.3	16.6	25.0

