

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121711.D
 Acq On : 28 Sep 2020 14:36
 Operator : JU/CG
 Sample : L4154-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1(13-15)

Manual Integrations
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Quant Time: Sep 28 15:23:16 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	153822	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	593581	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	303028	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	559149	20.00	ng	0.00
76) Chrysene-d12	13.96	240	359888	20.00	ng	0.00
86) Perylene-d12	15.40	264	363348	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	799309	77.22	ng	0.00
7) Phenol-d6	6.43	99	1018520	75.01	ng	0.00
23) Nitrobenzene-d5	7.36	82	703163	63.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	307824	81.73	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1133914	56.67	ng	0.00
79) Terphenyl-d14	12.90	244	1083200	60.98	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.10	128	104152	3.324	ng	100
49) Acenaphthylene	9.69	152	93879	3.196	ng	98
50) Dimethylphthalate	9.55	163	136467	6.213	ng	# 99
52) Acenaphthene	9.86	154	80469	4.337	ng	97
55) Dibenzofuran	10.03	168	94658	3.623	ng	96
58) Fluorene	10.37	166	111177	5.565	ng	99
71) Phenanthrene	11.34	178	1485582	48.764	ng	100
72) Anthracene	11.39	178	393954	12.531	ng	99
73) Carbazole	11.54	167	140194	4.942	ng	100
75) Fluoranthene	12.53	202	1963698	60.383	ng	99
78) Pyrene	12.76	202	1803242	68.579	ng	99
81) Benzo(a)anthracene	13.94	228	909549	39.948	ng	97
83) Chrysene	13.98	228	740022	32.097	ng	97
87) Indeno(1,2,3-cd)pyrene	16.83	276	522108	22.065	ng	95
88) Benzo(b)fluoranthene	14.99	252	986386m	40.608	ng	
89) Benzo(k)fluoranthene	15.01	252	299910m	13.483	ng	
90) Benzo(a)pyrene	15.34	252	715174	34.637	ng	97
91) Dibenzo(a,h)anthracene	16.83	278	137192	6.965	ng	93
92) Benzo(a,h,i)perylene	17.26	276	484527	25.025	ng	99

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

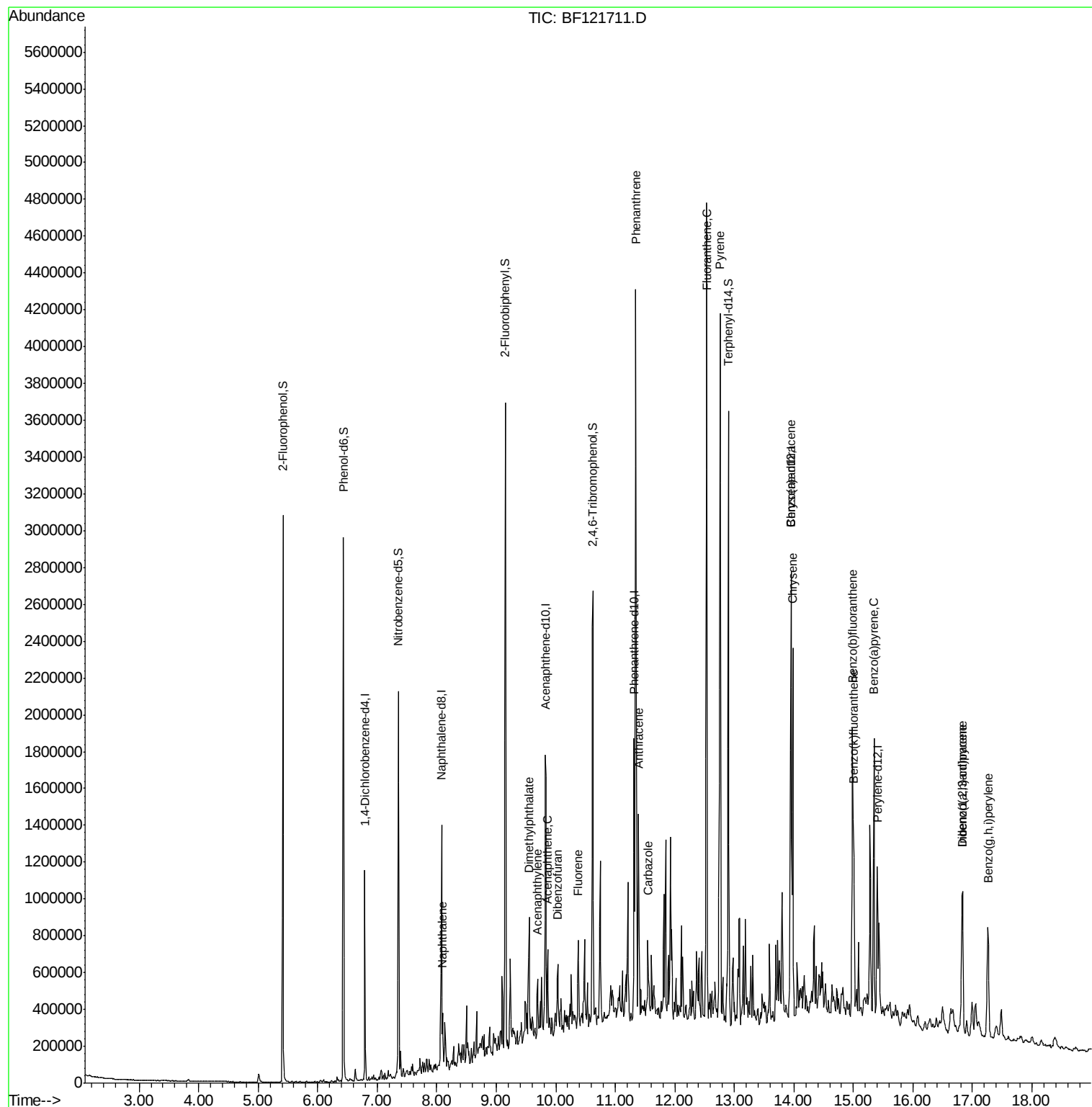
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

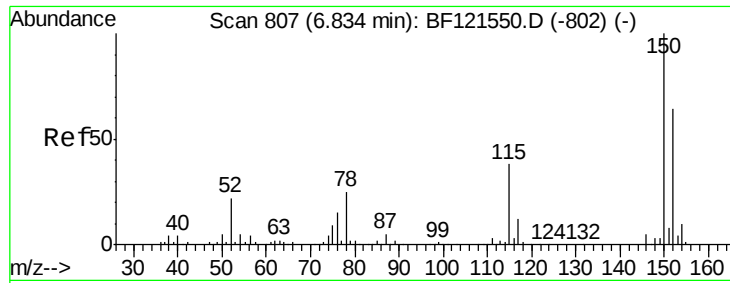
Instrument :
BNA_F
ClientSampleId :
B-1(13-15)

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Quant Time: Sep 28 15:23:16 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: BF121711.D

Acq: 28 Sep 2020 14:36

Instrument :

BNA_F

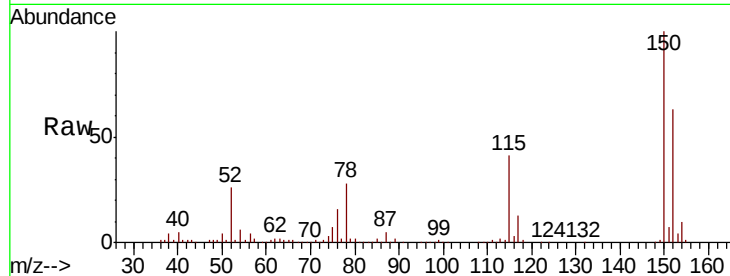
ClientSampleId :

B-1(13-15)

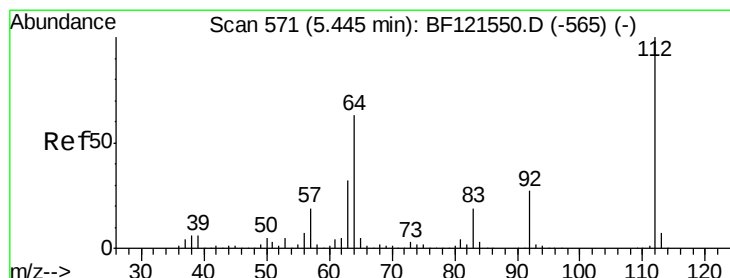
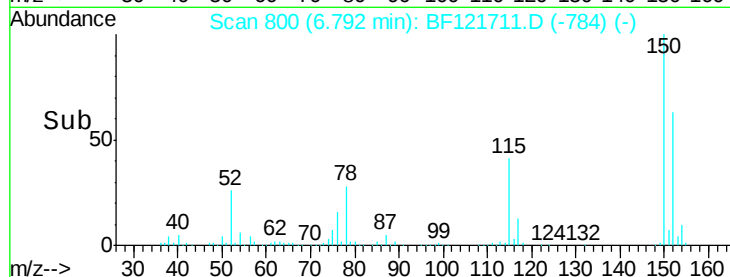
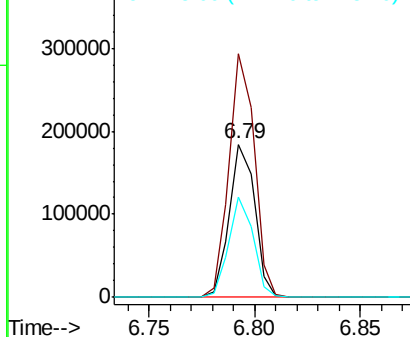
Tot Ion:	152	Resp:	153822
Ion Ratio	Lower	Upper	
152	100		
150	159.0	122.6	184.0
115	65.1	47.1	70.7

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 77.224 ng

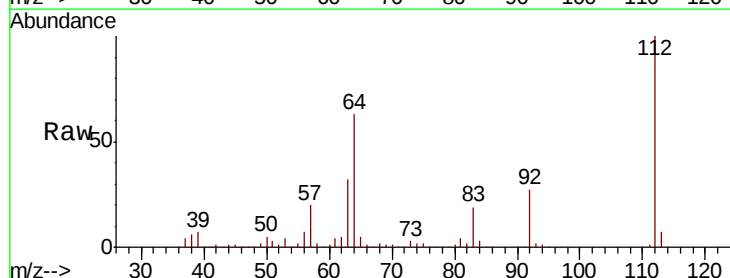
RT: 5.42 min Scan# 566

Delta R.T. -0.00 min

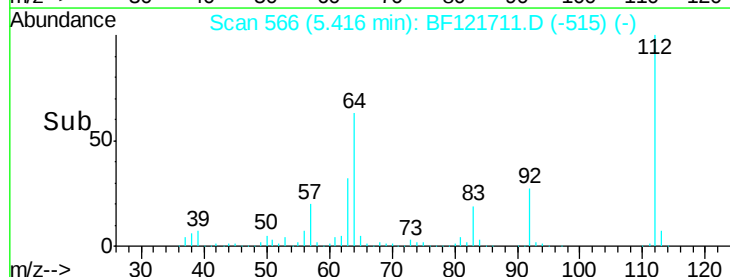
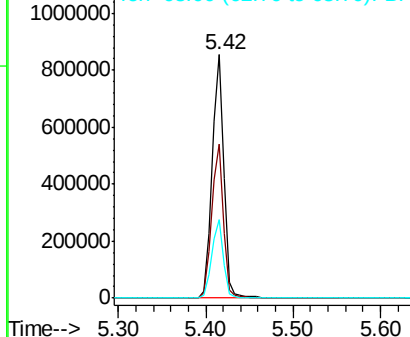
Lab File: BF121711.D

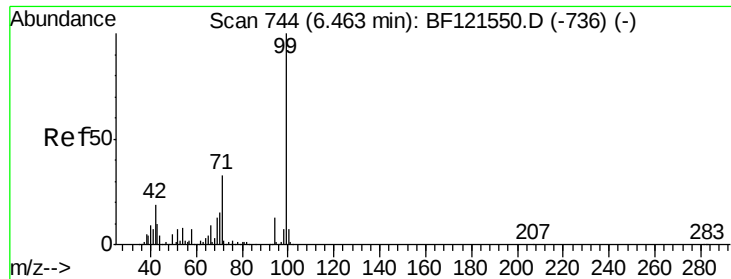
Acq: 28 Sep 2020 14:36

Tgt Ion:	112	Resp:	799309
Ion Ratio	Lower	Upper	
112	100		
64	63.1	49.5	74.3
63	32.2	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: 75.005 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121711.D

Acq: 28 Sep 2020 14:36

Instrument :

BNA_F

ClientSampled :

B-1(13-15)

Tot Ion: 99 Resp: 1018520

Ion Ratio Lower Upper

99 100

42 19.5 16.1 24.1

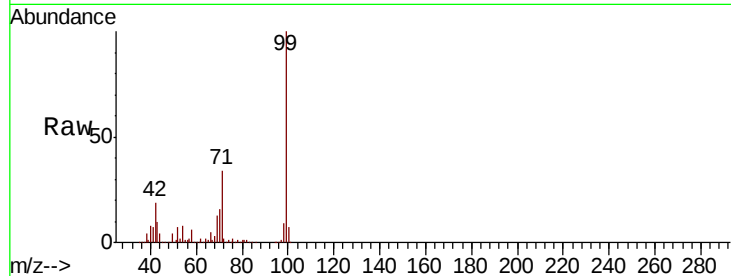
71 34.3 27.6 41.4

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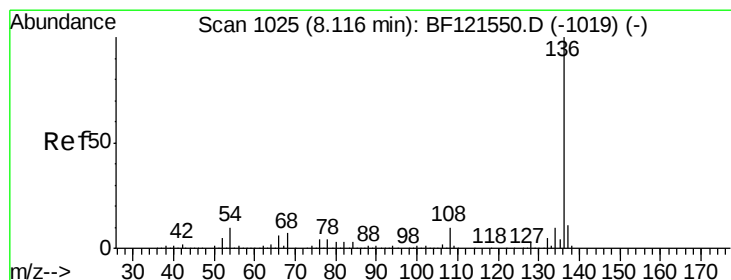
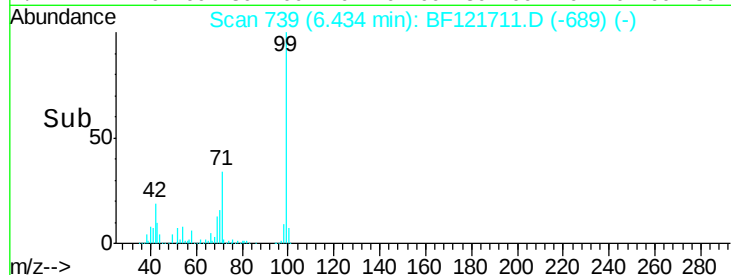
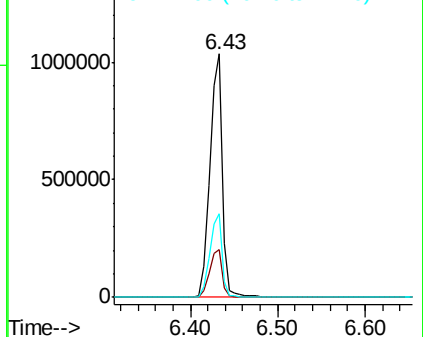
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BF121711.D

Acq: 28 Sep 2020 14:36

Tgt Ion: 136 Resp: 593581

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.7 7.5 11.3

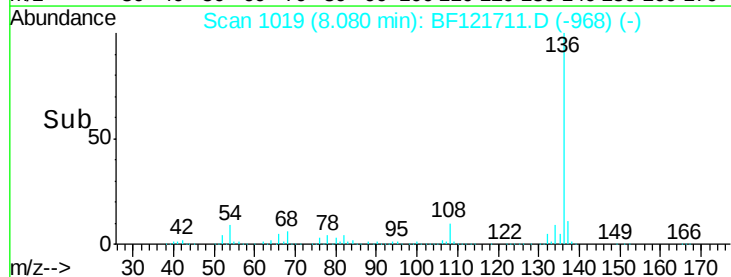
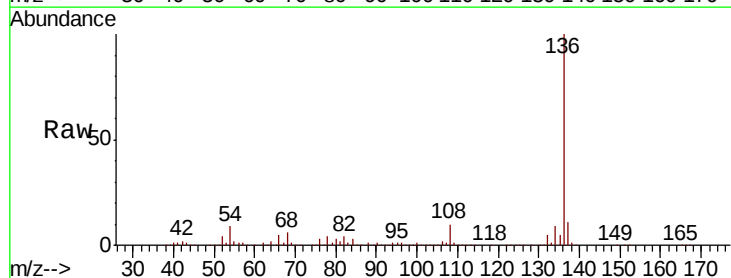
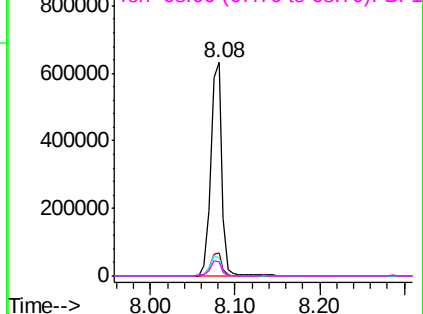
68 6.5 5.5 8.3

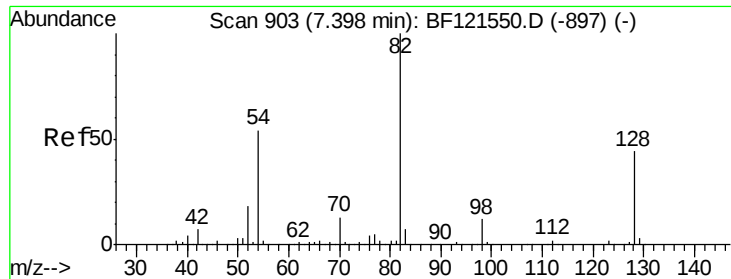
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





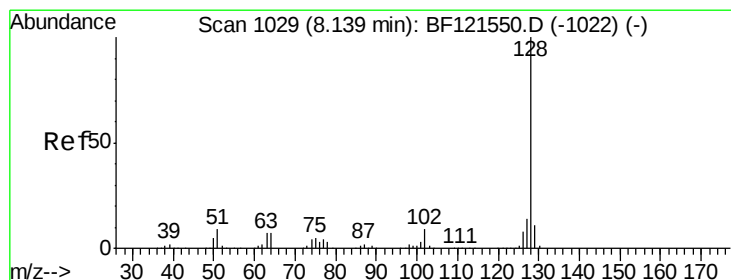
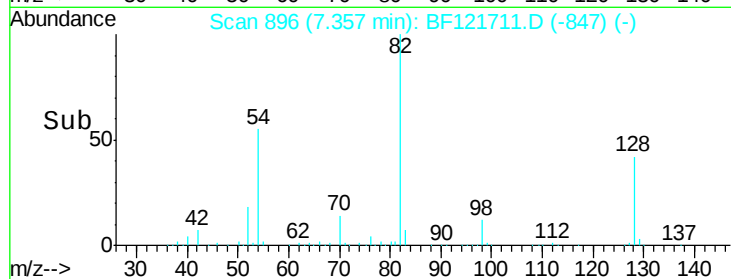
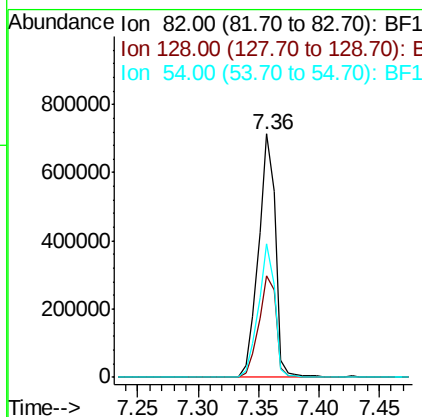
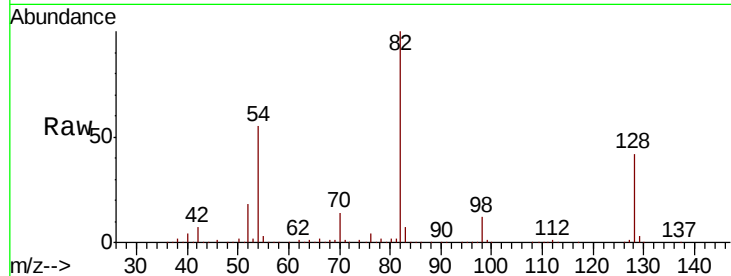
#23
Nitrobenzene-d5
Concen: 63.604 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Instrument :
BNA_F
ClientSampleId :
B-1(13-15)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	35.8	53.6
54	54.7	42.6	63.8

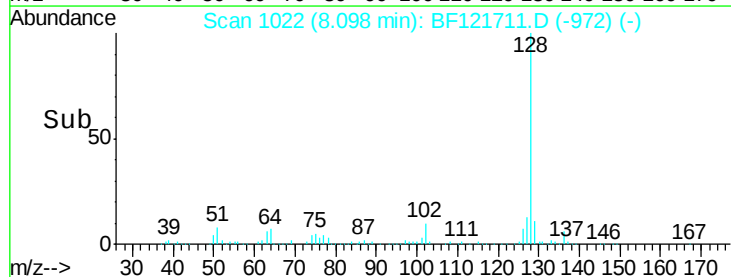
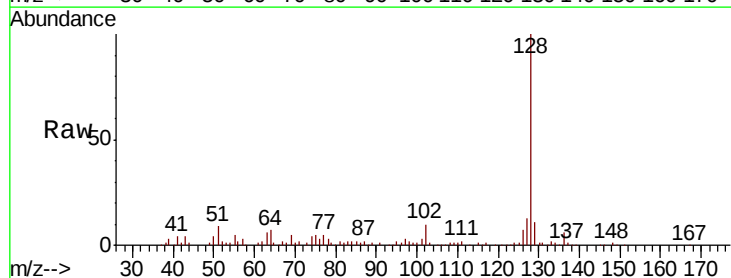
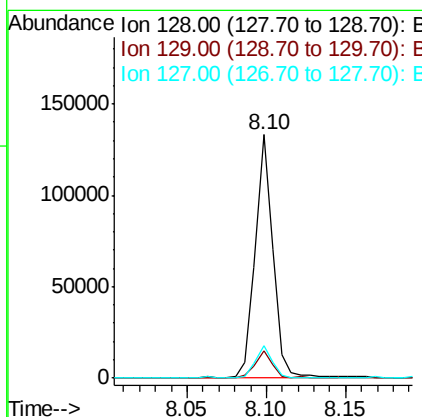
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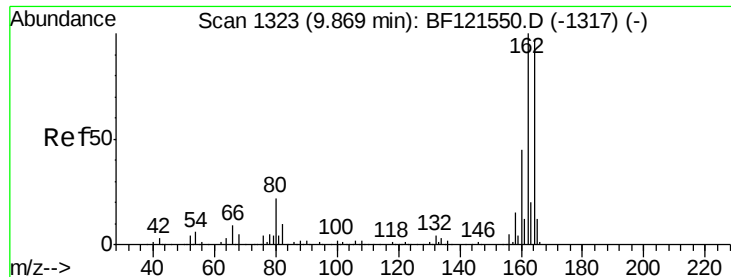
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#31
Naphthalene
Concen: 3.324 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.3	10.8	16.2





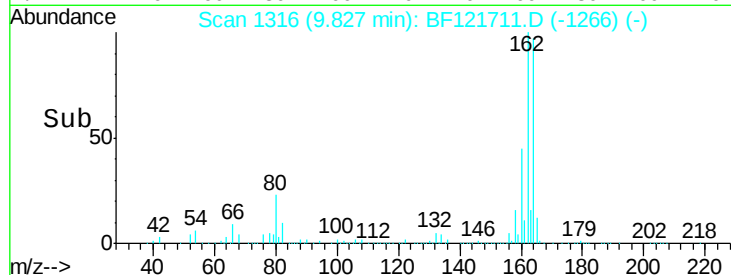
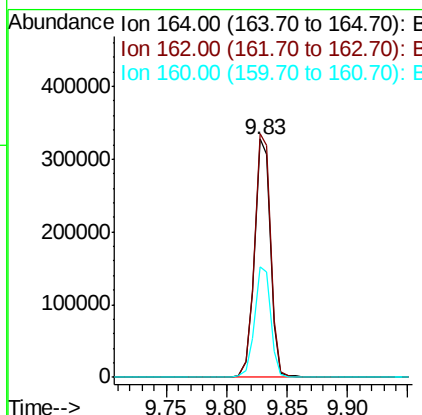
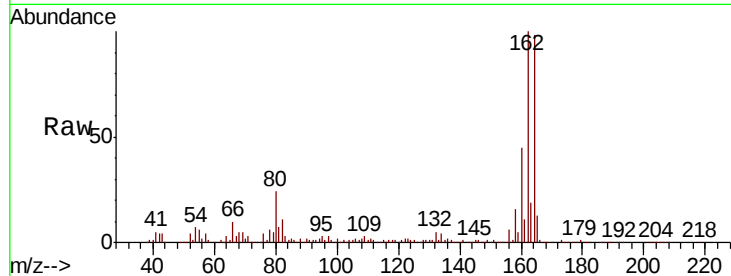
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF121711.D
 Acq: 28 Sep 2020 14:36

Instrument :
 BNA_F
 ClientSampleId :
 B-1(13-15)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	82.1	123.1	
160	46.2	36.8	55.2	

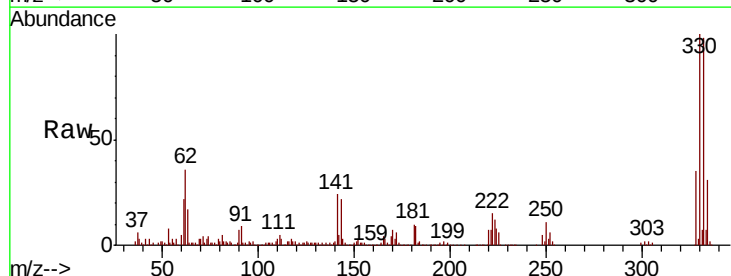
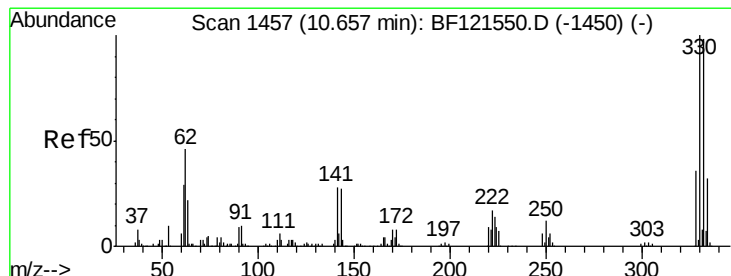
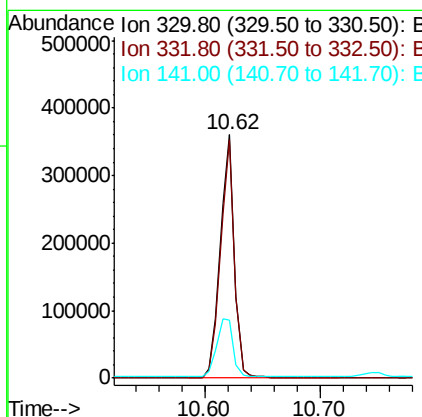
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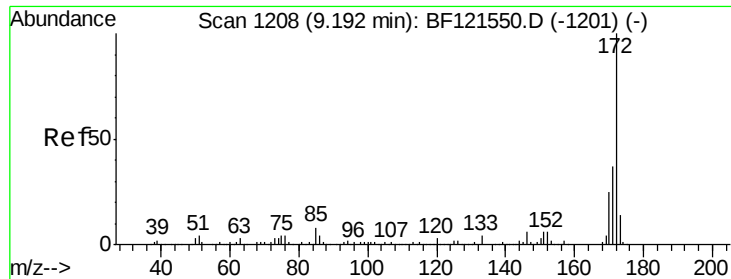
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#42
 2,4,6-Tribromophenol
 Concen: 81.733 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF121711.D
 Acq: 28 Sep 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.0	114.0	
141	28.1	22.2	33.4	





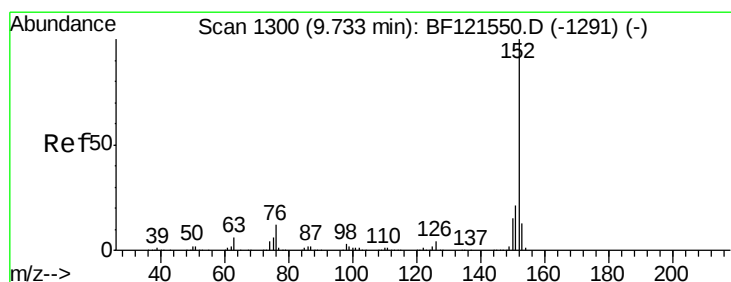
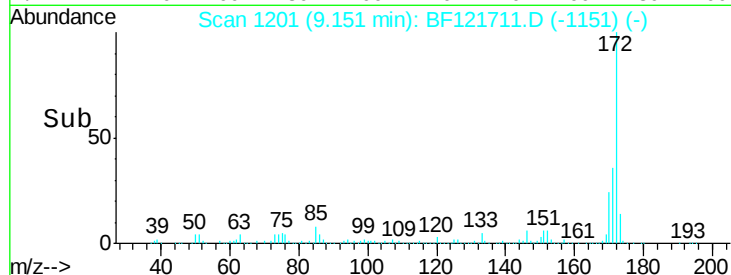
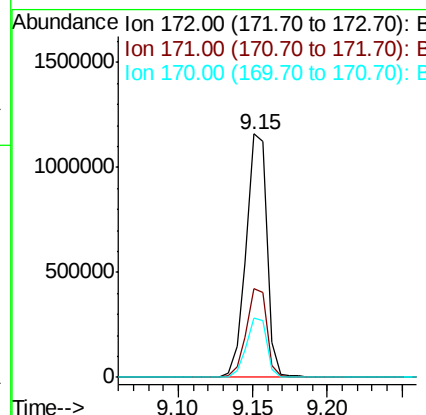
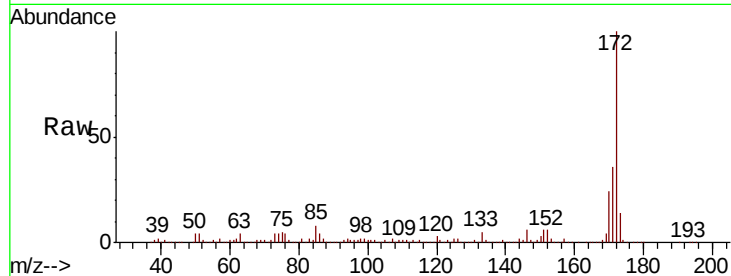
#45
2-Fluorobiphenyl
Concen: 56.673 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Instrument :
BNA_F
ClientSampleId :
B-1(13-15)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.1	19.5	29.3

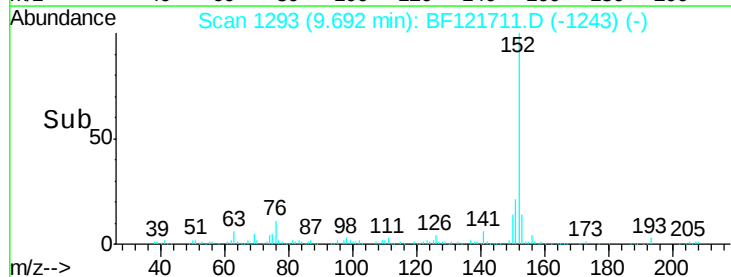
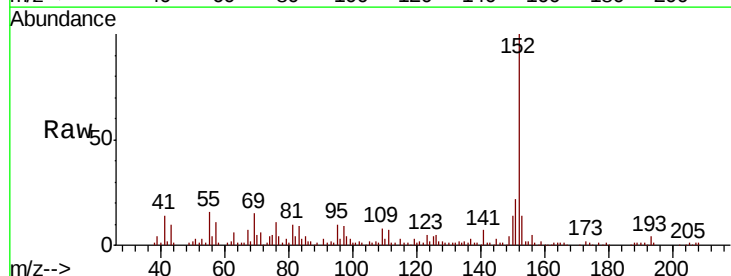
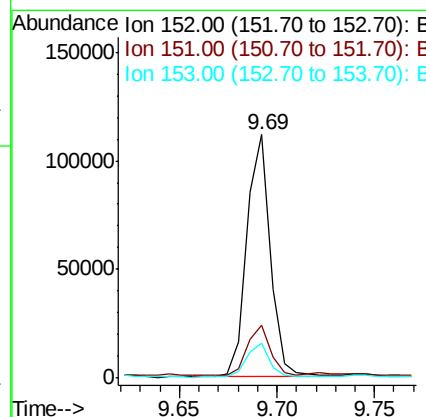
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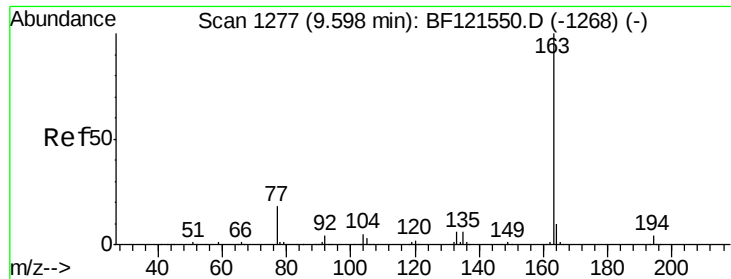
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#49
Acenaphthylene
Concen: 3.196 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.5	24.7
153	14.1	10.6	16.0





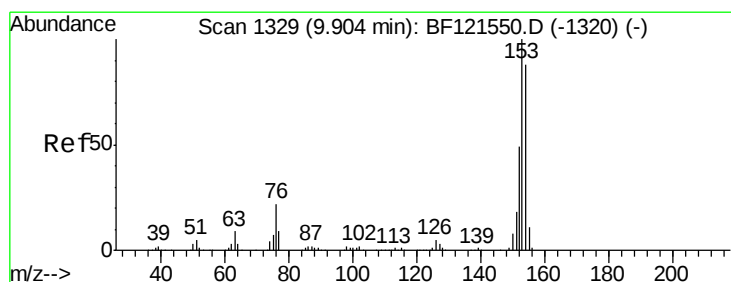
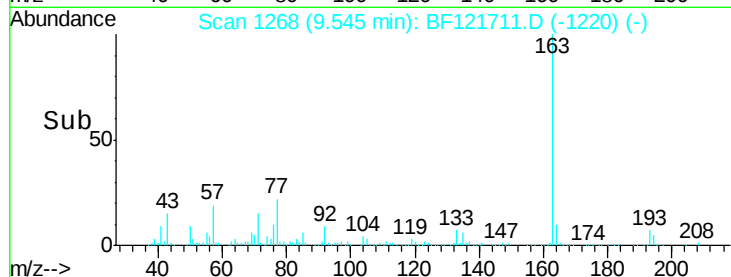
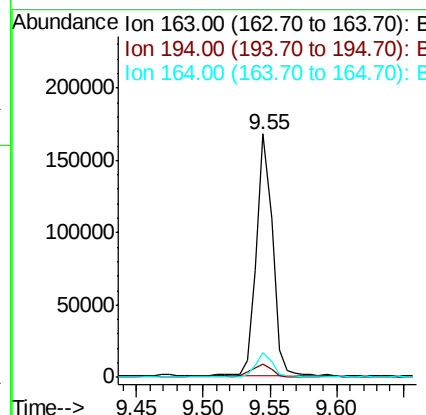
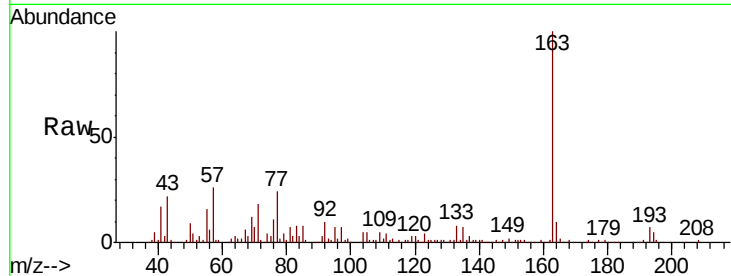
#50
Dimethylphthalate
Concen: 6.213 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Instrument :
BNA_F
ClientSampleId :
B-1(13-15)

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.4	5.0#
164	10.2	8.2	12.2

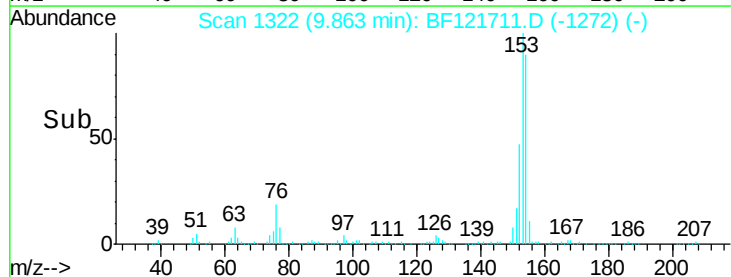
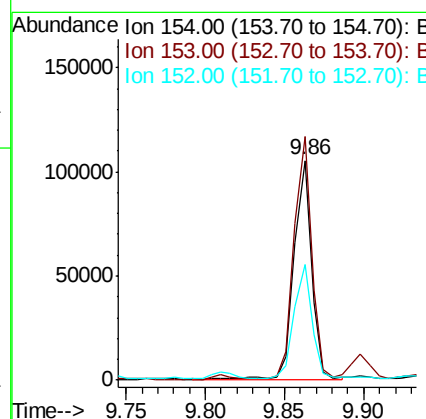
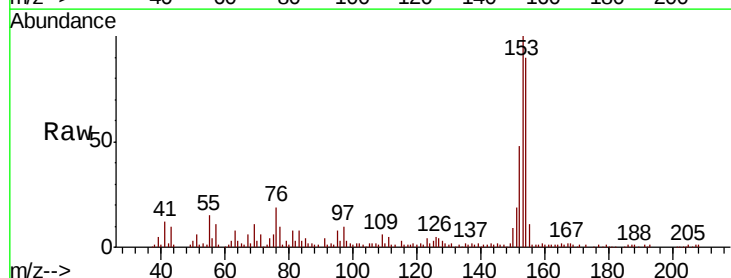
Manual Integrations
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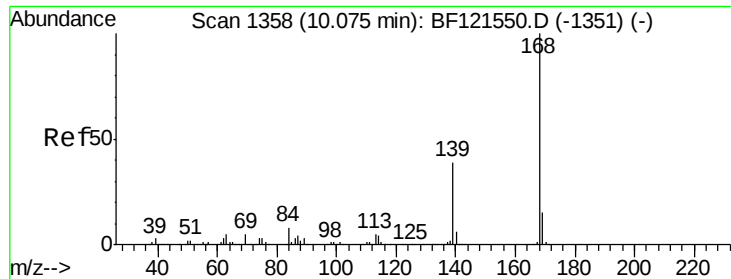
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#52
Acenaphthene
Concen: 4.337 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.9	91.7	137.5
152	52.9	44.0	66.0





#55

Dibenzofuran

Concen: 3.623 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF121711.D

Acq: 28 Sep 2020 14:36

Instrument :

BNA_F

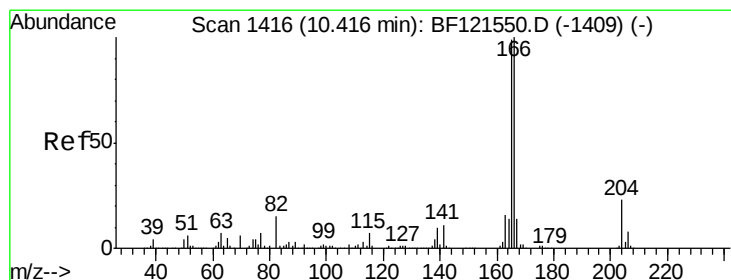
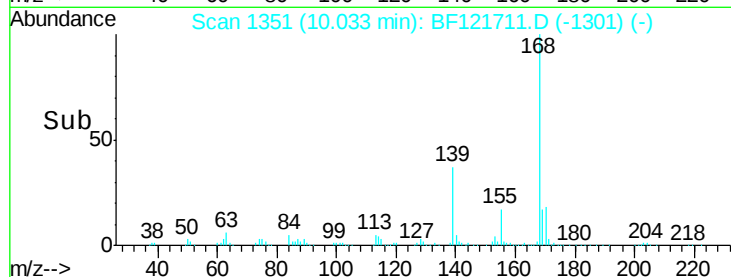
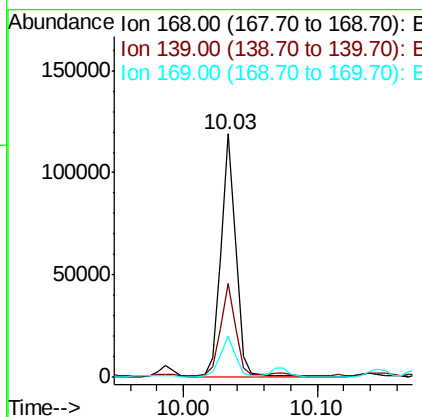
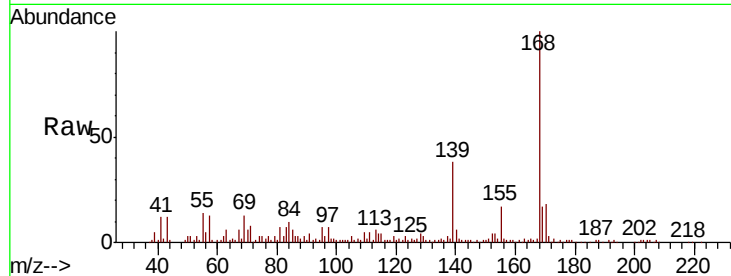
ClientSampleId :

B-1(13-15)

Tot Ion:	168	Resp:	94658
Ion Ratio	Lower	Upper	
168	100		
139	38.3	32.6	49.0
169	16.9	11.7	17.5

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#58

Fluorene

Concen: 5.565 ng

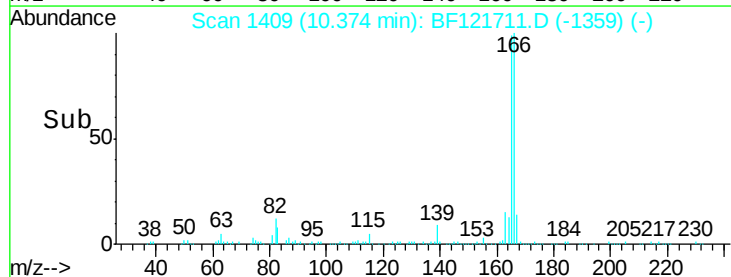
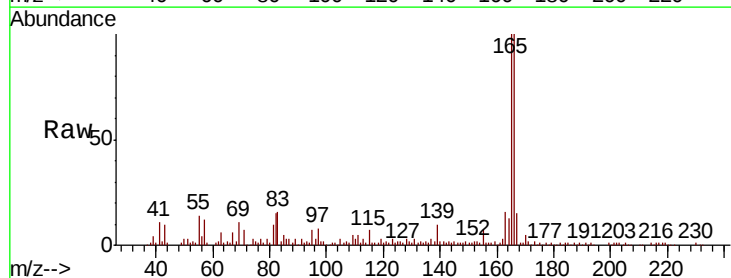
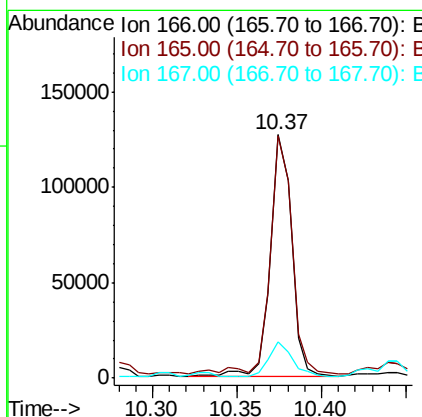
RT: 10.37 min Scan# 1409

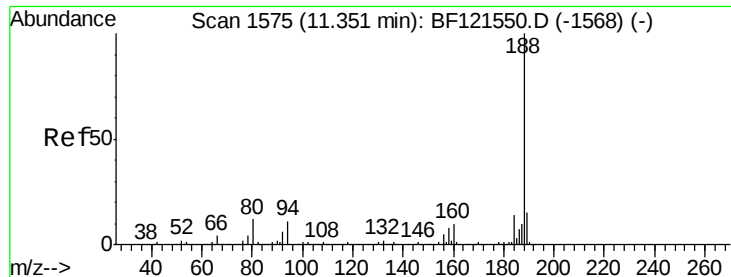
Delta R.T. -0.01 min

Lab File: BF121711.D

Acq: 28 Sep 2020 14:36

Tgt Ion:	166	Resp:	111177
Ion Ratio	Lower	Upper	
166	100		
165	99.5	78.8	118.2
167	15.0	11.0	16.4





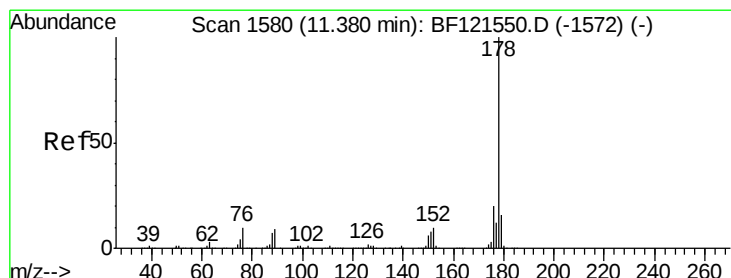
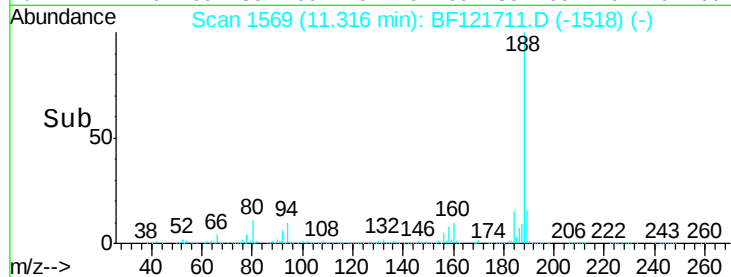
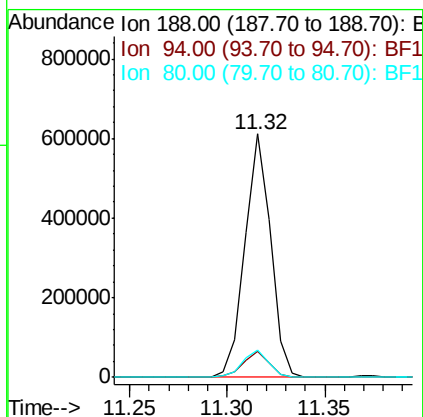
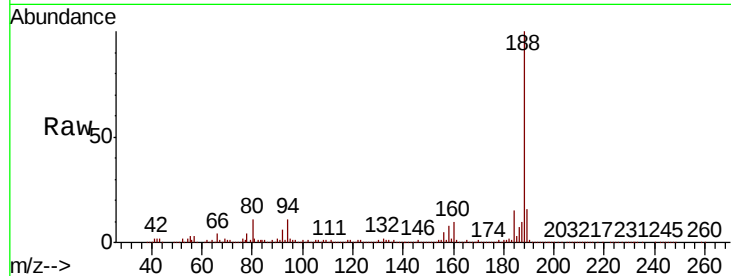
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Instrument :
BNA_F
ClientSampleId :
B-1(13-15)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	559149		
94	10.5		8.4	12.6
80	11.3		9.3	13.9

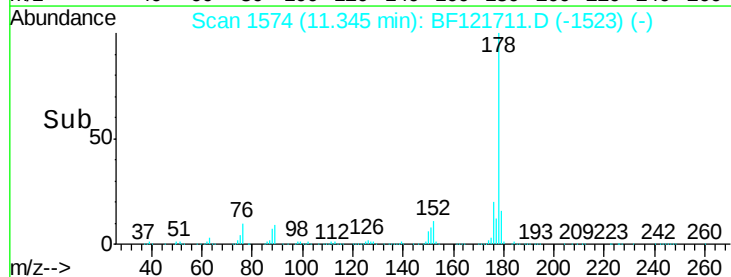
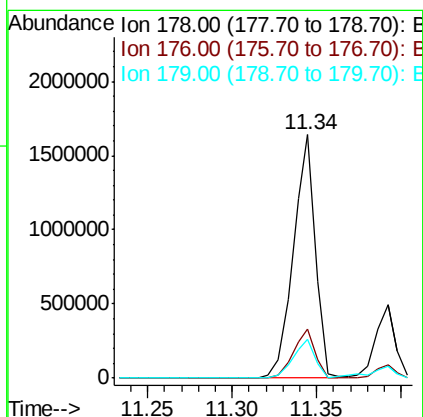
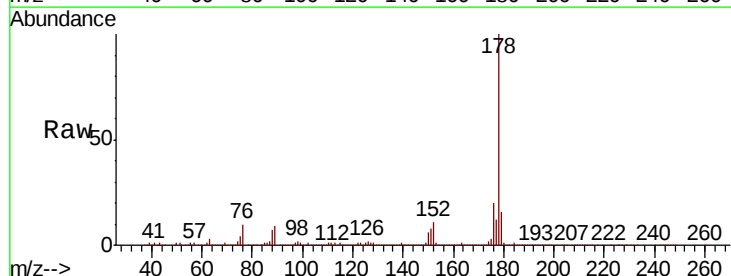
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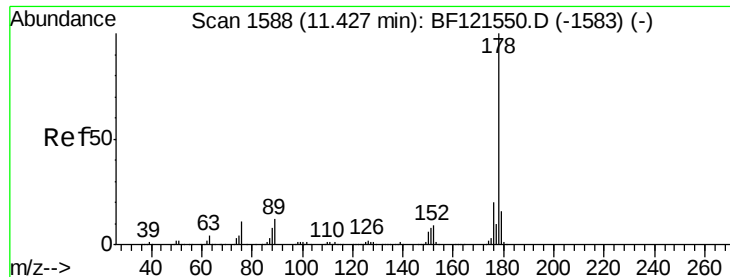
mohammad
9/29/2020 3:24:23 PM



#71
Phenanthrene
Concen: 48.764 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1485582		
176	20.3		16.2	24.4
179	15.9		12.5	18.7





#72

Anthracene

Concen: 12.531 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF121711.D

Acq: 28 Sep 2020 14:36

Instrument :

BNA_F

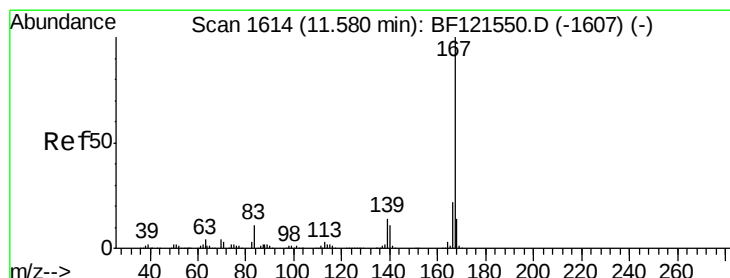
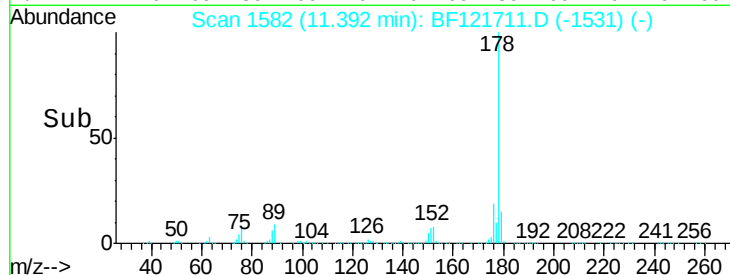
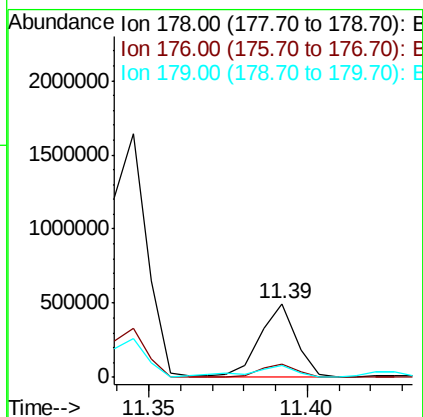
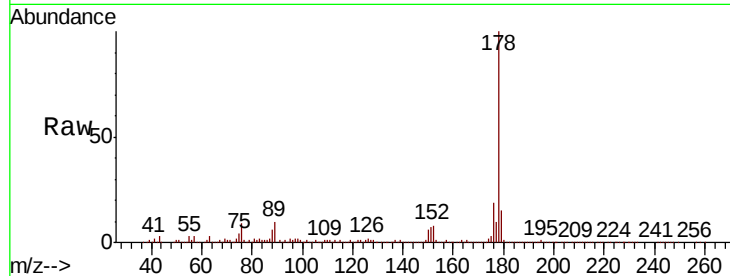
ClientSampleId :

B-1(13-15)

Tot Ion:	178	Resp:	393954
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.6	23.4
179	15.4	12.7	19.1

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#73

Carbazole

Concen: 4.942 ng

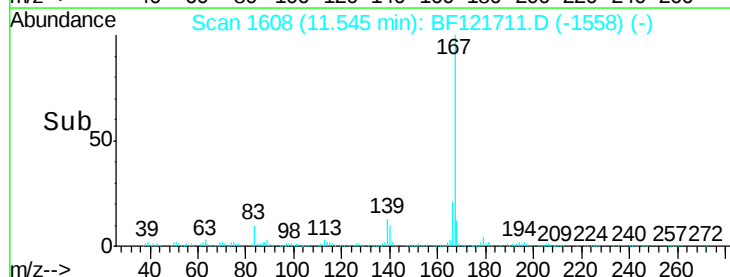
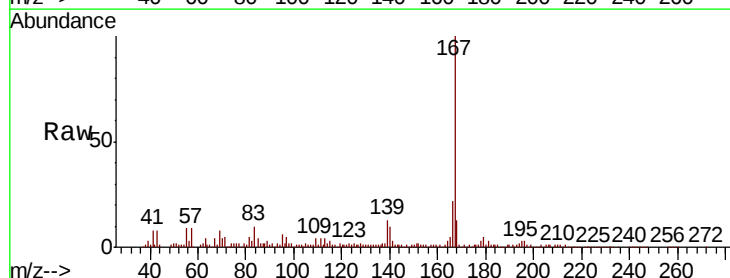
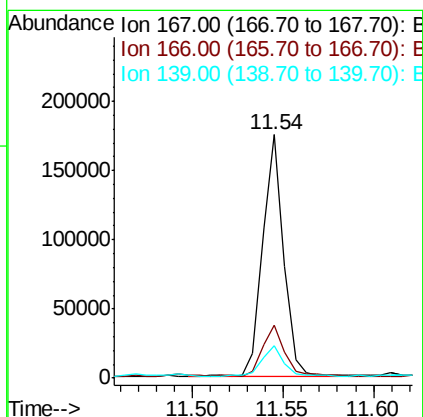
RT: 11.54 min Scan# 1608

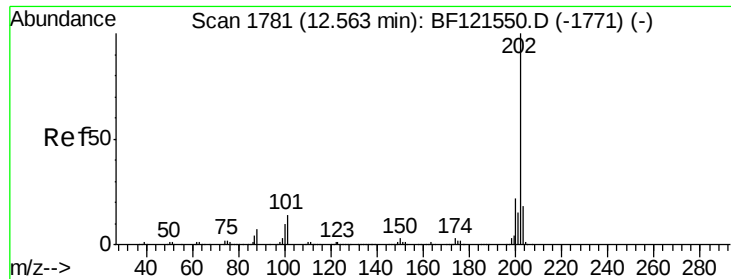
Delta R.T. -0.01 min

Lab File: BF121711.D

Acq: 28 Sep 2020 14:36

Tgt Ion:	167	Resp:	140194
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.6	26.4
139	13.3	10.7	16.1





#75

Fluoranthene

Concen: 60.383 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF121711.D

Acq: 28 Sep 2020 14:36

Instrument :

BNA_F

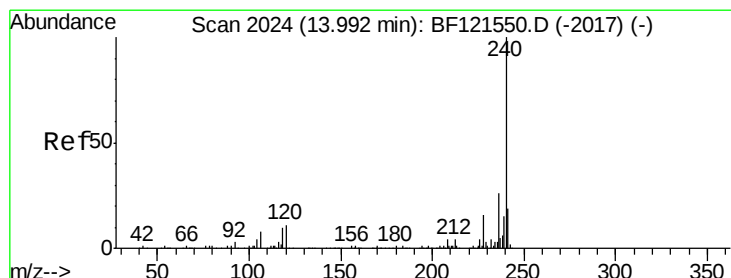
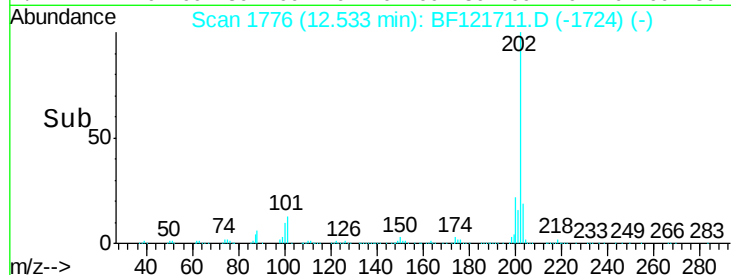
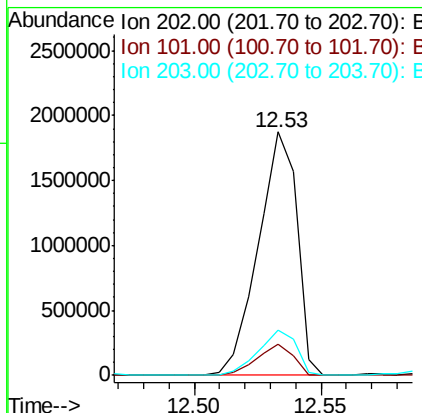
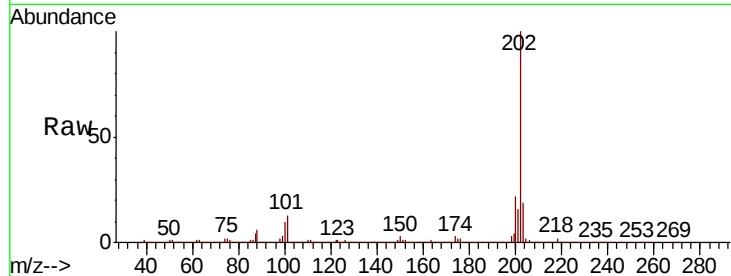
ClientSampleId :

B-1(13-15)

Tot Ion:	202	Resp:	1963698
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	33.7
203	18.8	0.0	38.5

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#76

Chrysene-d12

Concen: 20.000 ng

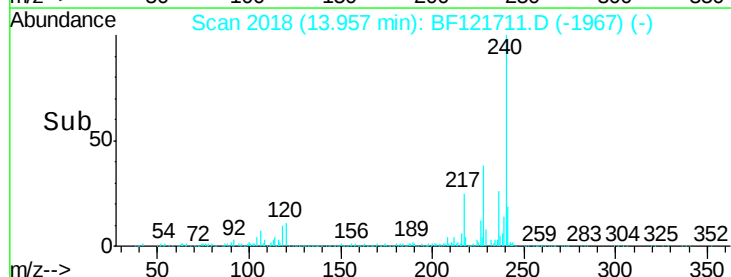
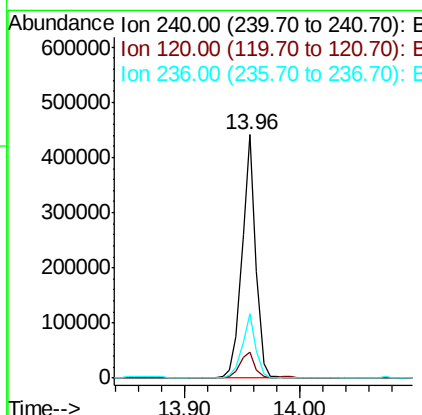
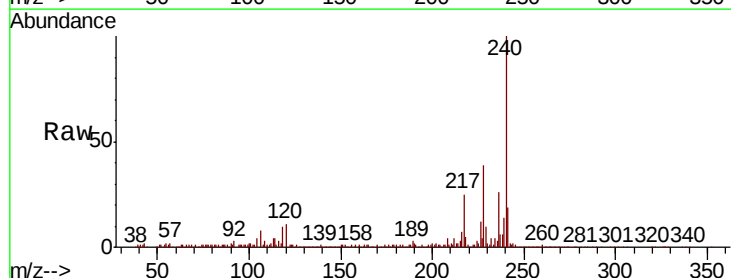
RT: 13.96 min Scan# 2018

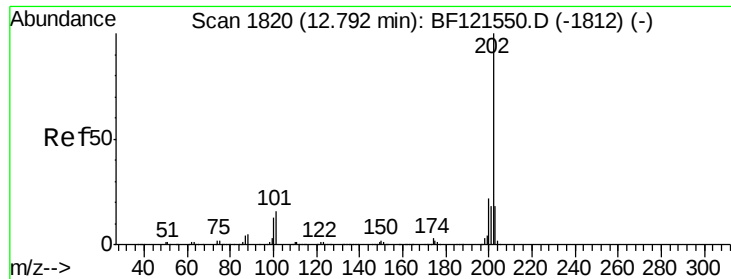
Delta R.T. -0.00 min

Lab File: BF121711.D

Acq: 28 Sep 2020 14:36

Tgt Ion:	240	Resp:	359888
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.1	13.7
236	26.5	20.6	30.8





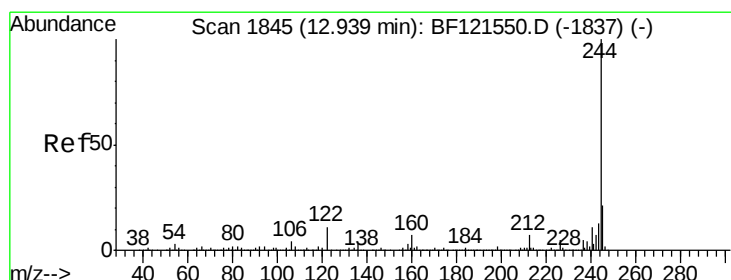
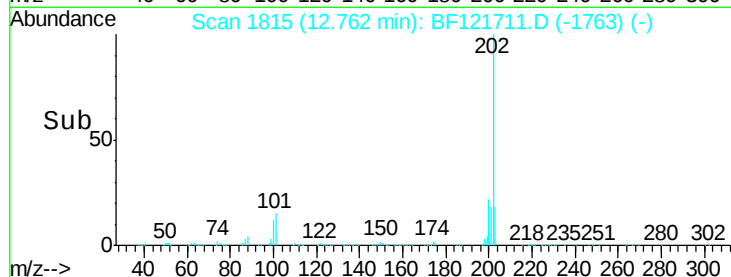
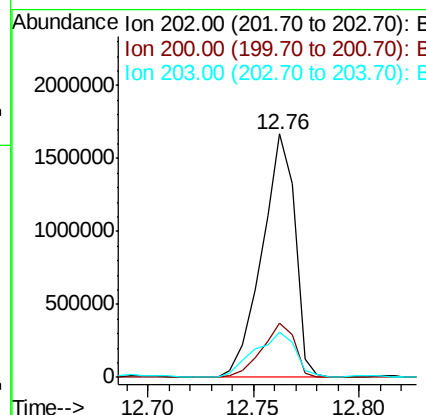
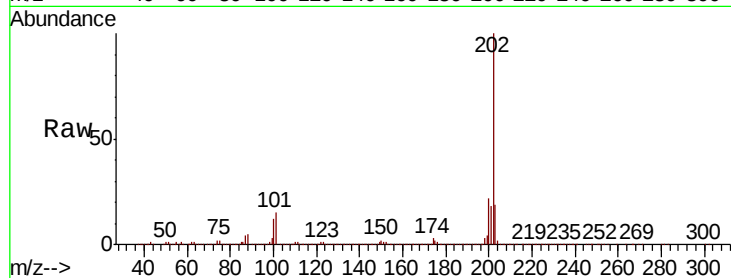
#78
Pvrene
Concen: 68.579 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Instrument :
BNA_F
ClientSampleId :
B-1(13-15)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.8	26.8
203	18.6	14.3	21.5

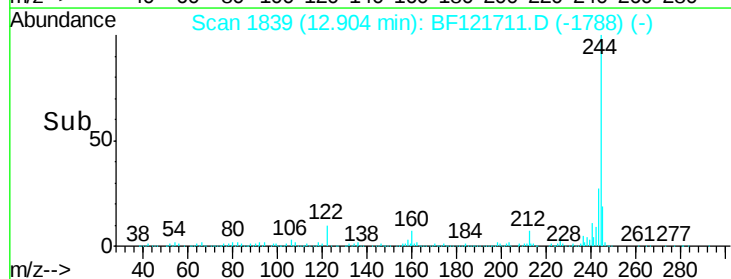
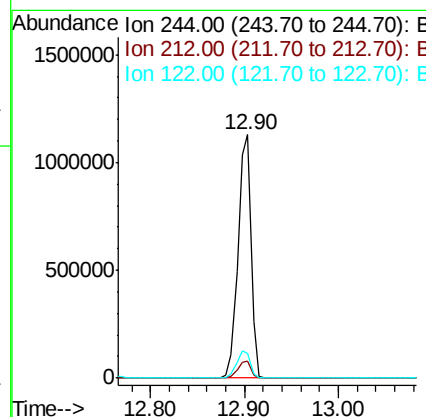
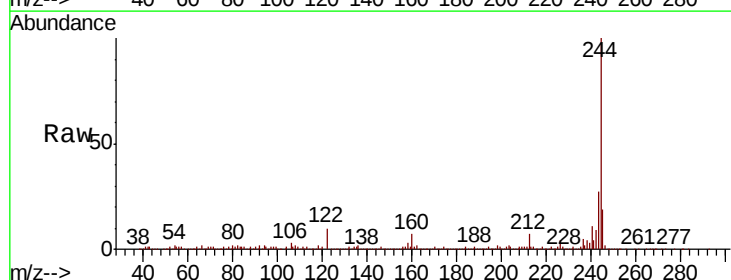
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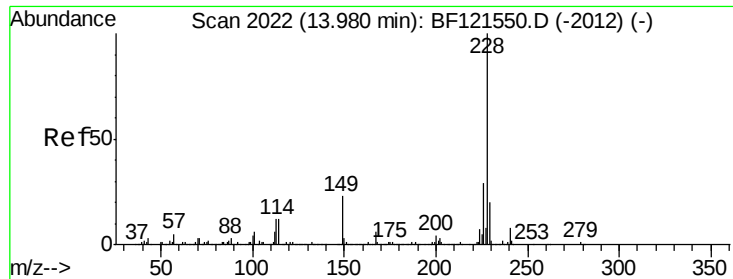
mohammad
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#79
Terphenyl-d14
Concen: 60.976 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.1	8.0	12.0





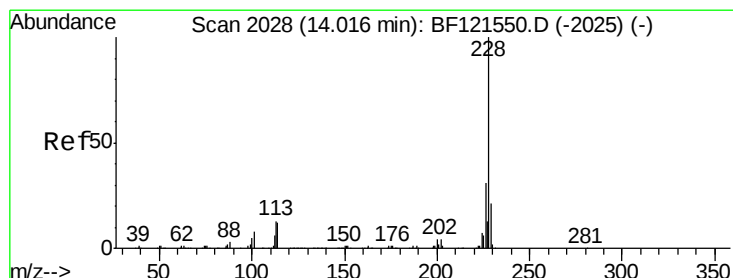
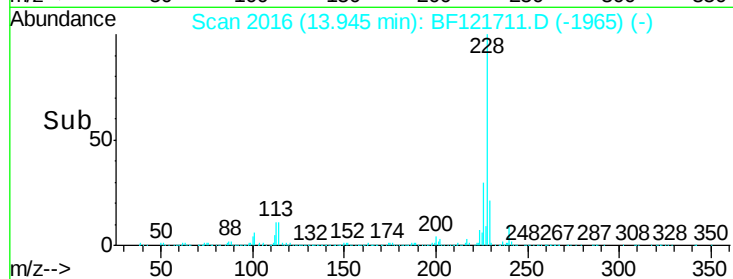
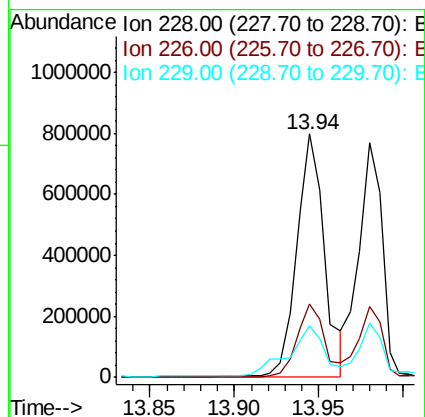
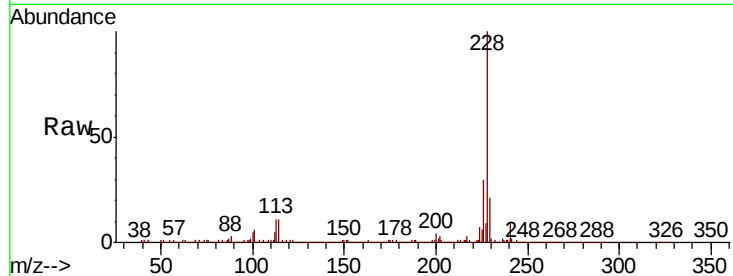
#81
Benzo(a)anthracene
Concen: 39.948 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Instrument :
BNA_F
ClientSampleId :
B-1(13-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.5	33.7
229	21.1	16.2	24.4

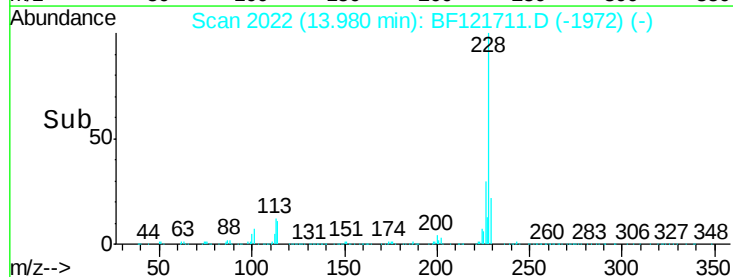
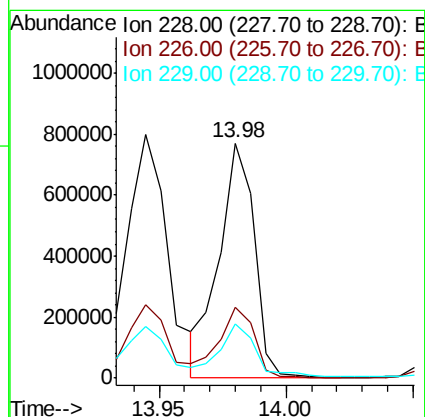
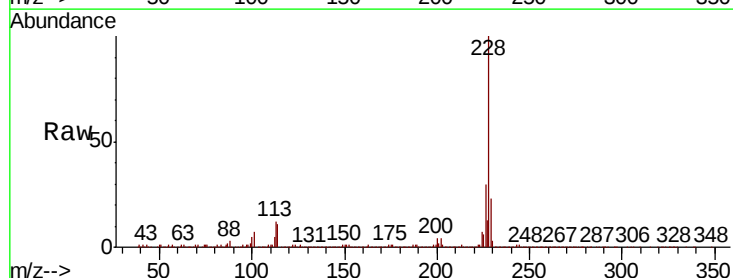
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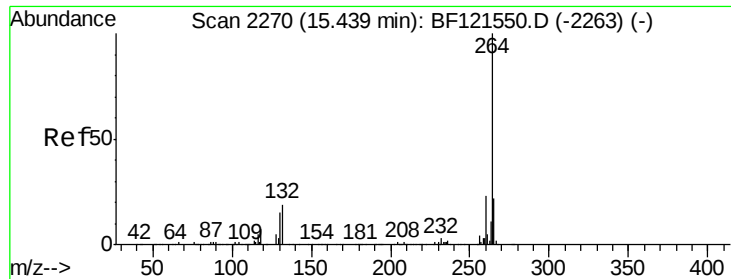
mohammad
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#83
Chrysene
Concen: 32.097 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.4
229	23.0	16.0	24.0





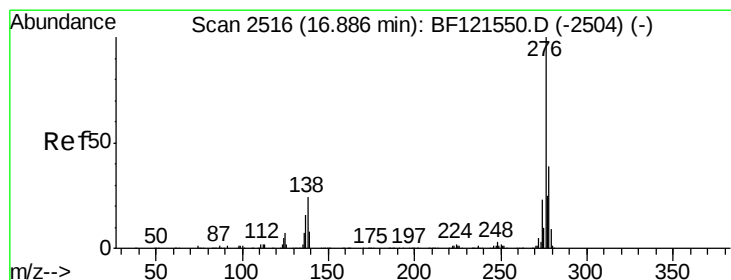
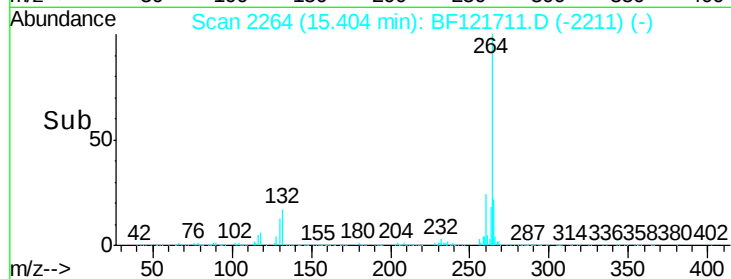
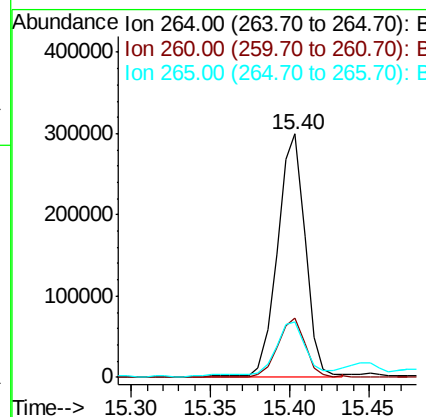
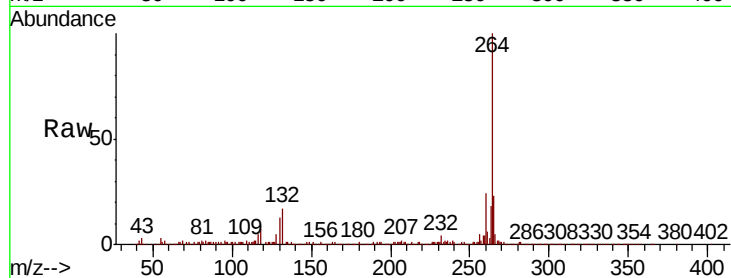
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Instrument :
BNA_F
ClientSampleId :
B-1(13-15)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.4	27.6
265	22.8	17.2	25.8

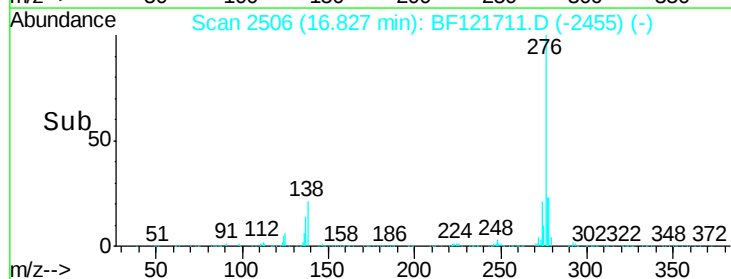
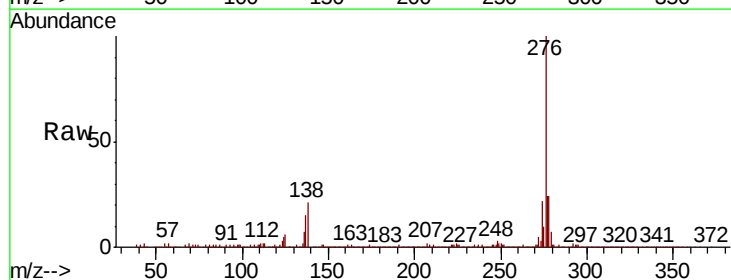
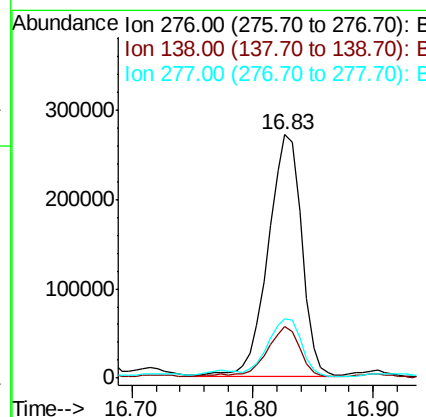
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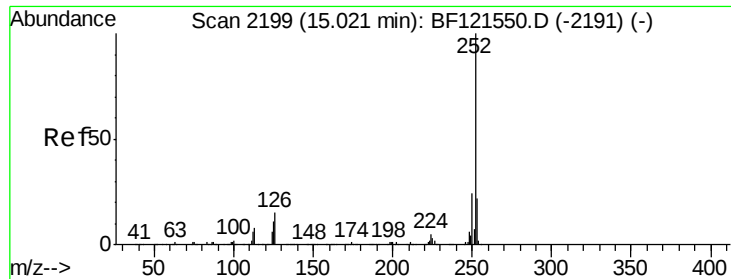
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 22.065 ng
RT: 16.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.5	29.3
277	23.8	20.2	30.4





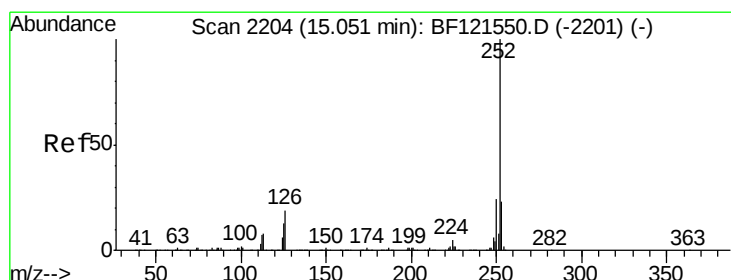
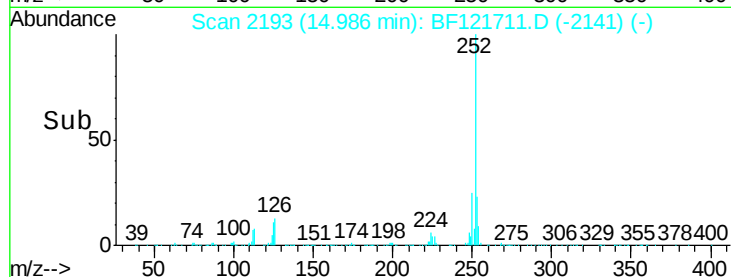
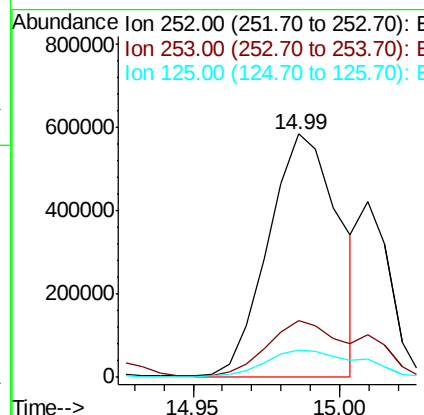
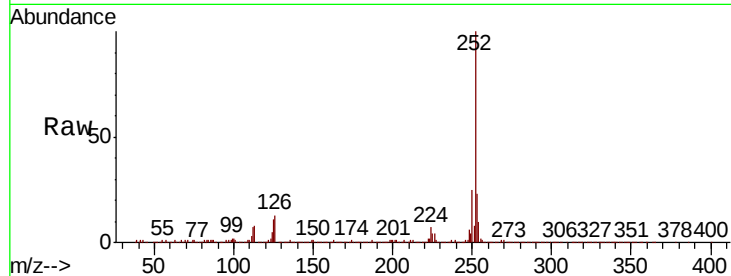
#88
Benzo(b)fluoranthene
Concen: 40.608 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Instrument :
BNA_F
ClientSampleId :
B-1(13-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	11.3	8.6	13.0

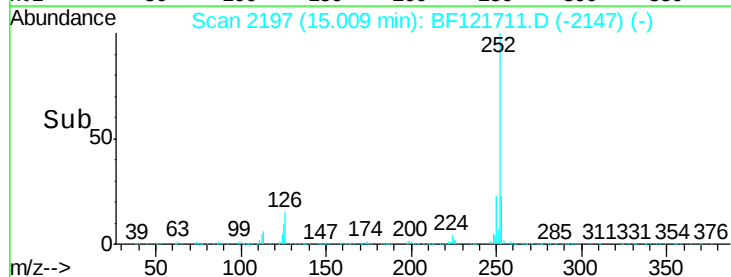
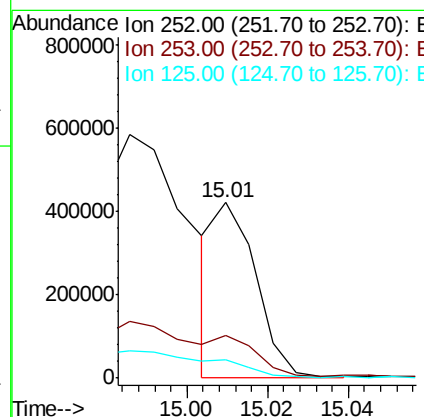
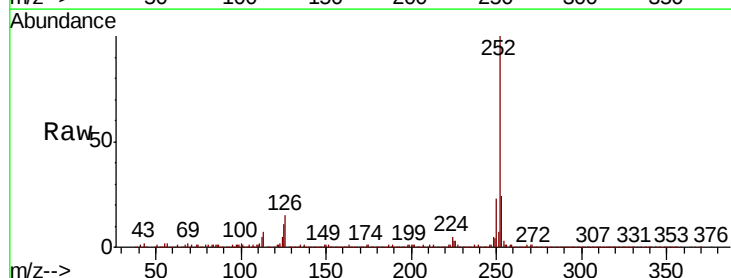
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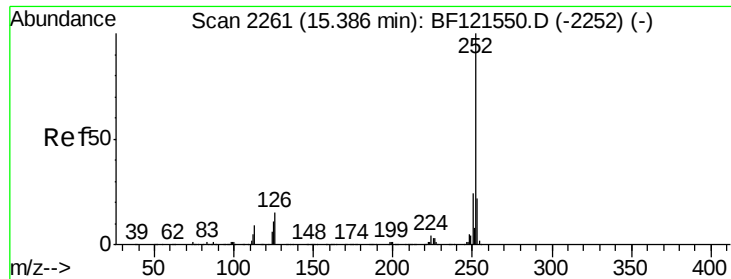
mohammad
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#89
Benzo(k)fluoranthene
Concen: 13.483 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	10.8	7.1	10.7#





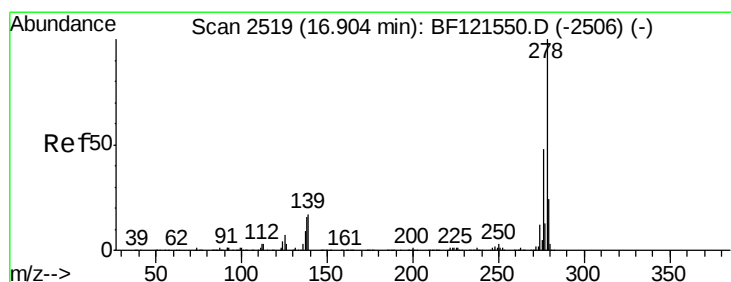
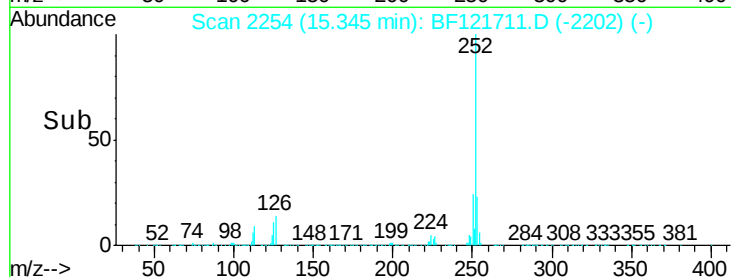
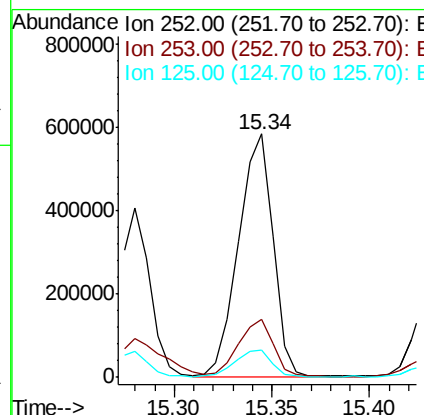
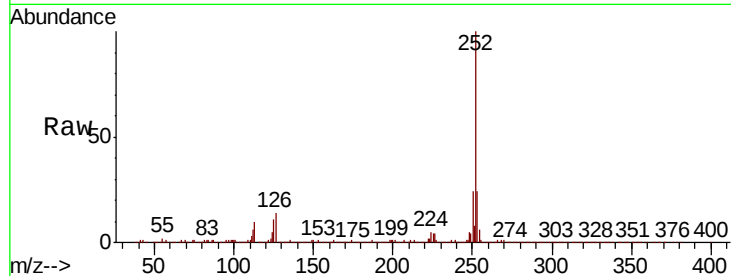
#90
Benzo(a)pyrene
Concen: 34.637 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Instrument :
BNA_F
ClientSampleId :
B-1(13-15)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	17.4	26.2
125	11.1	9.2	13.8

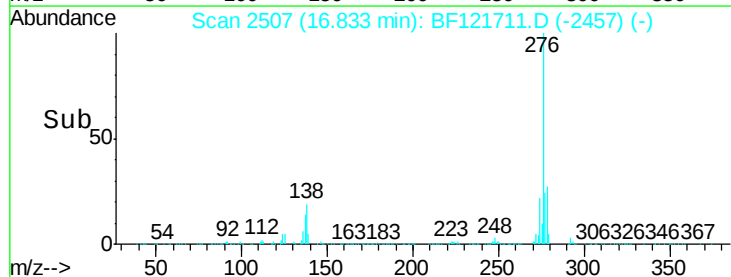
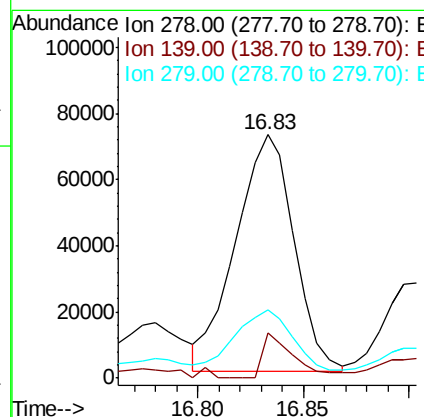
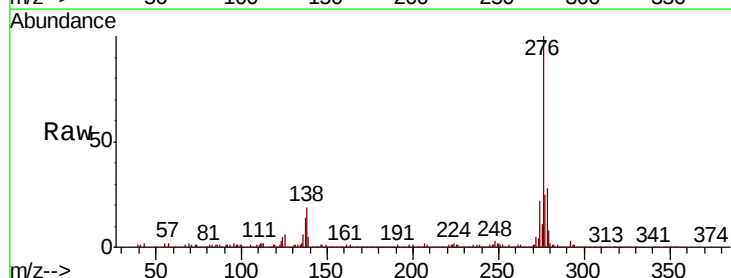
Manual Integrations
APPROVED

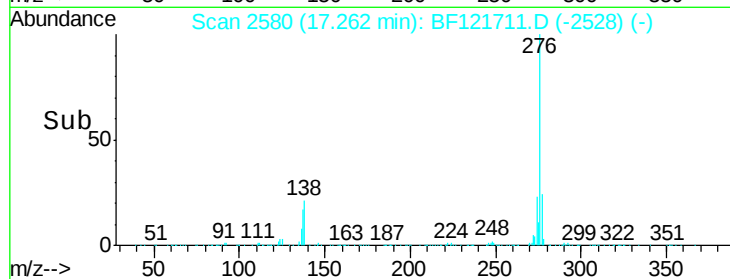
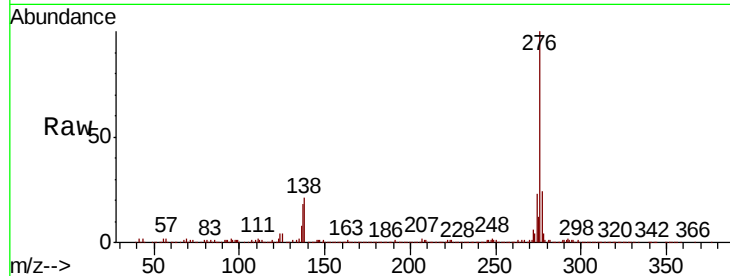
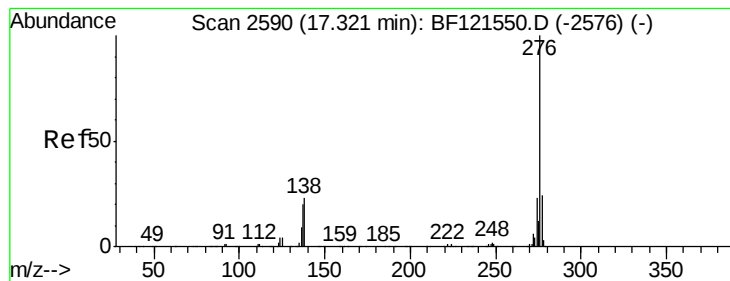
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 6.965 ng
RT: 16.83 min Scan# 2507
Delta R.T. -0.01 min
Lab File: BF121711.D
Acq: 28 Sep 2020 14:36

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	18.7	13.0	19.4
279	28.2	19.3	28.9





#92

Benzo(a,h,i)perylene

Concen: 25.025 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BF121711.D

Acq: 28 Sep 2020 14:36

Instrument :

BNA_F

ClientSampleId :

B-1(13-15)

Tot Ion:	276	Resp:	484527
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.8	28.2
138	21.2	16.6	25.0

Manual Integrations
APPROVED

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