

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121714.D
 Acq On : 28 Sep 2020 16:09
 Operator : JU/CG
 Sample : L4154-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4(12-14)

Manual Integrations
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Quant Time: Sep 28 18:31:02 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	151852	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	587072	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	299410	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	520947	20.00	ng	0.00
76) Chrysene-d12	13.96	240	314743	20.00	ng	0.00
86) Perylene-d12	15.40	264	362844	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	385561	37.73	ng	0.00
7) Phenol-d6	6.43	99	686578	51.22	ng	-0.01
23) Nitrobenzene-d5	7.36	82	543302	49.69	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	76626	20.59	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	934112	47.25	ng	0.00
79) Terphenyl-d14	12.90	244	778367	50.10	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.69	152	88846	3.061	ng	99
50) Dimethylphthalate	9.55	163	104289	4.806	ng	99
52) Acenaphthene	9.86	154	75337	4.110	ng	98
55) Dibenzofuran	10.03	168	61251	2.373	ng	94
58) Fluorene	10.37	166	104118	5.274	ng	99
71) Phenanthrene	11.35	178	1526675	53.788	ng	100
72) Anthracene	11.39	178	466718	15.934	ng	98
73) Carbazole	11.55	167	106905	4.045	ng	99
75) Fluoranthene	12.54	202	2127600	70.220	ng	97
78) Pyrene	12.77	202	2082871	90.575	ng	99
81) Benzo(a)anthracene	13.94	228	1070939	53.783	ng	97
83) Chrysene	13.99	228	918643	45.559	ng	98
87) Indeno(1,2,3-cd)pyrene	16.83	276	552886	23.398	ng	95
88) Benzo(b)fluoranthene	14.99	252	1043341m	43.013	ng	
89) Benzo(k)fluoranthene	15.02	252	379889m	17.102	ng	
90) Benzo(a)pyrene	15.35	252	880215	42.690	ng	97
91) Dibenzo(a,h)anthracene	16.84	278	144168m	7.329	ng	
92) Benzo(g,h,i)perylene	17.27	276	509903	26.372	ng	97

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

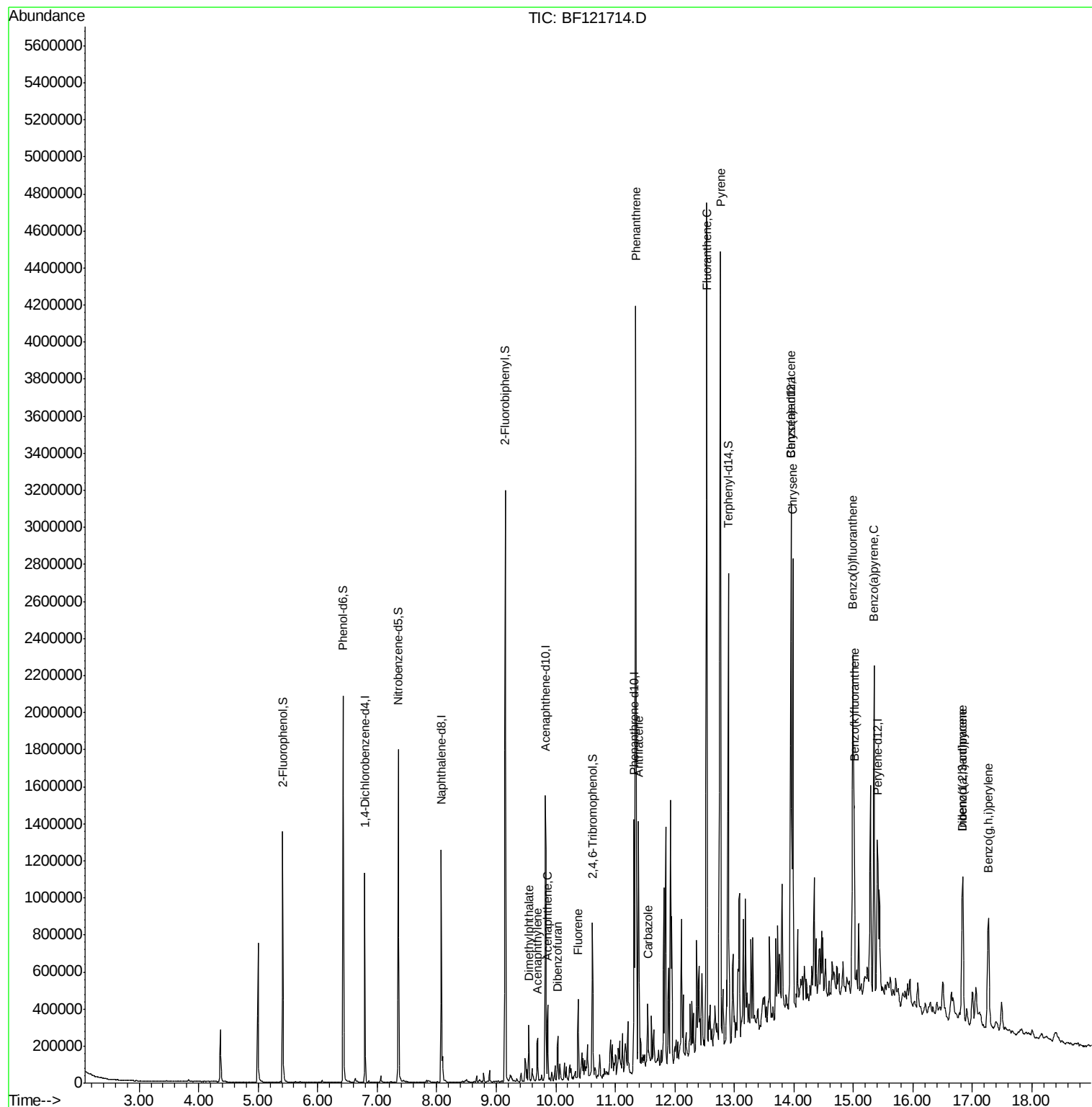
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
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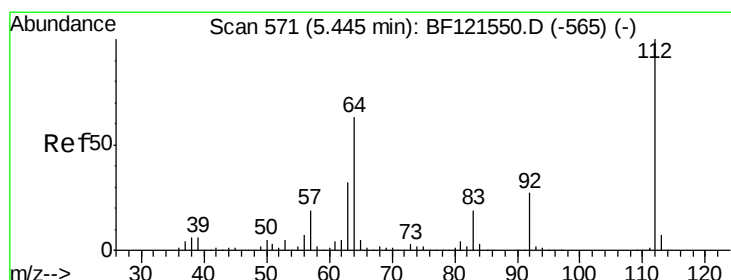
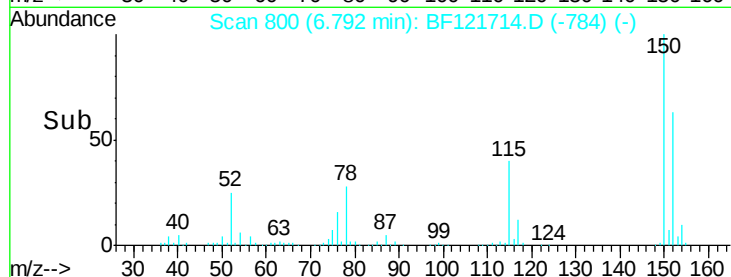
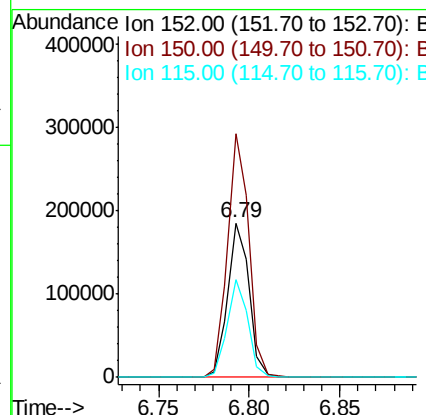
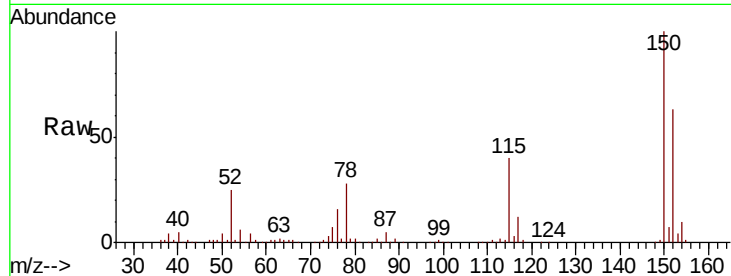
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121714.D
 Acq: 28 Sep 2020 16:09

Instrument :
 BNA_F
 ClientSampleId :
 B-4(12-14)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	122.6	184.0
115	63.5	47.1	70.7

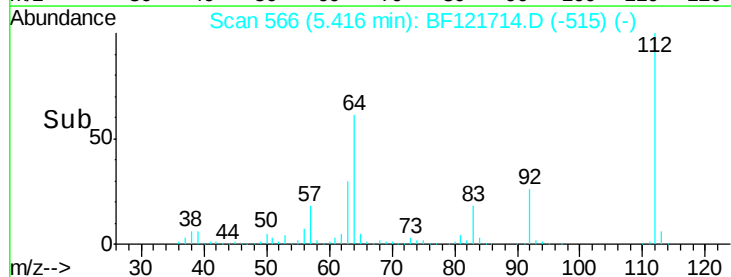
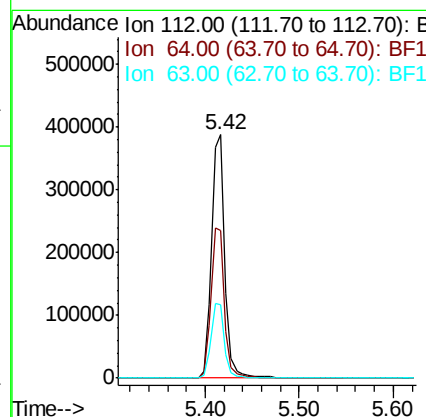
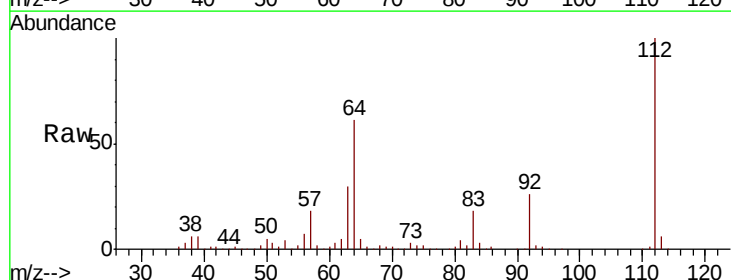
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#5
 2-Fluorophenol
 Concen: 37.734 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF121714.D
 Acq: 28 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.5	74.3
63	30.2	25.4	38.0





#7

Phenol-d6

Concen: 51.217 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

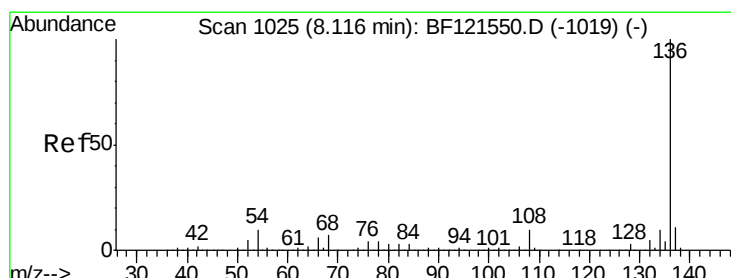
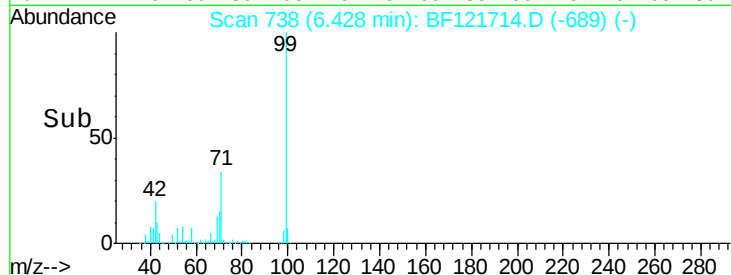
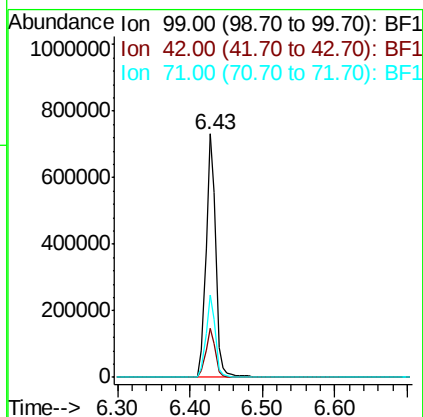
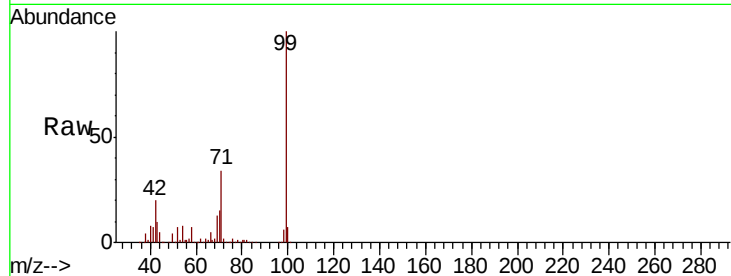
ClientSampleId :

B-4(12-14)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		686578		
42	20.3	16.1	24.1		
71	34.0	27.6	41.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

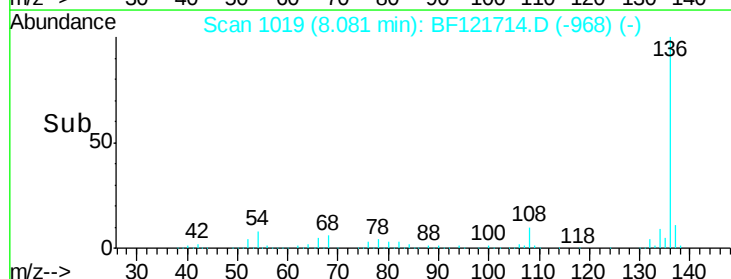
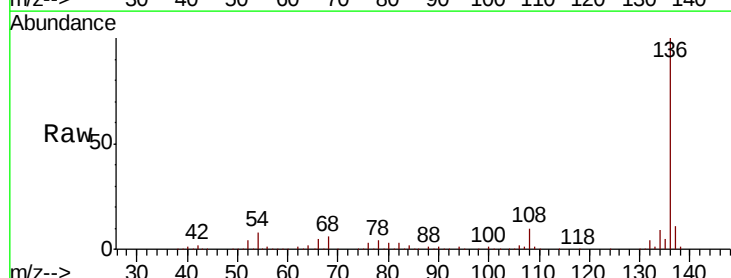
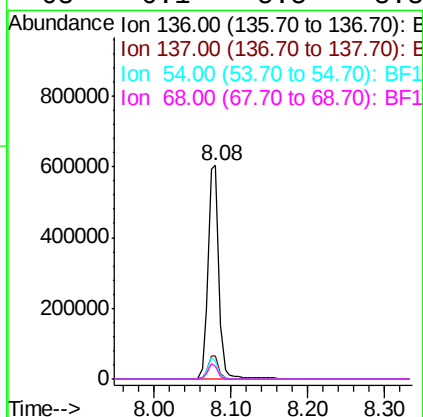
RT: 8.08 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF121714.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		587072		
137	10.7	8.8	13.2		
54	8.1	7.5	11.3		
68	6.1	5.5	8.3		





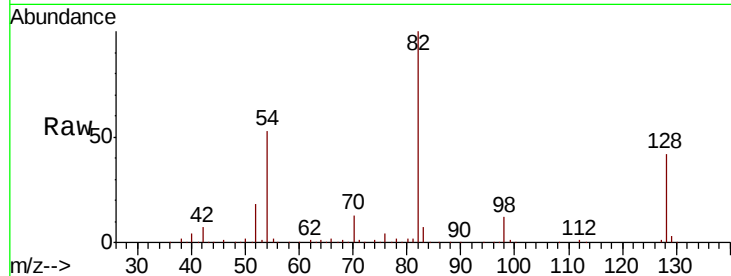
#23
 Nitrobenzene-d5
 Concen: 49.689 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF121714.D
 Acq: 28 Sep 2020 16:09

Instrument :
 BNA_F
 ClientSampleId :
 B-4(12-14)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.9	35.8	53.6	
54	53.0	42.6	63.8	

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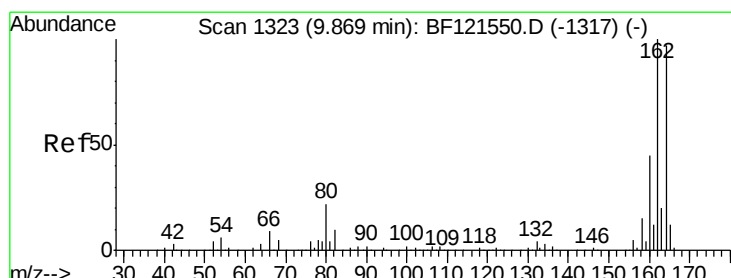
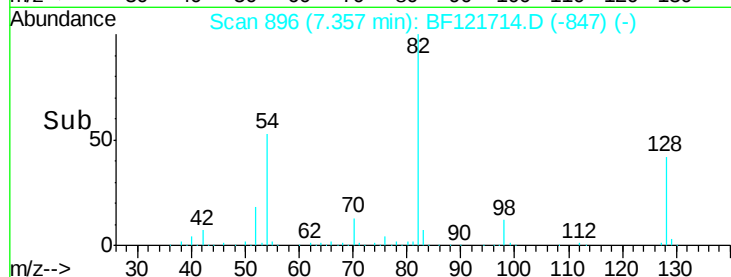
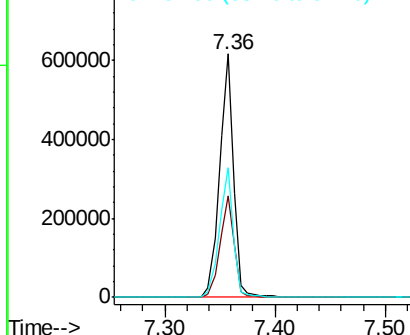


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF121714.D
 Acq: 28 Sep 2020 16:09

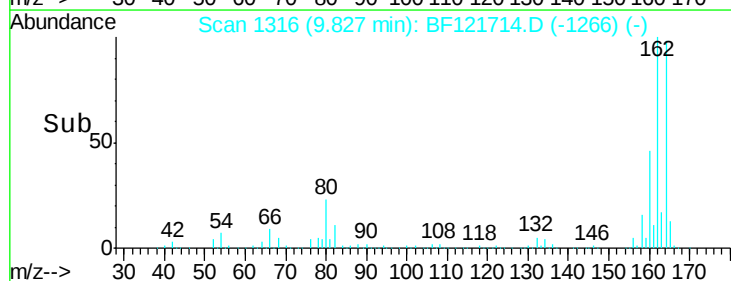
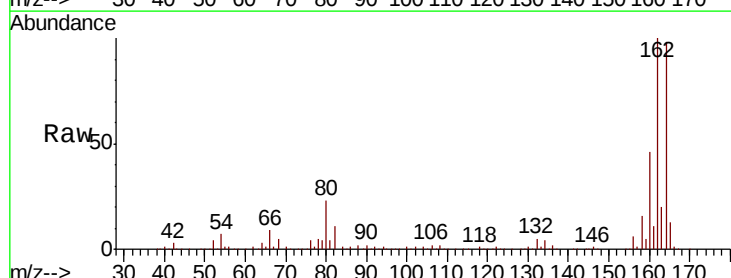
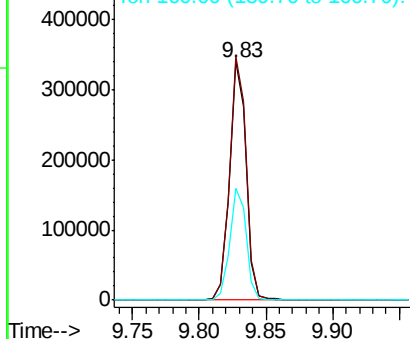
Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	82.1	123.1	
160	47.0	36.8	55.2	

Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 20.591 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

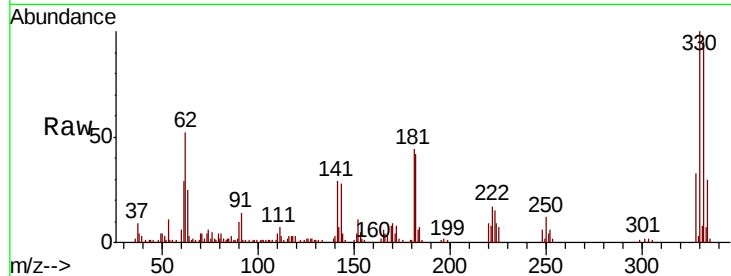
ClientSampleId :

B-4(12-14)

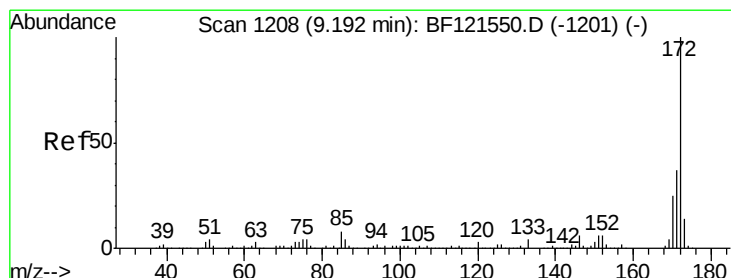
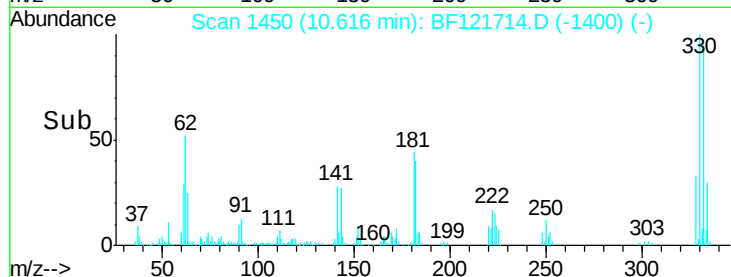
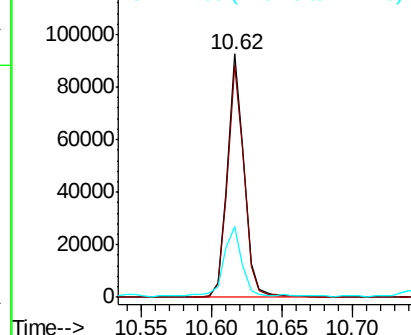
Tot Ion:	330	Resp:	76626
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.0	114.0
141	31.0	22.2	33.4

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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: 47.251 ng

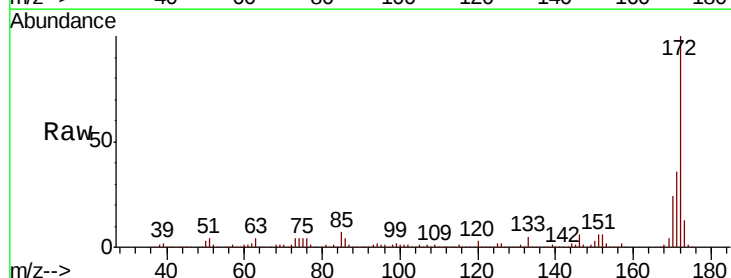
RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

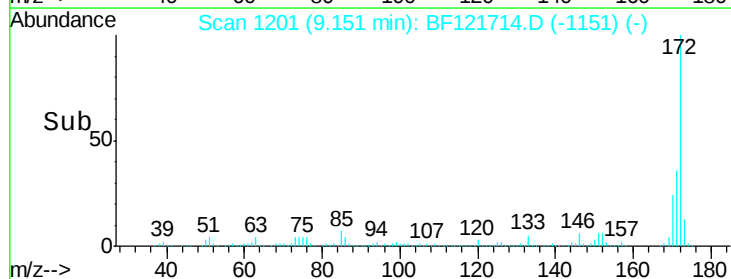
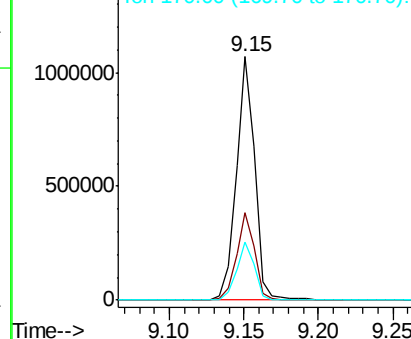
Lab File: BF121714.D

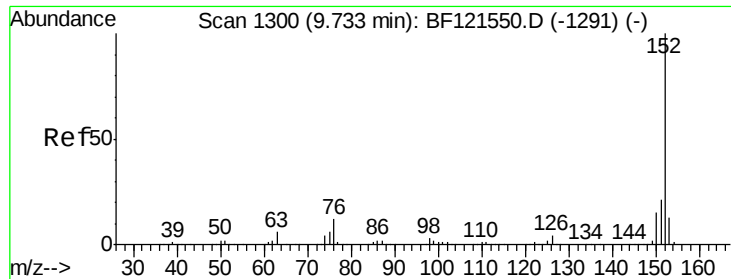
Acq: 28 Sep 2020 16:09

Tgt Ion:	172	Resp:	934112
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.0	43.6
170	23.9	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: 3.061 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

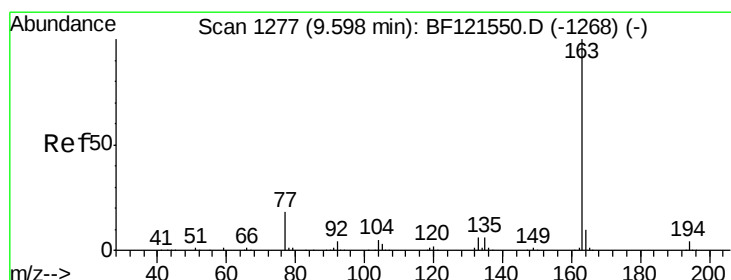
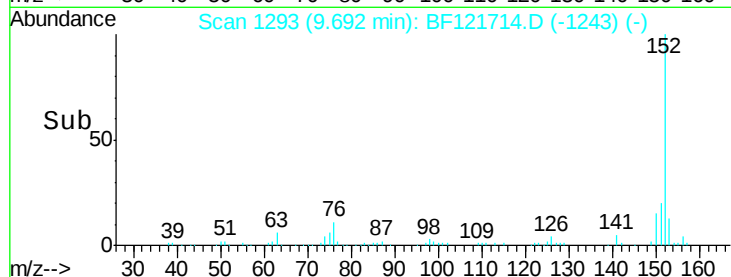
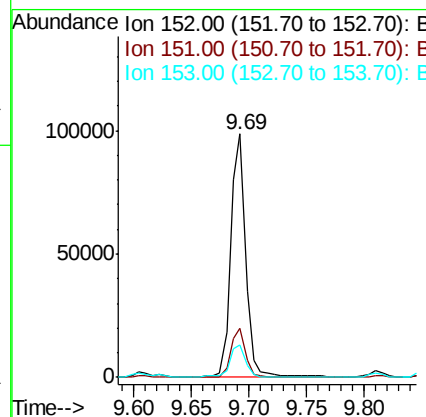
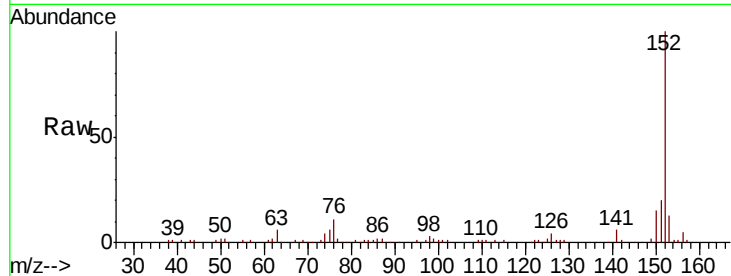
ClientSampleId :

B-4(12-14)

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.5	24.7
153	13.1	10.6	16.0

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#50

Dimethylphthalate

Concen: 4.806 ng

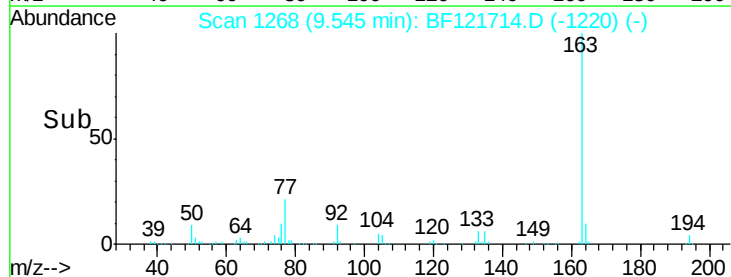
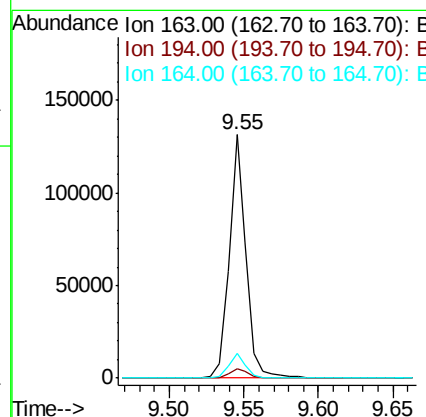
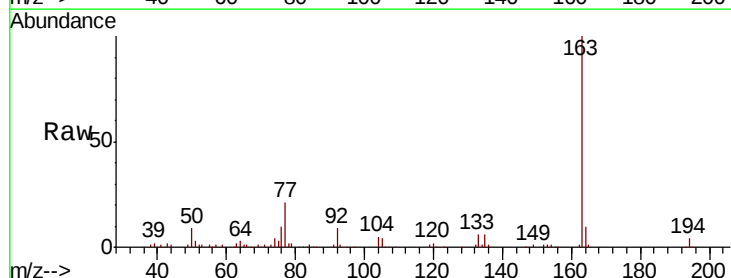
RT: 9.55 min Scan# 1268

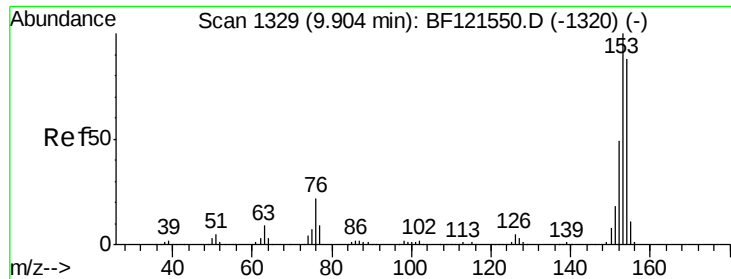
Delta R.T. -0.02 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	10.0	8.2	12.2





#52

Acenaphthene

Concen: 4.110 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

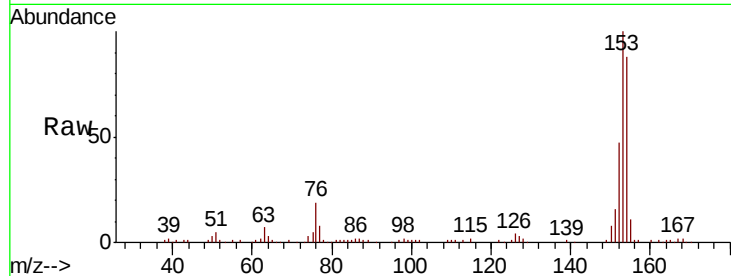
ClientSampled :

B-4(12-14)

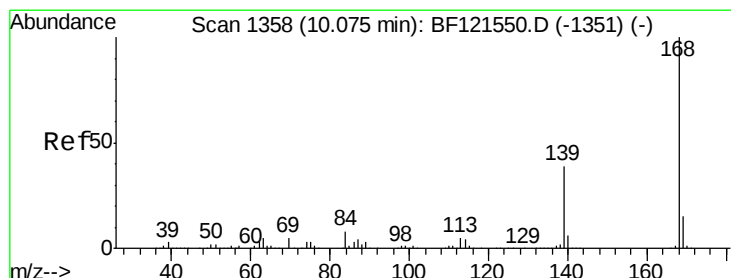
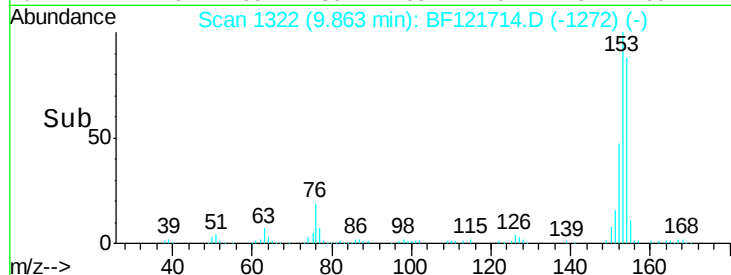
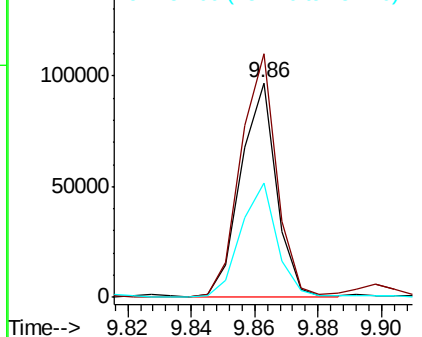
Tot Ion:	154	Resp:	75337
Ion Ratio	Lower	Upper	
154	100		
153	113.4	91.7	137.5
152	53.0	44.0	66.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.373 ng

RT: 10.03 min Scan# 1351

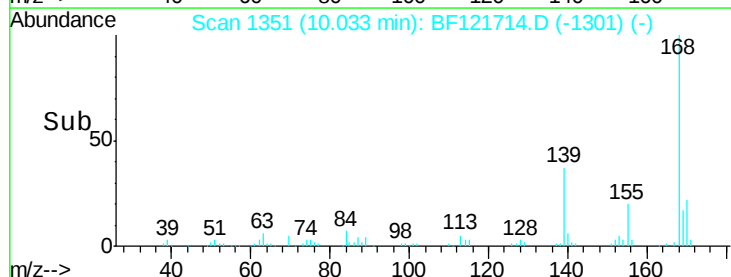
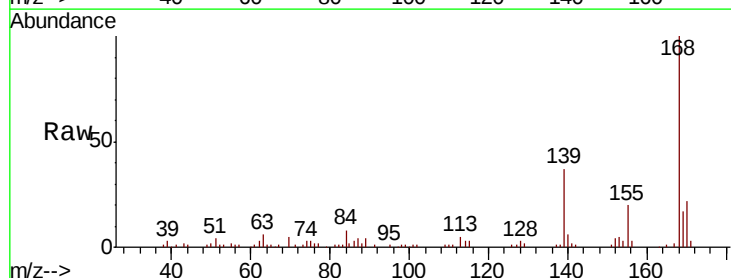
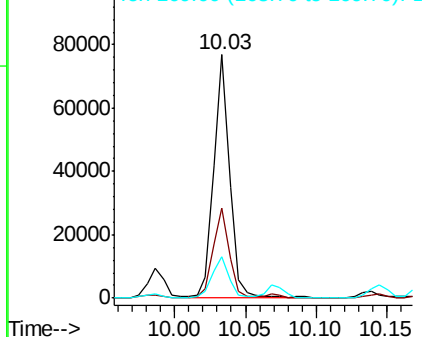
Delta R.T. -0.01 min

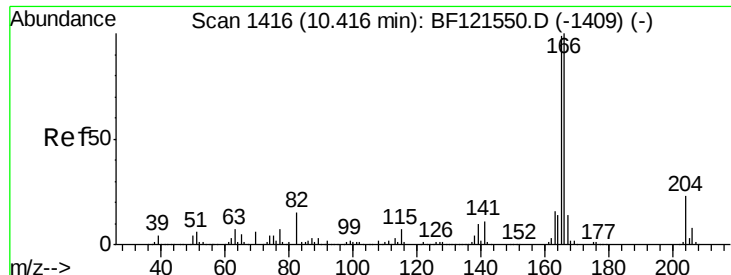
Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Tgt Ion:	168	Resp:	61251
Ion Ratio	Lower	Upper	
168	100		
139	37.2	32.6	49.0
169	17.1	11.7	17.5

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





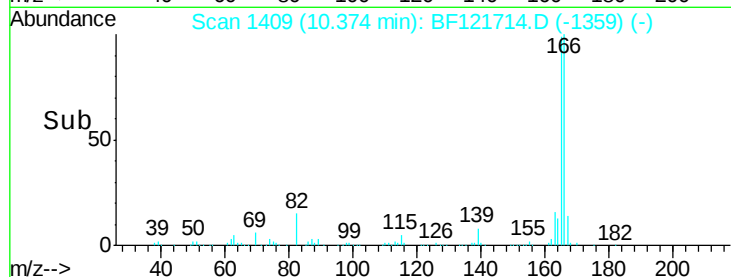
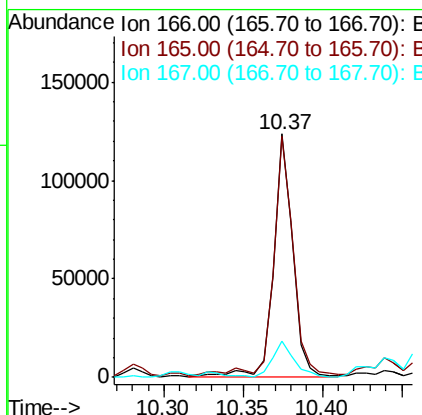
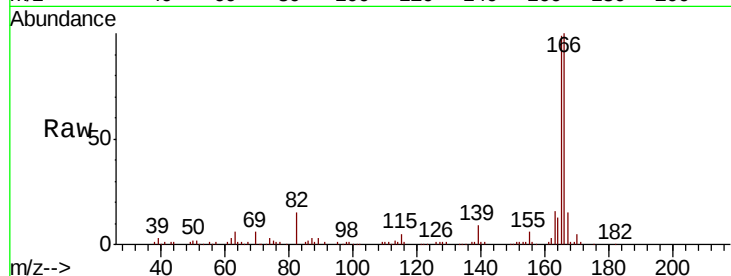
#58
Fluorene
Concen: 5.274 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Instrument :
BNA_F
ClientSampleId :
B-4(12-14)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		104118		
165	99.2	78.8	118.2		
167	15.1	11.0	16.4		

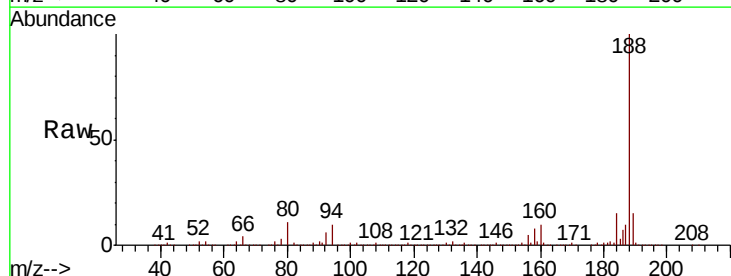
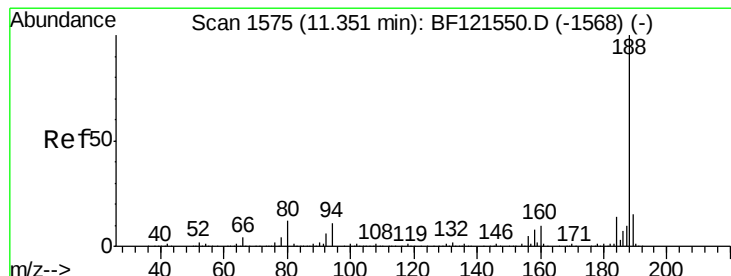
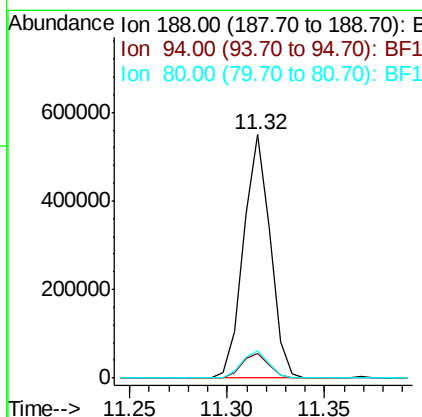
Manual Integrations
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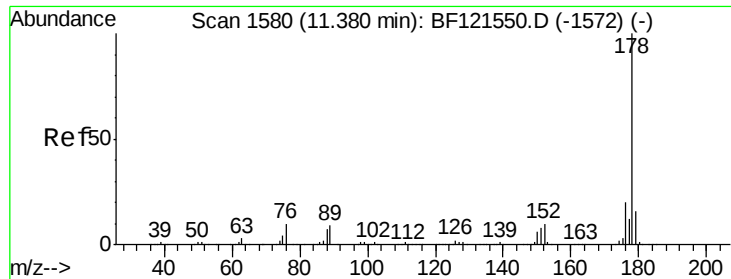
mohammad
9/29/2020 3:24:45 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		520947		
94	10.4	8.4	12.6		
80	11.1	9.3	13.9		





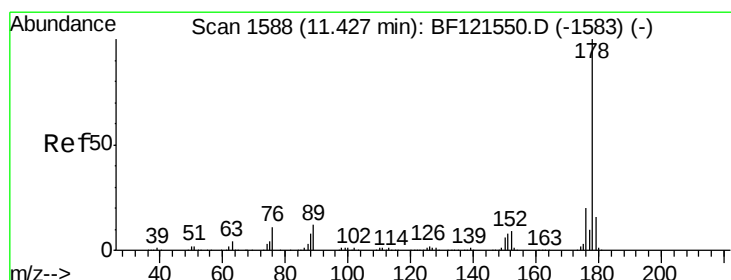
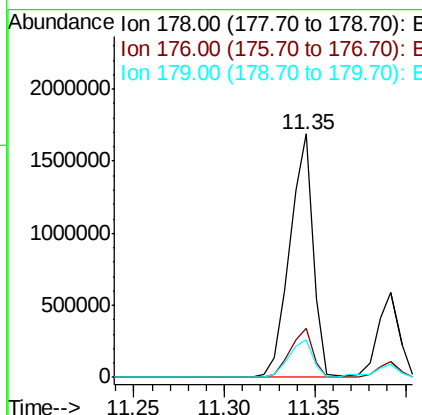
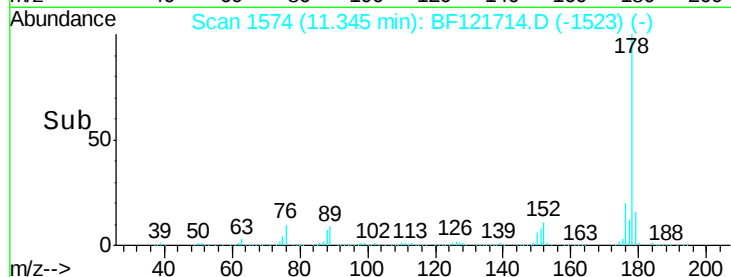
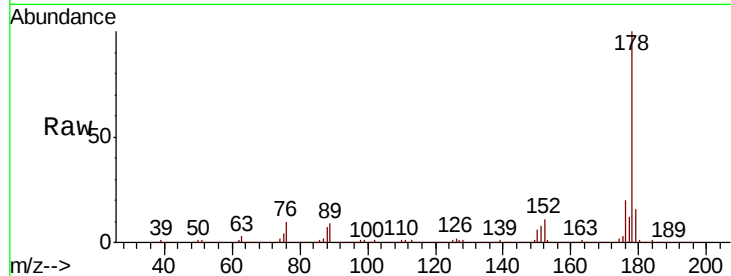
#71
Phenanthrene
Concen: 53.788 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Instrument :
BNA_F
ClientSampleId :
B-4(12-14)

Tot Ion:178 Resp: 1526675
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 15.7 12.5 18.7

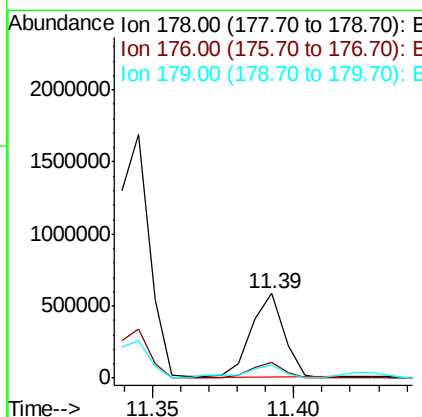
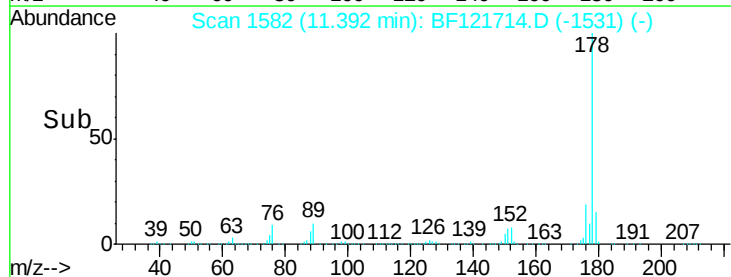
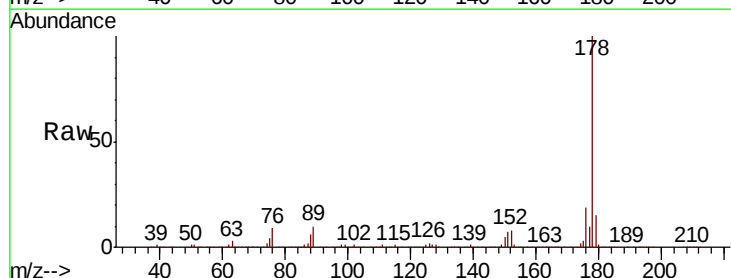
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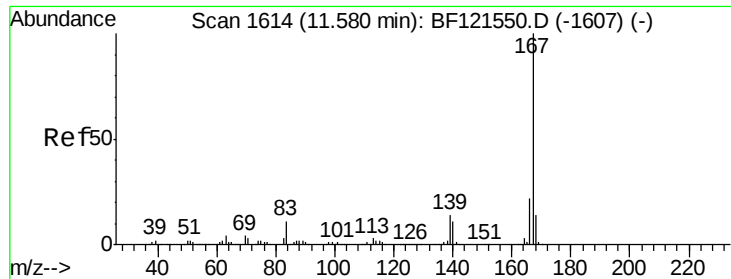
mohammad
9/29/2020 3:24:45 PM



#72
Anthracene
Concen: 15.934 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Tgt Ion:178 Resp: 466718
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.3 12.7 19.1





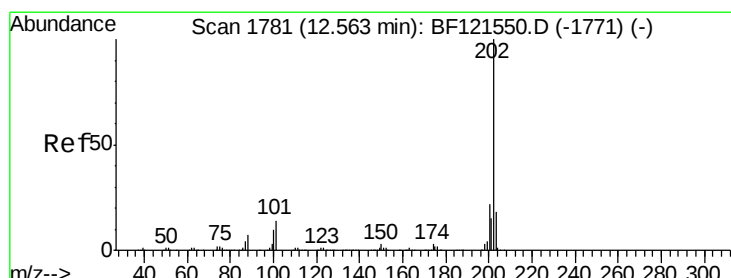
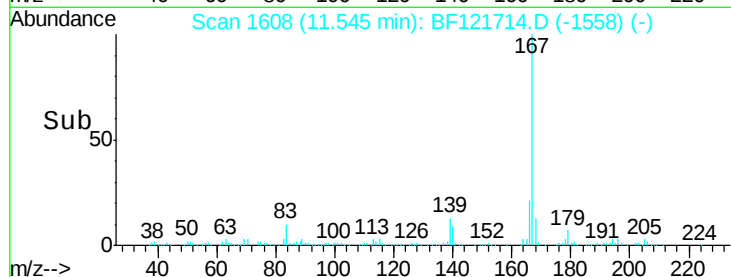
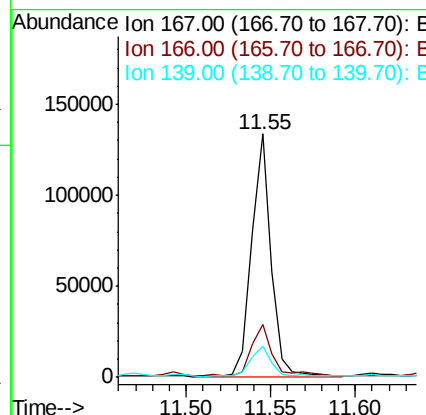
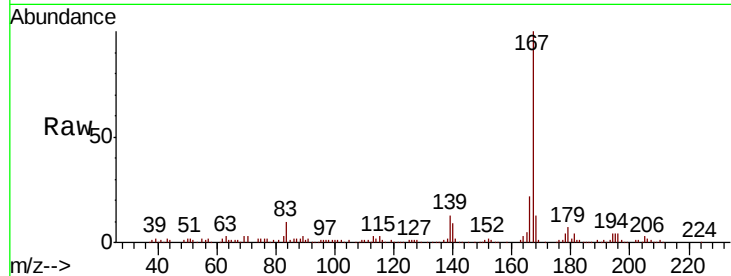
#73
 Carbazole
 Concen: 4.045 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF121714.D
 Acq: 28 Sep 2020 16:09

Instrument :
 BNA_F
 ClientSampleId :
 B-4(12-14)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	21.6	17.6	26.4		
139	12.9	10.7	16.1		

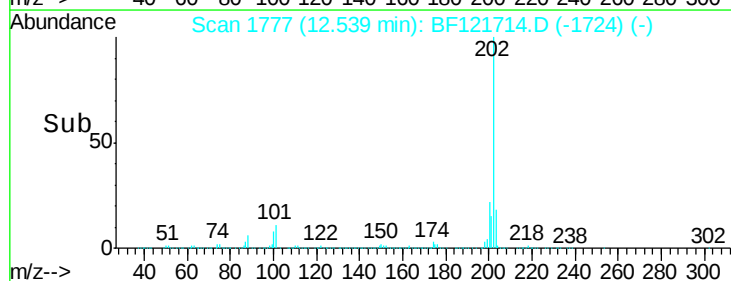
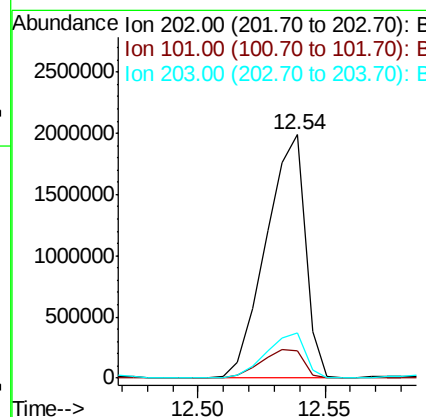
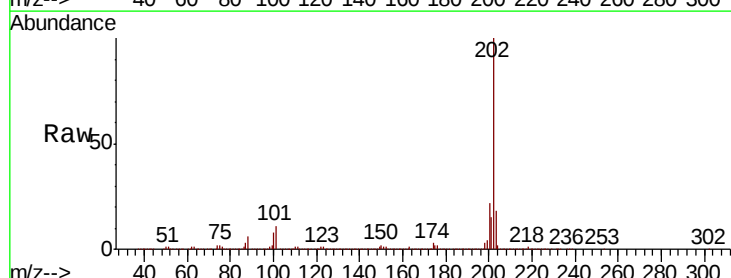
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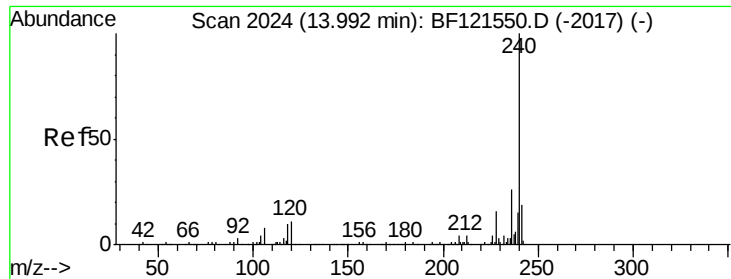
mohammad
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#75
 Fluoranthene
 Concen: 70.220 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF121714.D
 Acq: 28 Sep 2020 16:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.3	0.0	33.7		
203	18.3	0.0	38.5		





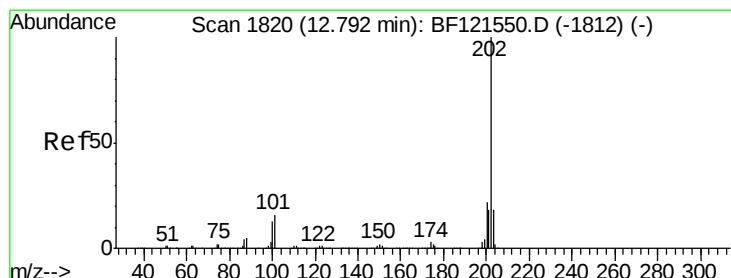
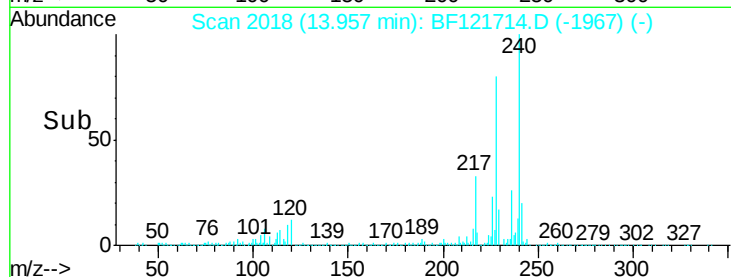
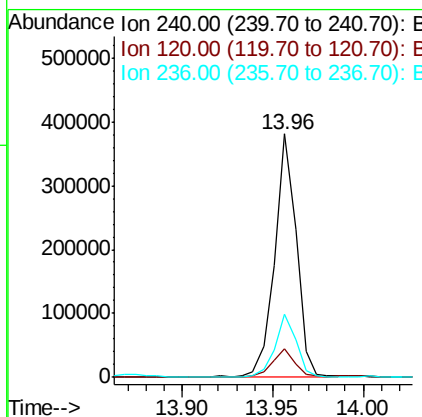
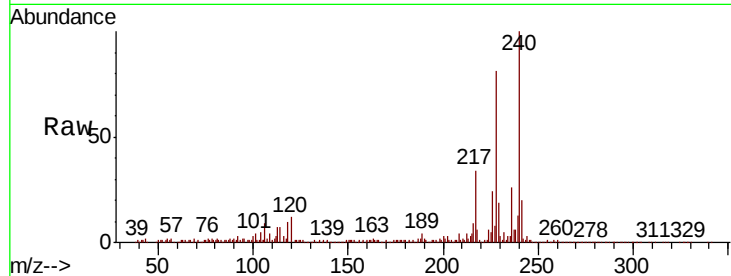
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Instrument :
BNA_F
ClientSampleId :
B-4(12-14)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.1	13.7
236	26.1	20.6	30.8

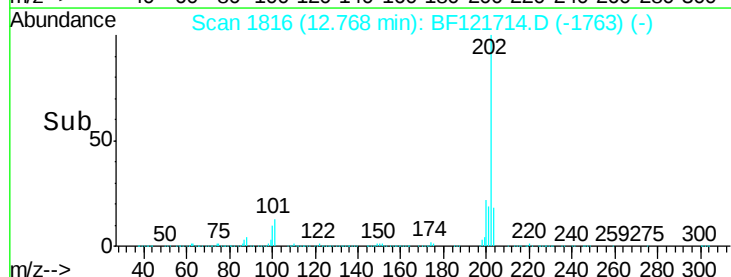
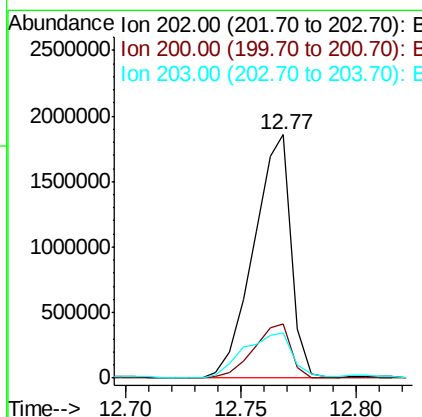
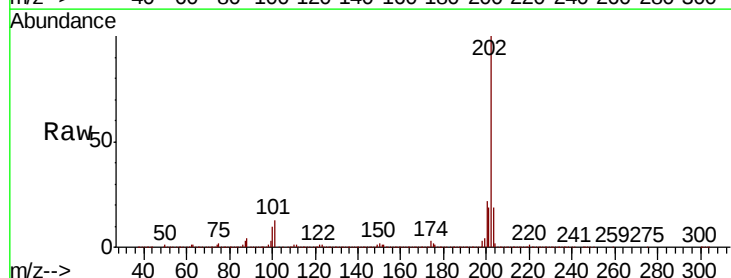
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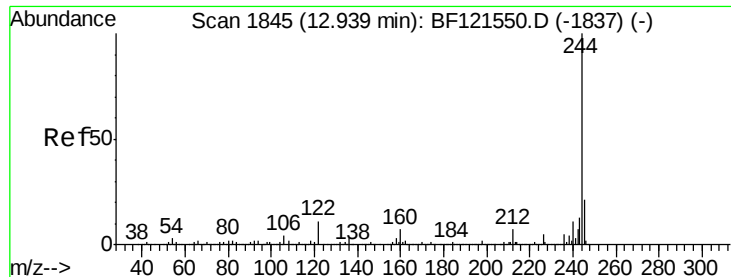
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#78
Pyrene
Concen: 90.575 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.8	26.8
203	18.8	14.3	21.5





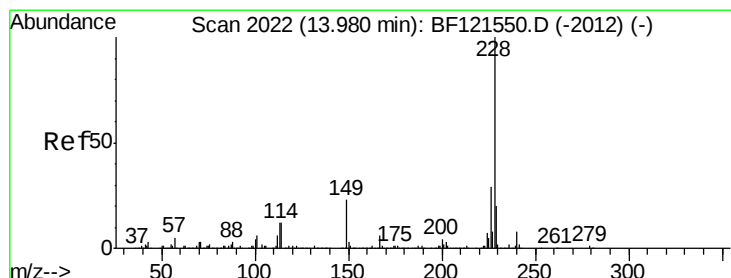
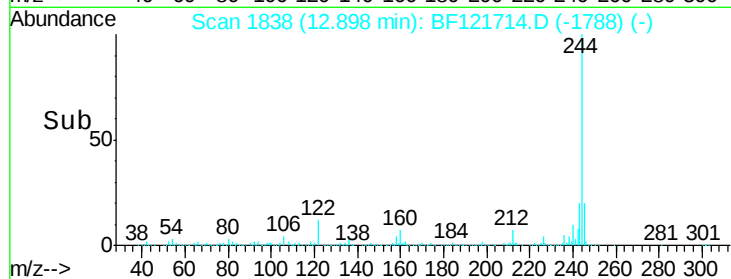
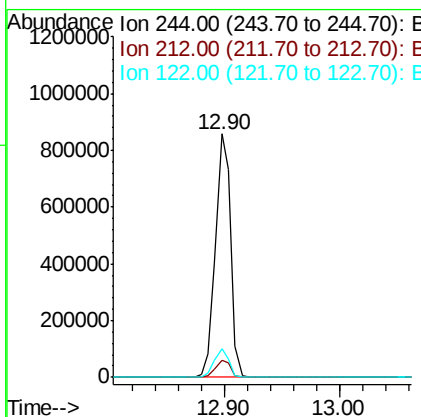
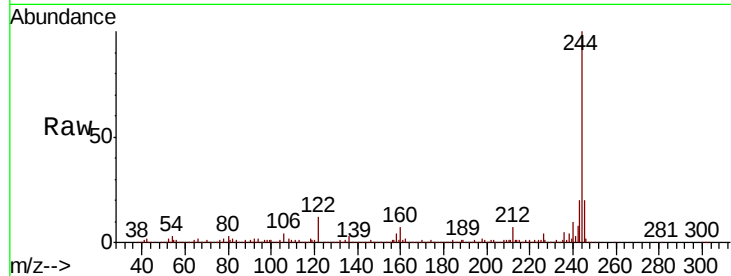
#79
 Terphenyl-d14
 Concen: 50.101 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF121714.D
 Acq: 28 Sep 2020 16:09

Instrument :
 BNA_F
 ClientSampled :
 B-4(12-14)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	12.0	8.0	12.0

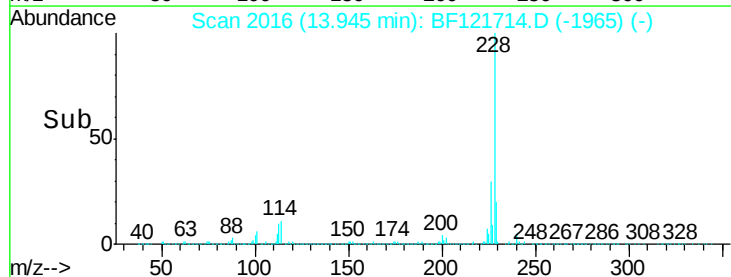
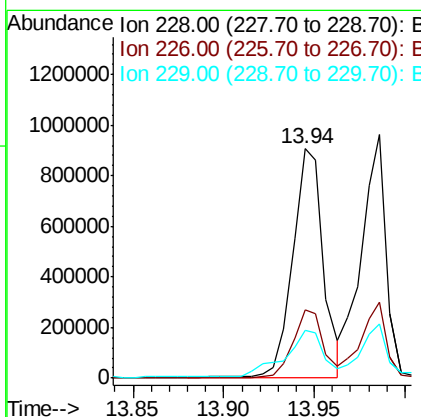
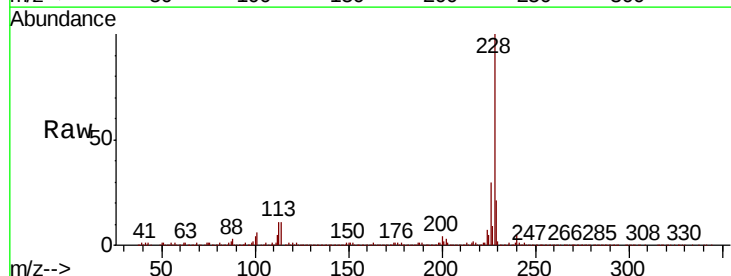
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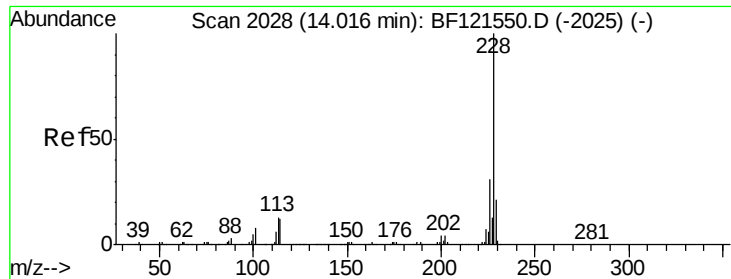
mohammad
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#81
 Benzo(a)anthracene
 Concen: 53.783 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF121714.D
 Acq: 28 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.5	33.7
229	20.9	16.2	24.4





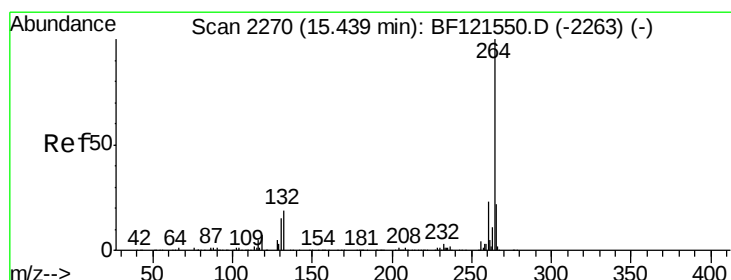
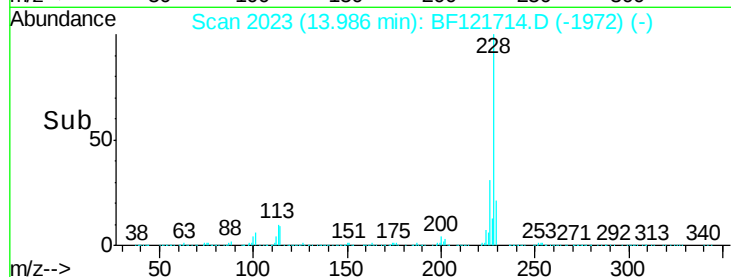
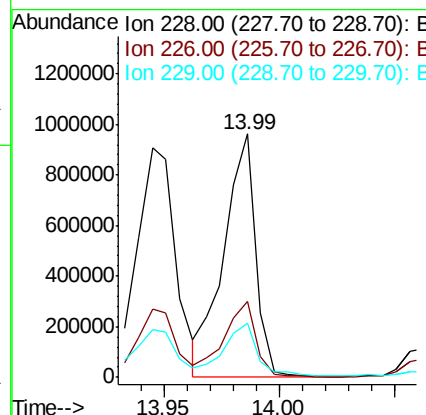
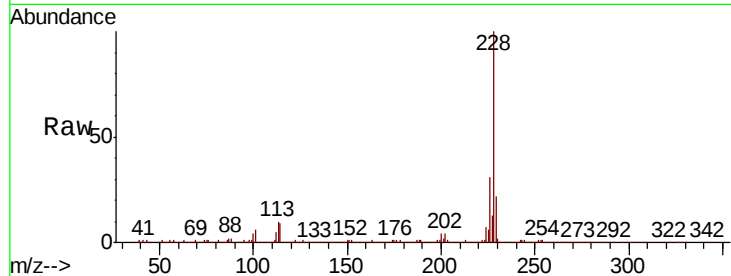
#83
Chrysene
Concen: 45.559 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Instrument :
BNA_F
ClientSampleId :
B-4(12-14)

Tot Ion:	228	Resp:	918643
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.4
229	22.2	16.0	24.0

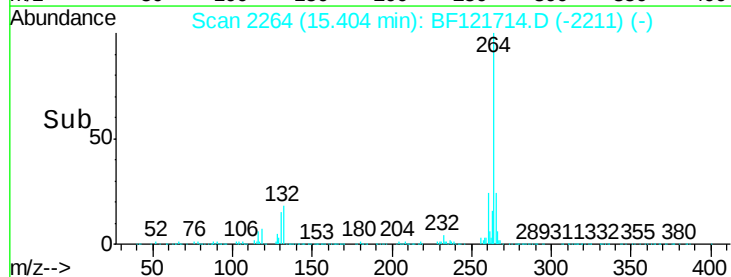
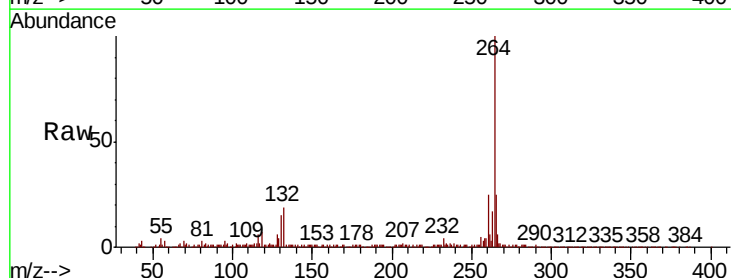
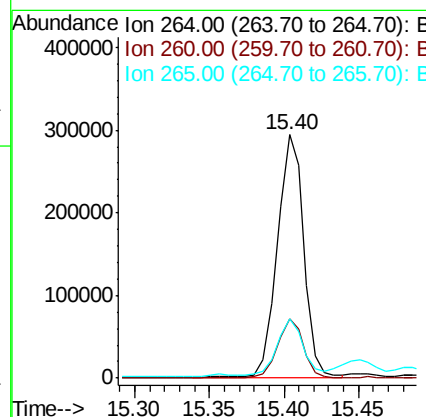
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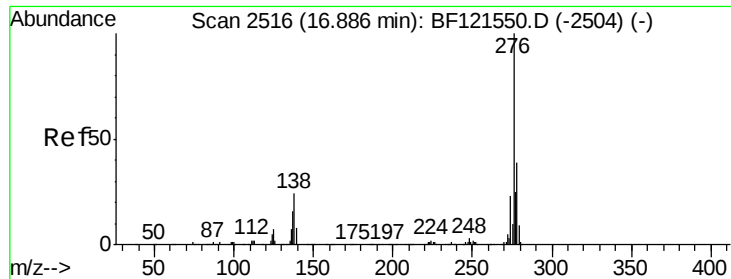
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Tgt Ion:	264	Resp:	362844
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.4	27.6
265	24.5	17.2	25.8





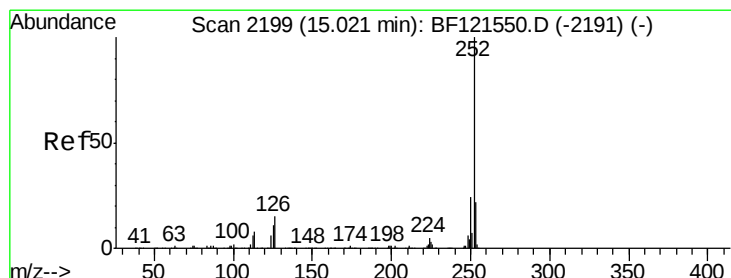
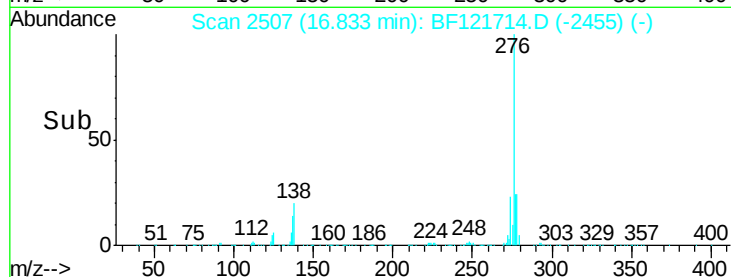
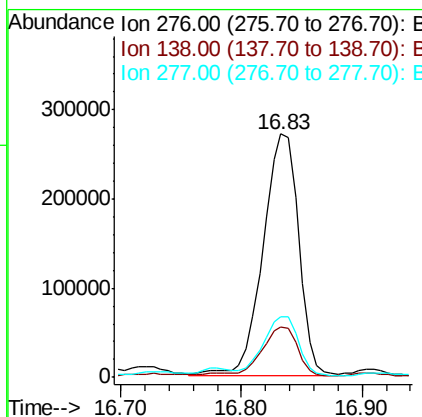
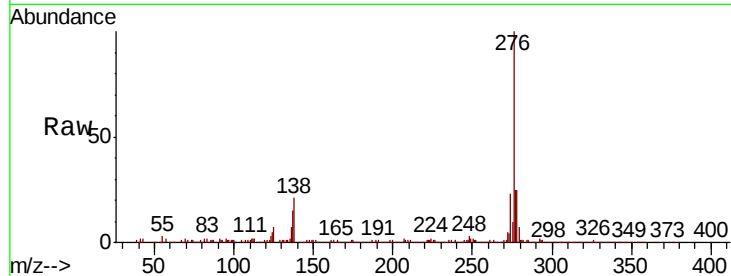
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 23.398 ng
 RT: 16.83 min Scan# 2507
 Delta R.T. 0.01 min
 Lab File: BF121714.D
 Acq: 28 Sep 2020 16:09

Instrument :
 BNA_F
 ClientSampleId :
 B-4(12-14)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.5	29.3
277	24.2	20.2	30.4

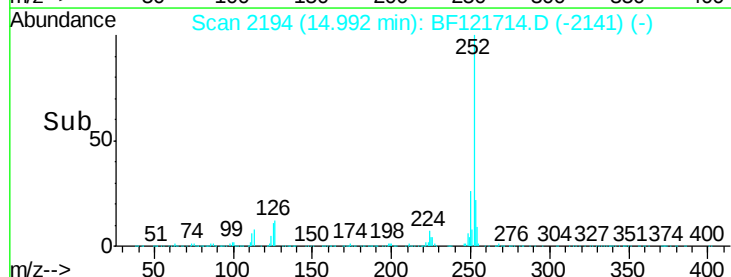
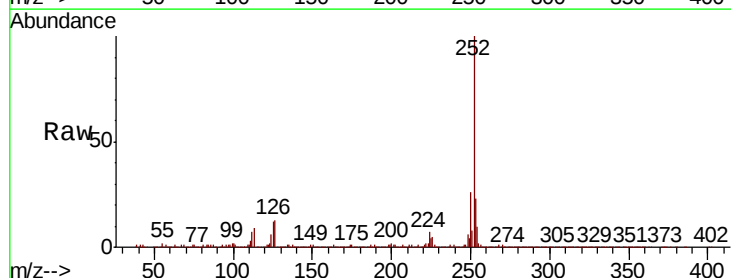
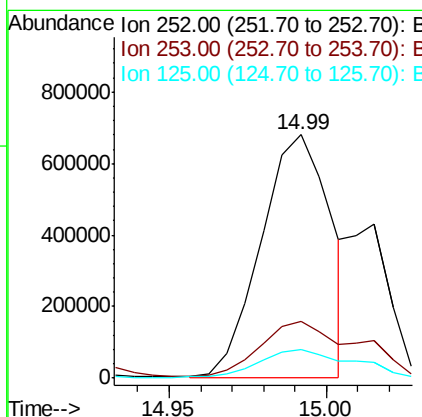
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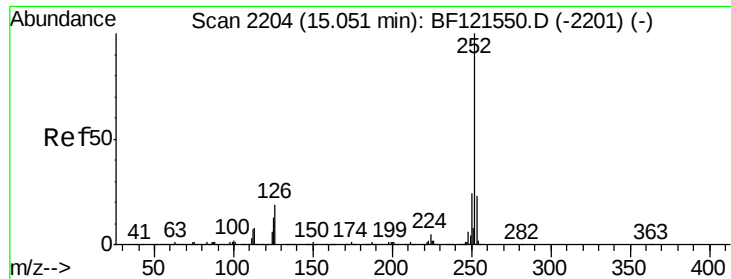
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 43.013 ng m
 RT: 14.99 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: BF121714.D
 Acq: 28 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.7	8.6	13.0





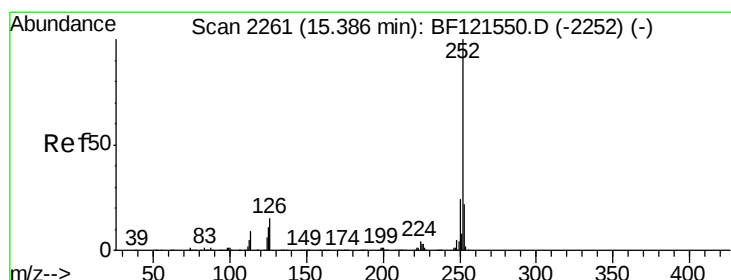
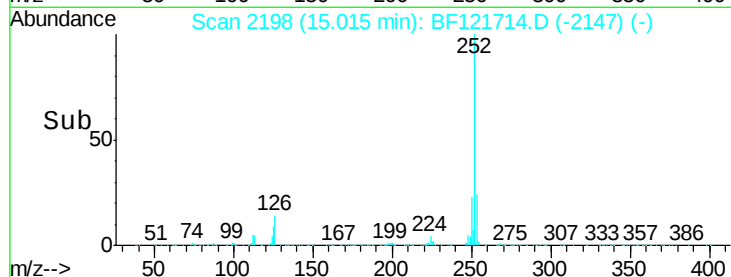
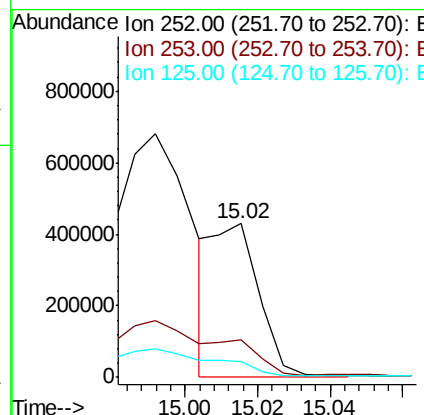
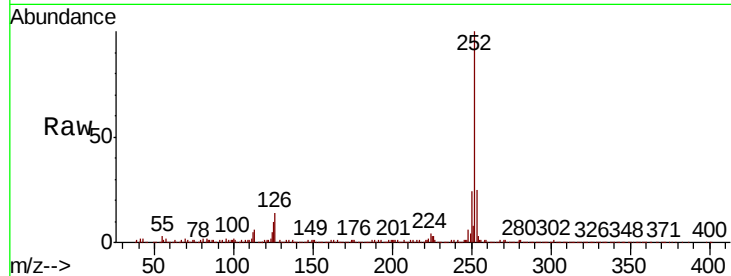
#89
Benzo(k)fluoranthene
Concen: 17.102 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Instrument :
BNA_F
ClientSampleId :
B-4(12-14)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.6	26.4
125	10.0	7.1	10.7

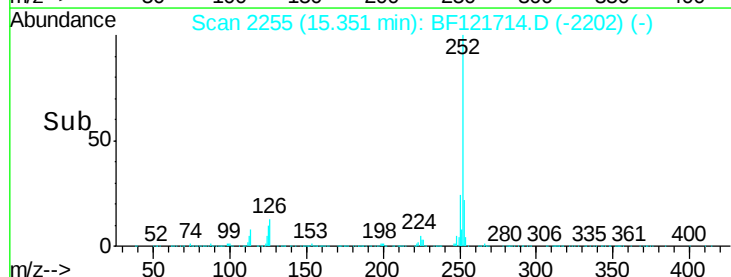
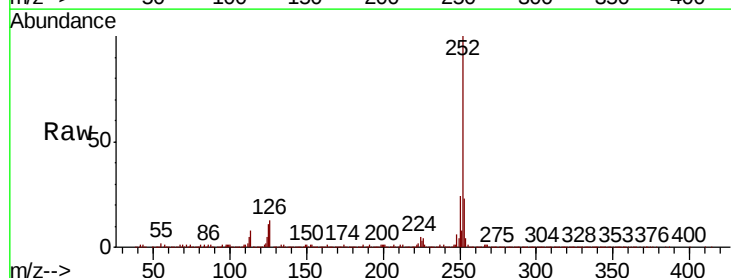
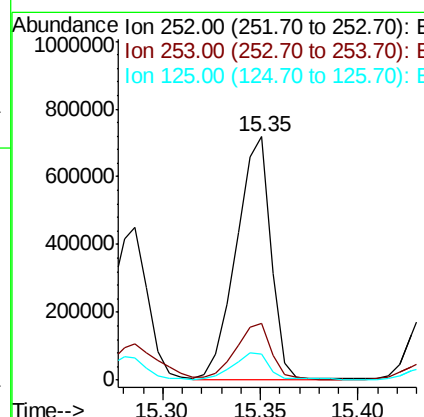
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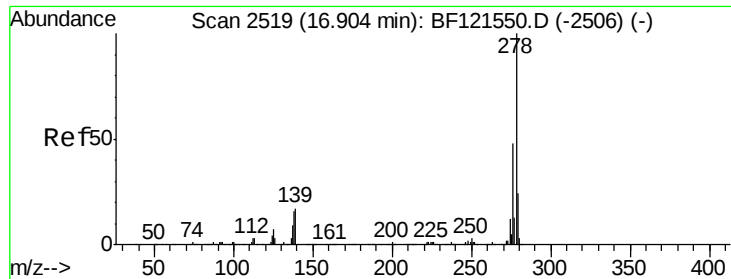
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#90
Benzo(a)pyrene
Concen: 42.690 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	10.5	9.2	13.8





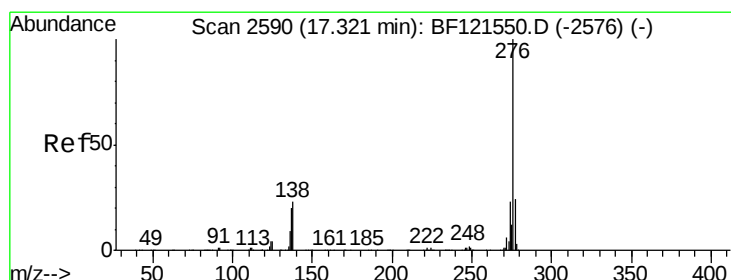
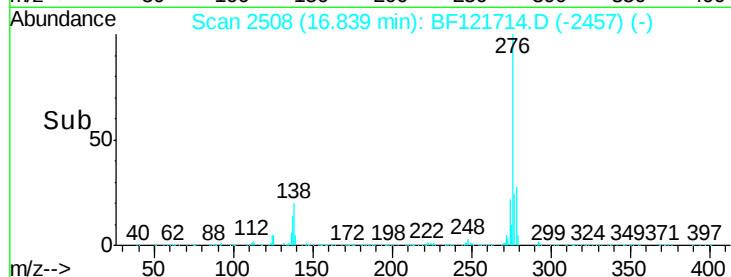
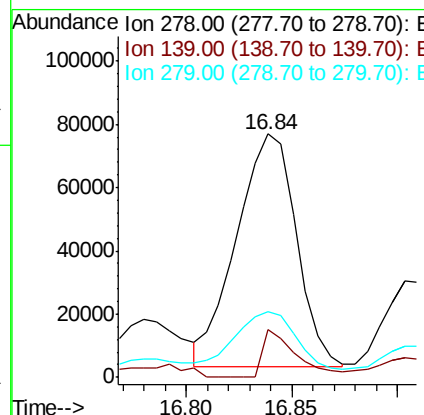
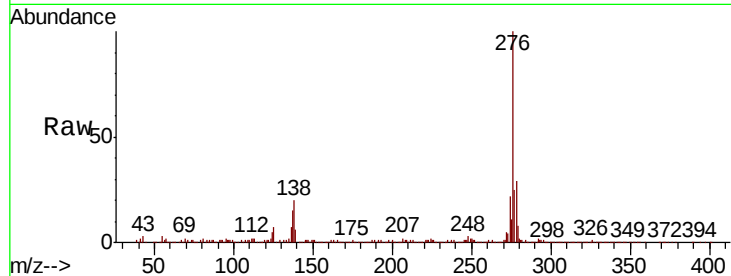
#91
Dibenzo(a,h)anthracene
Concen: 7.329 ng m
RT: 16.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Instrument :
BNA_F
ClientSampleId :
B-4(12-14)

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.6	13.0	19.4#
279	27.2	19.3	28.9

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#92
Benzo(g,h,i)perylene
Concen: 26.372 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.01 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	22.1	16.6	25.0

