

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042120\
 Data File : BF120114.D
 Acq On : 21 Apr 2020 20:41
 Operator : MA/SJ
 Sample : L2330-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-10-2

Manual Integrations
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mohammad
 4/24/2020 4:17:17 AM

Quant Time: Apr 22 03:51:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 13:48:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	143130	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	527026	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	243201	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	356705	20.00	ng	0.00
76) Chrysene-d12	13.87	240	283319	20.00	ng	0.00
87) Perylene-d12	15.29	264	249936	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	588933	71.11	ng	0.00
7) Phenol-d6	6.33	99	750449	70.32	ng	0.00
23) Nitrobenzene-d5	7.26	82	469363	46.07	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	138870	46.64	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	864690	50.48	ng	0.00
79) Terphenyl-d14	12.81	244	658813	39.13	ng	0.00
Target Compounds						
22) Acetophenone	7.10	105	37548	3.042	ng	Qvalue # 87
31) Naphthalene	8.00	128	1220783	44.027	ng	99
37) 2-Methylnaphthalene	8.69	142	269547	14.338	ng	99
38) 1-Methylnaphthalene	8.79	142	257744	14.546	ng	98
46) 1,1'-Biphenyl	9.16	154	73561	3.584	ng	100
49) Acenaphthylene	9.59	152	71218	2.961	ng	# 89
50) Dimethylphthalate	9.46	163	117477	6.245	ng	99
52) Acenaphthene	9.77	154	155951	9.721	ng	95
55) Dibenzofuran	9.94	168	105531	4.794	ng	# 87
58) Fluorene	10.29	166	209187	11.882	ng	98
71) Phenanthrene	11.25	178	815768	42.971	ng	99
72) Anthracene	11.30	178	186189	9.601	ng	98
73) Carbazole	11.46	167	37868	2.065	ng	# 82
75) Fluoranthene	12.44	202	558701	27.275	ng	98
78) Pyrene	12.67	202	644332	26.977	ng	99
81) Benzo(a)anthracene	13.86	228	240068	12.880	ng	# 91
83) Chrysene	13.89	228	243587m	12.862	ng	
86) Indeno(1,2,3-cd)pyrene	16.66	276	89620	5.368	ng	99
88) Benzo(b)fluoranthene	14.89	252	217738m	12.110	ng	
89) Benzo(k)fluoranthene	14.91	252	61812m	3.984	ng	
90) Benzo(a)pyrene	15.23	252	166214	10.995	ng	# 96
92) Benzo(g,h,i)perylene	17.07	276	96954	7.335	ng	96

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

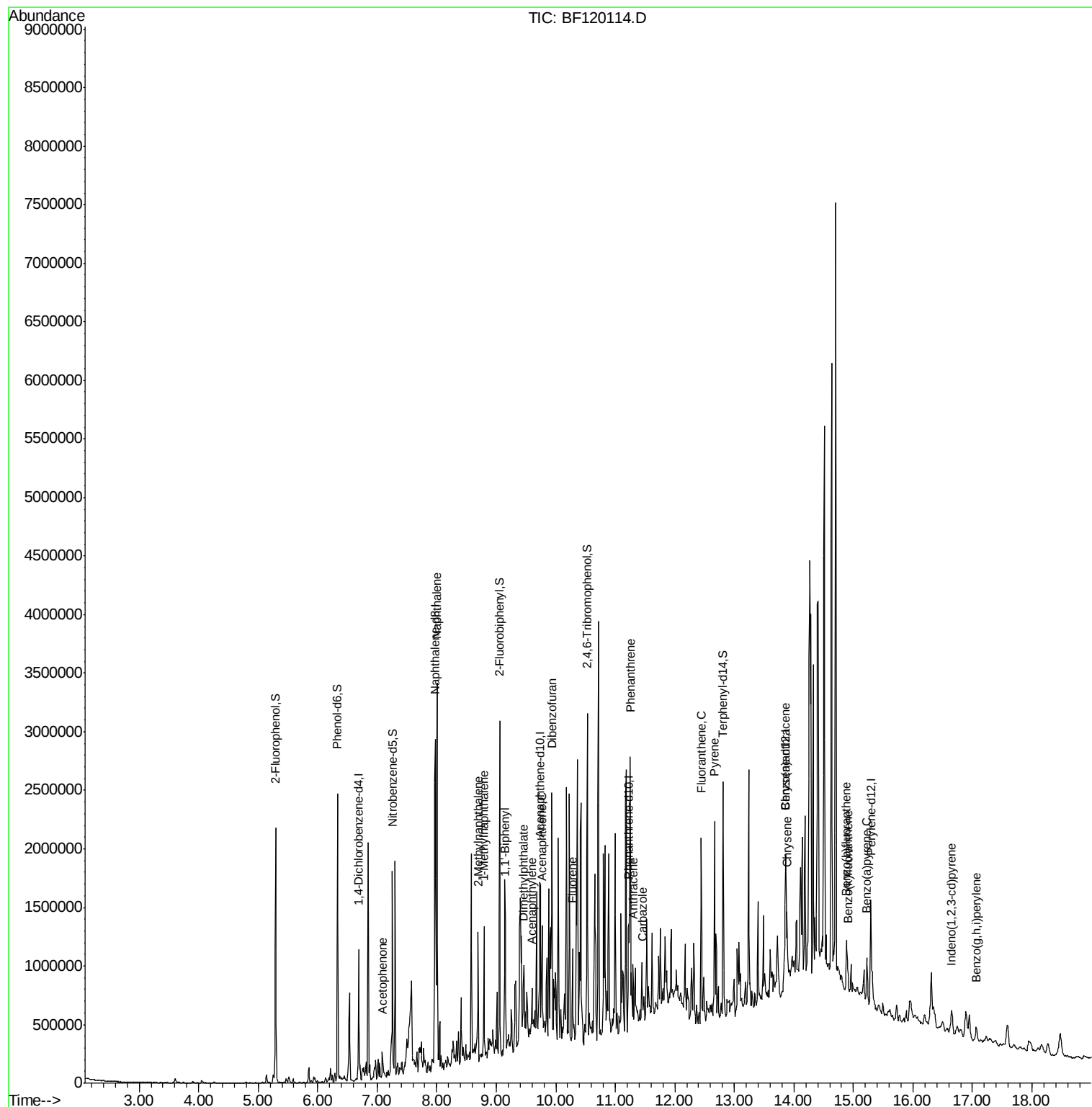
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042120\
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Operator : MA/SJ
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ALS Vial : 18 Sample Multiplier: 1

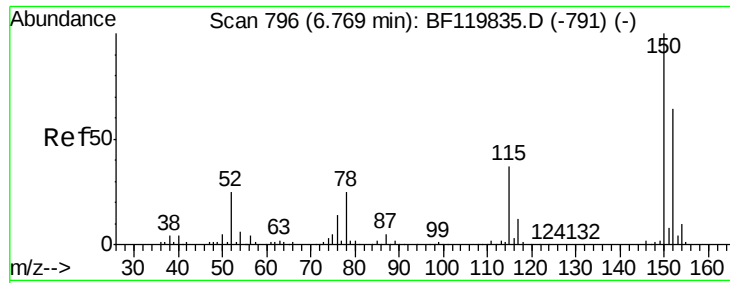
Instrument :
BNA_F
ClientSampleId :
WB-10-2

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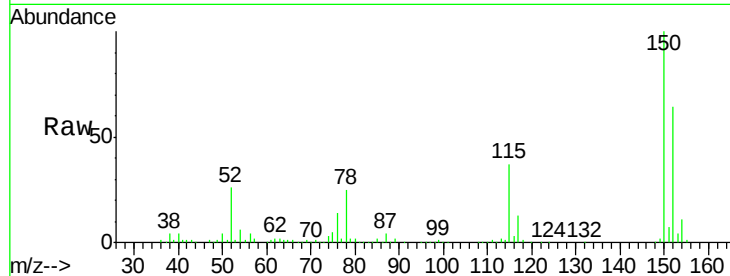
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF120114.D
 Acq: 21 Apr 2020 20:41

Instrument :
 BNA_F
 ClientSampleId :
 WB-10-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.8	187.2
115	58.0	46.5	69.7

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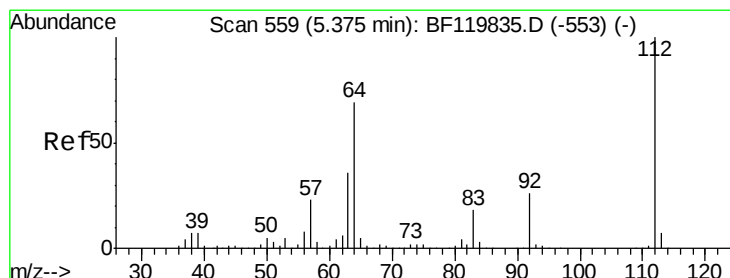
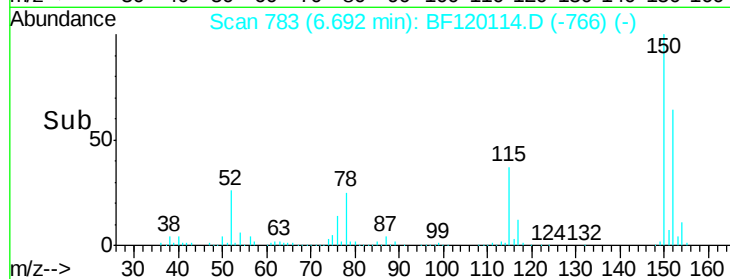
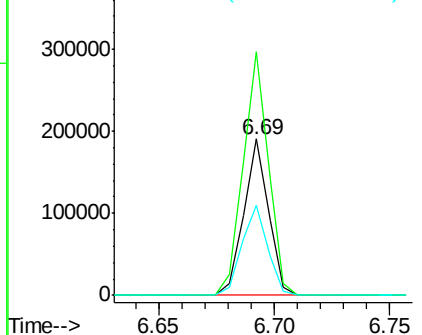


Abundance

Ion 152.00 (151.70 to 152.70): E

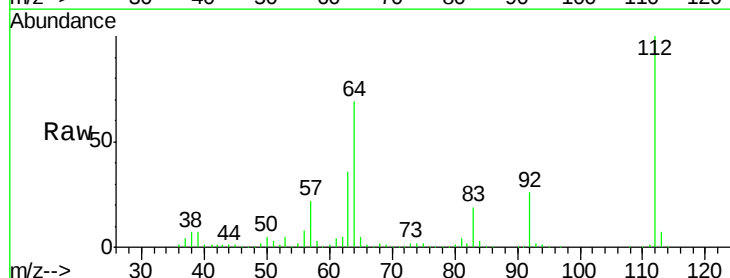
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 71.109 ng
 RT: 5.29 min Scan# 545
 Delta R.T. -0.00 min
 Lab File: BF120114.D
 Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	55.5	83.3
63	36.1	29.1	43.7

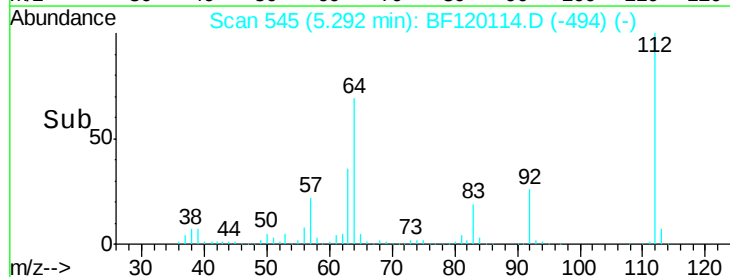
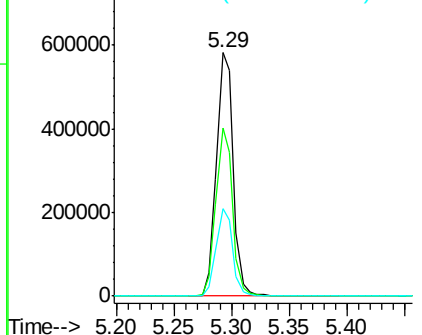


Abundance

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: 70.320 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF120114.D

Acq: 21 Apr 2020 20:41

Instrument :

BNA_F

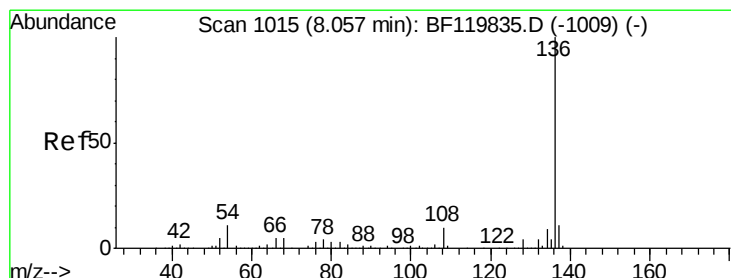
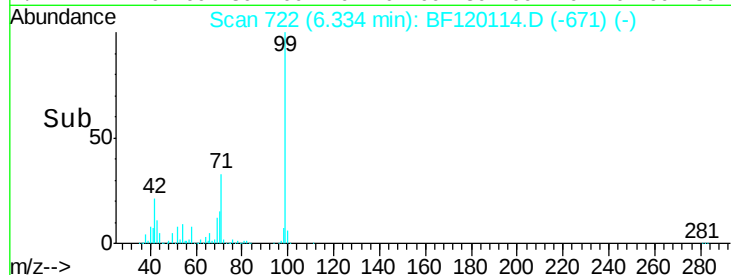
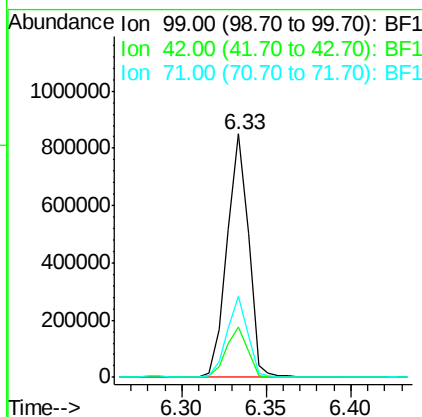
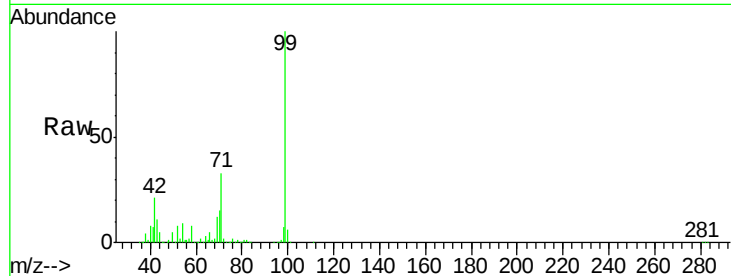
ClientSampleId :

WB-10-2

Tot Ion:	99	Resp:	750449
Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.9	25.3
71	33.2	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

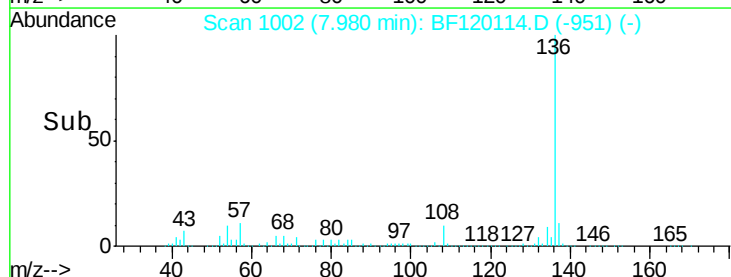
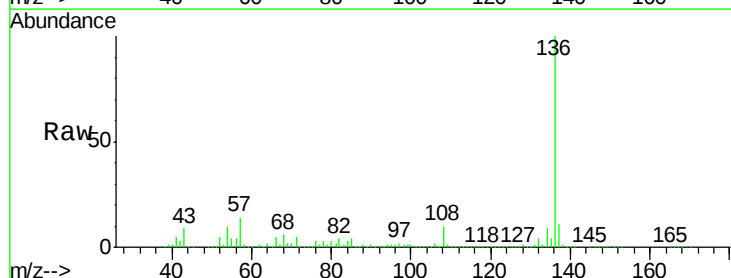
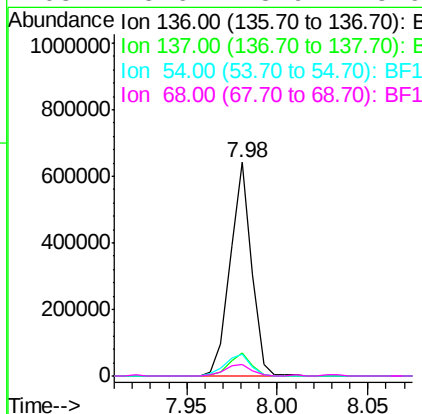
RT: 7.98 min Scan# 1002

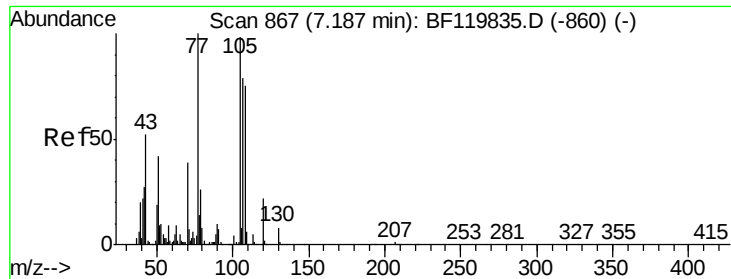
Delta R.T. -0.00 min

Lab File: BF120114.D

Acq: 21 Apr 2020 20:41

Tgt Ion:	136	Resp:	527026
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	10.4	8.5	12.7
68	5.6	3.9	5.9





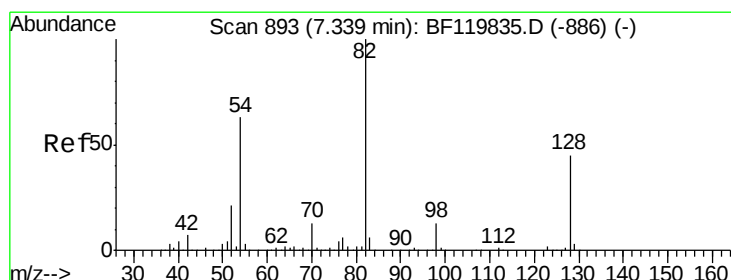
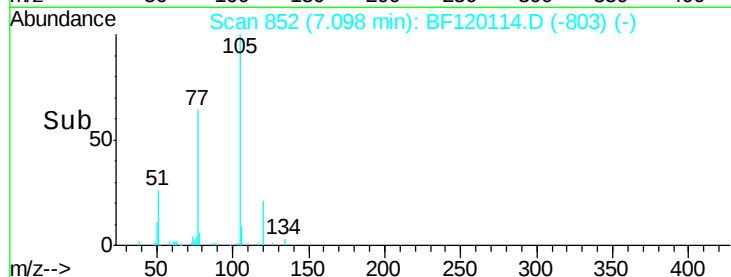
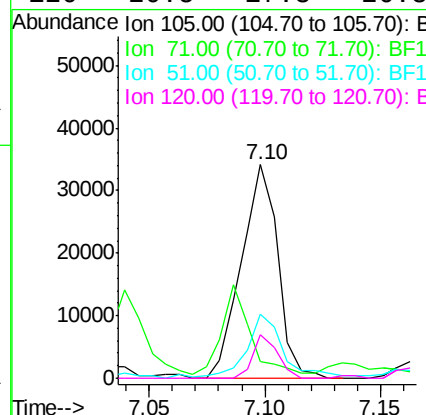
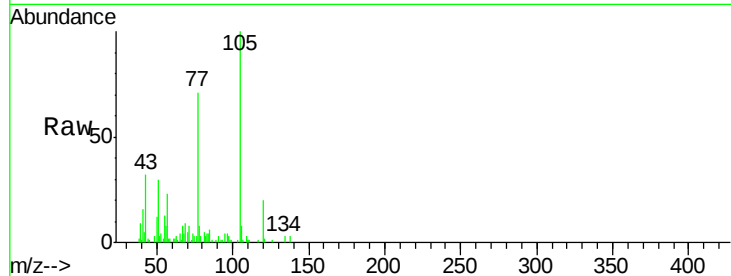
#22
Acetophenone
Concen: 3.042 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Instrument :
BNA_F
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Lower	Upper
105	100		
71	7.8	5.6	8.4
51	29.8	33.9	50.9
120	20.5	17.8	26.8

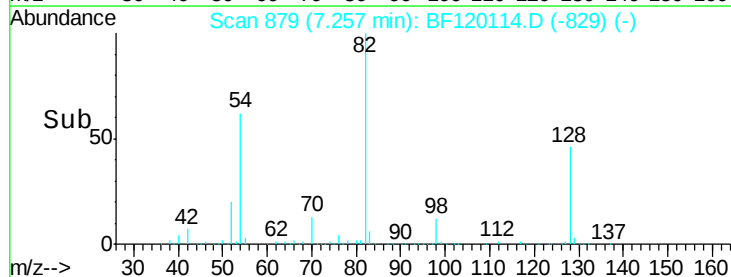
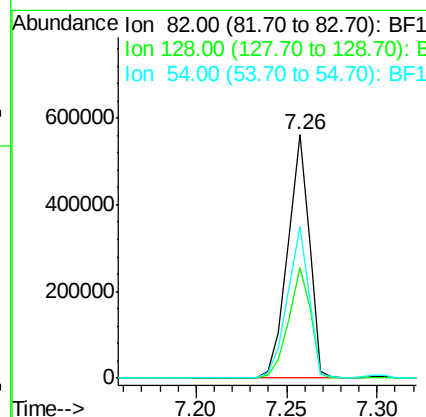
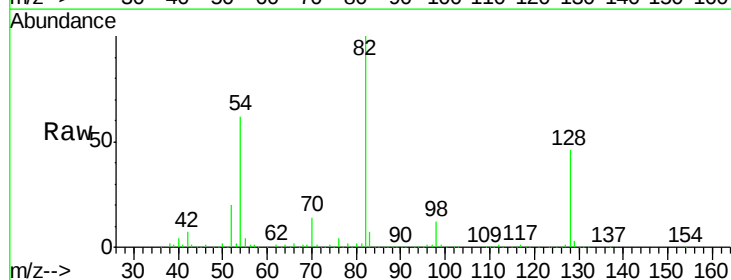
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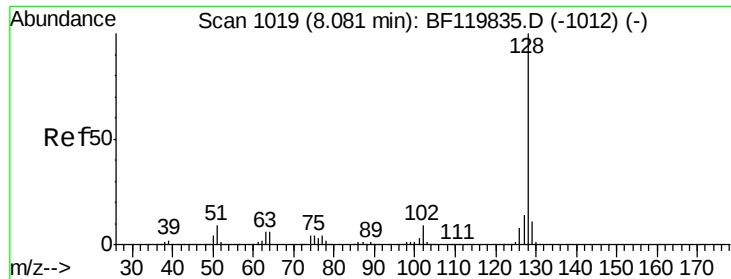
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#23
Nitrobenzene-d5
Concen: 46.073 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.2	54.4
54	62.3	50.4	75.6





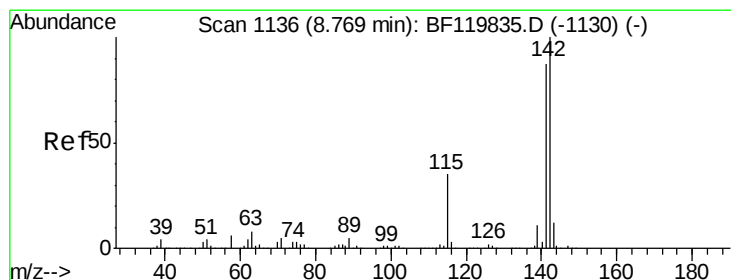
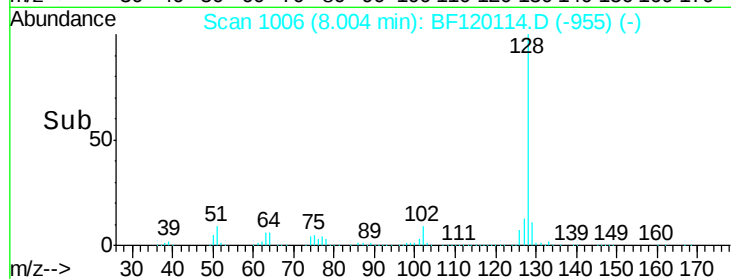
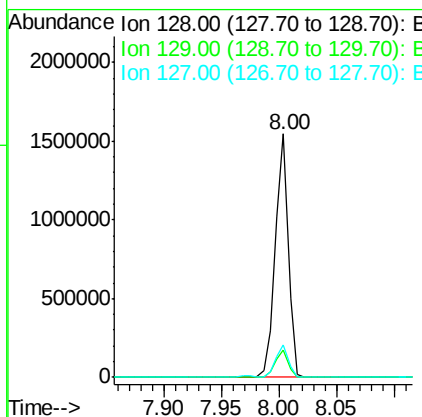
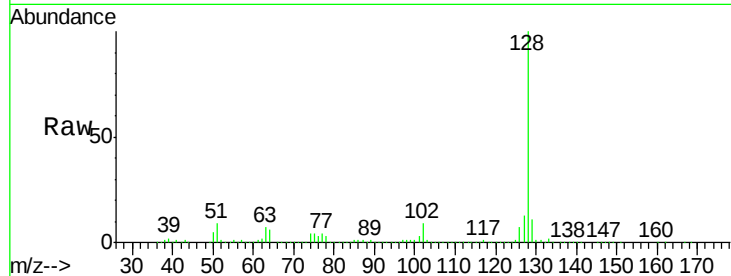
#31
Naphthalene
Concen: 44.027 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Instrument :
BNA_F
ClientSampleId :
WB-10-2

Tot Ion:128 Resp: 1220783
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.4 11.0 16.4

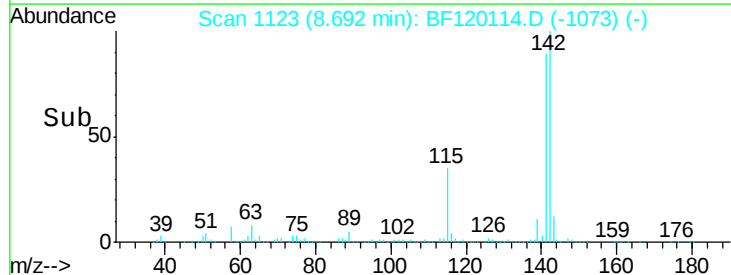
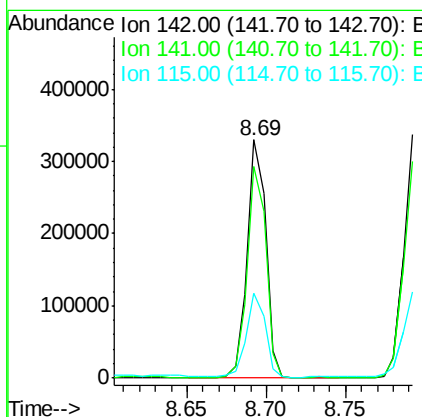
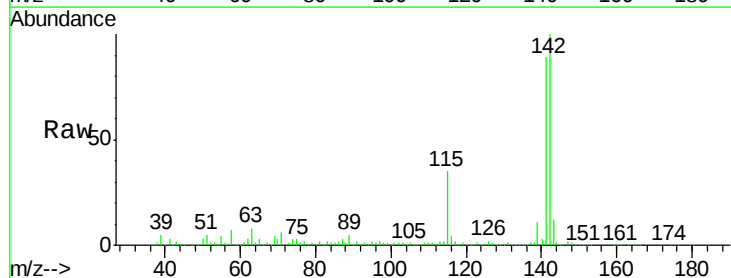
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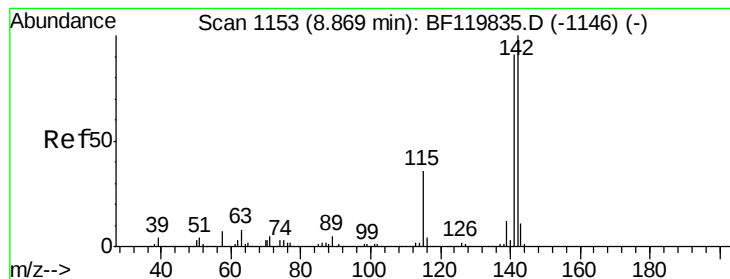
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#37
2-Methylnaphthalene
Concen: 14.338 ng
RT: 8.69 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Tgt Ion:142 Resp: 269547
Ion Ratio Lower Upper
142 100
141 88.8 69.9 104.9
115 35.5 28.0 42.0





#38

1-Methylnaphthalene

Concen: 14.546 ng

RT: 8.79 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BF120114.D

Acq: 21 Apr 2020 20:41

Instrument :

BNA_F

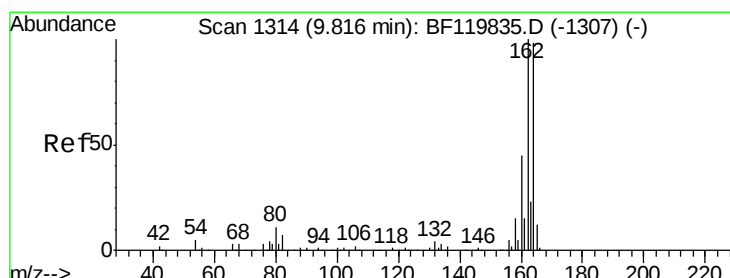
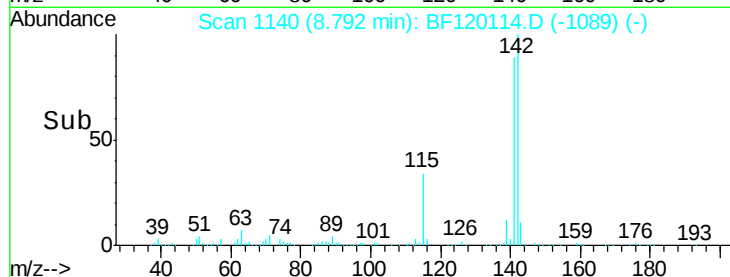
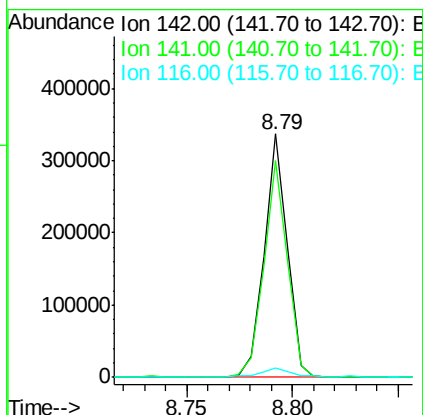
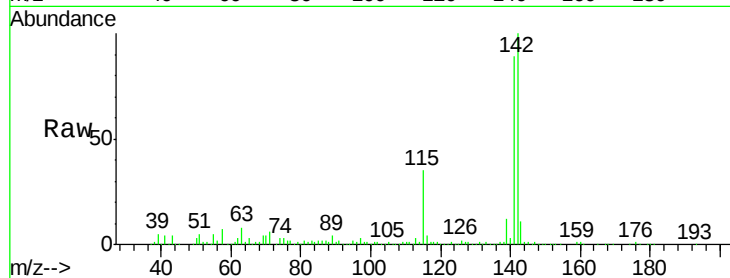
ClientSampleId :

WB-10-2

Tot Ion:	142	Resp:	257744
Ion Ratio	Lower	Upper	
142	100		
141	89.2	72.9	109.3
116	3.6	3.0	4.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

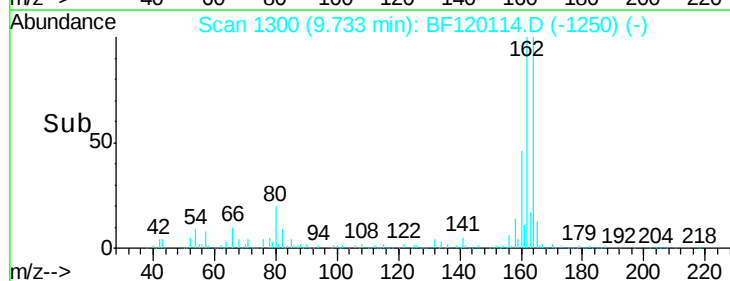
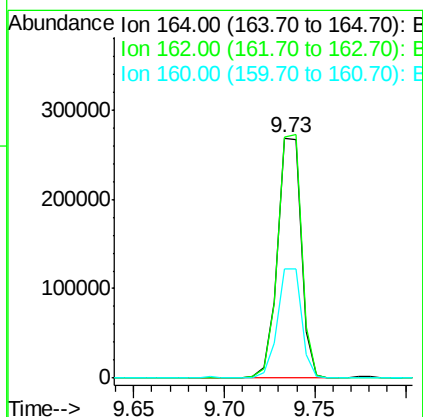
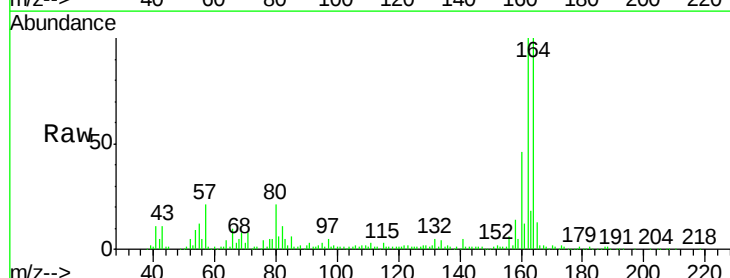
RT: 9.73 min Scan# 1300

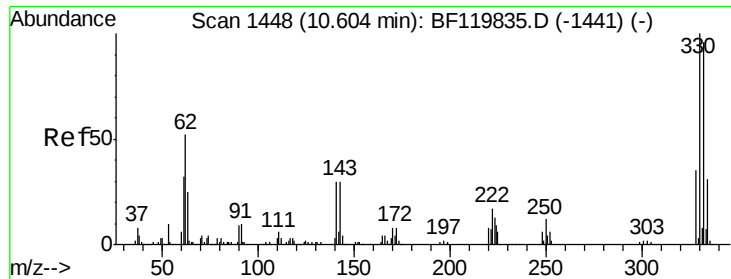
Delta R.T. -0.01 min

Lab File: BF120114.D

Acq: 21 Apr 2020 20:41

Tgt Ion:	164	Resp:	243201
Ion Ratio	Lower	Upper	
164	100		
162	100.5	81.9	122.9
160	45.8	36.6	54.8





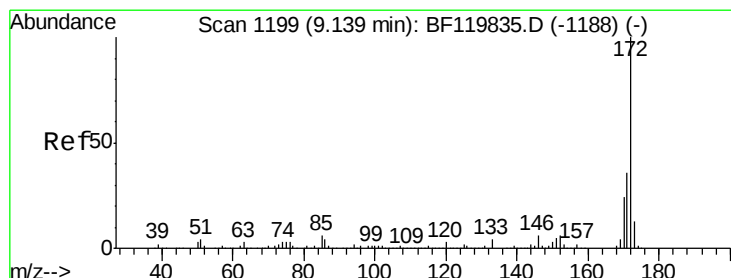
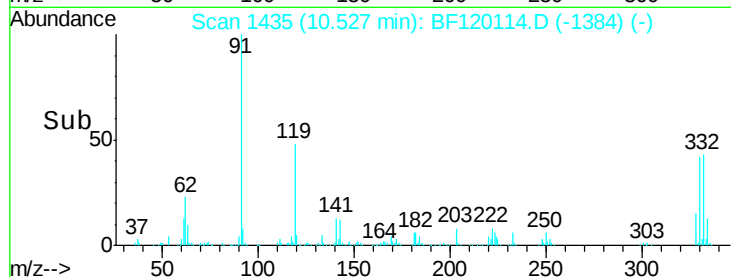
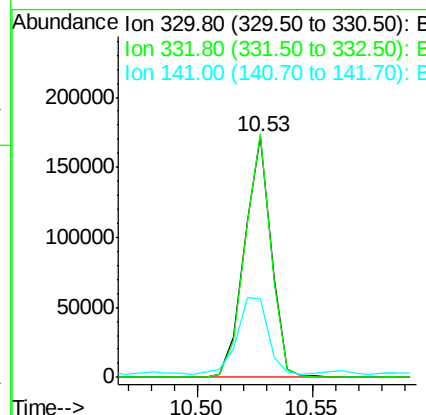
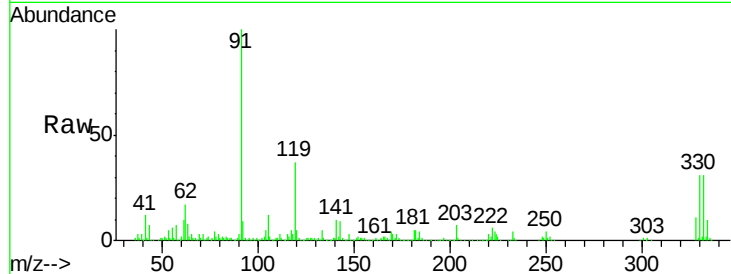
#42
 2,4,6-Tribromophenol
 Concen: 46.638 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BF120114.D
 Acq: 21 Apr 2020 20:41

Instrument :
 BNA_F
 ClientSampleId :
 WB-10-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	138870		
332	98.6	76.8	115.2	
141	36.8	25.1	37.7	

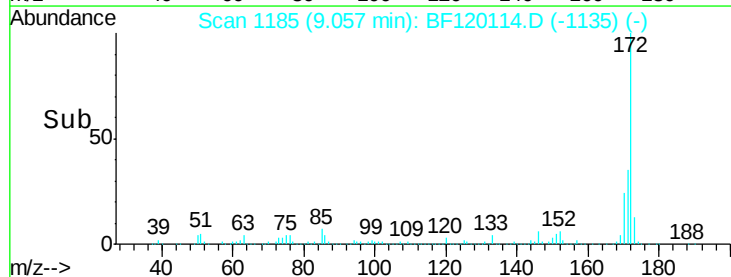
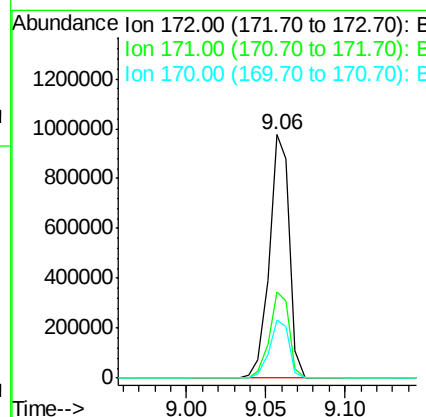
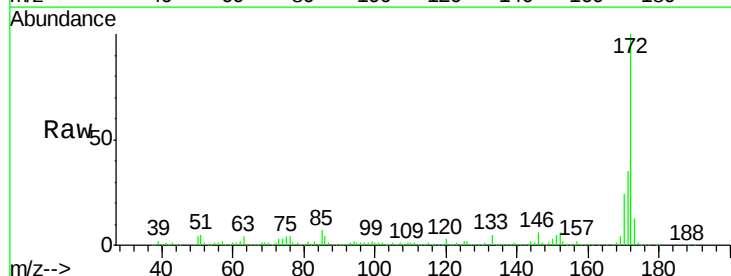
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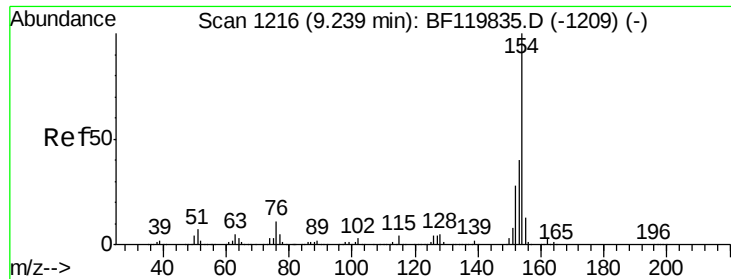
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#45
 2-Fluorobiphenyl
 Concen: 50.480 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF120114.D
 Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	864690		
171	35.5	28.9	43.3	
170	23.9	19.4	29.2	





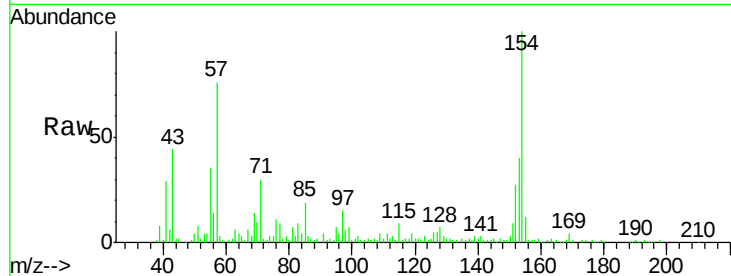
#46
1,1'-Biphenyl
Concen: 3.584 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Instrument :
BNA_F
ClientSampleId :
WB-10-2

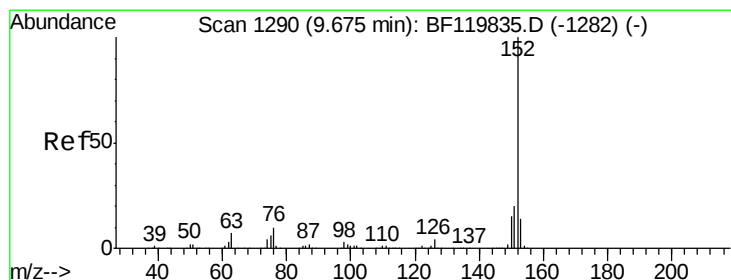
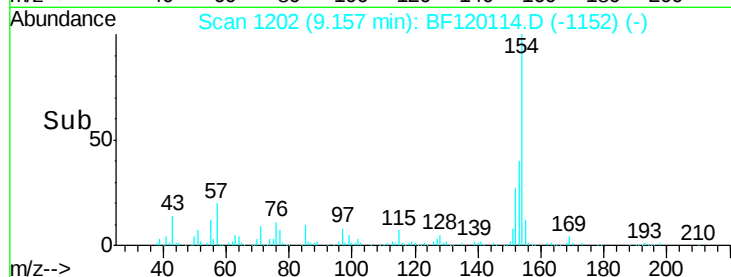
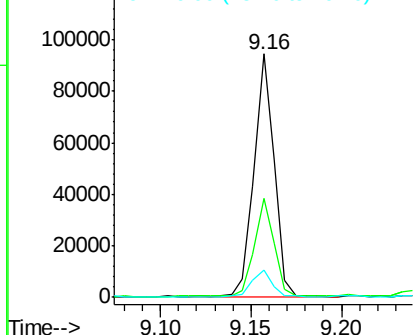
Tot Ion:	154	Resp:	73561
Ion Ratio	Lower	Upper	
154	100		
153	40.4	20.5	60.5
76	11.2	0.0	30.6

Manual Integrations
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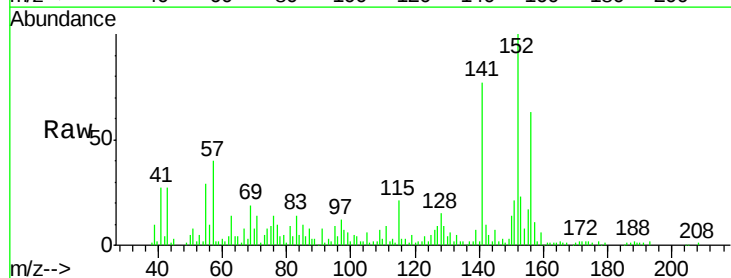


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

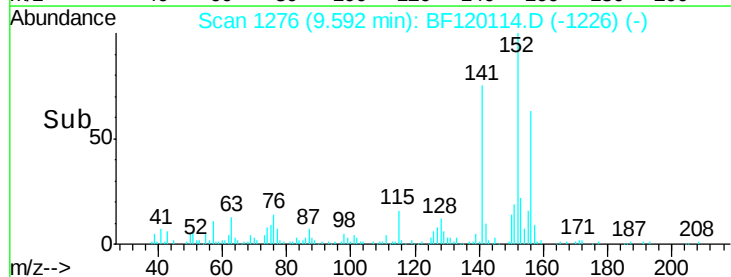
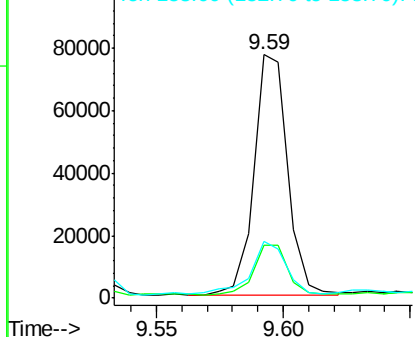


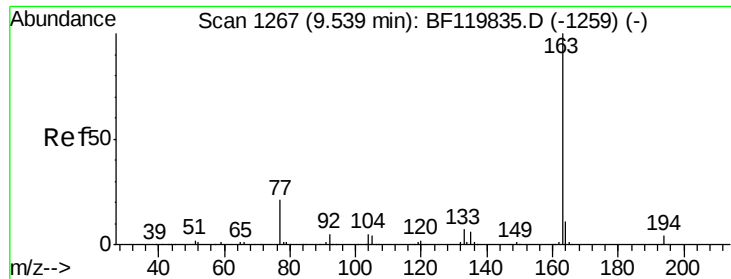
#49
Acenaphthylene
Concen: 2.961 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Tgt Ion:	152	Resp:	71218
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.2	24.4
153	23.4	10.9	16.3#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





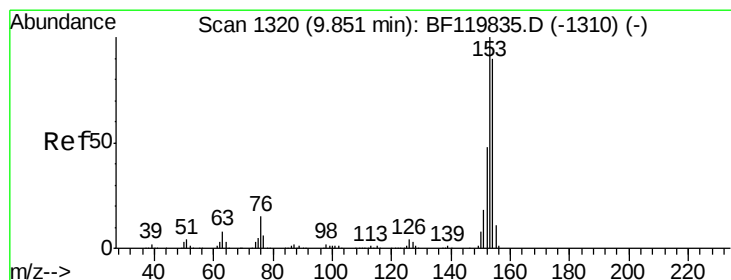
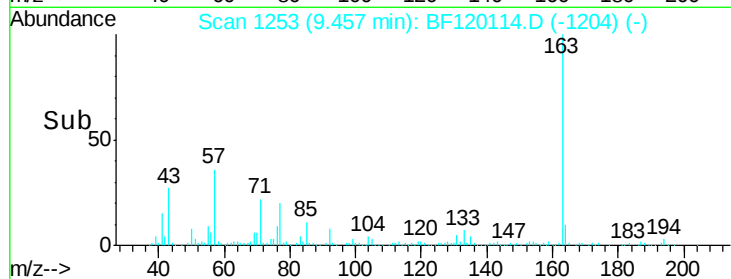
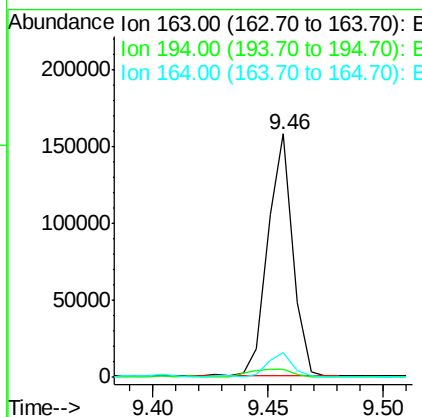
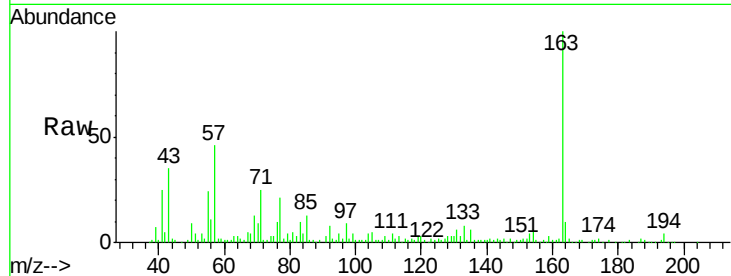
#50
Dimethylphthalate
Concen: 6.245 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Instrument :
BNA_F
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	117477		
194	3.5		3.0	4.4
164	10.0		8.4	12.6

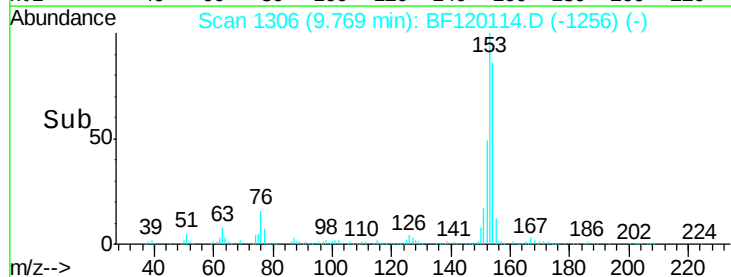
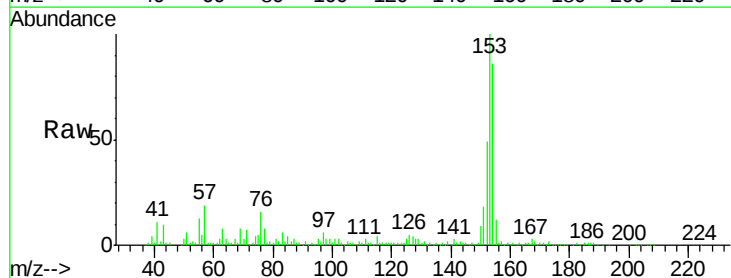
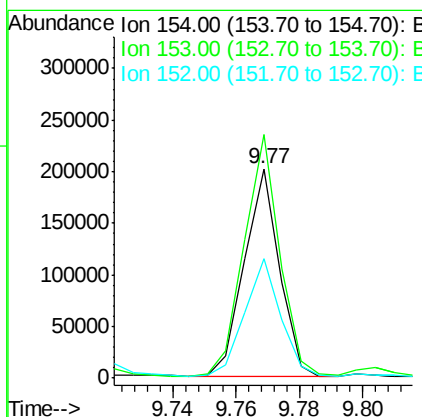
Manual Integrations
APPROVED

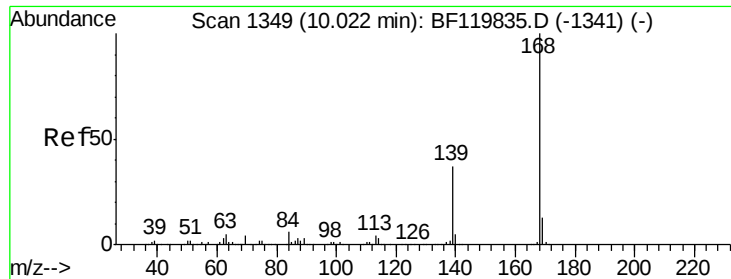
mohammad
4/24/2020 4:17:17 AM



#52
Acenaphthene
Concen: 9.721 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	155951		
153	116.3		88.8	133.2
152	57.2		42.4	63.6





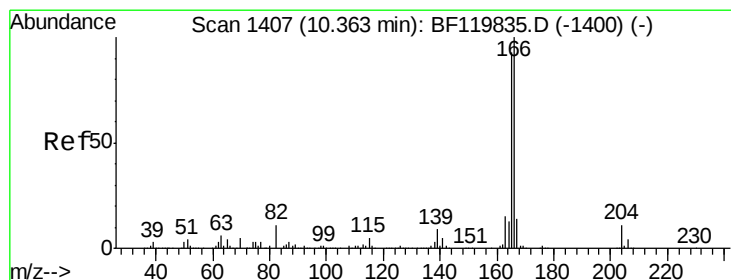
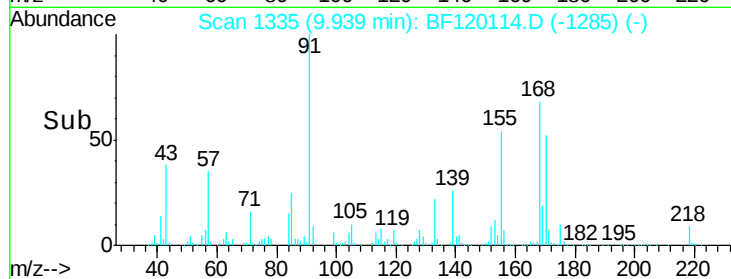
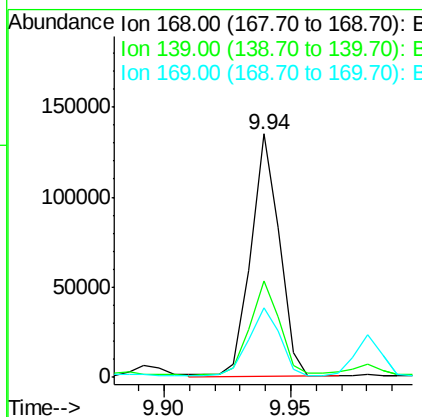
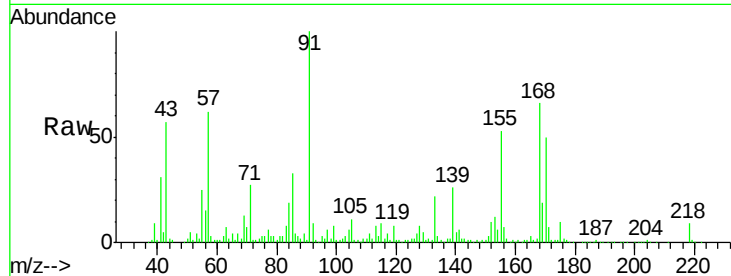
#55
Dibenzofuran
Concen: 4.794 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Instrument :
BNA_F
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.4	29.8	44.6
169	28.5	10.6	15.8

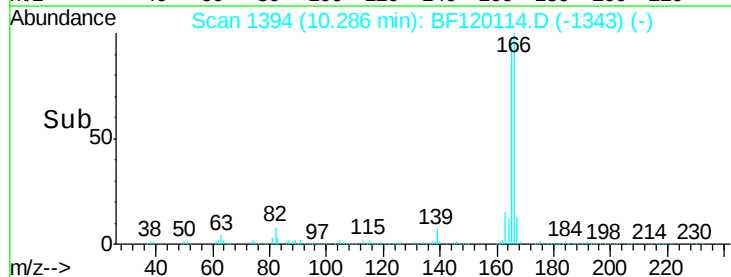
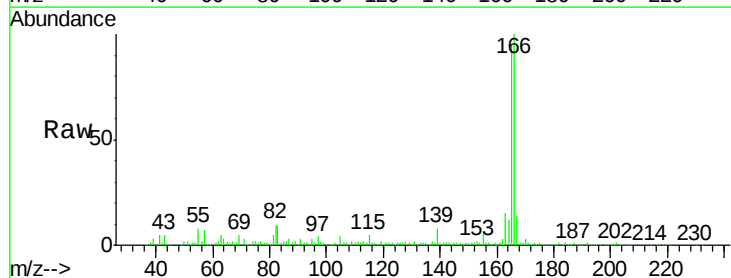
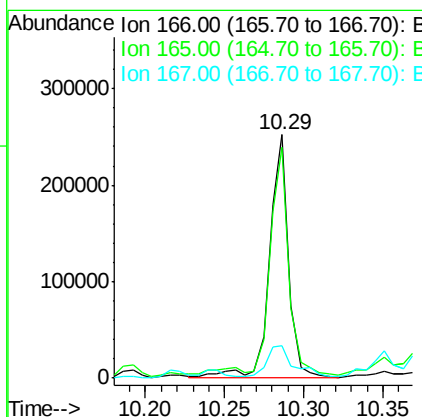
Manual Integrations
APPROVED

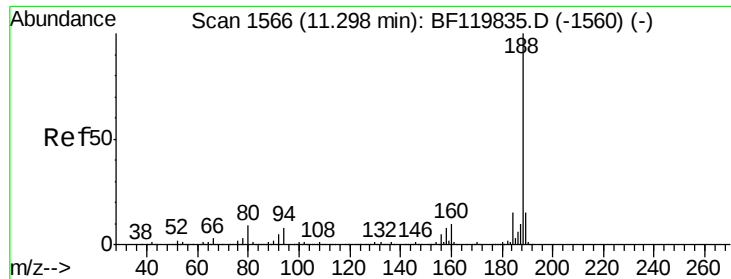
mohammad
4/24/2020 4:17:17 AM



#58
Fluorene
Concen: 11.882 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.7	74.2	111.2
167	13.6	10.8	16.2





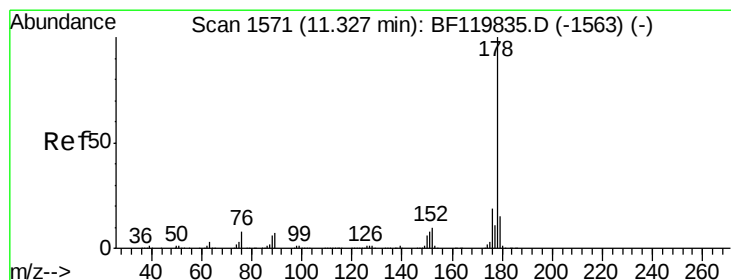
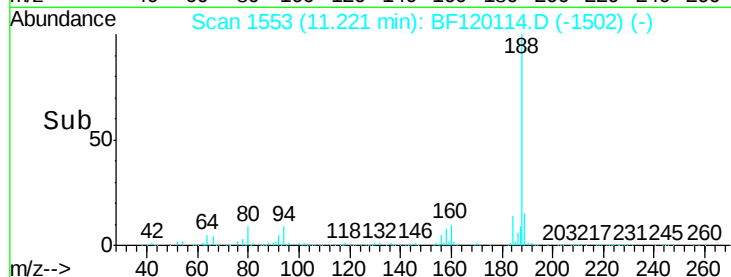
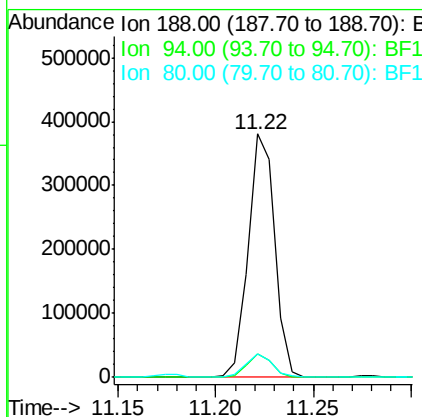
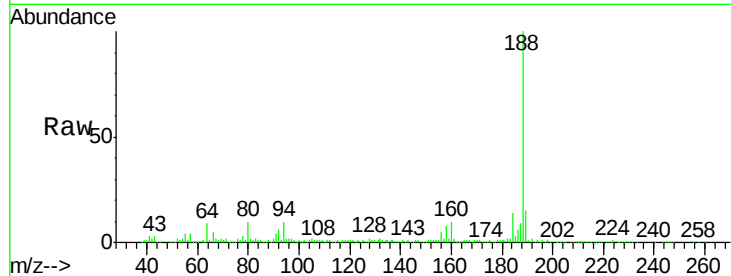
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.00 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Instrument :
BNA_F
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	356705		
94	9.9		6.7	10.1
80	9.7		7.4	11.2

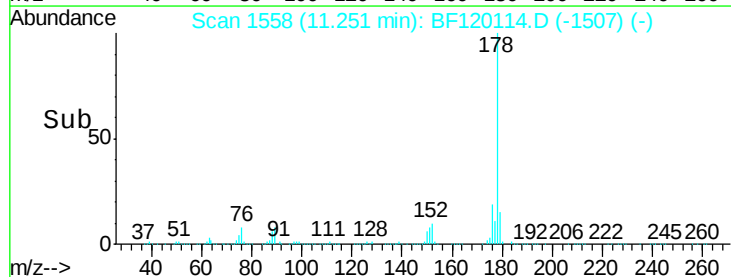
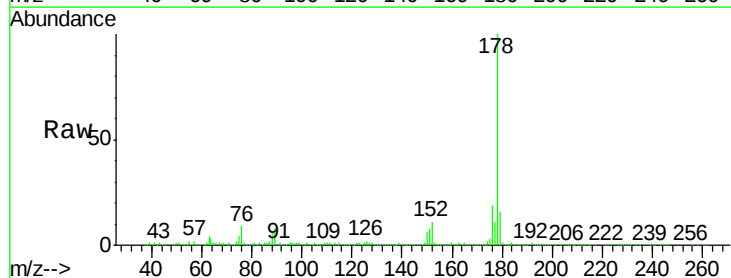
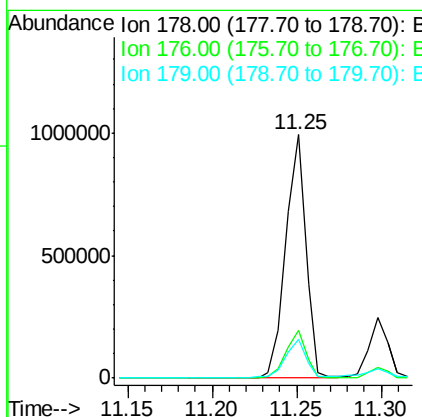
Manual Integrations
APPROVED

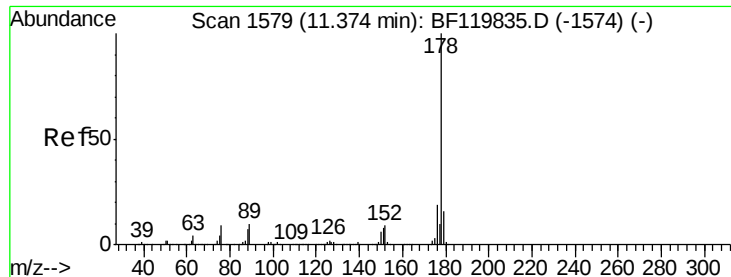
mohammad
4/24/2020 4:17:17 AM



#71
Phenanthrene
Concen: 42.971 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	815768		
176	19.4		15.1	22.7
179	16.0		12.2	18.4





#72

Anthracene

Concen: 9.601 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.00 min

Lab File: BF120114.D

Acq: 21 Apr 2020 20:41

Instrument :

BNA_F

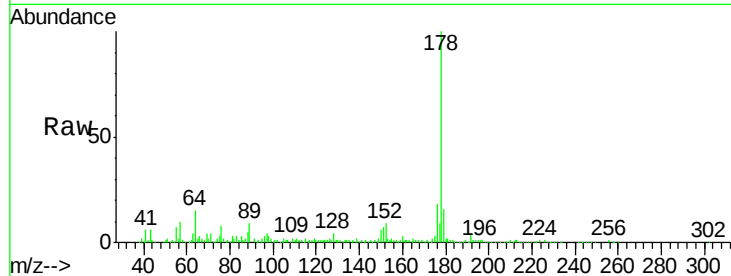
ClientSampleId :

WB-10-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	16.2	12.8	19.2

Manual Integrations
APPROVED

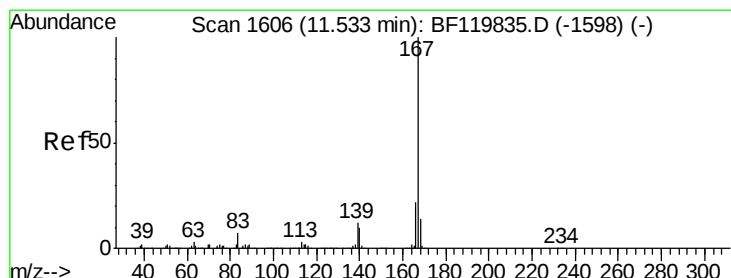
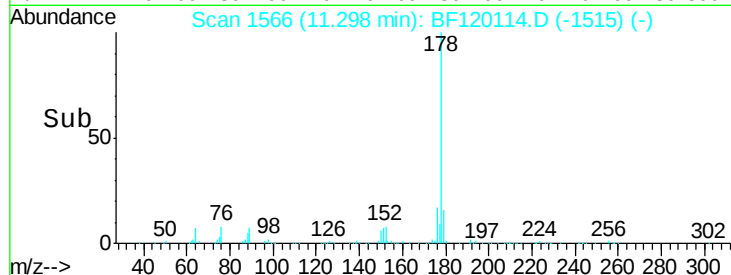
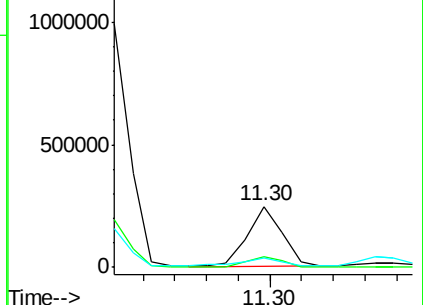
mohammad
4/24/2020 4:17:17 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.065 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.00 min

Lab File: BF120114.D

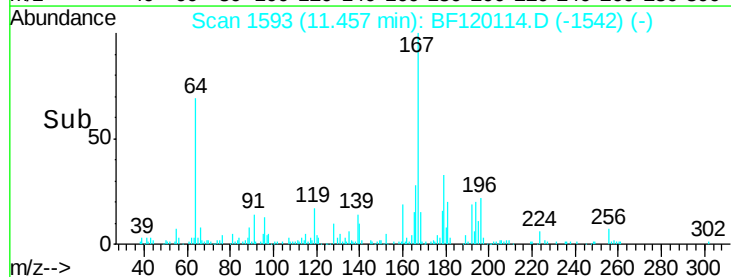
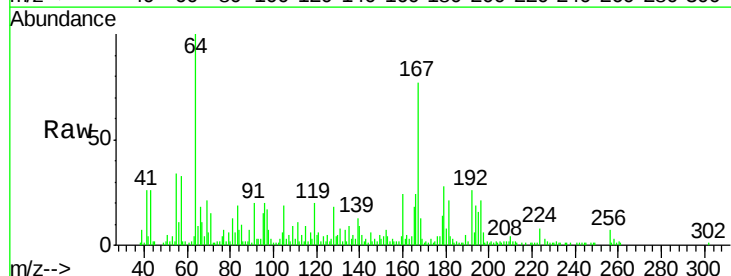
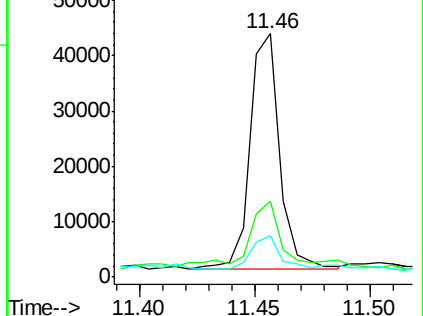
Acq: 21 Apr 2020 20:41

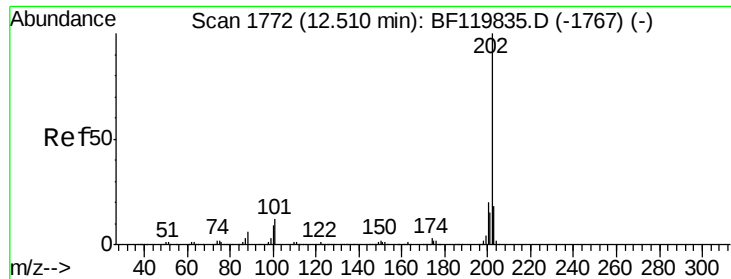
Tgt Ion	Ratio	Lower	Upper
167	100		
166	31.4	17.4	26.0#
139	17.1	9.8	14.8#

Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 27.275 ng

RT: 12.44 min Scan# 1761

Delta R.T. 0.01 min

Lab File: BF120114.D

Acq: 21 Apr 2020 20:41

Instrument :

BNA_F

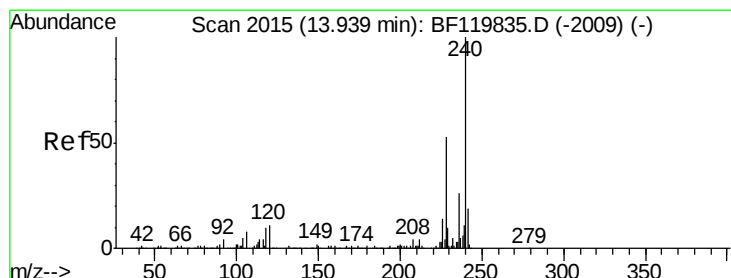
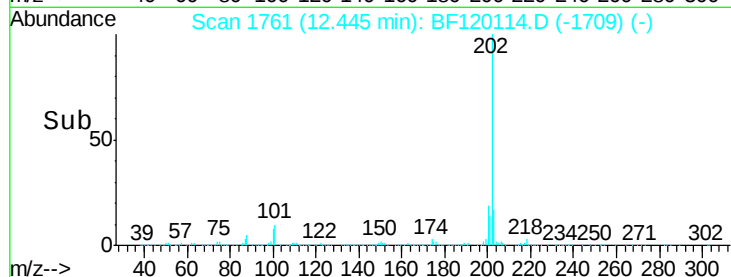
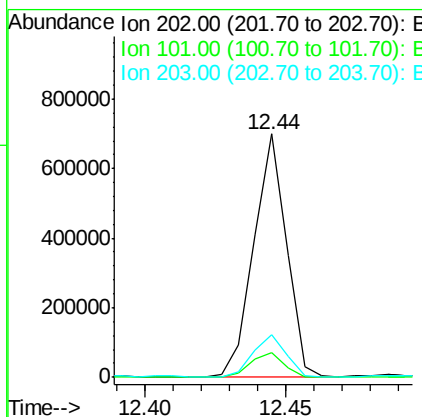
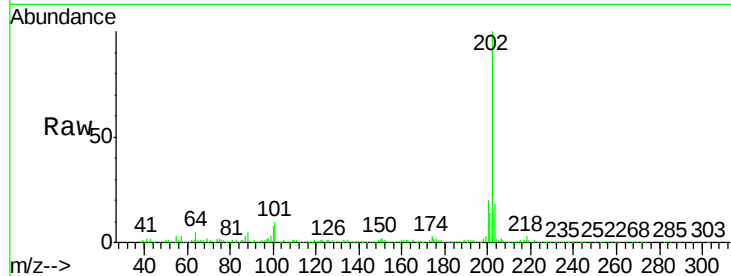
ClientSampleId :

WB-10-2

Tot Ion:	202	Resp:	558701
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	32.3
203	17.6	0.0	37.6

Manual Integrations
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mohammad
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#76

Chrysene-d12

Concen: 20.000 ng

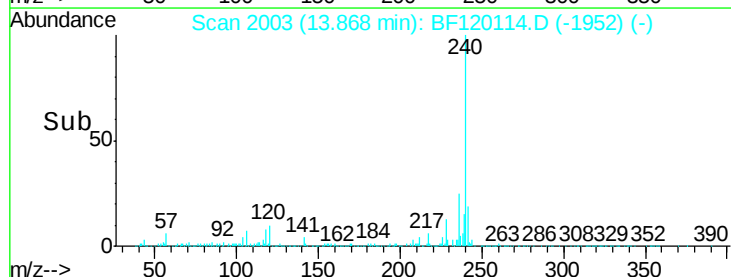
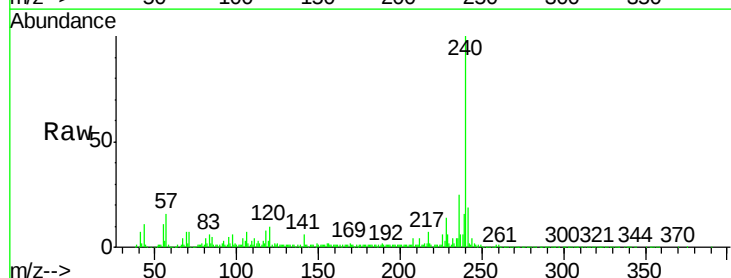
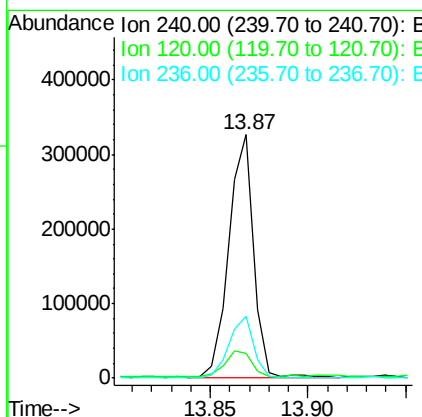
RT: 13.87 min Scan# 2003

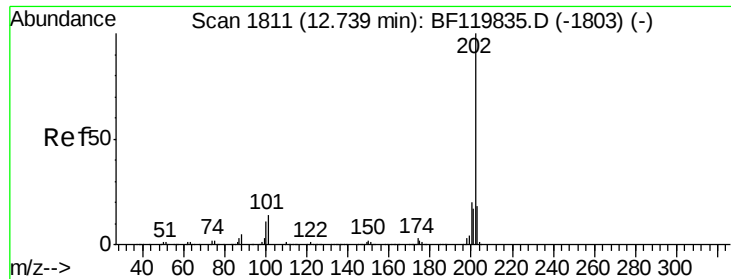
Delta R.T. -0.00 min

Lab File: BF120114.D

Acq: 21 Apr 2020 20:41

Tgt Ion:	240	Resp:	283319
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.0	13.6
236	25.3	20.7	31.1





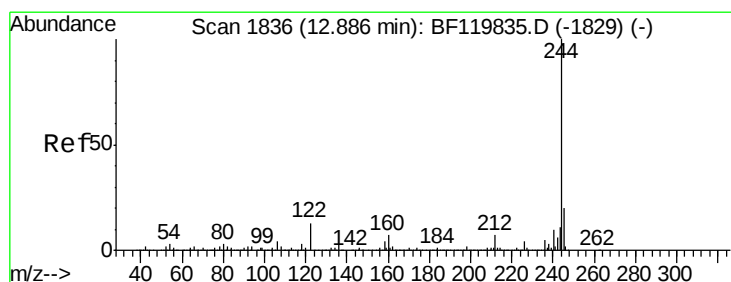
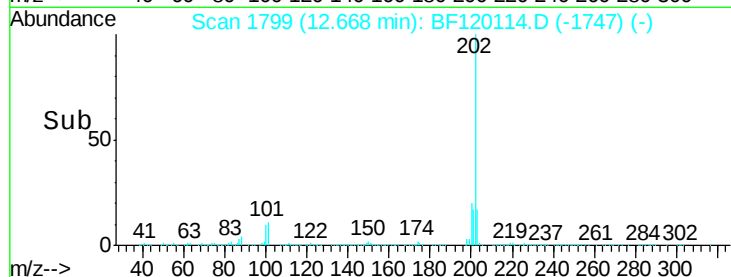
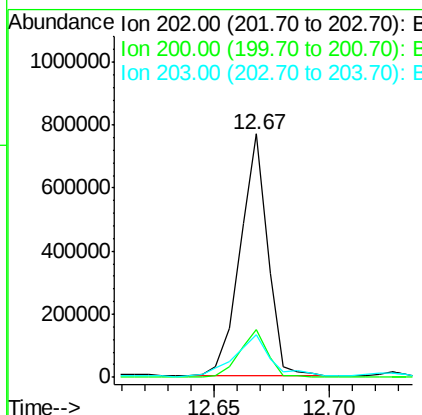
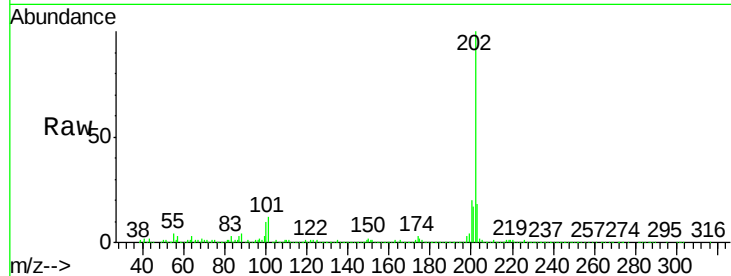
#78
Pvrene
Concen: 26.977 ng
RT: 12.67 min Scan# 1799
Delta R.T. 0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Instrument :
BNA_F
ClientSampled :
WB-10-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.2
203	17.7	14.1	21.1

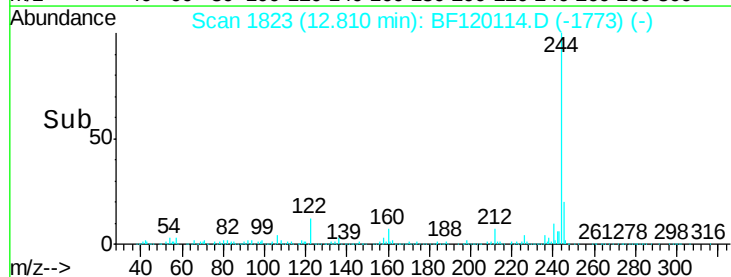
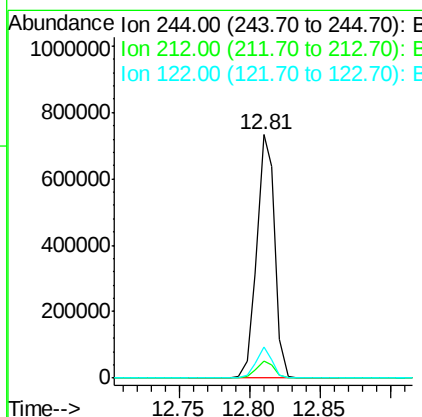
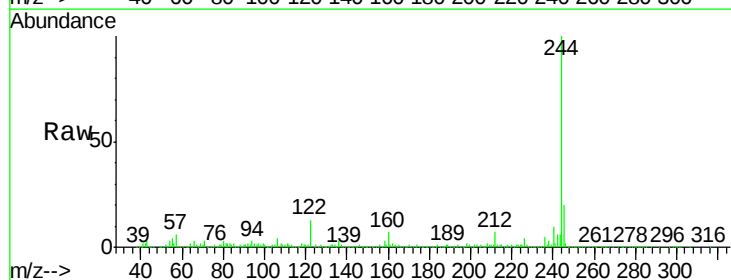
Manual Integrations
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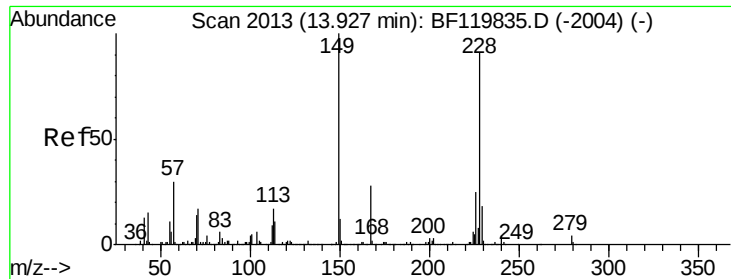
mohammad
4/24/2020 4:17:17 AM



#79
Terphenyl-d14
Concen: 39.127 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.6	10.3	15.5





#81

Benzo(a)anthracene

Concen: 12.880 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF120114.D

Acq: 21 Apr 2020 20:41

Instrument :

BNA_F

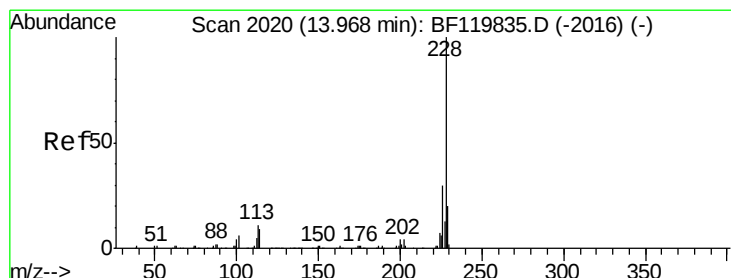
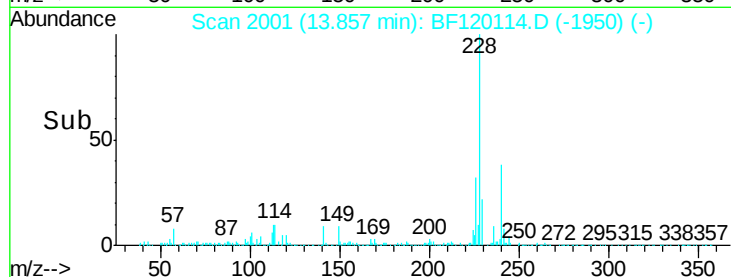
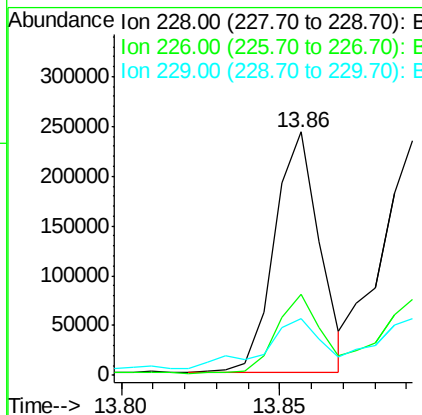
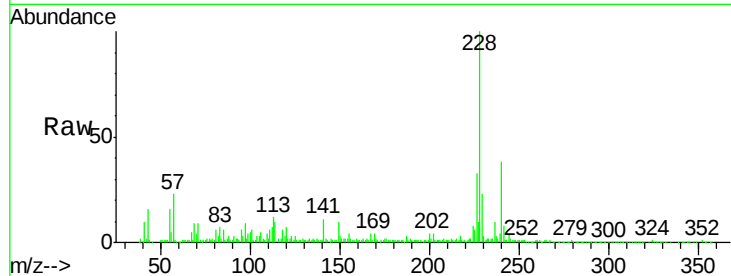
ClientSampleId :

WB-10-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.2	21.9	32.9#
229	23.1	15.9	23.9

Manual Integrations
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mohammad
4/24/2020 4:17:17 AM



#83

Chrysene

Concen: 12.862 ng m

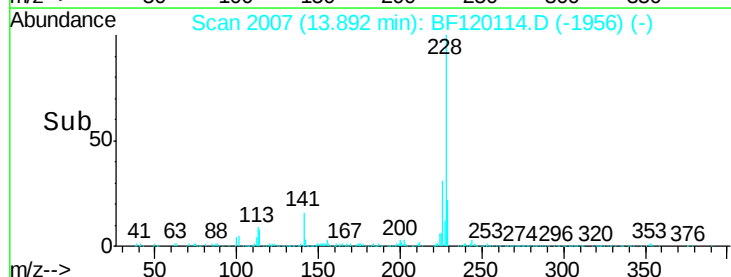
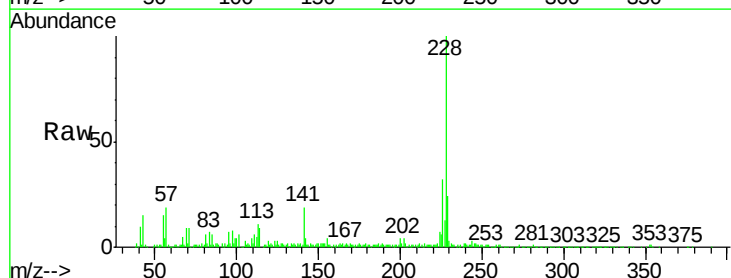
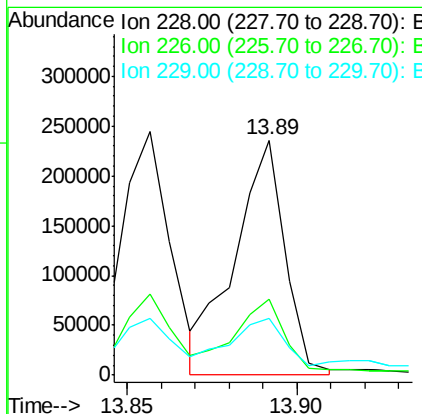
RT: 13.89 min Scan# 2007

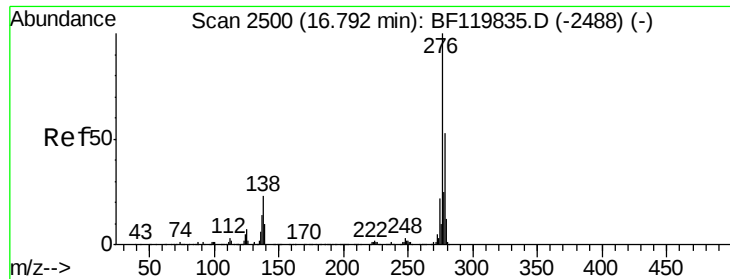
Delta R.T. -0.00 min

Lab File: BF120114.D

Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.2	36.2
229	24.0	15.9	23.9#





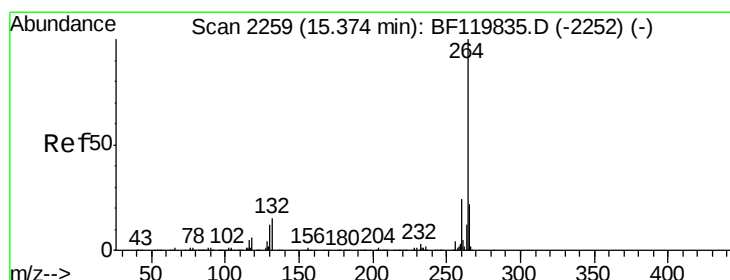
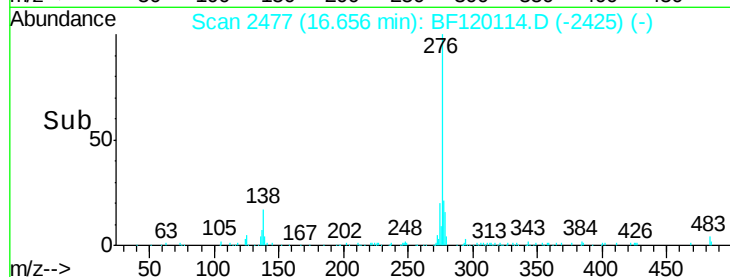
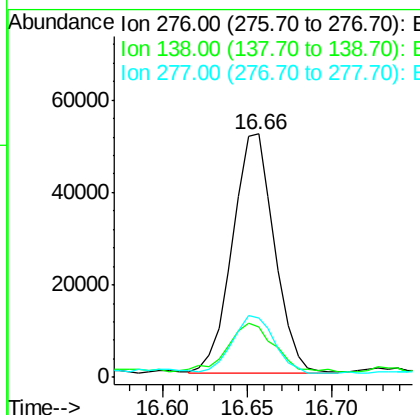
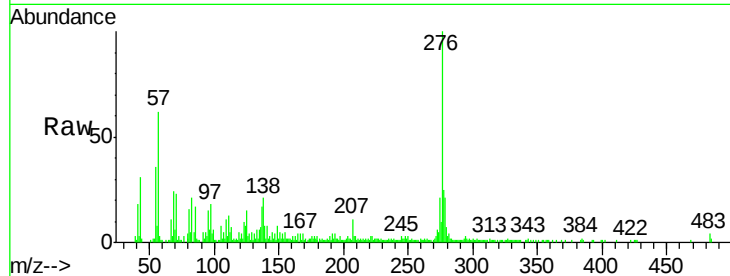
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.368 ng
RT: 16.66 min Scan# 2477
Delta R.T. 0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Instrument :
BNA_F
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.0	27.0
277	24.4	20.1	30.1

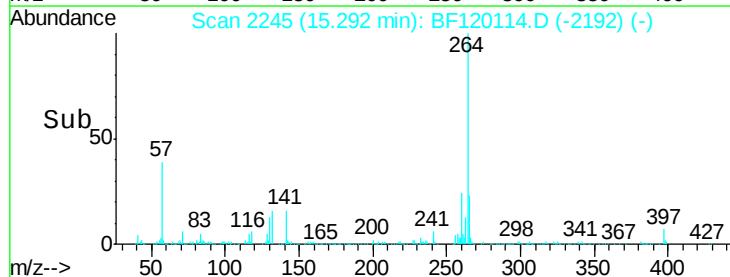
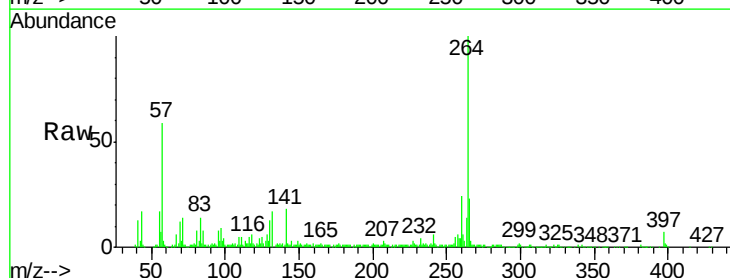
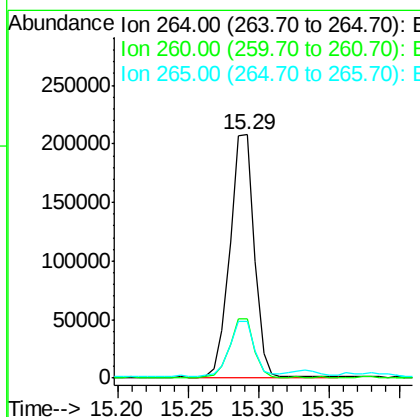
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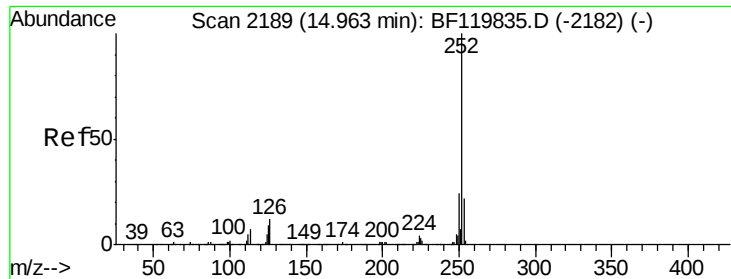
mohammad
4/24/2020 4:17:17 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.3	28.9
265	23.4	17.6	26.4





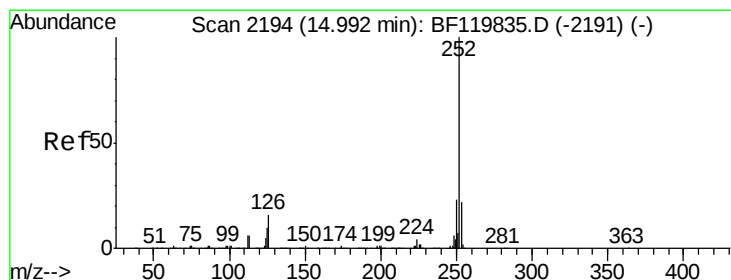
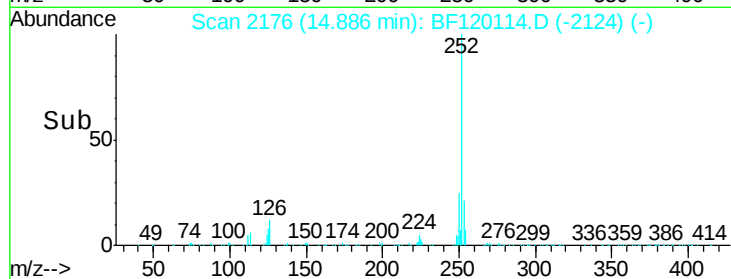
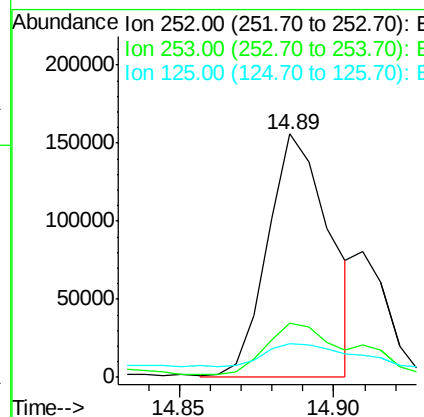
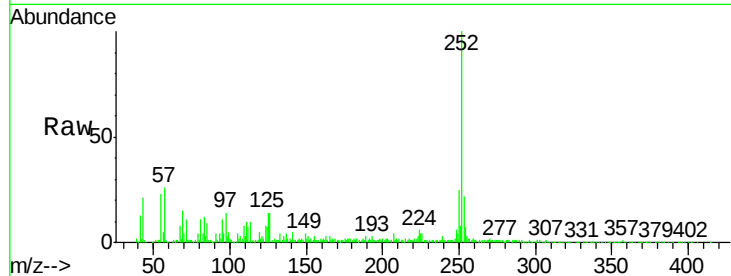
#88
Benzo(b)fluoranthene
Concen: 12.110 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Instrument :
BNA_F
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	14.0	7.4	11.2

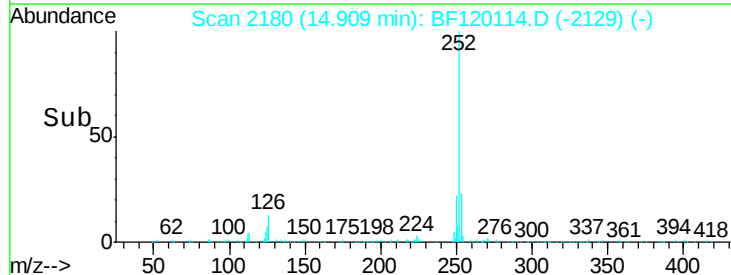
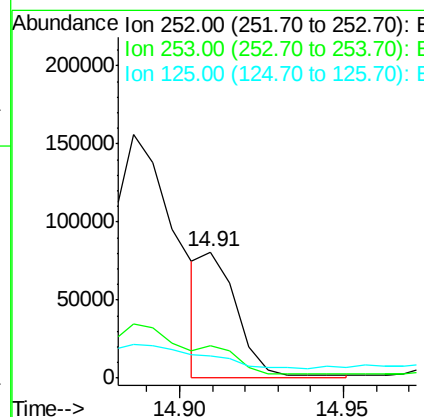
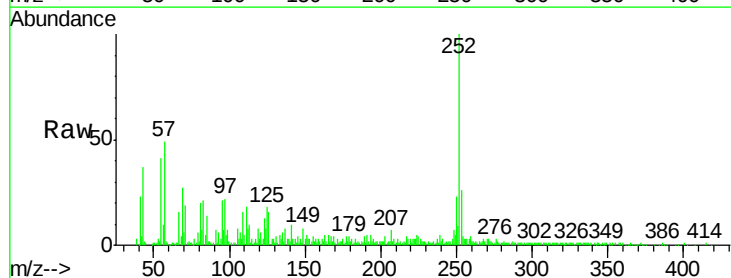
Manual Integrations
APPROVED

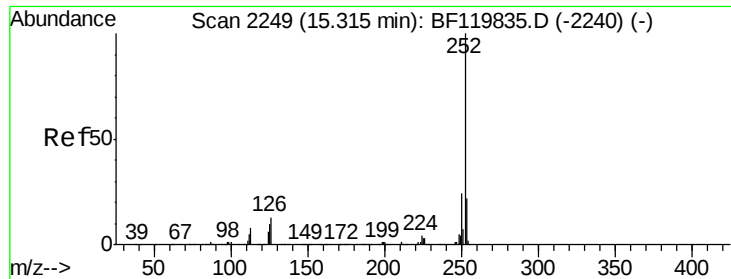
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.984 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.8	26.8
125	17.6	7.7	11.5





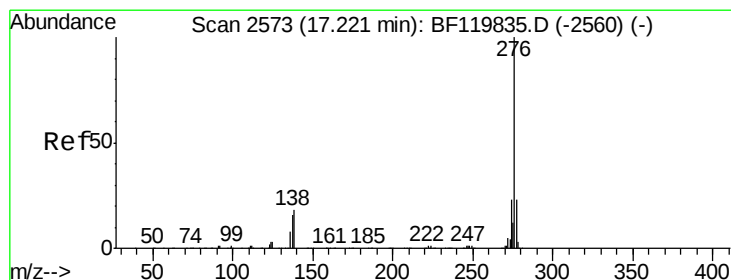
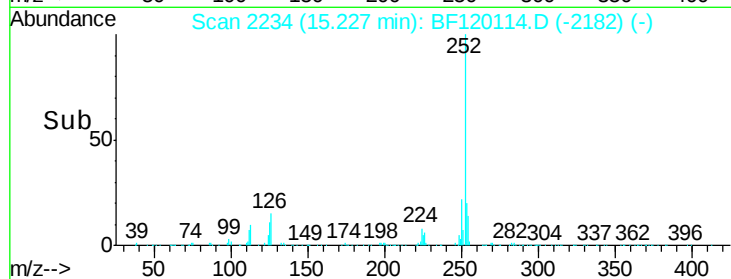
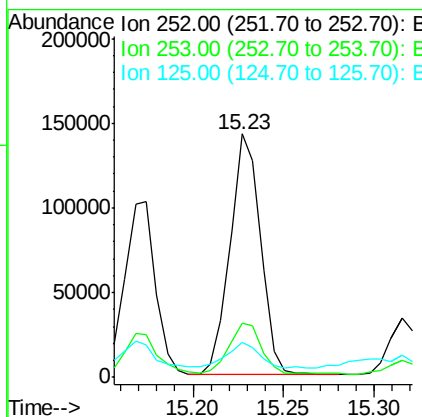
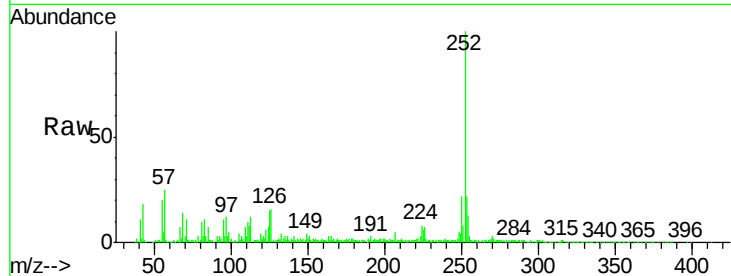
#90
Benzo(a)pyrene
Concen: 10.995 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Instrument :
BNA_F
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	14.6	8.3	12.5

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.335 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.00 min
Lab File: BF120114.D
Acq: 21 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.5	27.7
138	20.7	14.6	22.0

