

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118079.D
 Acq On : 3 Dec 2019 23:07
 Operator : JU
 Sample : K6024-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6-(0.5-1.0)

Manual Integrations
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 12/4/2019 5:02:02 PM

Quant Time: Dec 04 02:20:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	136725	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	519326	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	260213	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	425994	20.00	ng	0.00
76) Chrysene-d12	14.08	240	287381	20.00	ng	0.00
87) Perylene-d12	15.59	264	317204	20.00	ng	0.02

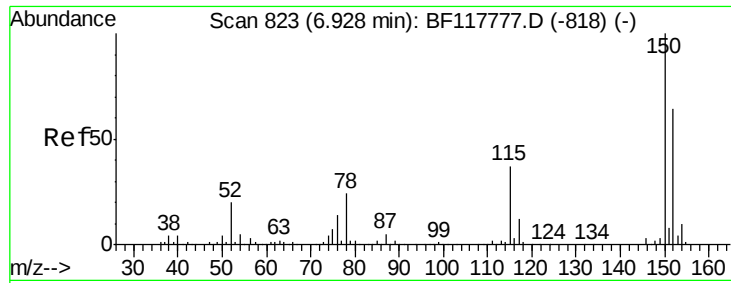
System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	755358	97.79	ng	0.00
7) Phenol-d6	6.50	99	953926	102.39	ng	0.00
23) Nitrobenzene-d5	7.44	82	583493	66.79	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	256954	93.27	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1079231	74.41	ng	0.00
79) Terphenyl-d14	13.02	244	943190	59.98	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.79	152	55178	2.383	ng	96
50) Dimethylphthalate	9.63	163	193122	10.584	ng	100
71) Phenanthrene	11.44	178	505494	23.602	ng	99
72) Anthracene	11.50	178	95315	4.489	ng	99
73) Carbazole	11.65	167	56983	3.071	ng	# 89
75) Fluoranthene	12.64	202	1065323	56.554	ng	99
78) Pyrene	12.88	202	963689	41.494	ng	99
81) Benzo(a)anthracene	14.07	228	749115	39.447	ng	97
83) Chrysene	14.11	228	908431	49.366	ng	98
84) Bis(2-ethylhexyl)phthalate	14.05	149	180453	14.922	ng	100
86) Indeno(1,2,3-cd)pyrene	17.11	276	364696	23.286	ng	96
88) Benzo(b)fluoranthene	15.15	252	1489955m	72.297	ng	
89) Benzo(k)fluoranthene	15.17	252	296926m	15.291	ng	
90) Benzo(a)pyrene	15.53	252	627183	34.609	ng	96
91) Dibenzo(a,h)anthracene	17.12	278	138480	8.878	ng	# 93
92) Benzo(g,h,i)perylene	17.57	276	310345	19.976	ng	99

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



#1

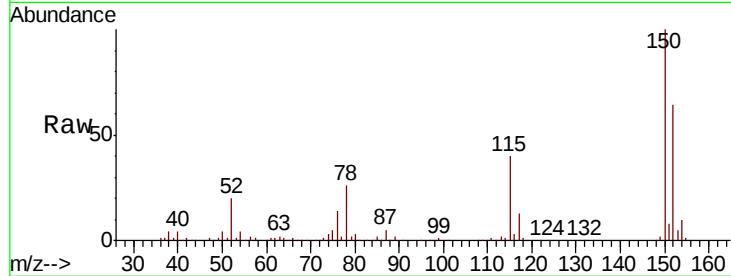
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampleId :
B-6-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	121.4	182.2
115	62.3	48.8	73.2

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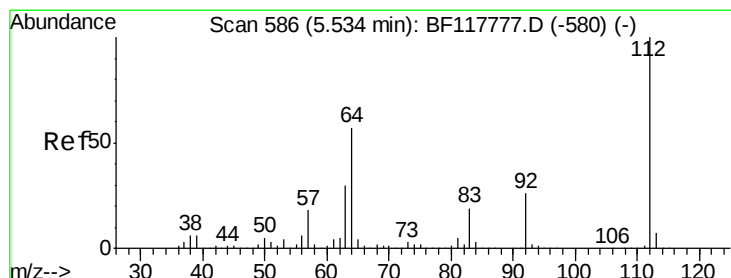
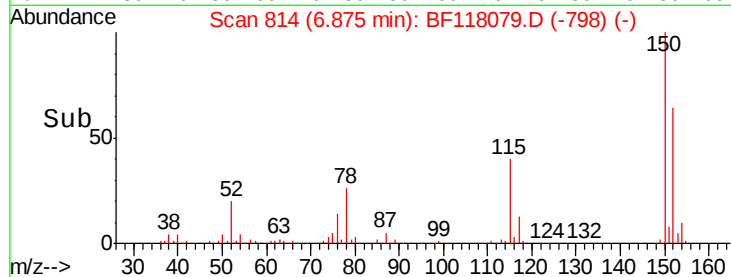
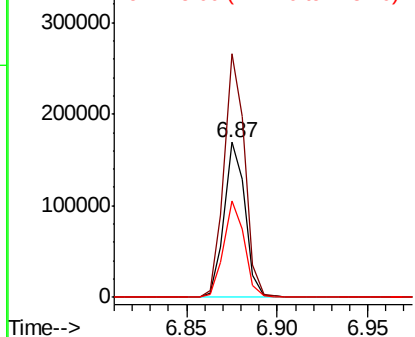


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

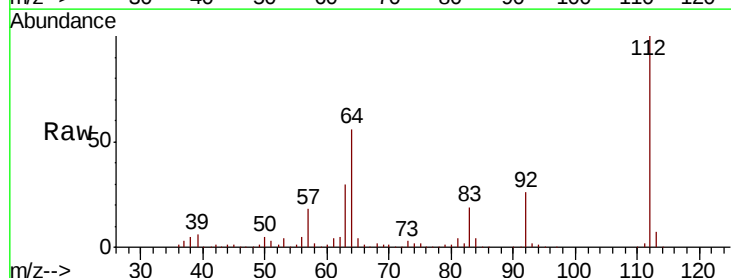
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.792 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	45.1	67.7
63	29.7	24.6	37.0

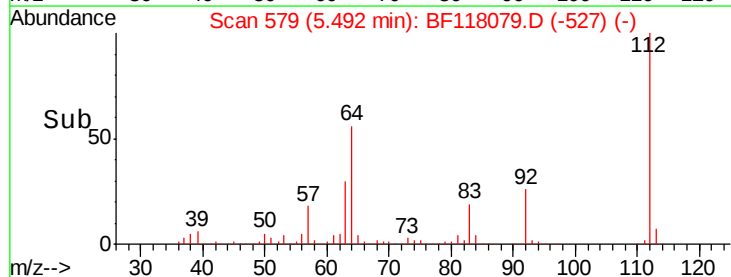
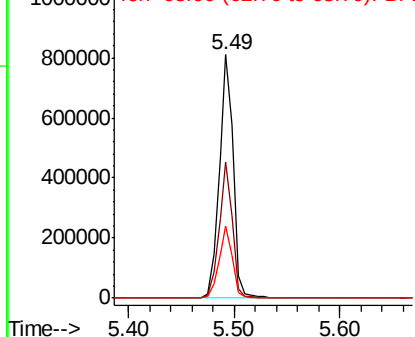


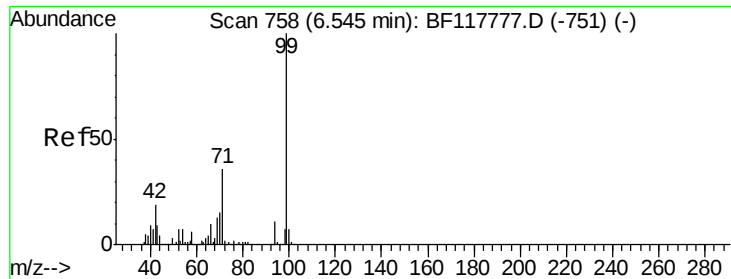
Abundance

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: 102.391 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

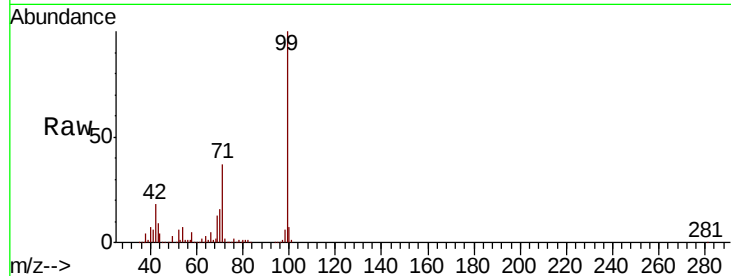
ClientSampled :

B-6-(0.5-1.0)

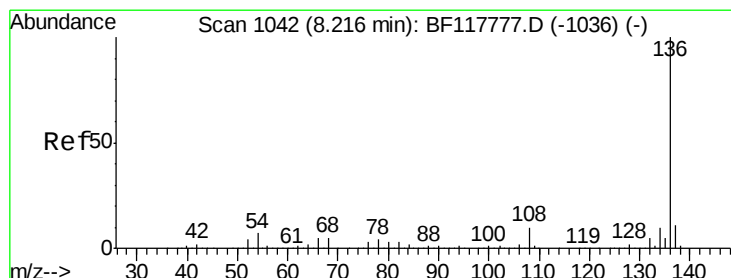
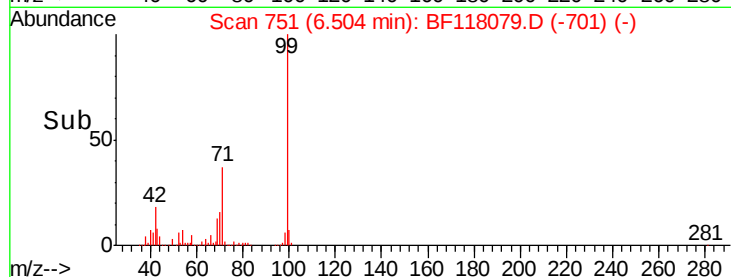
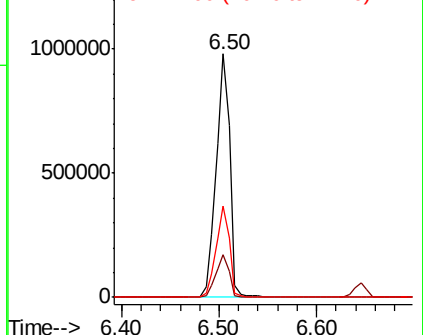
Tot Ion:	99	Resp:	953926
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.0	21.0
71	37.5	29.2	43.8

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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: 8.16 min Scan# 1033

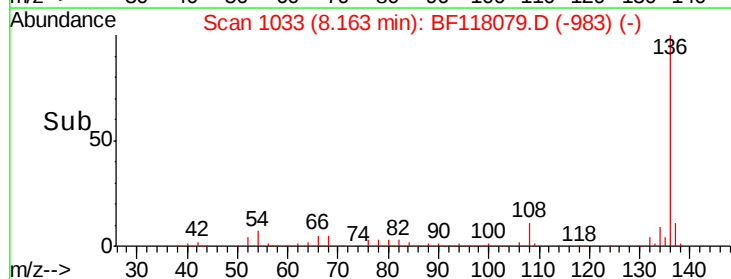
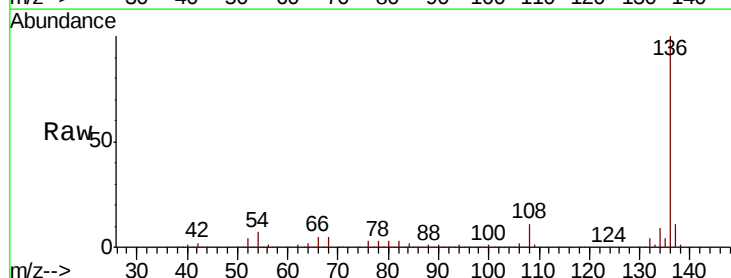
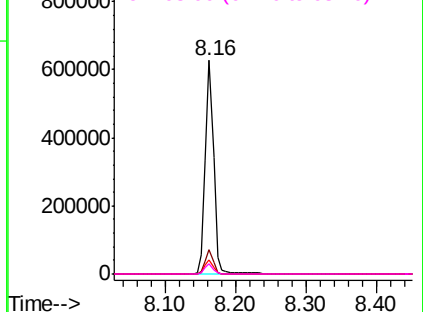
Delta R.T. -0.01 min

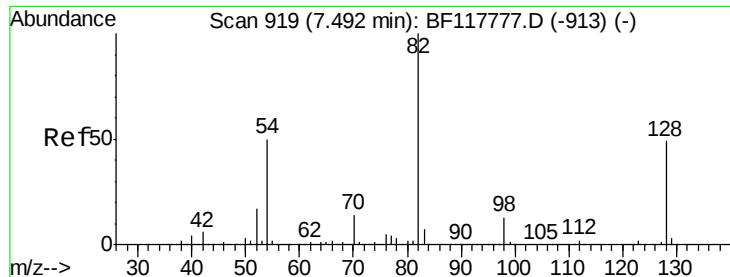
Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Tgt Ion:	136	Resp:	519326
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.6	4.9	7.3
68	4.7	3.6	5.4

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





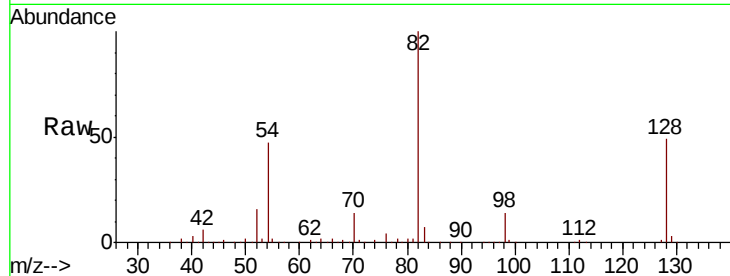
#23
Nitrobenzene-d5
Concen: 66.791 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampled :
B-6-(0.5-1.0)

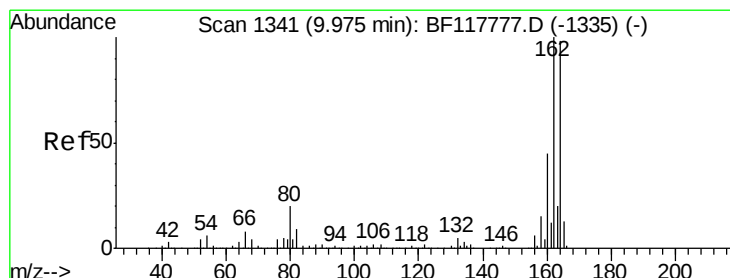
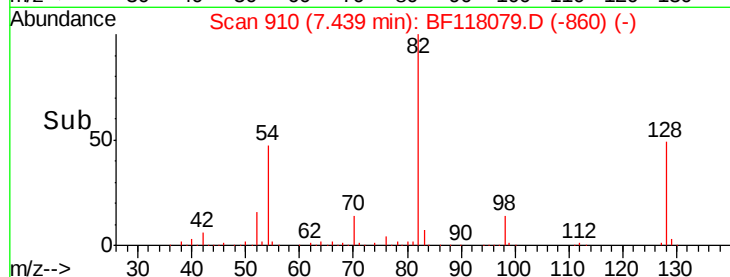
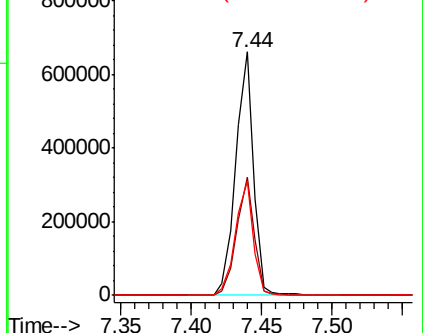
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.7	38.2	57.4
54	46.8	39.0	58.4

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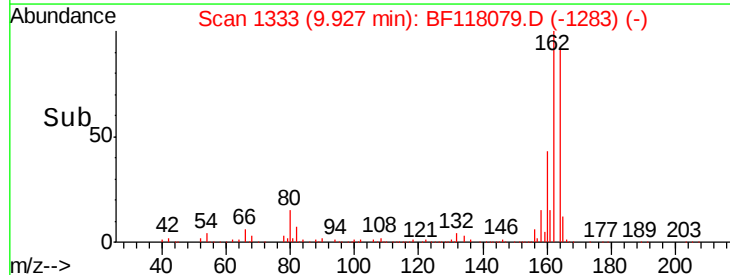
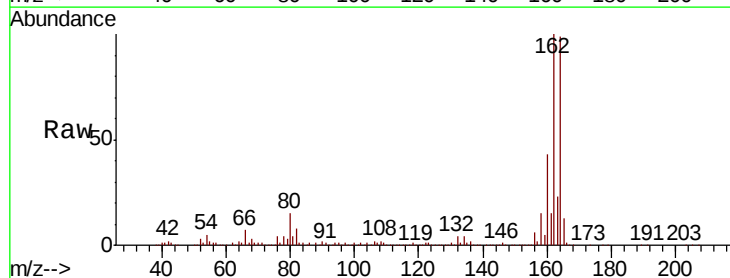
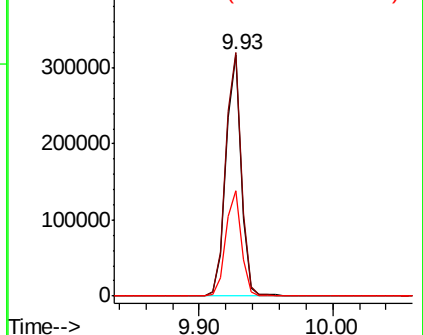
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

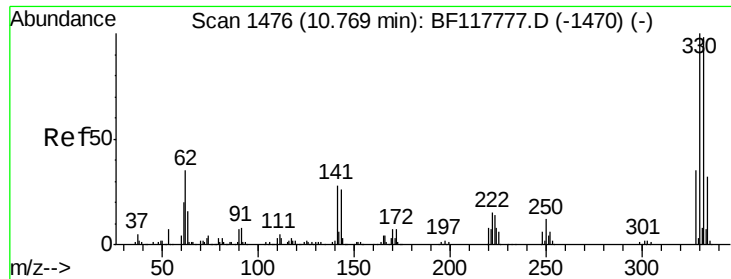


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.8	122.8
160	43.6	35.9	53.9

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





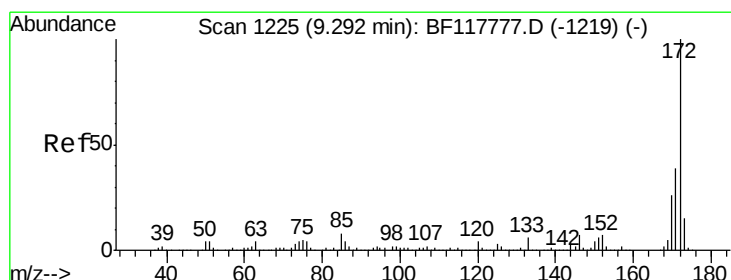
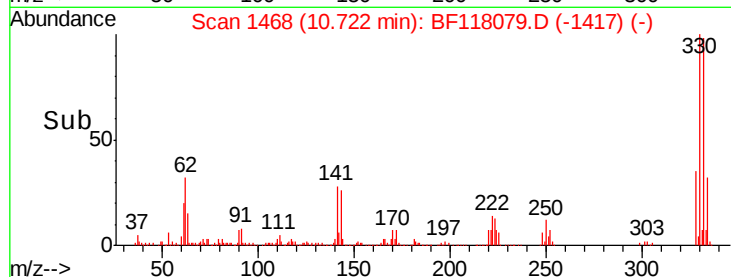
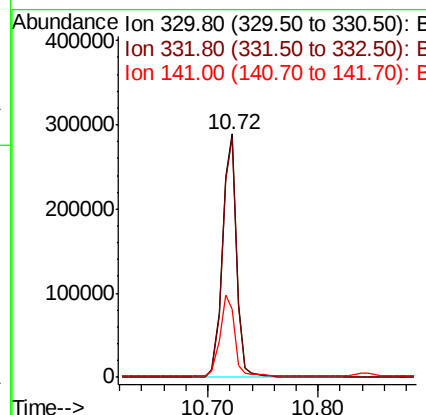
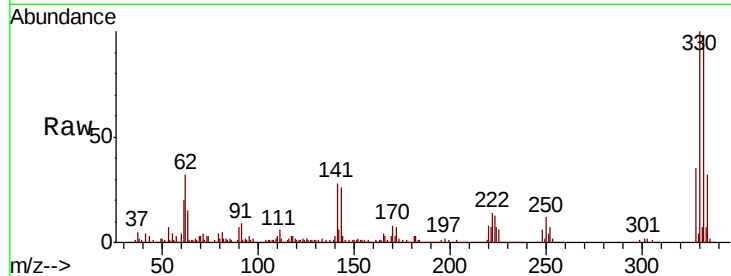
#42
 2,4,6-Tribromophenol
 Concen: 93.273 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF118079.D
 Acq: 3 Dec 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 B-6-(0.5-1.0)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	256954		
332	98.1		78.3	117.5
141	34.8		26.4	39.6

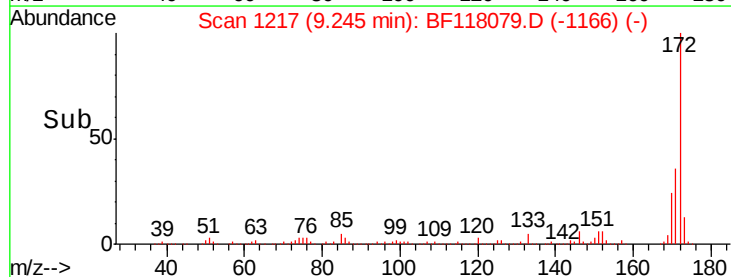
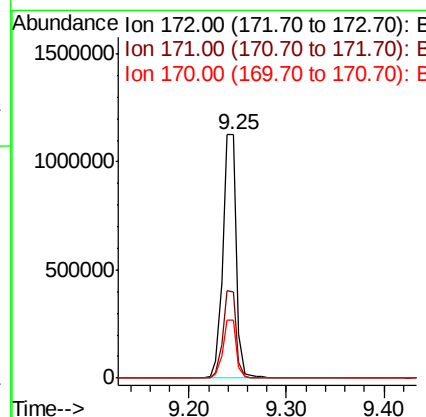
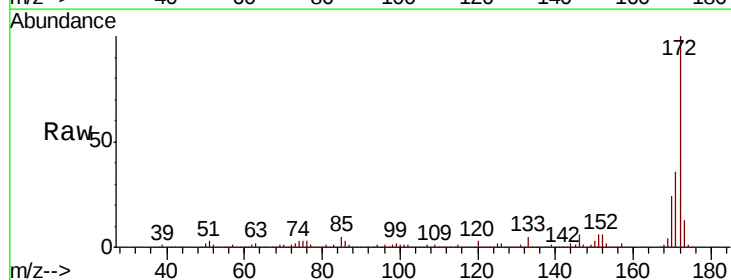
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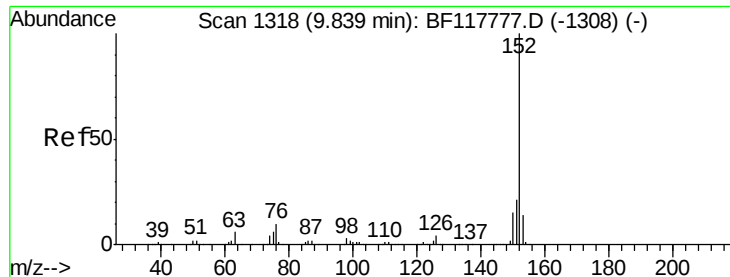
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#45
 2-Fluorobiphenyl
 Concen: 74.407 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF118079.D
 Acq: 3 Dec 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1079231		
171	35.5		29.2	43.8
170	23.8		19.3	28.9





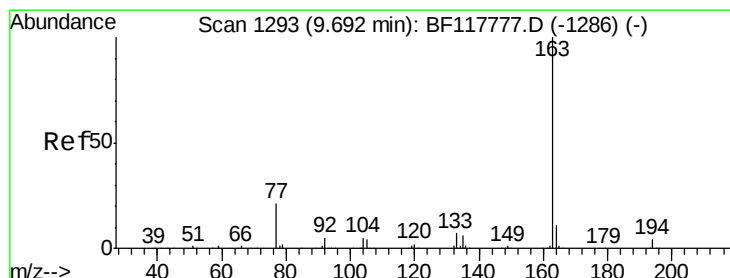
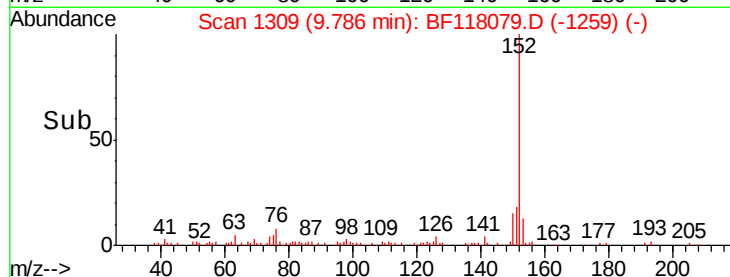
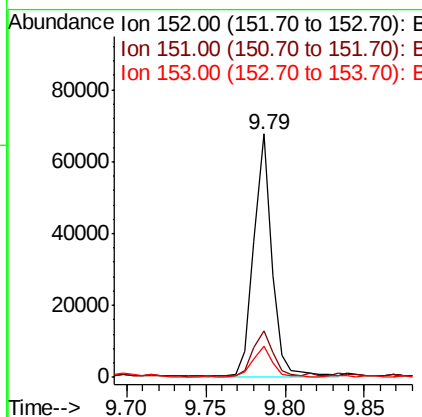
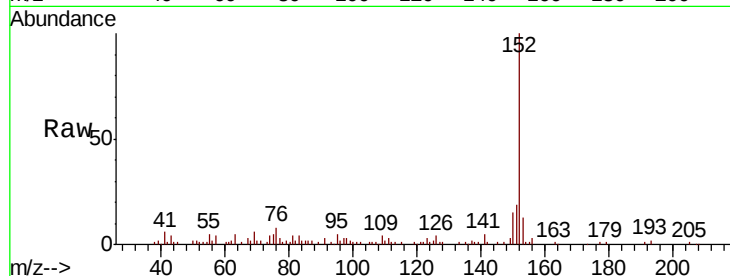
#49
Acenaphthylene
Concen: 2.383 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampleId :
B-6-(0.5-1.0)

Tot Ion:	152	Resp:	55178
Ion Ratio	Lower	Upper	
152	100		
151	18.9	16.7	25.1
153	12.6	11.1	16.7

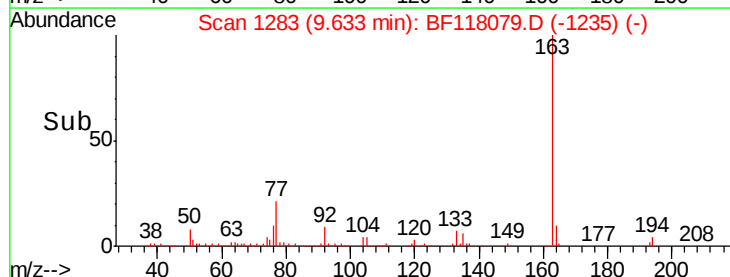
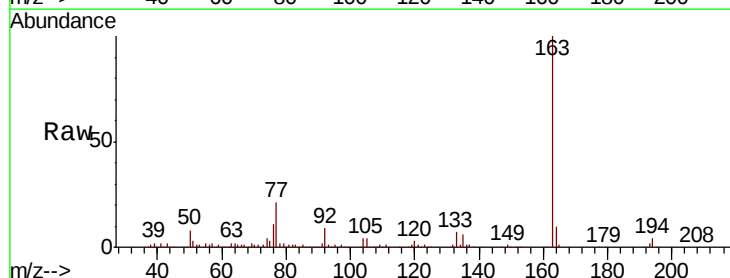
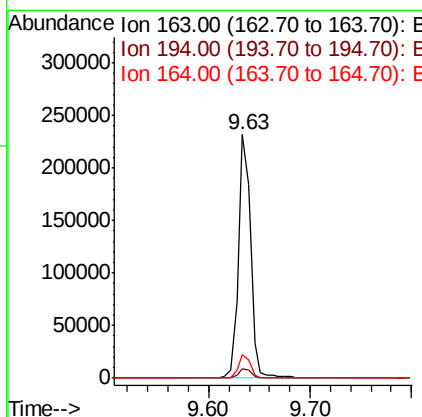
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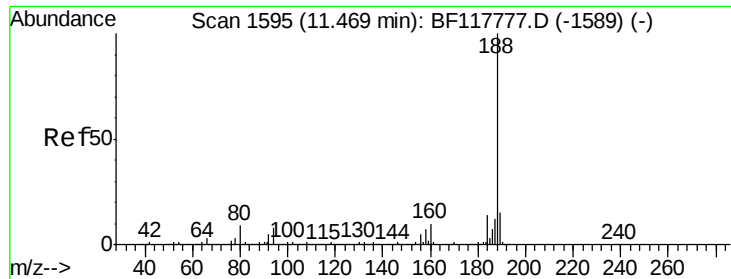
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#50
Dimethylphthalate
Concen: 10.584 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion:	163	Resp:	193122
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.1	4.7
164	9.9	7.9	11.9





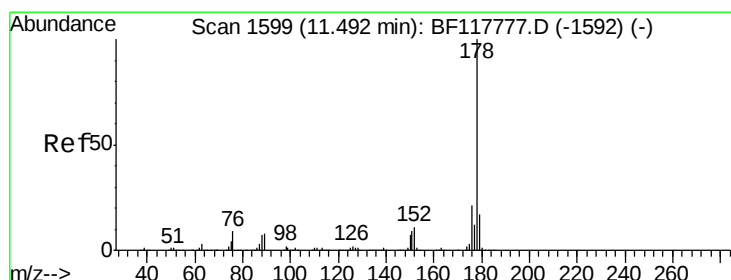
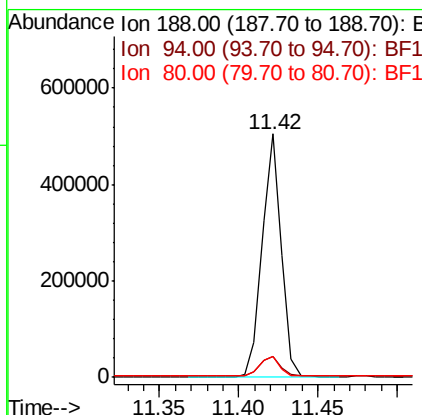
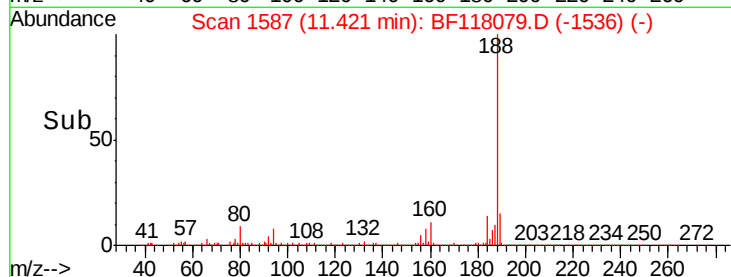
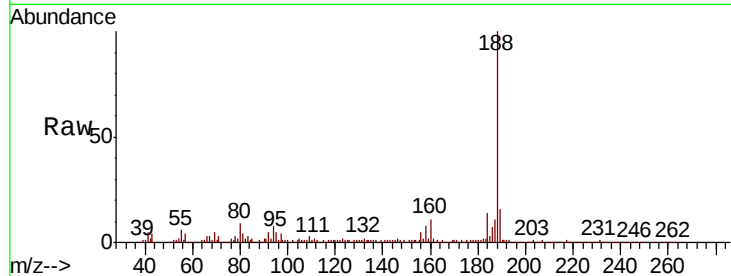
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampleId :
B-6-(0.5-1.0)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	425994		
94	8.3		7.0	10.6
80	8.8		7.2	10.8

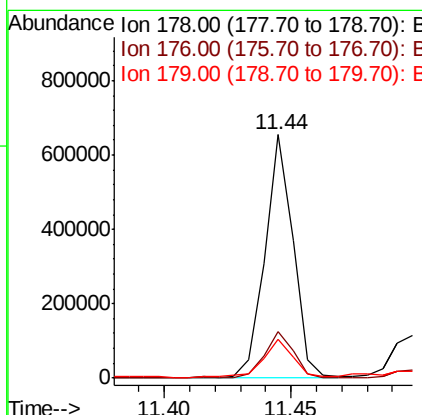
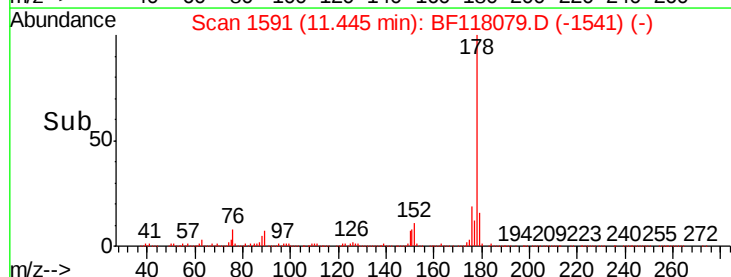
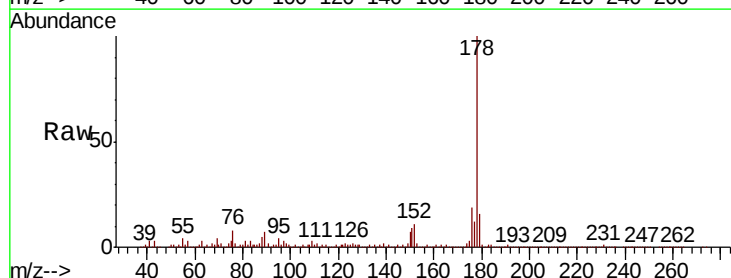
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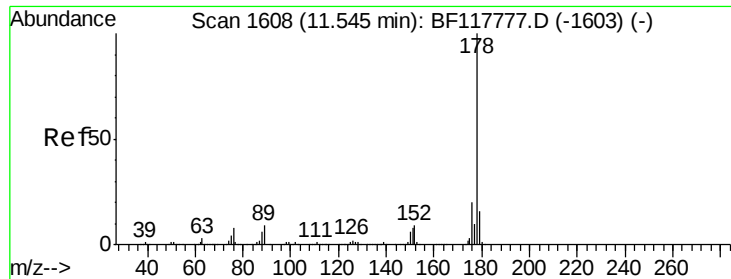
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#71
Phenanthrene
Concen: 23.602 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	505494		
176	19.3		15.4	23.0
179	16.1		12.3	18.5





#72

Anthracene

Concen: 4.489 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

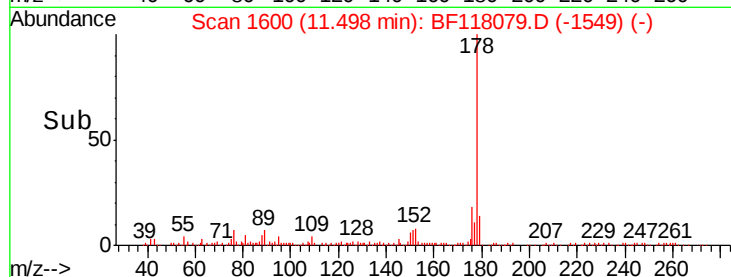
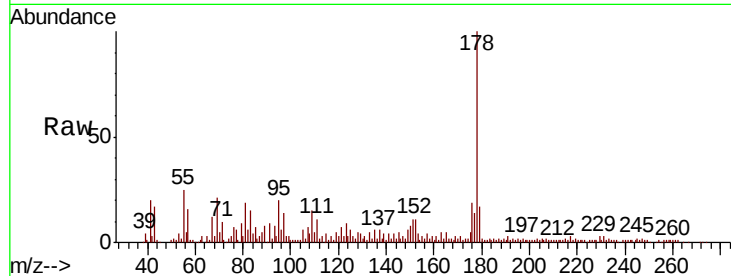
ClientSampleId :

B-6-(0.5-1.0)

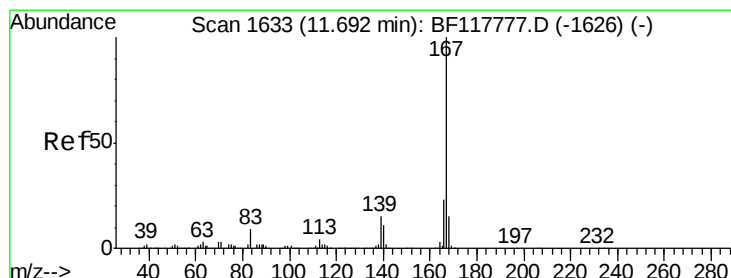
Tot Ion:	178	Resp:	95315
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.0	22.6
179	16.6	12.8	19.2

Manual Integrations
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Time-->



#73

Carbazole

Concen: 3.071 ng

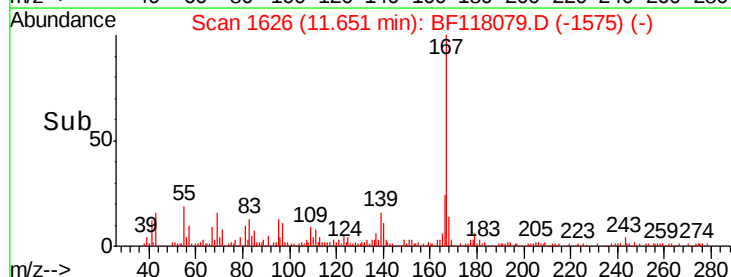
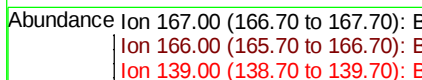
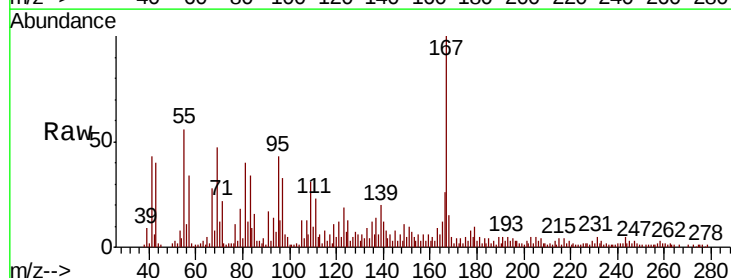
RT: 11.65 min Scan# 1626

Delta R.T. -0.00 min

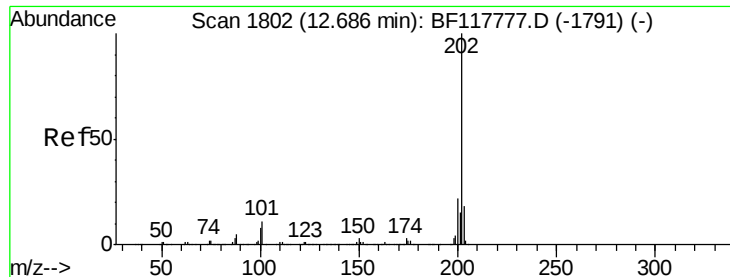
Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Tgt Ion:	167	Resp:	56983
Ion Ratio	Lower	Upper	
167	100		
166	26.4	17.6	26.4
139	19.9	11.5	17.3#



Time-->



#75

Fluoranthene

Concen: 56.554 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

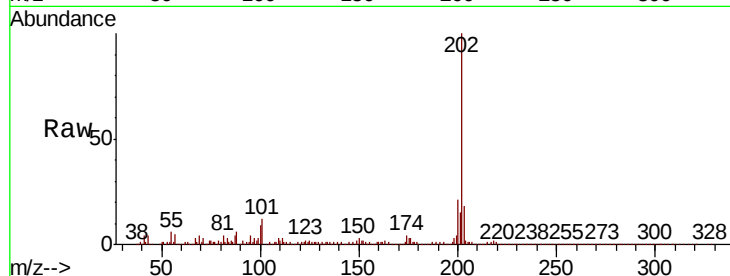
ClientSampleId :

B-6-(0.5-1.0)

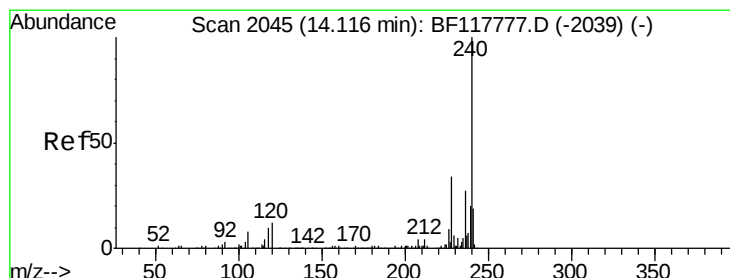
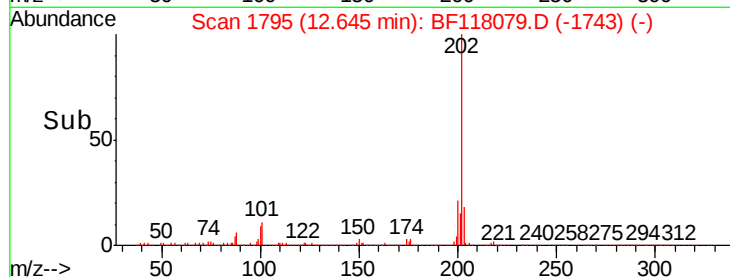
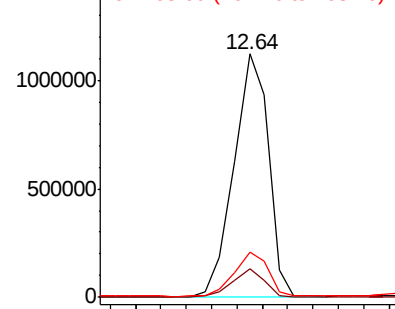
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.5
203	18.4	0.0	37.6

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.08 min Scan# 2039

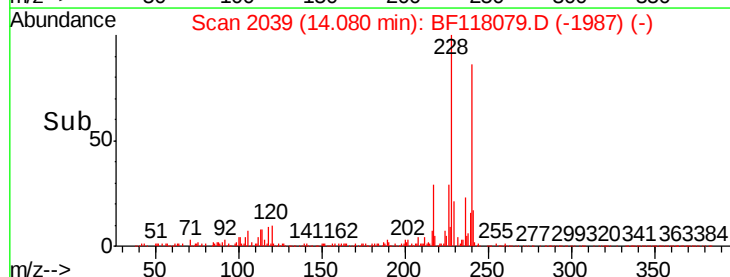
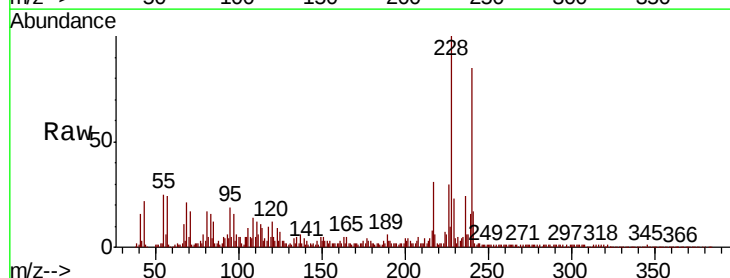
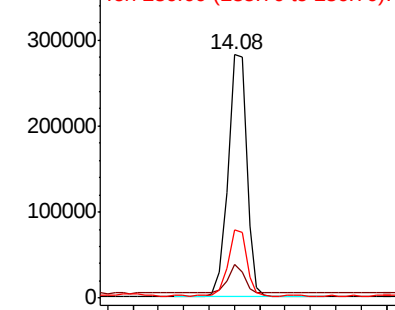
Delta R.T. 0.01 min

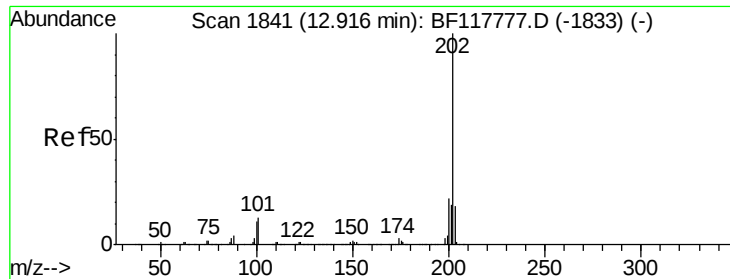
Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	8.4	12.6#
236	27.9	20.6	31.0

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





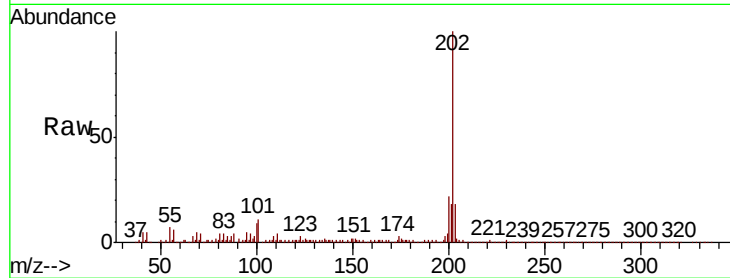
#78
Pvrene
Concen: 41.494 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampleId :
B-6-(0.5-1.0)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.0	25.6
203	18.3	14.2	21.4

Manual Integrations
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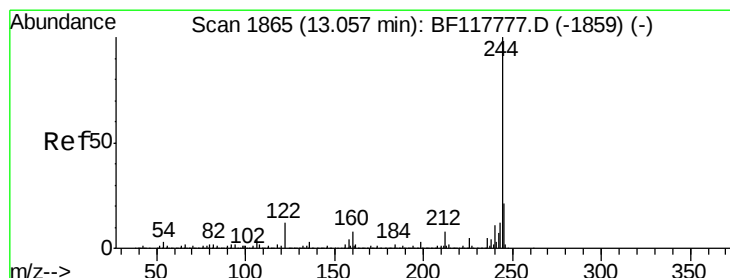
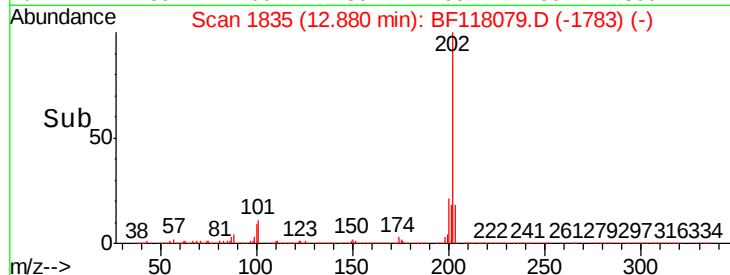
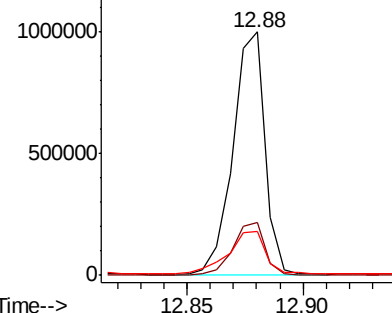


Abundance

Ion 202.00 (201.70 to 202.70): E

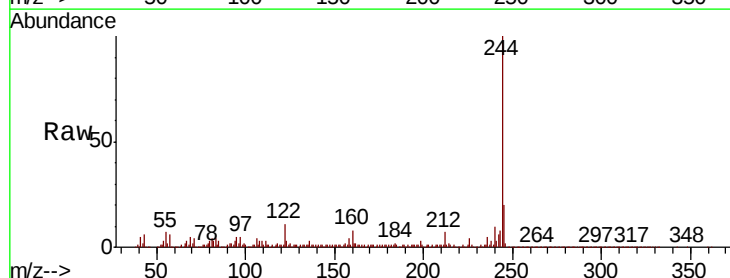
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 59.983 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.2	7.8
122	10.8	7.2	10.8#

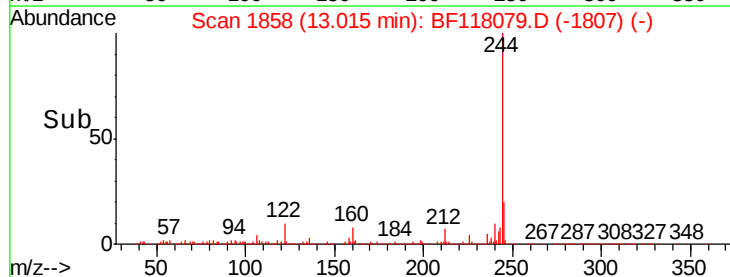
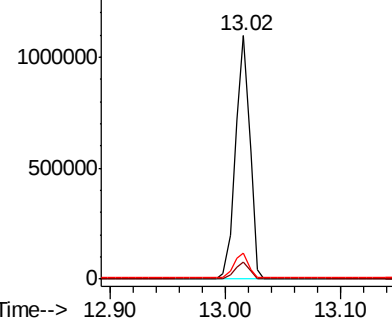


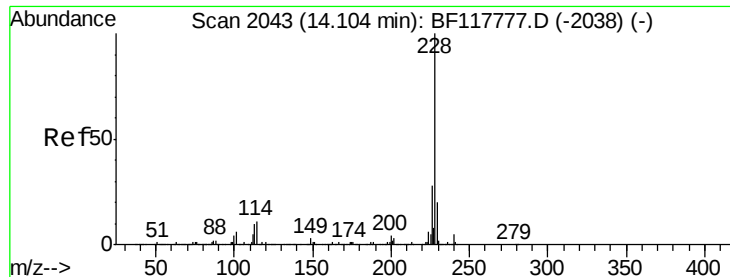
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





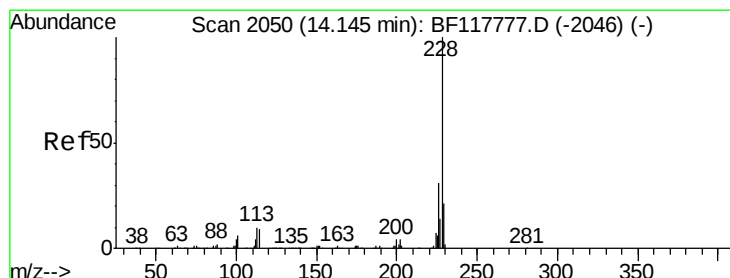
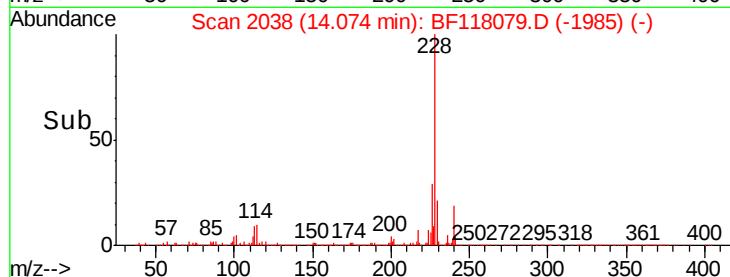
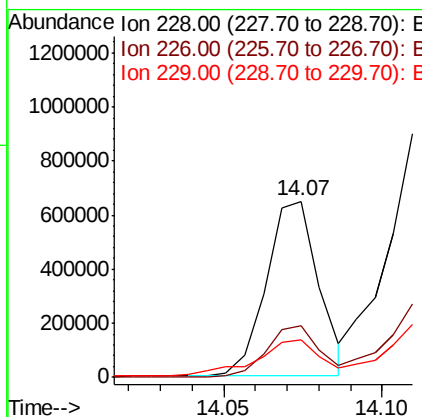
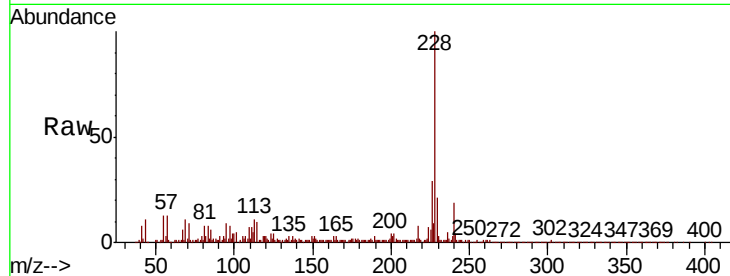
#81
Benzo(a)anthracene
Concen: 39.447 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampleId :
B-6-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.9	32.9
229	21.4	16.2	24.2

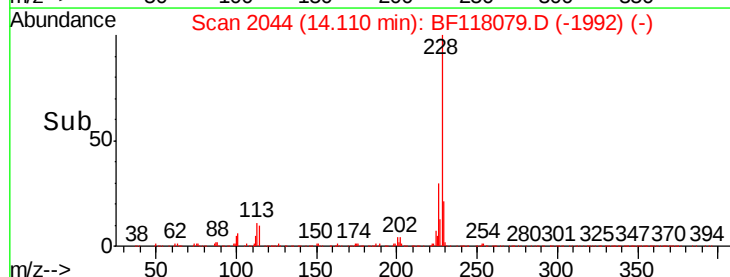
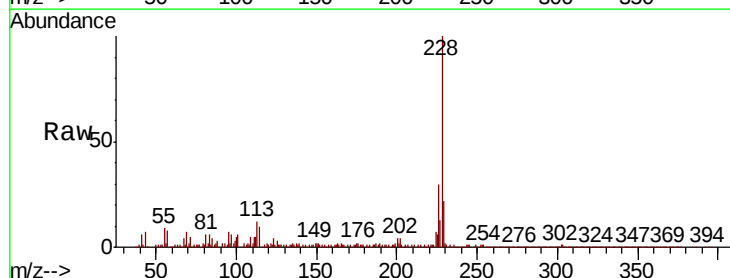
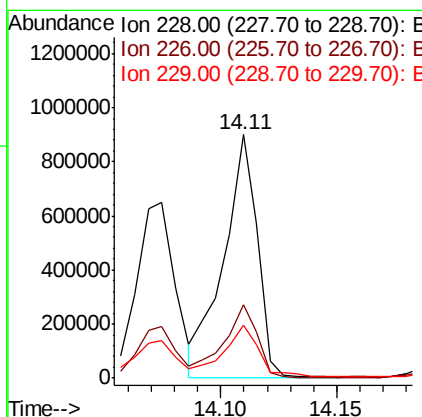
Manual Integrations
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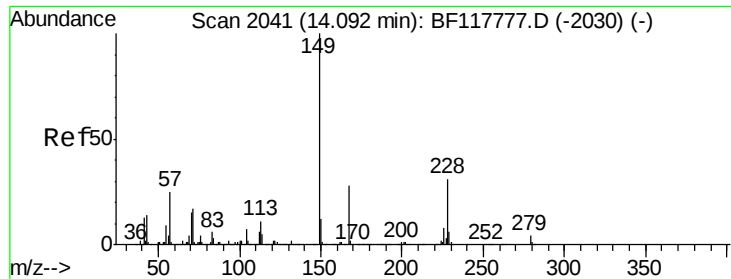
mohammad
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#83
Chrysene
Concen: 49.366 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.6	35.4
229	21.9	16.2	24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.922 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

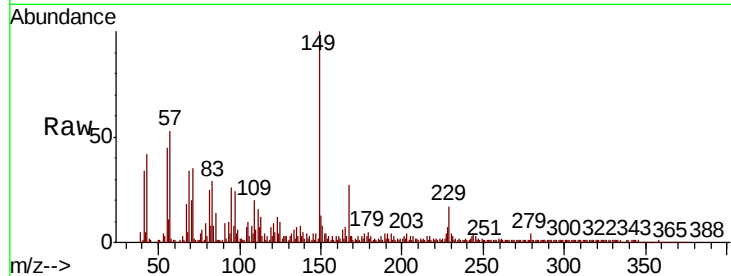
ClientSampleId :

B-6-(0.5-1.0)

Tot Ion:	149	Resp:	180453
Ion Ratio	Lower	Upper	
149	100		
167	27.1	21.8	32.8
279	4.3	3.4	5.0

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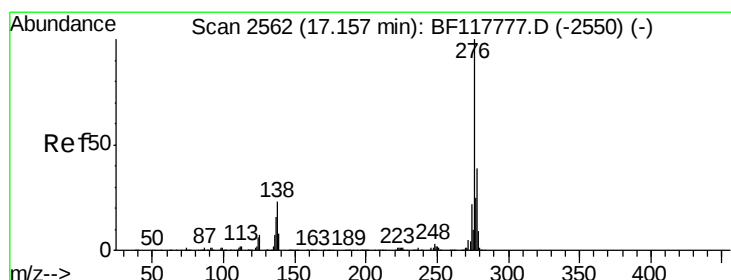
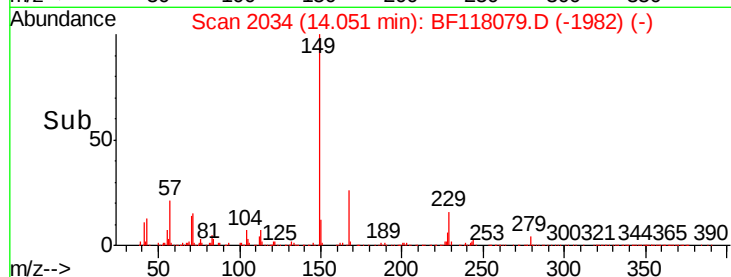
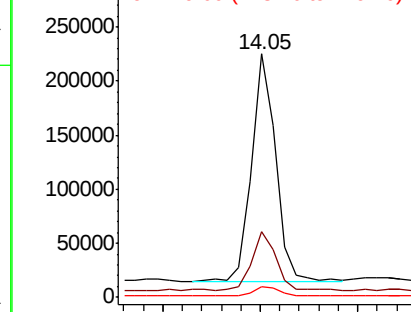


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 23.286 ng

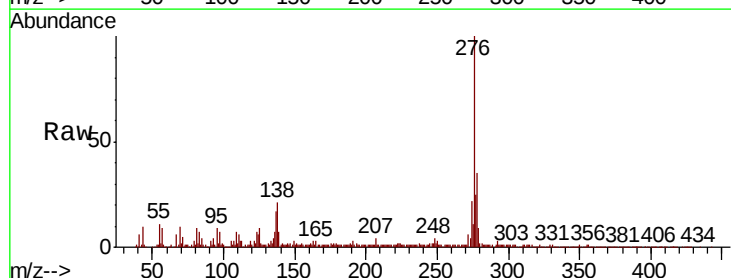
RT: 17.11 min Scan# 2554

Delta R.T. 0.02 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Tgt Ion:	276	Resp:	364696
Ion Ratio	Lower	Upper	
276	100		
138	20.3	19.0	28.6
277	24.9	20.7	31.1

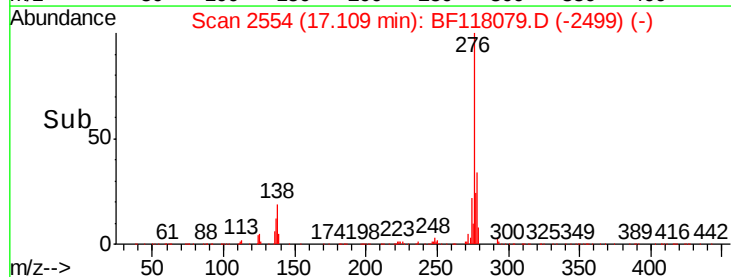
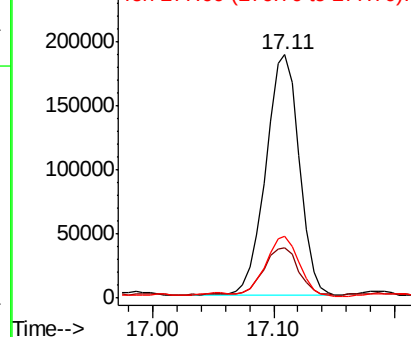


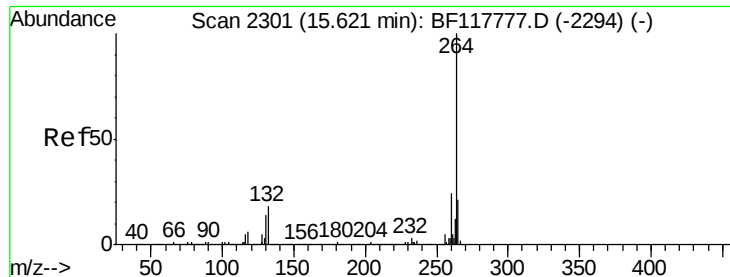
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





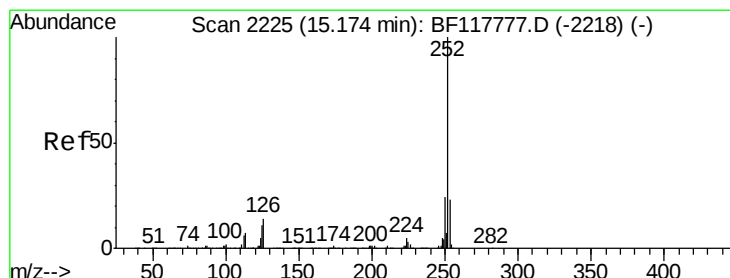
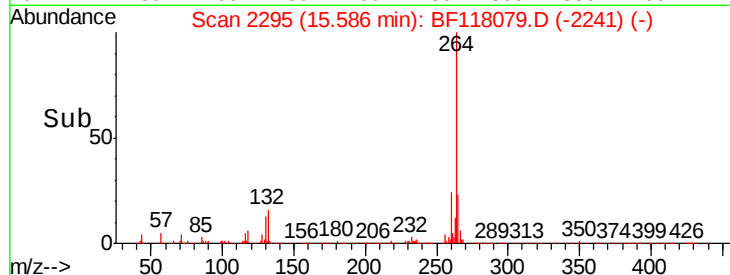
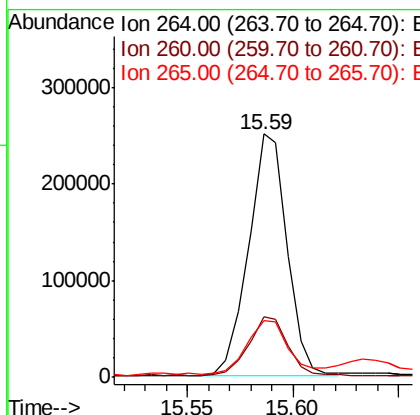
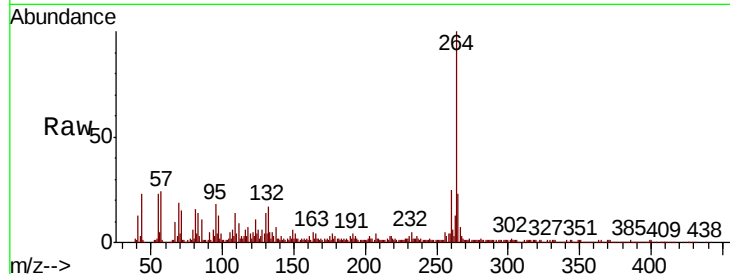
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.02 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampleId :
B-6-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.6
265	23.4	16.4	24.6

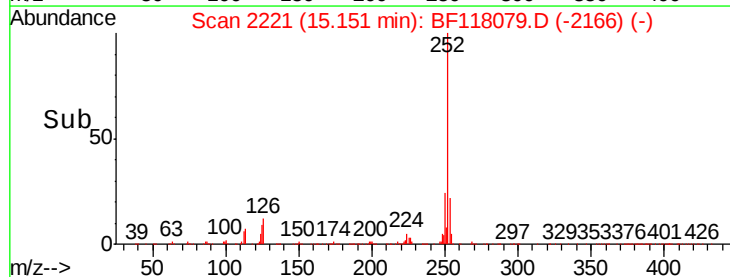
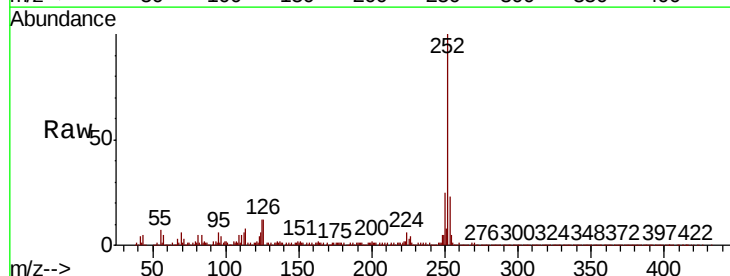
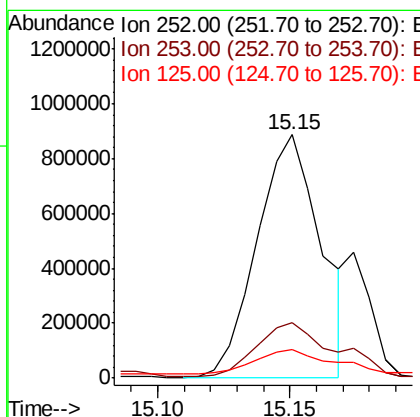
Manual Integrations
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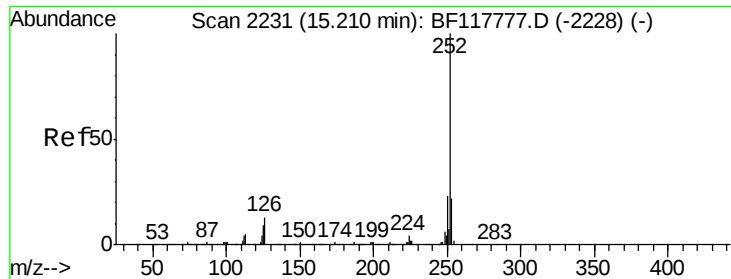
mohammad
12/4/2019 5:02:02 PM



#88
Benzo(b)fluoranthene
Concen: 72.297 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.02 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.5	7.7	11.5





#89

Benzo(k)fluoranthene

Concen: 15.291 ng m

RT: 15.17 min Scan# 2225

Delta R.T. 0.02 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

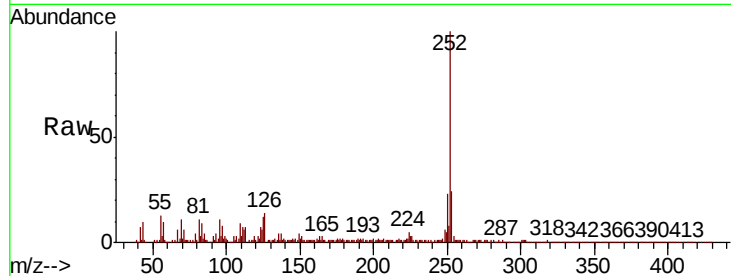
ClientSampled :

B-6-(0.5-1.0)

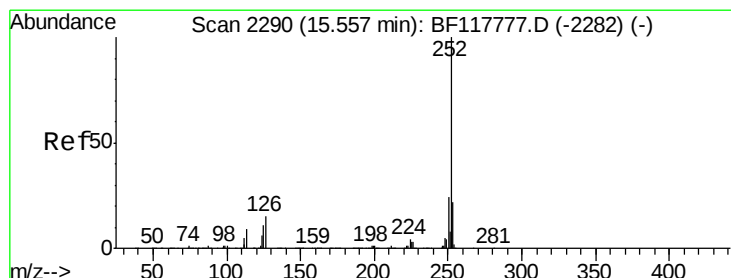
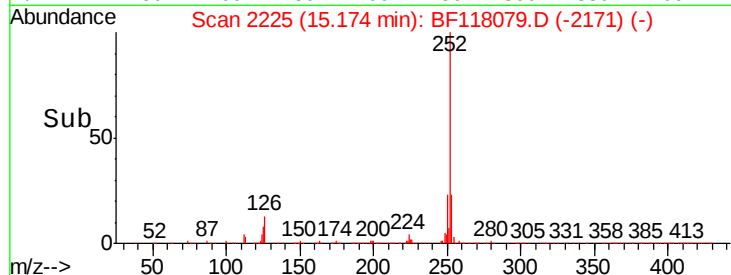
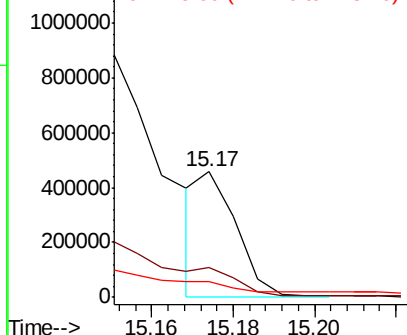
Tot Ion:	252	Resp:	296926
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.3	25.9
125	12.2	8.5	12.7

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 34.609 ng

RT: 15.53 min Scan# 2285

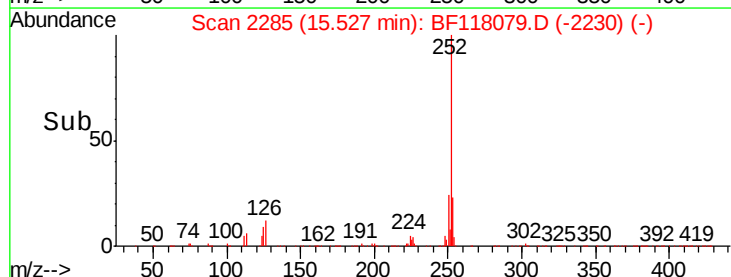
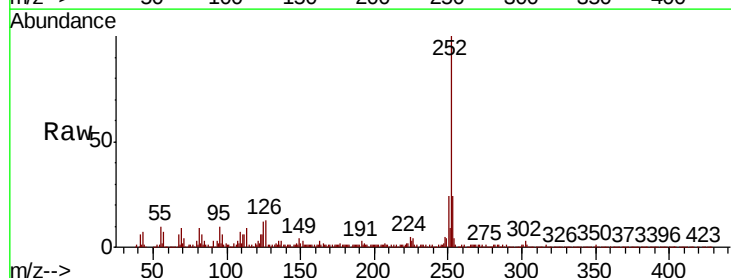
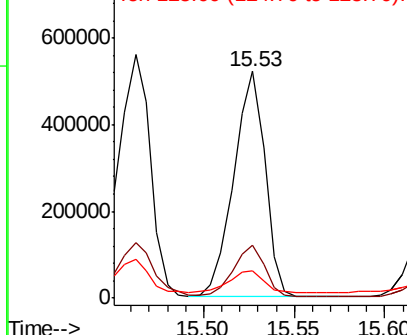
Delta R.T. 0.02 min

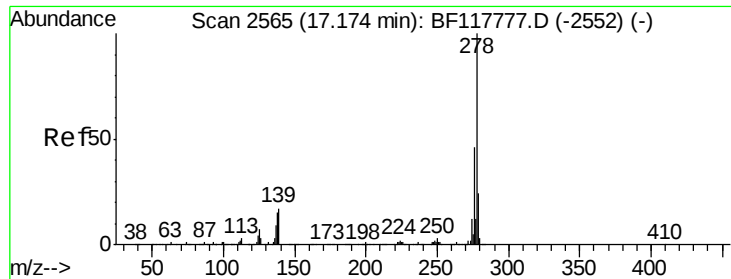
Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Tgt Ion:	252	Resp:	627183
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	12.1	8.9	13.3

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





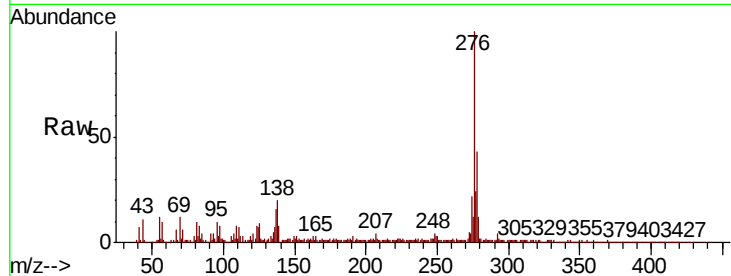
#91
Dibenzo(a,h)anthracene
Concen: 8.878 ng
RT: 17.12 min Scan# 2555
Delta R.T. 0.02 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampleId :
B-6-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.1	12.2	18.4#
279	26.8	19.0	28.6

Manual Integrations
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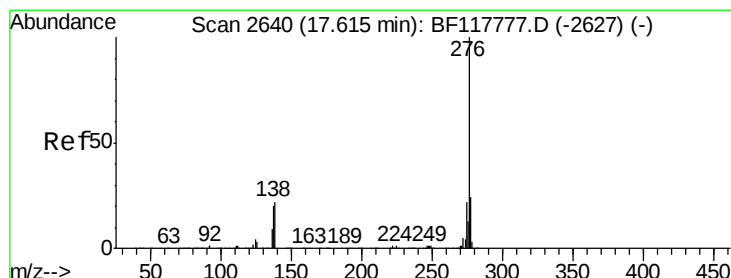
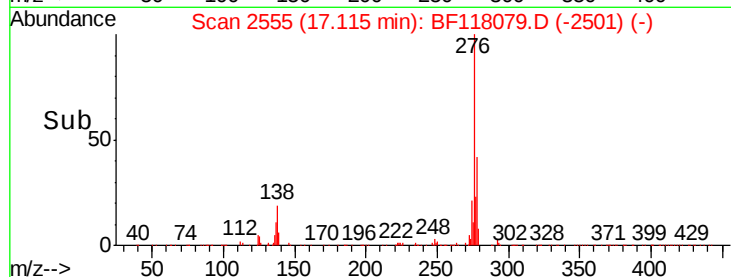
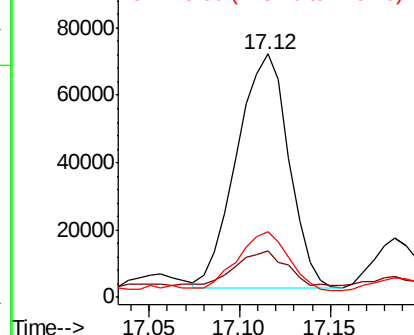


Abundance

Ion 278.00 (277.70 to 278.70): E

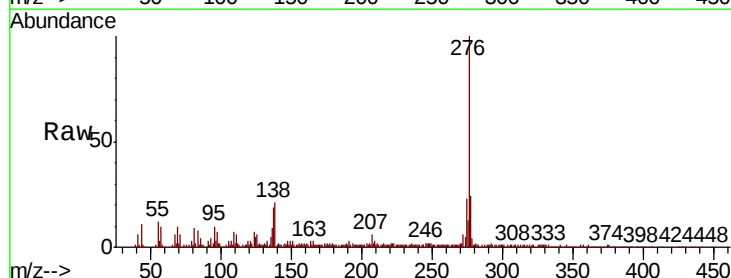
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 19.976 ng
RT: 17.57 min Scan# 2632
Delta R.T. 0.03 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	20.6	16.6	25.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

