

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118020.D
 Acq On : 26 Nov 2019 21:16
 Operator : JU
 Sample : K5959-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WS-112019-0-2-COMP-B3

Manual Integrations
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Quant Time: Nov 27 01:23:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	135734	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	486946	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	209698	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	340698	20.00	ng	0.00
76) Chrysene-d12	14.10	240	253077	20.00	ng	0.01
87) Perylene-d12	15.60	264	219037	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	175995	22.95	ng	0.00
7) Phenol-d6	6.52	99	223239	24.14	ng	0.00
23) Nitrobenzene-d5	7.45	82	116177	14.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	43299	19.50	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	193503	16.55	ng	0.00
79) Terphenyl-d14	13.03	244	206852	14.94	ng	0.00
Target Compounds						
49) Acenaphthylene	9.80	152	61519	3.297	ng	99
50) Dimethylphthalate	9.65	163	31215	2.123	ng	99
71) Phenanthrene	11.46	178	591386	34.525	ng	97
72) Anthracene	11.52	178	170963	10.067	ng	96
75) Fluoranthene	12.66	202	960524	64.907	ng	99
78) Pyrene	12.90	202	1461689	71.467	ng	99
81) Benzo(a)anthracene	14.09	228	758353	45.346	ng	97
83) Chrysene	14.12	228	688790	42.504	ng	98
84) Bis(2-ethylhexyl)phthalate	14.06	149	449614	42.218	ng	97
86) Indeno(1,2,3-cd)pyrene	17.13	276	168478	12.215	ng	95
88) Benzo(b)fluoranthene	15.16	252	508059m	35.701	ng	
89) Benzo(k)fluoranthene	15.18	252	145361m	10.841	ng	
90) Benzo(a)pyrene	15.54	252	314593	25.140	ng	98
91) Dibenzo(a,h)anthracene	17.13	278	55493	5.152	ng	92
92) Benzo(a,h,i)perylene	17.59	276	169489	15.799	ng	100

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

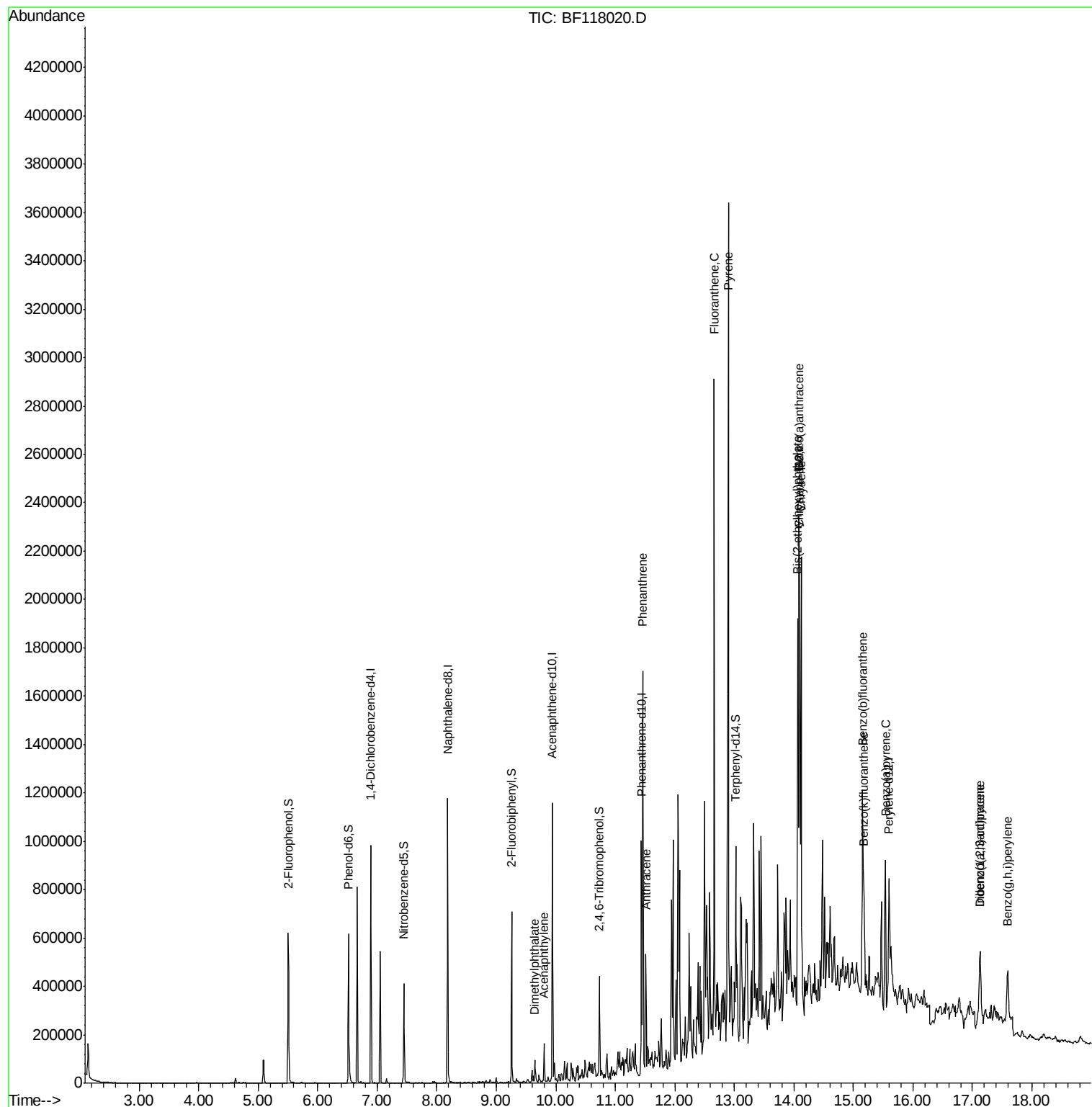
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
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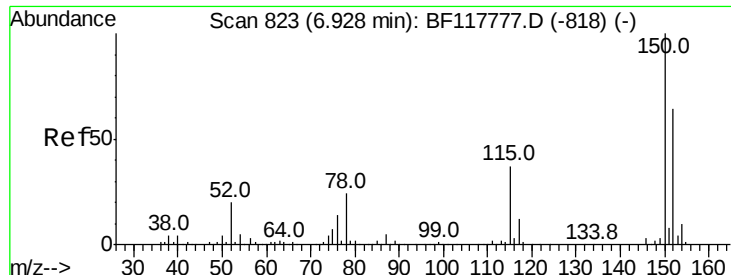
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#1

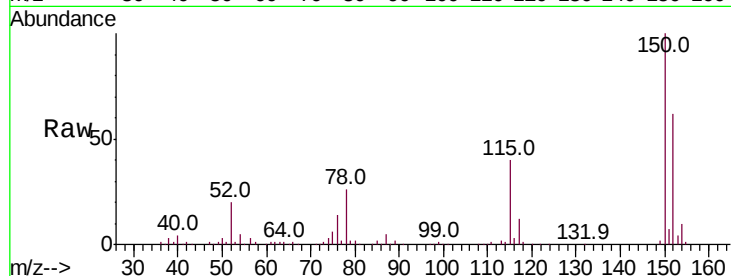
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	125.3	187.9
115	64.1	47.0	70.4

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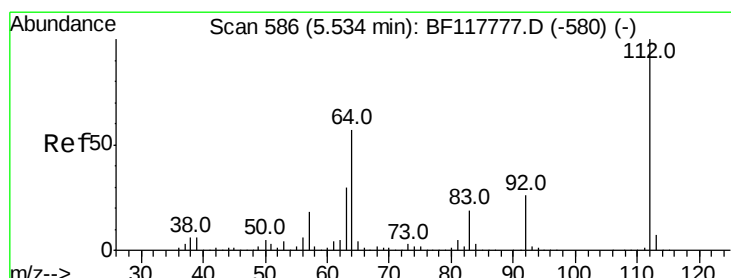
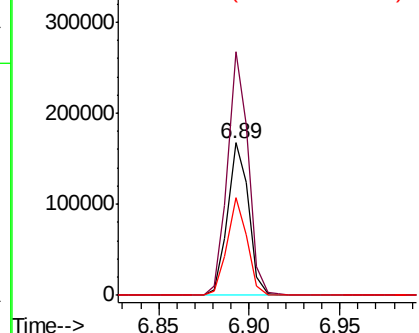
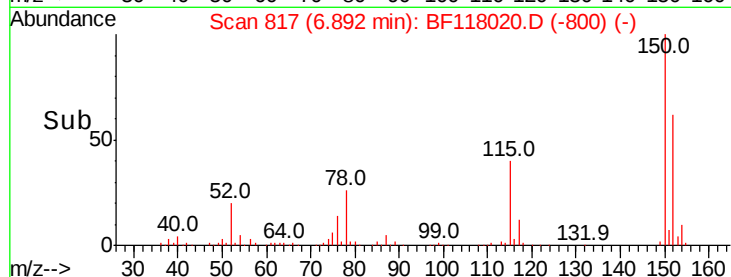


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

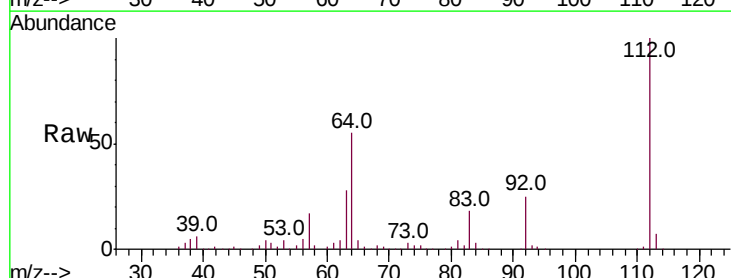
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.951 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.6	68.4
63	28.2	24.1	36.1

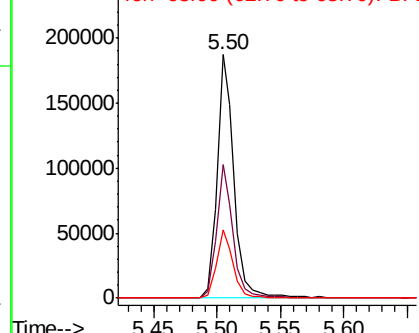
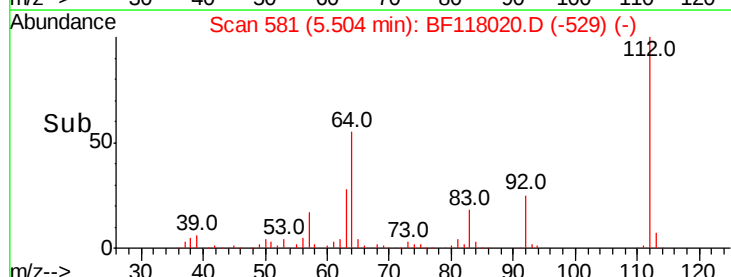


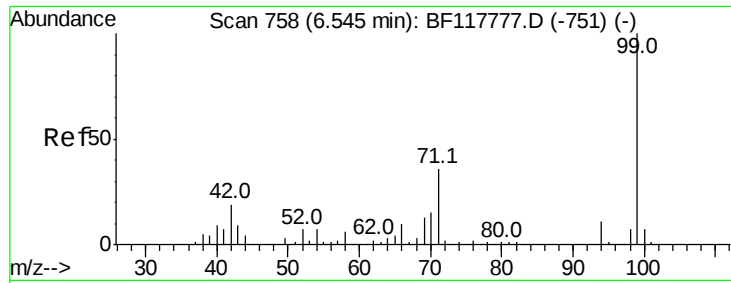
Abundance

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: 24.137 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

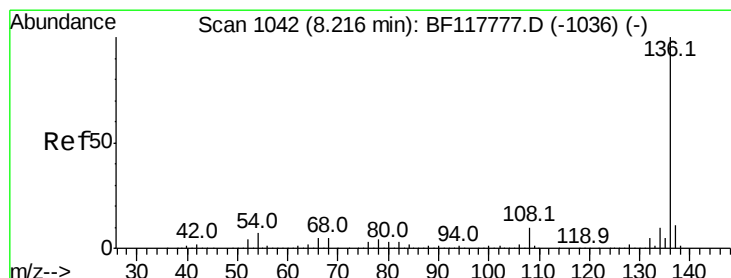
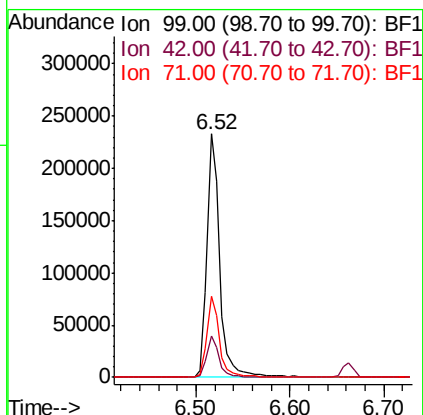
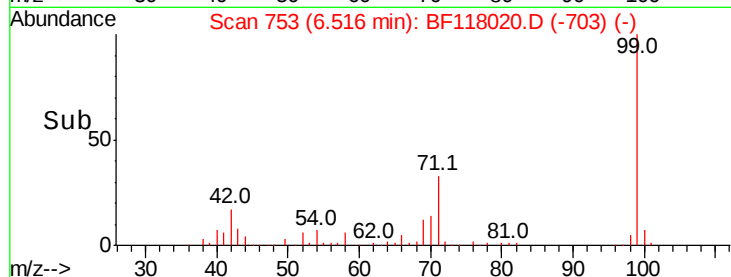
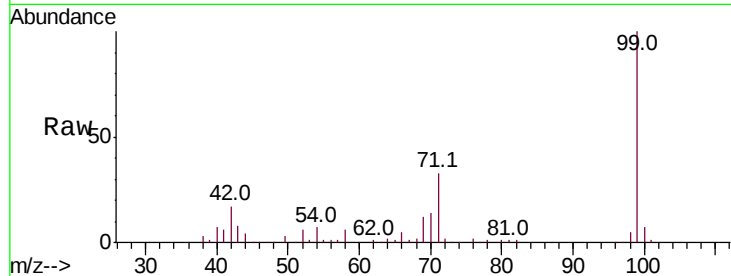
ClientSampleId :

WS-112019-0-2-COMP-B3

Tot Ion:	99	Resp:	223239
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.9	22.3
71	33.5	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

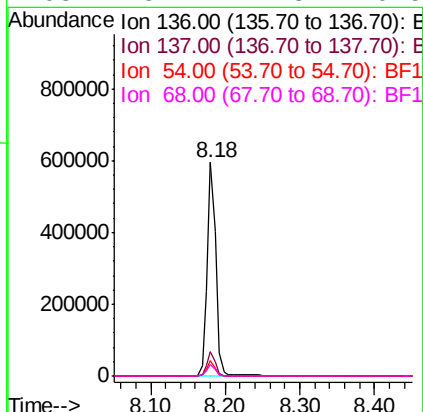
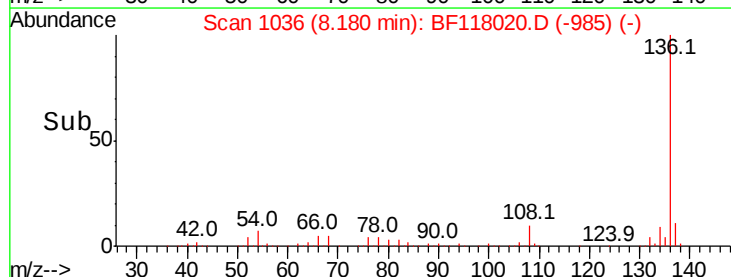
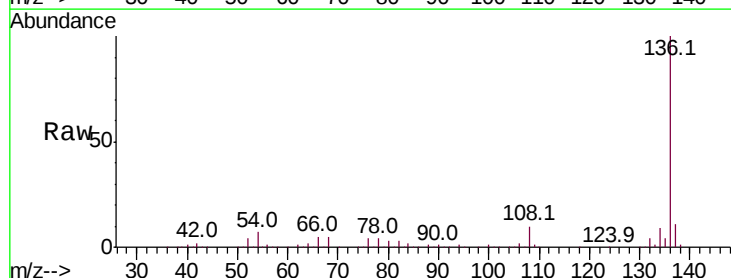
RT: 8.18 min Scan# 1036

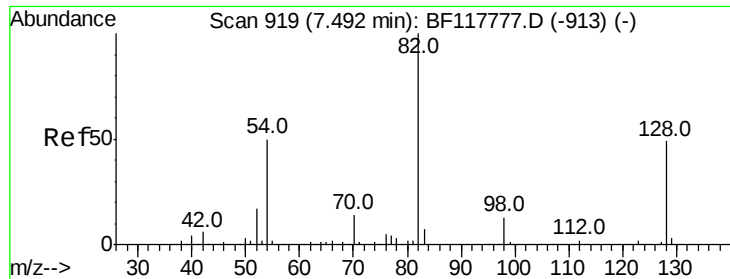
Delta R.T. -0.00 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Tgt Ion:	136	Resp:	486946
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.1	5.4	8.2
68	5.4	4.3	6.5





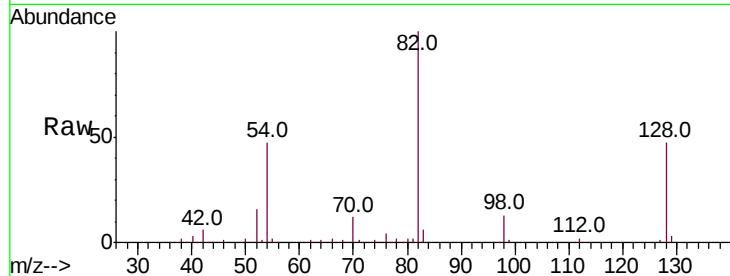
#23
 Nitrobenzene-d5
 Concen: 14.183 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF118020.D
 Acq: 26 Nov 2019 21:16

Instrument :
 BNA_F
 ClientSampleId :
 WS-112019-0-2-COMP-B3

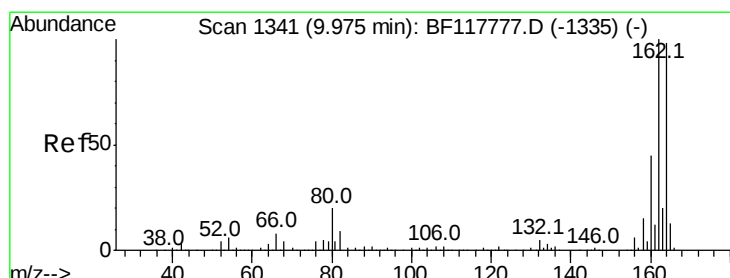
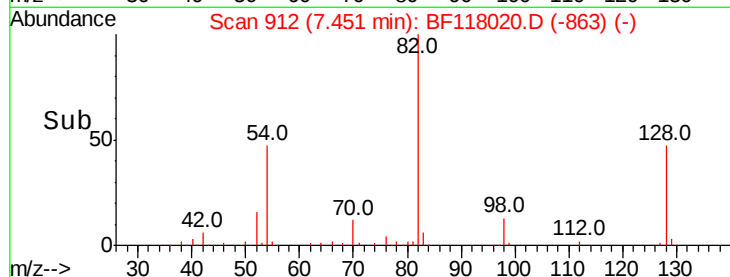
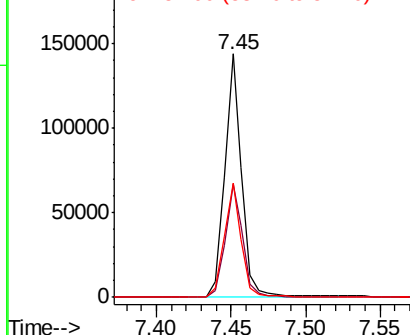
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	38.9	58.3
54	46.9	39.8	59.6

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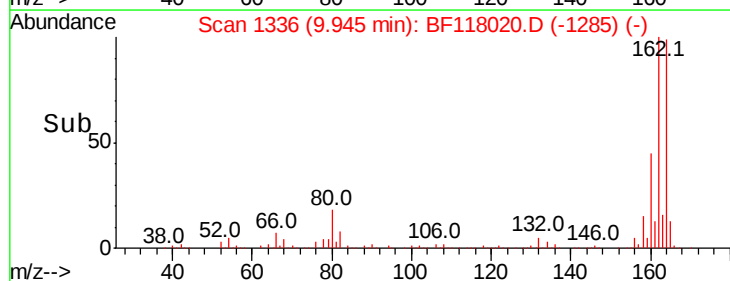
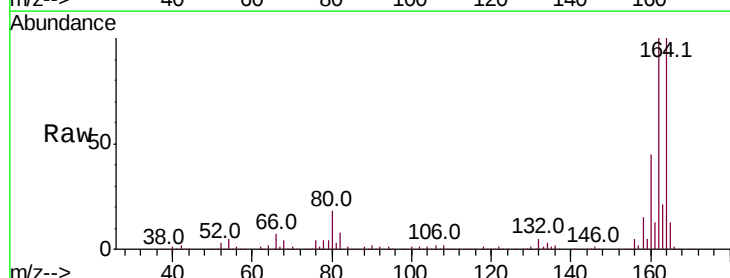
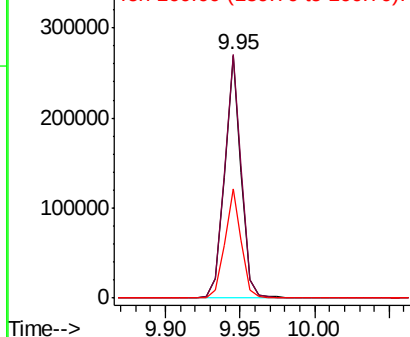
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

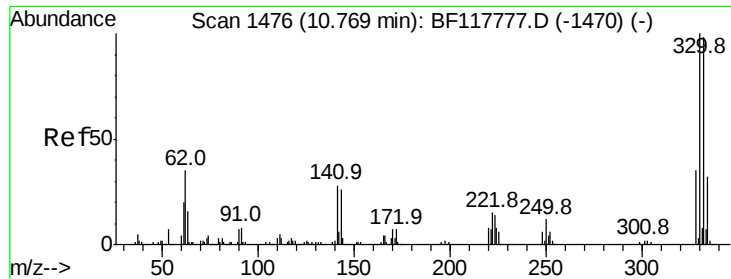


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: BF118020.D
 Acq: 26 Nov 2019 21:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.3	121.9
160	45.0	36.6	55.0

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





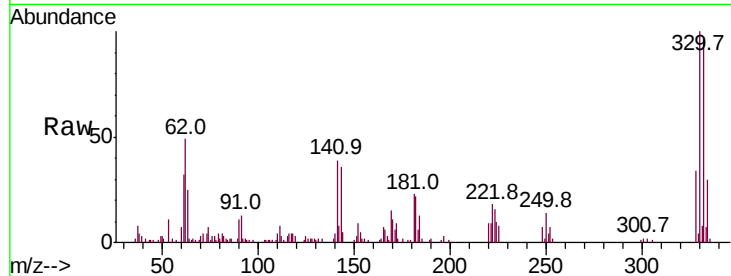
#42
 2,4,6-Tribromophenol
 Concen: 19.504 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.01 min
 Lab File: BF118020.D
 Acq: 26 Nov 2019 21:16

Instrument :
 BNA_F
 ClientSampleId :
 WS-112019-0-2-COMP-B3

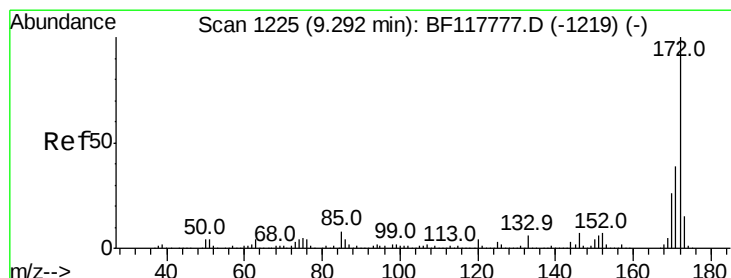
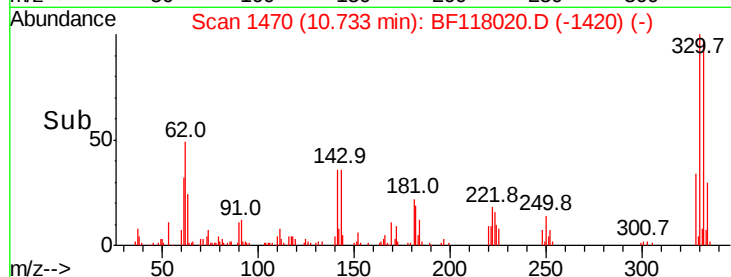
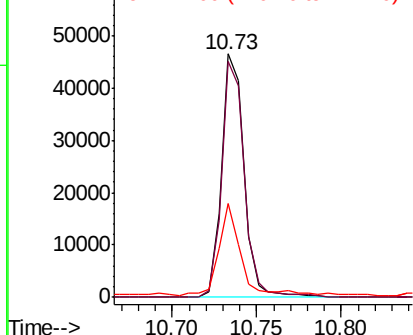
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.7	115.1
141	35.7	27.7	41.5

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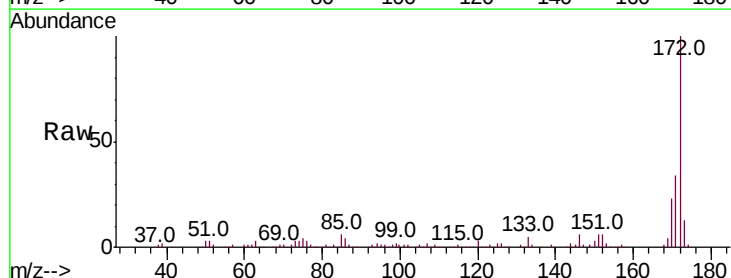


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

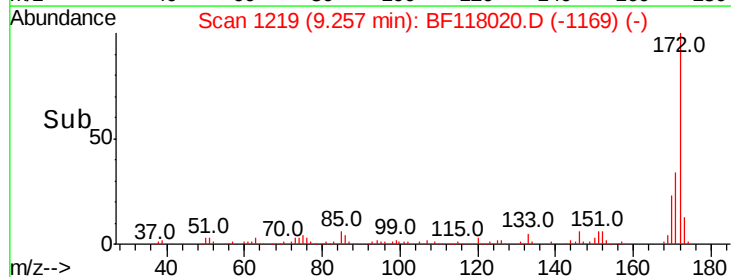
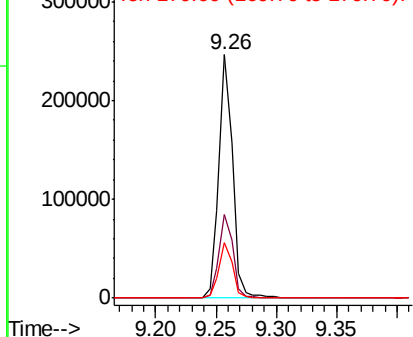


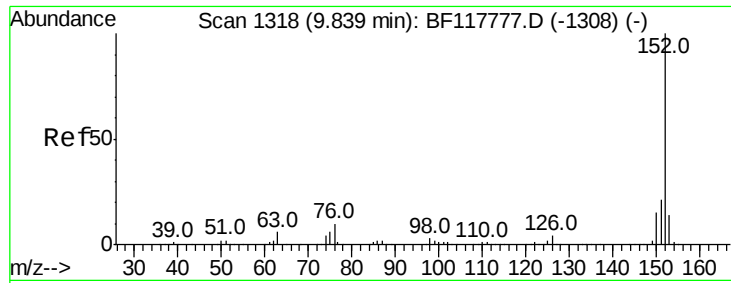
#45
 2-Fluorobiphenyl
 Concen: 16.555 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF118020.D
 Acq: 26 Nov 2019 21:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	30.9	46.3
170	23.0	21.0	31.4



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





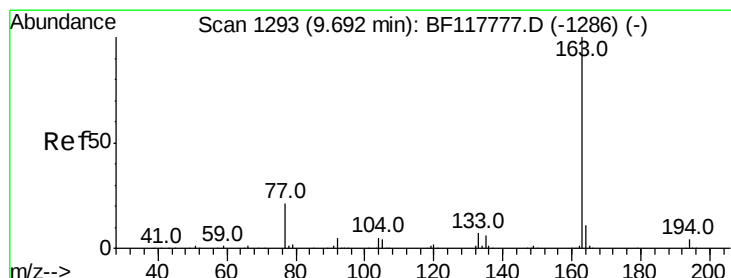
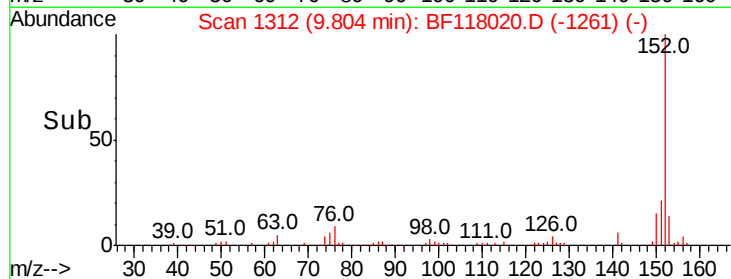
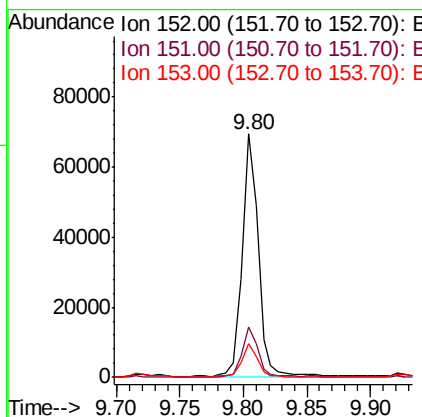
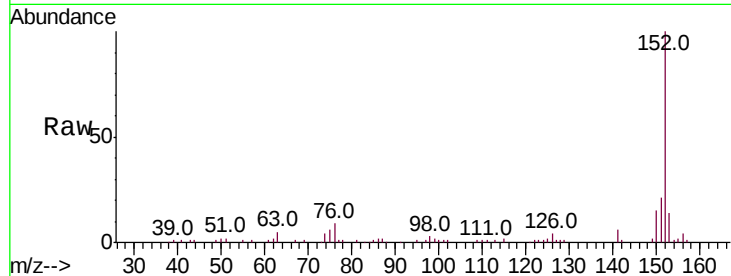
#49
Acenaphthylene
Concen: 3.297 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.0	25.6
153	13.7	11.0	16.6

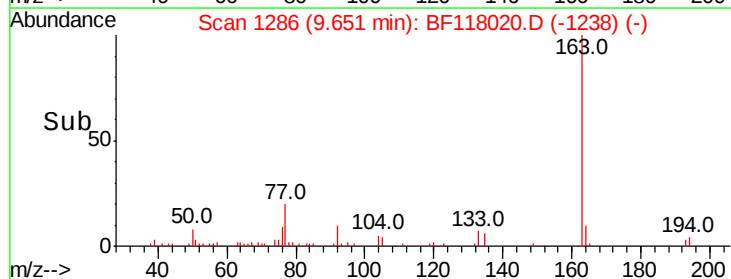
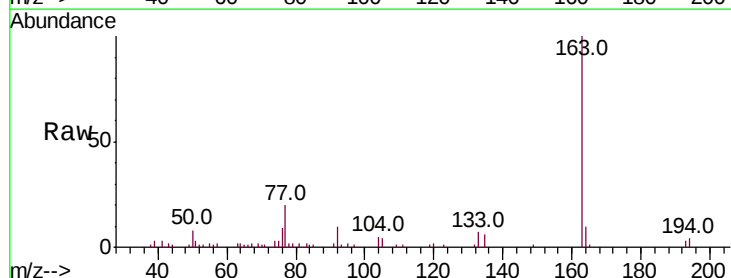
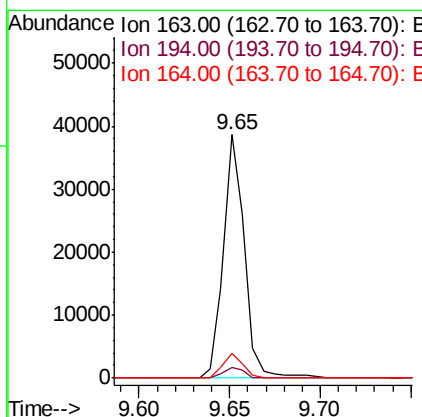
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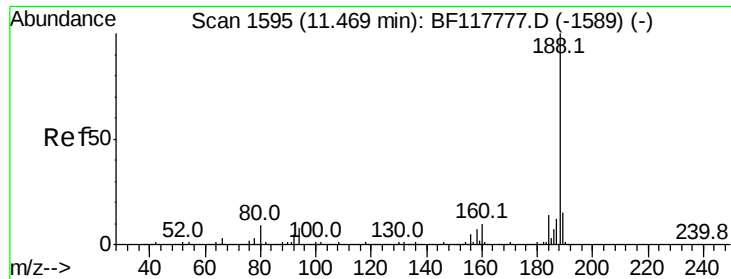
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#50
Dimethylphthalate
Concen: 2.123 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.3	4.9
164	10.3	8.7	13.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

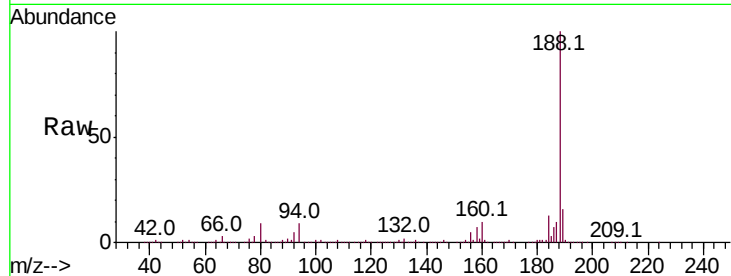
ClientSampleId :

WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Resp	Lower	Upper
188	100	340698		
94	8.9	6.6	10.0	
80	9.1	7.2	10.8	

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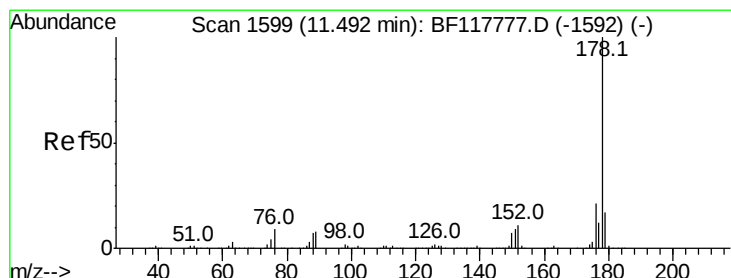
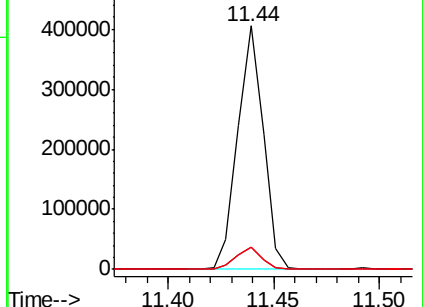
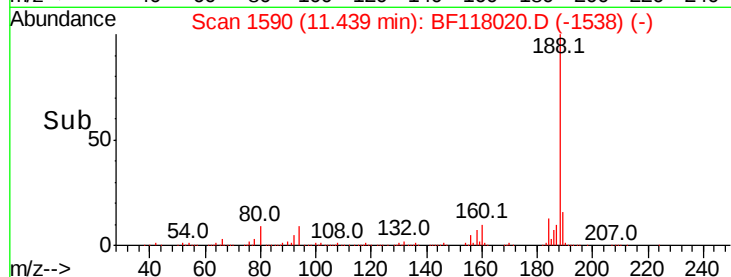
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 34.525 ng

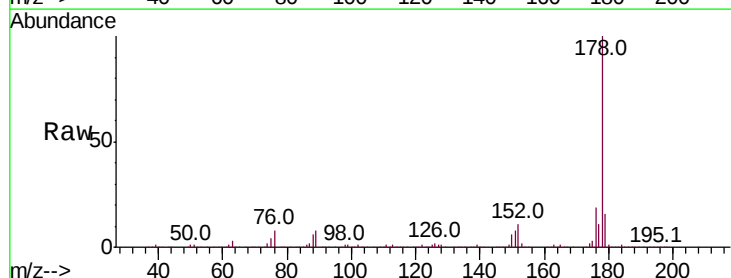
RT: 11.46 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

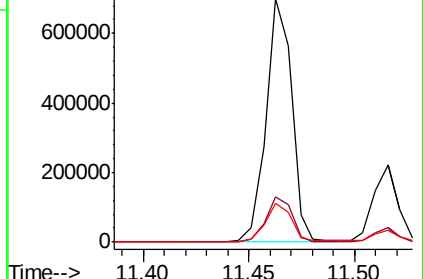
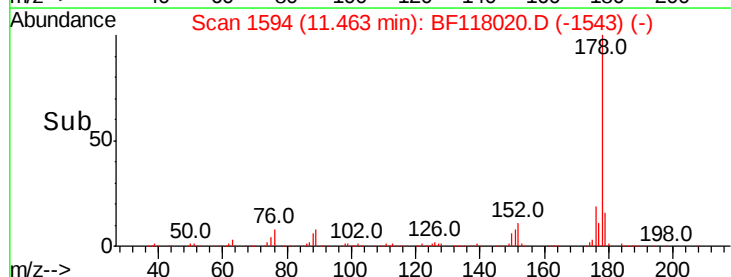
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	591386		
176	18.8	16.6	25.0	
179	15.8	13.2	19.8	

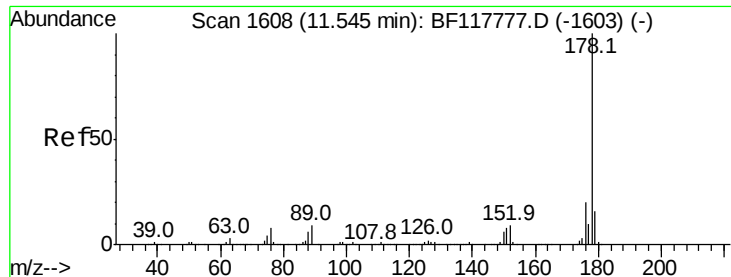


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 10.067 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.00 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

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ClientSampleId :

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Tot Ion:178 Resp: 170963

Ion Ratio Lower Upper

178 100

176 18.1 16.1 24.1

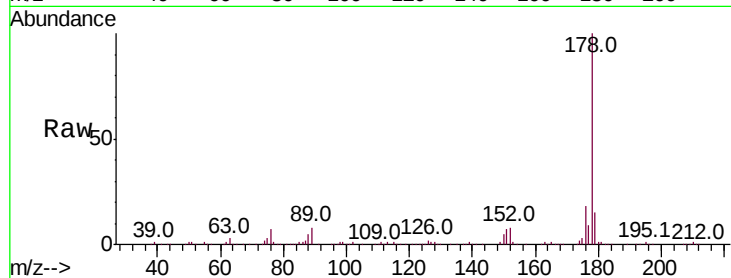
179 14.9 13.0 19.4

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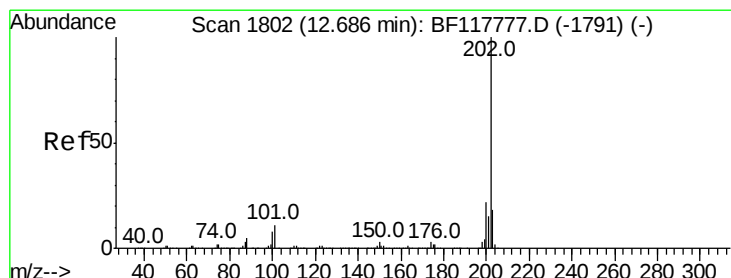
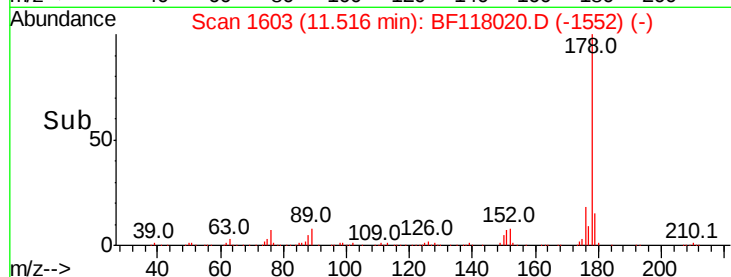
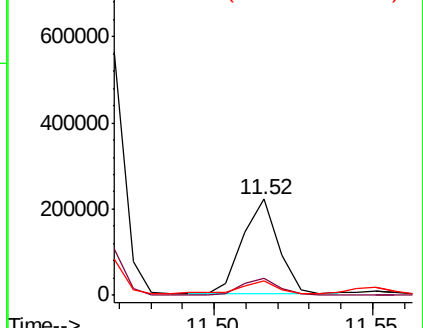
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 64.907 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

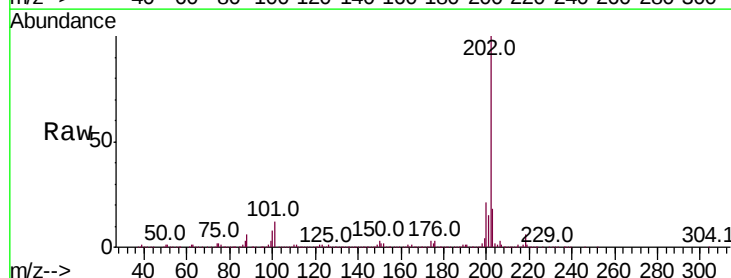
Tgt Ion:202 Resp: 960524

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.1

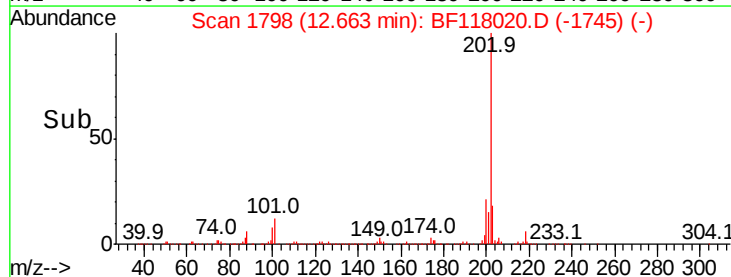
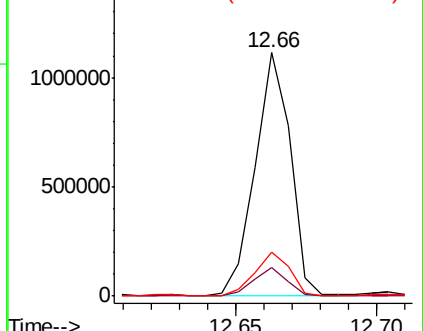
203 18.1 0.0 38.2

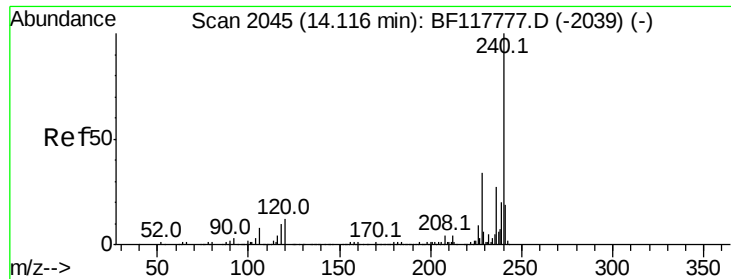


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





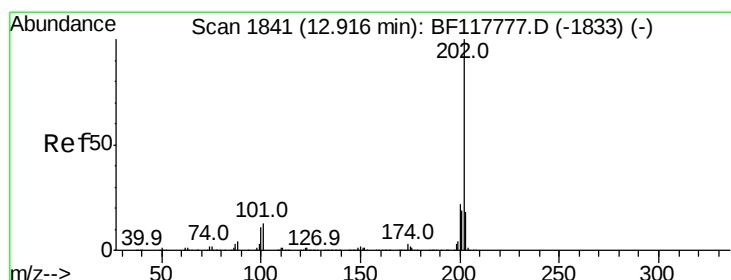
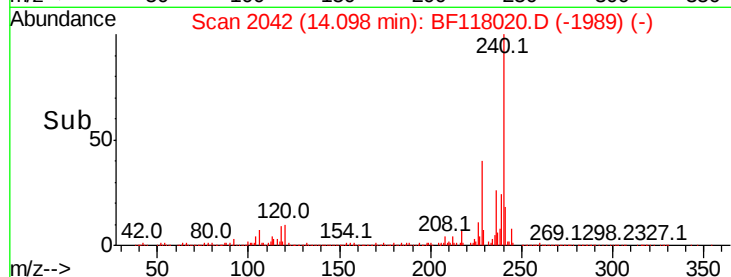
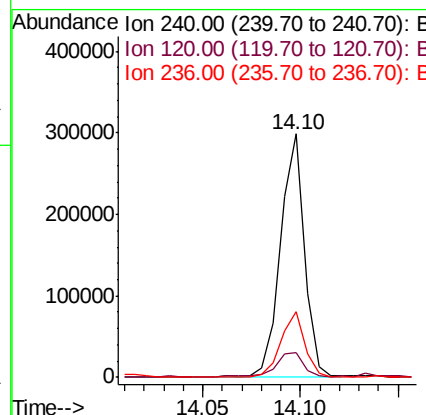
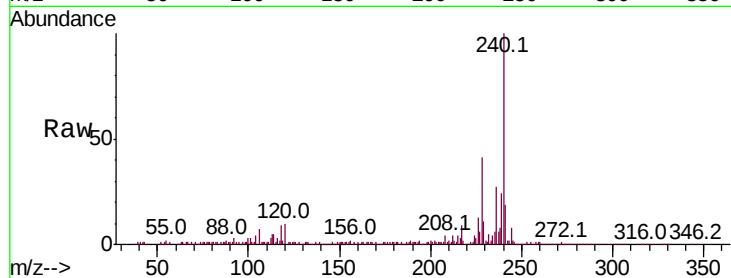
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.01 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.5	14.3
236	27.0	21.3	31.9

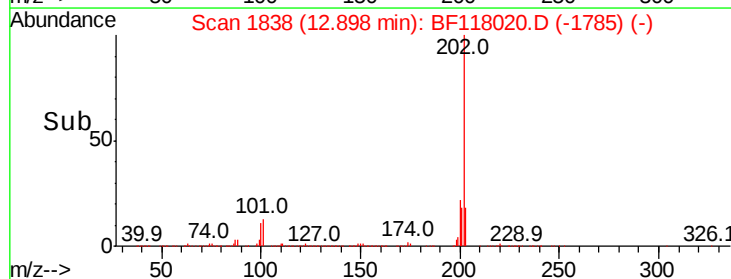
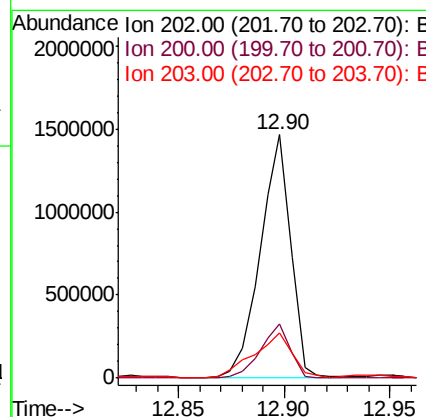
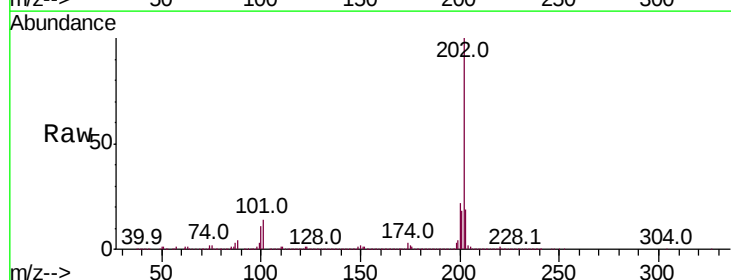
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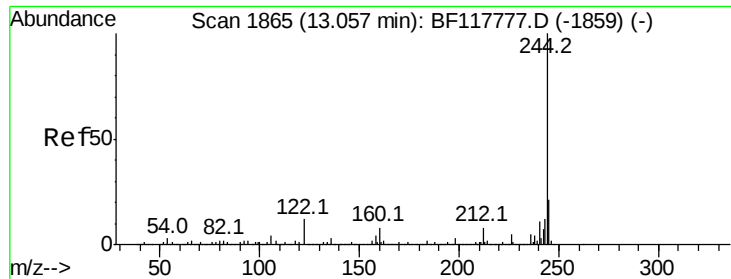
jagrut
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#78
Pyrene
Concen: 71.467 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.8	26.8
203	18.6	14.6	22.0





#79

Terphenyl-d14

Concen: 14.938 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

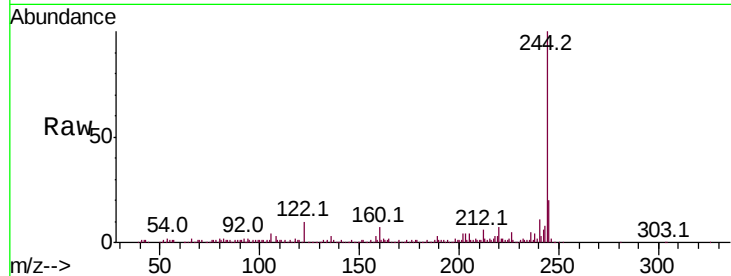
ClientSampleId :

WS-112019-0-2-COMP-B3

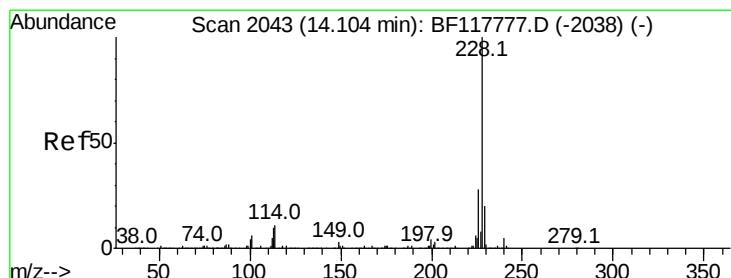
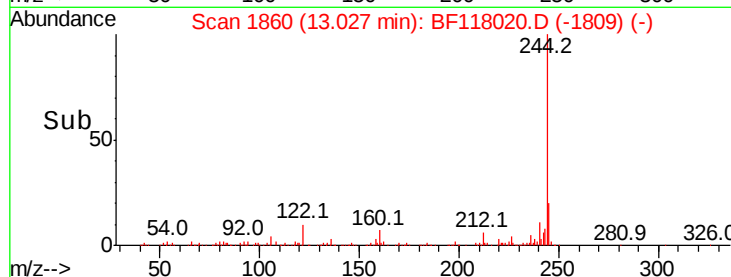
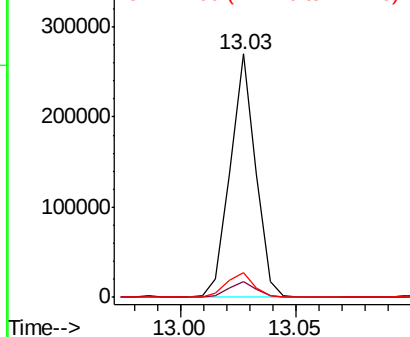
Tot Ion:	244	Resp:	206852
Ion Ratio	Lower	Upper	
244	100		
212	6.4	6.3	9.5
122	10.4	9.4	14.2

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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: 45.346 ng

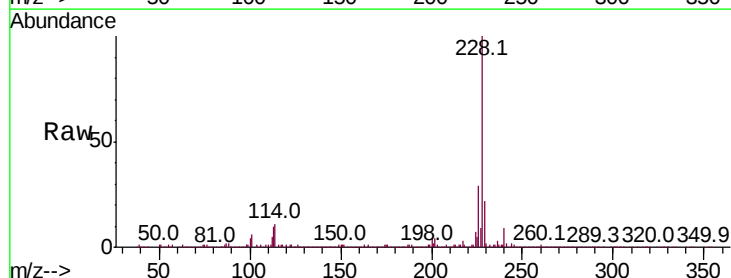
RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

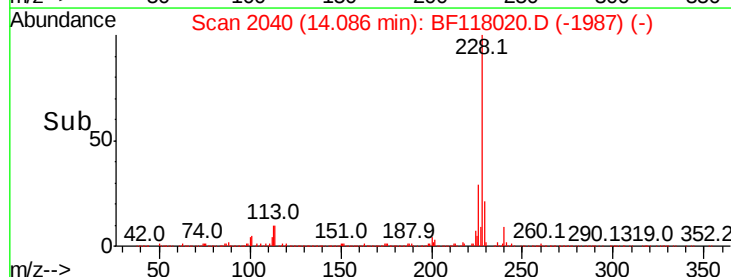
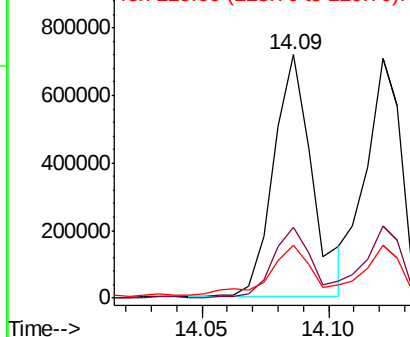
Lab File: BF118020.D

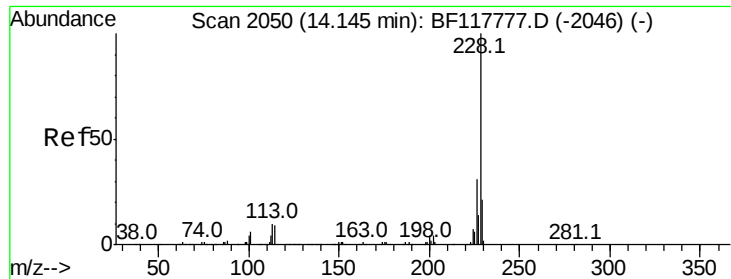
Acq: 26 Nov 2019 21:16

Tgt Ion:	228	Resp:	758353
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.2	33.2
229	21.6	15.9	23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





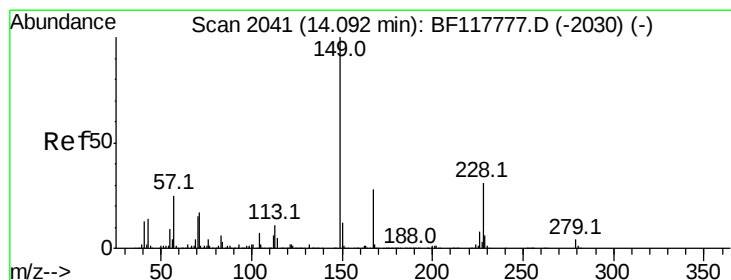
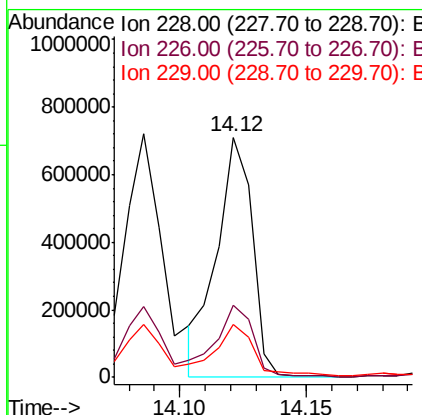
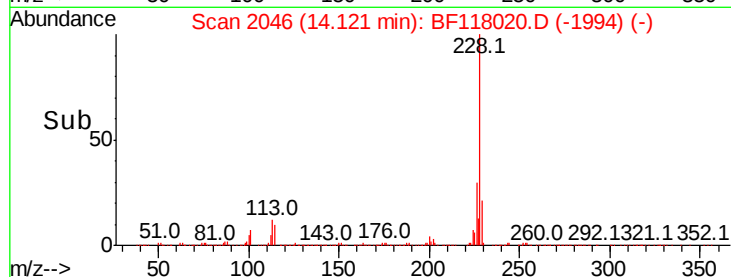
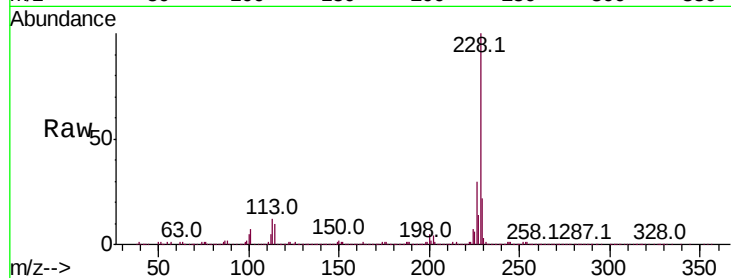
#83
 Chrvsene
 Concen: 42.504 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. 0.01 min
 Lab File: BF118020.D
 Acq: 26 Nov 2019 21:16

Instrument :
 BNA_F
 ClientSampleId :
 WS-112019-0-2-COMP-B3

Tot Ion:	228	Resp:	688790
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.4
229	21.9	16.6	25.0

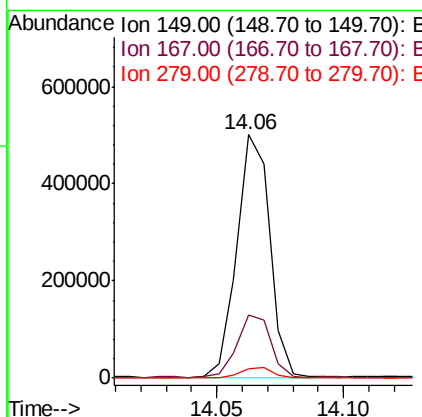
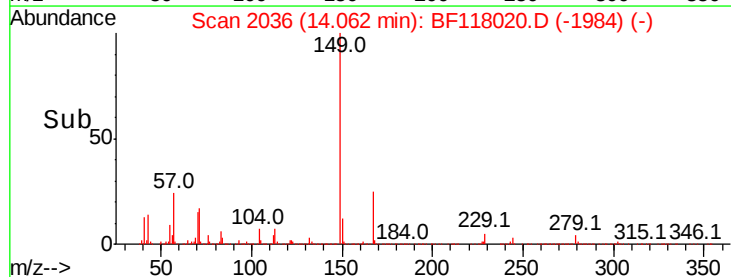
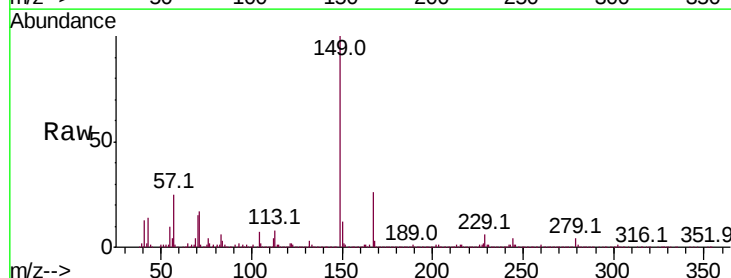
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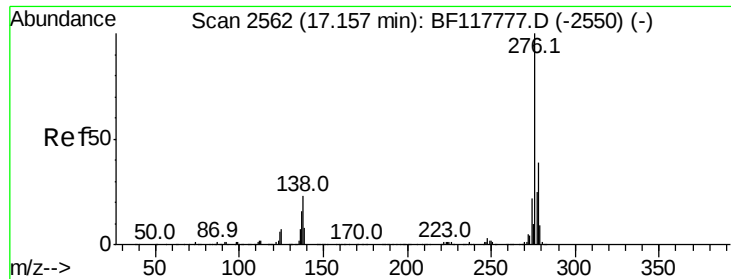
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.218 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF118020.D
 Acq: 26 Nov 2019 21:16

Tgt Ion:	149	Resp:	449614
Ion Ratio	Lower	Upper	
149	100		
167	25.8	22.2	33.2
279	3.7	3.4	5.2





#86

Indeno(1,2,3-cd)pyrene

Concen: 12.215 ng

RT: 17.13 min Scan# 2557

Delta R.T. 0.03 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

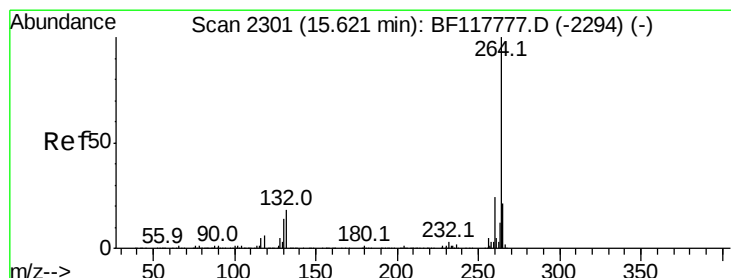
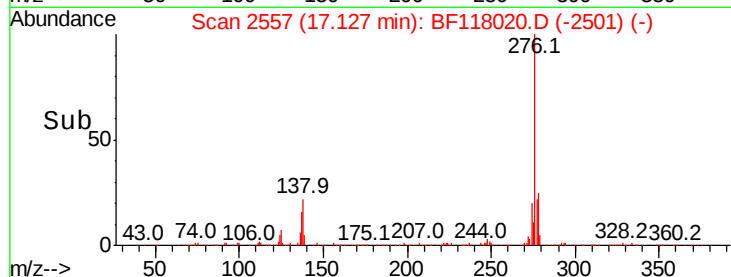
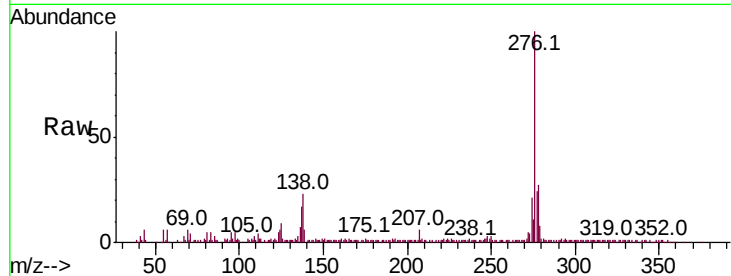
ClientSampleId :

WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.9	31.3
277	24.2	20.3	30.5

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#87

Perylene-d12

Concen: 20.000 ng

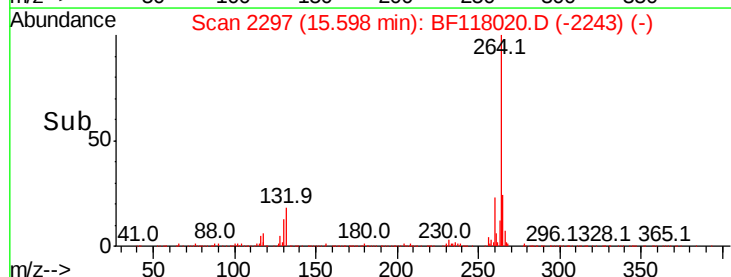
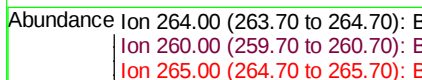
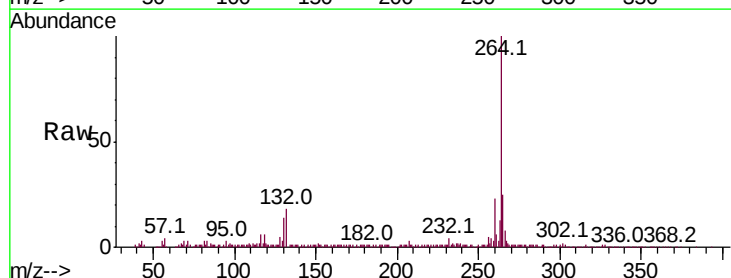
RT: 15.60 min Scan# 2297

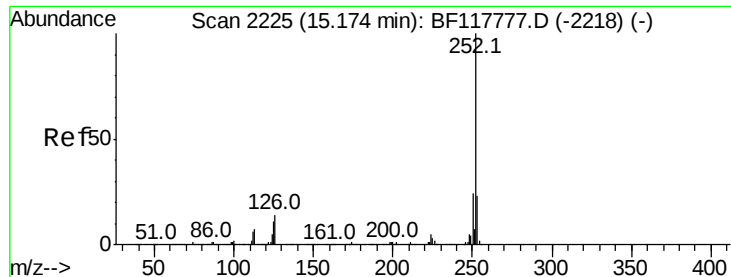
Delta R.T. 0.02 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	24.7	17.1	25.7





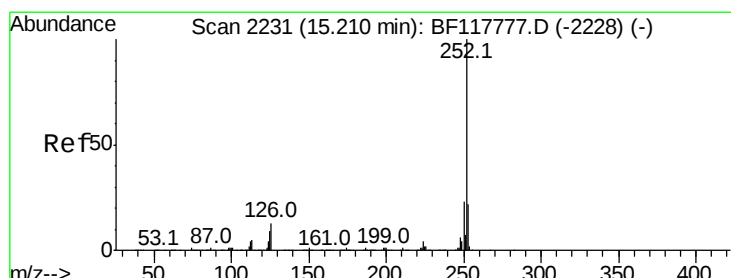
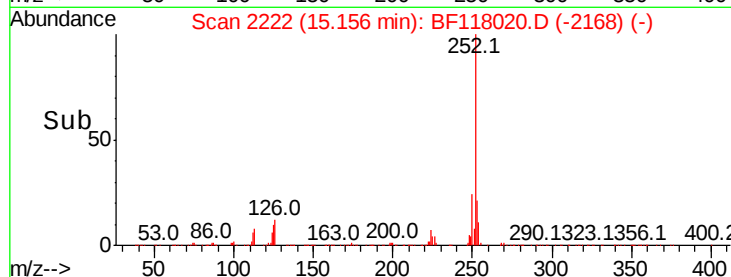
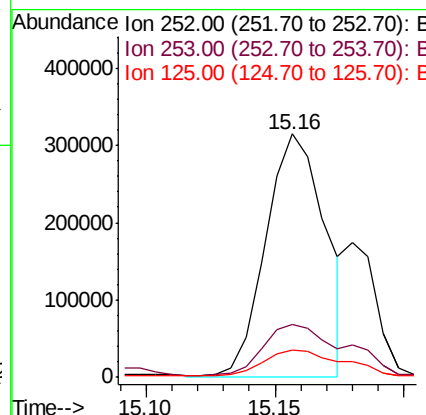
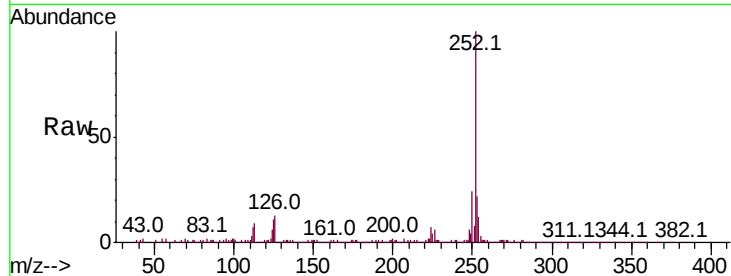
#88
Benzo(b)fluoranthene
Concen: 35.701 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.02 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	11.2	8.6	13.0

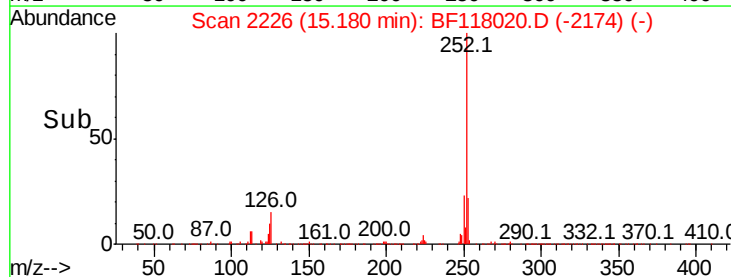
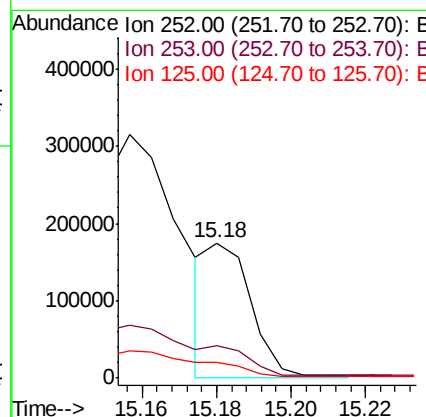
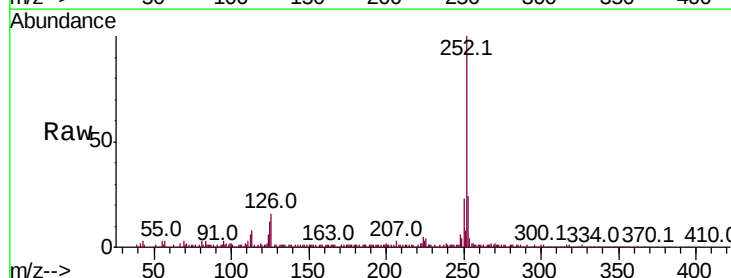
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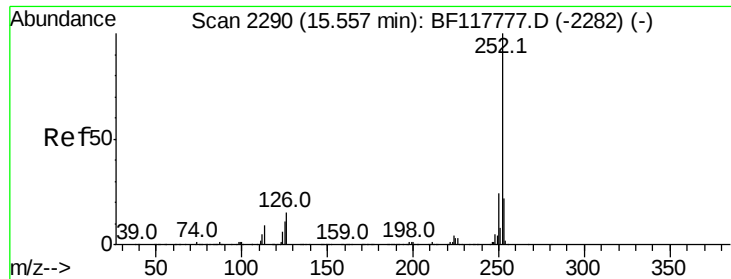
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#89
Benzo(k)fluoranthene
Concen: 10.841 ng m
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	11.6	7.9	11.9





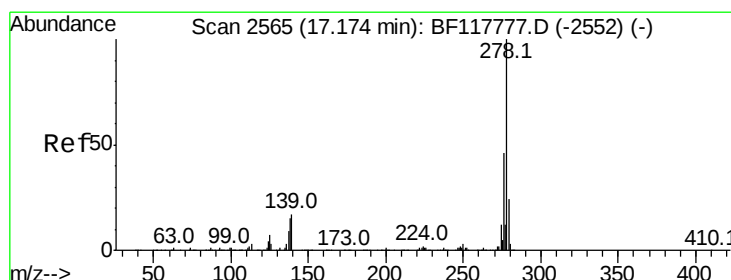
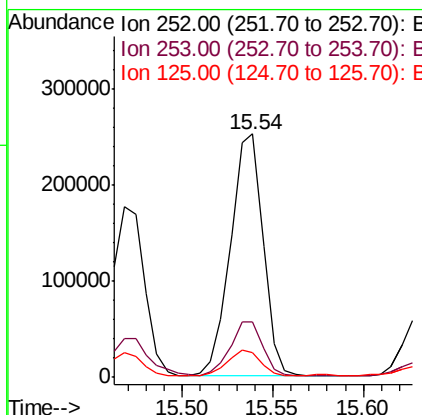
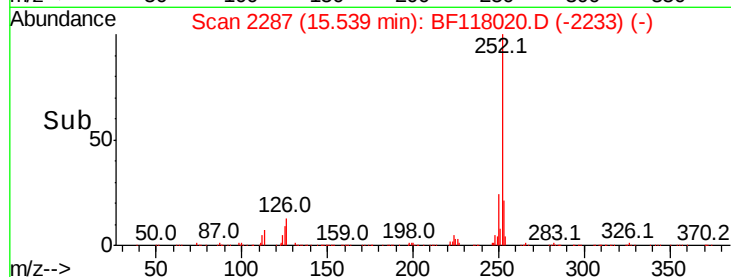
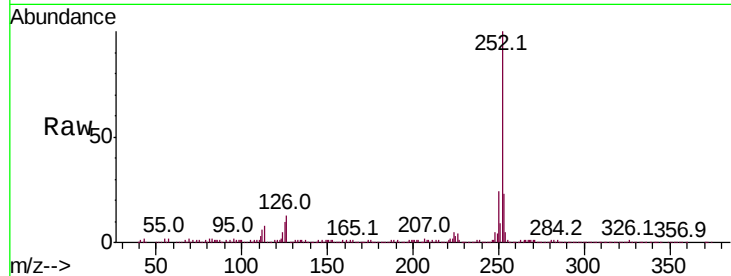
#90
Benzo(a)pyrene
Concen: 25.140 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.02 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	10.1	9.2	13.8

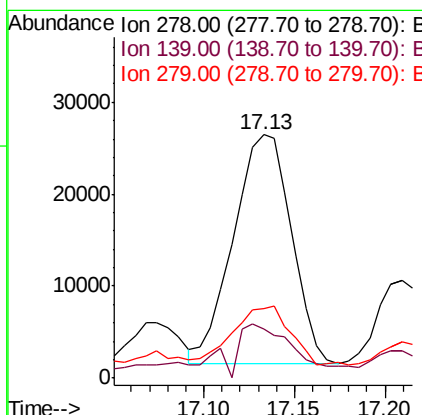
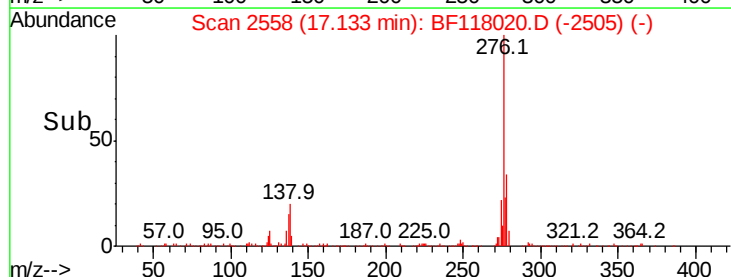
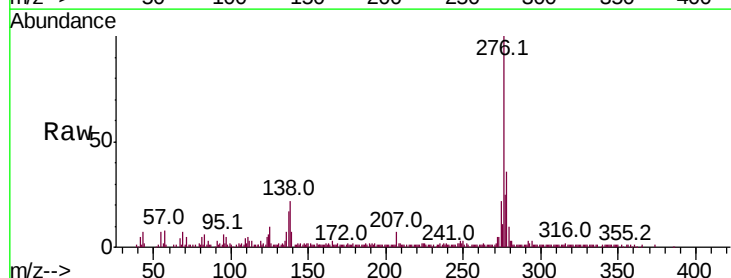
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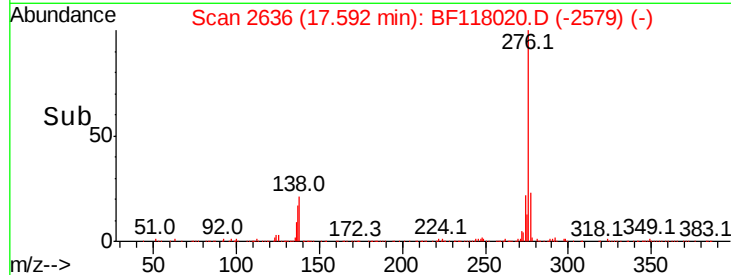
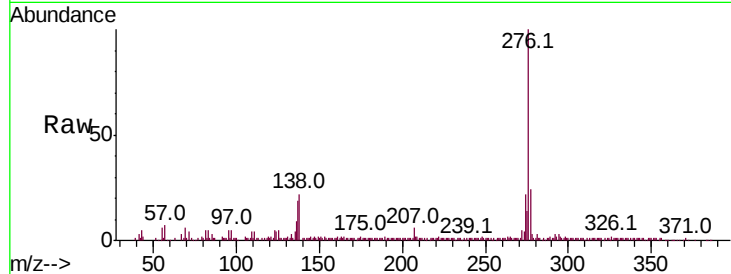
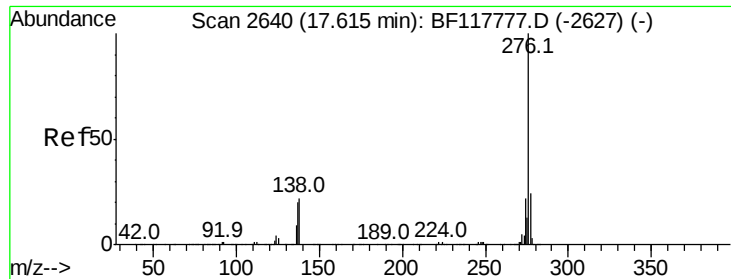
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#91
Dibenzo(a,h)anthracene
Concen: 5.152 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.01 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	13.8	20.8
279	28.6	19.6	29.4





#92
Benzo(a,h,i)perylene
Concen: 15.799 ng
RT: 17.59 min Scan# 2636
Delta R.T. 0.04 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	21.9	17.4	26.2

Manual Integrations
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