

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117223.D
 Acq On : 24 Sep 2019 18:47
 Operator : JU
 Sample : K5008-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3

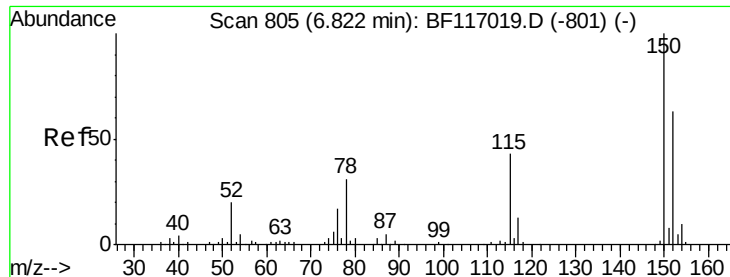
Manual Integrations
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 9/26/2019 8:24:08 AM

Quant Time: Sep 25 10:58:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	25349	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	102139	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	63999	20.00	ng	0.02
64) Phenanthrene-d10	11.36	188	88057	20.00	ng	0.03
76) Chrysene-d12	13.97	240	59286	20.00	ng	0.00
87) Perylene-d12	15.43	264	68027	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	158525	97.64	ng	0.00
7) Phenol-d6	6.45	99	220006	104.85	ng	0.00
23) Nitrobenzene-d5	7.38	82	144309	74.24	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	51185	95.69	ng	0.03
45) 2-Fluorobiphenyl	9.19	172	249037	60.84	ng	0.01
79) Terphenyl-d14	12.92	244	228529	72.05	ng	0.00
Target Compounds						
10) Phenol	6.46	94	11307	4.888	ng	# 71
31) Naphthalene	8.13	128	260217	52.973	ng	# 94
37) 2-Methylnaphthalene	8.84	142	1183350	357.737	ng	99
38) 1-Methylnaphthalene	8.94	142	996179m	321.546	ng	
46) 1,1'-Biphenyl	9.29	154	109824	21.877	ng	98
49) Acenaphthylene	9.75	152	41833	7.048	ng	# 1
50) Dimethylphthalate	9.59	163	23956m	5.287	ng	
52) Acenaphthene	9.91	154	77710	22.087	ng	# 75
55) Dibenzofuran	10.09	168	113100m	21.788	ng	
56) 4-Nitrophenol	9.99	139	63031	83.520	ng	# 61
58) Fluorene	10.43	166	187537	44.849	ng	# 93
71) Phenanthrene	11.39	178	578164	115.596	ng	97
72) Anthracene	11.44	178	39183m	7.674	ng	
75) Fluoranthene	12.56	202	14240	2.771	ng	75
78) Pyrene	12.79	202	35567	7.150	ng	# 93

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



#1

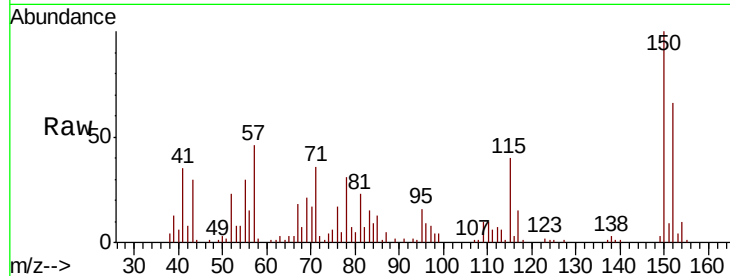
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampleId :
SB-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	127.5	191.3
115	60.9	55.0	82.4

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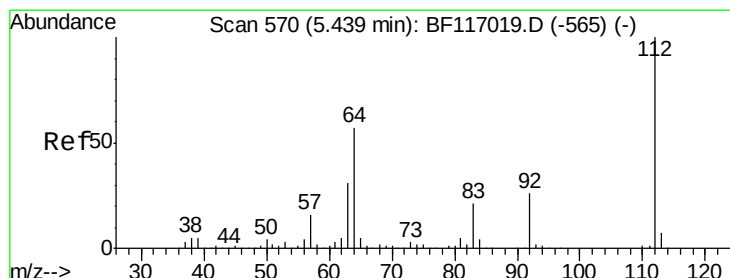
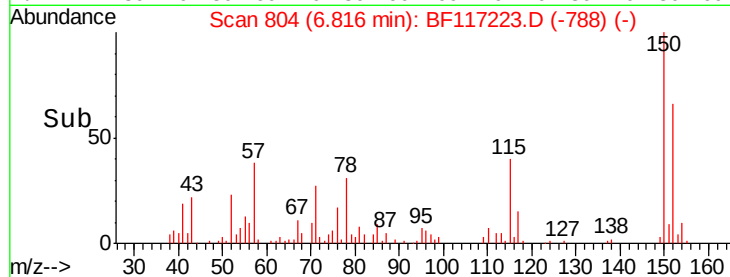
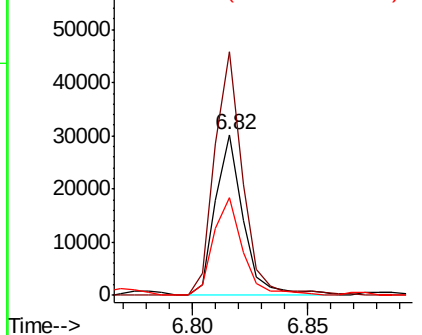


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

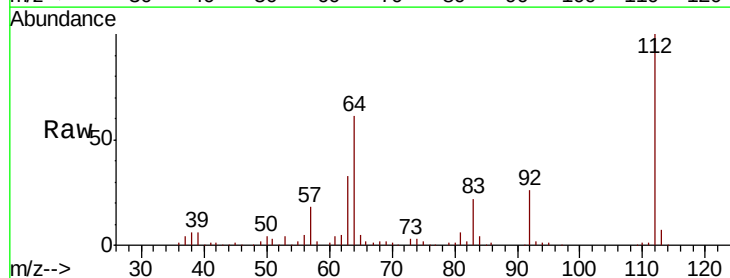
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.636 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	45.7	68.5
63	33.0	24.9	37.3

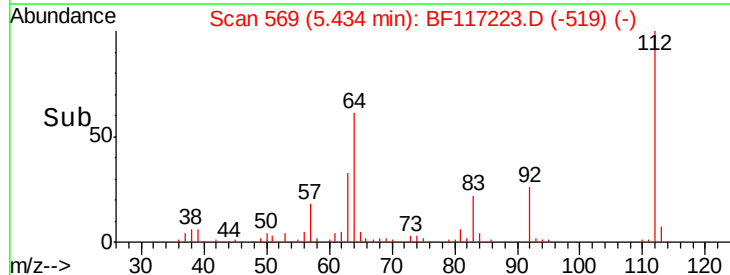
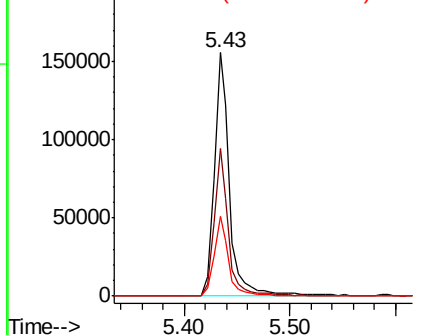


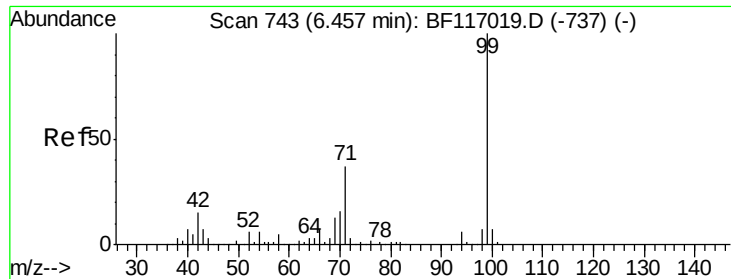
Abundance

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: 104.848 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

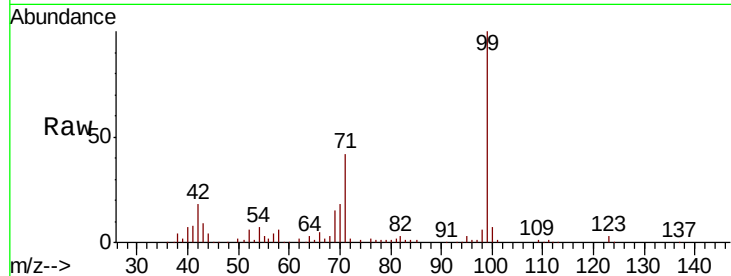
ClientSampled :

SB-3

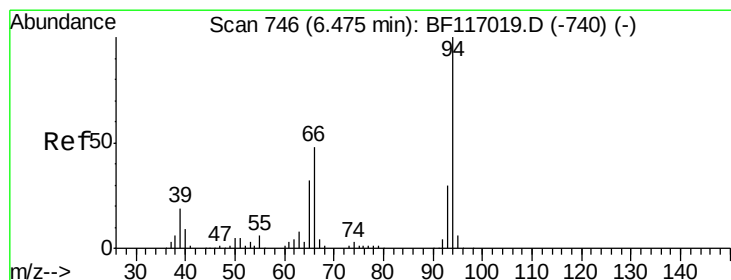
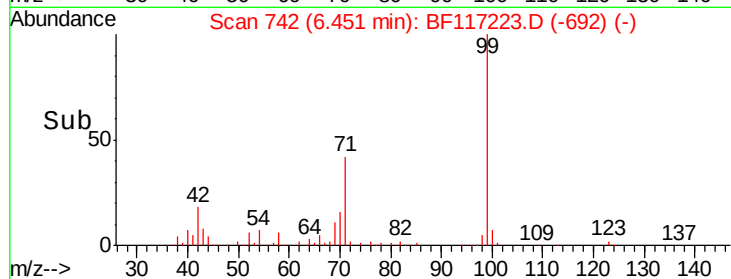
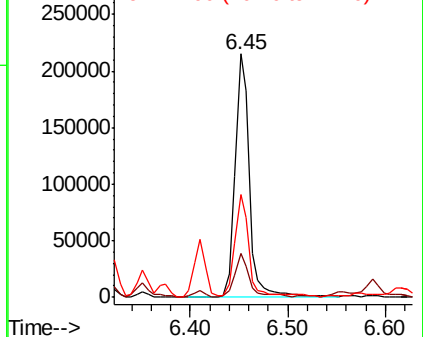
Tot Ion:	99	Resp:	220006
Ion Ratio	Lower	Upper	
99	100		
42	18.1	12.2	18.2
71	42.4	29.8	44.8

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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



#10

Phenol

Concen: 4.888 ng

RT: 6.46 min Scan# 744

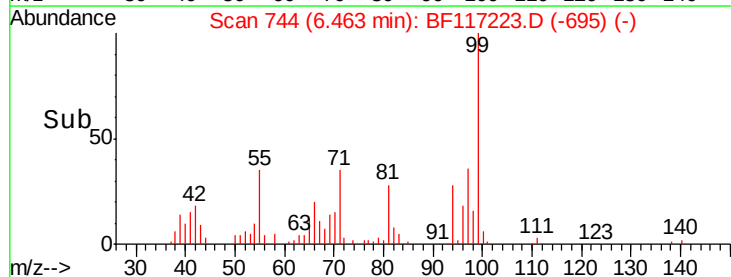
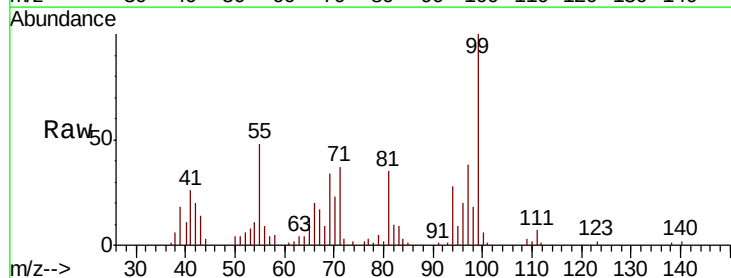
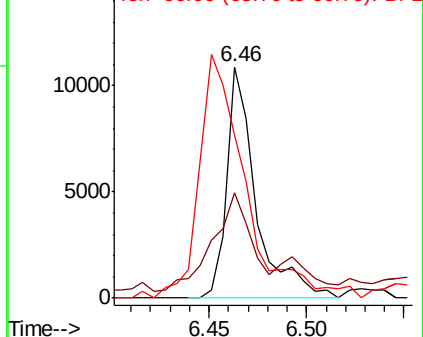
Delta R.T. -0.01 min

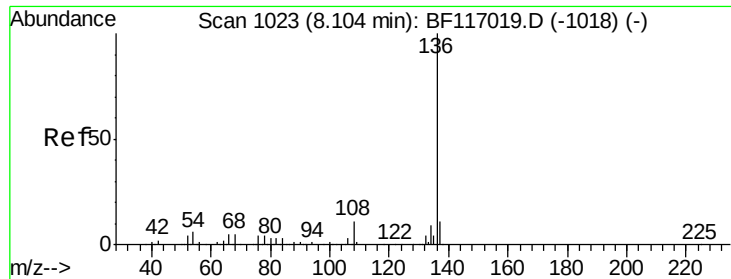
Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Tgt Ion:	94	Resp:	11307
Ion Ratio	Lower	Upper	
94	100		
65	45.9	12.5	52.5
66	70.7	28.9	68.9#

Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





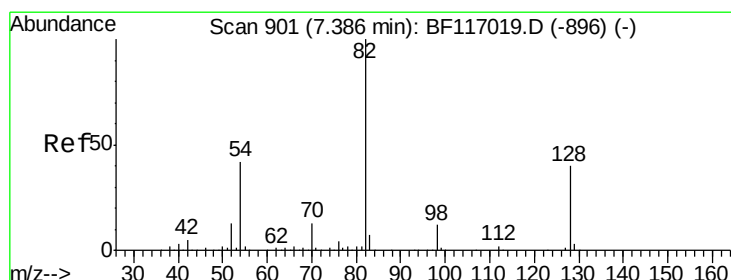
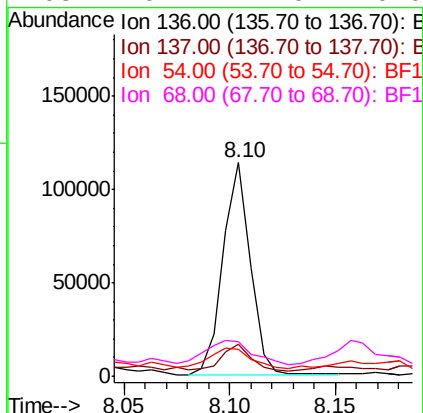
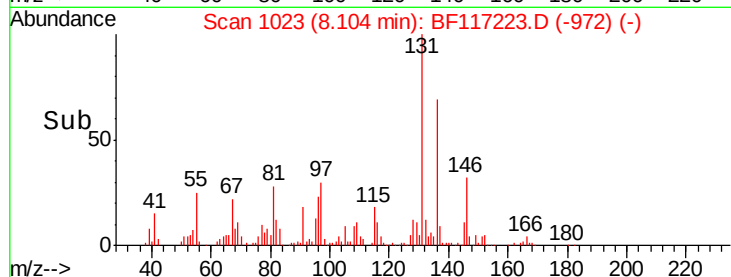
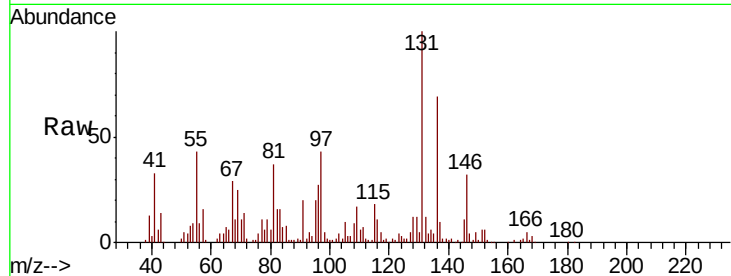
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampleId :
SB-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	14.9	9.0	13.4#	
54	12.6	4.5	6.7#	
68	16.4	4.0	6.0#	

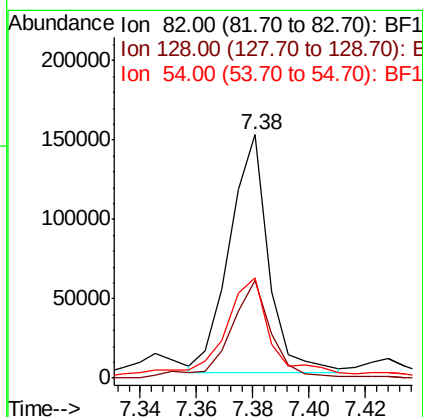
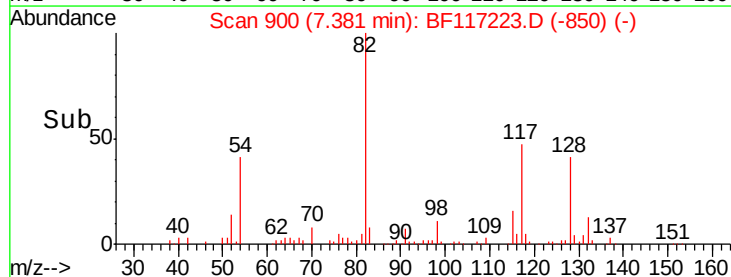
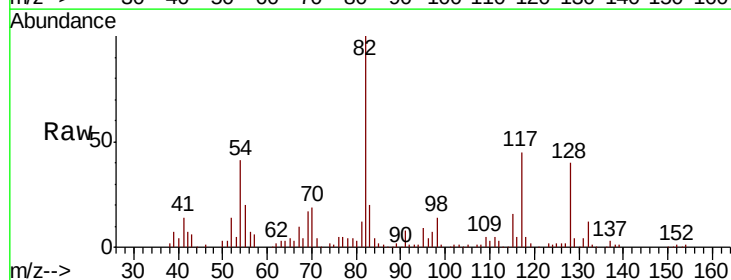
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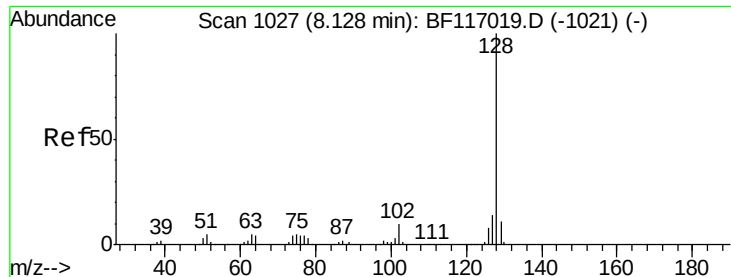
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#23
Nitrobenzene-d5
Concen: 74.236 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.9	32.3	48.5	
54	41.0	33.3	49.9	





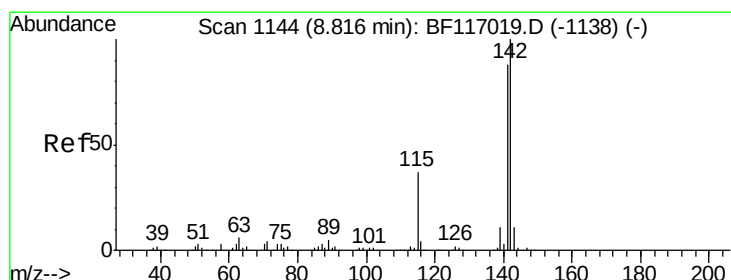
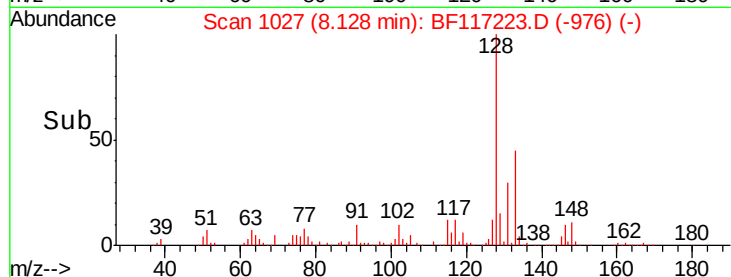
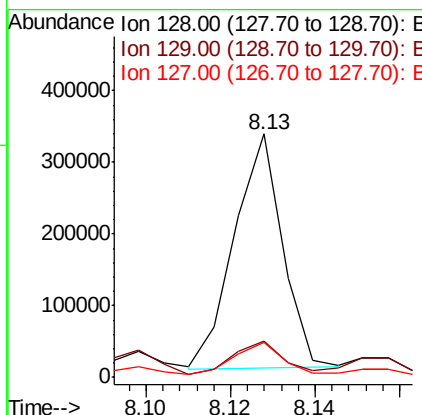
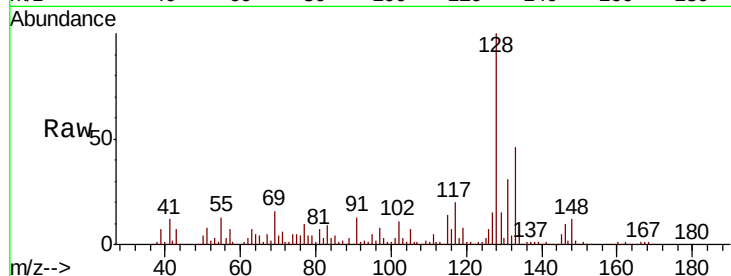
#31
Naphthalene
Concen: 52.973 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampled :
SB-3

Tot Ion	Ratio	Lower	Upper
128	100		
129	15.0	9.0	13.4#
127	14.6	10.8	16.2

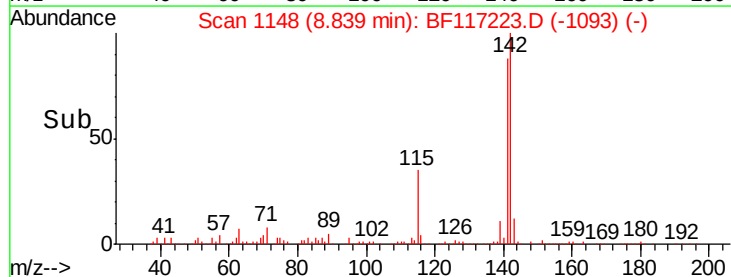
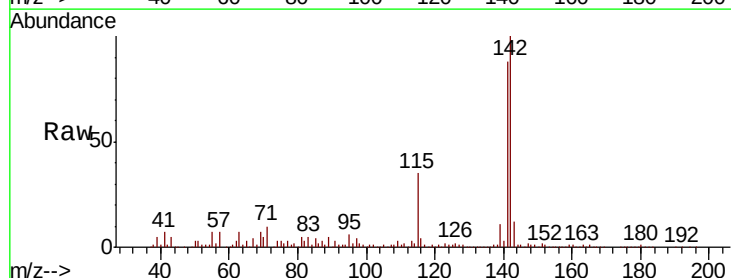
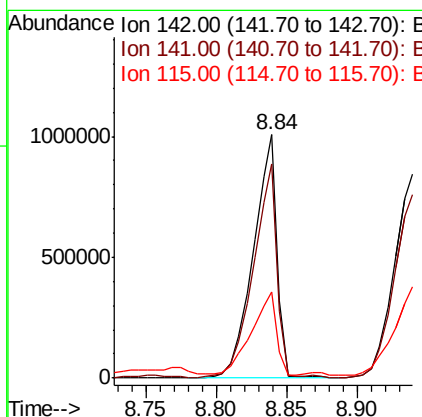
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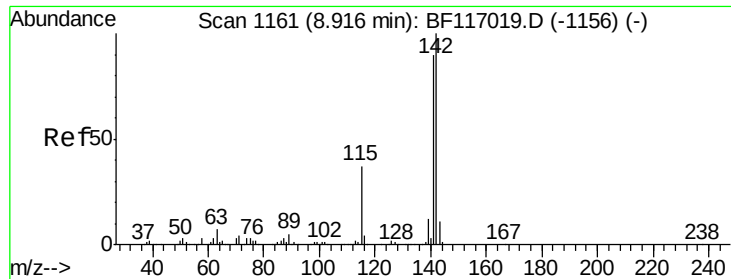
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#37
2-Methylnaphthalene
Concen: 357.737 ng
RT: 8.84 min Scan# 1148
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.7	106.1
115	35.3	29.4	44.0





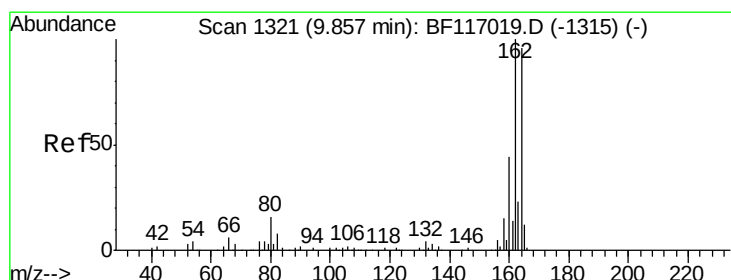
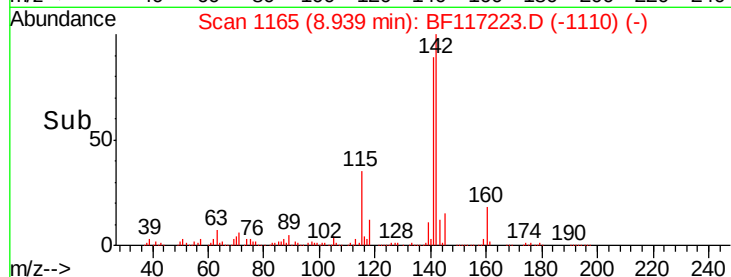
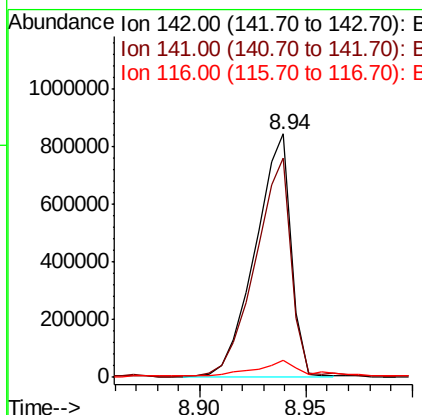
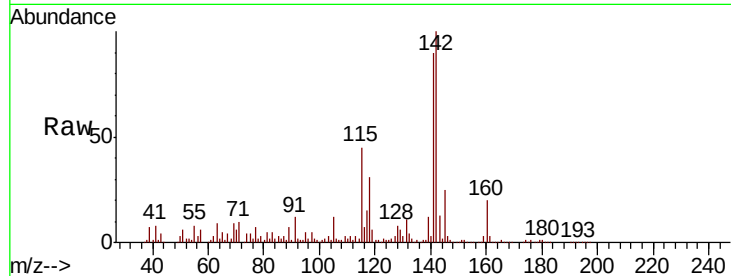
#38
1-Methylnaphthalene
Concen: 321.546 ng/ml
RT: 8.94 min Scan# 1165
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampled :
SB-3

Tot Ion	Ratio	Resp	Lower	Upper
142	100	996179		
141	90.2	71.9	107.9	
116	7.2	3.2	4.8#	

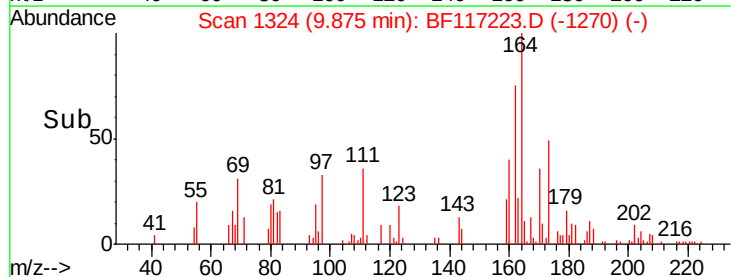
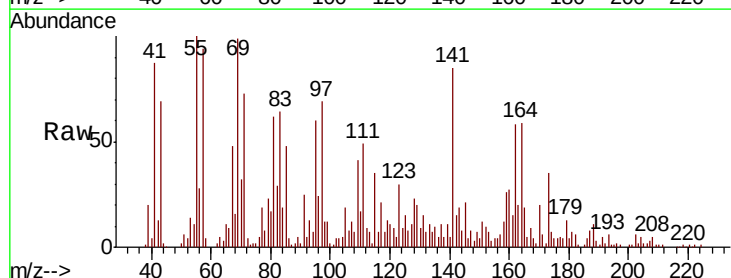
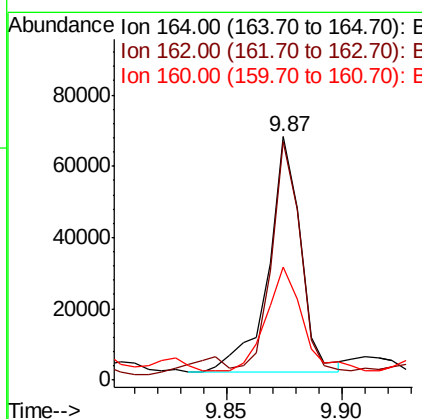
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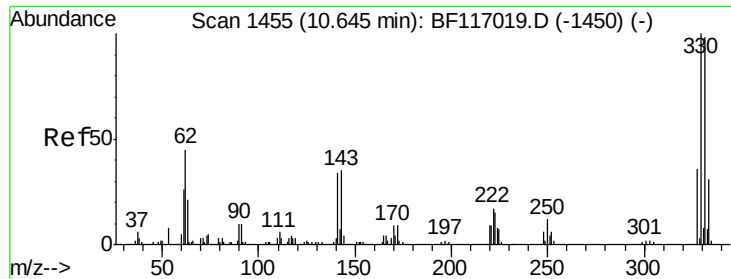
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	63999		
162	97.8	83.4	125.2	
160	46.5	36.4	54.6	





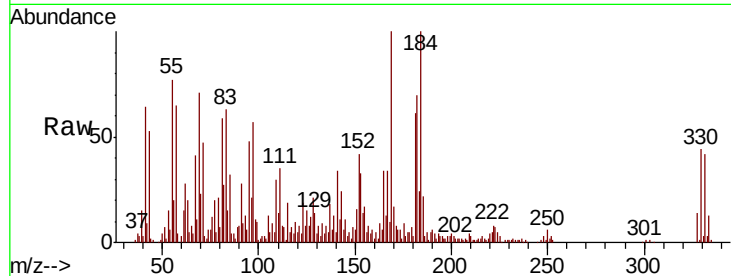
#42
 2,4,6-Tribromophenol
 Concen: 95.693 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.03 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

Instrument :
 BNA_F
 ClientSampled :
 SB-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	51185		
332	97.0		78.0	117.0
141	53.5		35.8	53.6

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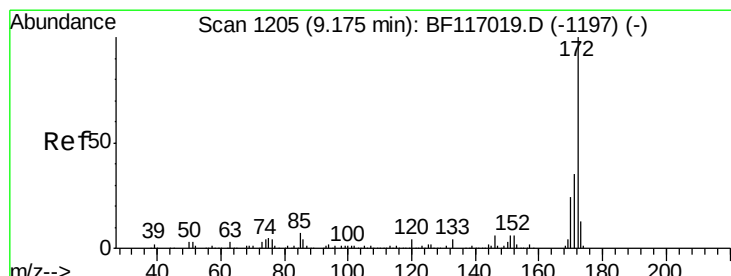
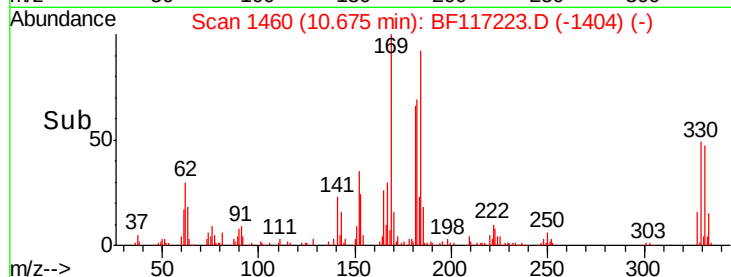
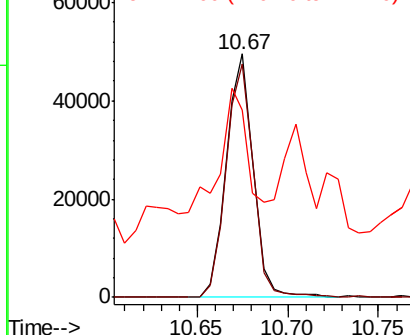


Abundance

Ion 329.80 (329.50 to 330.50): E

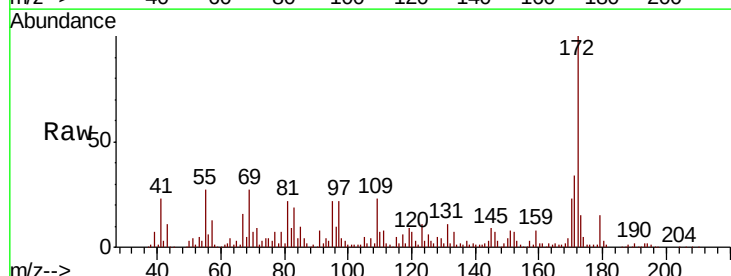
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 60.843 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	249037		
171	34.5		28.2	42.2
170	22.7		18.9	28.3

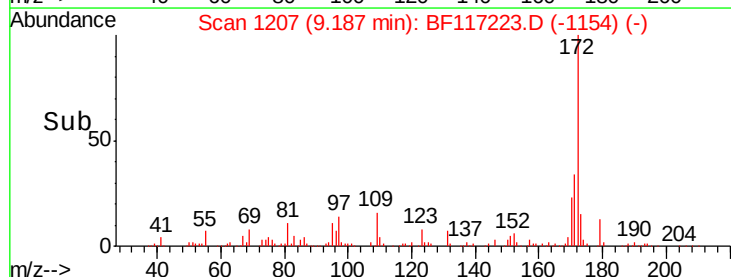
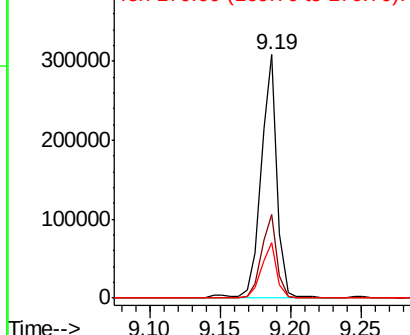


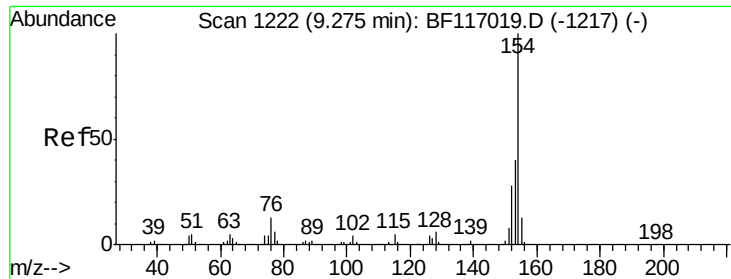
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





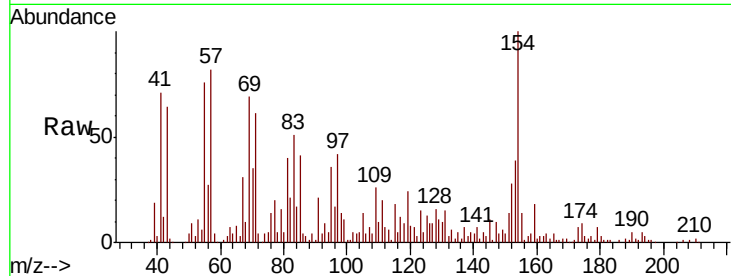
#46
1,1'-Biphenyl
Concen: 21.877 ng
RT: 9.29 min Scan# 1224
Delta R.T. 0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampleId :
SB-3

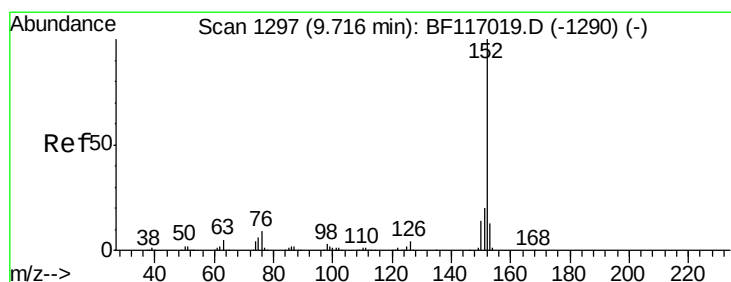
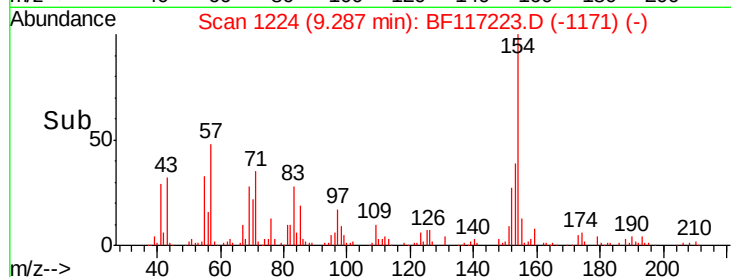
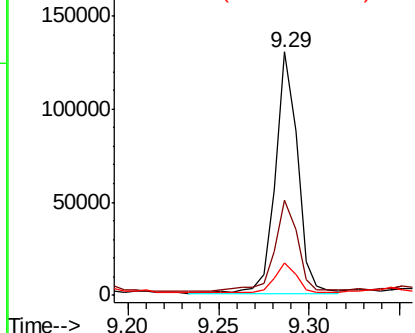
Tot Ion:	154	Resp:	109824
Ion Ratio	Lower	Upper	
154	100		
153	39.0	20.0	60.0
76	13.6	0.0	32.7

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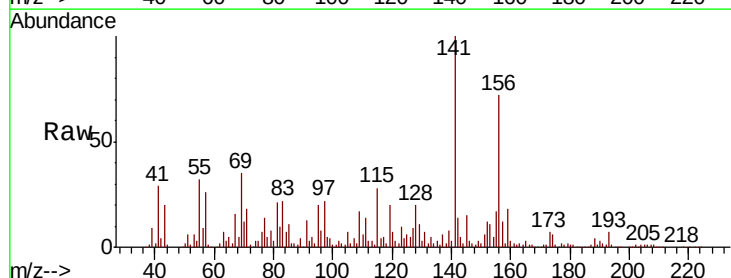


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

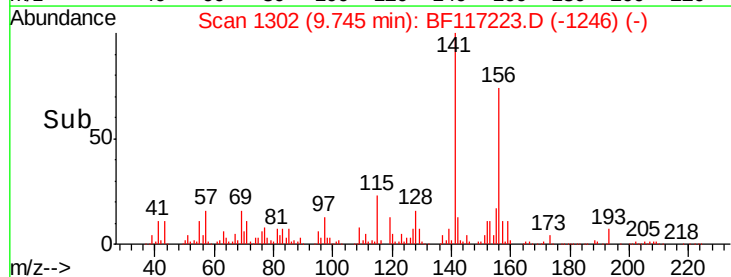
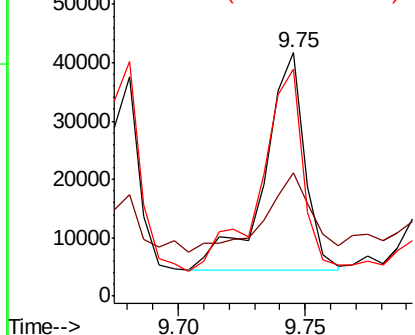


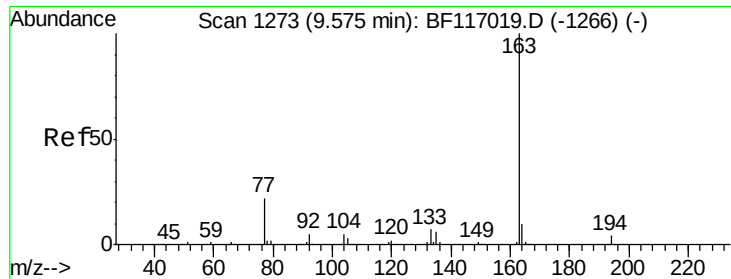
#49
Acenaphthylene
Concen: 7.048 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.03 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion:	152	Resp:	41833
Ion Ratio	Lower	Upper	
152	100		
151	50.6	16.2	24.2#
153	93.1	10.2	15.4#



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





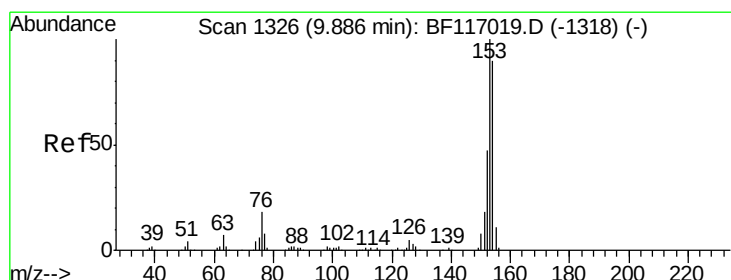
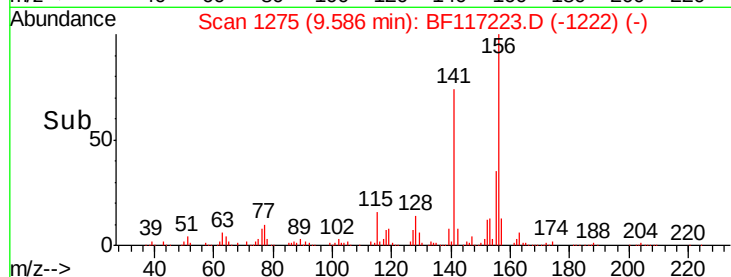
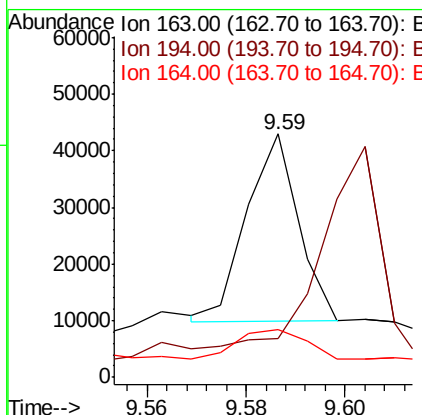
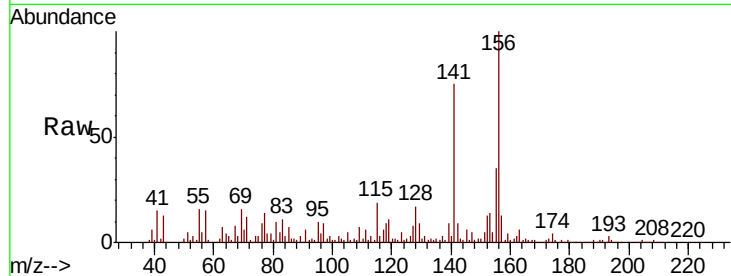
#50
Dimethylphthalate
Concen: 5.287 ng m
RT: 9.59 min Scan# 1275
Delta R.T. 0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampled :
SB-3

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	16.2	2.9	4.3#	
164	19.4	8.2	12.4#	

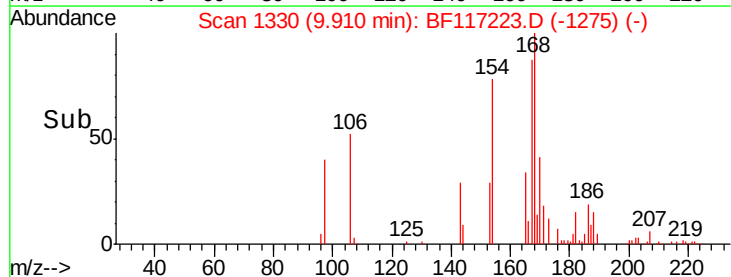
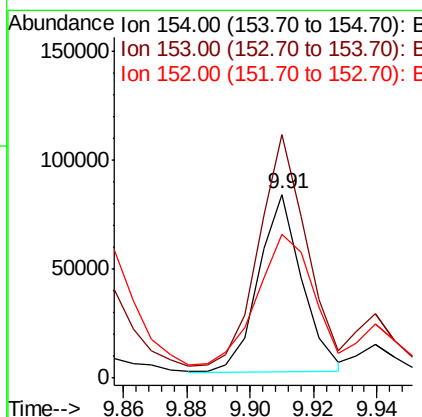
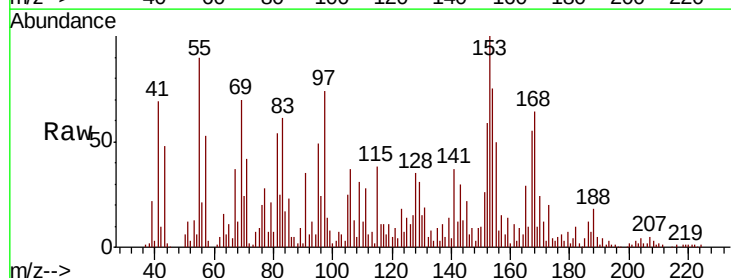
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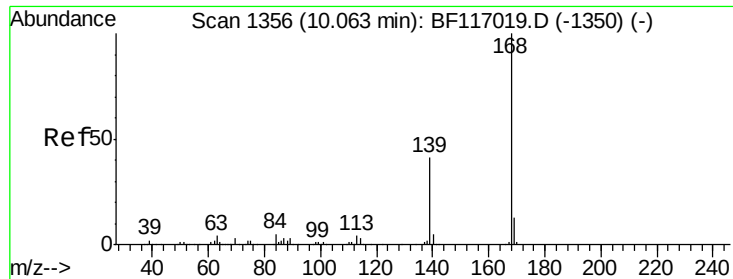
mohammad
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#52
Acenaphthene
Concen: 22.087 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	132.5	89.0	133.6	
152	78.6	41.9	62.9#	





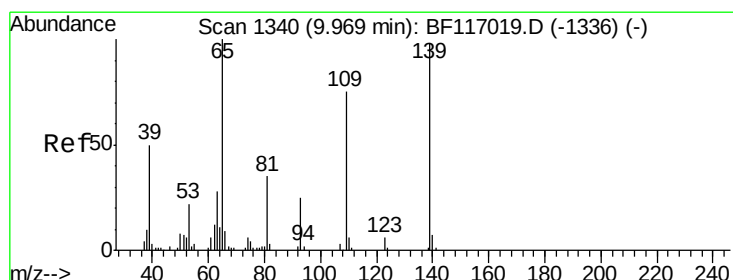
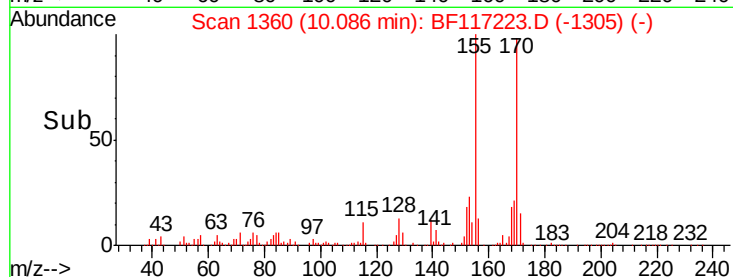
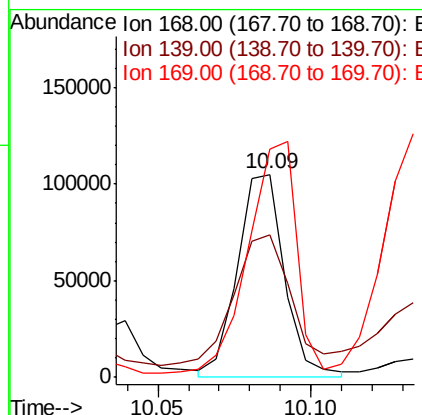
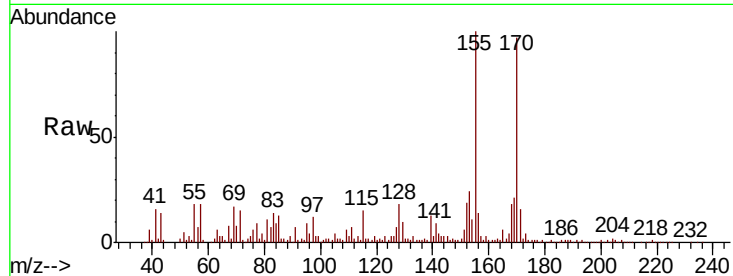
#55
Dibenzofuran
Concen: 21.788 ng/mL
RT: 10.09 min Scan# 1360
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampleId :
SB-3

Tot Ion	Ratio	Lower	Upper
168	100		
139	70.4	32.8	49.2#
169	112.6	10.5	15.7#

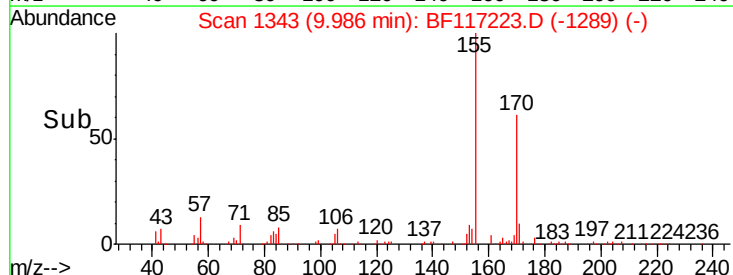
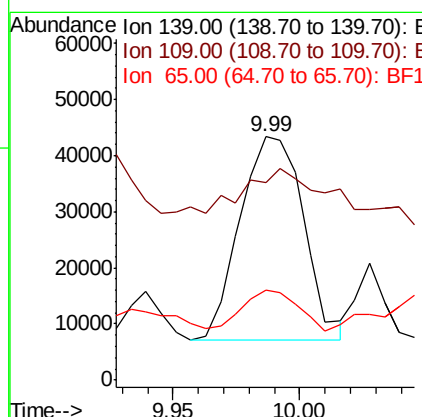
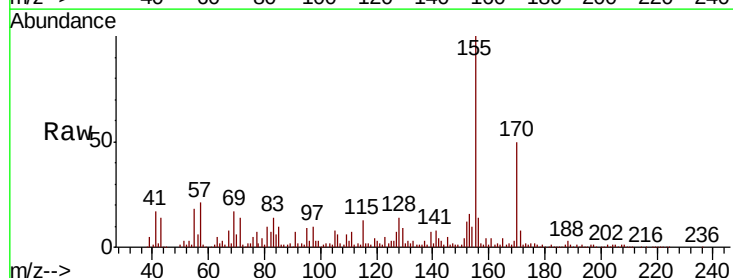
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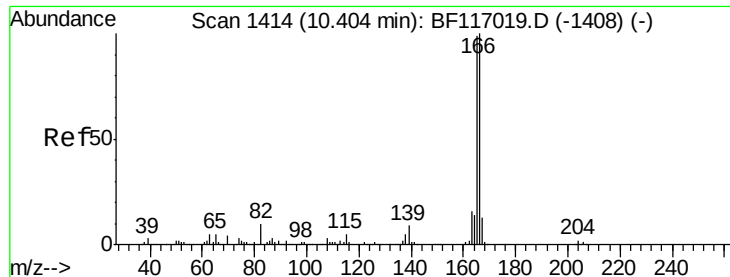
mohammad
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#56
4-Nitrophenol
Concen: 83.520 ng/mL
RT: 9.99 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	81.1	56.4	96.4
65	36.9	82.5	122.5#





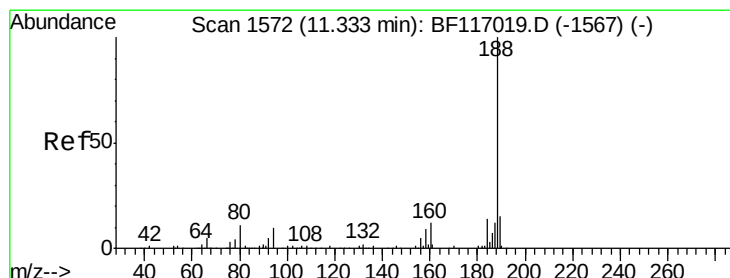
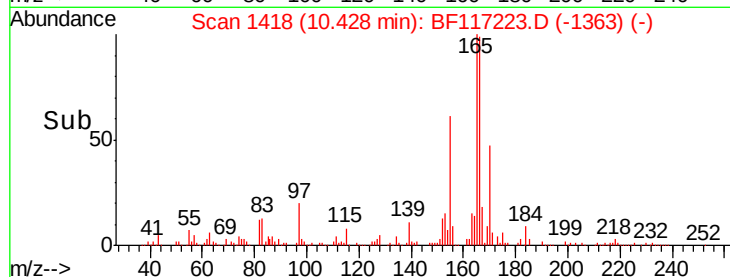
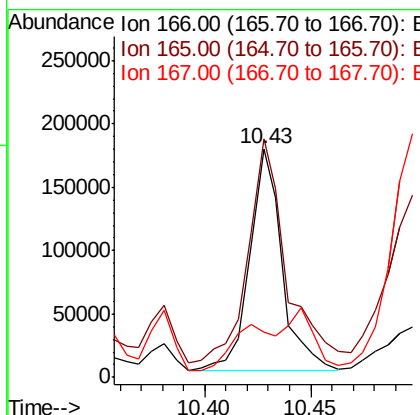
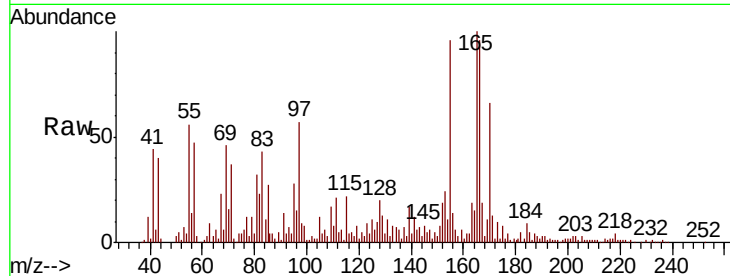
#58
 Fluorene
 Concen: 44.849 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

Instrument :
 BNA_F
 ClientSampled :
 SB-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.2	78.9	118.3
167	19.7	10.6	15.8

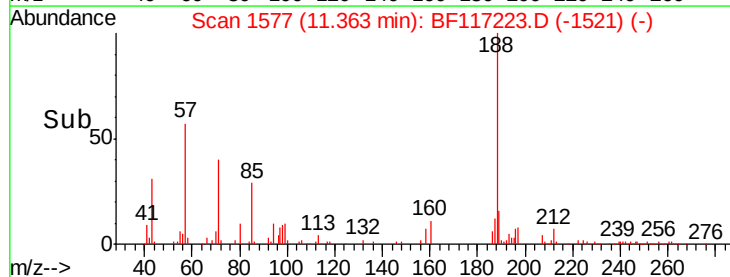
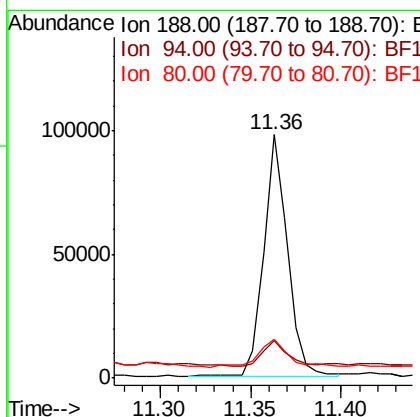
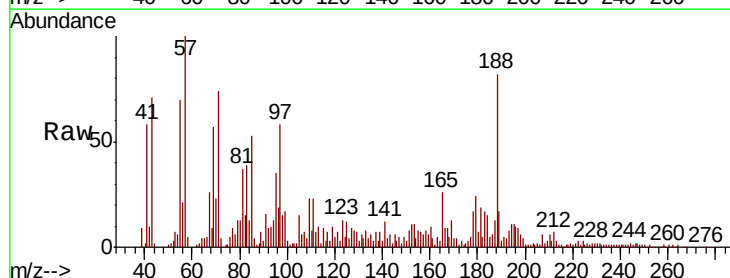
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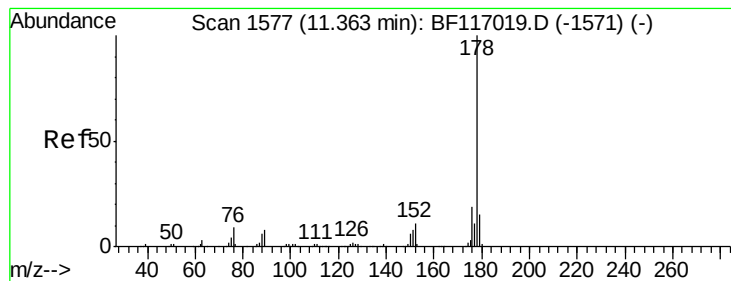
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.03 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.5	8.2	12.2
80	16.1	9.0	13.6





#71

Phenanthrene

Concen: 115.596 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.03 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

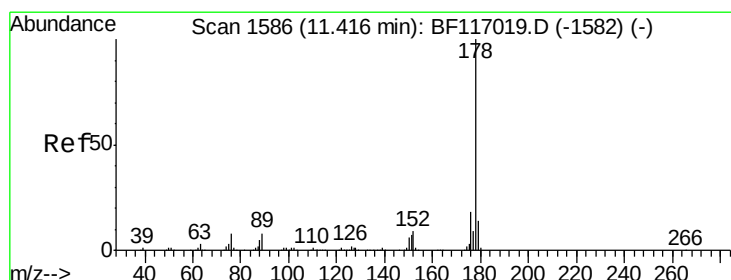
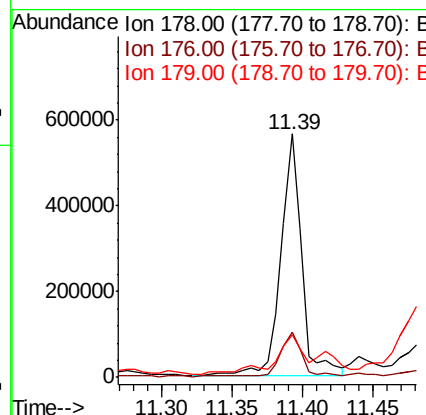
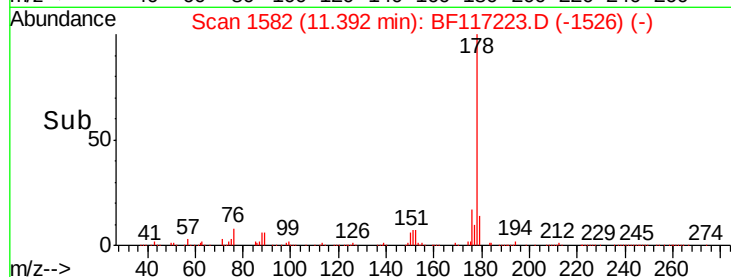
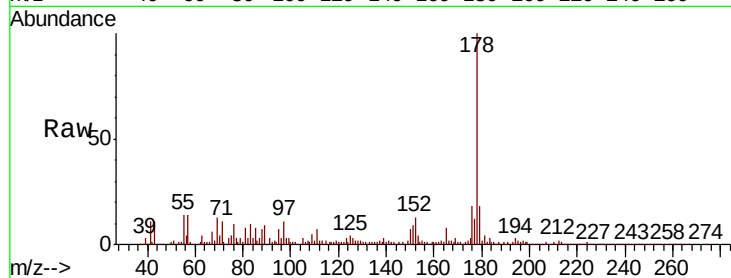
ClientSampled :

SB-3

Tot Ion:	178	Resp:	578164
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.2
179	17.7	12.4	18.6

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#72

Anthracene

Concen: 7.674 ng m

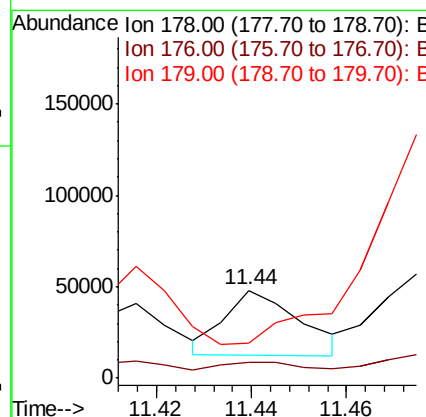
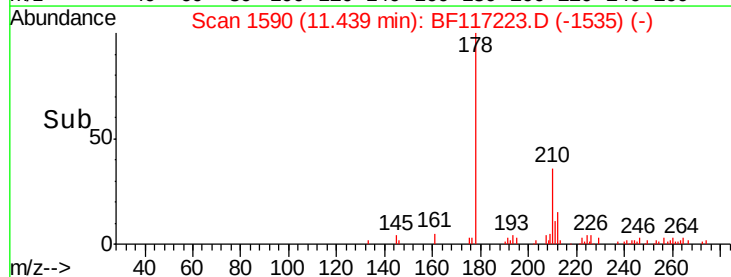
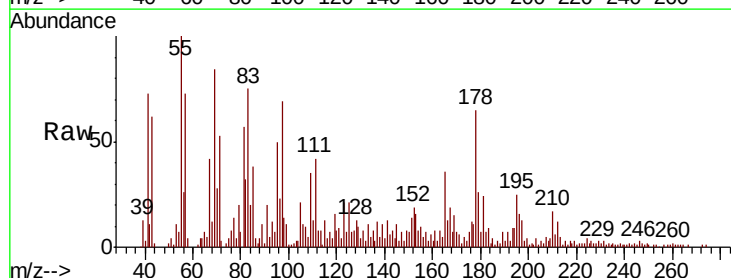
RT: 11.44 min Scan# 1590

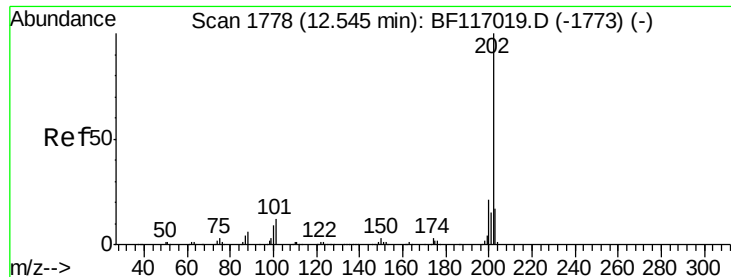
Delta R.T. 0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Tgt Ion:	178	Resp:	39183
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.6	21.8
179	39.6	11.6	17.4#





#75

Fluoranthene

Concen: 2.771 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

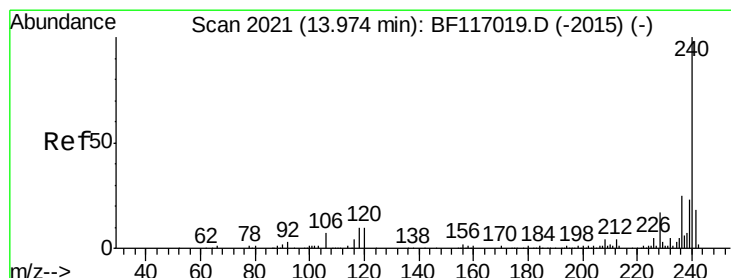
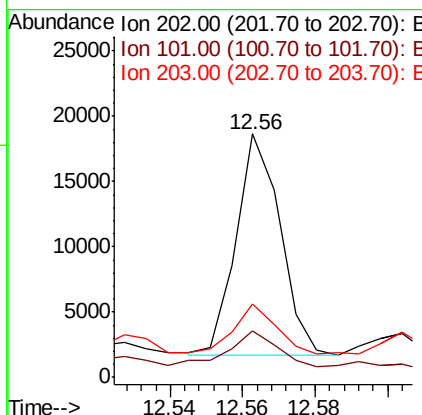
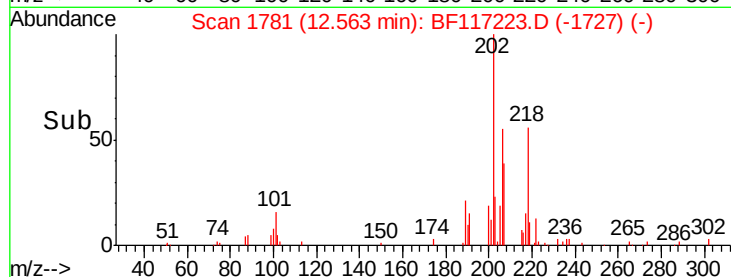
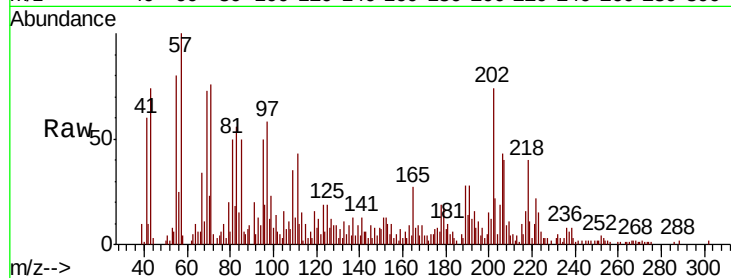
ClientSampled :

SB-3

Tot Ion:	202	Resp:	14240
Ion Ratio	Lower	Upper	
202	100		
101	19.3	0.0	32.3
203	30.0	0.0	37.1

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#76

Chrysene-d12

Concen: 20.000 ng

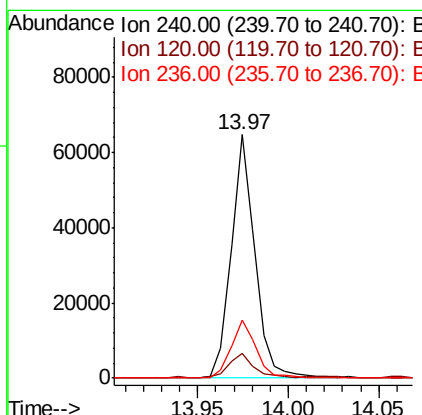
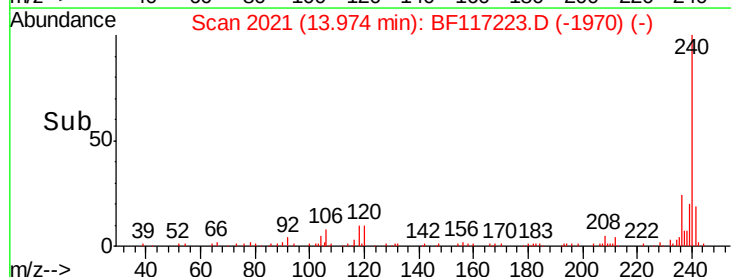
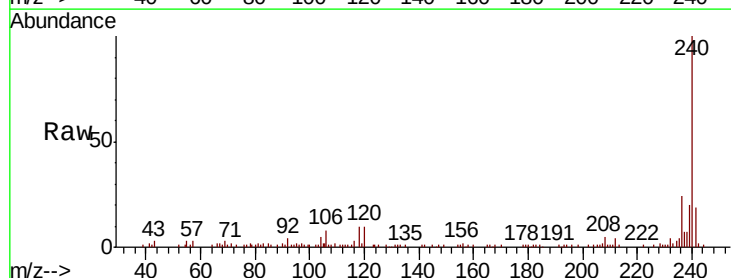
RT: 13.97 min Scan# 2021

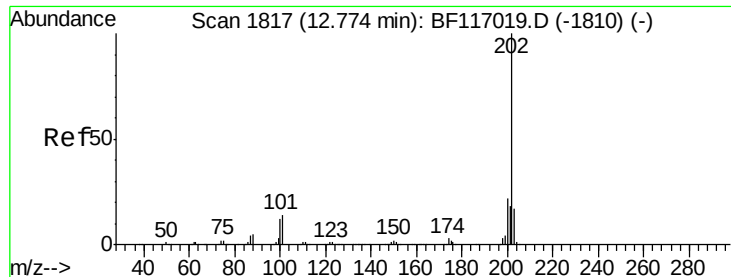
Delta R.T. 0.00 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Tgt Ion:	240	Resp:	59286
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.3	12.5
236	23.8	20.3	30.5





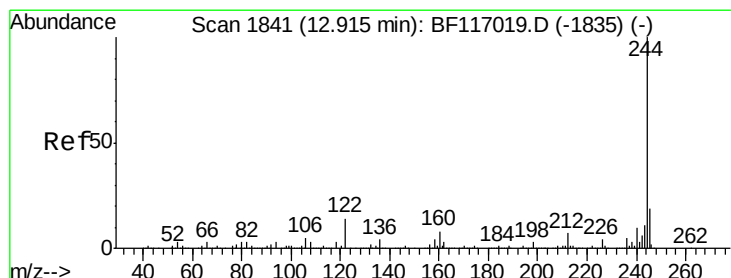
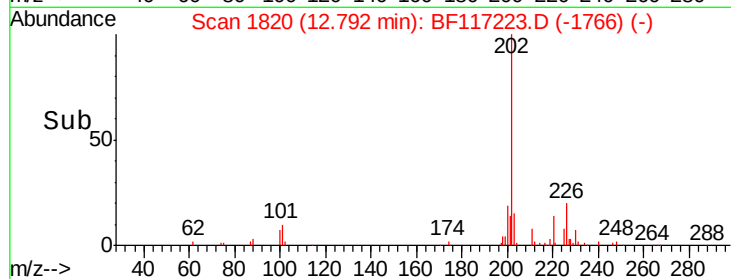
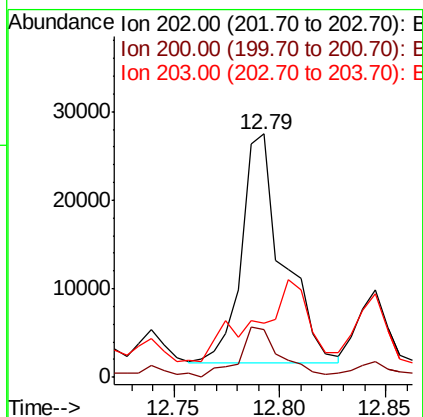
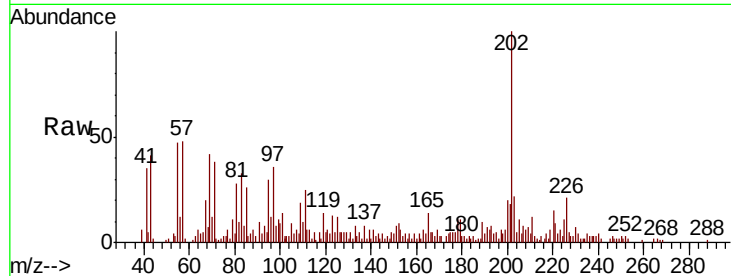
#78
Pvrene
Concen: 7.150 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampled :
SB-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.7	17.2	25.8
203	22.4	14.0	21.0

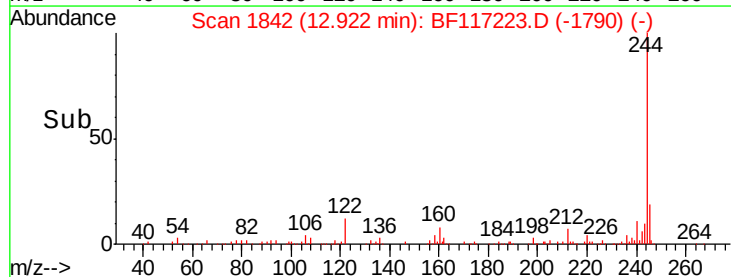
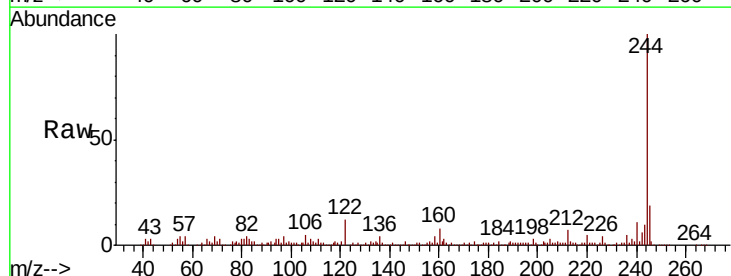
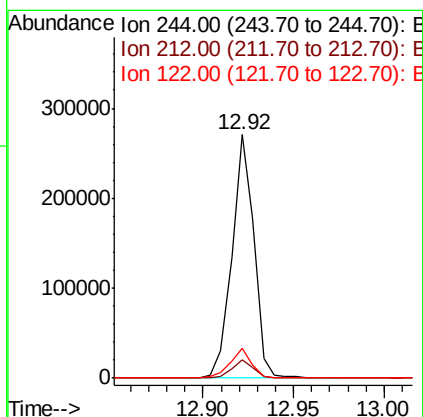
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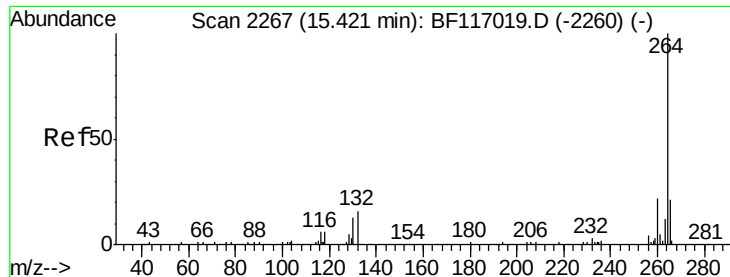
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#79
Terphenyl-d14
Concen: 72.053 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.8	8.8
122	12.4	11.3	16.9





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampleId :
SB-3

Tot Ion:	264	Resp:	68027
Ion Ratio	Lower	Upper	
264	100		
260	23.1	17.6	26.4
265	21.8	16.6	24.8

Manual Integrations
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