

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
 Data File : BF113054.D
 Acq On : 14 Mar 2019 17:18
 Operator : JU/SJ
 Sample : K1899-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Manual Integrations
 APPROVED

Sohil
 3/15/2019 10:03:30 AM

Quant Time: Mar 15 07:35:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	145750	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	497542m	20.00	ng	0.04
39) Acenaphthene-d10	9.79	164	243151	20.00	ng	0.02
64) Phenanthrene-d10	11.26	188	502905	20.00	ng	0.01
76) Chrysene-d12	13.88	240	564017	20.00	ng	0.01
87) Perylene-d12	15.29	264	545745	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	411011m	43.87	ng	0.15
7) Phenol-d6	6.51	99	392700m	33.36	ng	0.14
23) Nitrobenzene-d5	7.32	82	1016050	122.20	ng	0.02
42) 2,4,6-Tribromophenol	10.58	330	376209	145.74	ng	0.03
45) 2-Fluorobiphenyl	9.12	172	1139701	75.37	ng	0.03
79) Terphenyl-d14	12.83	244	1972601	67.80	ng	0.01
Target Compounds						
3) Pyridine	3.15	79	50591	4.026	ng	96
6) Aniline	6.41	93	602299	37.176	ng	97
10) Phenol	6.53	94	397701	28.956	ng	86
20) 3+4-Methylphenols	7.20	107	1070990	112.111	ng	# 34
27) 2,4-Dimethylphenol	7.81	122	2048774	285.863	ng	95
31) Naphthalene	8.11	128	24482608m	991.126	ng	
37) 2-Methylnaphthalene	8.79	142	6080963m	381.200	ng	
38) 1-Methylnaphthalene	8.87	142	5228332m	338.346	ng	
46) 1,1'-Biphenyl	9.22	154	1399692	70.575	ng	99
49) Acenaphthylene	9.65	152	122717	4.668	ng	# 79
52) Acenaphthene	9.82	154	1452618	94.484	ng	98
55) Dibenzofuran	9.99	168	1517641	67.919	ng	99
58) Fluorene	10.33	166	1014866	63.992	ng	99
71) Phenanthrene	11.28	178	664215	26.546	ng	99
72) Anthracene	11.33	178	276685m	10.564	ng	
73) Carbazole	11.50	167	585610	22.920	ng	# 93
75) Fluoranthene	12.46	202	80395	2.999	ng	96

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

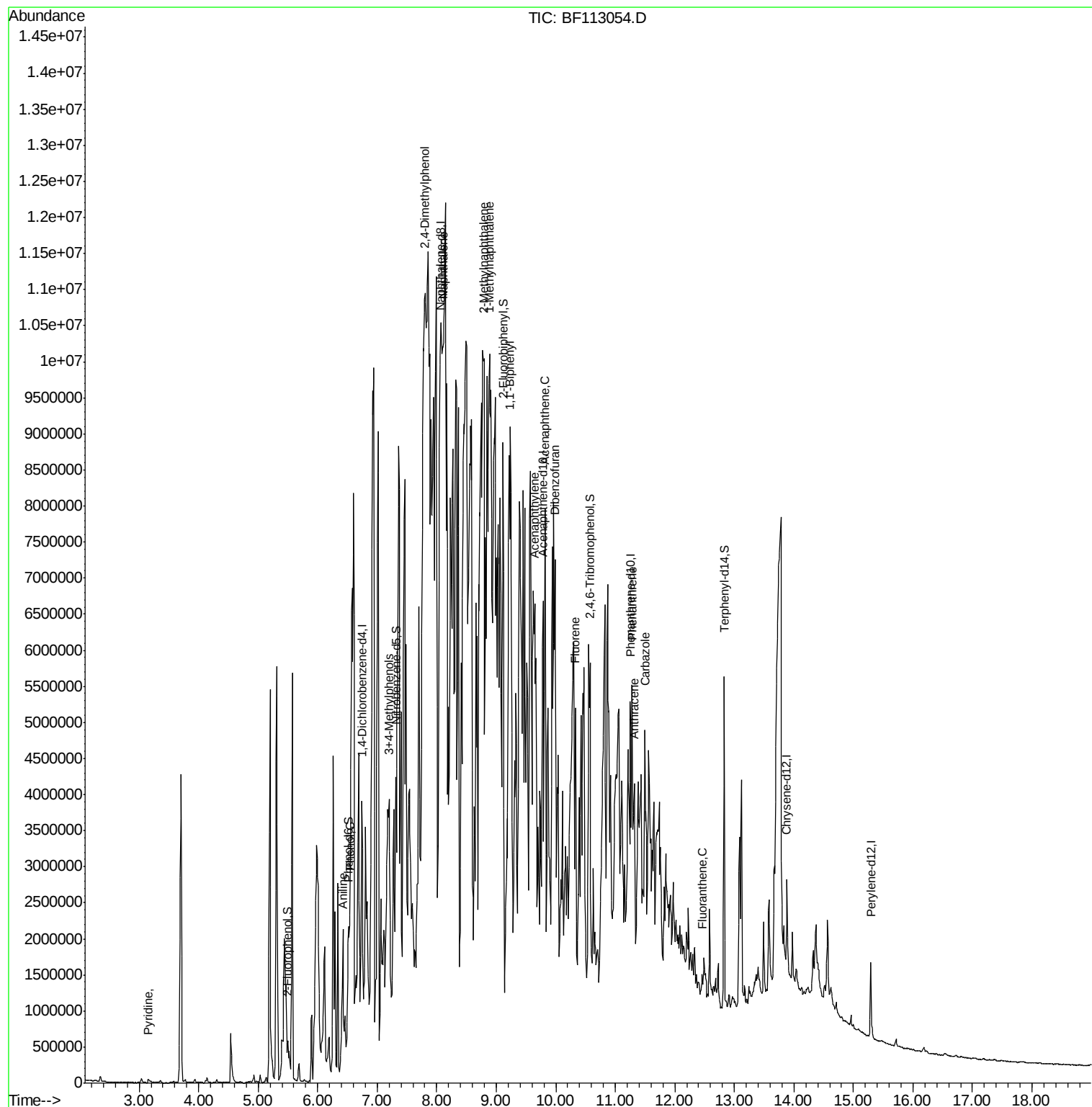
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
Data File : BF113054.D
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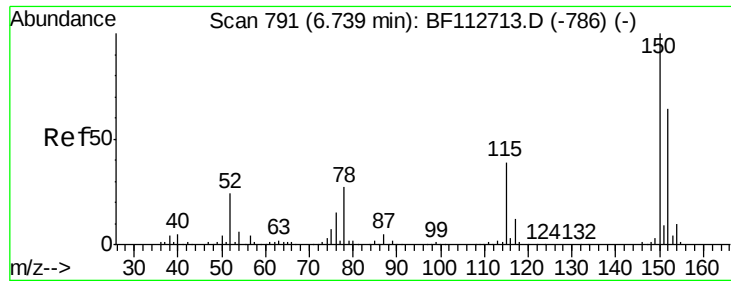
Instrument :
BNA_F
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MW-1A

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#1

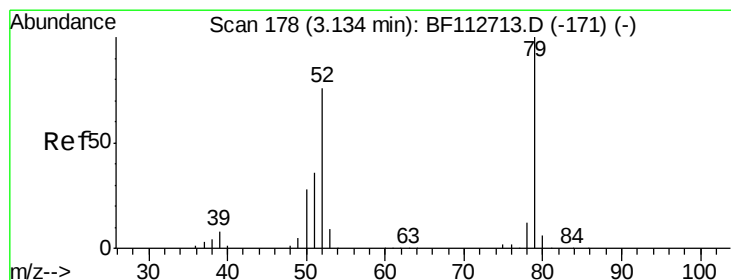
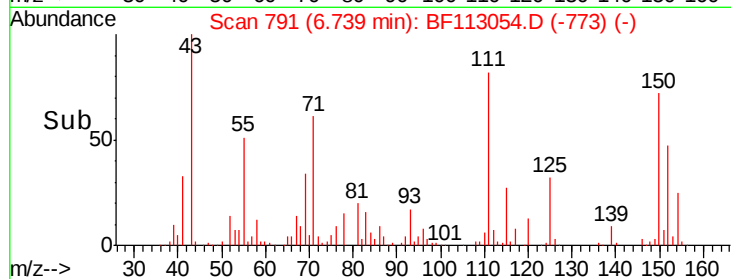
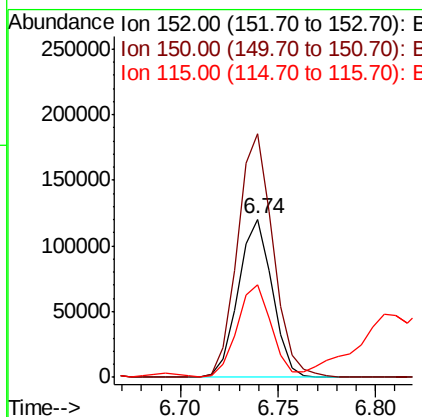
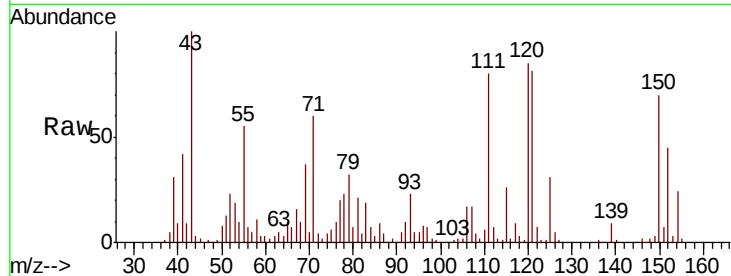
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Instrument :
BNA_F
ClientSampled :
MW-1A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.2	186.2
115	58.2	48.2	72.4

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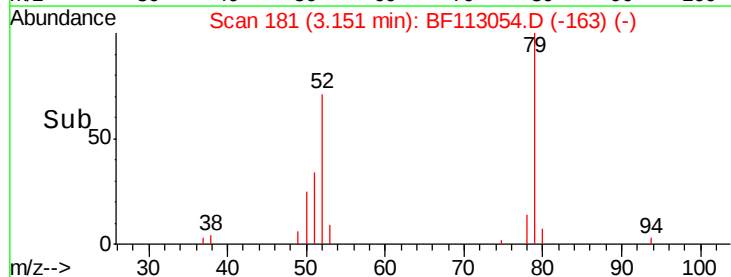
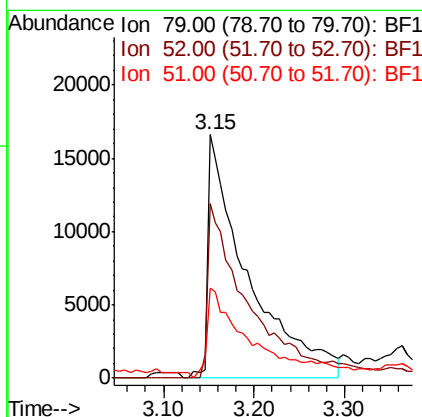
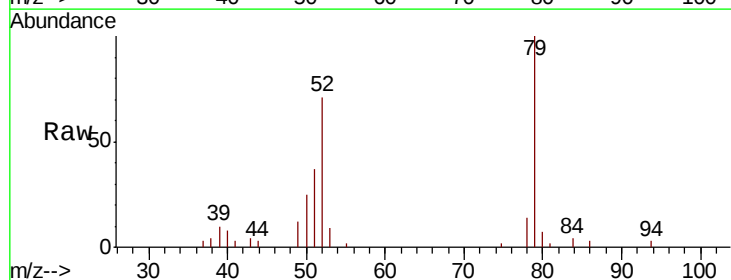
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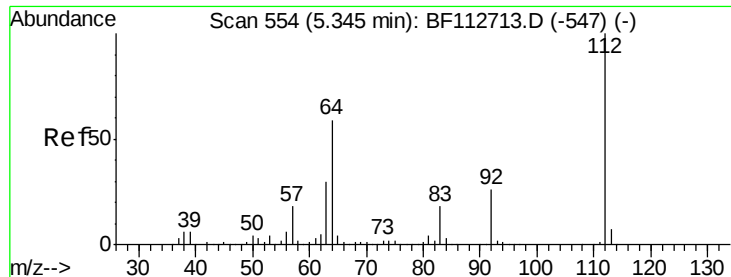


#3

Pyridine
Concen: 4.026 ng
RT: 3.15 min Scan# 181
Delta R.T. 0.01 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Tgt Ion	Ratio	Lower	Upper
79	100		
52	71.4	60.5	90.7
51	37.0	28.8	43.2





#5

2-Fluorophenol

Concen: 43.866 ng/mL

RT: 5.50 min Scan# 580

Delta R.T. 0.15 min

Lab File: BF113054.D

Acq: 14 Mar 2019 17:18

Instrument :

BNA_F

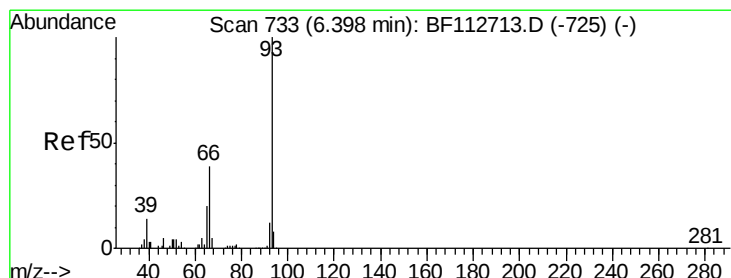
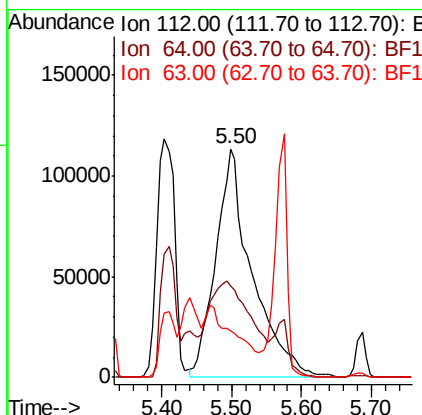
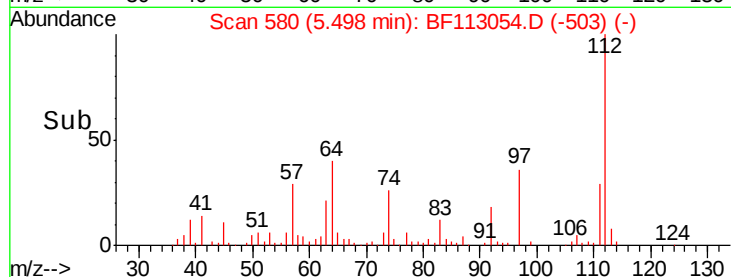
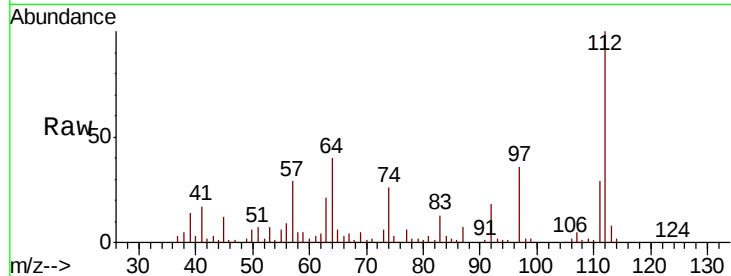
ClientSampleId :

MW-1A

Tot Ion:	112	Resp:	411011
Ion Ratio	Lower	Upper	
112	100		
64	39.7	47.6	71.4#
63	20.6	24.4	36.6#

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#6

Aniline

Concen: 37.176 ng/mL

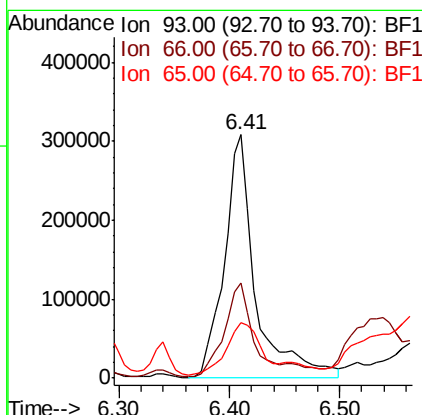
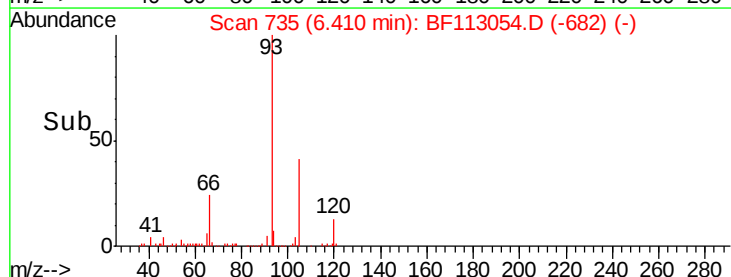
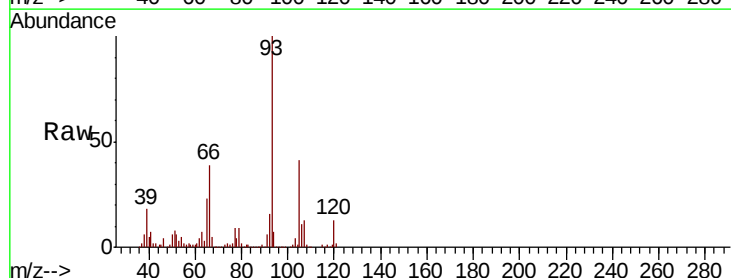
RT: 6.41 min Scan# 735

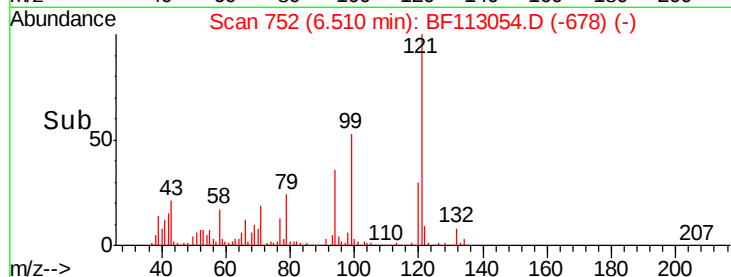
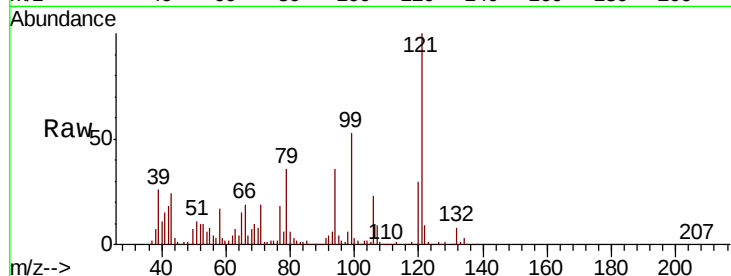
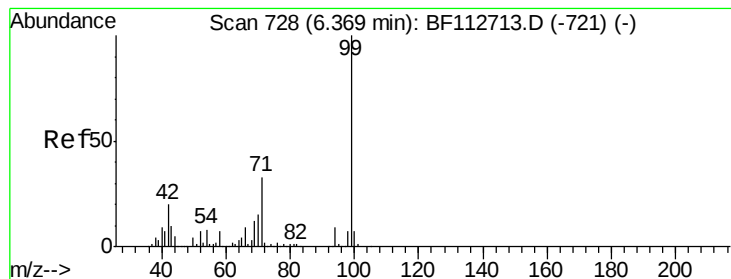
Delta R.T. 0.01 min

Lab File: BF113054.D

Acq: 14 Mar 2019 17:18

Tgt Ion:	93	Resp:	602299
Ion Ratio	Lower	Upper	
93	100		
66	38.9	32.2	48.2
65	22.9	16.2	24.4





#7

Phenol-d6

Concen: 33.365 ng/mL

RT: 6.51 min Scan# 752

Delta R.T. 0.14 min

Lab File: BF113054.D

Acq: 14 Mar 2019 17:18

Tot Ion:	99	Resp:	392700
Ion Ratio	Lower	Upper	
99	100		
42	34.9	16.3	24.5#
71	35.9	26.2	39.4

Instrument :

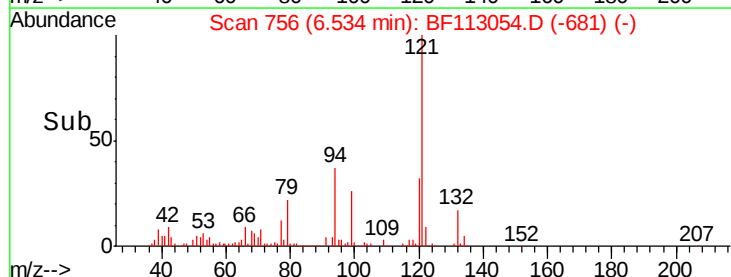
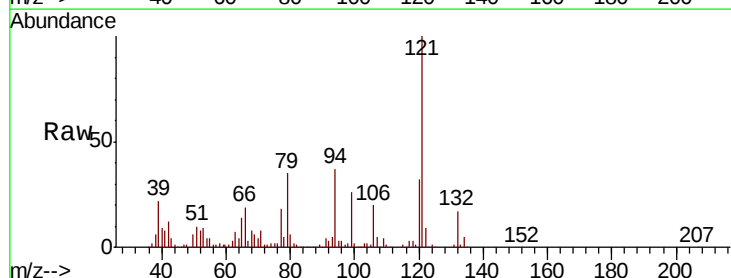
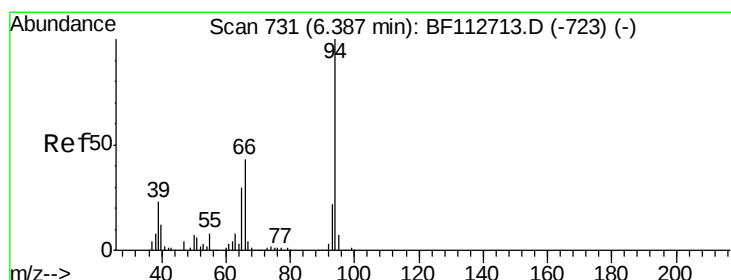
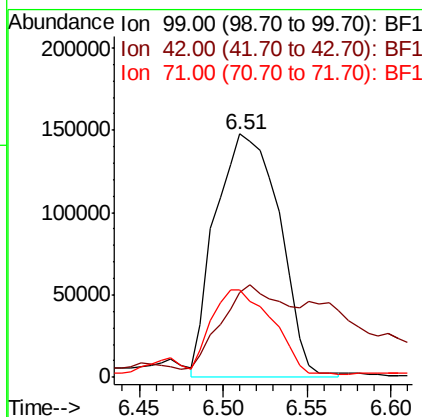
BNA_F

ClientSampled :

MW-1A

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#10

Phenol

Concen: 28.956 ng/mL

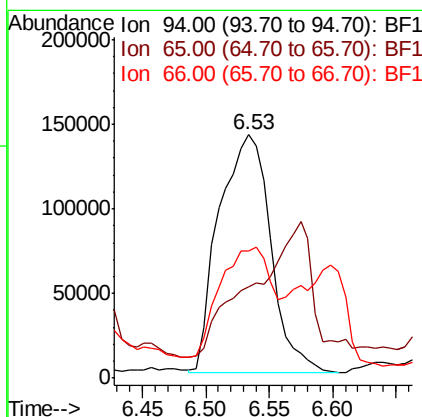
RT: 6.53 min Scan# 756

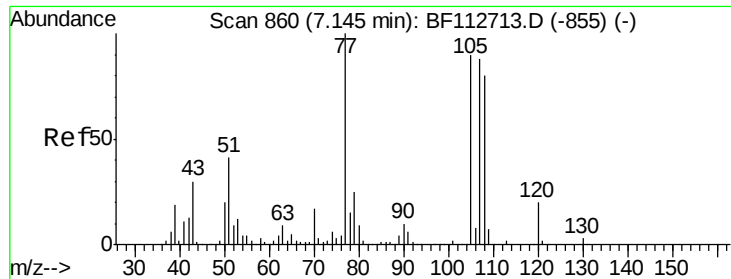
Delta R.T. 0.14 min

Lab File: BF113054.D

Acq: 14 Mar 2019 17:18

Tgt Ion:	94	Resp:	397701
Ion Ratio	Lower	Upper	
94	100		
65	37.5	10.5	50.5
66	52.3	22.6	62.6





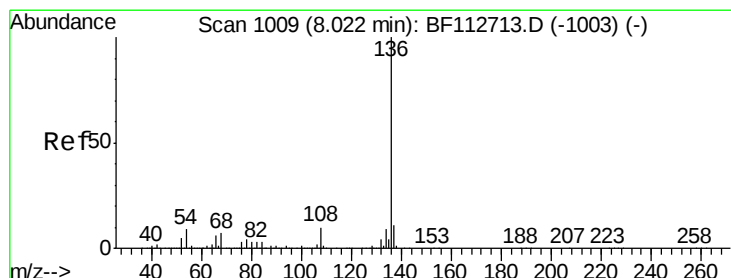
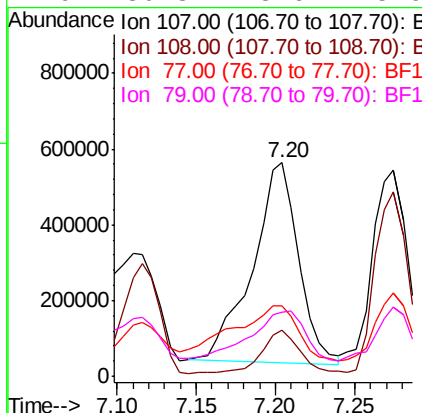
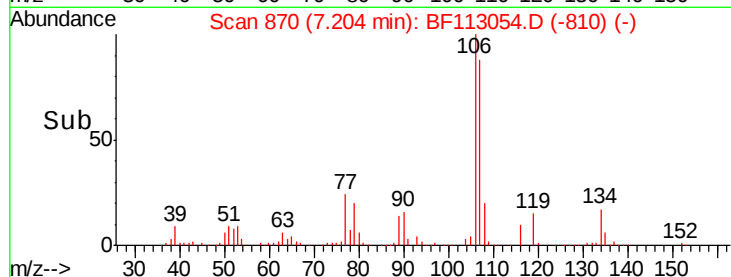
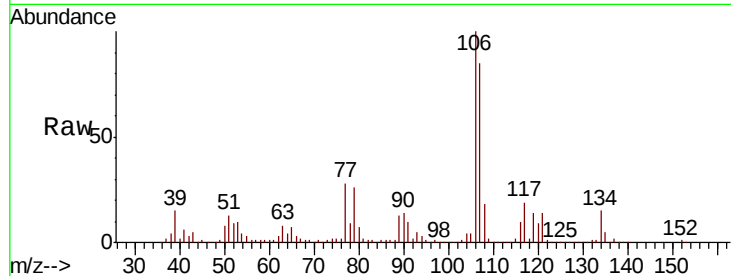
#20
3+4-Methylphenols
Concen: 112.111 ng
RT: 7.20 min Scan# 870
Delta R.T. 0.05 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Instrument :
BNA_F
ClientSampled :
MW-1A

Tot Ion	Ratio	Lower	Upper
107	100		
108	21.4	71.4	111.4#
77	32.7	94.1	134.1#
79	30.3	8.6	48.6

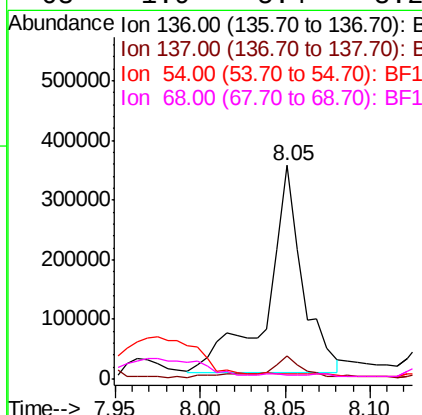
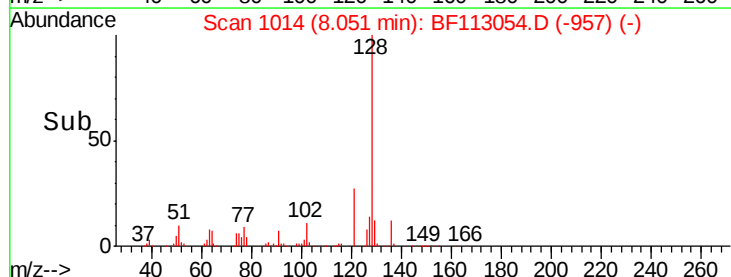
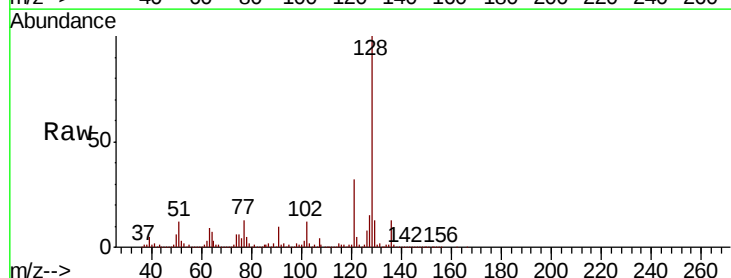
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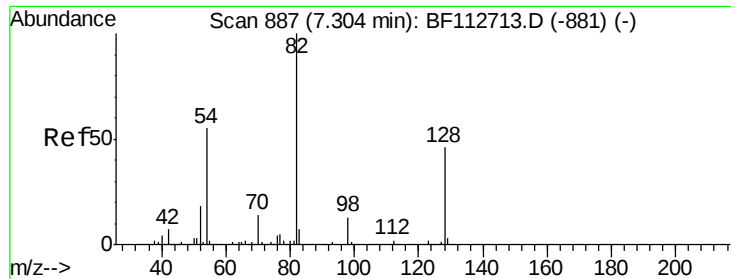
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#21
Naphthalene-d8
Concen: 20.000 ng m
RT: 8.05 min Scan# 1014
Delta R.T. 0.04 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	2.6	7.3	10.9#
68	1.9	5.4	8.2#





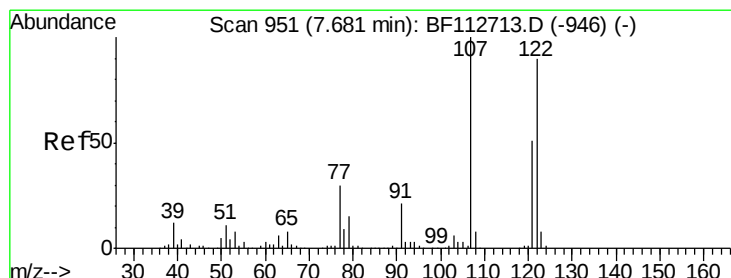
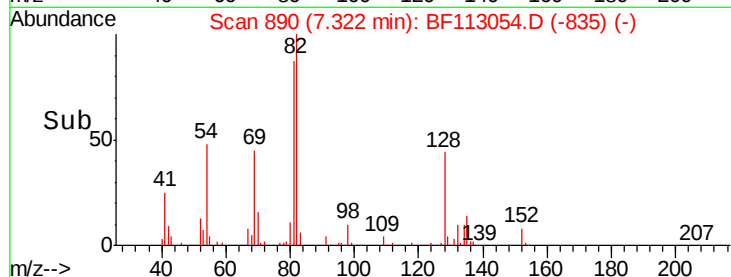
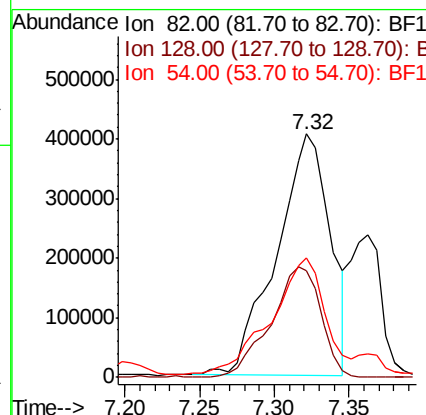
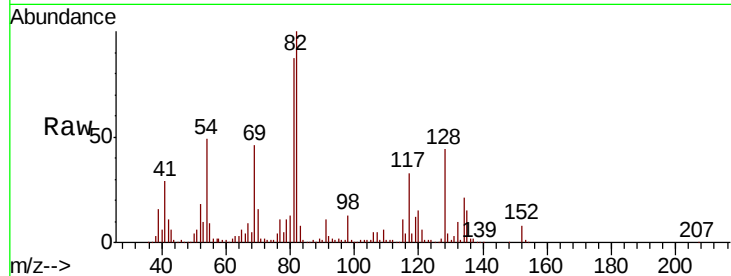
#23
Nitrobenzene-d5
Concen: 122.197 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.02 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Instrument :
BNA_F
ClientSampled :
MW-1A

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.3	54.5
54	49.0	43.7	65.5

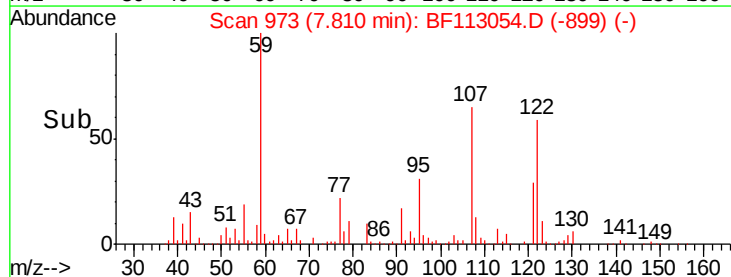
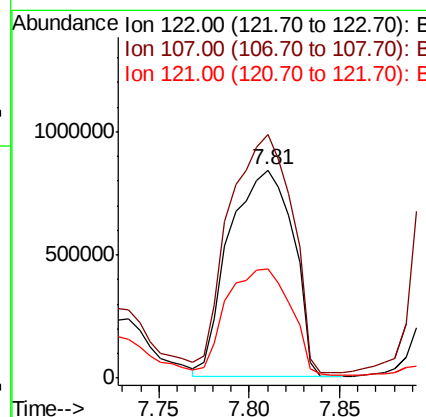
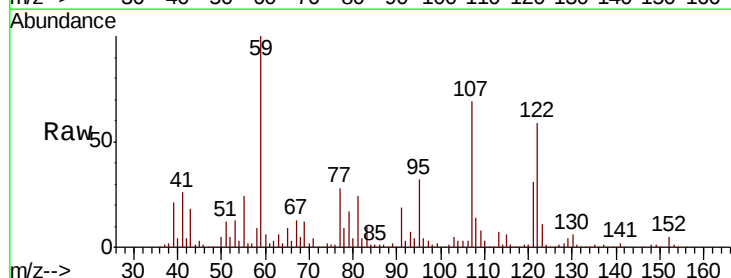
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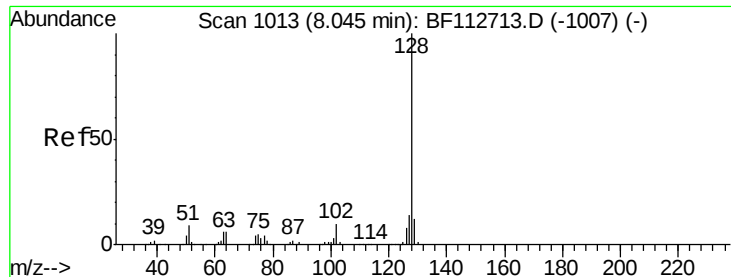
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#27
2,4-Dimethylphenol
Concen: 285.863 ng
RT: 7.81 min Scan# 973
Delta R.T. 0.14 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.0	89.4	134.0
121	52.7	45.5	68.3





#31

Naphthalene

Concen: 991.126 ng m

RT: 8.11 min Scan# 1024

Delta R.T. 0.07 min

Lab File: BF113054.D

Acq: 14 Mar 2019 17:18

Instrument :

BNA_F

ClientSampleId :

MW-1A

Tot Ion:128 Resp:24482608

Ion Ratio Lower Upper

128 100

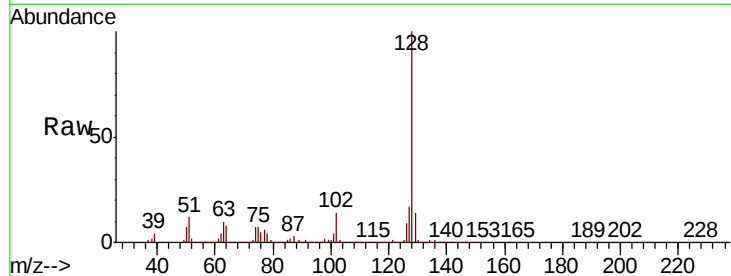
129 14.0 9.3 13.9#

127 16.9 10.9 16.3#

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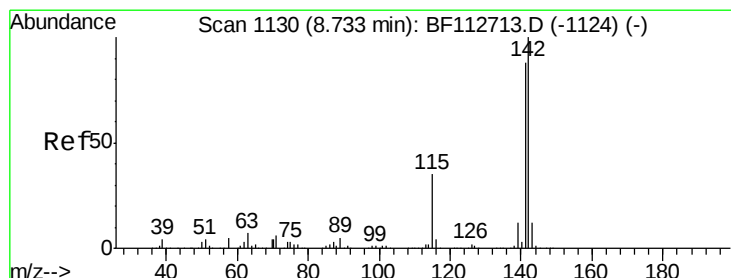
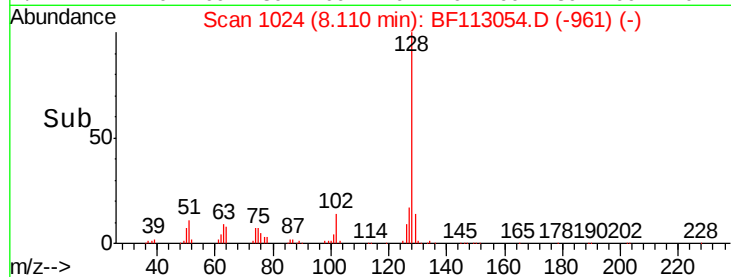
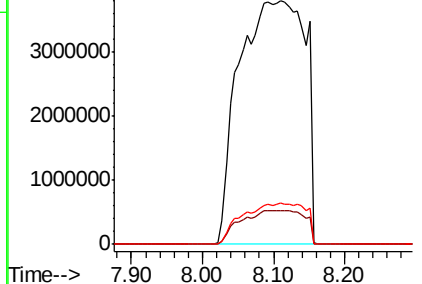
3/15/2019 10:03:30 AM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 381.200 ng m

RT: 8.79 min Scan# 1140

Delta R.T. 0.06 min

Lab File: BF113054.D

Acq: 14 Mar 2019 17:18

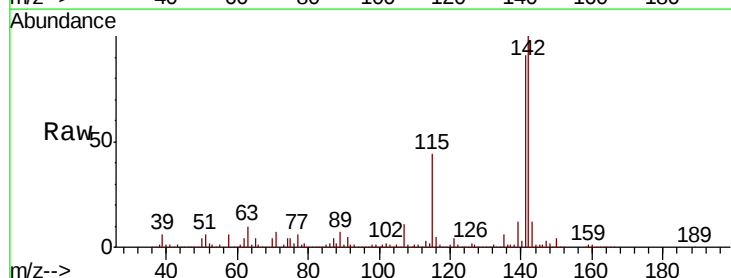
Tgt Ion:142 Resp: 6080963

Ion Ratio Lower Upper

142 100

141 90.7 70.3 105.5

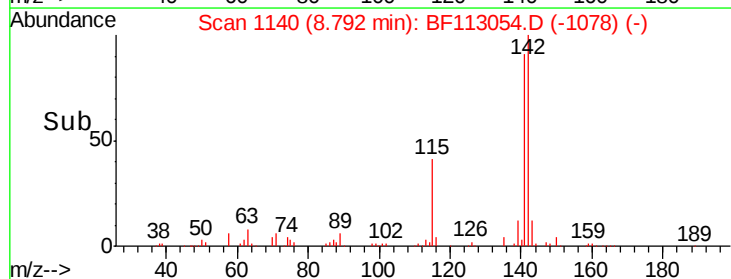
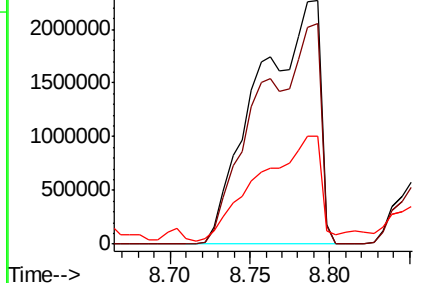
115 44.1 27.8 41.6#

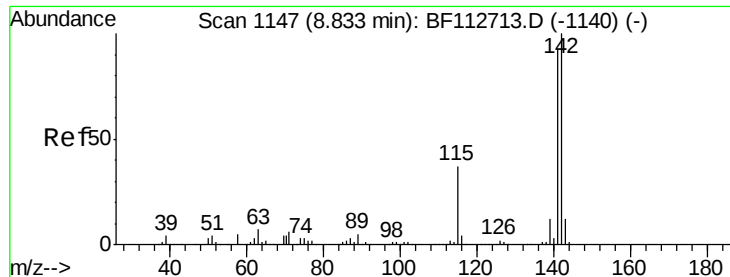


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





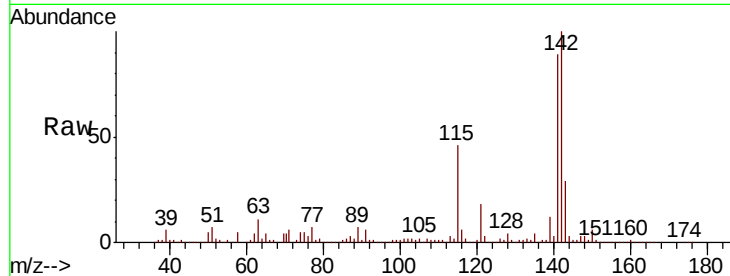
#38
1-Methylnaphthalene
Concen: 338.346 ng m
RT: 8.87 min Scan# 1154
Delta R.T. 0.05 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Instrument :
BNA_F
ClientSampled :
MW-1A

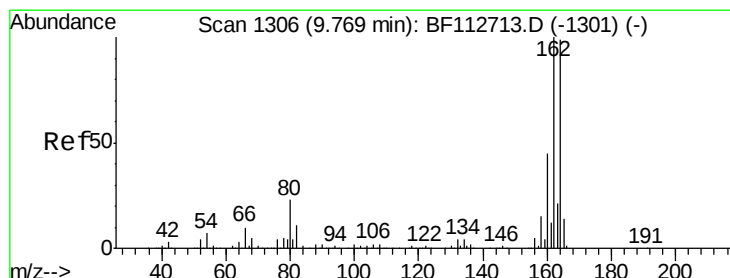
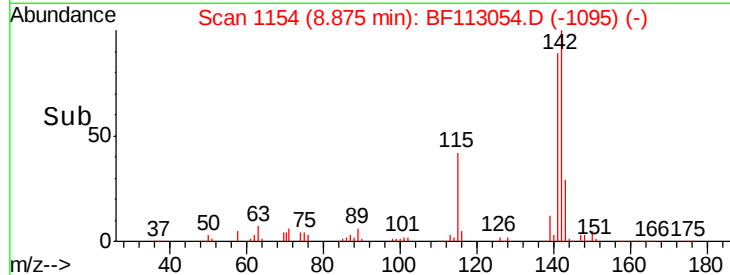
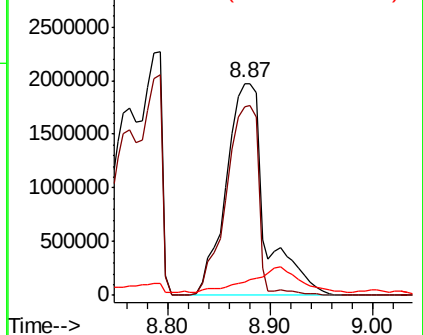
Tot Ion:142 Resp: 5228332
Ion Ratio Lower Upper
142 100
141 88.9 73.7 110.5
116 6.1 3.1 4.7#

Manual Integrations
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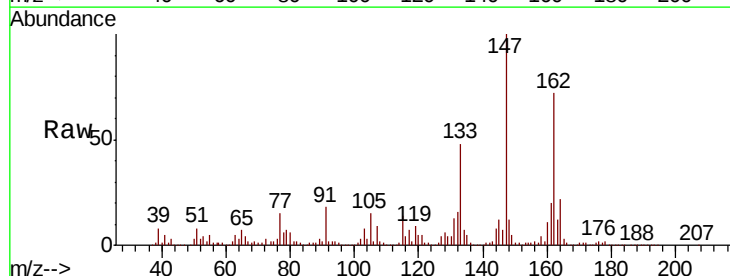


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

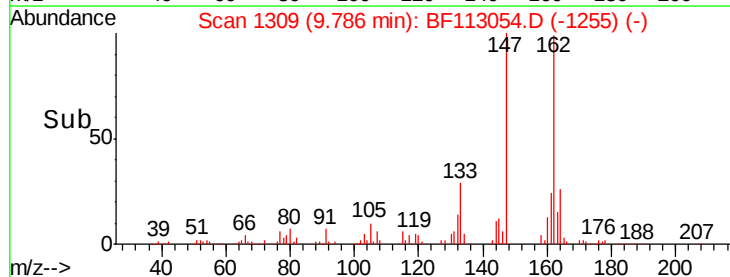
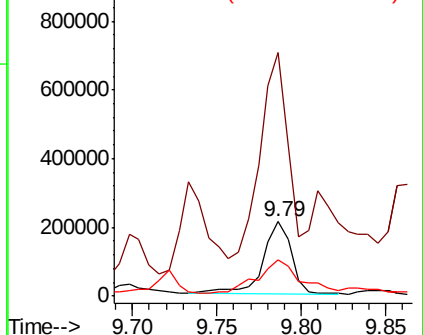


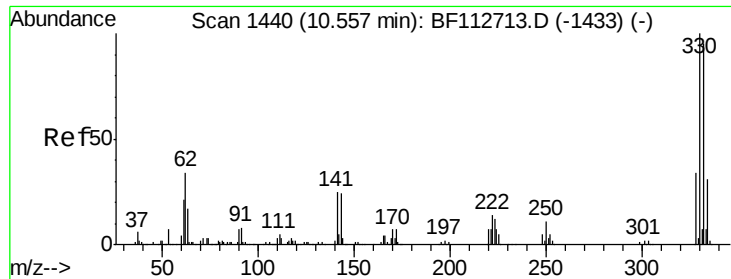
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.02 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Tgt Ion:164 Resp: 243151
Ion Ratio Lower Upper
164 100
162 328.7 80.6 120.8#
160 48.9 36.0 54.0



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





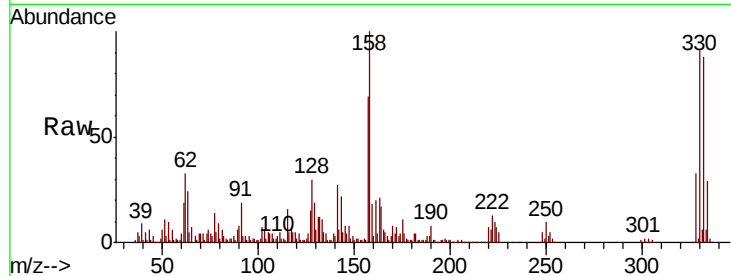
#42
 2,4,6-Tribromophenol
 Concen: 145.741 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.03 min
 Lab File: BF113054.D
 Acq: 14 Mar 2019 17:18

Instrument :
 BNA_F
 ClientSampled :
 MW-1A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.2	114.4
141	54.0	27.0	40.6

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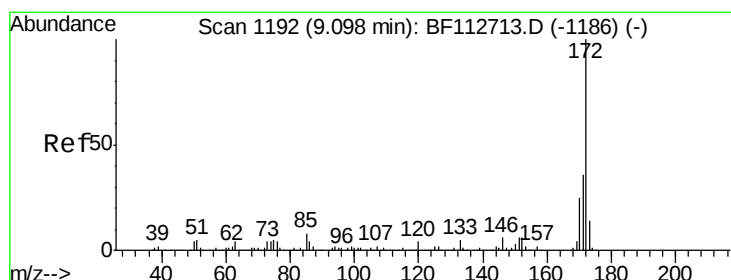
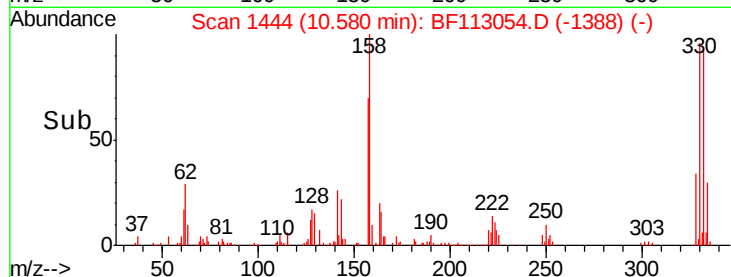
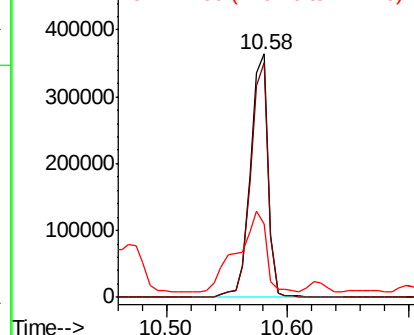


Abundance

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: 75.371 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.03 min
 Lab File: BF113054.D
 Acq: 14 Mar 2019 17:18

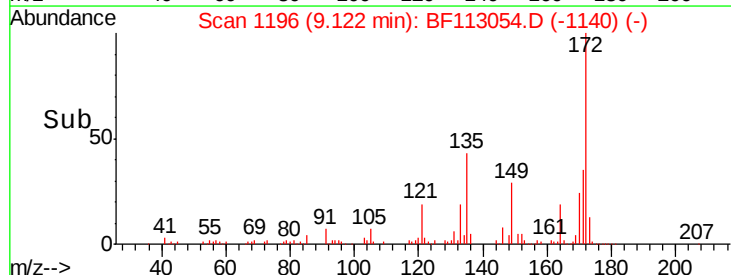
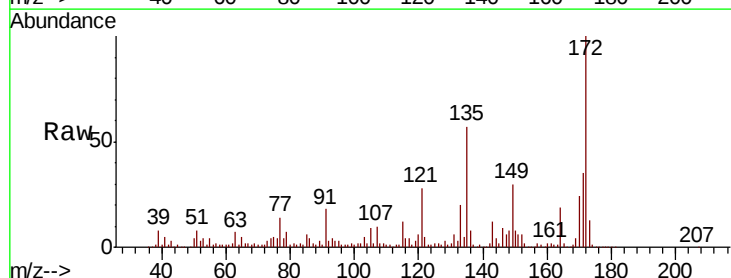
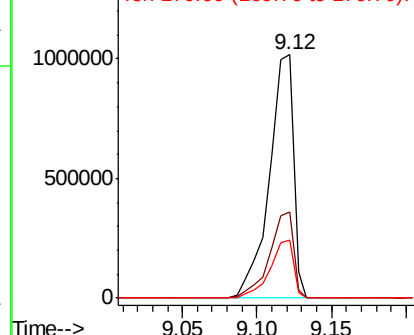
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.4
170	23.6	20.0	30.0

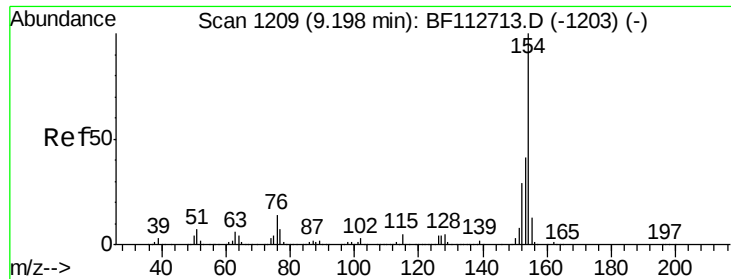
Abundance

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: 70.575 ng

RT: 9.22 min Scan# 1212

Delta R.T. 0.02 min

Lab File: BF113054.D

Acq: 14 Mar 2019 17:18

Instrument :

BNA_F

ClientSampled :

MW-1A

Tot Ion:154 Resp: 1399692

Ion Ratio Lower Upper

154 100

153 40.9 20.8 60.8

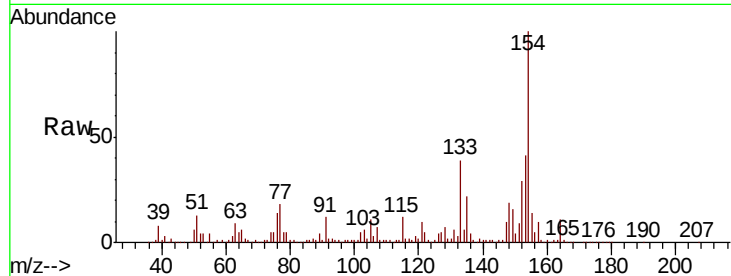
76 14.5 0.0 33.8

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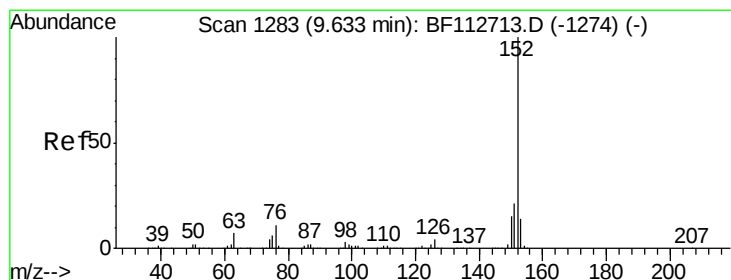
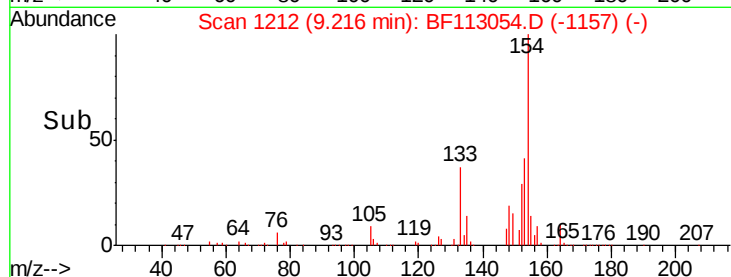
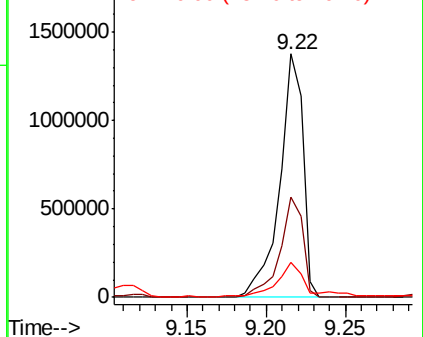
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49

Acenaphthylene

Concen: 4.668 ng

RT: 9.65 min Scan# 1286

Delta R.T. 0.02 min

Lab File: BF113054.D

Acq: 14 Mar 2019 17:18

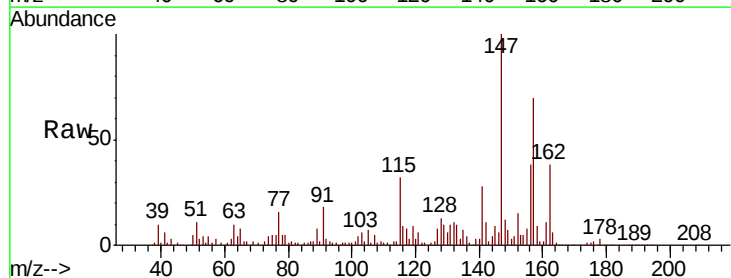
Tgt Ion:152 Resp: 122717

Ion Ratio Lower Upper

152 100

151 23.9 16.9 25.3

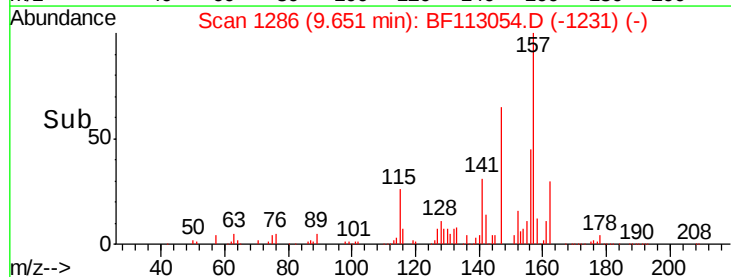
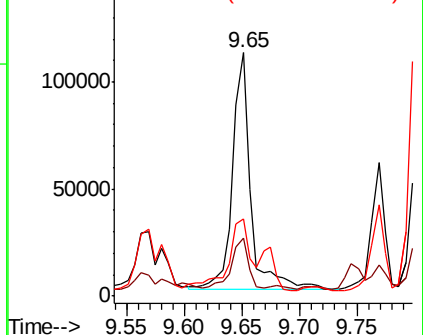
153 31.5 11.0 16.6#

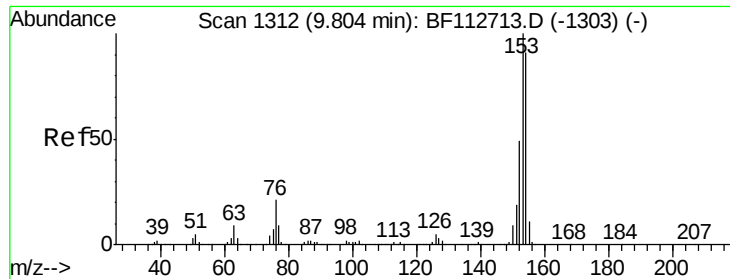


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#52

Acenaphthene

Concen: 94.484 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.02 min

Lab File: BF113054.D

Acq: 14 Mar 2019 17:18

Instrument :

BNA_F

ClientSampleId :

MW-1A

Tot Ion:154 Resp: 1452618

Ion Ratio Lower Upper

154 100

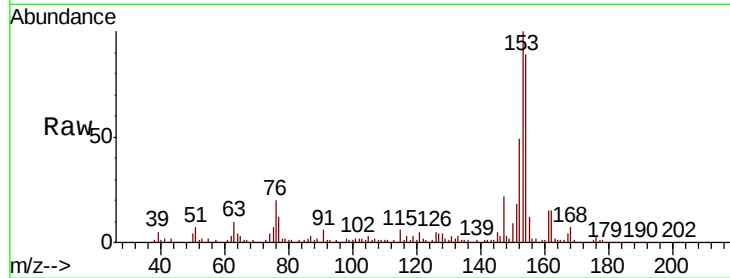
153 112.9 87.8 131.8

152 54.9 43.0 64.6

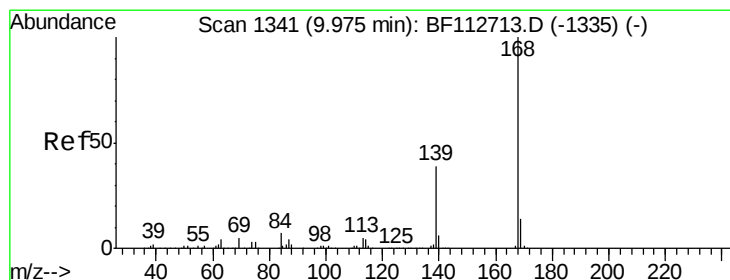
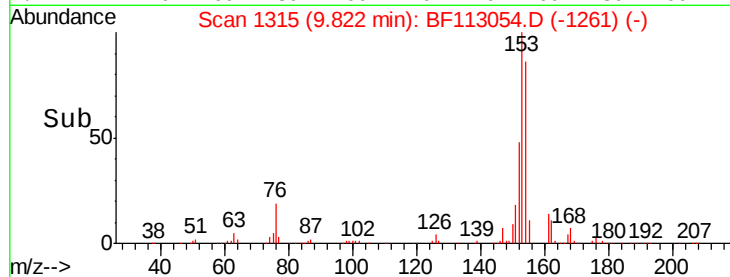
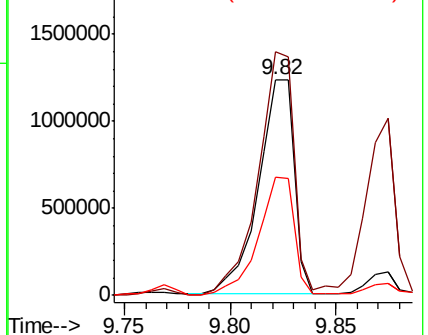
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 67.919 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.02 min

Lab File: BF113054.D

Acq: 14 Mar 2019 17:18

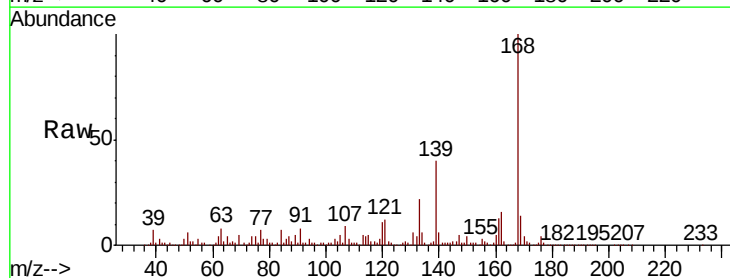
Tgt Ion:168 Resp: 1517641

Ion Ratio Lower Upper

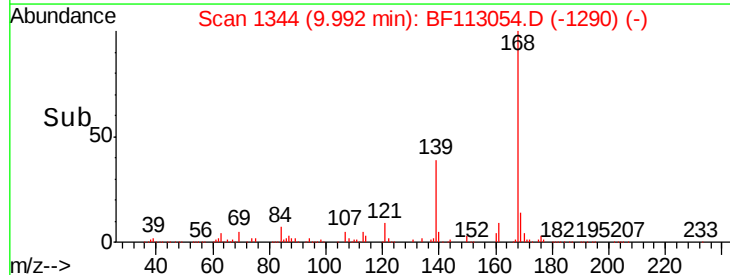
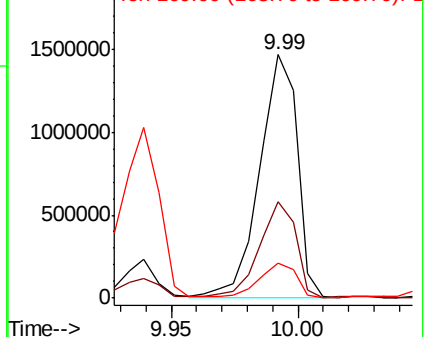
168 100

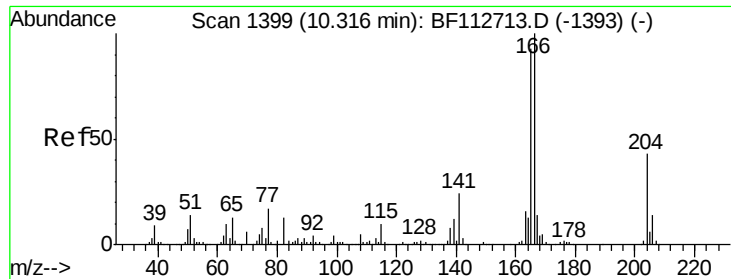
139 39.5 31.3 46.9

169 14.4 11.3 16.9



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





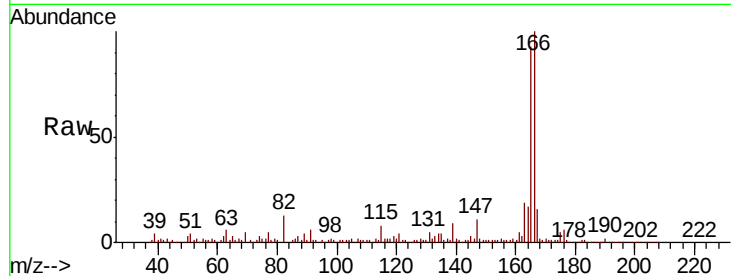
#58
Fluorene
 Concen: 63.992 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. 0.01 min
 Lab File: BF113054.D
 Acq: 14 Mar 2019 17:18

Instrument :
 BNA_F
 ClientSampled :
 MW-1A

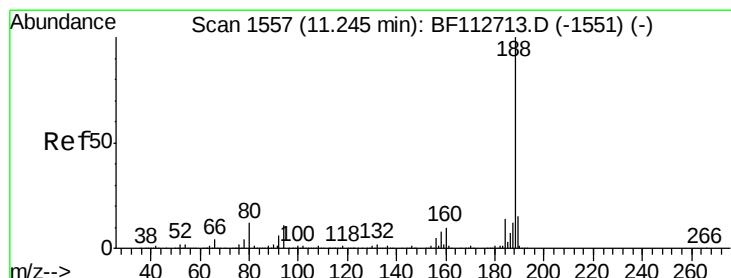
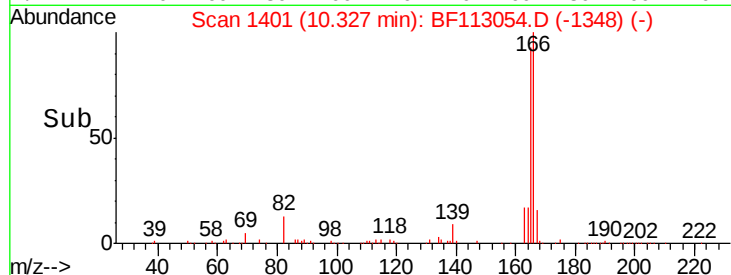
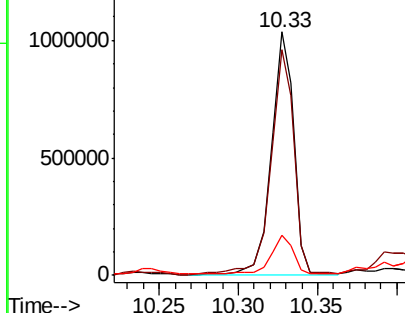
Tot Ion:166 Resp: 1014866
 Ion Ratio Lower Upper
 166 100
 165 92.7 74.7 112.1
 167 16.4 11.0 16.6

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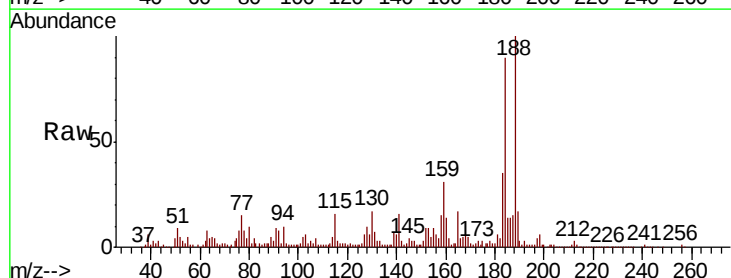


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

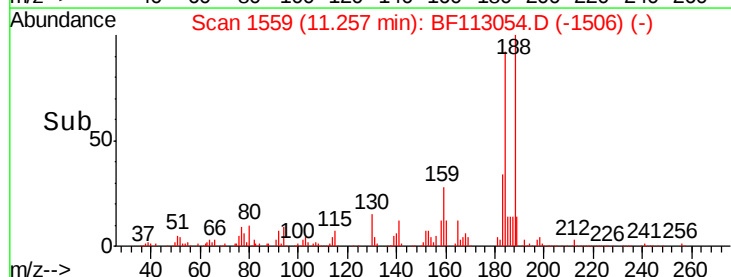
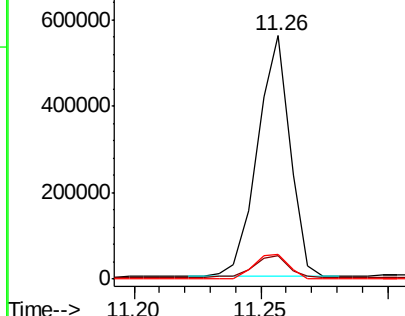


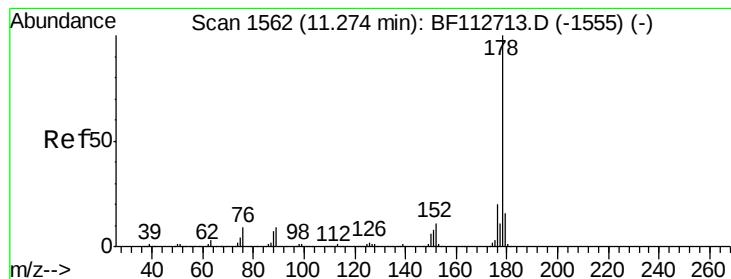
#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: BF113054.D
 Acq: 14 Mar 2019 17:18

Tgt Ion:188 Resp: 502905
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.0 13.4
 80 10.0 9.2 13.8



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





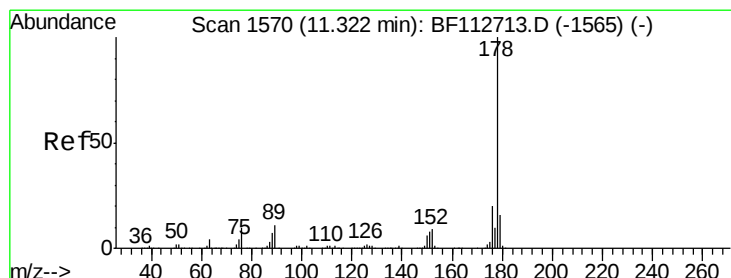
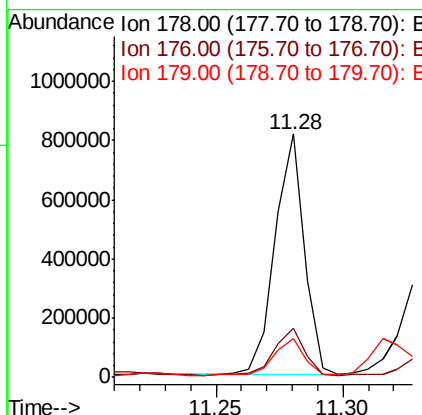
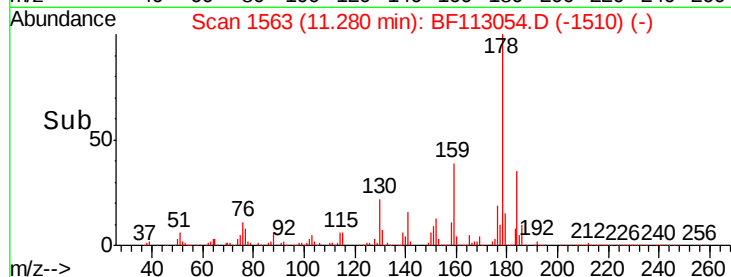
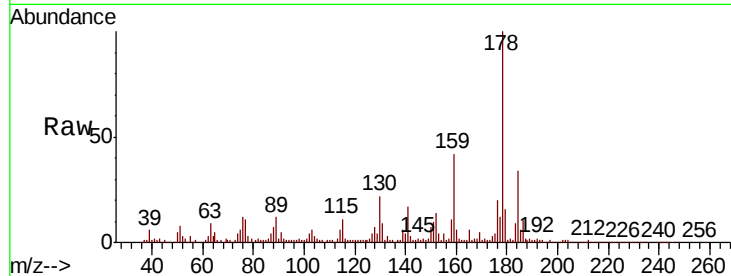
#71
Phenanthrene
Concen: 26.546 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Instrument :
BNA_F
ClientSampled :
MW-1A

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.3	24.5
179	15.8	12.7	19.1

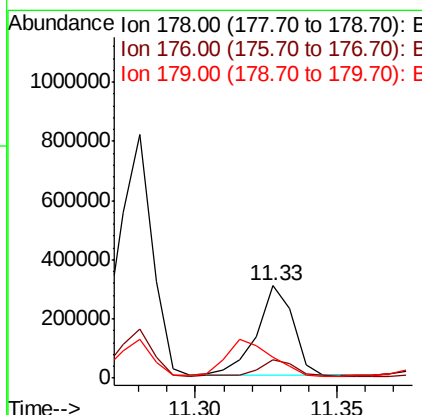
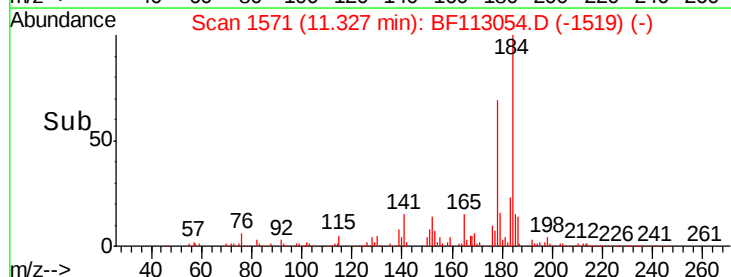
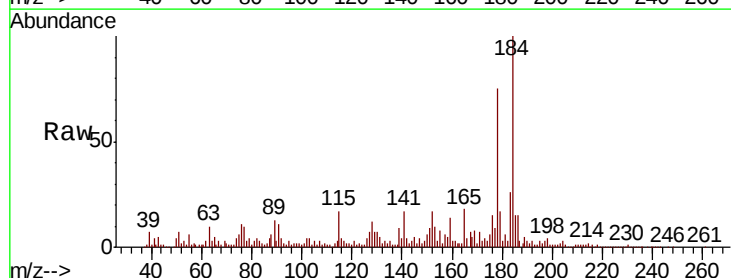
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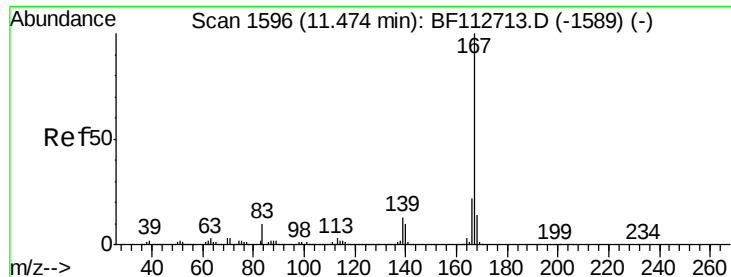
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#72
Anthracene
Concen: 10.564 ng m
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.6
179	22.6	13.0	19.6





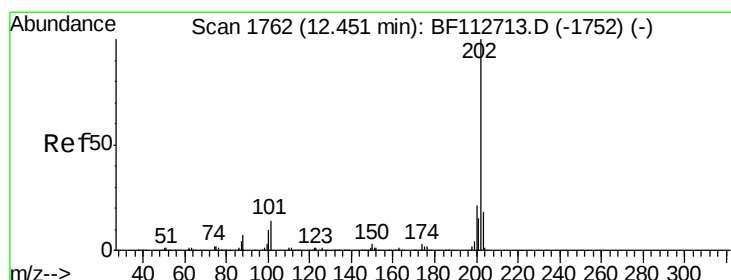
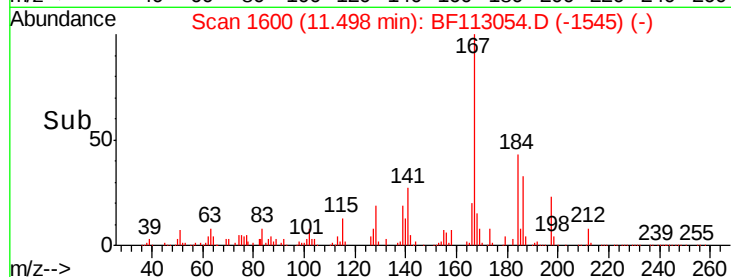
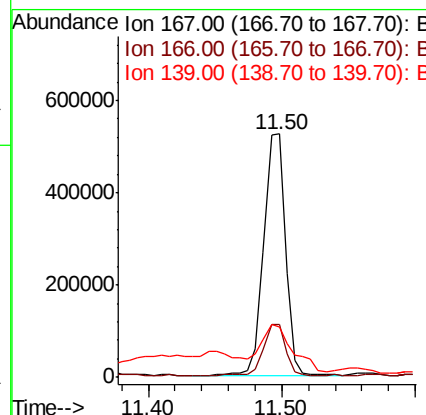
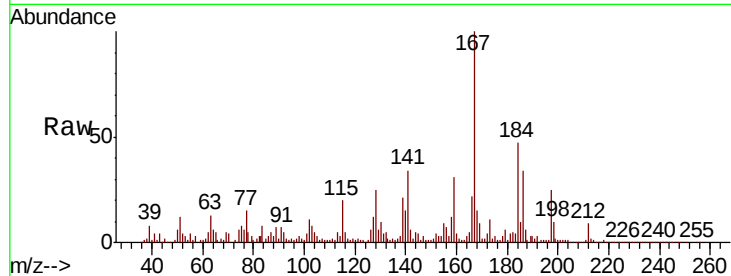
#73
 Carbazole
 Concen: 22.920 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.02 min
 Lab File: BF113054.D
 Acq: 14 Mar 2019 17:18

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	20.6	10.8	16.2

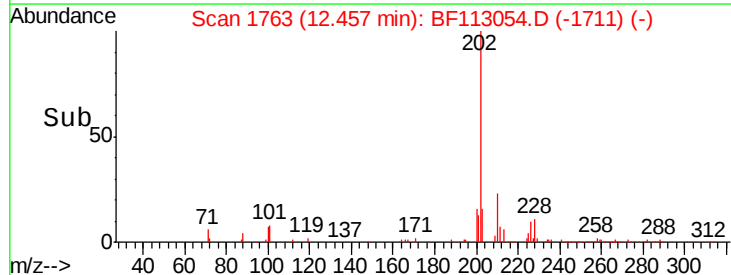
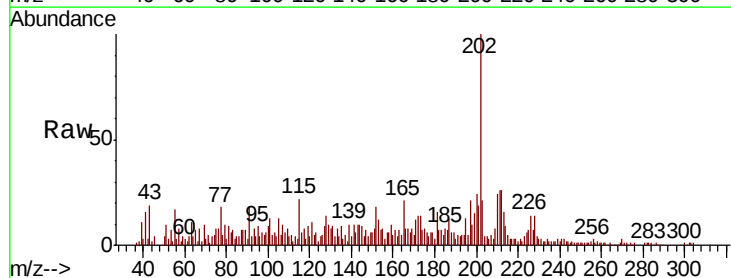
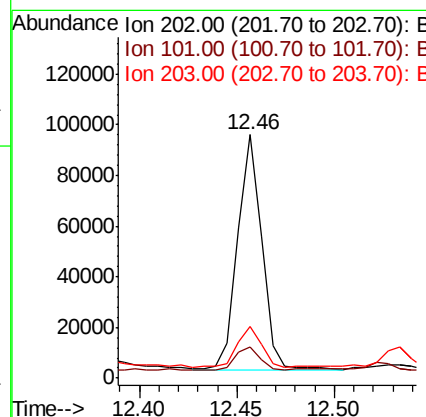
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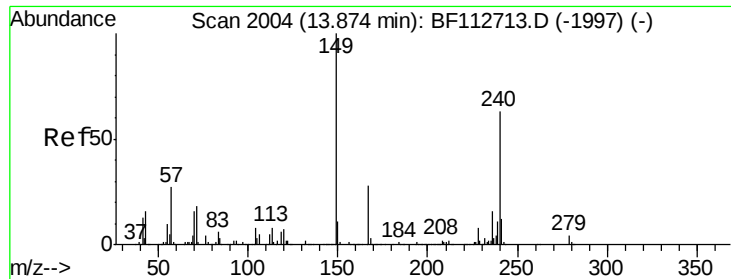
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#75
 Fluoranthene
 Concen: 2.999 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF113054.D
 Acq: 14 Mar 2019 17:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.8
203	21.0	0.0	38.4





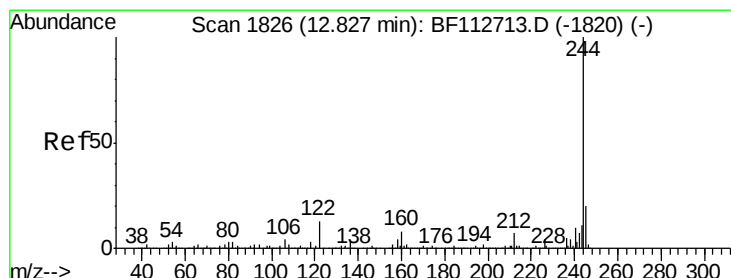
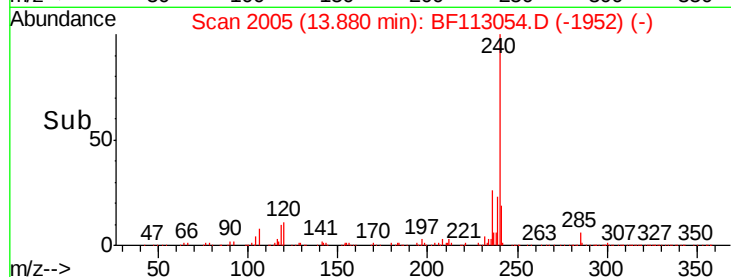
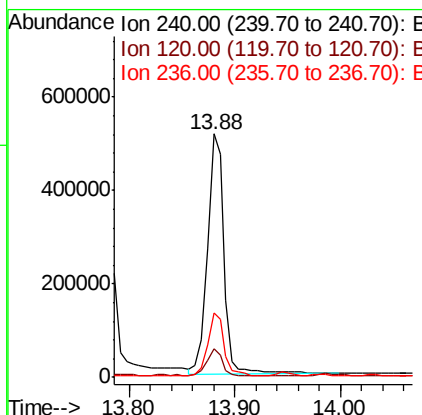
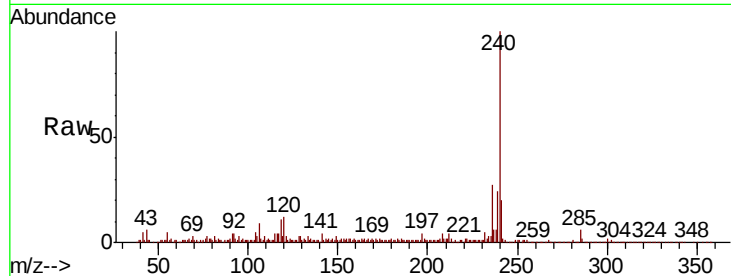
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF113054.D
 Acq: 14 Mar 2019 17:18

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.9	13.3
236	26.5	20.7	31.1

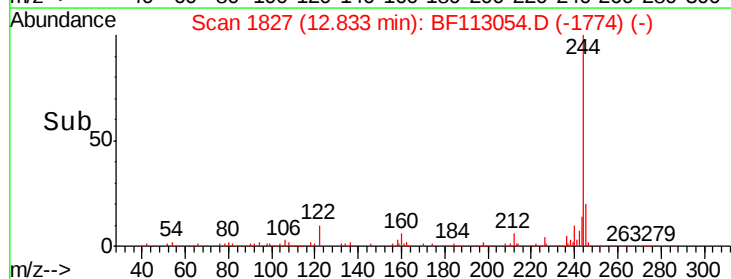
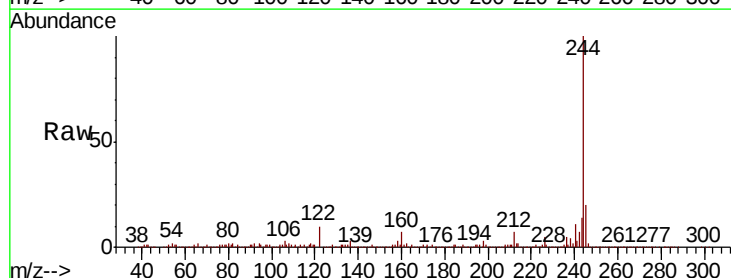
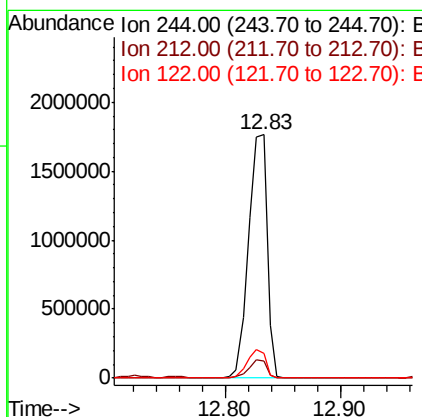
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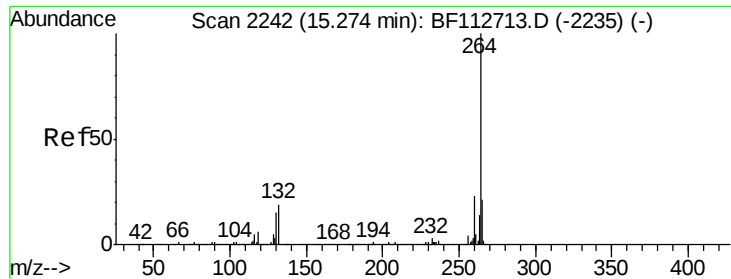
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#79
 Terphenyl-d14
 Concen: 67.797 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF113054.D
 Acq: 14 Mar 2019 17:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.4	10.5	15.7#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF113054.D
Acq: 14 Mar 2019 17:18

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.5	17.2	25.8

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