

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114942.D
 Acq On : 11 Jun 2019 13:26
 Operator : HP/JU
 Sample : K3214-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4A

Manual Integrations
 APPROVED

mohammad
 6/12/2019 9:03:36 AM

Quant Time: Jun 12 12:16:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	231303	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	740028	20.00	ng	0.01
39) Acenaphthene-d10	9.70	164	447061	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	892413	20.00	ng	0.00
76) Chrysene-d12	13.79	240	623973	20.00	ng	0.00
87) Perylene-d12	15.17	264	701077	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1054597m	77.16	ng	0.02
7) Phenol-d6	6.32	99	823809	49.97	ng	0.01
23) Nitrobenzene-d5	7.23	82	1313461	109.05	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	643599	132.34	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2453408	87.10	ng	0.00
79) Terphenyl-d14	12.75	244	2629751	83.81	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.27	88	15244	2.351	ng	# 82
27) 2,4-Dimethylphenol	7.66	122	1132740	111.205	ng	# 93
31) Naphthalene	7.99	128	13594609	398.682	ng	# 93
32) Benzoic acid	7.78	122	2628383	345.449	ng	# 18
37) 2-Methylnaphthalene	8.67	142	3793596	163.719	ng	# 95
38) 1-Methylnaphthalene	8.77	142	4467097m	203.837	ng	
46) 1,1'-Biphenyl	9.13	154	939187	28.080	ng	98
49) Acenaphthylene	9.56	152	99449	2.390	ng	# 22
50) Dimethylphthalate	9.44	163	91919	2.736	ng	# 90
52) Acenaphthene	9.73	154	1692928	67.163	ng	99
55) Dibenzofuran	9.90	168	1623425	45.118	ng	99
58) Fluorene	10.24	166	1129873	40.736	ng	99
71) Phenanthrene	11.19	178	1257100	29.034	ng	98
72) Anthracene	11.24	178	260797	5.934	ng	97
73) Carbazole	11.40	167	184772	4.618	ng	98
75) Fluoranthene	12.37	202	127494	2.847	ng	98

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

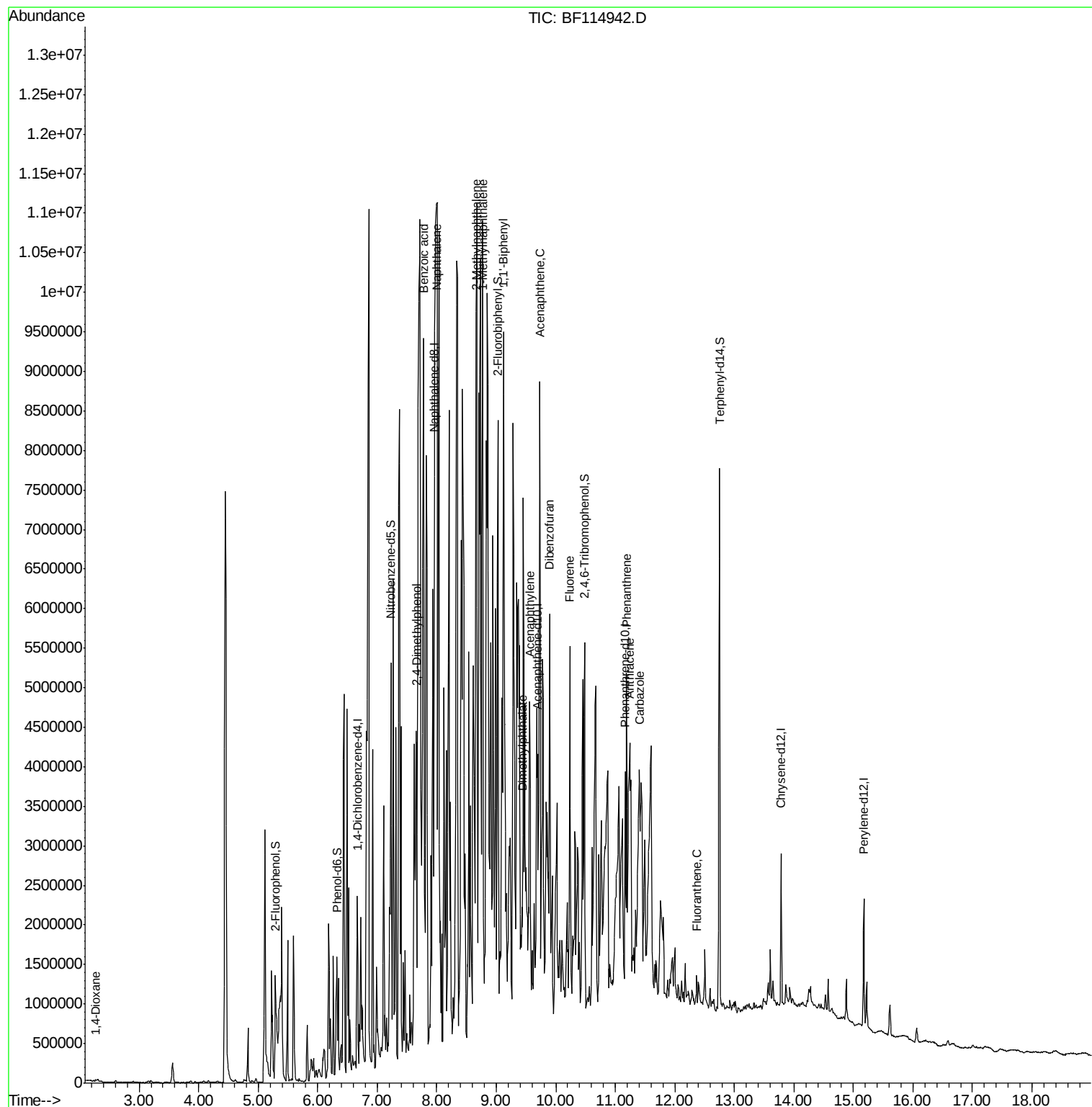
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
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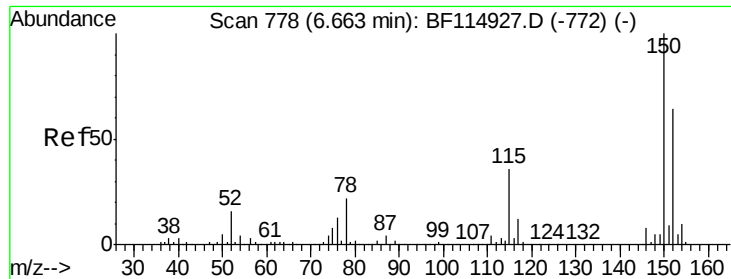
Instrument :
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#1

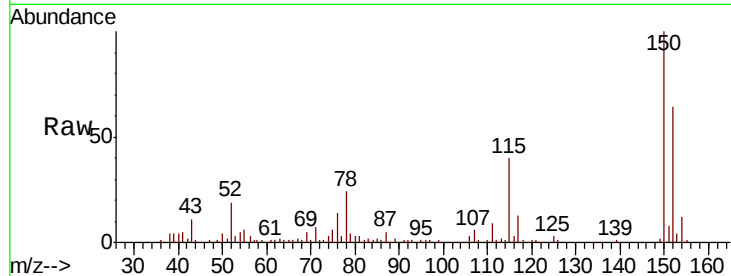
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114942.D
Acq: 11 Jun 2019 13:26

Instrument :
BNA_F
ClientSampleId :
MW-4A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.2	187.8
115	63.0	45.0	67.4

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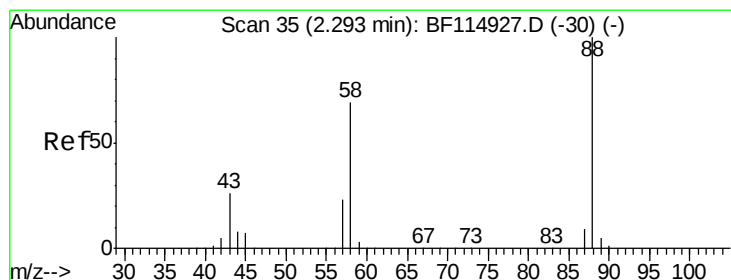
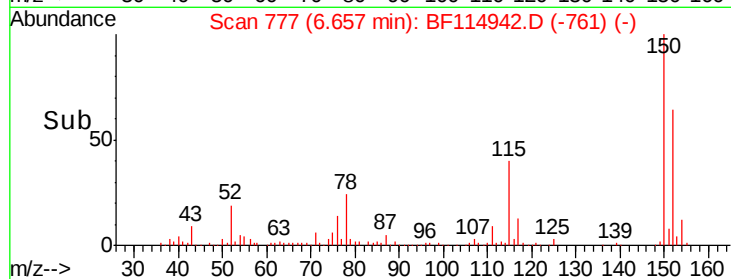
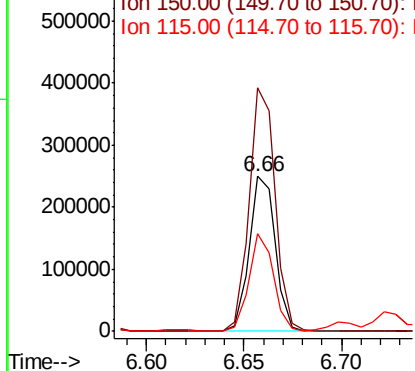


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

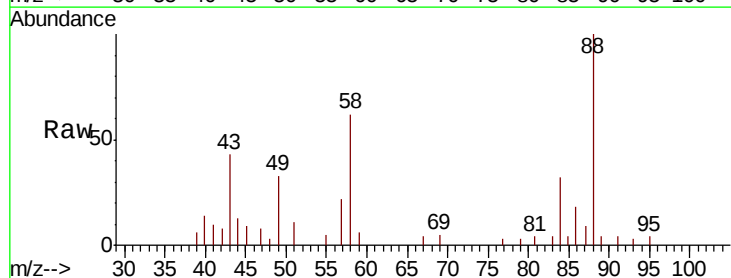
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 2.351 ng
RT: 2.27 min Scan# 31
Delta R.T. -0.02 min
Lab File: BF114942.D
Acq: 11 Jun 2019 13:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.2	54.2	81.2
43	52.2	20.6	30.8

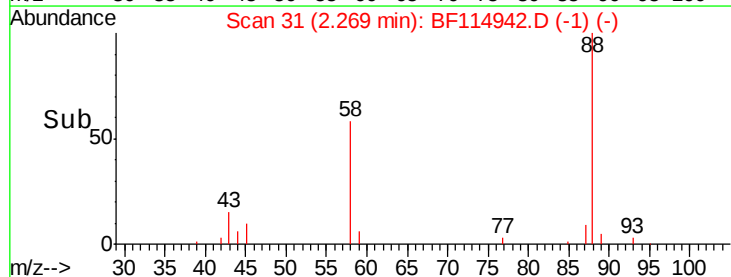
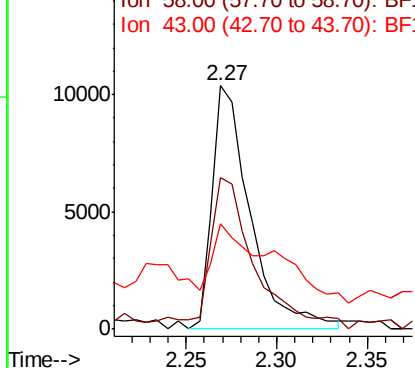


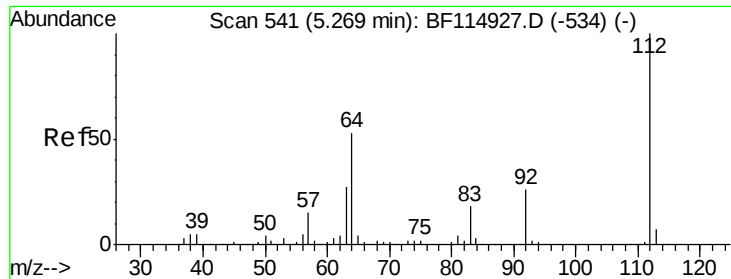
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 77.164 ng/mL

RT: 5.29 min Scan# 545

Delta R.T. 0.02 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

Instrument :

BNA_F

ClientSampled :

MW-4A

Tot Ion: 112 Resp: 1054597

Ion Ratio Lower Upper

112 100

64 51.5 42.1 63.1

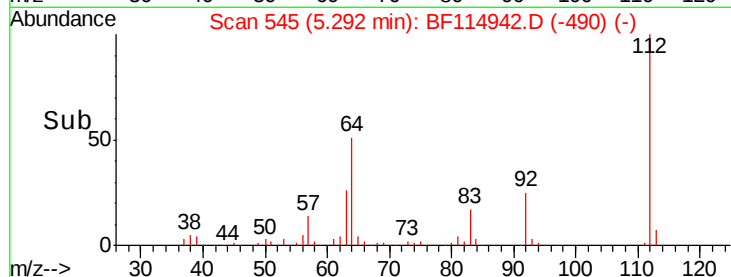
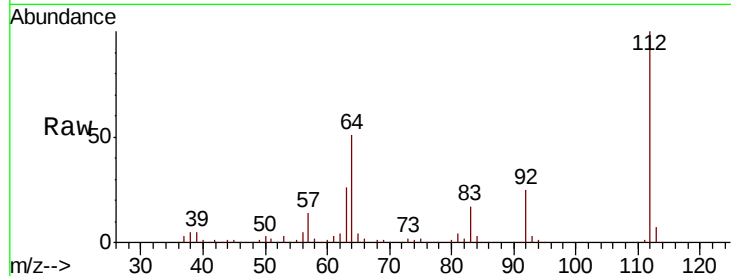
63 25.9 21.8 32.8

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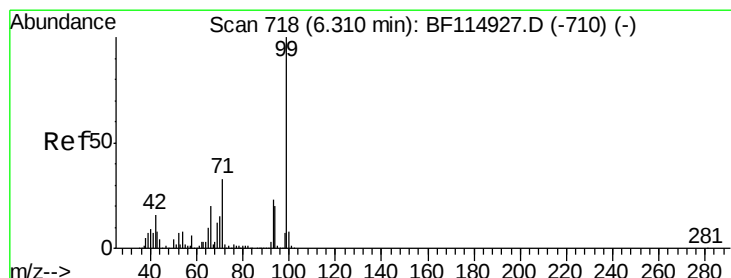
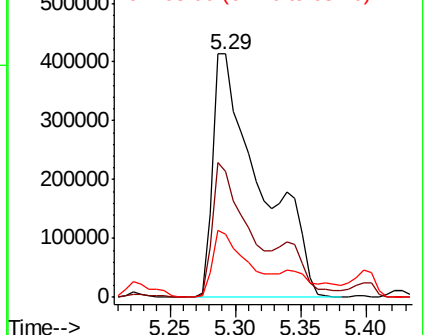
6/12/2019 9:03:36 AM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 49.973 ng/mL

RT: 6.32 min Scan# 720

Delta R.T. 0.01 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

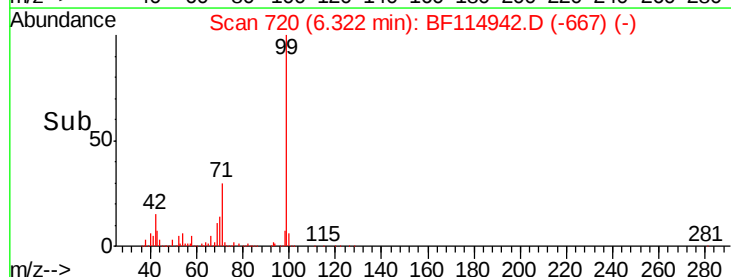
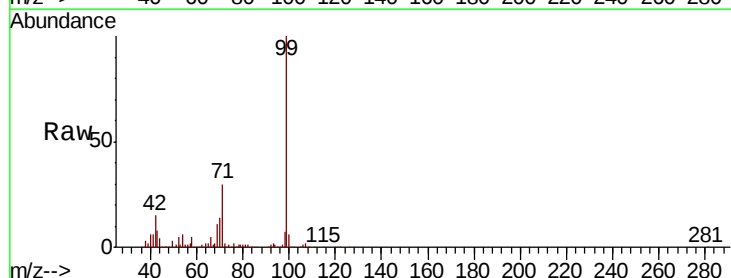
Tgt Ion: 99 Resp: 823809

Ion Ratio Lower Upper

99 100

42 15.5 13.1 19.7

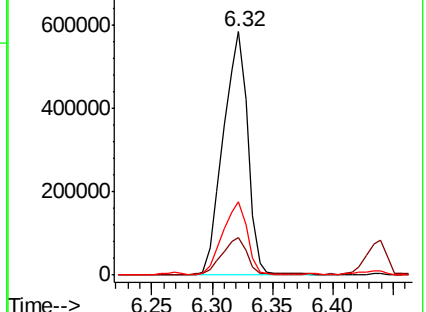
71 30.0 26.8 40.2

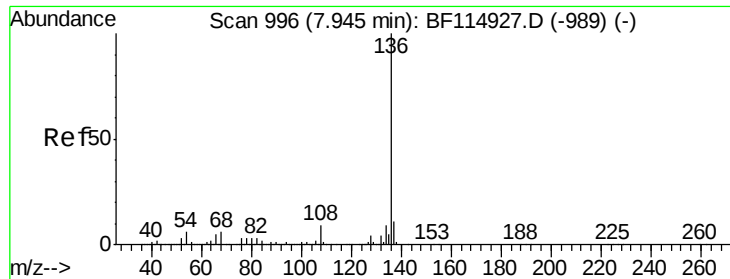


Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 7.96 min Scan# 998

Delta R.T. 0.01 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

Instrument :

BNA_F

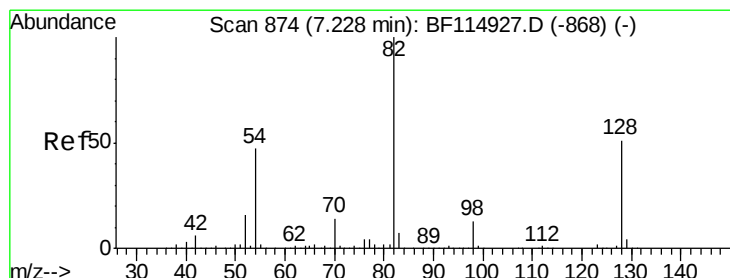
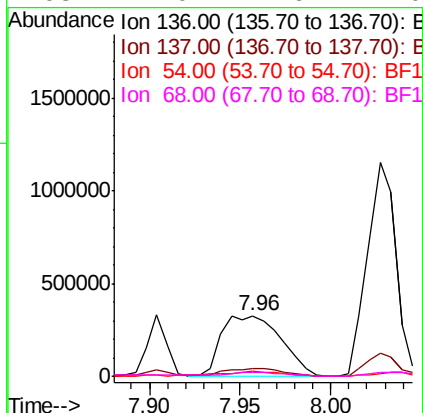
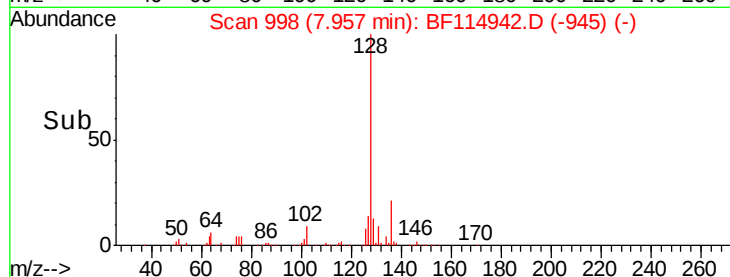
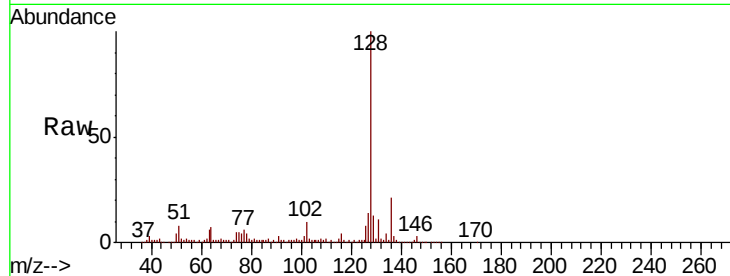
ClientSampleId :

MW-4A

Tot Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.0	13.6
54	7.9	5.2	7.8#
68	7.0	4.6	7.0#

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#23

Nitrobenzene-d5

Concen: 109.052 ng

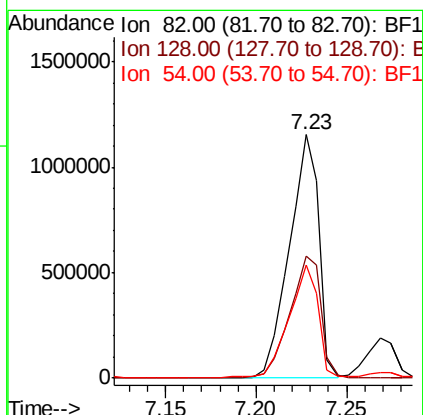
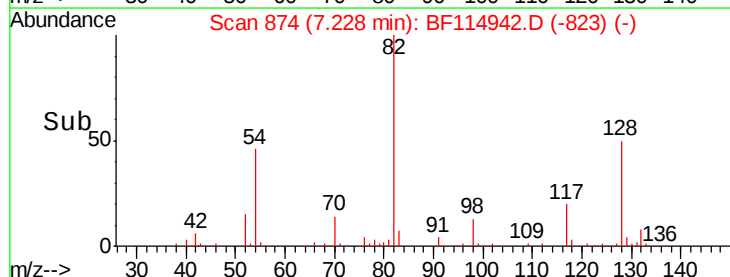
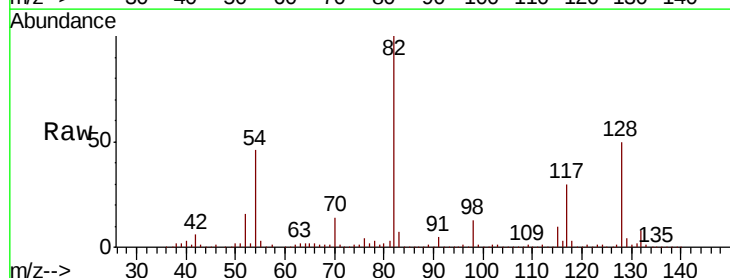
RT: 7.23 min Scan# 874

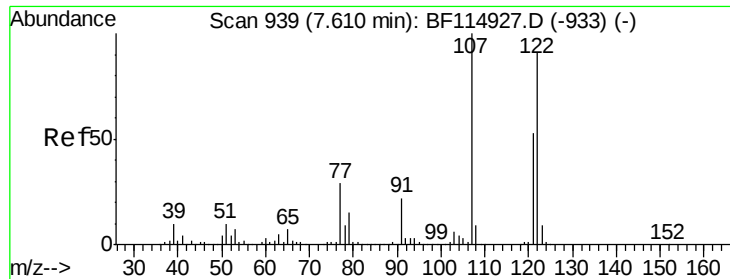
Delta R.T. -0.00 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.0	40.9	61.3
54	46.2	37.4	56.0





#27

2,4-Dimethylphenol

Concen: 111.205 ng

RT: 7.66 min Scan# 947

Delta R.T. 0.05 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

Instrument :

BNA_F

ClientSampled :

MW-4A

Tot Ion:122 Resp: 1132740

Ion Ratio Lower Upper

122 100

107 108.9 88.0 132.0

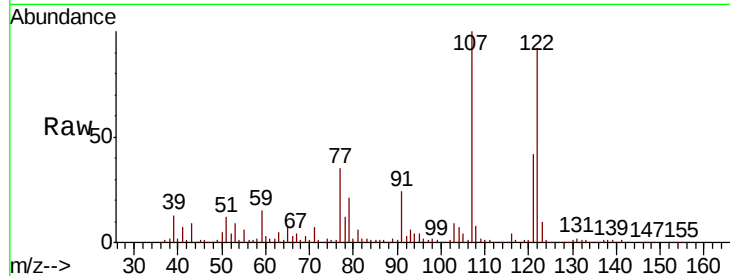
121 45.5 47.0 70.6#

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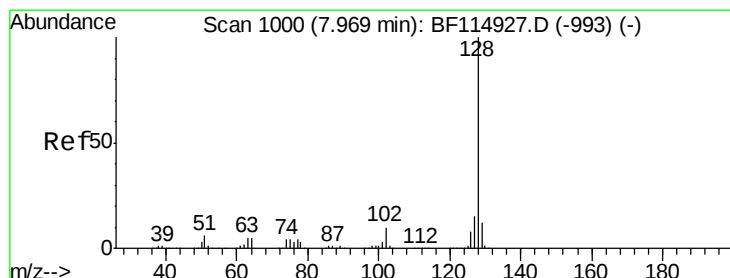
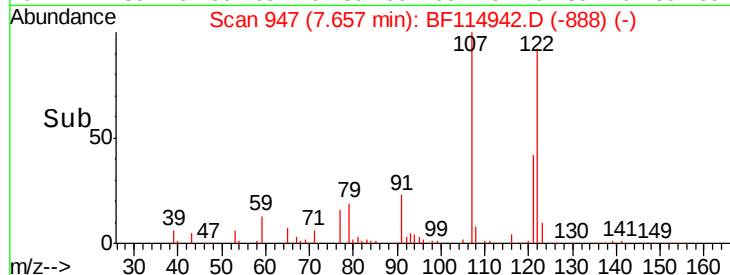
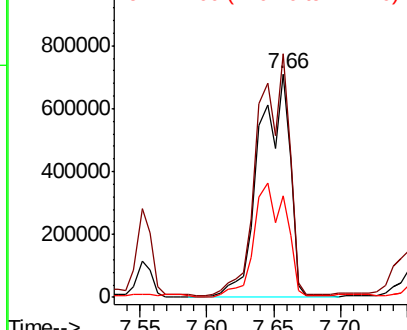


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 398.682 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.02 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

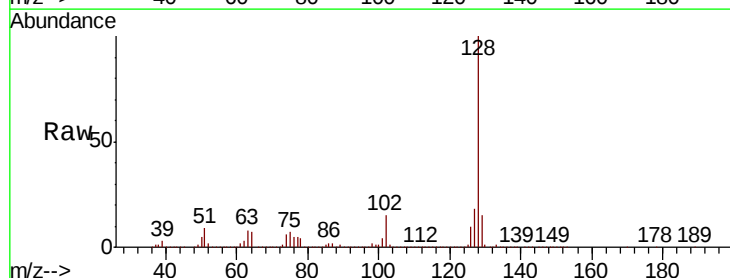
Tgt Ion:128 Resp:13594609

Ion Ratio Lower Upper

128 100

129 14.9 9.8 14.8#

127 17.6 11.8 17.6

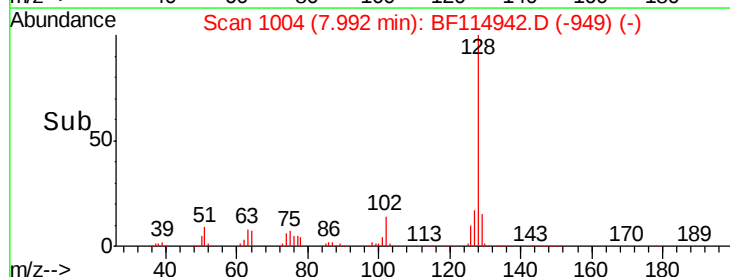
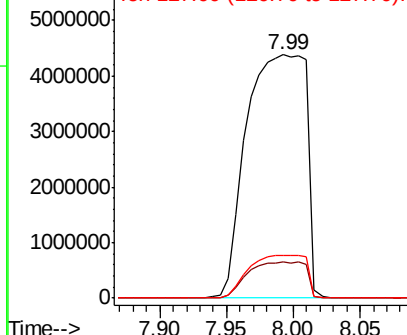


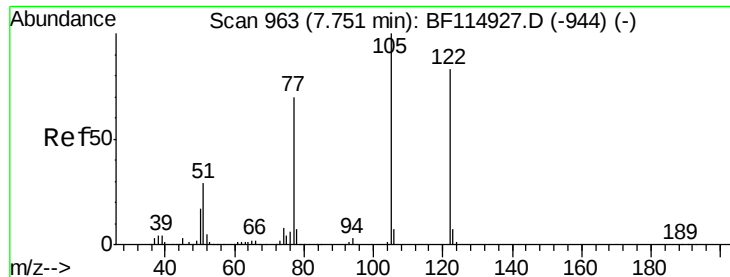
Abundance

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





#32

Benzoic acid

Concen: 345.449 ng

RT: 7.78 min Scan# 968

Delta R.T. 0.03 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

Instrument :

BNA_F

ClientSampleId :

MW-4A

Tot Ion:122 Resp: 2628383

Ion Ratio Lower Upper

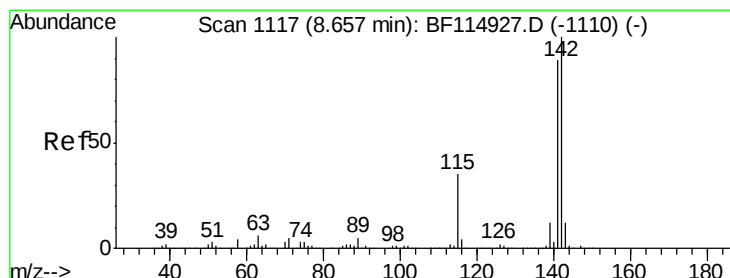
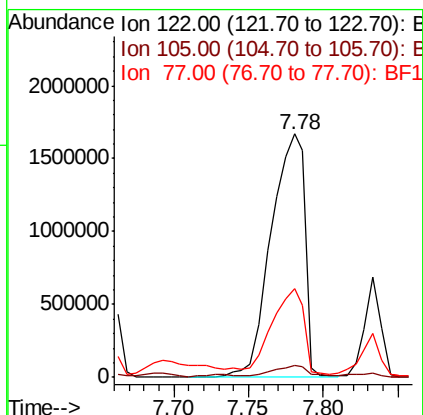
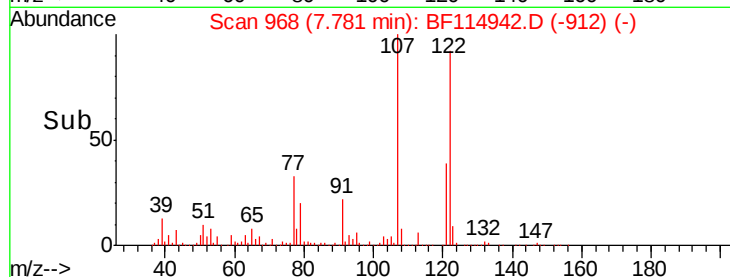
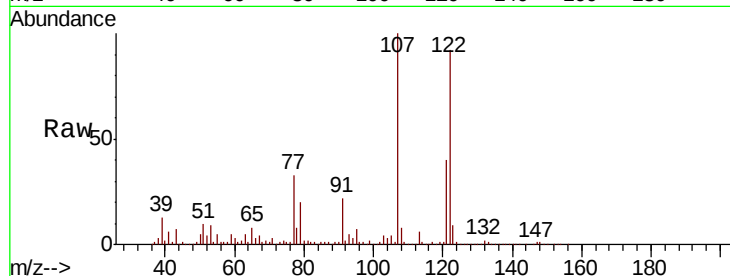
122 100

105 4.7 97.7 137.7#

77 36.2 63.0 103.0#

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#37

2-Methylnaphthalene

Concen: 163.719 ng

RT: 8.67 min Scan# 1120

Delta R.T. 0.02 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

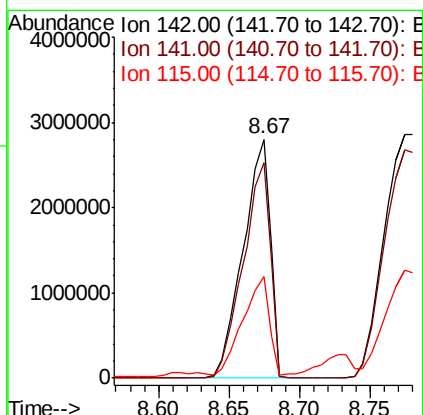
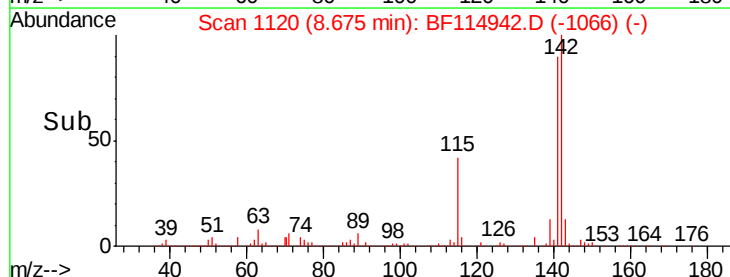
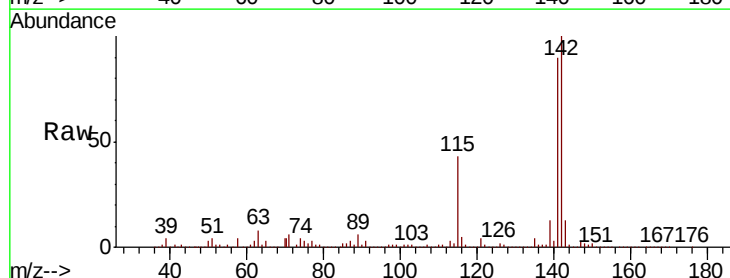
Tgt Ion:142 Resp: 3793596

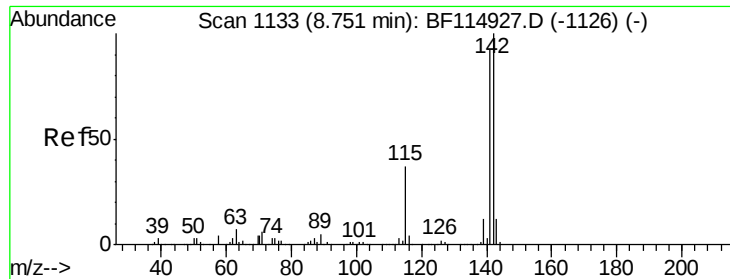
Ion Ratio Lower Upper

142 100

141 90.5 71.1 106.7

115 42.6 27.8 41.6#





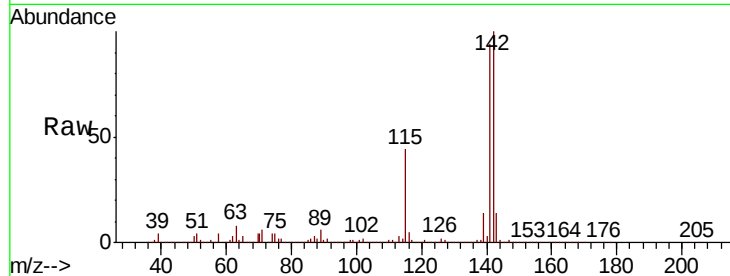
#38
1-Methylnaphthalene
Concen: 203.837 ng/ml
RT: 8.77 min Scan# 1137
Delta R.T. 0.02 min
Lab File: BF114942.D
Acq: 11 Jun 2019 13:26

Instrument :
BNA_F
ClientSampleId :
MW-4A

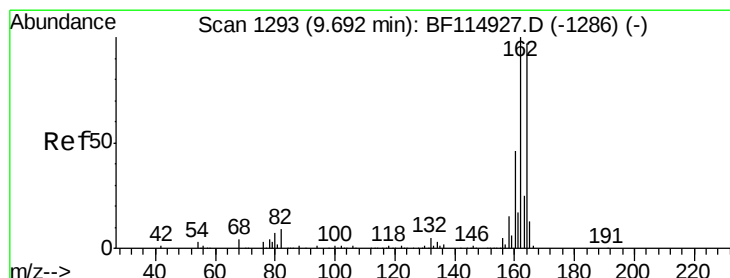
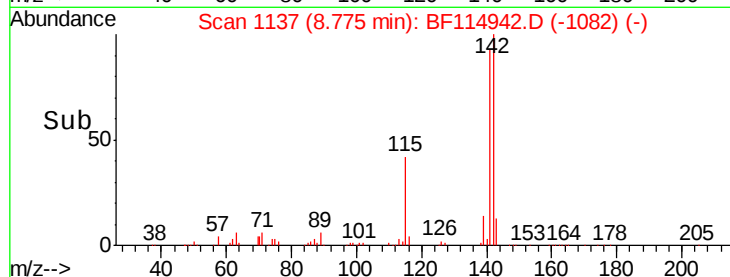
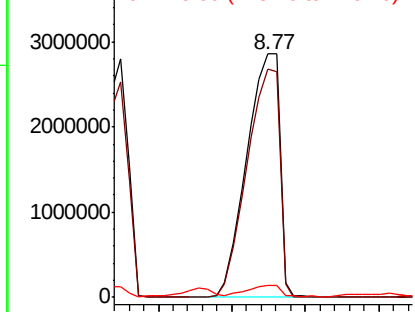
Tot Ion:142 Resp: 4467097
Ion Ratio Lower Upper
142 100
141 93.5 73.7 110.5
116 5.0 3.1 4.7#

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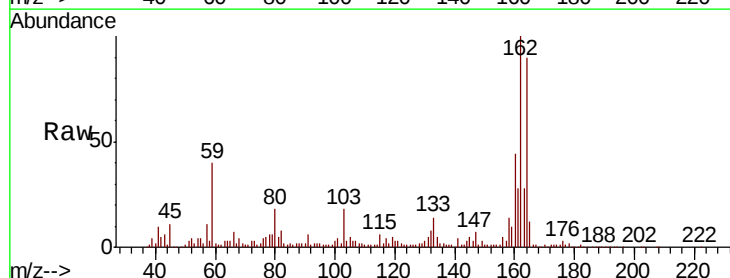


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

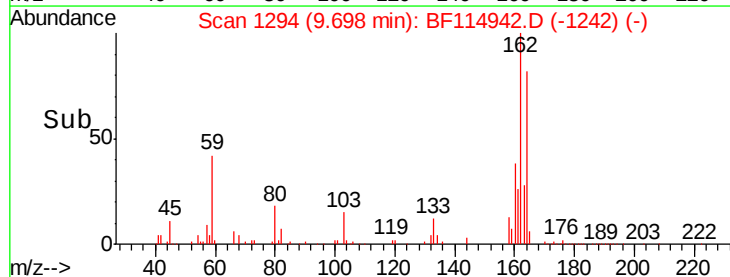
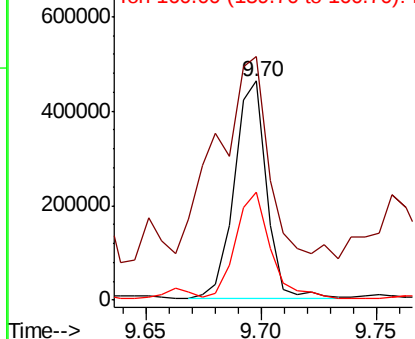


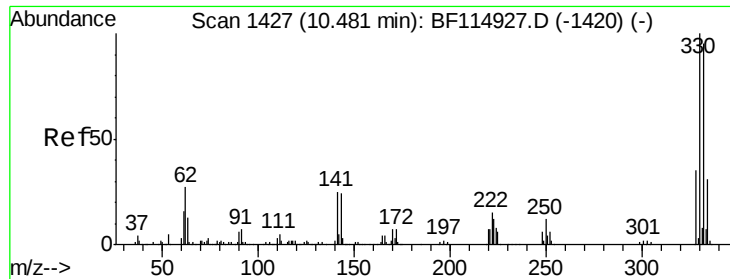
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BF114942.D
Acq: 11 Jun 2019 13:26

Tgt Ion:164 Resp: 447061
Ion Ratio Lower Upper
164 100
162 111.2 82.4 123.6
160 49.4 37.5 56.3



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





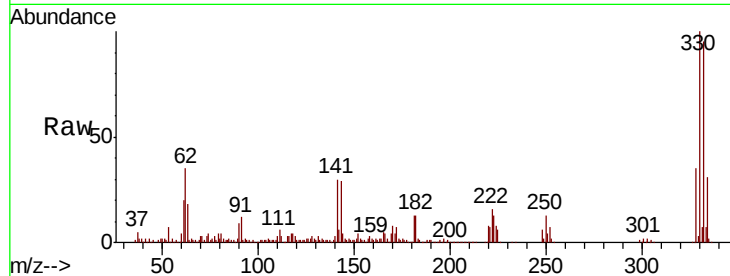
#42
 2,4,6-Tribromophenol
 Concen: 132.341 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: BF114942.D
 Acq: 11 Jun 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 MW-4A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	643599		
332	95.3		76.4	114.6
141	40.3		26.8	40.2

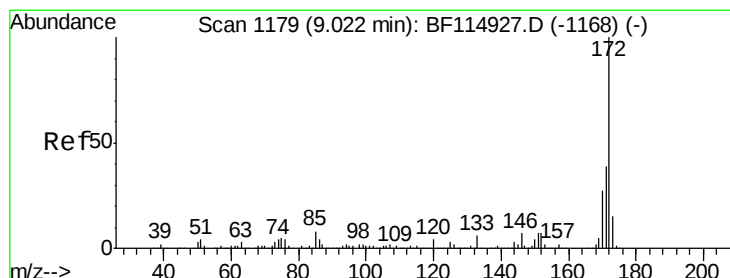
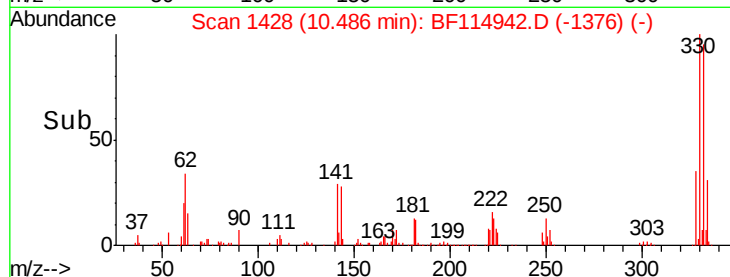
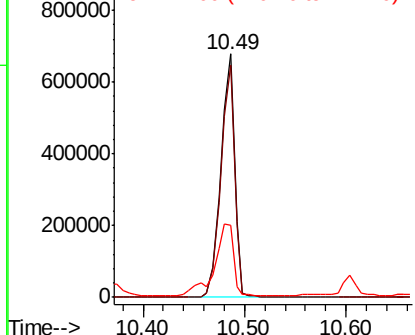
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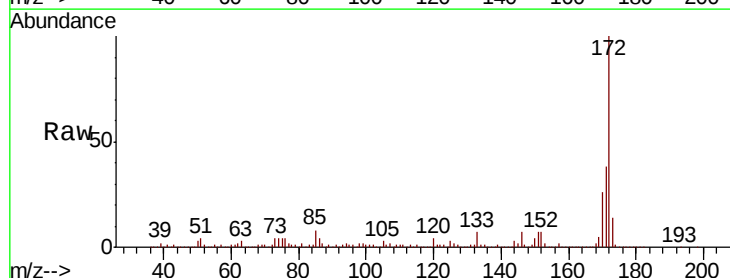
Abundance

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



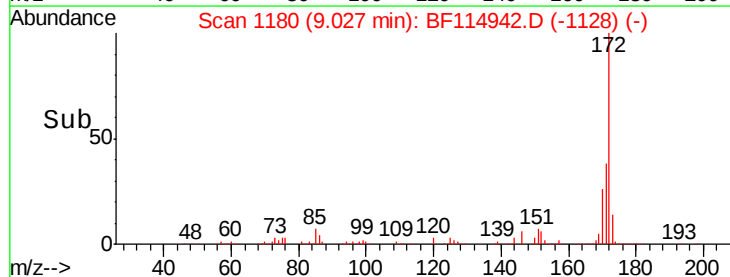
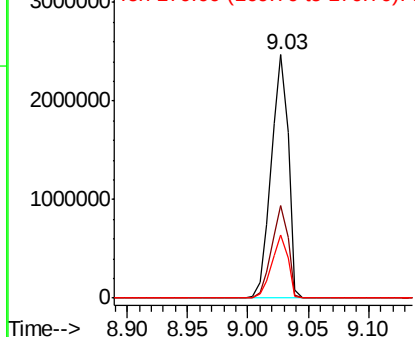
#45
 2-Fluorobiphenyl
 Concen: 87.096 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: BF114942.D
 Acq: 11 Jun 2019 13:26

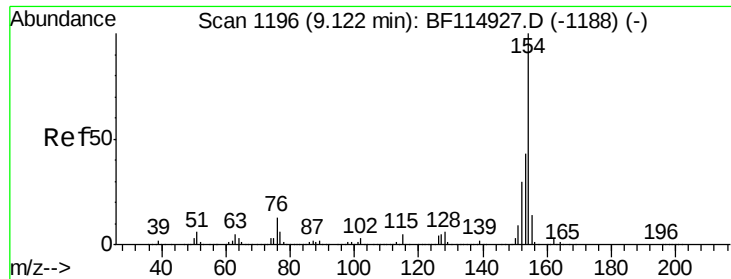
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2453408		
171	38.1		31.3	46.9
170	26.0		21.4	32.0



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





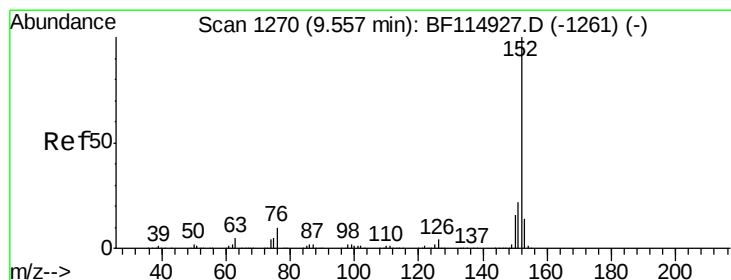
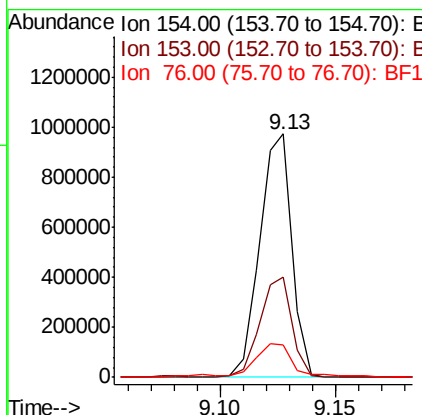
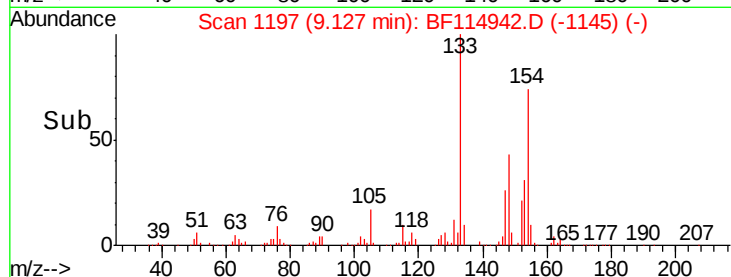
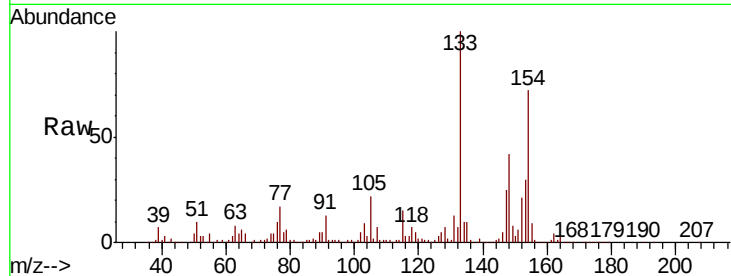
#46
 1,1'-Biphenyl
 Concen: 28.080 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: BF114942.D
 Acq: 11 Jun 2019 13:26

Instrument :
 BNA_F
 ClientSampled :
 MW-4A

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.2	22.8	62.8	
76	13.3	0.0	33.0	

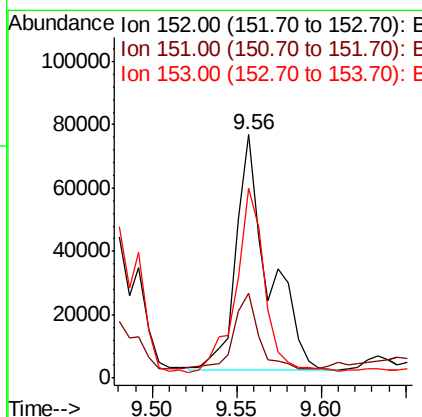
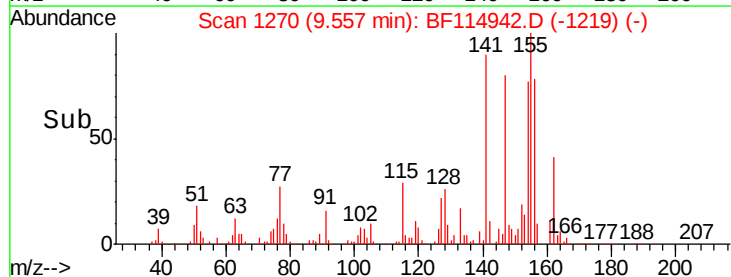
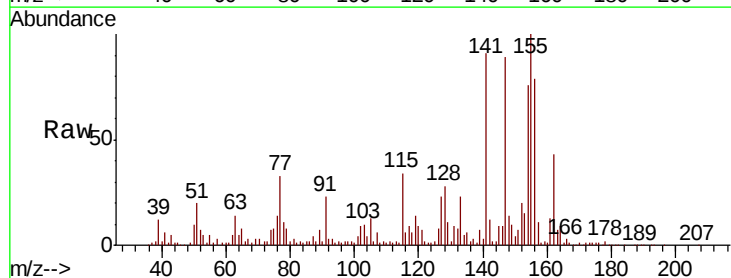
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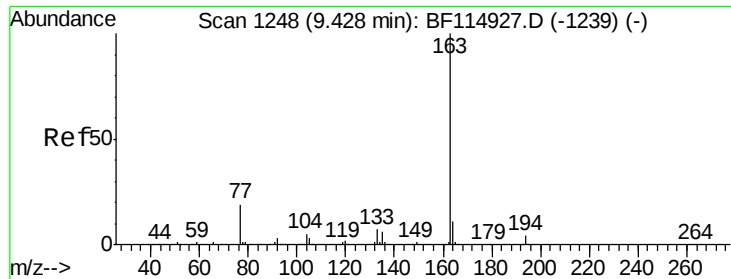
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#49
 Acenaphthylene
 Concen: 2.390 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: BF114942.D
 Acq: 11 Jun 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	34.9	17.6	26.4#	
153	78.1	11.4	17.0#	





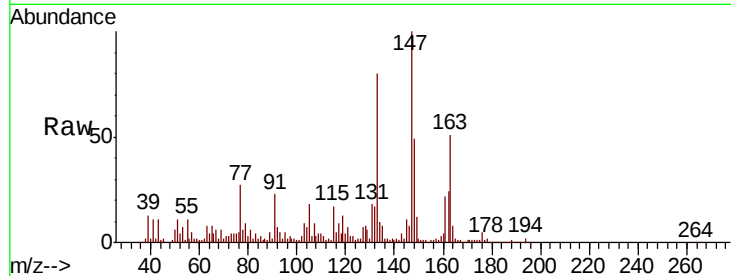
#50
Dimethylphthalate
Concen: 2.736 ng
RT: 9.44 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BF114942.D
Acq: 11 Jun 2019 13:26

Instrument :
BNA_F
ClientSampleId :
MW-4A

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	15.8	8.7	13.1

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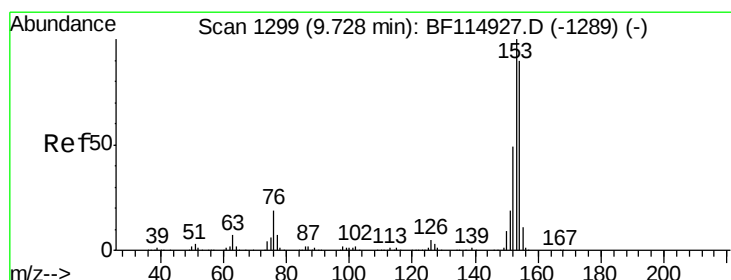
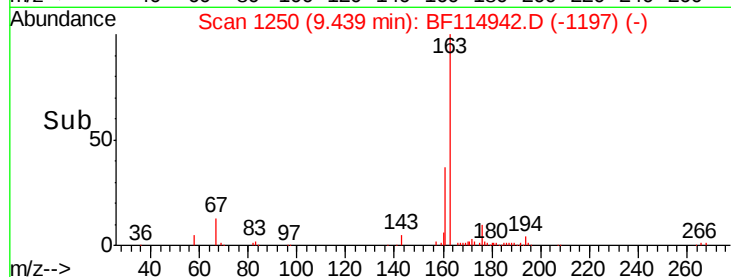
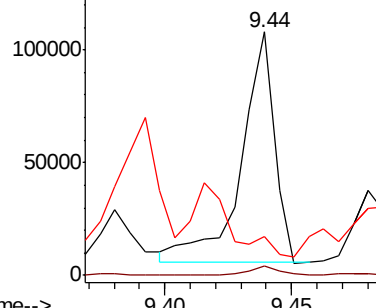


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 67.163 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF114942.D
Acq: 11 Jun 2019 13:26

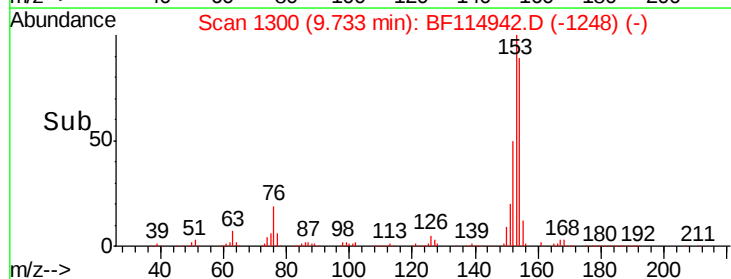
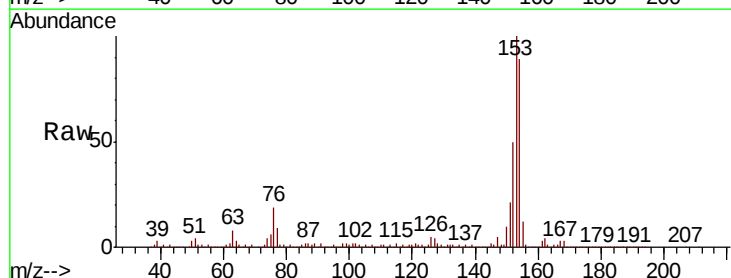
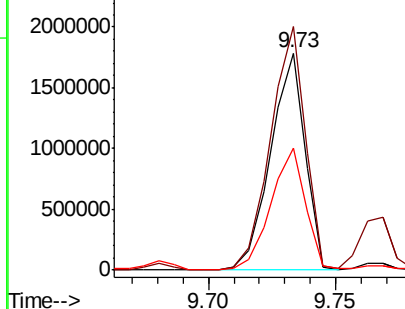
Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.1	133.7
152	56.1	43.8	65.6

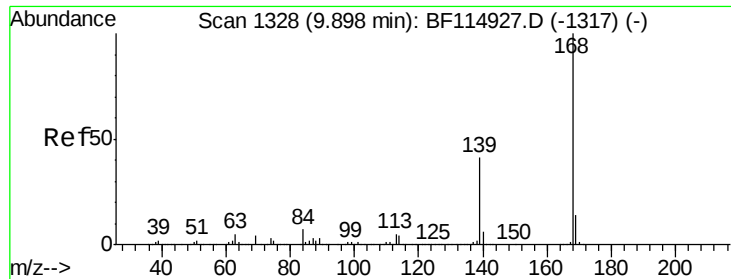
Abundance

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





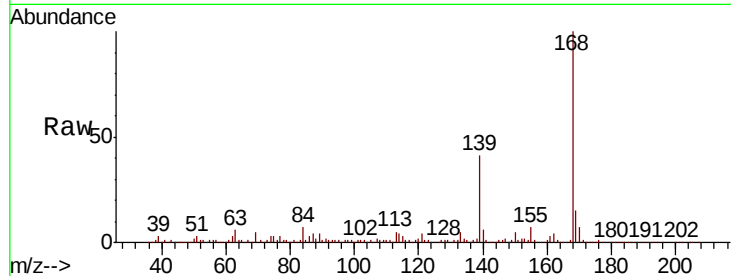
#55
Dibenzofuran
Concen: 45.118 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF114942.D
Acq: 11 Jun 2019 13:26

Instrument :
BNA_F
ClientSampleId :
MW-4A

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.1	33.0	49.4
169	15.2	11.6	17.4

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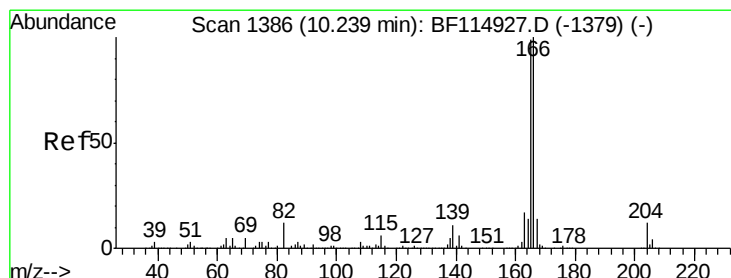
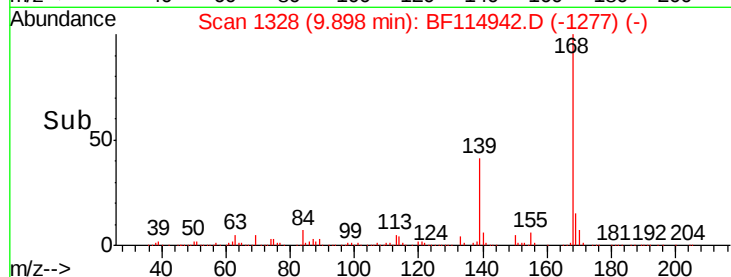
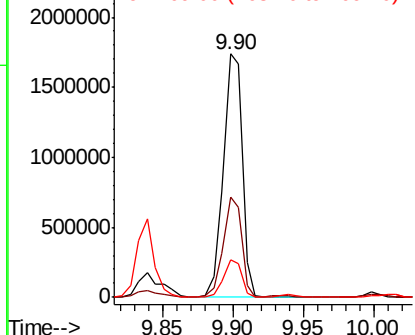


Abundance

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: 40.736 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.00 min
Lab File: BF114942.D
Acq: 11 Jun 2019 13:26

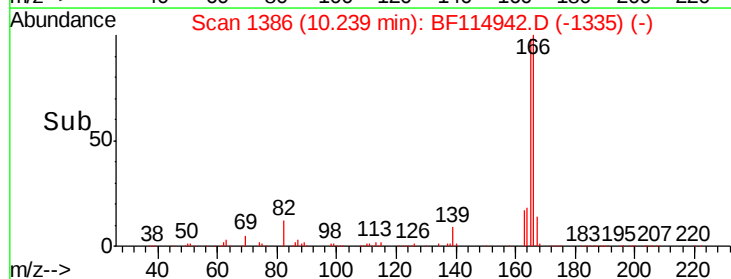
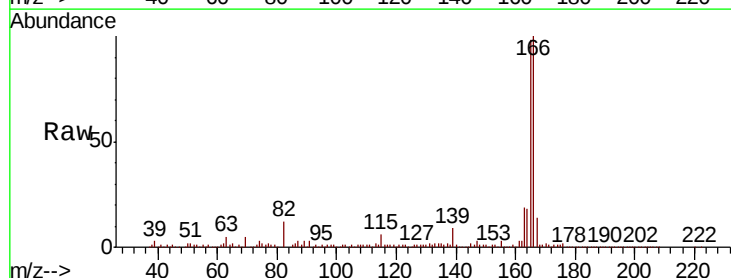
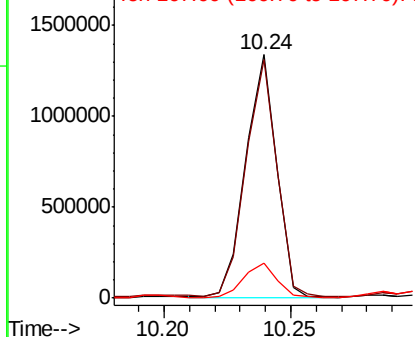
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.2	118.8
167	14.3	11.0	16.6

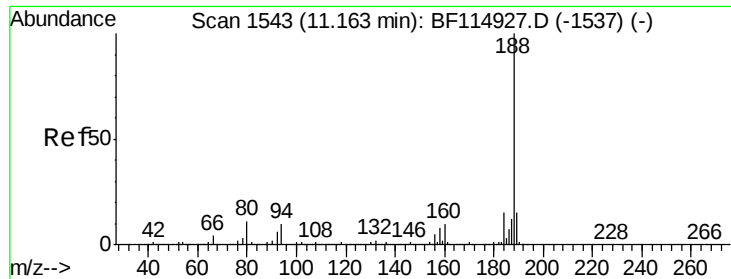
Abundance

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





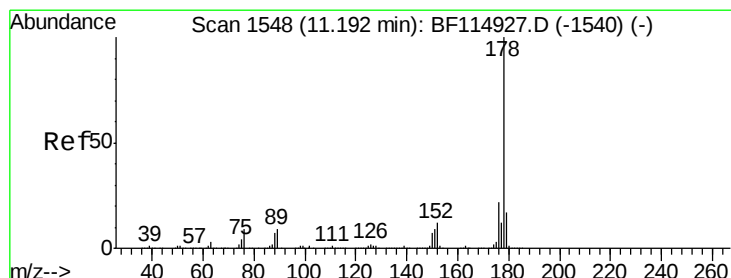
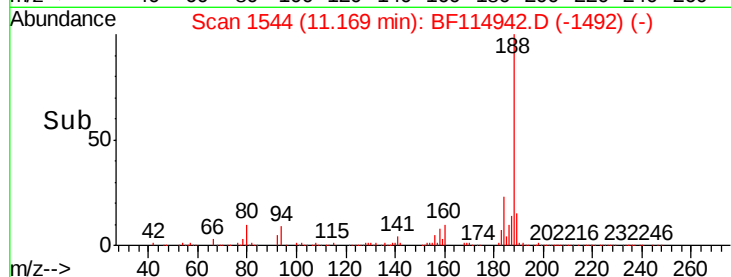
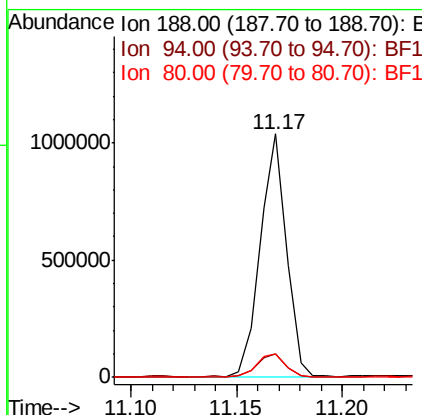
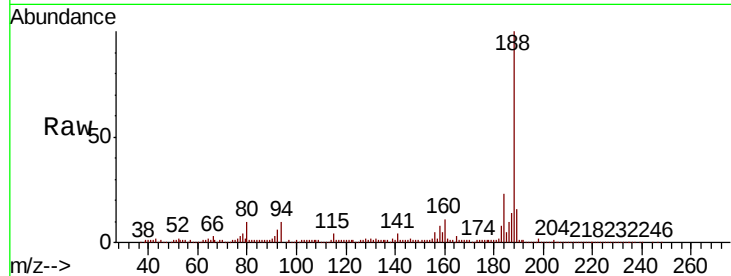
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.01 min
Lab File: BF114942.D
Acq: 11 Jun 2019 13:26

Instrument :
BNA_F
ClientSampled :
MW-4A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	892413		
94	9.7		8.1	12.1
80	9.9		8.6	12.8

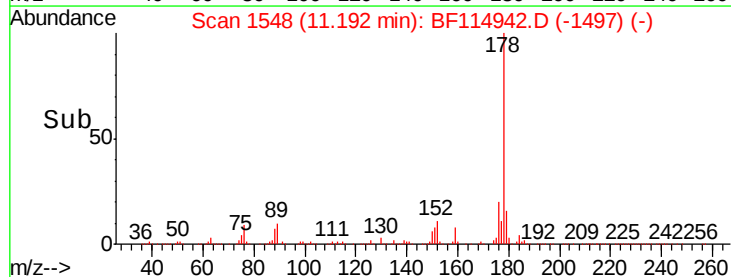
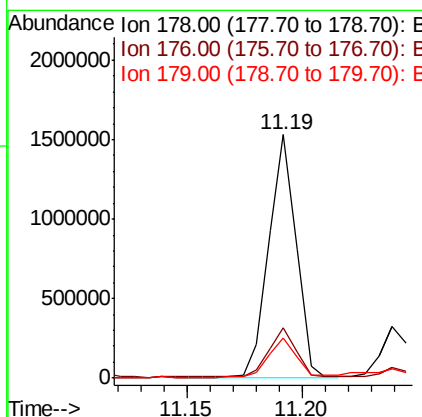
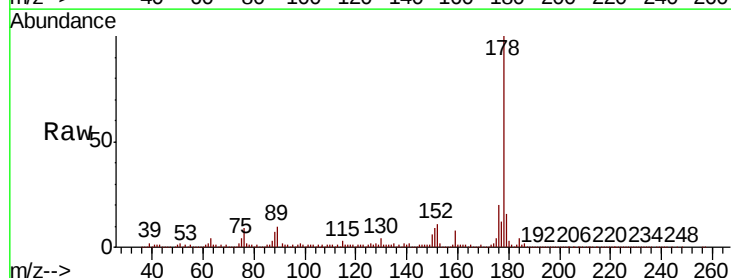
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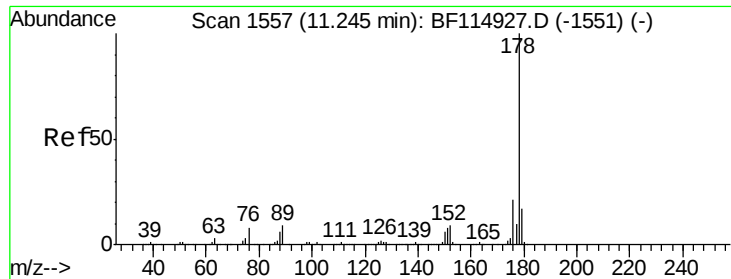
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#71
Phenanthrene
Concen: 29.034 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114942.D
Acq: 11 Jun 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1257100		
176	20.5		17.4	26.2
179	16.4		13.6	20.4





#72

Anthracene

Concen: 5.934 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

Instrument :

BNA_F

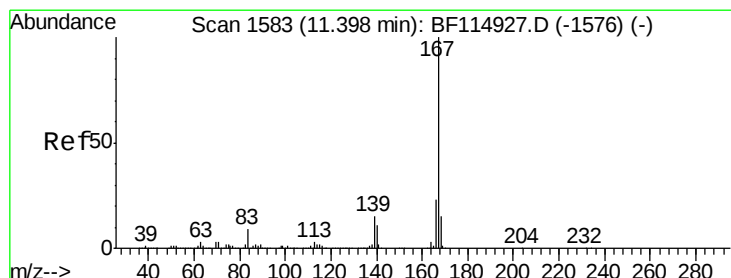
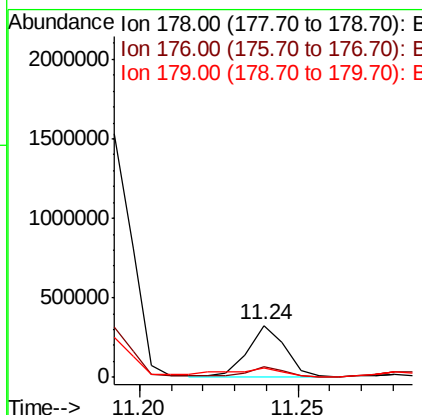
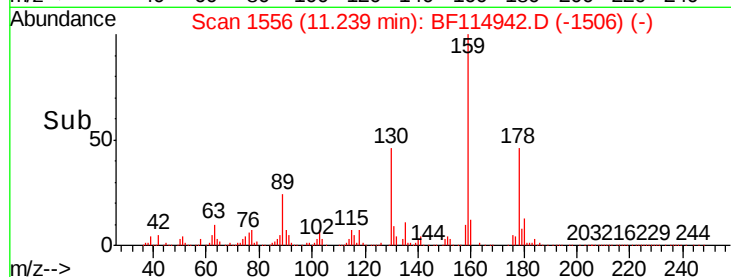
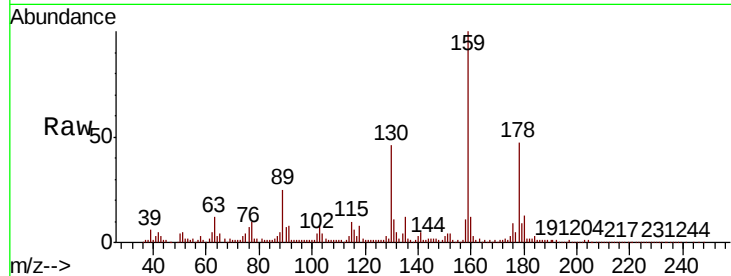
ClientSampleId :

MW-4A

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.8	16.6	25.0	
179	18.6	13.4	20.2	

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#73

Carbazole

Concen: 4.618 ng

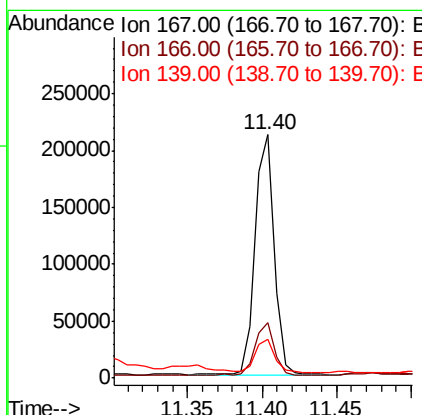
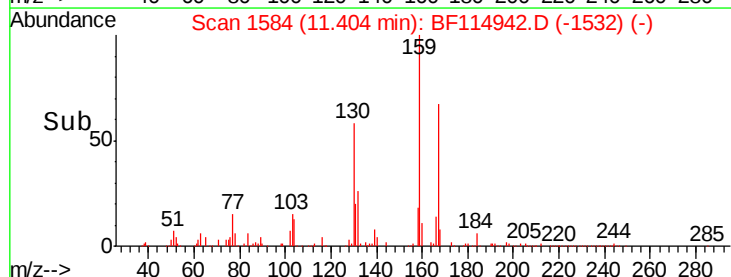
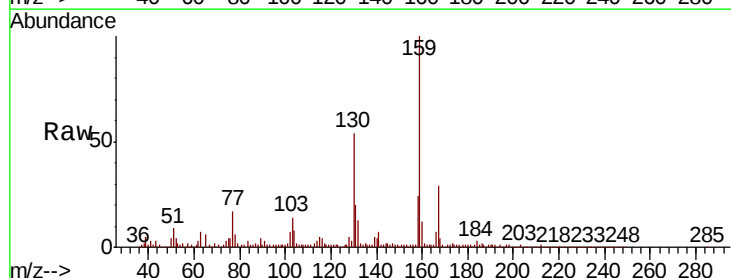
RT: 11.40 min Scan# 1584

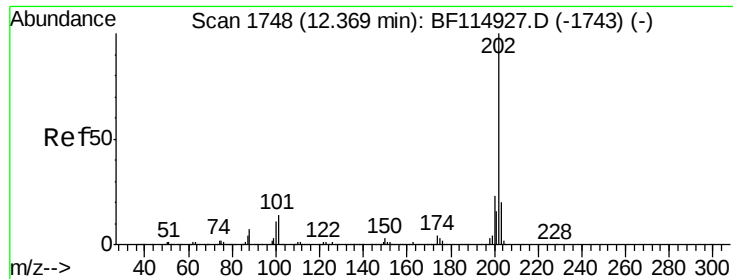
Delta R.T. 0.01 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	22.8	18.8	28.2	
139	15.7	11.6	17.4	





#75

Fluoranthene

Concen: 2.847 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

Instrument :

BNA_F

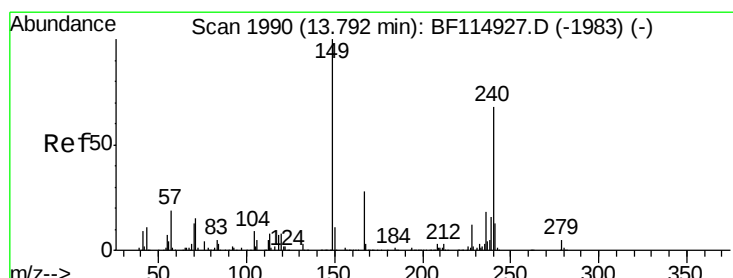
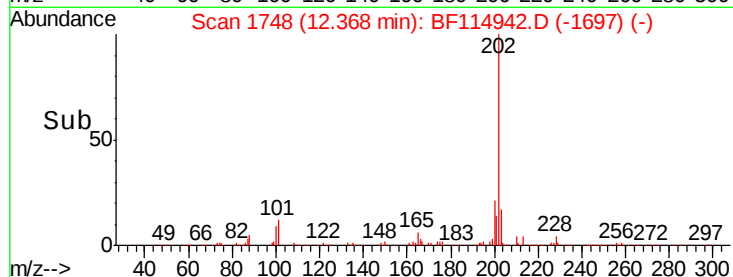
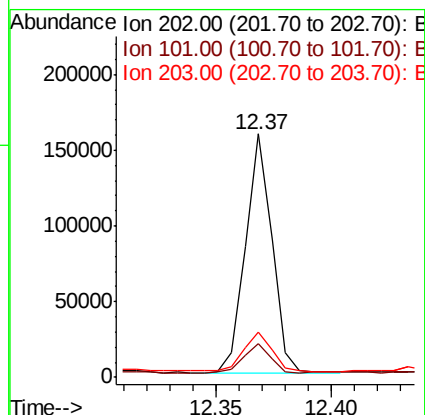
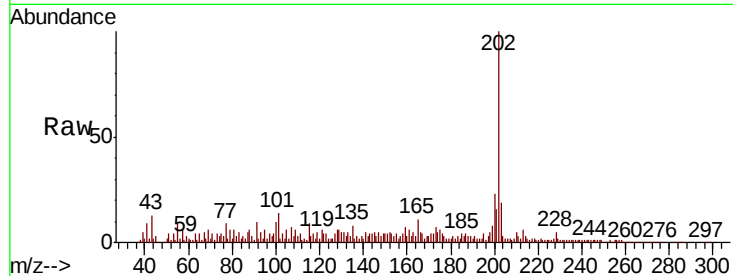
ClientSampleId :

MW-4A

Tot Ion:	202	Resp:	127494
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	34.3
203	18.8	0.0	39.6

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#76

Chrysene-d12

Concen: 20.000 ng

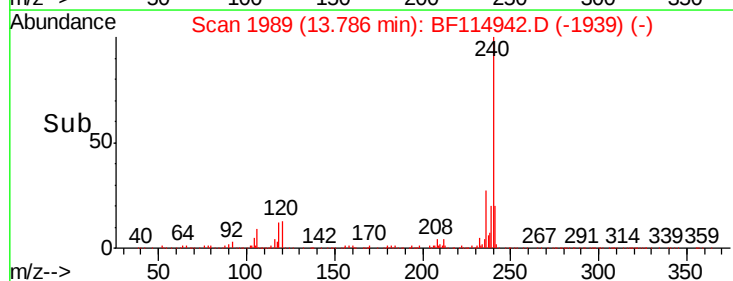
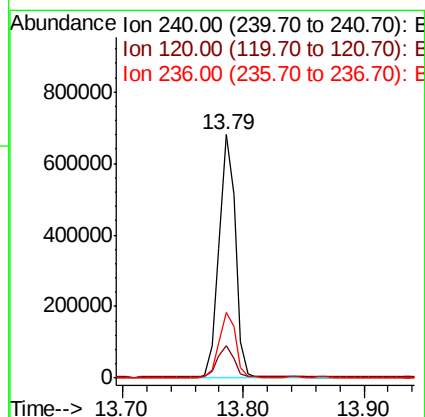
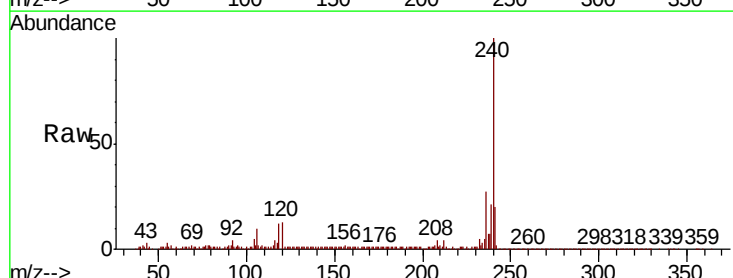
RT: 13.79 min Scan# 1989

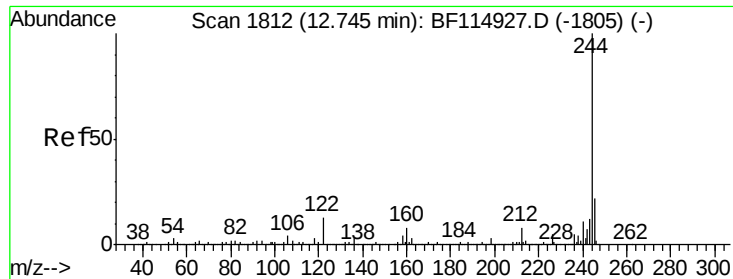
Delta R.T. -0.01 min

Lab File: BF114942.D

Acq: 11 Jun 2019 13:26

Tgt Ion:	240	Resp:	623973
Ion Ratio	Lower	Upper	
240	100		
120	13.3	9.2	13.8
236	27.2	21.7	32.5





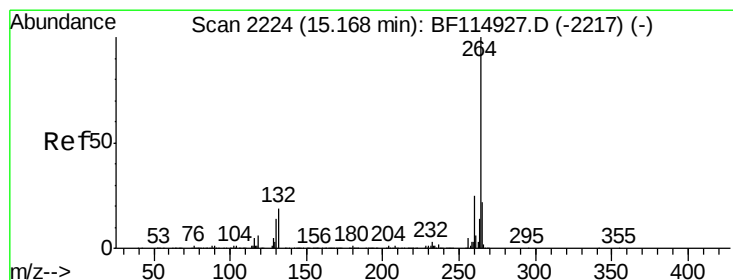
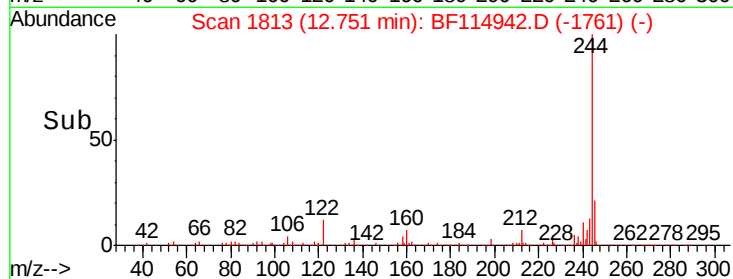
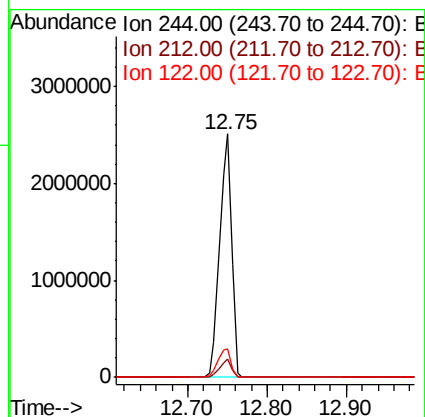
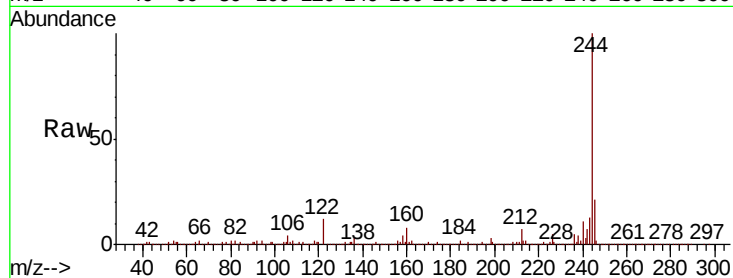
#79
 Terphenyl-d14
 Concen: 83.815 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. 0.01 min
 Lab File: BF114942.D
 Acq: 11 Jun 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 MW-4A

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	12.0	10.2	15.4

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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.17 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BF114942.D
 Acq: 11 Jun 2019 13:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	21.9	17.5	26.3

