

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
 Data File : BF116889.D
 Acq On : 9 Sep 2019 1:02
 Operator : HP/JU
 Sample : K4689-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Manual Integrations
 APPROVED

mohammad
 9/12/2019 9:26:29 AM

Quant Time: Sep 09 15:26:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	79092	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	368983	20.00	ng	0.08
39) Acenaphthene-d10	9.92	164	157505m	20.00	ng	0.04
64) Phenanthrene-d10	11.38	188	216944	20.00	ng	0.01
76) Chrysene-d12	14.00	240	151128	20.00	ng	0.00
87) Perylene-d12	15.46	264	173236	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	346889m	71.05	ng	0.08
7) Phenol-d6	6.56	99	256693	40.04	ng	0.08
23) Nitrobenzene-d5	7.45	82	730796	113.07	ng	0.04
42) 2,4,6-Tribromophenol	10.71	330	167380	158.96	ng	0.04
45) 2-Fluorobiphenyl	9.25	172	772395	82.72	ng	0.04
79) Terphenyl-d14	12.95	244	673138	82.40	ng	0.00
Target Compounds						
3) Pyridine	3.34	79	39486	6.051	ng	94
6) Aniline	6.53	93	633666	71.367	ng	96
10) Phenol	6.58	94	262714	37.009	ng	85
13) 1,4-Dichlorobenzene	6.87	146	29686m	4.950	ng	
17) 2-Methylphenol	7.19	107	913964m	195.903	ng	
20) 3+4-Methylphenols	7.37	107	3317330m	611.544	ng	
27) 2,4-Dimethylphenol	7.92	122	5774844m	1169.990	ng	
31) Naphthalene	8.27	128	30646965m	1746.713	ng	
37) 2-Methylnaphthalene	8.93	142	5405686m	463.055	ng	
38) 1-Methylnaphthalene	9.03	142	4031133	365.796	ng	99
46) 1,1'-Biphenyl	9.35	154	1011014	84.592	ng	97
52) Acenaphthene	9.96	154	925648	105.281	ng	99
55) Dibenzofuran	10.13	168	928019	74.874	ng	98
58) Fluorene	10.46	166	374339m	39.638	ng	
71) Phenanthrene	11.40	178	178787	14.805	ng	97
72) Anthracene	11.46	178	67678m	5.567	ng	
73) Carbazole	11.62	167	347425	30.002	ng	98

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

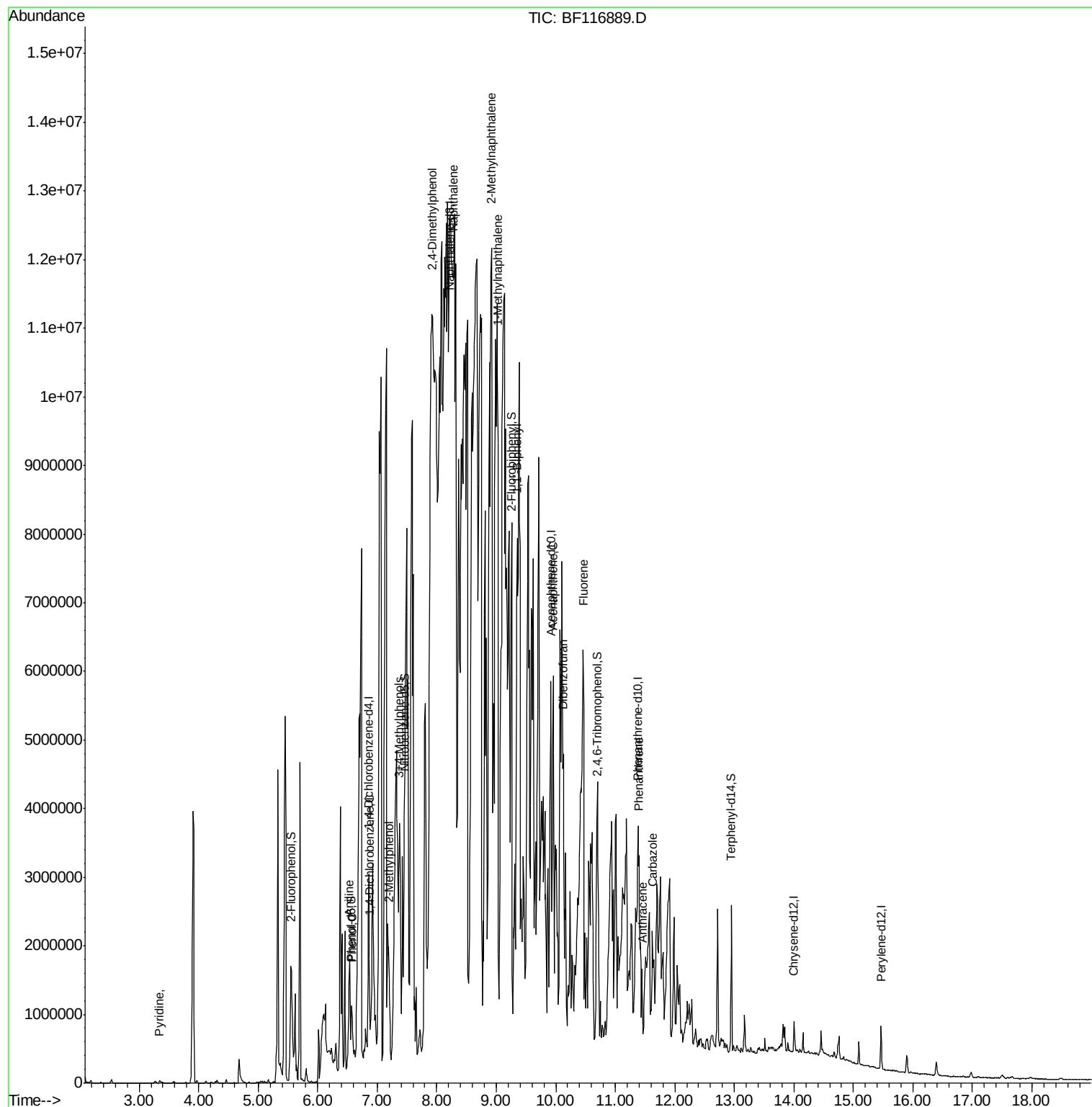
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
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ALS Vial : 9 Sample Multiplier: 1

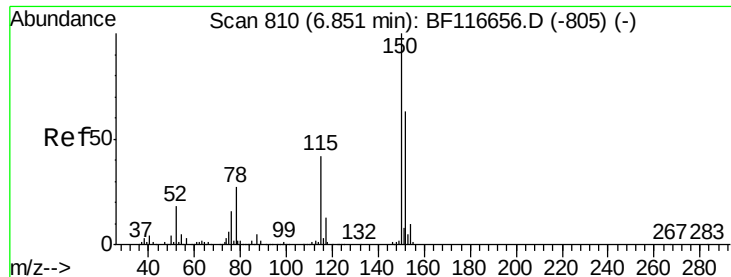
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

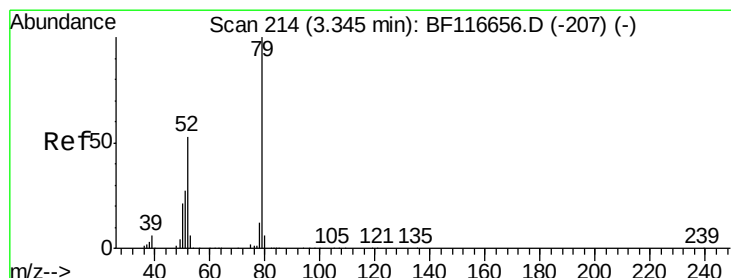
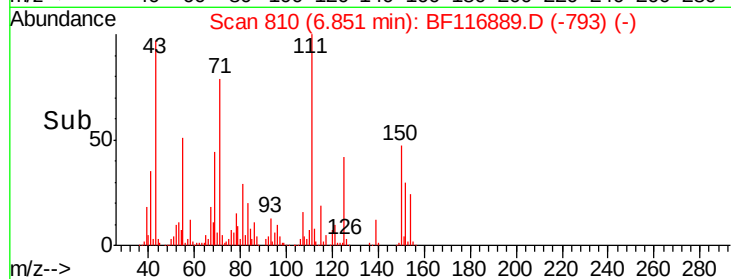
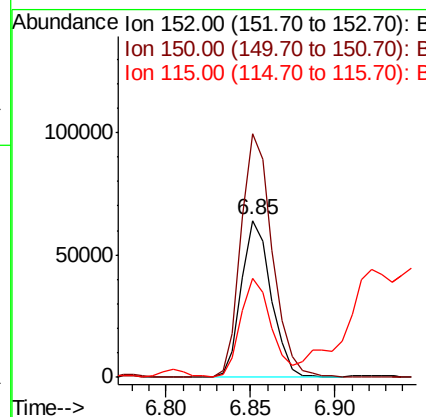
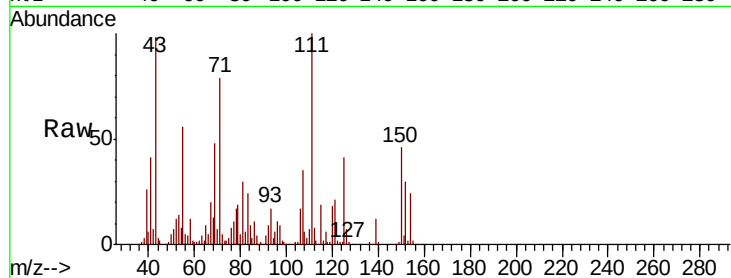
ClientSampleId :

MW-1A

Tot Ion:	152	Resp:	79092
Ion Ratio	Lower	Upper	
152	100		
150	155.1	124.4	186.6
115	63.4	49.9	74.9

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#3

Pyridine

Concen: 6.051 ng

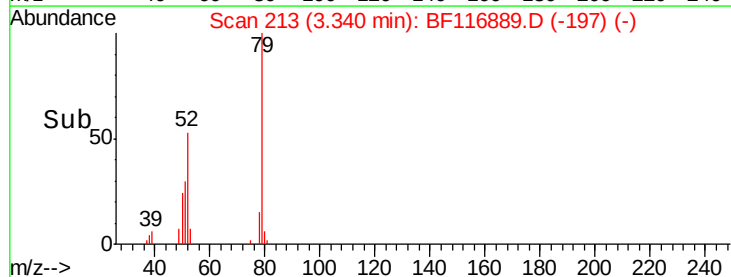
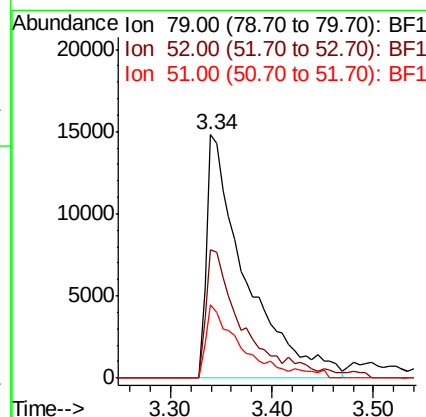
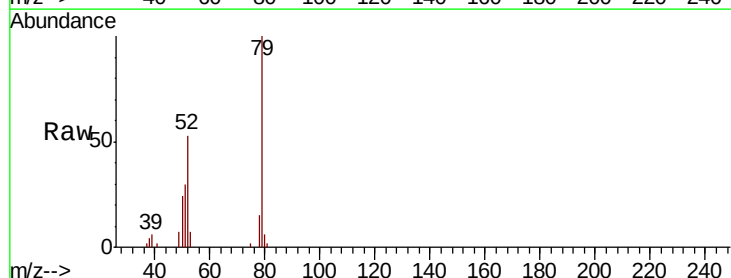
RT: 3.34 min Scan# 213

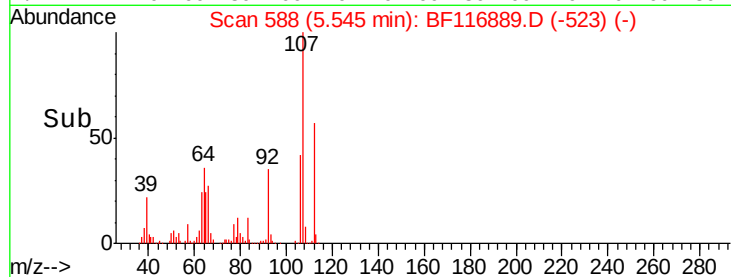
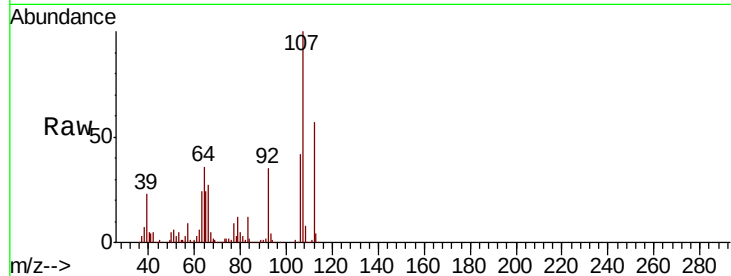
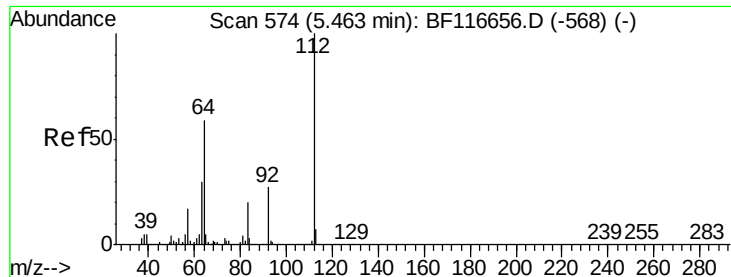
Delta R.T. -0.01 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Tgt Ion:	79	Resp:	39486
Ion Ratio	Lower	Upper	
79	100		
52	52.9	47.4	71.0
51	30.2	24.1	36.1





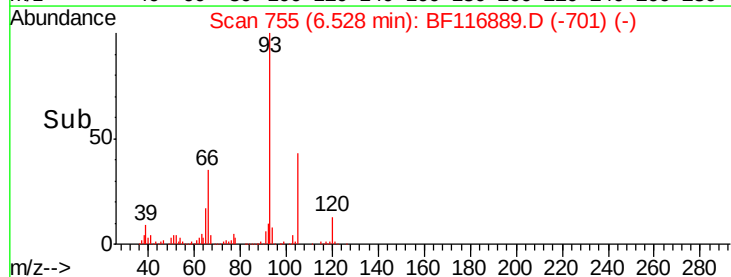
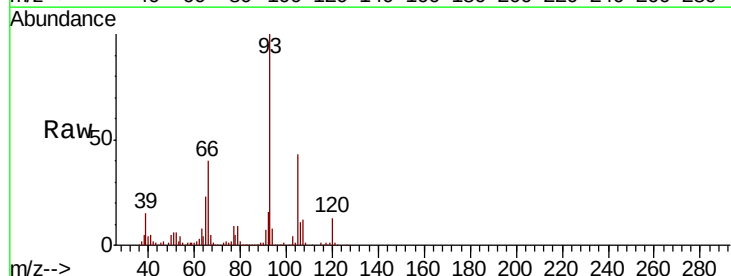
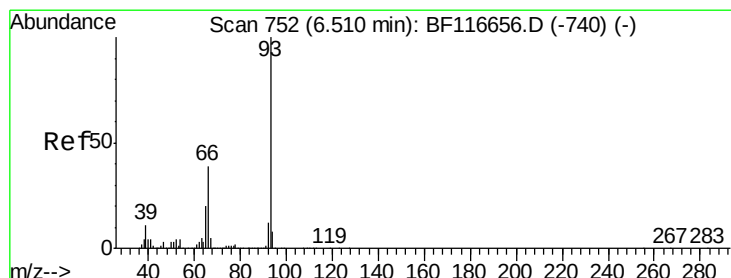
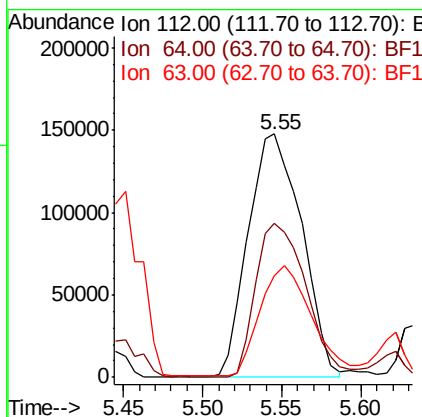
#5
2-Fluorophenol
Concen: 71.054 ng/ml
RT: 5.55 min Scan# 588
Delta R.T. 0.08 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	63.0	47.1	70.7
63	41.9	24.9	37.3

Instrument :
BNA_F
ClientSampleId :
MW-1A

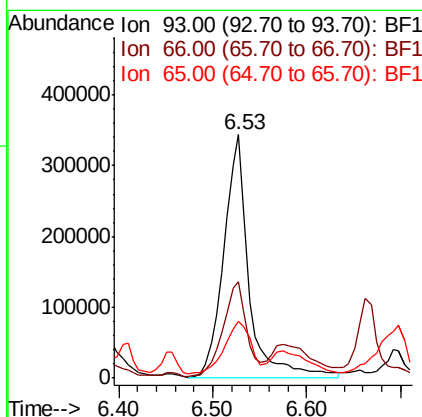
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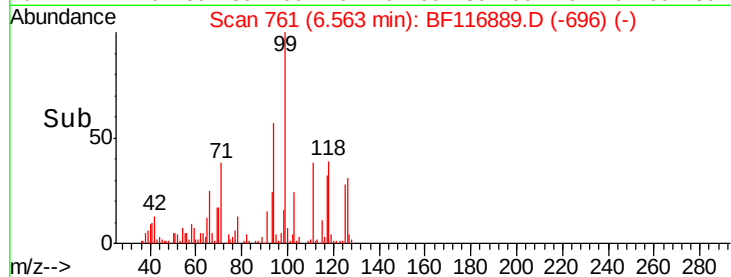
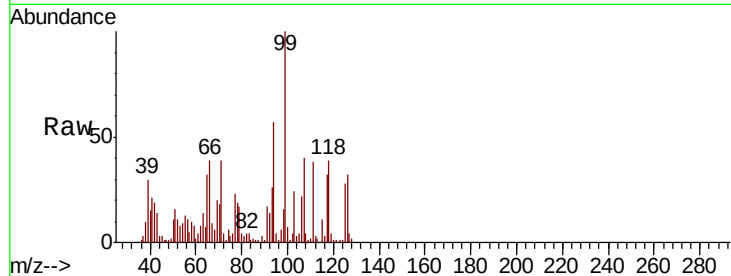
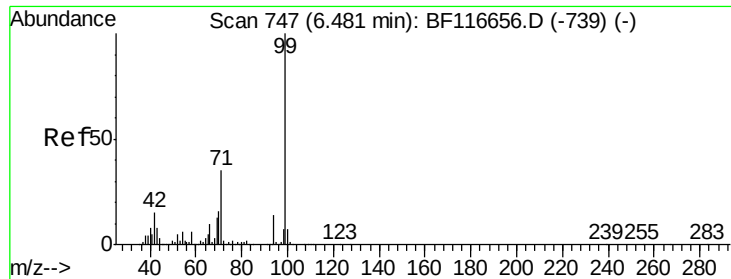
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#6
Aniline
Concen: 71.367 ng/ml
RT: 6.53 min Scan# 755
Delta R.T. 0.02 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	39.6	32.7	49.1
65	23.4	16.3	24.5





#7

Phenol-d6

Concen: 40.042 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.08 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Tot Ion:	99	Resp:	256693
Ion Ratio	Lower	Upper	
99	100		
42	19.2	13.7	20.5
71	38.7	30.8	46.2

Instrument :

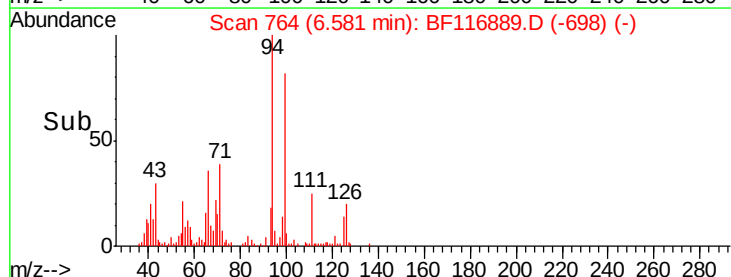
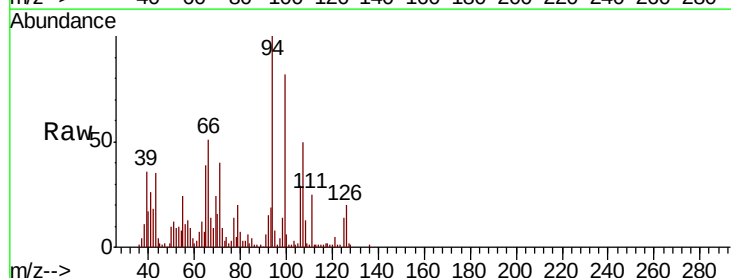
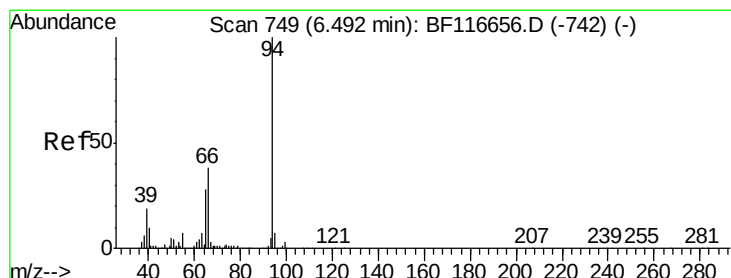
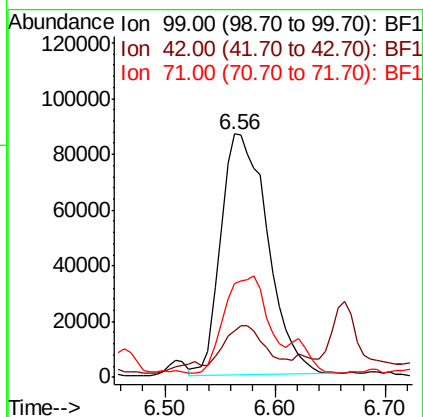
BNA_F

ClientSampled :

MW-1A

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#10

Phenol

Concen: 37.009 ng

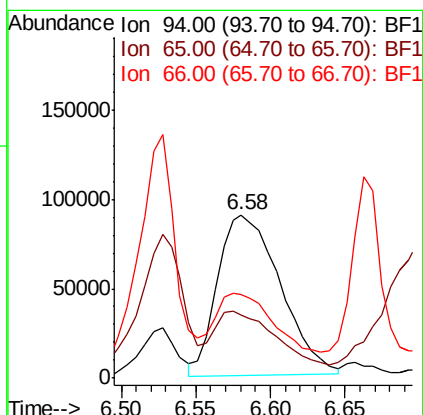
RT: 6.58 min Scan# 764

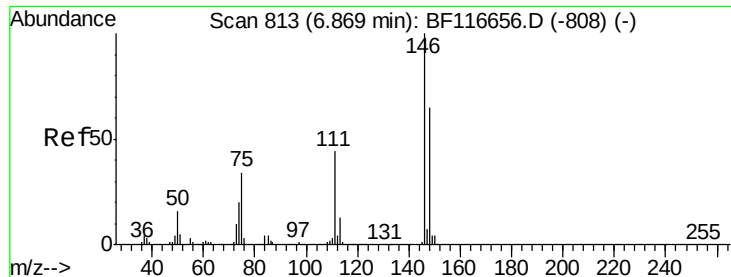
Delta R.T. 0.09 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Tgt Ion:	94	Resp:	262714
Ion Ratio	Lower	Upper	
94	100		
65	38.8	10.8	50.8
66	51.0	21.1	61.1





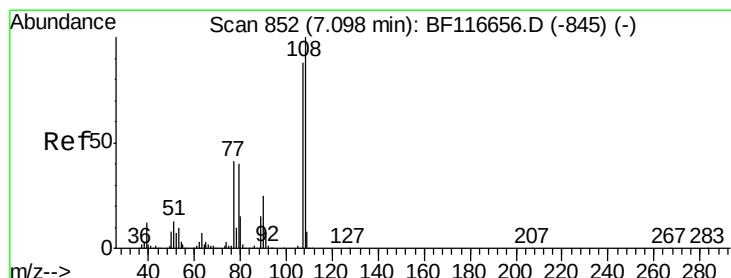
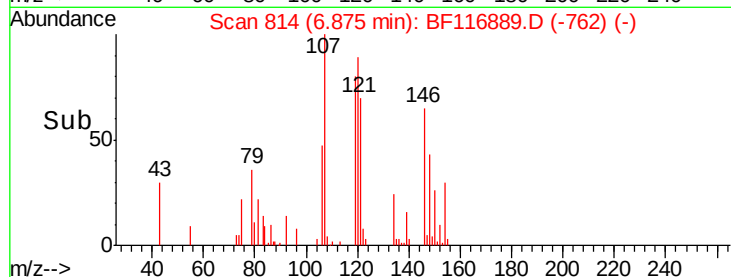
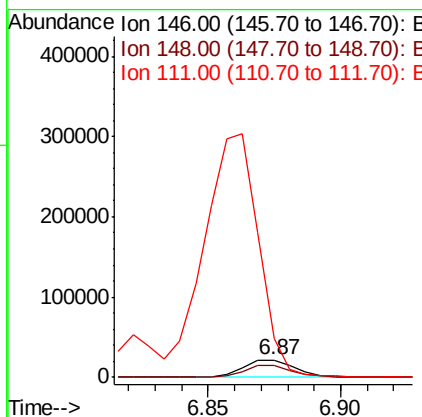
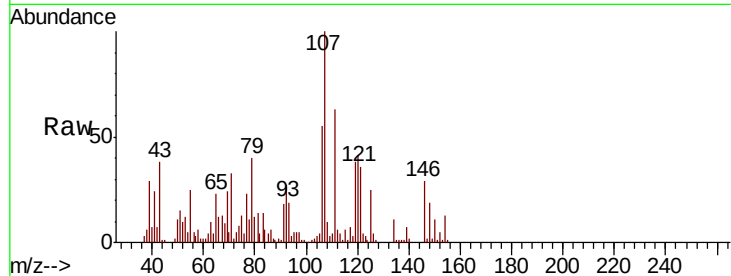
#13
 1,4-Dichlorobenzene
 Concen: 4.950 ng m
 RT: 6.87 min Scan# 814
 Delta R.T. 0.01 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.8	51.4	77.2
111	220.1	34.8	52.2#

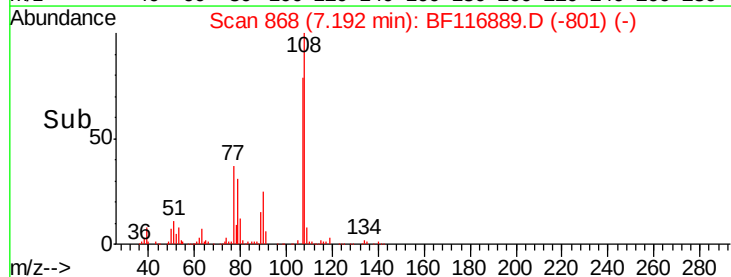
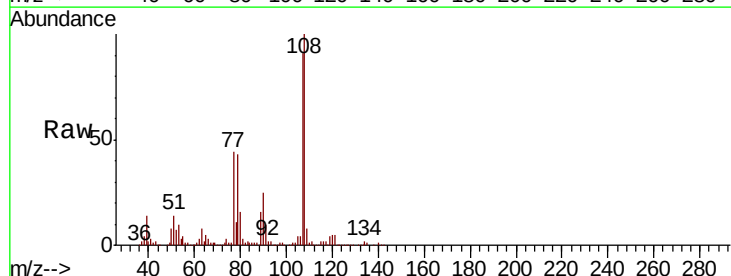
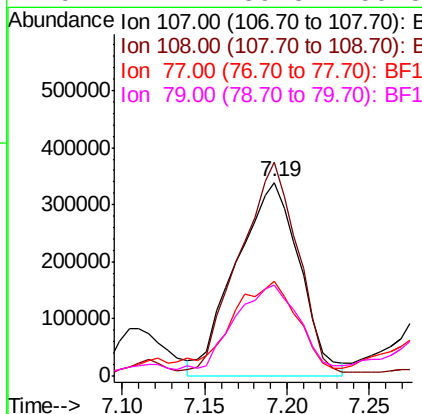
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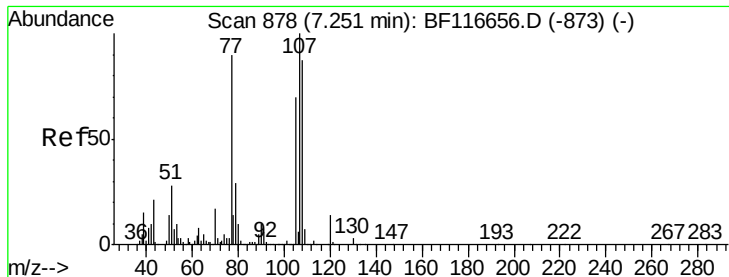
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#17
 2-Methylphenol
 Concen: 195.903 ng m
 RT: 7.19 min Scan# 868
 Delta R.T. 0.09 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	110.4	88.3	132.5
77	48.8	39.9	59.9
79	47.1	39.8	59.8





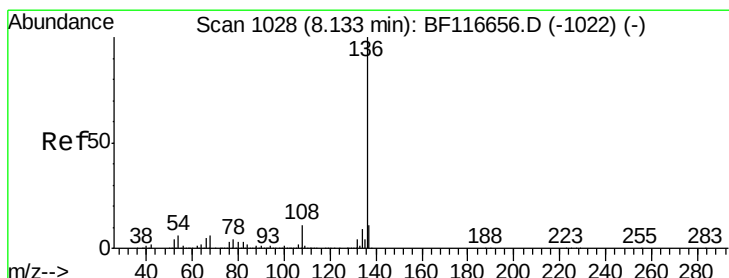
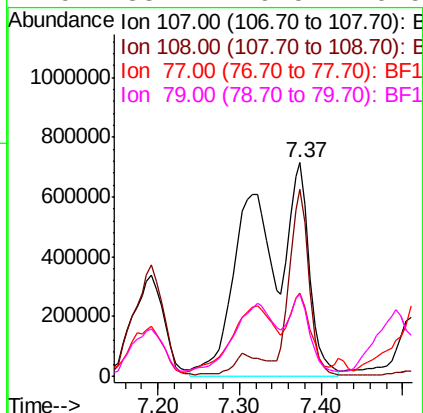
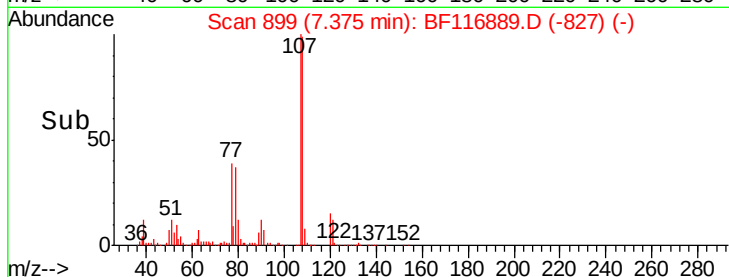
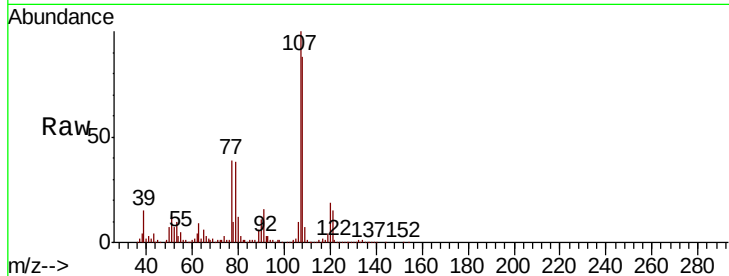
#20
3+4-Methylphenols
Concen: 611.544 ng m
RT: 7.37 min Scan# 899
Delta R.T. 0.12 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Instrument :
BNA_F
ClientSampled :
MW-1A

Tot Ion	Ratio	Lower	Upper
107	100		
108	87.6	65.5	105.5
77	39.1	69.4	109.4#
79	38.2	9.5	49.5

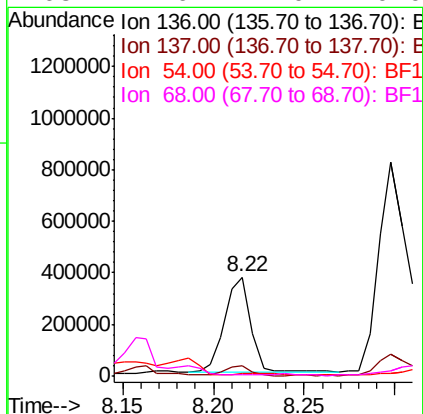
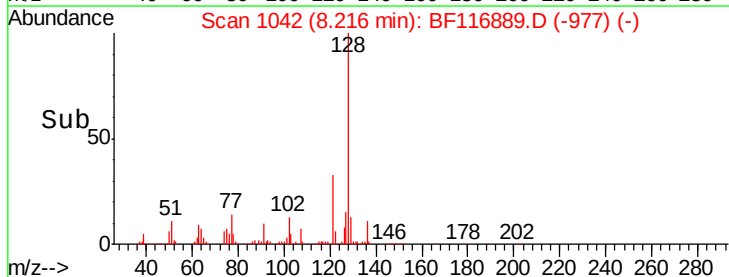
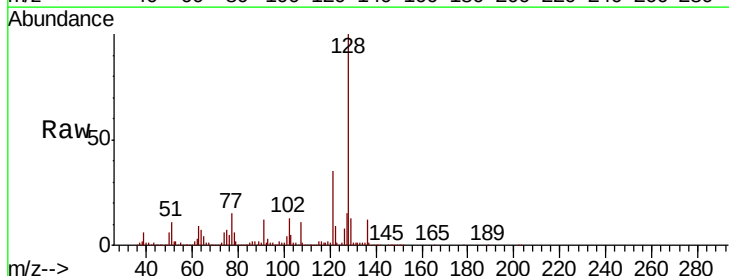
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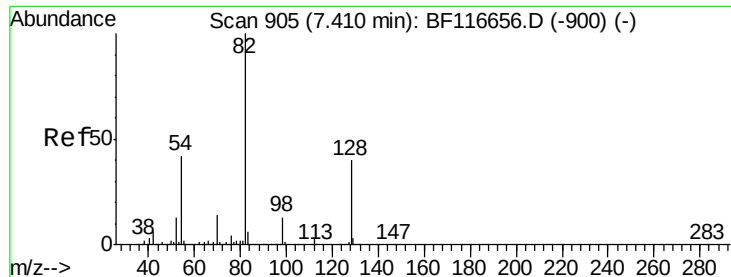
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. 0.08 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.9	13.3
54	2.2	4.8	7.2#
68	1.6	4.0	6.0#





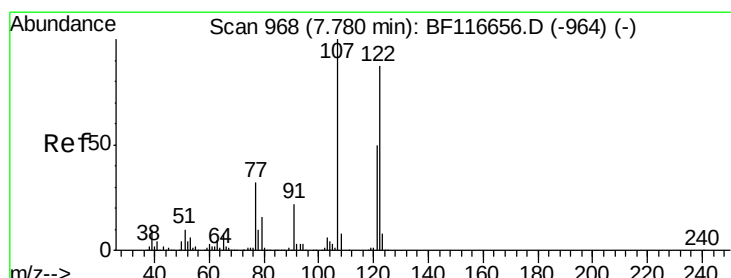
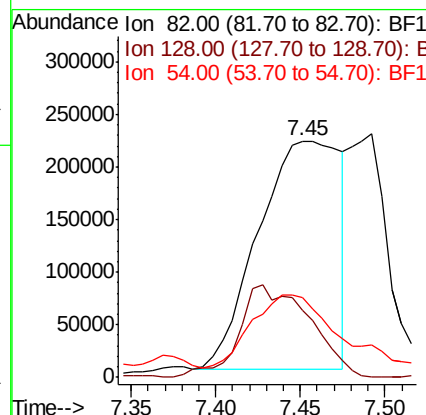
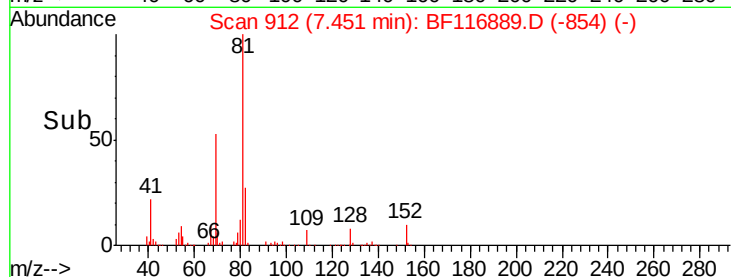
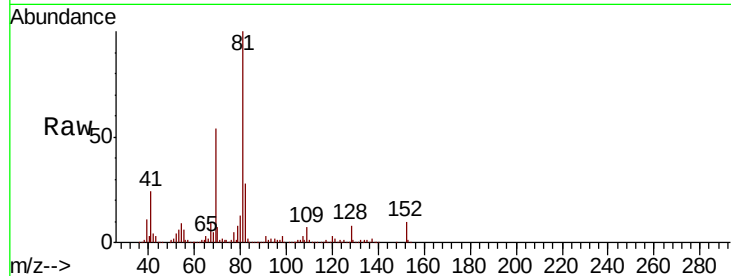
#23
 Nitrobenzene-d5
 Concen: 113.065 ng
 RT: 7.45 min Scan# 912
 Delta R.T. 0.04 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Tot Ion	Ratio	Lower	Upper
82	100		
128	28.4	32.8	49.2#
54	33.5	36.9	55.3#

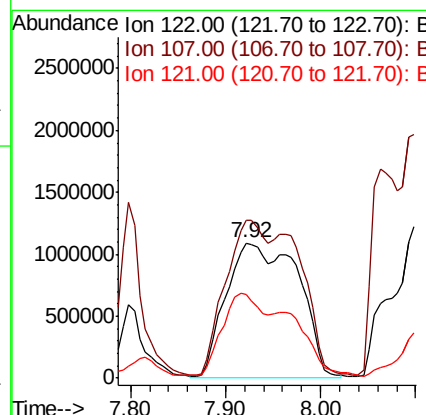
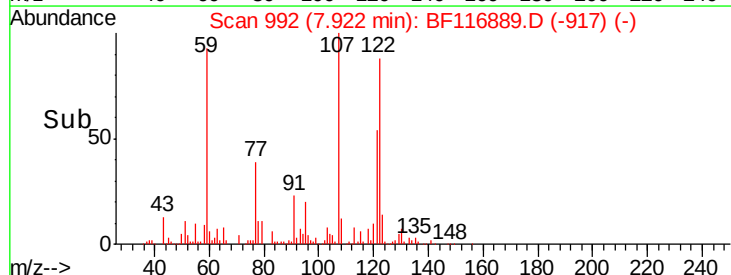
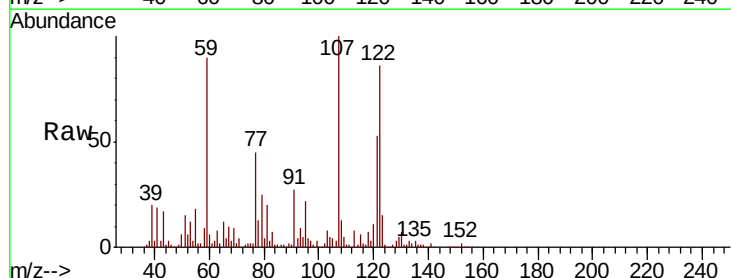
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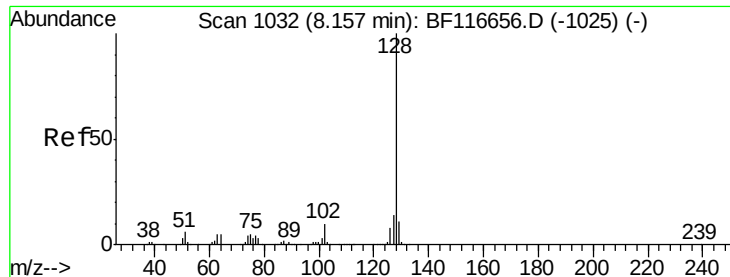
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#27
 2,4-Dimethylphenol
 Concen: 1169.990 ng m
 RT: 7.92 min Scan# 992
 Delta R.T. 0.14 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
122	100		
107	116.6	98.1	147.1
121	61.6	47.3	70.9





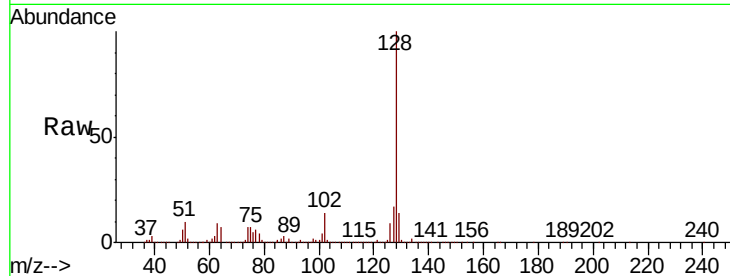
#31
Naphthalene
Concen: 1746.713 ng m
RT: 8.27 min Scan# 1052
Delta R.T. 0.12 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Instrument :
BNA_F
ClientSampleId :
MW-1A

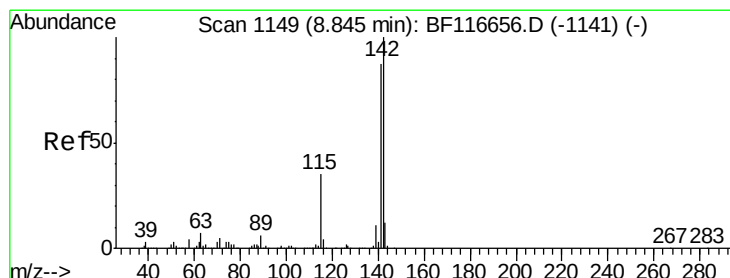
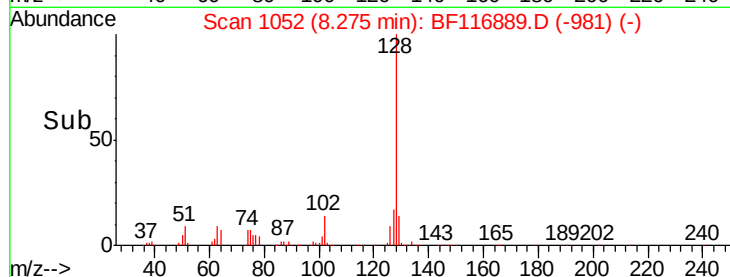
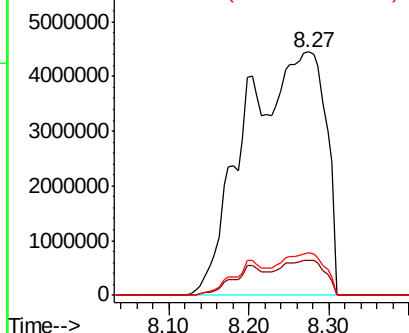
Tot Ion:128 Resp:30646965
Ion Ratio Lower Upper
128 100
129 14.4 8.6 13.0#
127 17.3 10.4 15.6#

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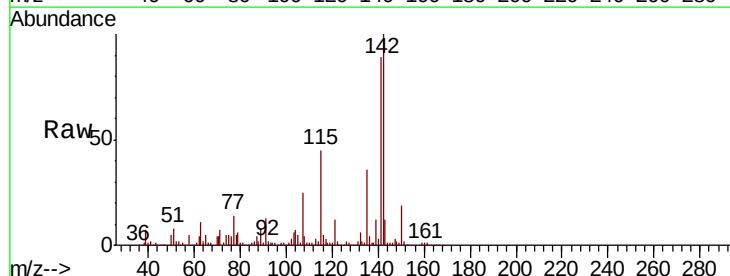


Abundance Ion 128.00 (127.70 to 128.70): E
6000000 Ion 129.00 (128.70 to 129.70): E
5000000 Ion 127.00 (126.70 to 127.70): E

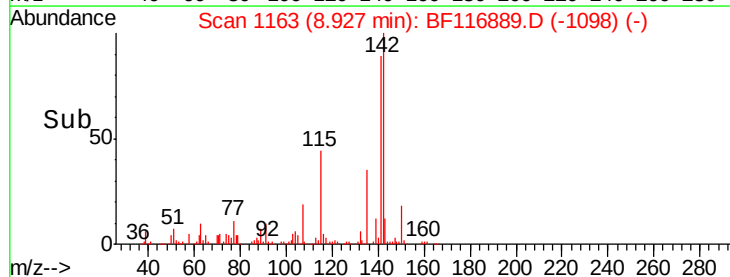
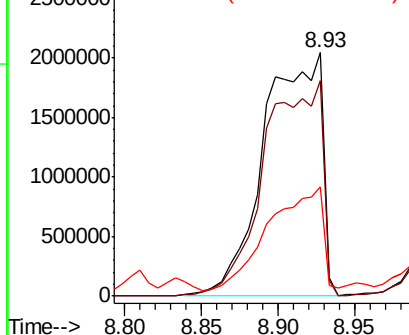


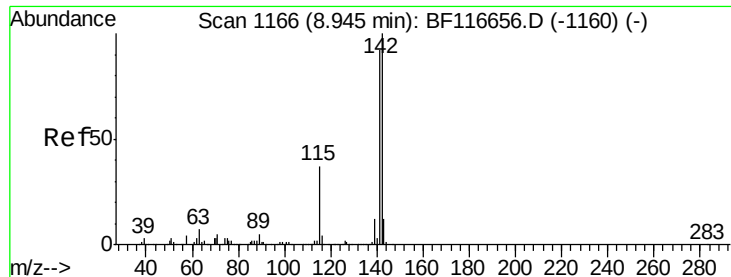
#37
2-Methylnaphthalene
Concen: 463.055 ng m
RT: 8.93 min Scan# 1163
Delta R.T. 0.08 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion:142 Resp: 5405686
Ion Ratio Lower Upper
142 100
141 88.6 72.6 109.0
115 44.9 29.8 44.6#



Abundance Ion 142.00 (141.70 to 142.70): E
2500000 Ion 141.00 (140.70 to 141.70): E
2000000 Ion 115.00 (114.70 to 115.70): E





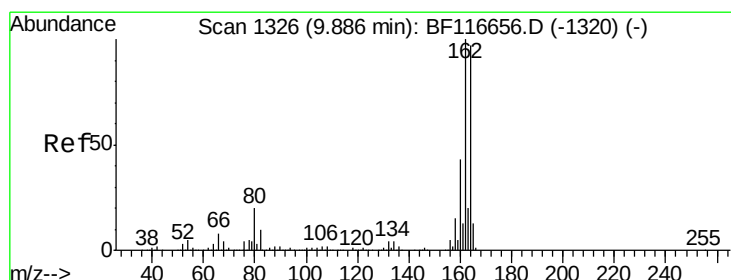
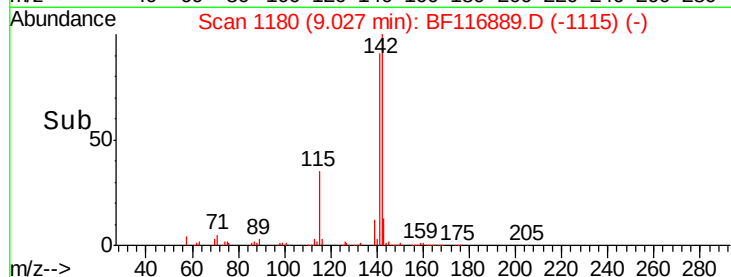
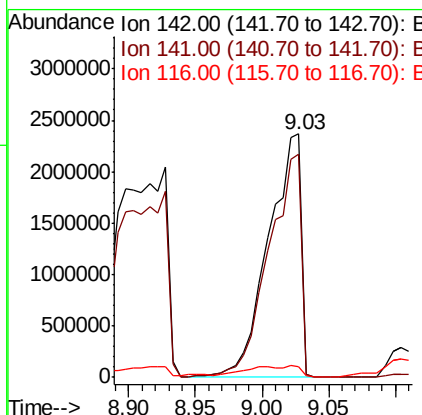
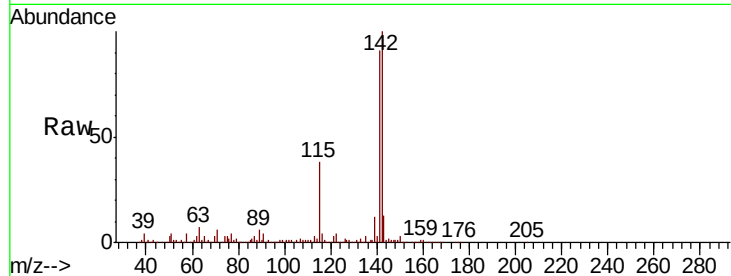
#38
1-Methylnaphthalene
Concen: 365.796 ng
RT: 9.03 min Scan# 1180
Delta R.T. 0.08 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.9	110.9
116	4.3	3.0	4.6

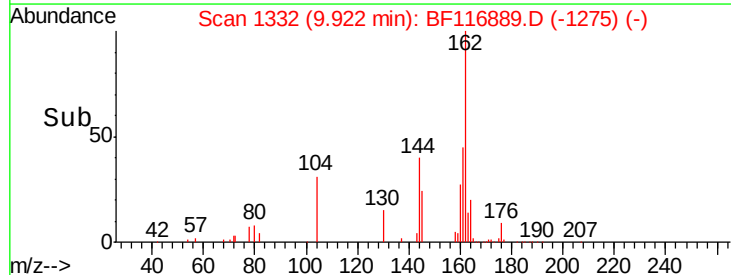
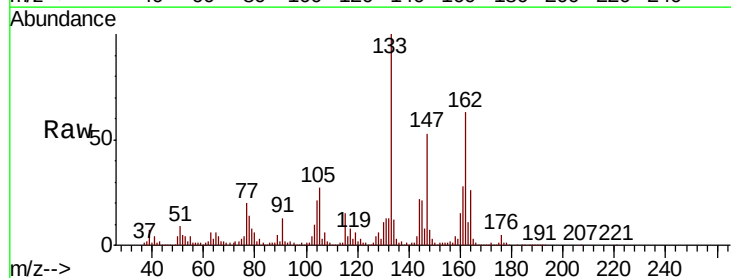
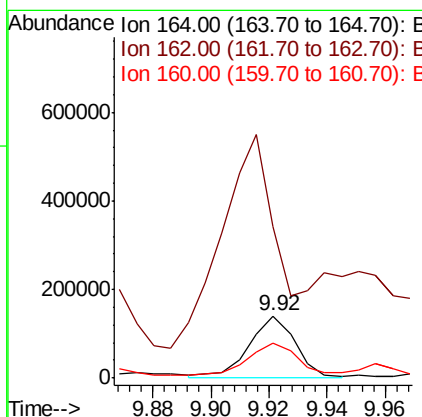
Manual Integrations
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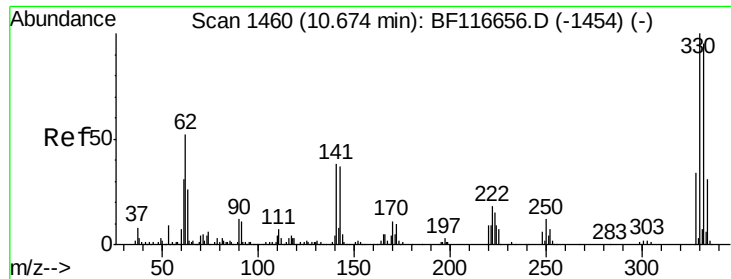
mohammad
9/12/2019 9:26:29 AM



#39
Acenaphthene-d10
Concen: 20.000 ng m
RT: 9.92 min Scan# 1332
Delta R.T. 0.04 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	243.2	81.4	122.0#
160	55.7	35.4	53.2#





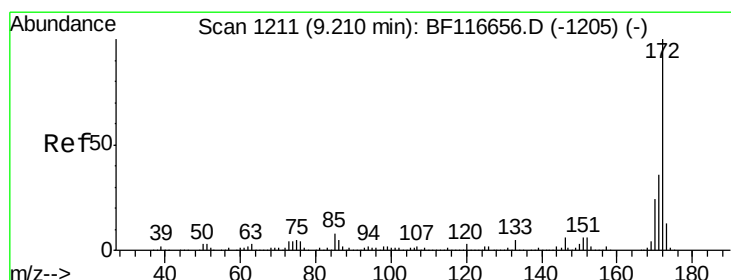
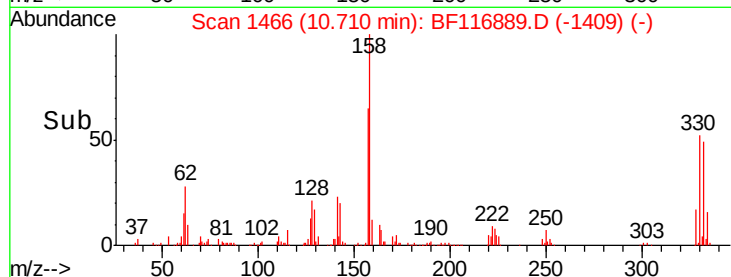
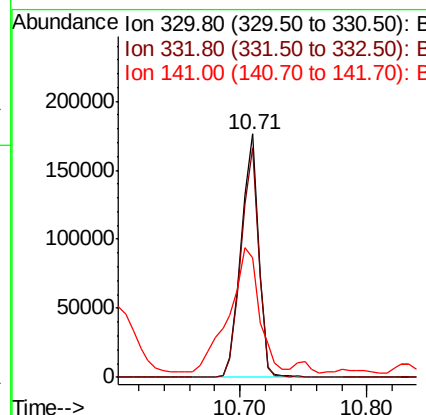
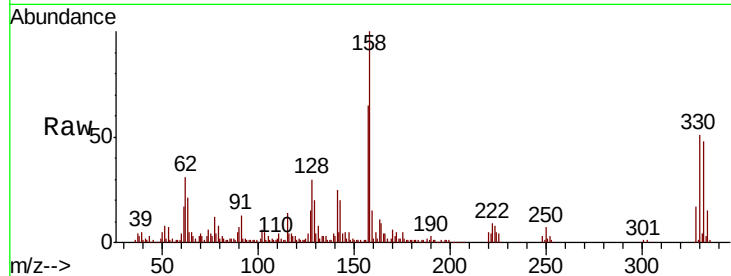
#42
 2,4,6-Tribromophenol
 Concen: 158.962 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.04 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Instrument :
 BNA_F
 ClientSampled :
 MW-1A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	167380		
332	95.2	76.9	115.3	
141	89.2	31.4	47.2#	

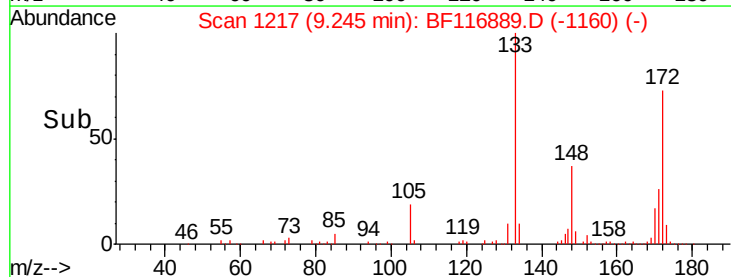
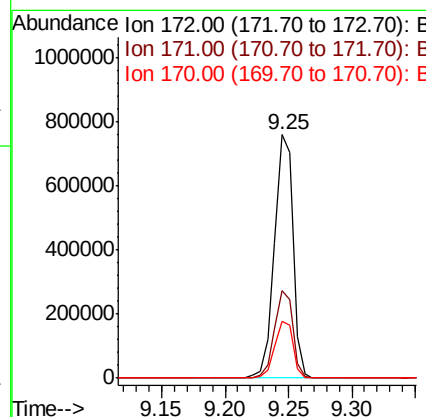
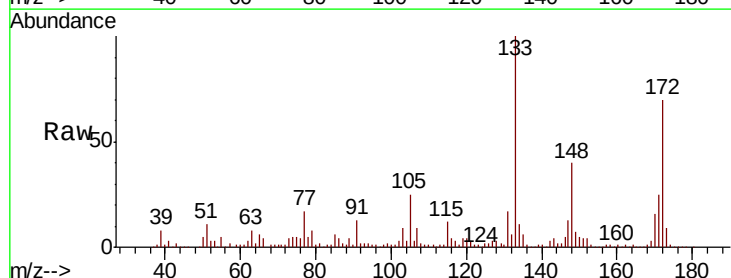
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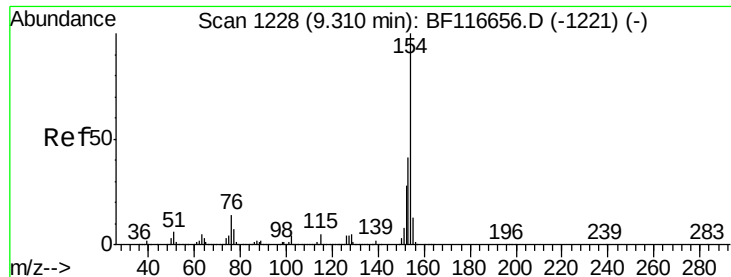
mohammad
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#45
 2-Fluorobiphenyl
 Concen: 82.724 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.04 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	772395		
171	35.8	27.8	41.6	
170	23.0	18.9	28.3	





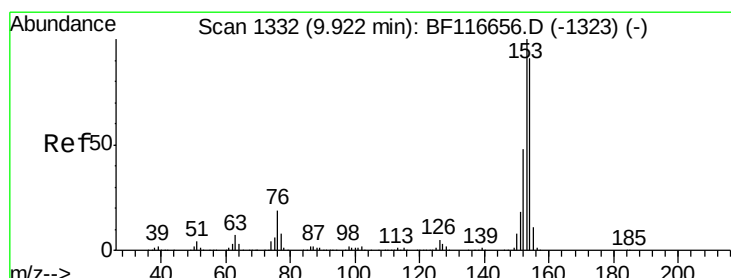
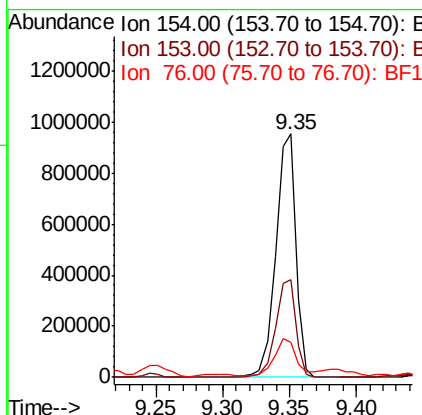
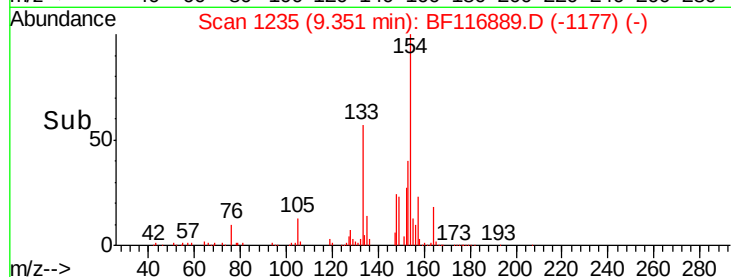
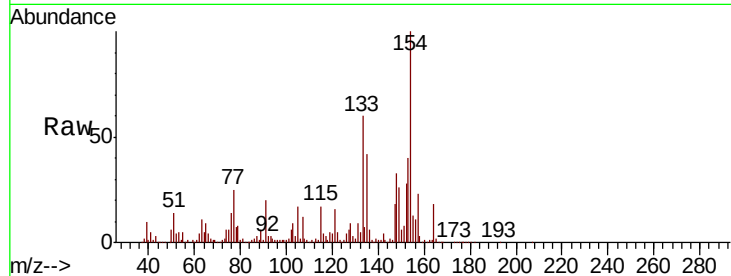
#46
 1,1'-Biphenyl
 Concen: 84.592 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. 0.04 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Instrument :
 BNA_F
 ClientSampled :
 MW-1A

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.1	21.2	61.2
76	14.4	0.0	30.9

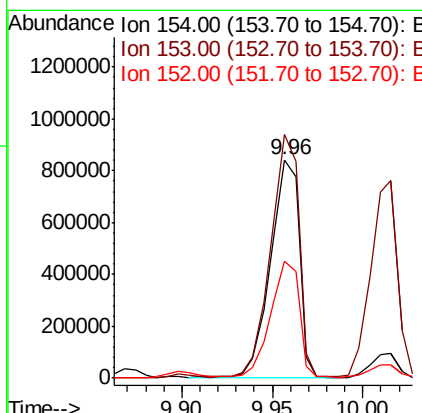
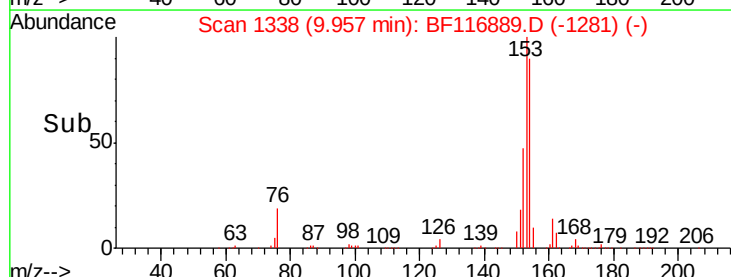
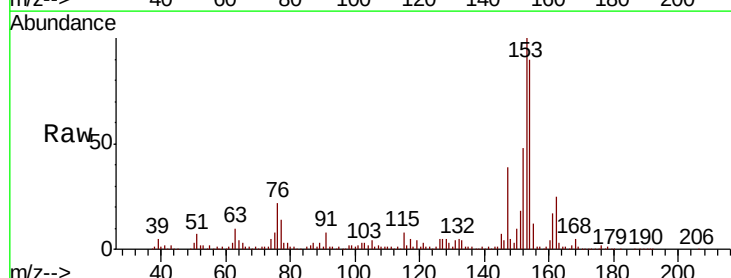
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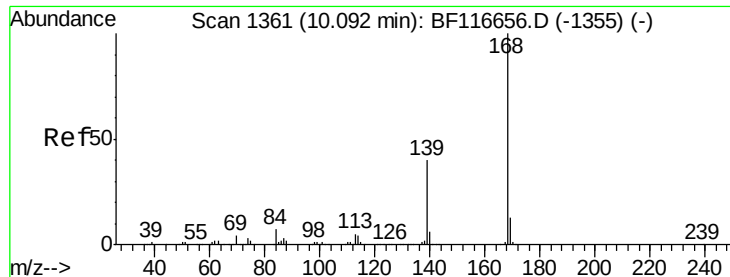
mohammad
 9/12/2019 9:26:29 AM



#52
 Acenaphthene
 Concen: 105.281 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. 0.04 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.5	134.3
152	53.4	41.9	62.9





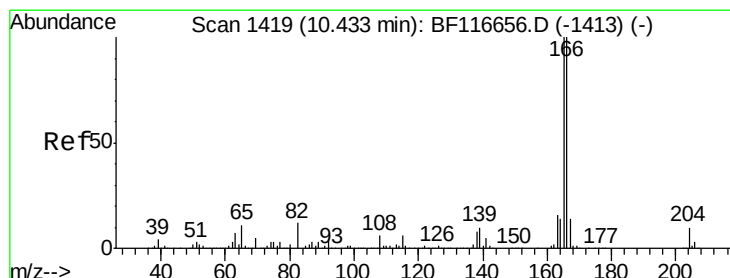
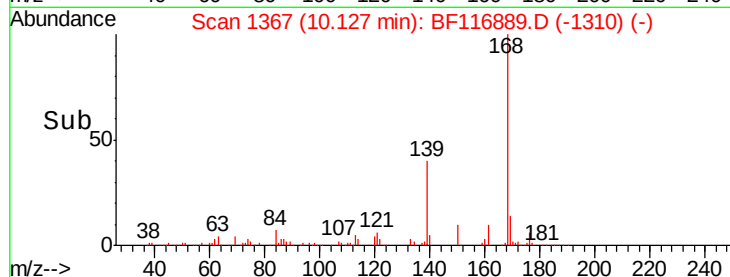
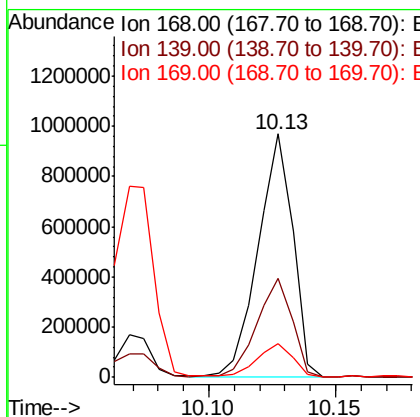
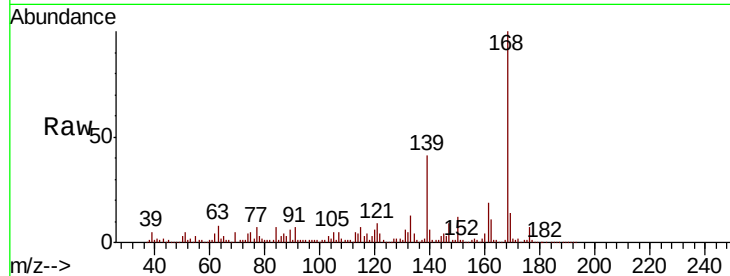
#55
Dibenzenofuran
Concen: 74.874 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.04 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.9	31.5	47.3
169	13.6	10.3	15.5

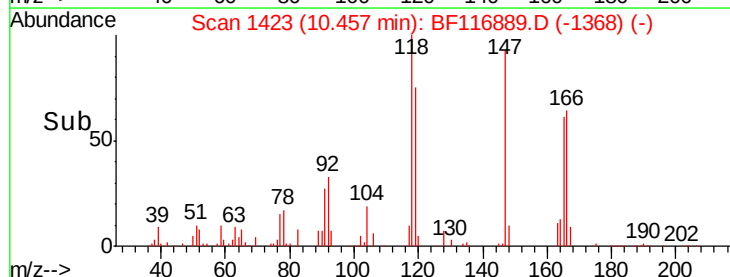
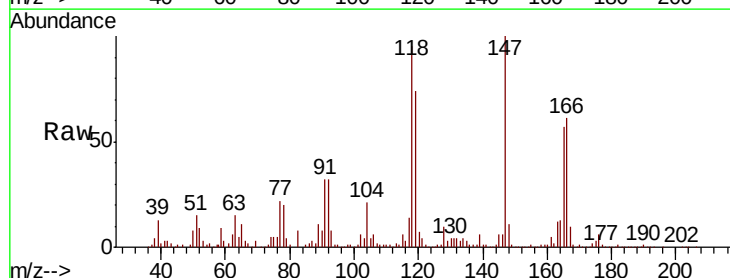
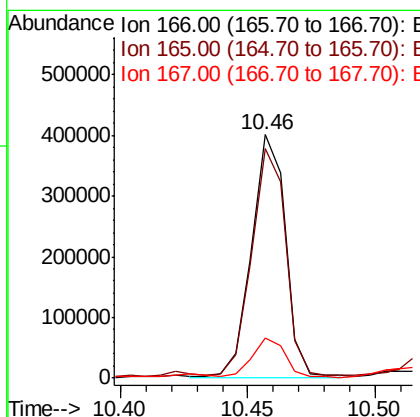
Manual Integrations
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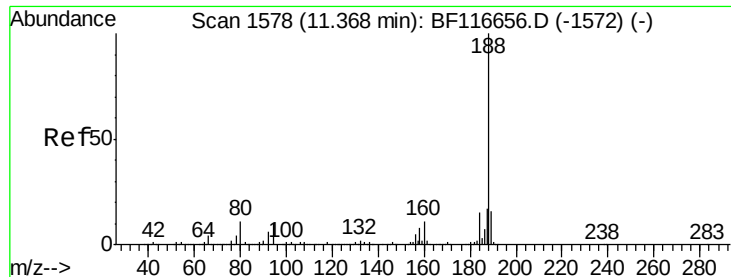
mohammad
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#58
Fluorene
Concen: 39.638 ng m
RT: 10.46 min Scan# 1423
Delta R.T. 0.02 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.3	78.8	118.2
167	16.3	10.0	15.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

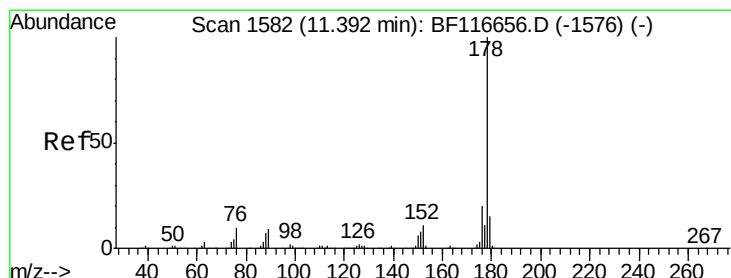
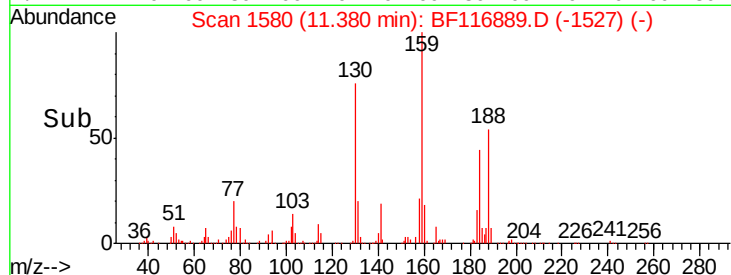
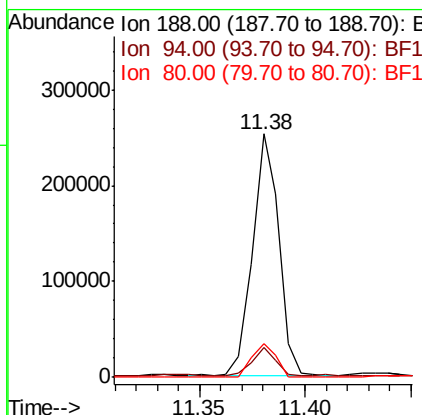
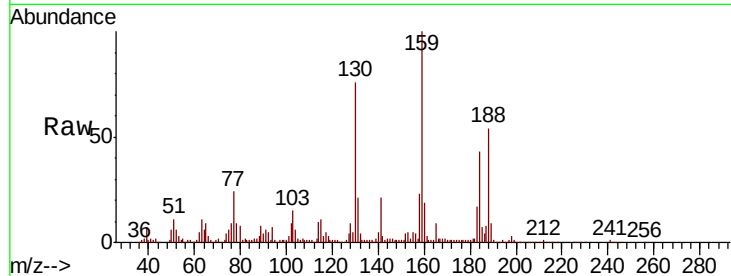
ClientSampleId :

MW-1A

Tot Ion:	188	Resp:	216944
Ion Ratio	Lower	Upper	
188	100		
94	12.1	7.3	10.9#
80	14.0	8.4	12.6#

Manual Integrations
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#71

Phenanthrene

Concen: 14.805 ng

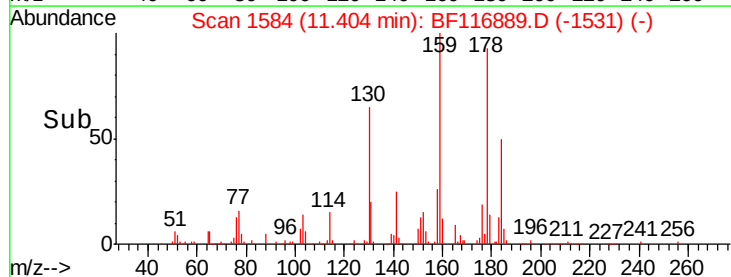
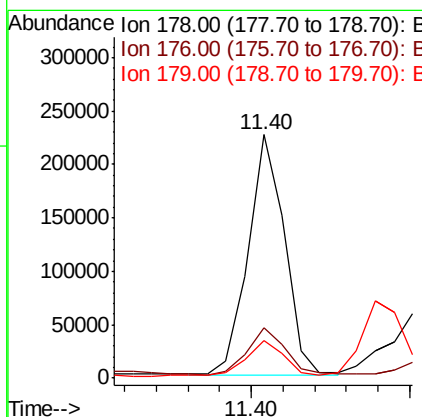
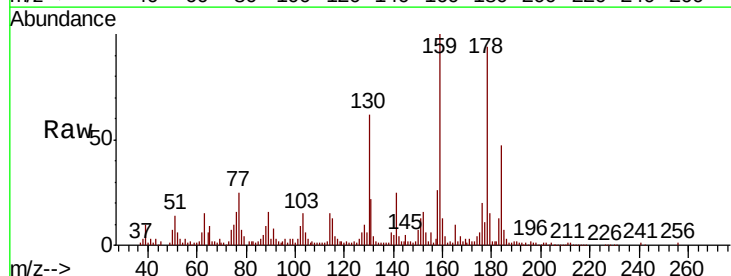
RT: 11.40 min Scan# 1584

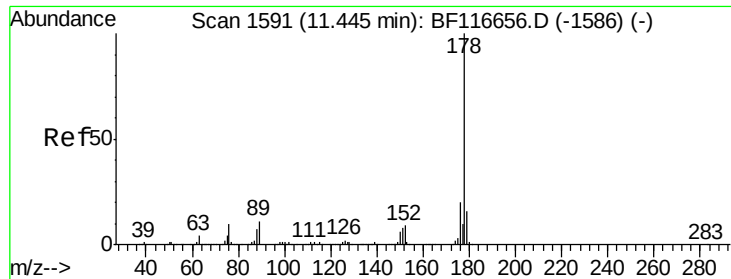
Delta R.T. 0.01 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Tgt Ion:	178	Resp:	178787
Ion Ratio	Lower	Upper	
178	100		
176	20.9	15.4	23.0
179	15.7	12.2	18.2





#72

Anthracene

Concen: 5.567 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.01 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

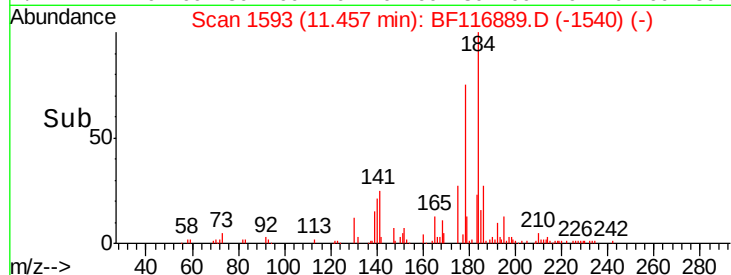
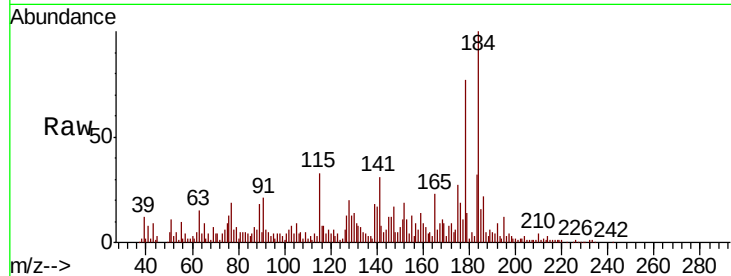
ClientSampled :

MW-1A

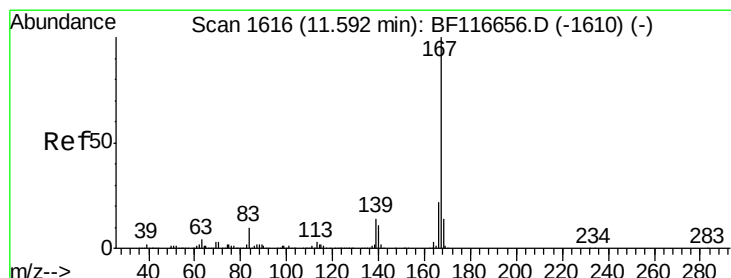
Tot Ion:	178	Resp:	67678
Ion Ratio	Lower	Upper	
178	100		
176	24.9	15.4	23.0#
179	18.5	12.5	18.7

Manual Integrations
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9/12/2019 9:26:29 AM



Time-->



#73

Carbazole

Concen: 30.002 ng

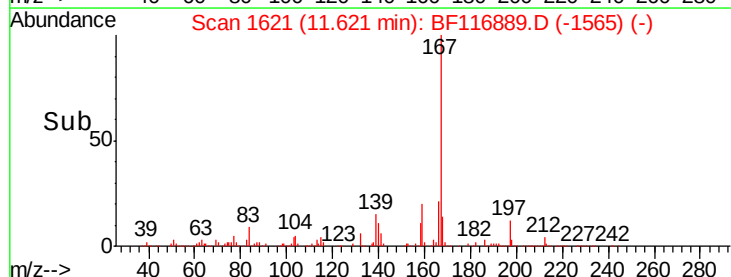
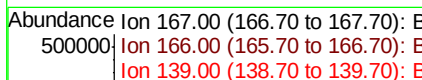
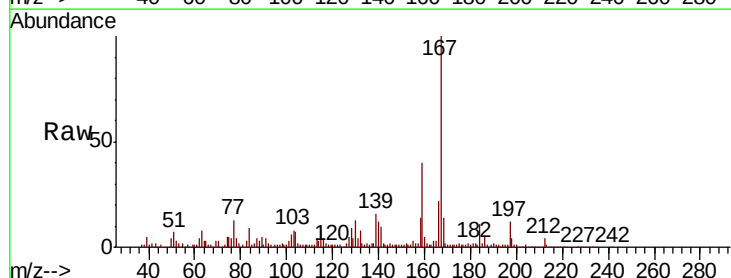
RT: 11.62 min Scan# 1621

Delta R.T. 0.03 min

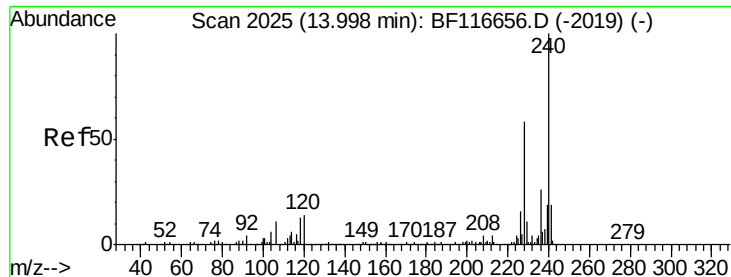
Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Tgt Ion:	167	Resp:	347425
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.8	26.6
139	15.7	11.1	16.7



Time-->



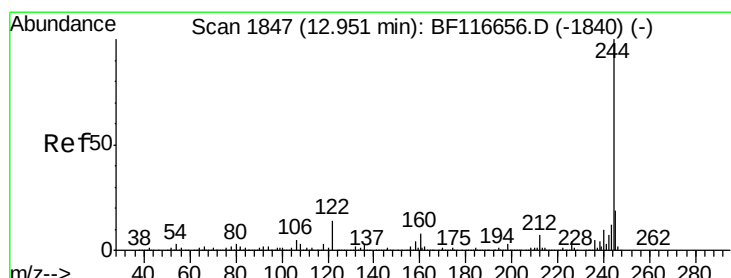
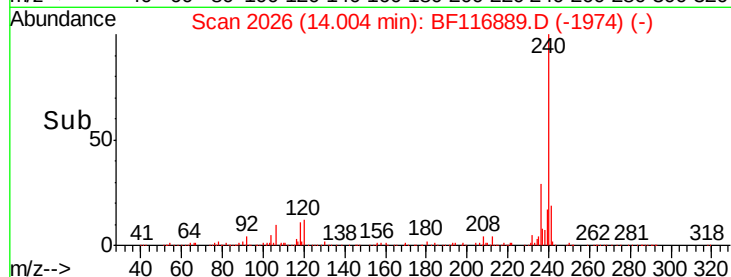
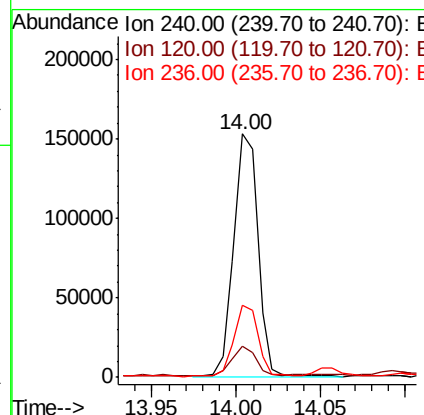
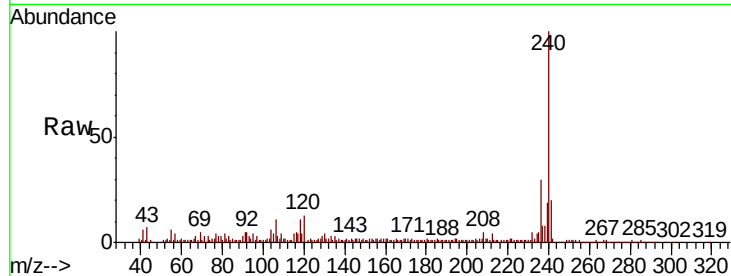
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.1	13.7
236	29.5	21.1	31.7

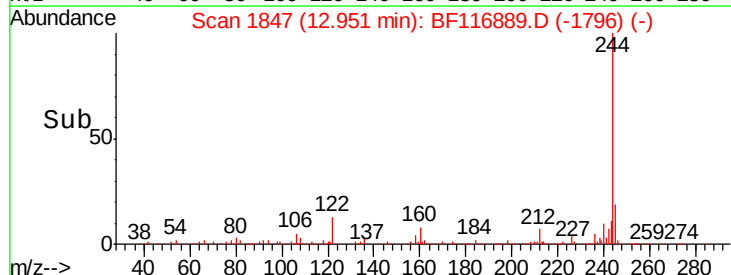
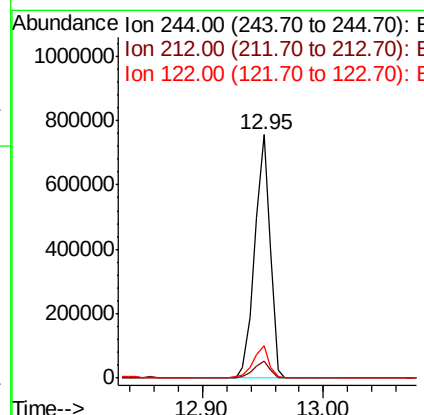
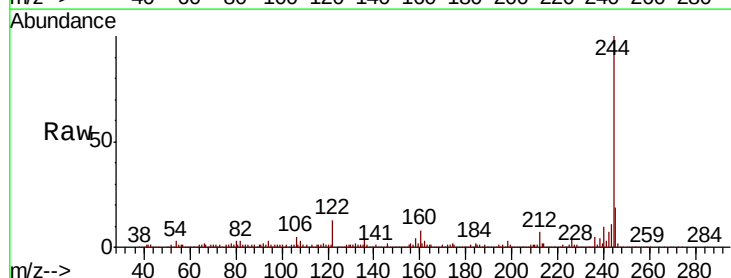
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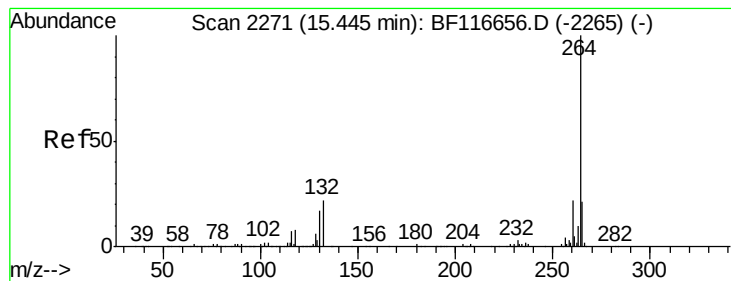
mohammad
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#79
 Terphenyl-d14
 Concen: 82.398 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	13.4	10.2	15.4





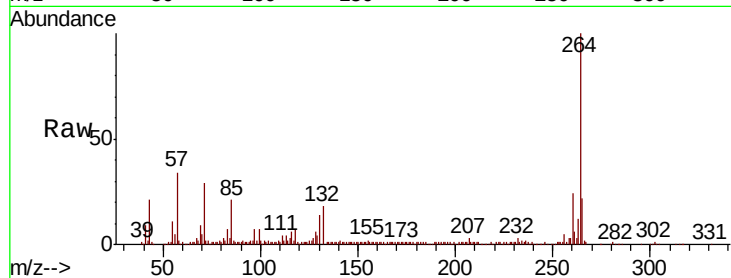
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion:	264	Resp:	173236
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.3	27.5
265	22.5	16.5	24.7

Manual Integrations
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Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

