

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116939.D
 Acq On : 10 Sep 2019 23:21
 Operator : HP/JU
 Sample : K4689-01DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1ADL

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:10 AM

Quant Time: Sep 11 10:55:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	78892	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	607753	20.00	ng	0.02
39) Acenaphthene-d10	9.89	164	167542	20.00	ng	0.02
64) Phenanthrene-d10	11.36	188	262692	20.00	ng	0.01
76) Chrysene-d12	13.99	240	157157	20.00	ng	0.00
87) Perylene-d12	15.44	264	184247	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	172377m	35.40	ng	0.06
7) Phenol-d6	6.51	99	122062	19.09	ng	0.04
23) Nitrobenzene-d5	7.46	82	599528m	56.31	ng	0.06
42) 2,4,6-Tribromophenol	10.67	330	89499	79.91	ng	0.02
45) 2-Fluorobiphenyl	9.22	172	458606	46.17	ng	0.02
79) Terphenyl-d14	12.93	244	366791	43.18	ng	0.00
Target Compounds						
3) Pyridine	3.35	79	13660	2.099	ng	93
6) Aniline	6.50	93	405431	45.777	ng	98
10) Phenol	6.53	94	161892	22.864	ng	# 58
13) 1,4-Dichlorobenzene	6.86	146	15319	2.561	ng	# 1
17) 2-Methylphenol	7.14	107	397293m	85.373	ng	
20) 3+4-Methylphenols	7.30	107	2351346	434.566	ng	# 43
27) 2,4-Dimethylphenol	7.87	122	3443129	423.520	ng	94
31) Naphthalene	8.22	128	22973601	794.955	ng	# 91
37) 2-Methylnaphthalene	8.88	142	4128230	214.696	ng	98
38) 1-Methylnaphthalene	8.98	142	2676527	147.456	ng	99
46) 1,1'-Biphenyl	9.32	154	545765	42.929	ng	96
52) Acenaphthene	9.93	154	495124	52.941	ng	98
55) Dibenzofuran	10.10	168	520139	39.452	ng	98
58) Fluorene	10.43	166	231808	23.075	ng	# 99
71) Phenanthrene	11.39	178	102516	7.011	ng	98
72) Anthracene	11.43	178	36540m	2.482	ng	
73) Carbazole	11.60	167	190670	13.598	ng	98

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

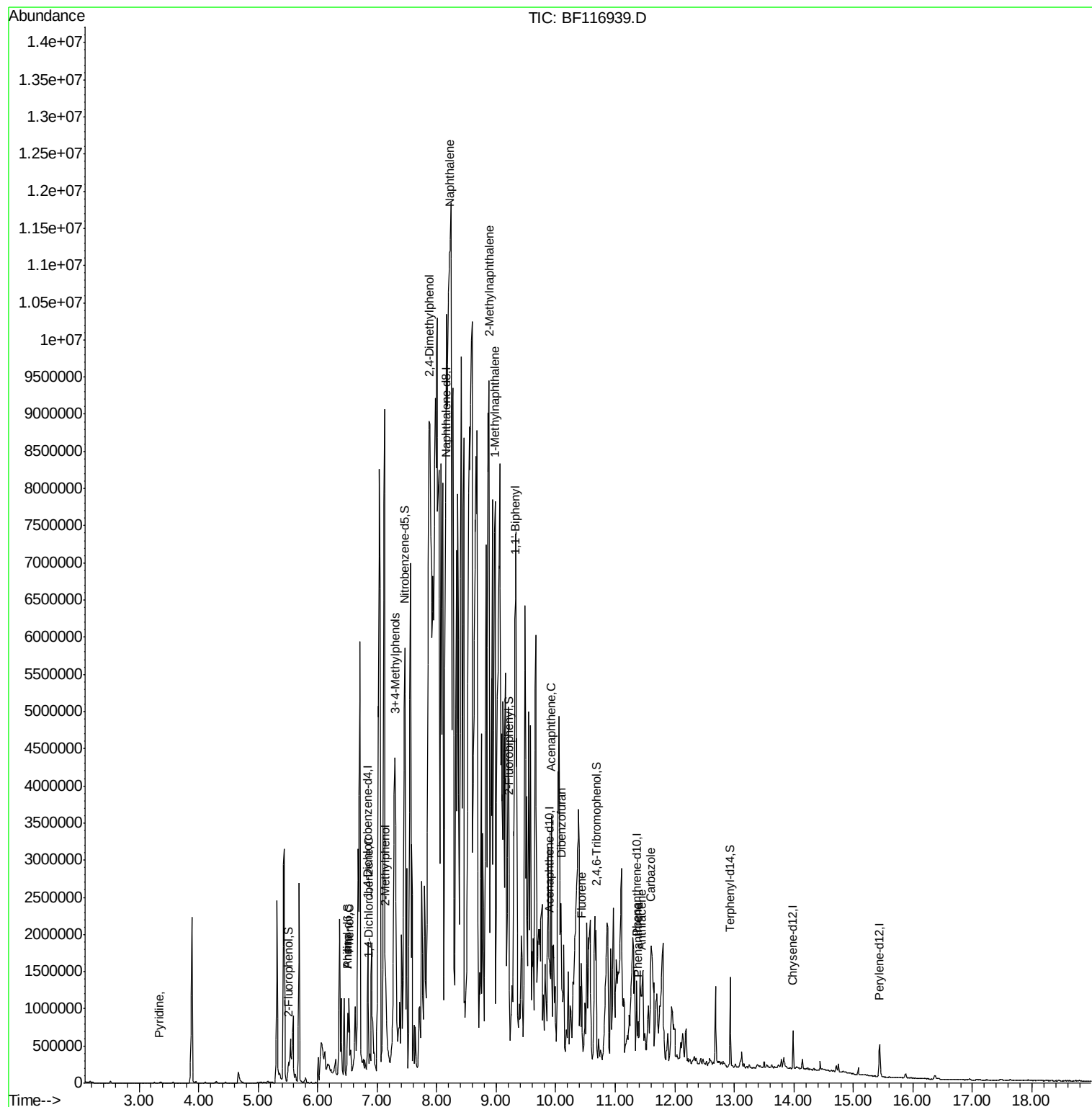
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
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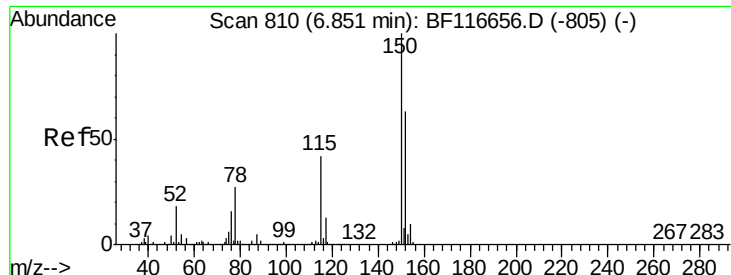
Instrument :
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#1

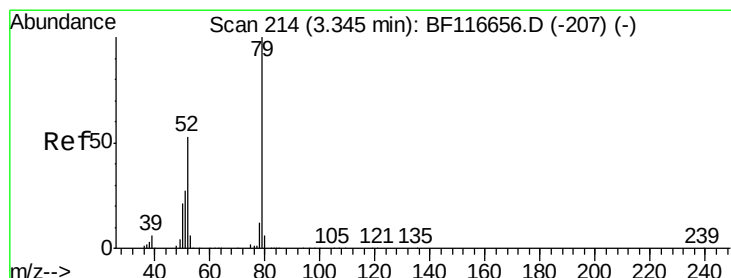
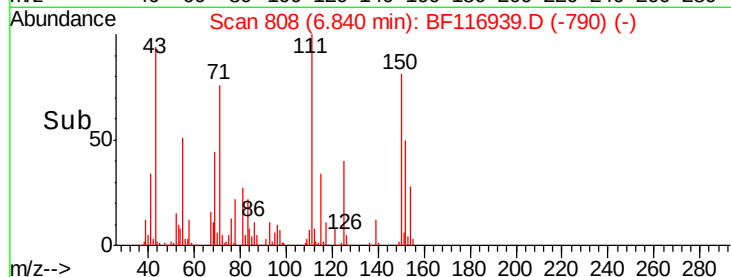
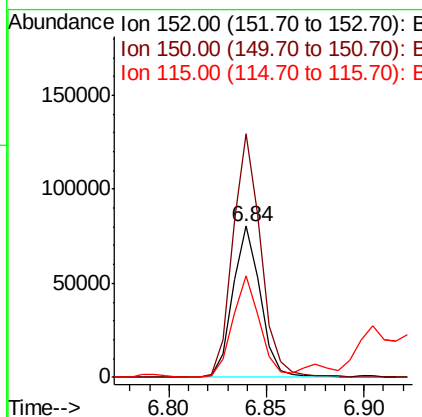
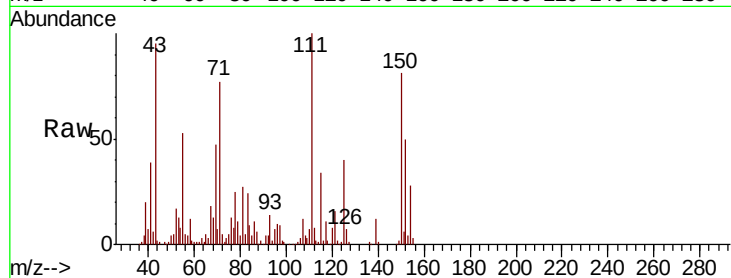
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. 0.01 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Instrument :
BNA_F
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.4	186.6
115	67.6	49.9	74.9

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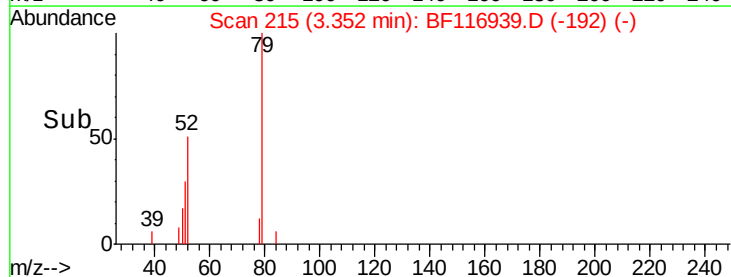
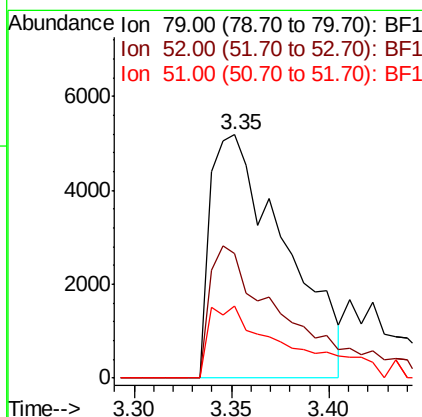
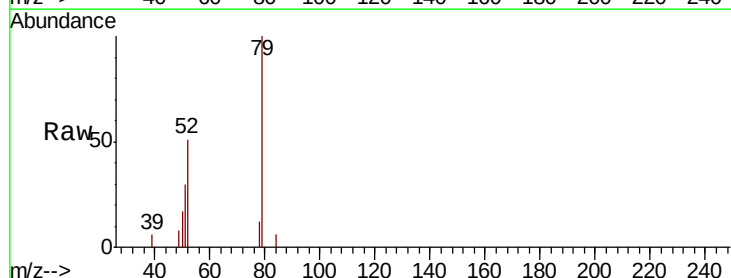
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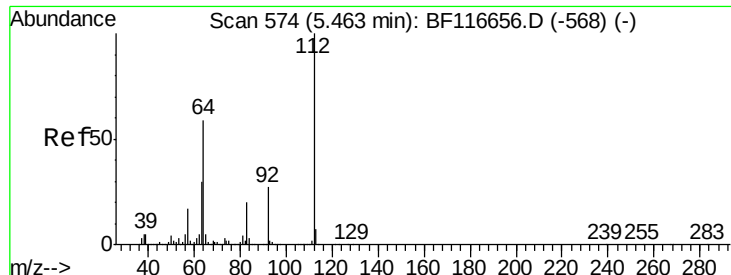


#3

Pyridine
Concen: 2.099 ng
RT: 3.35 min Scan# 215
Delta R.T. 0.04 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
79	100		
52	51.4	47.4	71.0
51	29.9	24.1	36.1





#5

2-Fluorophenol

Concen: 35.398 ng/mL

RT: 5.52 min Scan# 583

Delta R.T. 0.06 min

Lab File: BF116939.D

Acq: 10 Sep 2019 23:21

Instrument :

BNA_F

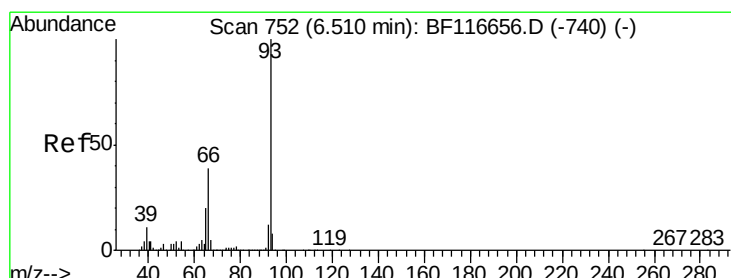
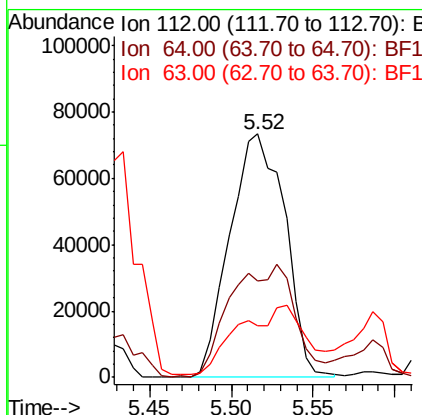
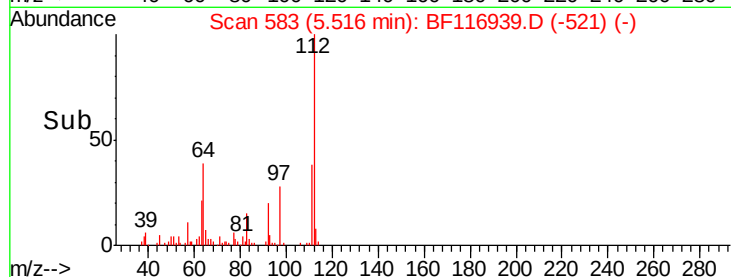
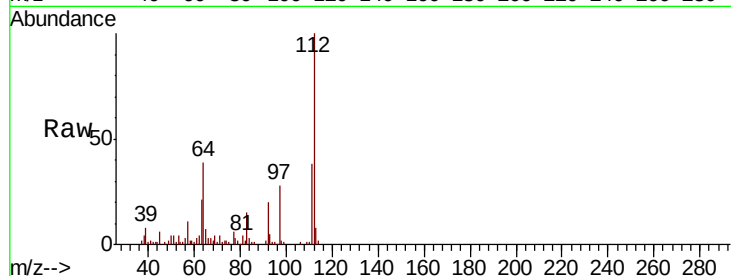
ClientSampleId :

MW-1ADL

Tot Ion:	112	Resp:	172377
Ion Ratio	Lower	Upper	
112	100		
64	39.5	47.1	70.7#
63	21.4	24.9	37.3#

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#6

Aniline

Concen: 45.777 ng/mL

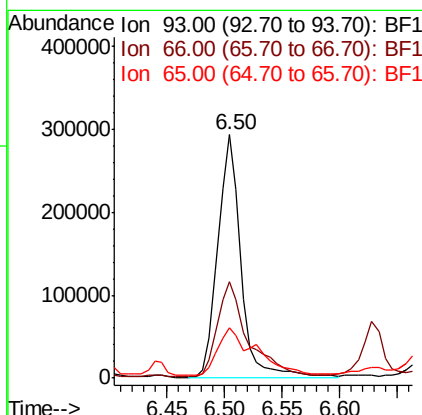
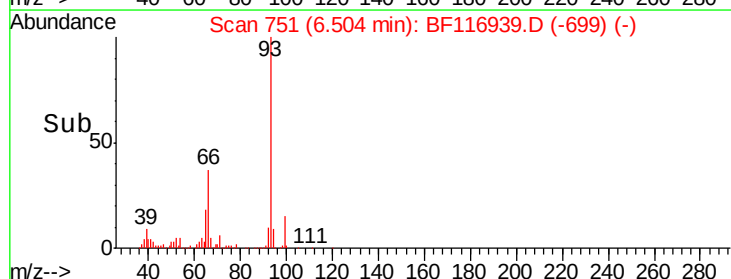
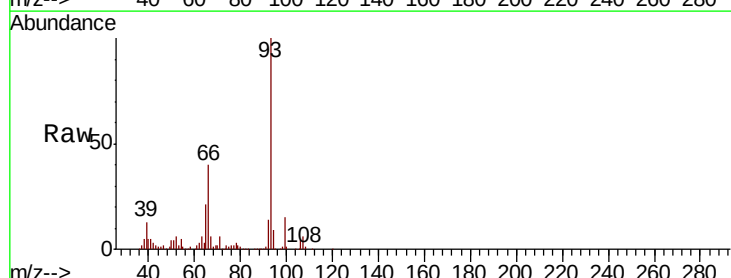
RT: 6.50 min Scan# 751

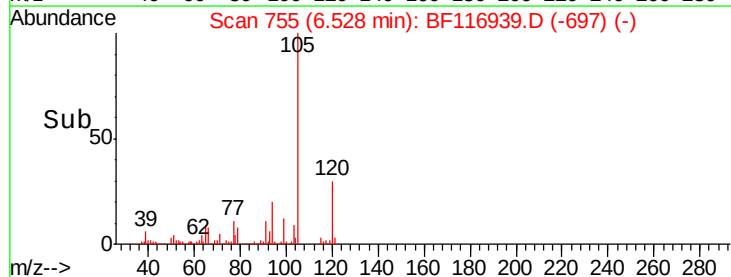
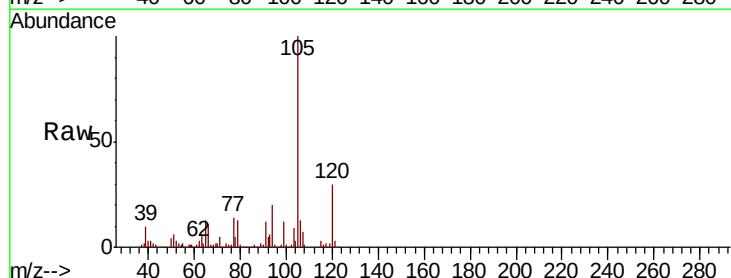
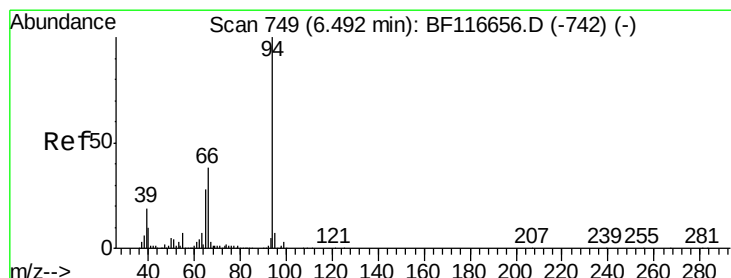
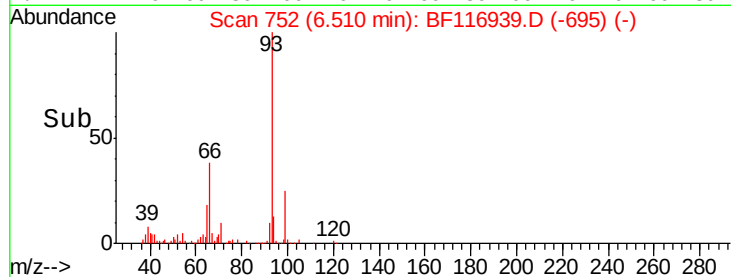
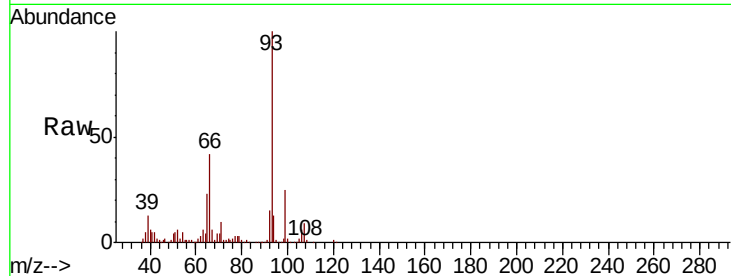
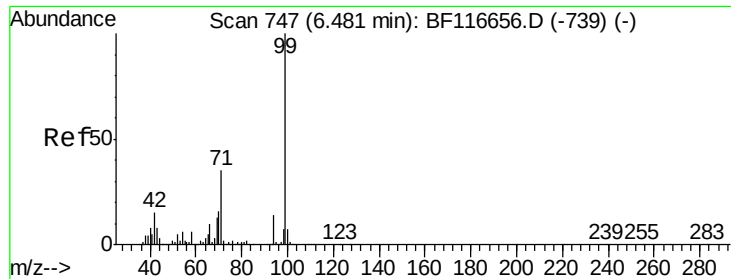
Delta R.T. 0.01 min

Lab File: BF116939.D

Acq: 10 Sep 2019 23:21

Tgt Ion:	93	Resp:	405431
Ion Ratio	Lower	Upper	
93	100		
66	39.8	32.7	49.1
65	20.8	16.3	24.5





#7

Phenol-d6

Concen: 19.089 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.04 min

Lab File: BF116939.D

Acq: 10 Sep 2019 23:21

Tot Ion:	99	Resp:	122062
Ion Ratio	Lower	Upper	
99	100		
42	19.2	13.7	20.5
71	39.0	30.8	46.2

Instrument :

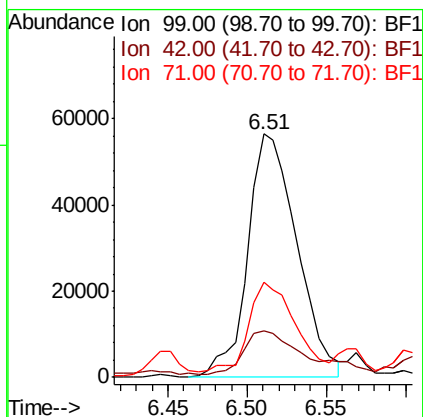
BNA_F

ClientSampleId :

MW-1ADL

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#10

Phenol

Concen: 22.864 ng

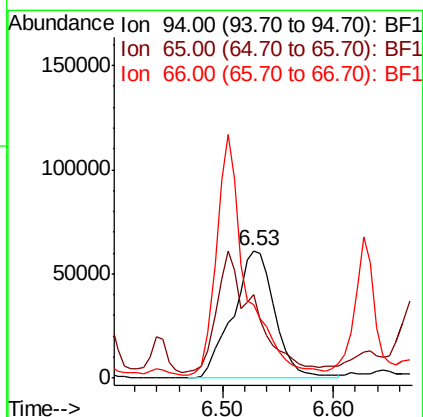
RT: 6.53 min Scan# 755

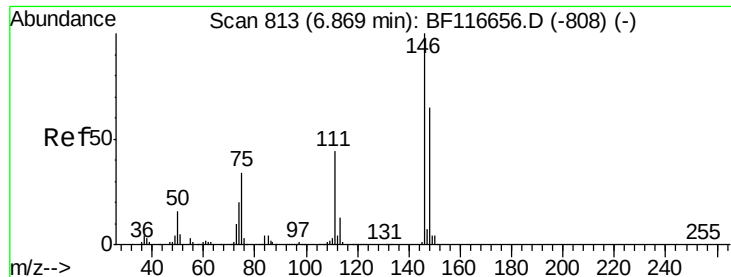
Delta R.T. 0.04 min

Lab File: BF116939.D

Acq: 10 Sep 2019 23:21

Tgt Ion:	94	Resp:	161892
Ion Ratio	Lower	Upper	
94	100		
65	65.5	10.8	50.8#
66	57.5	21.1	61.1





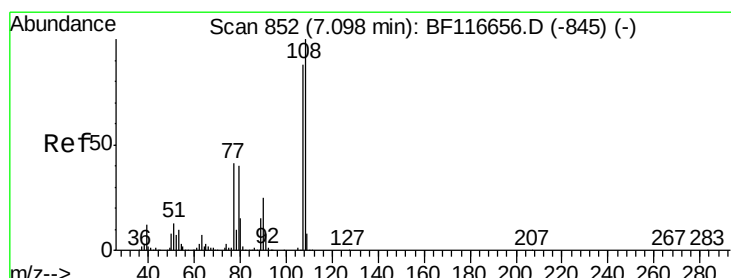
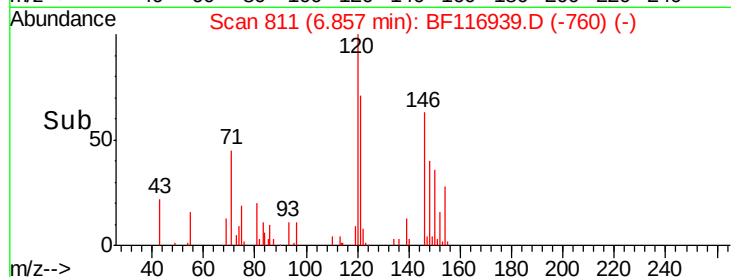
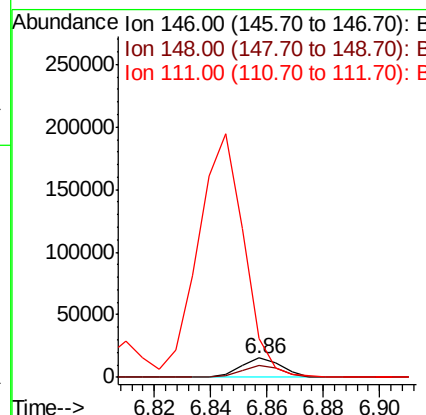
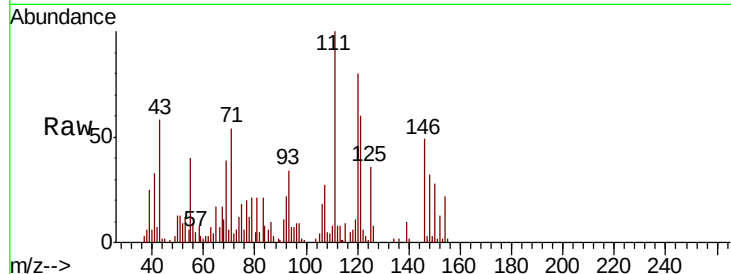
#13
1,4-Dichlorobenzene
Concen: 2.561 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Instrument :
BNA_F
ClientSampled :
MW-1ADL

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	202.1	34.8	52.2#

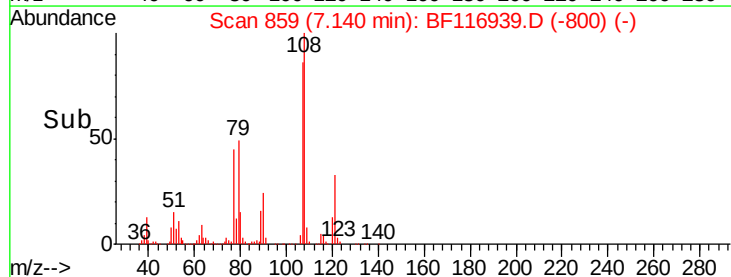
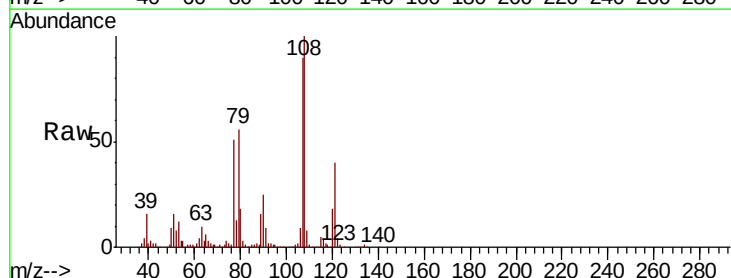
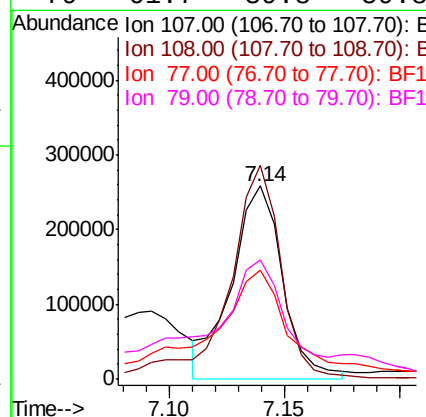
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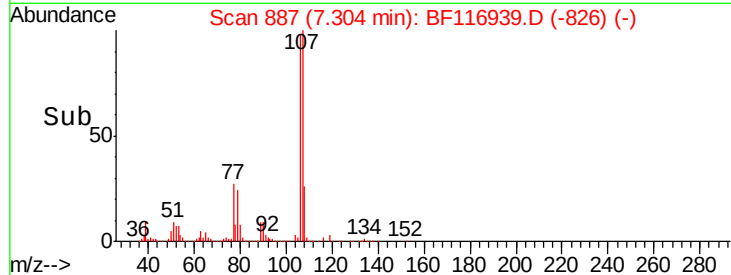
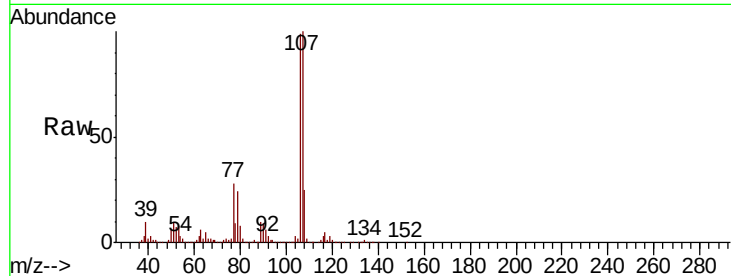
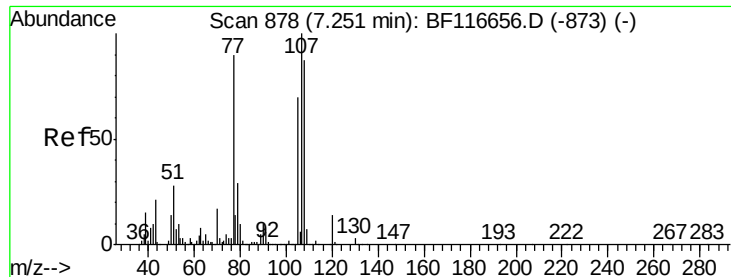
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#17
2-Methylphenol
Concen: 85.373 ng m
RT: 7.14 min Scan# 859
Delta R.T. 0.05 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
107	100		
108	110.6	88.3	132.5
77	56.3	39.9	59.9
79	61.7	39.8	59.8#





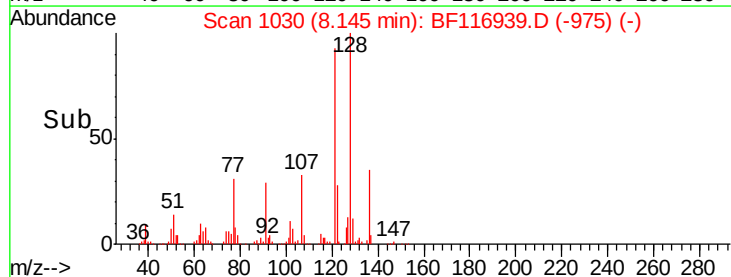
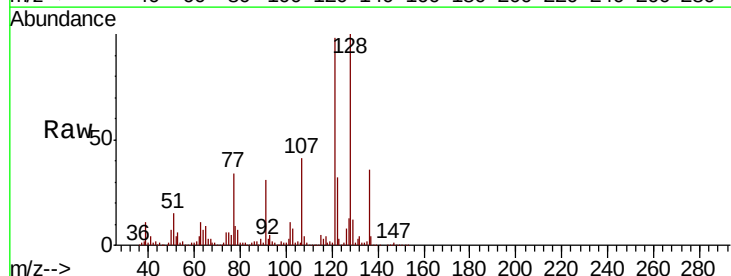
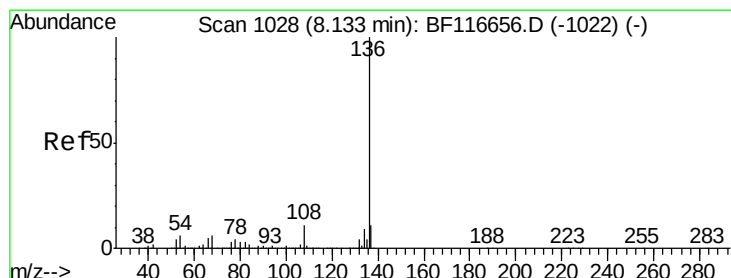
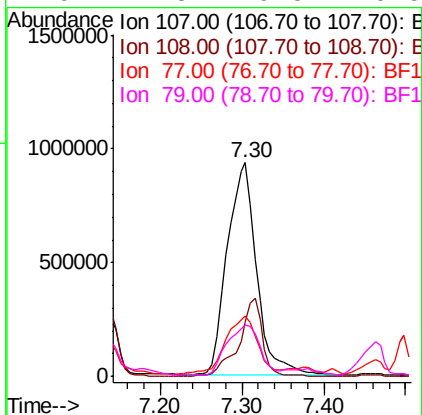
#20
3+4-Methylphenols
Concen: 434.566 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.06 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	25.3	65.5	105.5#	
77	28.1	69.4	109.4#	
79	24.3	9.5	49.5	

Instrument :
BNA_F
ClientSampleId :
MW-1ADL

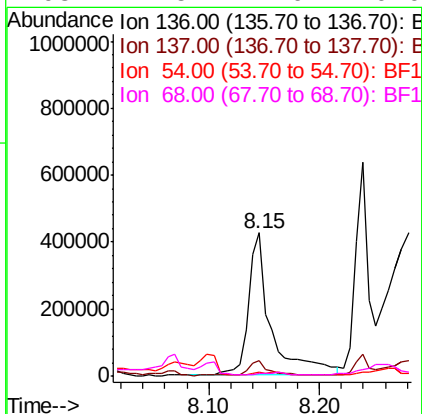
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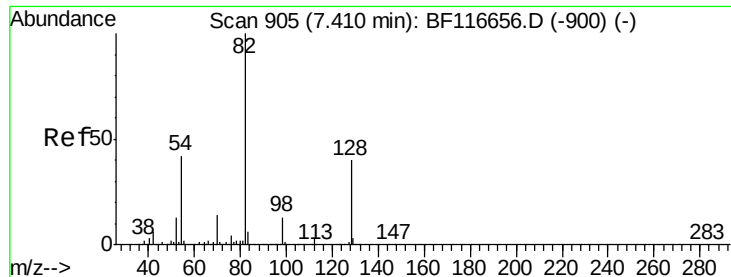
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.02 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.9	13.3	
54	2.3	4.8	7.2#	
68	1.5	4.0	6.0#	





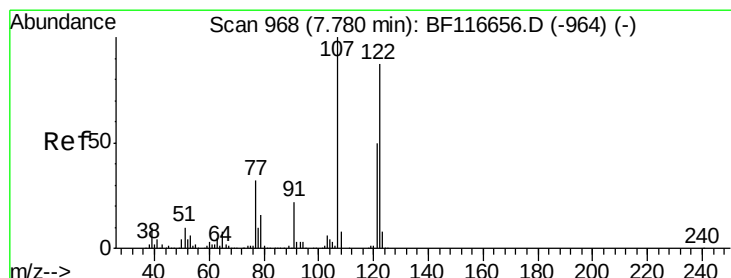
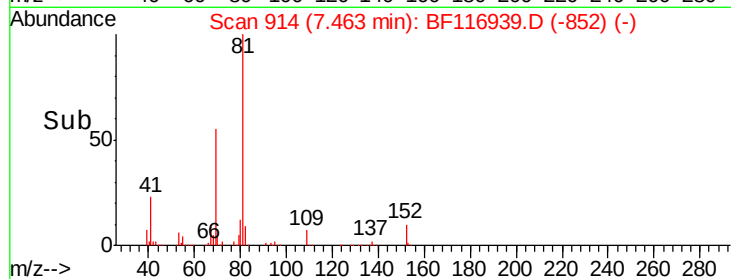
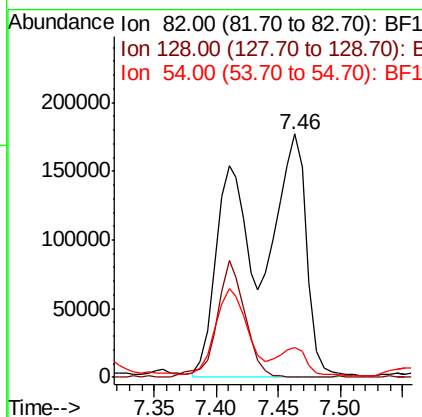
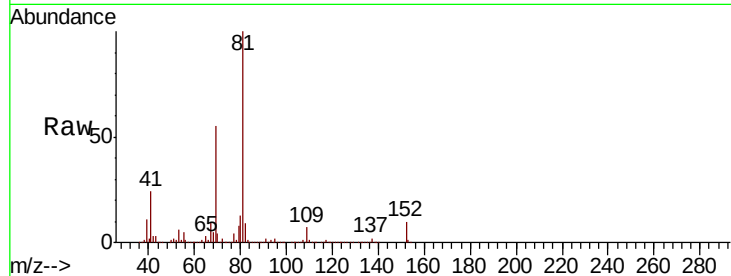
#23
 Nitrobenzene-d5
 Concen: 56.315 ng/ml
 RT: 7.46 min Scan# 914
 Delta R.T. 0.06 min
 Lab File: BF116939.D
 Acq: 10 Sep 2019 23:21

Instrument :
 BNA_F
 ClientSampleId :
 MW-1ADL

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	0.4	32.8	49.2#
54	12.2	36.9	55.3#

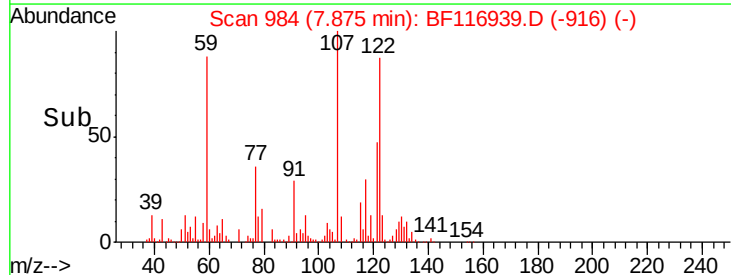
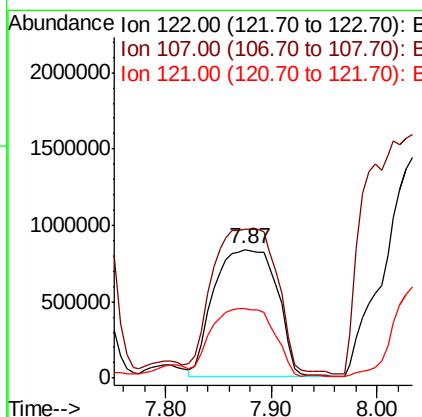
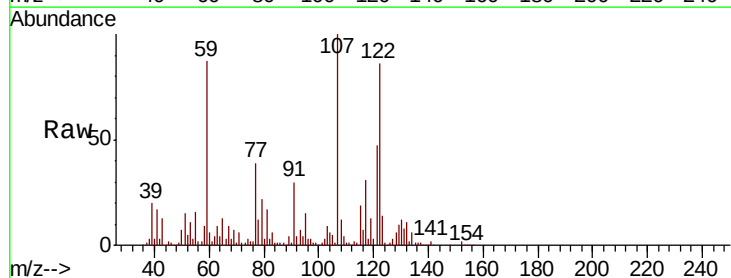
Manual Integrations
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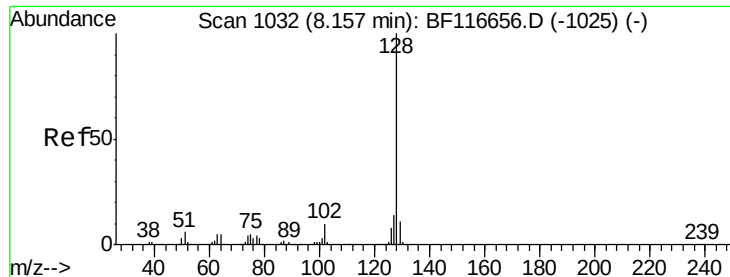
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#27
 2,4-Dimethylphenol
 Concen: 423.520 ng/ml
 RT: 7.87 min Scan# 984
 Delta R.T. 0.10 min
 Lab File: BF116939.D
 Acq: 10 Sep 2019 23:21

Tgt Ion	Ratio	Resp Lower	Upper
122	100		
107	116.3	98.1	147.1
121	54.5	47.3	70.9





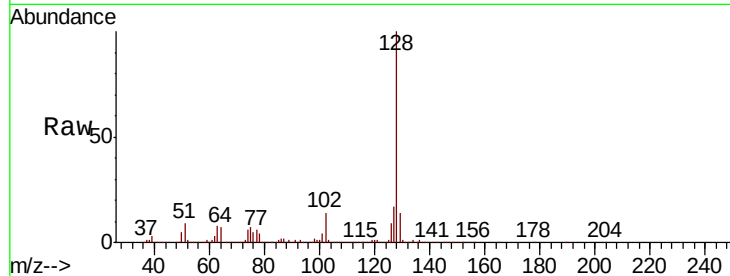
#31
Naphthalene
Concen: 794.955 ng
RT: 8.22 min Scan# 1042
Delta R.T. 0.08 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Instrument :
BNA_F
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.2	8.6	13.0#
127	16.6	10.4	15.6#

Manual Integrations
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9/16/2019 8:57:10 AM

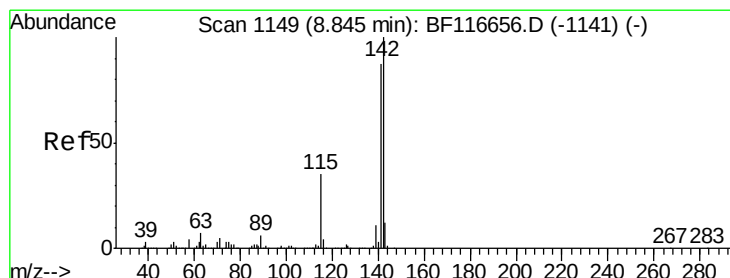
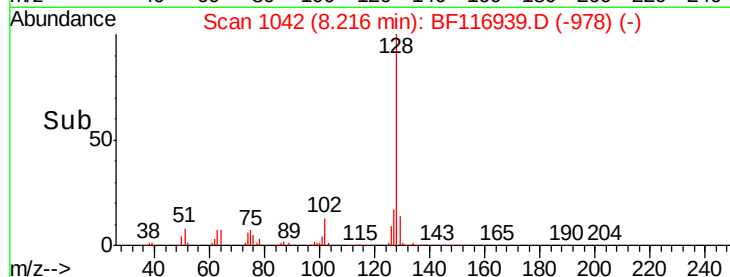
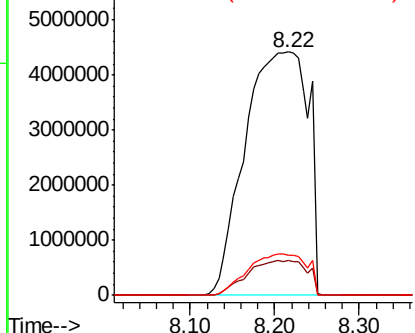


Abundance

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: 214.696 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.05 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

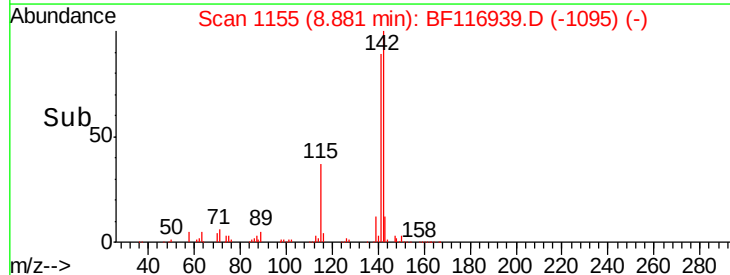
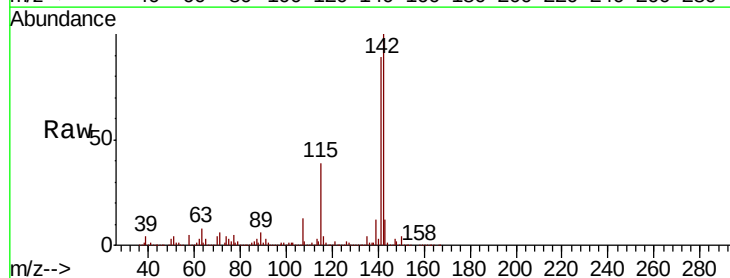
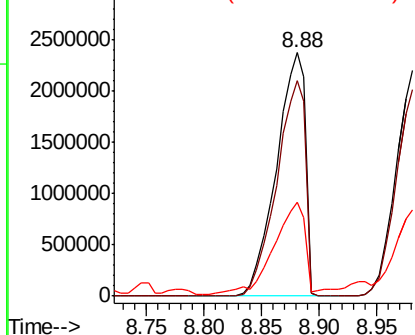
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.6	109.0
115	38.8	29.8	44.6

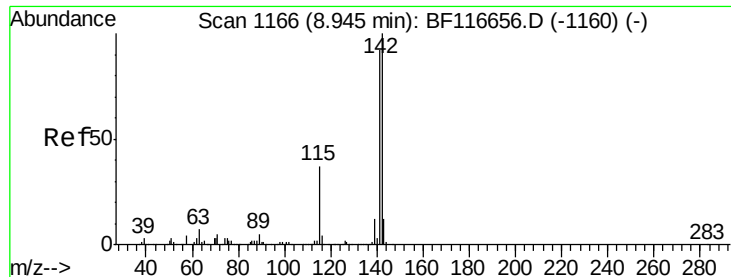
Abundance

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





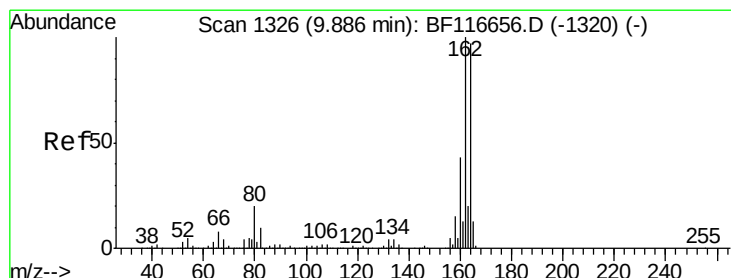
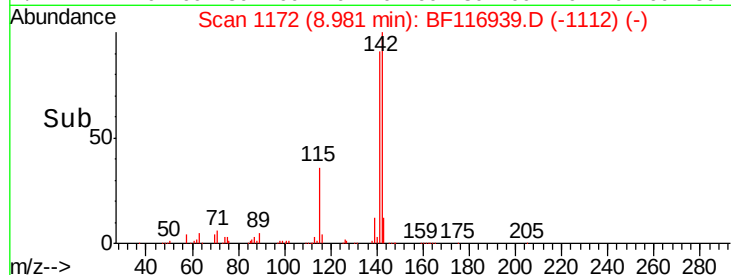
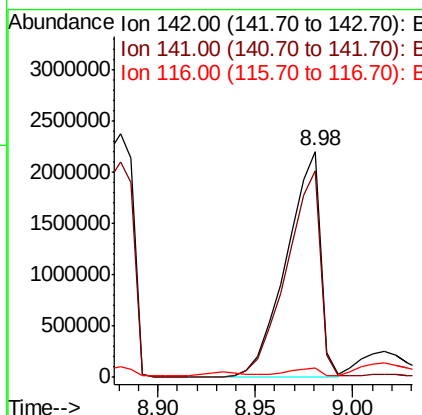
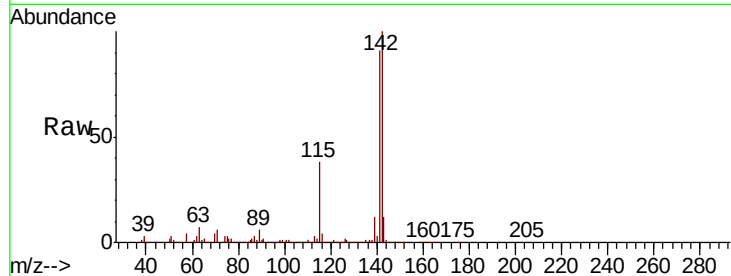
#38
1-Methylnaphthalene
Concen: 147.456 ng
RT: 8.98 min Scan# 1172
Delta R.T. 0.05 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Instrument :
BNA_F
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.9	110.9
116	4.0	3.0	4.6

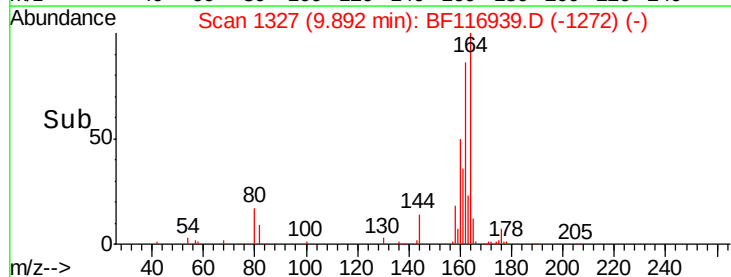
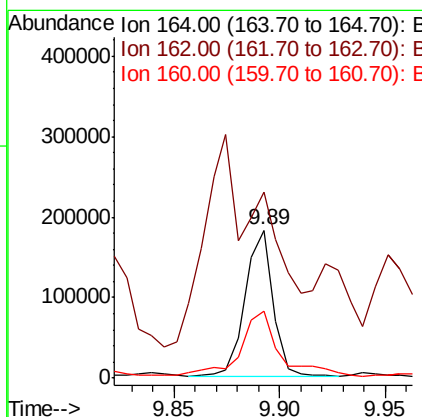
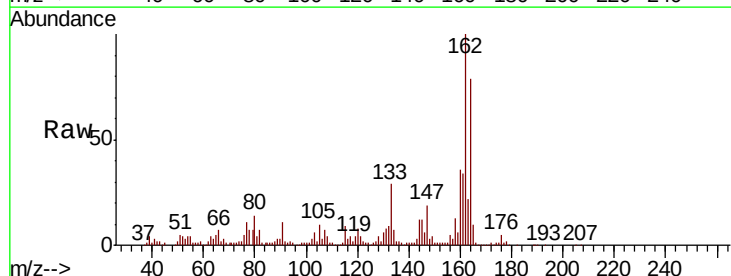
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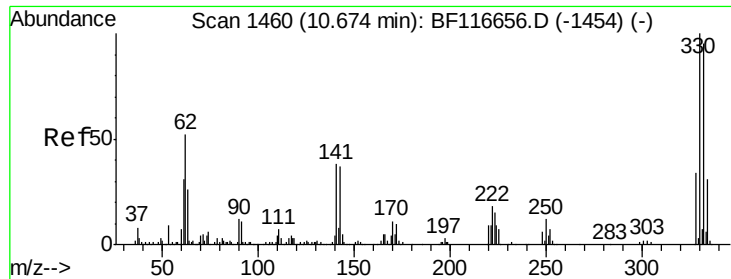
mohammad
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.02 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	125.8	81.4	122.0#
160	45.5	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 79.906 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.02 min

Lab File: BF116939.D

Acq: 10 Sep 2019 23:21

Instrument :

BNA_F

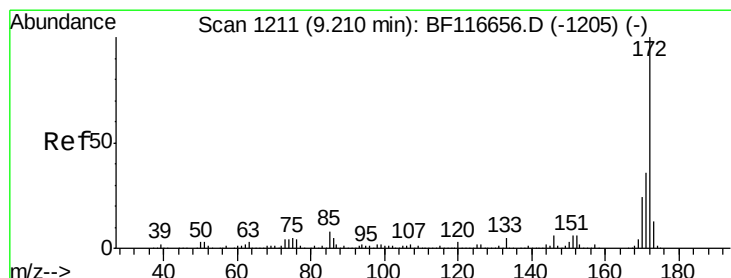
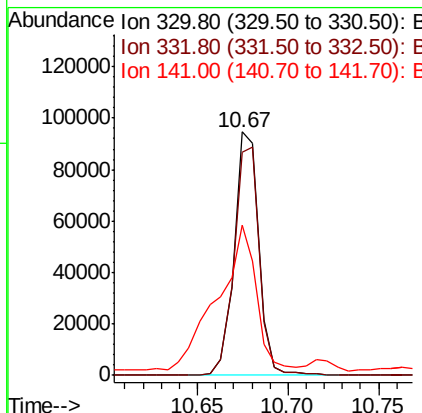
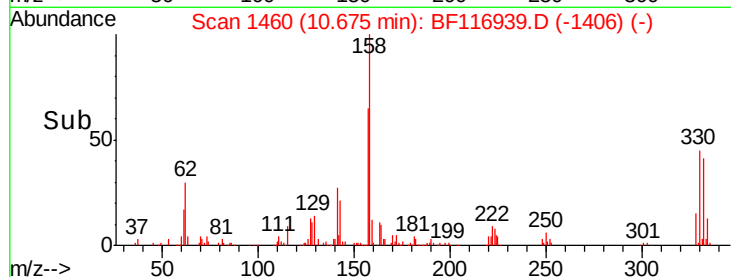
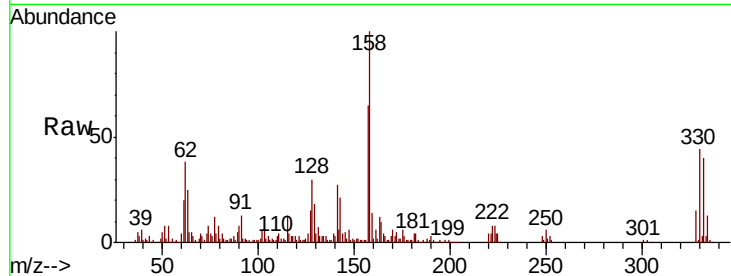
ClientSampleId :

MW-1ADL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	93.9	31.4	47.2

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#45

2-Fluorobiphenyl

Concen: 46.175 ng

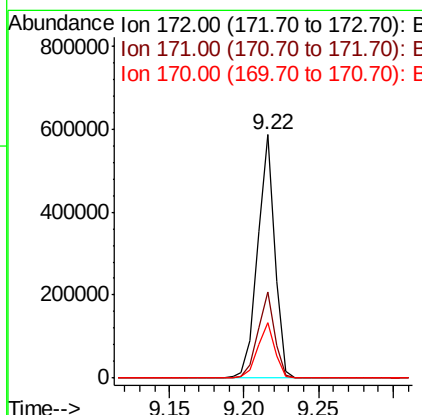
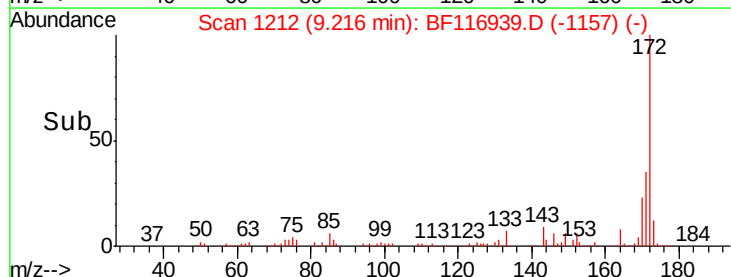
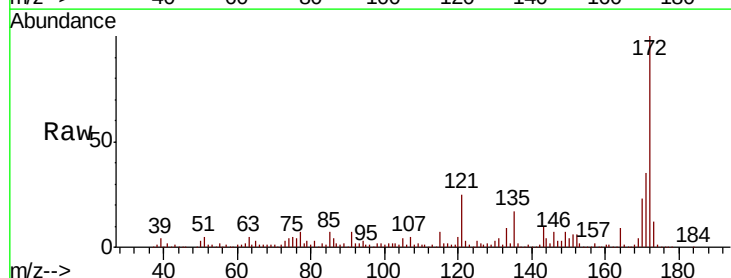
RT: 9.22 min Scan# 1212

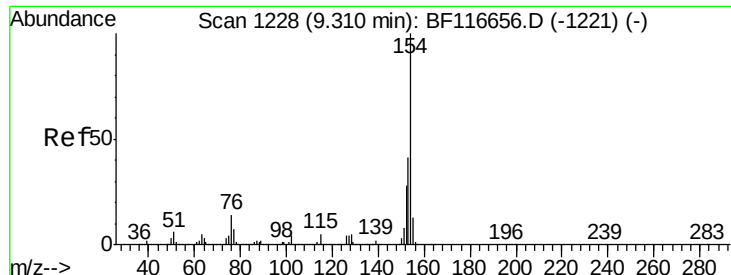
Delta R.T. 0.02 min

Lab File: BF116939.D

Acq: 10 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.6
170	23.0	18.9	28.3





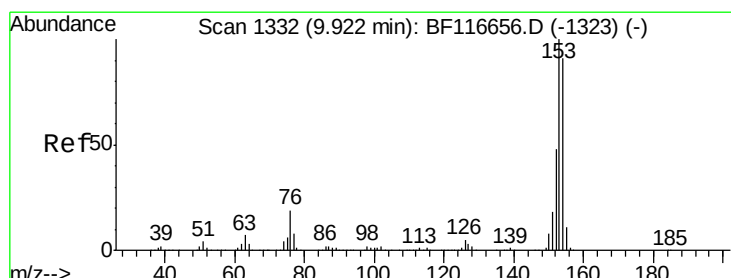
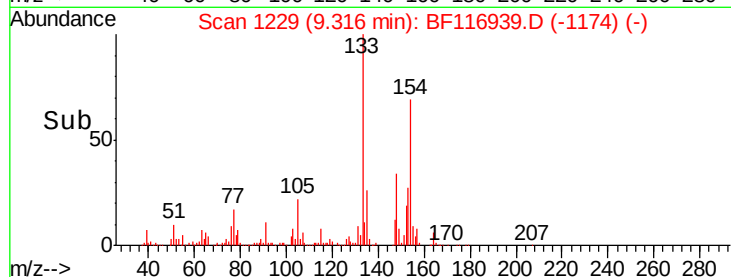
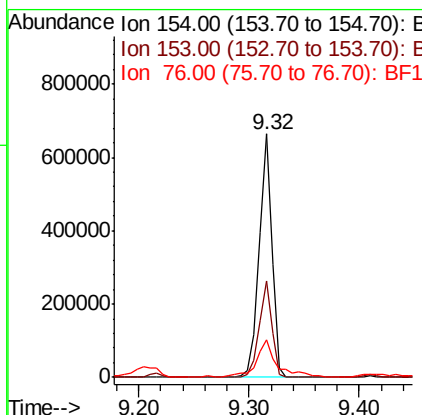
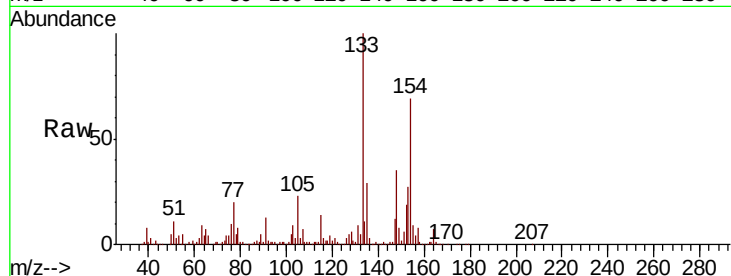
#46
1,1'-Biphenyl
Concen: 42.929 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.02 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Instrument :
BNA_F
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.7	21.2	61.2	
76	15.2	0.0	30.9	

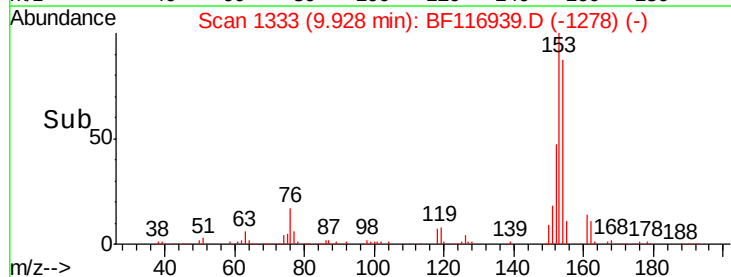
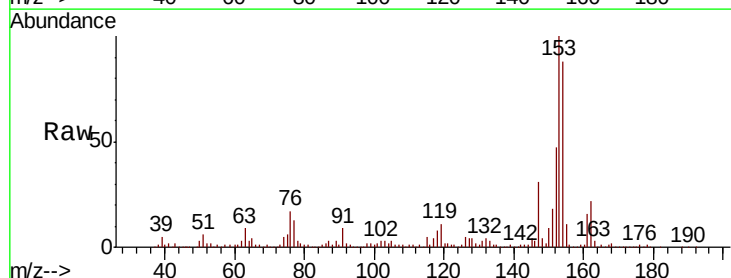
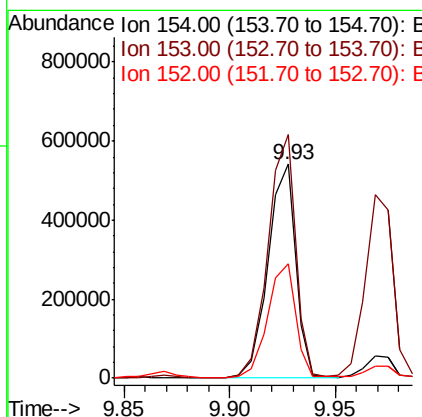
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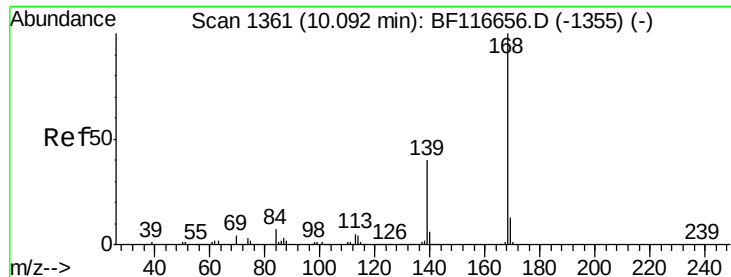
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#52
Acenaphthene
Concen: 52.941 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.02 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.0	89.5	134.3	
152	53.7	41.9	62.9	





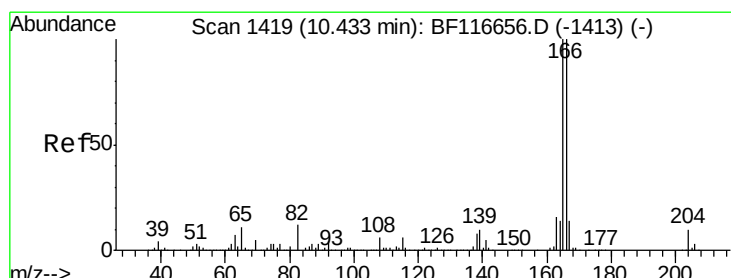
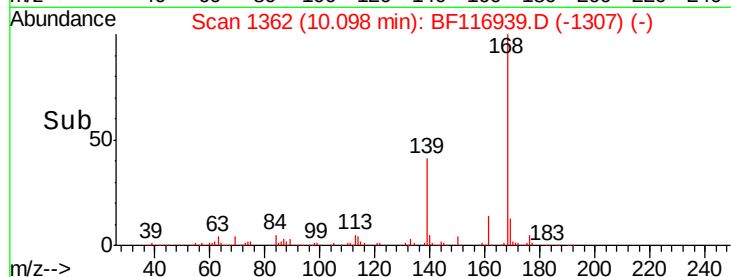
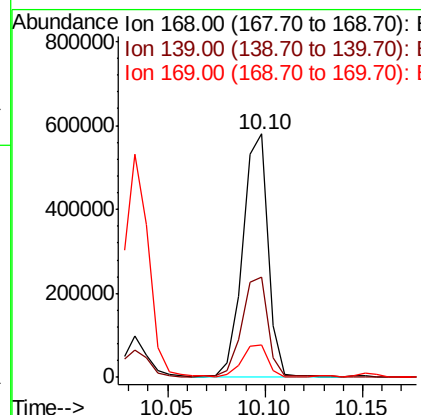
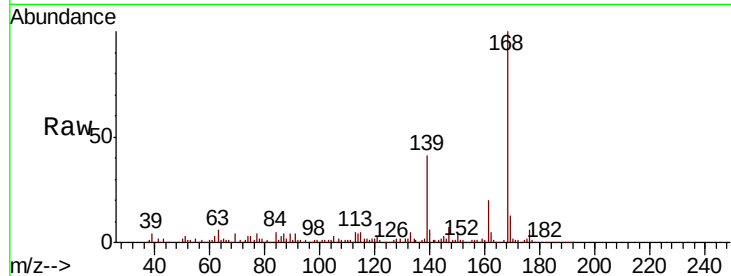
#55
Dibenzofuran
Concen: 39.452 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.02 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Instrument :
BNA_F
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.0	31.5	47.3
169	13.5	10.3	15.5

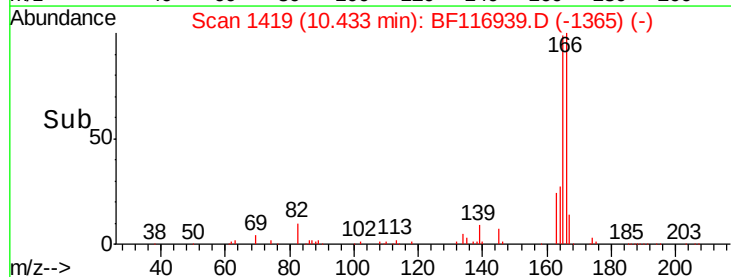
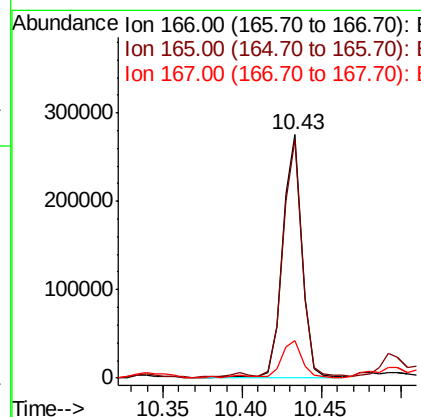
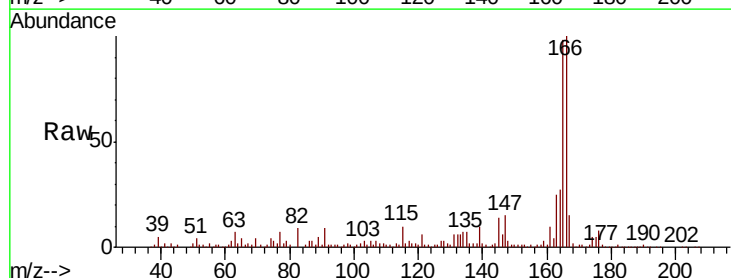
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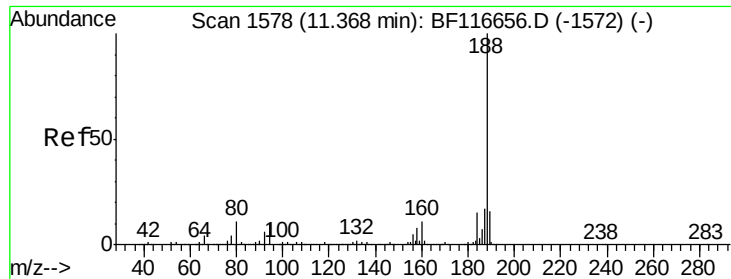
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#58
Fluorene
Concen: 23.075 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.02 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.8	118.2
167	15.4	10.0	15.0#





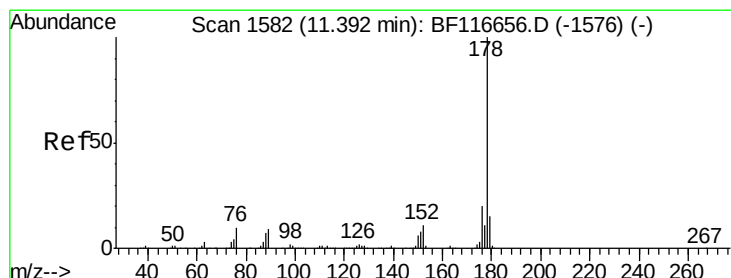
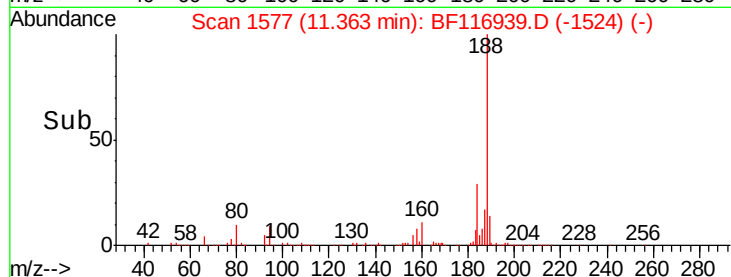
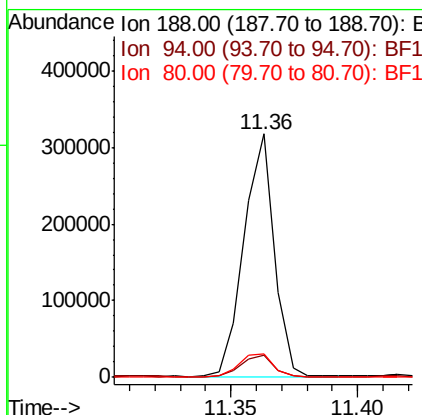
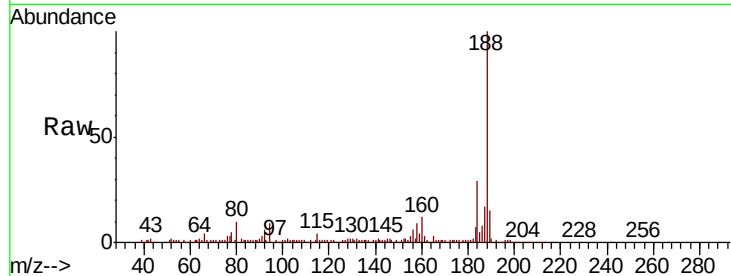
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Instrument :
BNA_F
ClientSampleId :
MW-1ADL

Tot Ion:	188	Resp:	262692
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.3	10.9
80	9.8	8.4	12.6

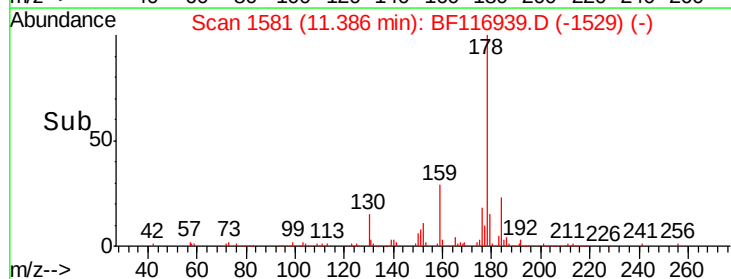
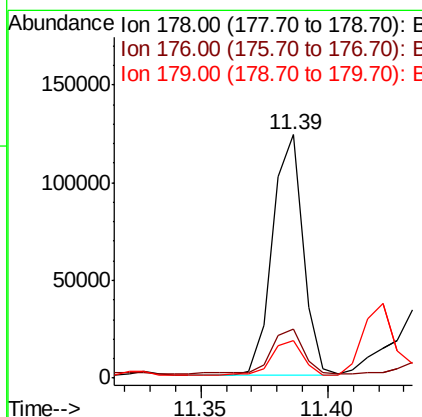
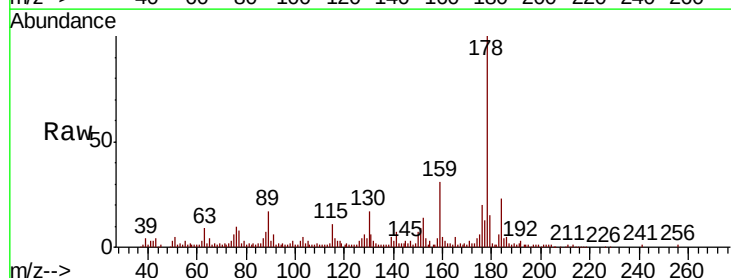
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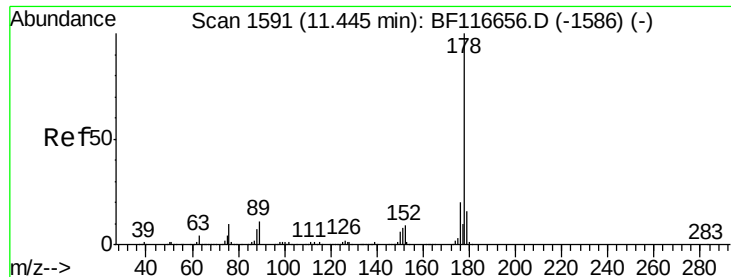
mohammad
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#71
Phenanthrene
Concen: 7.011 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Tgt Ion:	178	Resp:	102516
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.4	23.0
179	15.5	12.2	18.2





#72

Anthracene

Concen: 2.482 ng/mL

RT: 11.43 min Scan# 1589

Delta R.T. 0.01 min

Lab File: BF116939.D

Acq: 10 Sep 2019 23:21

Instrument :

BNA_F

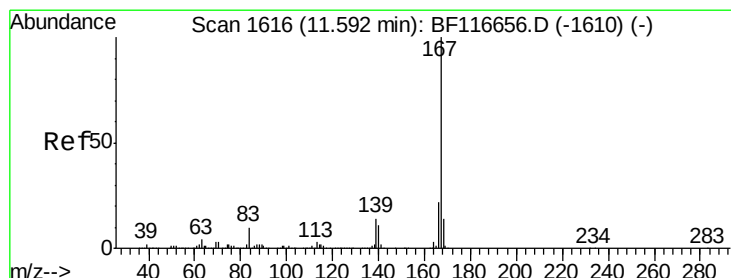
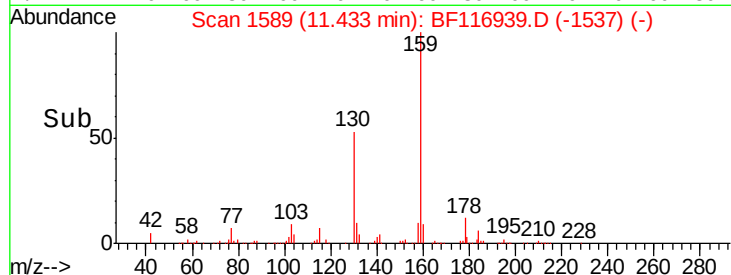
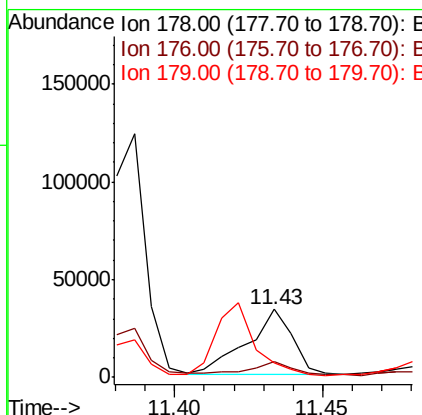
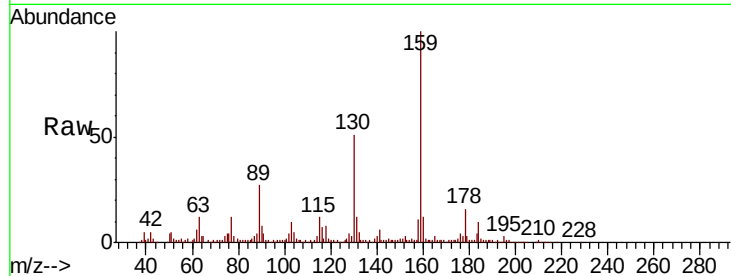
ClientSampleID :

MW-1ADL

Tot Ion:	178	Resp:	36540
Ion Ratio	Lower	Upper	
178	100		
176	23.0	15.4	23.0
179	22.0	12.5	18.7

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#73

Carbazole

Concen: 13.598 ng/mL

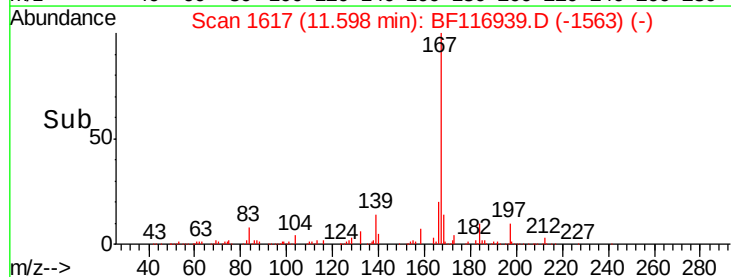
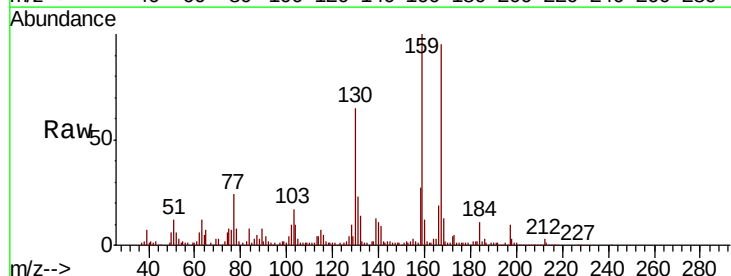
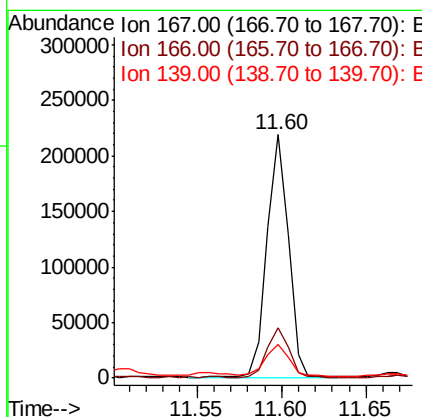
RT: 11.60 min Scan# 1617

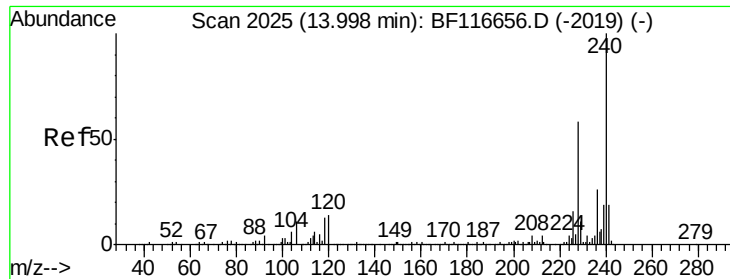
Delta R.T. 0.02 min

Lab File: BF116939.D

Acq: 10 Sep 2019 23:21

Tgt Ion:	167	Resp:	190670
Ion Ratio	Lower	Upper	
167	100		
166	20.5	17.8	26.6
139	14.0	11.1	16.7





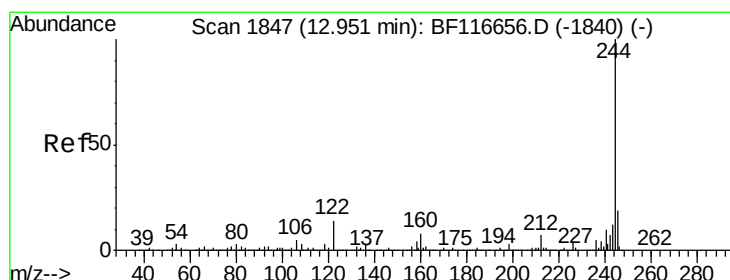
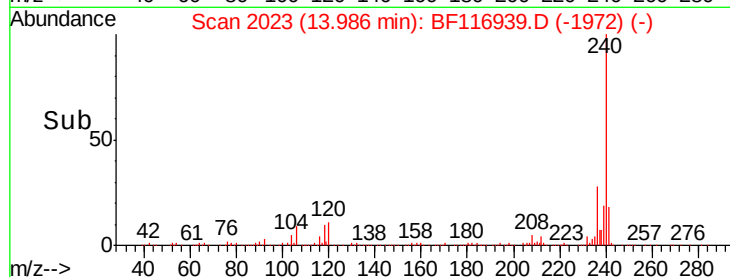
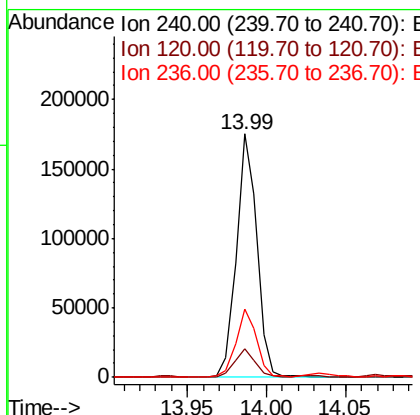
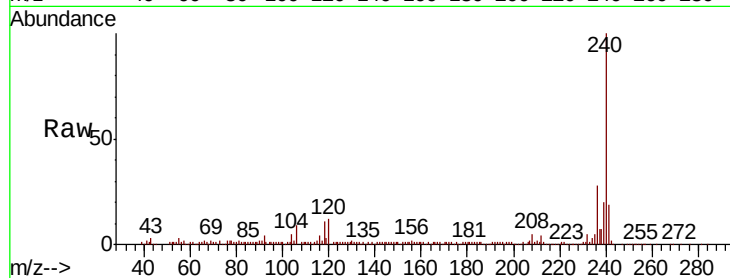
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: BF116939.D
 Acq: 10 Sep 2019 23:21

Instrument :
 BNA_F
 ClientSampleId :
 MW-1ADL

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	9.1	13.7
236	27.9	21.1	31.7

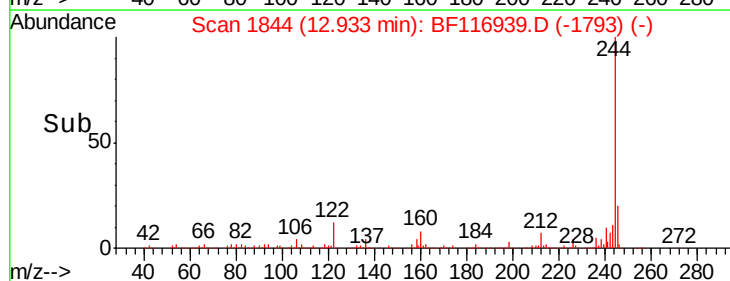
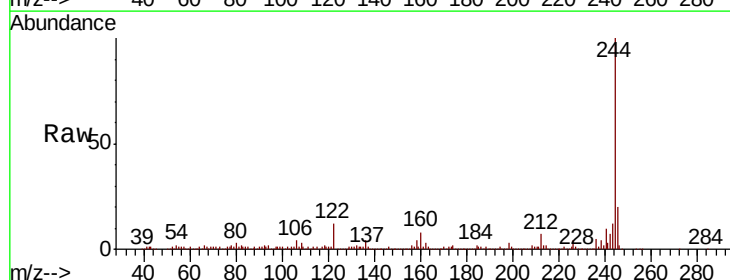
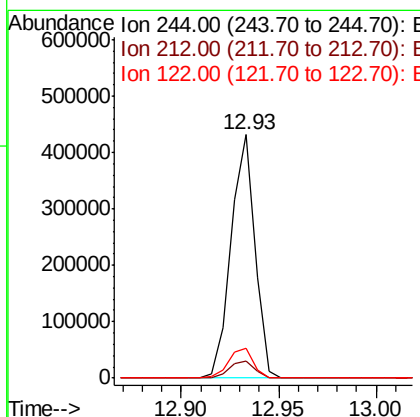
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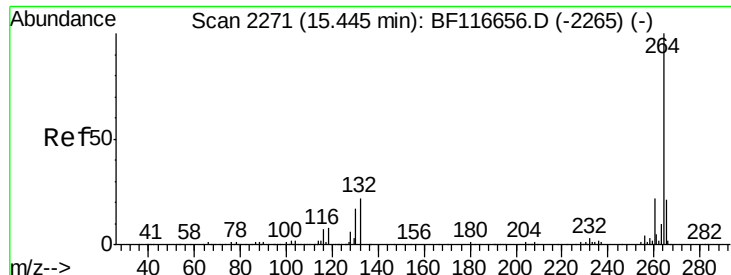
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#79
 Terphenyl-d14
 Concen: 43.176 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF116939.D
 Acq: 10 Sep 2019 23:21

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.1	9.1
122	12.1	10.2	15.4





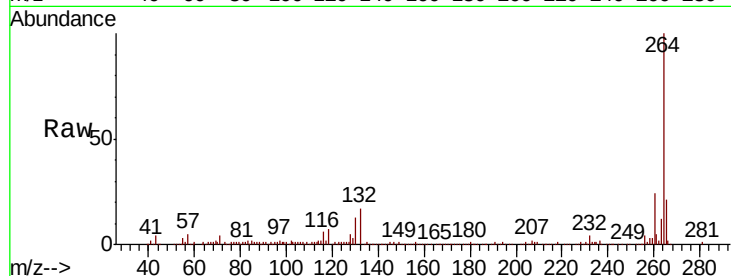
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF116939.D
Acq: 10 Sep 2019 23:21

Instrument :
BNA_F
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	18.3	27.5
265	20.6	16.5	24.7

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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

