Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
Data File : BF116891.D
Acq On : 9 Sep 2019 1:56
Operator : HP/JU
Sample : K4689-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-4A

Manual Integrations APPROVED
mohammad
9/12/2019 9:26:34 AM

Quant Time: Sep 09 15:34:35 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	80933	20.00	ng		0.00
21) Naphthalene-d8	8.15	136	245863	20.00	ng		0.02
39) Acenaphthene-d10	9.88	164	174557	20.00	ng		0.00
64) Phenanthrene-d10	11.36	188	283272	20.00	ng		0.00
76) Chrysene-d12	14.00	240	158311	20.00	ng		0.00
87) Perylene-d12	15.45	264	175759	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	264926	53.03	ng		0.00
7) Phenol-d6	6.48	99	227971	34.75	ng		0.00
23) Nitrobenzene-d5	7.41	82	483227	112.20	ng		0.00
42) 2,4,6-Tribromophenol	10.67	330	178094	152.61	ng		0.00
45) 2-Fluorobiphenyl	9.20	172	884943	85.52	ng		0.00
79) Terphenyl-d14	12.95	244	770235	90.01	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.49	94	24920	3.431	ng		89
17) 2-Methylphenol	7.10	107	41125	8.614	ng		96
20) 3+4-Methylphenols	7.26	107	28188	5.078	ng	#	82
31) Naphthalene	8.21	128	15793698	1350.924	ng	#	92
37) 2-Methylnaphthalene	8.87	142	4805424	617.770	ng		97
38) 1-Methylnaphthalene	8.98	142	5718951m	778.829	ng		
46) 1,1'-Biphenyl	9.31	154	1334435	100.746	ng		98
50) Dimethylphthalate	9.60	163	50648	4.203	ng		96
52) Acenaphthene	9.93	154	1980424	203.245	ng		98
55) Dibenzofuran	10.10	168	1883810	137.141	ng		96
58) Fluorene	10.44	166	1120591	107.065	ng		98
71) Phenanthrene	11.40	178	1231175	78.077	ng		100
72) Anthracene	11.44	178	199226	12.551	ng		97
73) Carbazole	11.60	167	339324	22.441	ng		99
75) Fluoranthene	12.57	202	151638	9.785	ng		99
78) Pyrene	12.80	202	100047	7.109	ng		94

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

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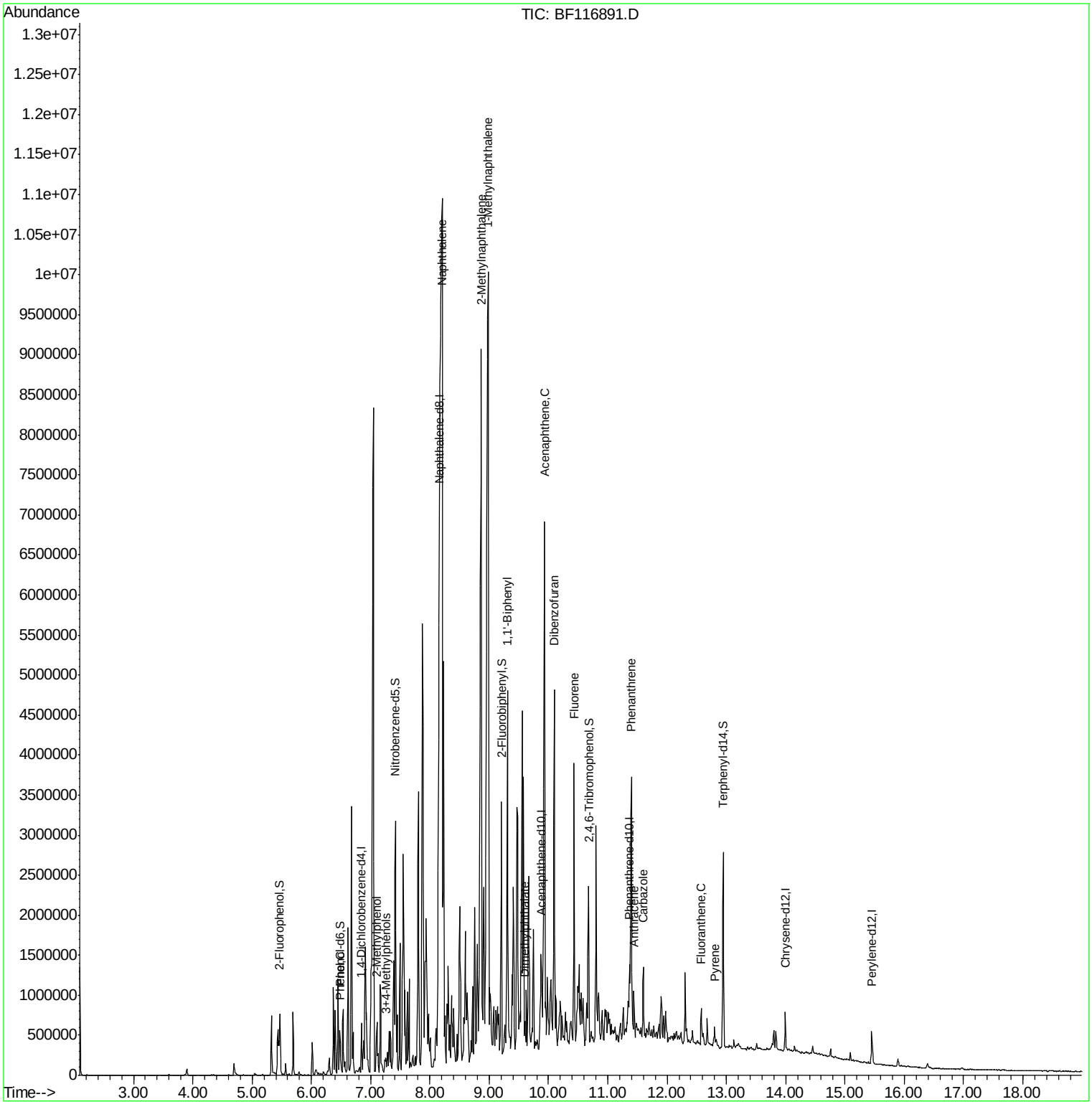
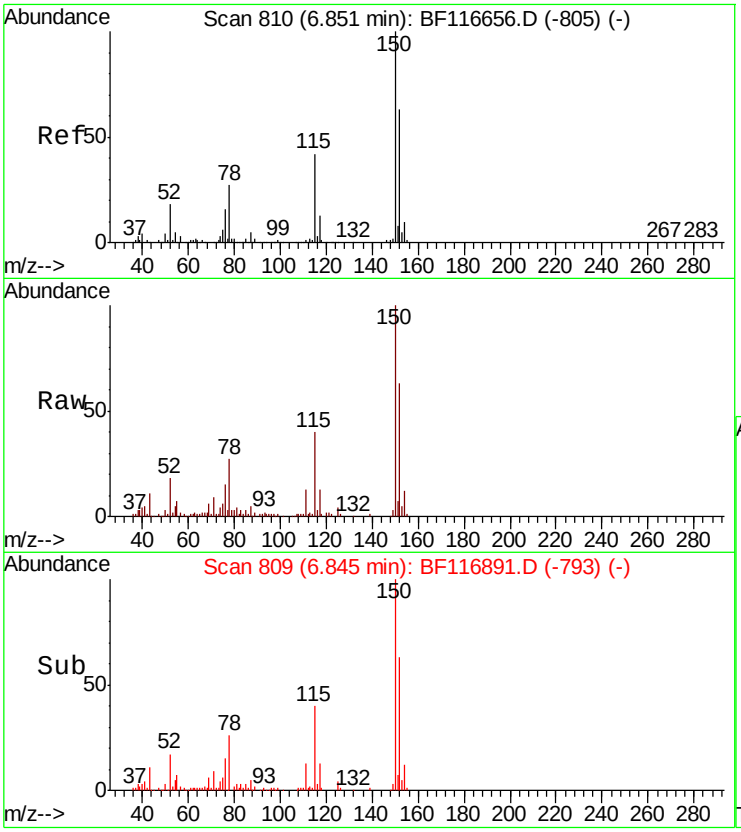
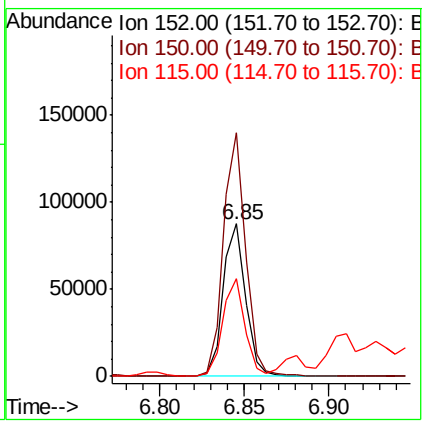




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:152 Resp: 80933

Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.4	186.6
115	63.8	49.9	74.9



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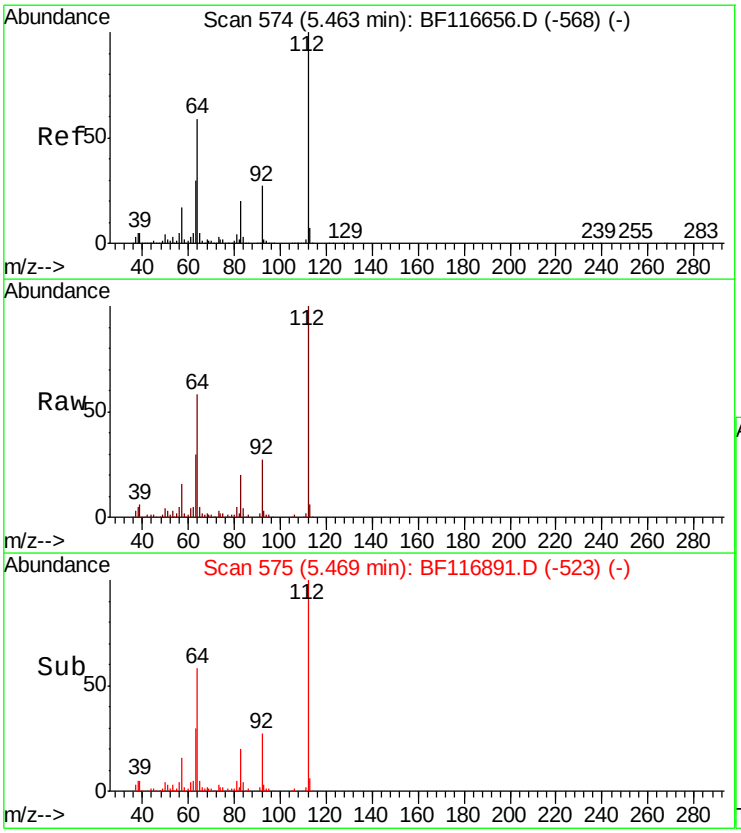
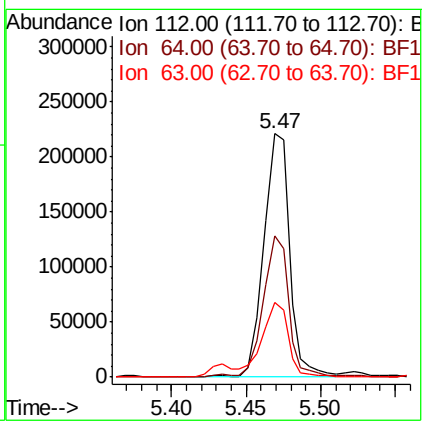
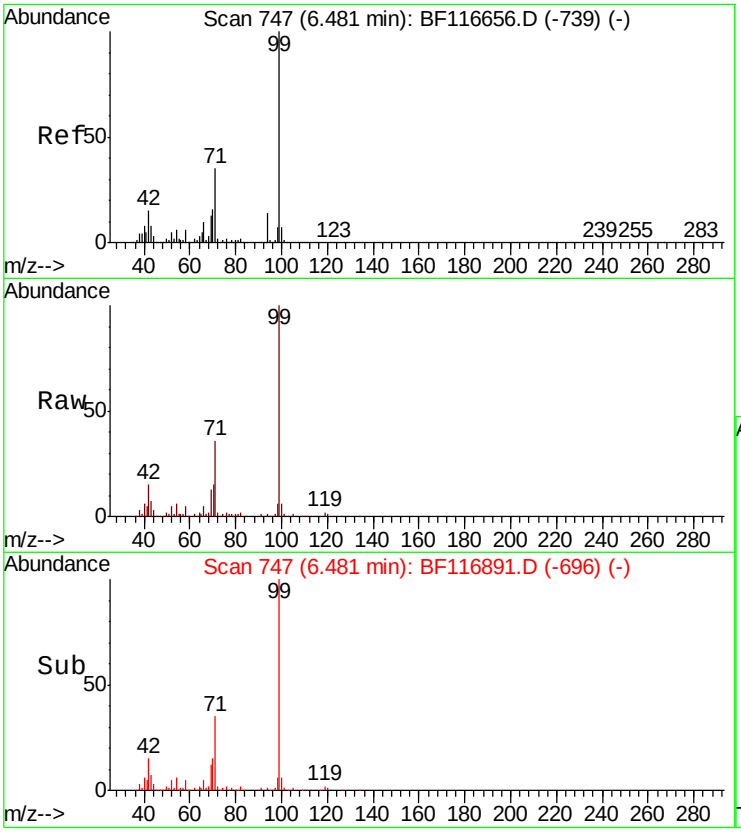


#5
2-Fluorophenol
Concen: 53.031 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:112 Resp: 264926

Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.1	70.7
63	30.4	24.9	37.3

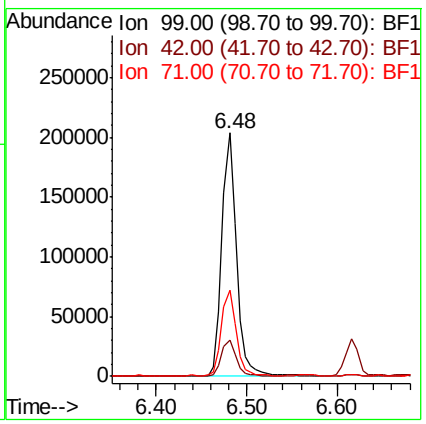




#7
Phenol-d6
Concen: 34.752 ng
RT: 6.48 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion: 99 Resp: 227971

Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.7	20.5
71	35.5	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
MW-4A

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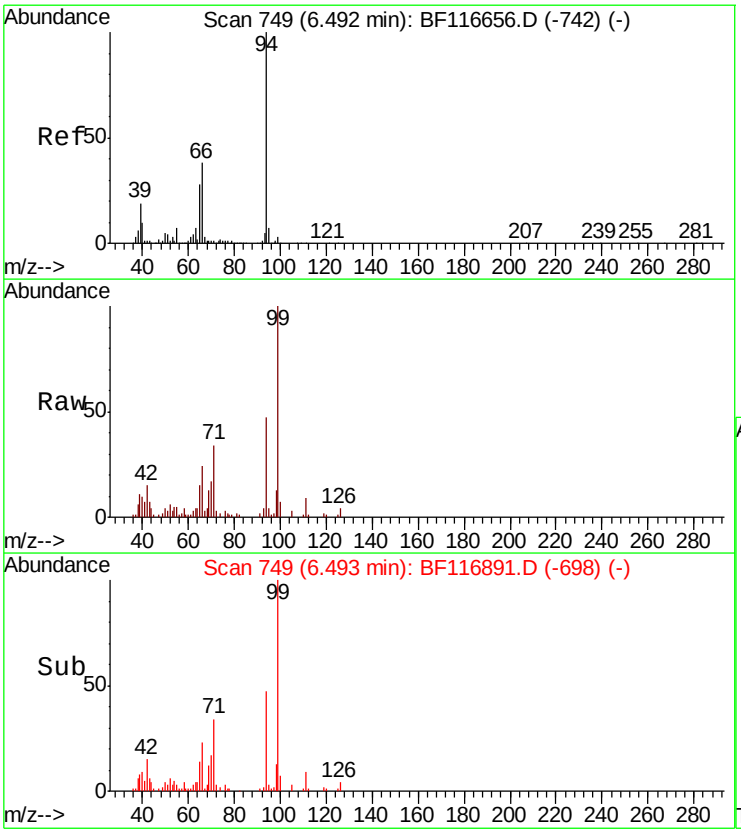
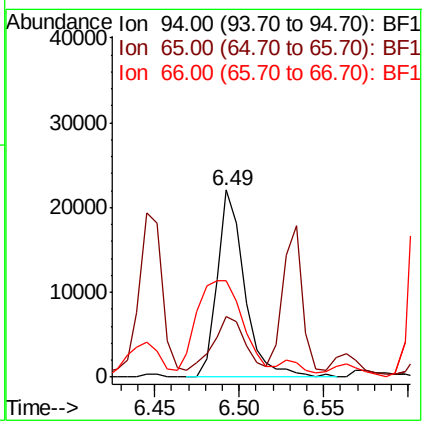
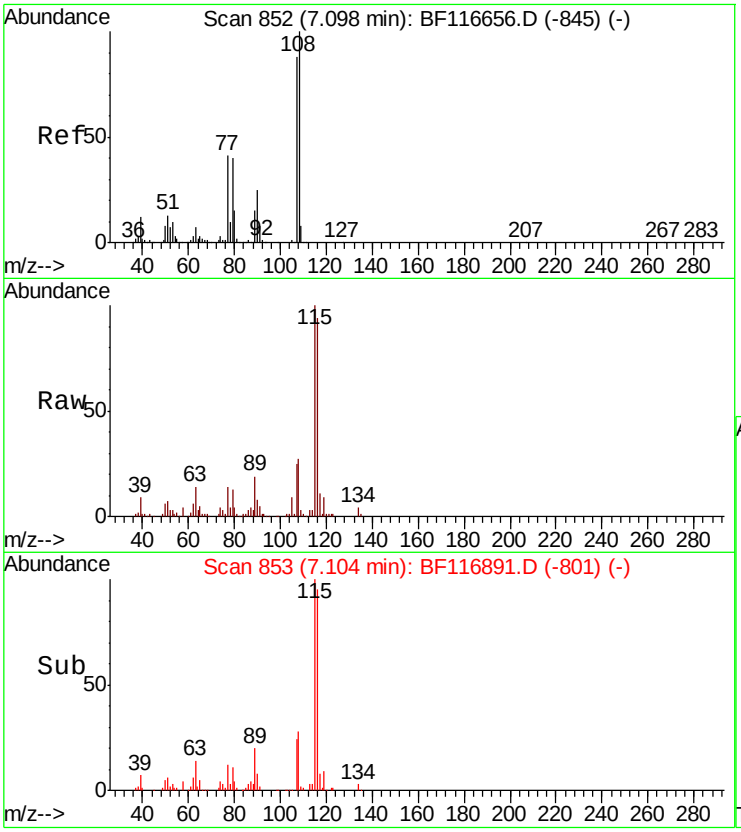


#10
Phenol
Concen: 3.431 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion: 94 Resp: 24920

Ion	Ratio	Lower	Upper
94	100		
65	32.1	10.8	50.8
66	51.5	21.1	61.1

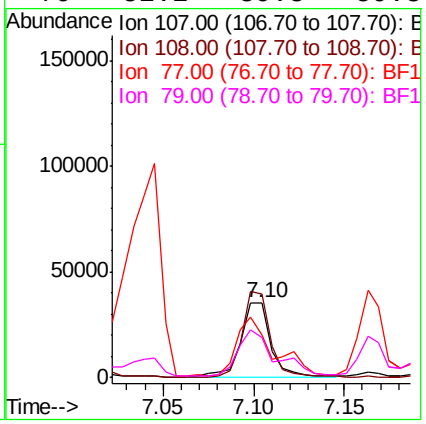




#17
2-Methylphenol
Concen: 8.614 ng
RT: 7.10 min Scan# 853
Delta R.T. 0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:107 Resp: 41125

Ion	Ratio	Lower	Upper
107	100		
108	111.8	88.3	132.5
77	57.0	39.9	59.9
79	52.2	39.8	59.8



Instrument :
BNA_F
ClientSampleId :
MW-4A

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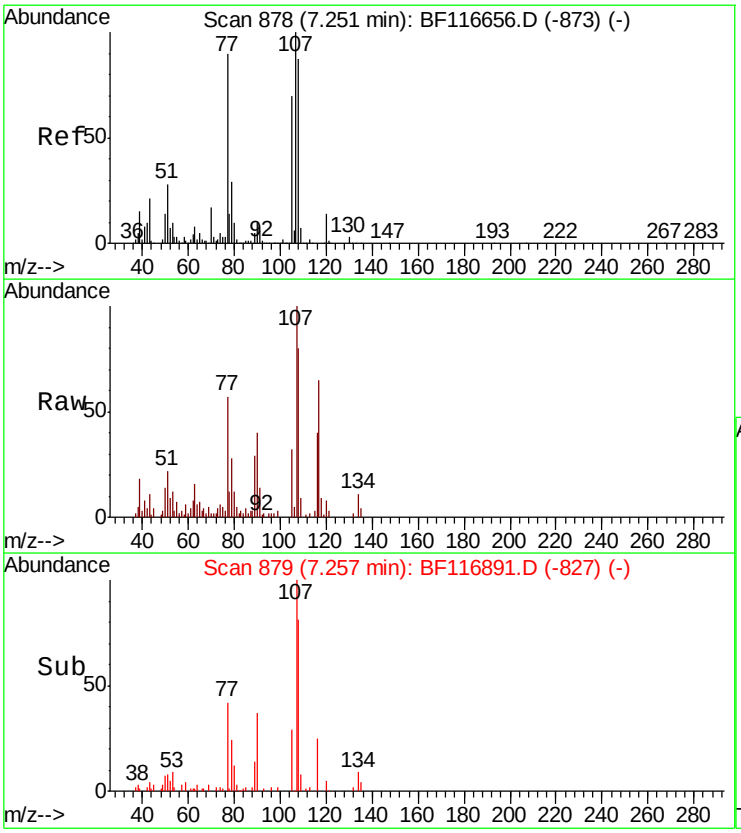
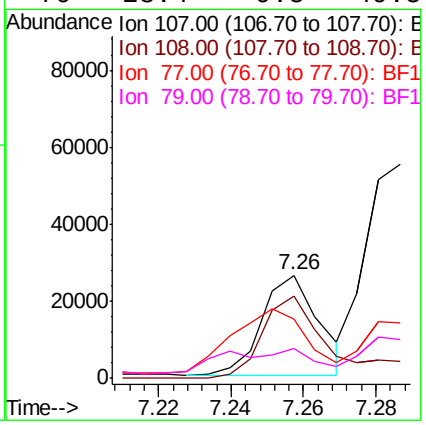
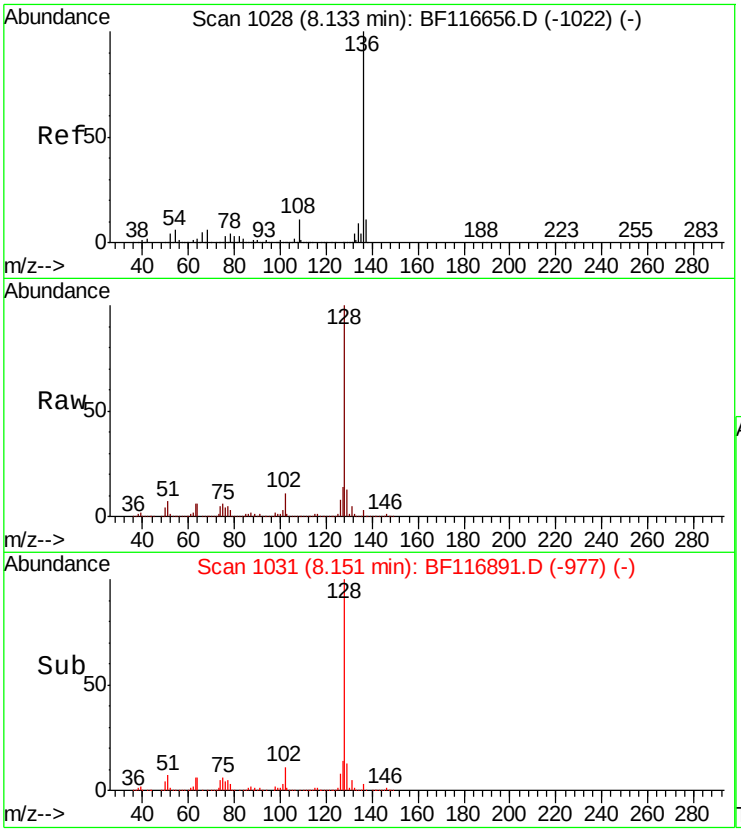


#20
3+4-Methylphenols
Concen: 5.078 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:107 Resp: 28188

Ion	Ratio	Lower	Upper
107	100		
108	79.9	65.5	105.5
77	57.1	69.4	109.4#
79	28.4	9.5	49.5

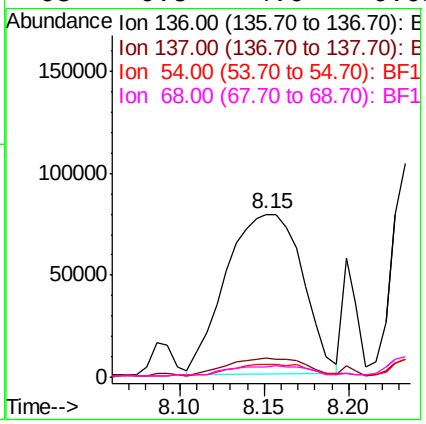




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.02 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:136 Resp: 245863

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	7.5	4.8	7.2#
68	6.5	4.0	6.0#



Instrument :
BNA_F
ClientSampleId :
MW-4A

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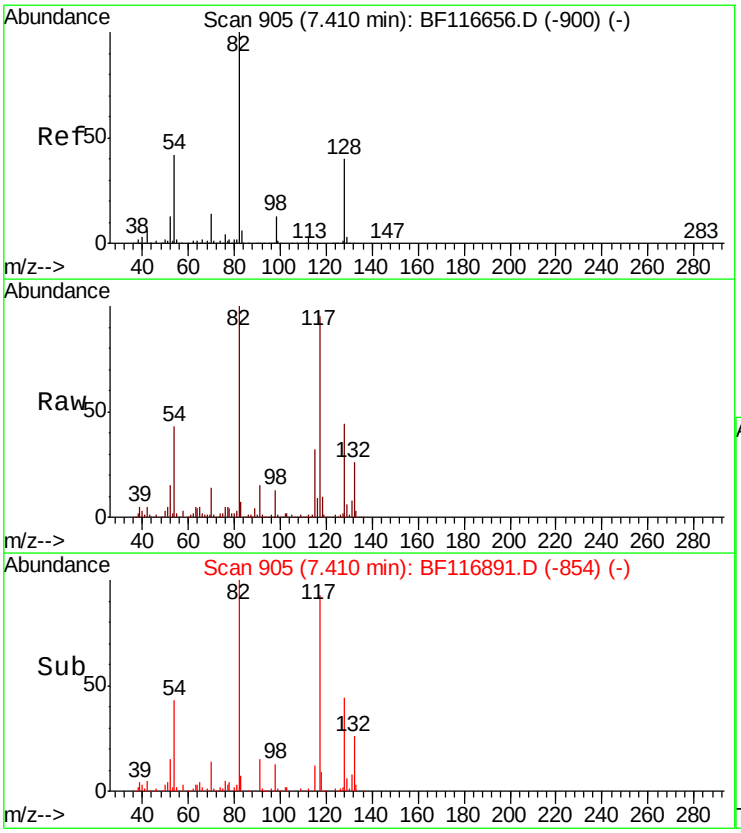
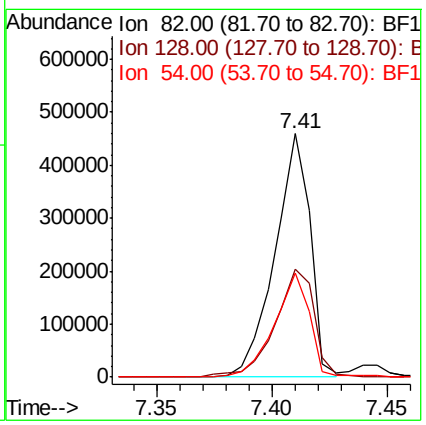
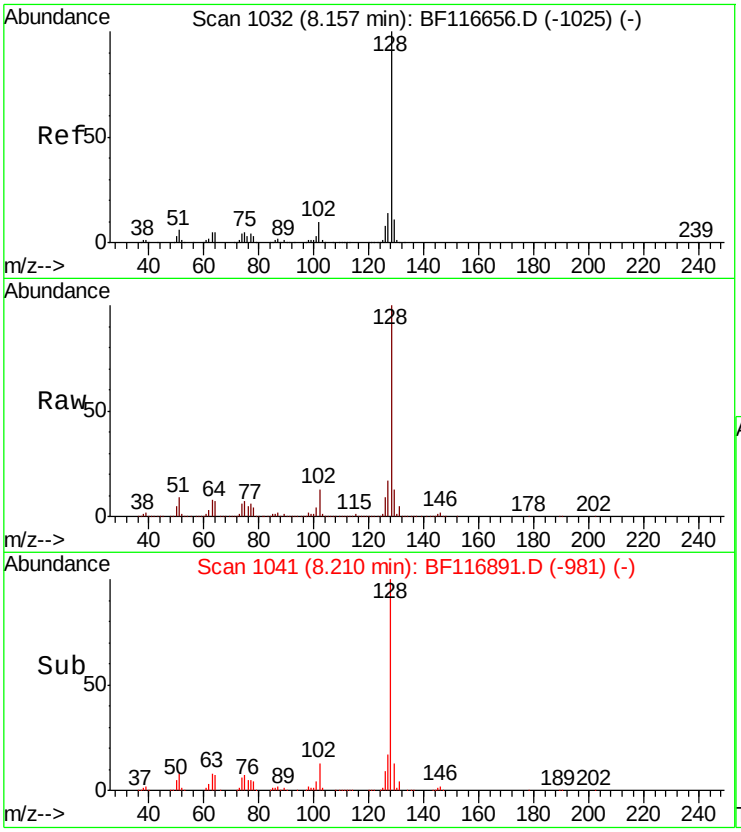


#23
Nitrobenzene-d5
Concen: 112.201 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.00 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion: 82 Resp: 483227

Ion	Ratio	Lower	Upper
82	100		
128	44.4	32.8	49.2
54	42.9	36.9	55.3

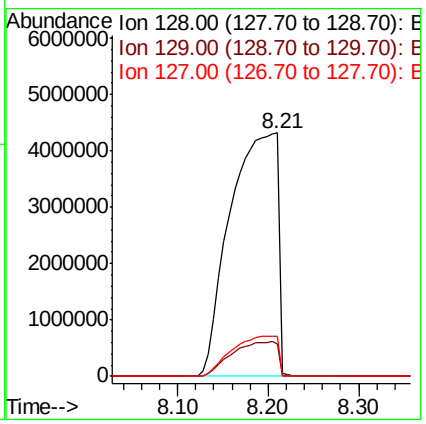




#31
Naphthalene
Concen: 1350.924 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.05 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:128 Resp:15793698

Ion	Ratio	Lower	Upper
128	100		
129	13.3	8.6	13.0#
127	16.7	10.4	15.6#



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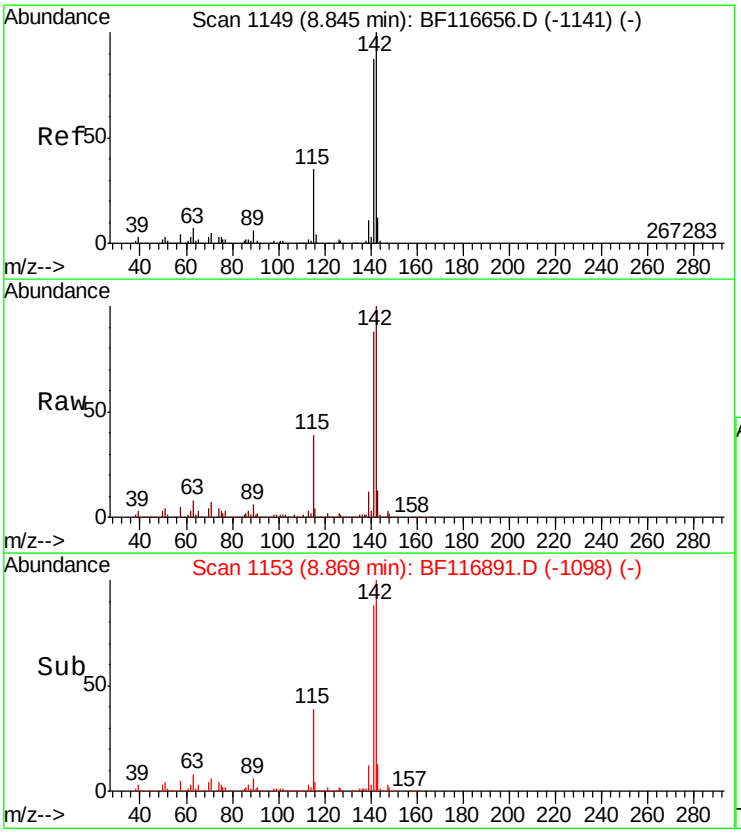
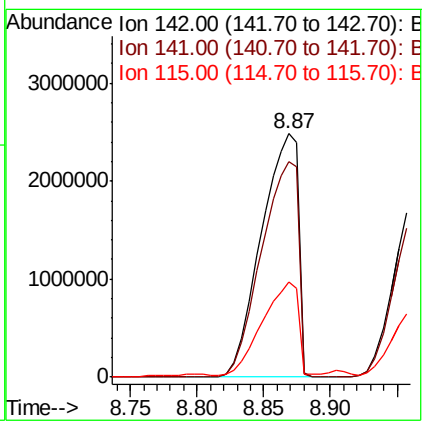
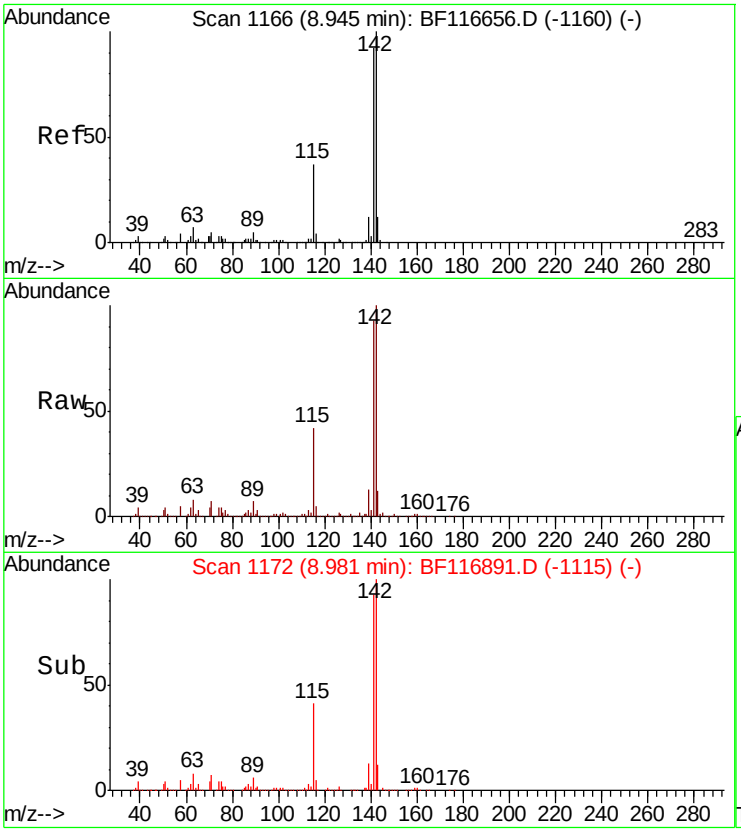


#37
2-Methylnaphthalene
Concen: 617.770 ng
RT: 8.87 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:142 Resp: 4805424

Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.6	109.0
115	39.0	29.8	44.6

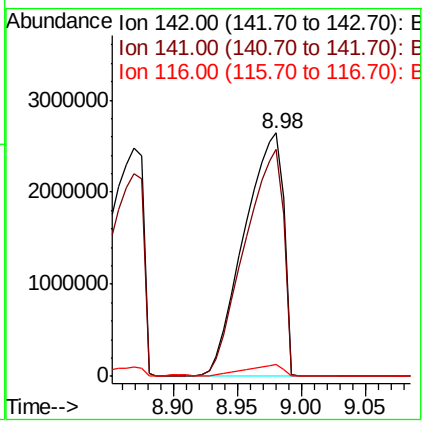




#38
1-Methylnaphthalene
Concen: 778.829 ng m
RT: 8.98 min Scan# 1172
Delta R.T. 0.04 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:142 Resp: 5718951

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.9	110.9
116	4.7	3.0	4.6#



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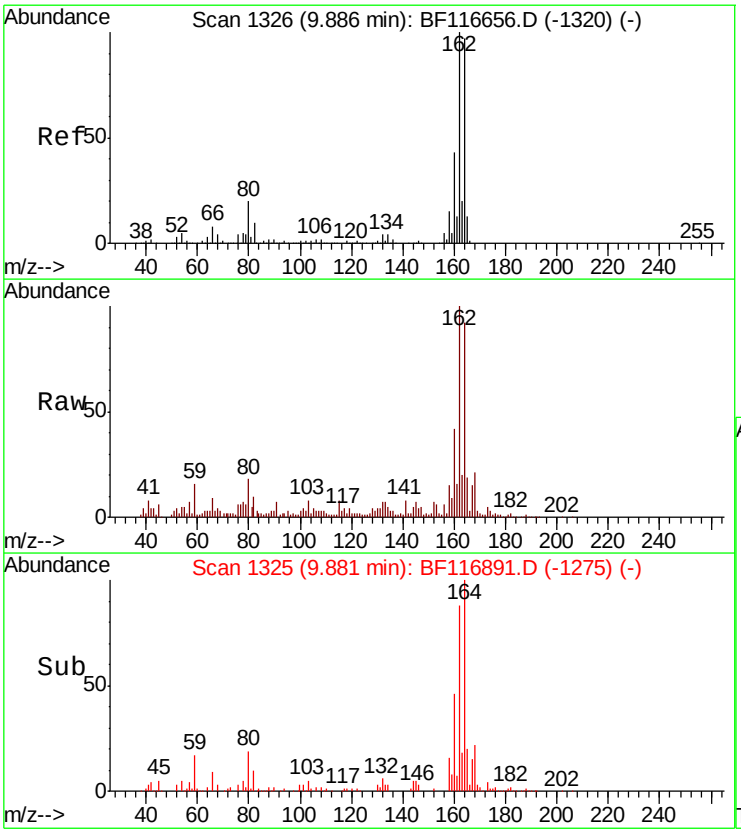
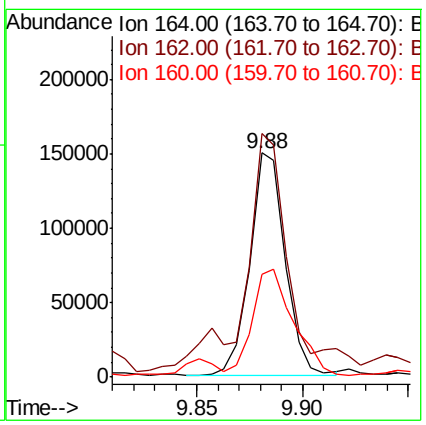
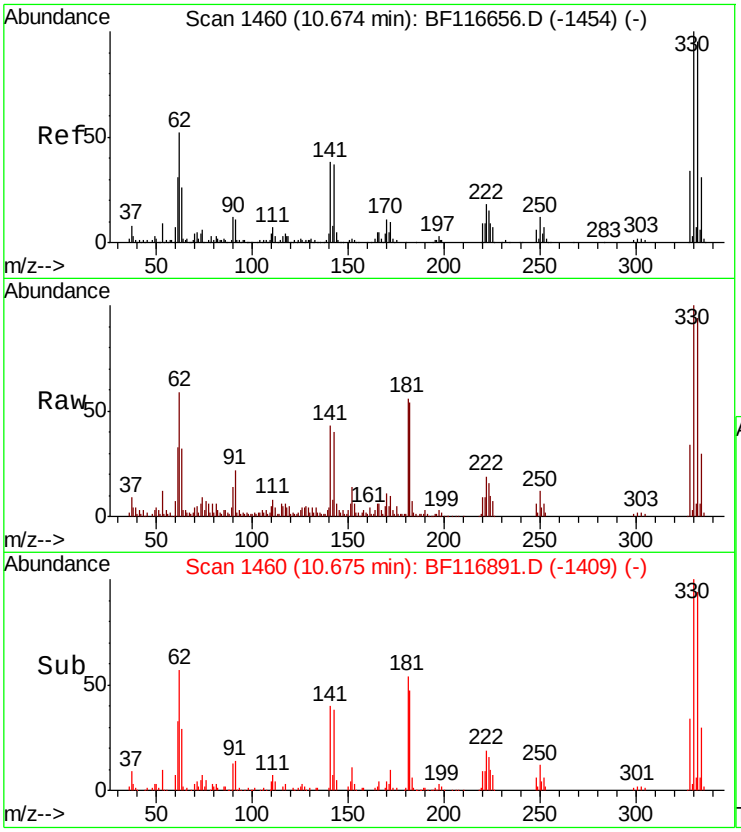


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:164 Resp: 174557

Ion	Ratio	Lower	Upper
164	100		
162	108.6	81.4	122.0
160	45.6	35.4	53.2





#42
2,4,6-Tribromophenol
Concen: 152.615 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:330 Resp: 178094

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.9	115.3
141	50.2	31.4	47.2#

Instrument :
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ClientSampleId :
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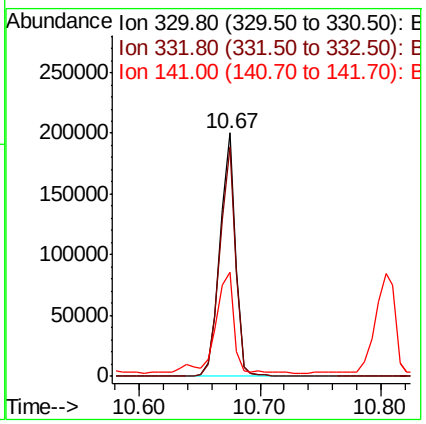
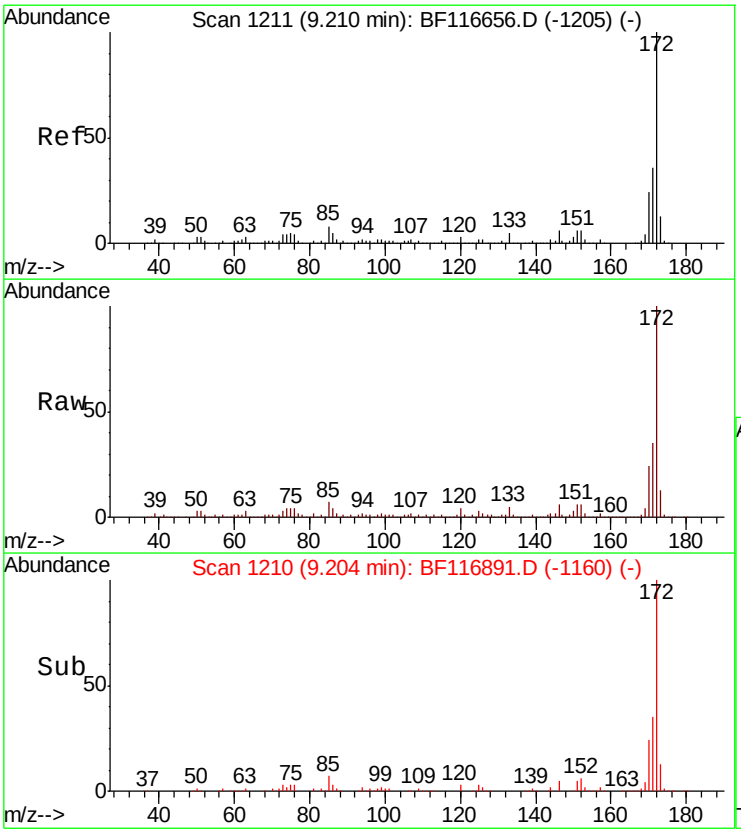
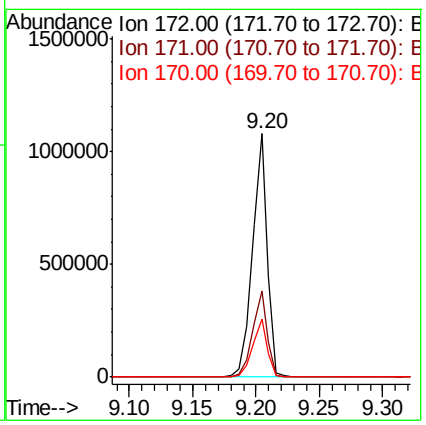


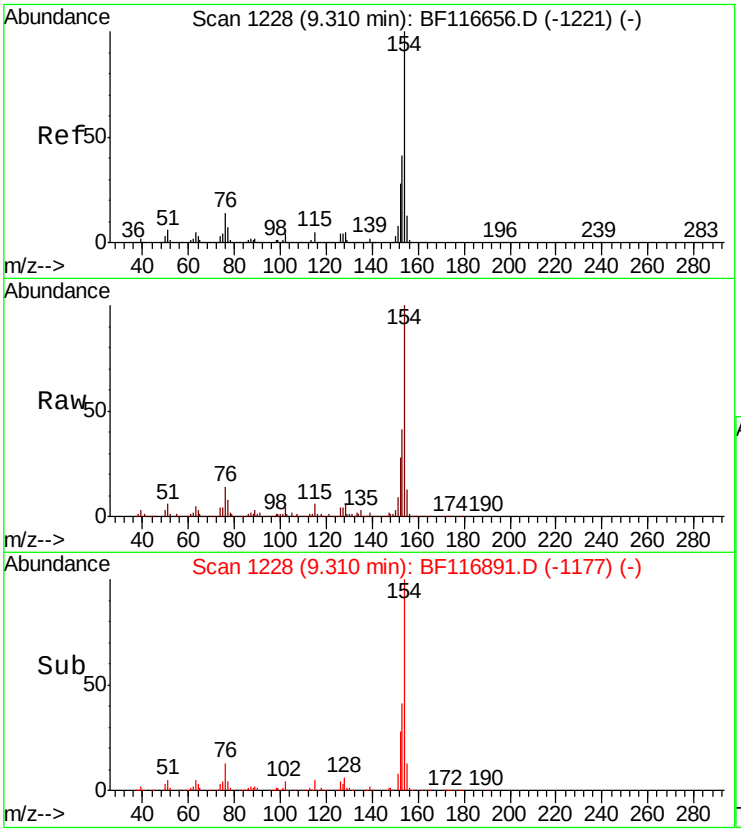


#45
2-Fluorobiphenyl
Concen: 85.520 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:172 Resp: 884943

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.6
170	24.1	18.9	28.3

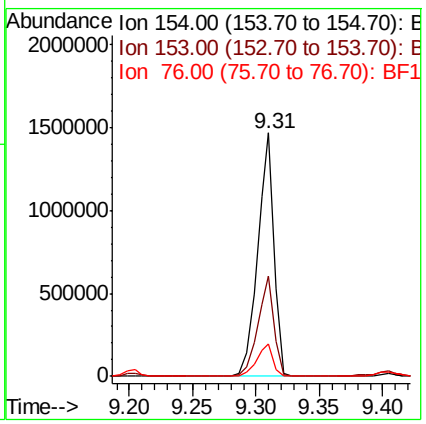




#46
1,1'-Biphenyl
Concen: 100.746 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:154 Resp: 1334435

Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.2	61.2
76	13.5	0.0	30.9



Instrument :
BNA_F
ClientSampleId :
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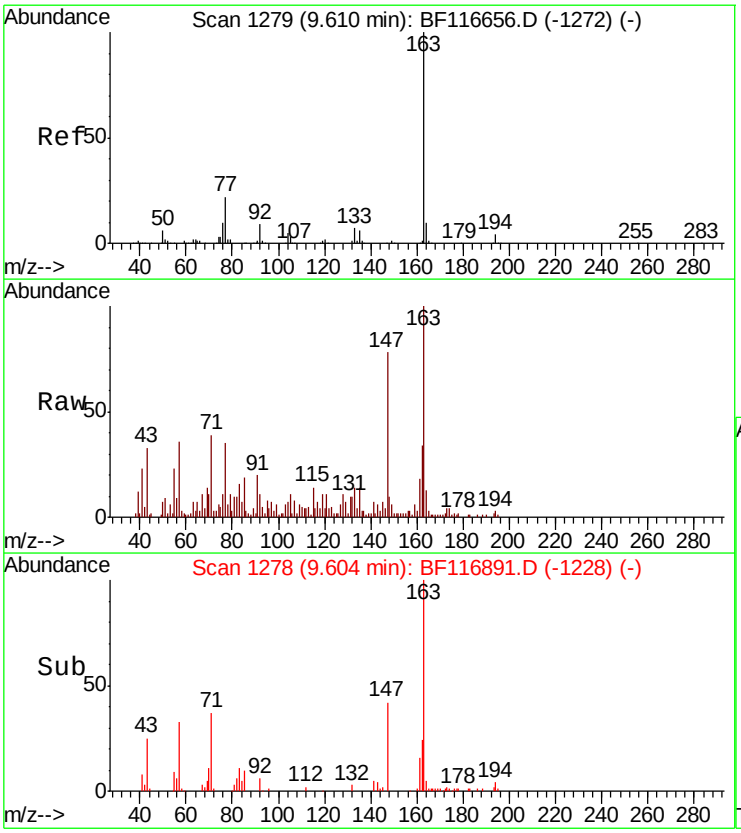
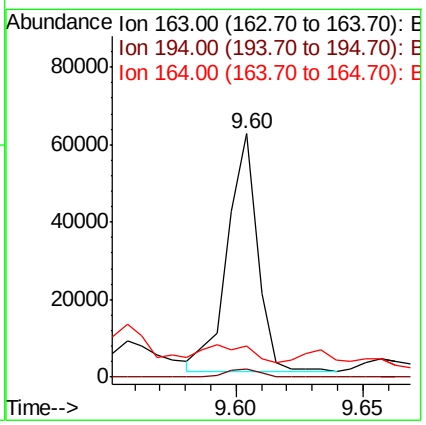
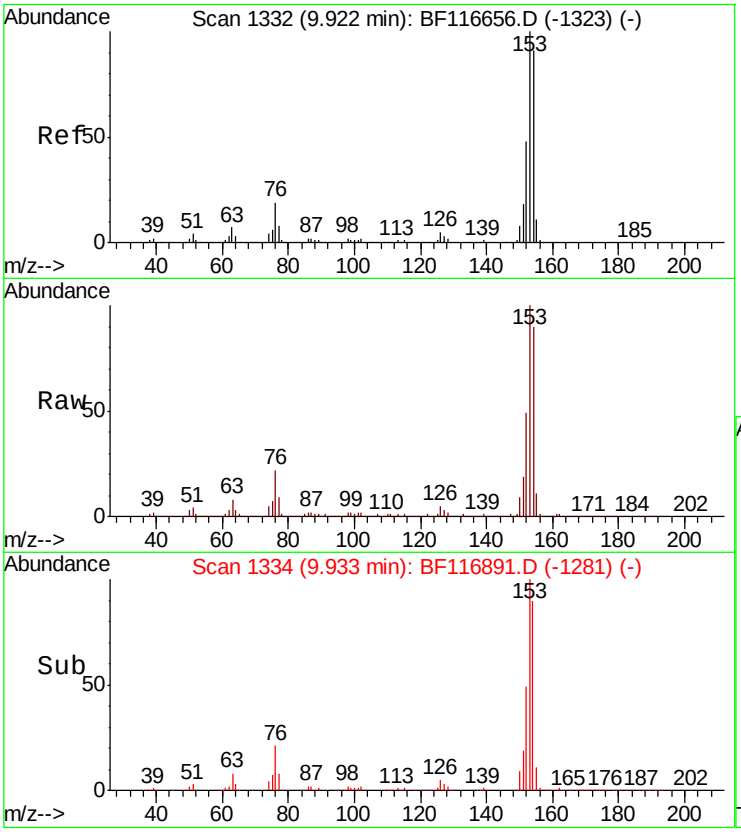


#50
Dimethylphthalate
Concen: 4.203 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:163 Resp: 50648

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	12.8	8.6	12.8

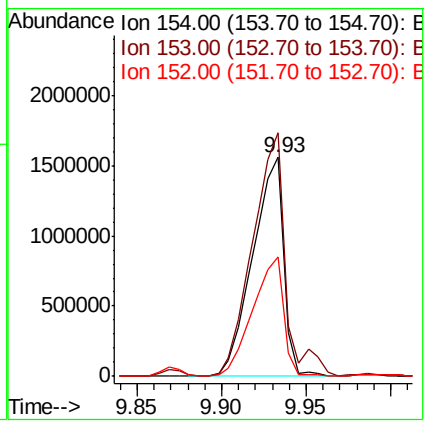




#52
Acenaphthene
Concen: 203.245 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:154 Resp: 1980424

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.5	134.3
152	54.8	41.9	62.9



Instrument :
BNA_F
ClientSampleId :
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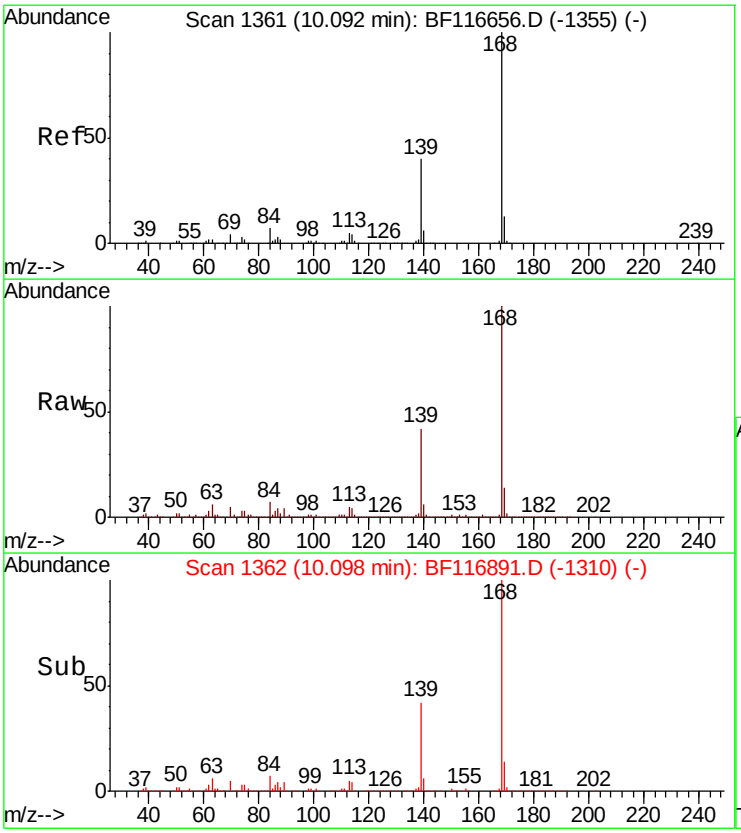
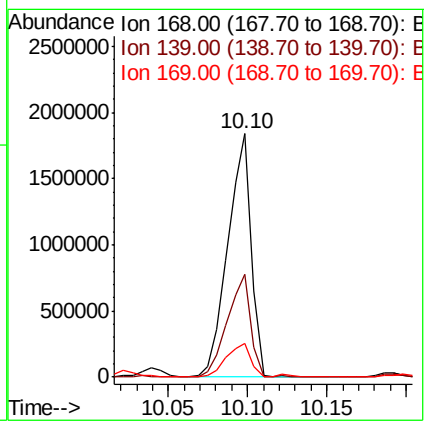
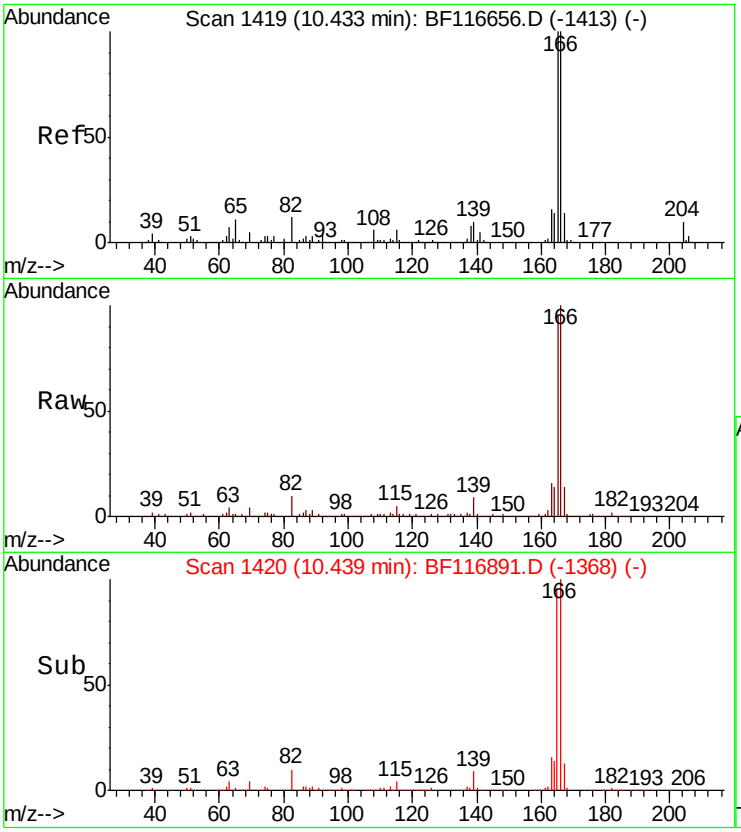


#55
Dibenzofuran
Concen: 137.141 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:168 Resp: 1883810

Ion	Ratio	Lower	Upper
168	100		
139	42.4	31.5	47.3
169	13.8	10.3	15.5

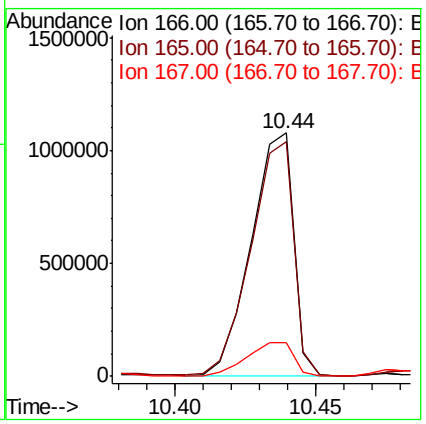




#58
Fluorene
Concen: 107.065 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:166 Resp: 1120591

Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.8	118.2
167	13.9	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
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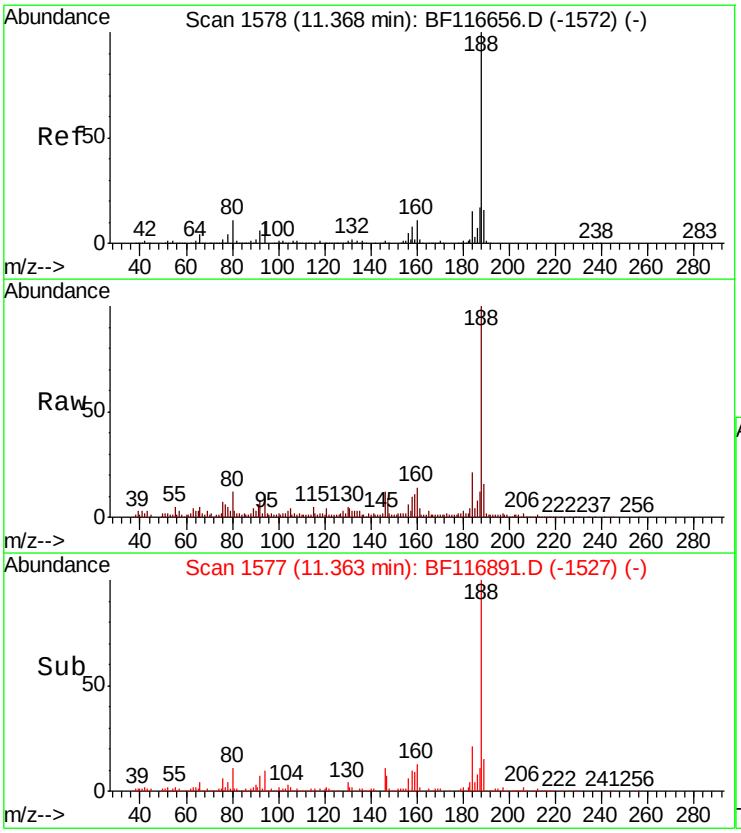
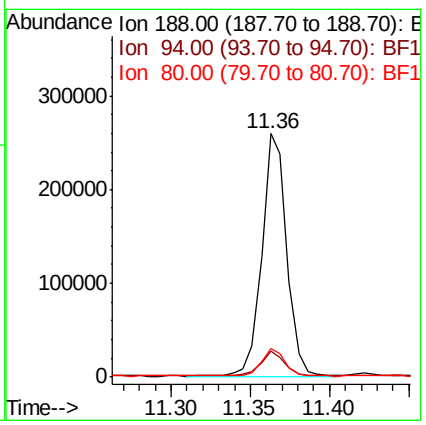
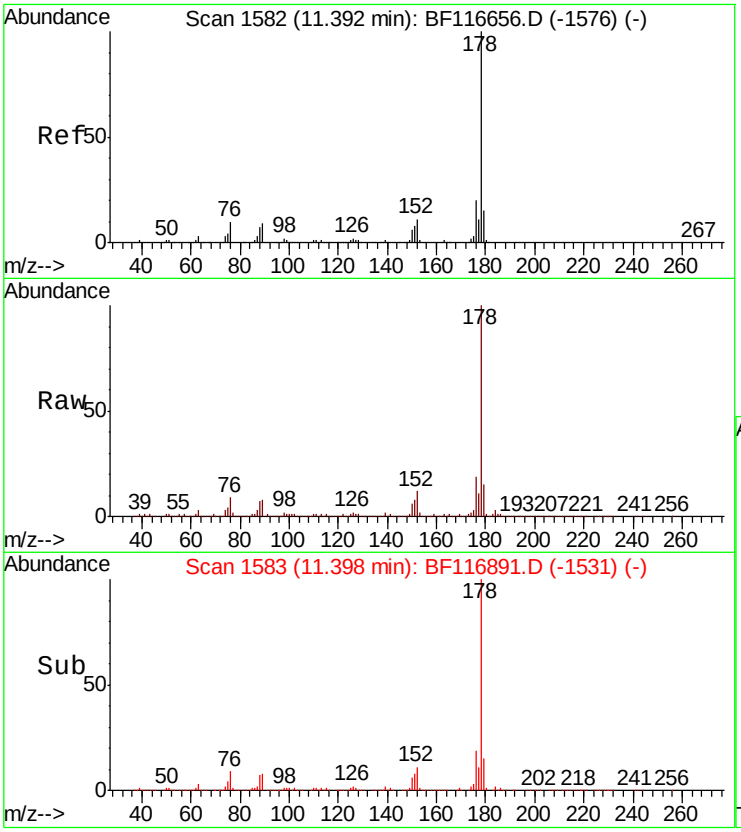


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:188 Resp: 283272

Ion	Ratio	Lower	Upper
188	100		
94	10.9	7.3	10.9
80	11.7	8.4	12.6

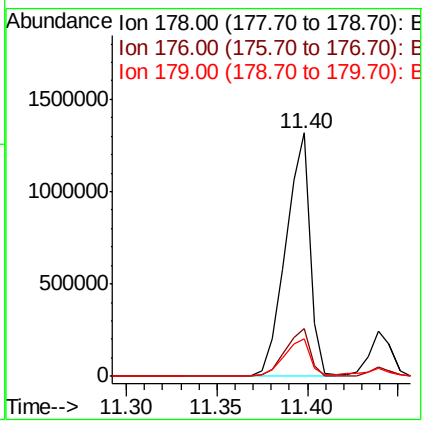




#71
Phenanthrene
Concen: 78.077 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:178 Resp: 1231175

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.2	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
MW-4A

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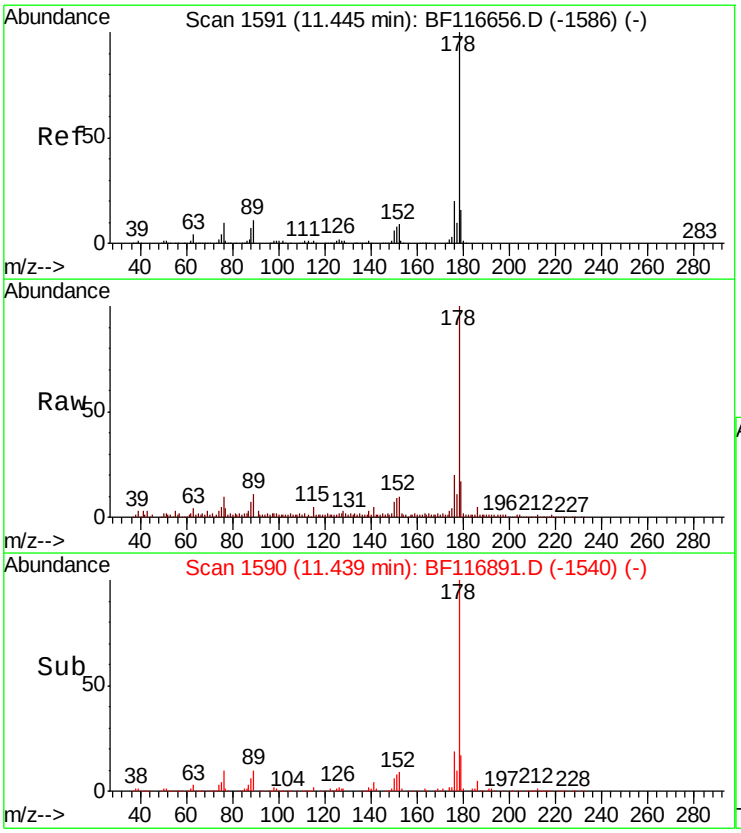
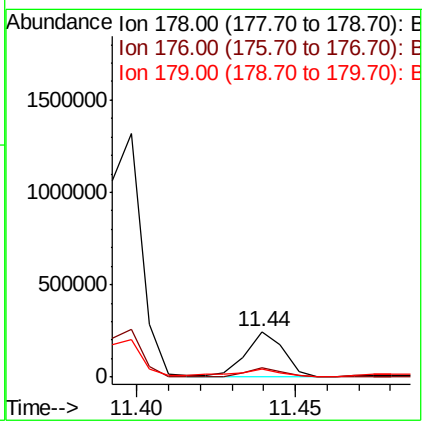
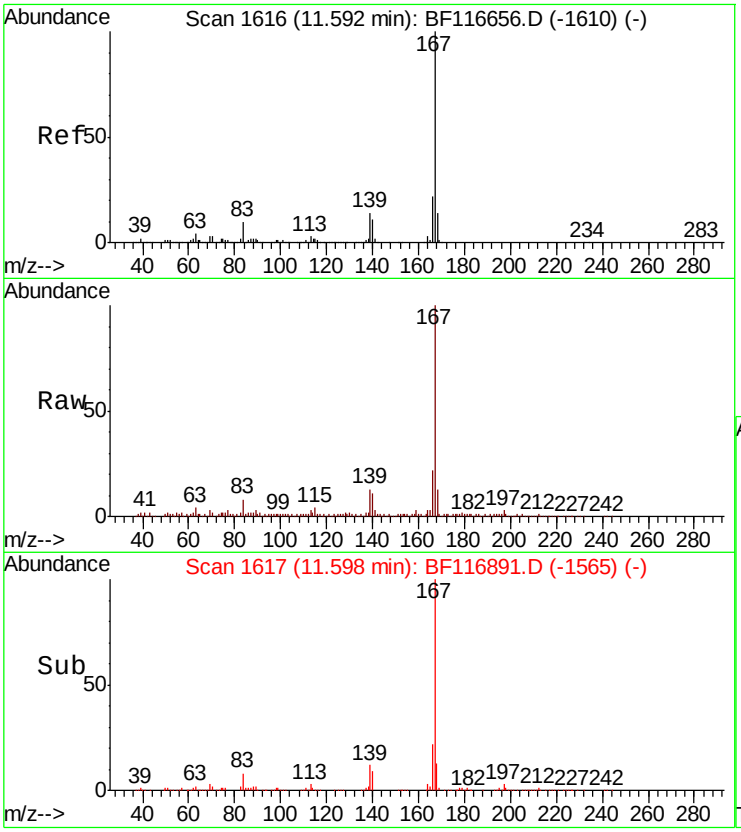


#72
Anthracene
Concen: 12.551 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:178 Resp: 199226

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.0
179	17.3	12.5	18.7

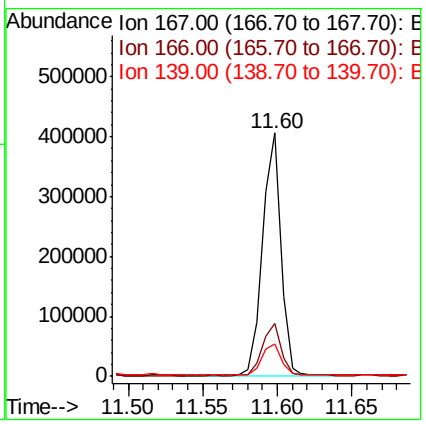




#73
Carbazole
Concen: 22.441 ng
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:167 Resp: 339324

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	13.5	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
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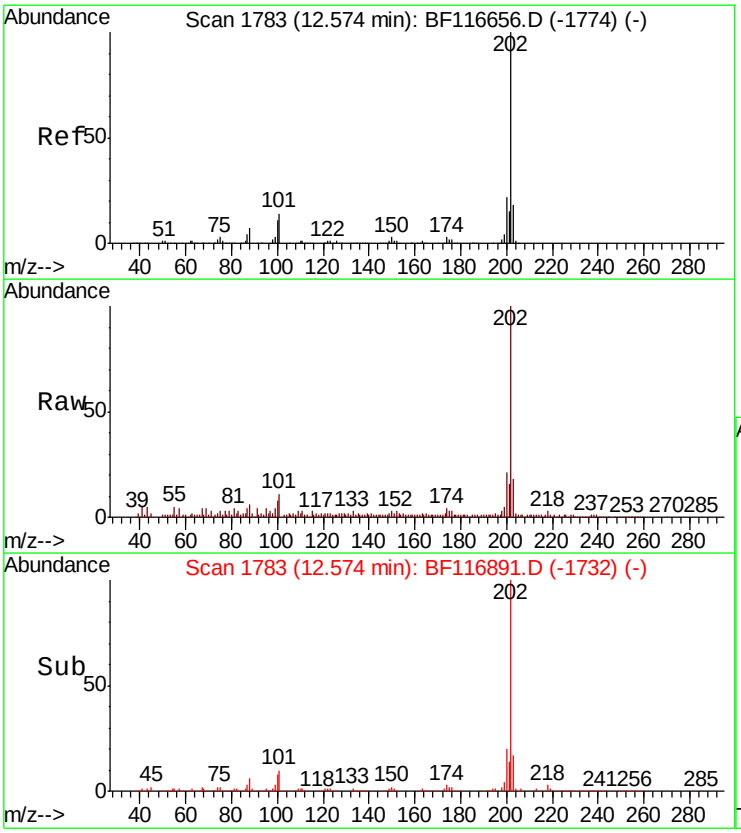
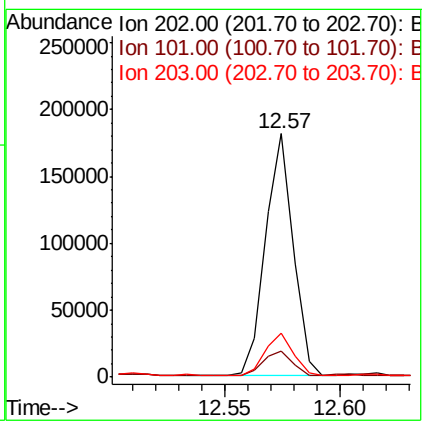
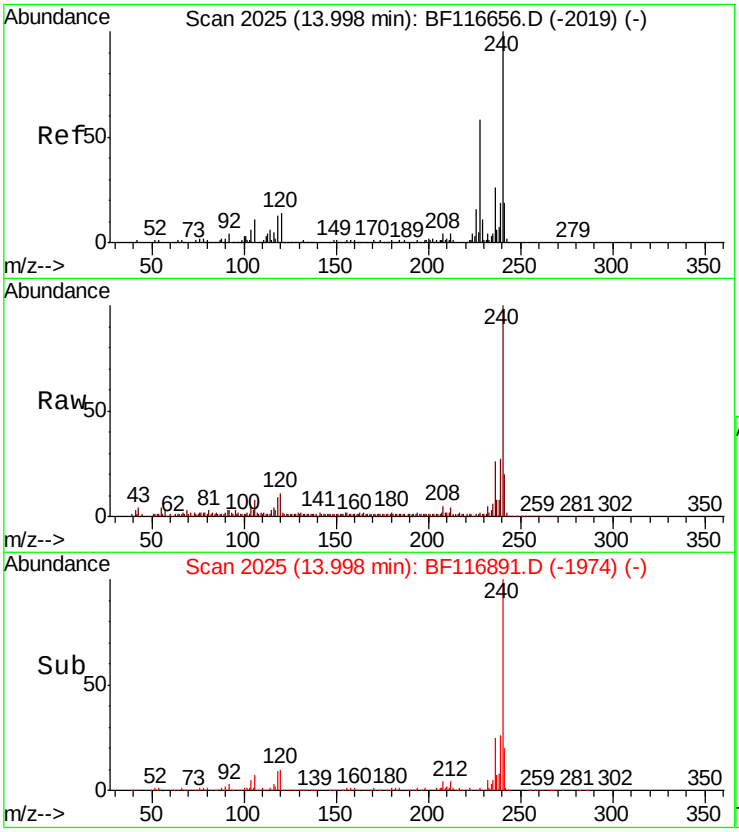


#75
Fluoranthene
Concen: 9.785 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:202 Resp: 151638

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.3
203	18.1	0.0	37.6

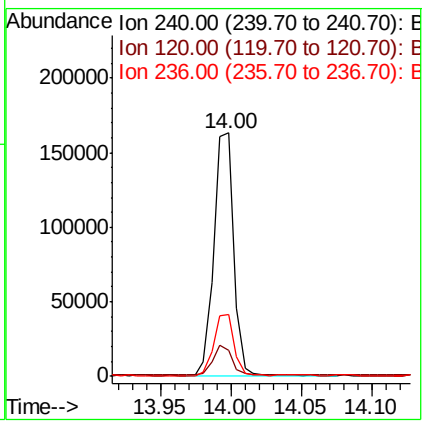




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:240 Resp: 158311

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.1	13.7
236	25.6	21.1	31.7



Instrument :
BNA_F
ClientSampleId :
MW-4A

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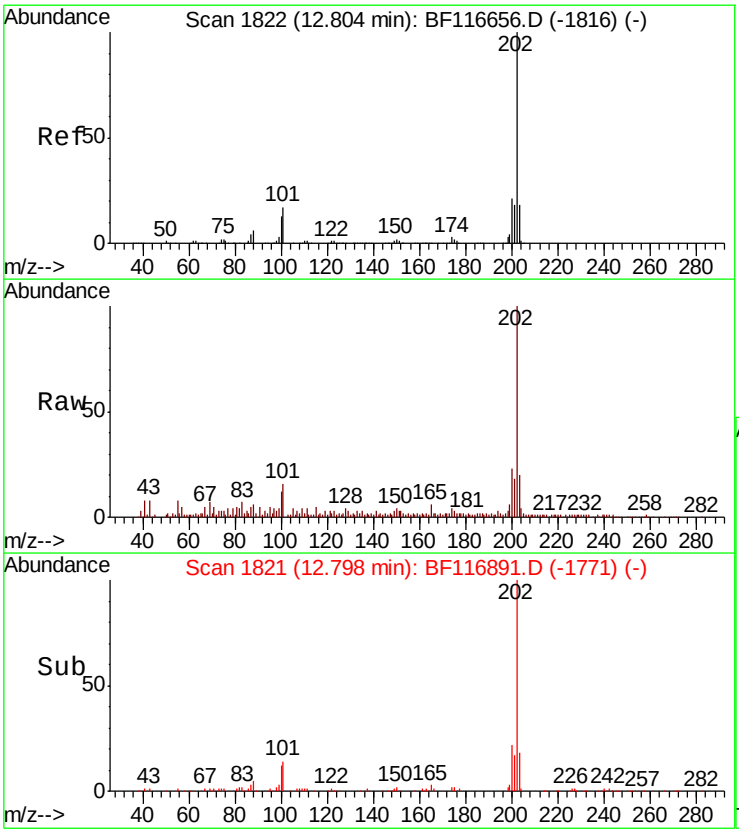
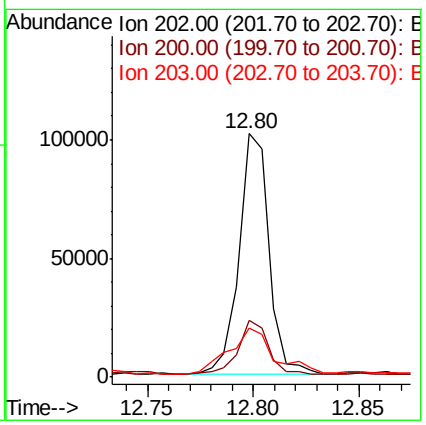
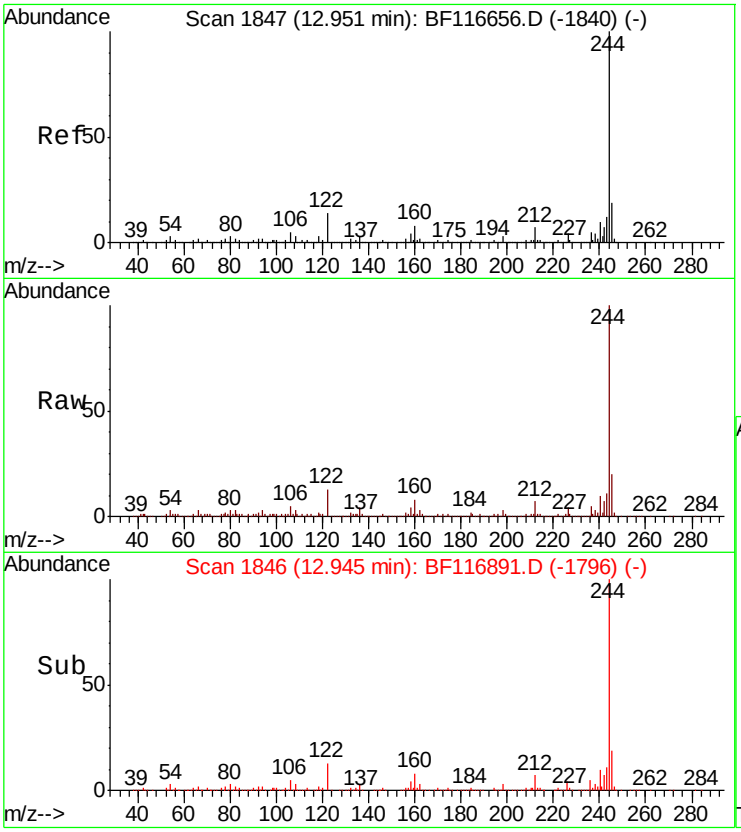


#78
Pyrene
Concen: 7.109 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:202 Resp: 100047

Ion	Ratio	Lower	Upper
202	100		
200	23.1	16.5	24.7
203	20.4	13.7	20.5

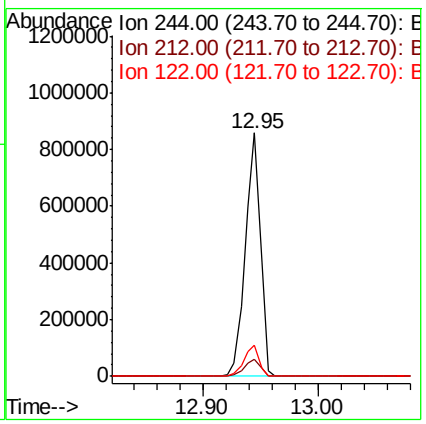




#79
Terphenyl-d14
Concen: 90.006 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:244 Resp: 770235

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	13.0	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
MW-4A

Manual Integrations APPROVED
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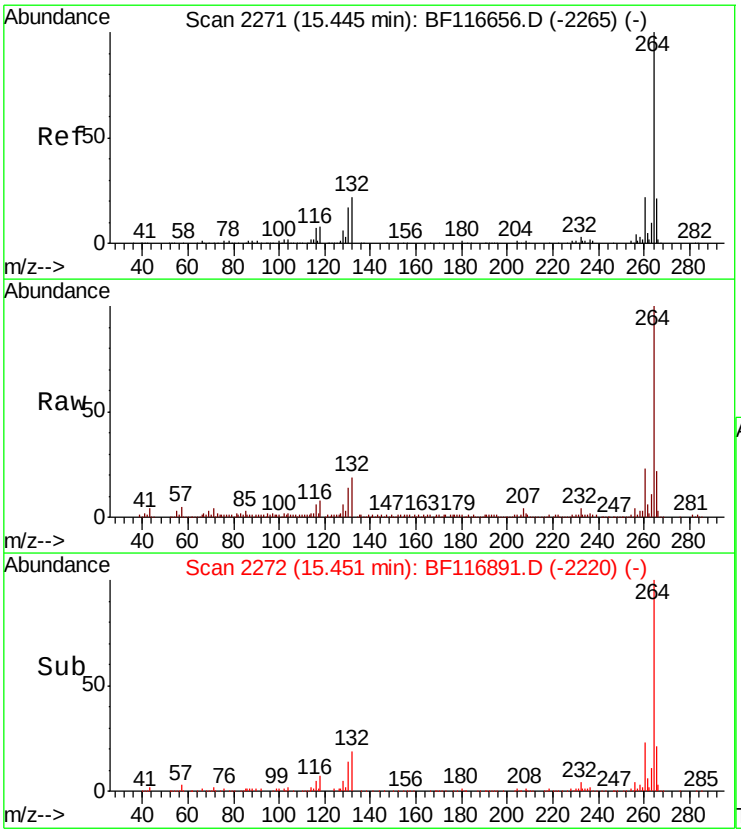

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116891.D
Acq: 9 Sep 2019 1:56

Tgt Ion:264 Resp: 175759

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.6	16.5	24.7