Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF012318\
Data File : BF102380.D
Acq On : 24 Jan 2018 9:44
Operator : SJ/JU
Sample : J1239-06DL 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

Manual Integrations APPROVED
Sohil
1/24/2018 2:47:37 PM

Quant Time: Jan 24 13:57:46 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 00:43:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	121601	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	508920	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	214762	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	312851	20.00	ng	0.00
75) Chrysene-d12	13.87	240	238582	20.00	ng	0.00
86) Perylene-d12	15.29	264	210110	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	110221	13.74	ng	0.00
7) Phenol-d6	6.35	99	117395m	12.14	ng	0.00
23) Nitrobenzene-d5	7.27	82	87851	9.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	24931	11.72	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	185866	12.73	ng	-0.01
78) Terphenyl-d14	12.82	244	131307	12.41	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	487356	46.171	ng	99
17) 2-Methylphenol	6.97	107	116801	15.997	ng	99
20) 3+4-Methylphenols	7.13	107	349855	40.742	ng	84
27) 2,4-Dimethylphenol	7.66	122	67514	9.748	ng	92
31) Naphthalene	8.02	128	1251682	49.260	ng	100
37) 2-Methylnaphthalene	8.71	142	36517	2.158	ng	96
48) Acenaphthylene	9.61	152	85651	3.683	ng	98
72) Carbazole	11.47	167	97831	5.389	ng	98

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

Manual Integrations APPROVED
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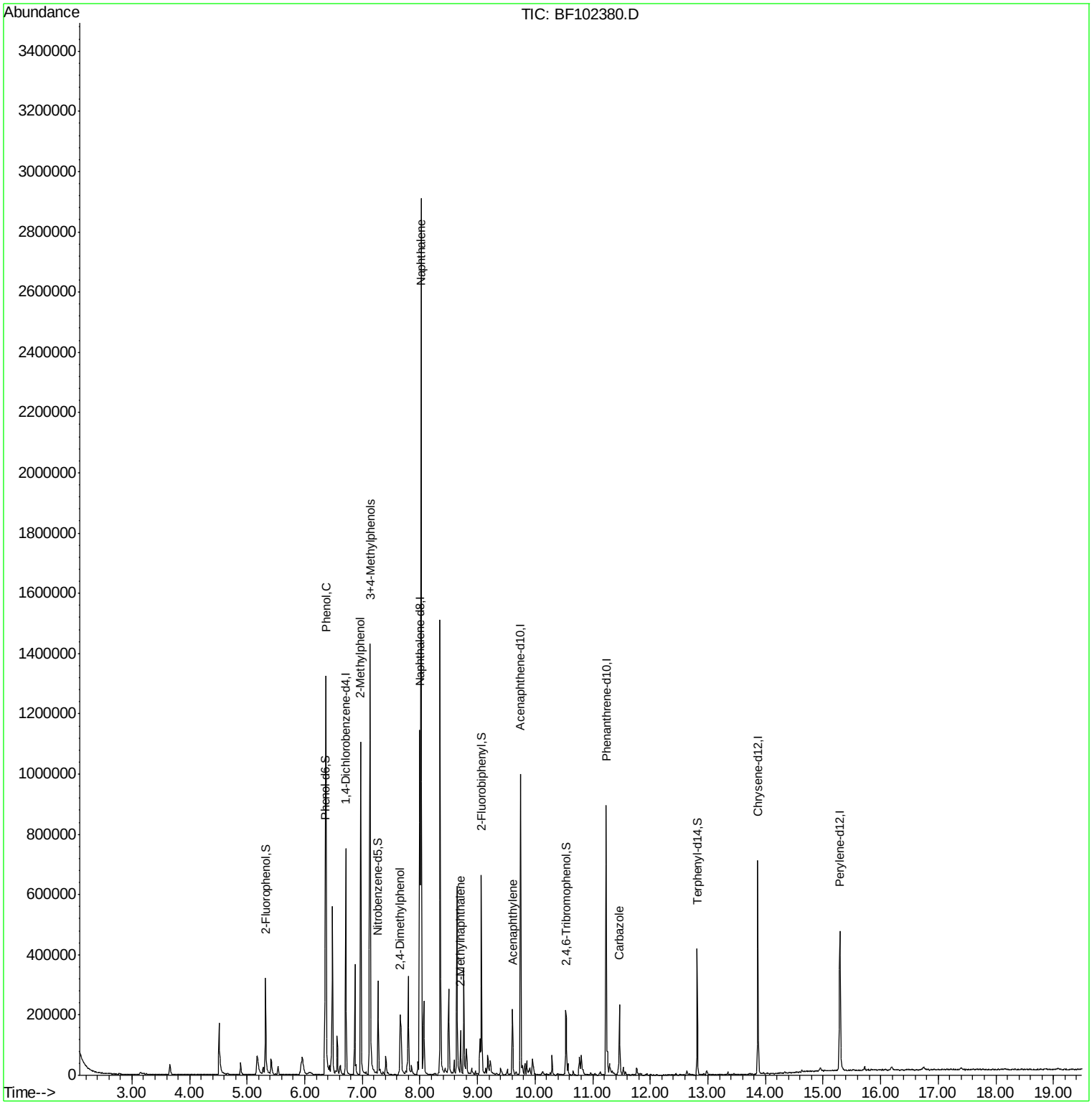
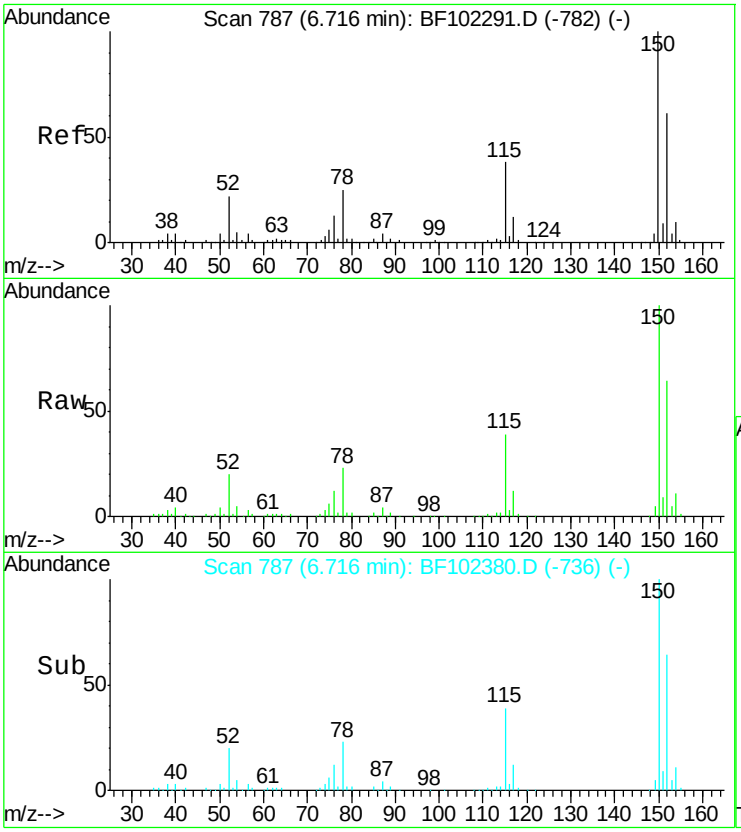
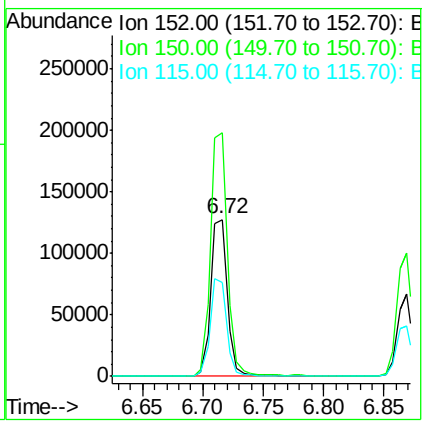




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:152 Resp: 121601

Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	60.0	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

Manual Integrations APPROVED
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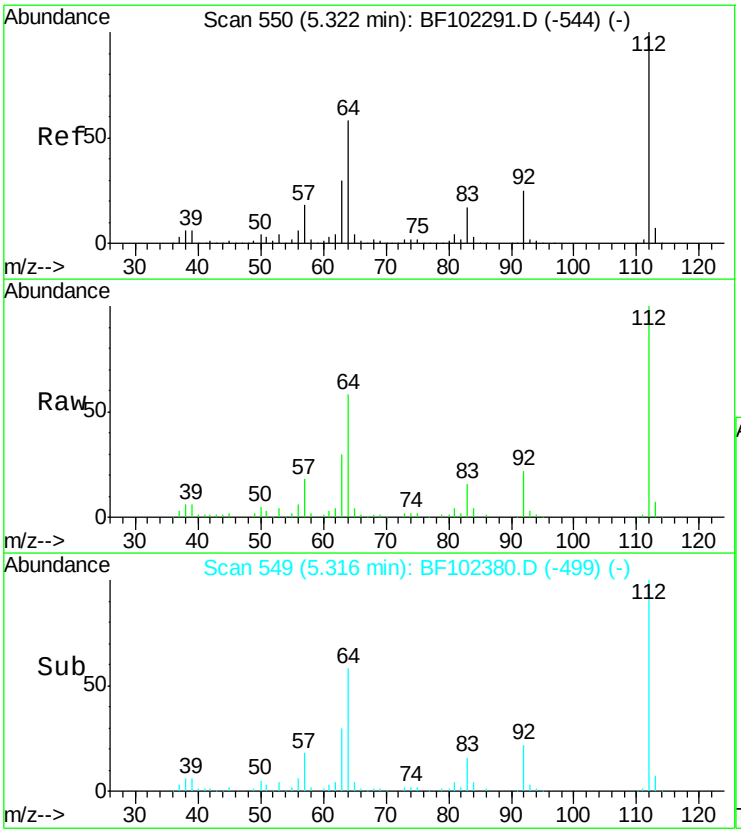
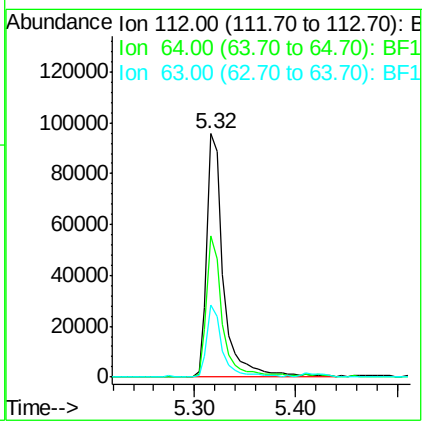
1/24/2018 2:47:37 PM

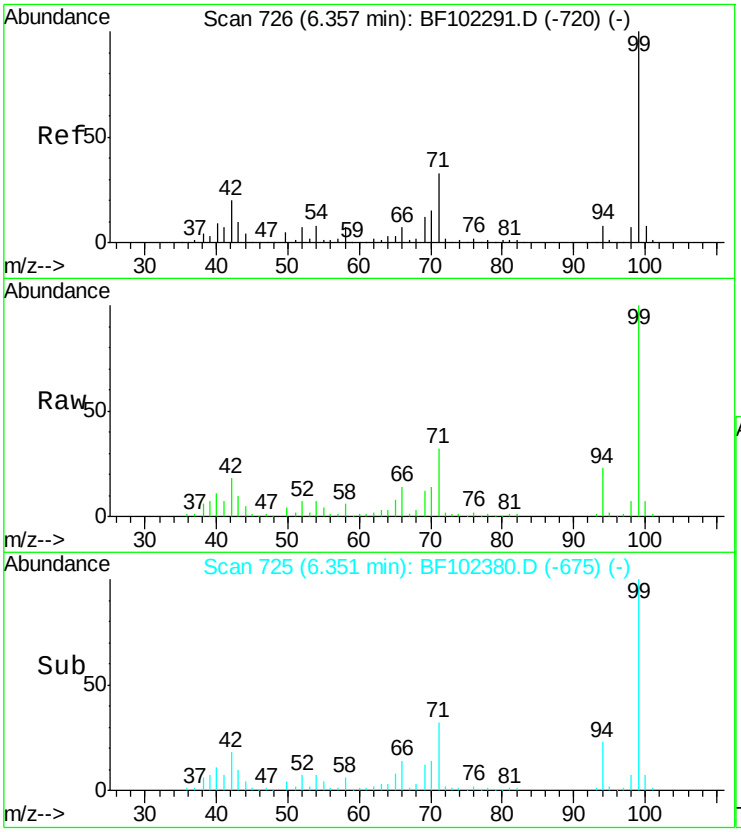


#5
2-Fluorophenol
Concen: 13.744 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:112 Resp: 110221

Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	29.6	23.7	35.5

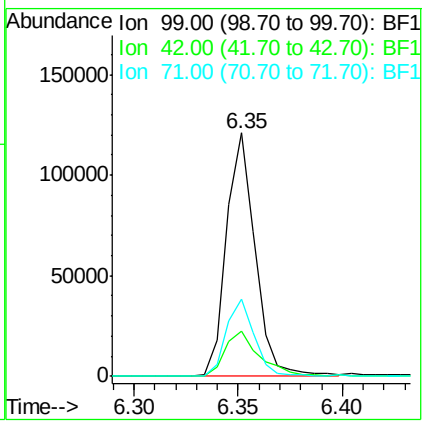




#7
Phenol-d6
Concen: 12.142 ng m
RT: 6.35 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion: 99 Resp: 117395

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	31.6	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

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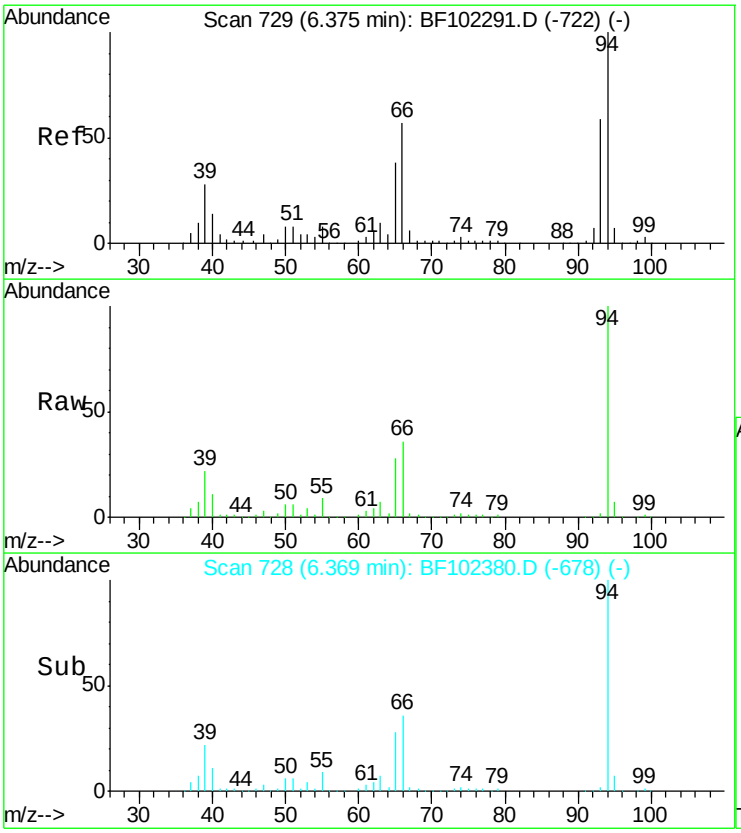
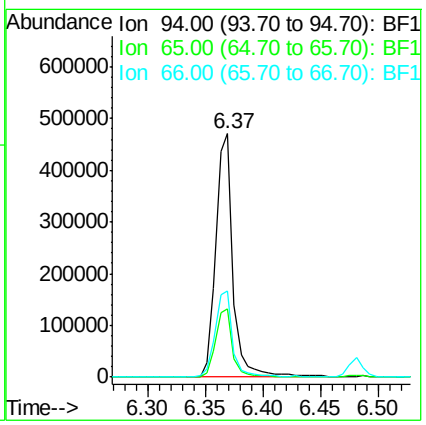
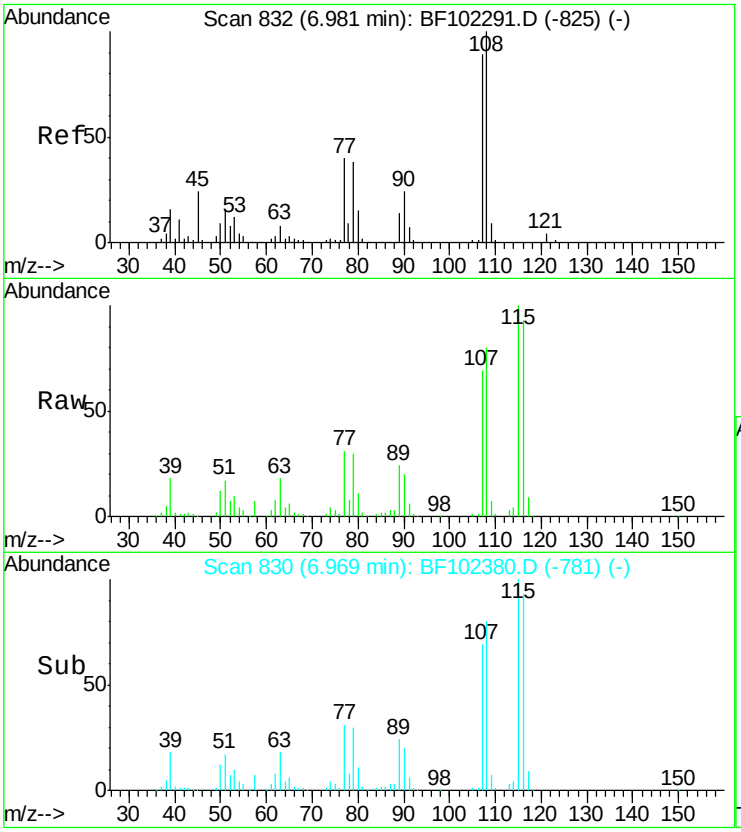


#10
Phenol
Concen: 46.171 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion: 94 Resp: 487356

Ion	Ratio	Lower	Upper
94	100		
65	27.9	7.9	47.9
66	35.6	16.2	56.2

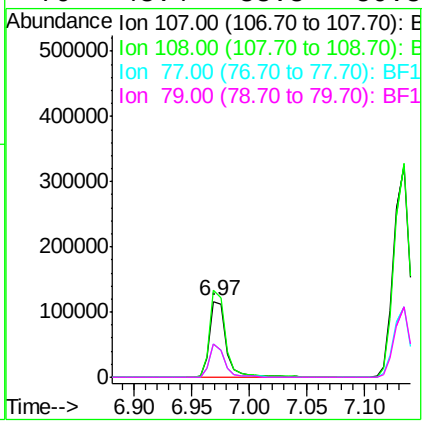




#17
2-Methylphenol
Concen: 15.997 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:107 Resp: 116801

Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.7	137.5
77	44.6	33.8	50.8
79	43.4	33.8	50.8



Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

Manual Integrations APPROVED
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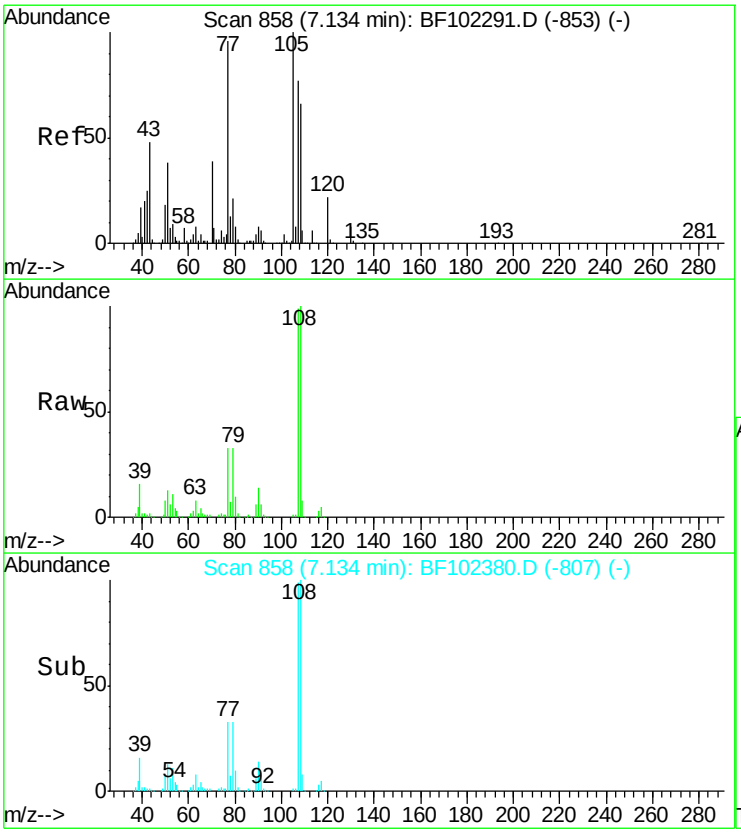
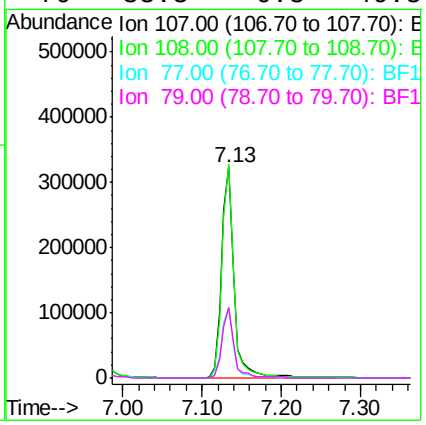
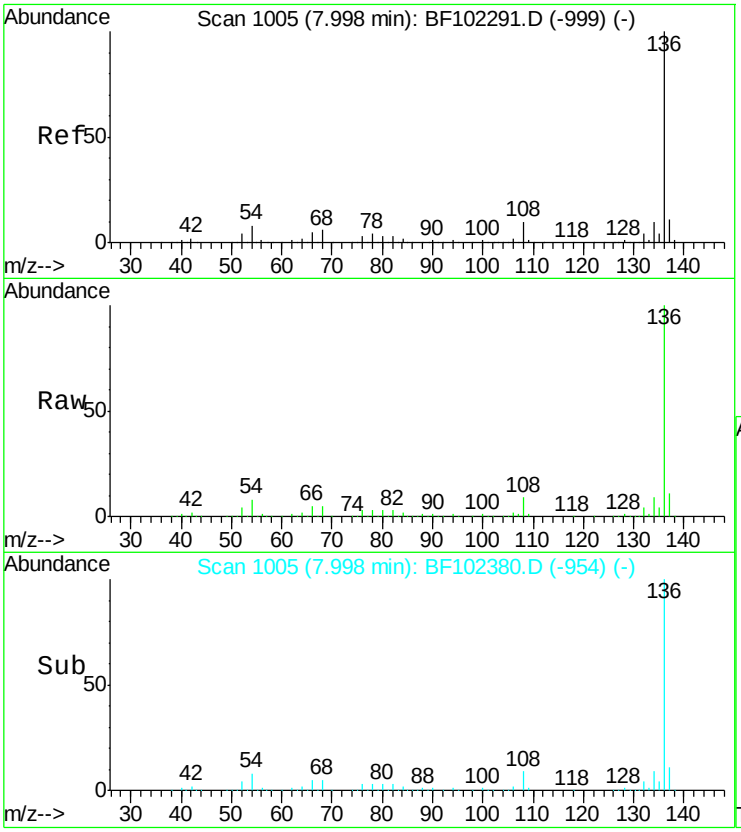


#20
3+4-Methylphenols
Concen: 40.742 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.00 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:107 Resp: 349855

Ion	Ratio	Lower	Upper
107	100		
108	101.3	68.2	108.2
77	33.3	26.7	66.7
79	33.3	6.3	46.3

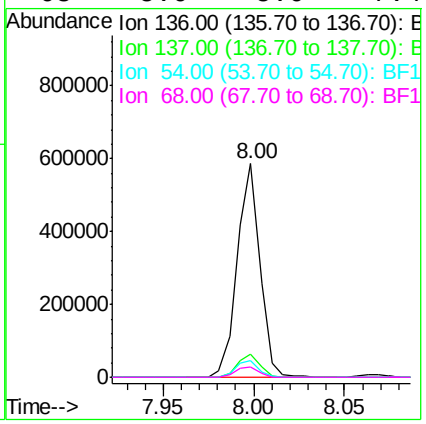




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:136 Resp: 508920

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.6	6.6	9.8
68	5.0	5.0	7.4



Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

Manual Integrations APPROVED
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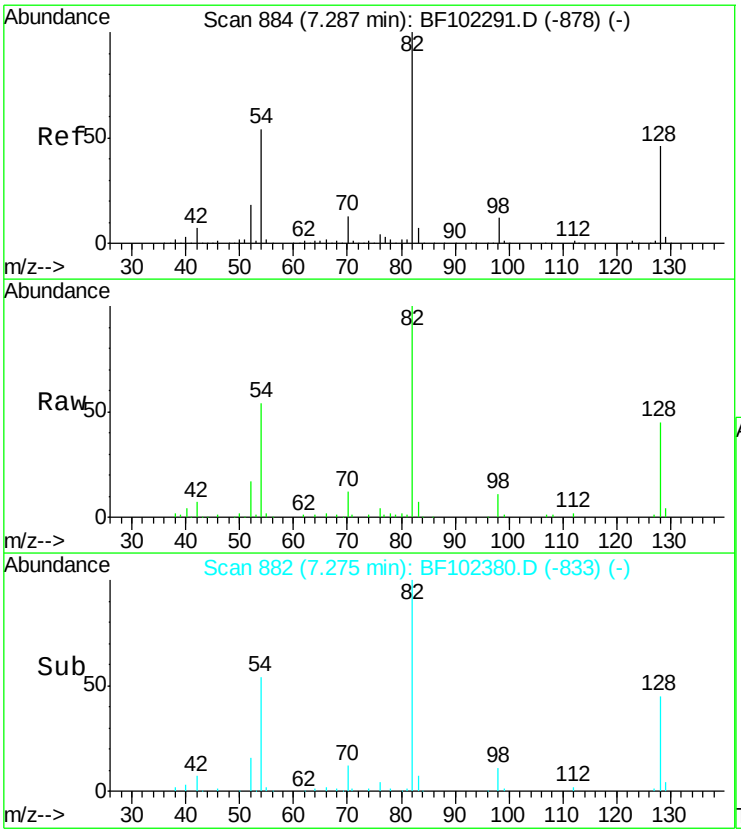
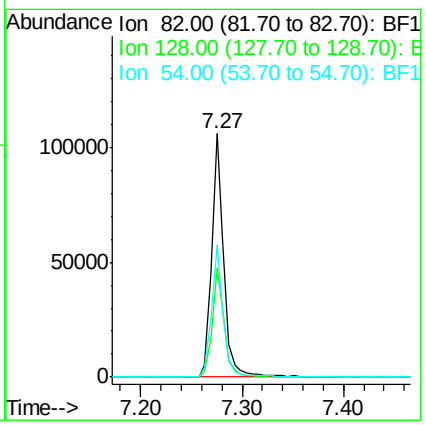
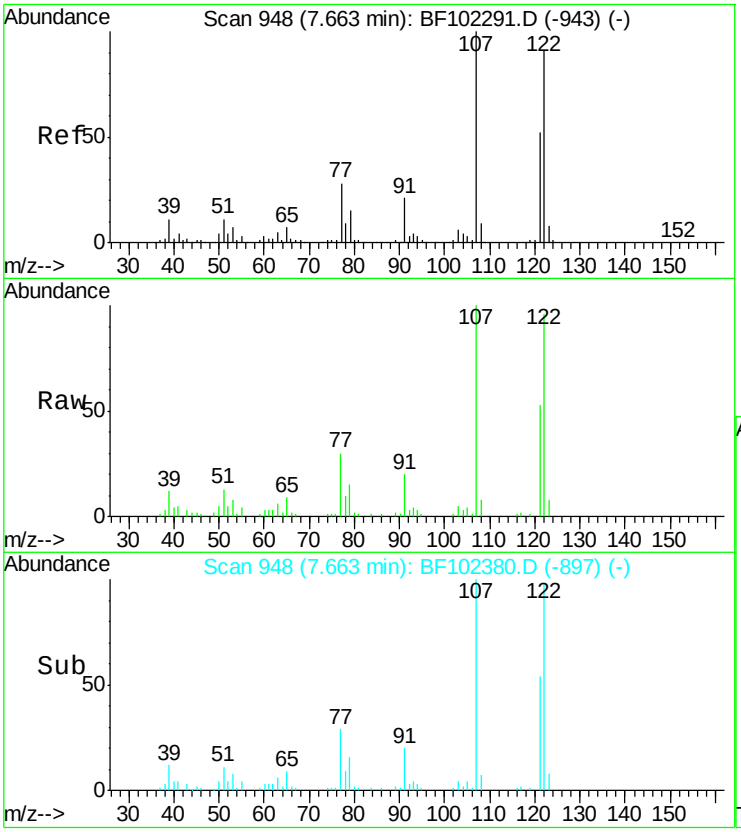


#23
Nitrobenzene-d5
Concen: 9.920 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion: 82 Resp: 87851

Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	54.3	41.4	62.2

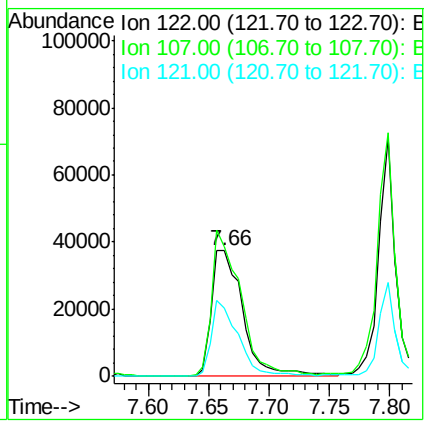




#27
2,4-Dimethylphenol
Concen: 9.748 ng
RT: 7.66 min Scan# 948
Delta R.T. -0.00 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:122 Resp: 67514

Ion	Ratio	Lower	Upper
122	100		
107	103.7	91.2	136.8
121	54.7	47.2	70.8



Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

Manual Integrations APPROVED
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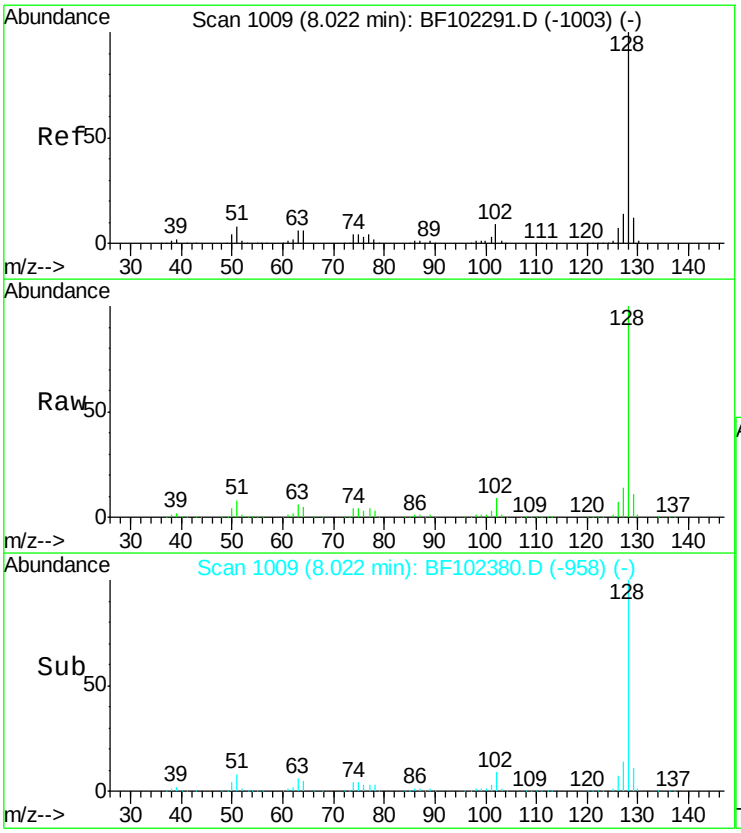
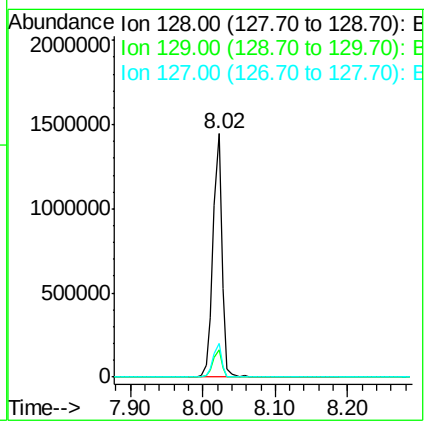
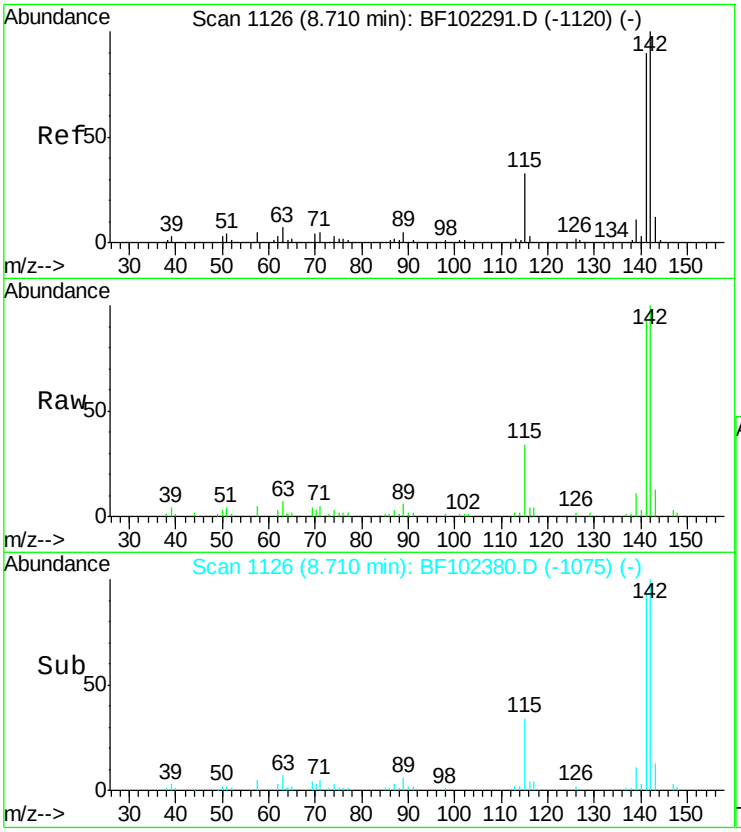


#31
Naphthalene
Concen: 49.260 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:128 Resp: 1251682

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.8	10.9	16.3

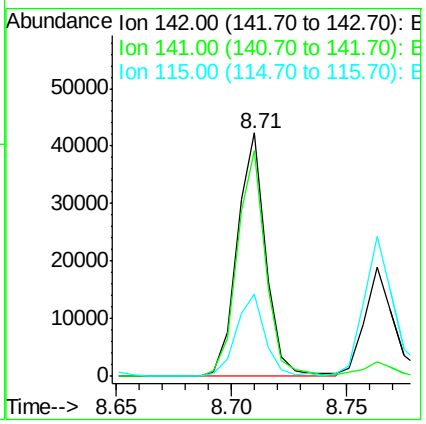




#37
2-Methylnaphthalene
Concen: 2.158 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:142 Resp: 36517

Ion	Ratio	Lower	Upper
142	100		
141	92.9	70.8	106.2
115	33.9	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

Manual Integrations APPROVED
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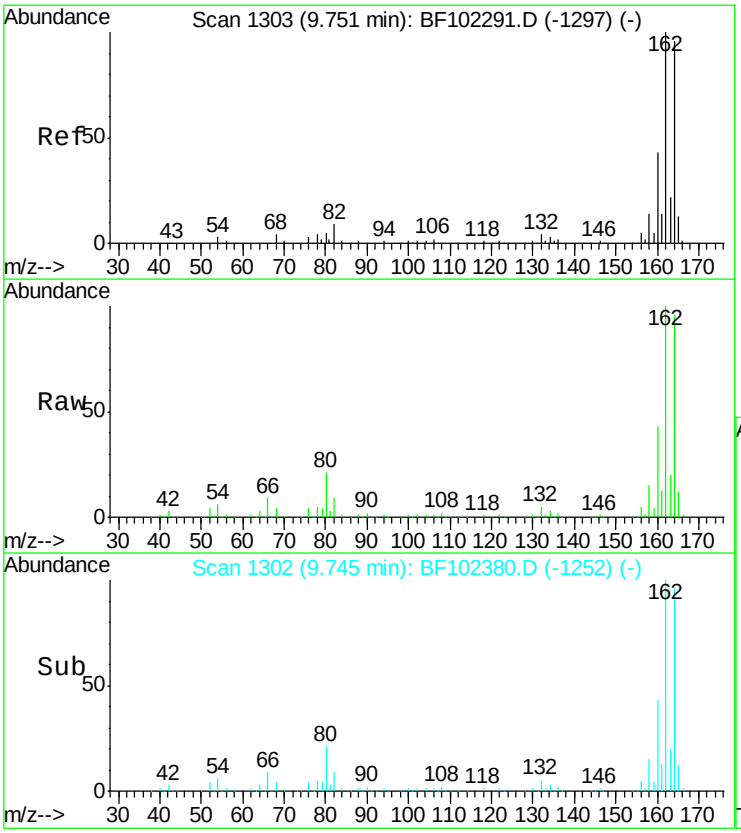
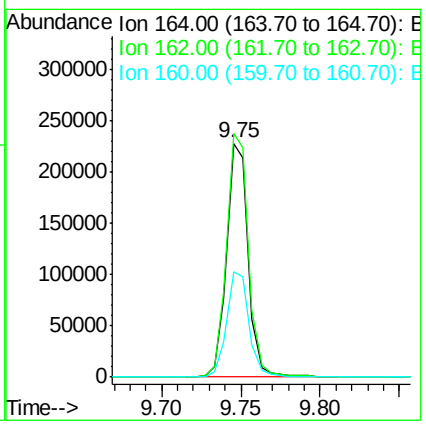
1/24/2018 2:47:37 PM

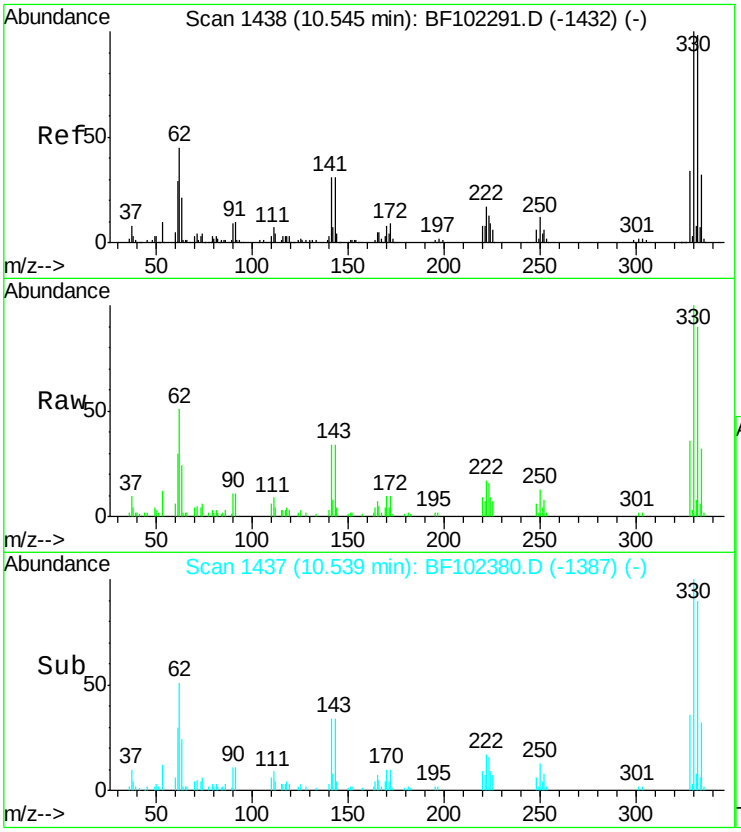


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:164 Resp: 214762

Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	44.9	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 11.716 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:330 Resp: 24931

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	44.6	29.9	44.9

Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

Manual Integrations APPROVED
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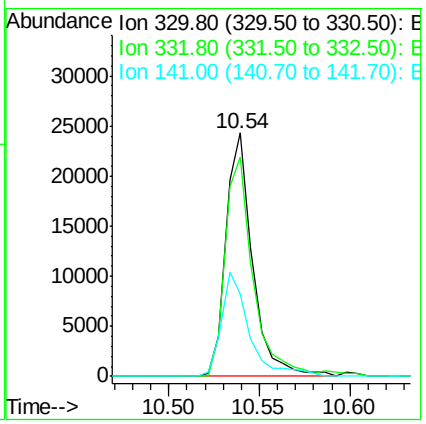
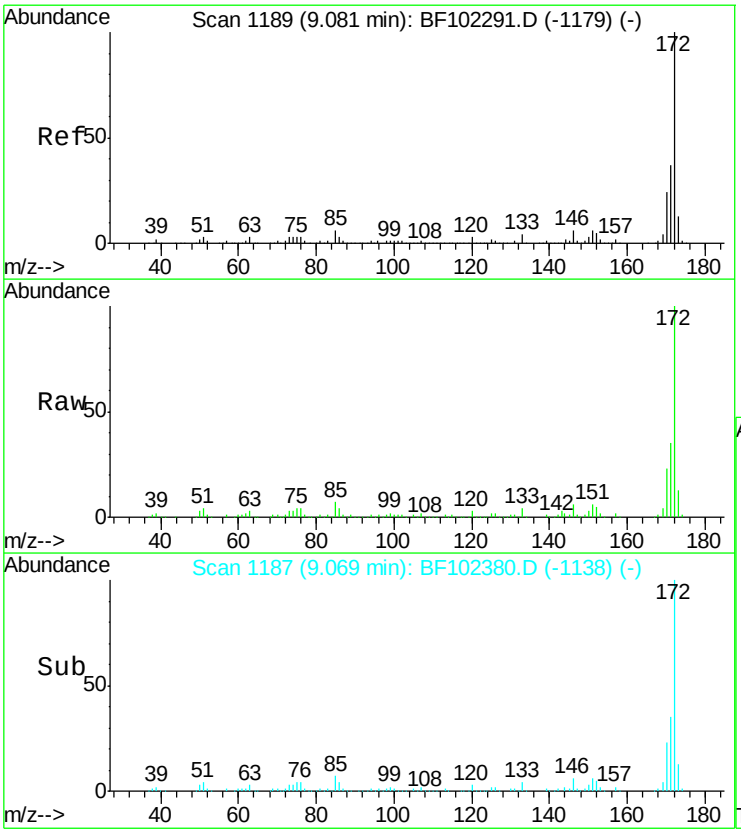
1/24/2018 2:47:37 PM

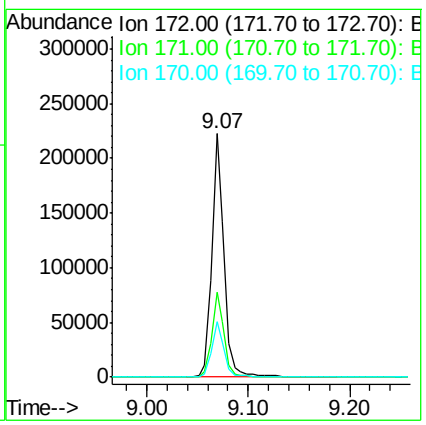


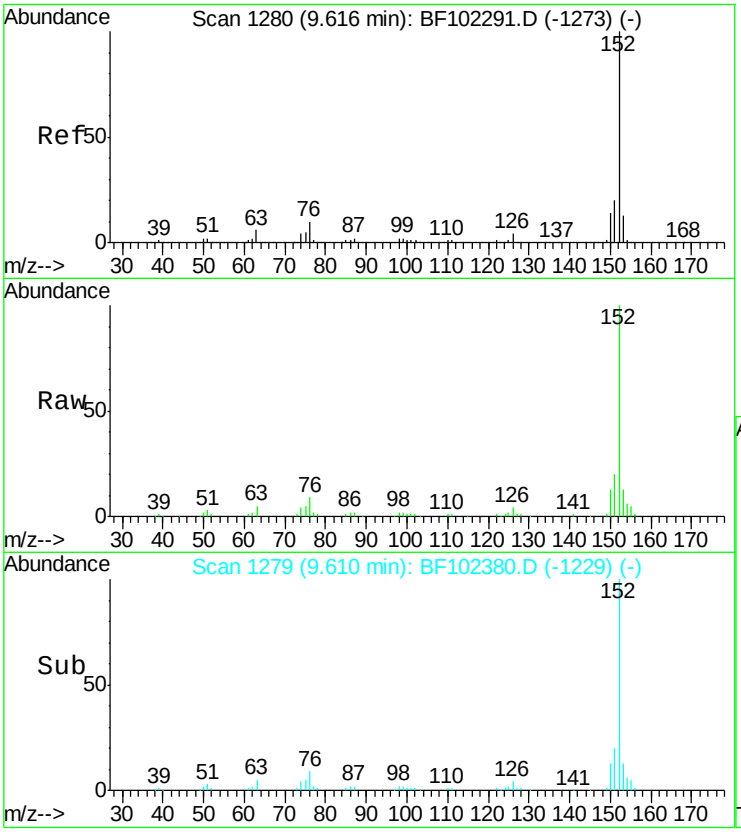


#44
2-Fluorobiphenyl
Concen: 12.725 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:172 Resp: 185866

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	22.7	19.6	29.4

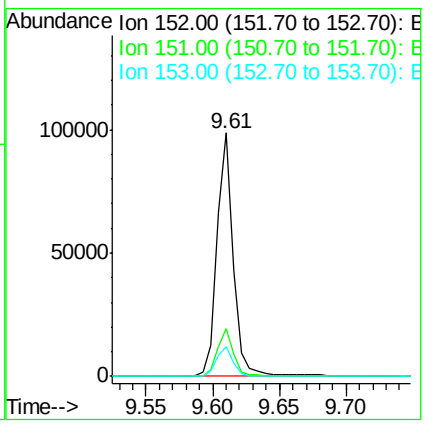




#48
Acenaphthylene
Concen: 3.683 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:152 Resp: 85651

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	12.5	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

Manual Integrations APPROVED
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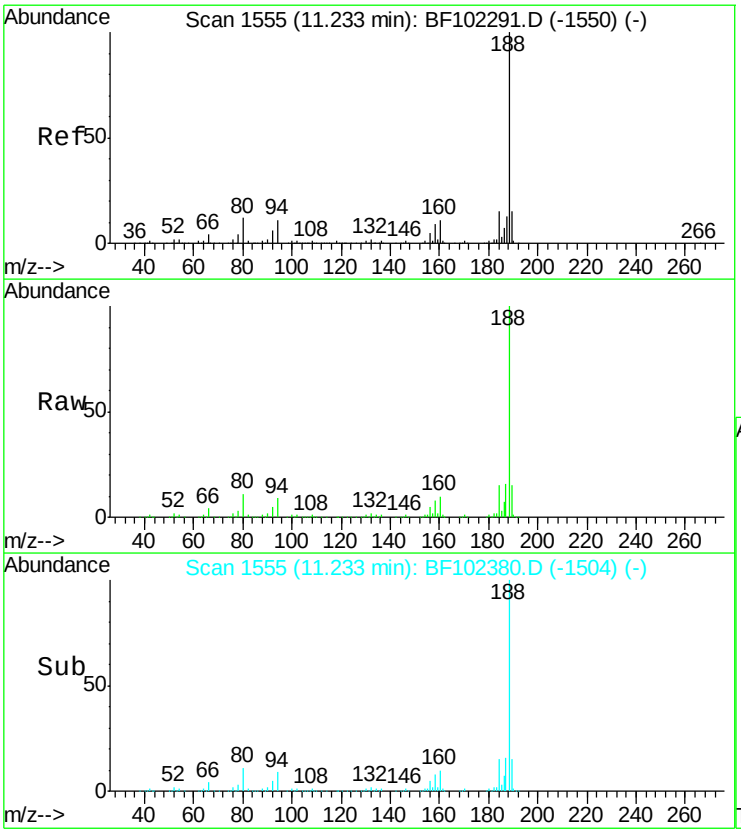
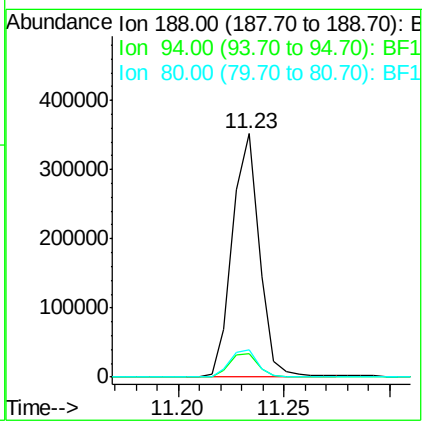
1/24/2018 2:47:37 PM

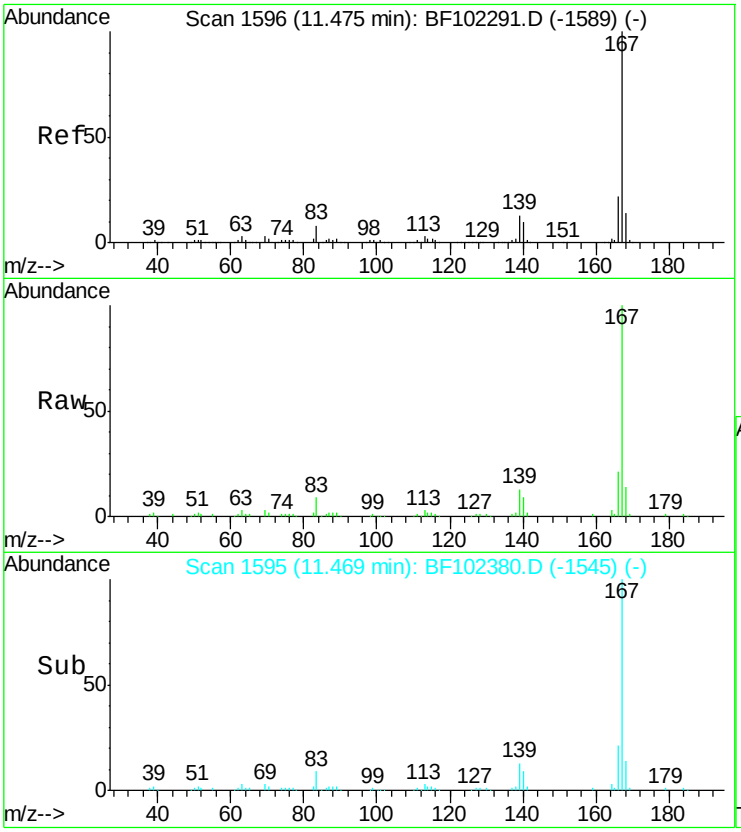


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:188 Resp: 312851

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	11.0	9.2	13.8

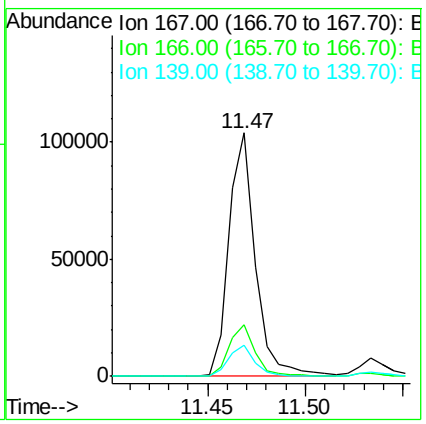




#72
Carbazole
Concen: 5.389 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:167 Resp: 97831

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	12.6	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

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Sohil
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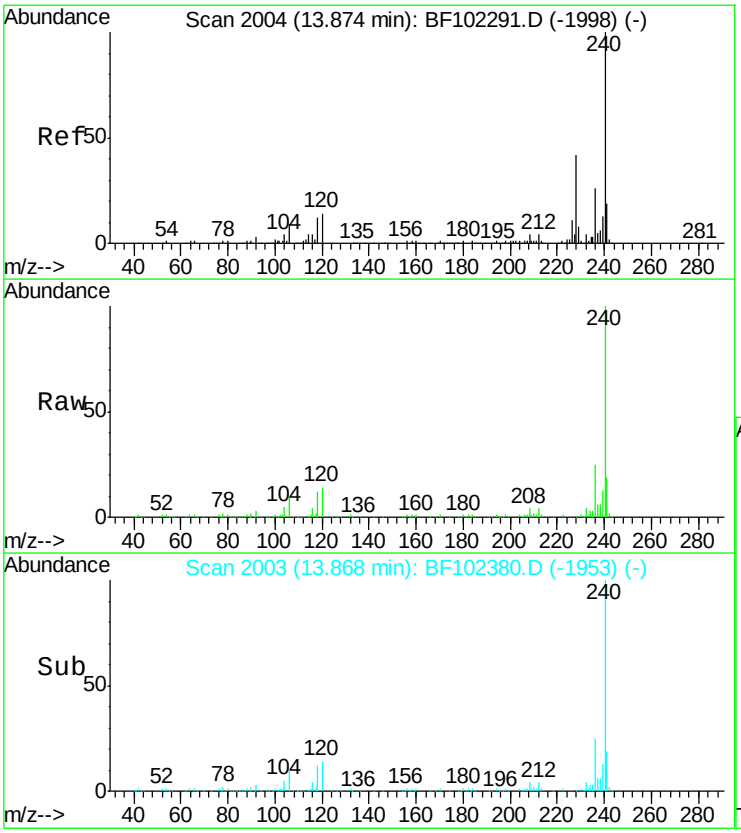
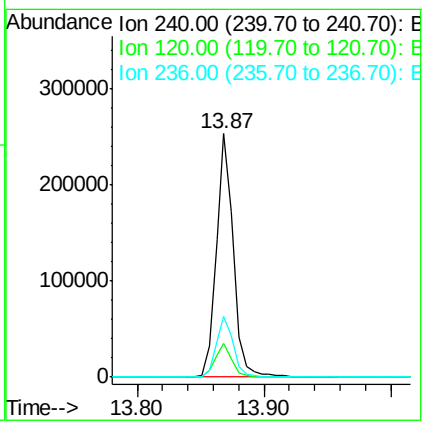
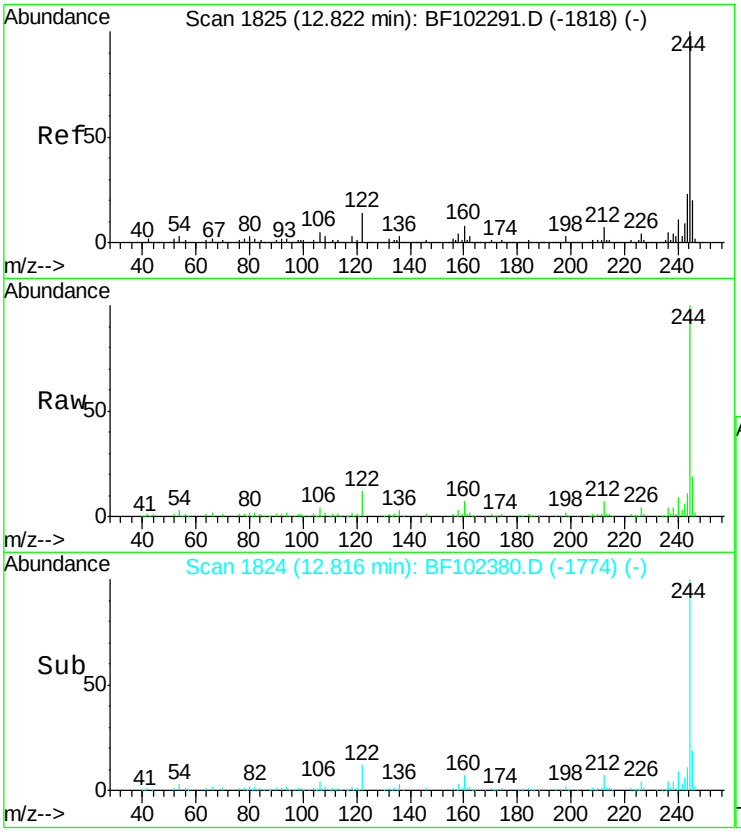


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:240 Resp: 238582

Ion	Ratio	Lower	Upper
240	100		
120	13.9	9.5	14.3
236	25.0	20.7	31.1

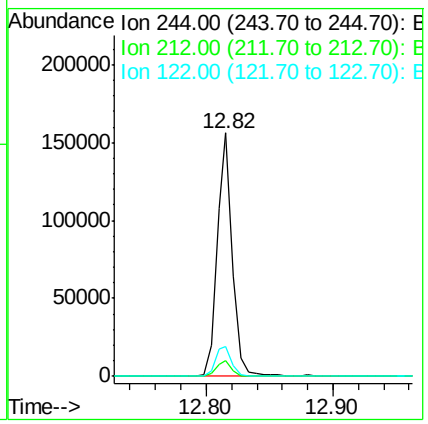




#78
Terphenyl-d14
Concen: 12.407 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

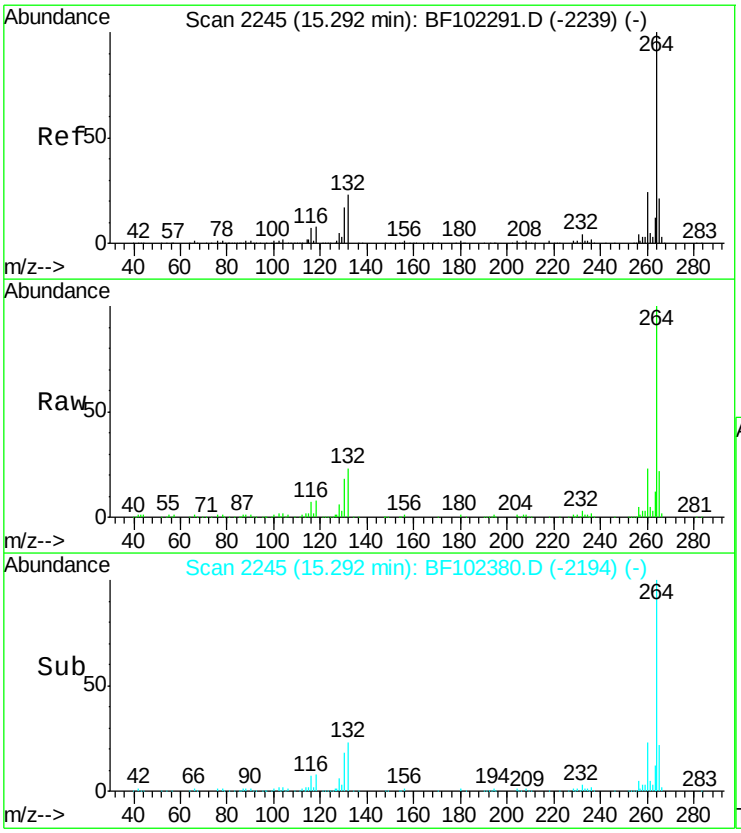
Tgt Ion:244 Resp: 131307

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.4	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
WC-14R30-02DL

Manual Integrations APPROVED
Sohil
1/24/2018 2:47:37 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:264 Resp: 210110

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.6	17.5	26.3