Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101714.D
Acq On : 26 Dec 2017 14:39
Operator : SJ/JU
Sample : I6842-03DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

Manual Integrations APPROVED
Sohil
12/27/2017 4:14:34 PM

Quant Time: Dec 26 15:20:43 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 26 10:48:01 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	146025	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	557683	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	234396	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	381957	20.00	ng	0.00
75) Chrysene-d12	13.97	240	307113	20.00	ng	0.00
86) Perylene-d12	15.43	264	286774	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	307962	31.41	ng	0.02
7) Phenol-d6	6.43	99	363341	29.78	ng	0.00
23) Nitrobenzene-d5	7.36	82	234049	23.36	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	67746	29.99	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	448820	29.70	ng	0.00
78) Terphenyl-d14	12.89	244	352311	27.66	ng	0.00
Target Compounds						Qvalue
3) Pyridine	3.30	79	305172m	21.805	ng	
10) Phenol	6.45	94	527853	37.960	ng	98
17) 2-Methylphenol	7.05	107	125787	13.261	ng	97
20) 3+4-Methylphenols	7.21	107	316743	31.511	ng	89
27) 2,4-Dimethylphenol	7.75	122	71096	8.785	ng	90
31) Naphthalene	8.09	128	141393	5.036	ng	98
70) Phenanthrene	11.34	178	46089	2.170	ng	97
72) Carbazole	11.56	167	75998	3.741	ng	99

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

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BNA_F
ClientSampleId :
WC-04-01DL

Manual Integrations APPROVED
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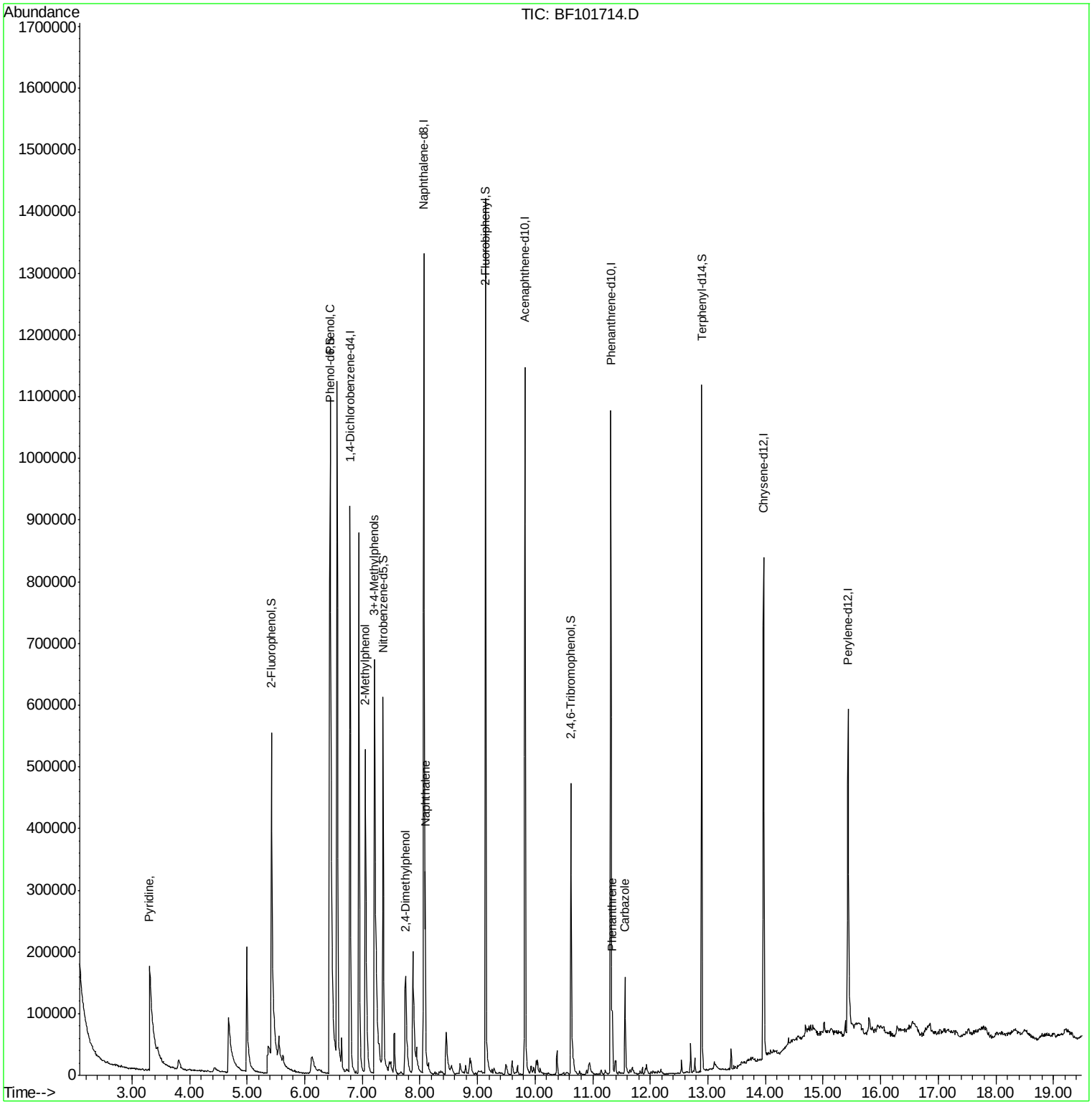
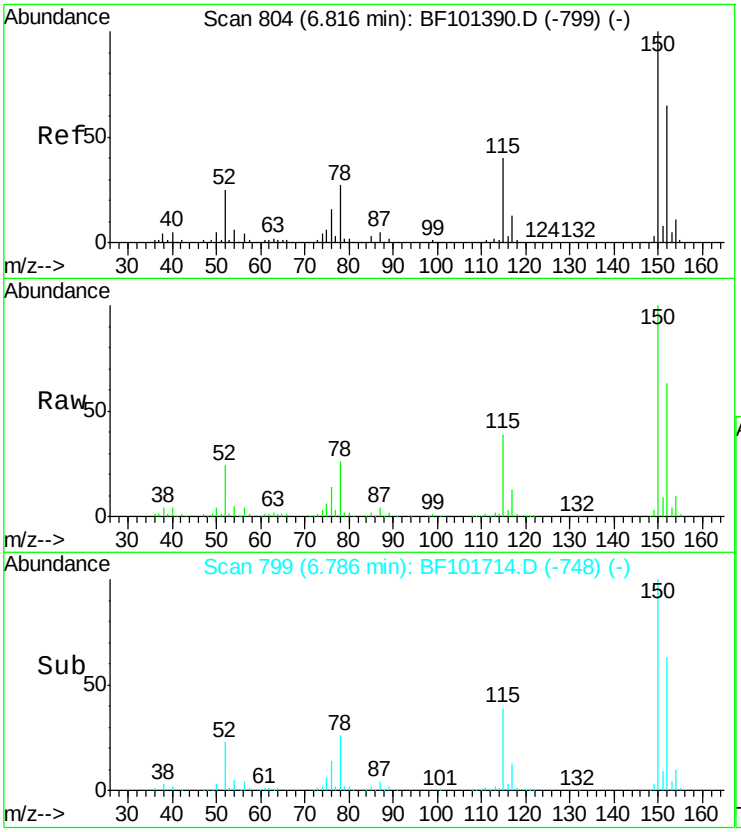
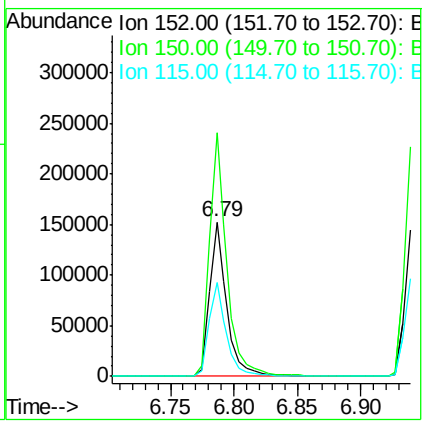




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:152 Resp: 146025

Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	61.2	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

Manual Integrations APPROVED
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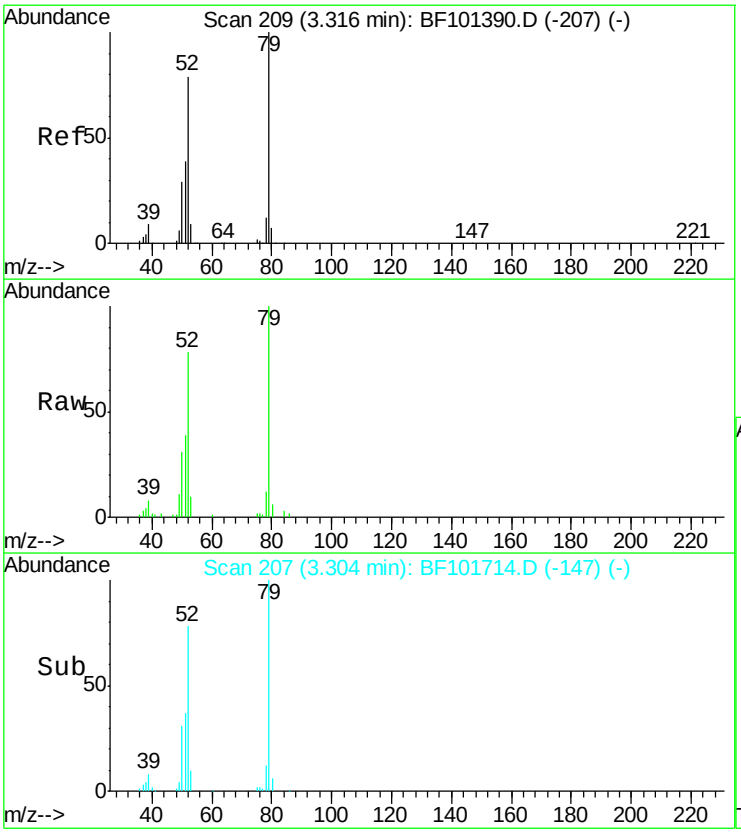
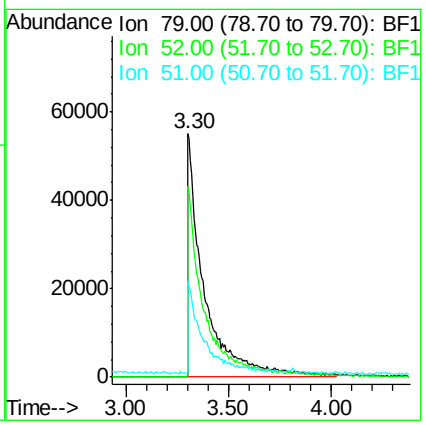
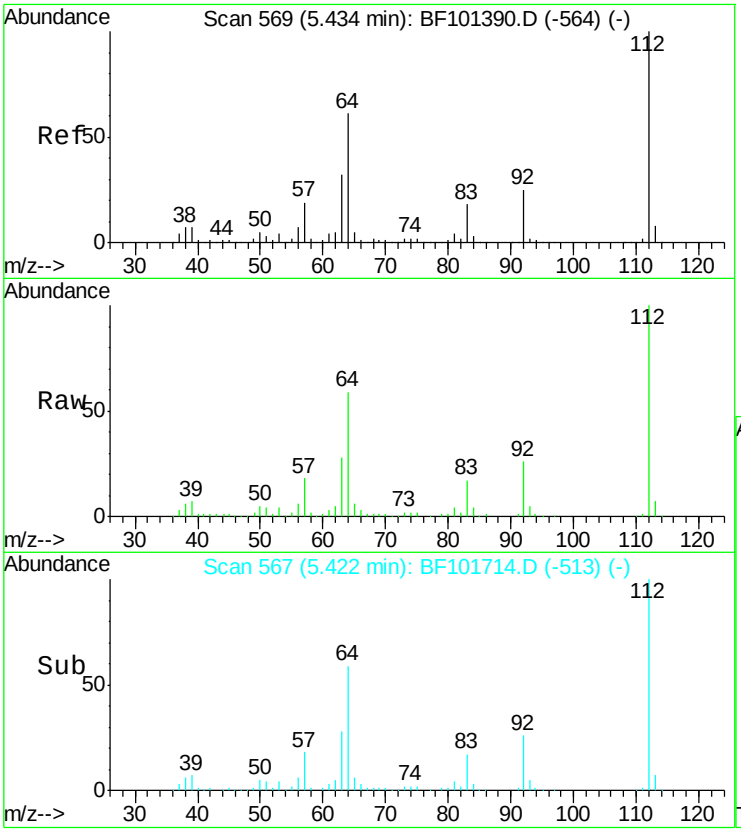


#3
Pyridine
Concen: 21.805 ng m
RT: 3.30 min Scan# 207
Delta R.T. 0.05 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion: 79 Resp: 305172

Ion	Ratio	Lower	Upper
79	100		
52	78.4	59.8	89.6
51	39.4	29.8	44.8

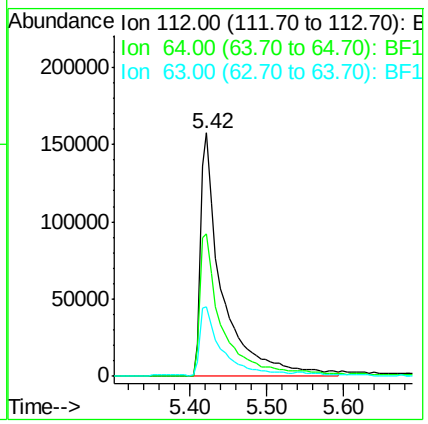




#5
2-Fluorophenol
Concen: 31.415 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:112 Resp: 307962

Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.9	71.9
63	28.5	23.7	35.5



Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

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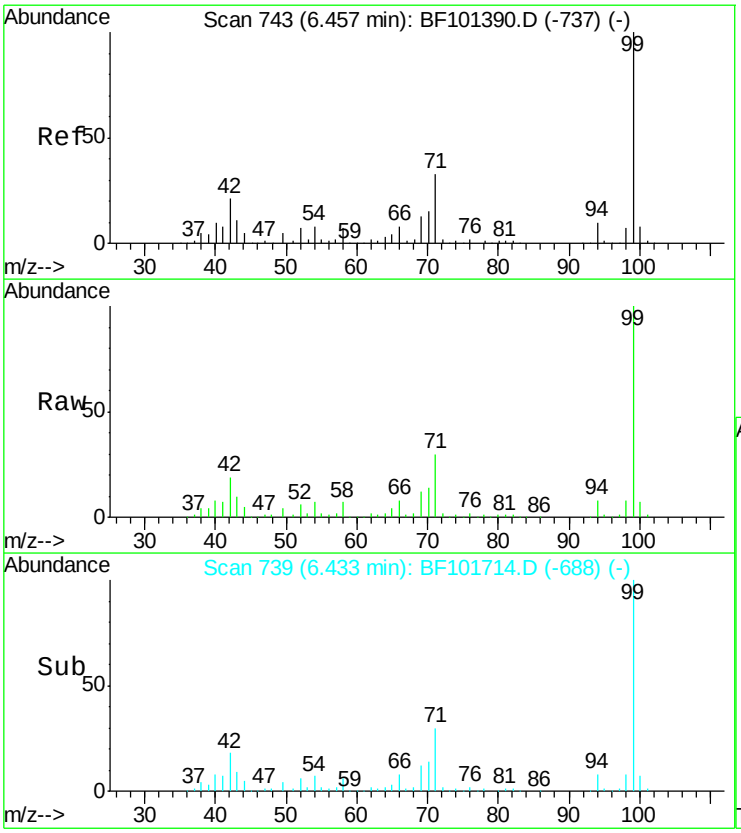
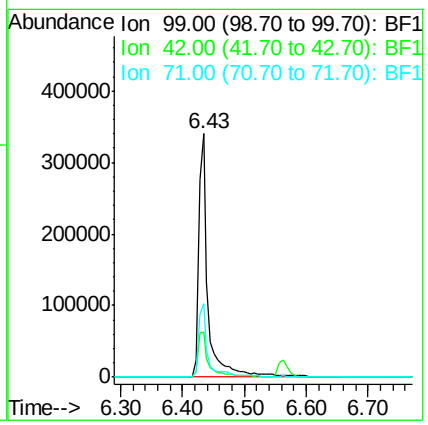
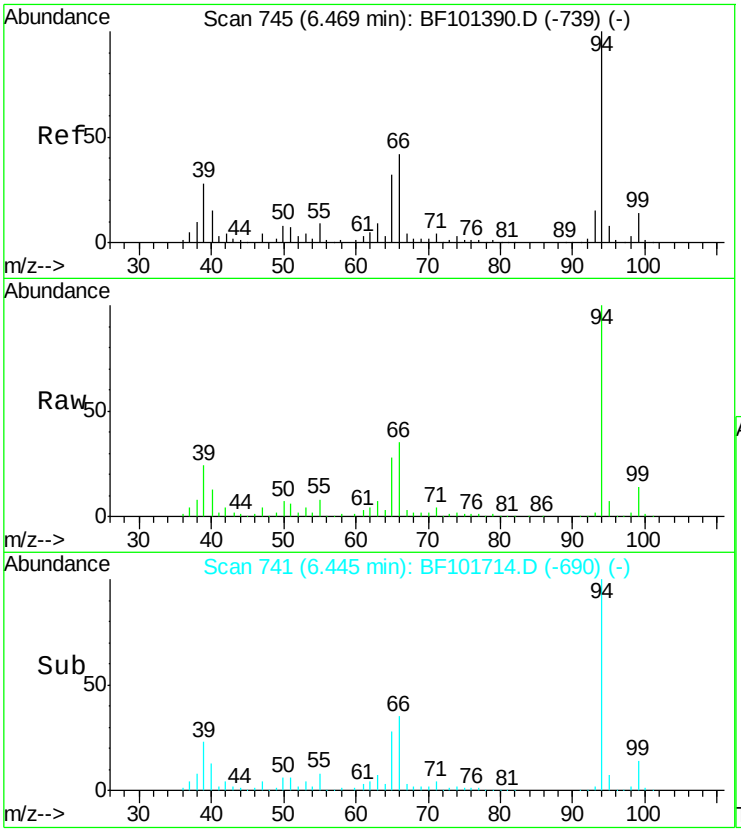


#7
Phenol-d6
Concen: 29.781 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion: 99 Resp: 363341

Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.5	21.7
71	30.1	25.4	38.0

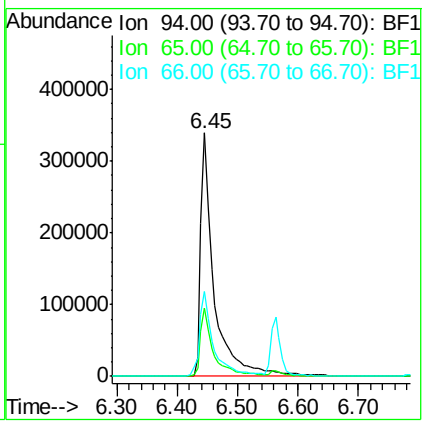




#10
Phenol
Concen: 37.960 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion: 94 Resp: 527853

Ion	Ratio	Lower	Upper
94	100		
65	28.2	7.9	47.9
66	34.7	16.2	56.2



Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

Manual Integrations APPROVED
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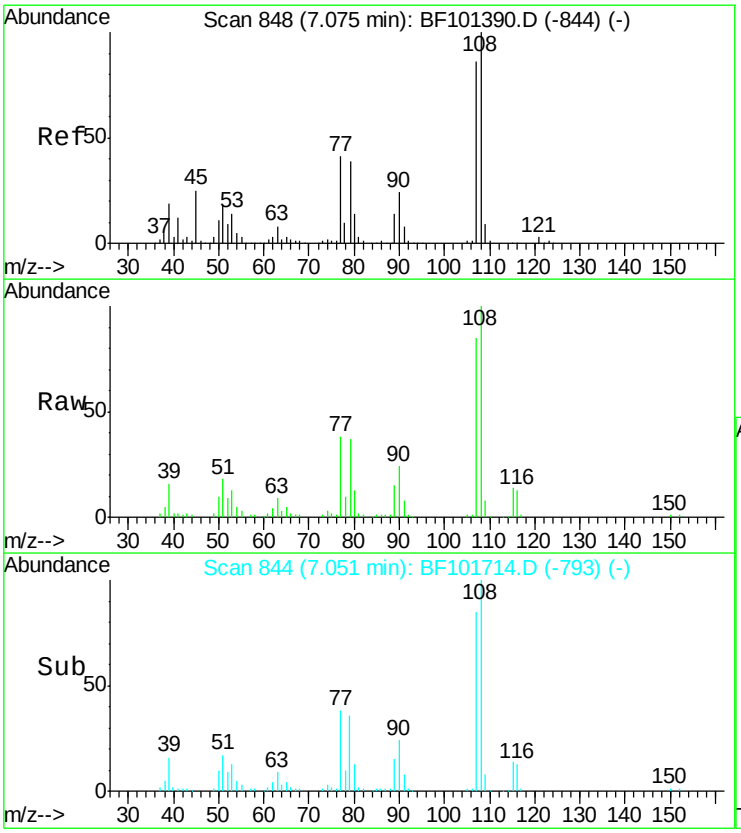
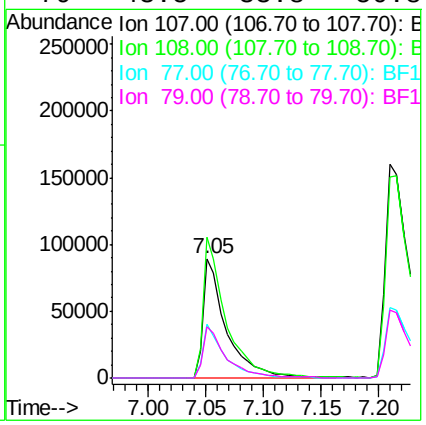
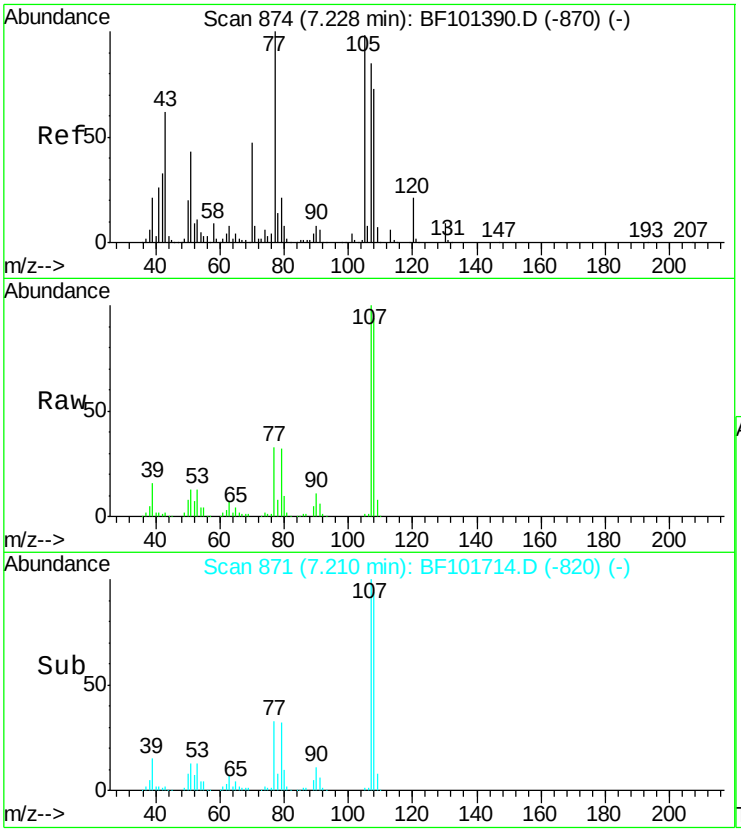


#17
2-Methylphenol
Concen: 13.261 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:107 Resp: 125787

Ion	Ratio	Lower	Upper
107	100		
108	117.8	91.7	137.5
77	44.8	33.8	50.8
79	43.5	33.8	50.8

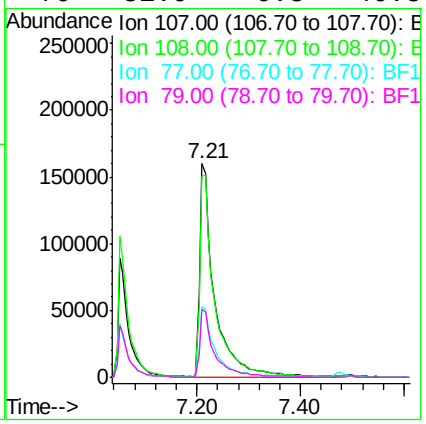




#20
3+4-Methylphenols
Concen: 31.511 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:107 Resp: 316743

Ion	Ratio	Lower	Upper
107	100		
108	94.1	68.2	108.2
77	32.8	26.7	66.7
79	31.9	6.3	46.3



Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

Manual Integrations APPROVED
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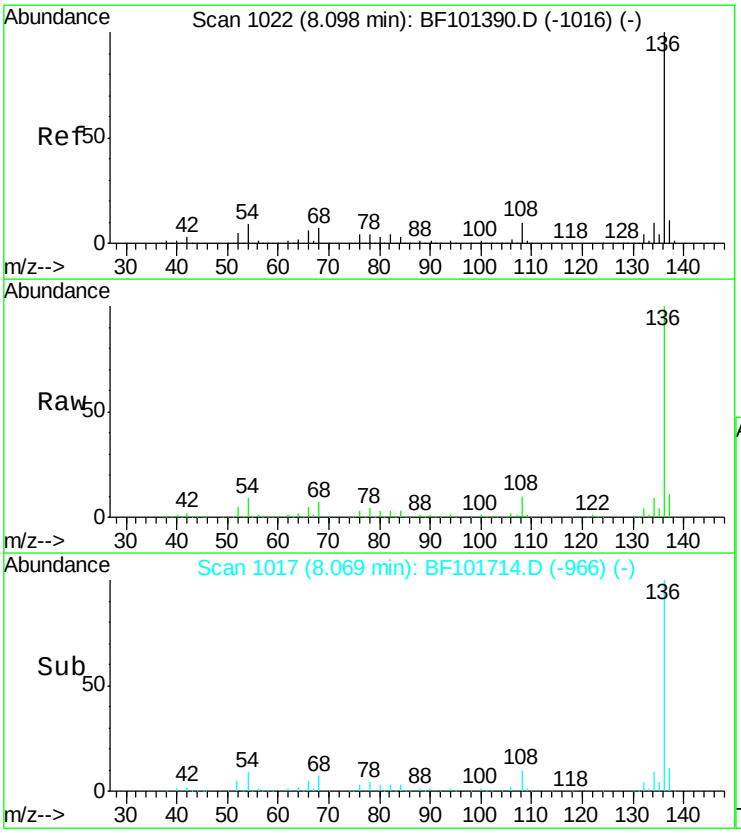
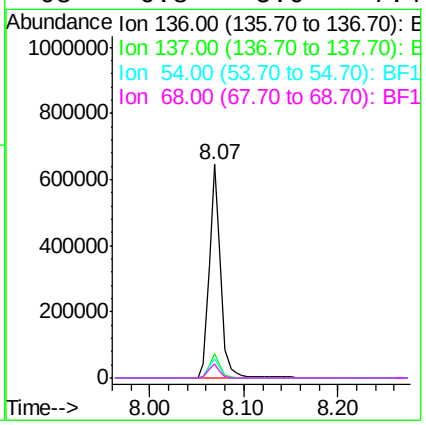
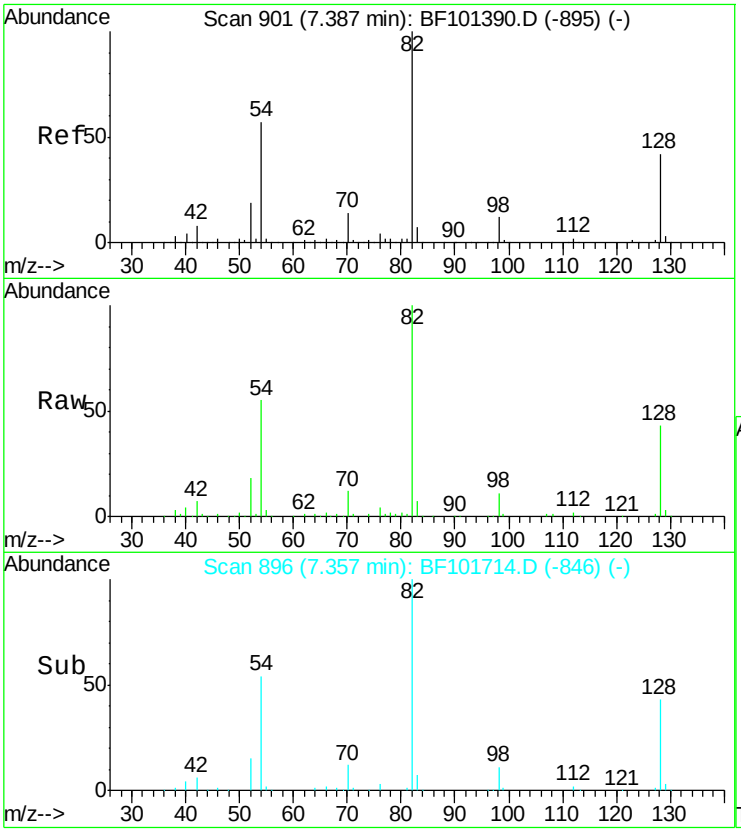


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:136 Resp: 557683

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.1	6.6	9.8
68	6.8	5.0	7.4

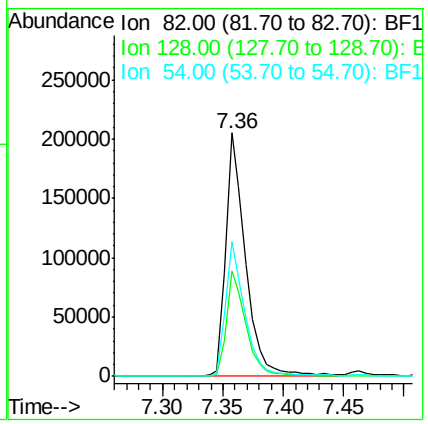




#23
Nitrobenzene-d5
Concen: 23.362 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion: 82 Resp: 234049

Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.1	54.1
54	55.3	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

Manual Integrations APPROVED
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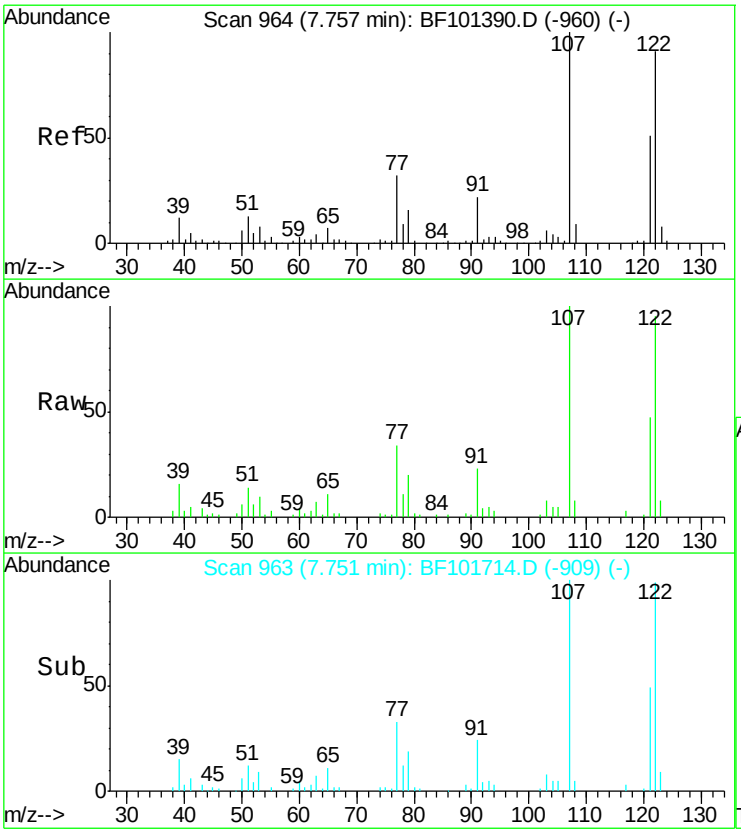
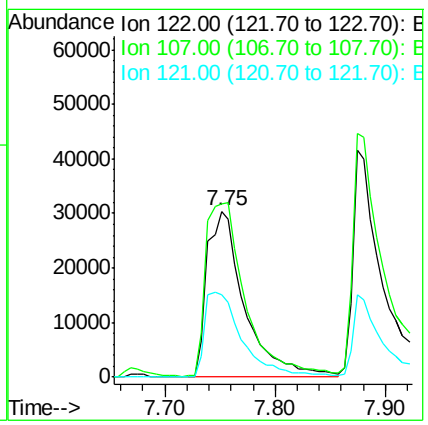
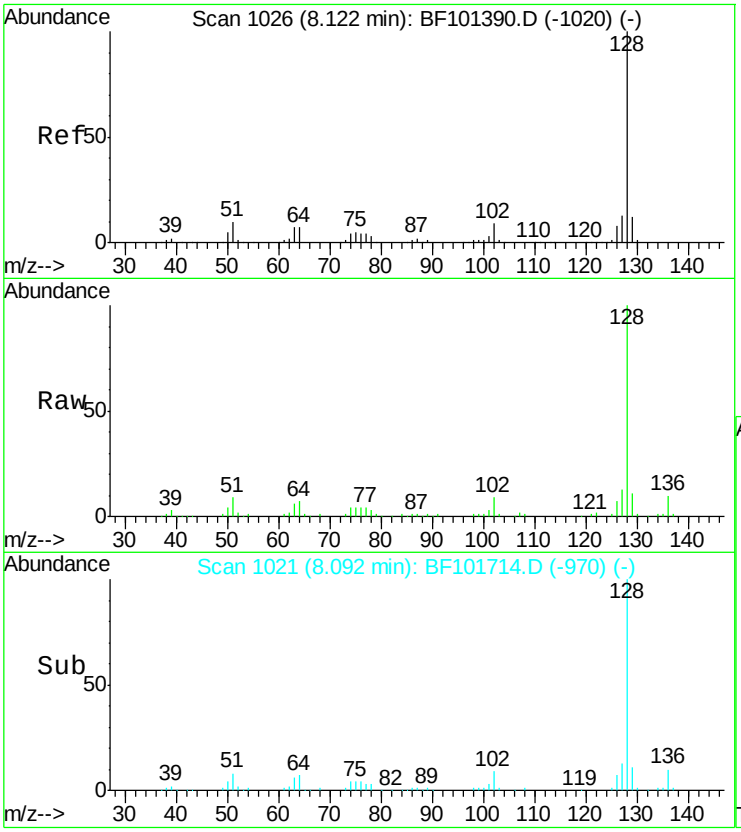


#27
2,4-Dimethylphenol
Concen: 8.785 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.02 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:122 Resp: 71096

Ion	Ratio	Lower	Upper
122	100		
107	104.8	91.2	136.8
121	49.5	47.2	70.8

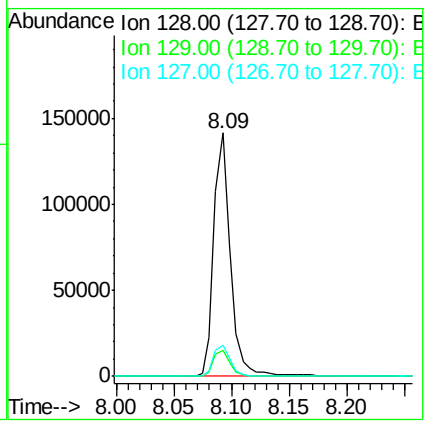




#31
Naphthalene
Concen: 5.036 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:128 Resp: 141393

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	12.9	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

Manual Integrations APPROVED
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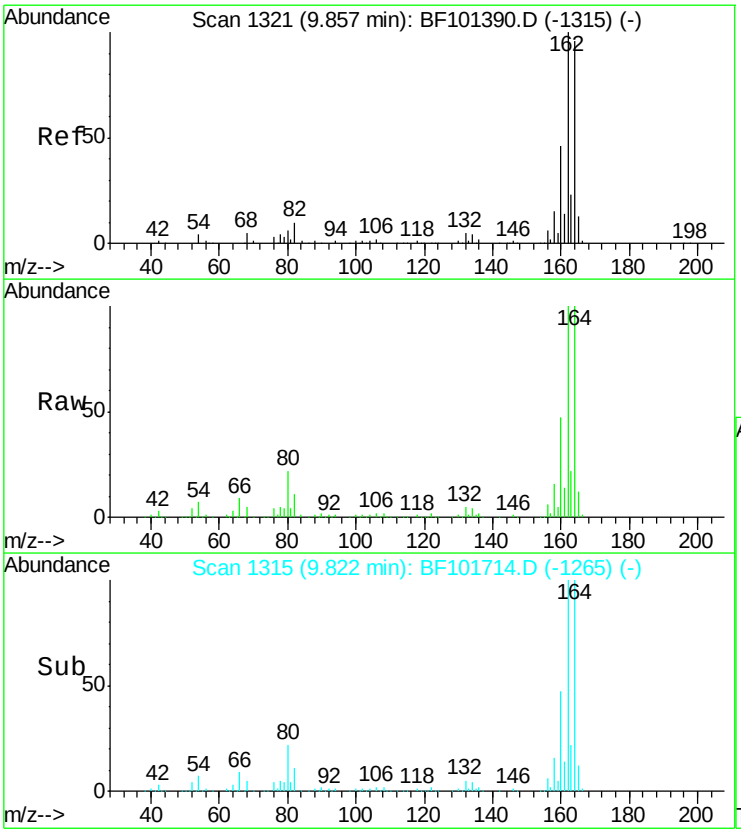
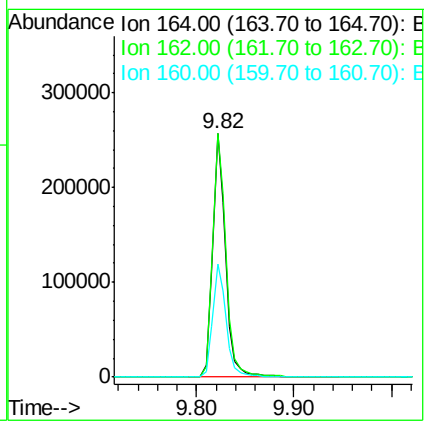
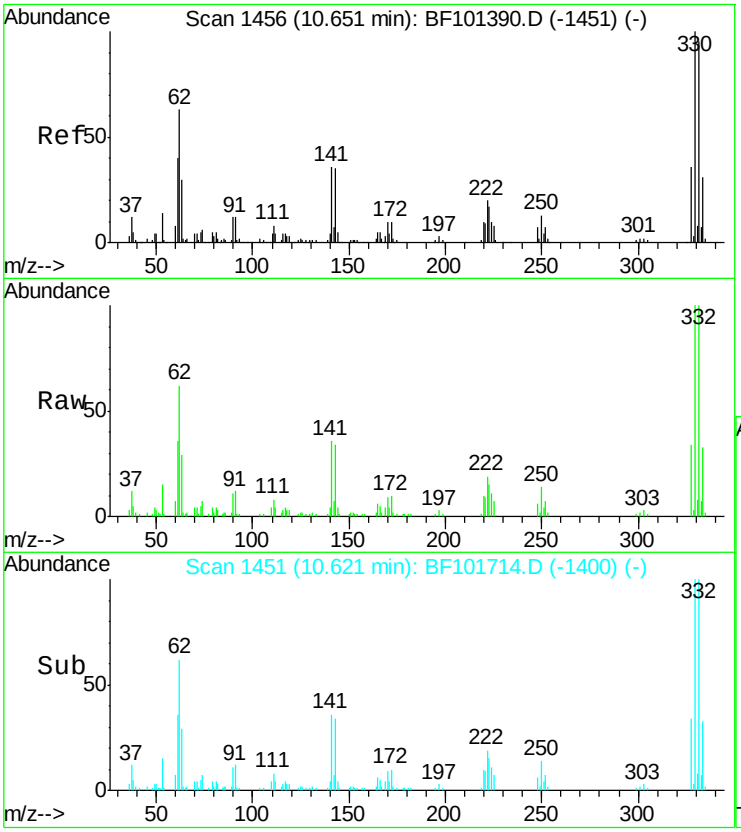


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:164 Resp: 234396

Ion	Ratio	Lower	Upper
164	100		
162	100.2	86.1	129.1
160	46.7	38.3	57.5

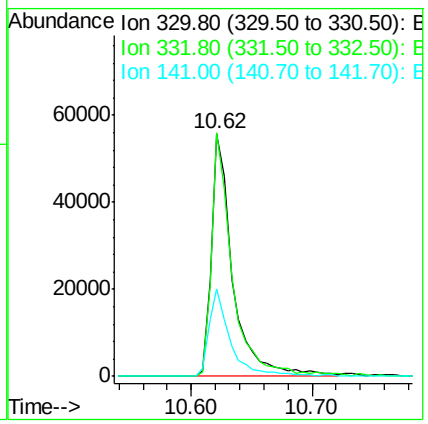




#41
2,4,6-Tribromophenol
Concen: 29.995 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:330 Resp: 67746

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	35.7	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

Manual Integrations APPROVED
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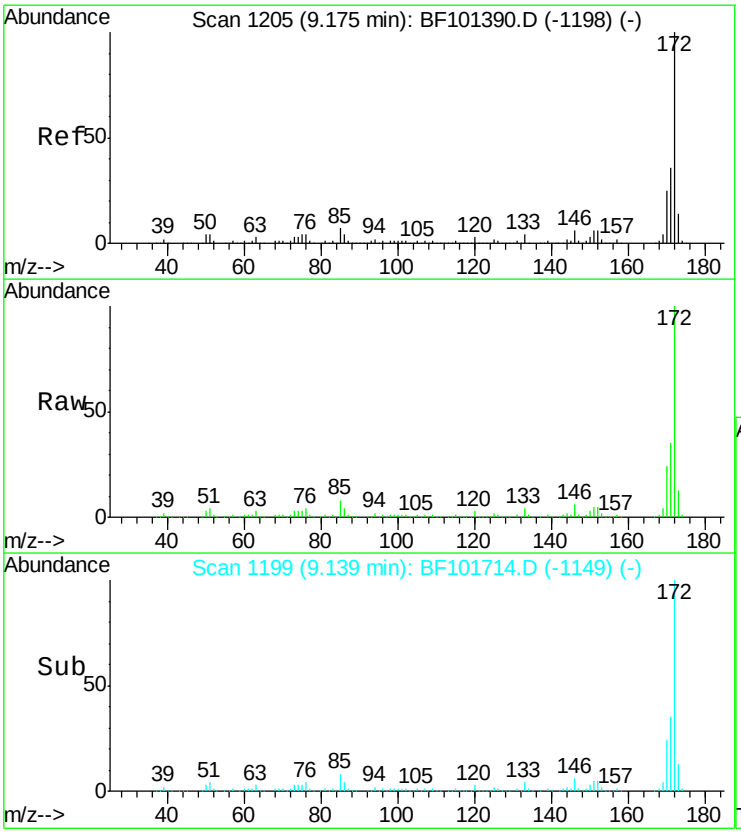
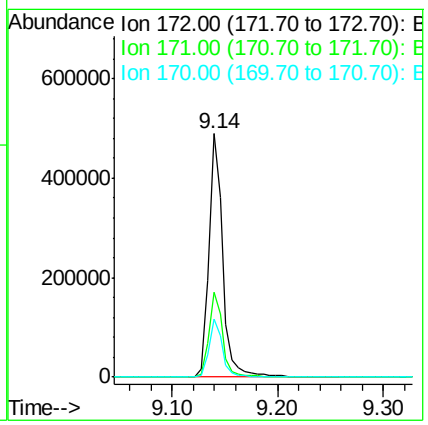
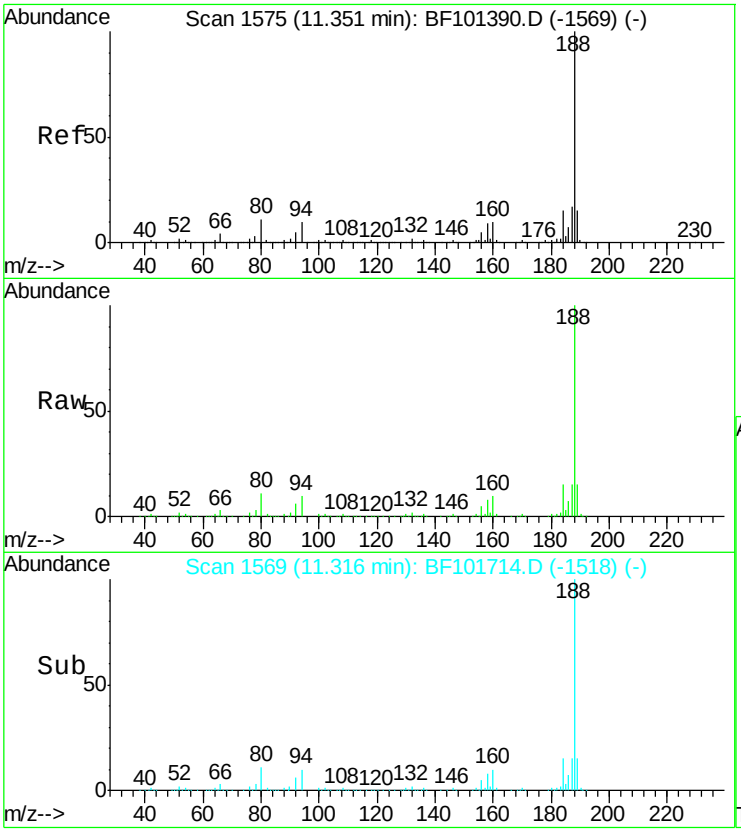


#44
2-Fluorobiphenyl
Concen: 29.703 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:172 Resp: 448820

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	24.0	19.6	29.4

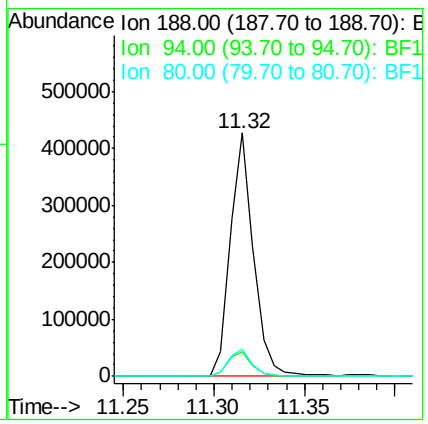




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:188 Resp: 381957

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.2	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

Manual Integrations APPROVED
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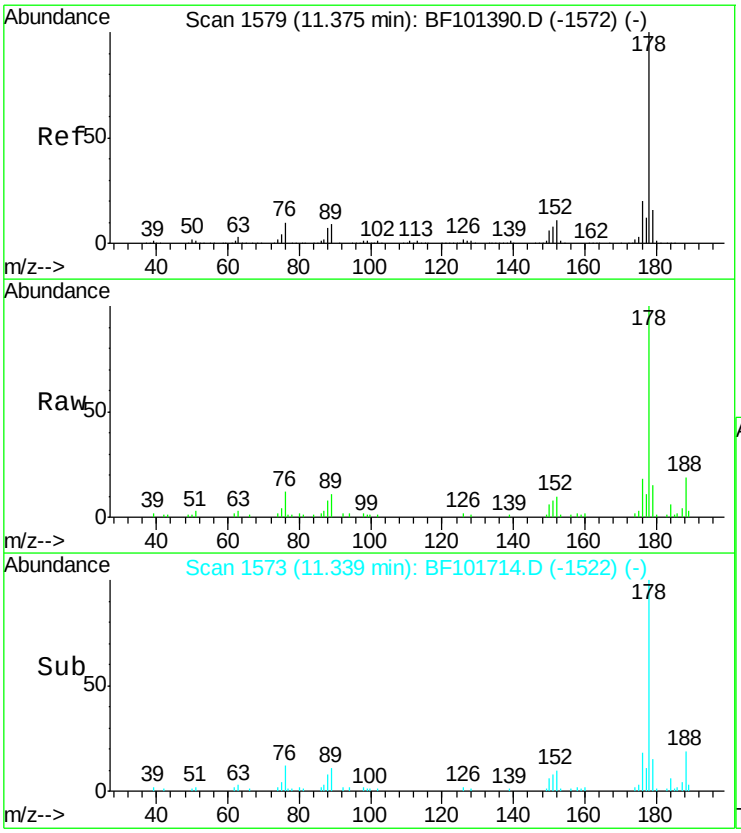
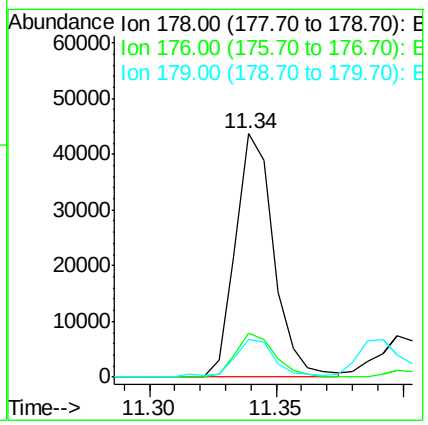
12/27/2017 4:14:34 PM

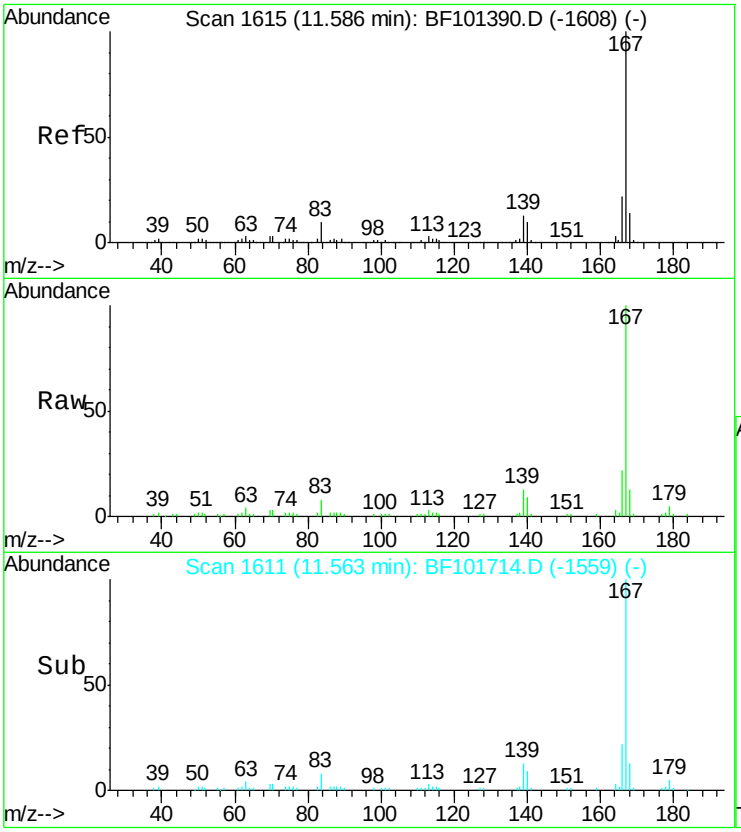


#70
Phenanthrene
Concen: 2.170 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:178 Resp: 46089

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.3	13.0	19.6

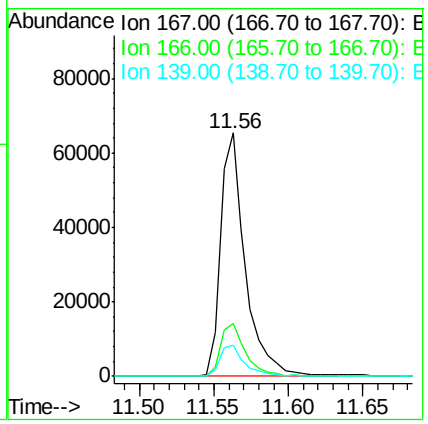




#72
Carbazole
Concen: 3.741 ng
RT: 11.56 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

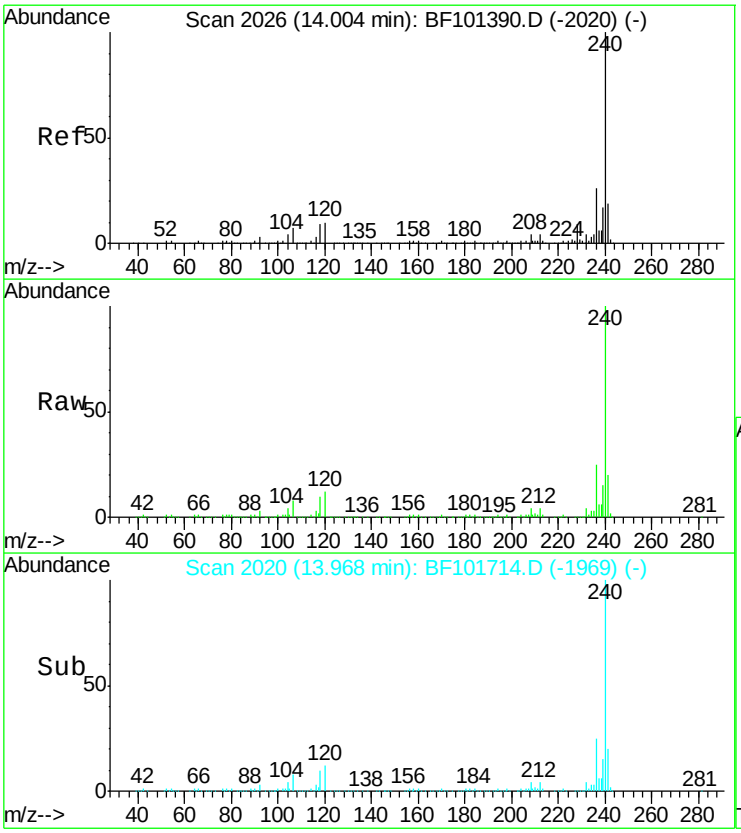
Tgt Ion:167 Resp: 75998

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.0	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

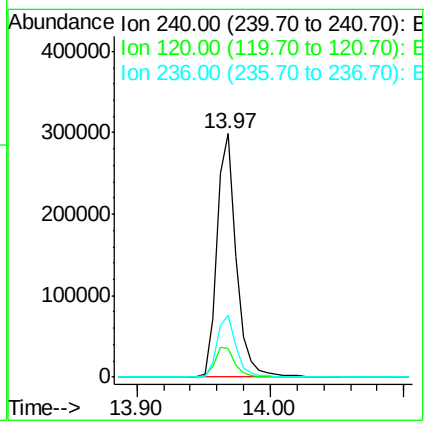
Manual Integrations APPROVED
Sohil
12/27/2017 4:14:34 PM

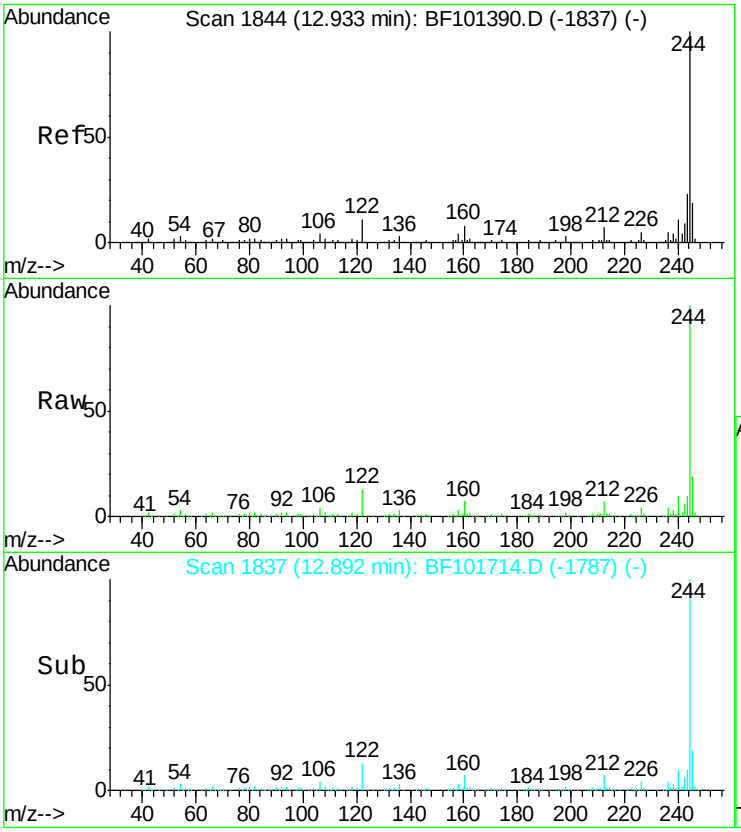


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:240 Resp: 307113

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	25.2	20.7	31.1

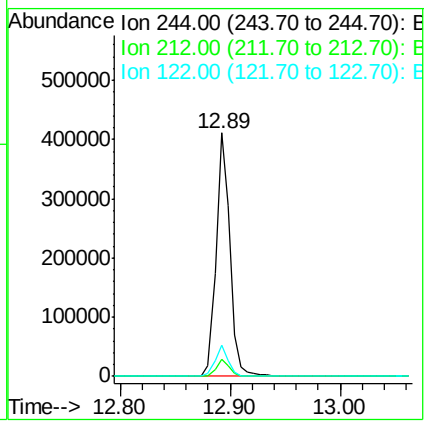




#78
Terphenyl-d14
Concen: 27.656 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

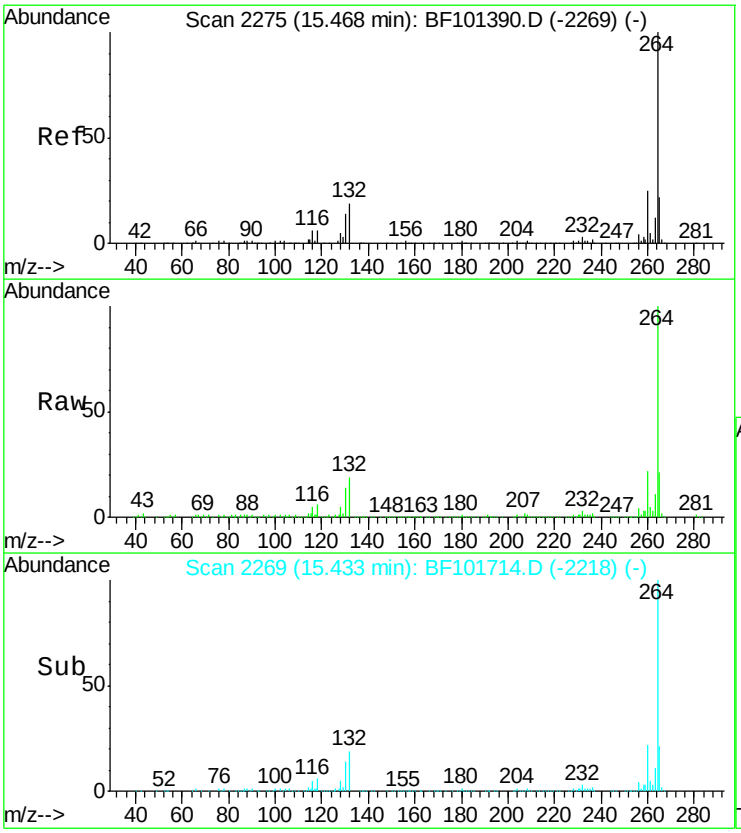
Tgt Ion:244 Resp: 352311

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
WC-04-01DL

Manual Integrations APPROVED
Sohil
12/27/2017 4:14:34 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101714.D
Acq: 26 Dec 2017 14:39

Tgt Ion:264 Resp: 286774

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	21.3	17.5	26.3