Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107841.D
Acq On : 31 Jul 2018 10:10
Operator : JU/SJ
Sample : J4184-02DL2 100X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-7BDDL2

Manual Integrations APPROVED
Sohil
7/31/2018 2:43:21 PM

Quant Time: Jul 31 11:40:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	124100	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	639666	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	286022	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	529250	20.00	ng	0.00
75) Chrysene-d12	14.15	240	394464	20.00	ng	0.00
86) Perylene-d12	15.69	264	394380	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	124	0.02	ng	0.09
7) Phenol-d6	6.73	99	135	0.01	ng	0.12
23) Nitrobenzene-d5	7.59	82	3609	0.33	ng	0.05
41) 2,4,6-Tribromophenol	10.81	330	3445	0.89	ng	0.01
44) 2-Fluorobiphenyl	9.32	172	26219m	1.28	ng	0.00
78) Terphenyl-d14	13.08	244	23221	1.28	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.27	128	1745476	58.702	ng	99
37) 2-Methylnaphthalene	8.96	142	65912	3.529	ng	97
48) Acenaphthylene	9.87	152	61855	2.033	ng	98
51) Acenaphthene	10.04	154	35794	2.025	ng	97

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

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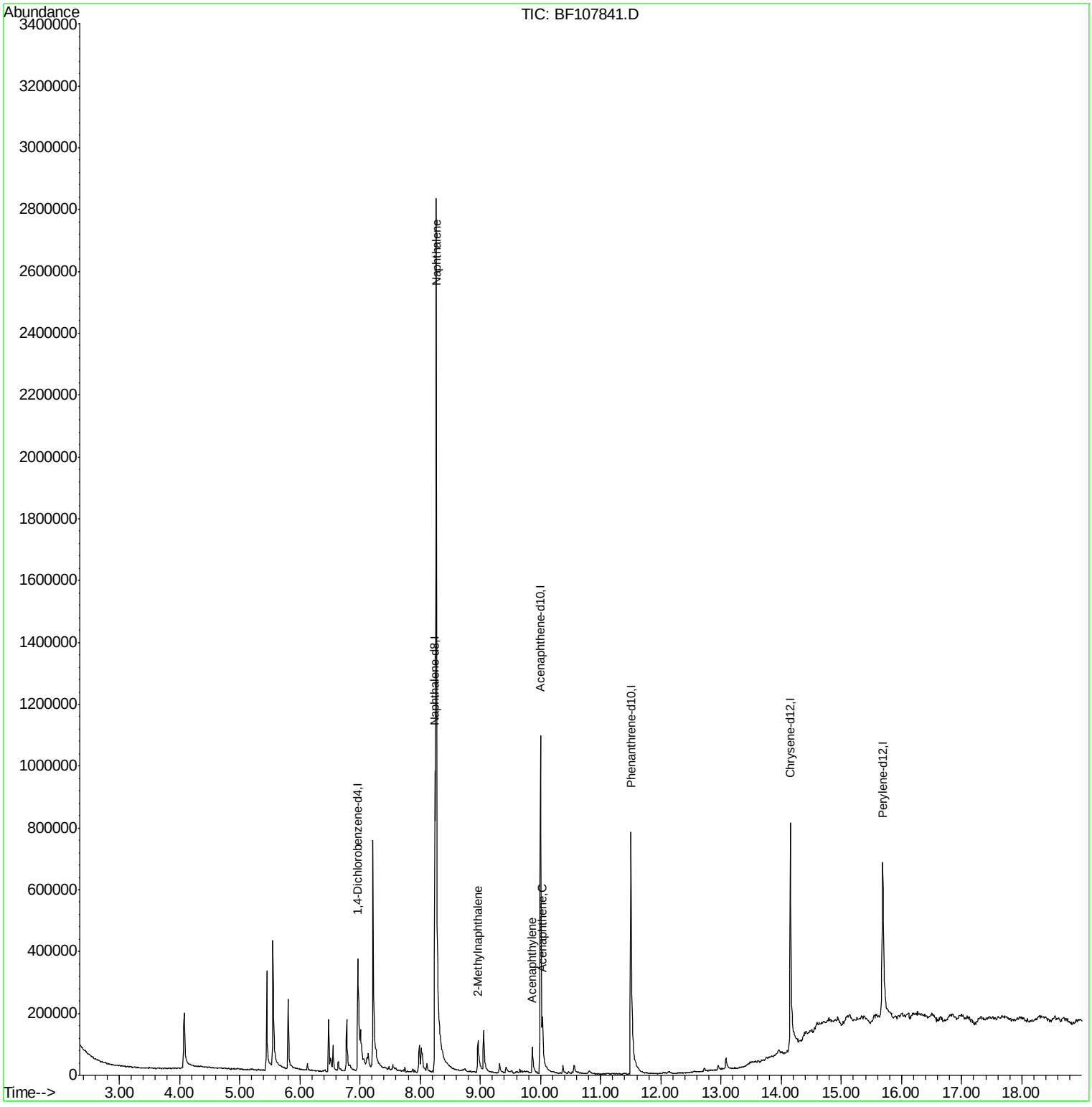
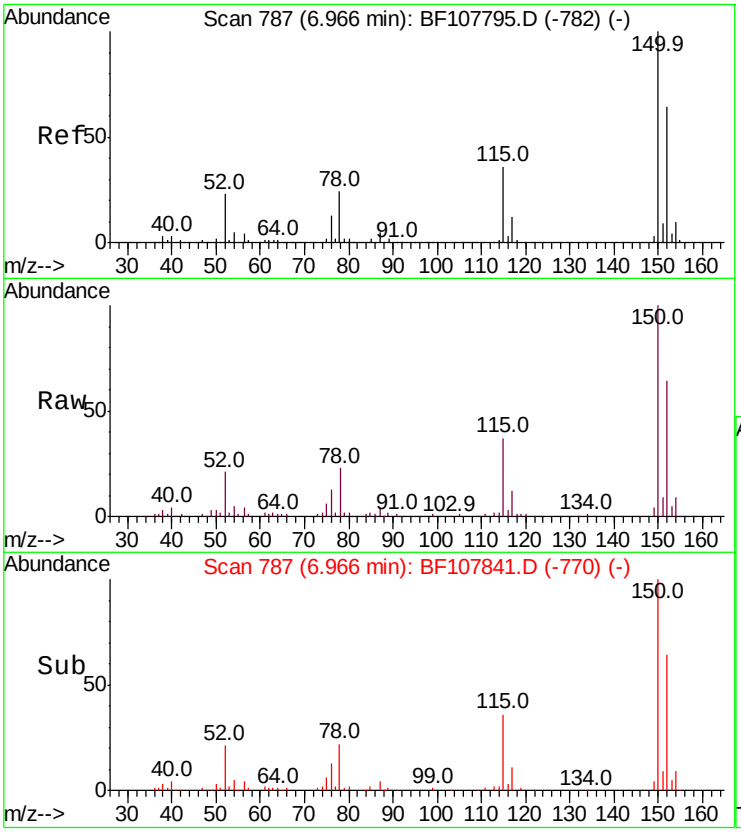
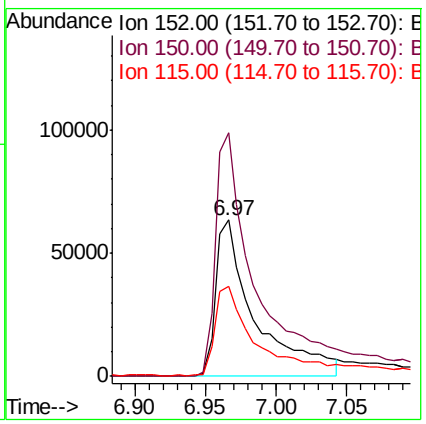




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:152 Resp: 124100

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	57.7	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
MW-7BDDL2

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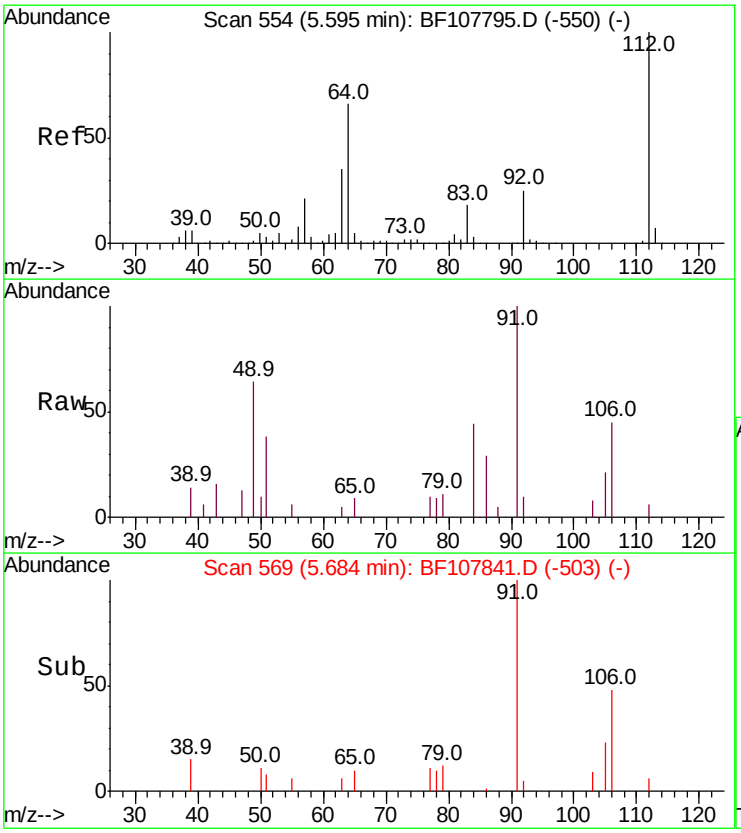
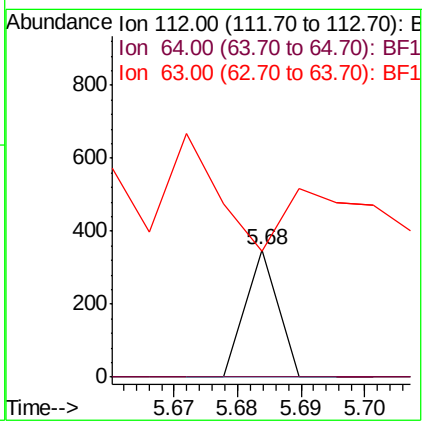
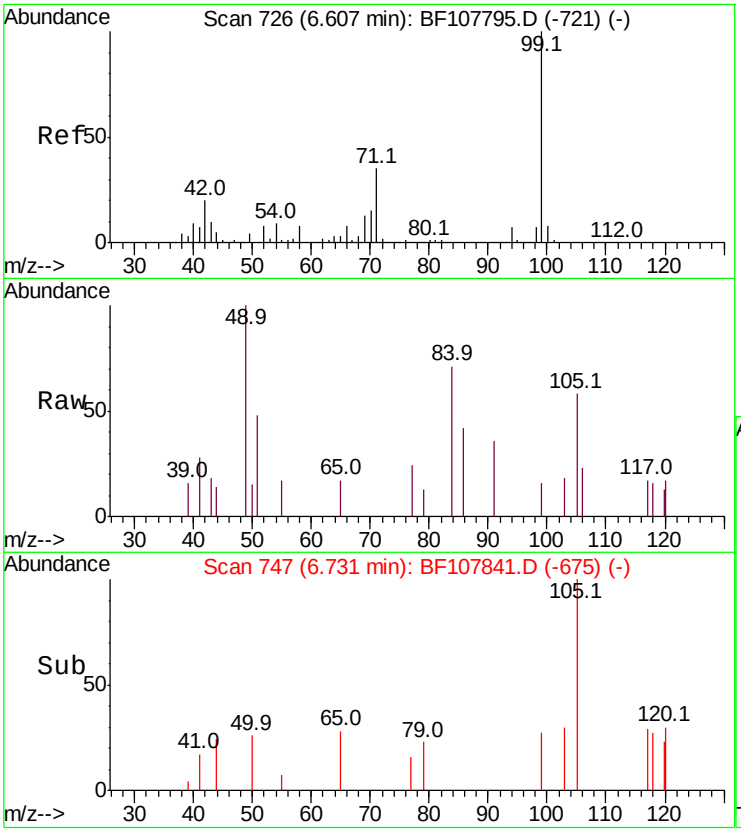


#5
2-Fluorophenol
Concen: 0.017 ng
RT: 5.68 min Scan# 569
Delta R.T. 0.09 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:112 Resp: 124

Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	99.1	23.7	35.5#





#7
Phenol-d6
Concen: 0.014 ng
RT: 6.73 min Scan# 747
Delta R.T. 0.12 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion: 99 Resp: 135

Ion	Ratio	Lower	Upper
99	100		
42	0.0	14.5	21.7#
71	0.0	25.4	38.0#

Instrument :
BNA_F
ClientSampleId :
MW-7BDDL2

Manual Integrations APPROVED
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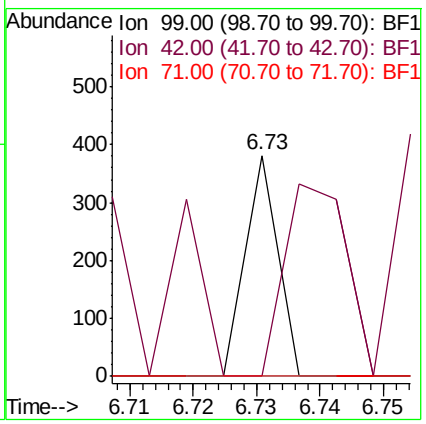
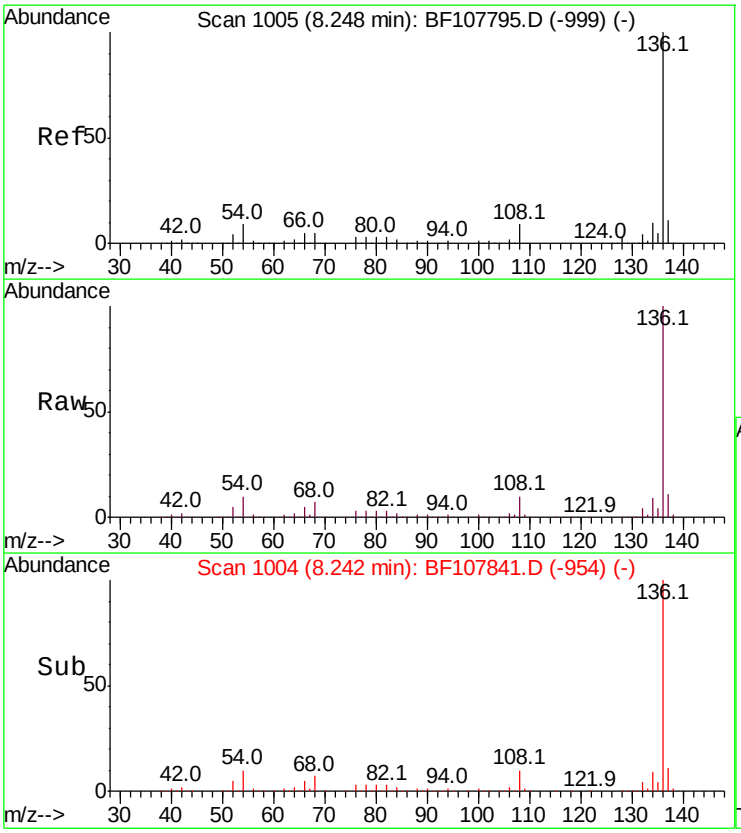
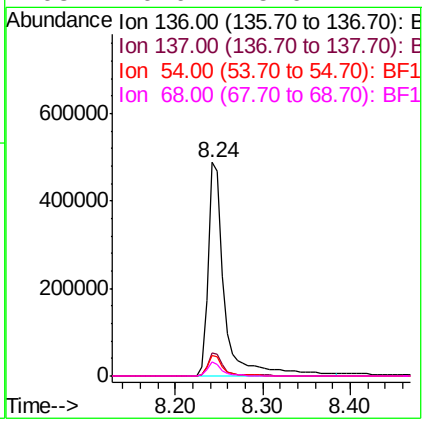


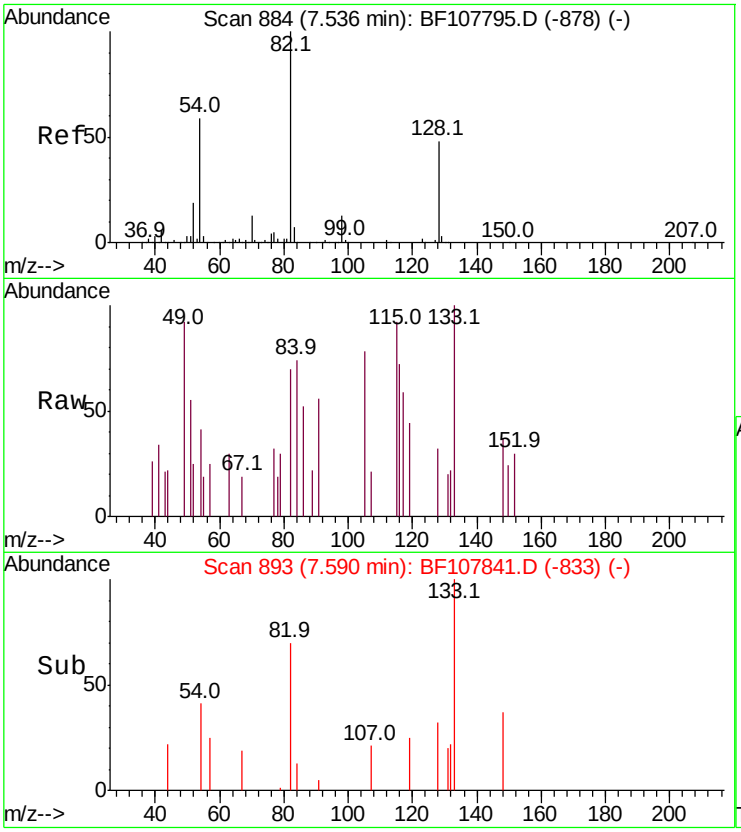


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:136 Resp: 639666

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.6	6.6	9.8
68	6.6	5.0	7.4

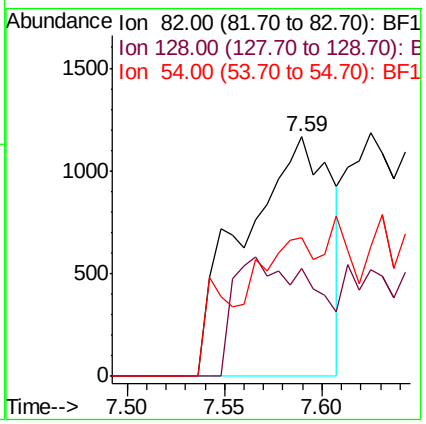




#23
Nitrobenzene-d5
Concen: 0.325 ng
RT: 7.59 min Scan# 893
Delta R.T. 0.05 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion: 82 Resp: 3609

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	58.1	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
MW-7BDDL2

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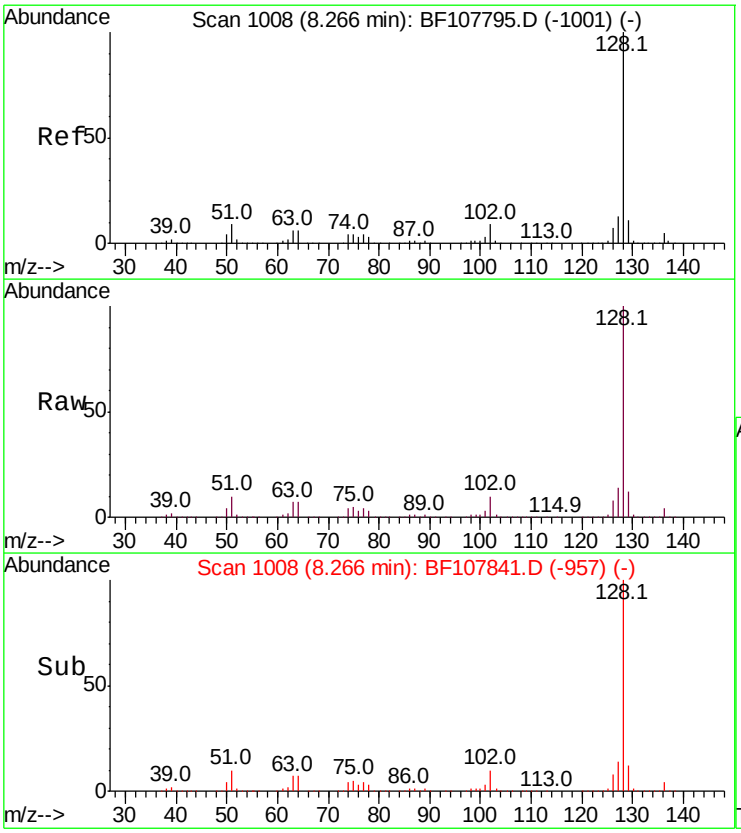
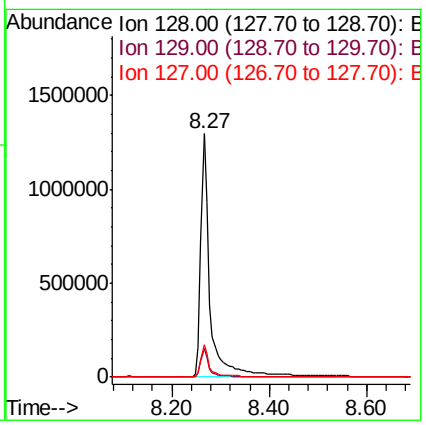
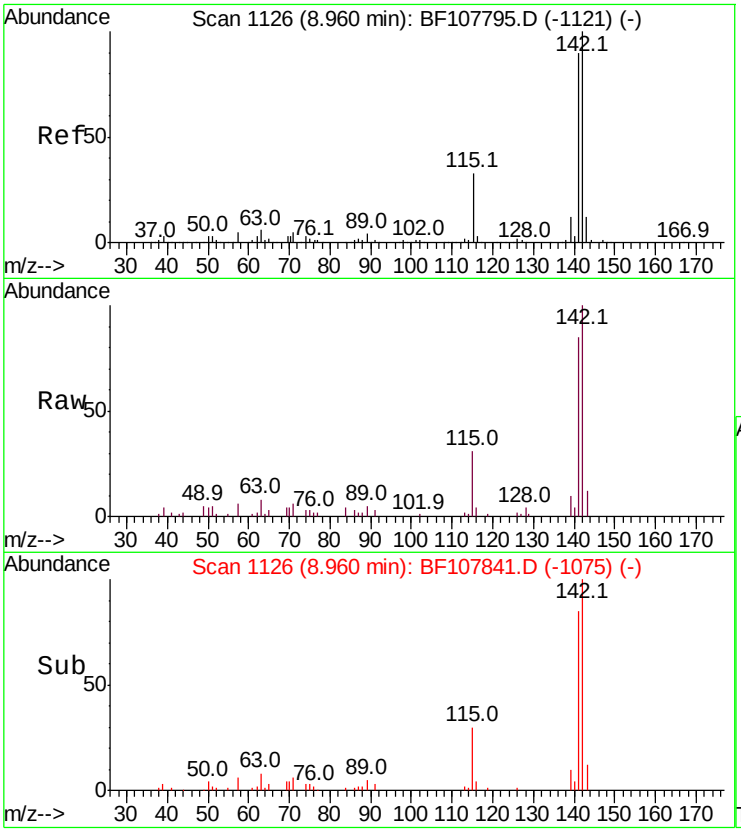


#31
Naphthalene
Concen: 58.702 ng
RT: 8.27 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:128 Resp: 1745476

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.6	10.9	16.3

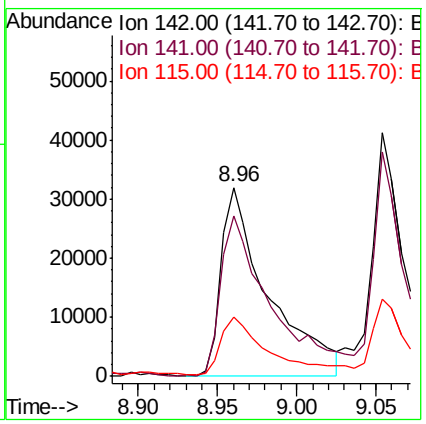




#37
2-Methylnaphthalene
Concen: 3.529 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:142 Resp: 65912

Ion	Ratio	Lower	Upper
142	100		
141	85.1	70.8	106.2
115	31.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
MW-7BDDL2

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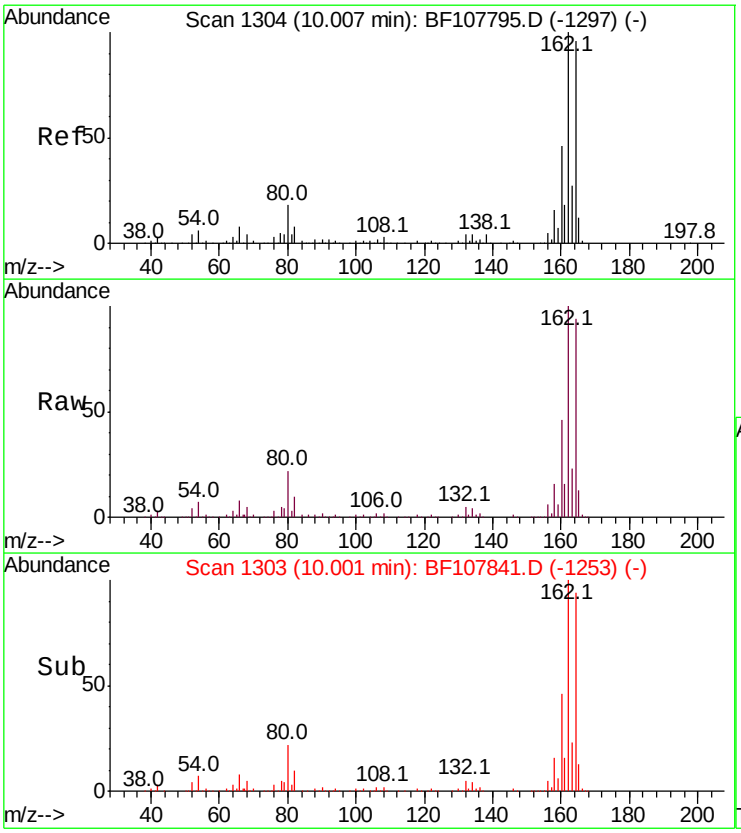
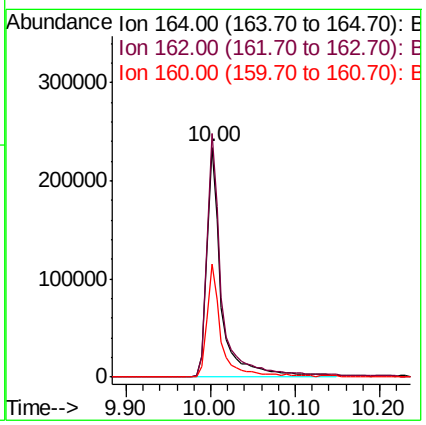
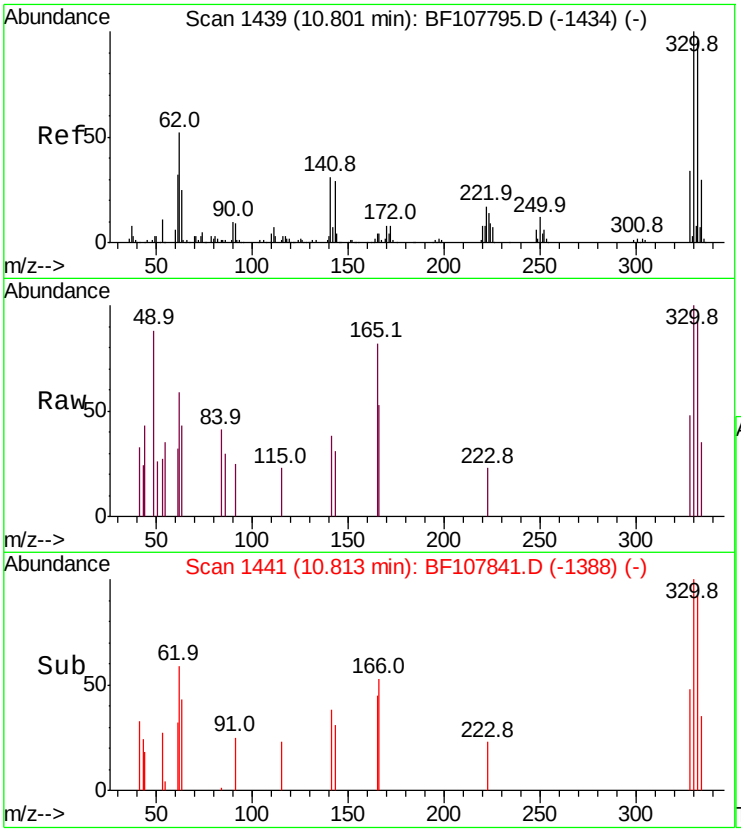


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:164 Resp: 286022

Ion	Ratio	Lower	Upper
164	100		
162	106.0	86.1	129.1
160	49.2	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 0.886 ng
RT: 10.81 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:330 Resp: 3445

Ion	Ratio	Lower	Upper
330	100		
332	71.2	77.0	115.6#
141	33.9	29.9	44.9

Instrument :
BNA_F
ClientSampleId :
MW-7BDDL2

Manual Integrations APPROVED
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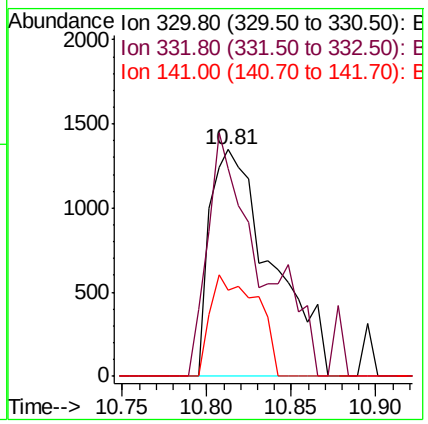
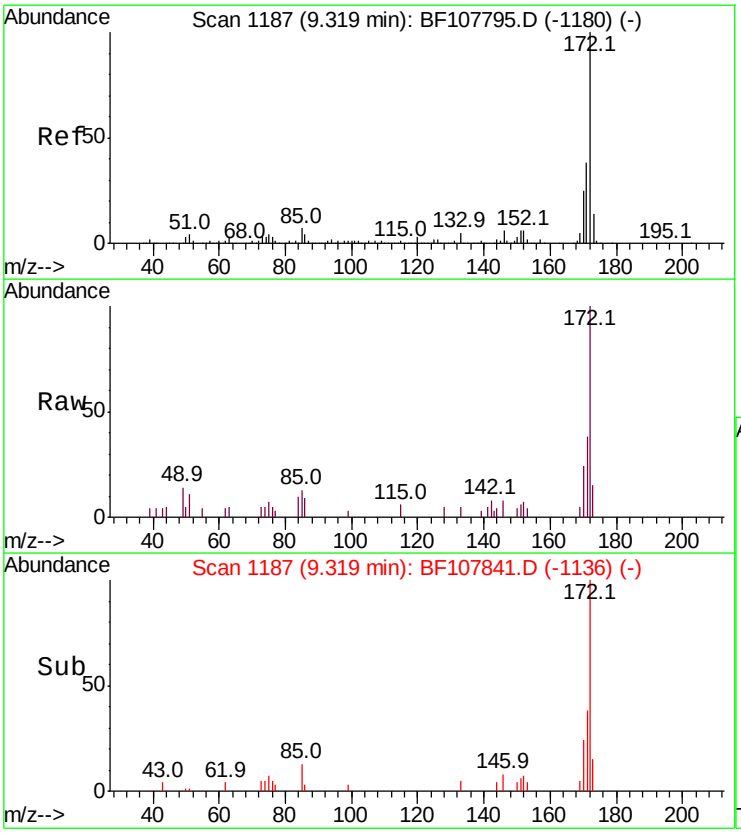
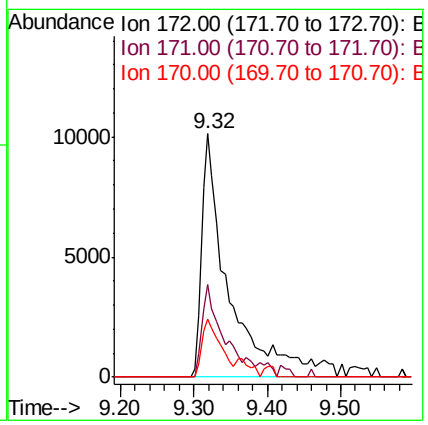


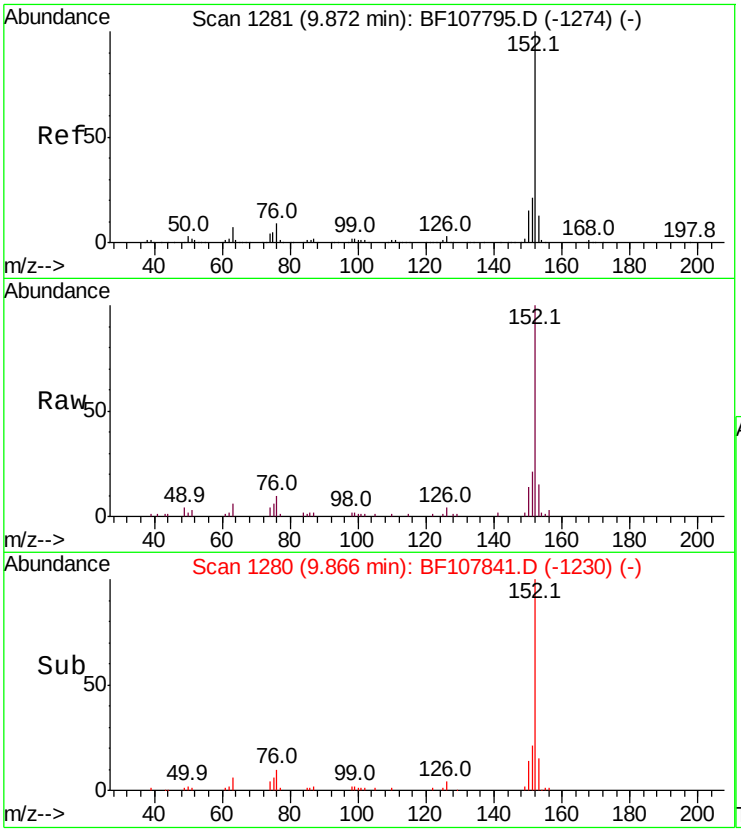


#44
2-Fluorobiphenyl
Concen: 1.277 ng m
RT: 9.32 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:172 Resp: 26219

Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.7	44.5
170	23.8	19.6	29.4

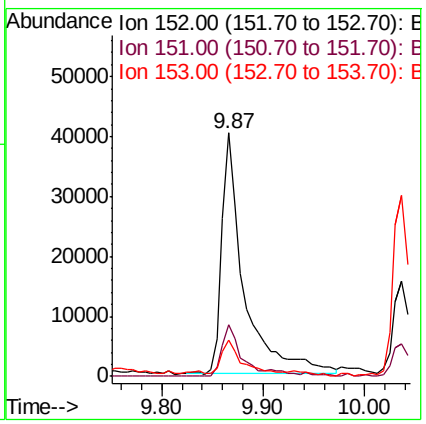




#48
Acenaphthylene
Concen: 2.033 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:152 Resp: 61855

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	14.9	10.7	16.1



Instrument :
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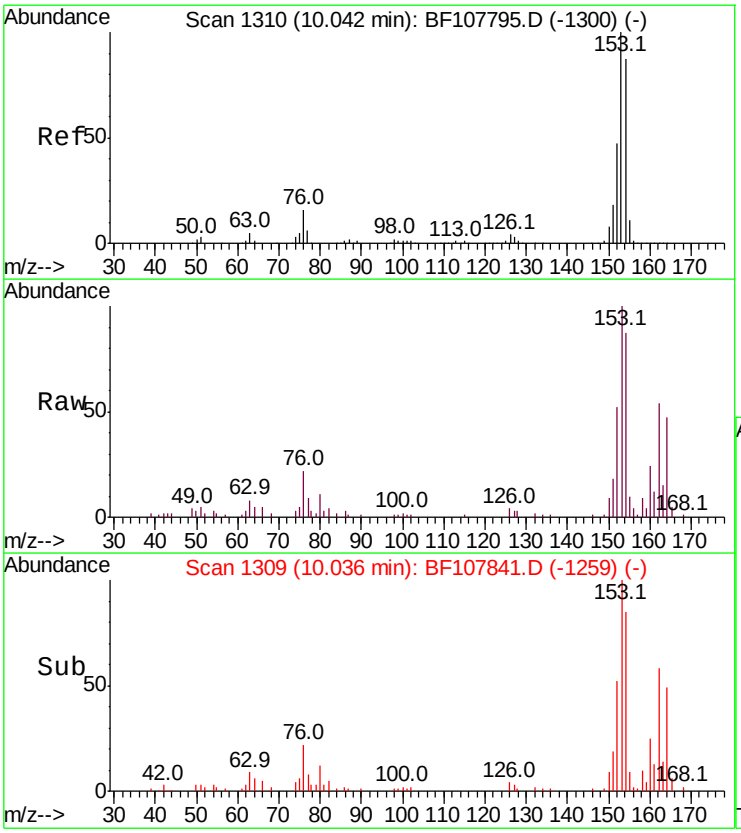
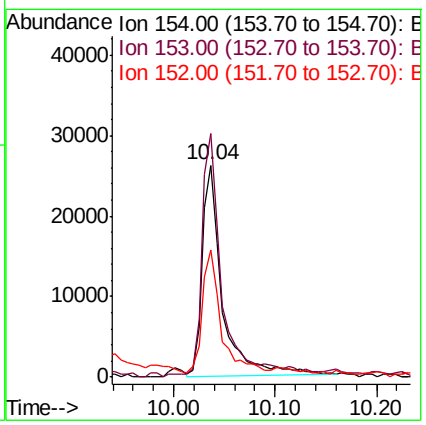
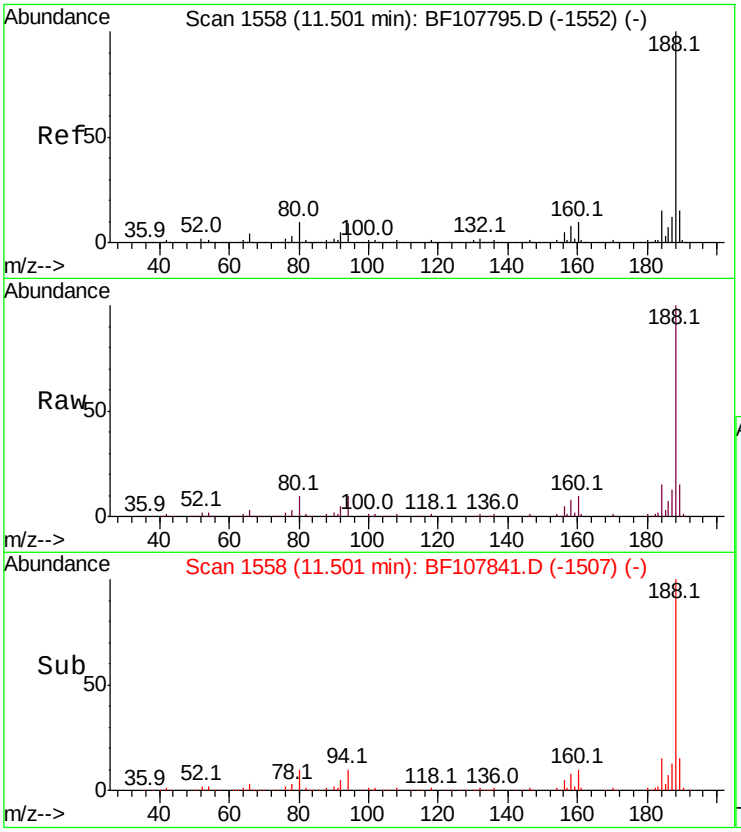


#51
Acenaphthene
Concen: 2.025 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:154 Resp: 35794

Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.2	136.8
152	60.1	43.8	65.8

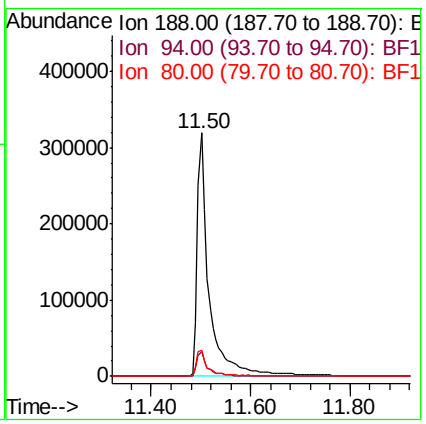




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:188 Resp: 529250

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.5	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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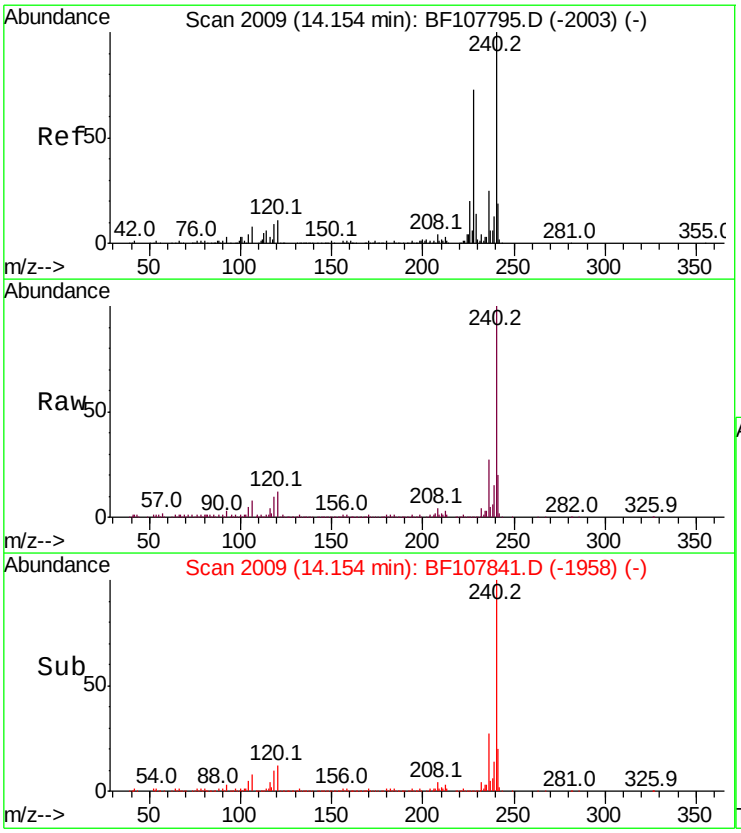
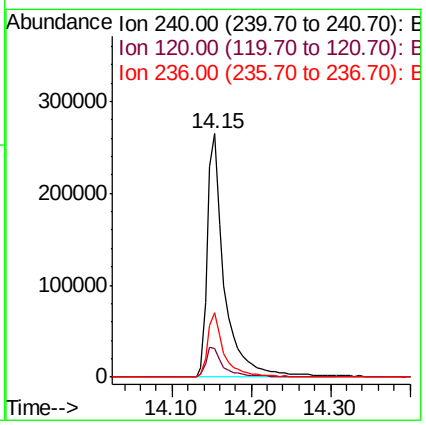
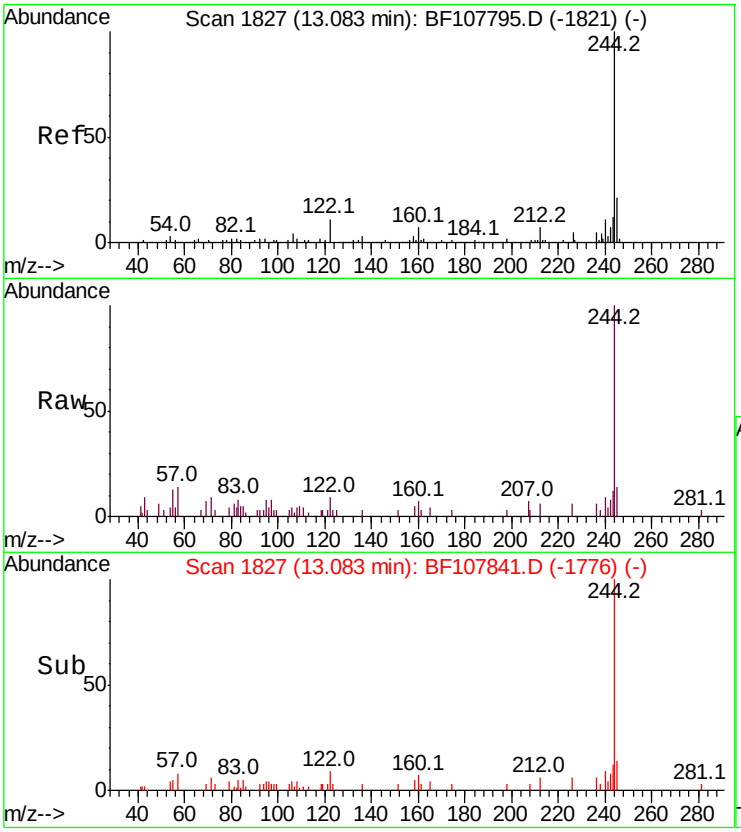


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:240 Resp: 394464

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.5	14.3
236	26.7	20.7	31.1





#78
Terphenyl-d14
Concen: 1.276 ng
RT: 13.08 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:244 Resp: 23221

Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.4	8.0
122	9.2	11.0	16.4#

Instrument :
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ClientSampleId :
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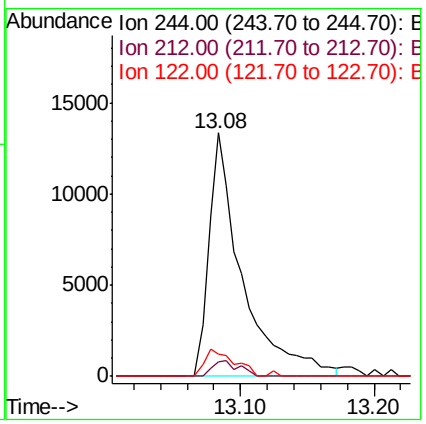

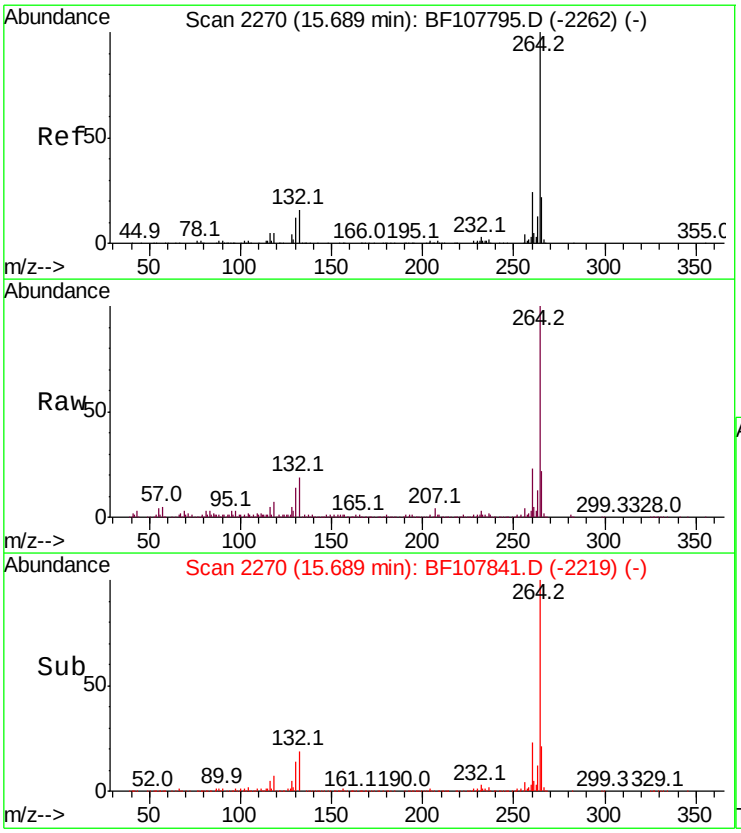

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107841.D
Acq: 31 Jul 2018 10:10

Tgt Ion:264 Resp: 394380

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.6	17.5	26.3