Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
Data File : BF107780.D
Acq On : 28 Jul 2018 7:23
Operator : JU/SJ
Sample : J4184-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-3B

Quant Time: Jul 30 03:14:10 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	153452	20.00	ng		-0.01
21) Naphthalene-d8	8.25	136	478576	20.00	ng		0.00
38) Acenaphthene-d10	10.00	164	220765	20.00	ng		-0.02
63) Phenanthrene-d10	11.50	188	402297	20.00	ng		-0.02
75) Chrysene-d12	14.15	240	429169	20.00	ng		-0.02
86) Perylene-d12	15.68	264	337639	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.60	112	498822	52.26	ng		-0.01
7) Phenol-d6	6.60	99	379629	33.13	ng		-0.01
23) Nitrobenzene-d5	7.53	82	896929	126.48	ng		-0.02
41) 2,4,6-Tribromophenol	10.80	330	349725	139.31	ng		-0.02
44) 2-Fluorobiphenyl	9.32	172	1652646	167.80	ng		-0.02
78) Terphenyl-d14	13.08	244	1479144	88.23	ng		-0.02
Target Compounds							Qvalue
27) 2,4-Dimethylphenol	7.91	122	29495	4.543	ng		90
31) Naphthalene	8.30	128	8371615	397.796	ng	#	90
37) 2-Methylnaphthalene	8.95	142	103658	7.108	ng		97
45) 1,1'-Biphenyl	9.42	154	320876	16.685	ng		96
48) Acenaphthylene	9.86	152	109384	4.954	ng	#	93
49) Dimethylphthalate	9.71	163	61914	3.721	ng		98
51) Acenaphthene	10.04	154	721477	52.147	ng		100
57) Fluorene	10.55	166	175614	12.085	ng		93
70) Phenanthrene	11.52	178	226251	11.541	ng		98

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

Quantitation Report (QT/LSC Reviewed)

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MW-3B

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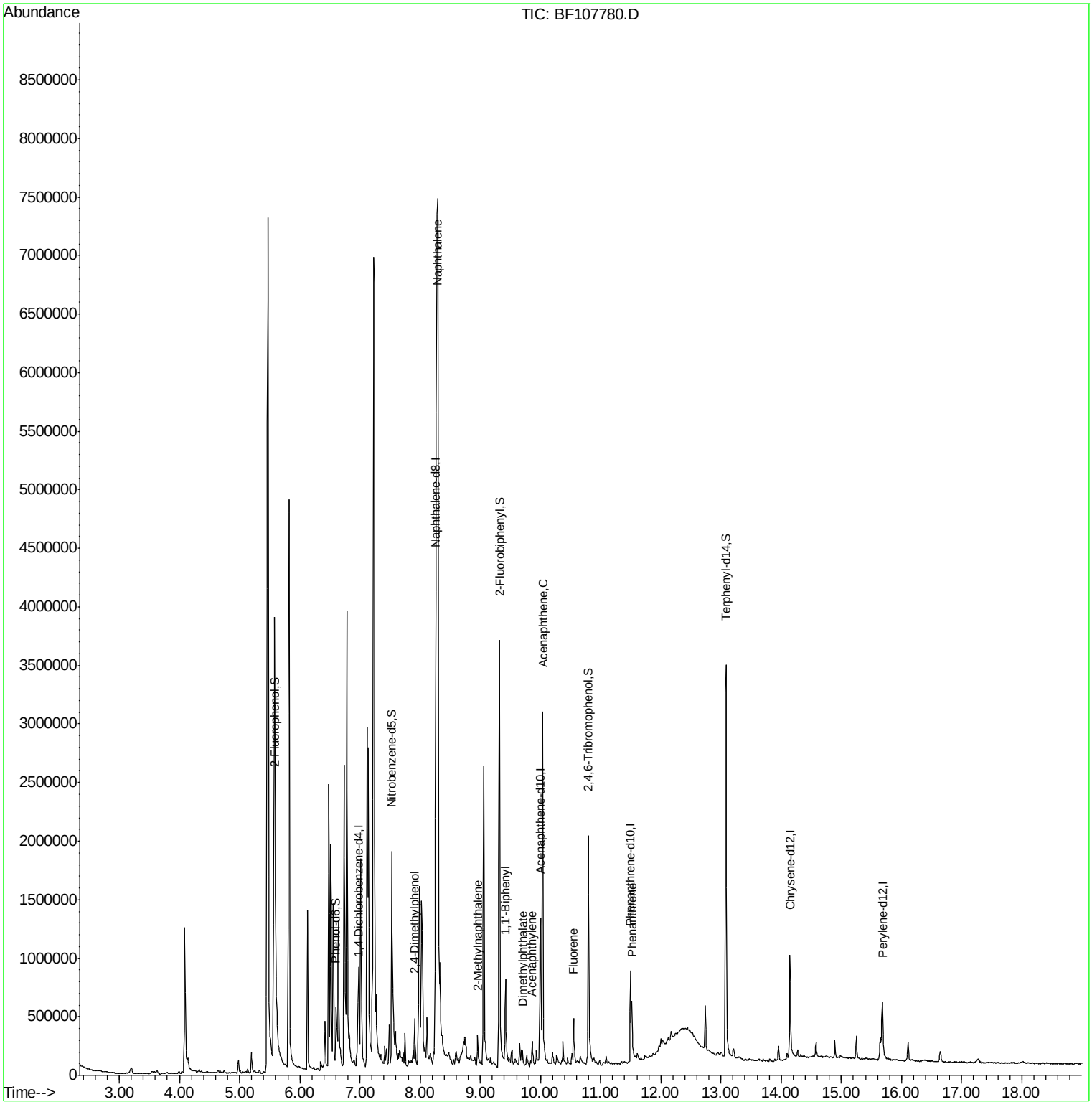
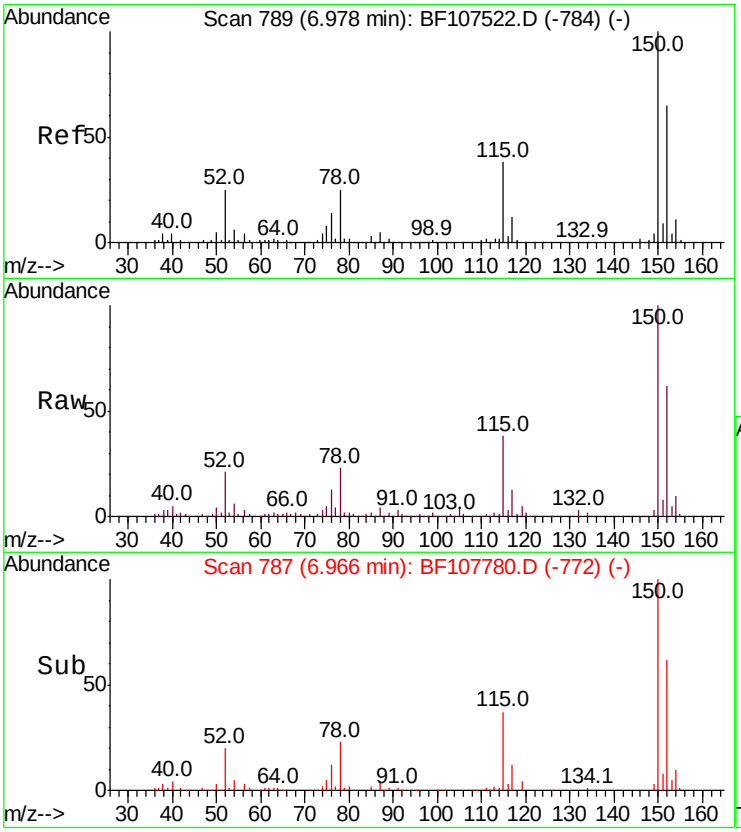
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration



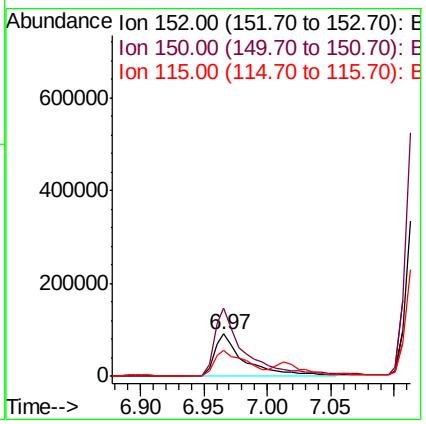


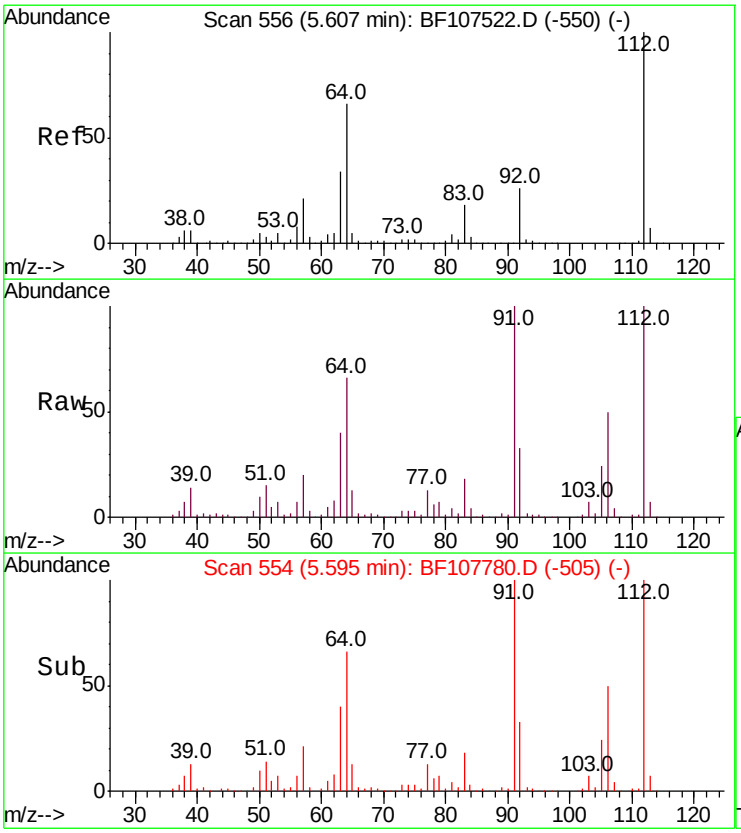
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:152 Resp: 153452

Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.6	186.8
115	60.8	50.1	75.1

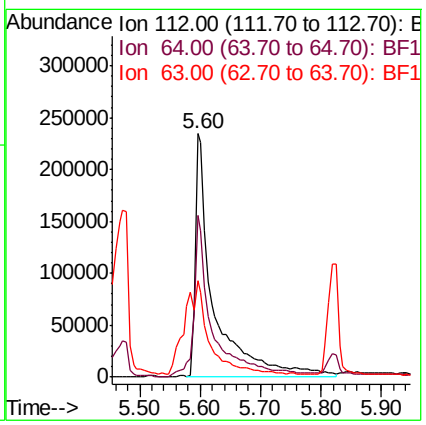


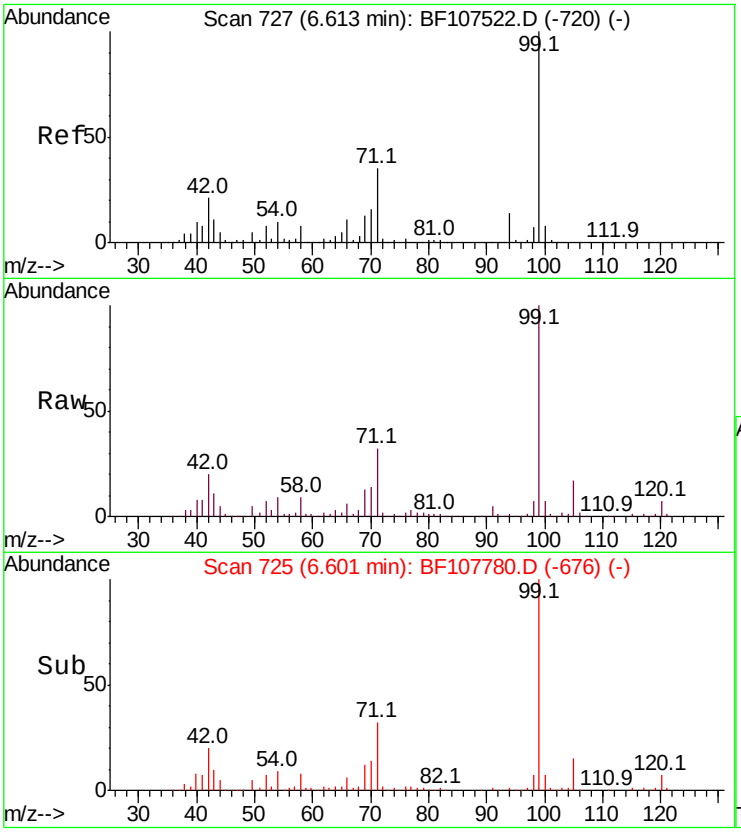


#5
2-Fluorophenol
Concen: 52.265 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:112 Resp: 498822

Ion	Ratio	Lower	Upper
112	100		
64	66.4	47.9	71.9
63	39.7	23.7	35.5#

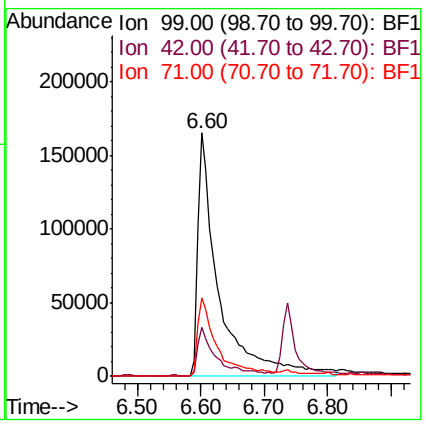




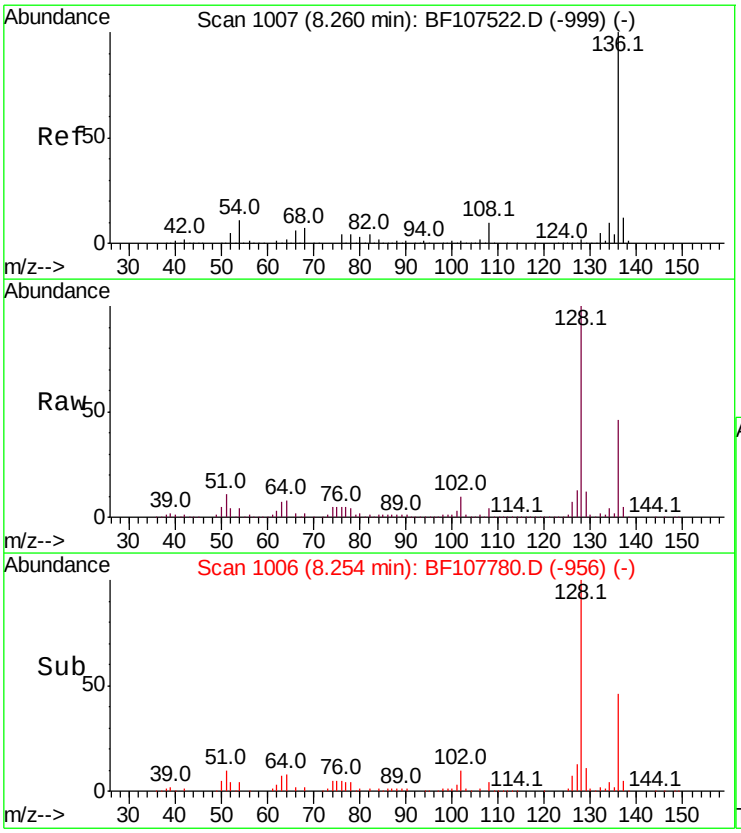
#7
Phenol-d6
Concen: 33.126 ng
RT: 6.60 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion: 99 Resp: 379629

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	32.2	25.4	38.0



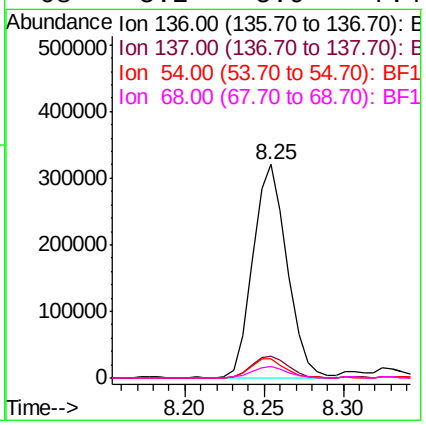
Instrument :
BNA_F
ClientSampleId :
MW-3B

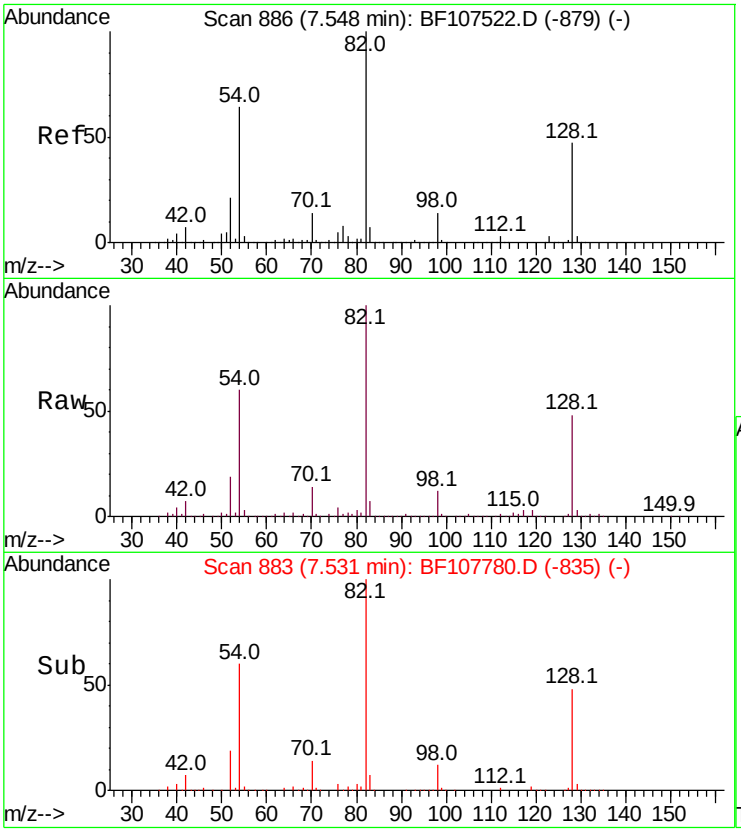


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:136 Resp: 478576

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.9	13.3
54	9.1	6.6	9.8
68	5.2	5.0	7.4



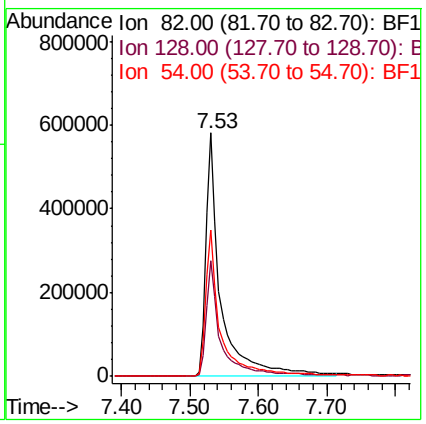


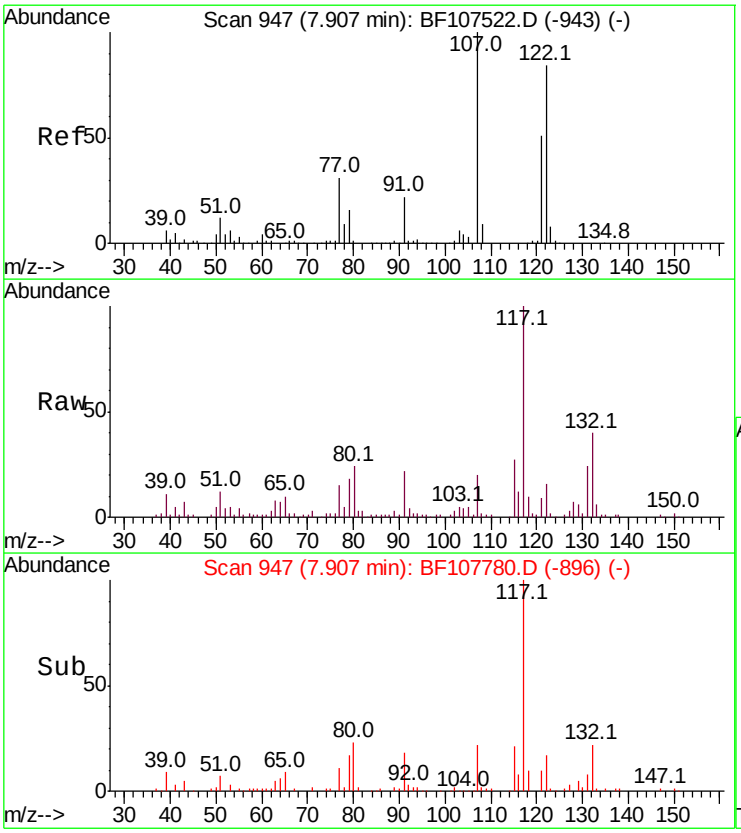
#23
Nitrobenzene-d5
Concen: 126.483 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion: 82 Resp: 896929

Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	60.1	41.4	62.2

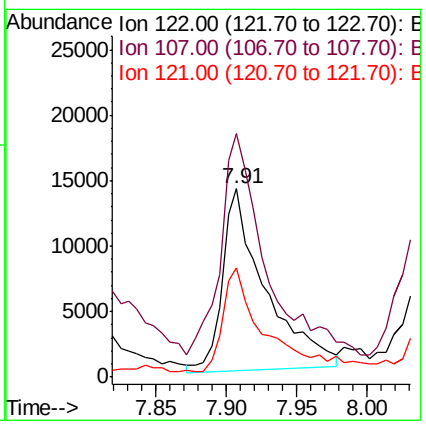


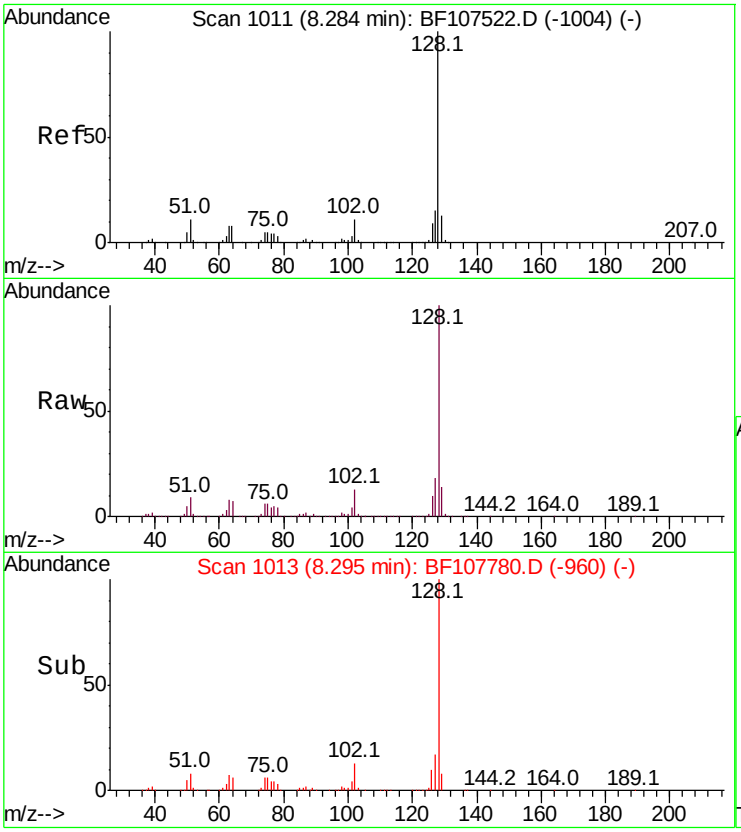


#27
2,4-Dimethylphenol
Concen: 4.543 ng
RT: 7.91 min Scan# 947
Delta R.T. -0.00 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:122 Resp: 29495

Ion	Ratio	Lower	Upper
122	100		
107	129.3	91.2	136.8
121	58.3	47.2	70.8



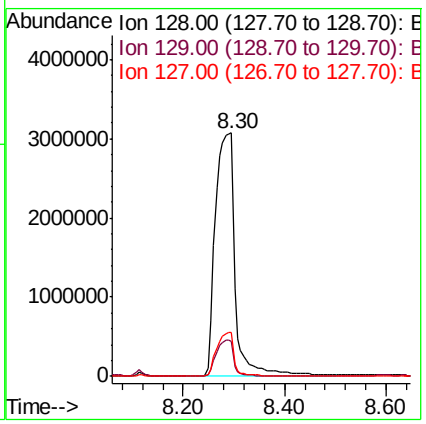


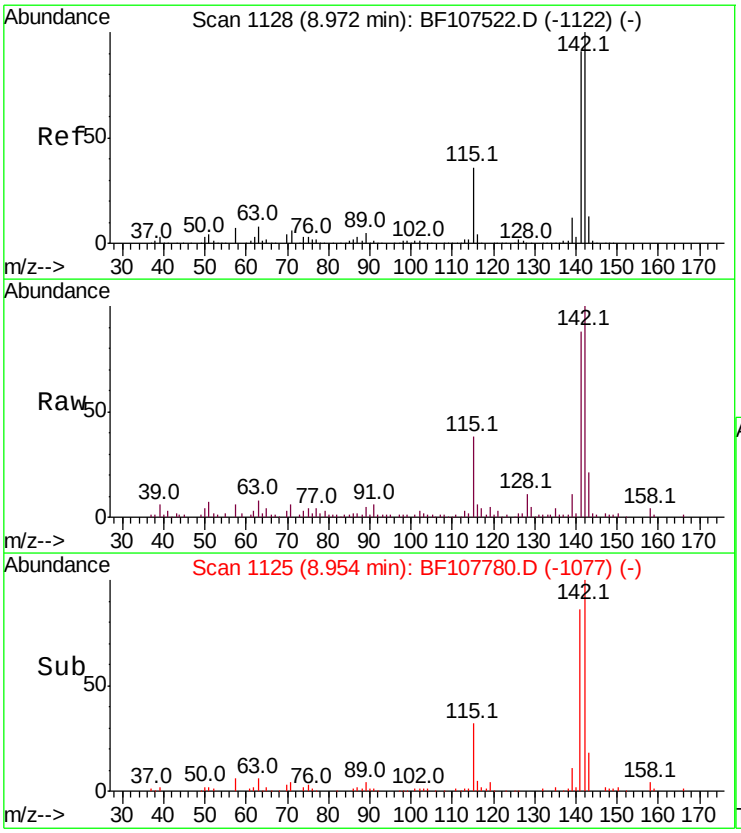
#31
Naphthalene
Concen: 397.796 ng
RT: 8.30 min Scan# 1013
Delta R.T. 0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:128 Resp: 8371615

Ion	Ratio	Lower	Upper
128	100		
129	14.3	8.8	13.2#
127	17.8	10.9	16.3#

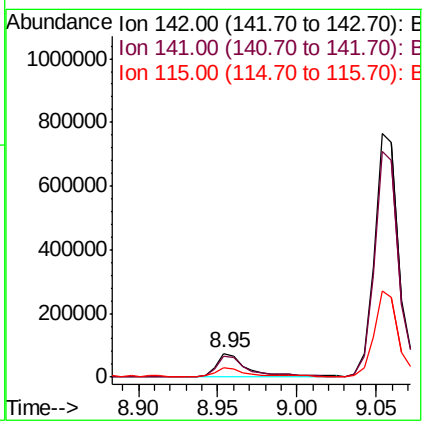


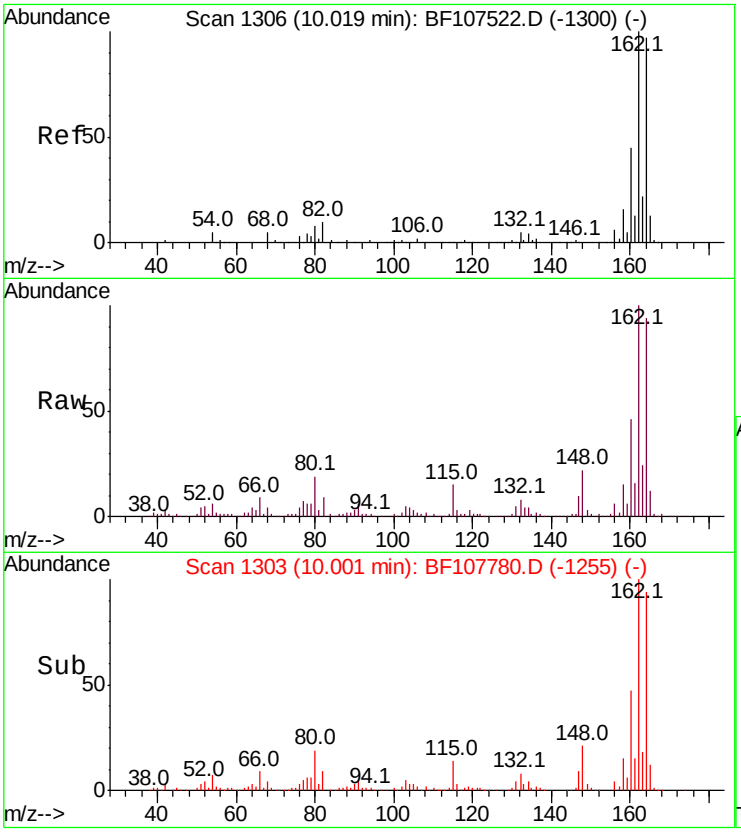


#37
2-Methylnaphthalene
Concen: 7.108 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:142 Resp: 103658

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2
115	37.8	26.1	39.1



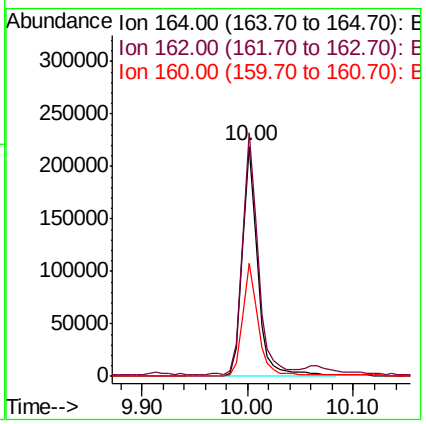


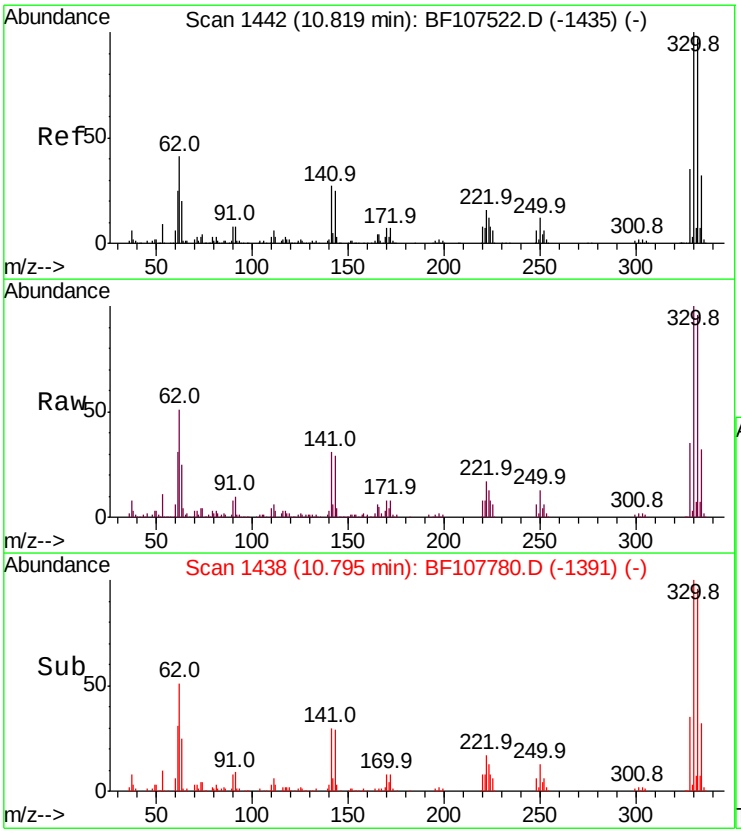
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:164 Resp: 220765

Ion	Ratio	Lower	Upper
164	100		
162	106.0	86.1	129.1
160	49.3	38.3	57.5

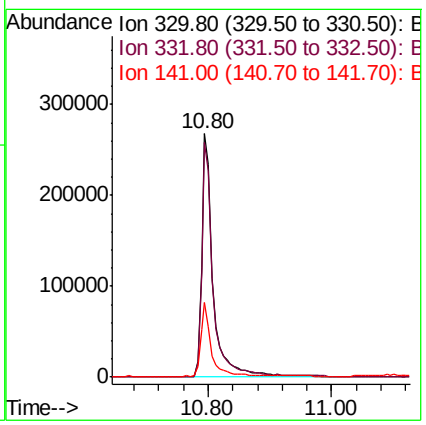


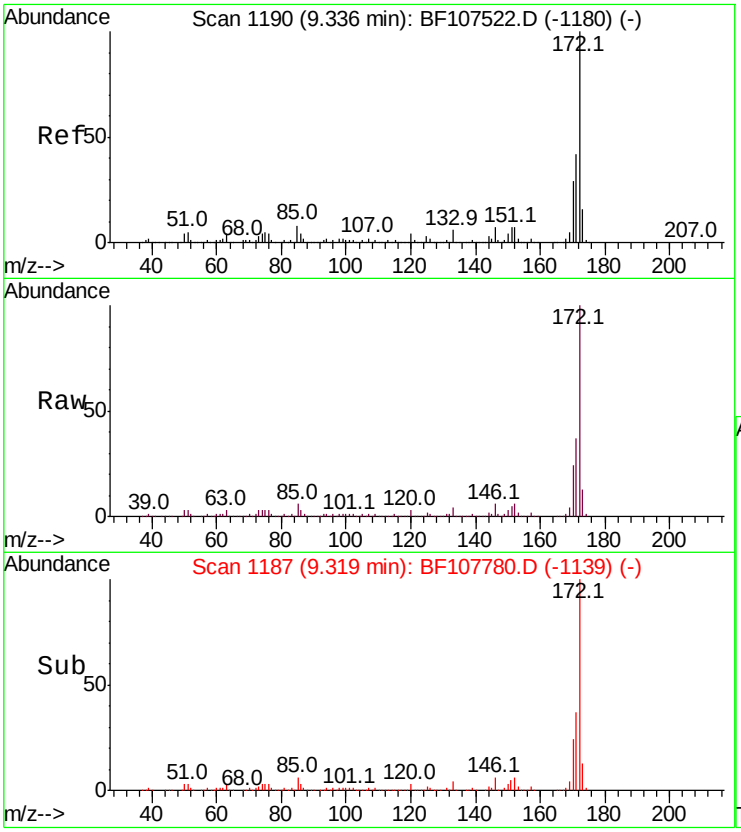


#41
2,4,6-Tribromophenol
Concen: 139.308 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:330 Resp: 349725

Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	28.8	29.9	44.9#



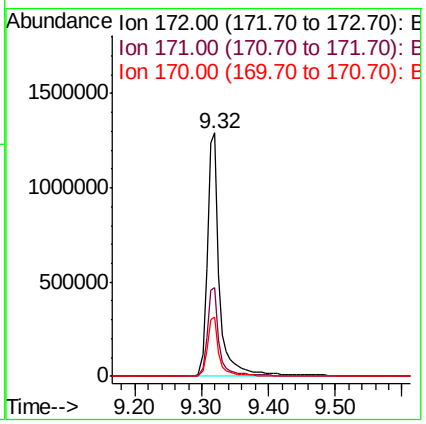


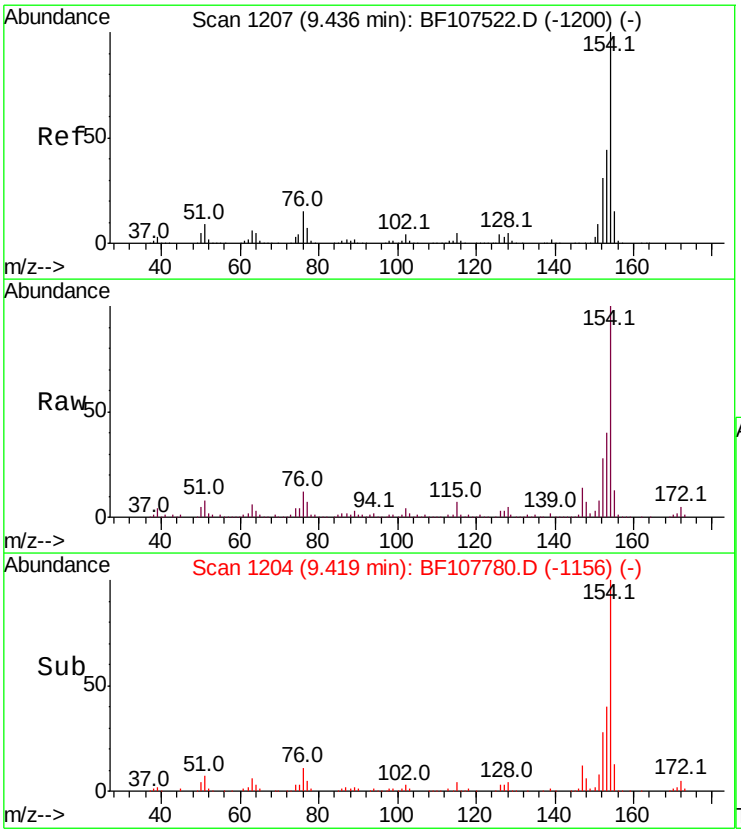
#44
2-Fluorobiphenyl
Concen: 167.797 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:172 Resp: 1652646

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.4	19.6	29.4

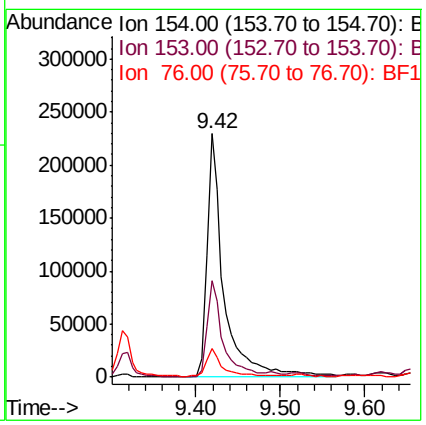


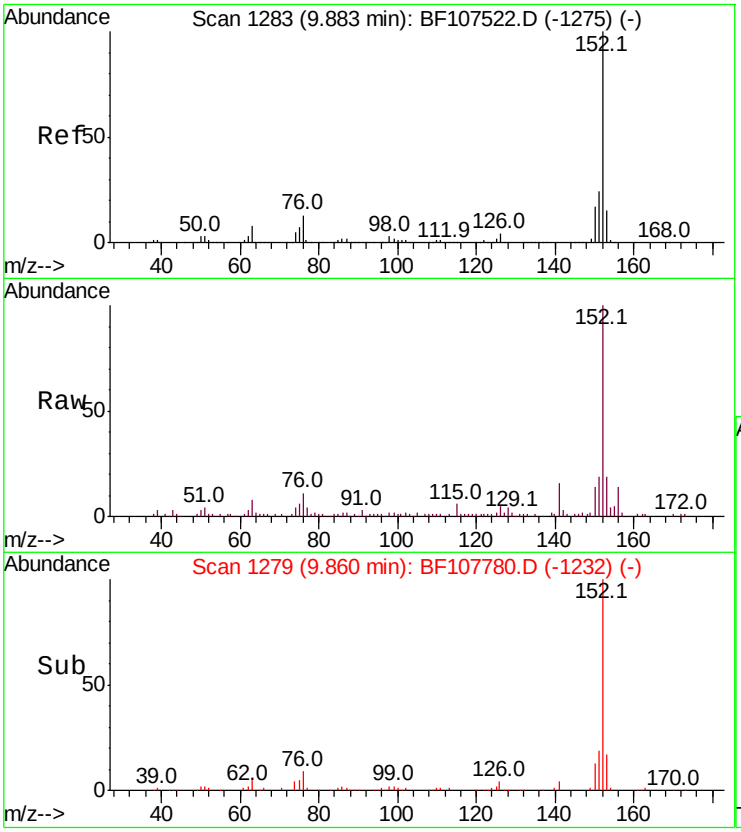


#45
1,1'-Biphenyl
Concen: 16.685 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:154 Resp: 320876

Ion	Ratio	Lower	Upper
154	100		
153	39.5	21.3	61.3
76	11.6	0.0	34.0



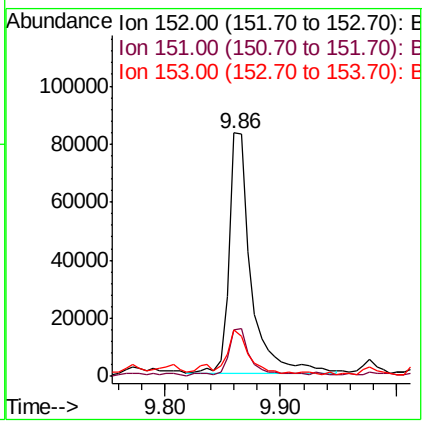


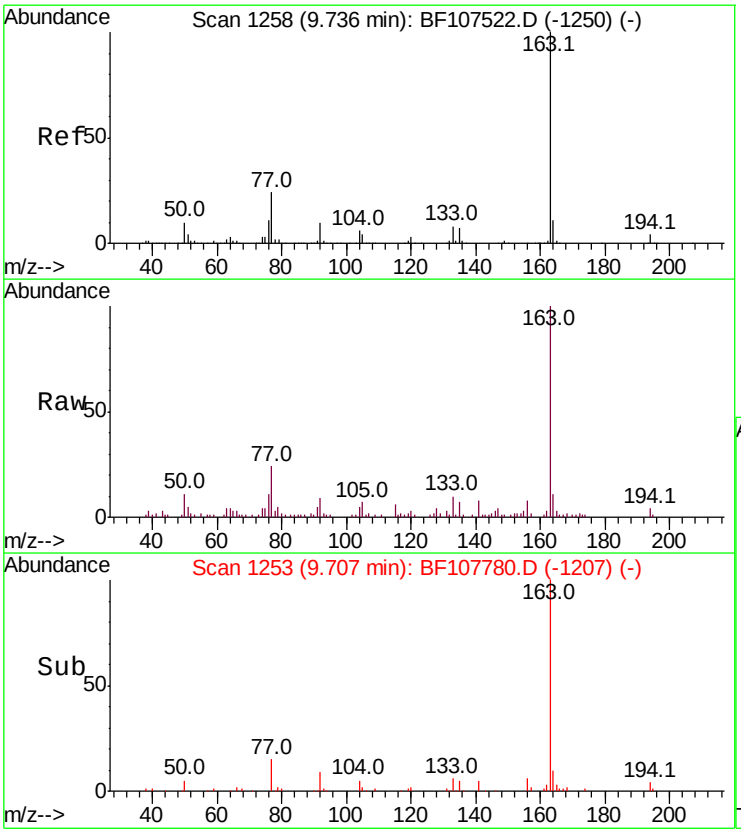
#48
Acenaphthylene
Concen: 4.954 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:152 Resp: 109384

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.3	24.5
153	19.1	10.7	16.1#

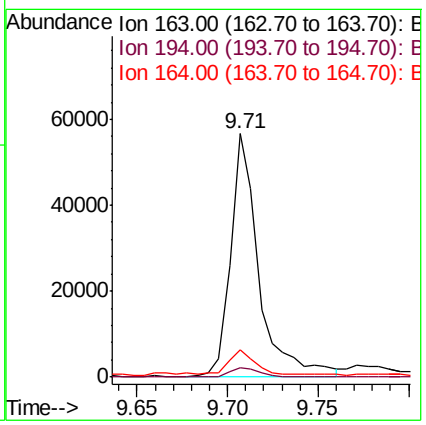


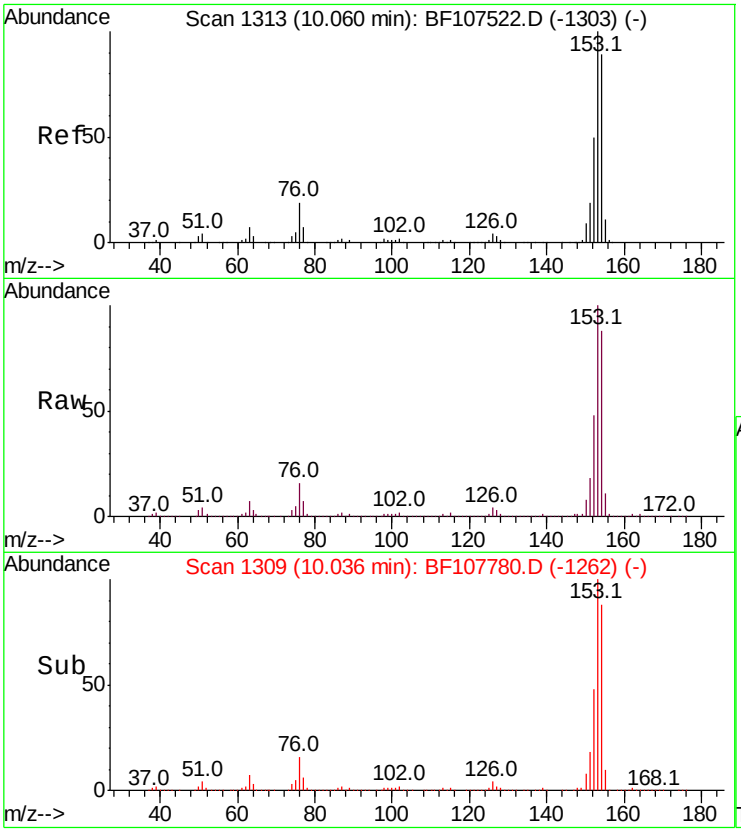


#49
Dimethylphthalate
Concen: 3.721 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:163 Resp: 61914

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	11.0	8.2	12.2



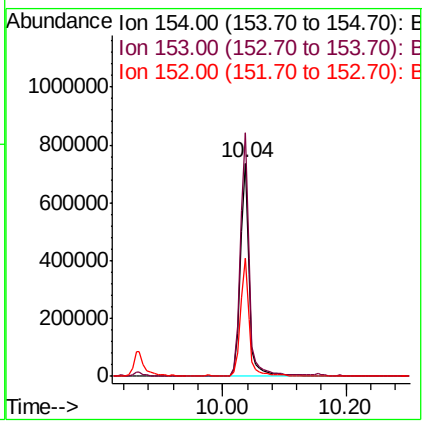


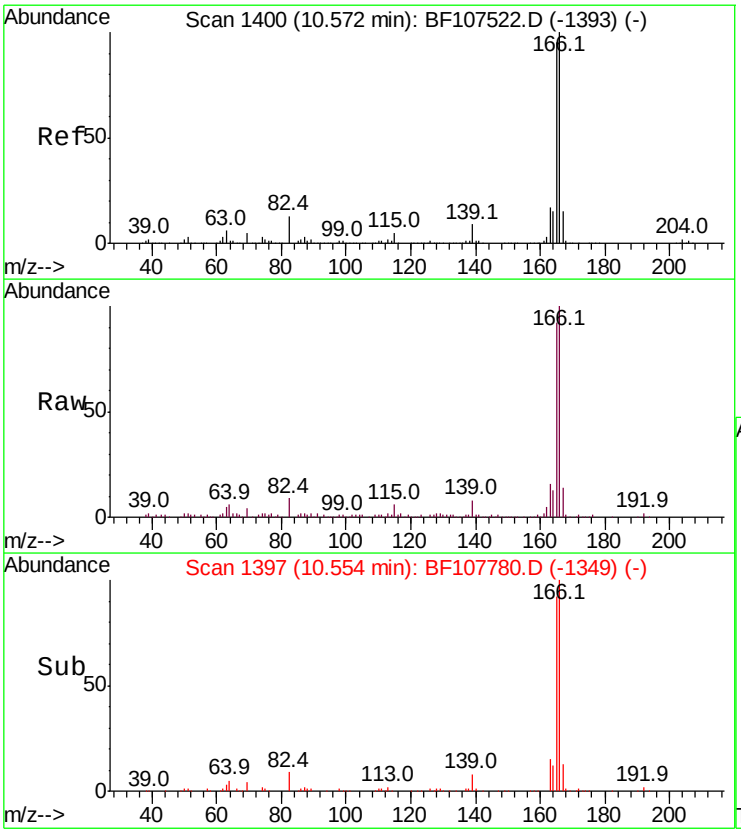
#51
Acenaphthene
Concen: 52.147 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:154 Resp: 721477

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.2	136.8
152	55.2	43.8	65.8

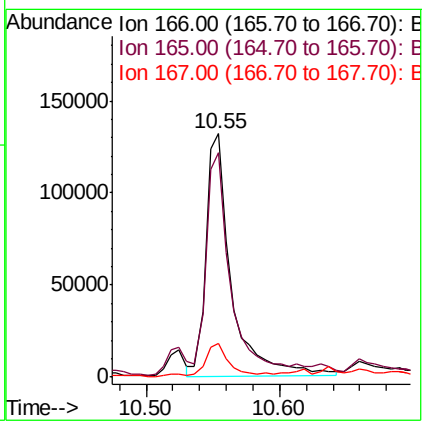


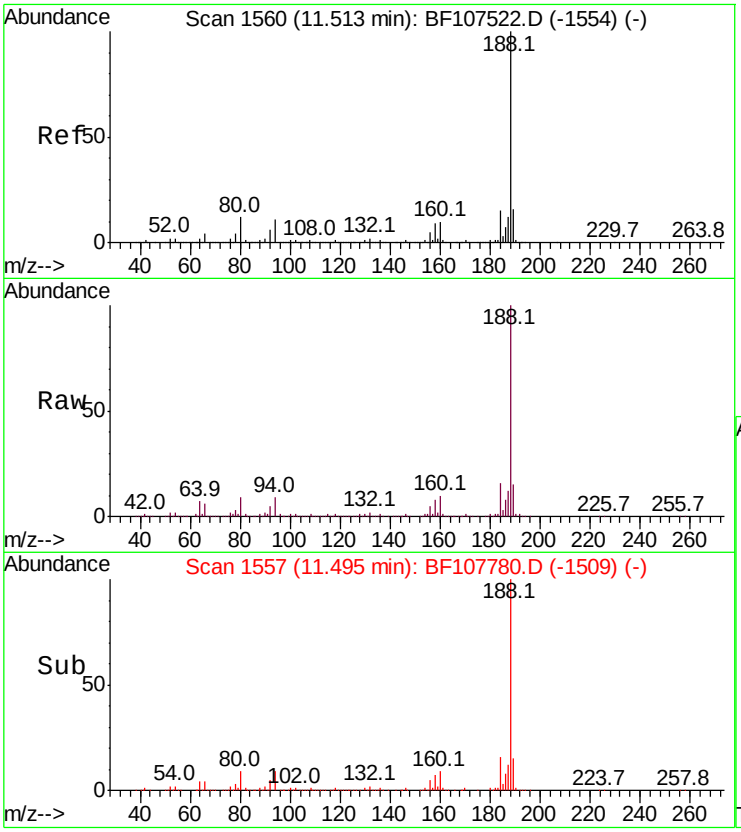


#57
Fluorene
Concen: 12.085 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:166 Resp: 175614

Ion	Ratio	Lower	Upper
166	100		
165	92.2	79.8	119.8
167	13.7	10.6	16.0



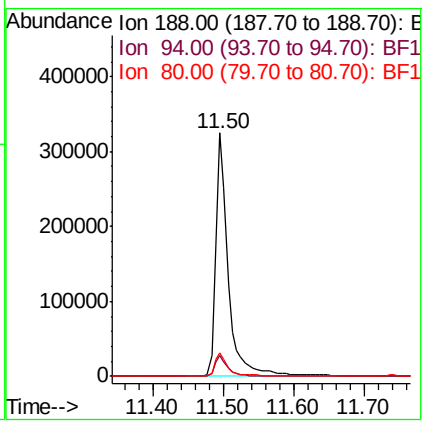


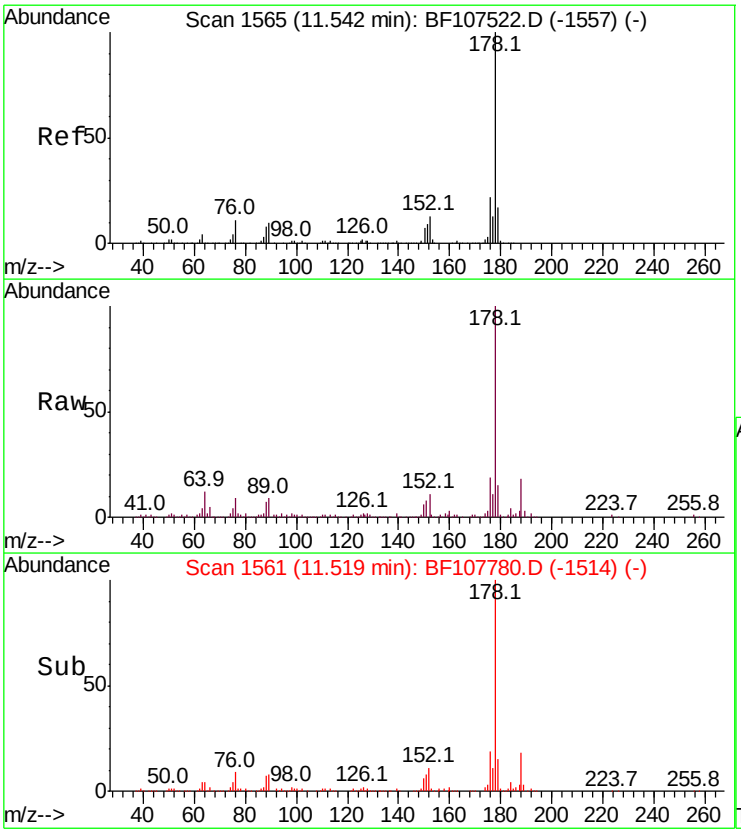
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:188 Resp: 402297

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.4	9.2	13.8

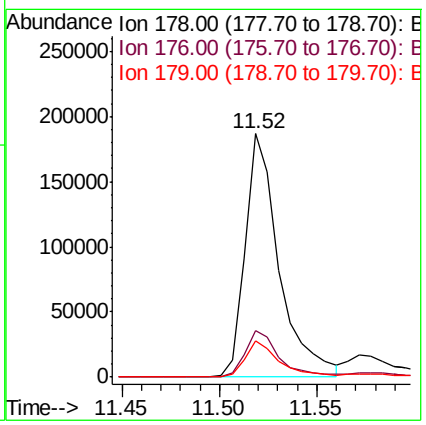


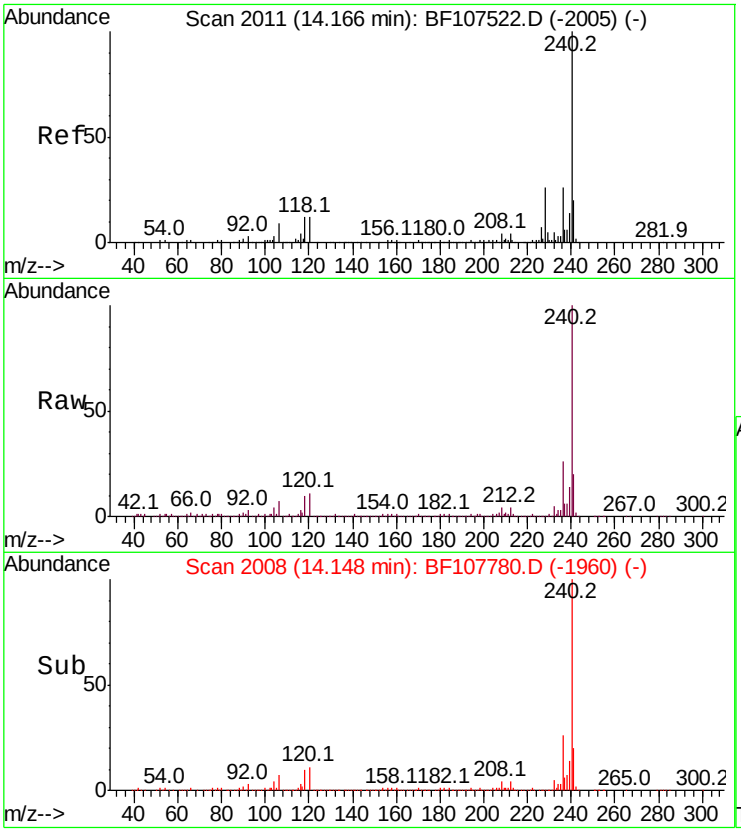


#70
Phenanthrene
Concen: 11.541 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:178 Resp: 226251

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.1	13.0	19.6



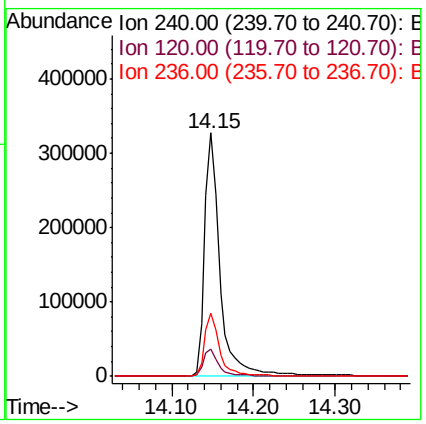


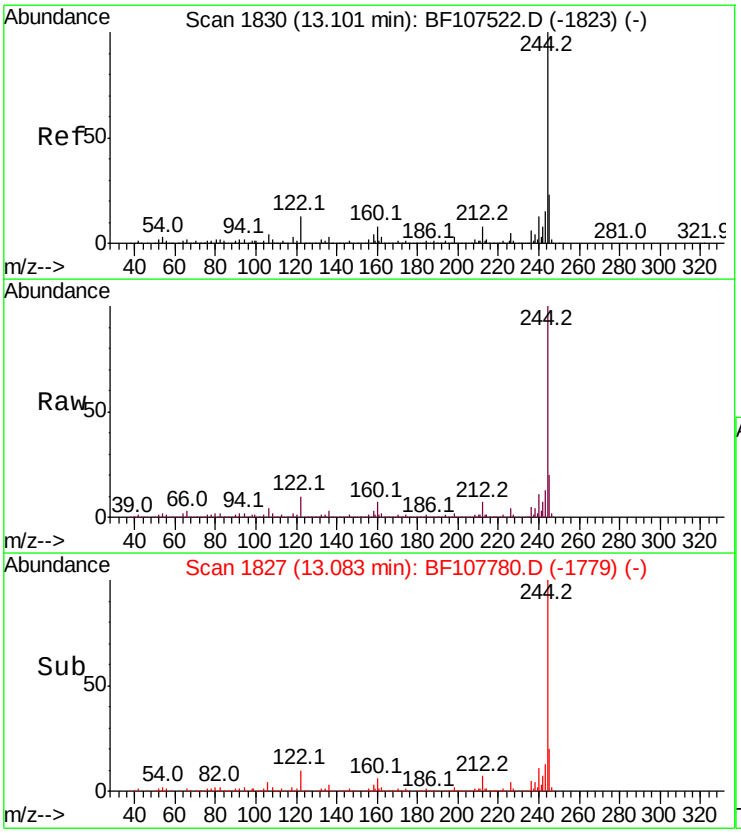
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:240 Resp: 429169

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	25.9	20.7	31.1

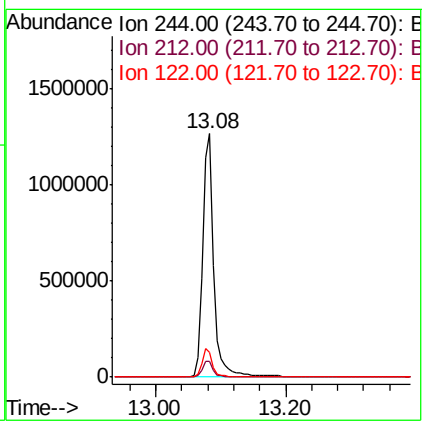


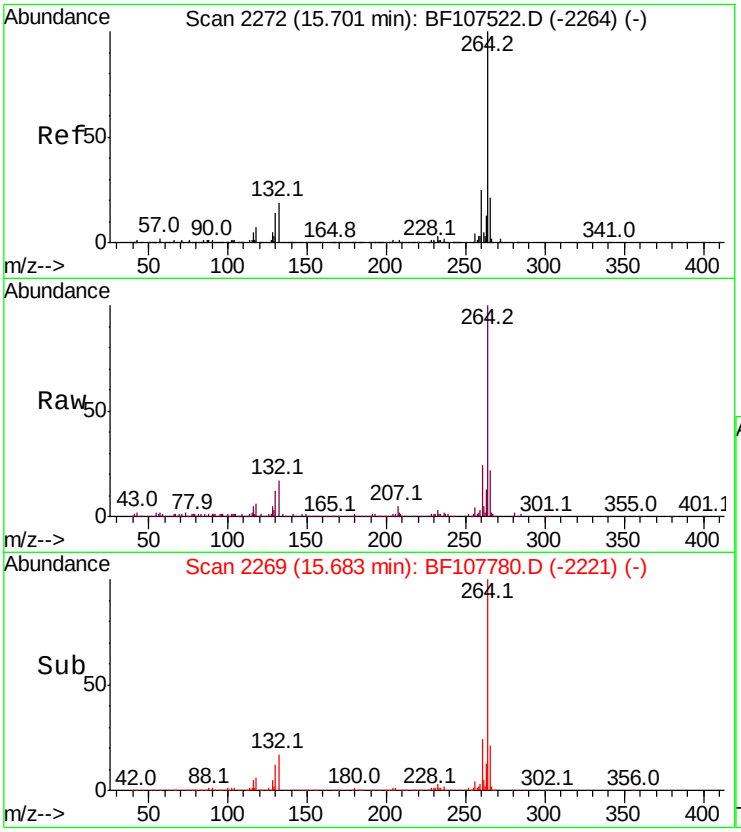


#78
Terphenyl-d14
Concen: 88.234 ng
RT: 13.08 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:244 Resp: 1479144

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.3	11.0	16.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:264 Resp: 337639

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.5	26.3