Quantitation Report (QT/LSC Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF102005.D
Acq On : 11 Jan 2018 3:03
Operator : SJ/JU
Sample : J1076-20 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-50-02

Manual Integrations APPROVED
Sohil
1/11/2018 10:53:43 AM

Quant Time: Jan 11 05:26:04 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 15:20:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	201166	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	793460	20.00	ng		0.00
38) Acenaphthene-d10	9.76	164	321968	20.00	ng		0.00
63) Phenanthrene-d10	11.24	188	467340	20.00	ng		0.00
75) Chrysene-d12	13.87	240	323945	20.00	ng		0.00
86) Perylene-d12	15.29	264	383093	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	4563	0.32	ng		0.00
7) Phenol-d6	6.35	99	5639	0.33	ng		0.00
23) Nitrobenzene-d5	7.28	82	2849	0.21	ng		-0.01
41) 2,4,6-Tribromophenol	10.54	330	659	0.23	ng		-0.01
44) 2-Fluorobiphenyl	9.08	172	6596	0.32	ng		-0.01
78) Terphenyl-d14	12.82	244	4299	0.28	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.03	128	1910023	48.175	ng		99
37) 2-Methylnaphthalene	8.72	142	226690	8.685	ng		97
48) Acenaphthylene	9.62	152	189214	5.403	ng		99
54) Dibenzofuran	9.96	168	106026	3.634	ng		98
57) Fluorene	10.30	166	147346	7.306	ng		97
70) Phenanthrene	11.27	178	604773	22.154	ng		98
71) Anthracene	11.32	178	174270	6.294	ng		99
74) Fluoranthene	12.45	202	398461	14.836	ng		98
77) Pyrene	12.68	202	373408	13.040	ng		99
80) Benzo(a)anthracene	13.86	228	171441m	8.295	ng		
82) Chrysene	13.90	228	139032	6.451	ng		96
85) Indeno(1,2,3-cd)pyrene	16.66	276	89479	5.704	ng		99
87) Benzo(b)fluoranthene	14.89	252	191486m	7.666	ng		
88) Benzo(k)fluoranthene	14.91	252	55652m	2.310	ng		
89) Benzo(a)pyrene	15.23	252	165012	7.341	ng	#	94
91) Benzo(g,h,i)perylene	17.07	276	87857	4.862	ng	#	92

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

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Manual Integrations APPROVED
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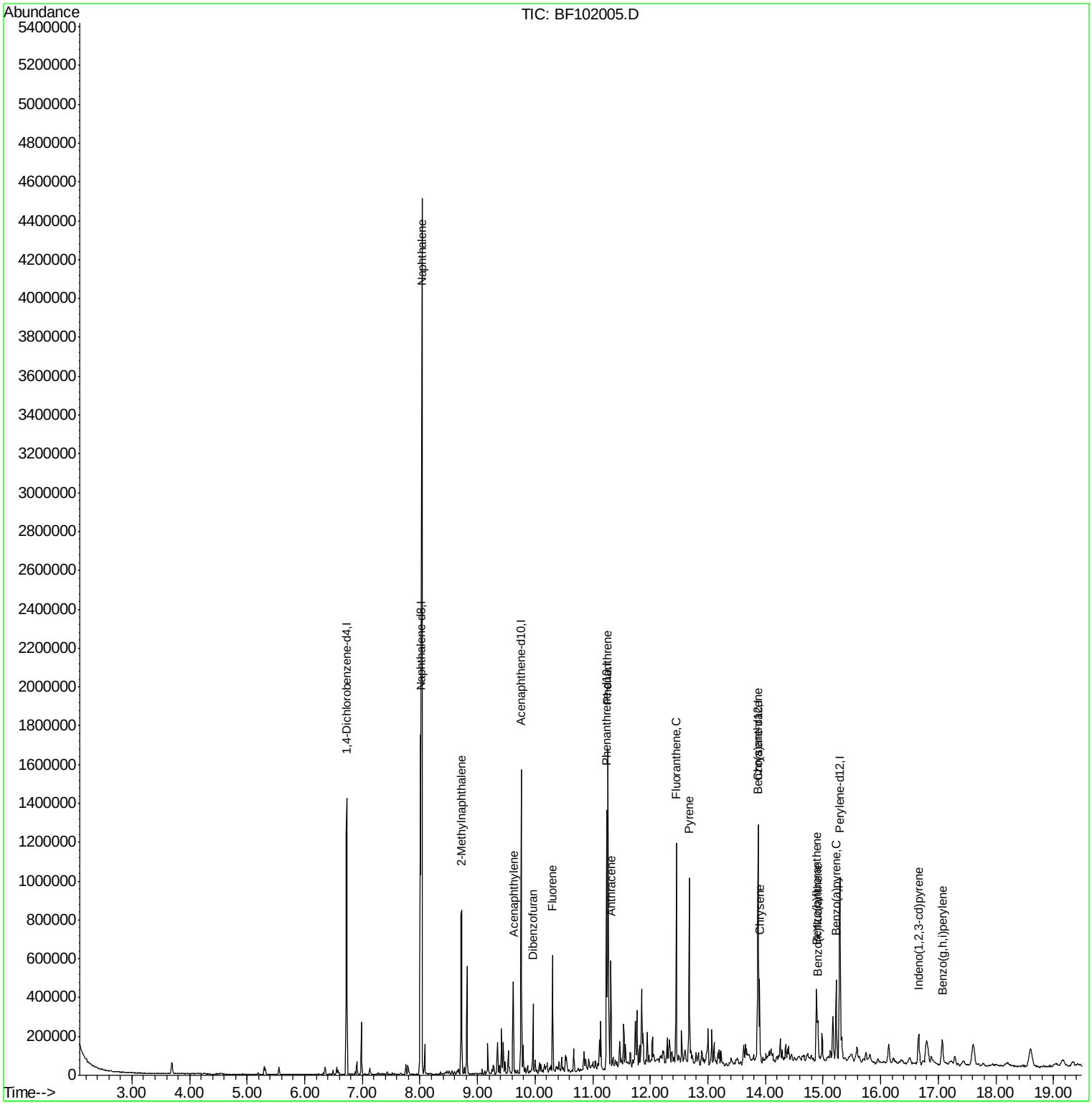
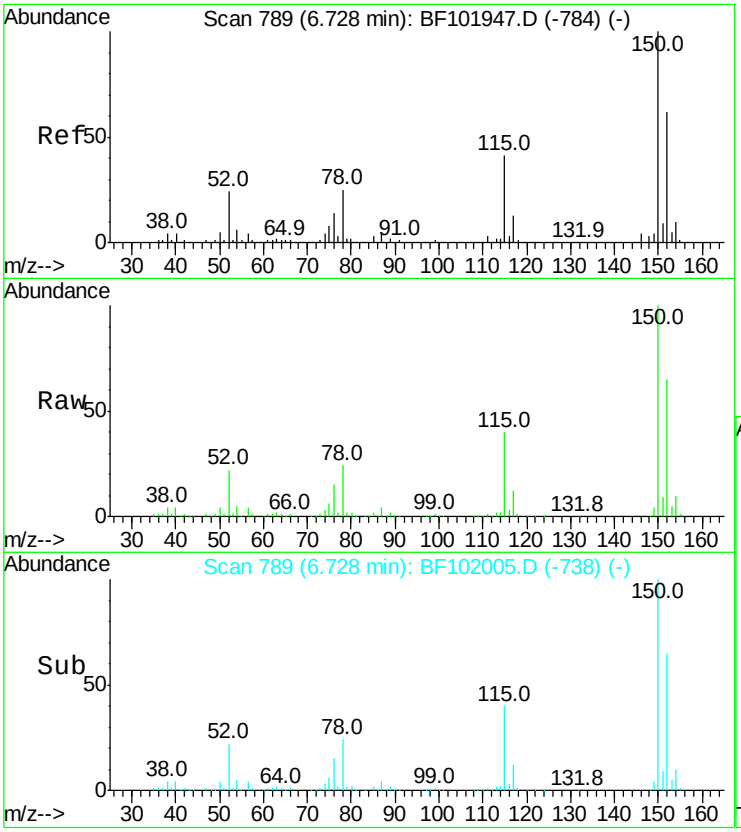
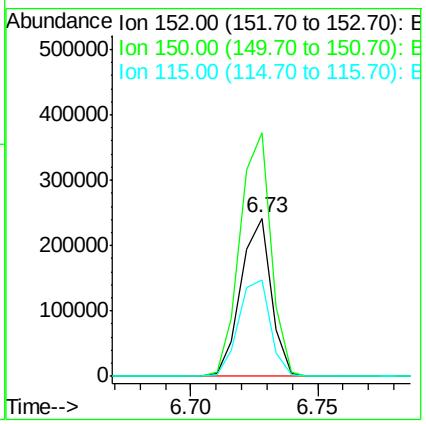




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:152 Resp: 201166

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	61.3	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
WC-50-02

Manual Integrations APPROVED
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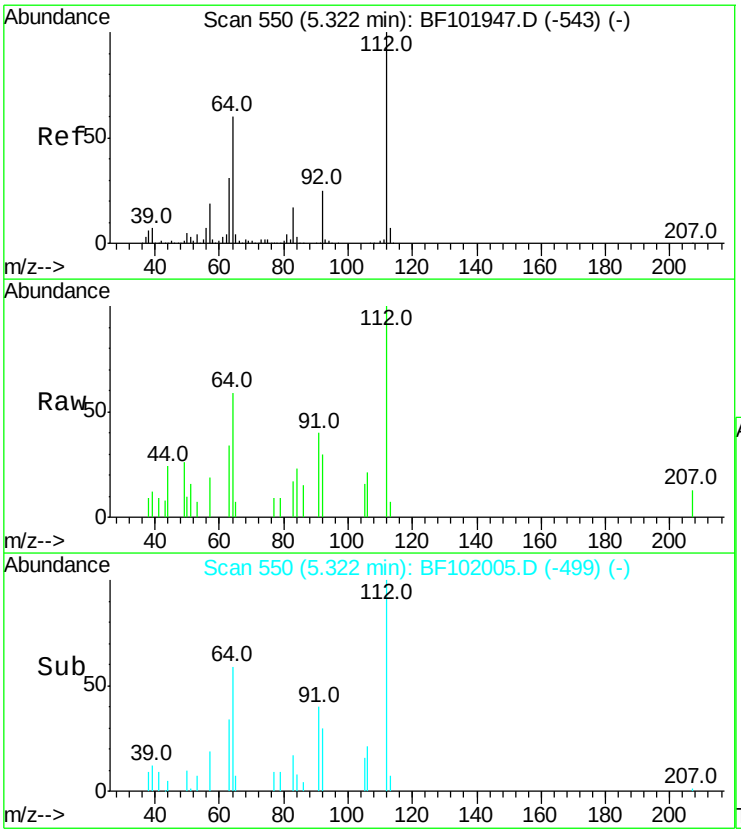
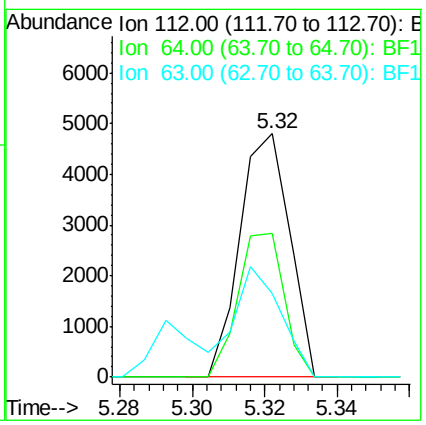
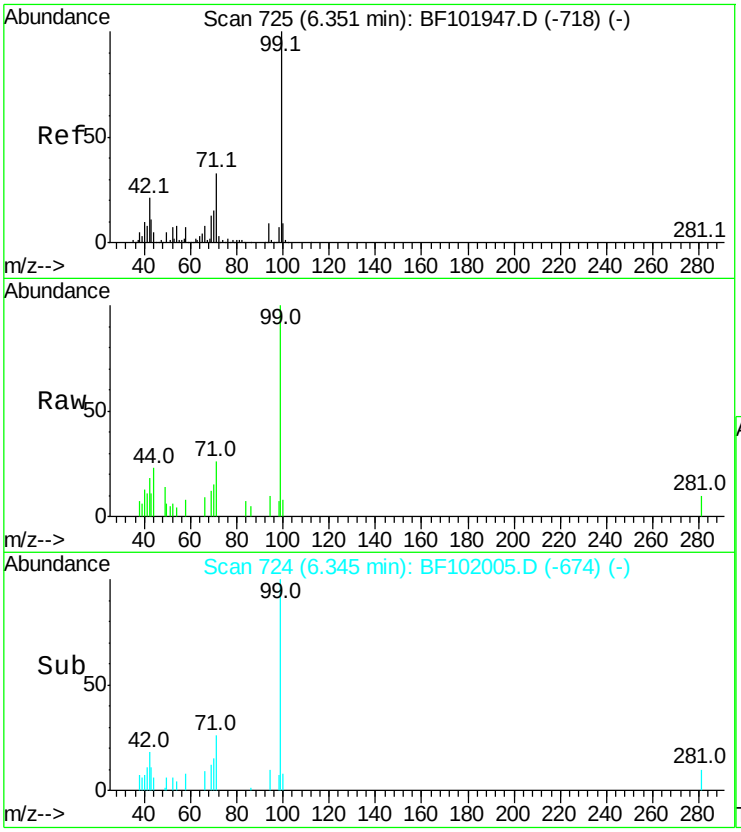


#5
2-Fluorophenol
Concen: 0.320 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:112 Resp: 4563

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.9	71.9
63	34.2	23.7	35.5

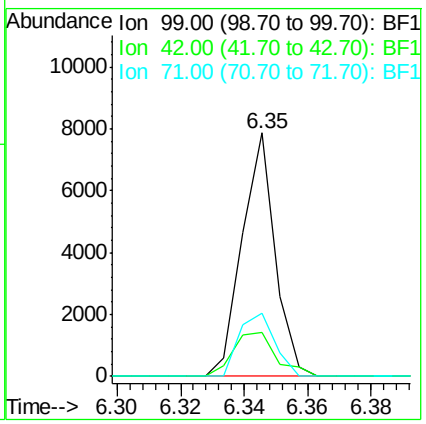




#7
Phenol-d6
Concen: 0.332 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion: 99 Resp: 5639

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.5	21.7
71	26.0	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
WC-50-02

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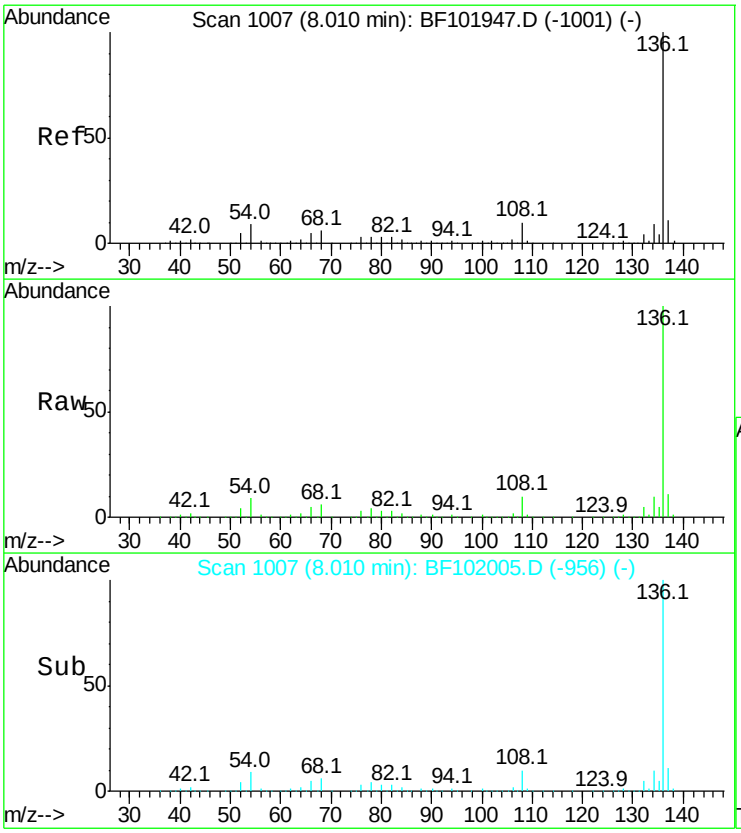
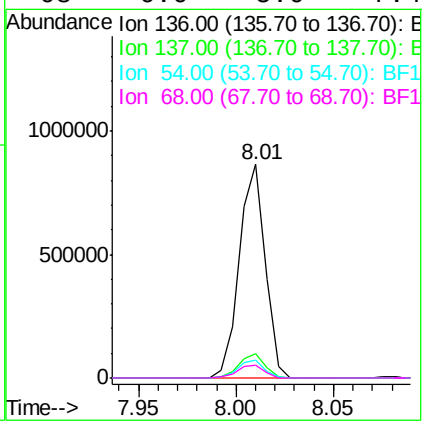
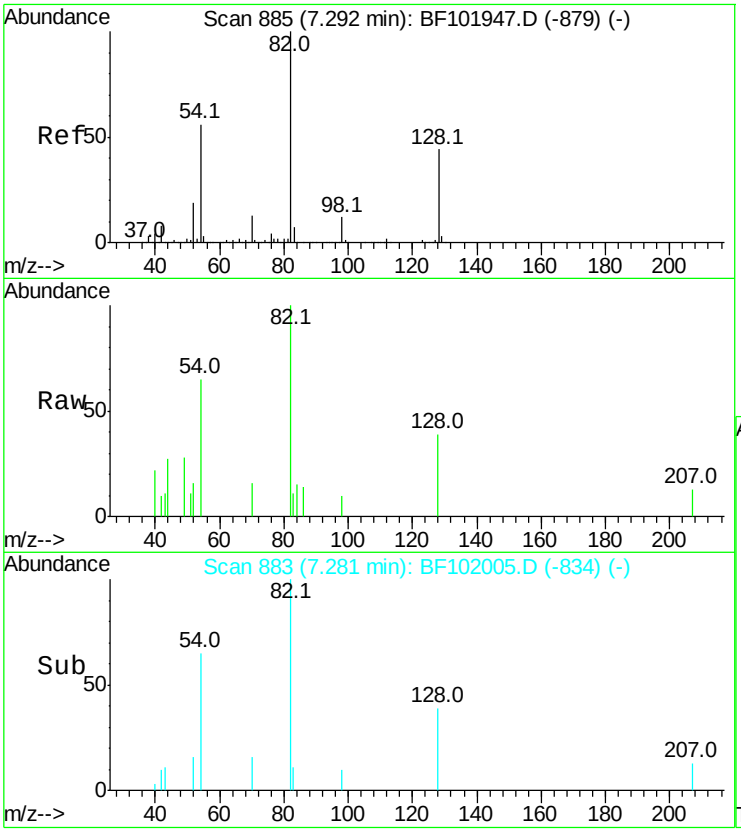


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:136 Resp: 793460

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.6	6.6	9.8
68	6.0	5.0	7.4

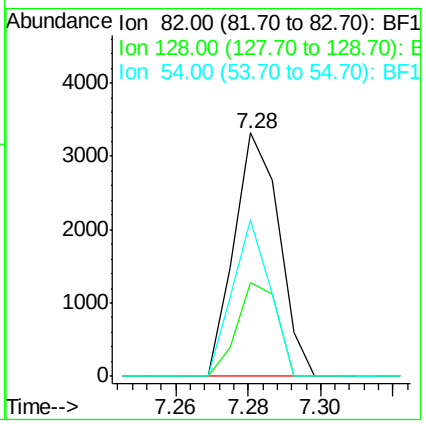




#23
Nitrobenzene-d5
Concen: 0.211 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion: 82 Resp: 2849

Ion	Ratio	Lower	Upper
82	100		
128	38.5	36.1	54.1
54	64.5	41.4	62.2#



Instrument :
BNA_F
ClientSampleId :
WC-50-02

Manual Integrations APPROVED
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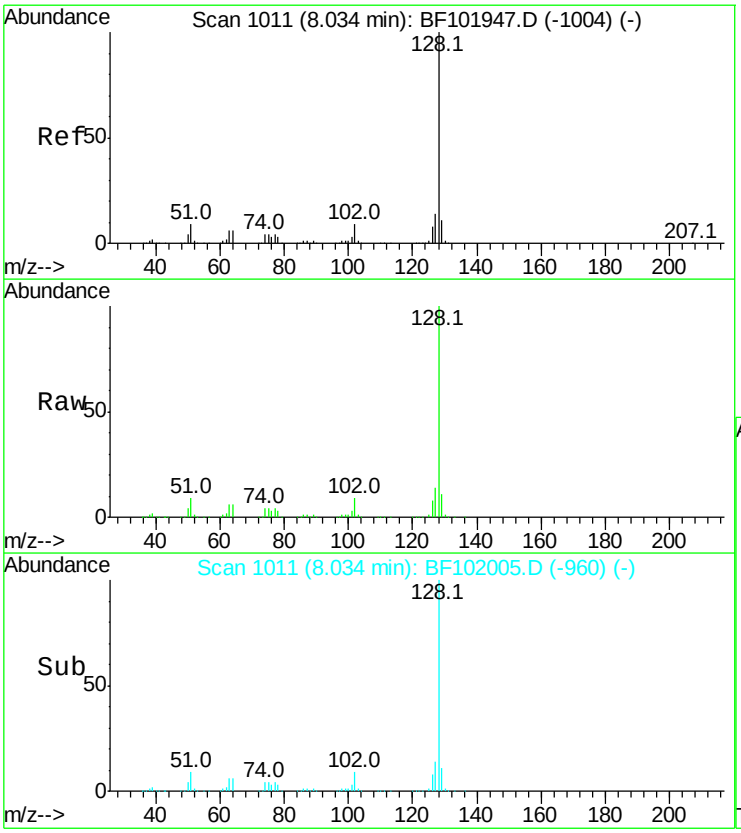
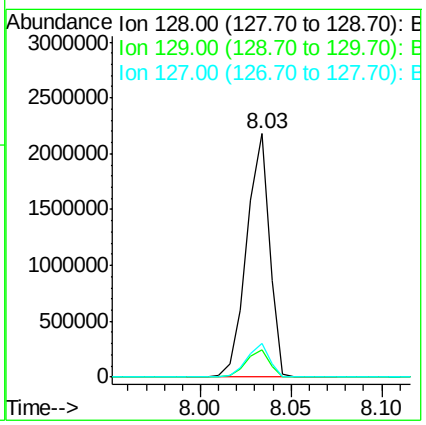
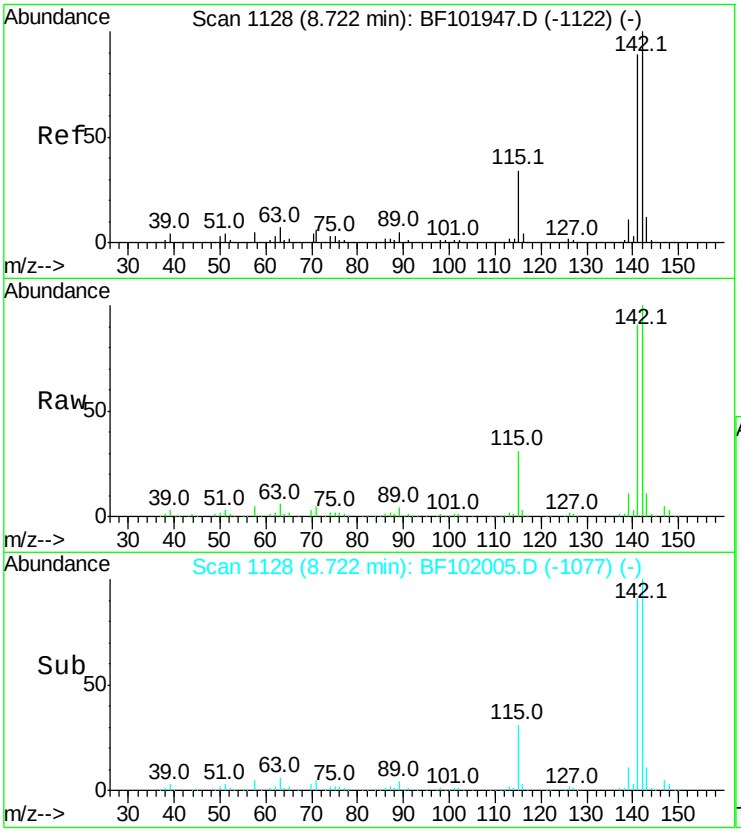


#31
Naphthalene
Concen: 48.175 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:128 Resp: 1910023

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.8	10.9	16.3

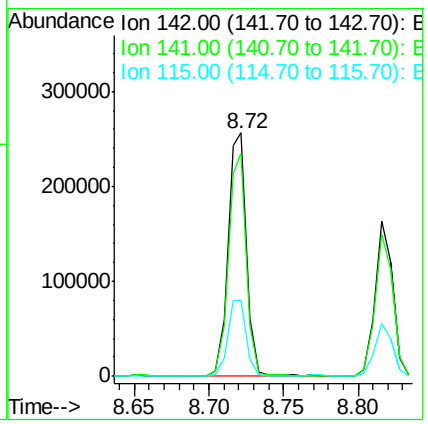




#37
2-Methylnaphthalene
Concen: 8.685 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:142 Resp: 226690

Ion	Ratio	Lower	Upper
142	100		
141	91.4	70.8	106.2
115	31.4	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
WC-50-02

Manual Integrations APPROVED
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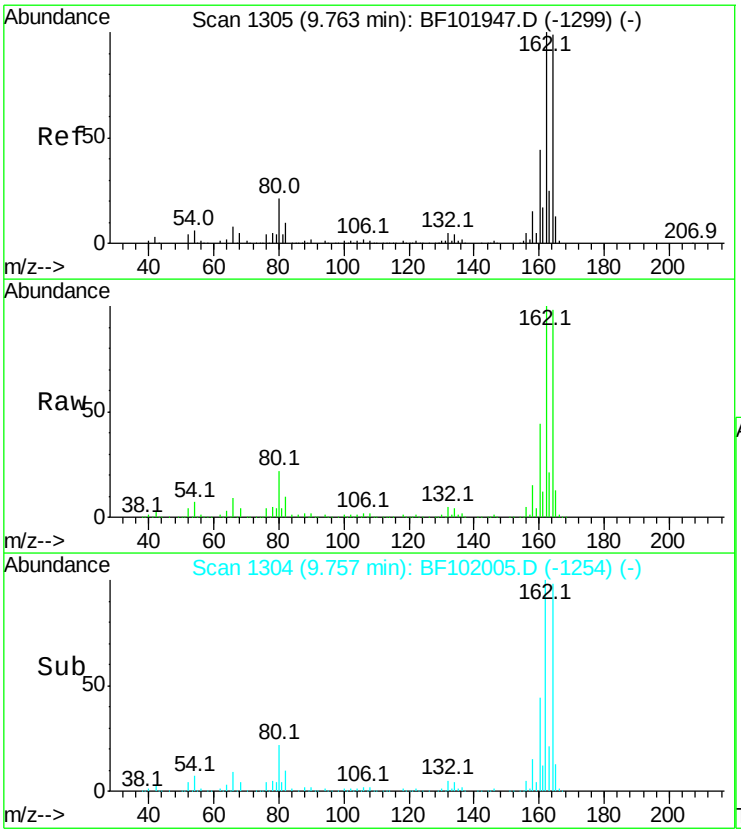
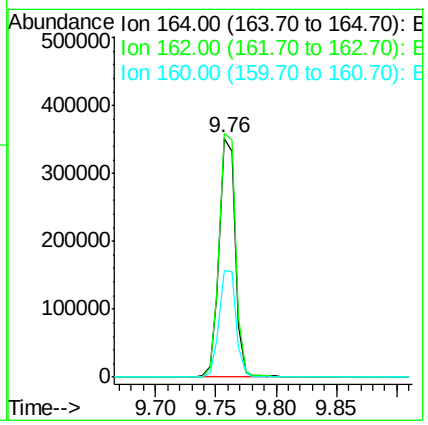
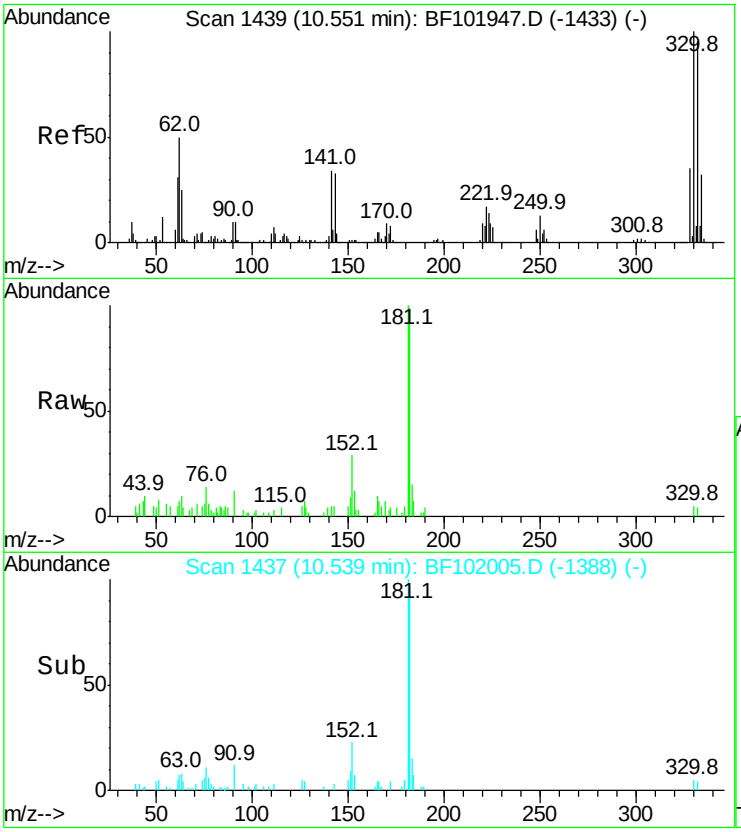


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:164 Resp: 321968

Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	44.7	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:330 Resp: 659

Ion	Ratio	Lower	Upper
330	100		
332	87.9	77.0	115.6
141	149.2	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
WC-50-02

Manual Integrations APPROVED
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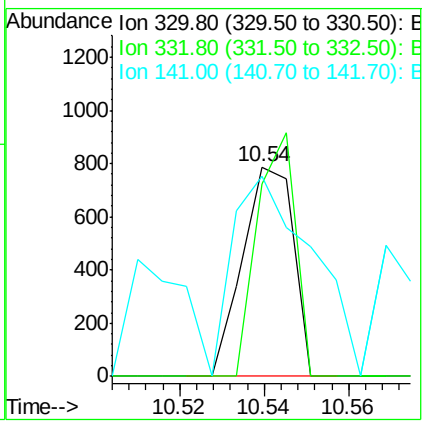
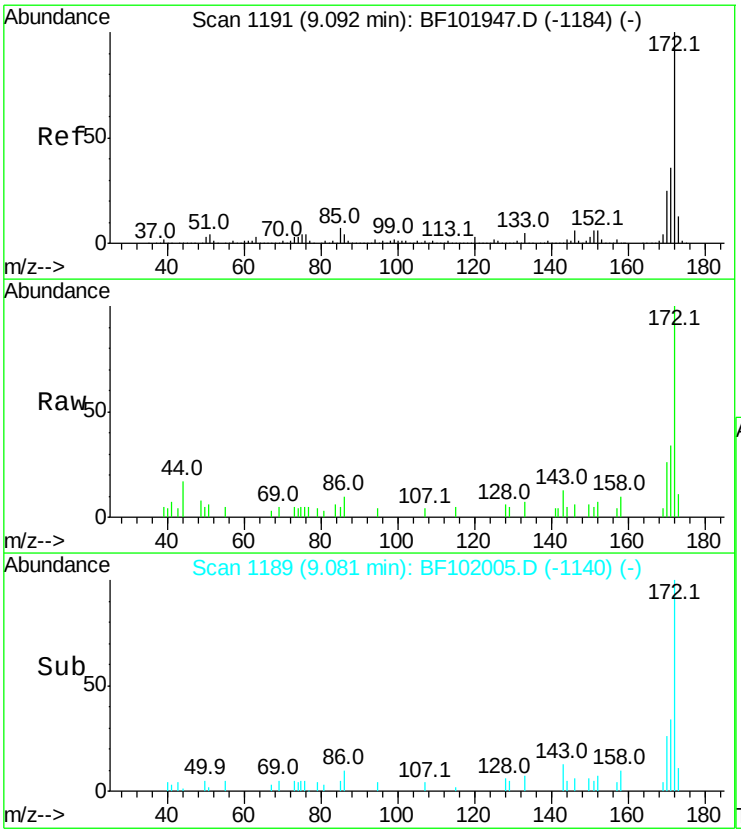
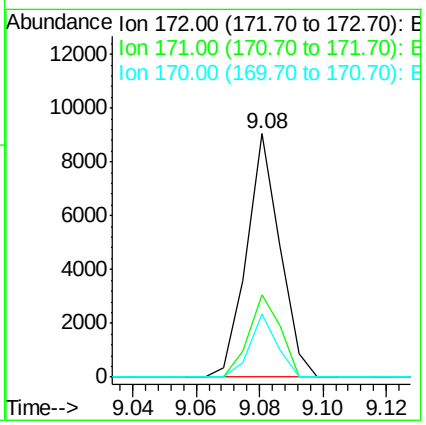


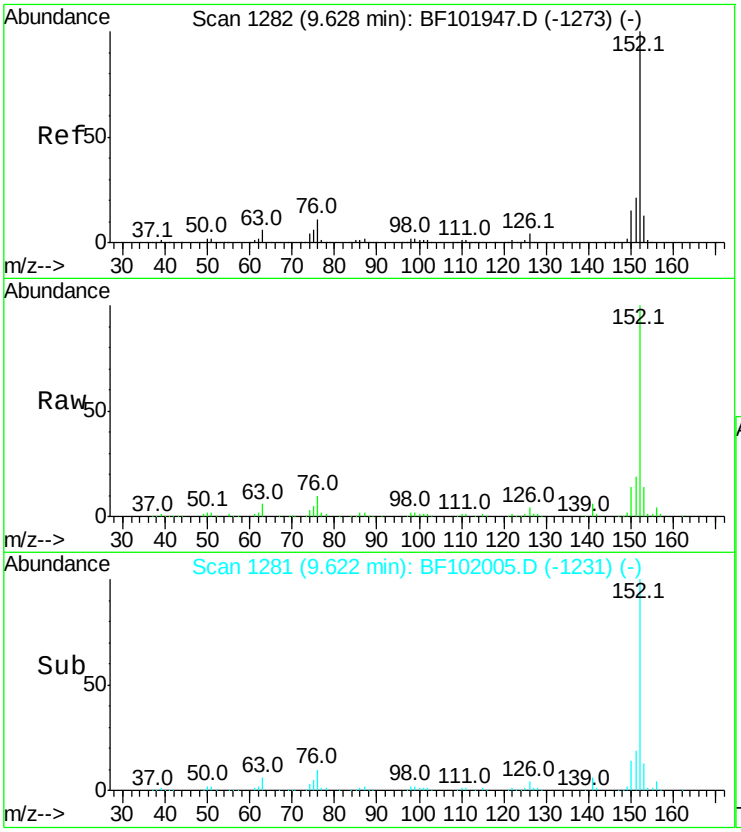


#44
2-Fluorobiphenyl
Concen: 0.320 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:172 Resp: 6596

Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.7	44.5
170	25.9	19.6	29.4

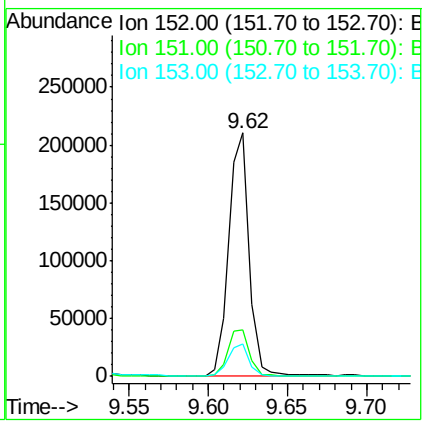




#48
Acenaphthylene
Concen: 5.403 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:152 Resp: 189214

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.3	24.5
153	13.5	10.7	16.1



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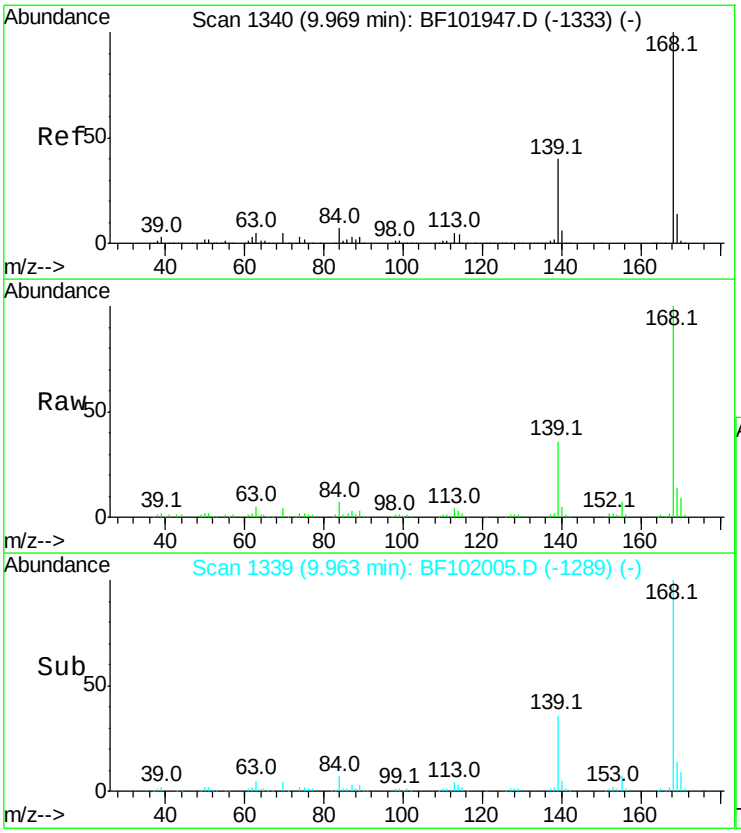
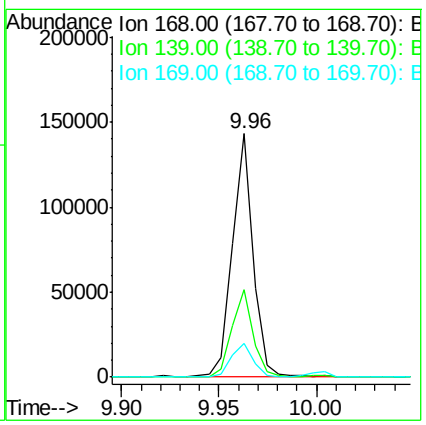
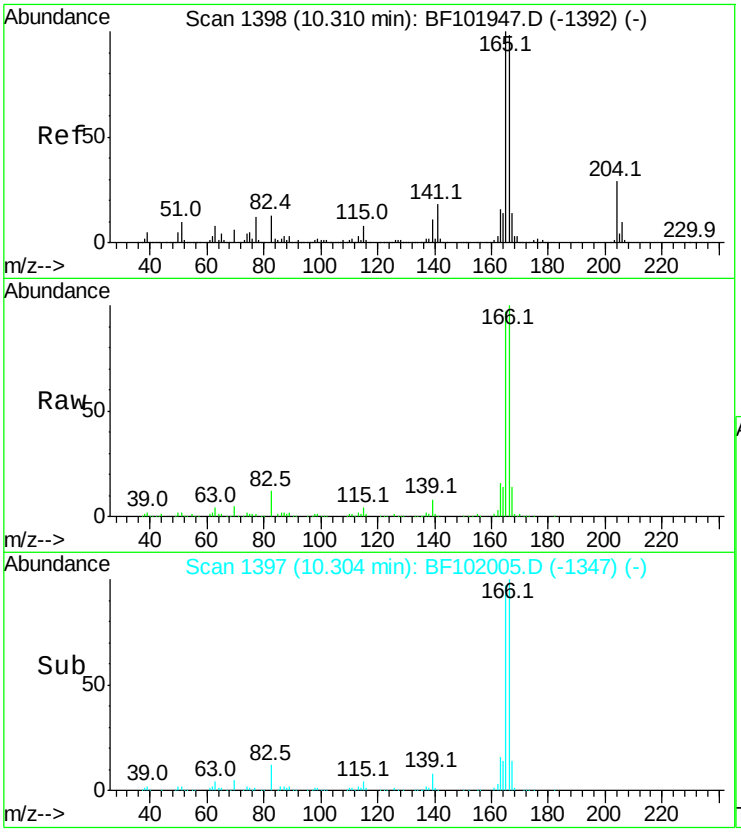


#54
Dibenzofuran
Concen: 3.634 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:168 Resp: 106026

Ion	Ratio	Lower	Upper
168	100		
139	36.1	30.1	45.1
169	13.9	10.9	16.3

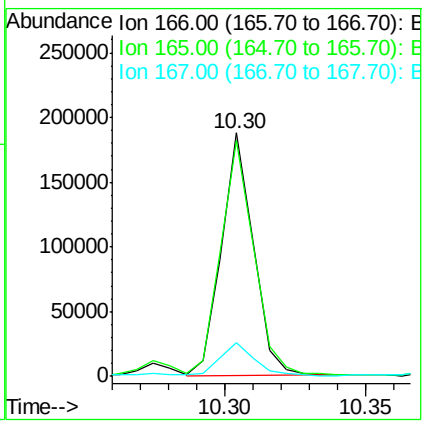




#57
Fluorene
Concen: 7.306 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:166 Resp: 147346

Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.8	119.8
167	13.9	10.6	16.0



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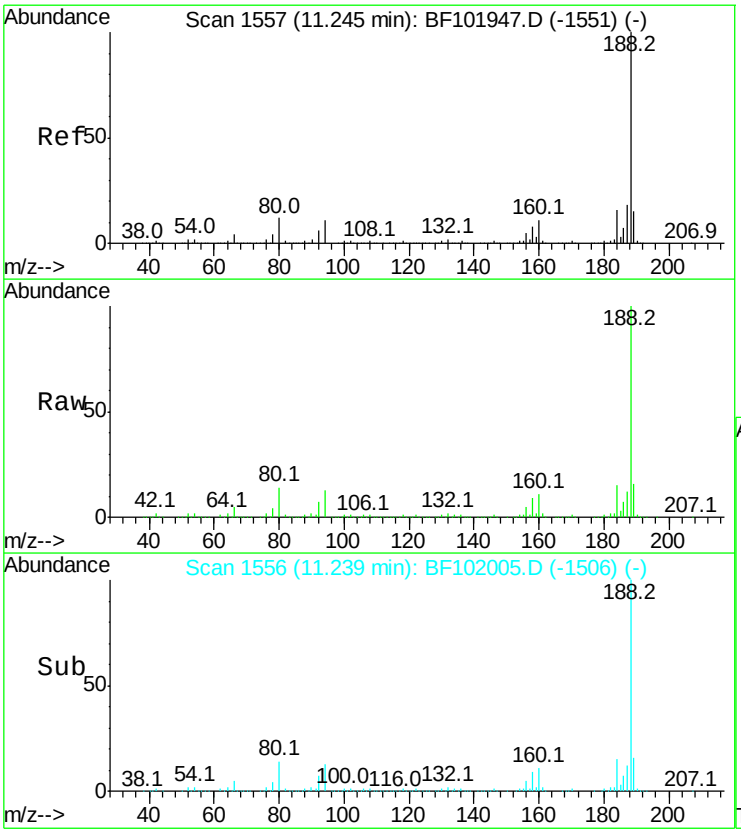
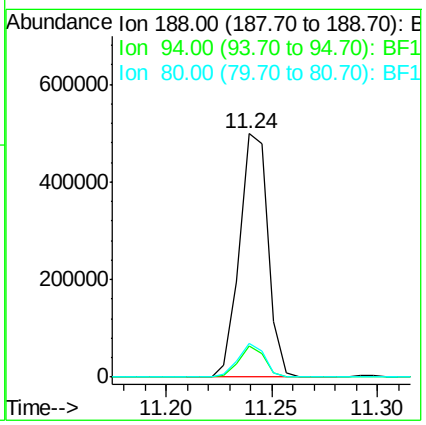
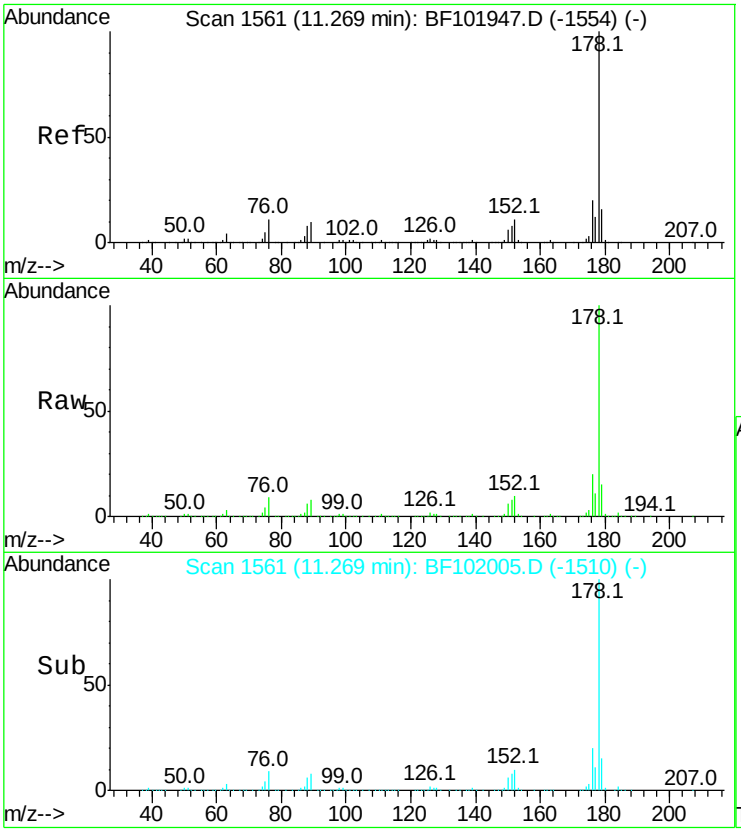


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:188 Resp: 467340

Ion	Ratio	Lower	Upper
188	100		
94	12.9	8.5	12.7#
80	13.7	9.2	13.8

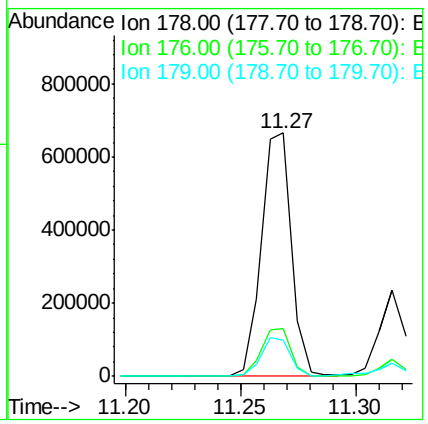




#70
Phenanthrene
Concen: 22.154 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

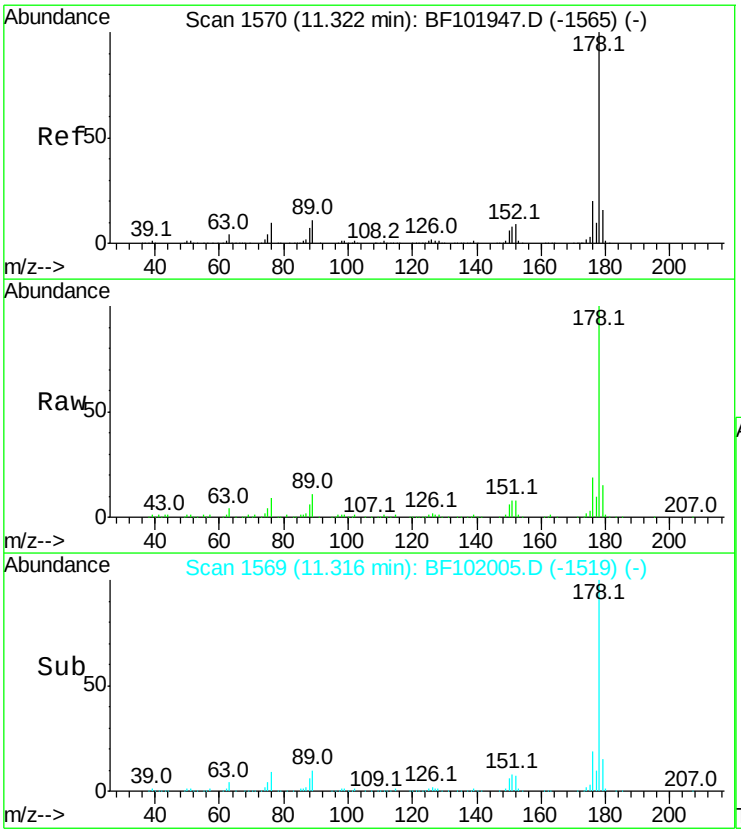
Tgt Ion:178 Resp: 604773

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	14.9	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
WC-50-02

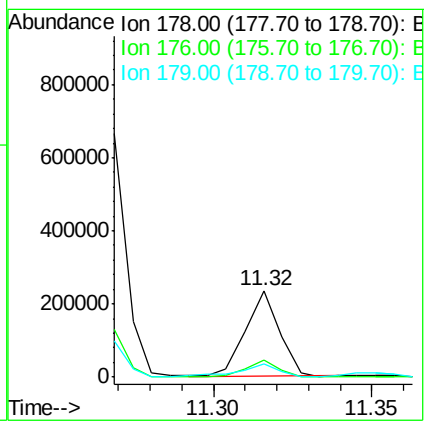
Manual Integrations APPROVED
Sohil
1/11/2018 10:53:43 AM

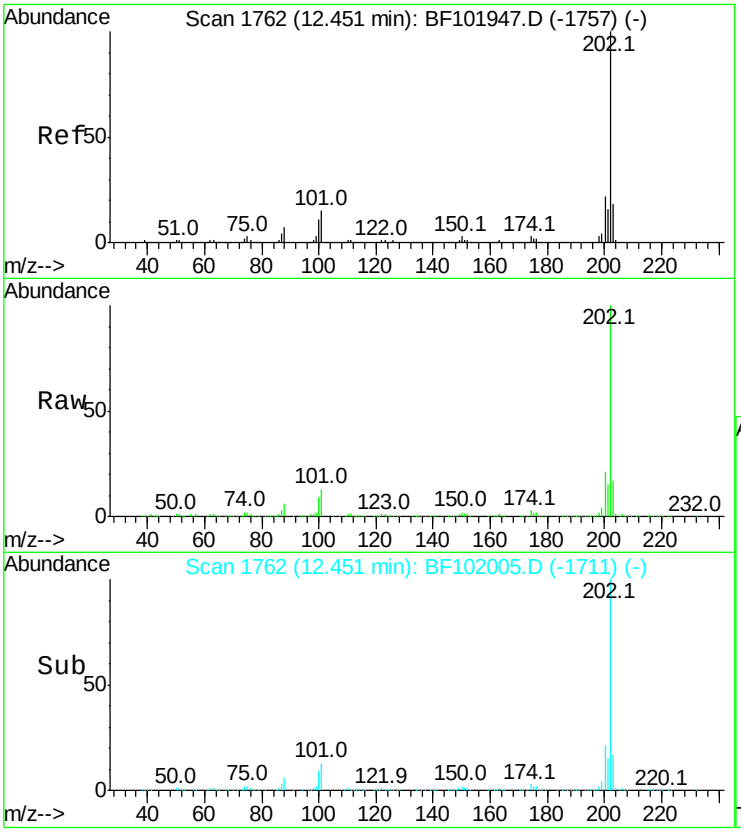


#71
Anthracene
Concen: 6.294 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:178 Resp: 174270

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.6	19.0

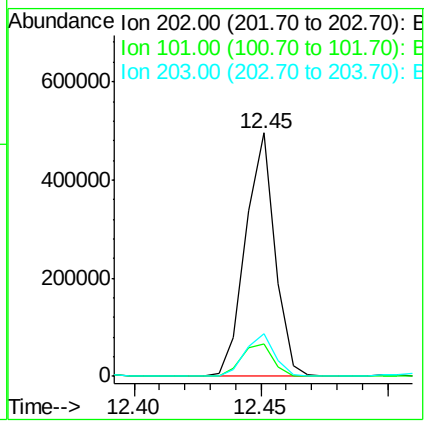




#74
Fluoranthene
Concen: 14.836 ng
RT: 12.45 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:202 Resp: 398461

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	17.4	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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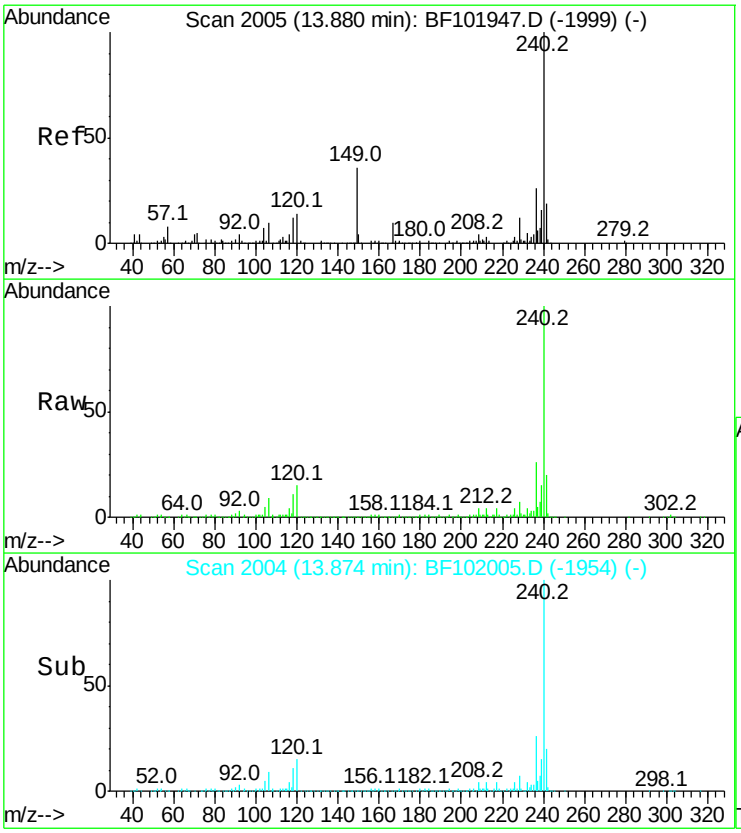
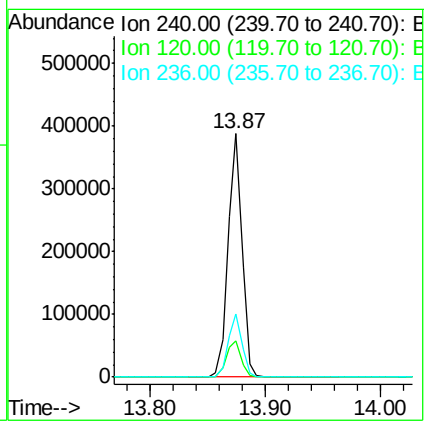
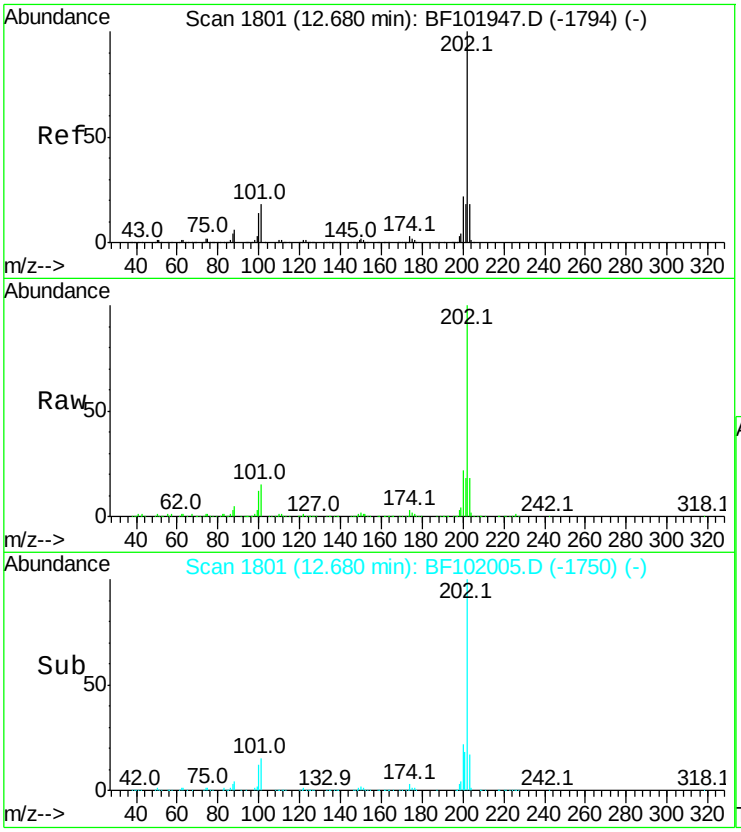


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:240 Resp: 323945

Ion	Ratio	Lower	Upper
240	100		
120	14.8	9.5	14.3#
236	26.0	20.7	31.1

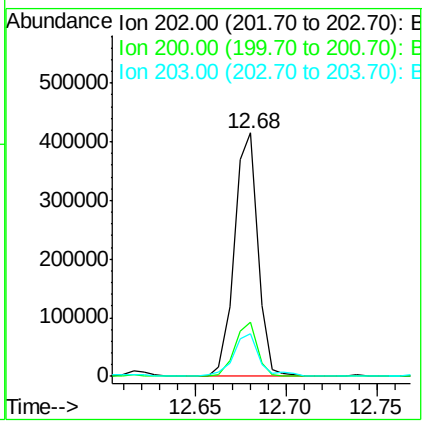




#77
Pyrene
Concen: 13.040 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:202 Resp: 373408

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	17.5	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
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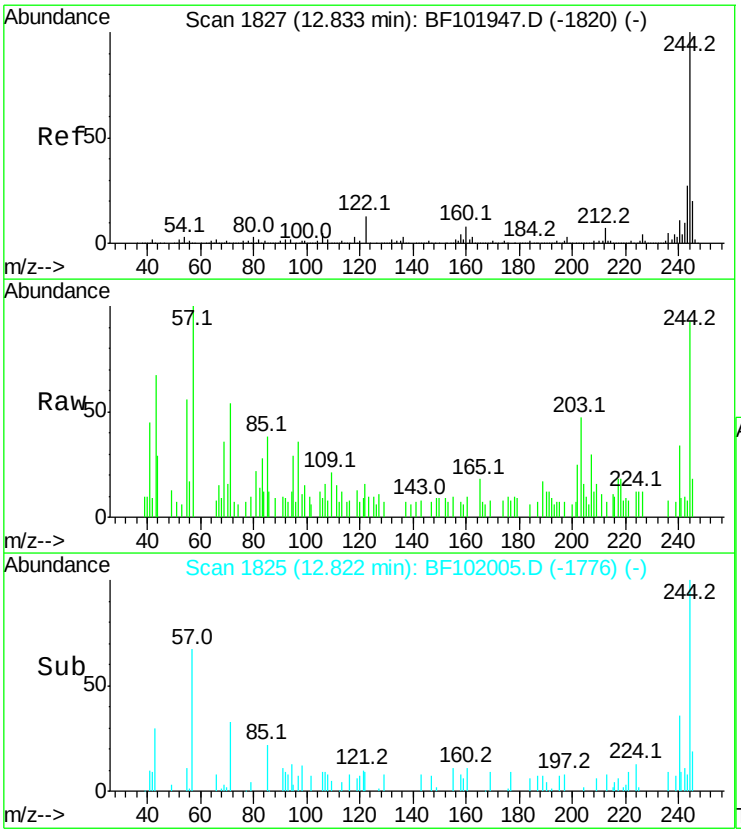
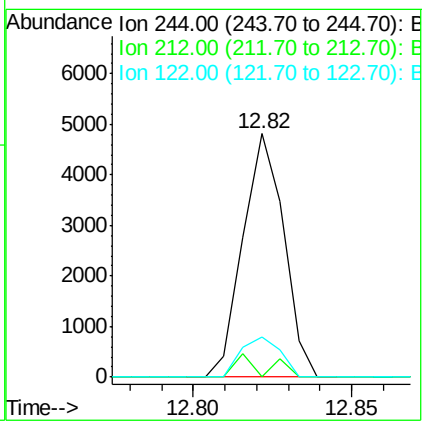
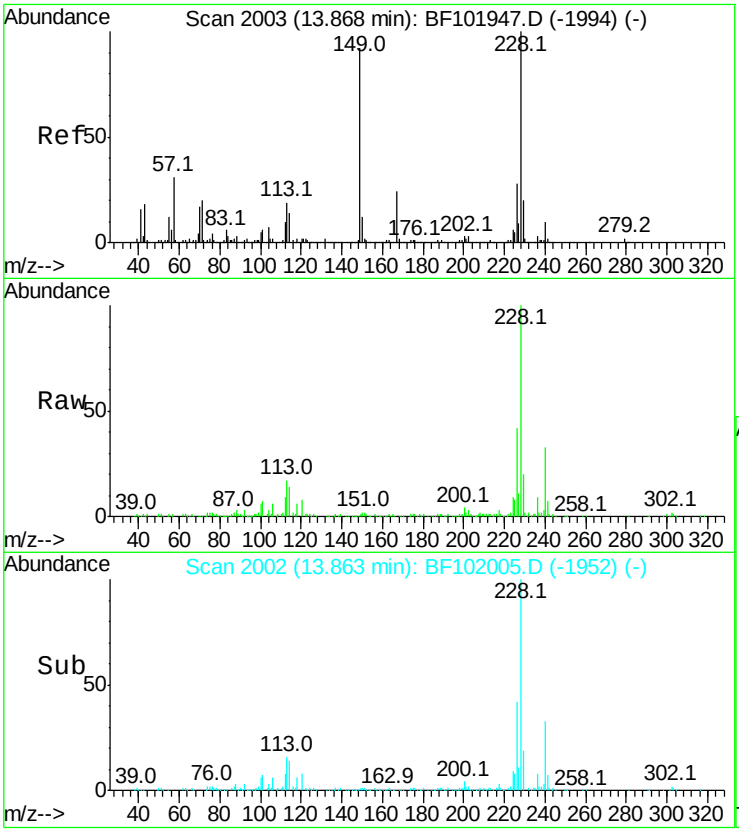


#78
Terphenyl-d14
Concen: 0.276 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:244 Resp: 4299

Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.4	8.0#
122	16.7	11.0	16.4#

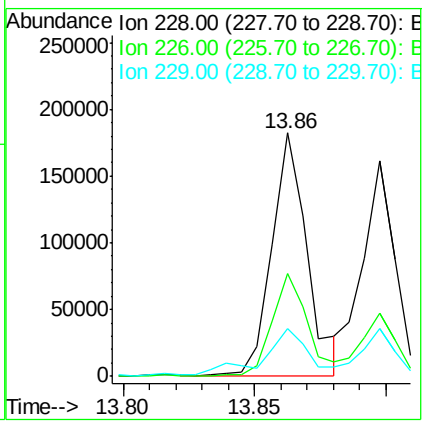




#80
Benzo(a)anthracene
Concen: 8.295 ng m
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:228 Resp: 171441

Ion	Ratio	Lower	Upper
228	100		
226	42.5	22.6	33.8#
229	19.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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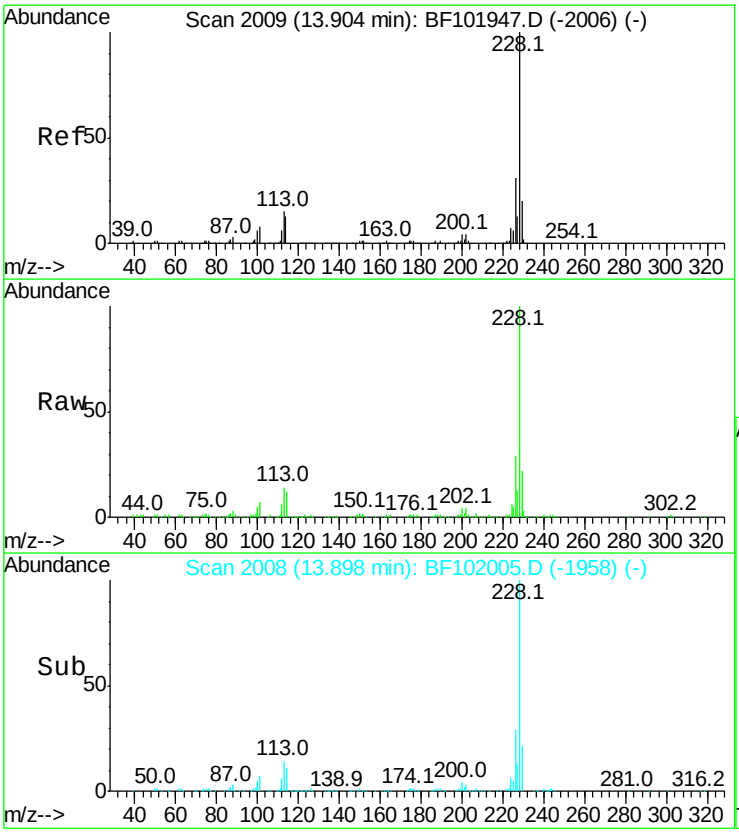
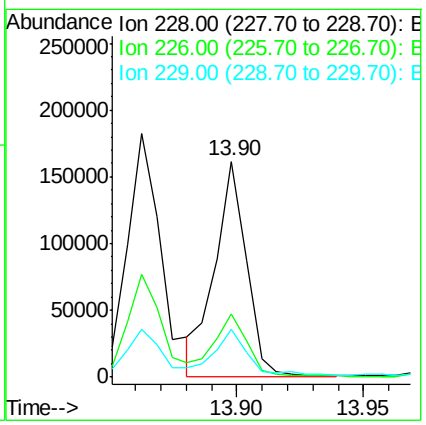
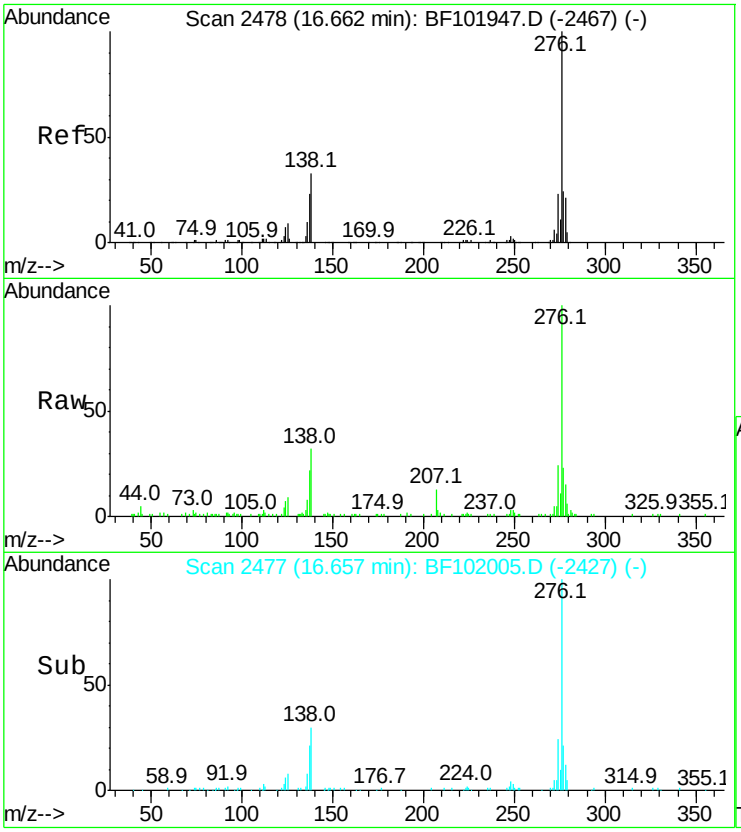


#82
Chrysene
Concen: 6.451 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:228 Resp: 139032

Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.9	16.2	24.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 5.704 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:276 Resp: 89479

Ion	Ratio	Lower	Upper
276	100		
138	31.7	25.0	37.6
277	24.3	20.1	30.1

Instrument :
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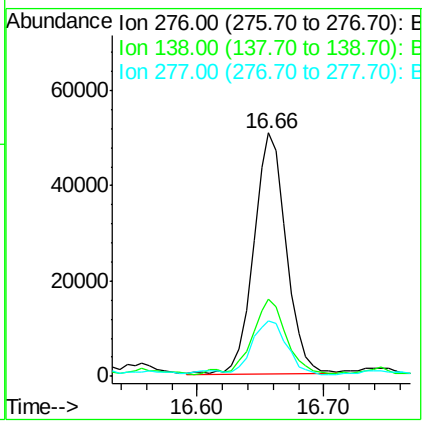
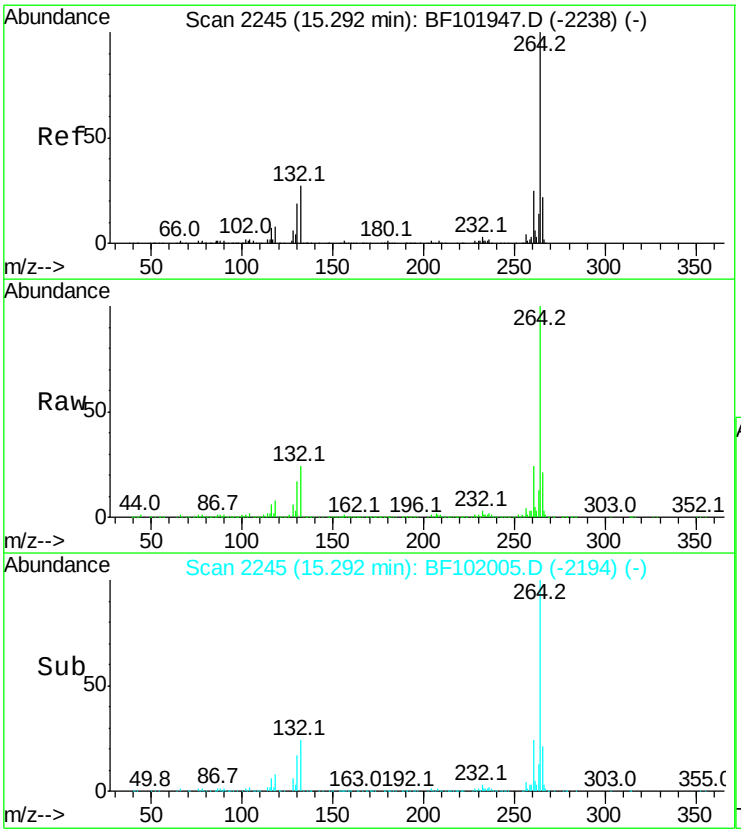
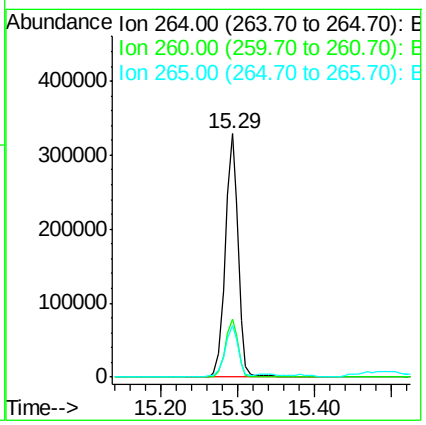


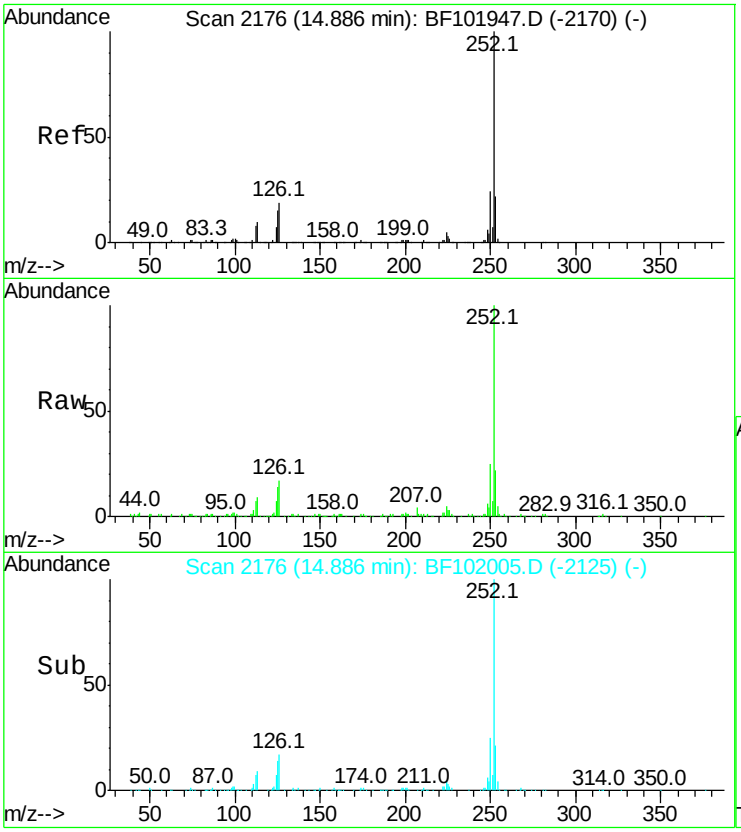


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:264 Resp: 383093

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.0	17.5	26.3

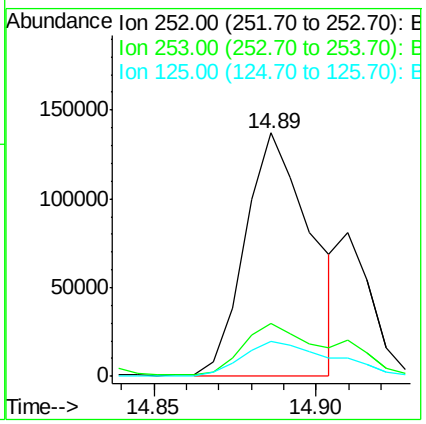




#87
Benzo(b)fluoranthene
Concen: 7.666 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:252 Resp: 191486

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	14.1	9.0	13.6#



Instrument :
BNA_F
ClientSampleId :
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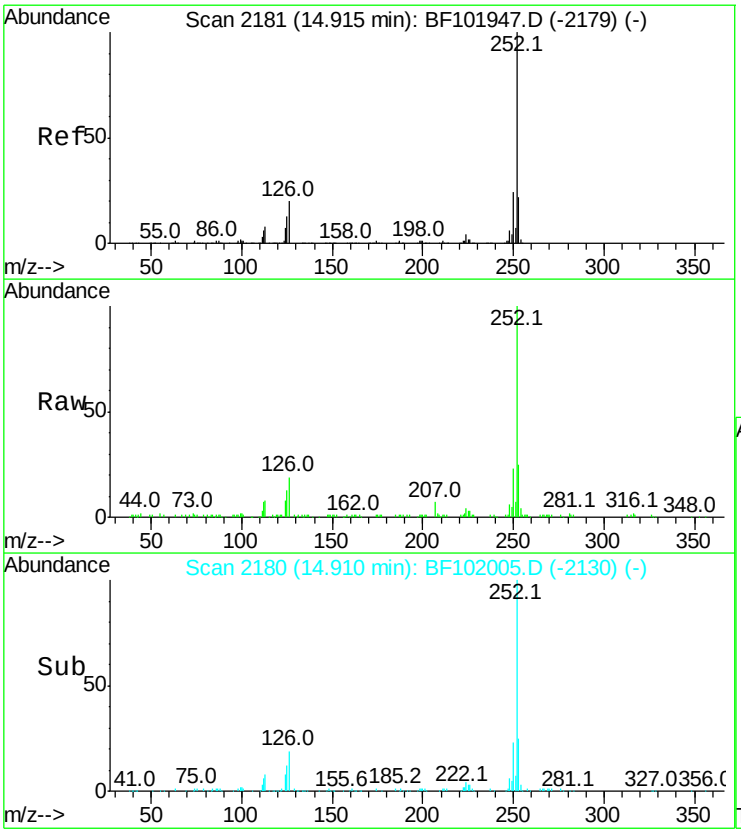
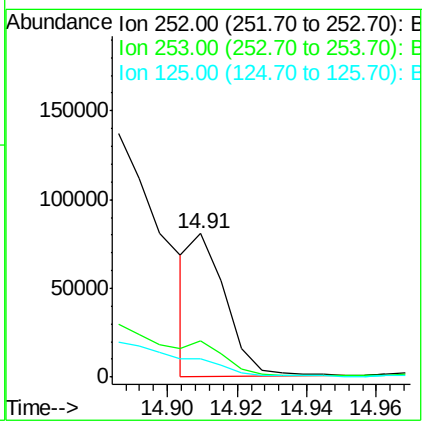
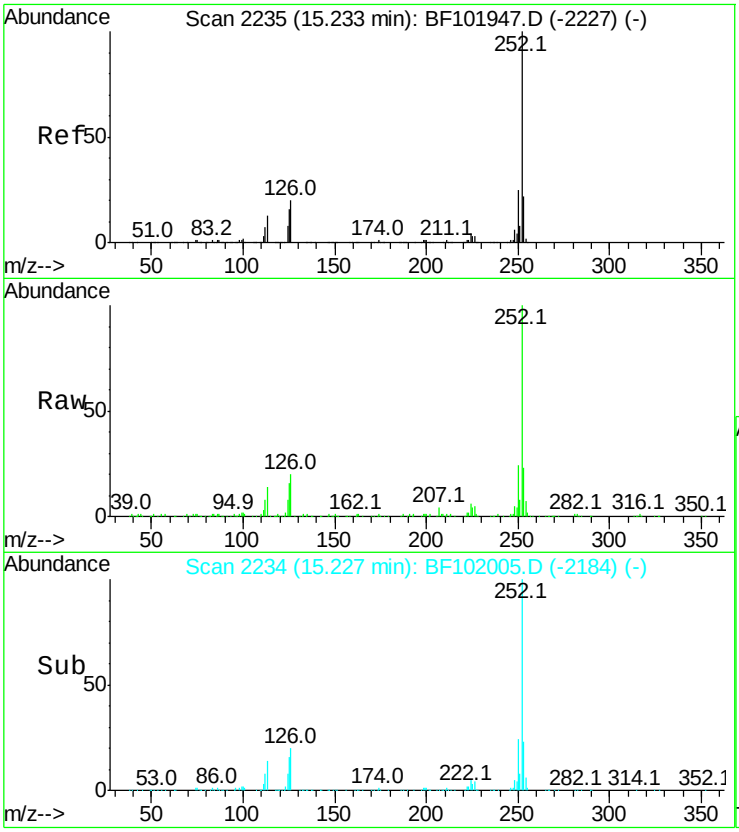


#88
Benzo(k)fluoranthene
Concen: 2.310 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:252 Resp: 55652

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	12.8	10.2	15.2





#89
Benzo(a)pyrene
Concen: 7.341 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:252 Resp: 165012

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	16.3	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
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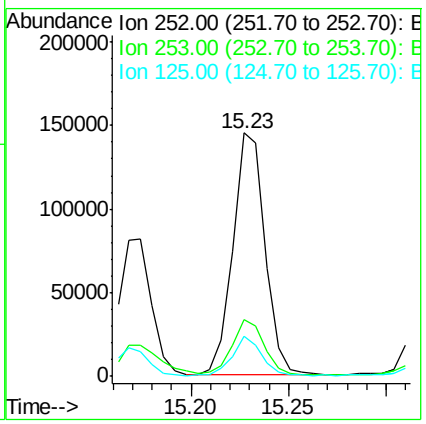

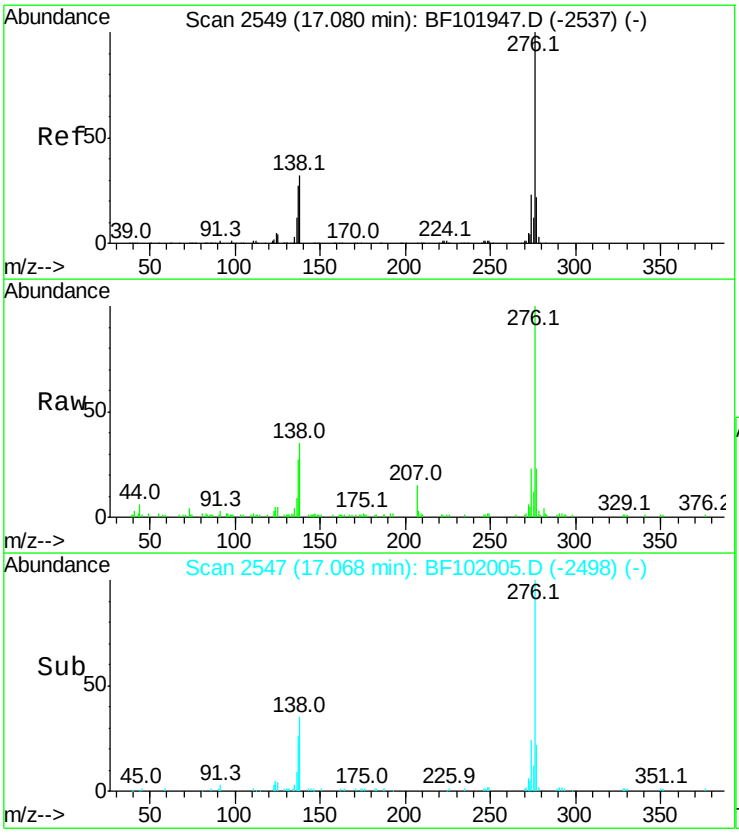

#91
Benzo(g,h,i)perylene
Concen: 4.862 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF102005.D
Acq: 11 Jan 2018 3:03

Tgt Ion:276 Resp: 87857

Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	34.8	21.8	32.8#