Quantitation Report (LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Manual Integrations APPROVED
Sohil
1/15/2018 4:22:18 PM

Quant Time: Jan 12 23:06:47 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 11 12:53:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	215043	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	830362	20.00	ng		0.00
38) Acenaphthene-d10	9.76	164	324098	20.00	ng		0.00
63) Phenanthrene-d10	11.25	188	468924	20.00	ng		0.00
75) Chrysene-d12	13.88	240	363329	20.00	ng		0.00
86) Perylene-d12	15.30	264	305339	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	329330	21.63	ng		0.00
7) Phenol-d6	6.35	99	374590	20.62	ng		-0.01
23) Nitrobenzene-d5	7.29	82	221534	15.68	ng		-0.01
41) 2,4,6-Tribromophenol	10.55	330	56859	20.10	ng		0.00
44) 2-Fluorobiphenyl	9.09	172	399309	19.25	ng		0.00
78) Terphenyl-d14	12.83	244	261893	14.97	ng		0.00
Target Compounds							Qvalue
51) Acenaphthene	9.79	154	56562	2.643	ng		100
57) Fluorene	10.30	166	77877	3.836	ng		99
70) Phenanthrene	11.27	178	526899	19.236	ng		98
71) Anthracene	11.32	178	148768	5.355	ng		99
72) Carbazole	11.47	167	85304	3.124	ng		97
74) Fluoranthene	12.46	202	642356	23.836	ng		97
77) Pyrene	12.68	202	542832	16.902	ng		100
80) Benzo(a)anthracene	13.87	228	244114m	10.531	ng		
82) Chrysene	13.90	228	259837m	10.750	ng		
85) Indeno(1,2,3-cd)pyrene	16.68	276	115544	6.568	ng		96
87) Benzo(b)fluoranthene	14.89	252	293250m	14.729	ng		
88) Benzo(k)fluoranthene	14.92	252	115447m	6.011	ng		
89) Benzo(a)pyrene	15.24	252	204642	11.423	ng	#	94
91) Benzo(g,h,i)perylene	17.09	276	109701	7.617	ng		93

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

Quantitation Report (LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 12 23:06:47 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 11 12:53:54 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Manual Integrations APPROVED
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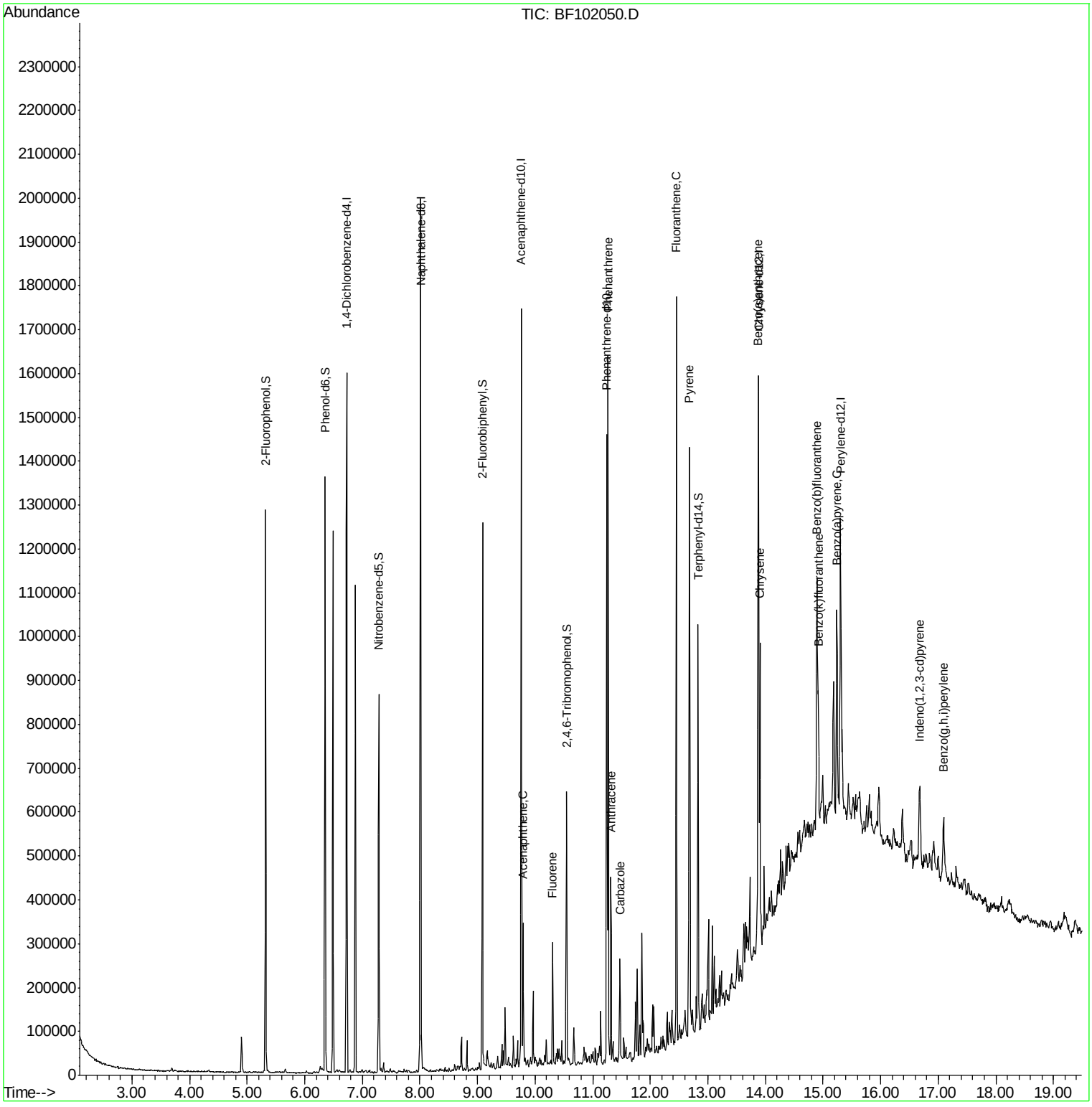
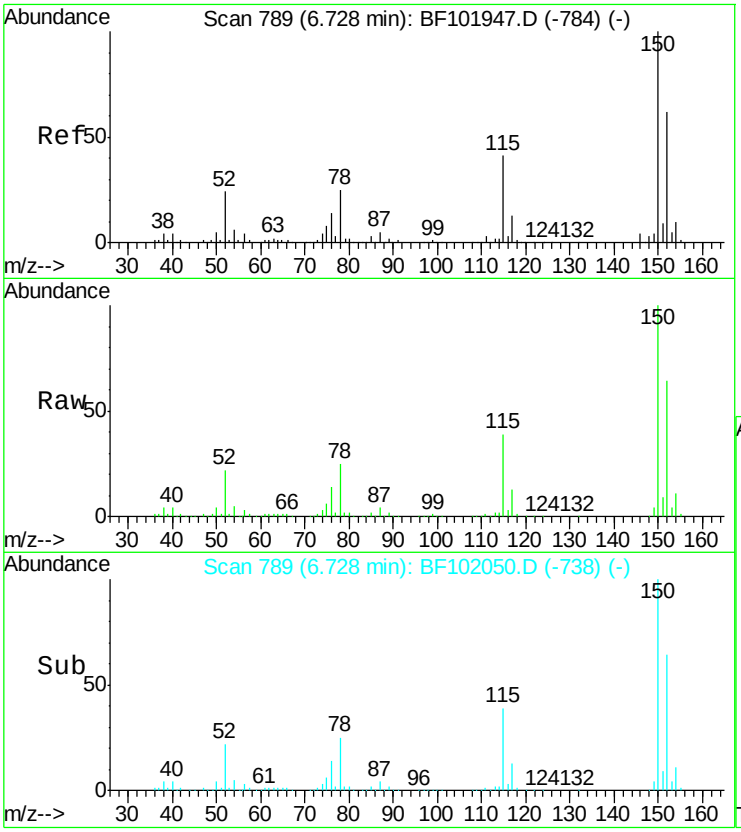
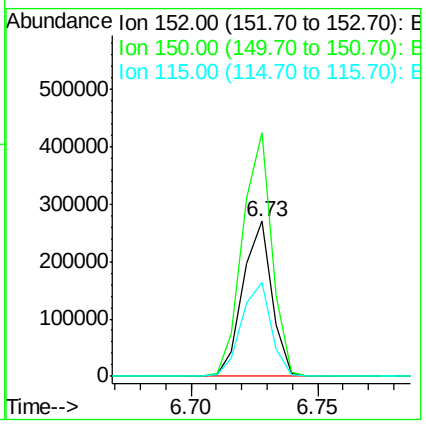




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:152 Resp: 215043

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	60.7	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Manual Integrations APPROVED
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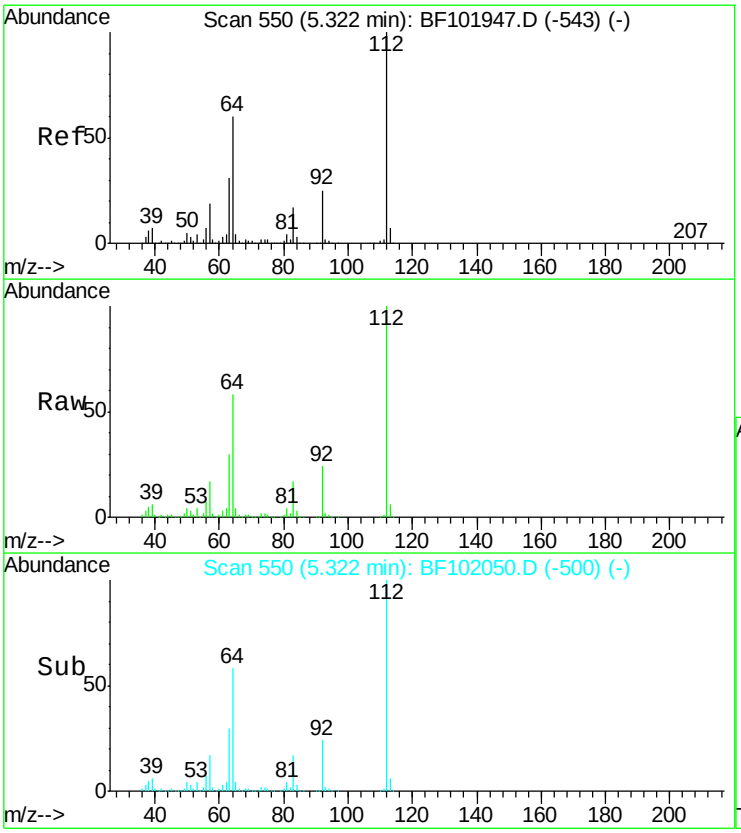
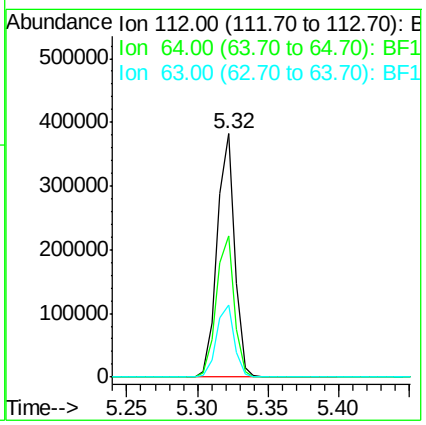
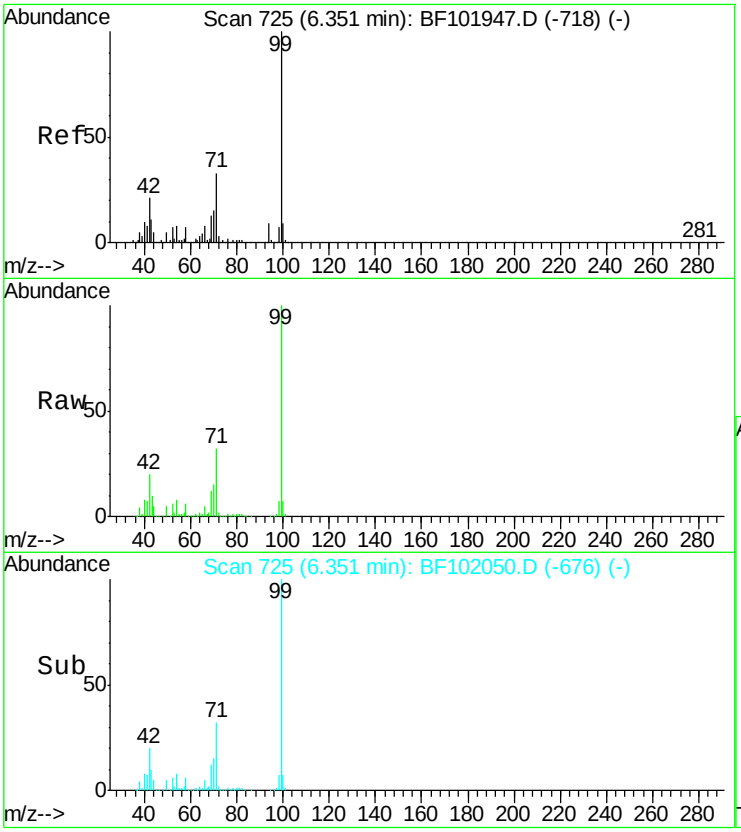


#5
2-Fluorophenol
Concen: 21.625 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:112 Resp: 329330

Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.9	71.9
63	29.7	23.7	35.5

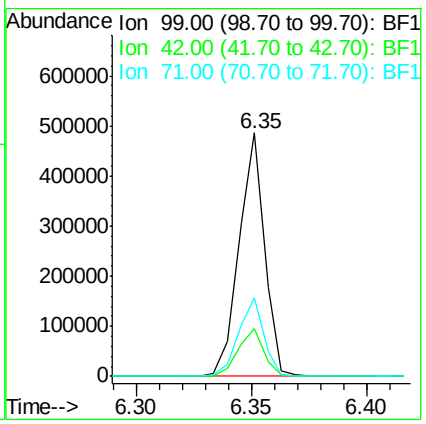




#7
Phenol-d6
Concen: 20.616 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion: 99 Resp: 374590

Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.5	21.7
71	32.3	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Manual Integrations APPROVED
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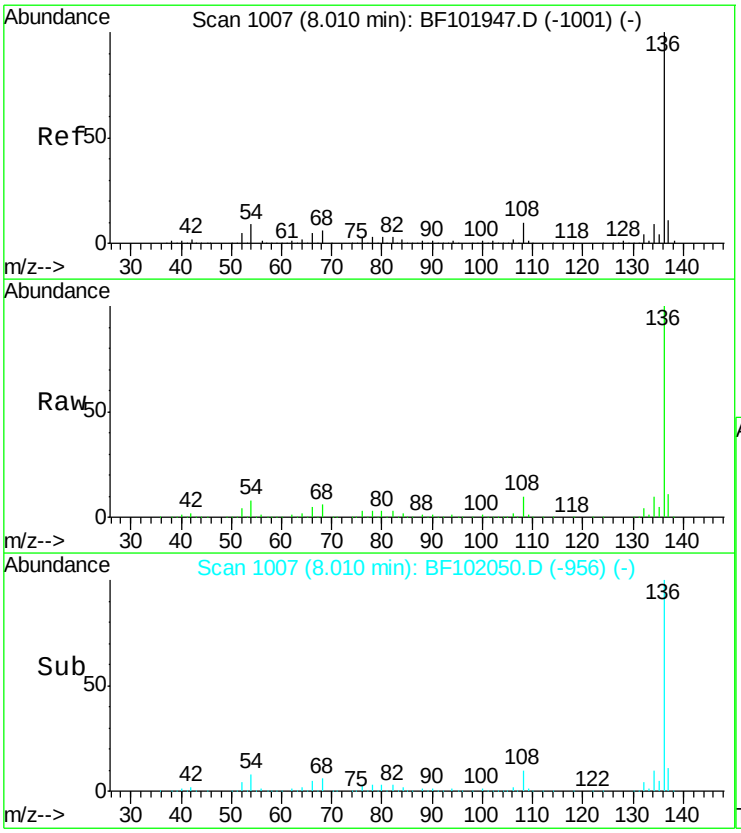
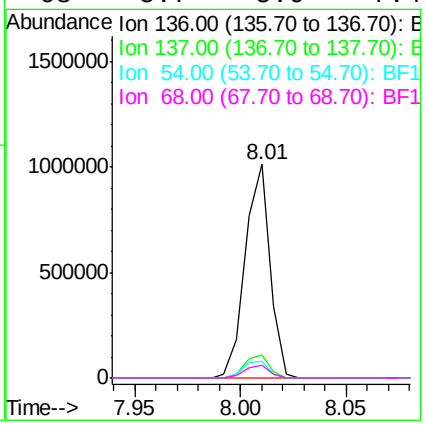
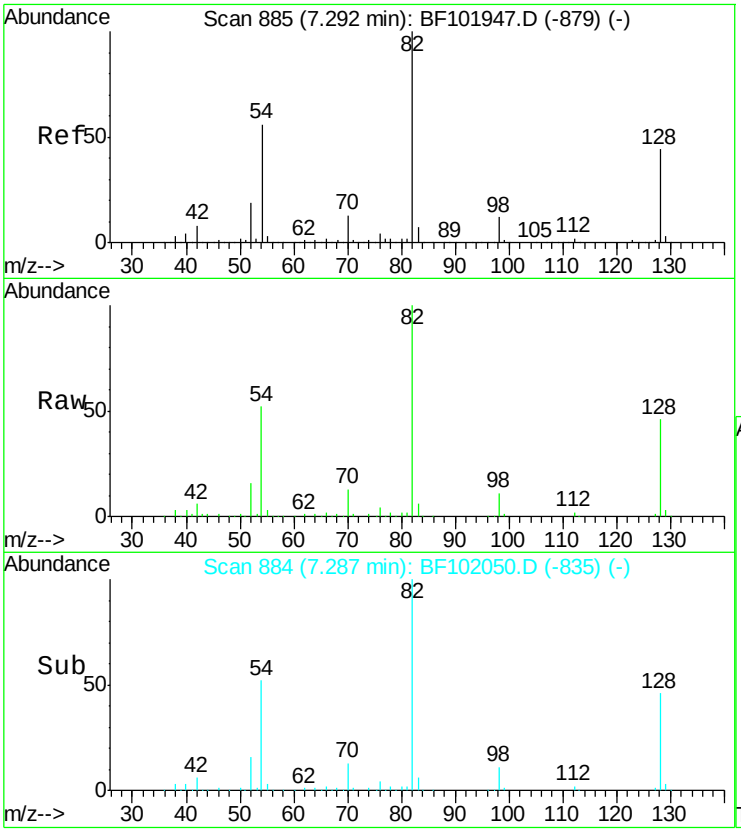


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:136 Resp: 830362

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.7	6.6	9.8
68	5.7	5.0	7.4

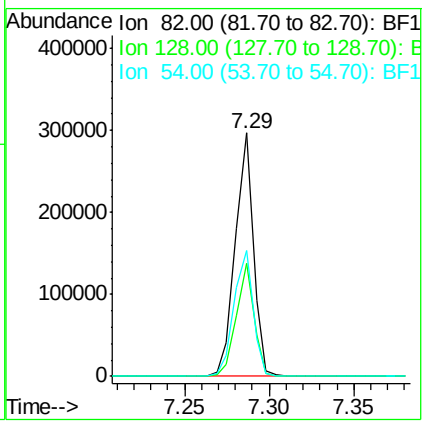




#23
Nitrobenzene-d5
Concen: 15.678 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion: 82 Resp: 221534

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	51.6	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Manual Integrations APPROVED
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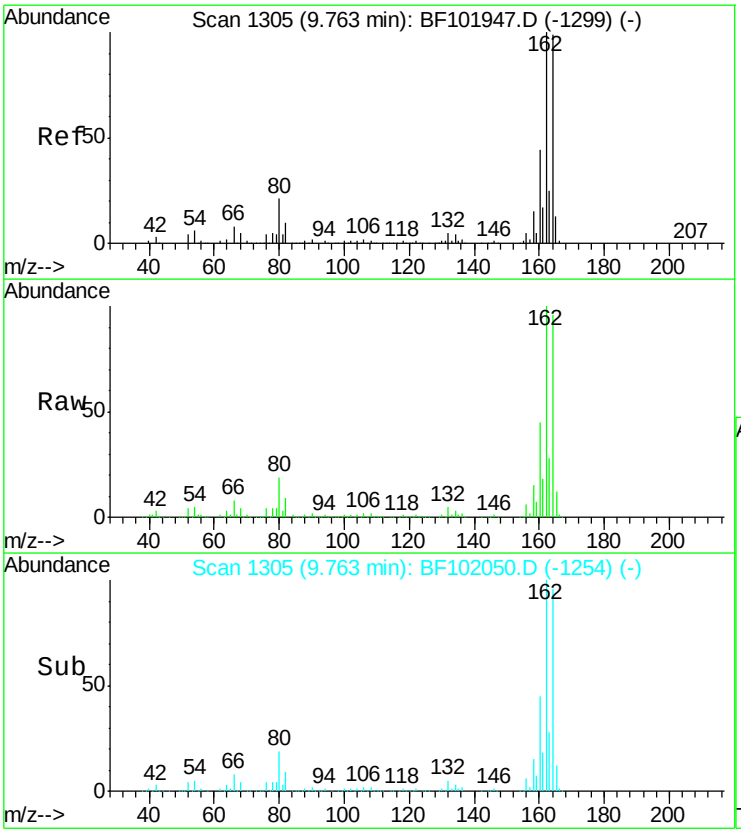
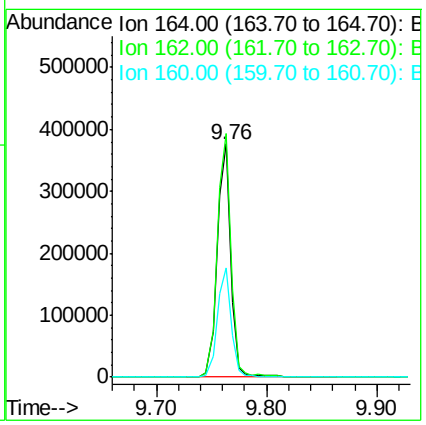
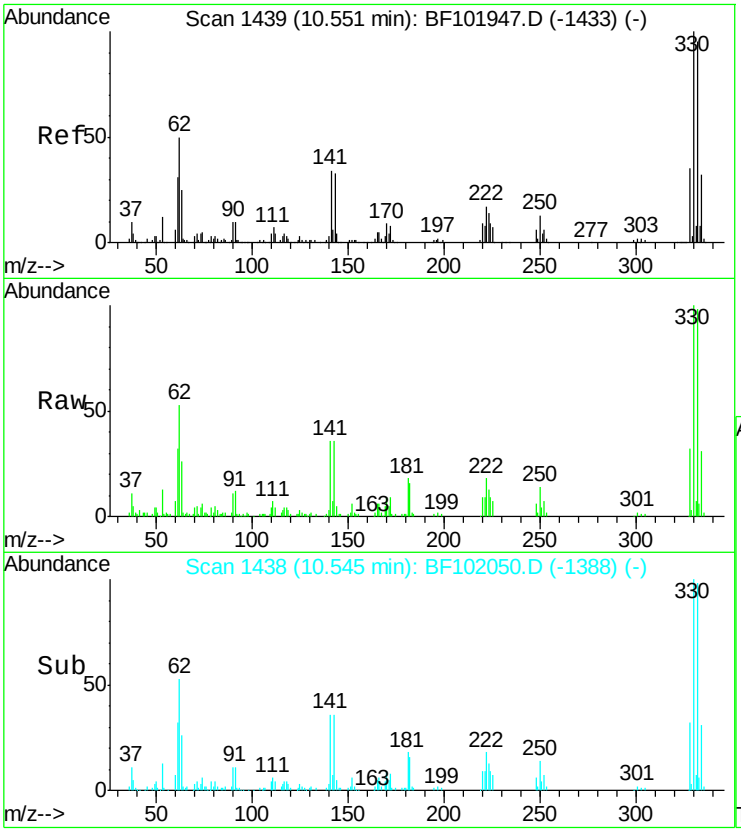


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:164 Resp: 324098

Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	46.8	38.3	57.5

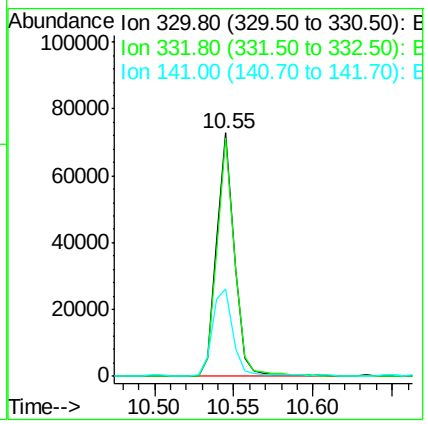




#41
2,4,6-Tribromophenol
Concen: 20.103 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:330 Resp: 56859

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	41.7	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Manual Integrations APPROVED
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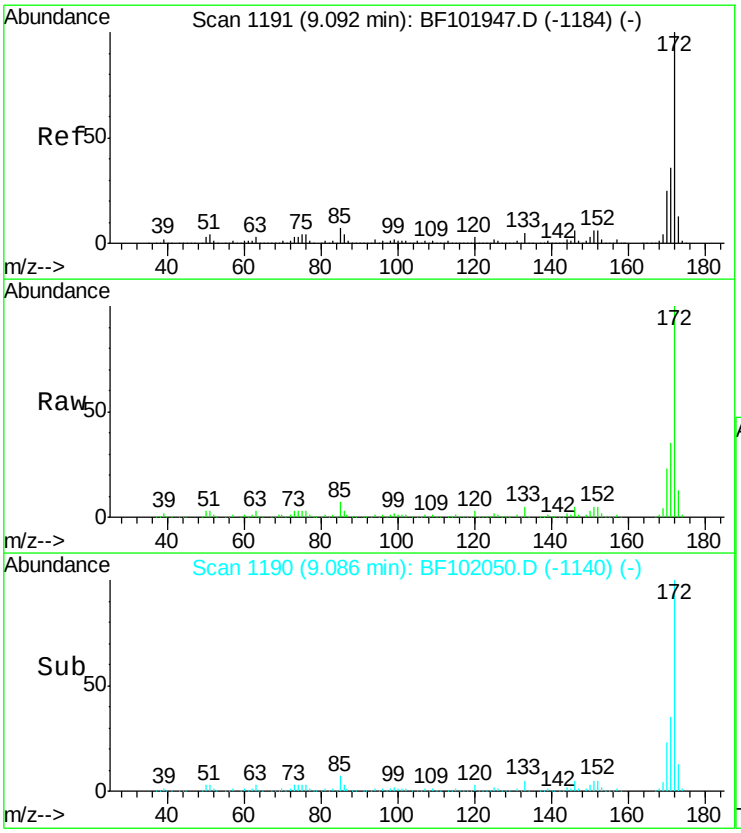
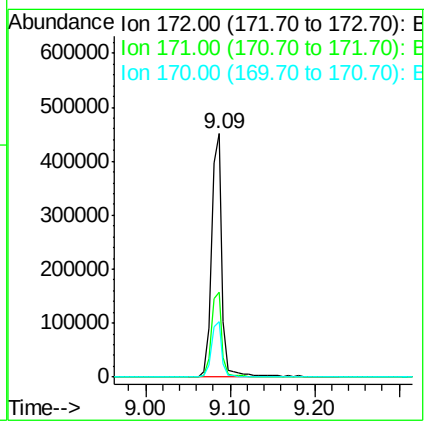
1/15/2018 4:22:18 PM

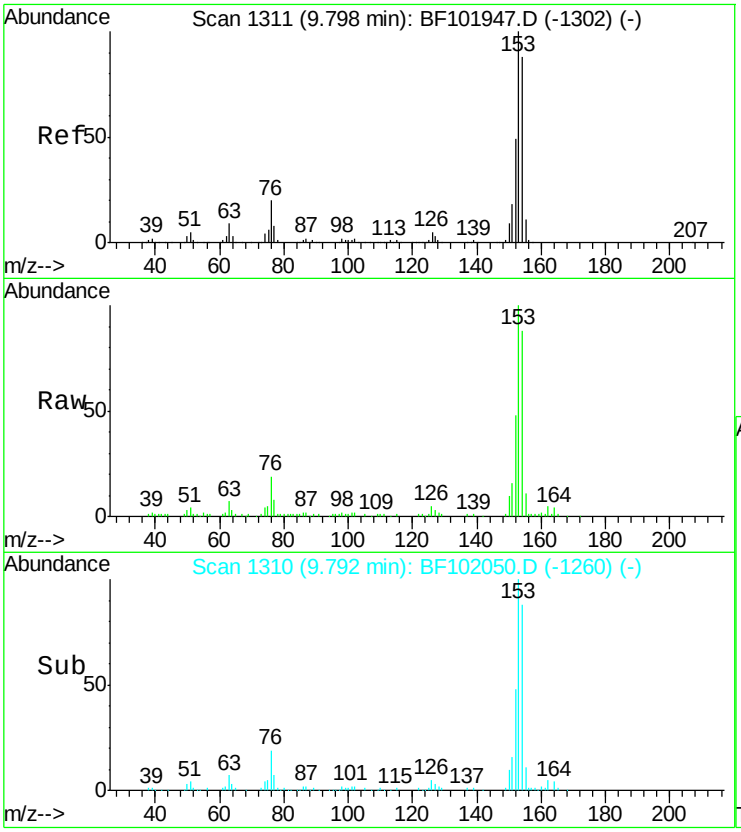


#44
2-Fluorobiphenyl
Concen: 19.248 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:172 Resp: 399309

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	22.6	19.6	29.4

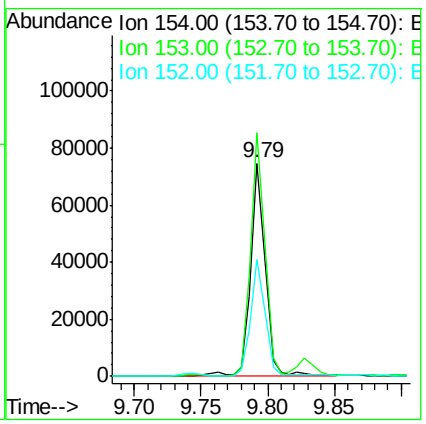




#51
Acenaphthene
Concen: 2.643 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:154 Resp: 56562

Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.2	136.8
152	54.8	43.8	65.8



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Manual Integrations APPROVED
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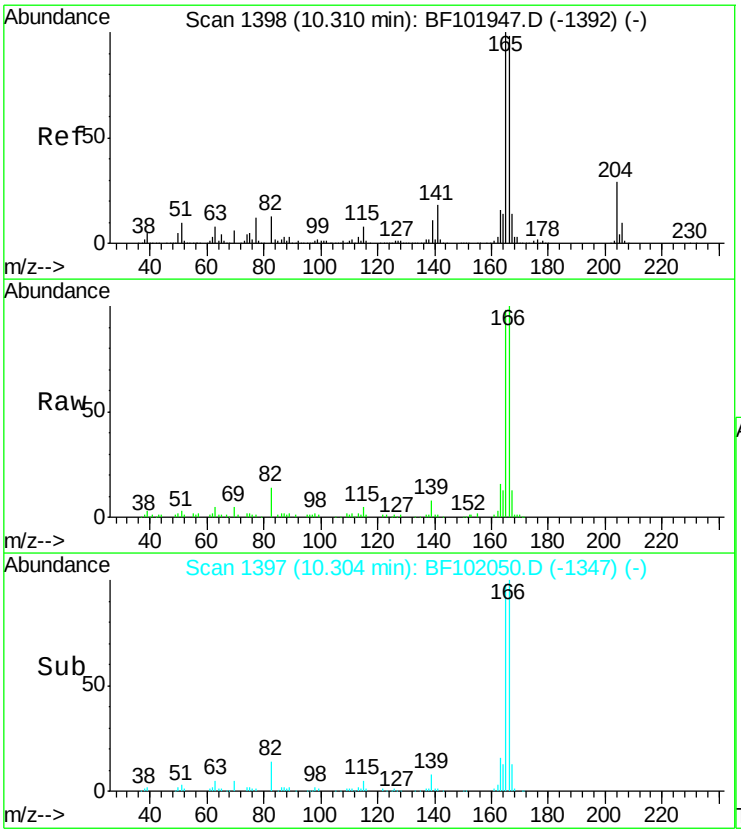
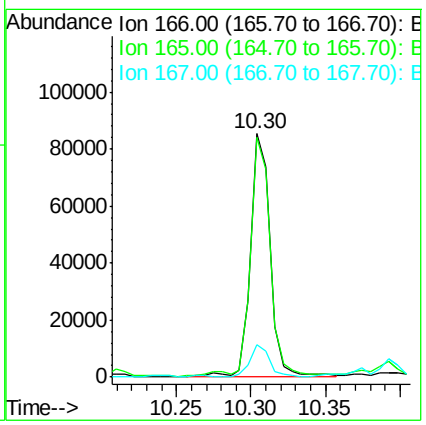
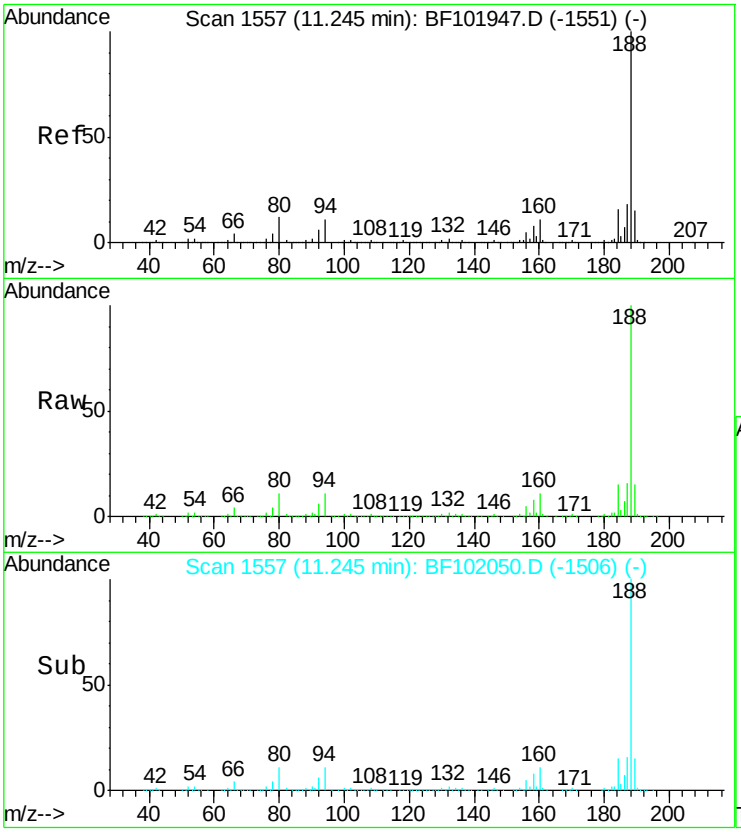


#57
Fluorene
Concen: 3.836 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:166 Resp: 77877

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	13.2	10.6	16.0

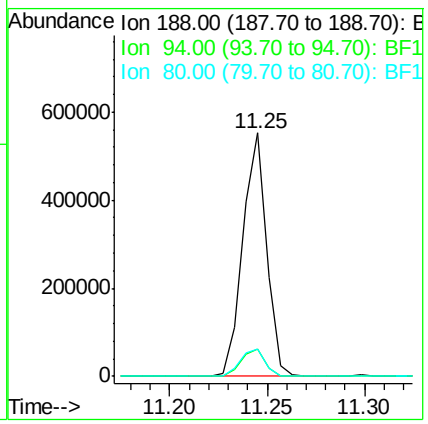




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

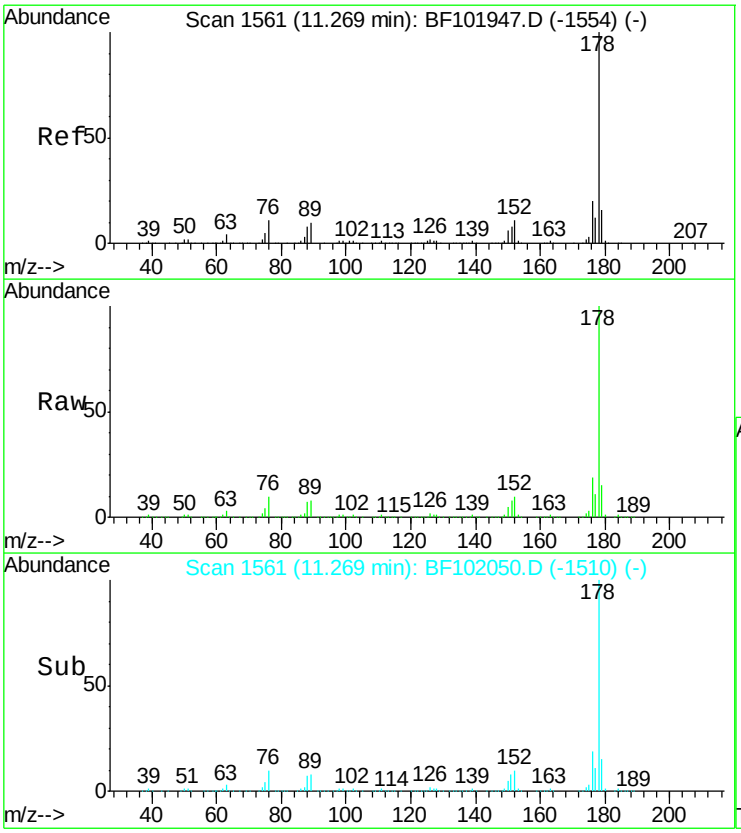
Tgt Ion:188 Resp: 468924

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.3	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

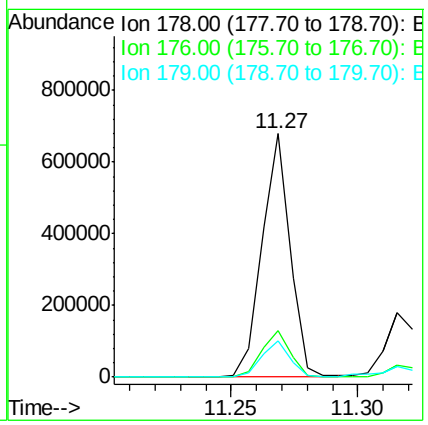
Manual Integrations APPROVED
Sohil
1/15/2018 4:22:18 PM

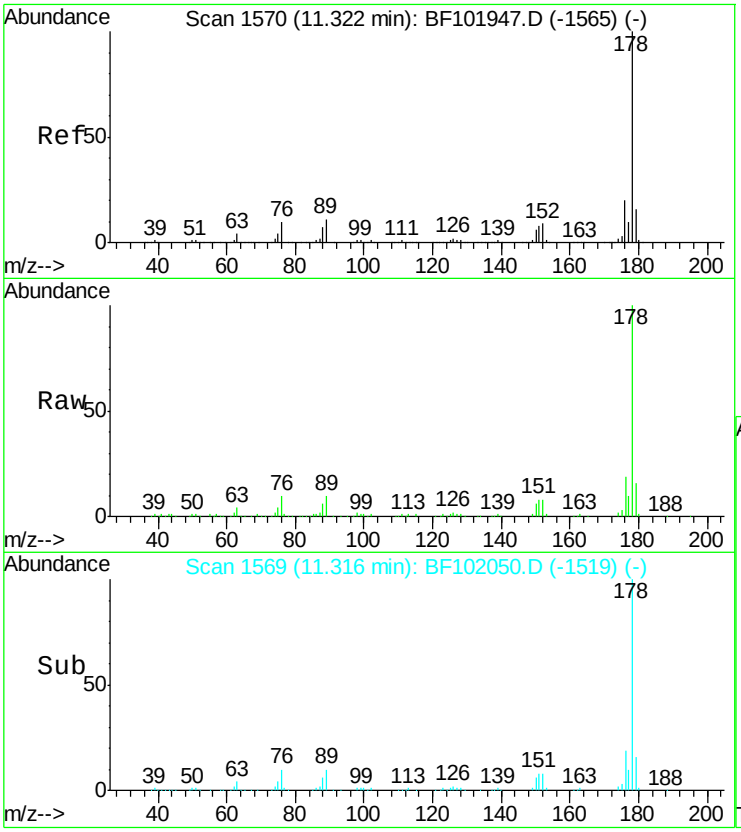


#70
Phenanthrene
Concen: 19.236 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:178 Resp: 526899

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.0	13.0	19.6

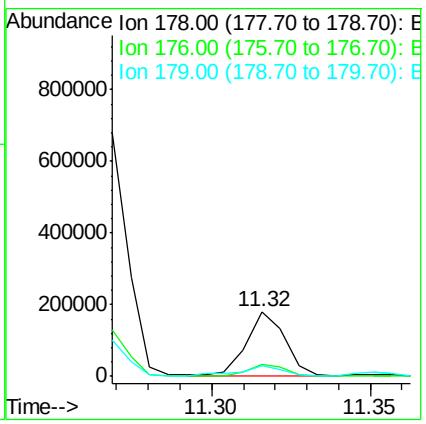




#71
Anthracene
Concen: 5.355 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:178 Resp: 148768

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Manual Integrations APPROVED
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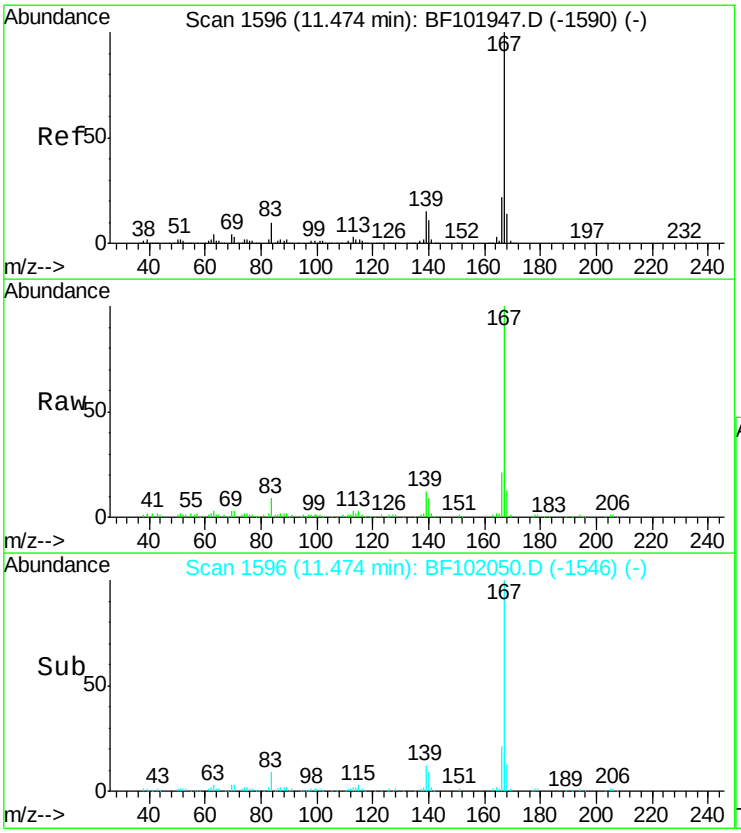
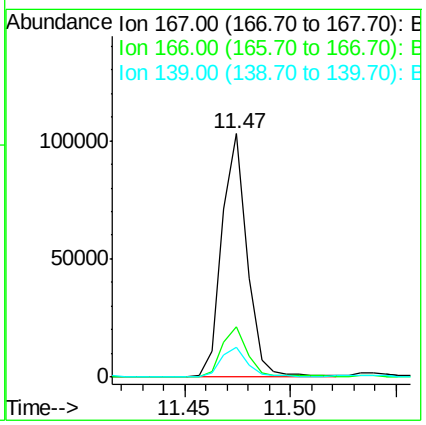
1/15/2018 4:22:18 PM

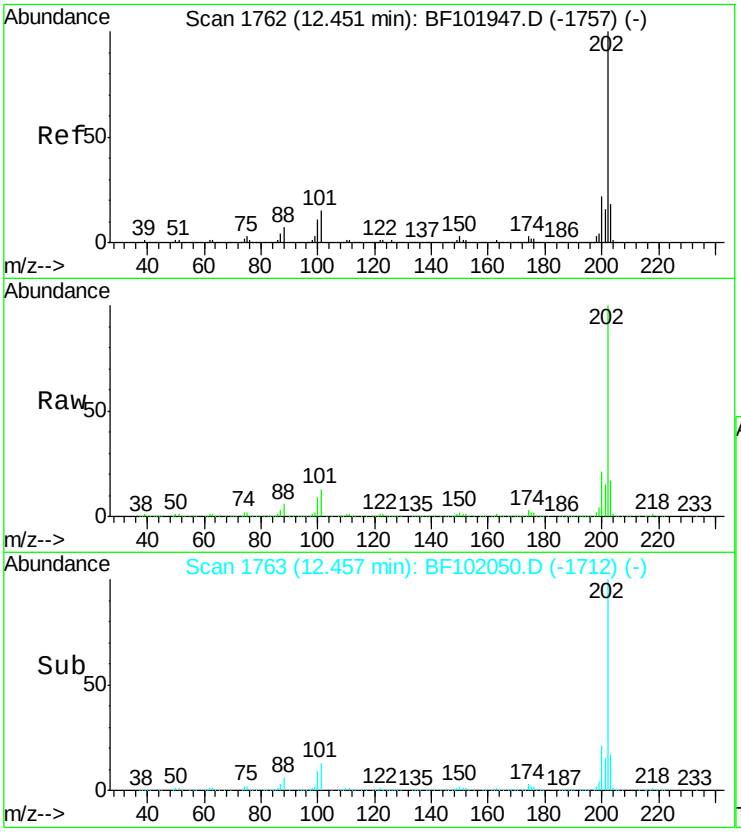


#72
Carbazole
Concen: 3.124 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:167 Resp: 85304

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.6	26.4
139	12.3	10.9	16.3

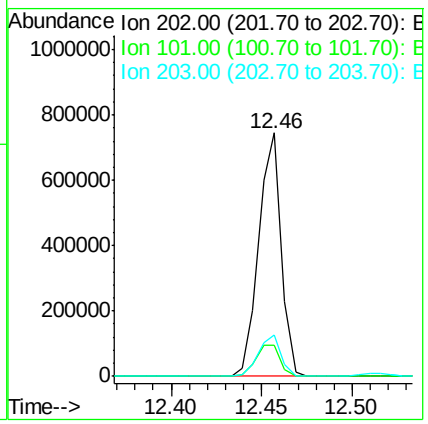




#74
Fluoranthene
Concen: 23.836 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.00 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

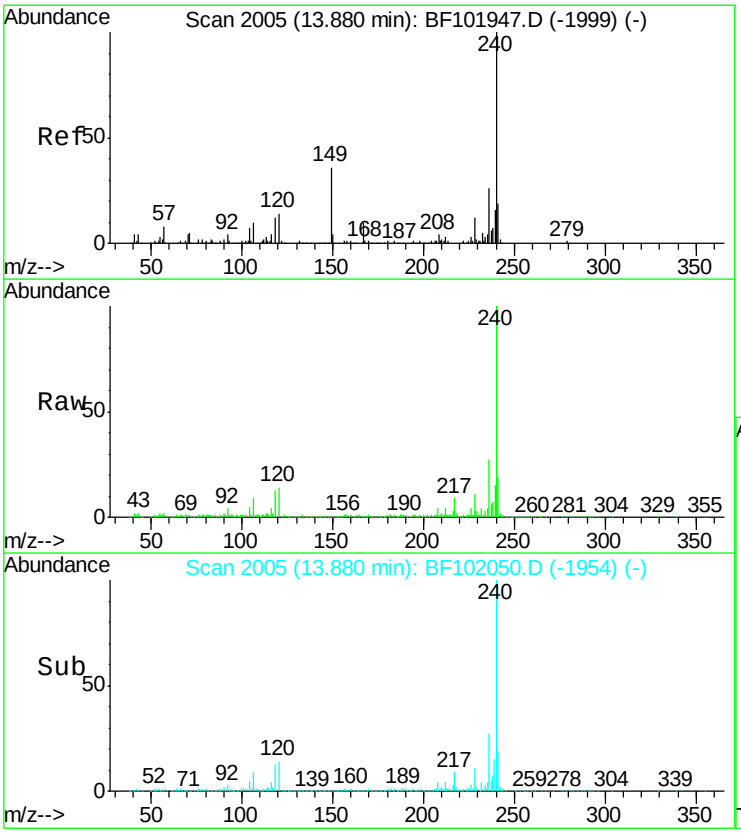
Tgt Ion:202 Resp: 642356

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.1	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

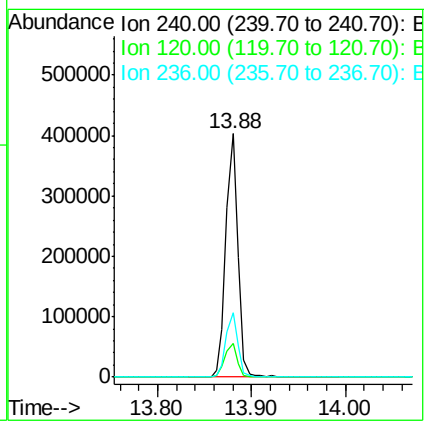
Manual Integrations APPROVED
Sohil
1/15/2018 4:22:18 PM

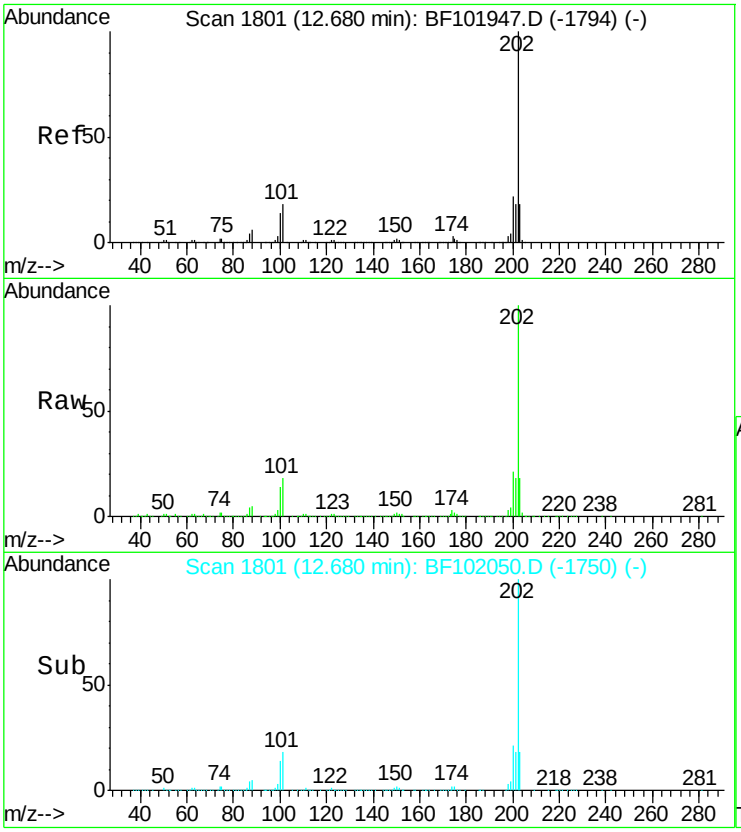


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:240 Resp: 363329

Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.5	14.3
236	26.7	20.7	31.1

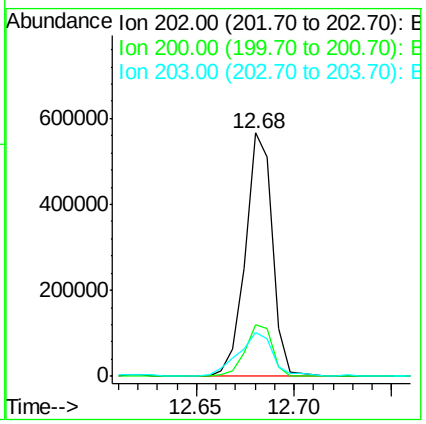




#77
Pyrene
Concen: 16.902 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:202 Resp: 542832

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

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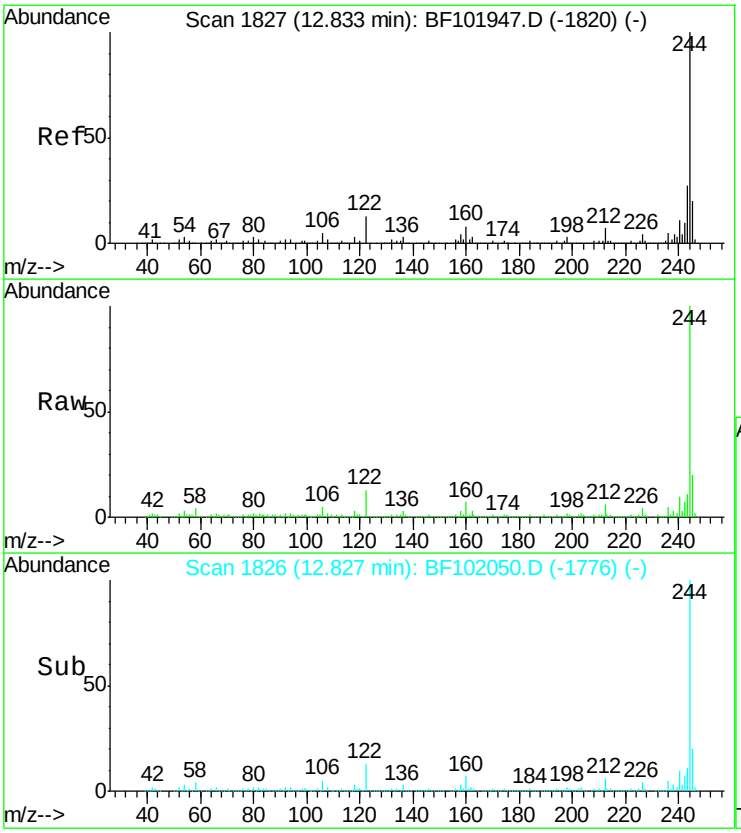
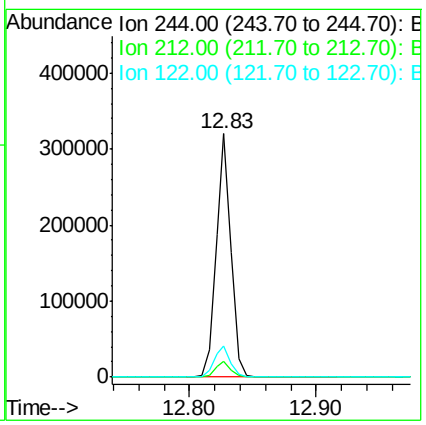
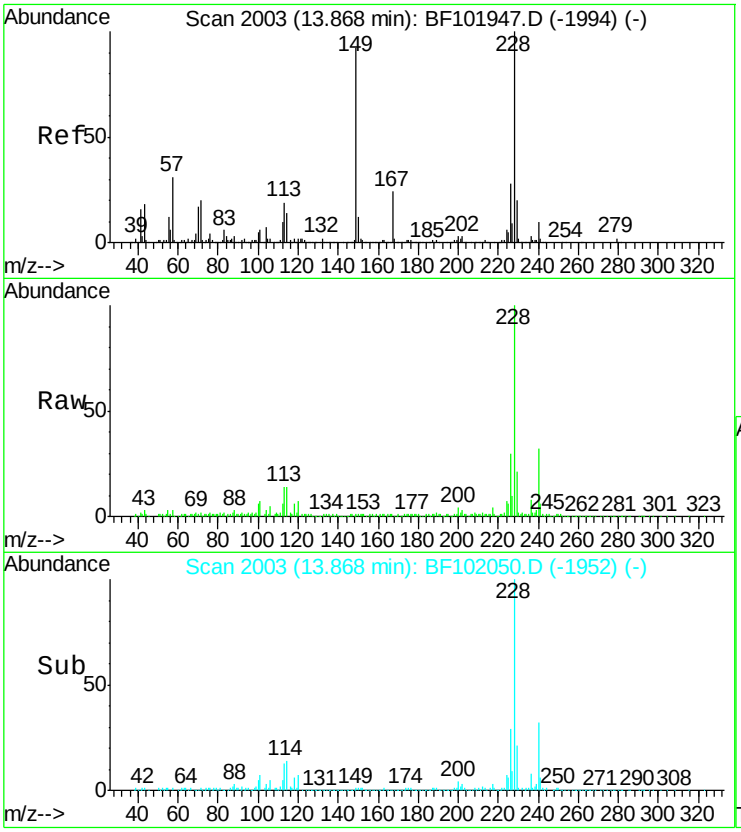


#78
Terphenyl-d14
Concen: 14.966 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:244 Resp: 261893

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	12.8	11.0	16.4

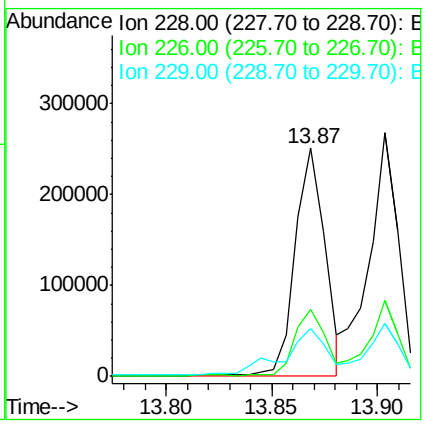




#80
Benzo(a)anthracene
Concen: 10.531 ng m
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:228 Resp: 244114

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.2	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Manual Integrations APPROVED
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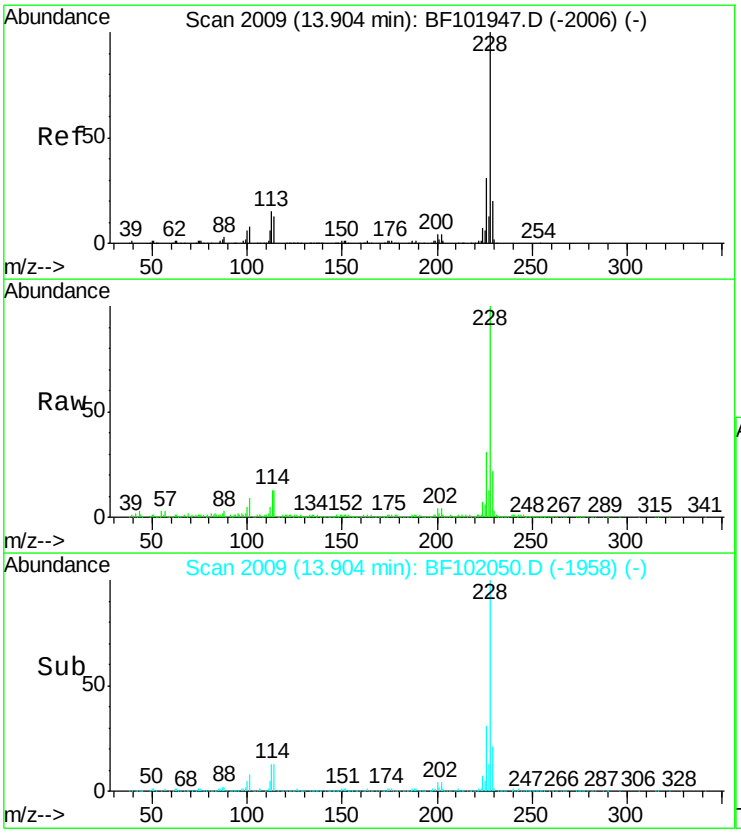
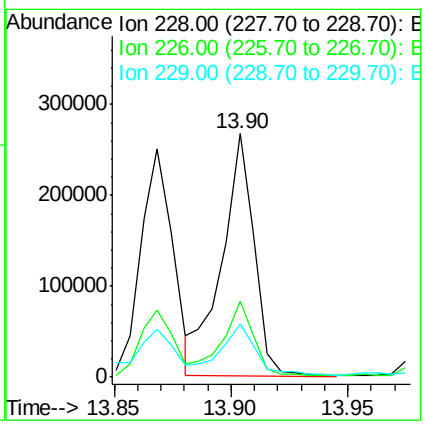
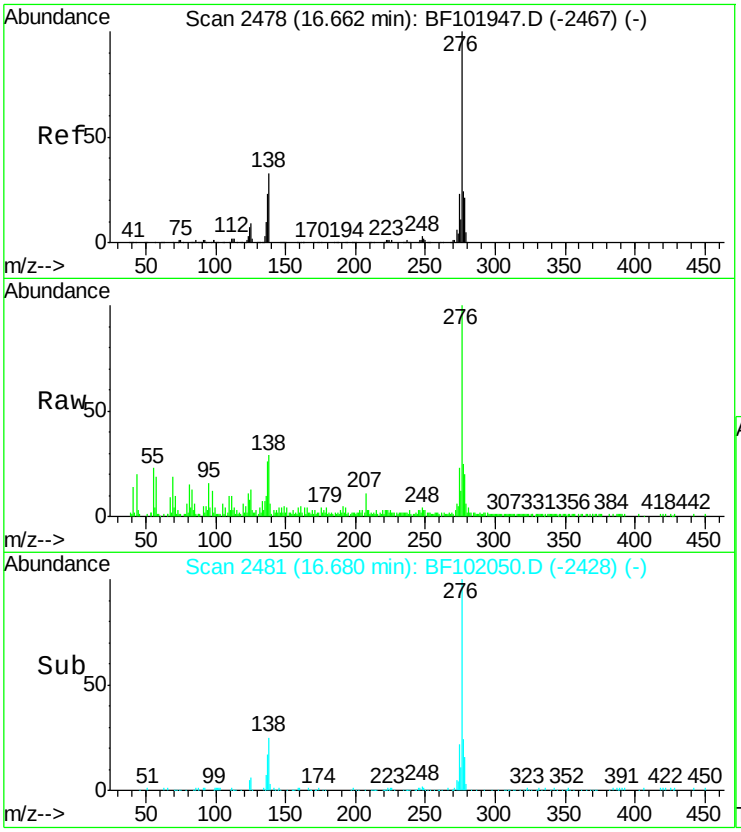


#82
Chrysene
Concen: 10.750 ng m
RT: 13.90 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:228 Resp: 259837

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	21.8	16.2	24.4

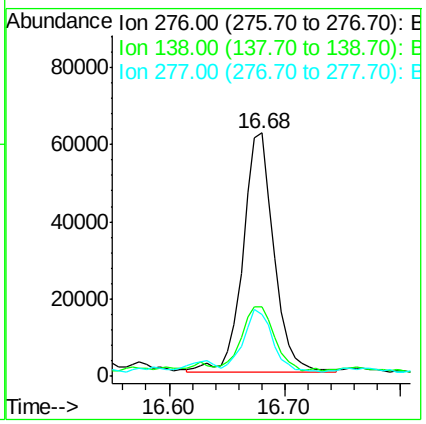




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.568 ng
RT: 16.68 min Scan# 2481
Delta R.T. 0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:276 Resp: 115544

Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.0	37.6
277	25.2	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Manual Integrations APPROVED
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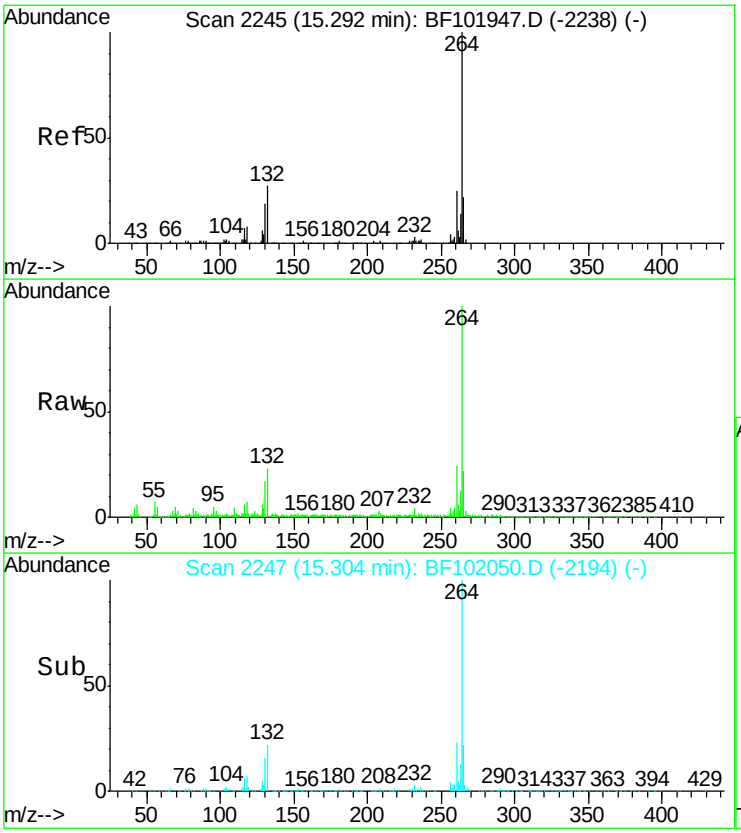
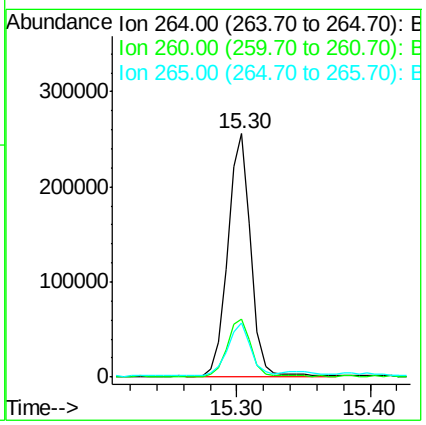
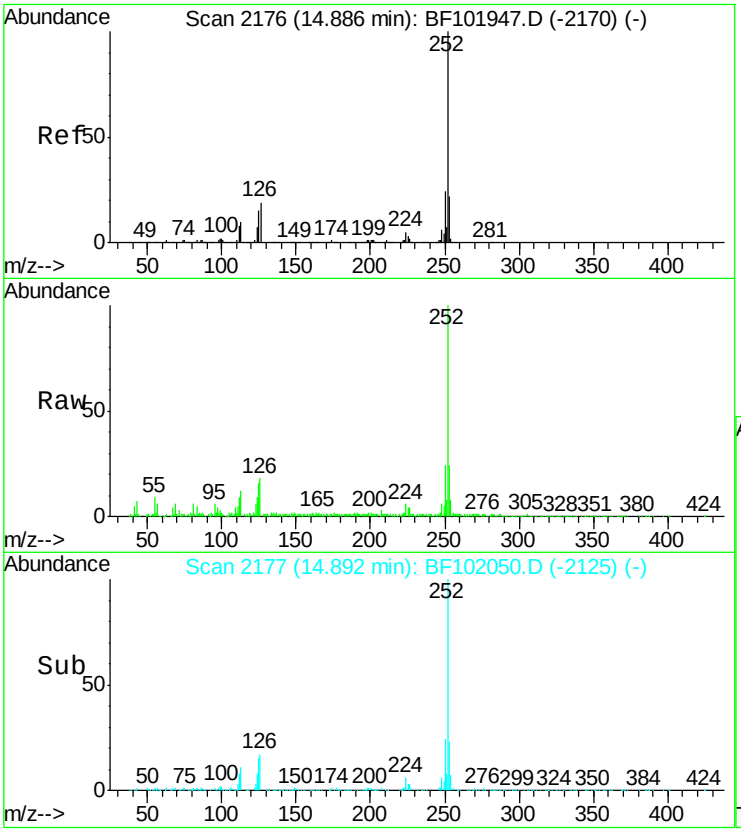


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:264 Resp: 305339

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.2	17.5	26.3





#87
Benzo(b)fluoranthene
Concen: 14.729 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:252 Resp: 293250

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	16.4	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

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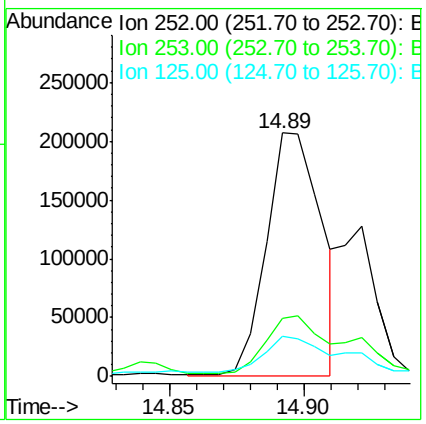
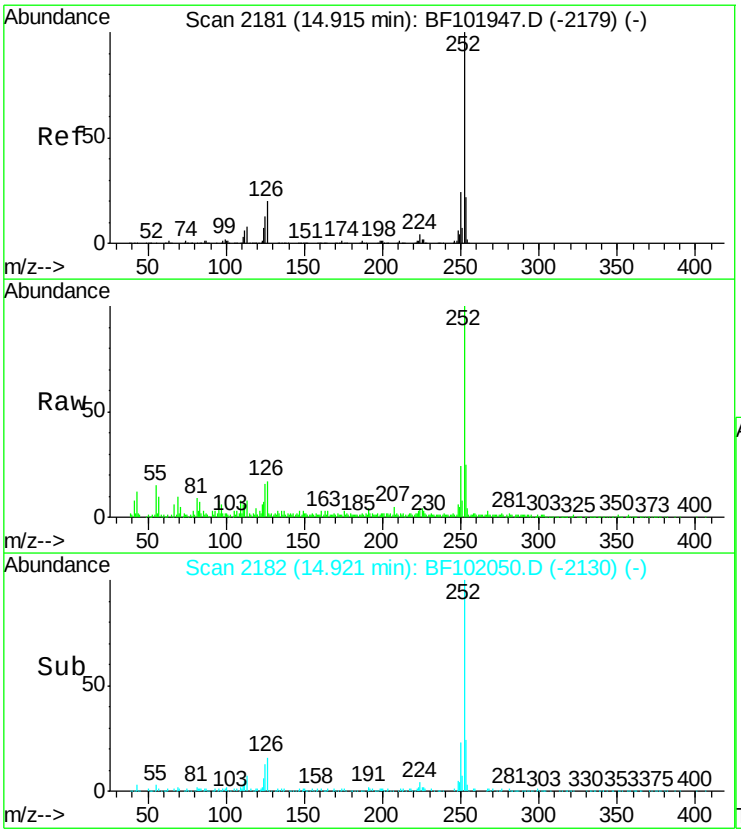
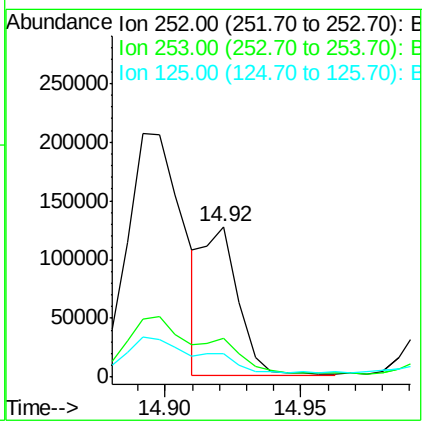


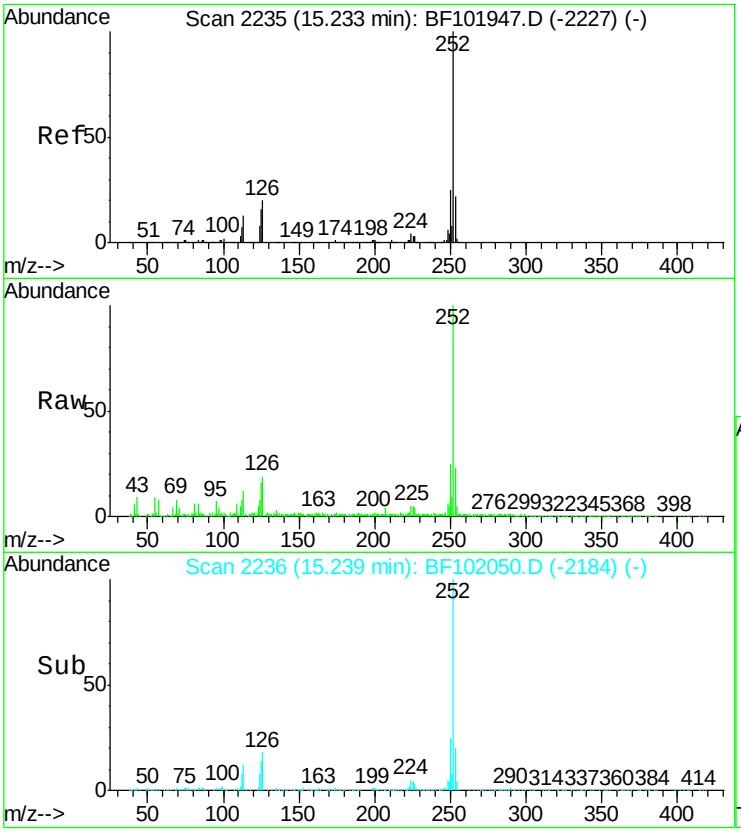


#88
Benzo(k)fluoranthene
Concen: 6.011 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:252 Resp: 115447

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	15.8	10.2	15.2#

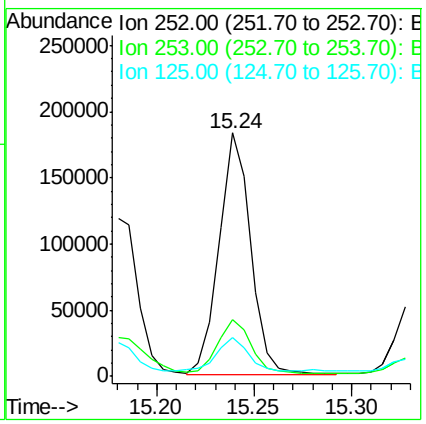




#89
Benzo(a)pyrene
Concen: 11.423 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:252 Resp: 204642

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	15.7	9.8	14.6#



Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

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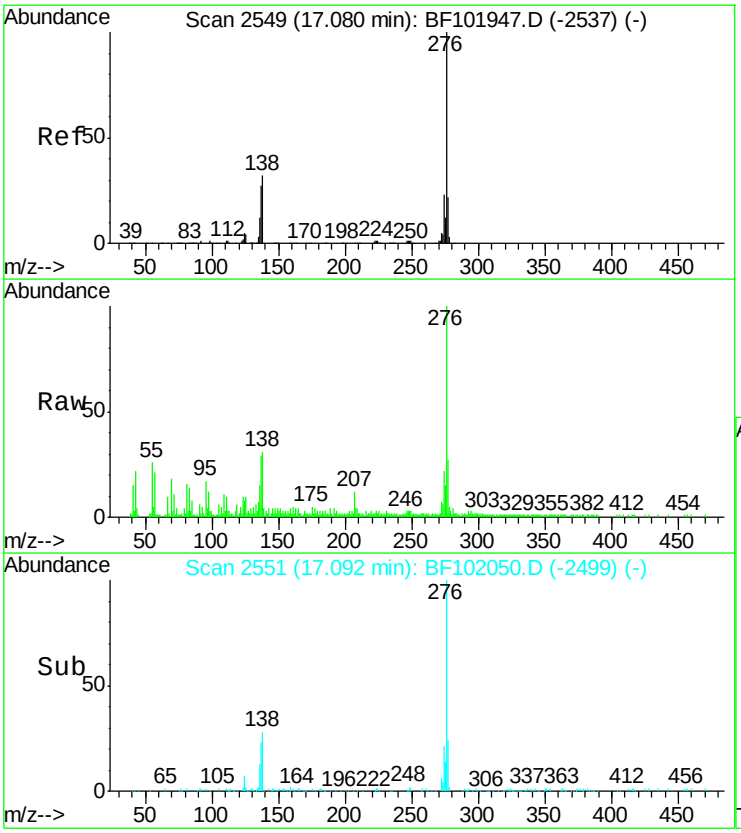

#91
Benzo(g,h,i)perylene
Concen: 7.617 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.01 min
Lab File: BF102050.D
Acq: 12 Jan 2018 18:35

Tgt Ion:276 Resp: 109701

Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	30.7	21.8	32.8