Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091417\
Data File : BF098521.D
Acq On : 14 Sep 2017 11:30
Operator : SJ/JU
Sample : I5182-05DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-1DL

Manual Integrations APPROVED
Sohil
9/15/2017 5:43:29 PM

Quant Time: Sep 21 16:46:26 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 21 16:40:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	149630	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	610504	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	277678	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	521101	20.00	ng	0.00
75) Chrysene-d12	13.80	240	290556	20.00	ng	0.00
86) Perylene-d12	15.19	264	306353	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	189789	18.75	ng	0.00
7) Phenol-d6	6.29	99	248634	19.35	ng	-0.01
23) Nitrobenzene-d5	7.21	82	148320	13.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	42912	23.15	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	248570	15.17	ng	-0.01
78) Terphenyl-d14	12.74	244	186266	13.84	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.95	128	79068	2.620	ng	99
37) 2-Methylnaphthalene	8.64	142	50292	2.751	ng	98
51) Acenaphthene	9.71	154	71433	4.258	ng	99
54) Dibenzofuran	9.89	168	140705	6.366	ng	99
57) Fluorene	10.23	166	112725	6.162	ng	100
70) Phenanthrene	11.19	178	1356945	49.120	ng	99
71) Anthracene	11.24	178	314186	11.077	ng	98
72) Carbazole	11.40	167	126320	4.779	ng	97
74) Fluoranthene	12.37	202	1187281	42.932	ng	99
77) Pyrene	12.60	202	982941	42.884	ng	98
80) Benzo(a)anthracene	13.79	228	306889	18.015	ng	99
82) Chrysene	13.82	228	307012	17.830	ng	96
85) Indeno(1,2,3-cd)pyrene	16.52	276	167575	13.871	ng	93
87) Benzo(b)fluoranthene	14.80	252	352471m	18.298	ng	
88) Benzo(k)fluoranthene	14.82	252	125193m	6.962	ng	
89) Benzo(a)pyrene	15.13	252	242929	14.156	ng	97
90) Dibenzo(a,h)anthracene	16.53	278	38252m	3.064	ng	
91) Benzo(g,h,i)perylene	16.92	276	164847	13.129	ng	95

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

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ClientSampleId :
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Manual Integrations APPROVED
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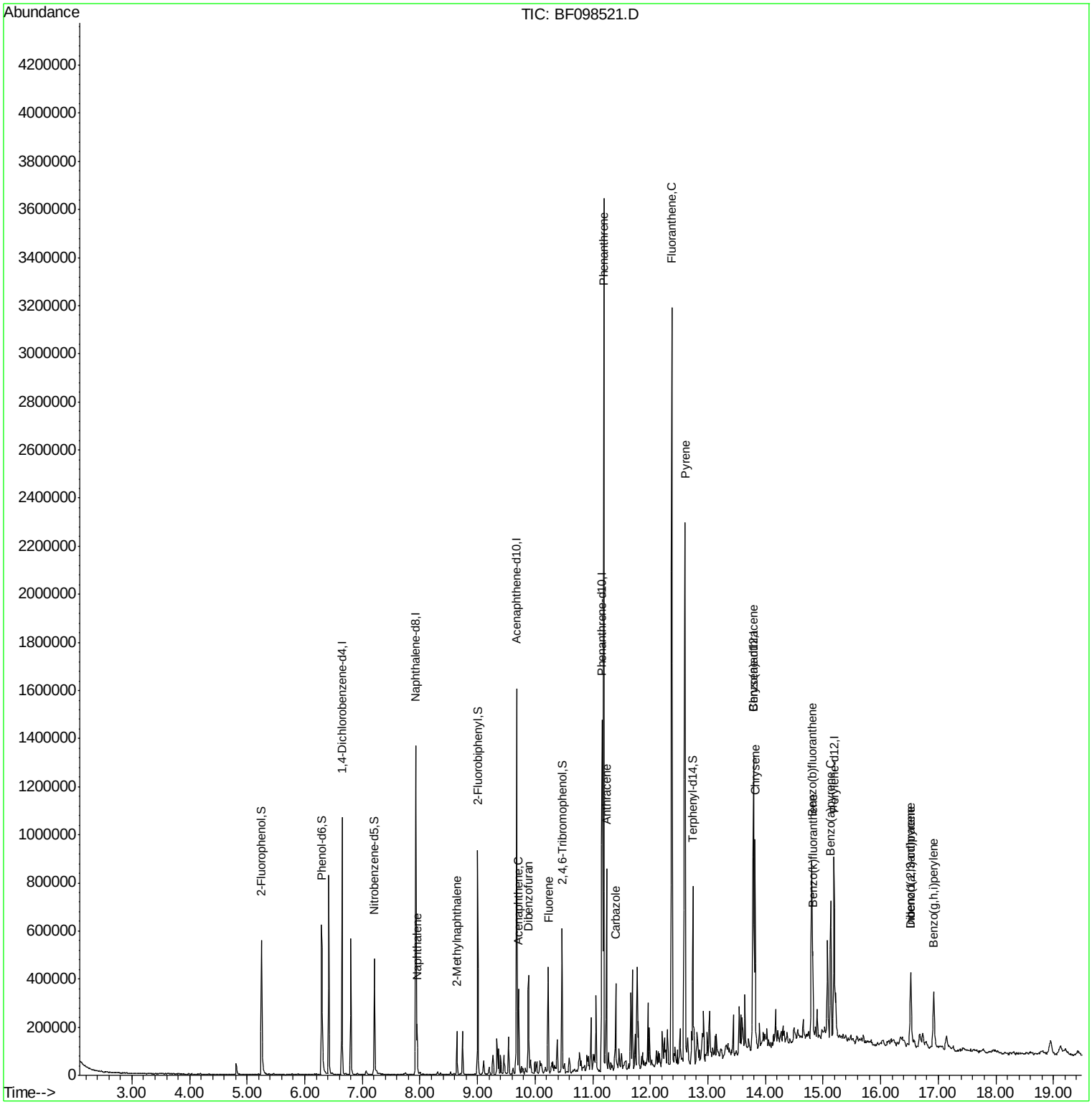
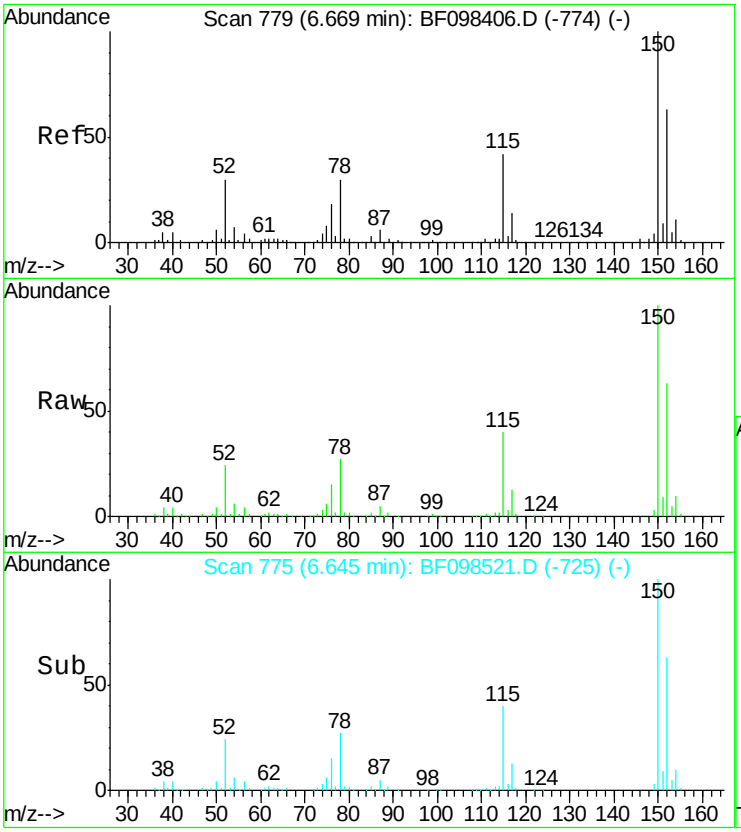
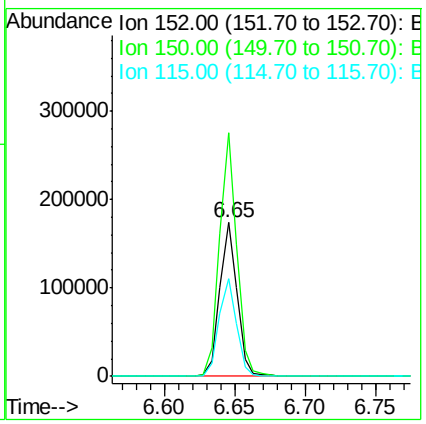




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:152 Resp: 149630

Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	63.9	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
G-1DL

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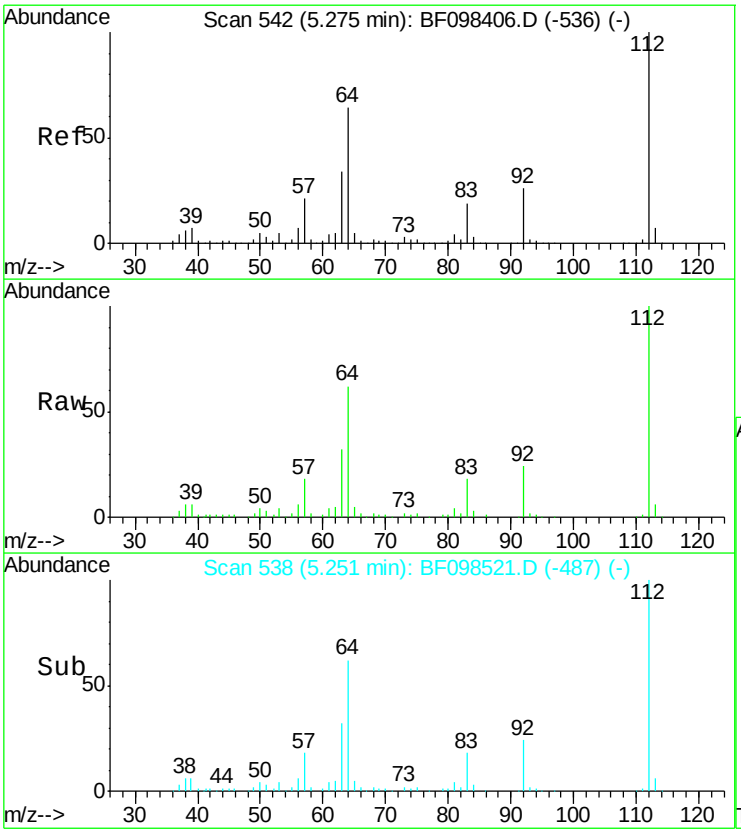
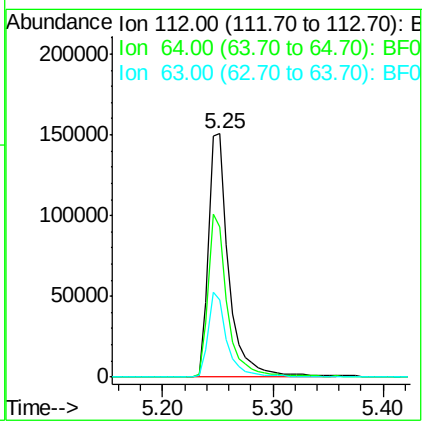
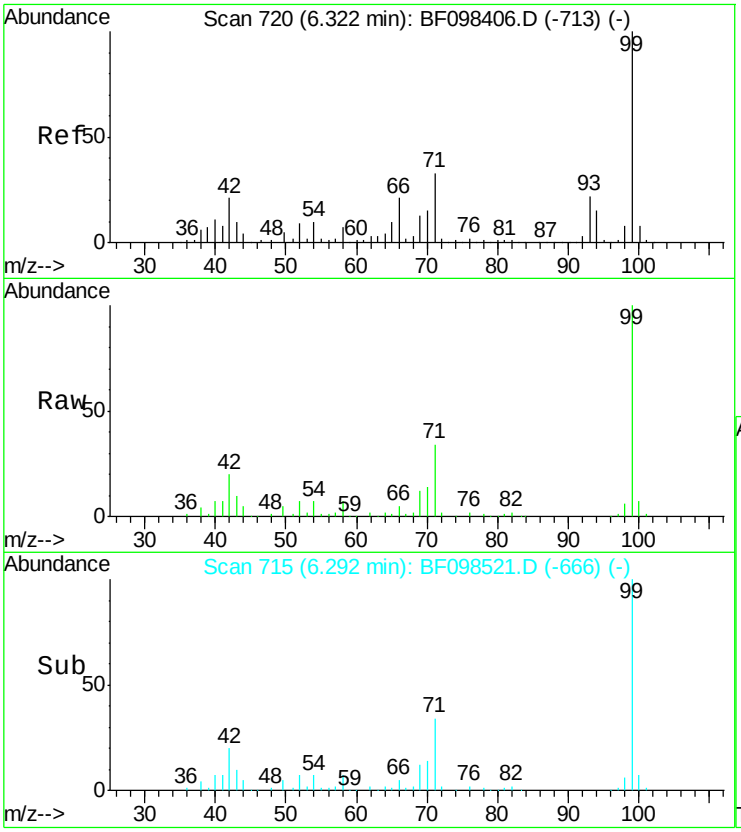


#5
2-Fluorophenol
Concen: 18.753 ng
RT: 5.25 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:112 Resp: 189789

Ion	Ratio	Lower	Upper
112	100		
64	61.9	46.0	69.0
63	31.7	23.4	35.0

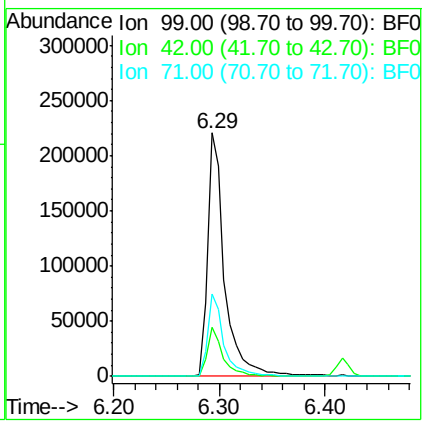




#7
Phenol-d6
Concen: 19.350 ng
RT: 6.29 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion: 99 Resp: 248634

Ion	Ratio	Lower	Upper
99	100		
42	20.0	13.5	20.3
71	34.0	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
G-1DL

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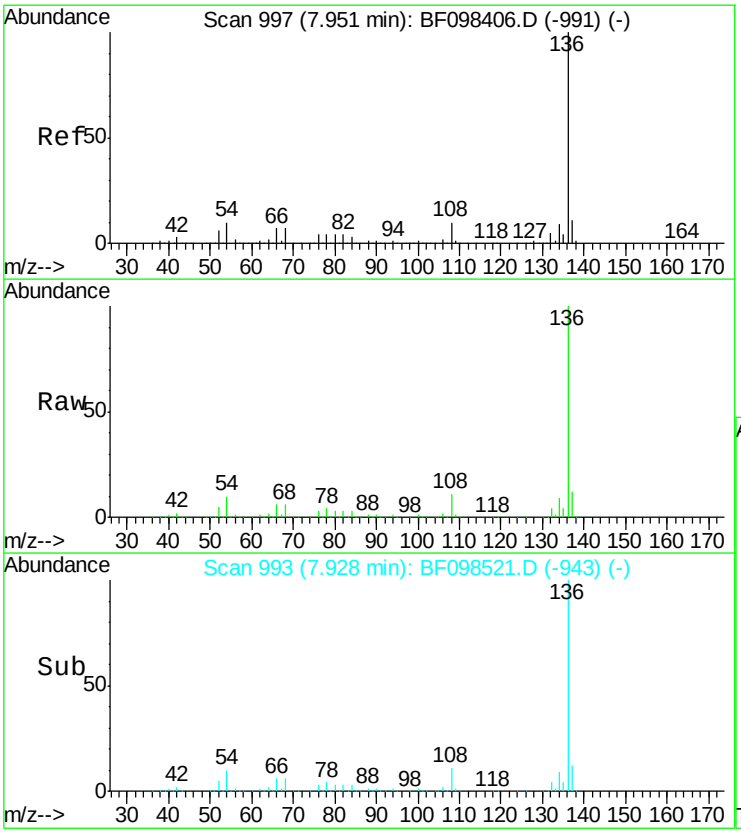
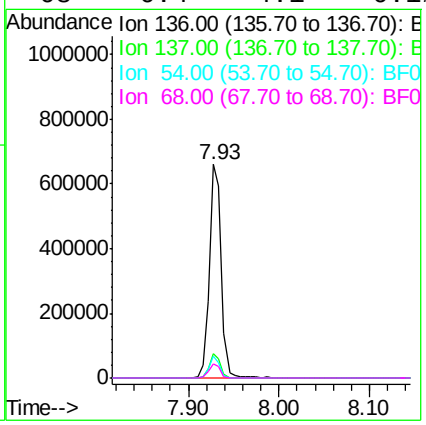
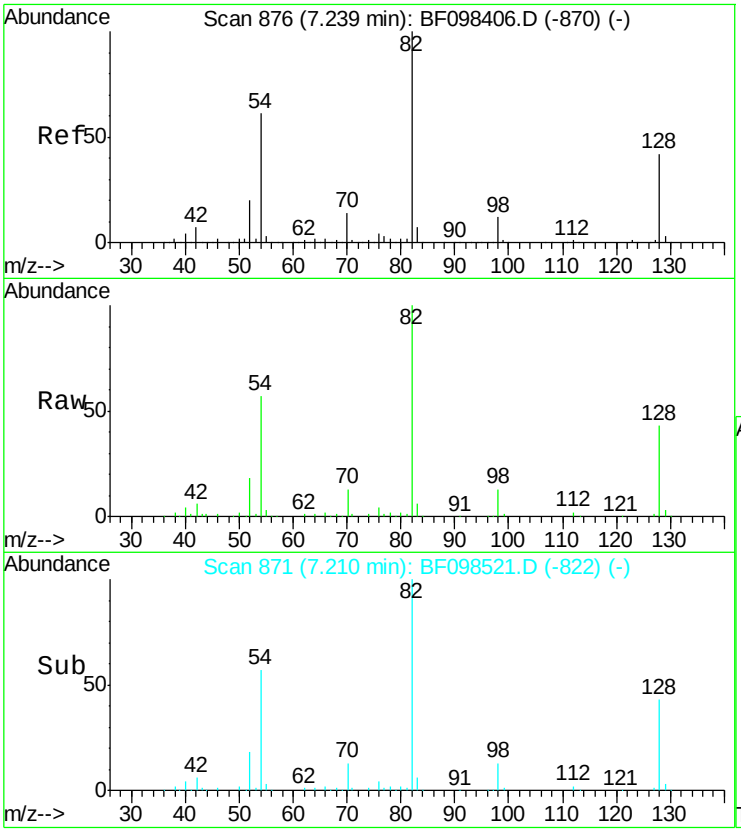


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:136 Resp: 610504

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	9.9	4.9	7.3#
68	6.4	4.1	6.1#

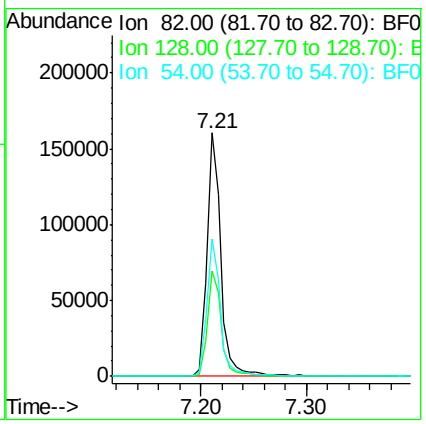




#23
Nitrobenzene-d5
Concen: 13.544 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion: 82 Resp: 148320

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.0	51.0
54	56.6	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
G-1DL

Manual Integrations APPROVED
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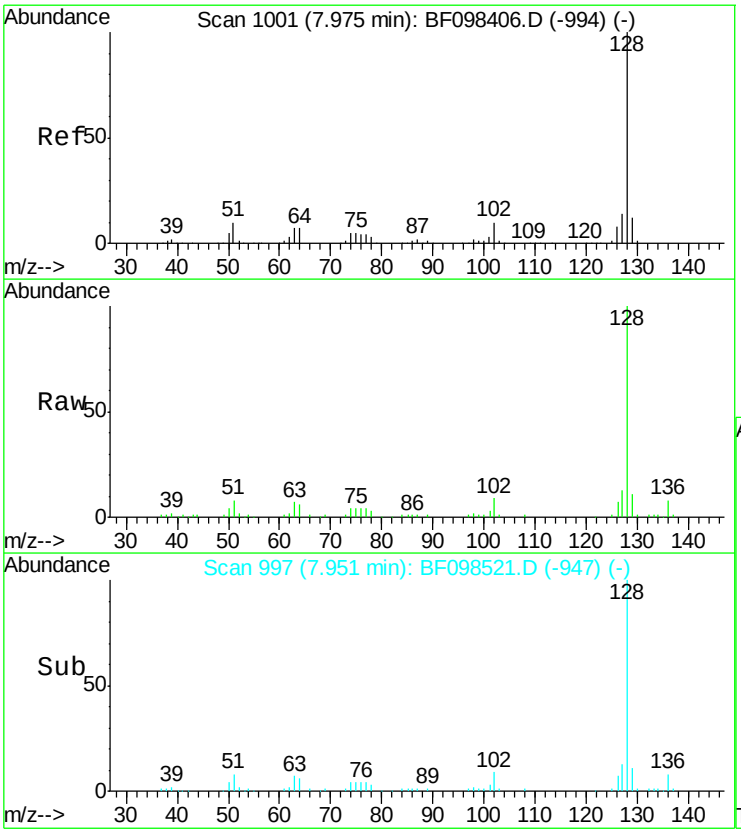
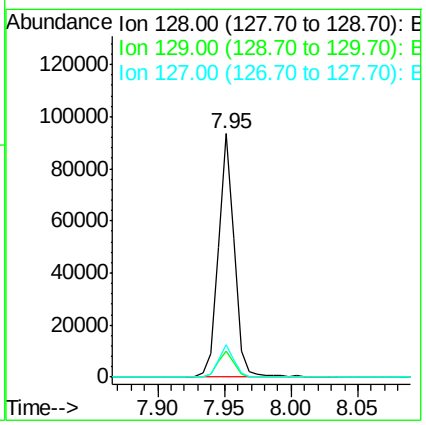
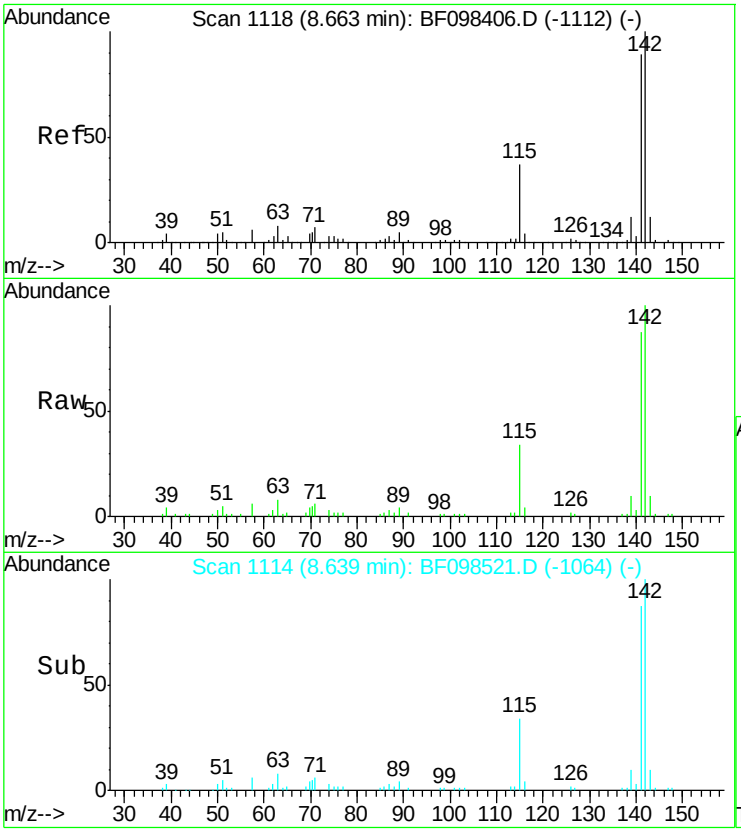


#31
Naphthalene
Concen: 2.620 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:128 Resp: 79068

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.4	10.8	16.2

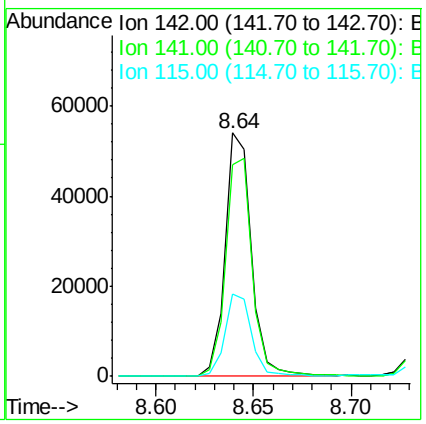




#37
2-Methylnaphthalene
Concen: 2.751 ng
RT: 8.64 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:142 Resp: 50292

Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.3	106.9
115	33.8	27.1	40.7



Instrument :
BNA_F
ClientSampleId :
G-1DL

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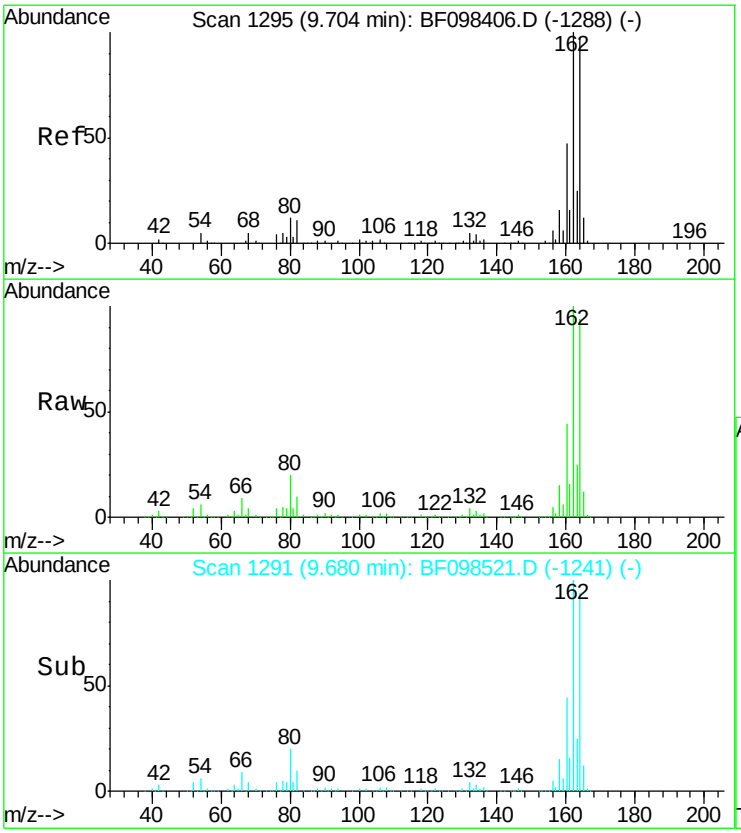
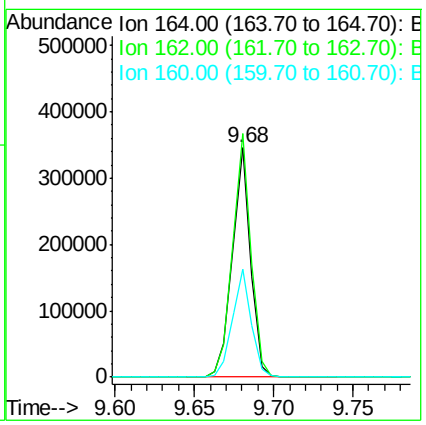
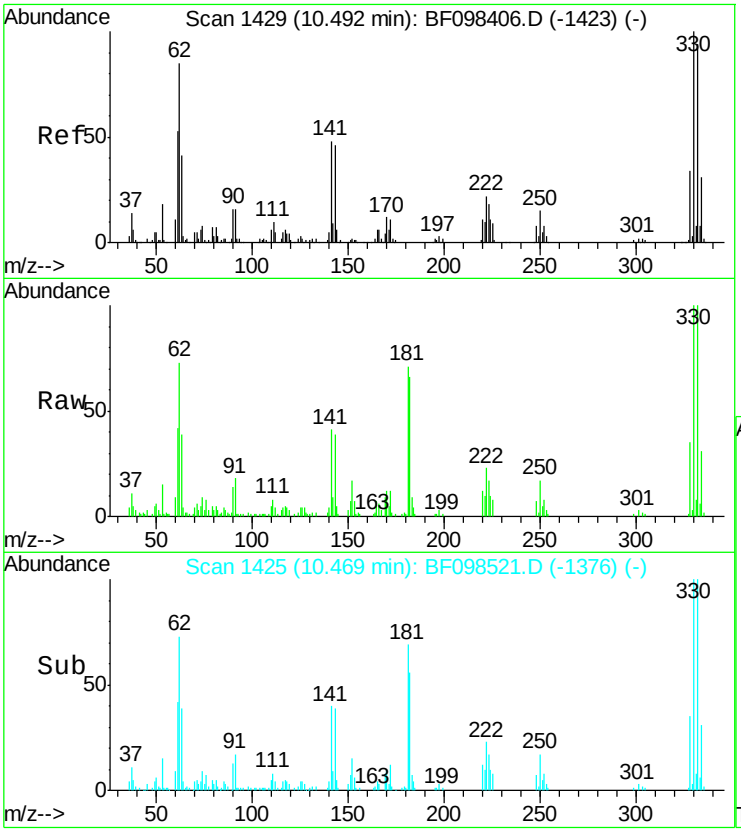


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:164 Resp: 277678

Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.6	123.8
160	47.0	36.2	54.2





#41
2,4,6-Tribromophenol
Concen: 23.155 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:330 Resp: 42912

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	115.0
141	49.3	31.4	47.2#

Instrument :
BNA_F
ClientSampleId :
G-1DL

Manual Integrations APPROVED
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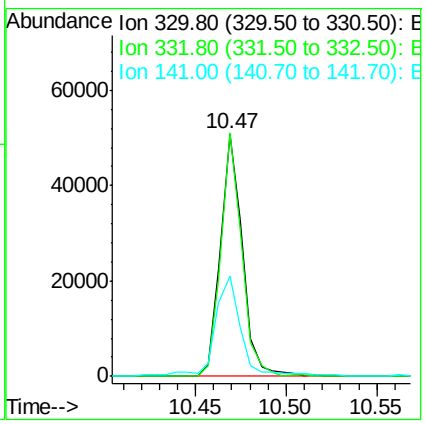
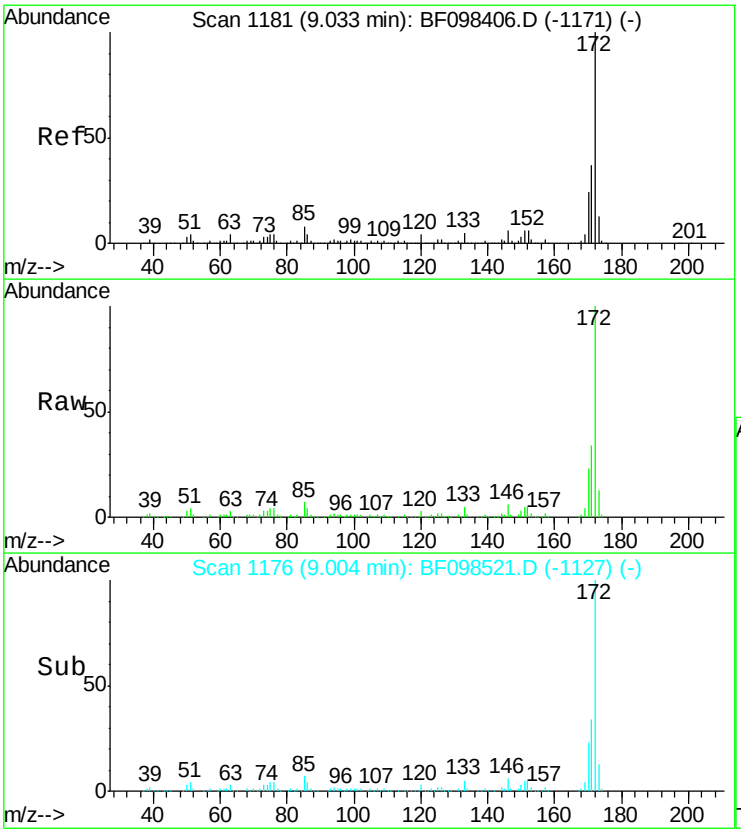
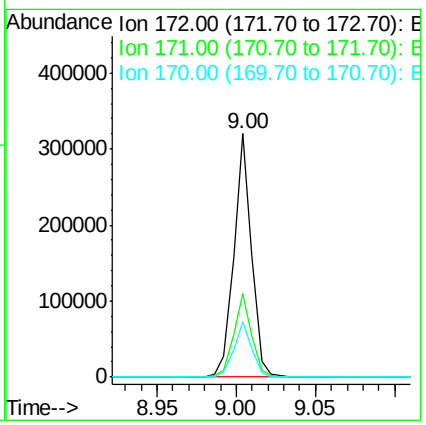


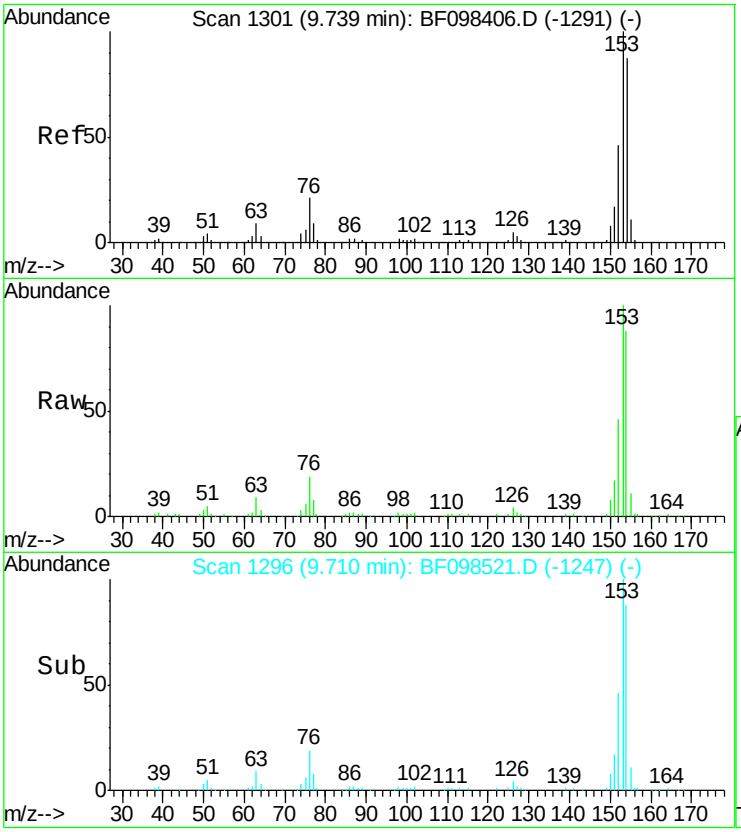


#44
2-Fluorobiphenyl
Concen: 15.172 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:172 Resp: 248570

Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	22.8	19.8	29.8

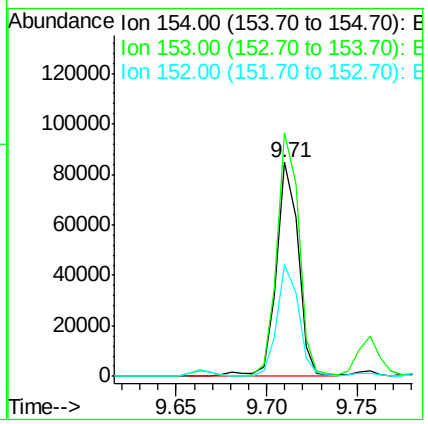




#51
Acenaphthene
Concen: 4.258 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:154 Resp: 71433

Ion	Ratio	Lower	Upper
154	100		
153	113.8	90.5	135.7
152	52.2	43.6	65.4



Instrument :
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ClientSampleId :
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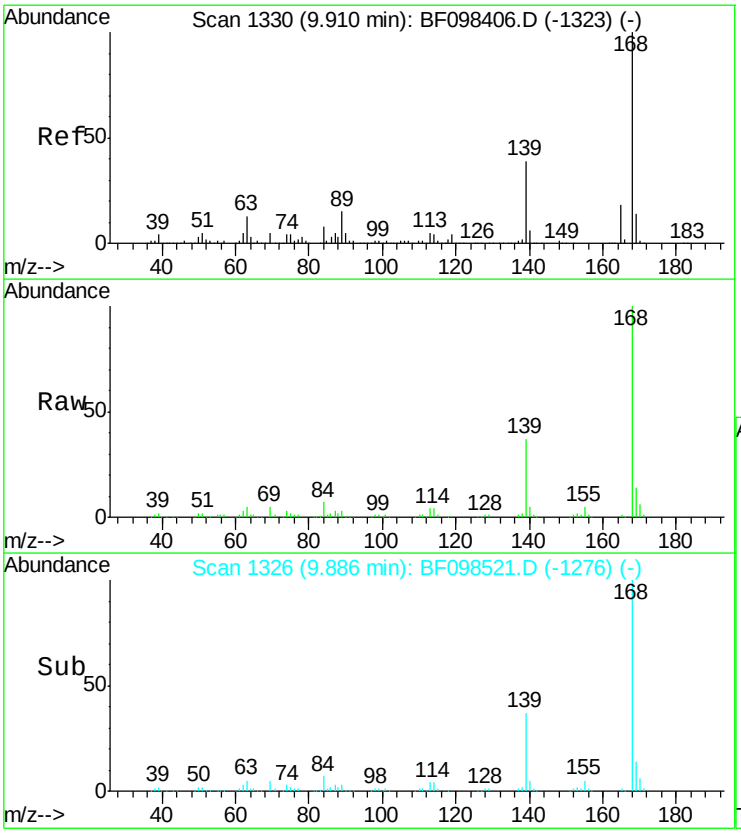
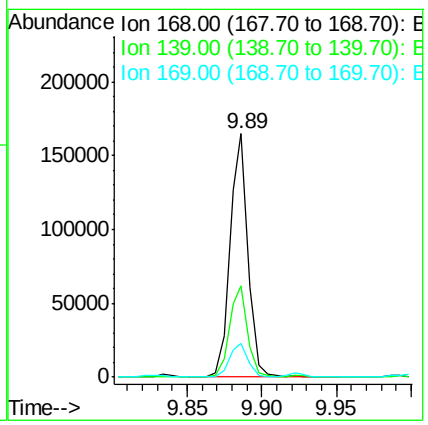
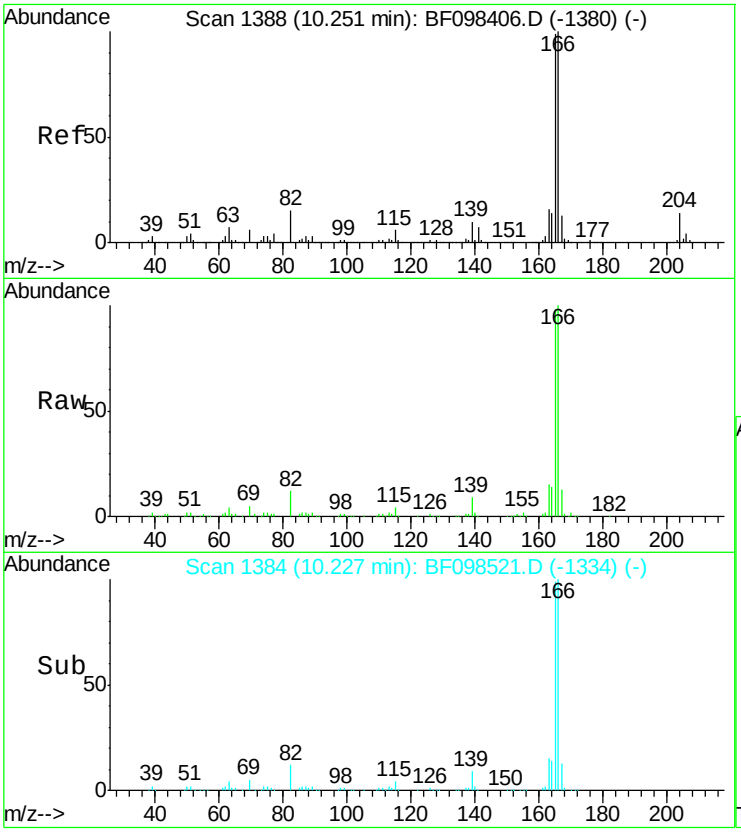


#54
Dibenzofuran
Concen: 6.366 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:168 Resp: 140705

Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.6	45.8
169	14.0	10.8	16.2

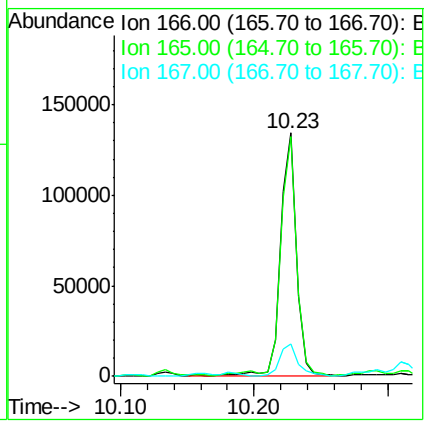




#57
Fluorene
Concen: 6.162 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:166 Resp: 112725

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.8	118.2
167	13.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
G-1DL

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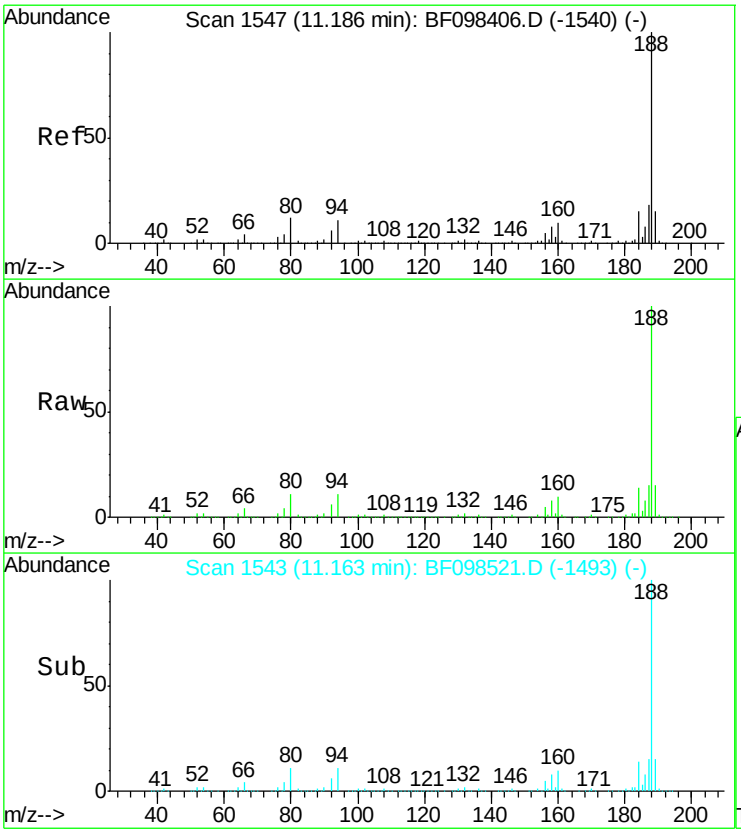
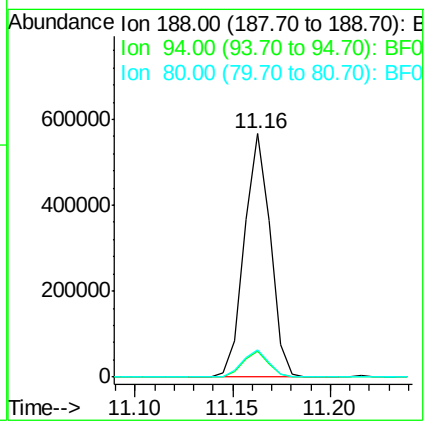
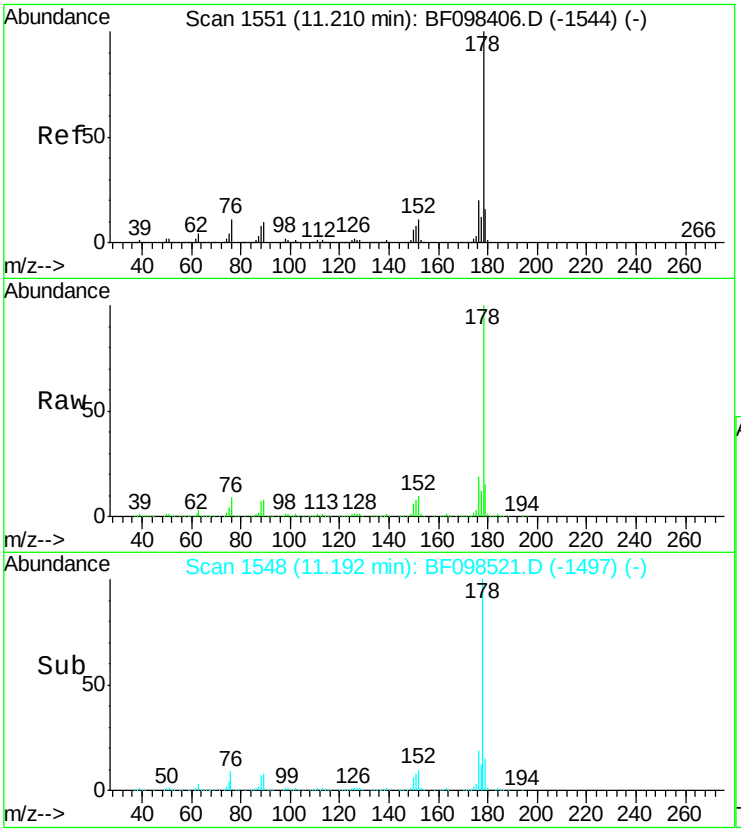


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:188 Resp: 521101

Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	11.0	10.2	15.2

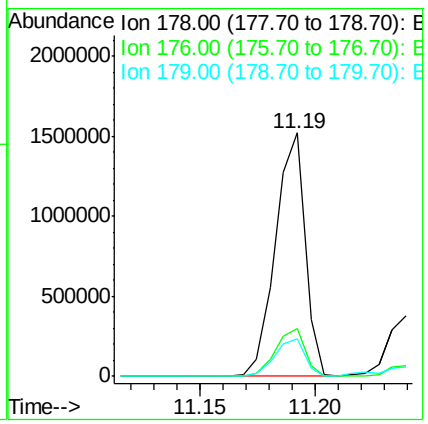




#70
Phenanthrene
Concen: 49.120 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

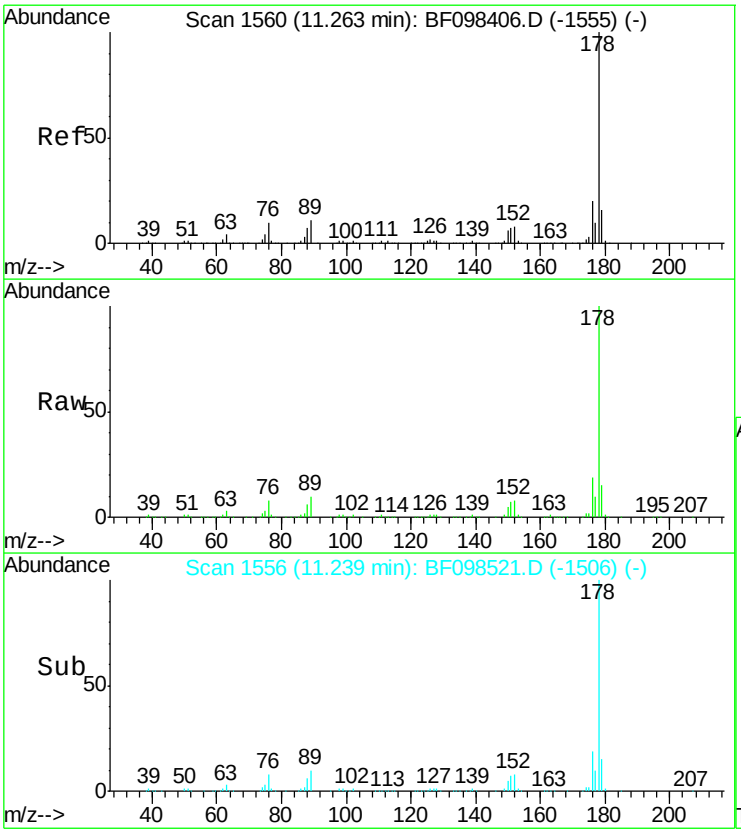
Tgt Ion:178 Resp: 1356945

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
G-1DL

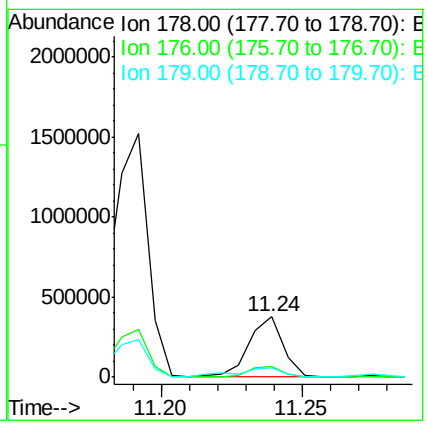
Manual Integrations APPROVED
Sohil
9/15/2017 5:43:29 PM

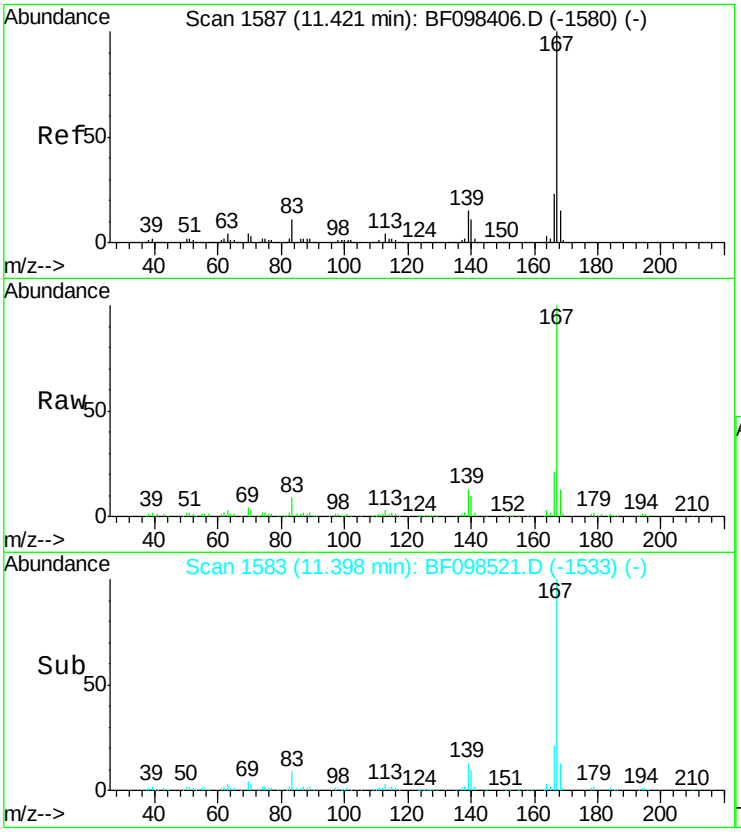


#71
Anthracene
Concen: 11.077 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:178 Resp: 314186

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.0	12.7	19.1

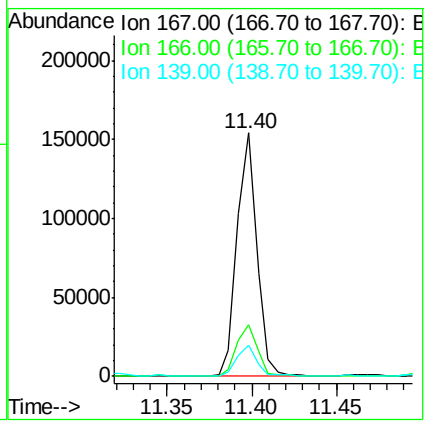




#72
Carbazole
Concen: 4.779 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:167 Resp: 126320

Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.1	27.1
139	13.0	11.7	17.5



Instrument :
BNA_F
ClientSampleId :
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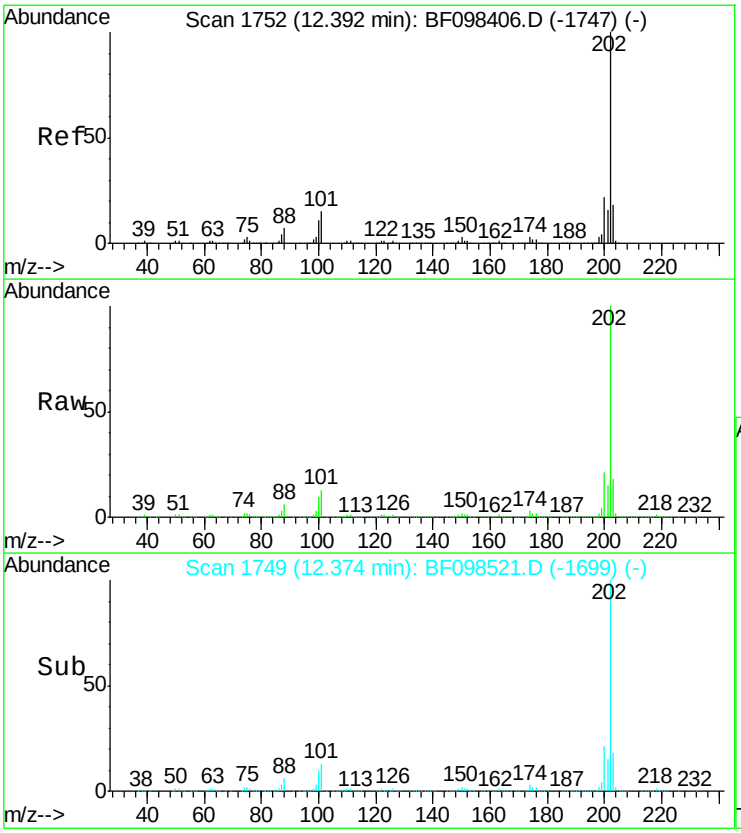
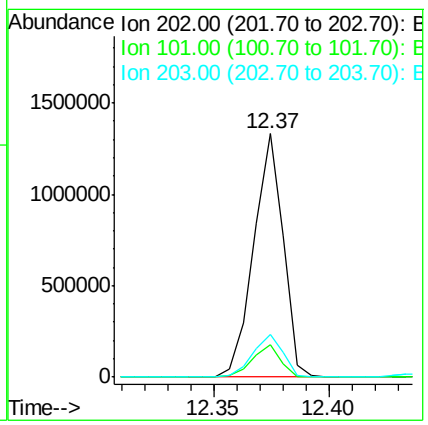
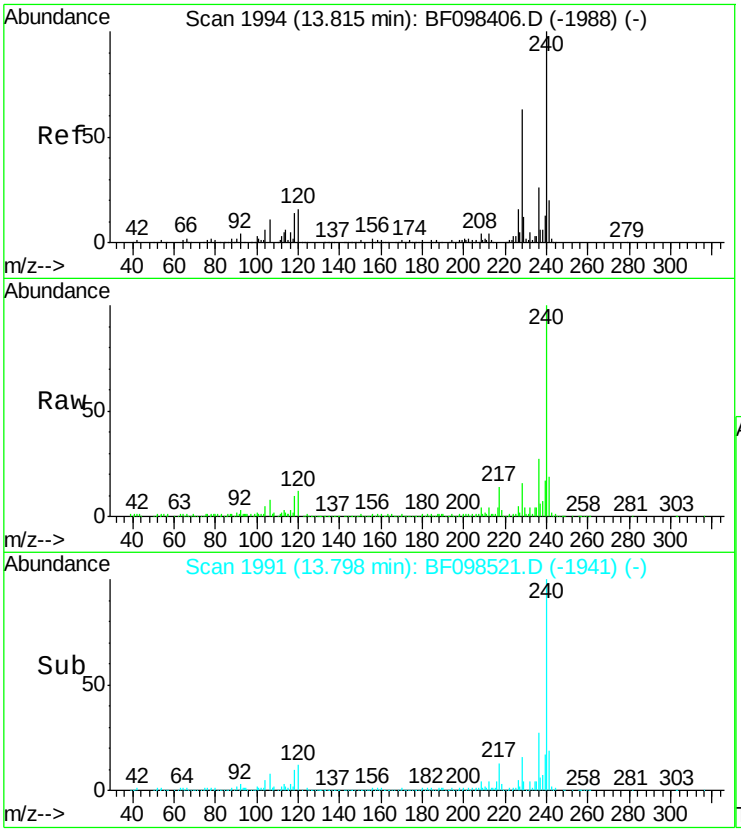


#74
Fluoranthene
Concen: 42.932 ng
RT: 12.37 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:202 Resp: 1187281

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.6	0.0	38.1

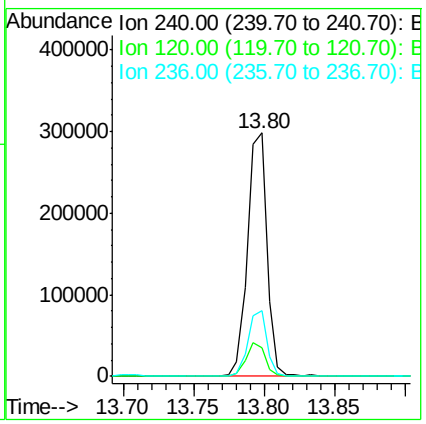




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:240 Resp: 290556

Ion	Ratio	Lower	Upper
240	100		
120	11.7	5.8	8.8#
236	26.8	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
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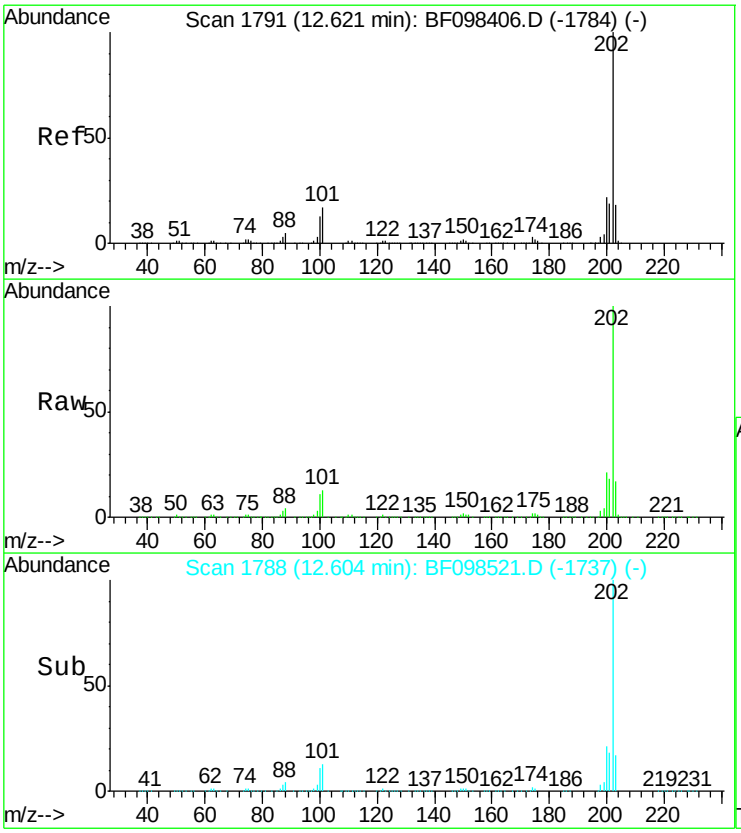
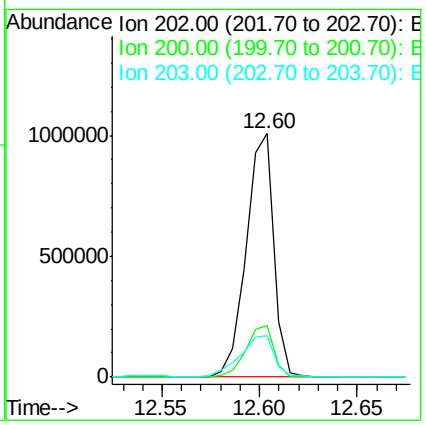
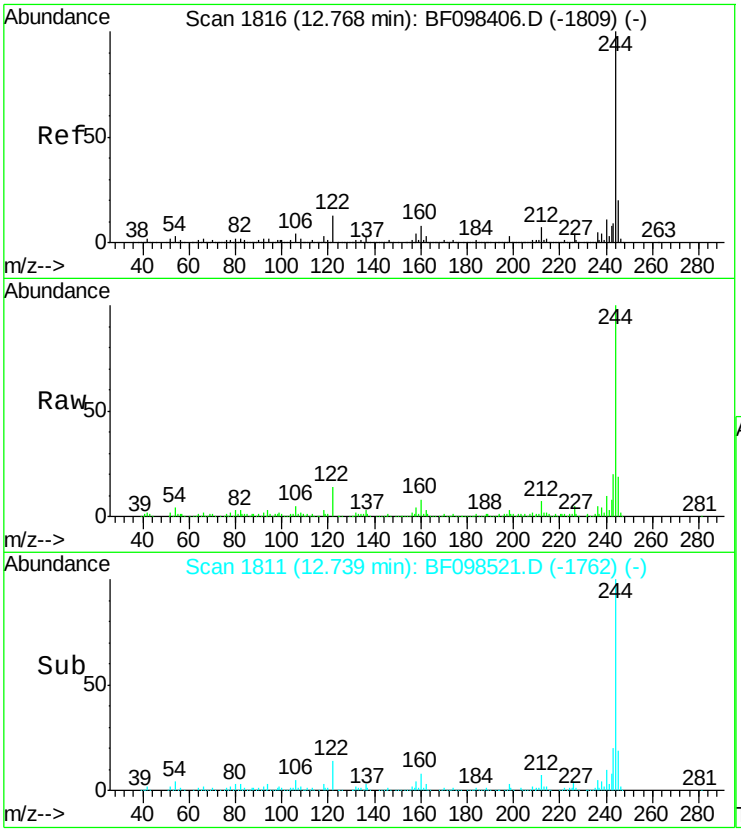


#77
Pyrene
Concen: 42.884 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:202 Resp: 982941

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.1	14.4	21.6

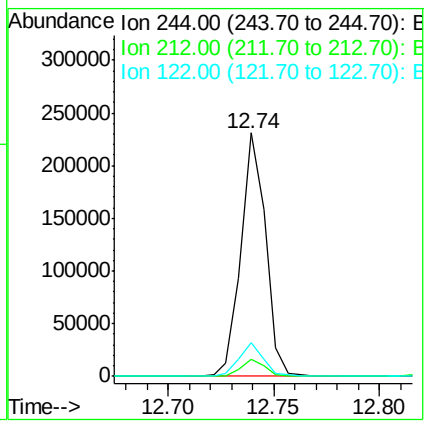




#78
Terphenyl-d14
Concen: 13.837 ng
RT: 12.74 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:244 Resp: 186266

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.8	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
G-1DL

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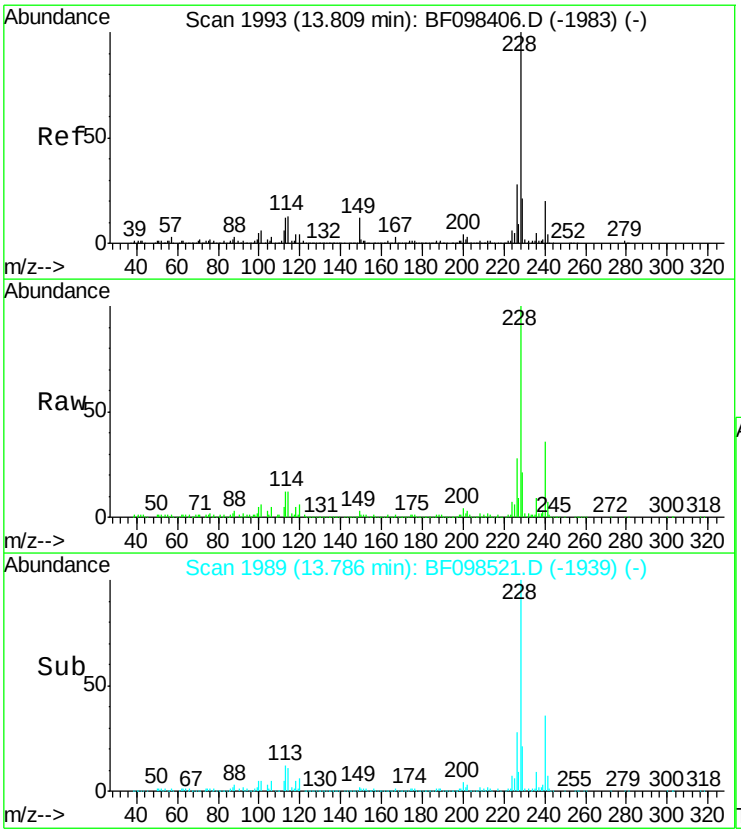
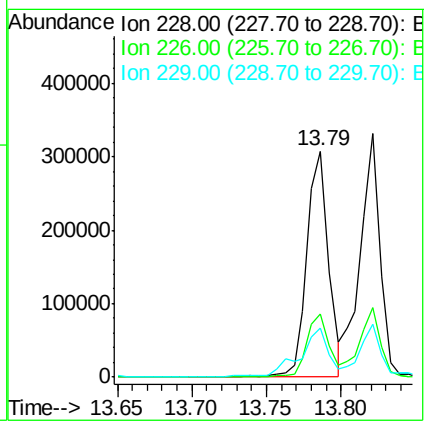
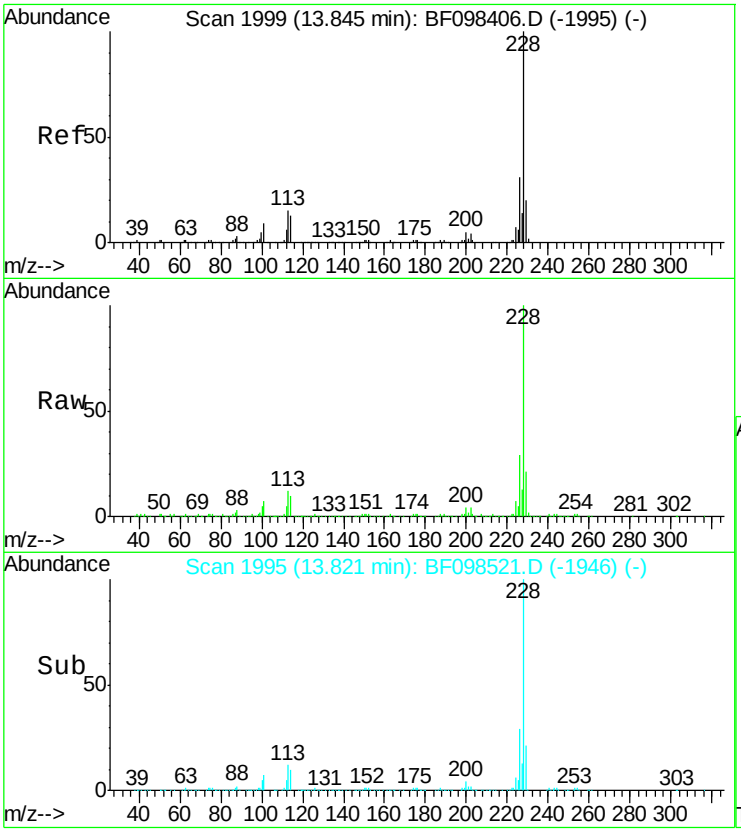


#80
Benzo(a)anthracene
Concen: 18.015 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:228 Resp: 306889

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	21.5	16.3	24.5

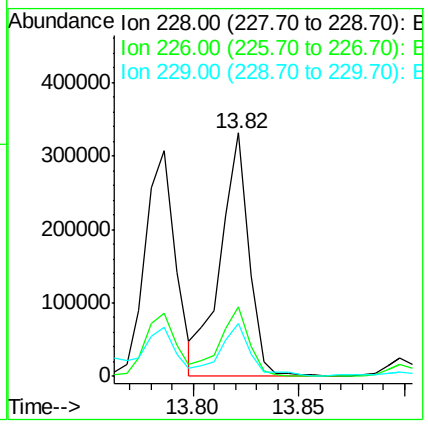




#82
Chrysene
Concen: 17.830 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:228 Resp: 307012

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.9	37.3
229	21.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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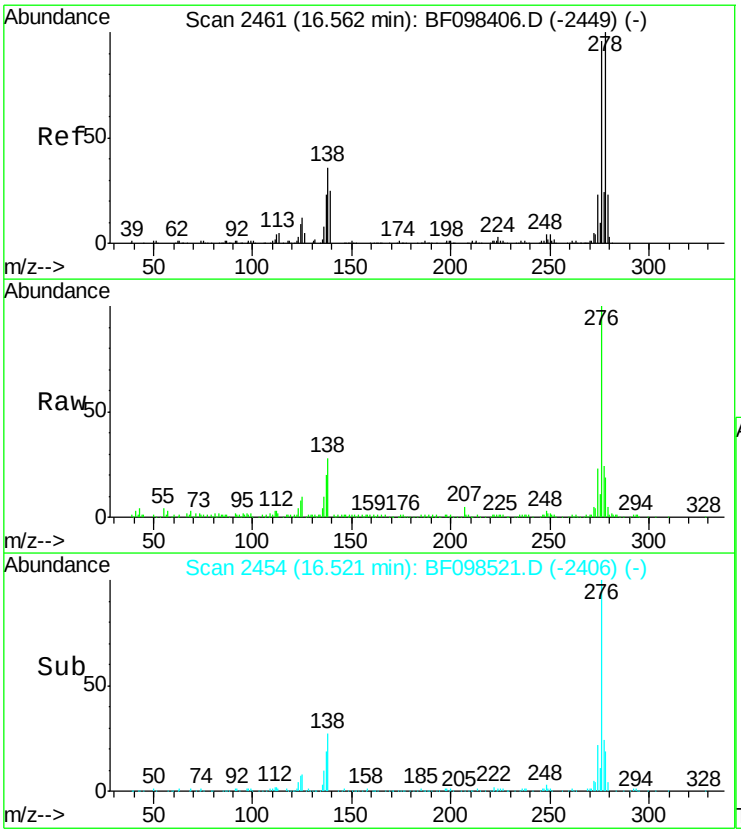
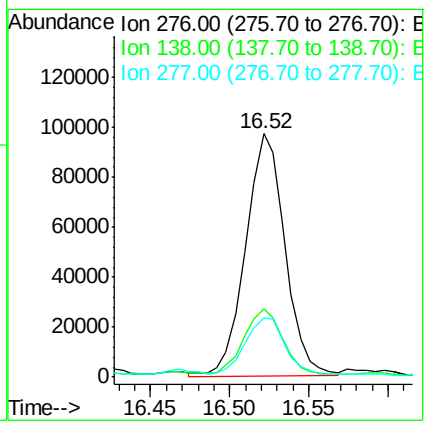
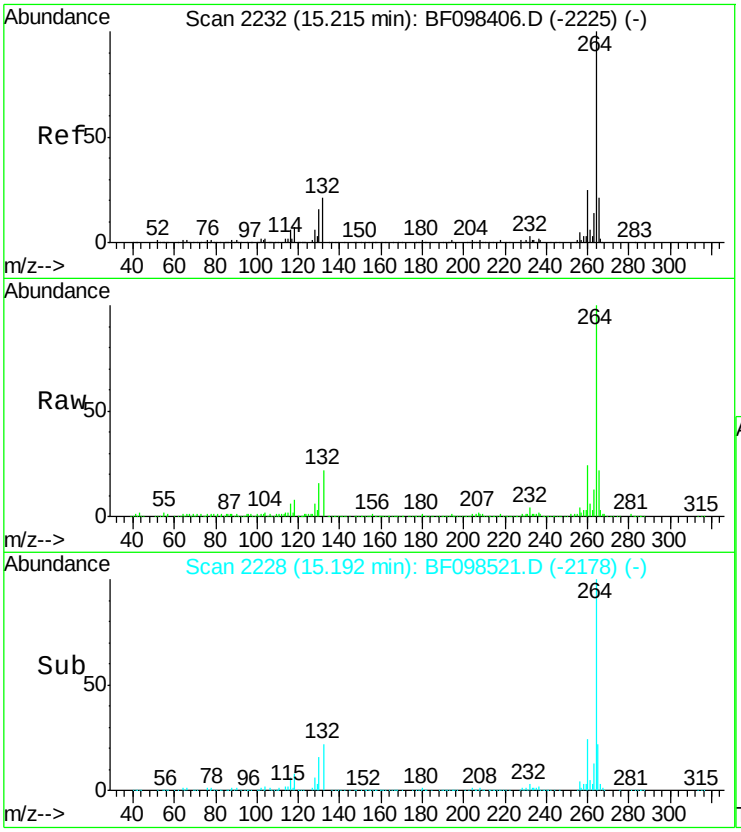


#85
Indeno(1,2,3-cd)pyrene
Concen: 13.871 ng
RT: 16.52 min Scan# 2454
Delta R.T. -0.02 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:276 Resp: 167575

Ion	Ratio	Lower	Upper
276	100		
138	29.1	27.8	41.6
277	23.8	20.2	30.4

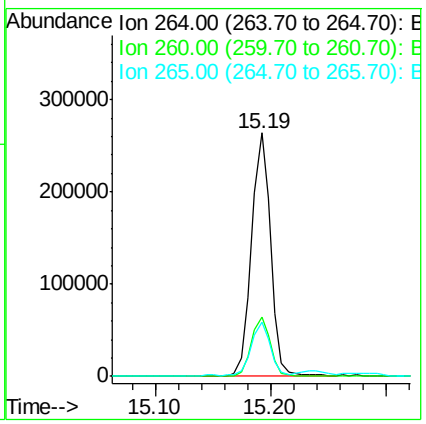




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:264 Resp: 306353

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.3	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
G-1DL

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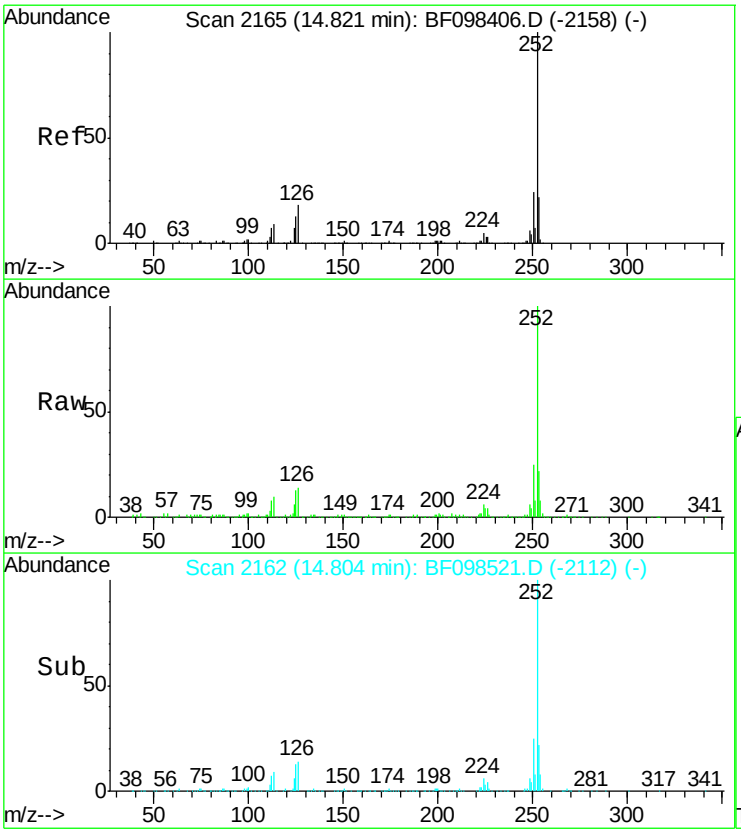
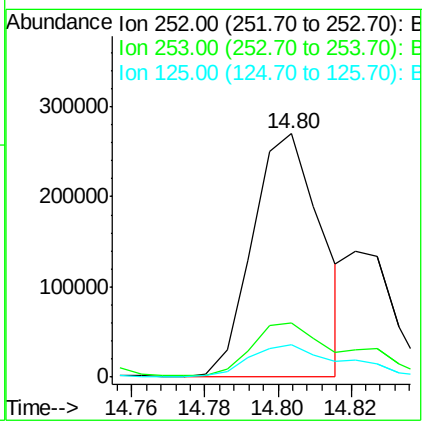
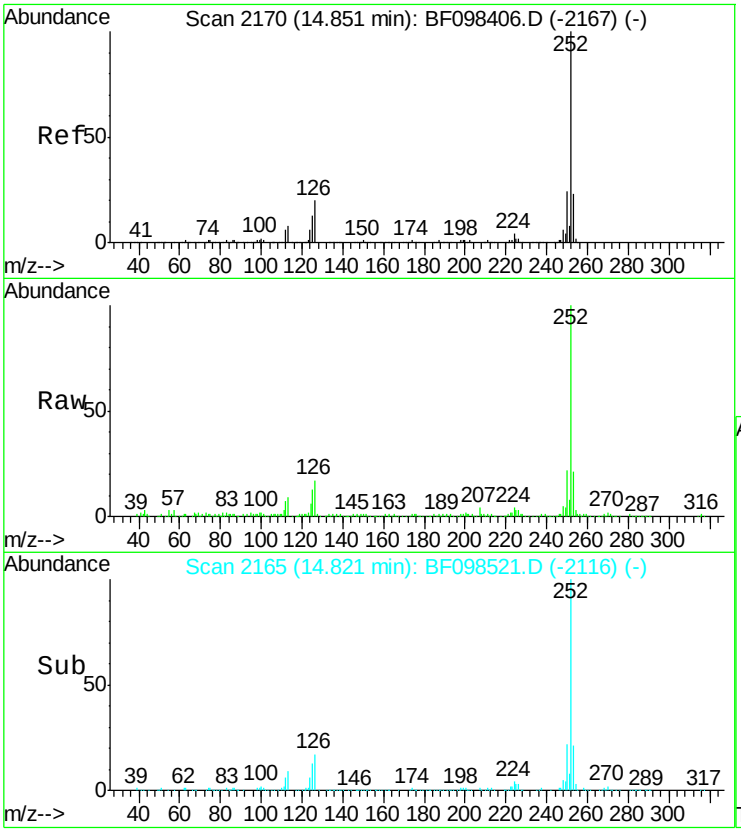


#87
Benzo(b)fluoranthene
Concen: 18.298 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:252 Resp: 352471

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	13.4	9.8	14.8

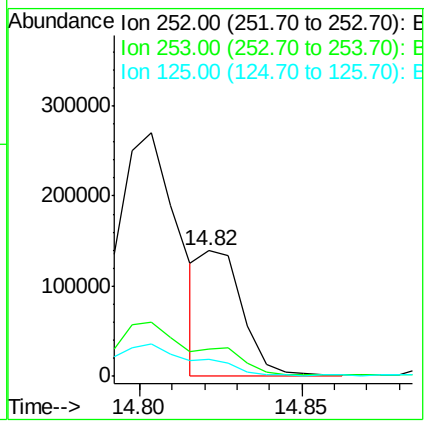




#88
Benzo(k)fluoranthene
Concen: 6.962 ng m
RT: 14.82 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:252 Resp: 125193

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.4	27.6
125	13.2	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
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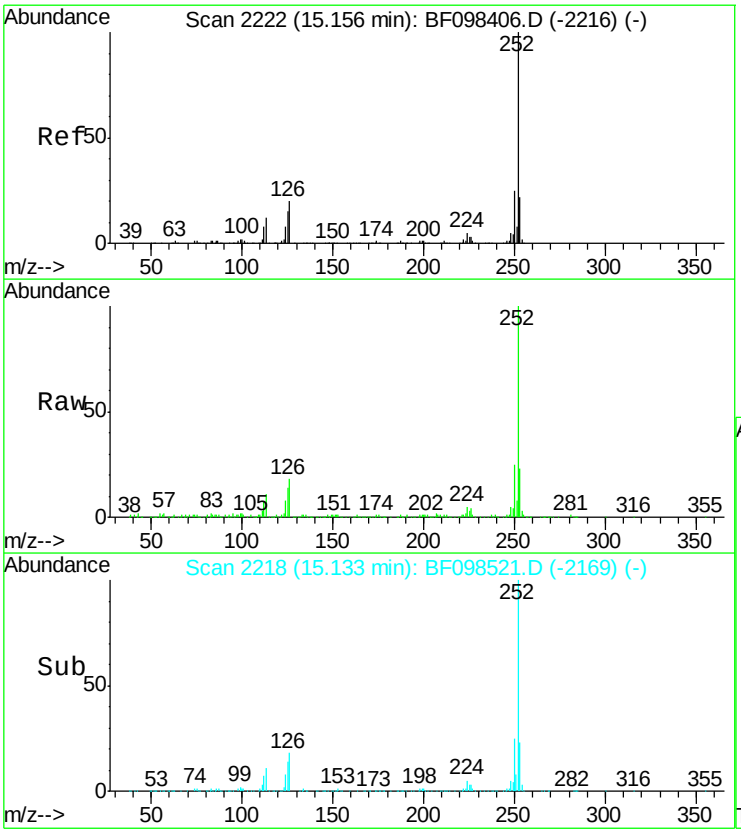
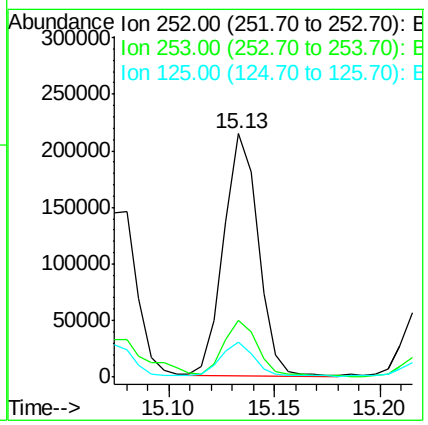
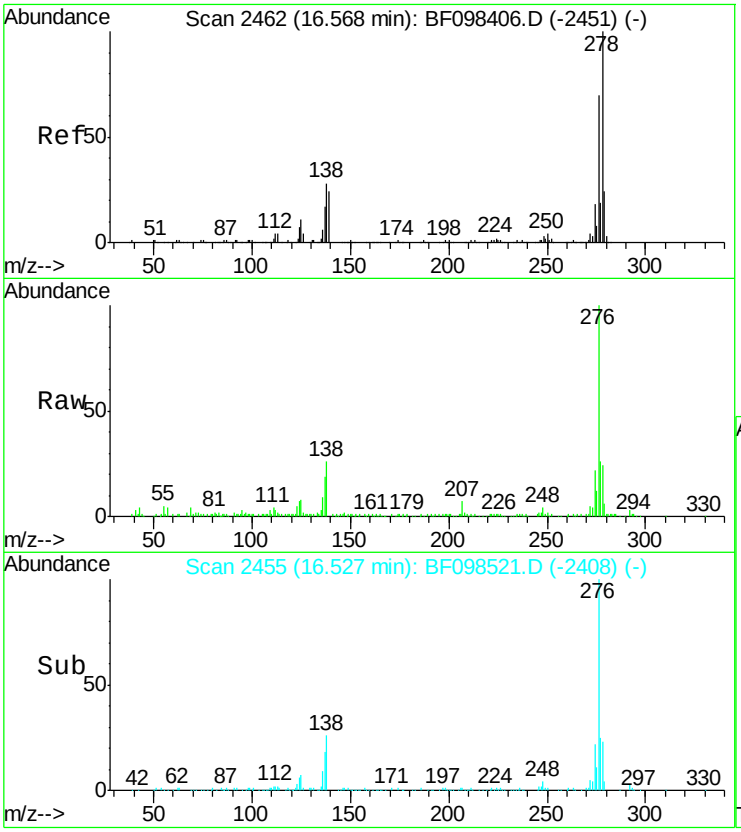


#89
Benzo(a)pyrene
Concen: 14.156 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:252 Resp: 242929

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	14.5	11.0	16.4

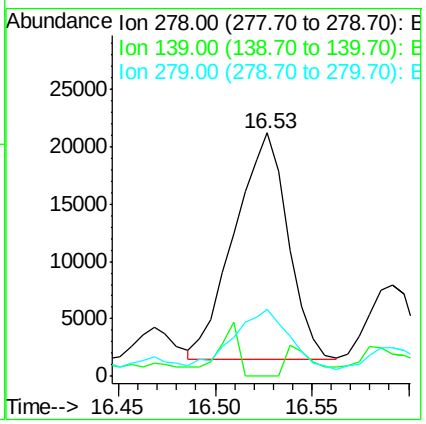




#90
Dibenzo(a,h)anthracene
Concen: 3.064 ng m
RT: 16.53 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:278 Resp: 38252

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	27.5	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
G-1DL

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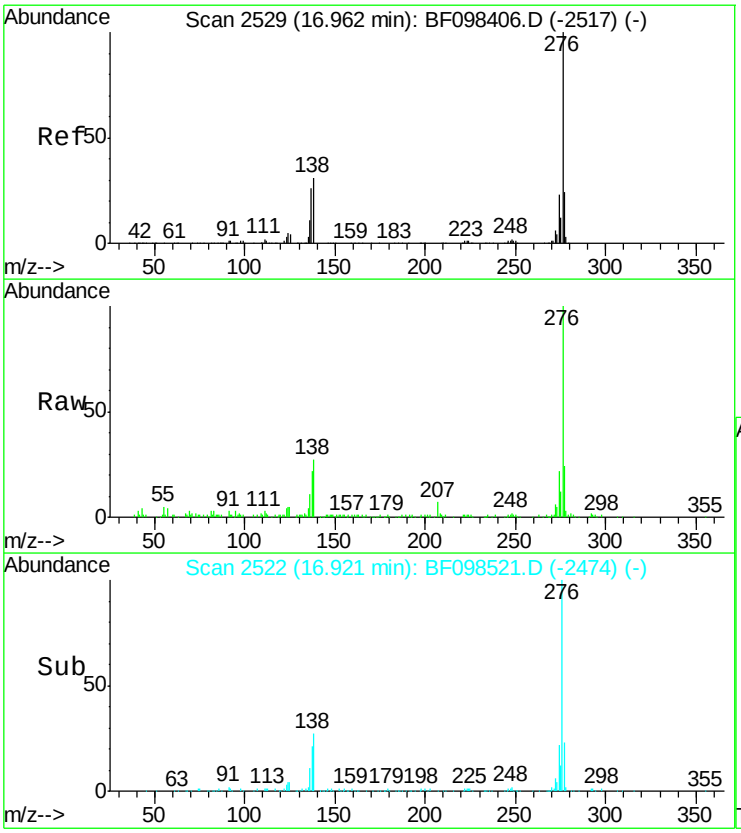

#91
Benzo(g,h,i)perylene
Concen: 13.129 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.02 min
Lab File: BF098521.D
Acq: 14 Sep 2017 11:30

Tgt Ion:276 Resp: 164847

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	27.3	25.4	38.0