Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099193.D
Acq On : 7 Oct 2017 14:42
Operator : SJ/JU
Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

Manual Integrations APPROVED
Sohil
10/9/2017 6:33:59 PM

Quant Time: Oct 08 04:20:53 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Oct 08 03:54:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	135874	20.00	ng		0.00
21) Naphthalene-d8	8.15	136	533577	20.00	ng		0.00
38) Acenaphthene-d10	9.90	164	220164	20.00	ng		0.00
63) Phenanthrene-d10	11.39	188	314324	20.00	ng		0.00
75) Chrysene-d12	14.03	240	205719	20.00	ng		0.00
86) Perylene-d12	15.52	264	197526	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	899598	105.40	ng		0.01
7) Phenol-d6	6.50	99	1107322	105.17	ng		0.00
23) Nitrobenzene-d5	7.43	82	691345	83.09	ng		0.00
41) 2,4,6-Tribromophenol	10.69	330	170173	94.46	ng		0.00
44) 2-Fluorobiphenyl	9.22	172	1180805	89.54	ng		0.00
78) Terphenyl-d14	12.97	244	737641	81.55	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.51	94	36162	3.071	ng		81
31) Naphthalene	8.17	128	173193	6.911	ng		97
37) 2-Methylnaphthalene	8.86	142	143980	8.838	ng		99
48) Acenaphthylene	9.76	152	115906	5.329	ng		99
49) Dimethylphthalate	9.61	163	232762	14.008	ng		99
54) Dibenzofuran	10.10	168	70177	3.826	ng		97
70) Phenanthrene	11.42	178	647899	38.508	ng		98
71) Anthracene	11.46	178	179397	10.421	ng		98
72) Carbazole	11.62	167	104090	6.174	ng		99
74) Fluoranthene	12.61	202	1212825	71.187	ng		99
77) Pyrene	12.84	202	1053354	67.149	ng		100
80) Benzo(a)anthracene	14.02	228	638902	51.289	ng		97
82) Chrysene	14.06	228	654773	55.211	ng		98
85) Indeno(1,2,3-cd)pyrene	17.01	276	387080	40.802	ng		97
87) Benzo(b)fluoranthene	15.09	252	977878m	80.519	ng		
88) Benzo(k)fluoranthene	15.11	252	233609m	19.475	ng		
89) Benzo(a)pyrene	15.46	252	537220	48.190	ng	#	95
90) Dibenzo(a,h)anthracene	17.01	278	91170	10.219	ng	#	77
91) Benzo(g,h,i)perylene	17.46	276	373872	42.394	ng		96

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

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Manual Integrations APPROVED
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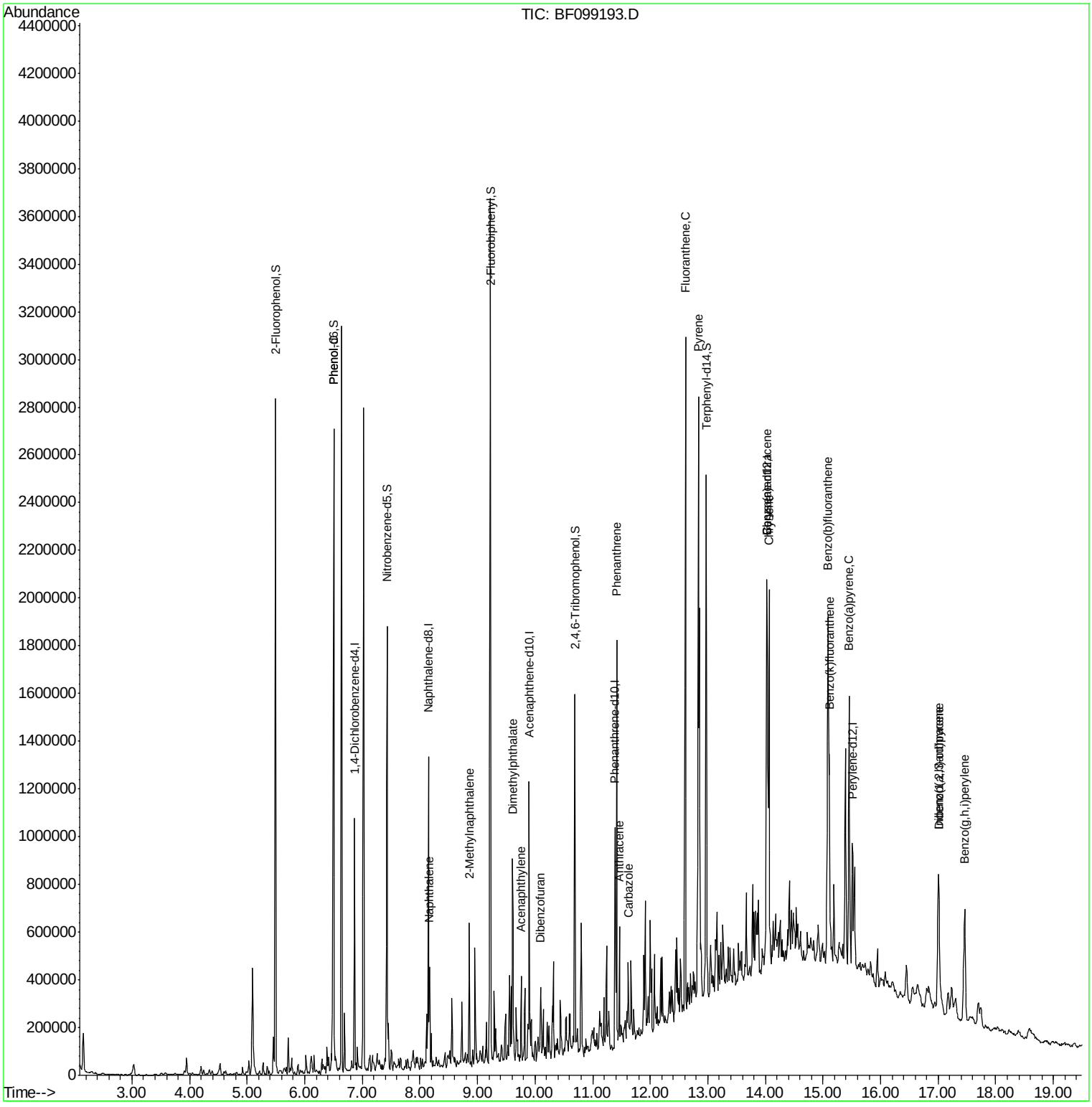
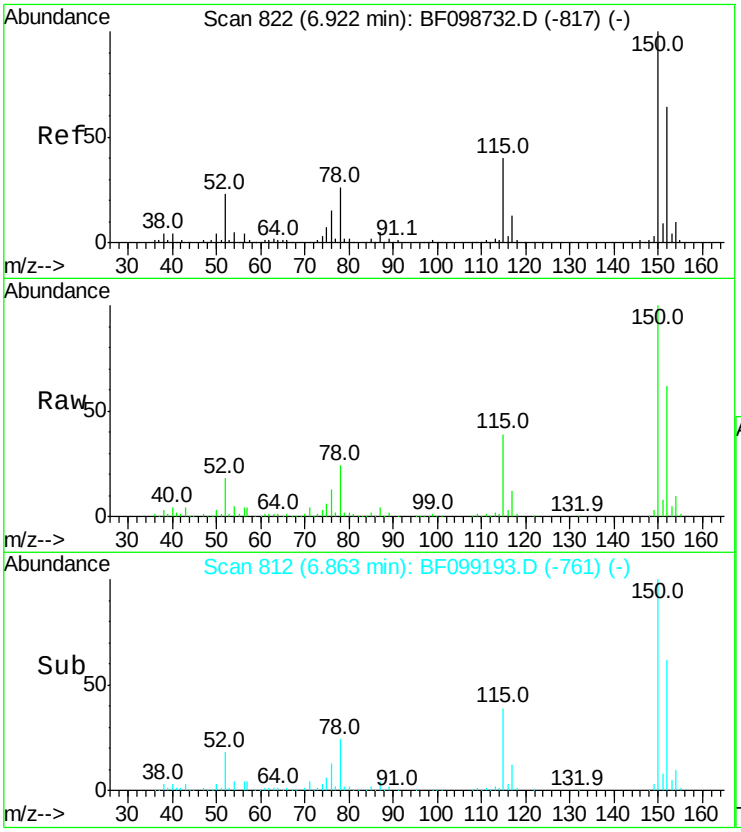
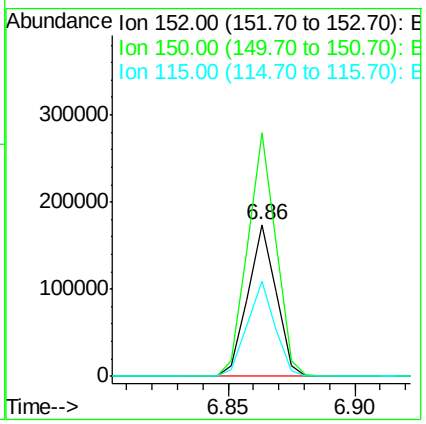




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:152 Resp: 135874

Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	62.6	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

Manual Integrations APPROVED
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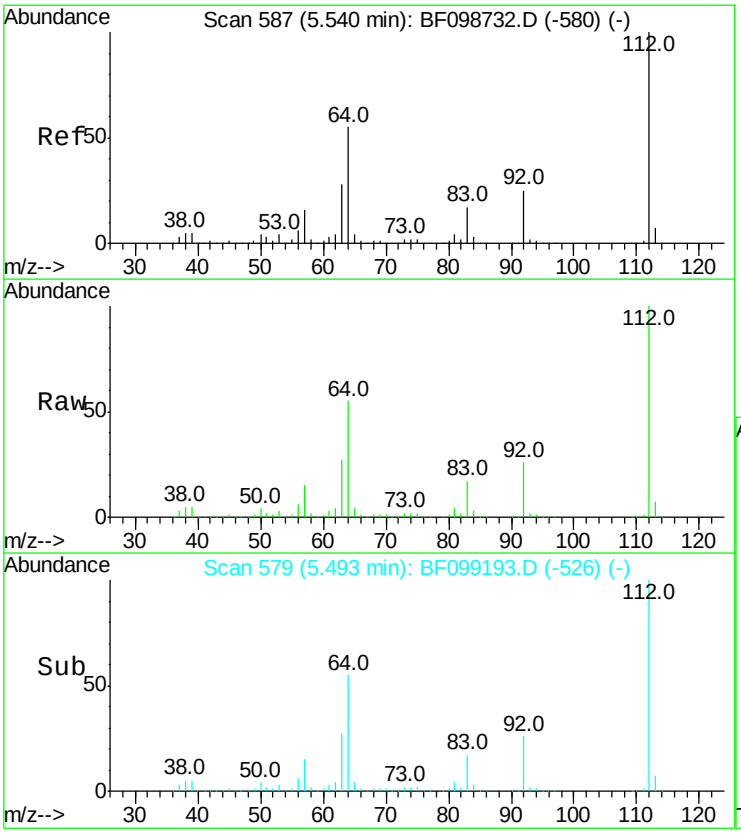
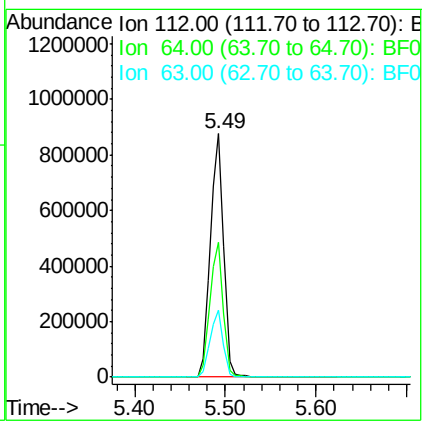
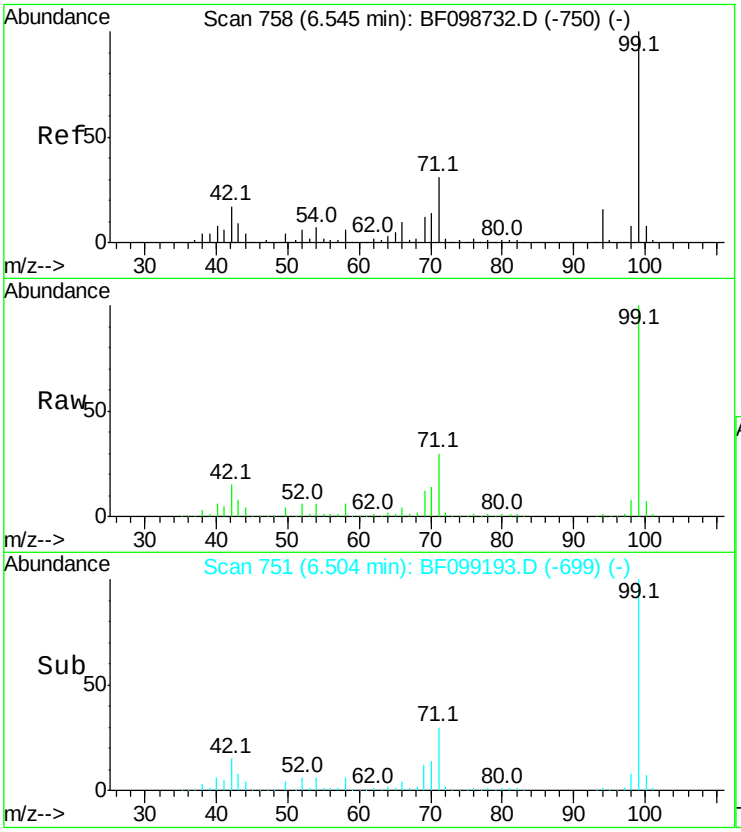


#5
2-Fluorophenol
Concen: 105.397 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:112 Resp: 899598

Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	27.3	23.7	35.5

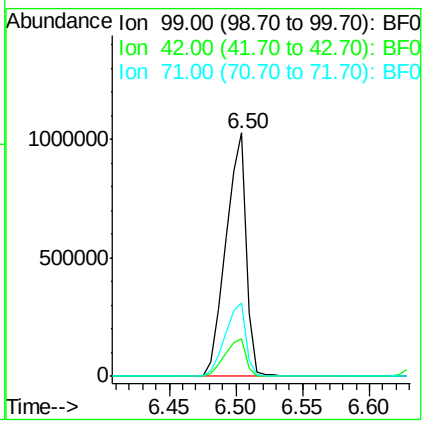




#7
Phenol-d6
Concen: 105.166 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion: 99 Resp: 1107322

Ion	Ratio	Lower	Upper
99	100		
42	15.4	14.5	21.7
71	30.4	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

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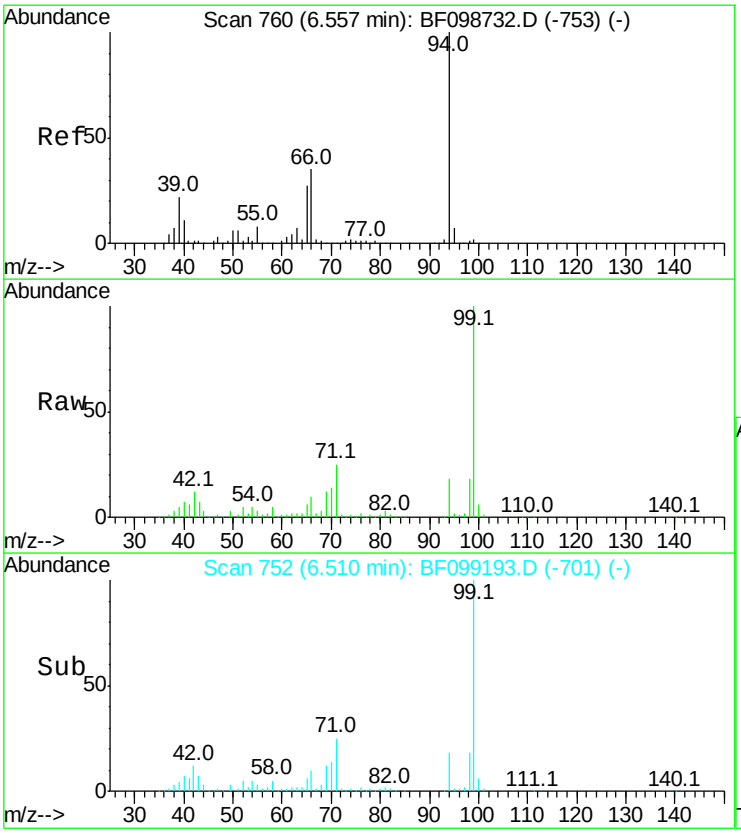
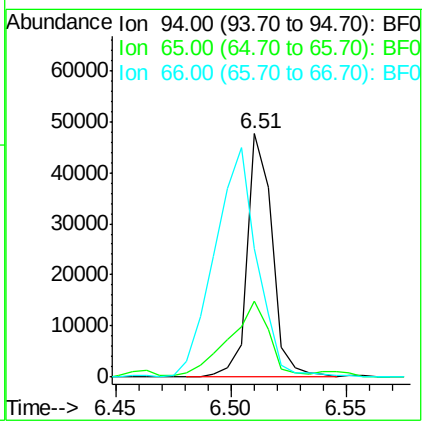
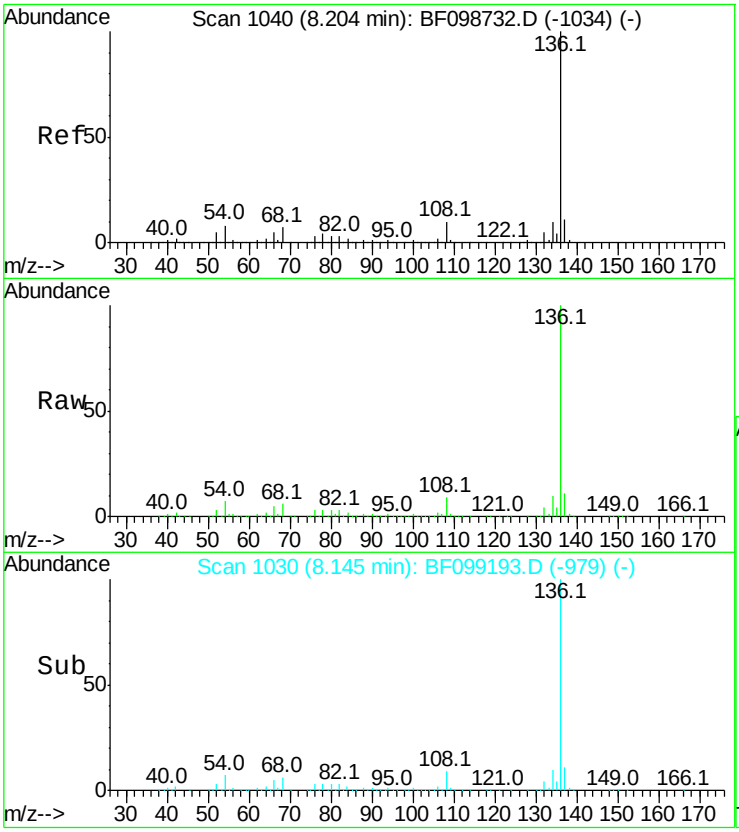


#10
Phenol
Concen: 3.071 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion: 94 Resp: 36162

Ion	Ratio	Lower	Upper
94	100		
65	31.5	7.9	47.9
66	52.9	16.2	56.2

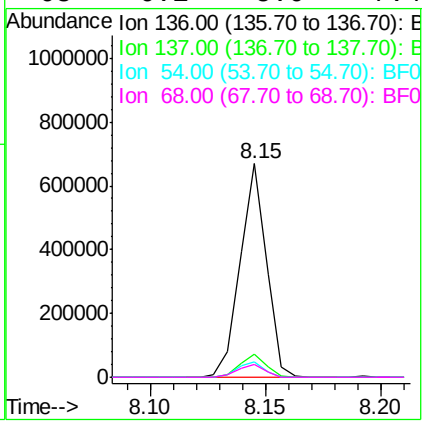




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:136 Resp: 533577

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.4	6.6	9.8
68	6.1	5.0	7.4



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

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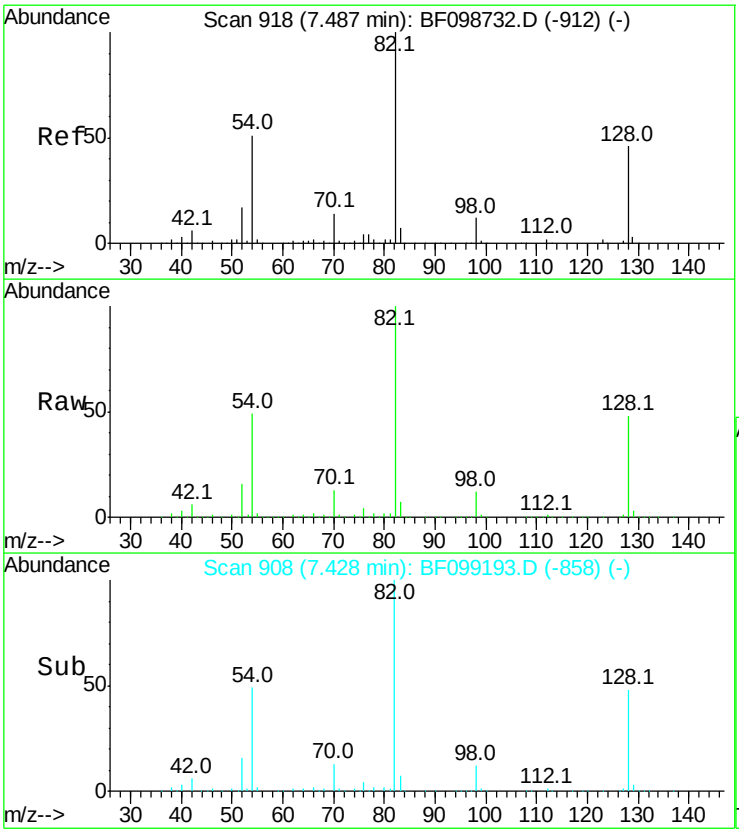
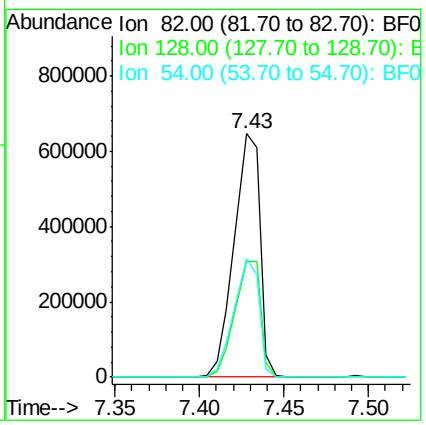
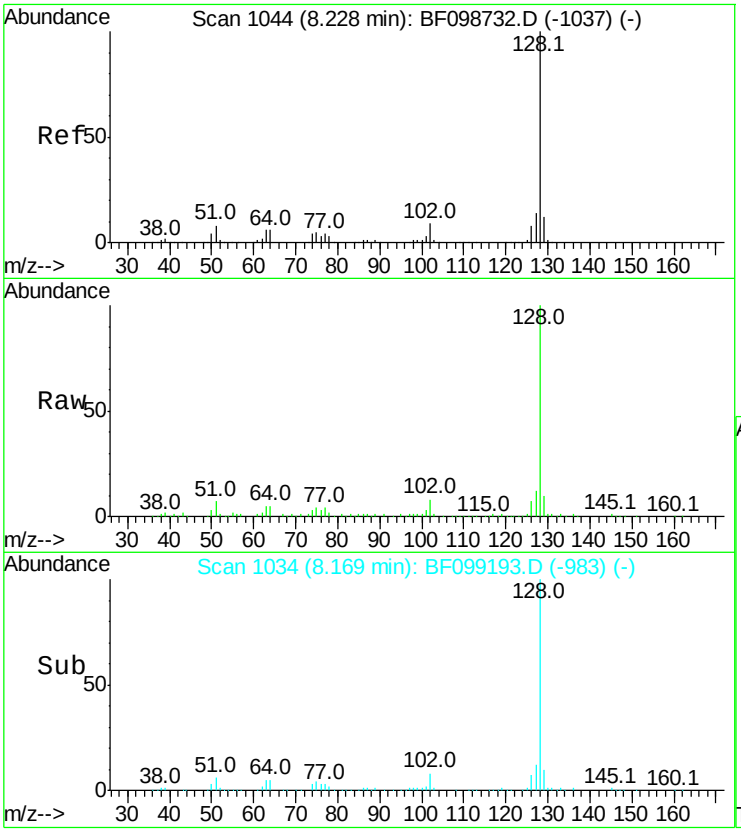


#23
Nitrobenzene-d5
Concen: 83.092 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion: 82 Resp: 691345

Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	48.7	41.4	62.2

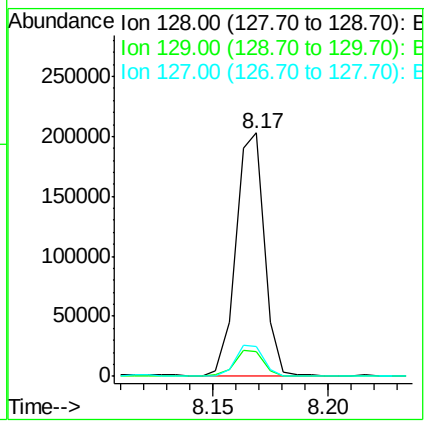




#31
Naphthalene
Concen: 6.911 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:128 Resp: 173193

Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	12.3	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

Manual Integrations APPROVED
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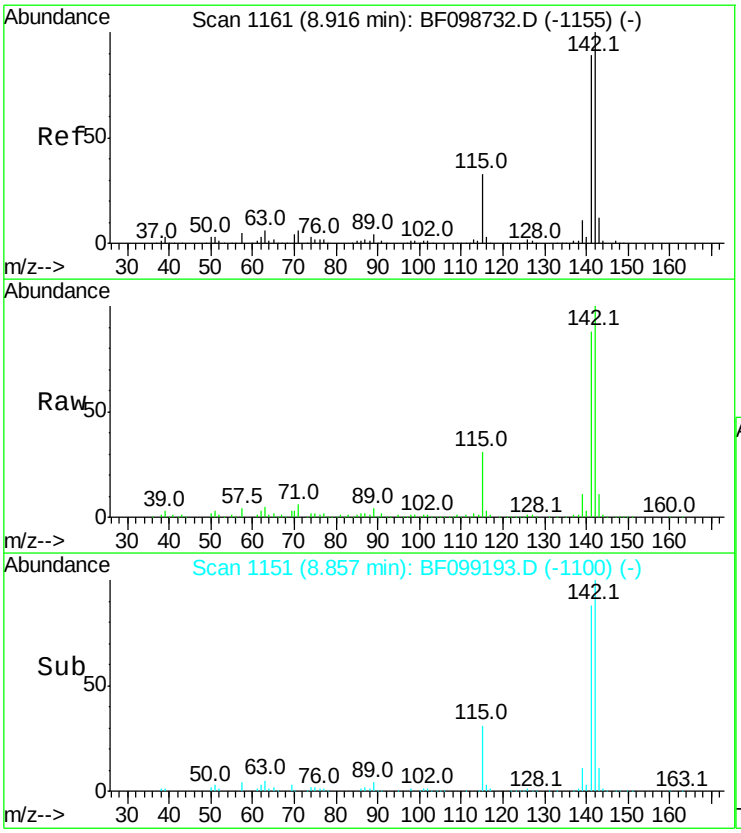
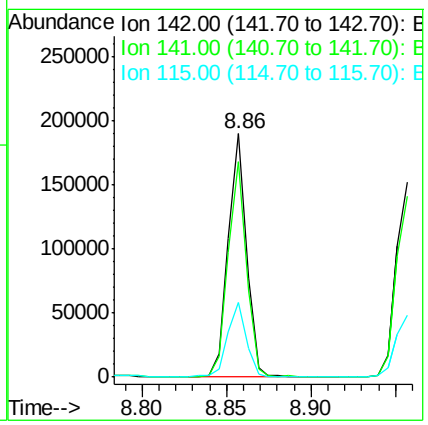
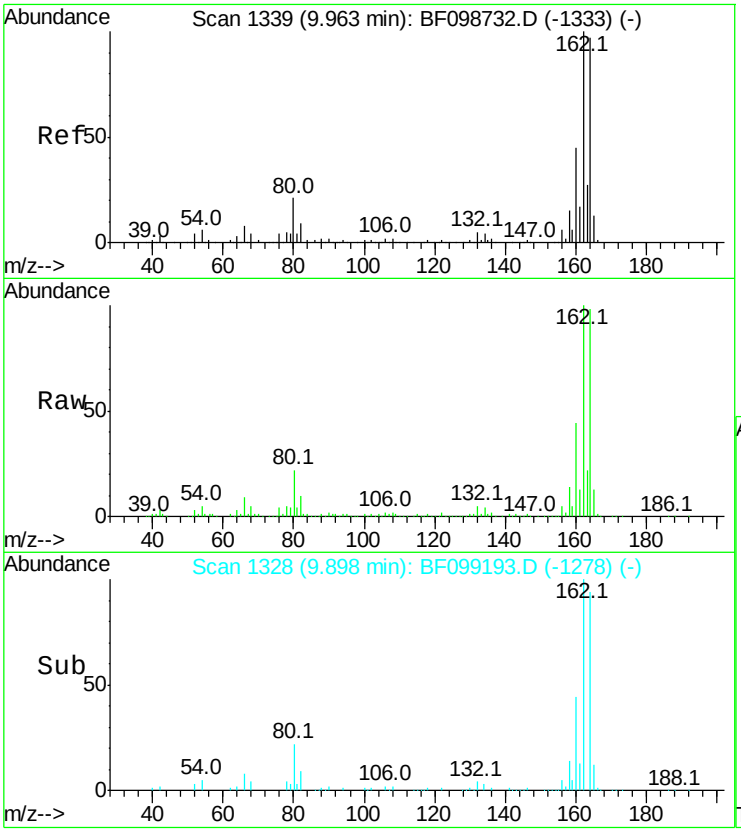


#37
2-Methylnaphthalene
Concen: 8.838 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:142 Resp: 143980

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.8	106.2
115	30.7	26.1	39.1

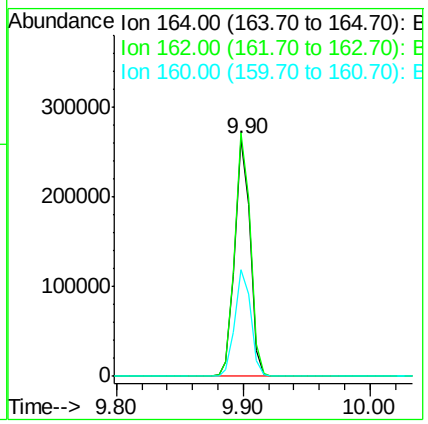




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:164 Resp: 220164

Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	44.7	38.3	57.5



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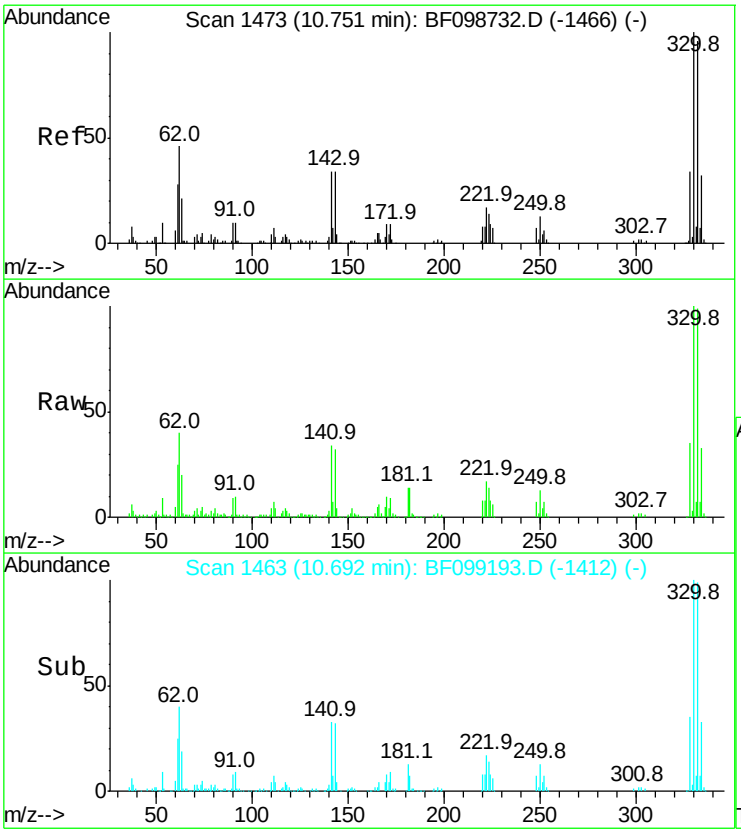
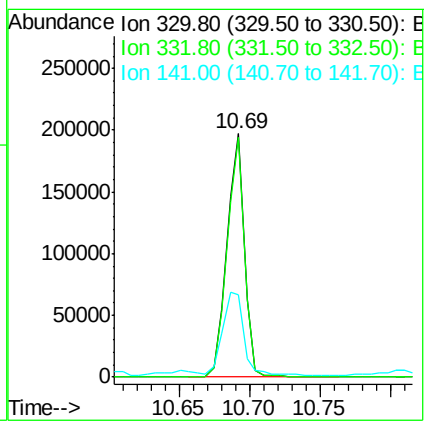
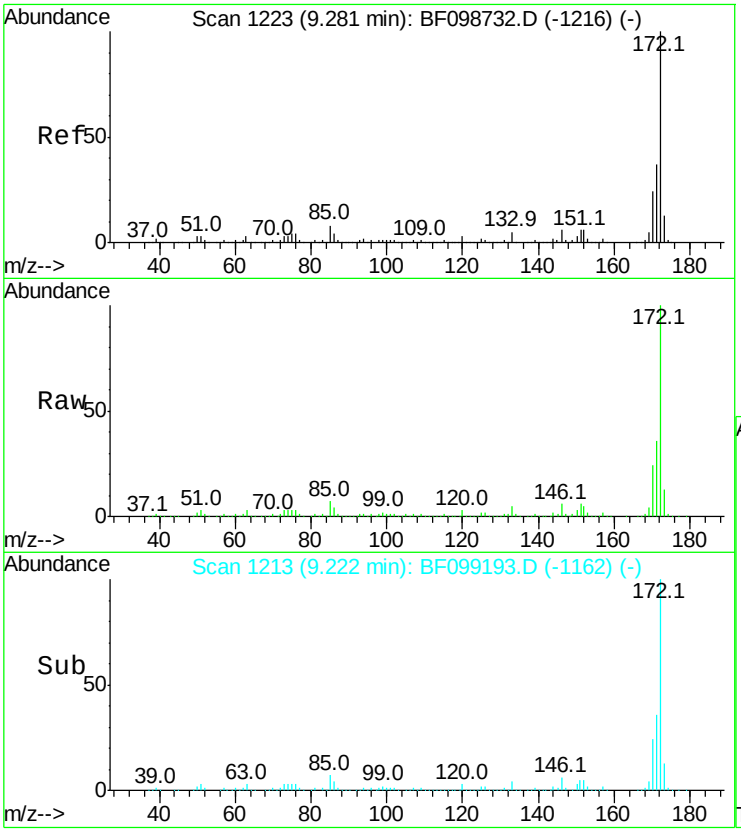


#41
2,4,6-Tribromophenol
Concen: 94.460 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:330 Resp: 170173

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.0	115.6
141	42.7	29.9	44.9

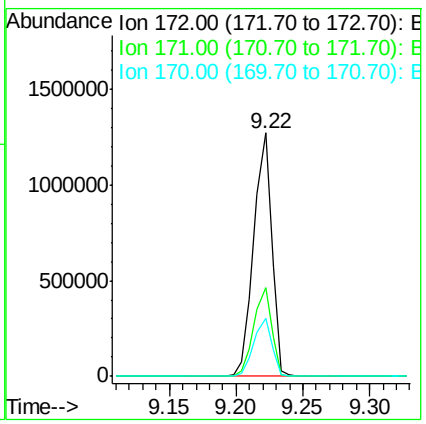




#44
2-Fluorobiphenyl
Concen: 89.536 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:172 Resp: 1180805

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.9	19.6	29.4



Instrument :
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ClientSampleId :
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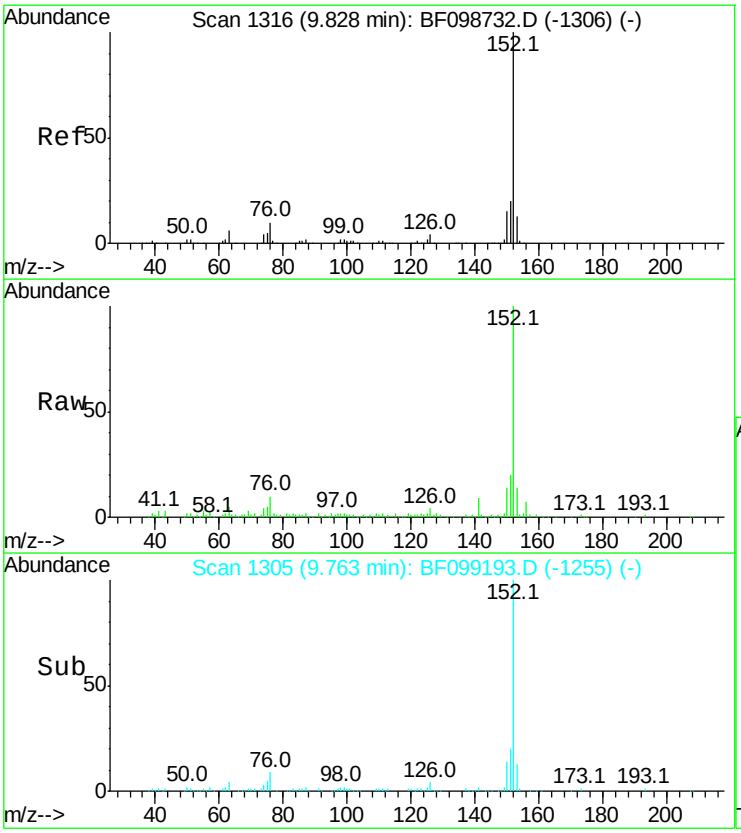
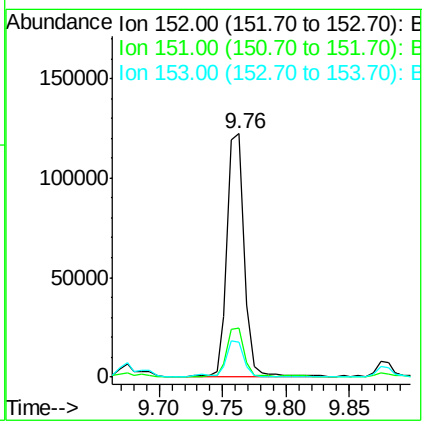
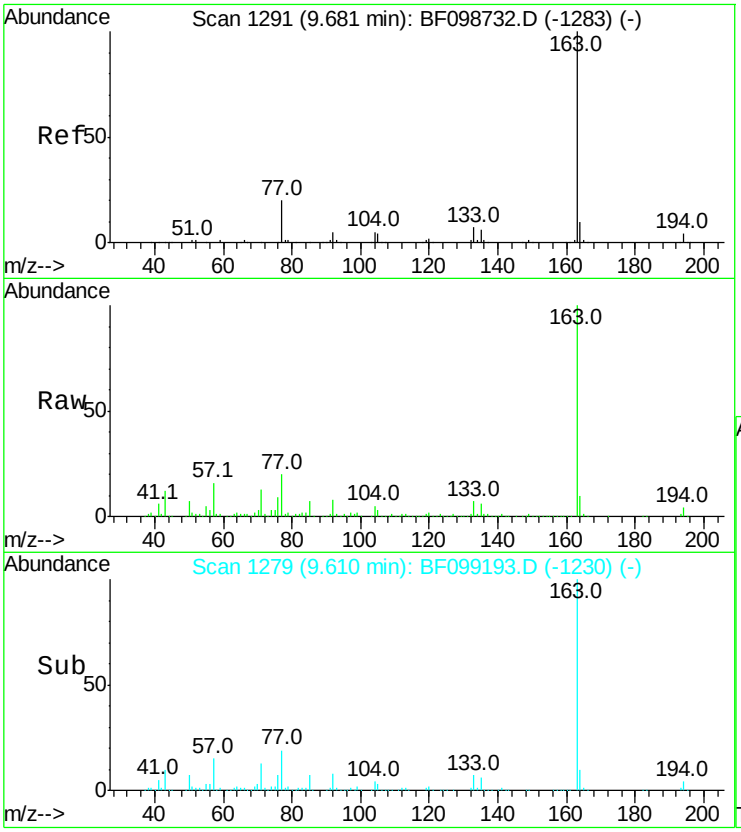


#48
Acenaphthylene
Concen: 5.329 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:152 Resp: 115906

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	14.2	10.7	16.1

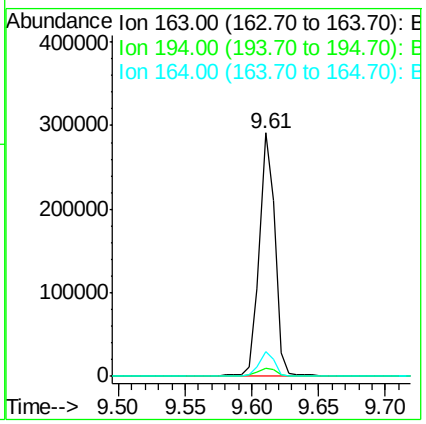




#49
Dimethylphthalate
Concen: 14.008 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:163 Resp: 232762

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.9	8.2	12.2



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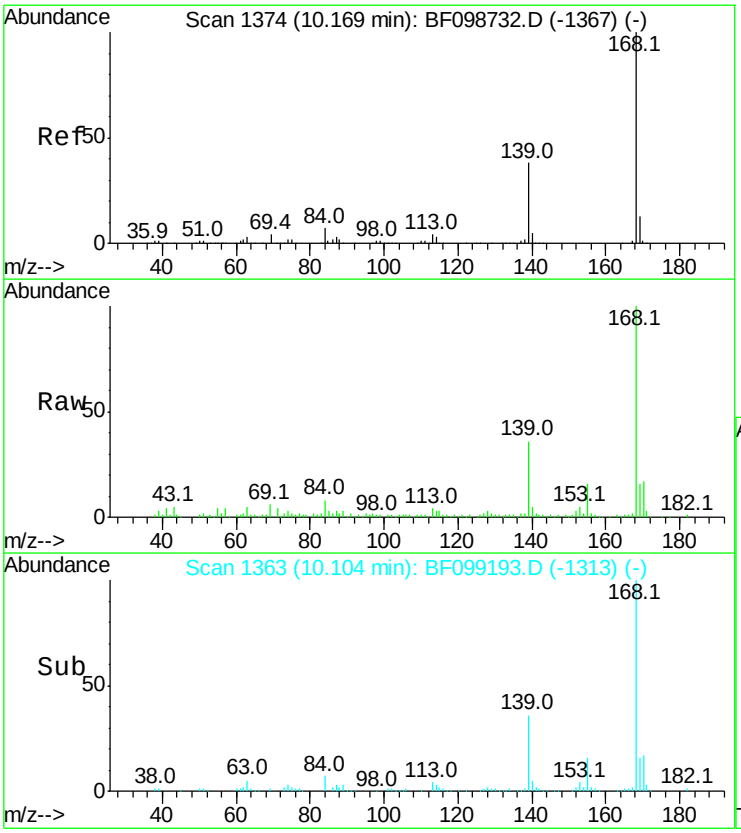
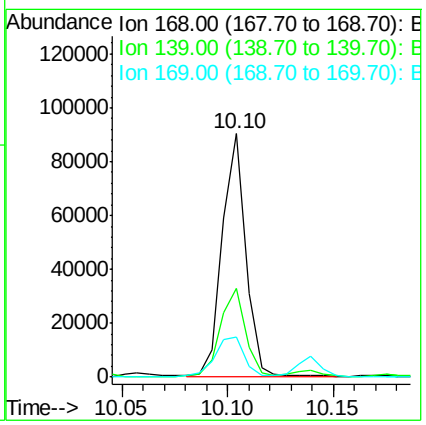
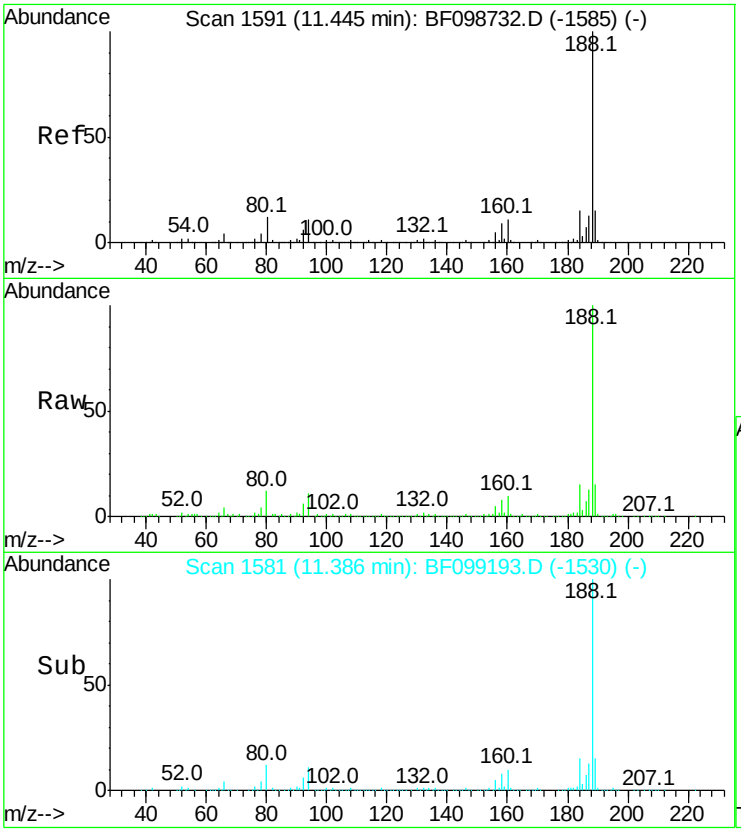


#54
Dibenzofuran
Concen: 3.826 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:168 Resp: 70177

Ion	Ratio	Lower	Upper
168	100		
139	36.5	30.1	45.1
169	16.3	10.9	16.3

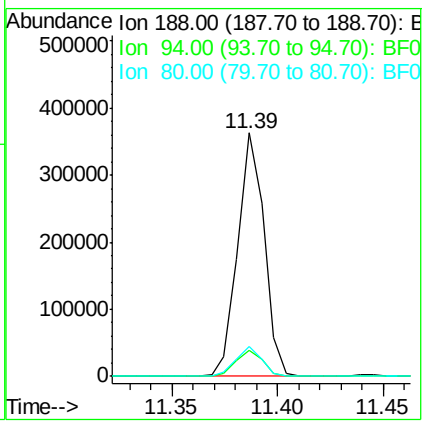




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

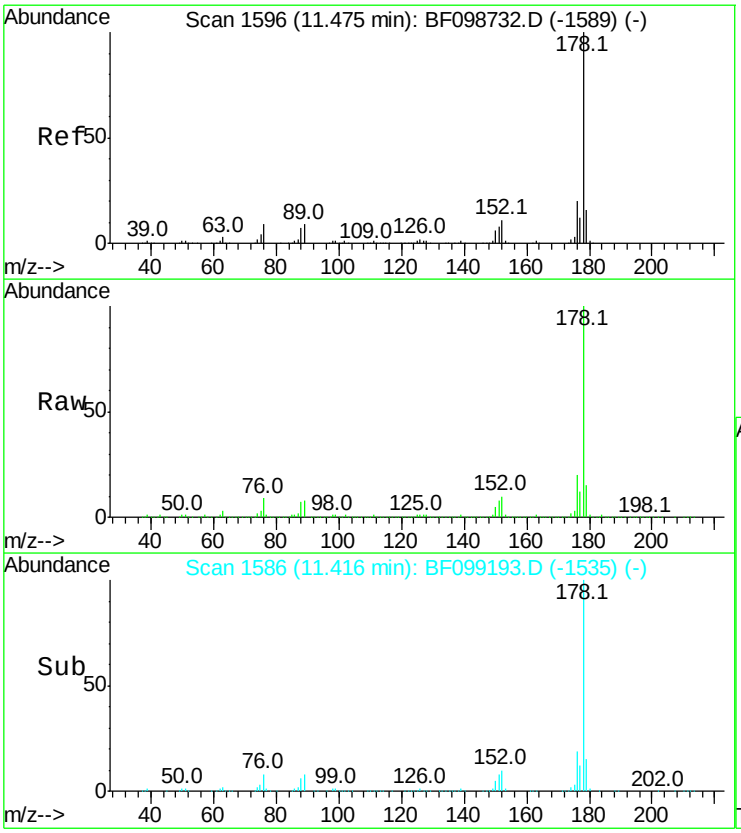
Tgt Ion:188 Resp: 314324

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	12.2	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

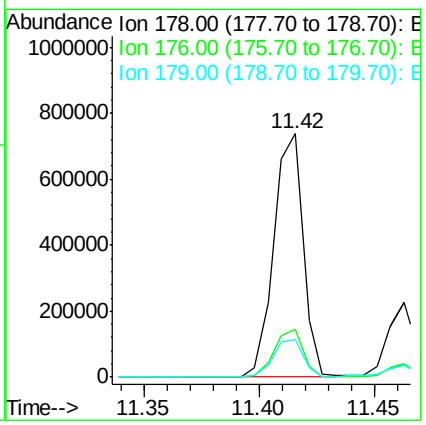
Manual Integrations APPROVED
Sohil
10/9/2017 6:33:59 PM

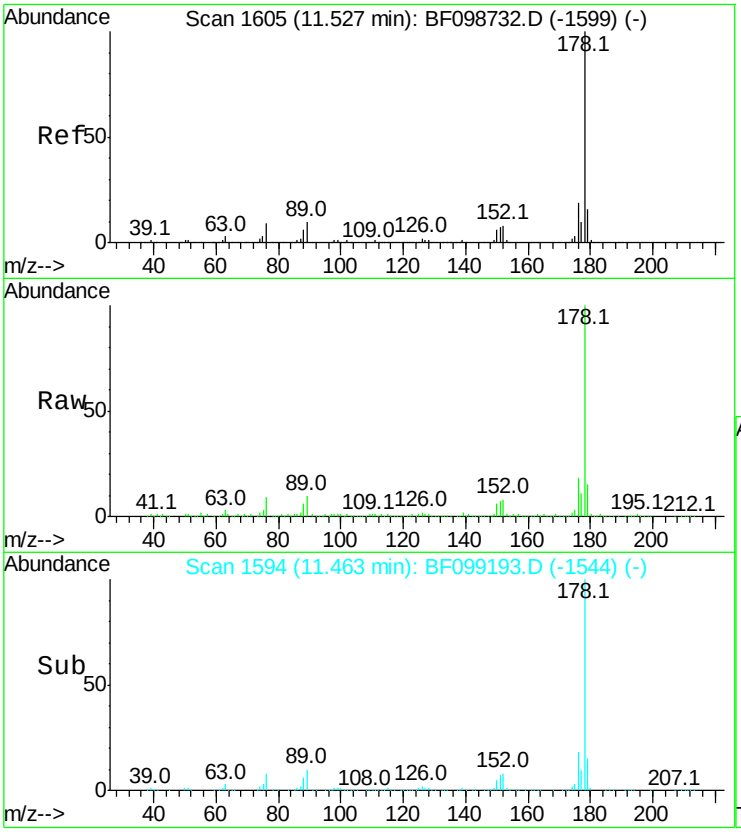


#70
Phenanthrene
Concen: 38.508 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:178 Resp: 647899

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.2	13.0	19.6

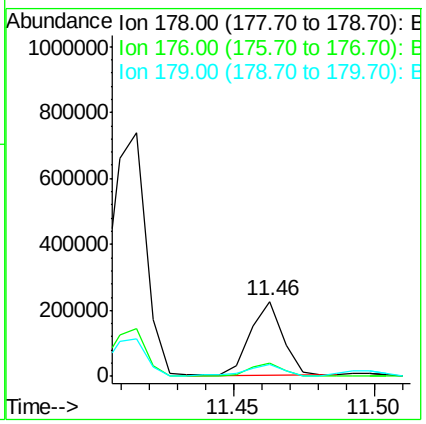




#71
Anthracene
Concen: 10.421 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:178 Resp: 179397

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.2	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

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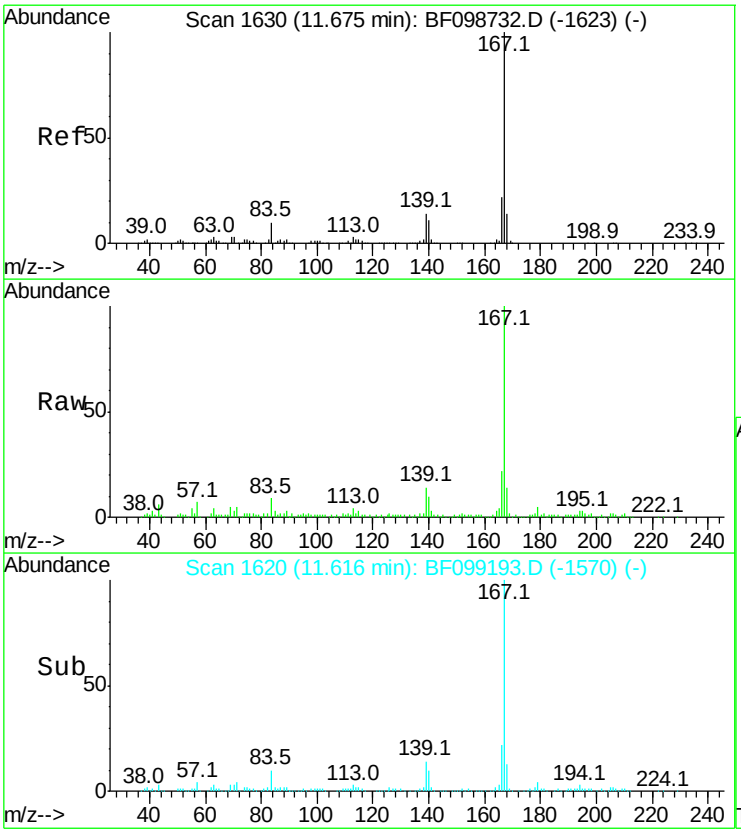
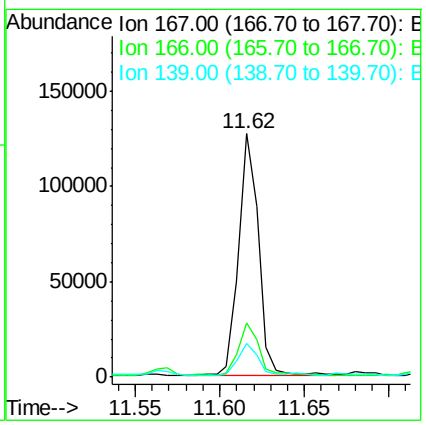
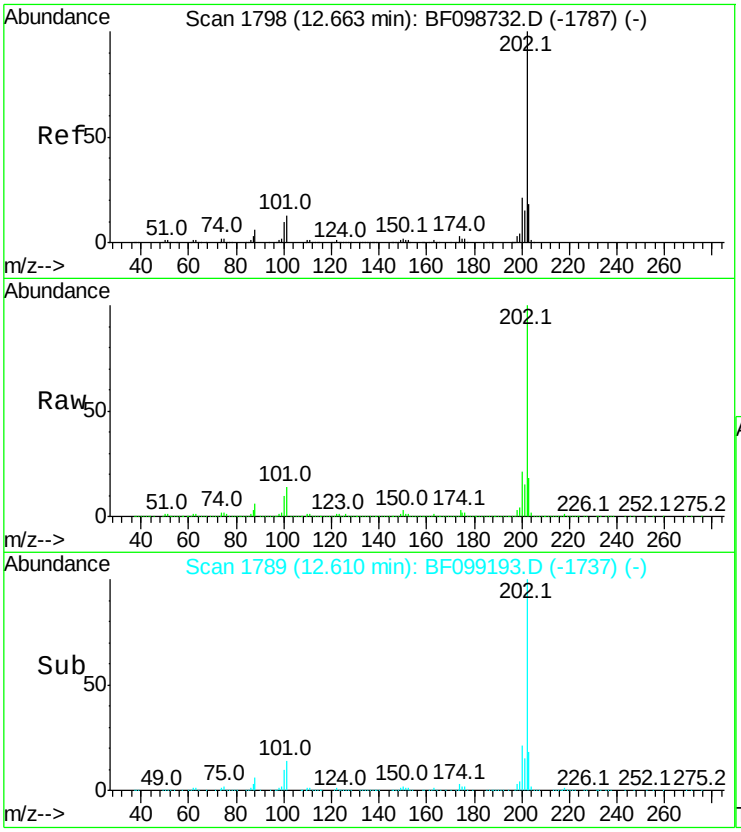


#72
Carbazole
Concen: 6.174 ng
RT: 11.62 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:167 Resp: 104090

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	13.9	10.9	16.3

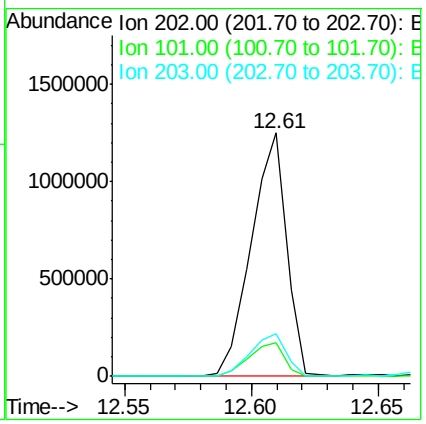




#74
Fluoranthene
Concen: 71.187 ng
RT: 12.61 min Scan# 1789
Delta R.T. 0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:202 Resp: 1212825

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.7	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

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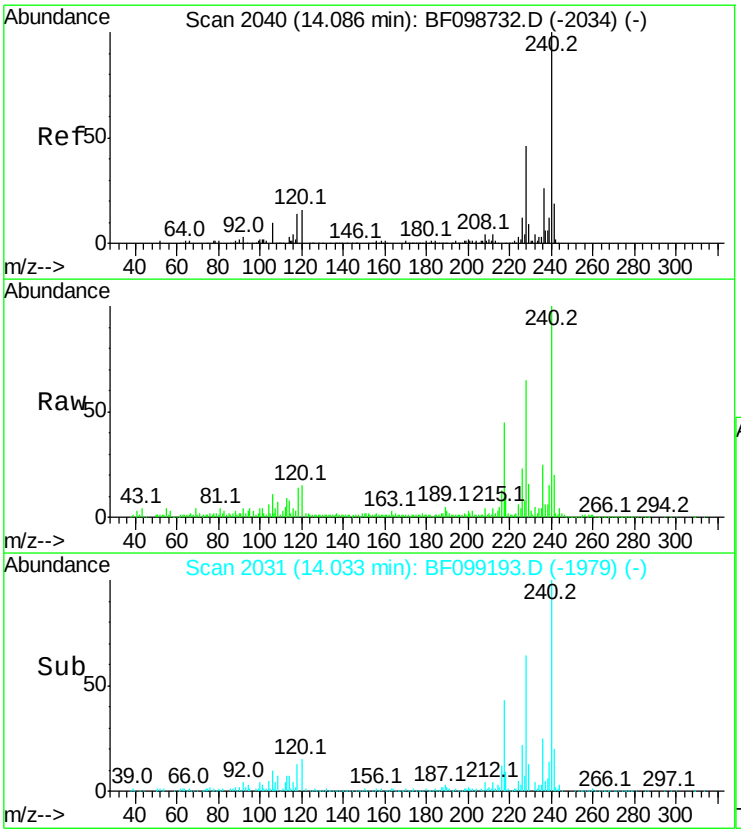
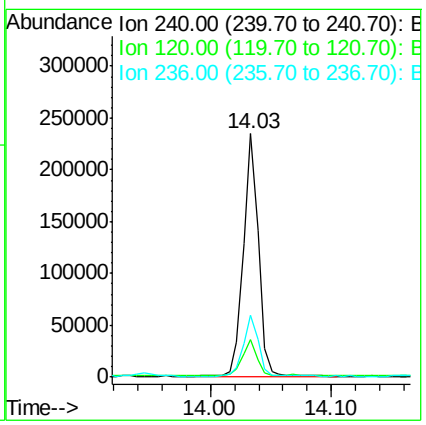
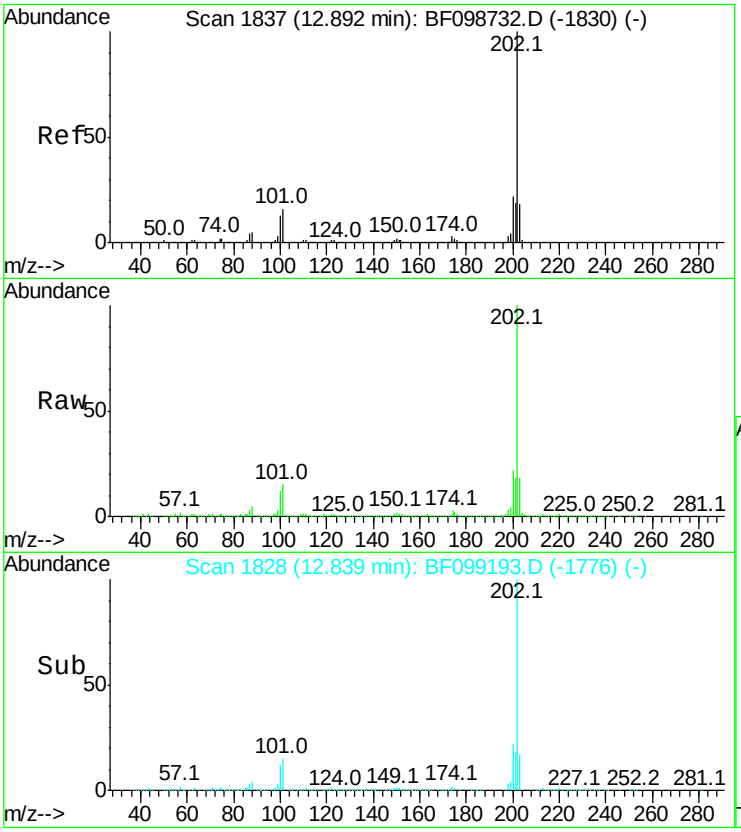


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:240 Resp: 205719

Ion	Ratio	Lower	Upper
240	100		
120	15.4	9.5	14.3#
236	25.5	20.7	31.1

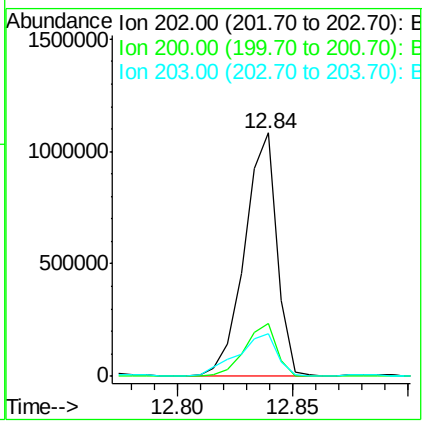




#77
Pyrene
Concen: 67.149 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:202 Resp: 1053354

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	17.7	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

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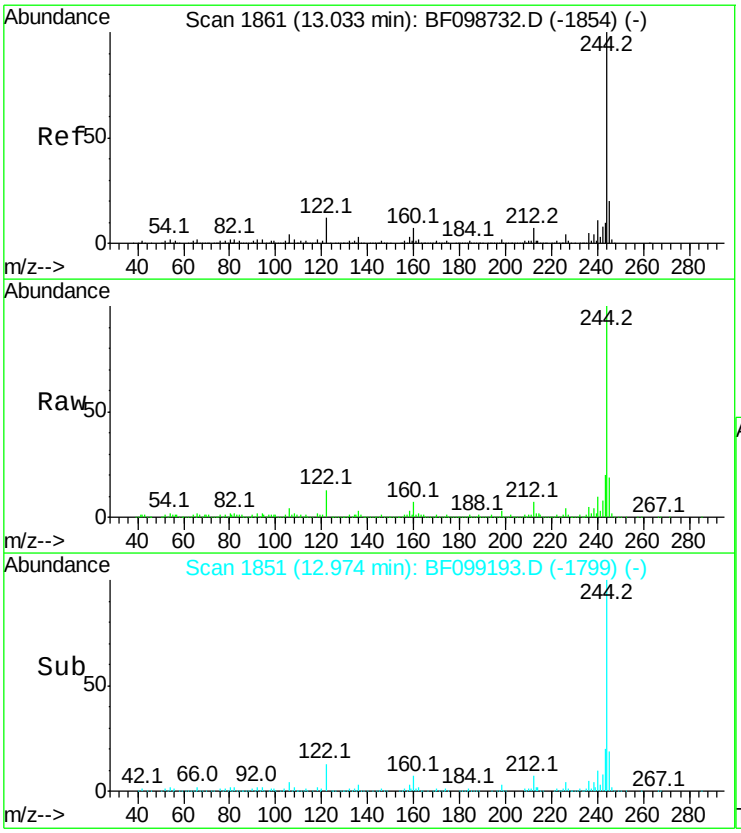
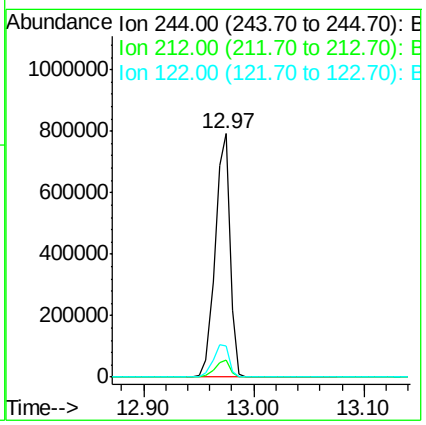
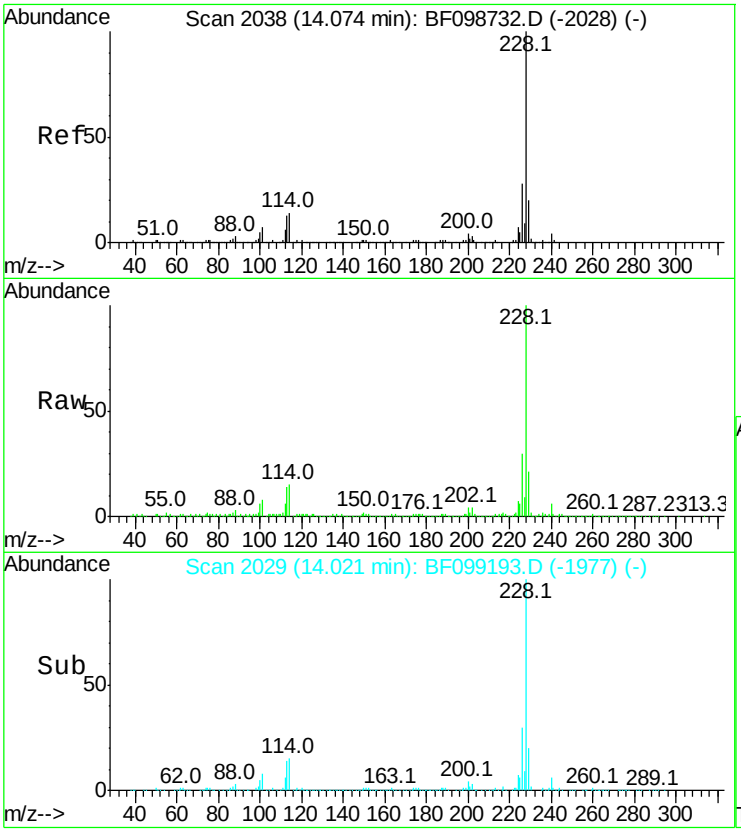


#78
Terphenyl-d14
Concen: 81.545 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:244 Resp: 737641

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.8	11.0	16.4

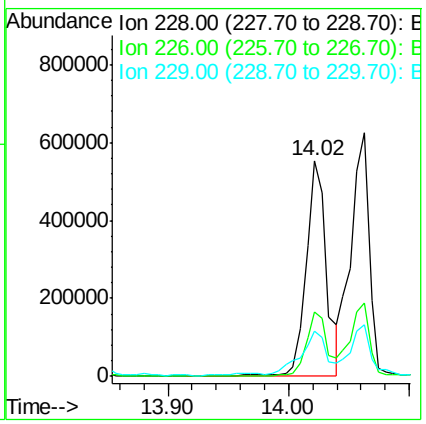




#80
Benzo(a)anthracene
Concen: 51.289 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:228 Resp: 638902

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

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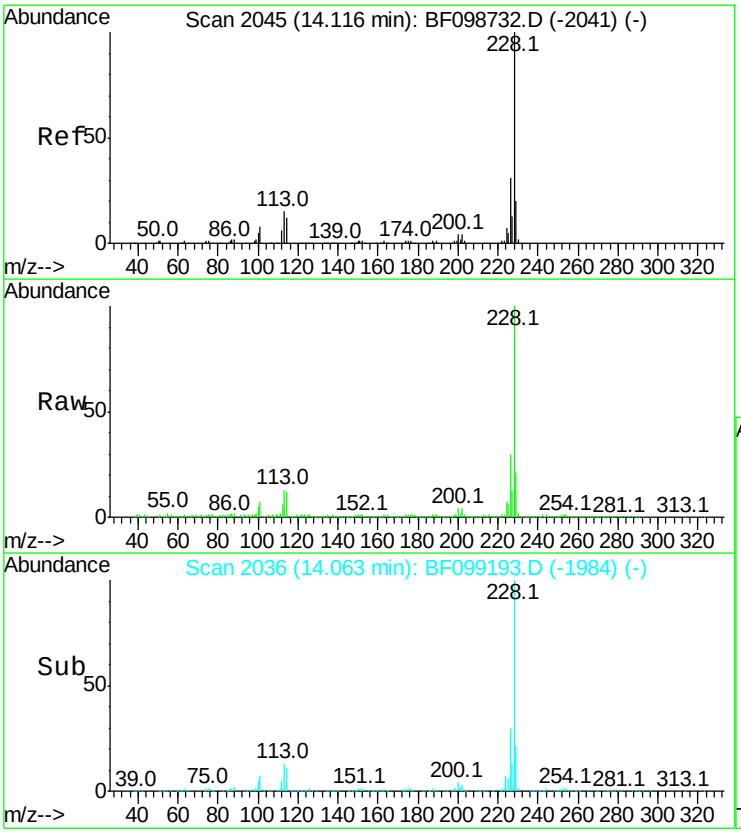
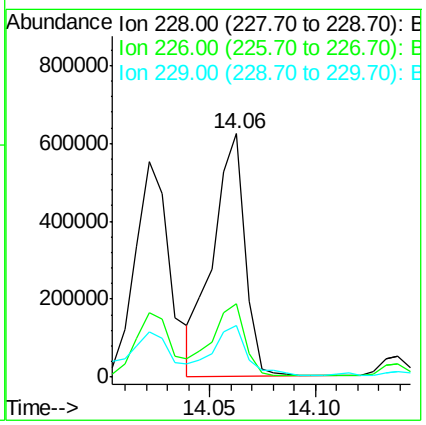
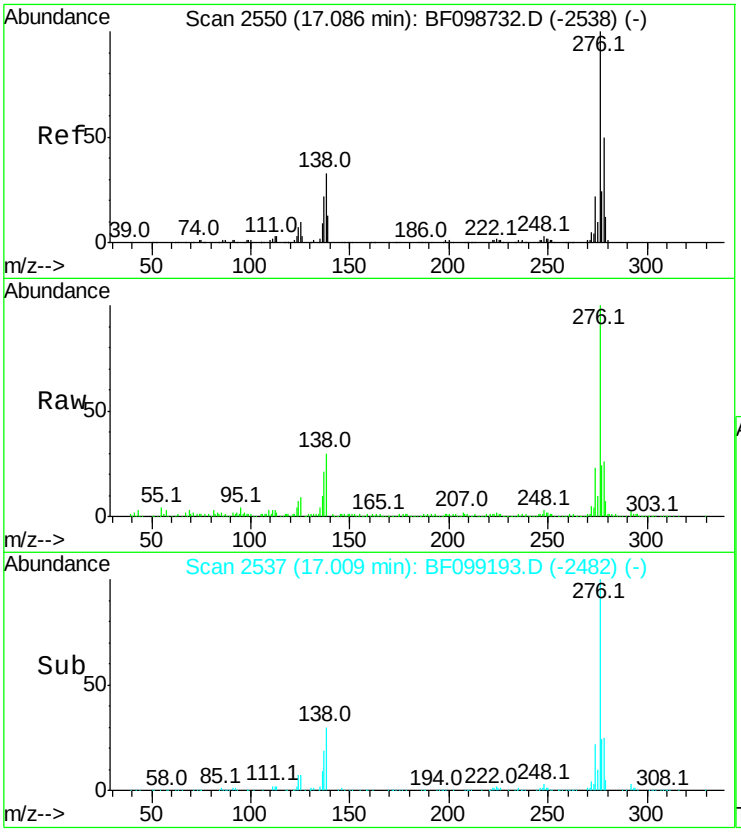


#82
Chrysene
Concen: 55.211 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:228 Resp: 654773

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.3	16.2	24.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 40.802 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.02 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:276 Resp: 387080

Ion	Ratio	Lower	Upper
276	100		
138	29.5	25.0	37.6
277	23.8	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

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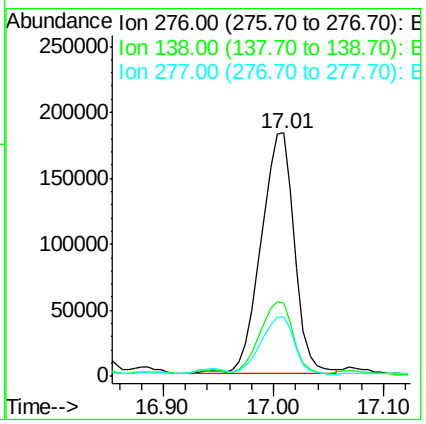
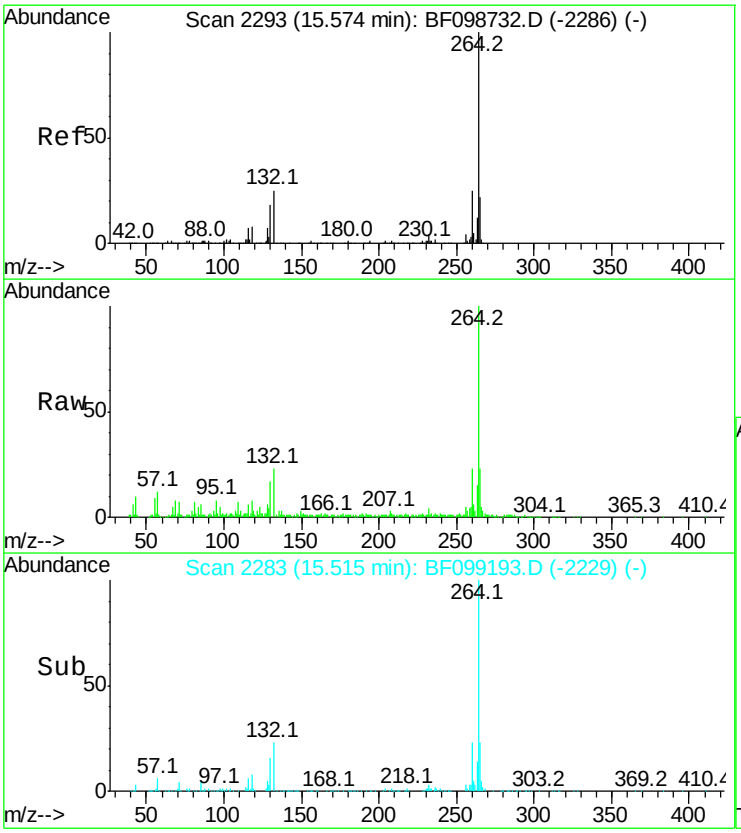
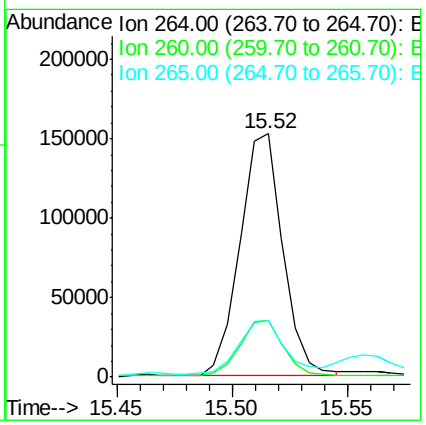


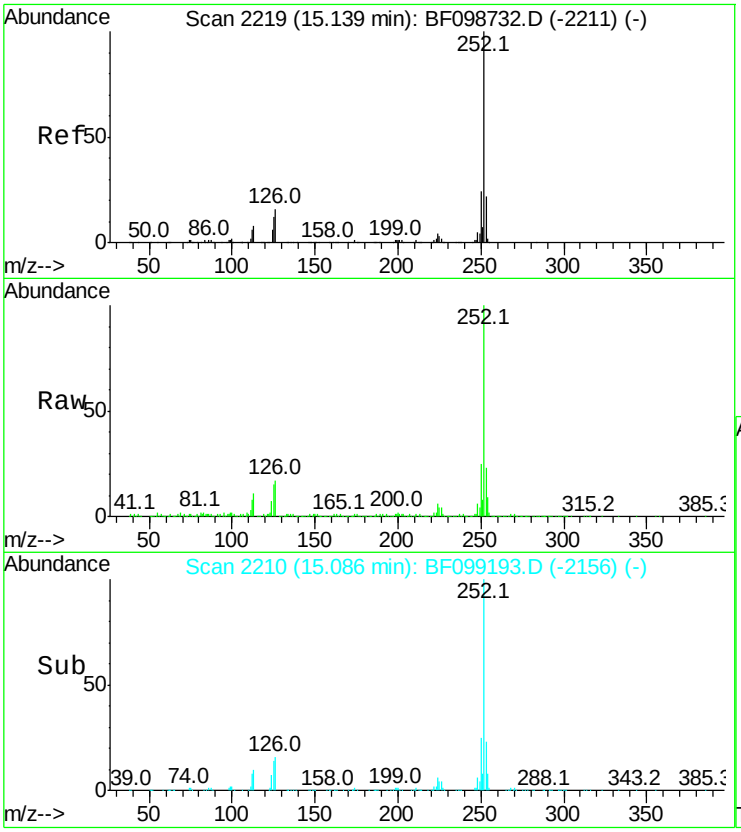


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.02 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:264 Resp: 197526

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.3	17.5	26.3

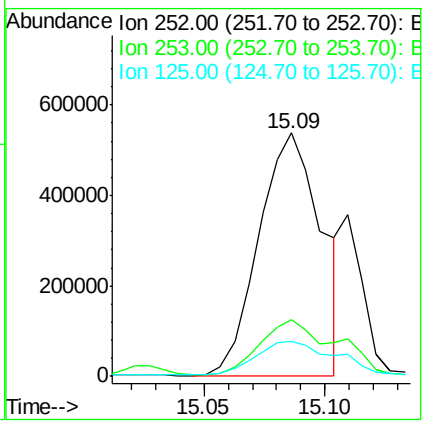




#87
Benzo(b)fluoranthene
Concen: 80.519 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.02 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:252 Resp: 977878

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	14.6	9.0	13.6#



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

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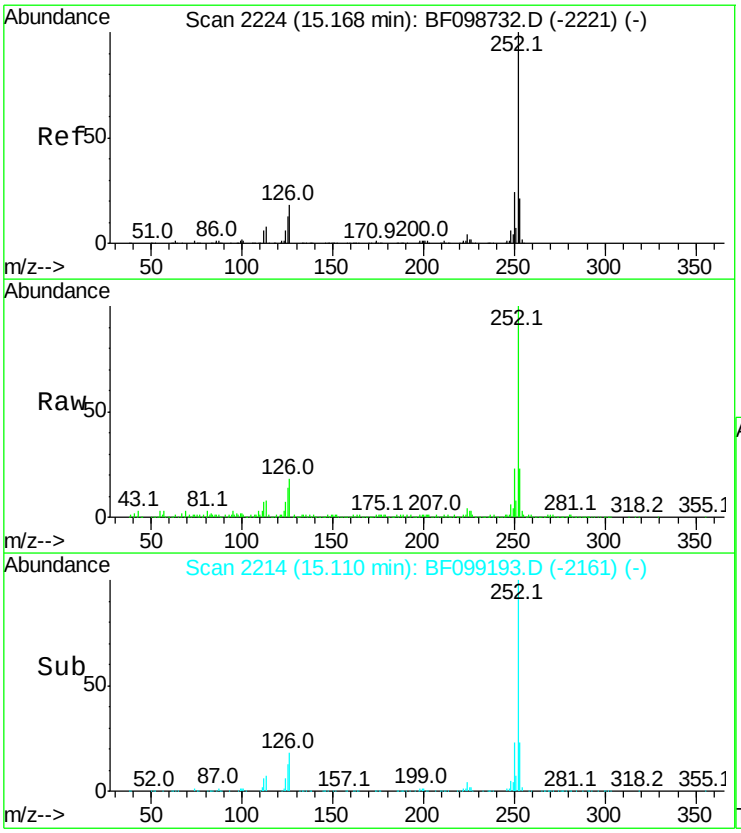
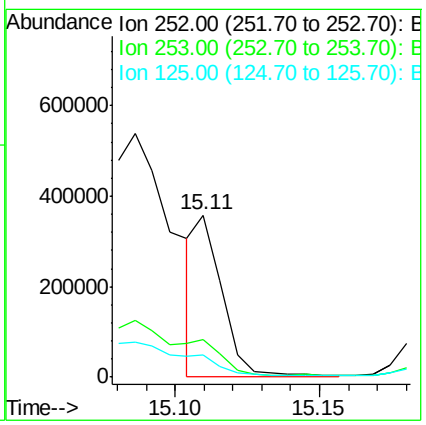
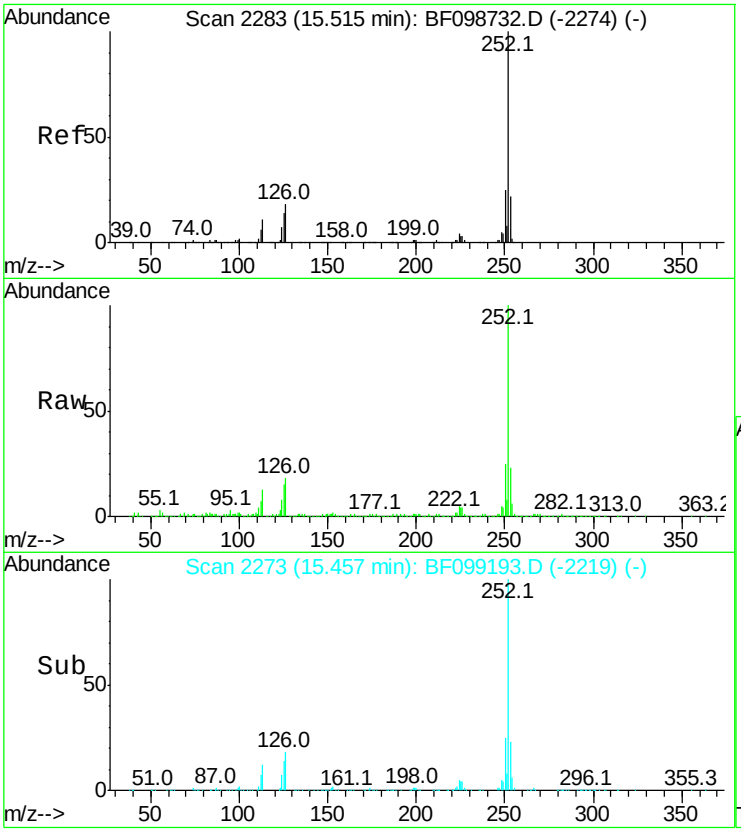


#88
Benzo(k)fluoranthene
Concen: 19.475 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:252 Resp: 233609

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	13.9	10.2	15.2





#89
Benzo(a)pyrene
Concen: 48.190 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.02 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:252 Resp: 537220

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.8	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

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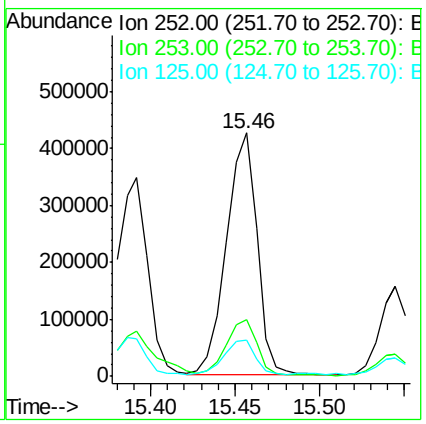
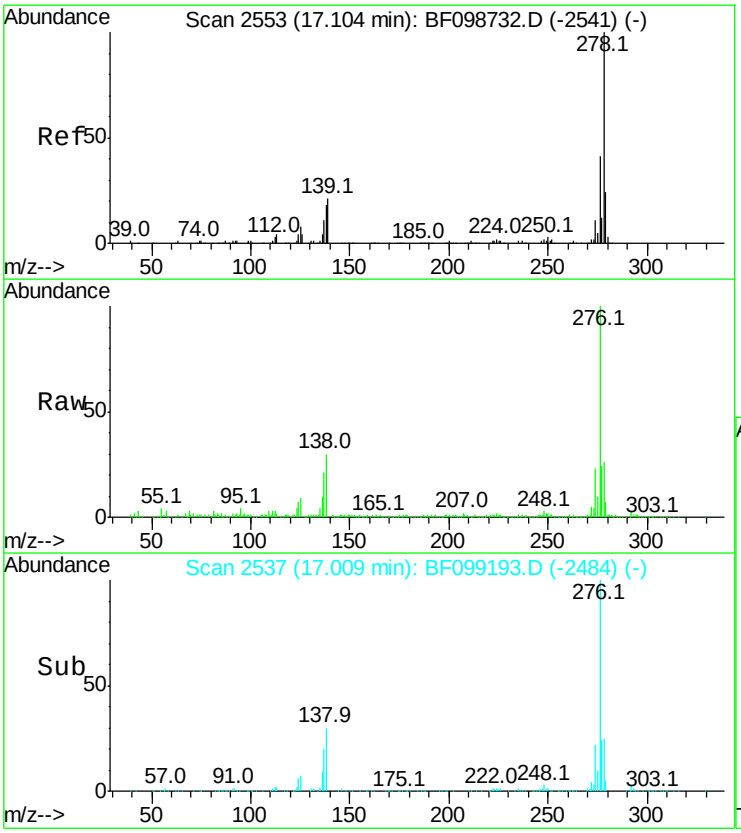
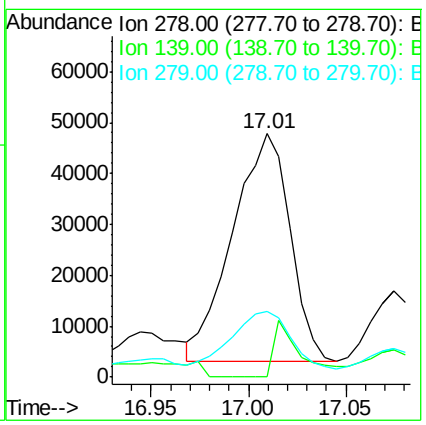


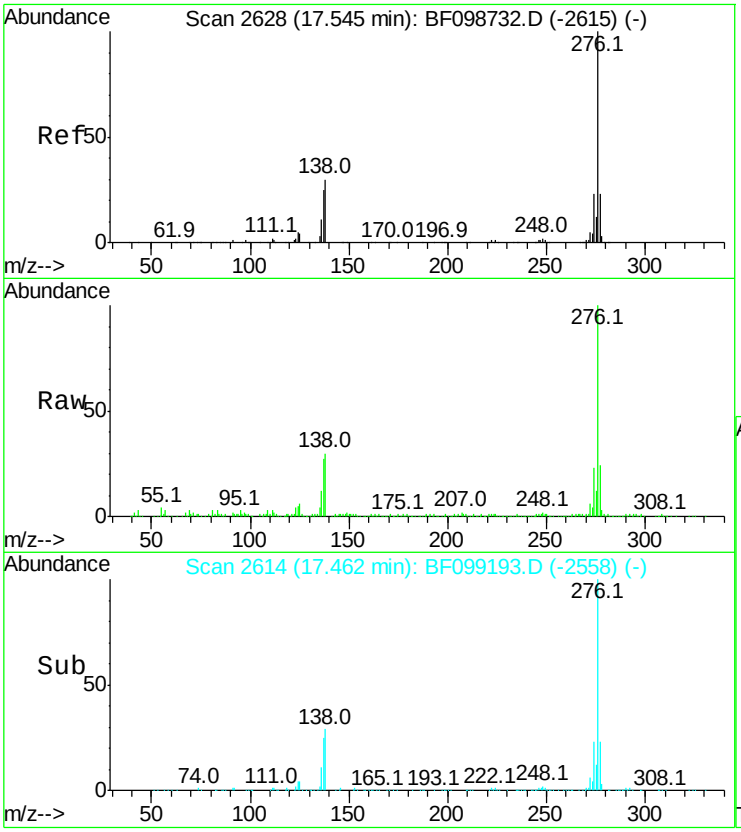


#90
Dibenzo(a,h)anthracene
Concen: 10.219 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:278 Resp: 91170

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.0	19.0	28.4

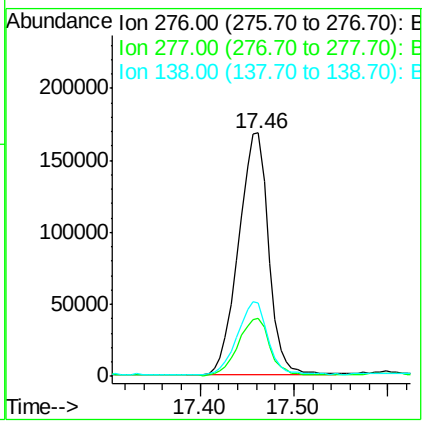




#91
Benzo(g,h,i)perylene
Concen: 42.394 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.03 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:276 Resp: 373872

Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	30.1	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
G10-1.5-3

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