Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
Data File : BF097490.D
Acq On : 9 Aug 2017 1:23
Operator : SJ/JU
Sample : I4657-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-D

Manual Integrations APPROVED
Sohil
8/9/2017 7:16:44 PM

Quant Time: Aug 09 16:44:08 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 07 16:02:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	91128	20.00	ng		0.00
21) Naphthalene-d8	7.69	136	361358	20.00	ng		-0.01
38) Acenaphthene-d10	9.43	164	116550	20.00	ng		0.00
63) Phenanthrene-d10	10.91	188	203948	20.00	ng		0.00
75) Chrysene-d12	13.54	240	134935	20.00	ng		0.00
86) Perylene-d12	14.89	264	119432	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.00	112	492796	81.52	ng		0.00
7) Phenol-d6	6.07	99	605907	87.80	ng		-0.01
23) Nitrobenzene-d5	6.97	82	309797	50.29	ng		-0.02
41) 2,4,6-Tribromophenol	10.22	330	87857	95.41	ng		-0.01
44) 2-Fluorobiphenyl	8.77	172	426258	62.07	ng		0.00
78) Terphenyl-d14	12.49	244	316866	47.88	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	9.29	152	128063	11.389	ng		99
49) Dimethylphthalate	9.17	163	106230	12.003	ng		99
51) Acenaphthene	9.46	154	36867	5.566	ng		96
54) Dibenzofuran	9.64	168	36511	4.139	ng	#	93
57) Fluorene	9.97	166	77914	11.750	ng		95
70) Phenanthrene	10.94	178	1074994	98.374	ng		98
71) Anthracene	10.99	178	396988	35.470	ng		98
74) Fluoranthene	12.13	202	1826165	170.585	ng		99
77) Pyrene	12.36	202	1733319	156.908	ng		100
80) Benzo(a)anthracene	13.54	228	936064	107.213	ng		97
82) Chrysene	13.57	228	821403	96.348	ng		96
85) Indeno(1,2,3-cd)pyrene	16.09	276	354957	48.555	ng		92
87) Benzo(b)fluoranthene	14.54	252	803417m	111.907	ng		
88) Benzo(k)fluoranthene	14.56	252	219669m	32.109	ng		
89) Benzo(a)pyrene	14.84	252	550198	83.735	ng		99
90) Dibenzo(a,h)anthracene	16.09	278	99120	18.396	ng	#	75
91) Benzo(g,h,i)perylene	16.44	276	322392	57.055	ng		98

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

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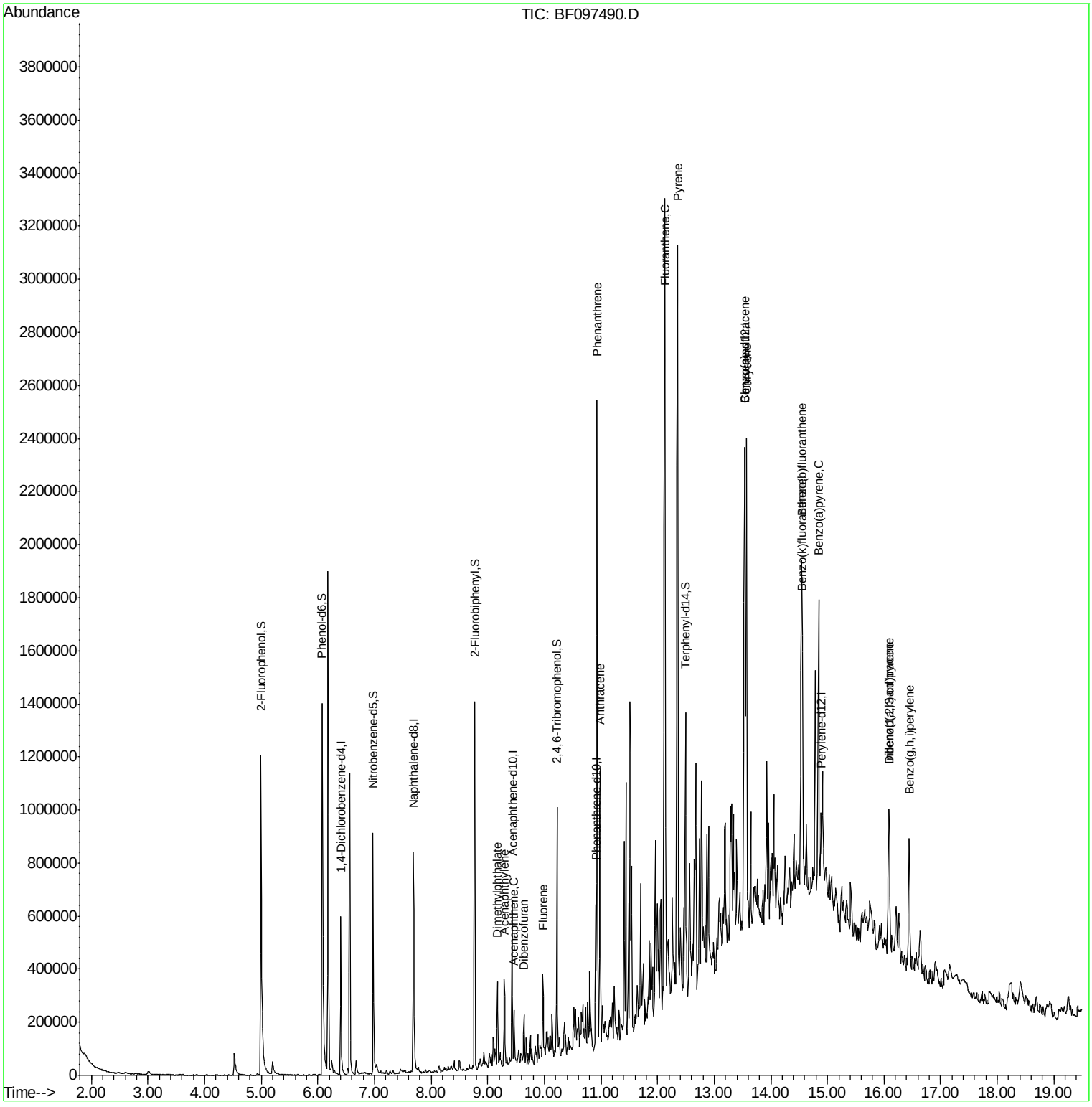
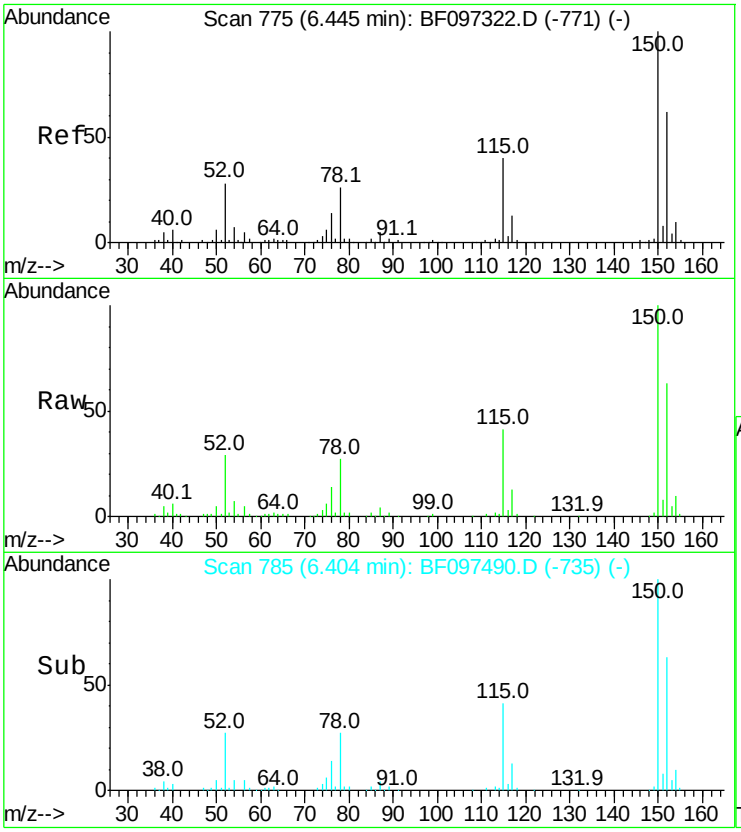
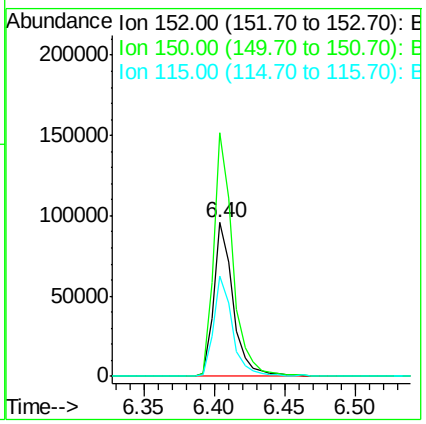




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:152 Resp: 91128

Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	65.2	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
CL-01-080717-D

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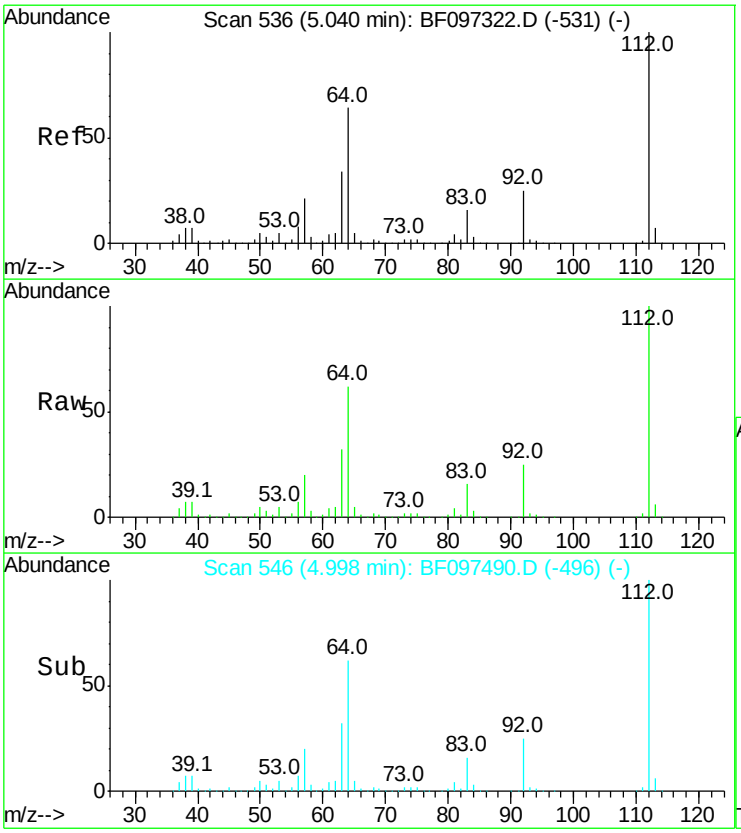
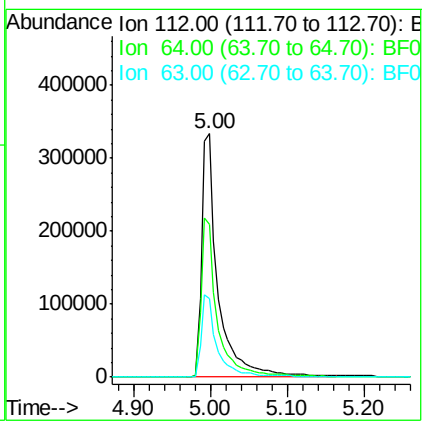
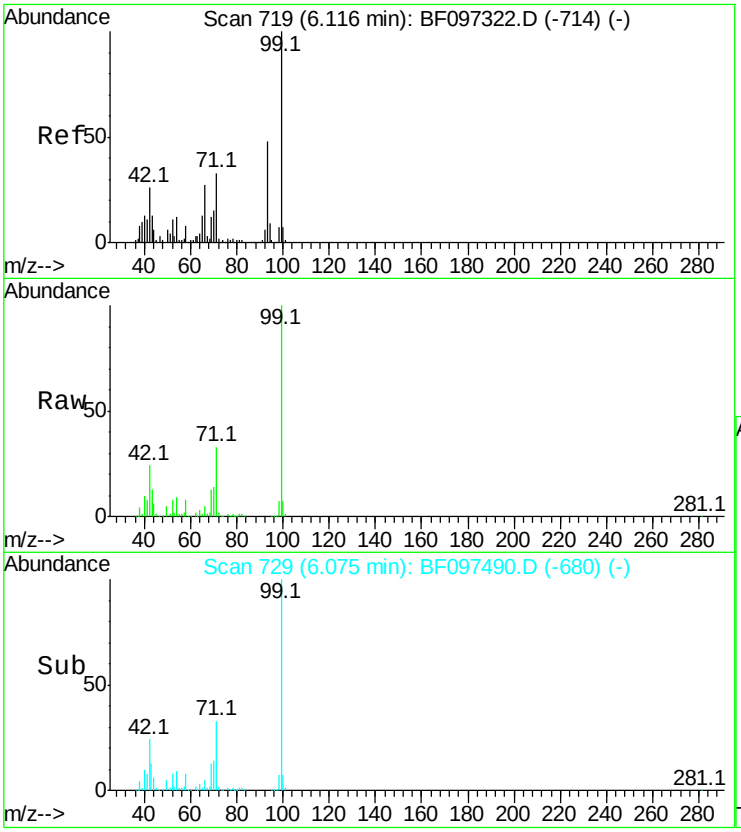


#5
2-Fluorophenol
Concen: 81.521 ng
RT: 5.00 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:112 Resp: 492796

Ion	Ratio	Lower	Upper
112	100		
64	62.5	46.0	69.0
63	32.3	23.4	35.0

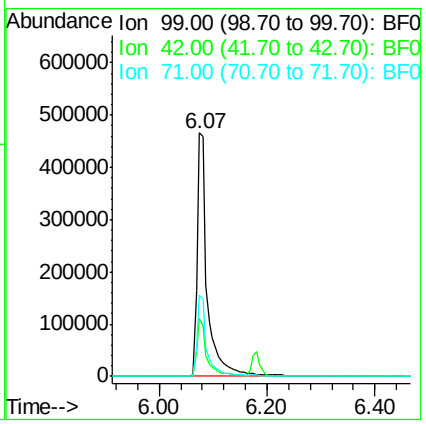




#7
Phenol-d6
Concen: 87.798 ng
RT: 6.07 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion: 99 Resp: 605907

Ion	Ratio	Lower	Upper
99	100		
42	24.0	13.5	20.3#
71	33.2	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
CL-01-080717-D

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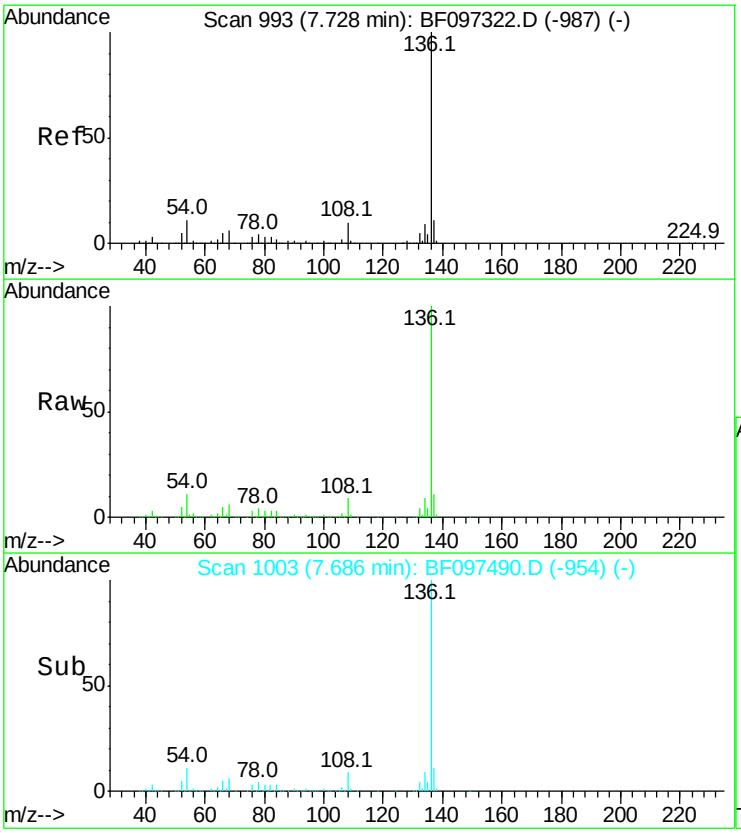
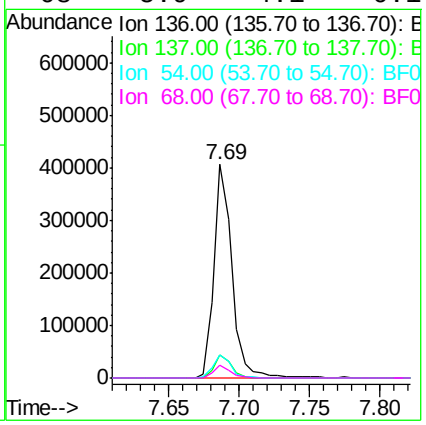
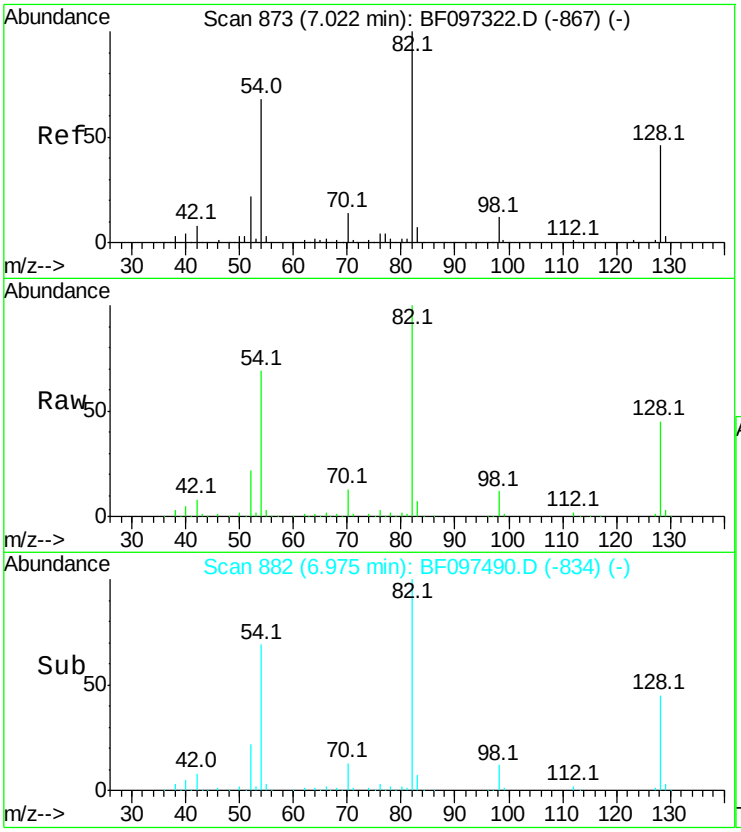


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:136 Resp: 361358

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	11.0	4.9	7.3#
68	5.9	4.1	6.1

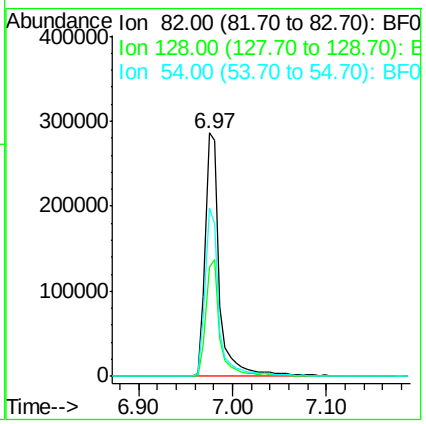




#23
Nitrobenzene-d5
Concen: 50.293 ng
RT: 6.97 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion: 82 Resp: 309797

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.0	51.0
54	68.9	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
CL-01-080717-D

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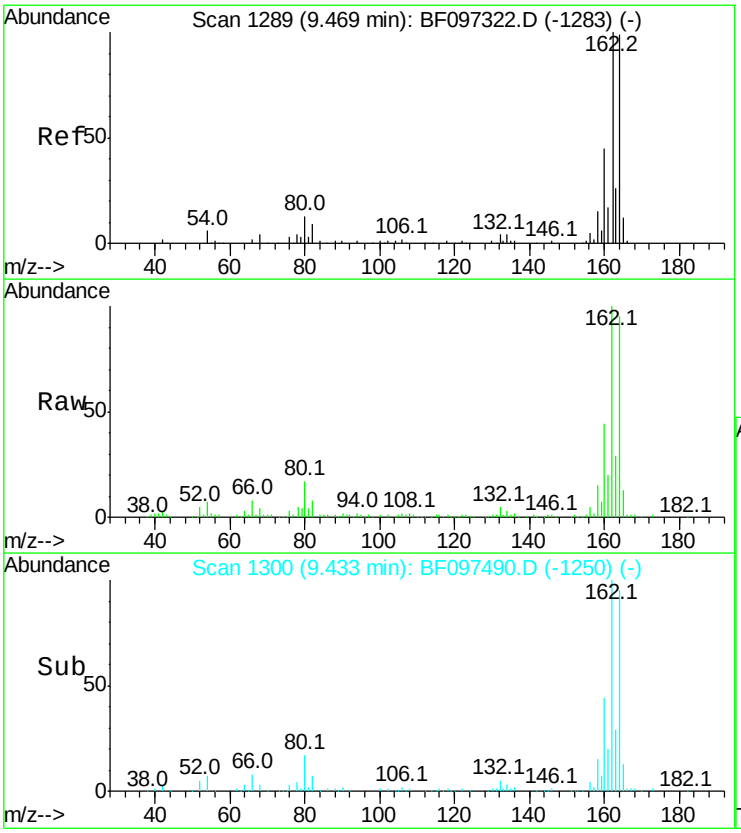
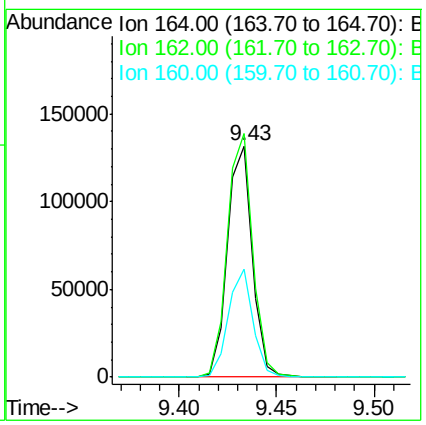
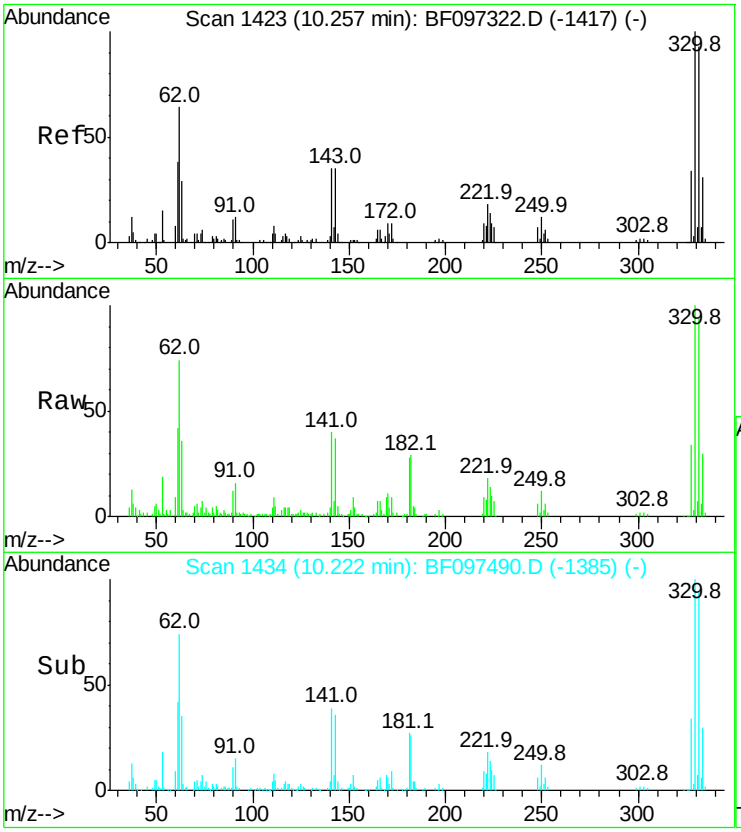


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:164 Resp: 116550

Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.6	123.8
160	46.6	36.2	54.2





#41
2,4,6-Tribromophenol
Concen: 95.408 ng
RT: 10.22 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:330 Resp: 87857

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	40.5	31.4	47.2

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-D

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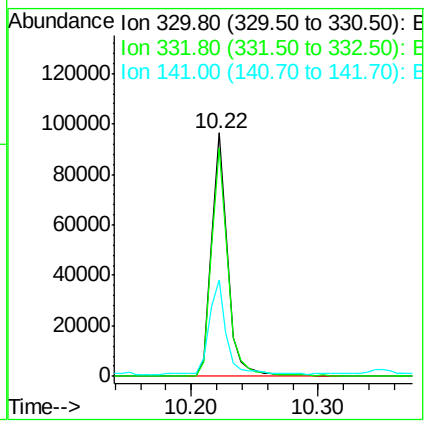
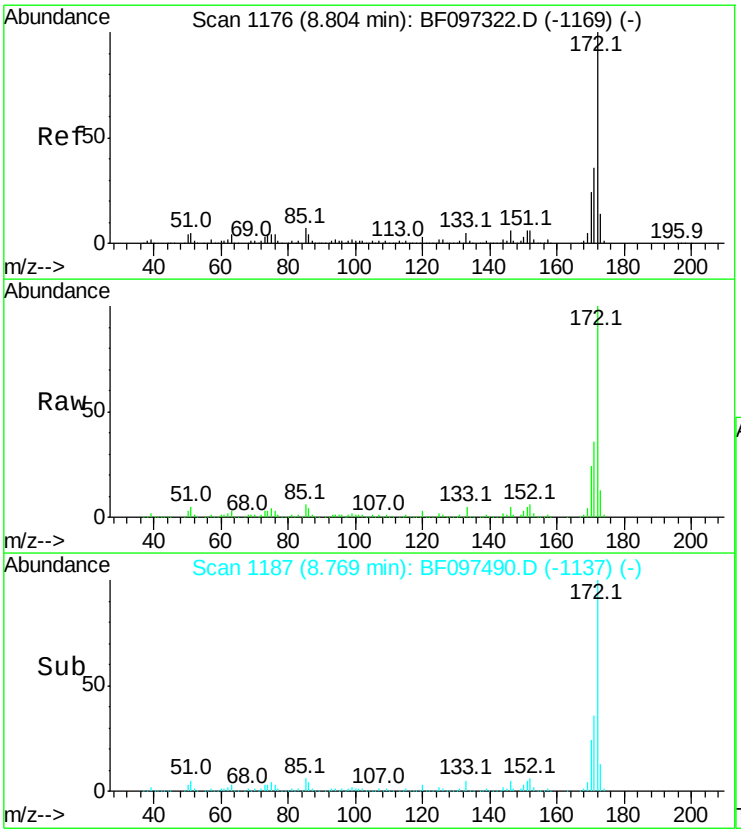
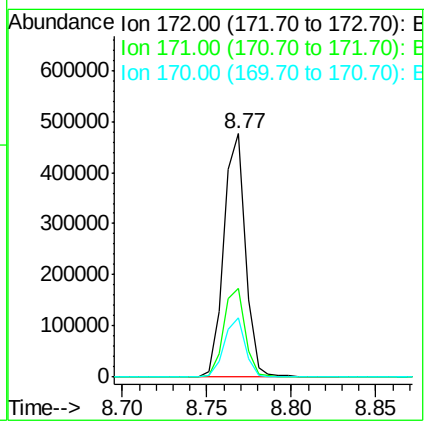


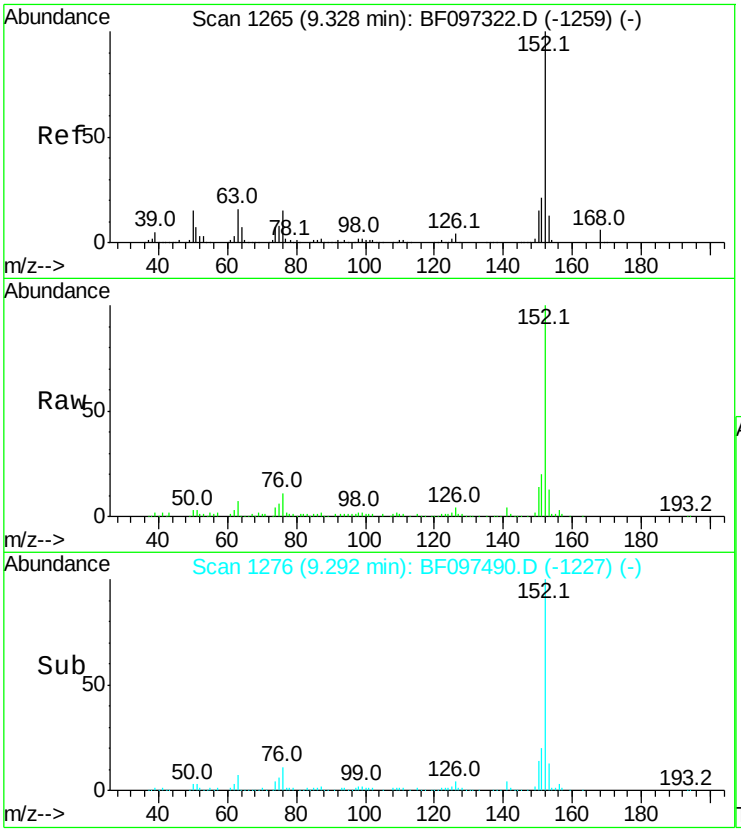


#44
2-Fluorobiphenyl
Concen: 62.068 ng
RT: 8.77 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:172 Resp: 426258

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.3	19.8	29.8

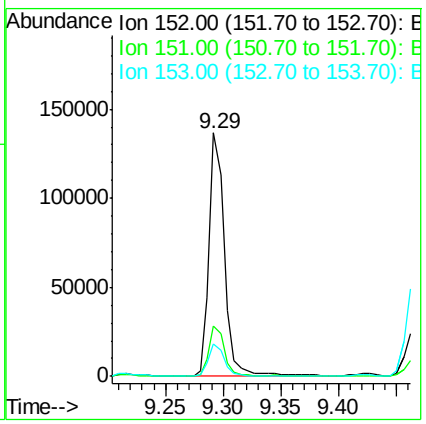




#48
Acenaphthylene
Concen: 11.389 ng
RT: 9.29 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:152 Resp: 128063

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	13.5	10.8	16.2



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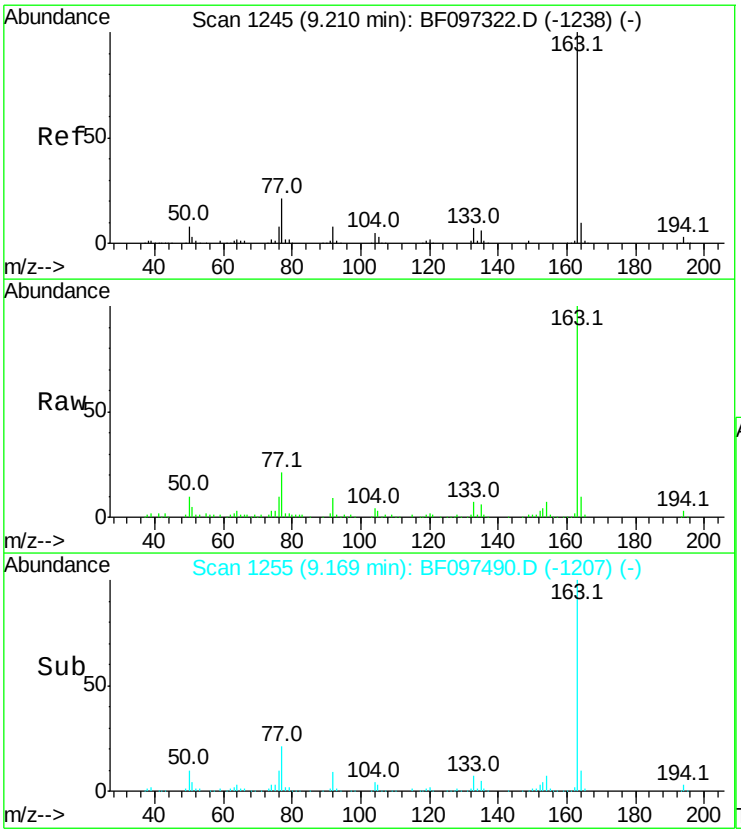
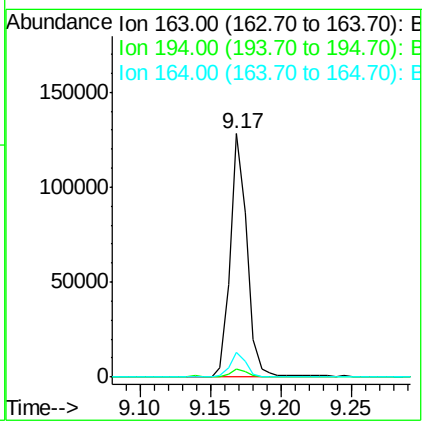
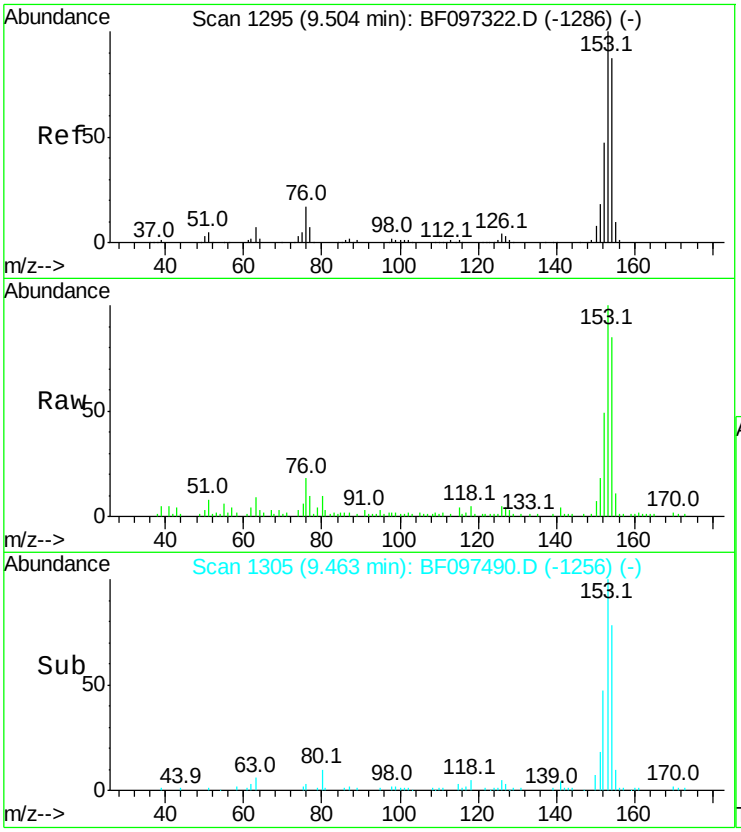


#49
Dimethylphthalate
Concen: 12.003 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:163 Resp: 106230

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.2	8.4	12.6

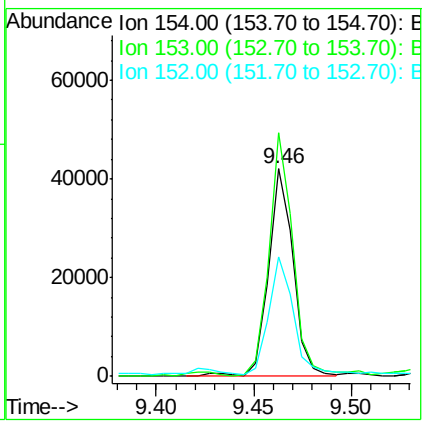




#51
Acenaphthene
Concen: 5.566 ng
RT: 9.46 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:154 Resp: 36867

Ion	Ratio	Lower	Upper
154	100		
153	117.3	90.5	135.7
152	57.3	43.6	65.4



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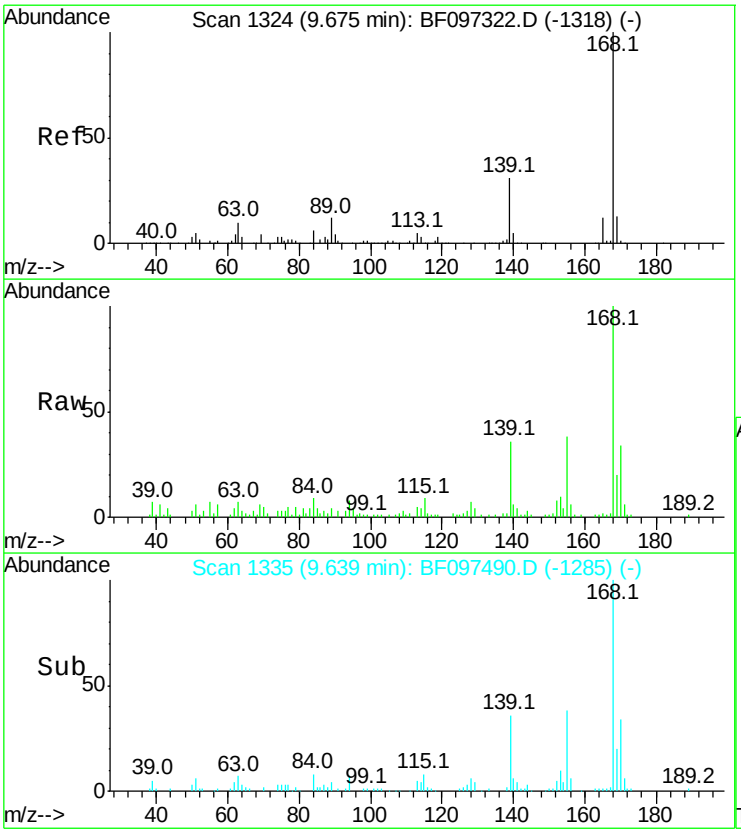
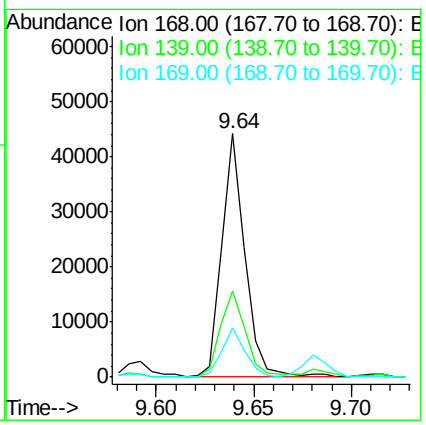
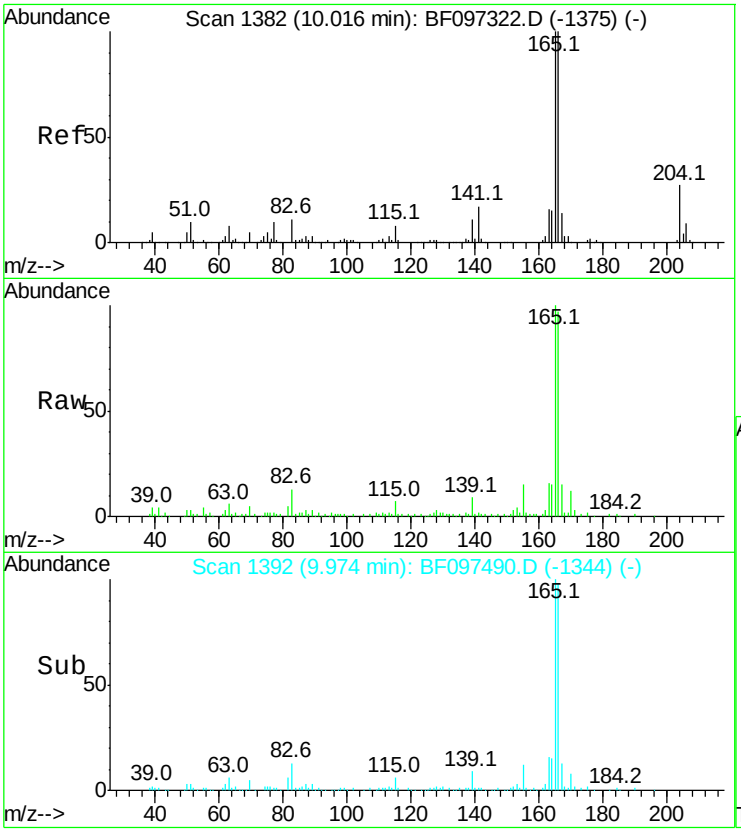


#54
Dibenzofuran
Concen: 4.139 ng
RT: 9.64 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:168 Resp: 36511

Ion	Ratio	Lower	Upper
168	100		
139	35.6	30.6	45.8
169	20.0	10.8	16.2#

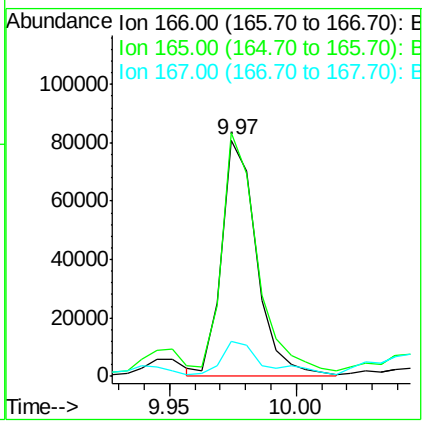




#57
Fluorene
Concen: 11.750 ng
RT: 9.97 min Scan# 1392
Delta R.T. -0.02 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:166 Resp: 77914

Ion	Ratio	Lower	Upper
166	100		
165	103.0	78.8	118.2
167	15.1	10.6	16.0



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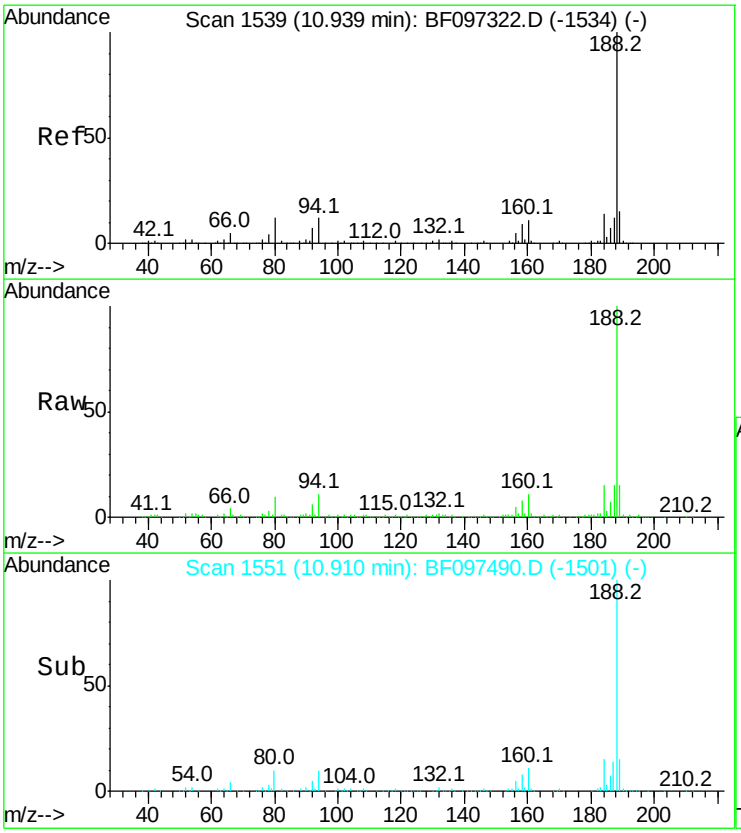
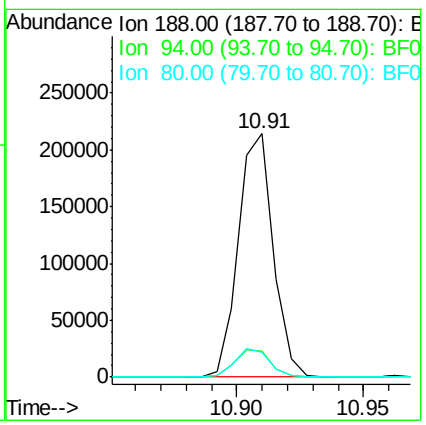
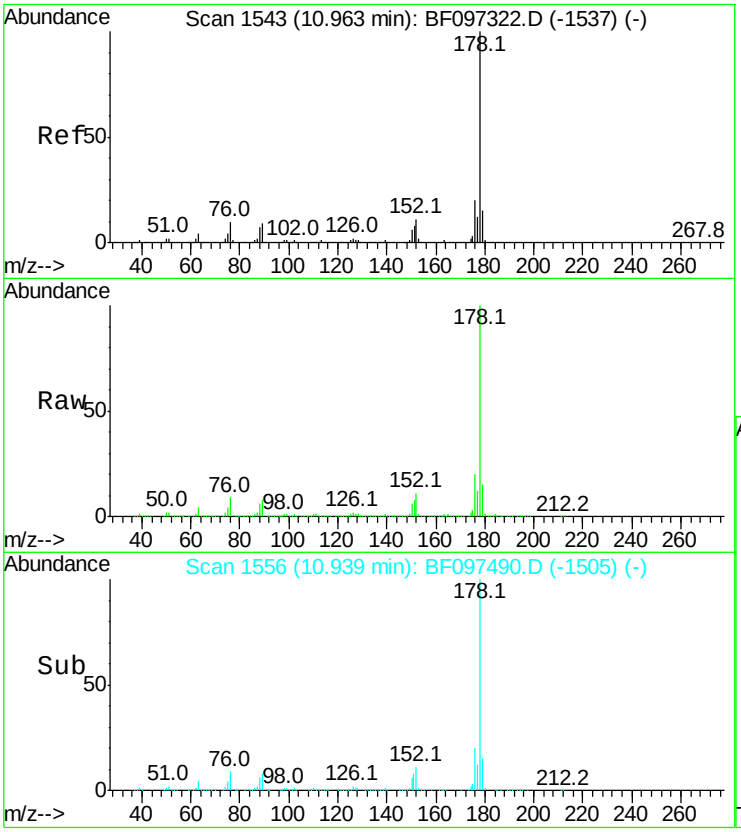


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.91 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:188 Resp: 203948

Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	10.4	10.2	15.2

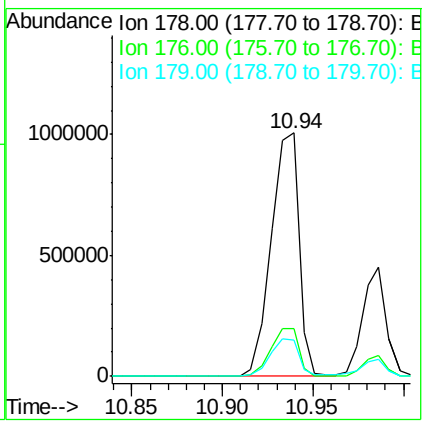




#70
Phenanthrene
Concen: 98.374 ng
RT: 10.94 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:178 Resp: 1074994

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	15.0	12.6	19.0



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ClientSampleId :
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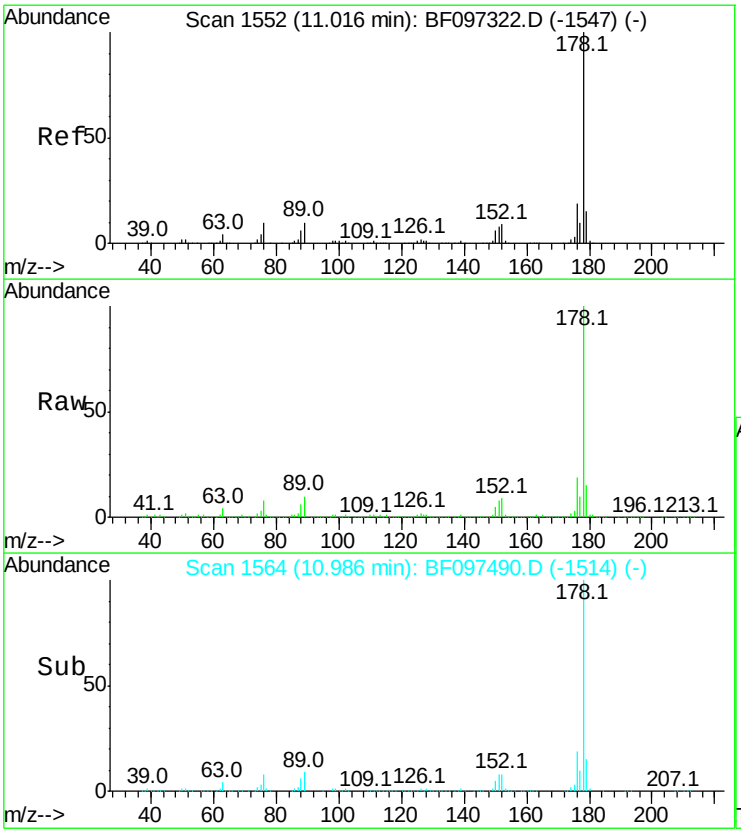
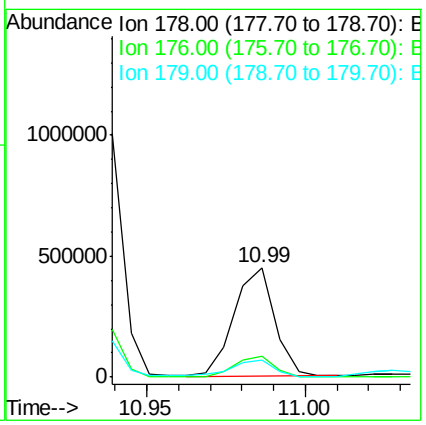
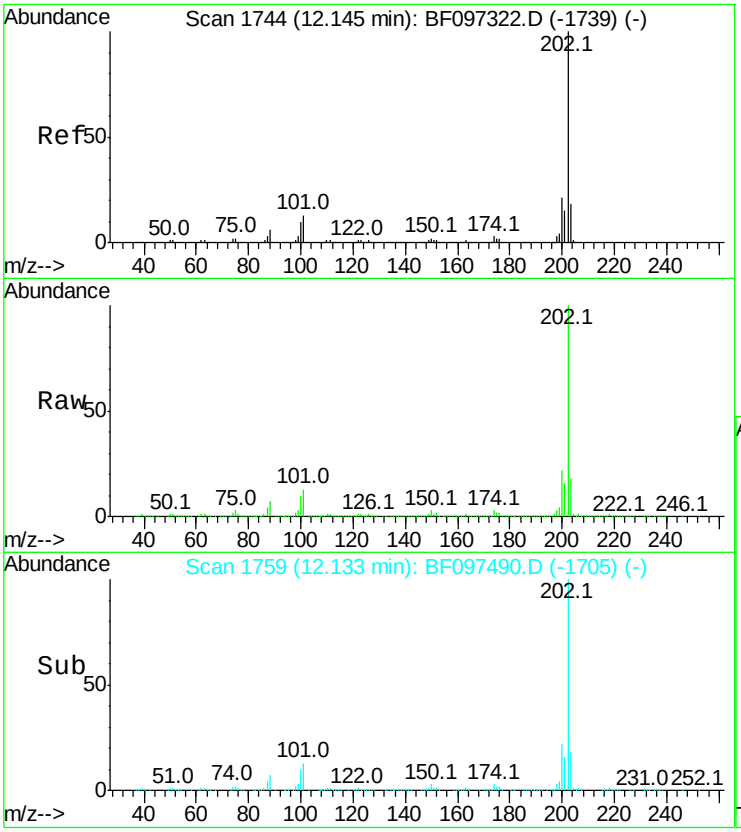


#71
Anthracene
Concen: 35.470 ng
RT: 10.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:178 Resp: 396988

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.3	12.7	19.1

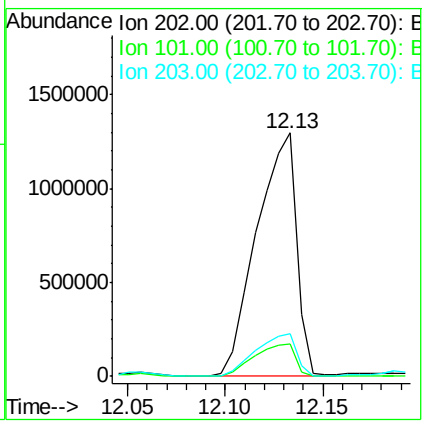




#74
Fluoranthene
Concen: 170.585 ng
RT: 12.13 min Scan# 1759
Delta R.T. 0.02 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:202 Resp: 1826165

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.8	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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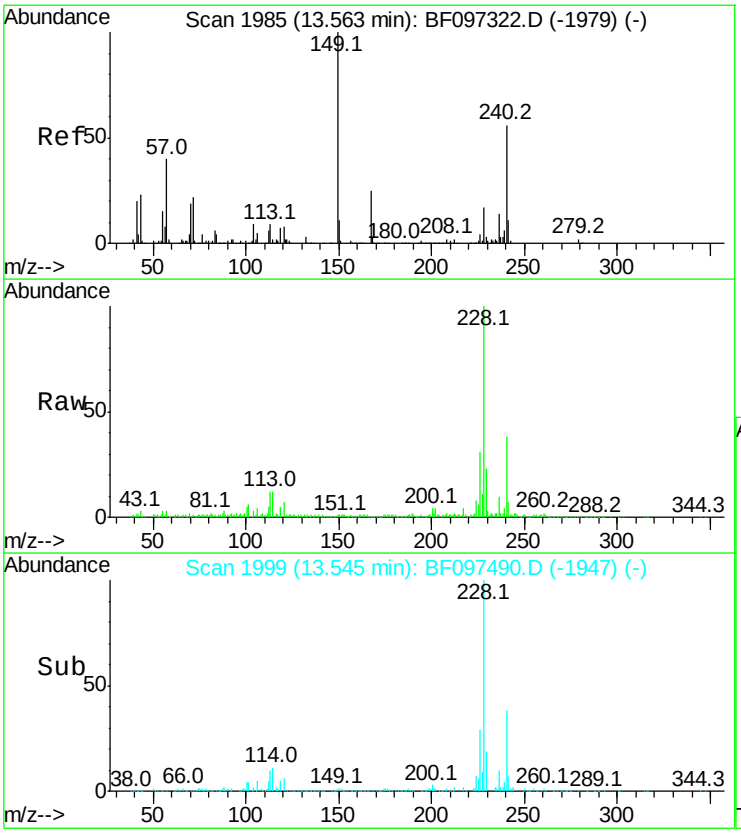
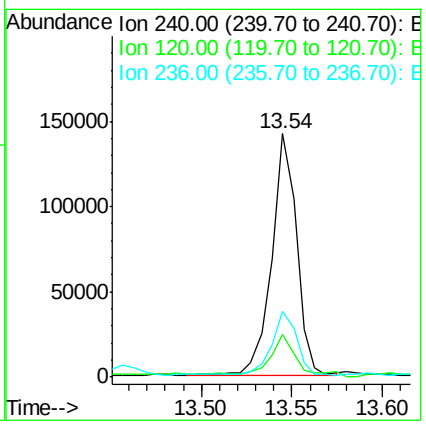
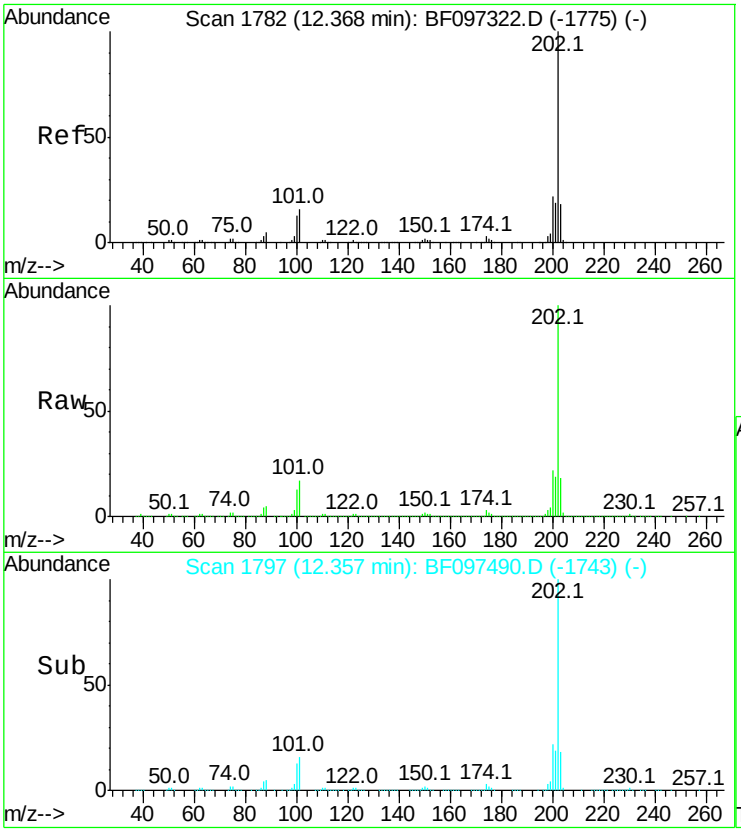


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.54 min Scan# 1999
Delta R.T. 0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:240 Resp: 134935

Ion	Ratio	Lower	Upper
240	100		
120	17.8	5.8	8.8#
236	26.7	20.5	30.7

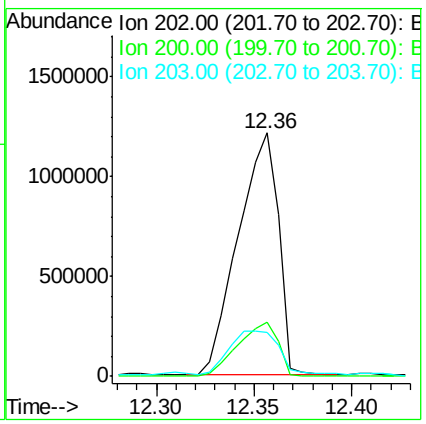




#77
Pyrene
Concen: 156.908 ng
RT: 12.36 min Scan# 1797
Delta R.T. 0.02 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:202 Resp: 1733319

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.6	26.4
203	18.1	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
CL-01-080717-D

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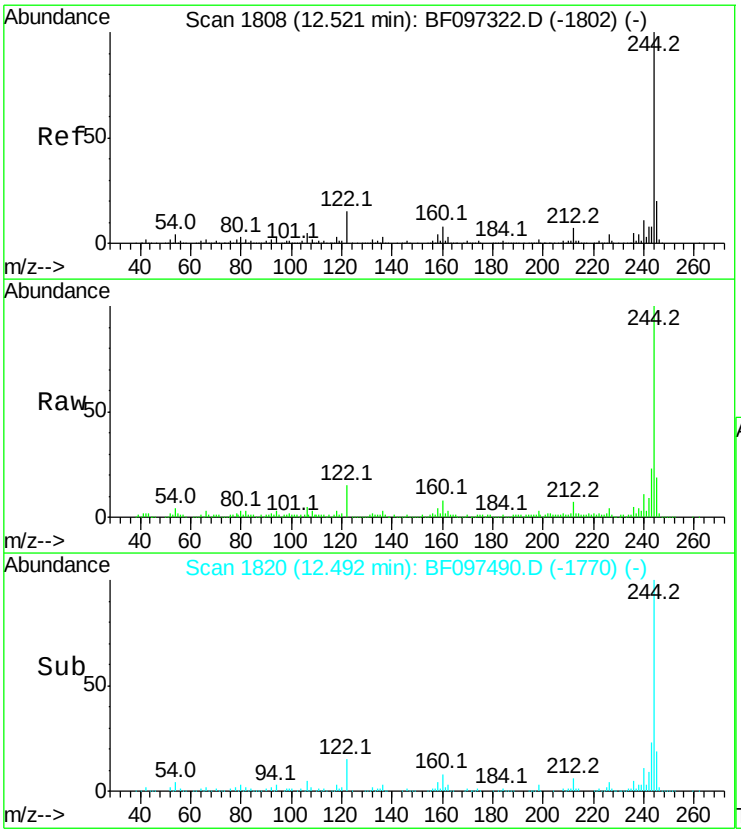
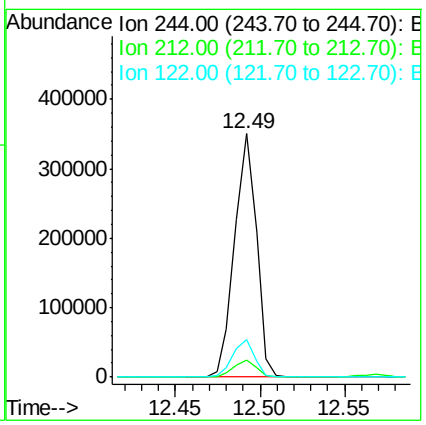
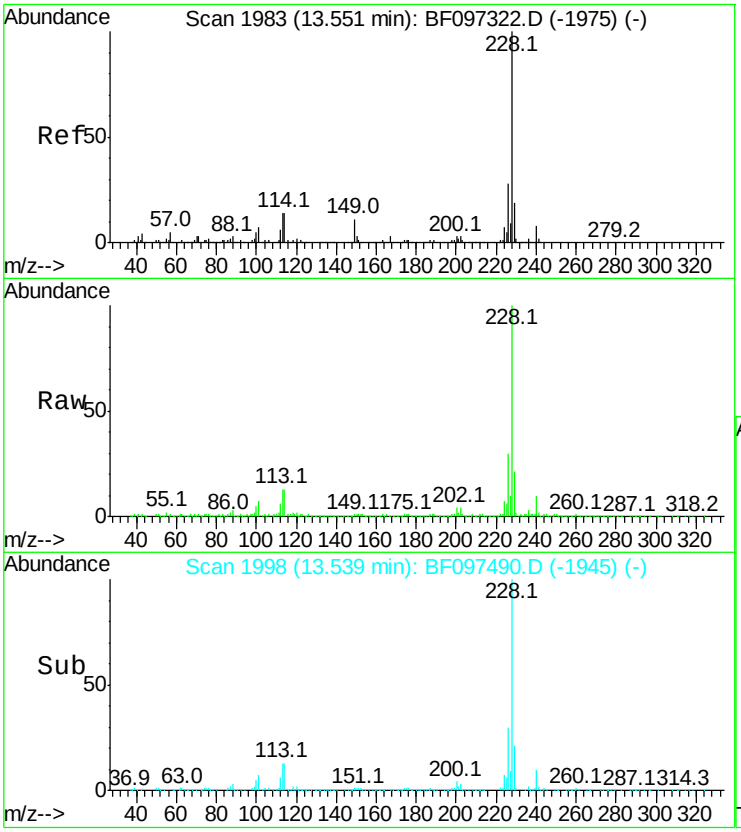


#78
Terphenyl-d14
Concen: 47.878 ng
RT: 12.49 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:244 Resp: 316866

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.3	10.3	15.5

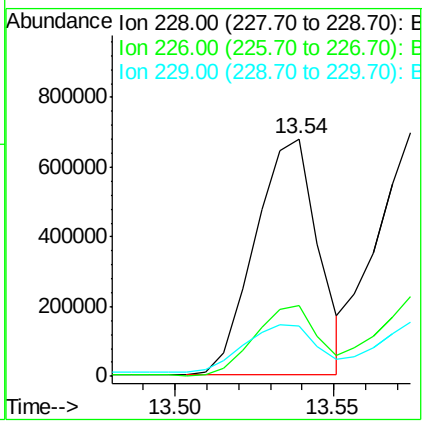




#80
Benzo(a)anthracene
Concen: 107.213 ng
RT: 13.54 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:228 Resp: 936064

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	21.2	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
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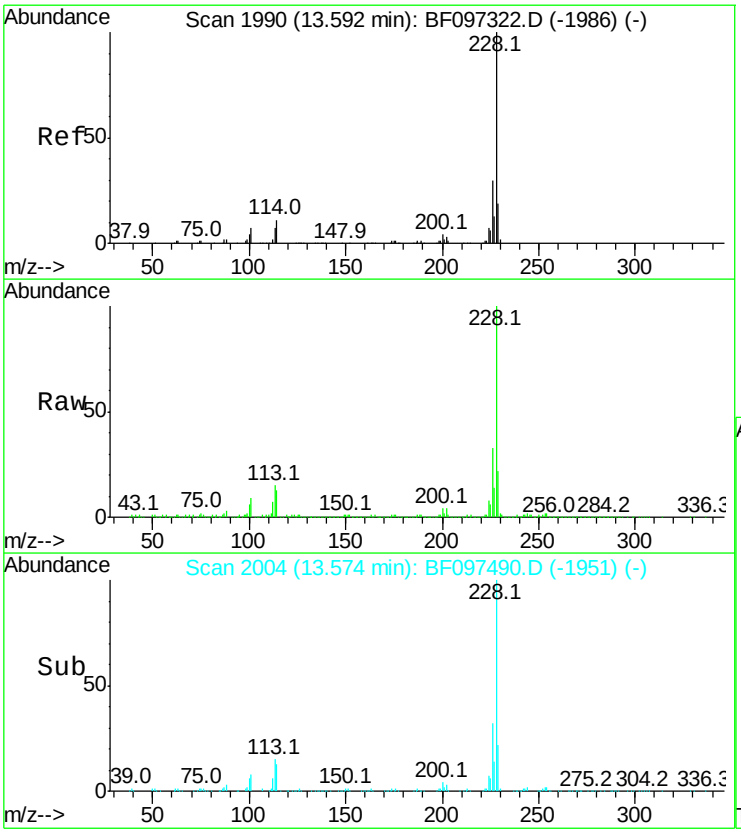
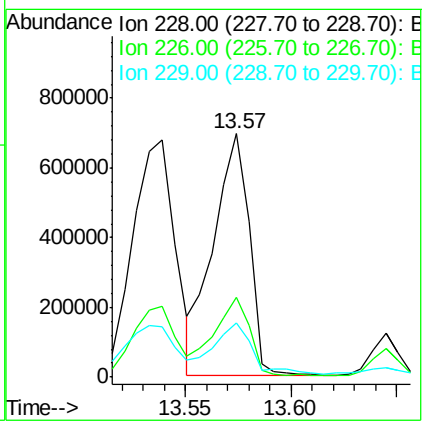
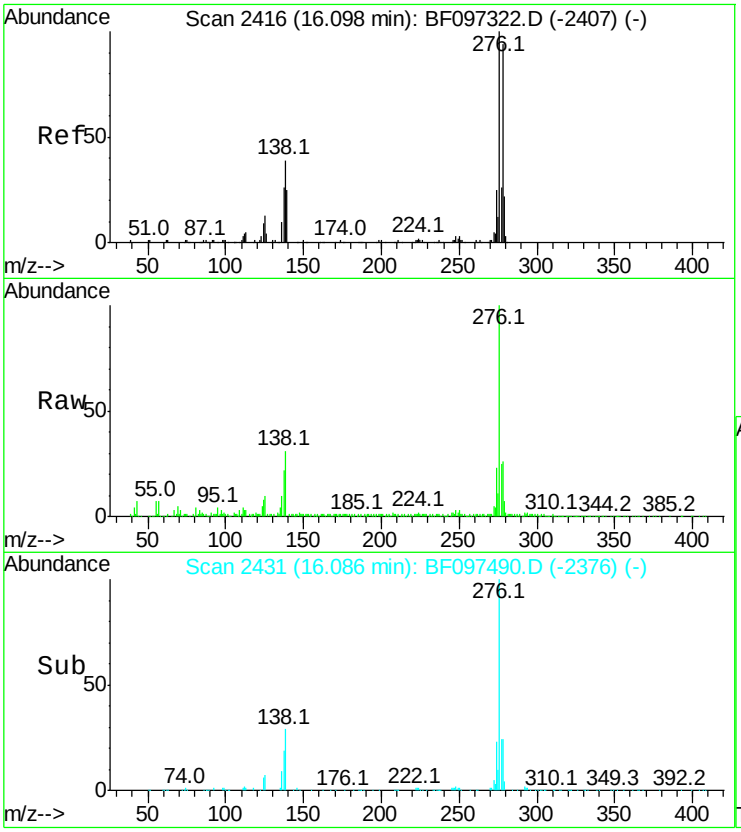


#82
Chrysene
Concen: 96.348 ng
RT: 13.57 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:228 Resp: 821403

Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.9	37.3
229	22.5	15.8	23.6

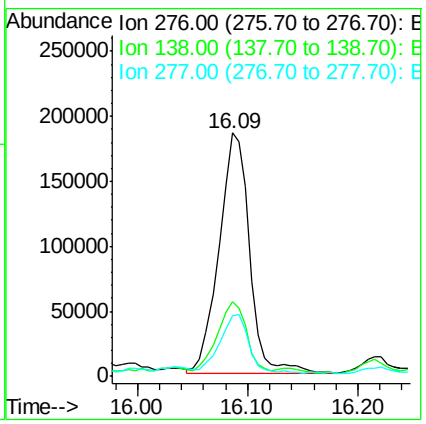




#85
Indeno(1,2,3-cd)pyrene
Concen: 48.555 ng
RT: 16.09 min Scan# 2431
Delta R.T. 0.02 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:276 Resp: 354957

Ion	Ratio	Lower	Upper
276	100		
138	29.5	27.8	41.6
277	22.4	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
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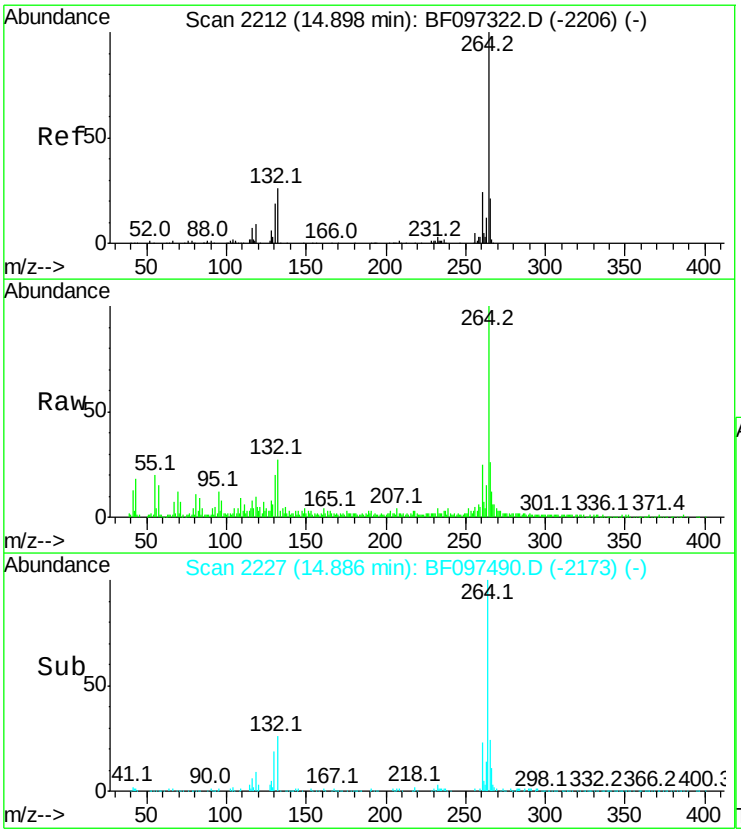
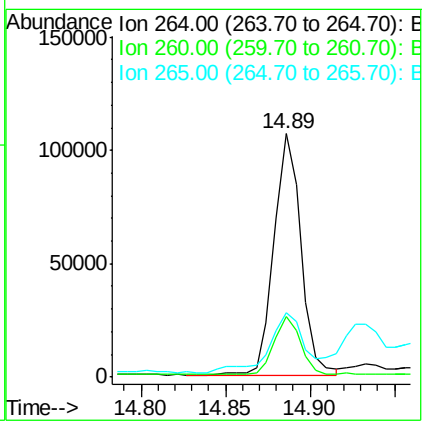
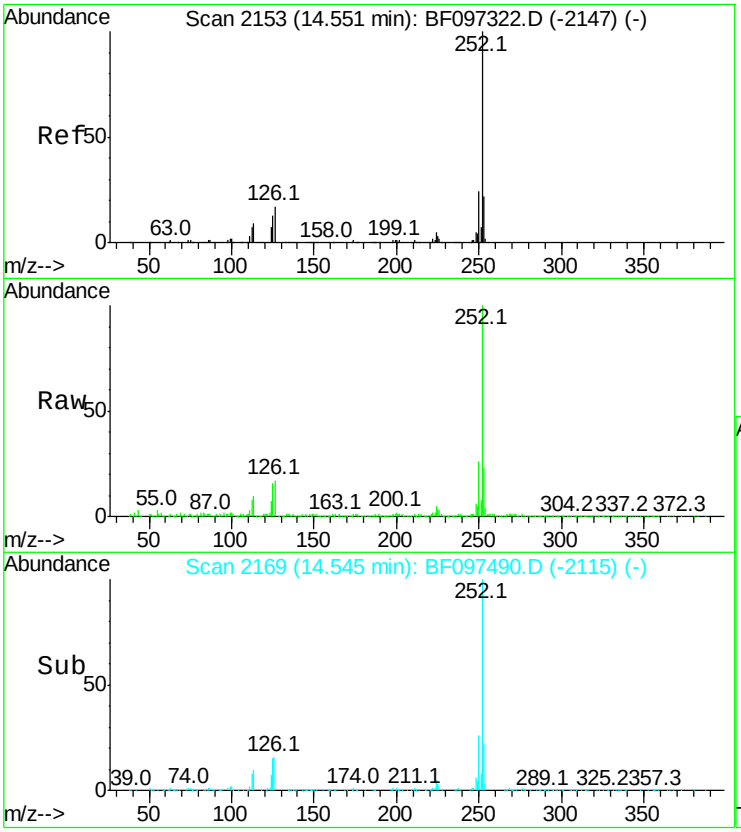


#86
Perylene-d12
Concen: 20.000 ng
RT: 14.89 min Scan# 2227
Delta R.T. 0.02 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:264 Resp: 119432

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	26.4	17.2	25.8#

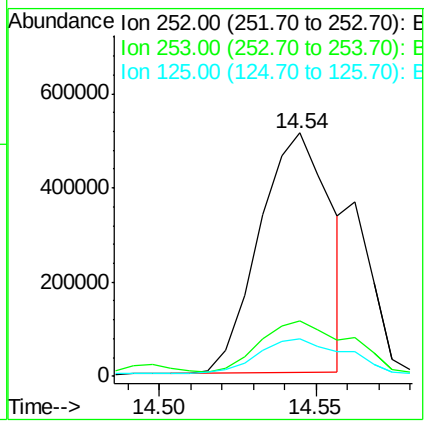




#87
Benzo(b)fluoranthene
Concen: 111.907 ng m
RT: 14.54 min Scan# 2169
Delta R.T. 0.02 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:252 Resp: 803417

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.5	9.8	14.8#



Instrument :
BNA_F
ClientSampleId :
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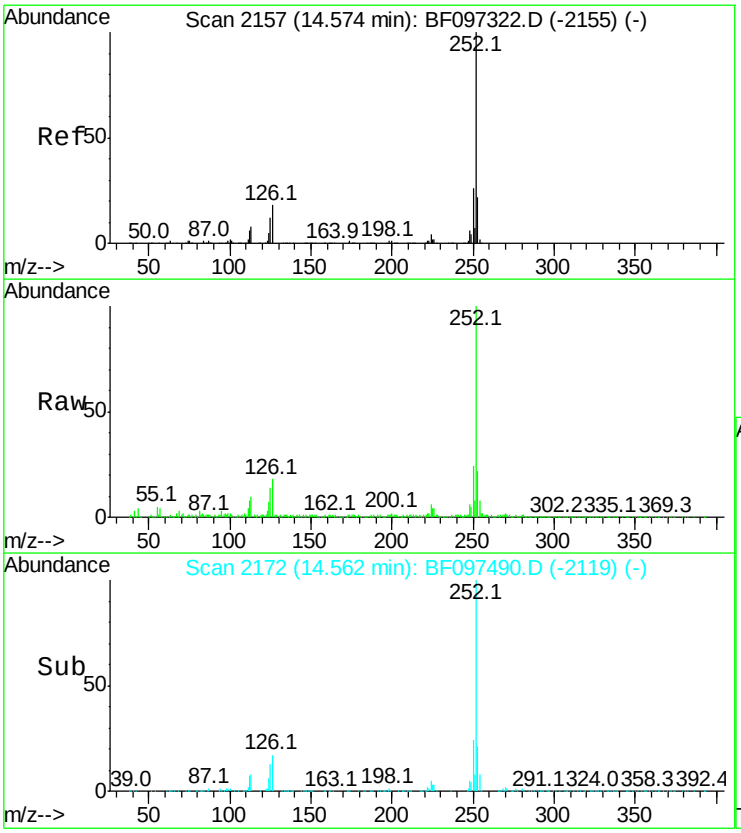
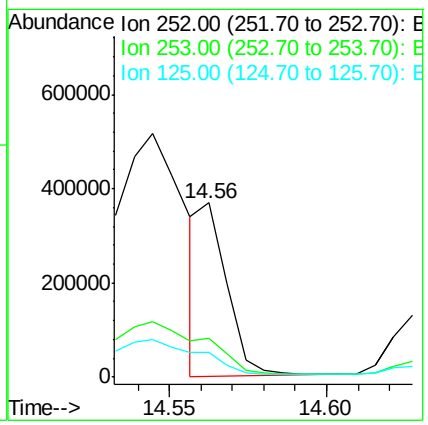
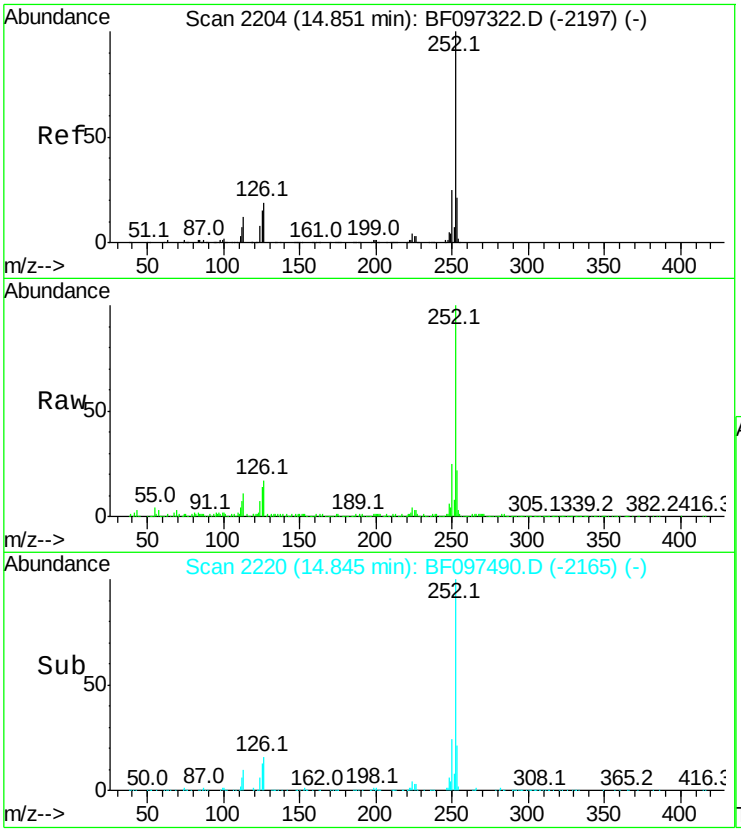


#88
Benzo(k)fluoranthene
Concen: 32.109 ng m
RT: 14.56 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:252 Resp: 219669

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	13.9	13.1	19.7

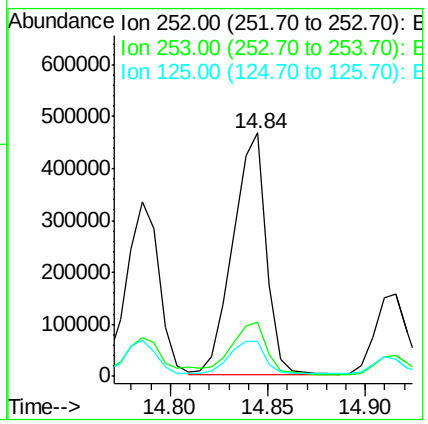




#89
Benzo(a)pyrene
Concen: 83.735 ng
RT: 14.84 min Scan# 2220
Delta R.T. 0.02 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:252 Resp: 550198

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	14.3	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
CL-01-080717-D

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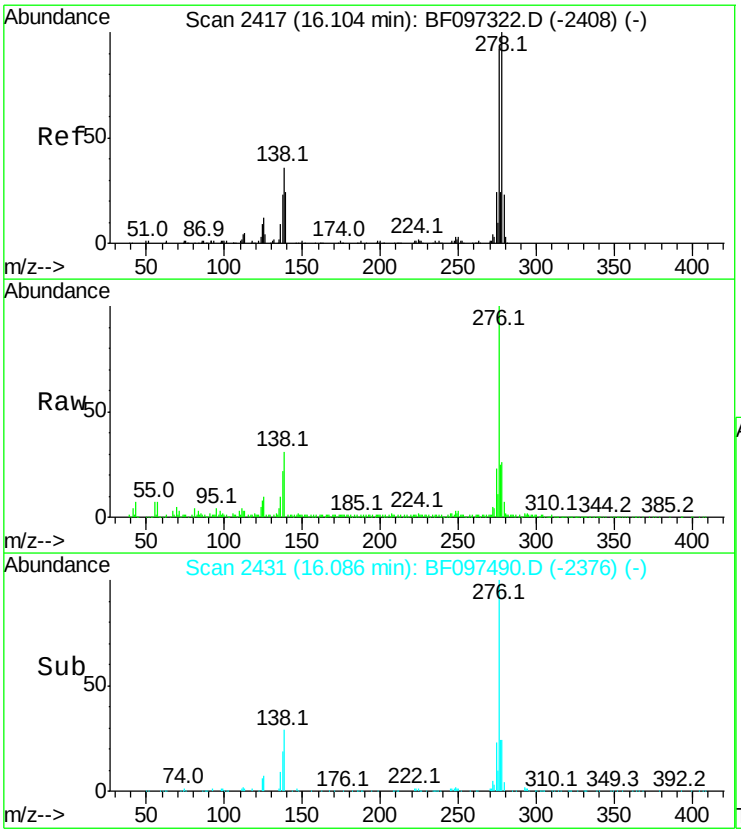
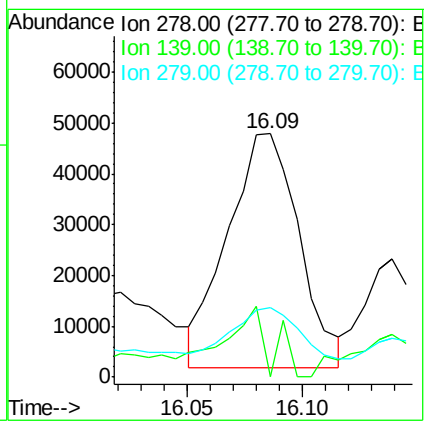
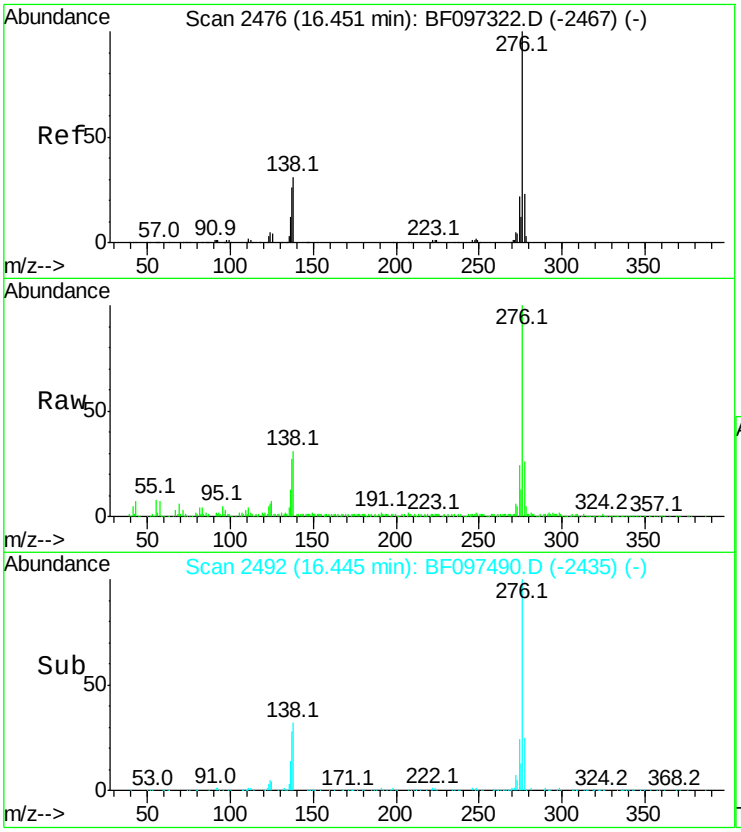


#90
Dibenzo(a,h)anthracene
Concen: 18.396 ng
RT: 16.09 min Scan# 2431
Delta R.T. 0.02 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:278 Resp: 99120

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	28.4	19.3	28.9

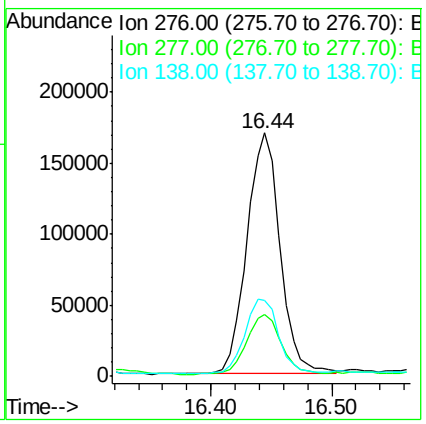




#91
Benzo(g,h,i)perylene
Concen: 57.055 ng
RT: 16.44 min Scan# 2492
Delta R.T. 0.04 min
Lab File: BF097490.D
Acq: 9 Aug 2017 1:23

Tgt Ion:276 Resp: 322392

Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	28.0
138	31.4	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
CL-01-080717-D

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