Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
Data File : BF099762.D
Acq On : 23 Oct 2017 16:45
Operator : SJ/JU
Sample : I5981-07RE 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-CRE

Manual Integrations APPROVED
Sohil
10/24/2017 8:40:56 PM

Quant Time: Oct 23 18:09:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 15:08:33 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	101266	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	425126	20.00	ng		0.00
38) Acenaphthene-d10	9.84	164	197429	20.00	ng		0.00
63) Phenanthrene-d10	11.33	188	313892	20.00	ng		0.00
75) Chrysene-d12	13.98	240	186707	20.00	ng		0.00
86) Perylene-d12	15.44	264	202233	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	51002	7.91	ng		0.00
7) Phenol-d6	6.45	99	160325	20.96	ng		0.00
23) Nitrobenzene-d5	7.37	82	94865	14.37	ng		-0.01
41) 2,4,6-Tribromophenol	10.64	330	2235	1.24	ng		0.00
44) 2-Fluorobiphenyl	9.16	172	217060	16.96	ng		0.00
78) Terphenyl-d14	12.91	244	138869	16.25	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.11	128	110893	5.404	ng		99
37) 2-Methylnaphthalene	8.80	142	67025	4.874	ng		98
51) Acenaphthene	9.87	154	54392	4.456	ng		97
54) Dibenzofuran	10.05	168	52113	3.024	ng		95
57) Fluorene	10.39	166	92074	6.454	ng		98
70) Phenanthrene	11.36	178	440945	24.892	ng		98
71) Anthracene	11.41	178	124802	6.941	ng		98
74) Fluoranthene	12.55	202	372265	20.222	ng		96
77) Pyrene	12.78	202	359527	25.324	ng		98
80) Benzo(a)anthracene	13.97	228	164229	13.875	ng		98
82) Chrysene	14.00	228	125777	11.303	ng		98
85) Indeno(1,2,3-cd)pyrene	16.92	276	86724	8.490	ng		96
87) Benzo(b)fluoranthene	15.02	252	195592m	15.316	ng		
88) Benzo(k)fluoranthene	15.04	252	53033m	4.404	ng		
89) Benzo(a)pyrene	15.39	252	145053	12.645	ng		99
90) Dibenzo(a,h)anthracene	16.92	278	22396	2.197	ng	#	74
91) Benzo(g,h,i)perylene	17.36	276	85411	8.565	ng		96

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

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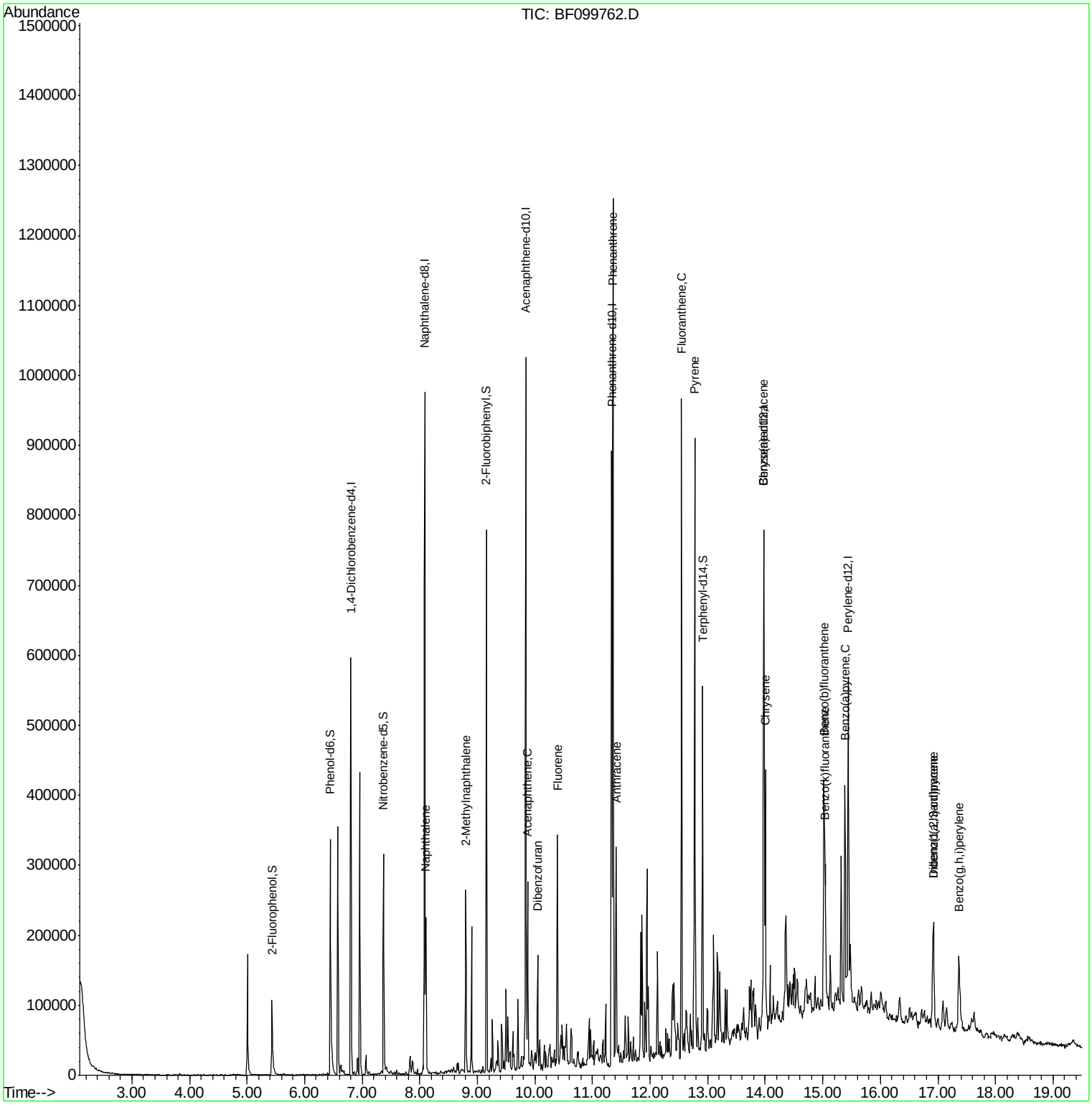
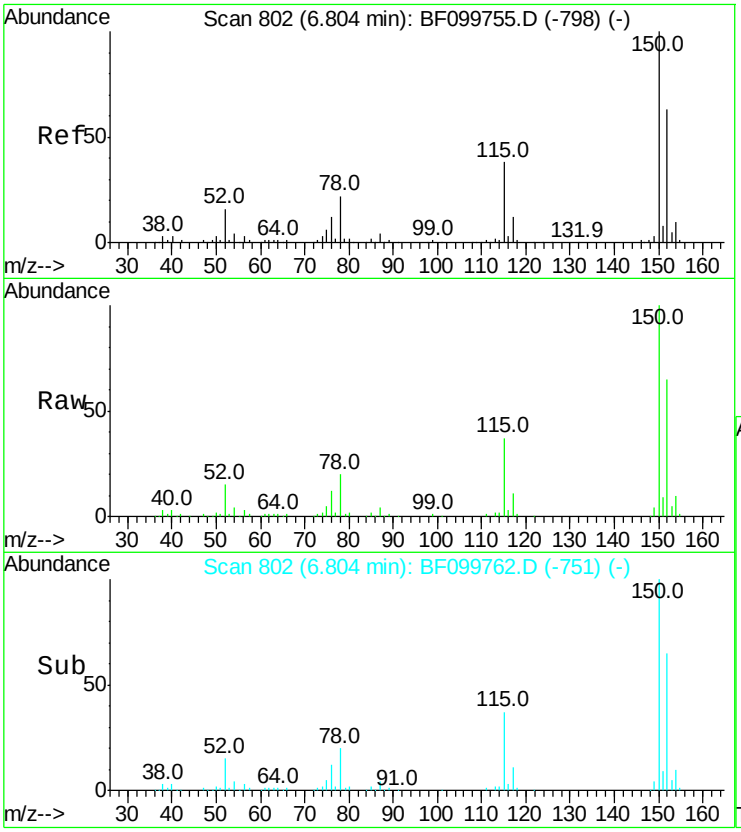
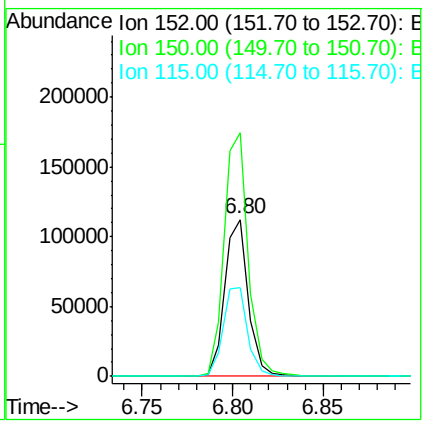




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:152 Resp: 101266

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	56.6	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
NB-01-101817-CRE

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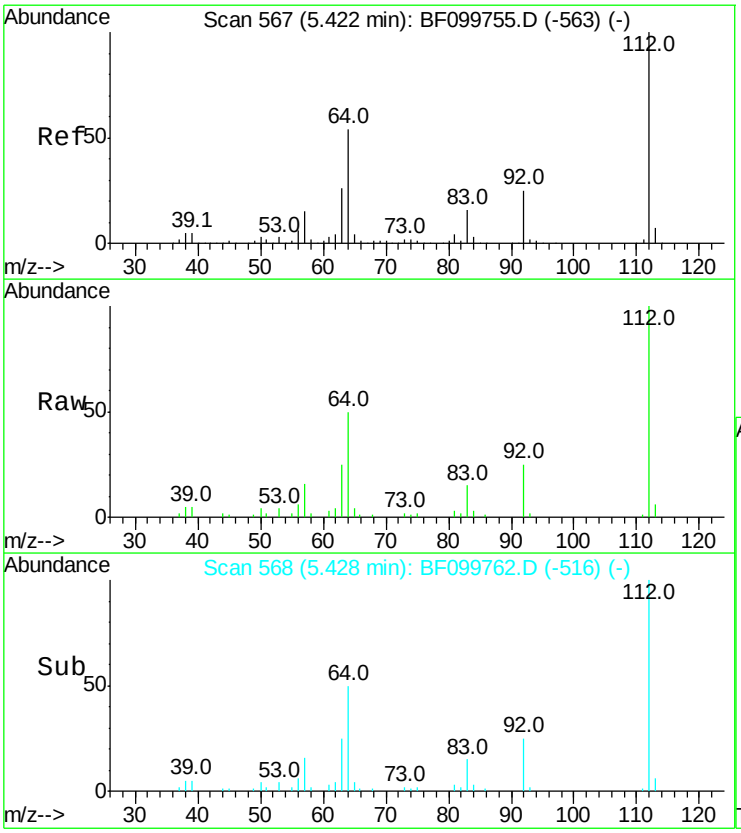
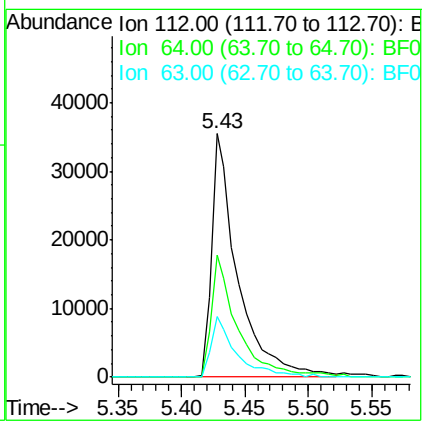
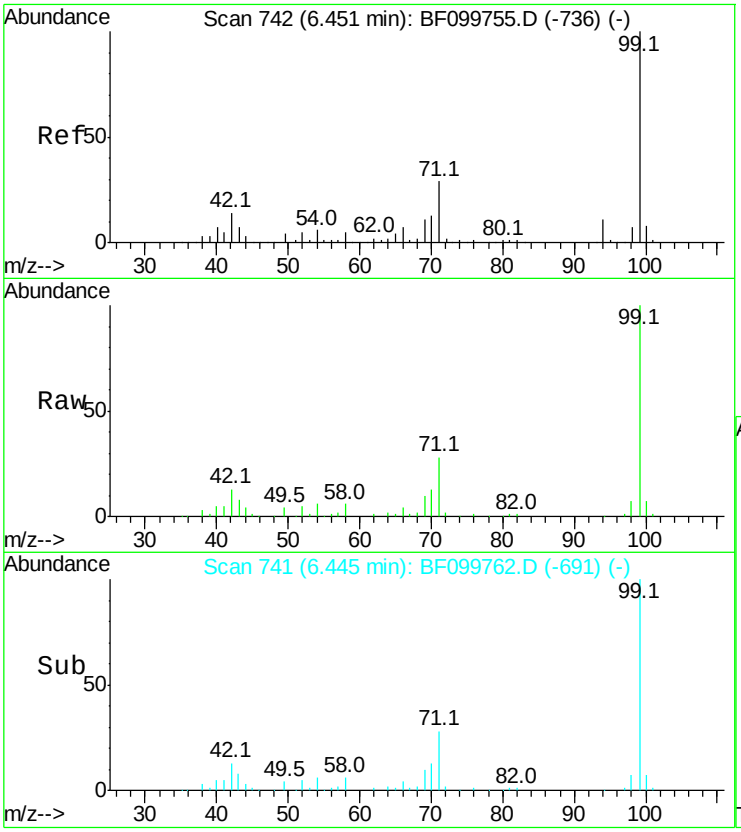


#5
2-Fluorophenol
Concen: 7.907 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:112 Resp: 51002

Ion	Ratio	Lower	Upper
112	100		
64	50.1	47.9	71.9
63	25.0	23.7	35.5

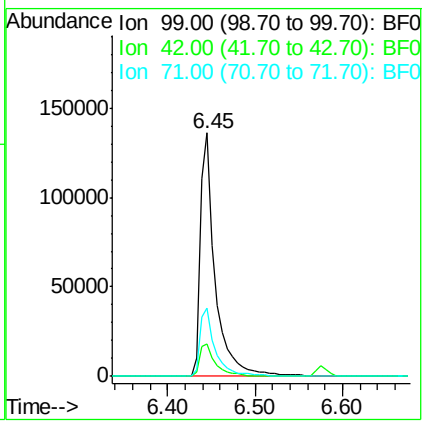




#7
Phenol-d6
Concen: 20.963 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion: 99 Resp: 160325

Ion	Ratio	Lower	Upper
99	100		
42	13.3	14.5	21.7#
71	28.1	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
NB-01-101817-CRE

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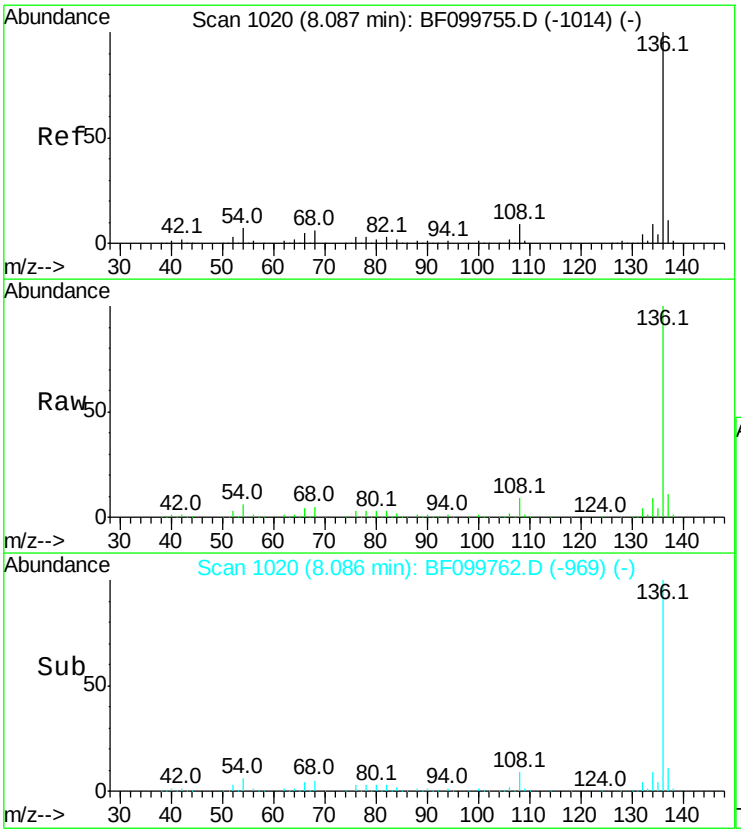
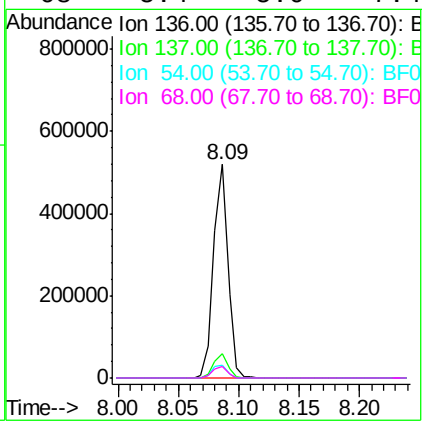
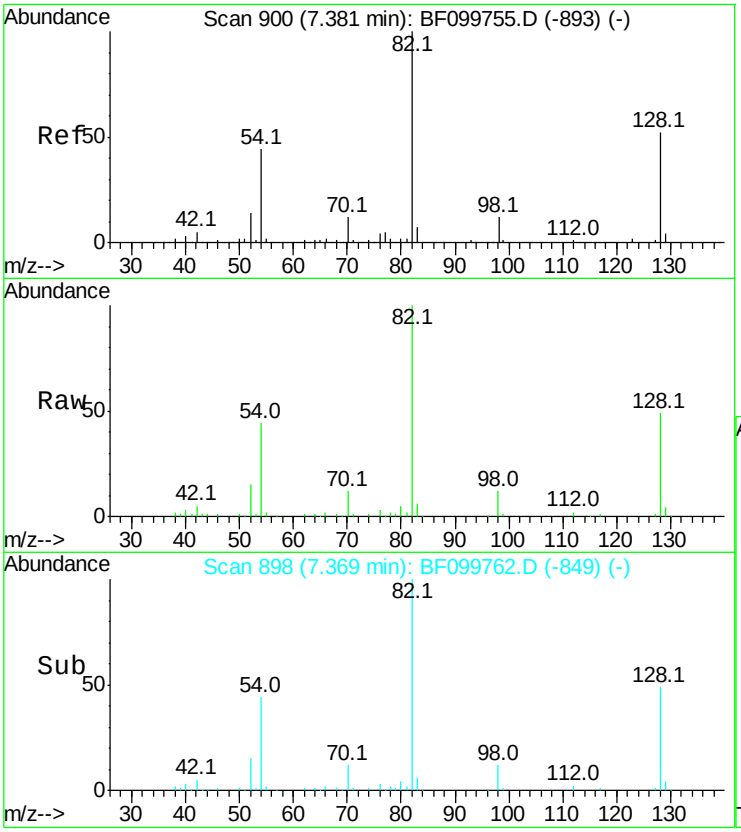


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:136 Resp: 425126

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.3	6.6	9.8#
68	5.4	5.0	7.4

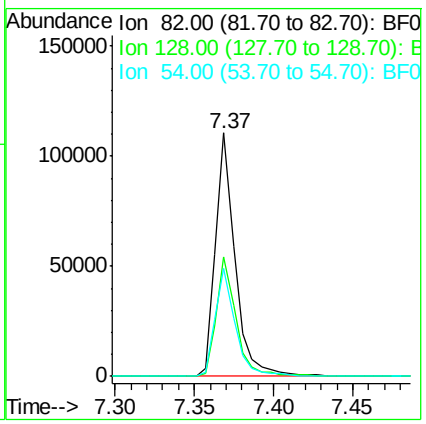




#23
Nitrobenzene-d5
Concen: 14.366 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion: 82 Resp: 94865

Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	44.1	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
NB-01-101817-CRE

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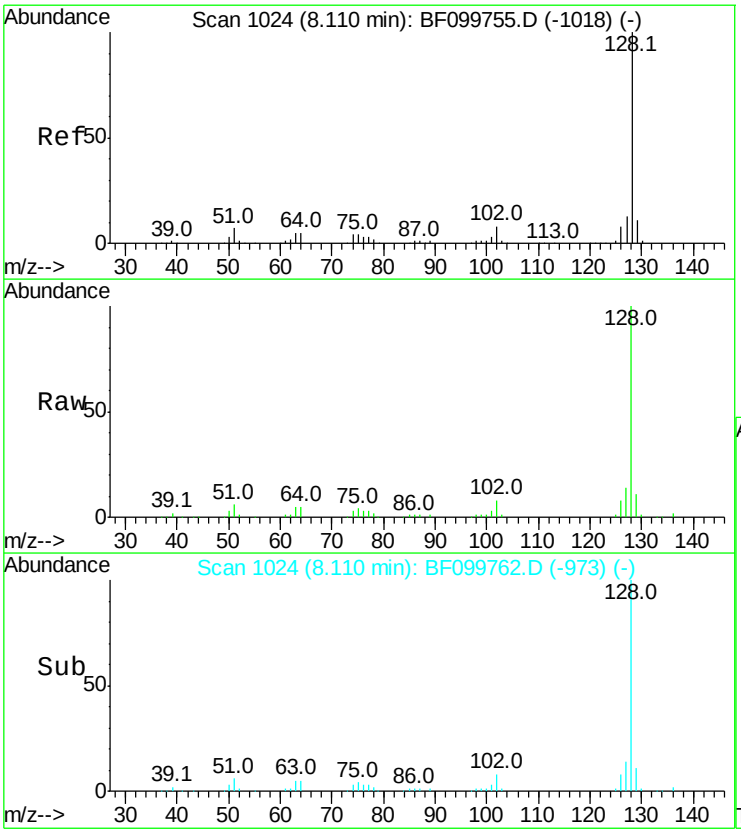
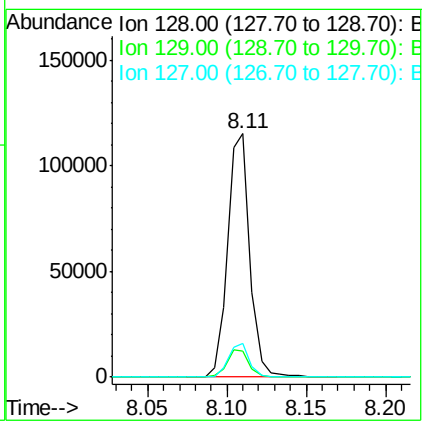
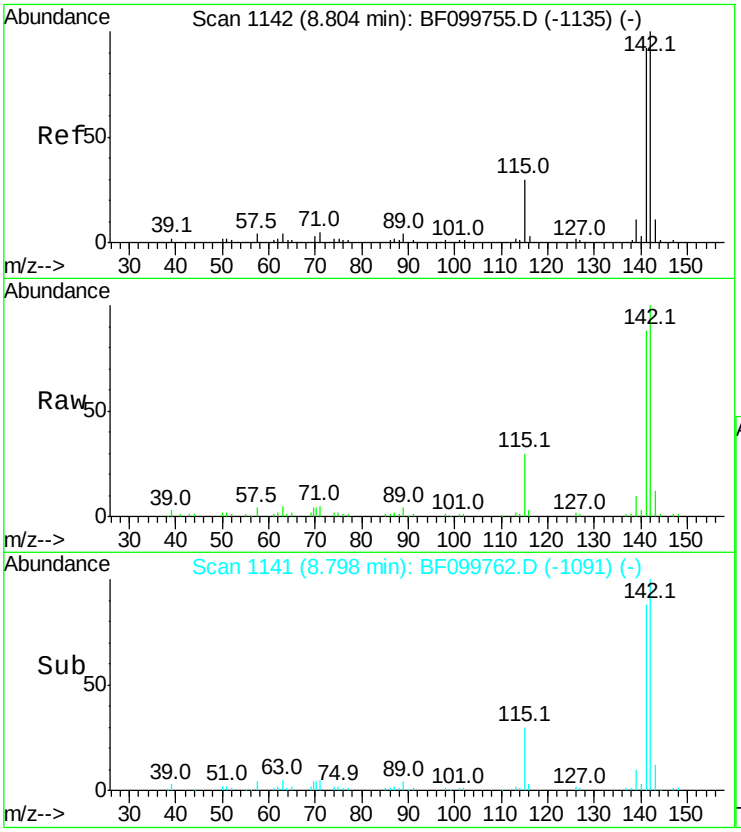


#31
Naphthalene
Concen: 5.404 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:128 Resp: 110893

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.7	10.9	16.3

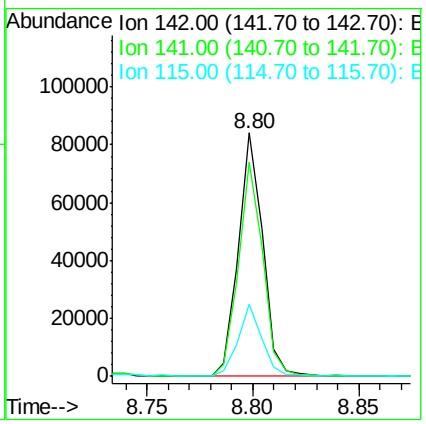




#37
2-Methylnaphthalene
Concen: 4.874 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:142 Resp: 67025

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.8	106.2
115	29.5	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
NB-01-101817-CRE

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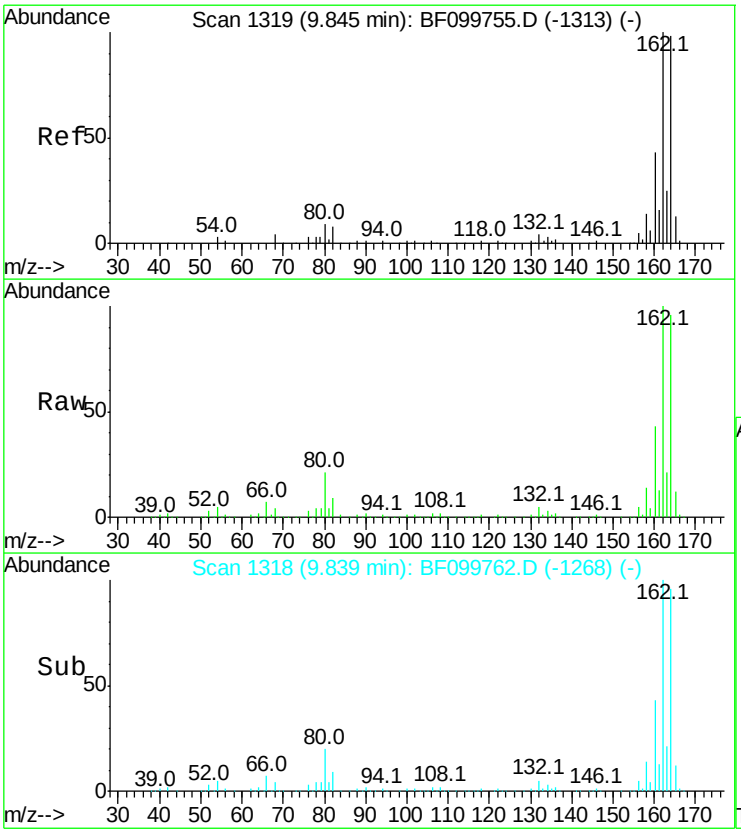
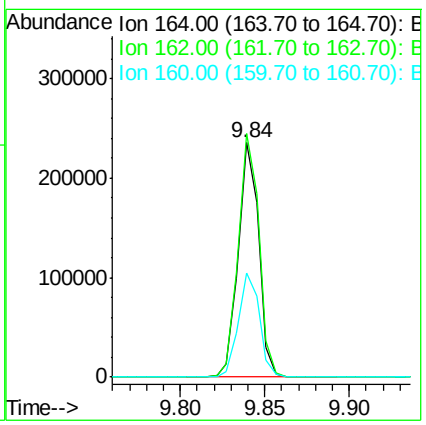
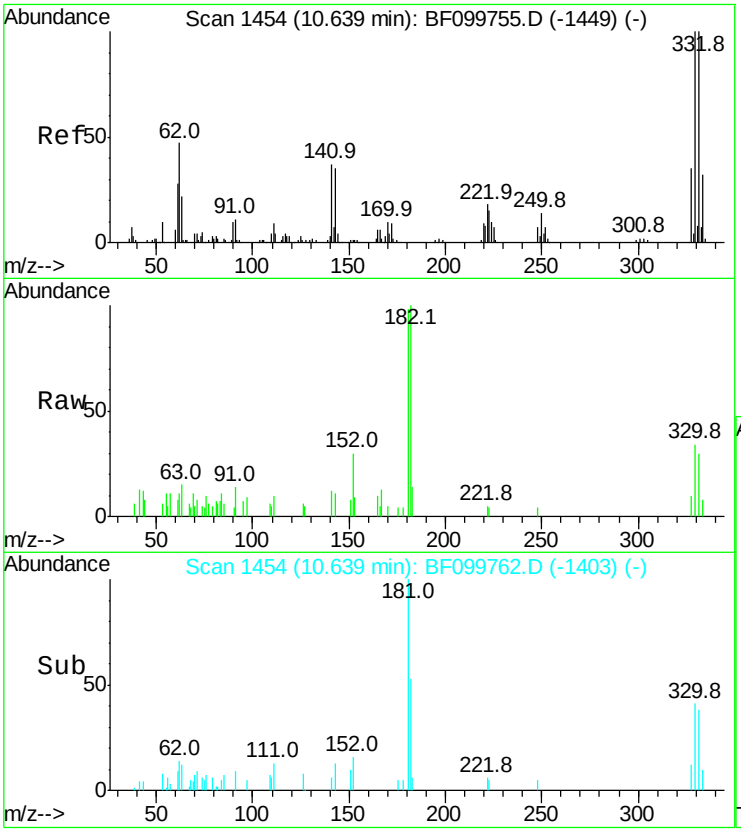


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:164 Resp: 197429

Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	44.3	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 1.242 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:330 Resp: 2235

Ion	Ratio	Lower	Upper
330	100		
332	87.7	77.0	115.6
141	57.1	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-CRE

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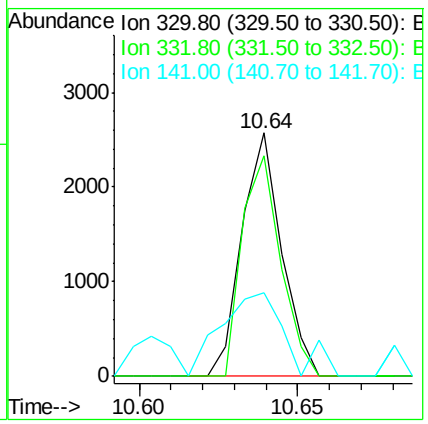
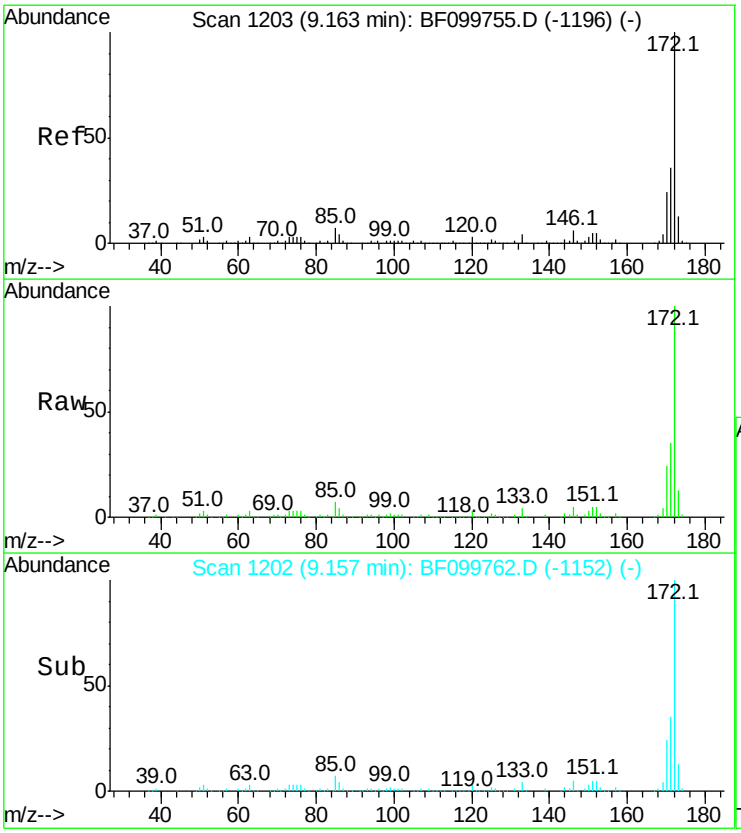
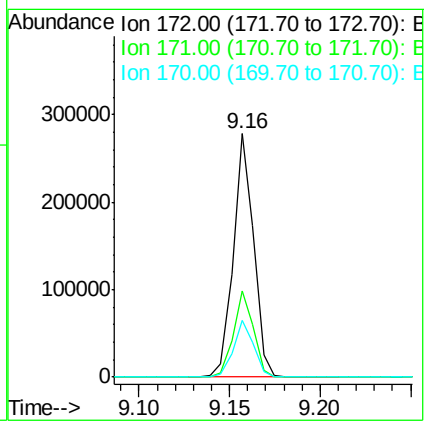


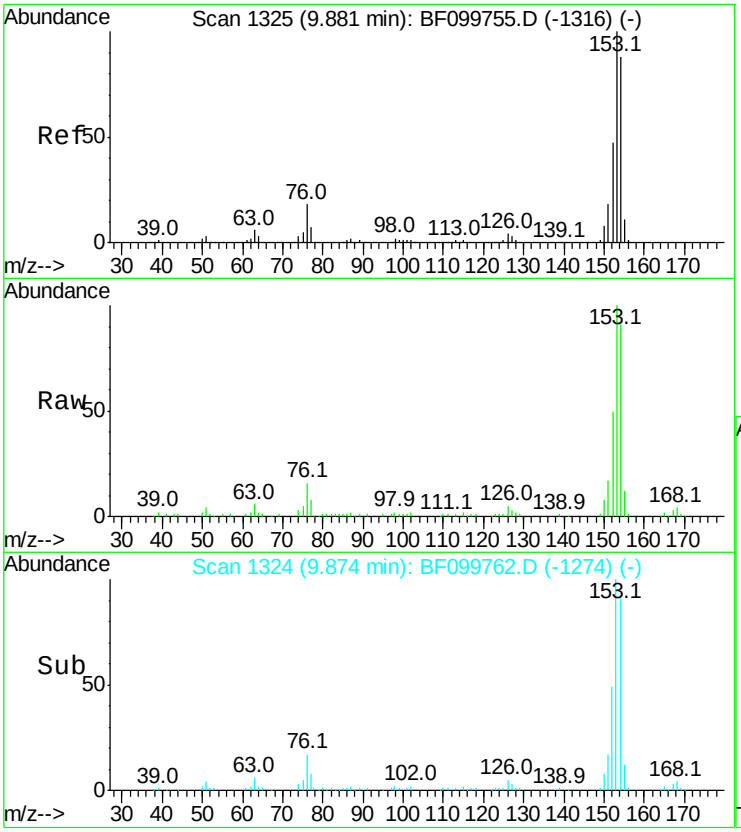


#44
2-Fluorobiphenyl
Concen: 16.962 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:172 Resp: 217060

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.6	19.6	29.4

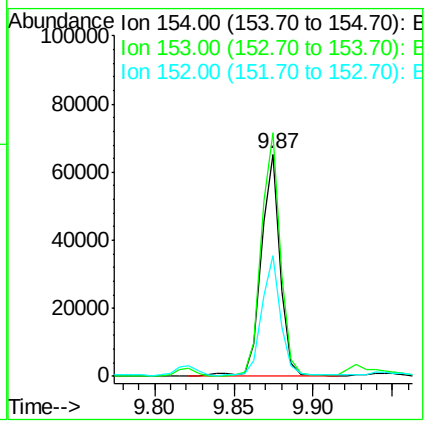




#51
Acenaphthene
Concen: 4.456 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:154 Resp: 54392

Ion	Ratio	Lower	Upper
154	100		
153	109.6	91.2	136.8
152	54.5	43.8	65.8



Instrument :
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ClientSampleId :
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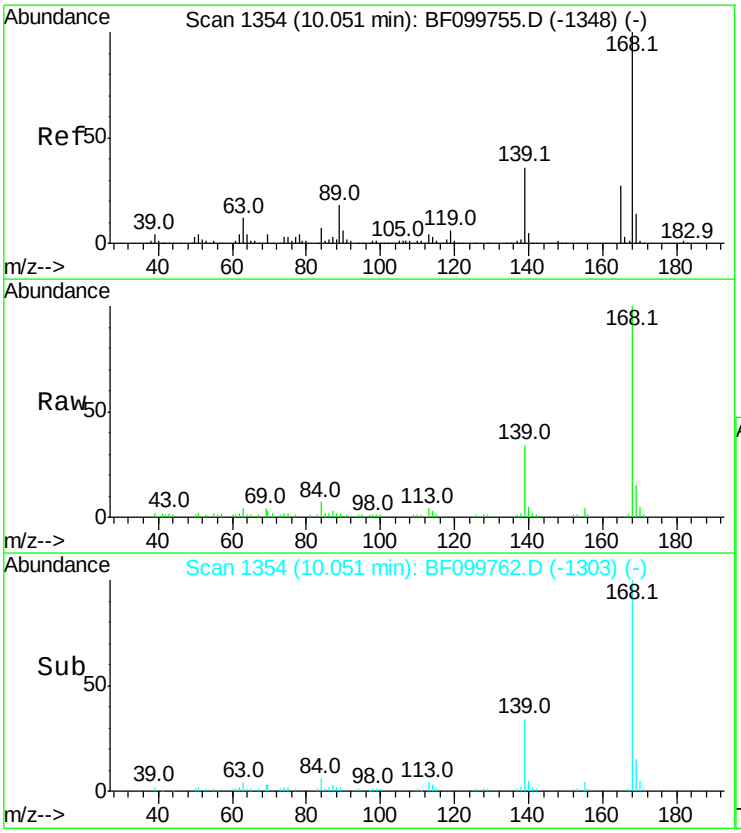
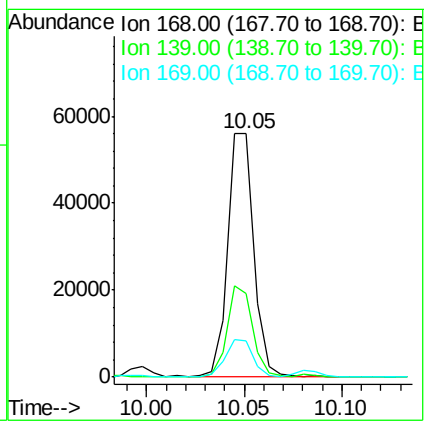
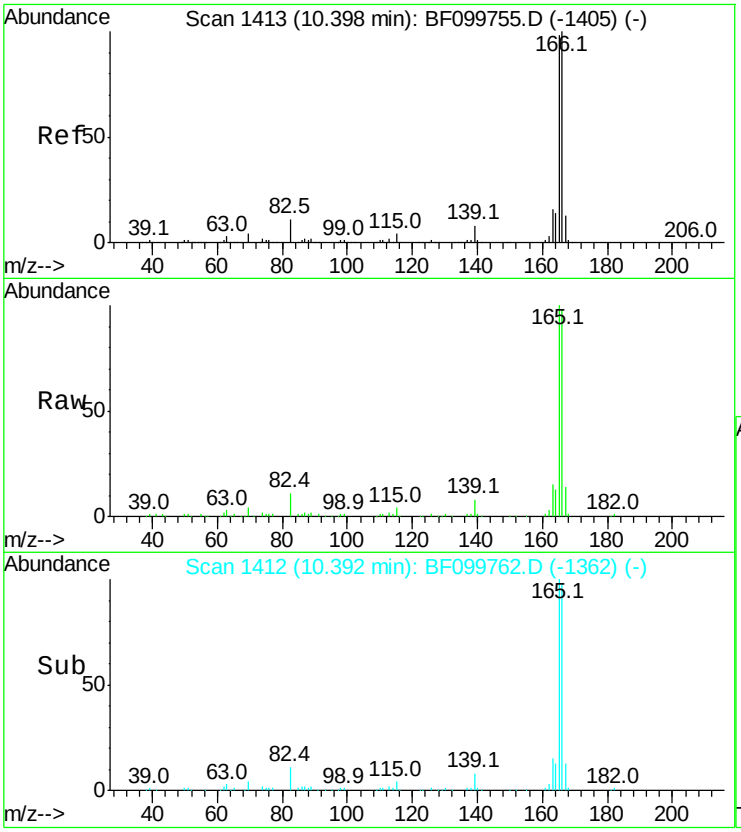


#54
Dibenzofuran
Concen: 3.024 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:168 Resp: 52113

Ion	Ratio	Lower	Upper
168	100		
139	34.5	30.1	45.1
169	14.7	10.9	16.3

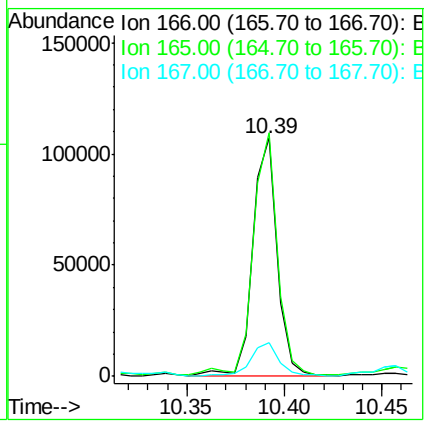




#57
Fluorene
Concen: 6.454 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:166 Resp: 92074

Ion	Ratio	Lower	Upper
166	100		
165	102.2	79.8	119.8
167	14.1	10.6	16.0



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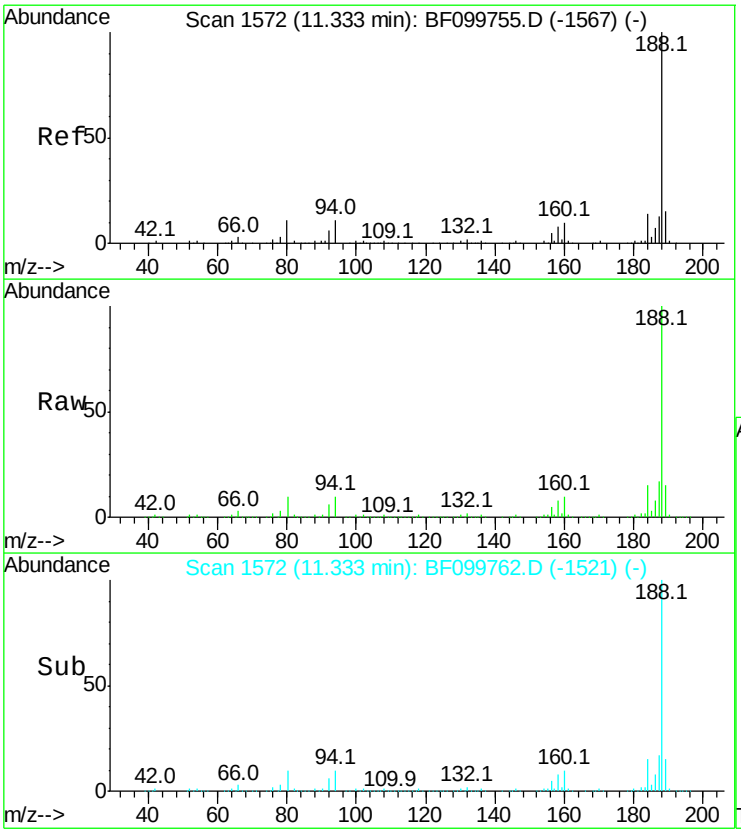
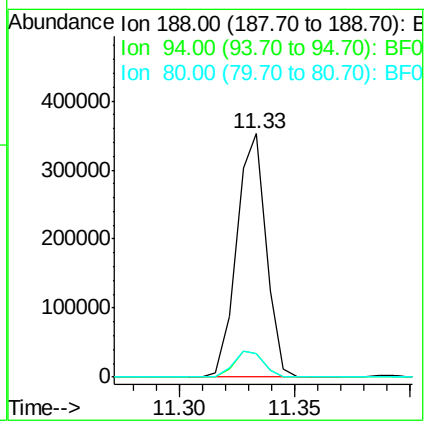
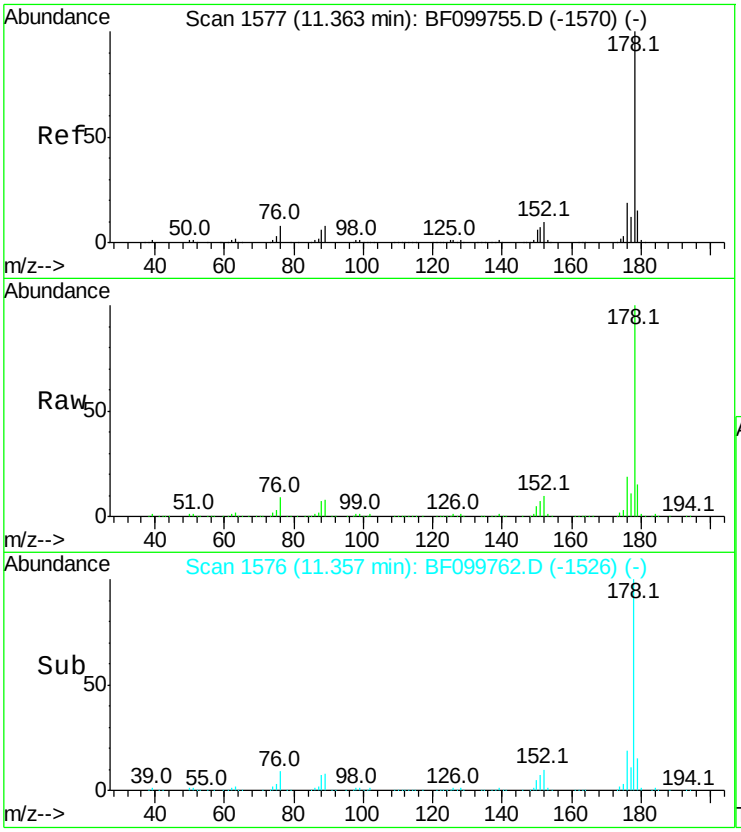


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:188 Resp: 313892

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	9.8	9.2	13.8

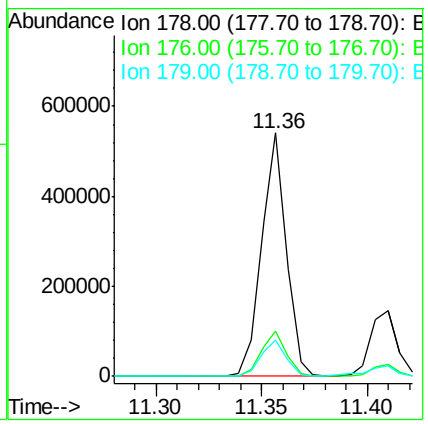




#70
Phenanthrene
Concen: 24.892 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:178 Resp: 440945

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.2	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
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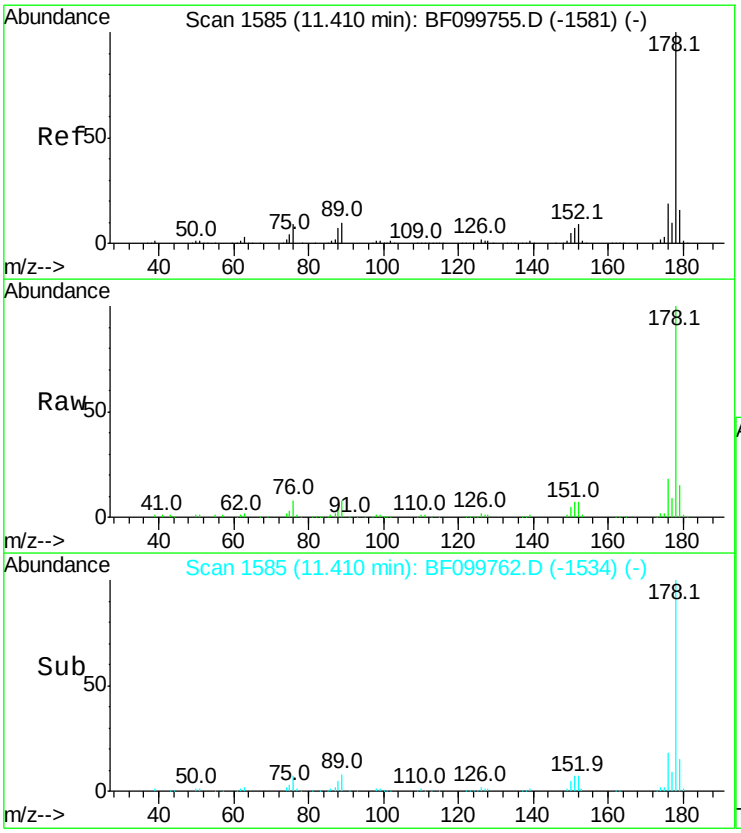
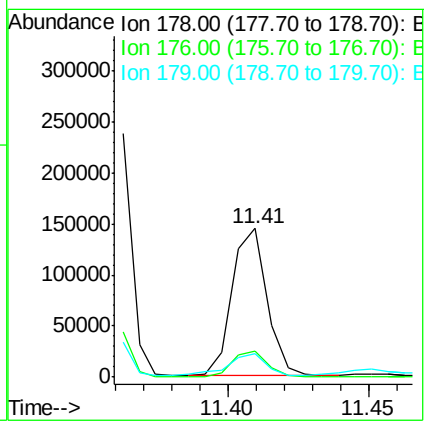
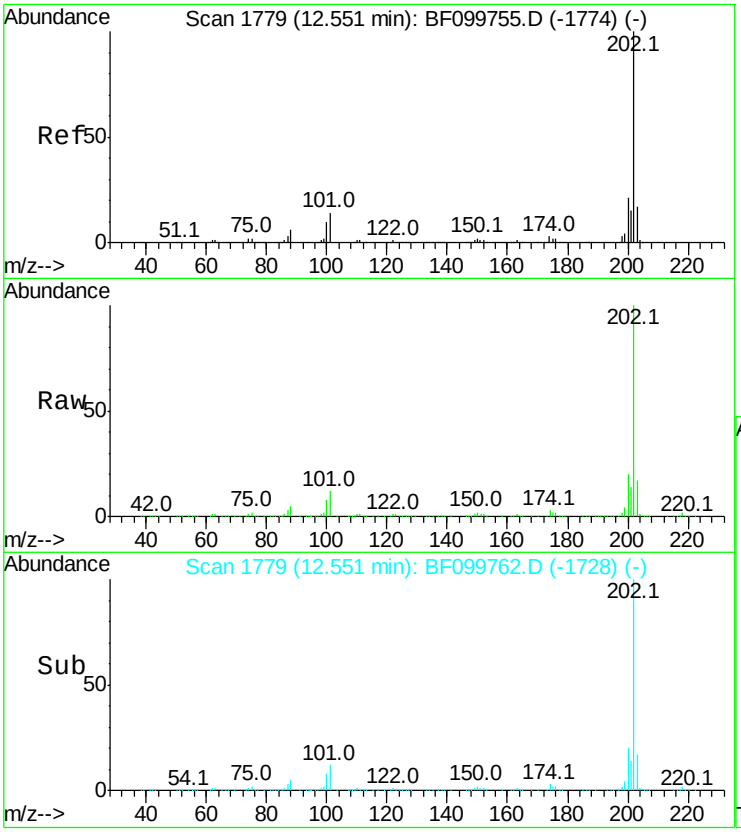


#71
Anthracene
Concen: 6.941 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:178 Resp: 124802

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	15.4	12.6	19.0

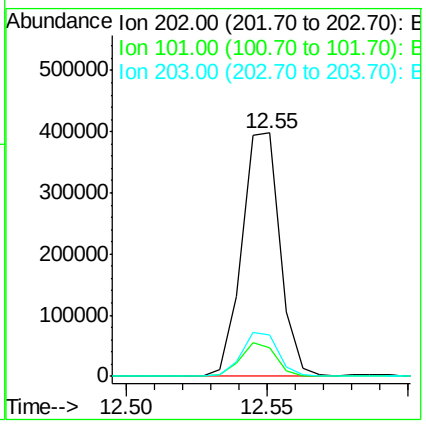




#74
Fluoranthene
Concen: 20.222 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:202 Resp: 372265

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.0	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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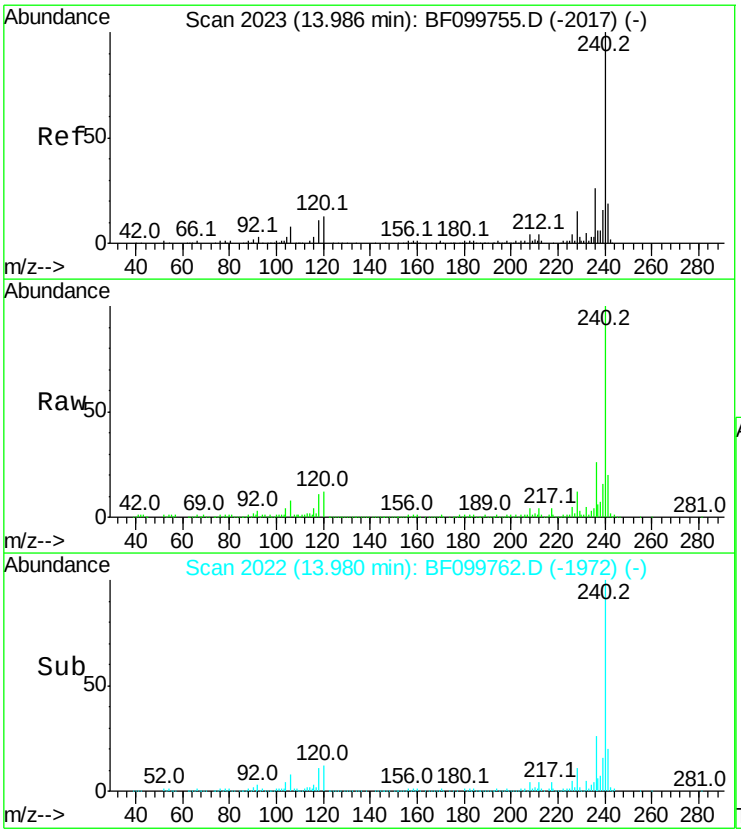
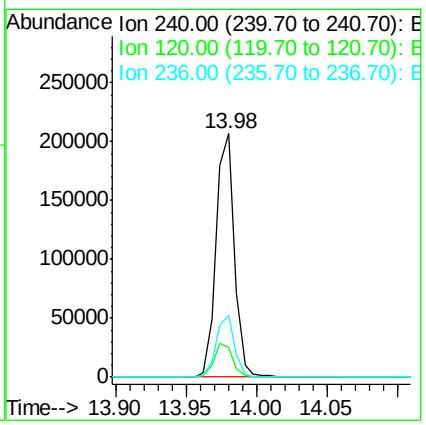
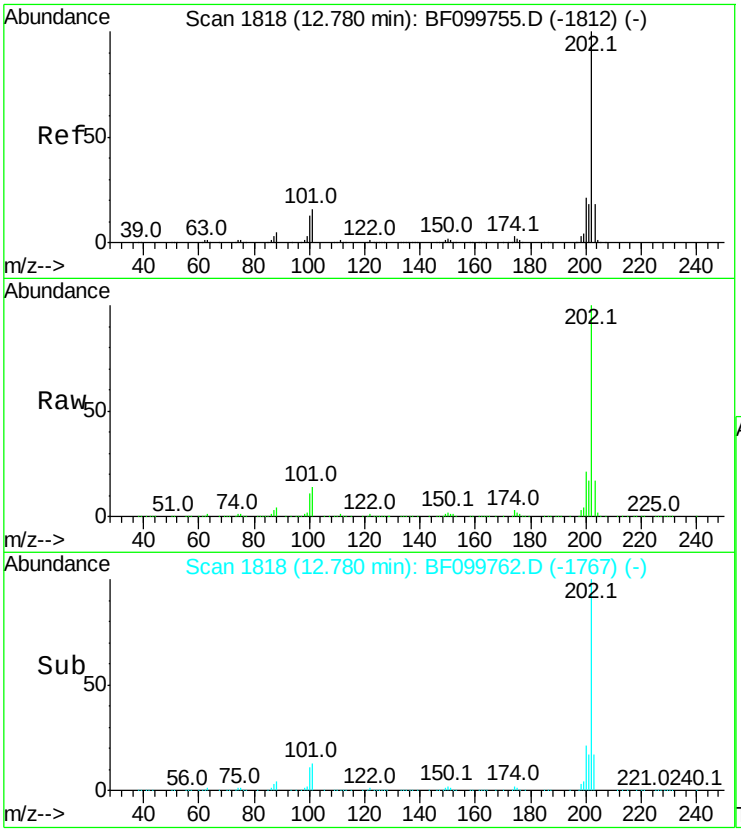


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:240 Resp: 186707

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.6	20.7	31.1

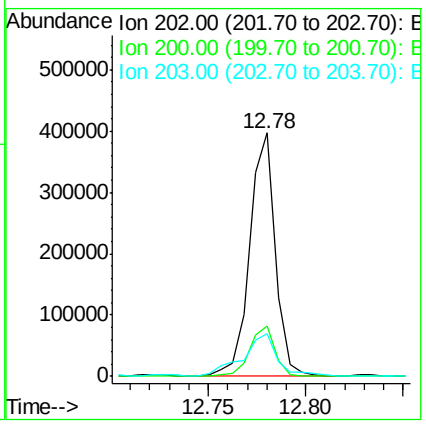




#77
Pyrene
Concen: 25.324 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:202 Resp: 359527

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.4	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
NB-01-101817-CRE

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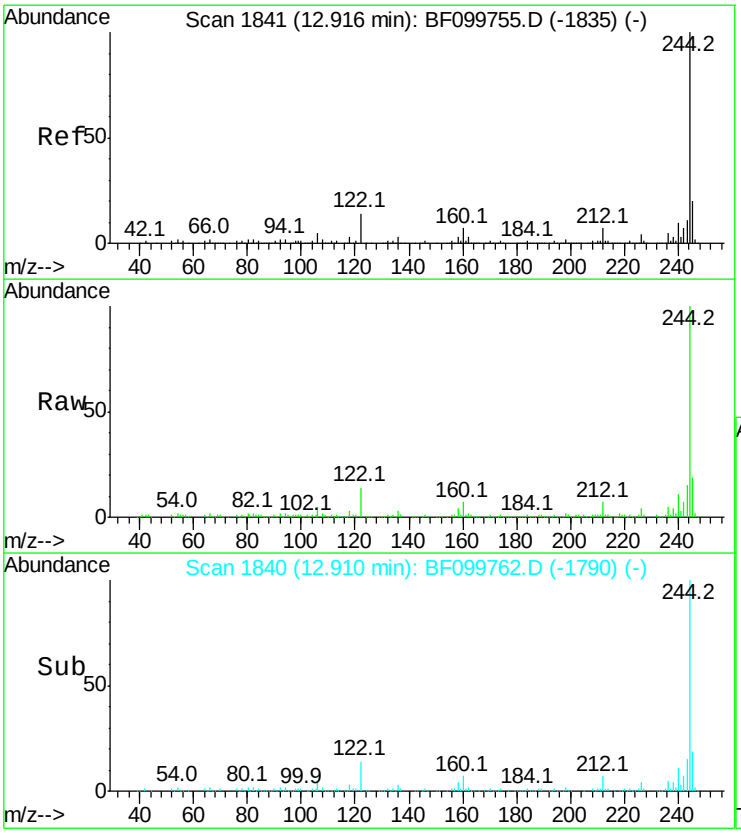
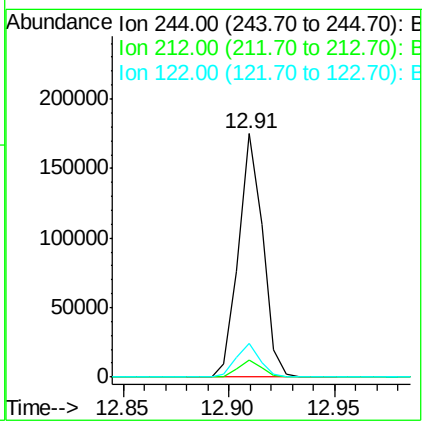
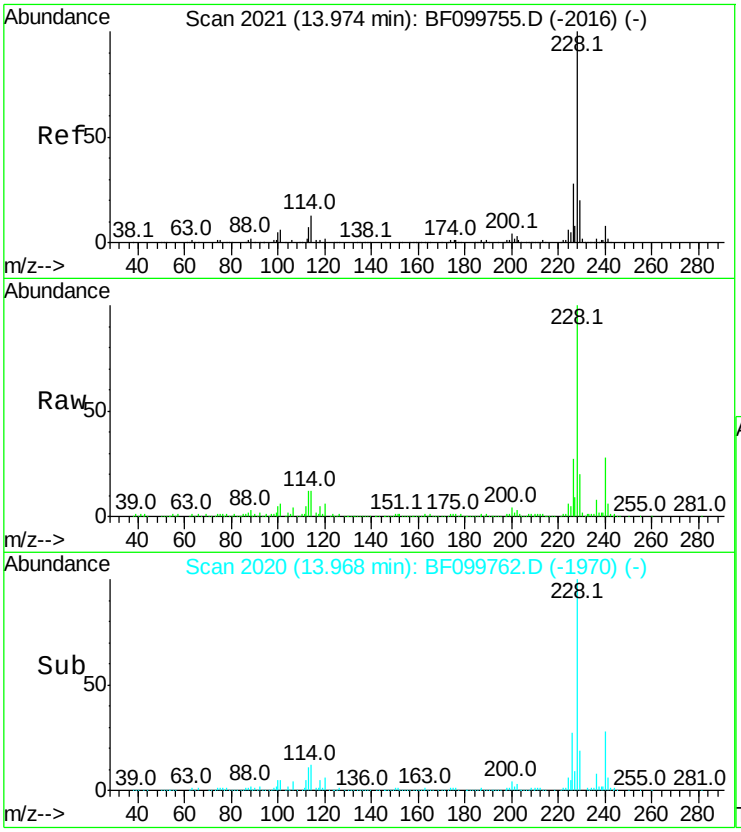


#78
Terphenyl-d14
Concen: 16.254 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:244 Resp: 138869

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.6	11.0	16.4

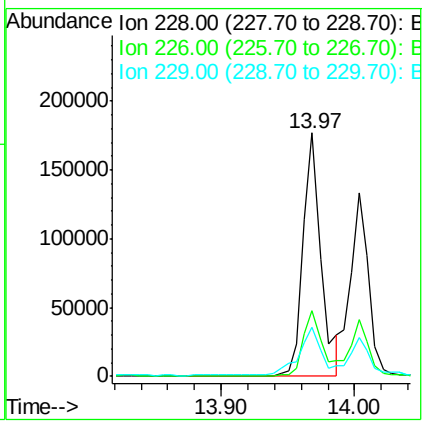




#80
Benzo(a)anthracene
Concen: 13.875 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:228 Resp: 164229

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.1	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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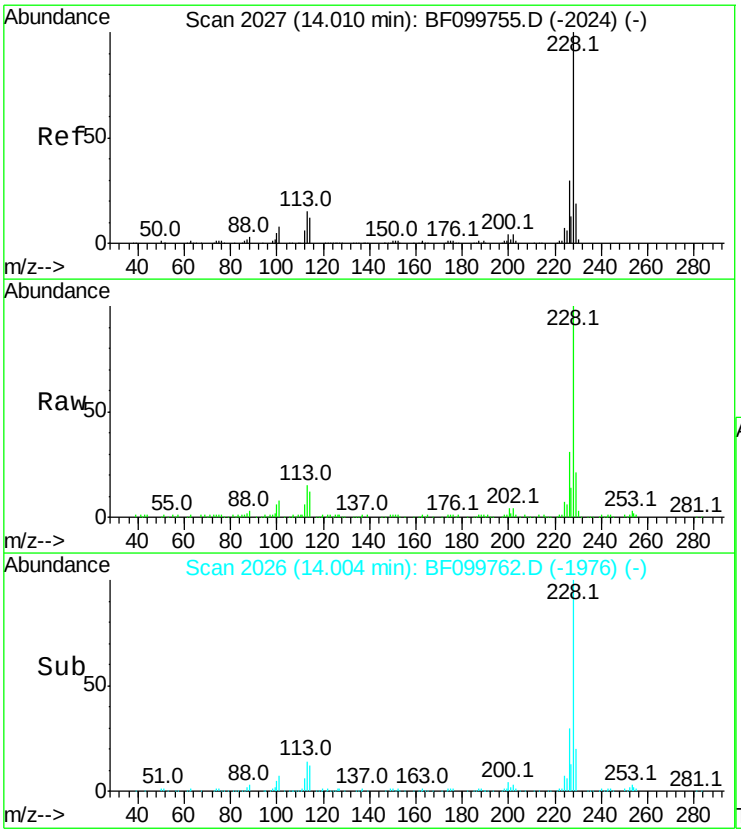
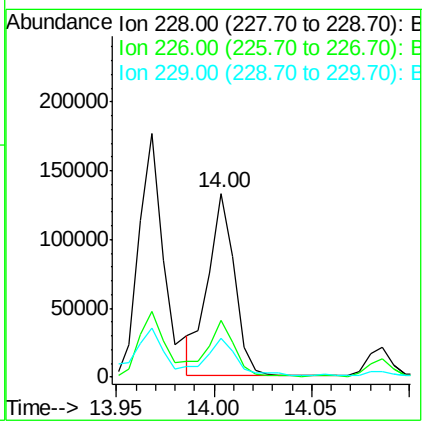
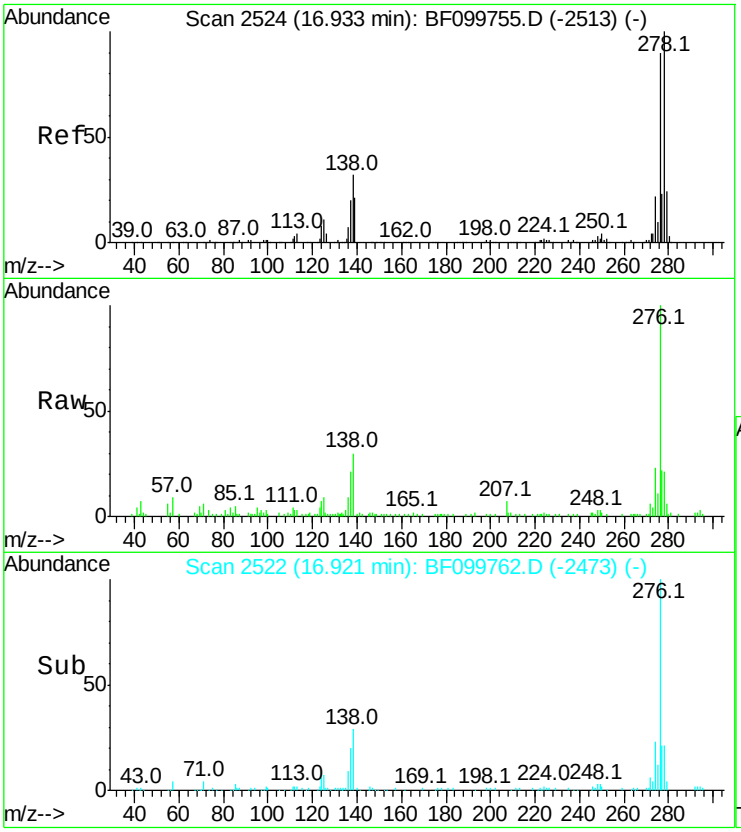


#82
Chrysene
Concen: 11.303 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:228 Resp: 125777

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.4	16.2	24.4

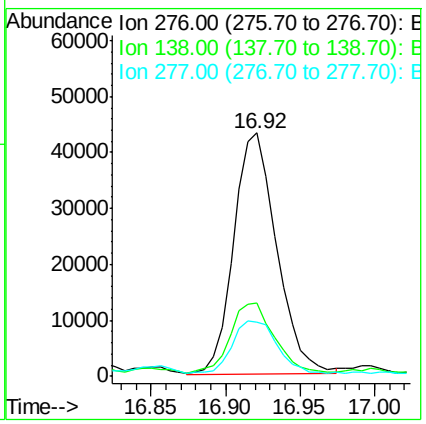




#85
Indeno(1,2,3-cd)pyrene
Concen: 8.490 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:276 Resp: 86724

Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	22.5	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
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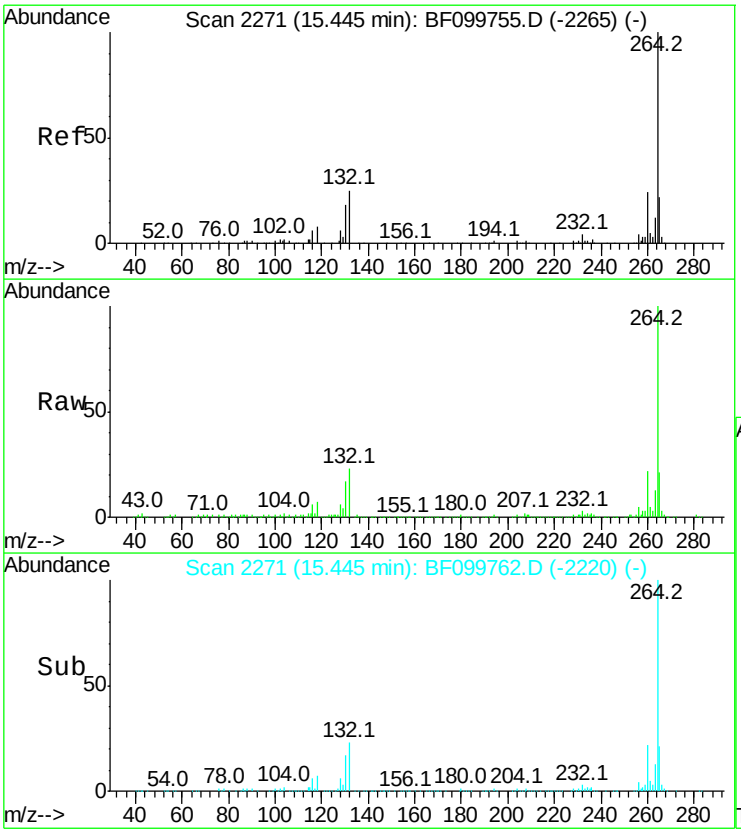
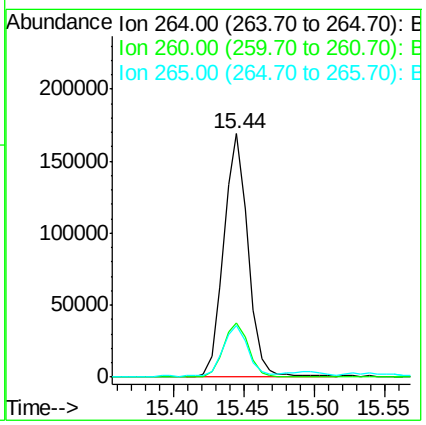
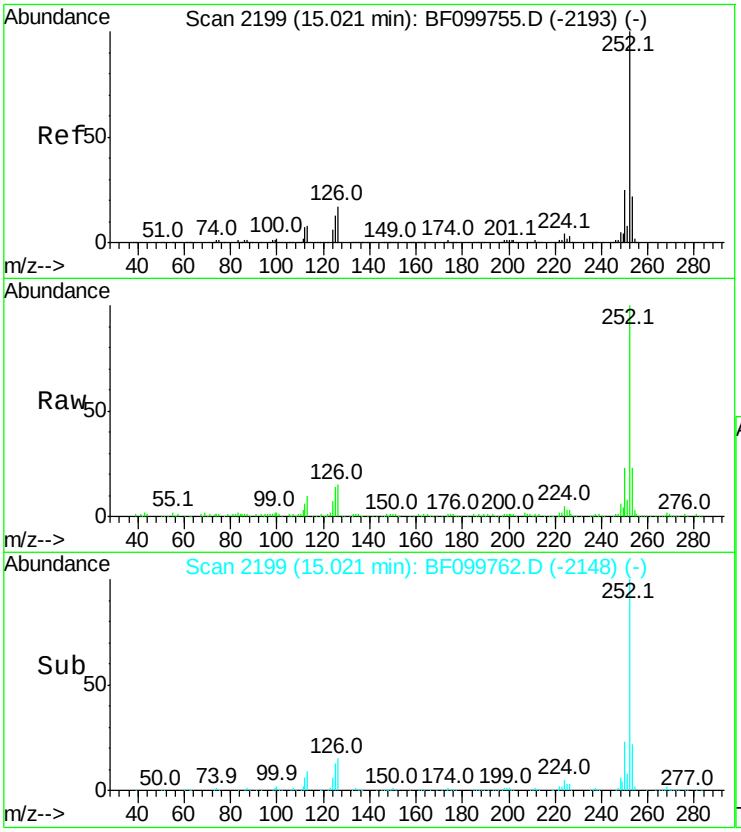


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:264 Resp: 202233

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	21.4	17.5	26.3

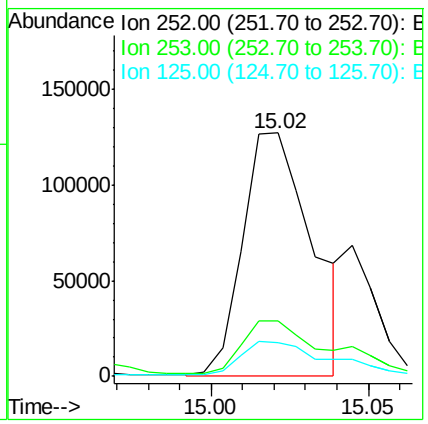




#87
Benzo(b)fluoranthene
Concen: 15.316 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:252 Resp: 195592

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.8	9.0	13.6#



Instrument :
BNA_F
ClientSampleId :
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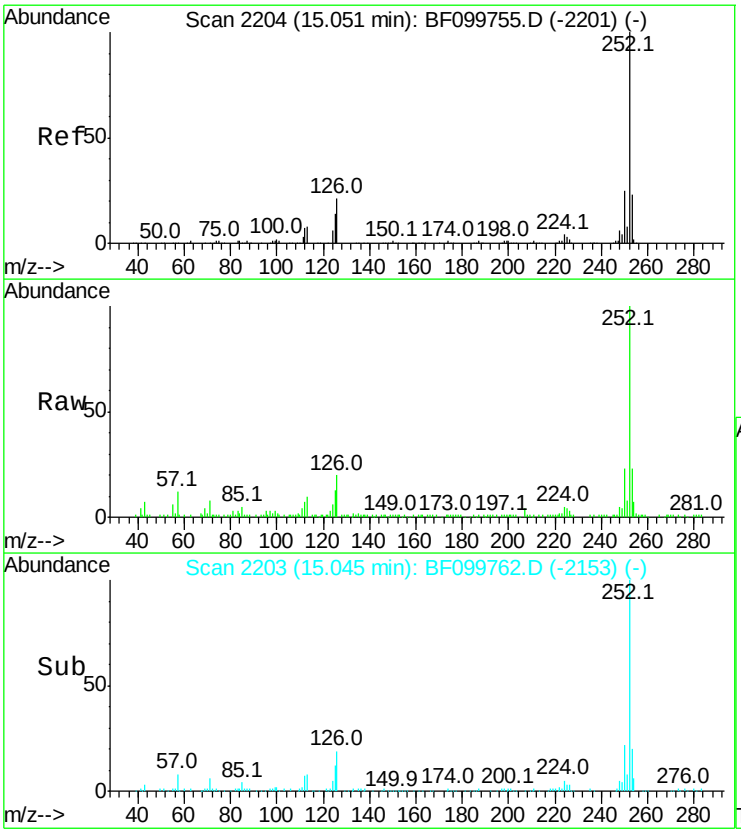
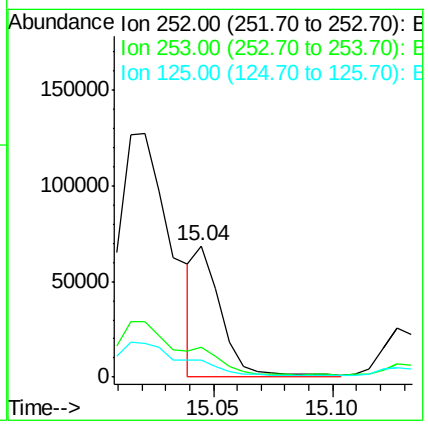
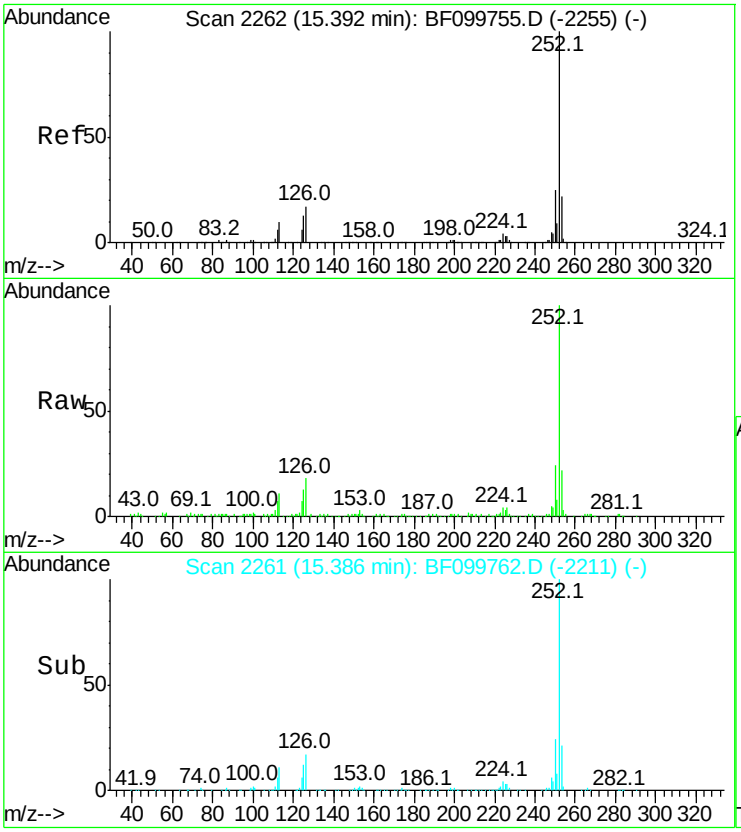


#88
Benzo(k)fluoranthene
Concen: 4.404 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:252 Resp: 53033

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	13.0	10.2	15.2

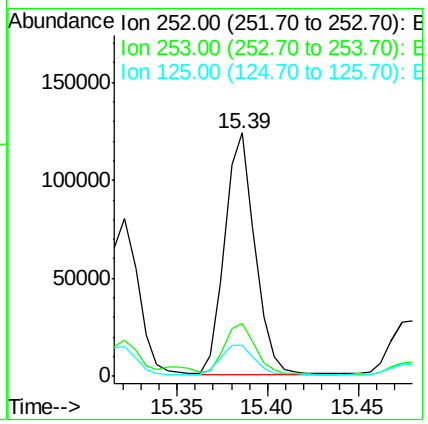




#89
Benzo(a)pyrene
Concen: 12.645 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:252 Resp: 145053

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	12.9	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
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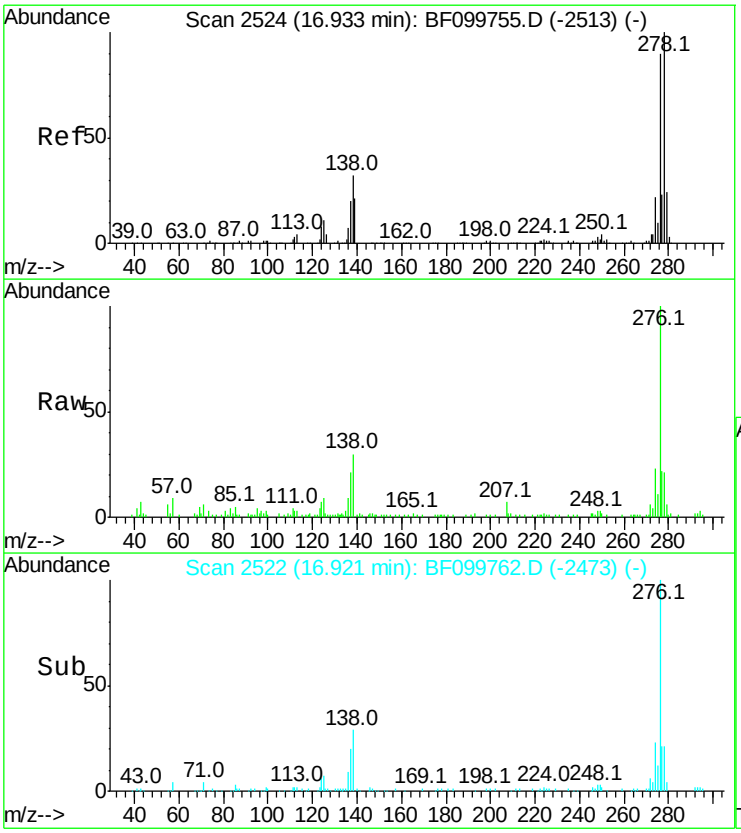
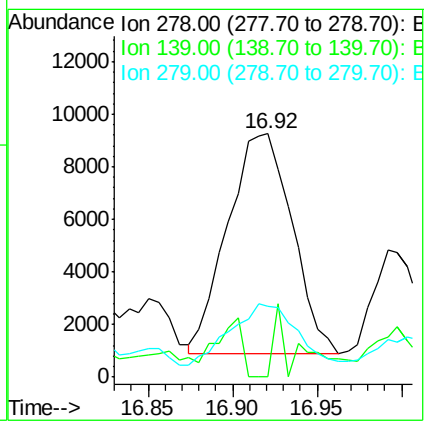
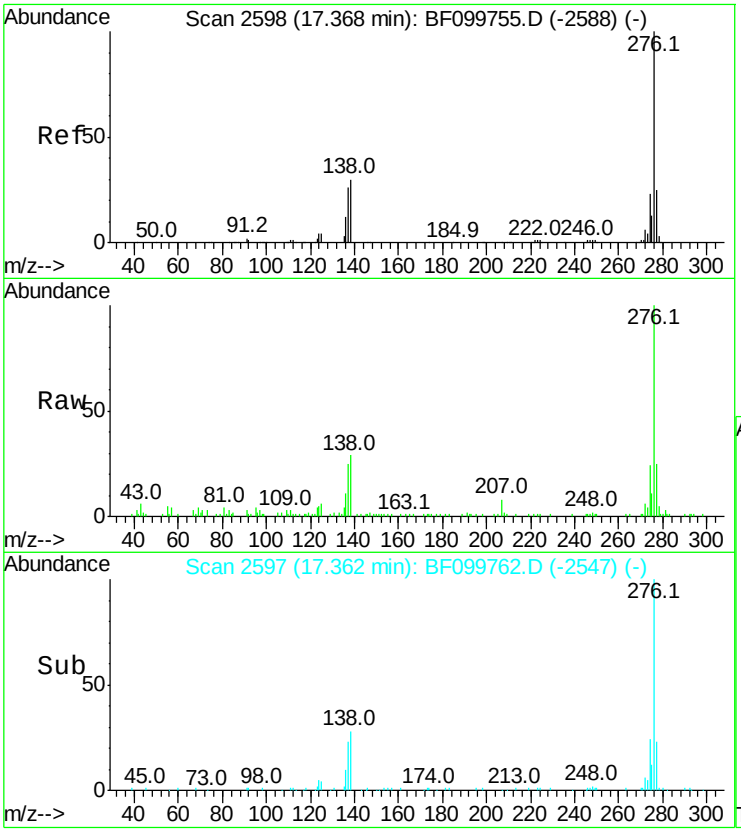


#90
Dibenzo(a,h)anthracene
Concen: 2.197 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:278 Resp: 22396

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.2	19.0	28.4#

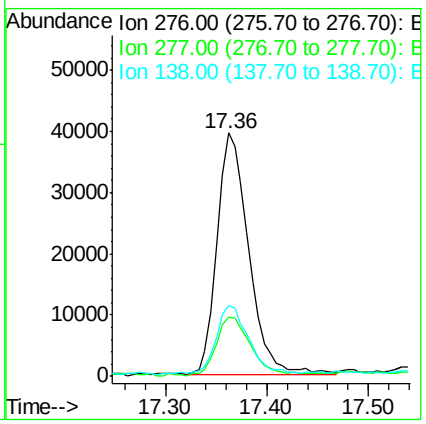




#91
Benzo(g,h,i)perylene
Concen: 8.565 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:276 Resp: 85411

Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	29.1	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
NB-01-101817-CRE

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