Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Manual Integrations APPROVED
Sohil
11/30/2017 4:32:38 PM

Quant Time: Nov 30 08:22:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 15:21:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	53850	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	186933	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	68478	20.00	ng		0.00
63) Phenanthrene-d10	11.38	188	121333	20.00	ng		0.00
75) Chrysene-d12	14.03	240	123787	20.00	ng		0.00
86) Perylene-d12	15.50	264	94410	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	321845	95.81	ng		0.00
7) Phenol-d6	6.49	99	375144	90.56	ng		0.00
23) Nitrobenzene-d5	7.42	82	215759	76.31	ng		-0.01
41) 2,4,6-Tribromophenol	10.68	330	72199	103.47	ng		0.00
44) 2-Fluorobiphenyl	9.21	172	407119	90.53	ng		0.00
78) Terphenyl-d14	12.96	244	376058	69.80	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.50	94	8959	2.060	ng		92
48) Acenaphthylene	9.75	152	15681	2.202	ng		99
49) Dimethylphthalate	9.60	163	20918	4.001	ng		97
51) Acenaphthene	9.92	154	14160	3.270	ng		96
57) Fluorene	10.44	166	18978	4.268	ng		95
70) Phenanthrene	11.40	178	254225	39.795	ng		98
71) Anthracene	11.46	178	89377	13.790	ng		98
74) Fluoranthene	12.60	202	407016	60.117	ng		97
77) Pyrene	12.83	202	427339	48.429	ng		99
80) Benzo(a)anthracene	14.02	228	201749m	27.064	ng		
82) Chrysene	14.05	228	186507m	25.837	ng		
85) Indeno(1,2,3-cd)pyrene	16.99	276	65376	11.197	ng	#	88
87) Benzo(b)fluoranthene	15.07	252	170339m	30.454	ng		
88) Benzo(k)fluoranthene	15.09	252	57970m	10.969	ng		
89) Benzo(a)pyrene	15.44	252	127248	25.662	ng		98
90) Dibenzo(a,h)anthracene	16.99	278	15267	3.765	ng	#	92
91) Benzo(g,h,i)perylene	17.43	276	64338	16.208	ng		94

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

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BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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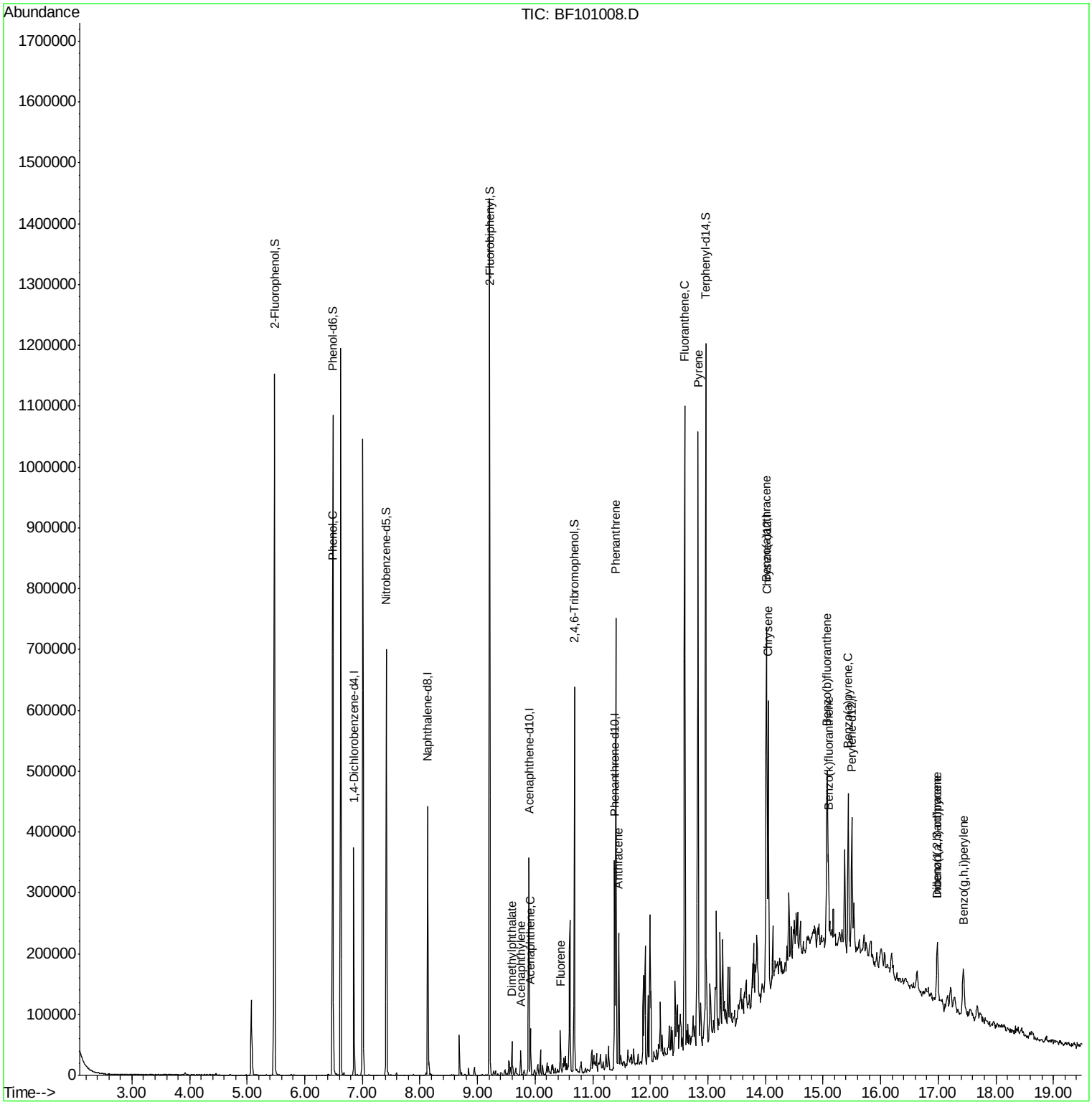
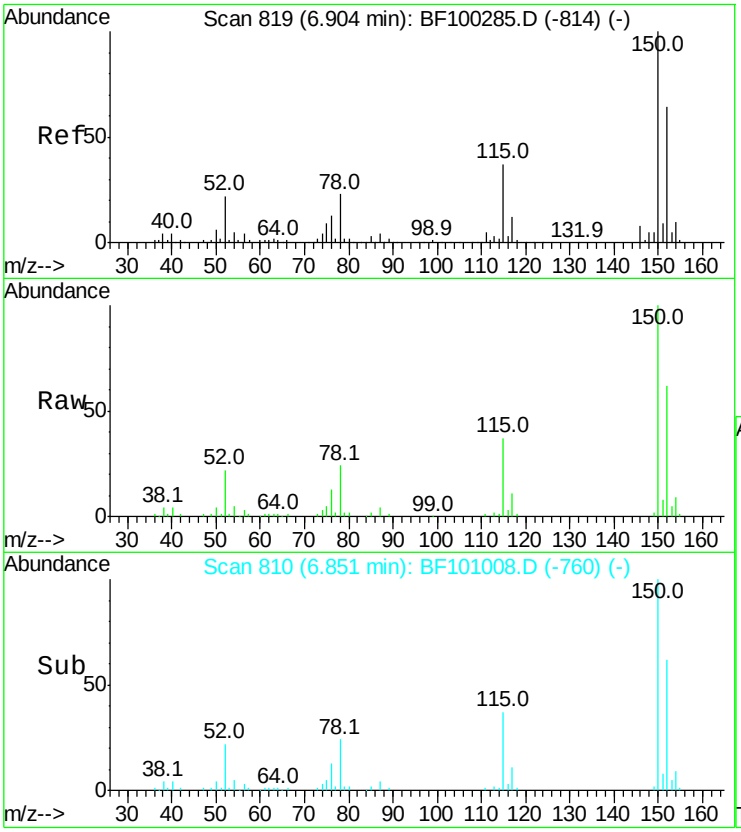
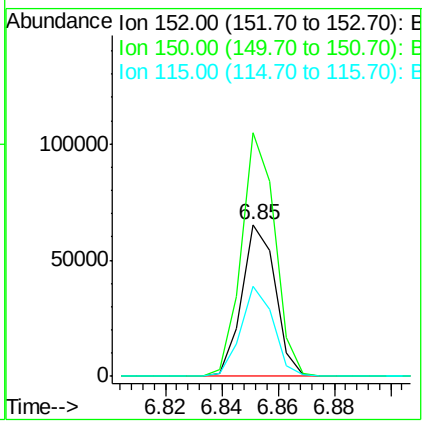




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:152 Resp: 53850

Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	59.0	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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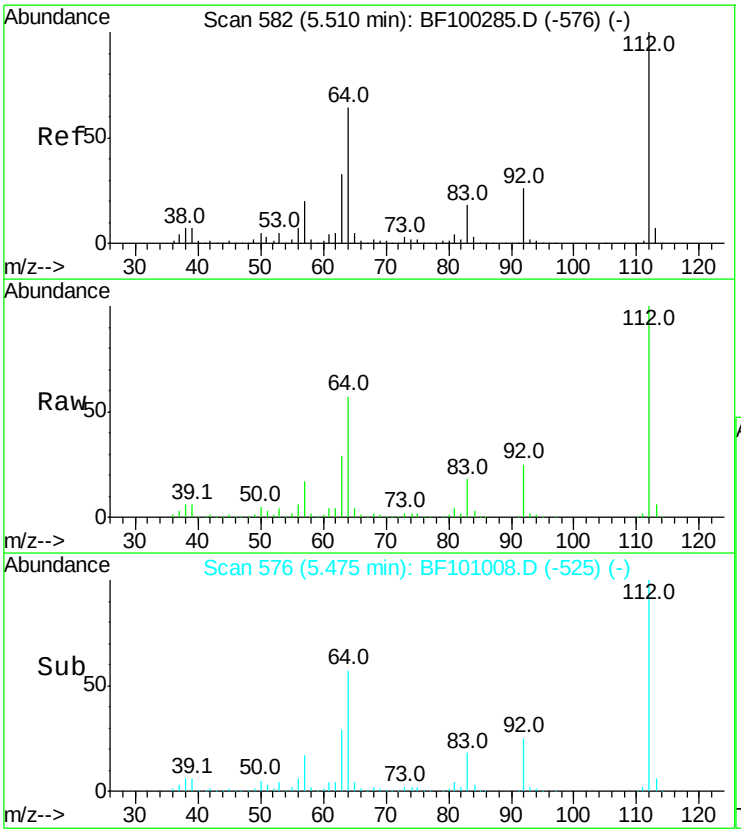
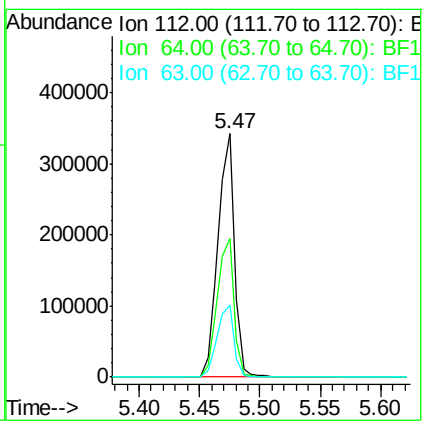
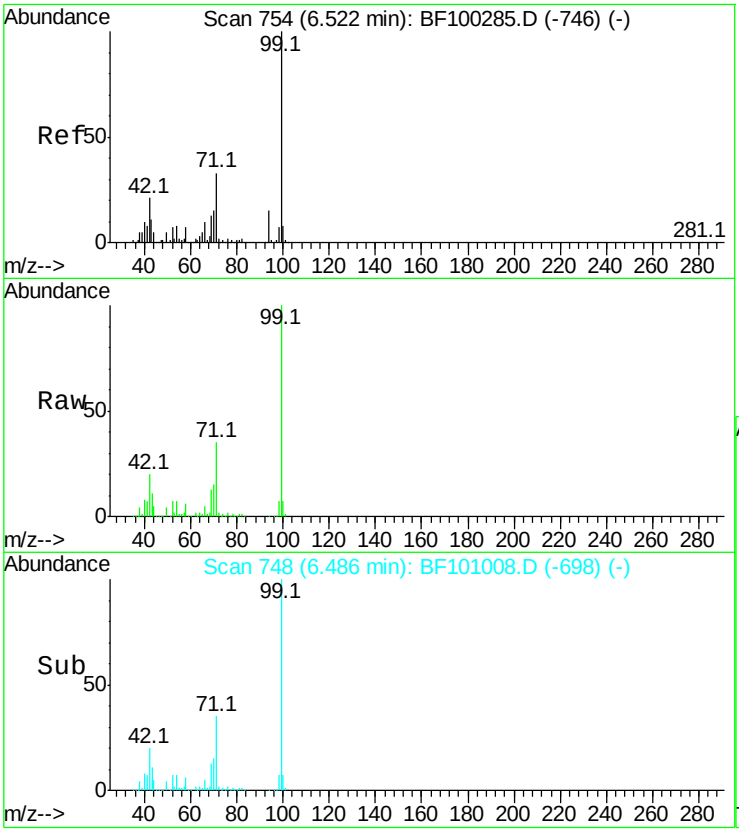


#5
2-Fluorophenol
Concen: 95.806 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:112 Resp: 321845

Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	29.4	23.7	35.5

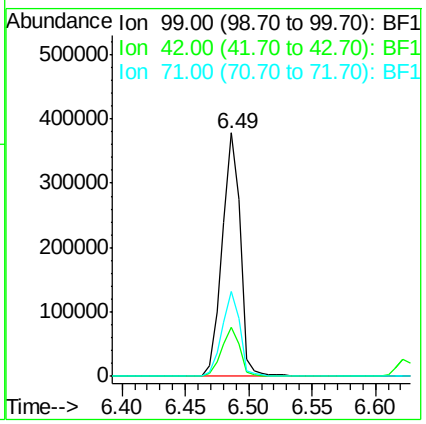




#7
Phenol-d6
Concen: 90.559 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion: 99 Resp: 375144

Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.5	21.7
71	35.1	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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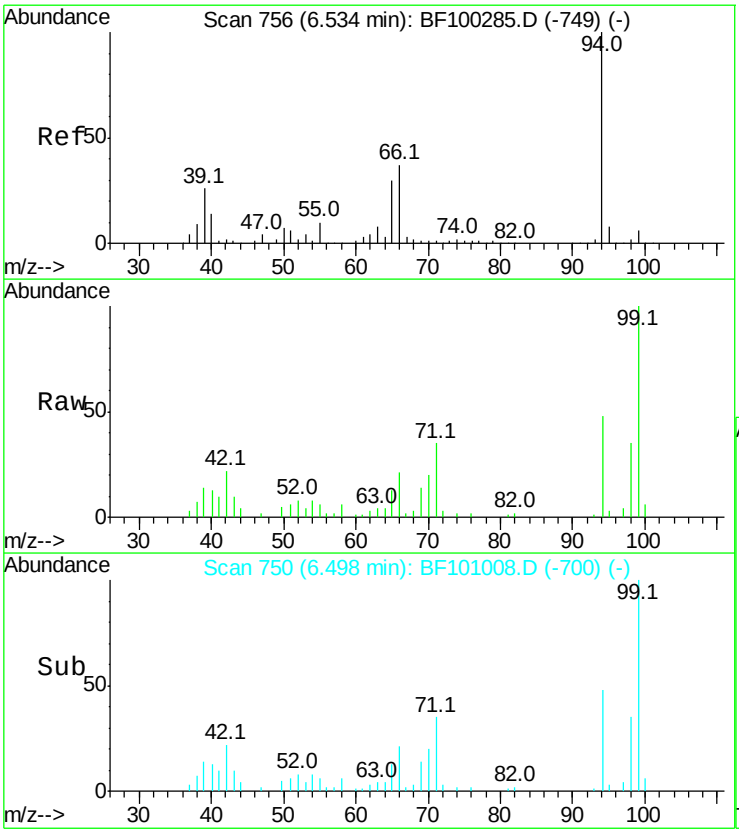
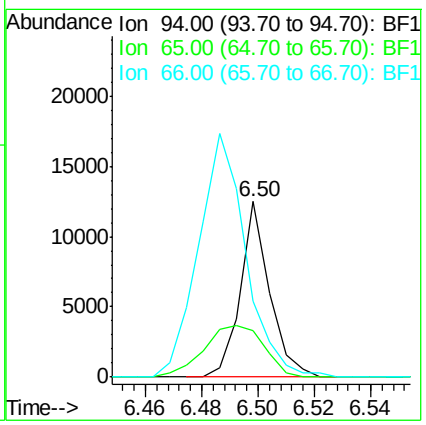
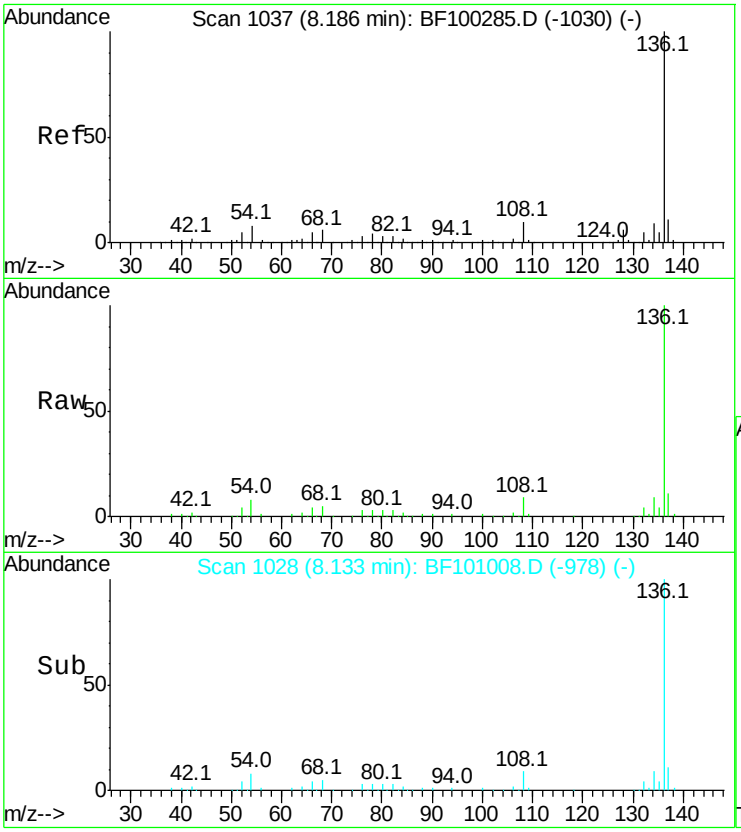


#10
Phenol
Concen: 2.060 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion: 94 Resp: 8959

Ion	Ratio	Lower	Upper
94	100		
65	26.2	7.9	47.9
66	43.5	16.2	56.2

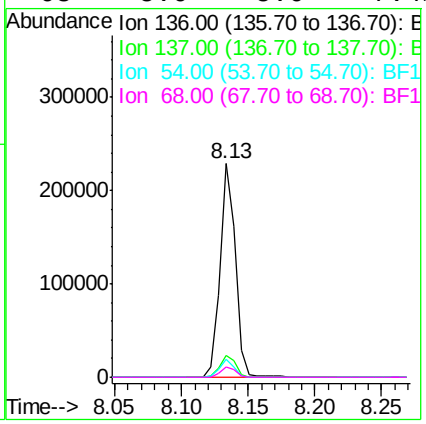




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:136 Resp: 186933

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	8.2	6.6	9.8
68	5.0	5.0	7.4#



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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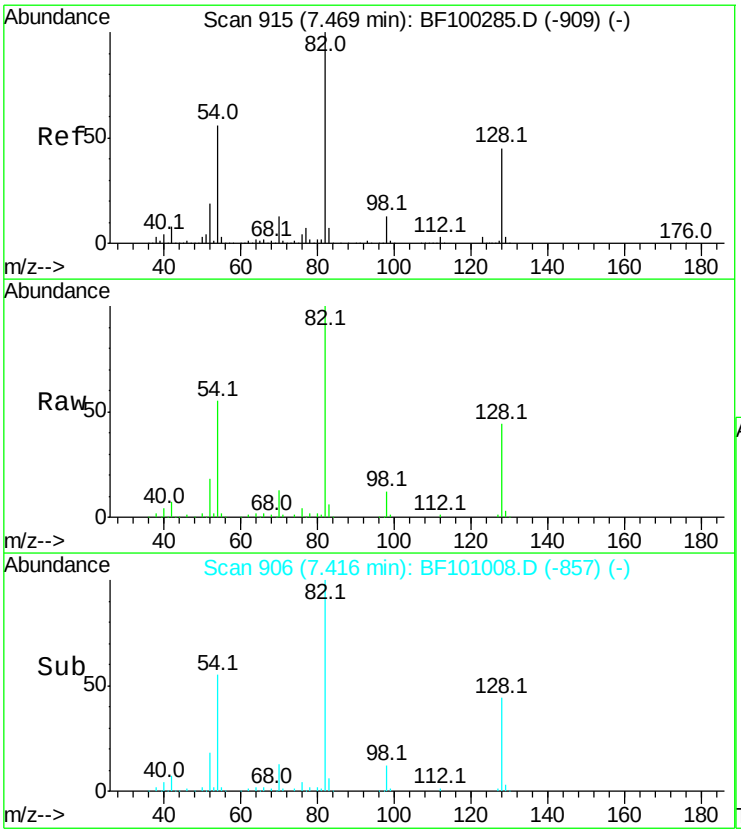
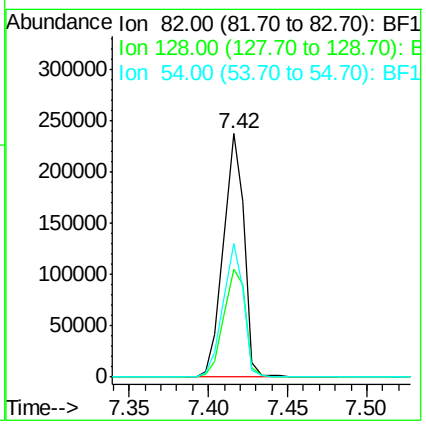
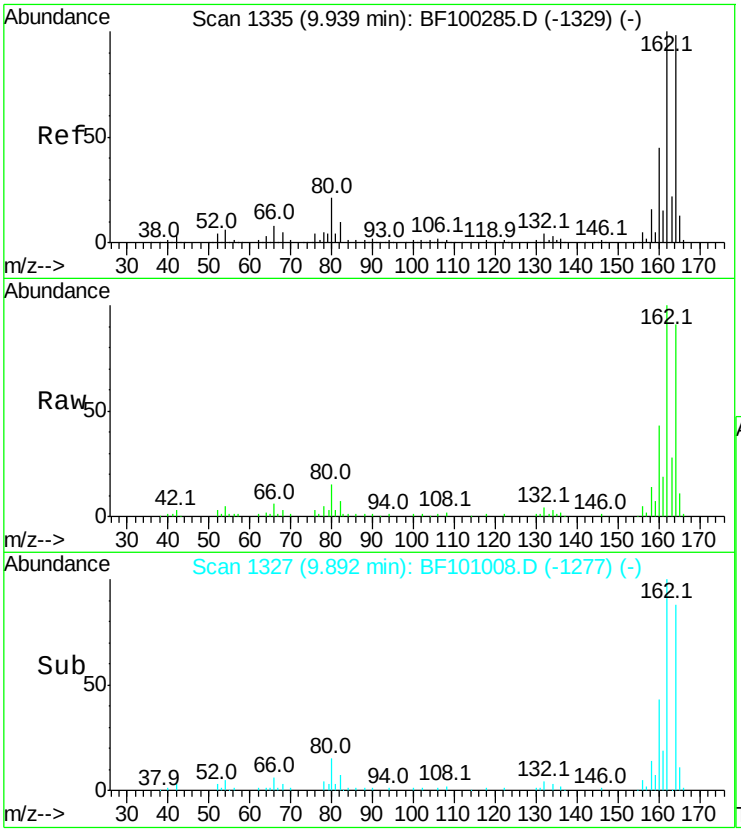


#23
Nitrobenzene-d5
Concen: 76.308 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion: 82 Resp: 215759

Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	55.1	41.4	62.2

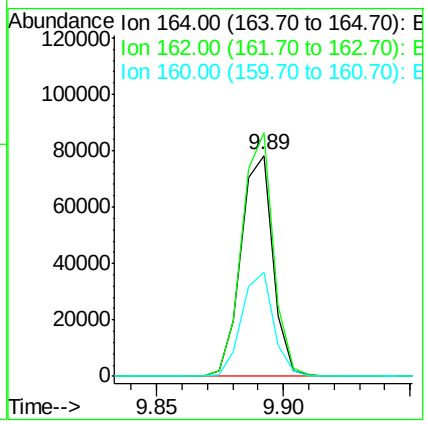




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:164 Resp: 68478

Ion	Ratio	Lower	Upper
164	100		
162	110.2	86.1	129.1
160	47.2	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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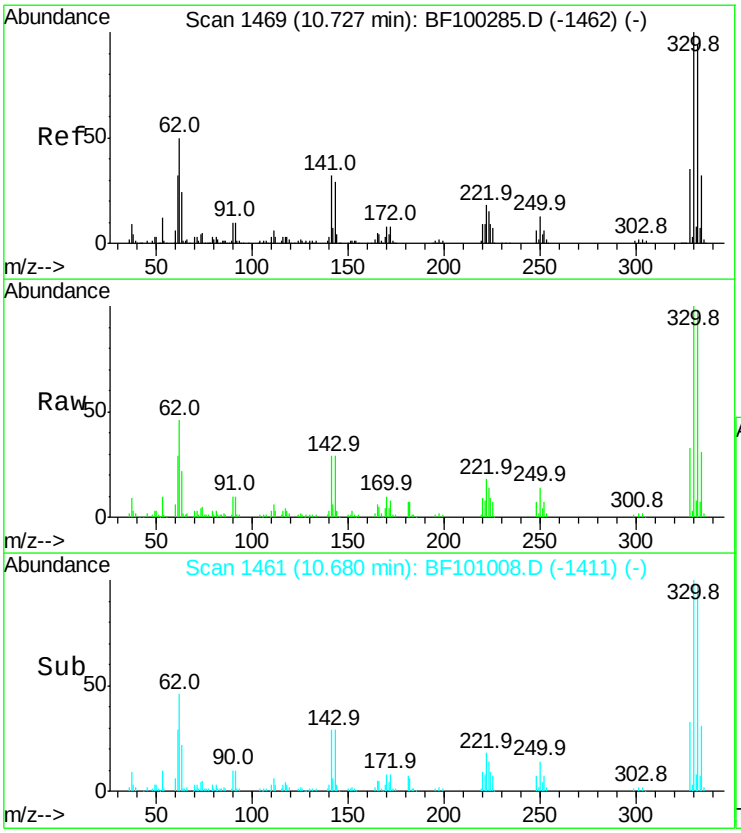
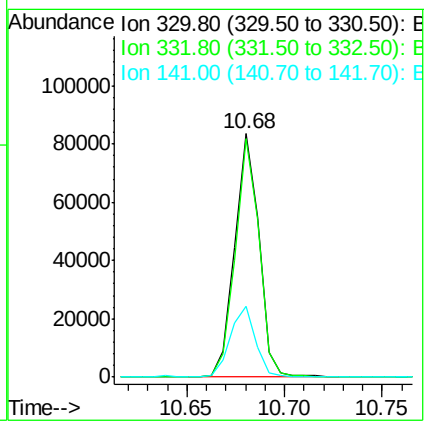
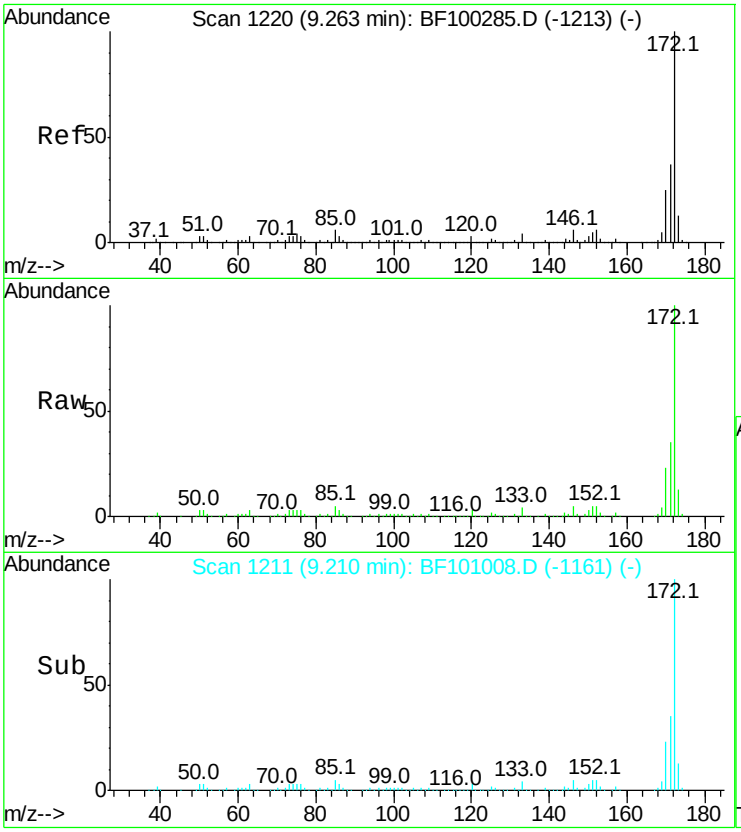


#41
2,4,6-Tribromophenol
Concen: 103.468 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:330 Resp: 72199

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	30.1	29.9	44.9

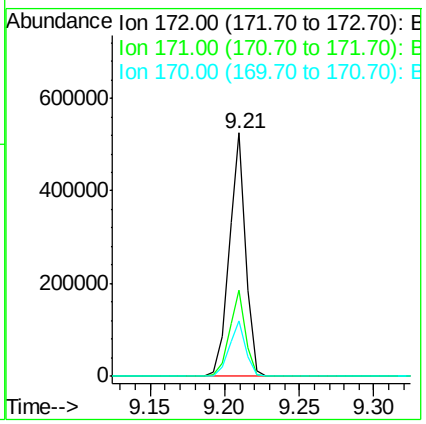




#44
2-Fluorobiphenyl
Concen: 90.529 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:172 Resp: 407119

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	22.9	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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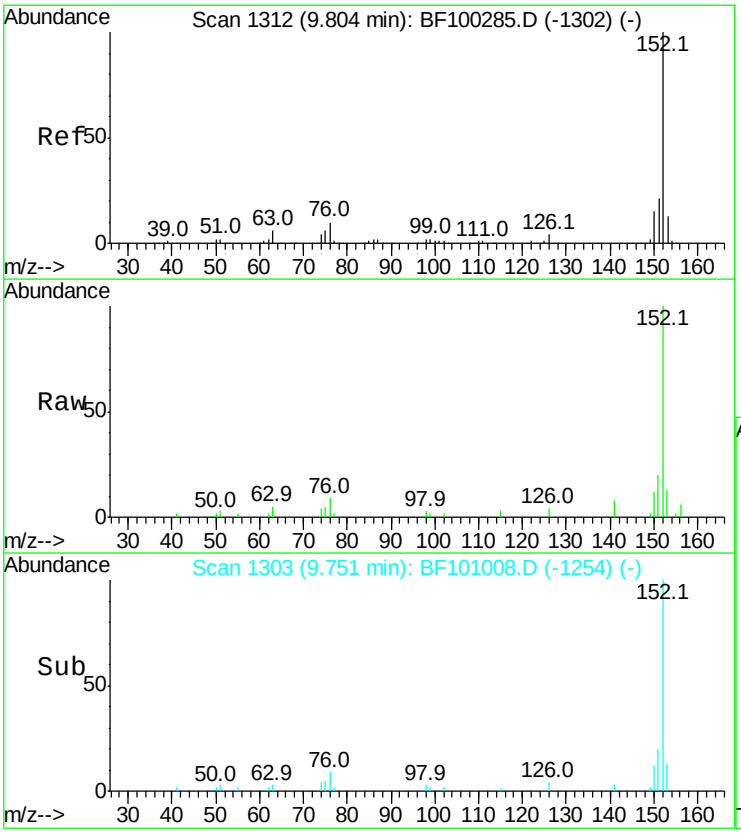
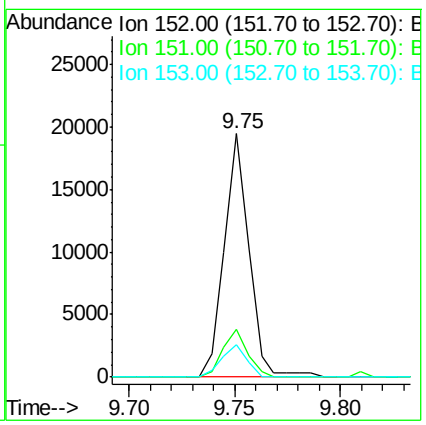
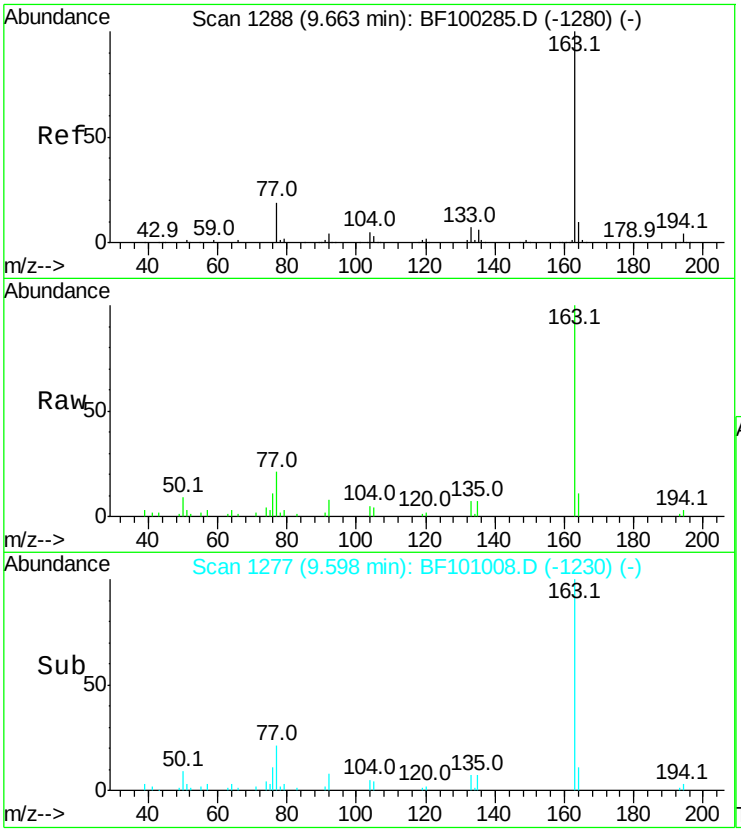


#48
Acenaphthylene
Concen: 2.202 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:152 Resp: 15681

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	13.1	10.7	16.1

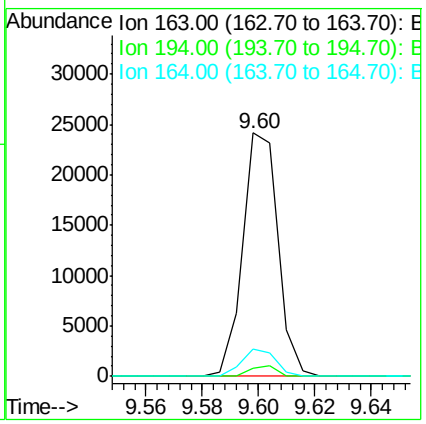




#49
Dimethylphthalate
Concen: 4.001 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:163 Resp: 20918

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	11.4	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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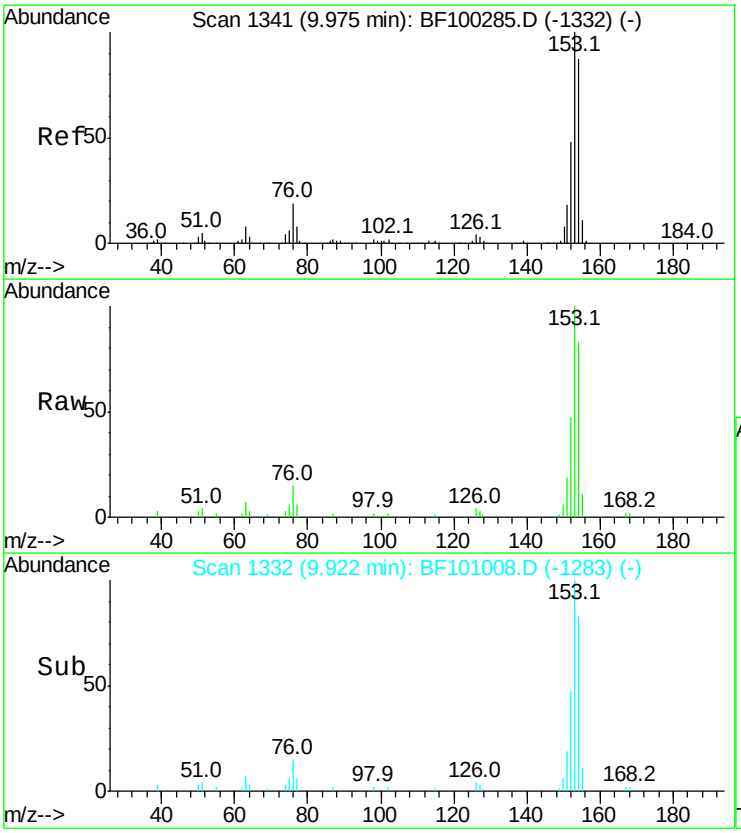
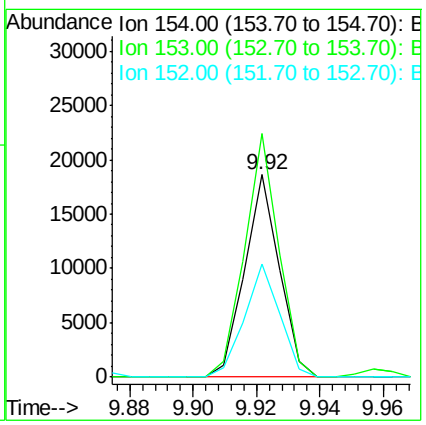
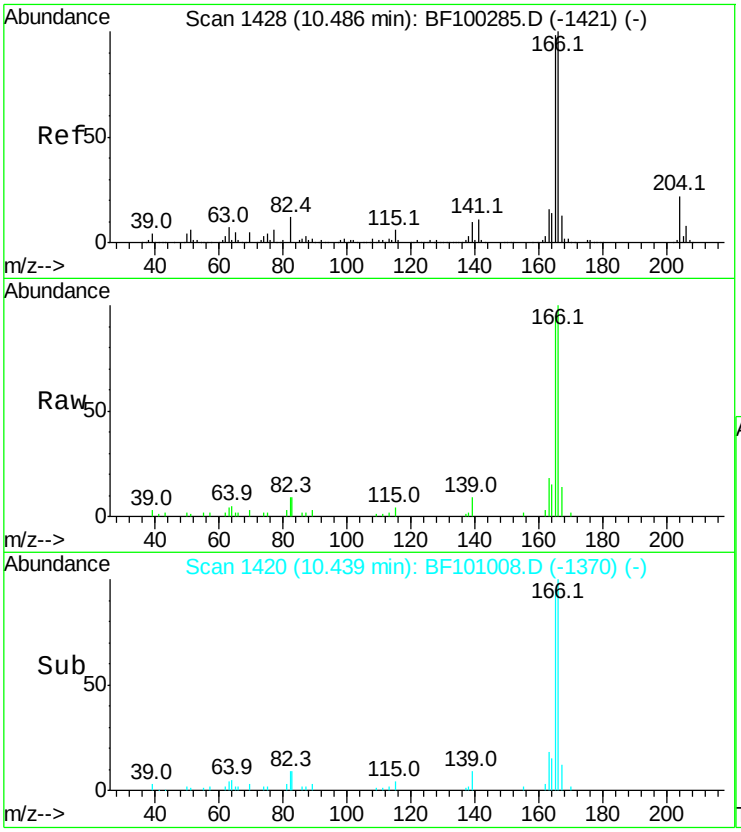


#51
Acenaphthene
Concen: 3.270 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:154 Resp: 14160

Ion	Ratio	Lower	Upper
154	100		
153	120.2	91.2	136.8
152	56.1	43.8	65.8

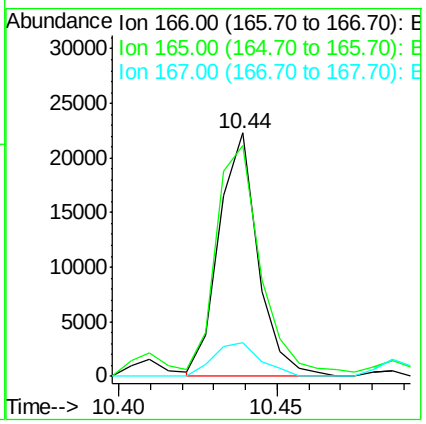




#57
Fluorene
Concen: 4.268 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:166 Resp: 18978

Ion	Ratio	Lower	Upper
166	100		
165	94.7	79.8	119.8
167	13.6	10.6	16.0



Instrument :
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ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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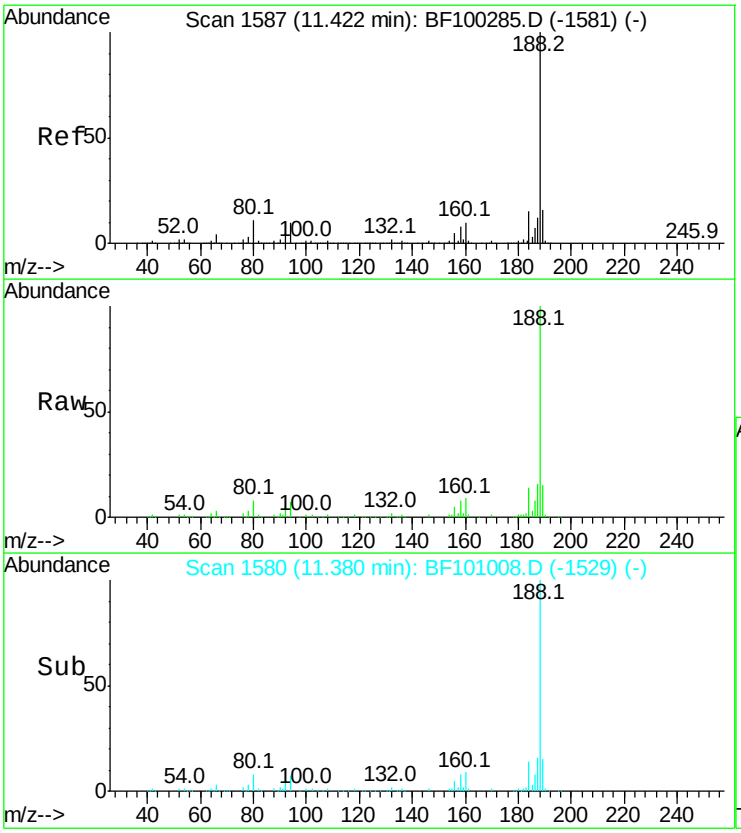
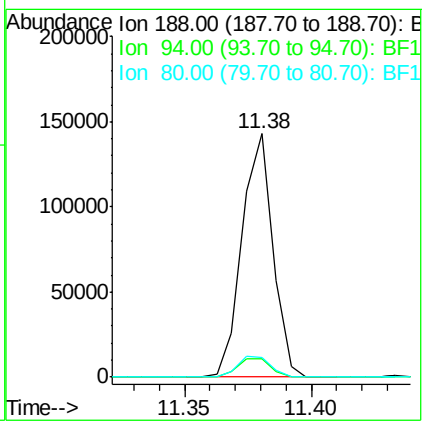
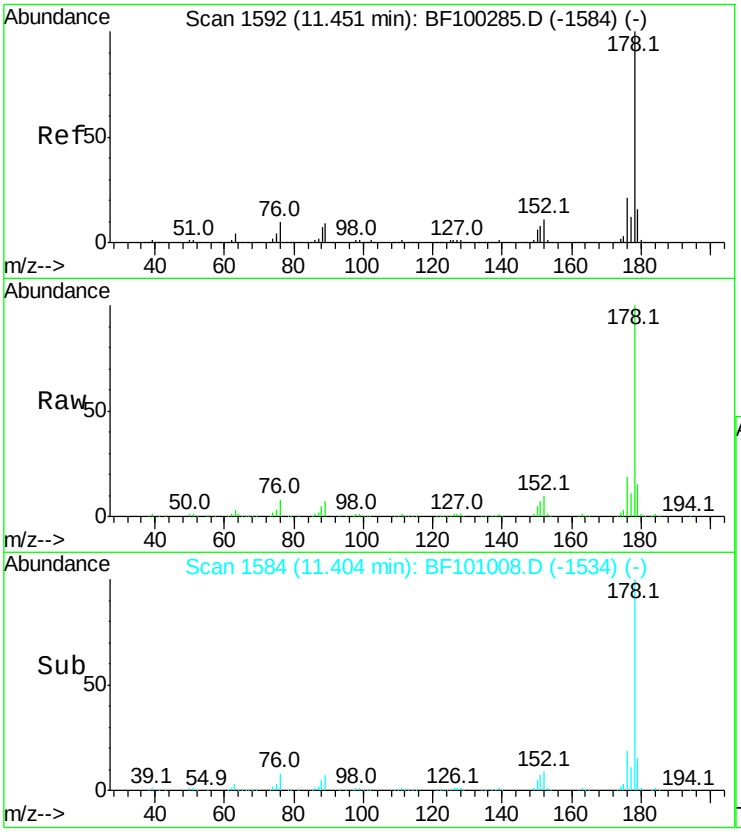


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:188 Resp: 121333

Ion	Ratio	Lower	Upper
188	100		
94	7.3	8.5	12.7#
80	8.0	9.2	13.8#

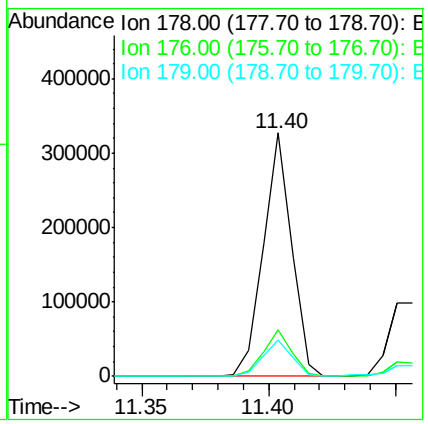




#70
Phenanthrene
Concen: 39.795 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:178 Resp: 254225

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.1	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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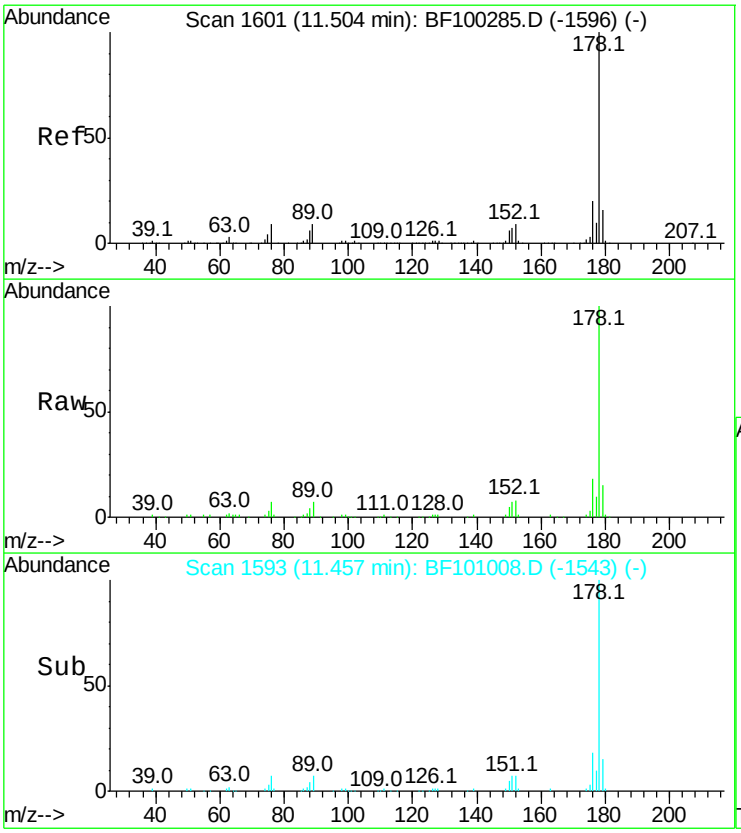
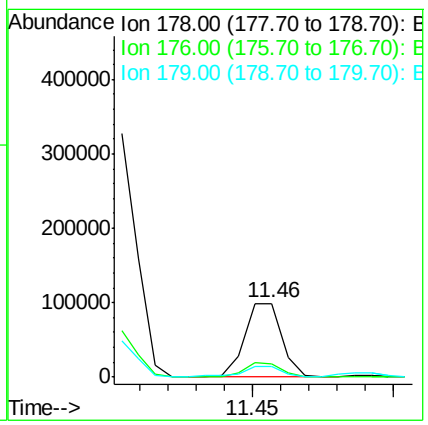
11/30/2017 4:32:38 PM

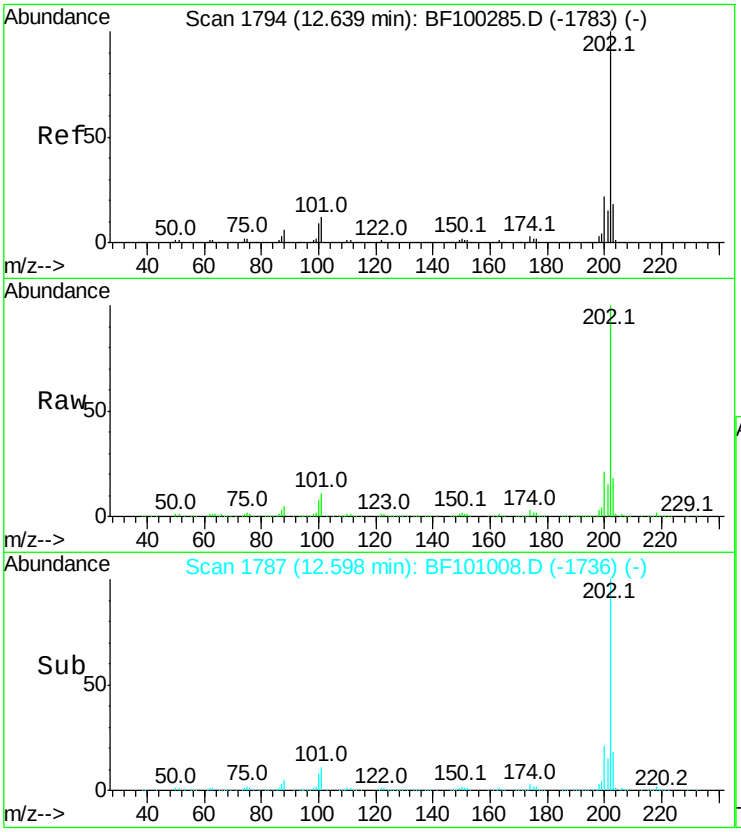


#71
Anthracene
Concen: 13.790 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:178 Resp: 89377

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.0	12.6	19.0

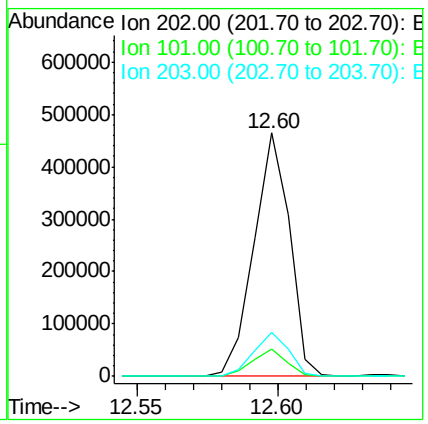




#74
Fluoranthene
Concen: 60.117 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:202 Resp: 407016

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	18.1	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

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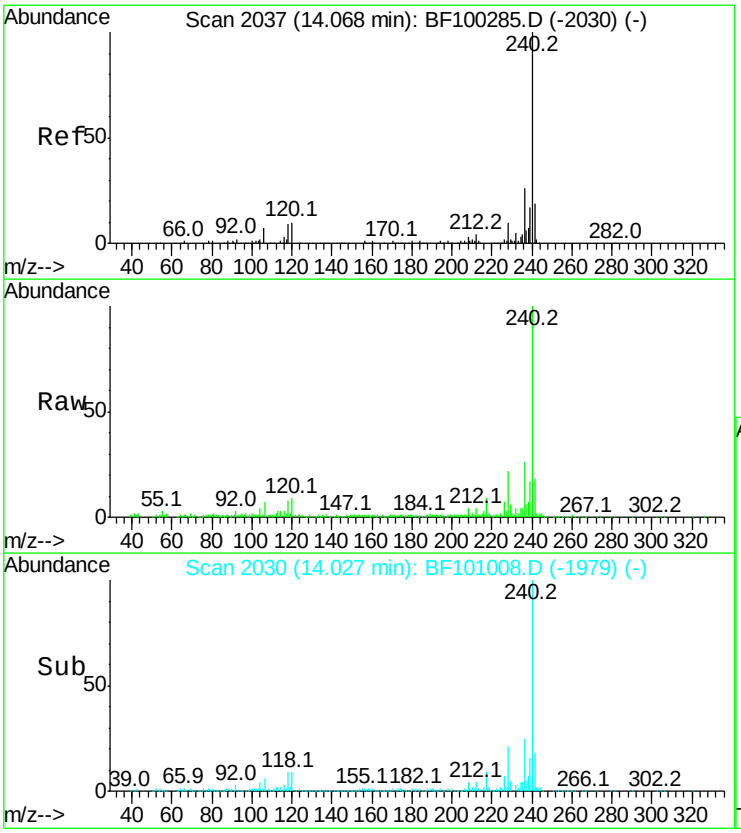
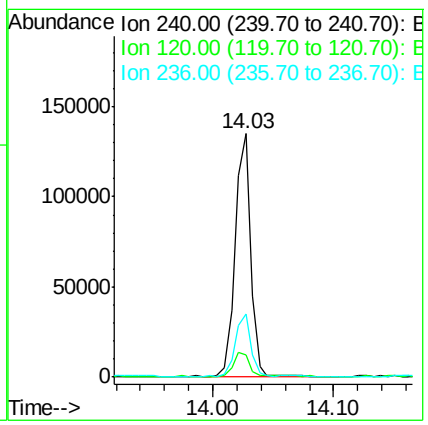
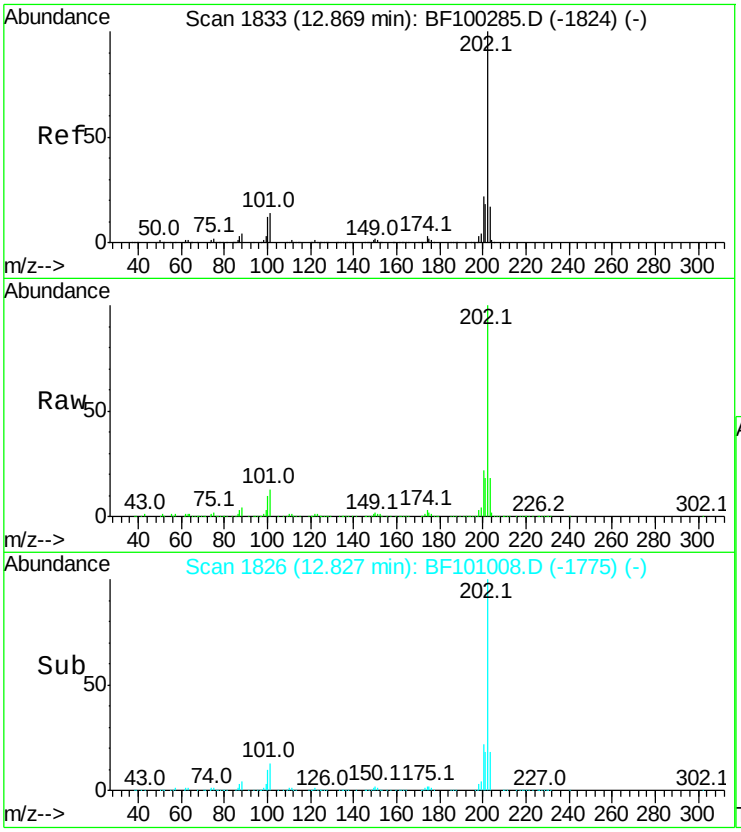


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:240 Resp: 123787

Ion	Ratio	Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.8	20.7	31.1

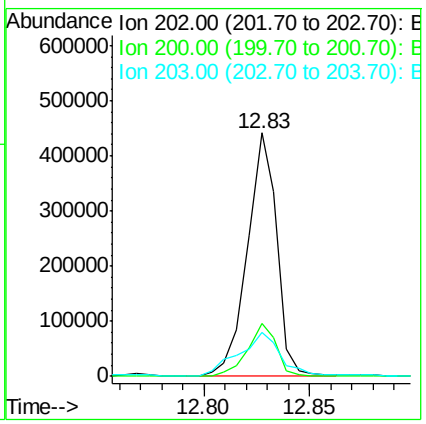




#77
Pyrene
Concen: 48.429 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:202 Resp: 427339

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.3	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

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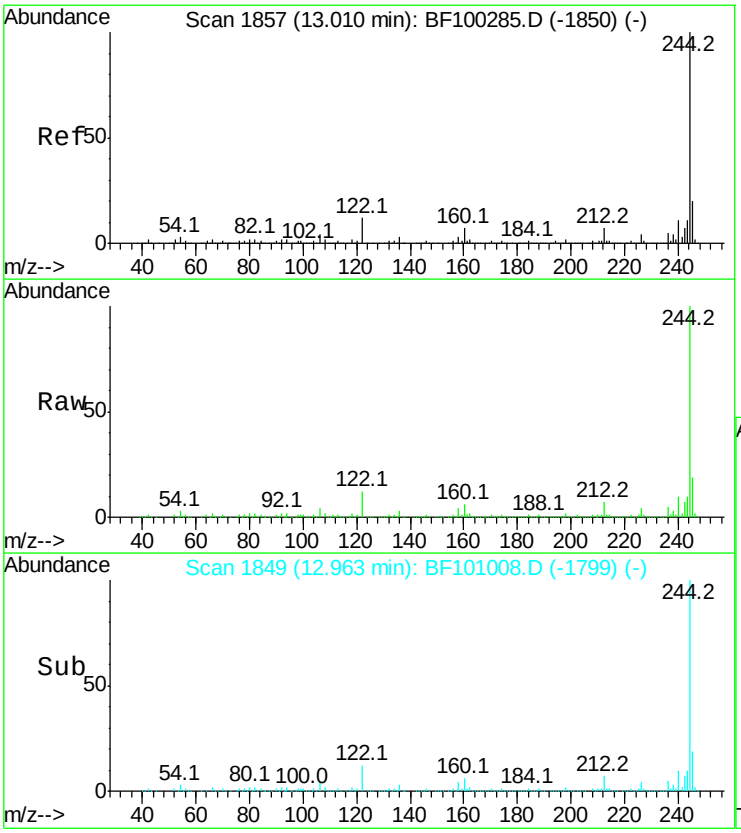
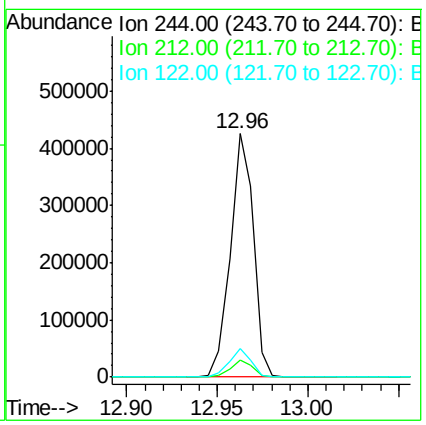
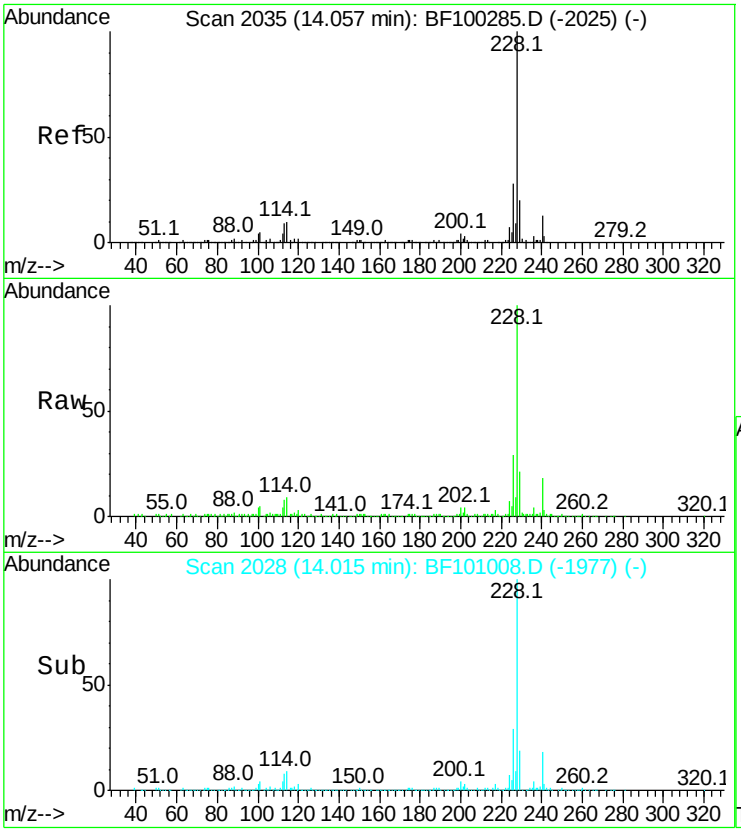


#78
Terphenyl-d14
Concen: 69.803 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:244 Resp: 376058

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.5	11.0	16.4

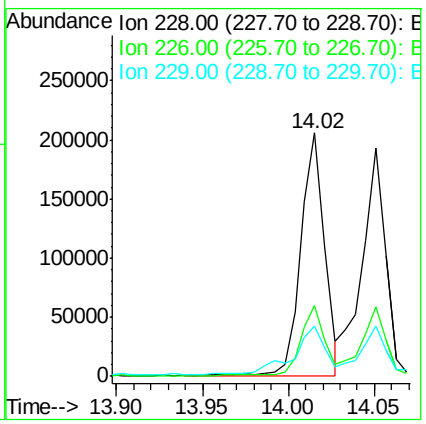




#80
Benzo(a)anthracene
Concen: 27.064 ng m
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:228 Resp: 201749

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

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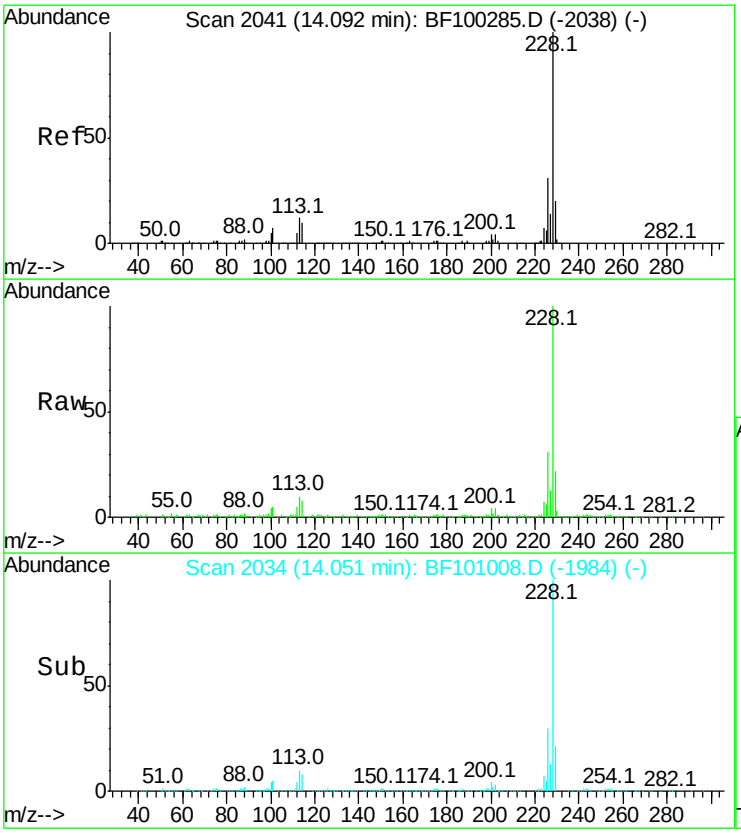
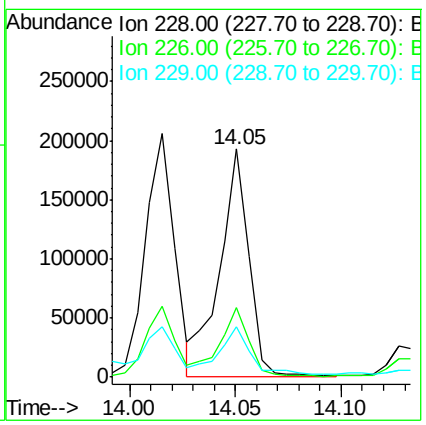
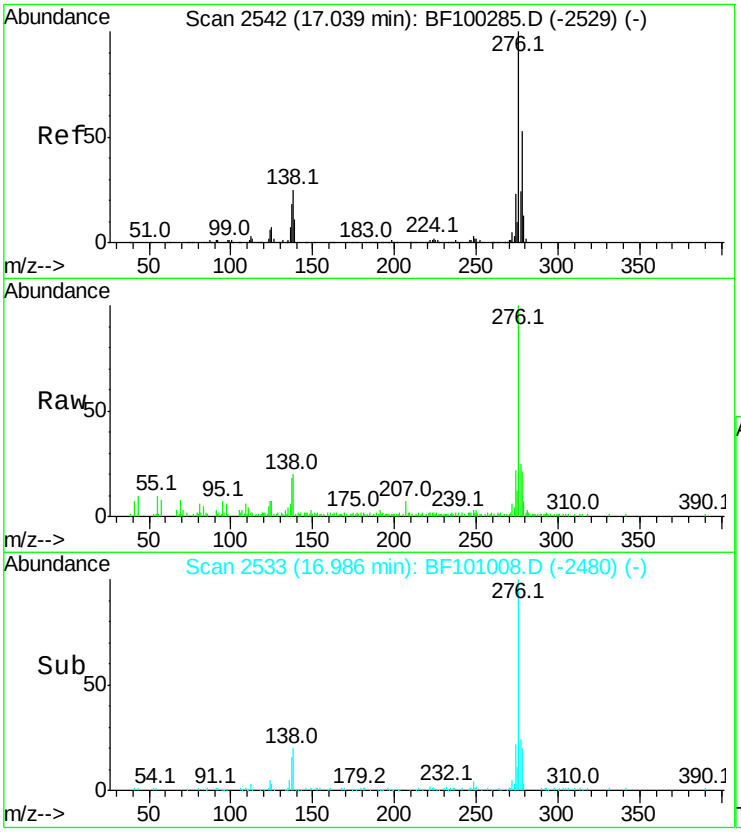


#82
Chrysene
Concen: 25.837 ng m
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:228 Resp: 186507

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.3	16.2	24.4

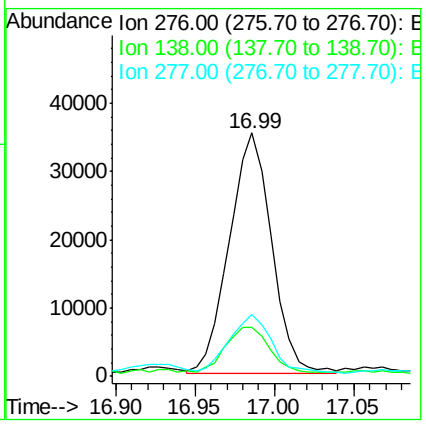




#85
Indeno(1,2,3-cd)pyrene
Concen: 11.197 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:276 Resp: 65376

Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.0	37.6#
277	24.8	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

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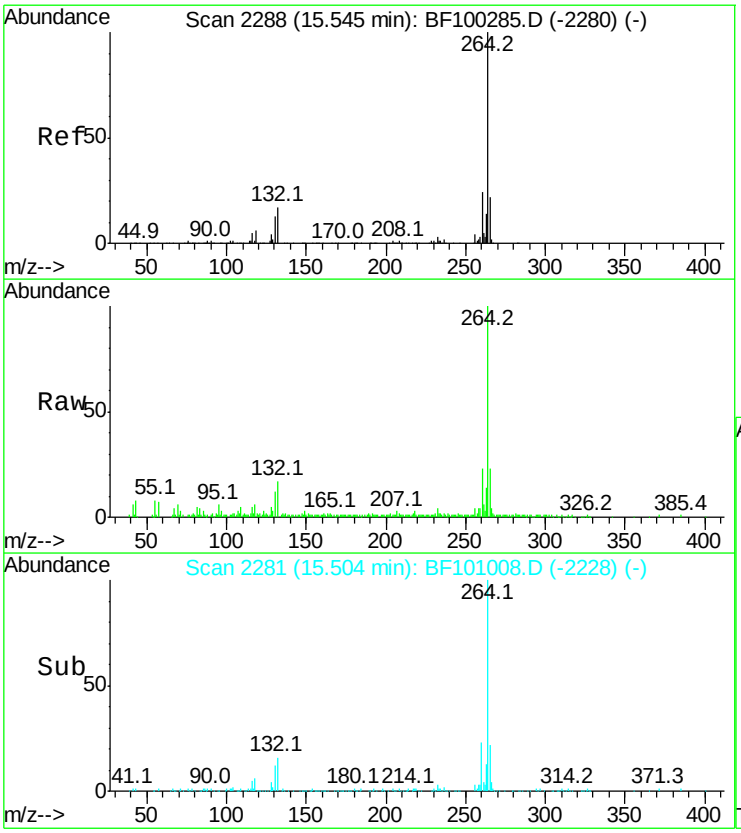
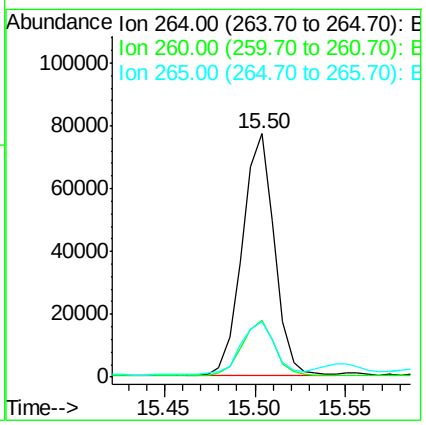
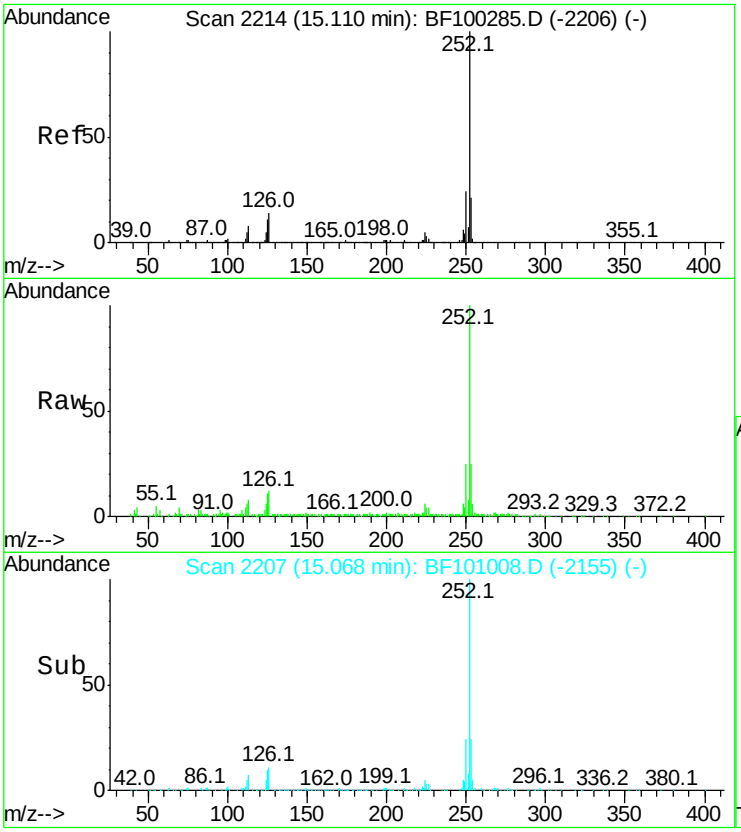


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:264 Resp: 94410

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.8	17.5	26.3

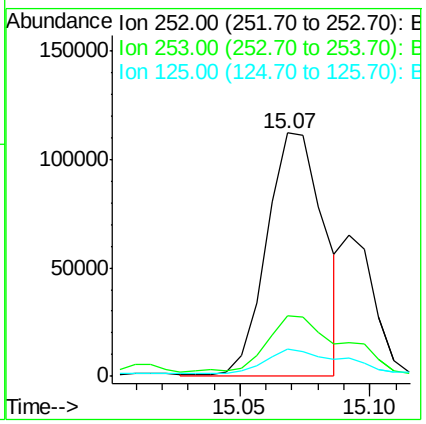




#87
Benzo(b)fluoranthene
Concen: 30.454 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:252 Resp: 170339

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	11.3	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

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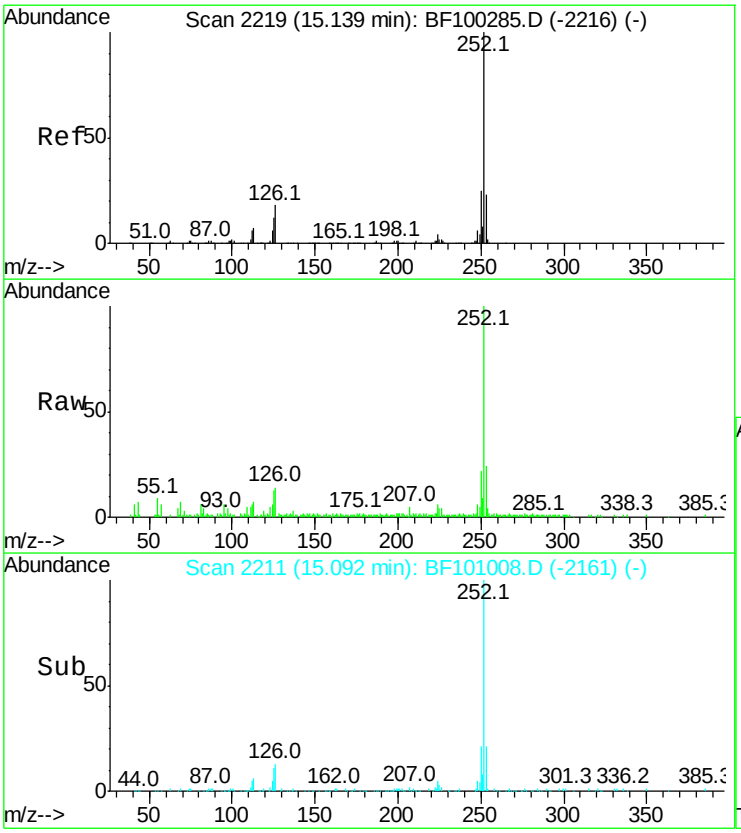
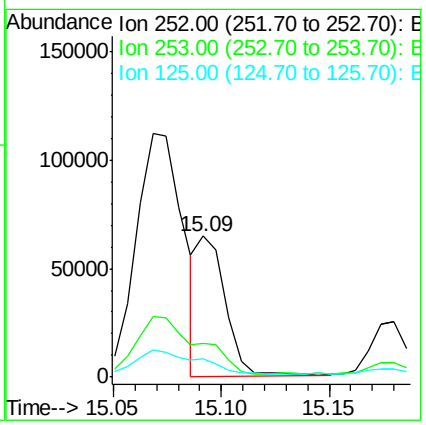
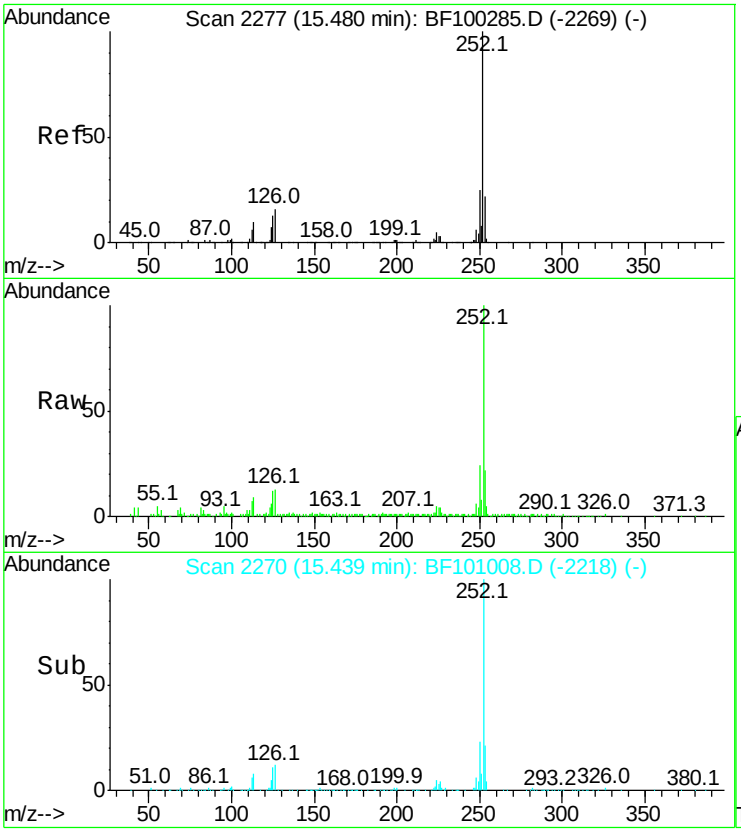


#88
Benzo(k)fluoranthene
Concen: 10.969 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:252 Resp: 57970

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	12.6	10.2	15.2

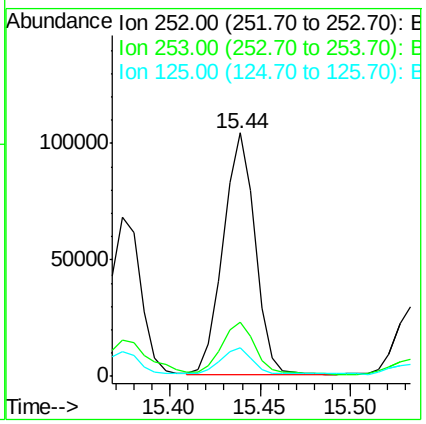




#89
Benzo(a)pyrene
Concen: 25.662 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:252 Resp: 127248

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.6	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

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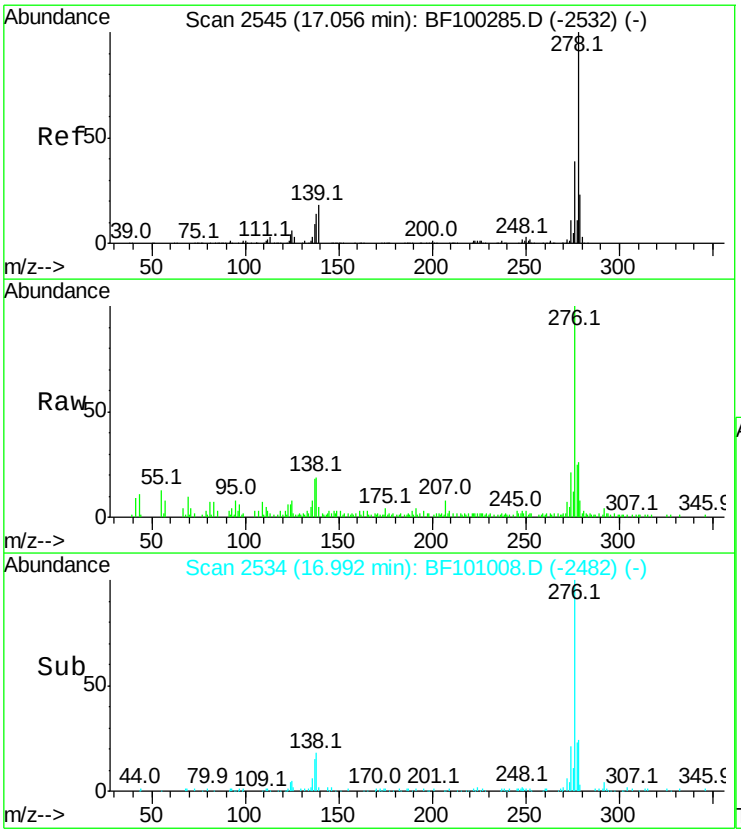
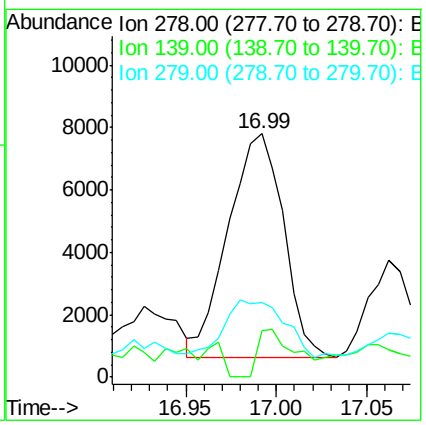
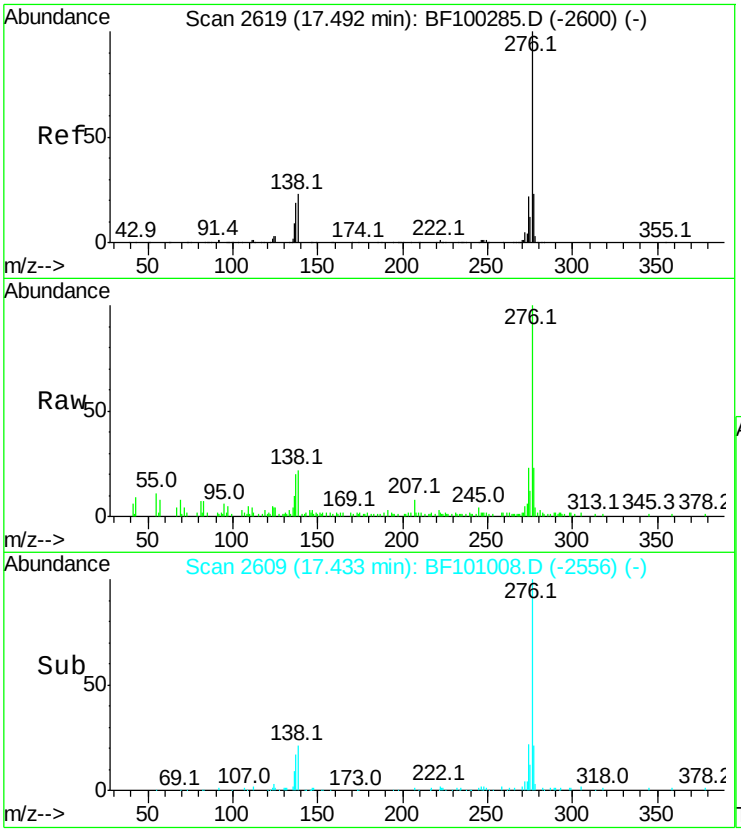


#90
Dibenzo(a,h)anthracene
Concen: 3.765 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:278 Resp: 15267

Ion	Ratio	Lower	Upper
278	100		
139	19.2	15.9	23.9
279	30.6	19.0	28.4#

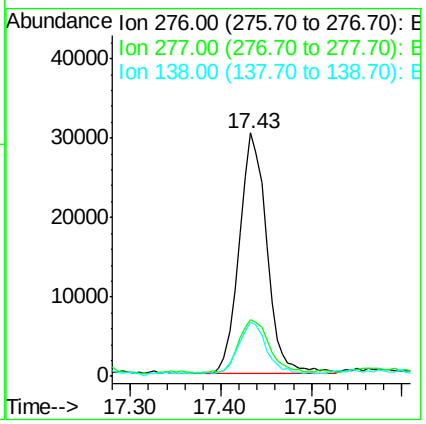




#91
Benzo(g,h,i)perylene
Concen: 16.208 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.01 min
Lab File: BF101008.D
Acq: 30 Nov 2017 6:09

Tgt Ion:276 Resp: 64338

Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	22.4	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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11/30/2017 4:32:38 PM