Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF101006.D
Acq On : 30 Nov 2017 5:15
Operator : SJ/JU
Sample : I6548-10DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Manual Integrations APPROVED
Sohil
11/30/2017 4:32:34 PM

Quant Time: Nov 30 06:01:09 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	58764	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	210430	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	83953	20.00	ng		0.00
63) Phenanthrene-d10	11.38	188	134624	20.00	ng		0.00
75) Chrysene-d12	14.02	240	121544	20.00	ng		0.00
86) Perylene-d12	15.50	264	109506	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	200412	54.67	ng		0.00
7) Phenol-d6	6.48	99	234431	51.86	ng		-0.01
23) Nitrobenzene-d5	7.42	82	135139	42.46	ng		-0.01
41) 2,4,6-Tribromophenol	10.68	330	46898	54.82	ng		0.00
44) 2-Fluorobiphenyl	9.21	172	277633	50.36	ng		0.00
78) Terphenyl-d14	12.96	244	202593	38.30	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	9.75	152	30794	3.527	ng		95
49) Dimethylphthalate	9.60	163	17822	2.780	ng	#	96
51) Acenaphthene	9.92	154	12437	2.343	ng		94
57) Fluorene	10.44	166	16786	3.079	ng		98
70) Phenanthrene	11.40	178	257266	36.295	ng		98
71) Anthracene	11.46	178	52537	7.306	ng		99
72) Carbazole	11.61	167	20472	3.085	ng		99
74) Fluoranthene	12.60	202	421716	56.138	ng		96
77) Pyrene	12.83	202	356984	41.203	ng		100
80) Benzo(a)anthracene	14.02	228	177464m	24.246	ng		
82) Chrysene	14.05	228	179574	25.336	ng		97
85) Indeno(1,2,3-cd)pyrene	16.97	276	68672	11.978	ng	#	90
87) Benzo(b)fluoranthene	15.07	252	198514m	30.599	ng		
88) Benzo(k)fluoranthene	15.09	252	56561m	9.227	ng		
89) Benzo(a)pyrene	15.43	252	129199	22.463	ng		96
90) Dibenzo(a,h)anthracene	16.98	278	20262m	4.308	ng		
91) Benzo(g,h,i)perylene	17.42	276	62263	13.523	ng		95

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

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Manual Integrations APPROVED
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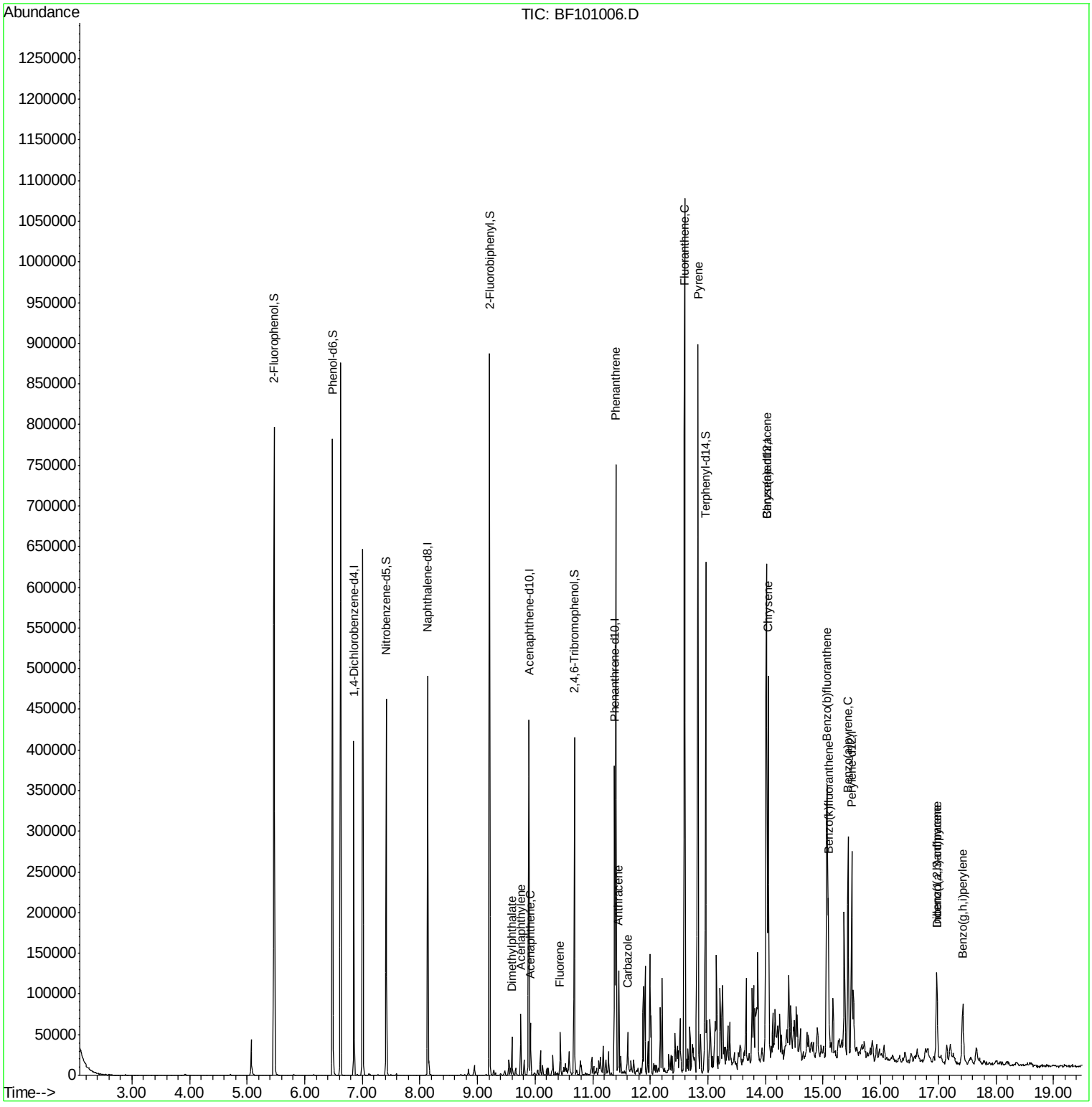
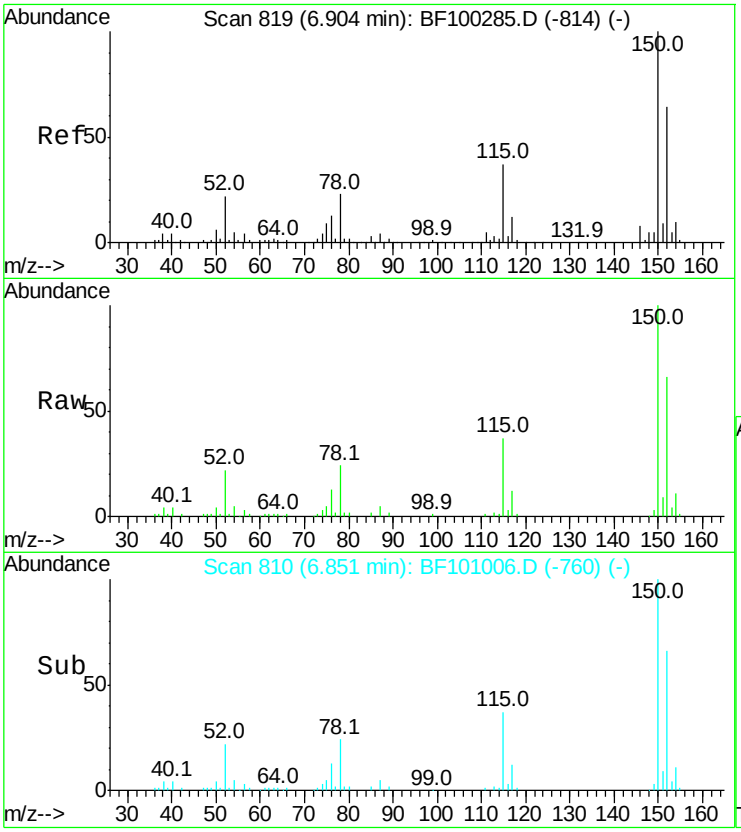
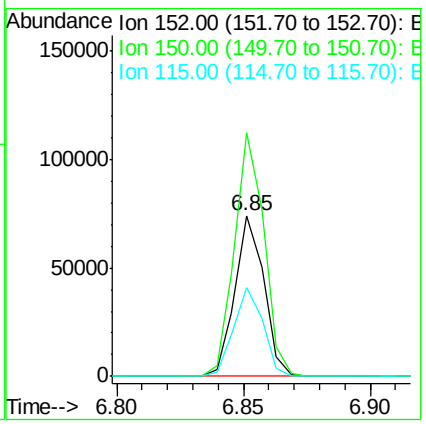




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:152 Resp: 58764

Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.6	186.8
115	55.6	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Manual Integrations APPROVED
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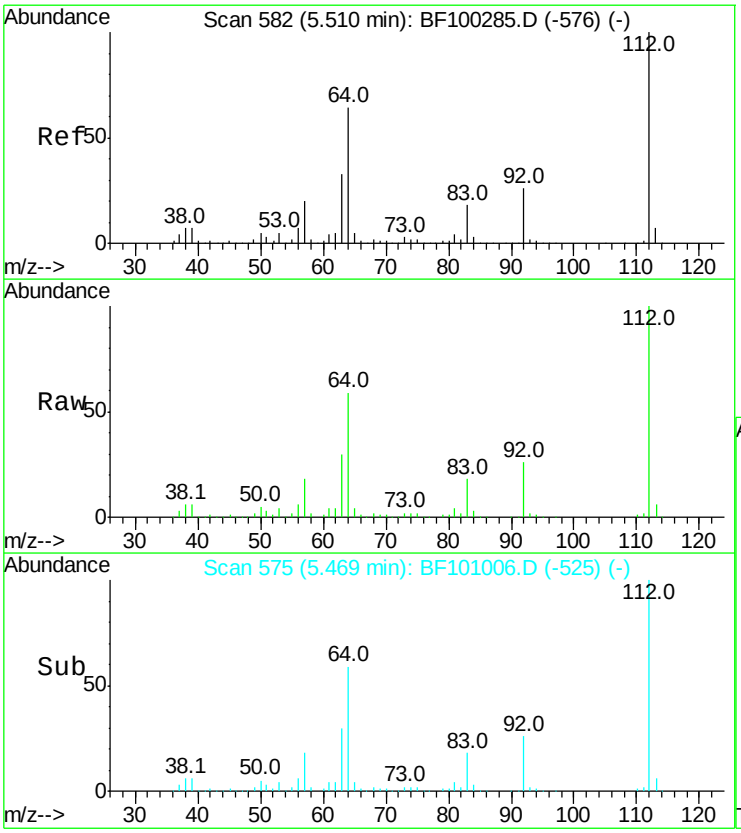
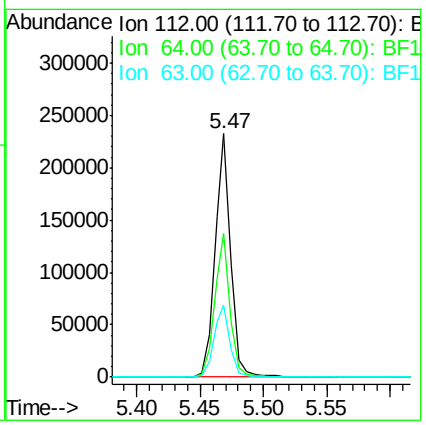
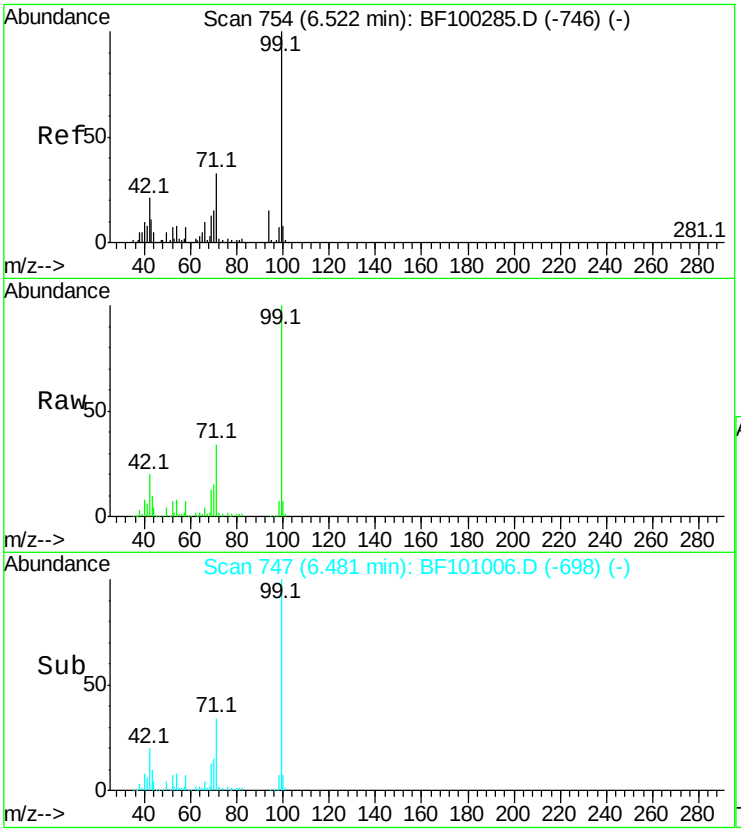


#5
2-Fluorophenol
Concen: 54.669 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:112 Resp: 200412

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.9	71.9
63	29.7	23.7	35.5

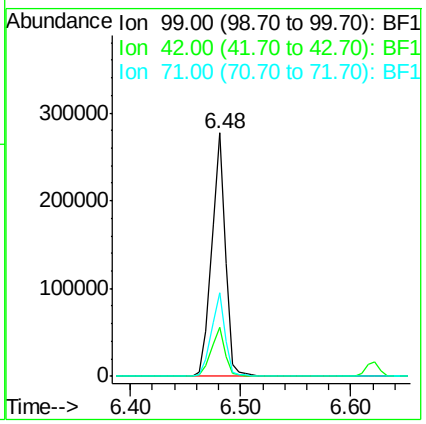




#7
Phenol-d6
Concen: 51.859 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion: 99 Resp: 234431

Ion	Ratio	Lower	Upper
99	100		
42	20.1	14.5	21.7
71	34.2	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

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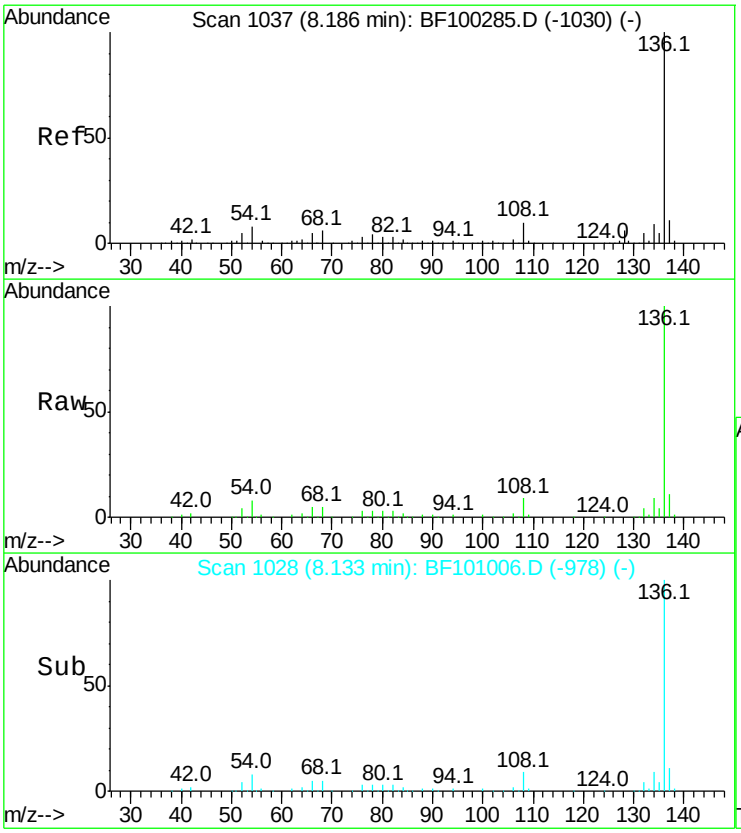
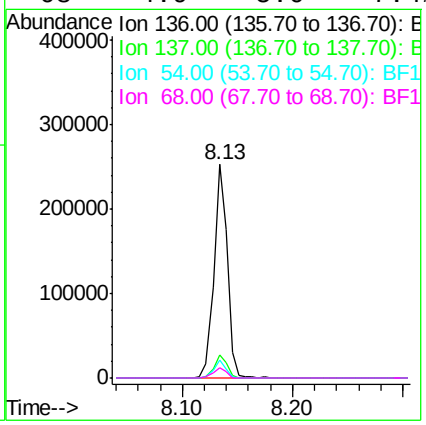
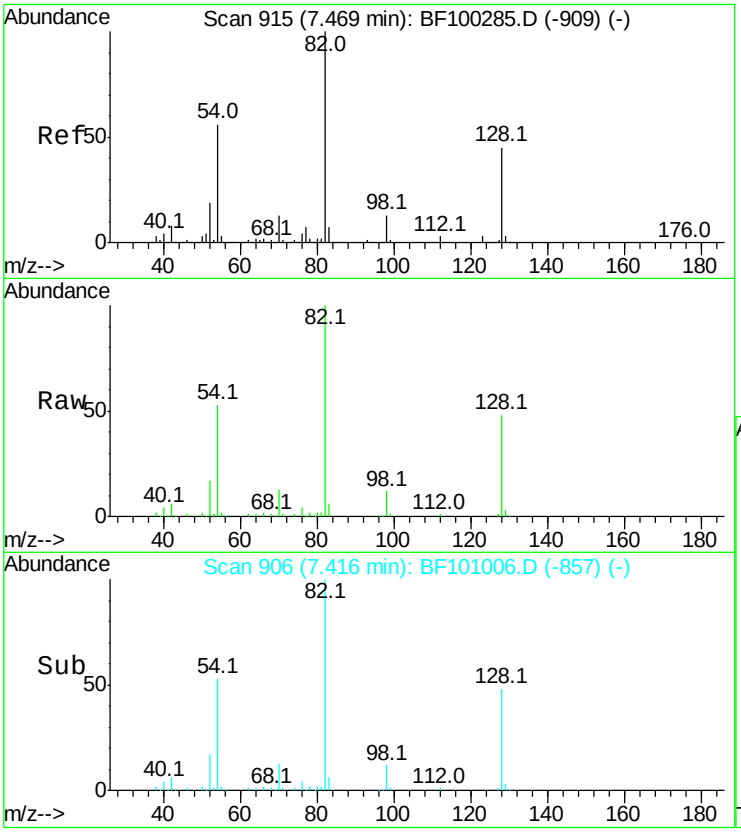


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:136 Resp: 210430

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.3	6.6	9.8
68	4.9	5.0	7.4#

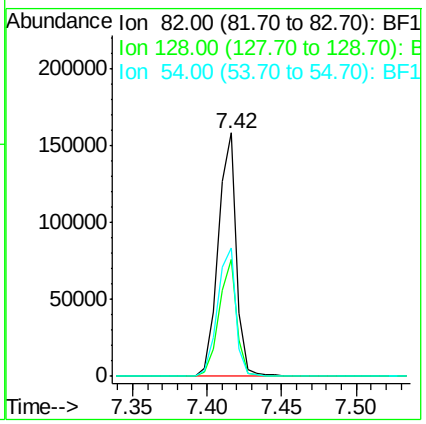




#23
Nitrobenzene-d5
Concen: 42.458 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion: 82 Resp: 135139

Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.1	54.1
54	52.6	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Manual Integrations APPROVED
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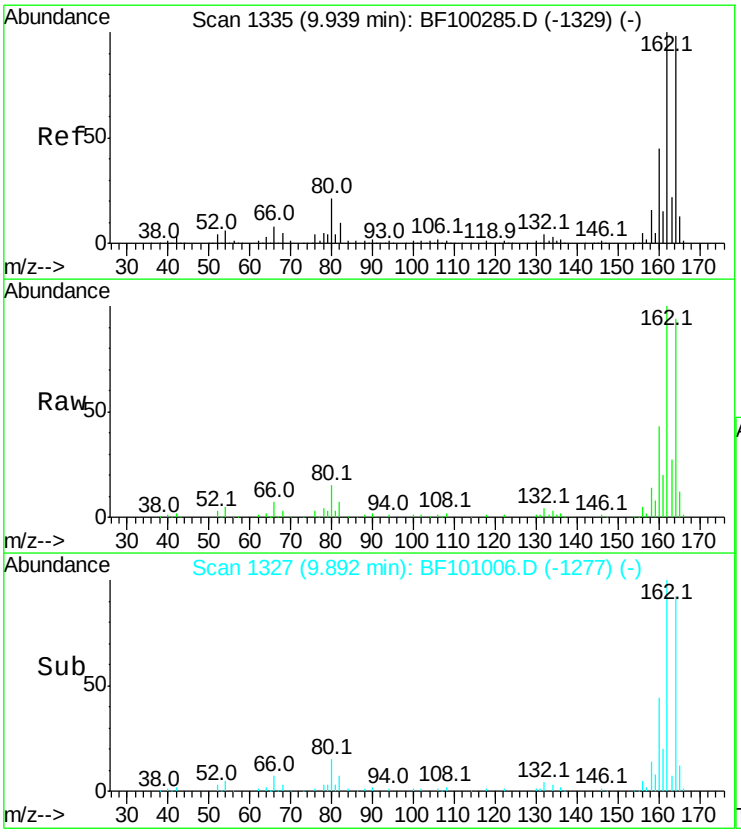
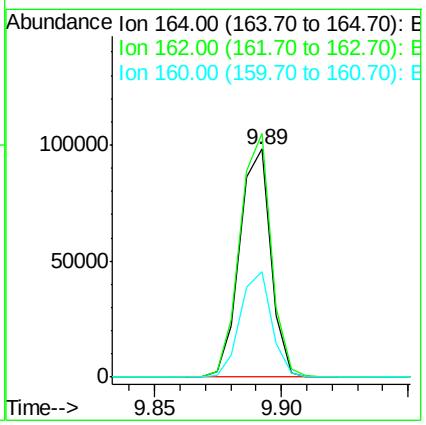
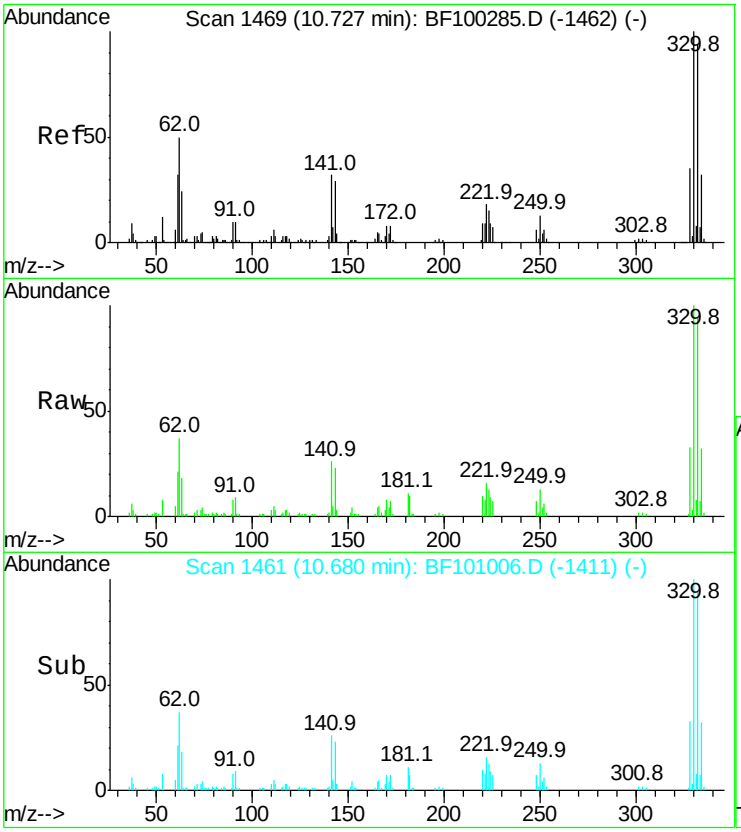


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:164 Resp: 83953

Ion	Ratio	Lower	Upper
164	100		
162	106.7	86.1	129.1
160	46.3	38.3	57.5

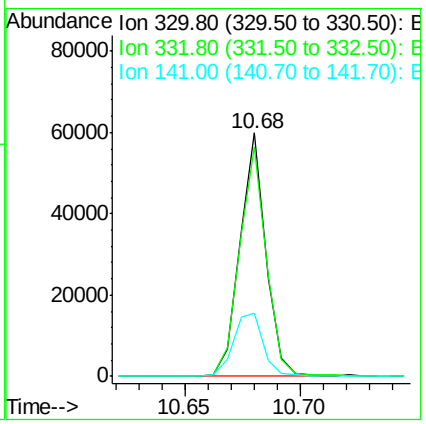




#41
2,4,6-Tribromophenol
Concen: 54.821 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:330 Resp: 46898

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	29.7	29.9	44.9#



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Manual Integrations APPROVED
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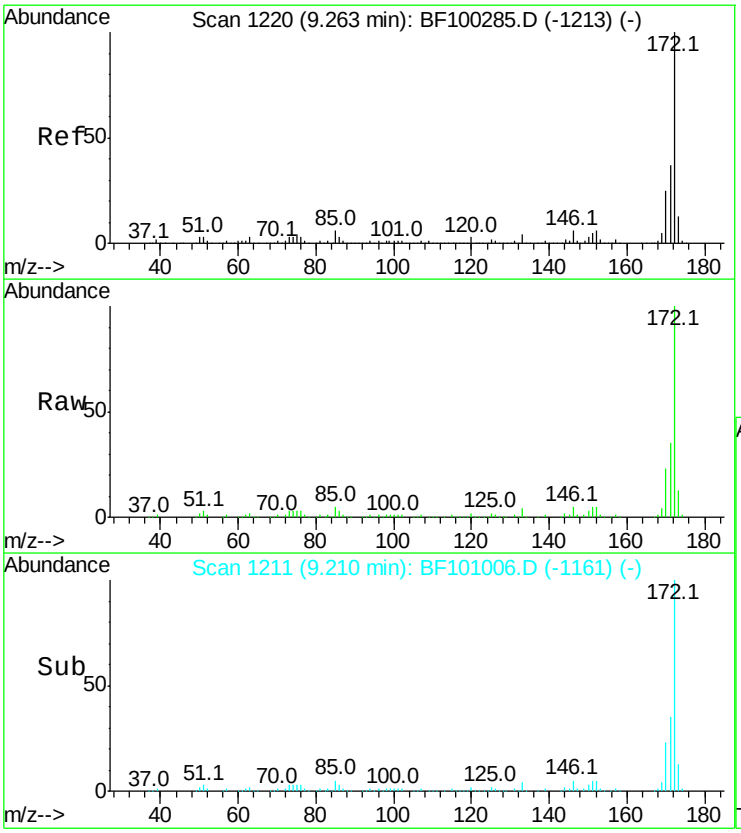
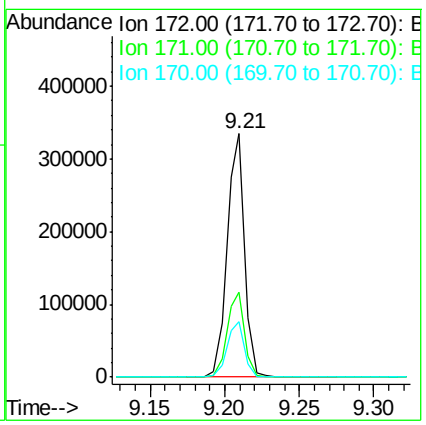
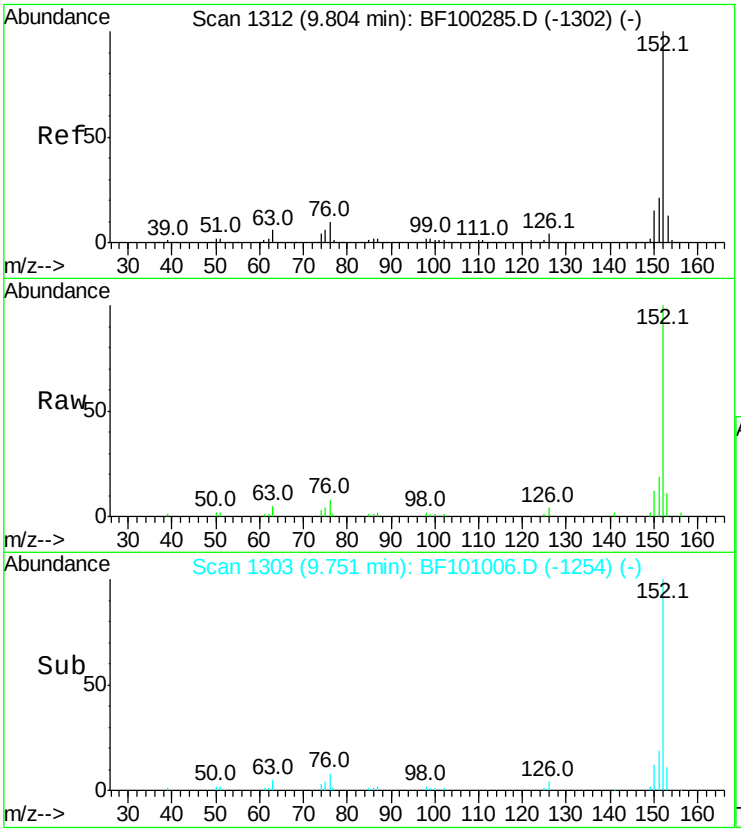


#44
2-Fluorobiphenyl
Concen: 50.356 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:172 Resp: 277633

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	22.8	19.6	29.4

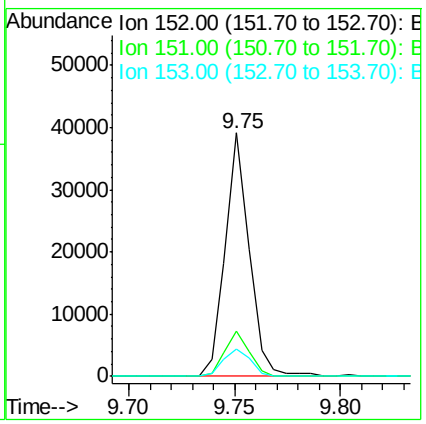




#48
Acenaphthylene
Concen: 3.527 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:152 Resp: 30794

Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.3	24.5
153	11.1	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

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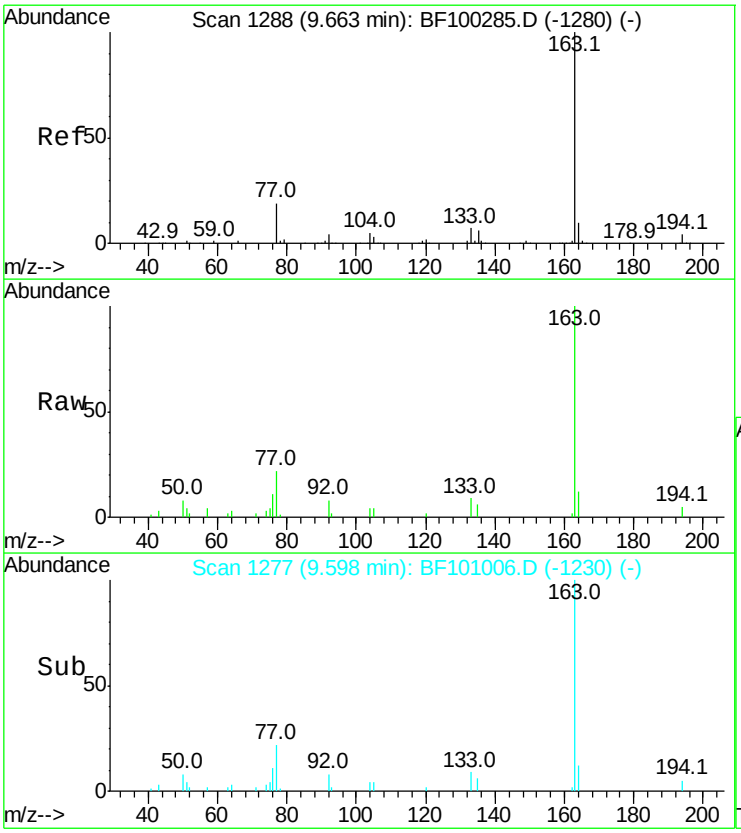
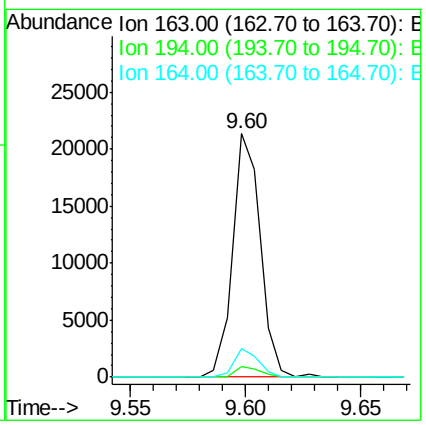
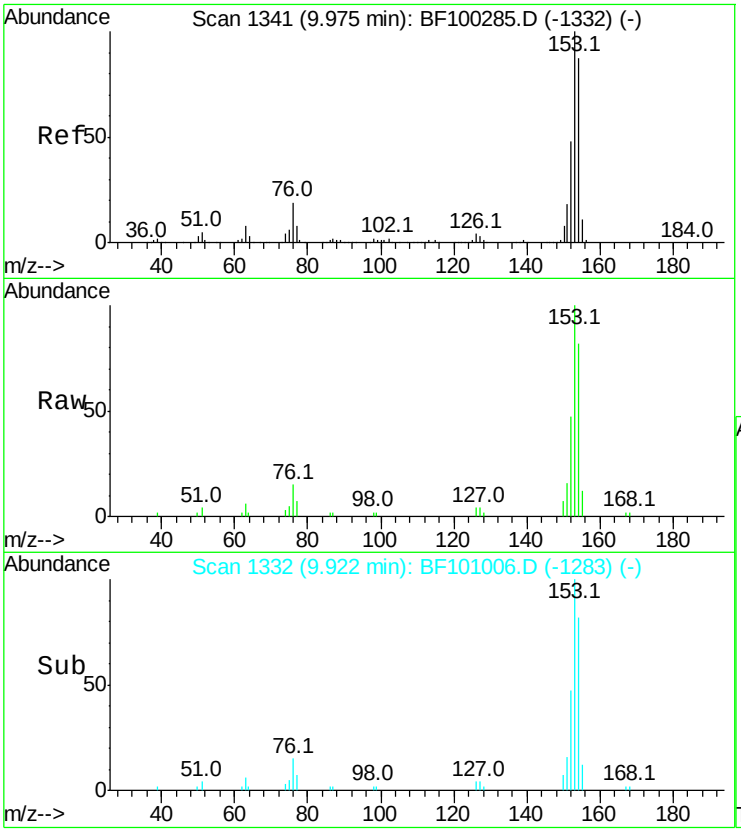


#49
Dimethylphthalate
Concen: 2.780 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:163 Resp: 17822

Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.7	4.1#
164	11.6	8.2	12.2

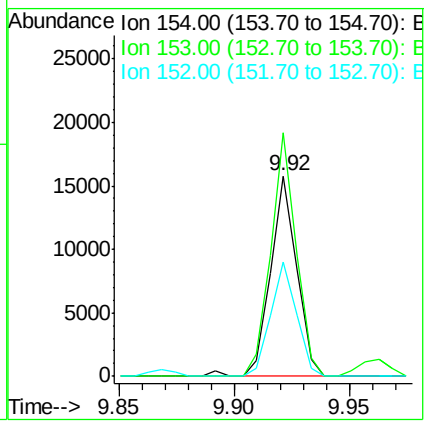




#51
Acenaphthene
Concen: 2.343 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:154 Resp: 12437

Ion	Ratio	Lower	Upper
154	100		
153	121.5	91.2	136.8
152	57.1	43.8	65.8



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Manual Integrations APPROVED
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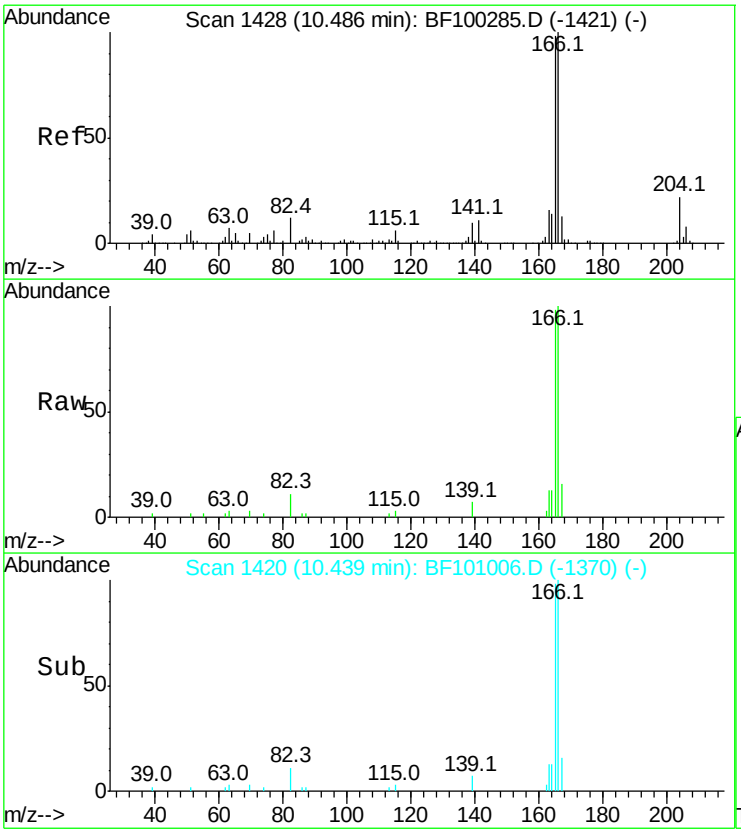
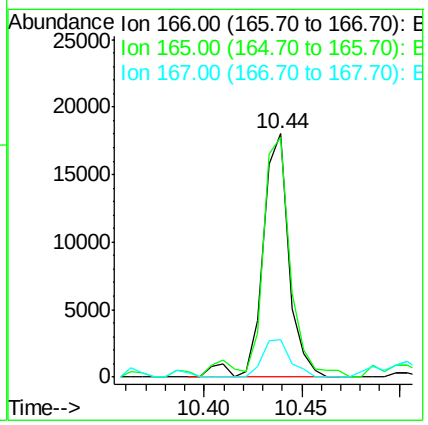
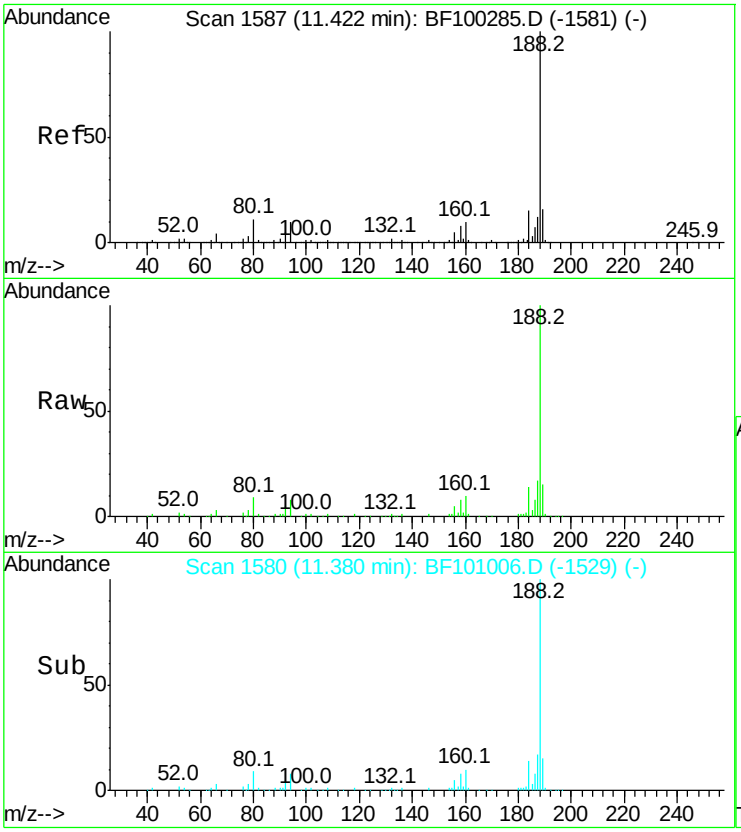


#57
Fluorene
Concen: 3.079 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:166 Resp: 16786

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.8	119.8
167	15.6	10.6	16.0





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:188 Resp: 134624

Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	8.7	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Manual Integrations APPROVED
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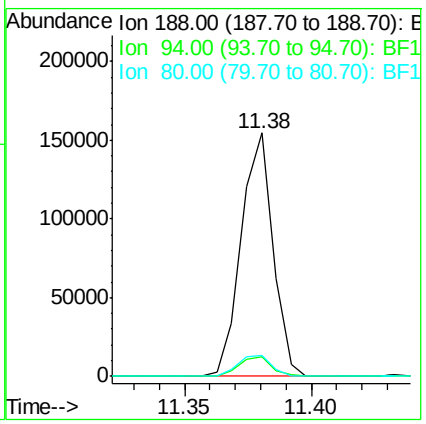
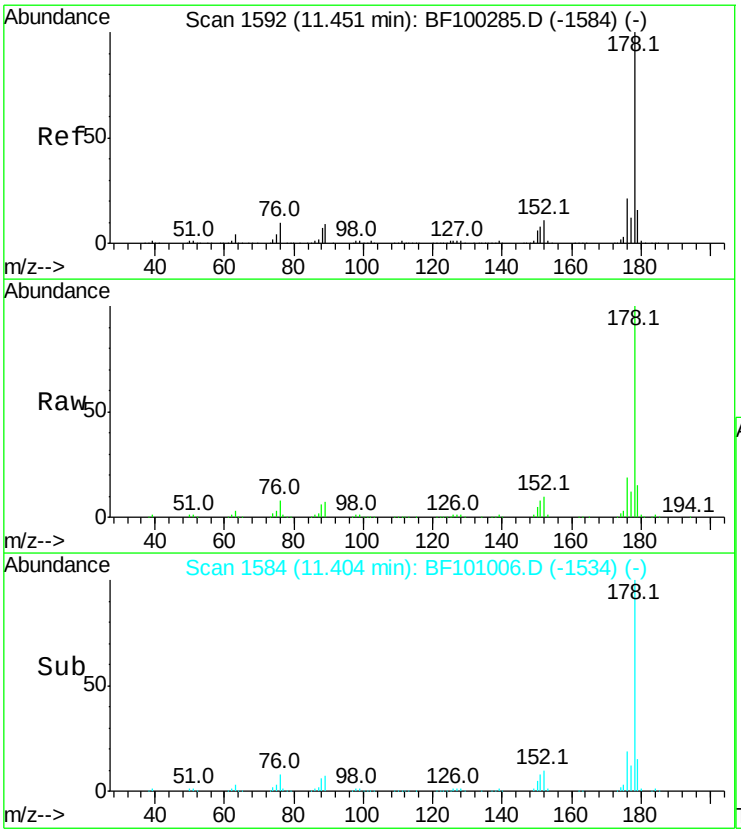
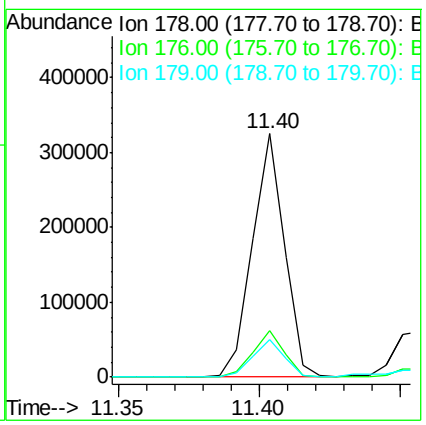


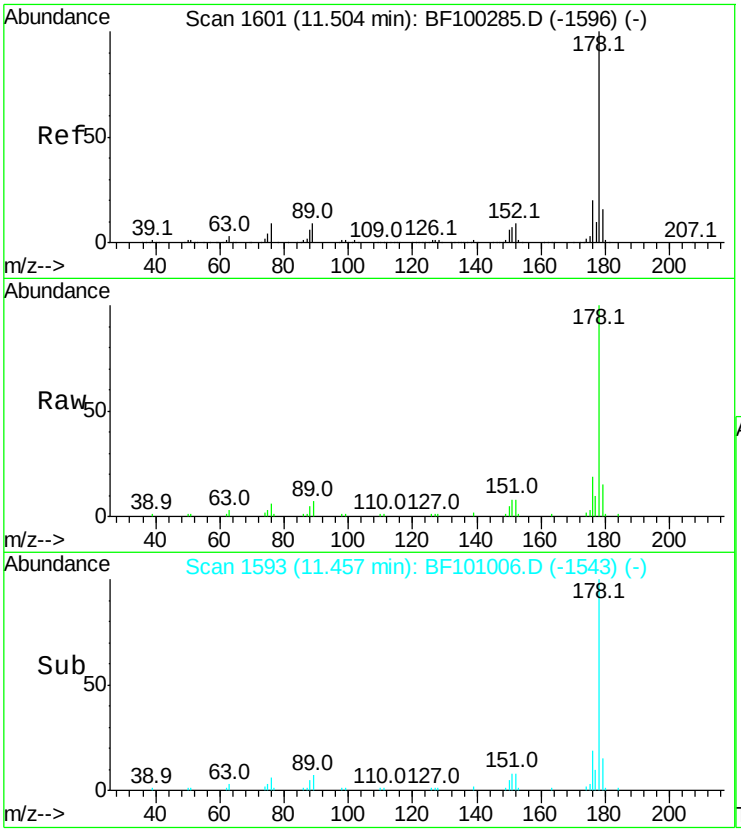


#70
Phenanthrene
Concen: 36.295 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:178 Resp: 257266

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.3	13.0	19.6

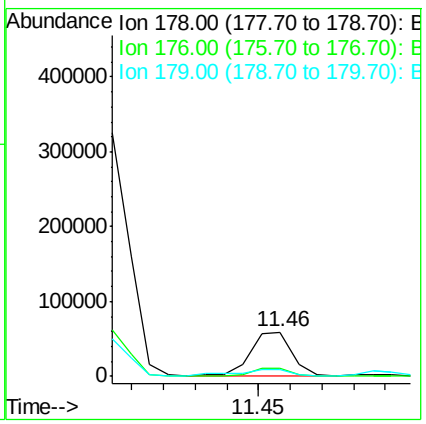




#71
Anthracene
Concen: 7.306 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:178 Resp: 52537

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.1	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Manual Integrations APPROVED
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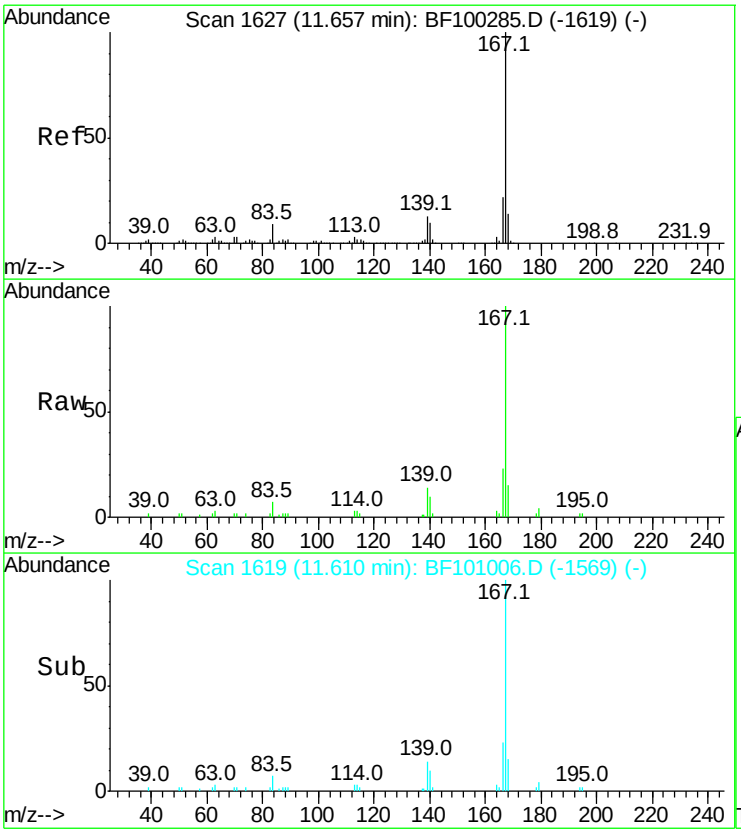
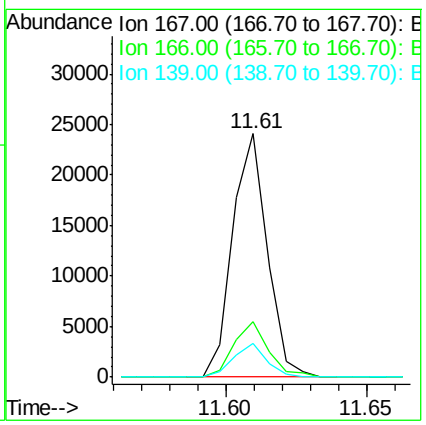
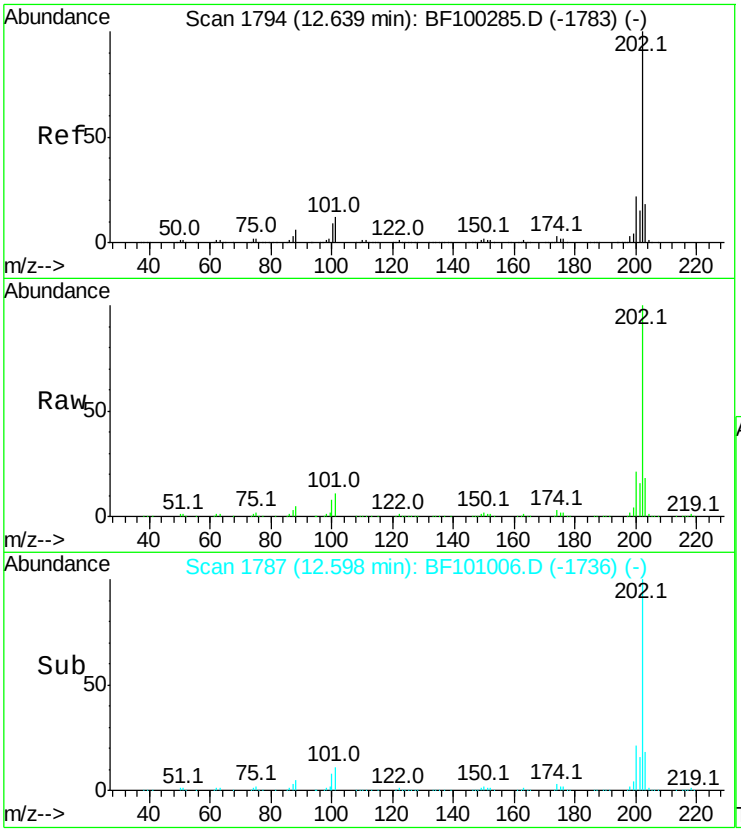


#72
Carbazole
Concen: 3.085 ng
RT: 11.61 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:167 Resp: 20472

Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	13.9	10.9	16.3

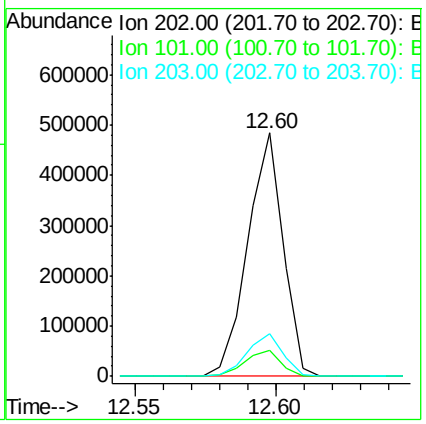




#74
Fluoranthene
Concen: 56.138 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:202 Resp: 421716

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	17.6	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

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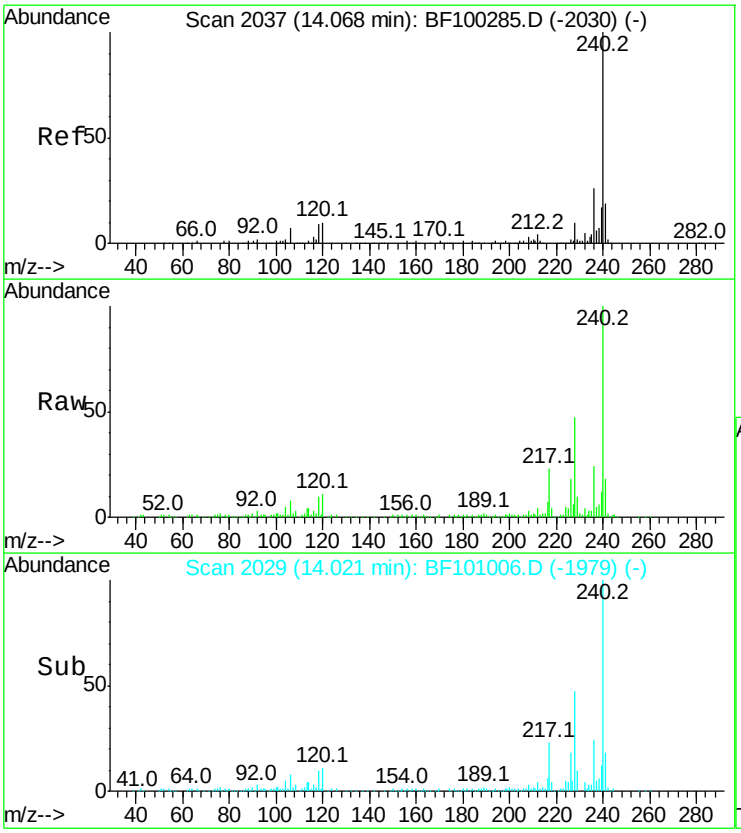
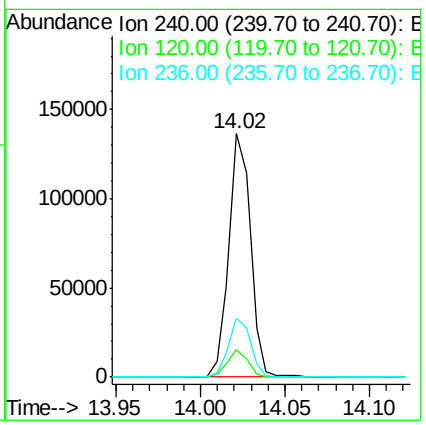
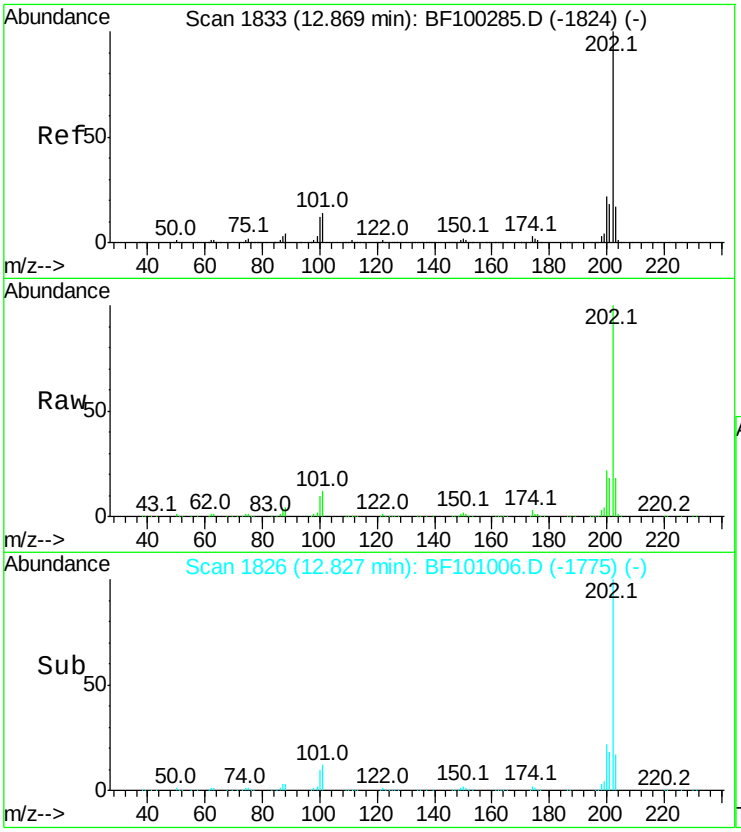


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:240 Resp: 121544

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.5	14.3
236	24.5	20.7	31.1

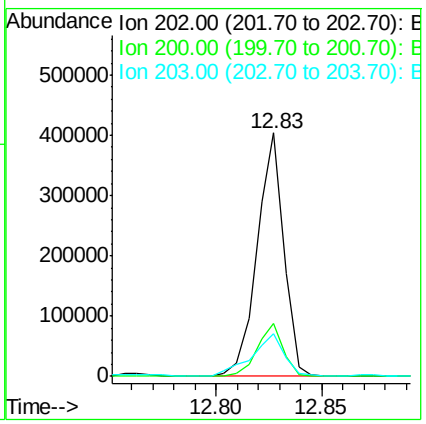




#77
Pyrene
Concen: 41.203 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:202 Resp: 356984

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.7	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

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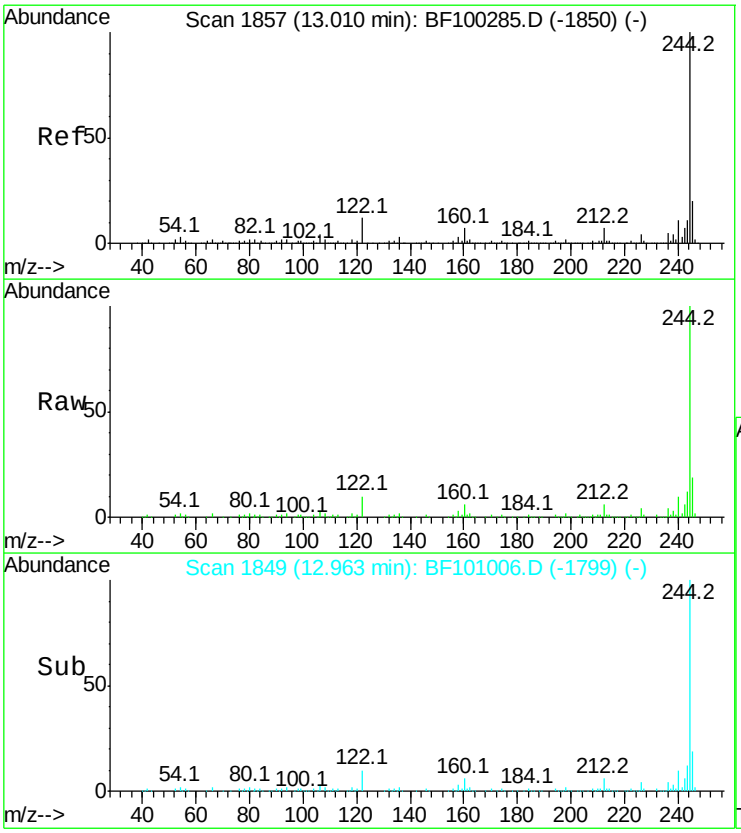
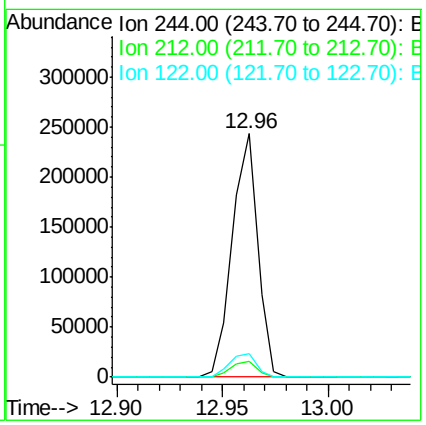
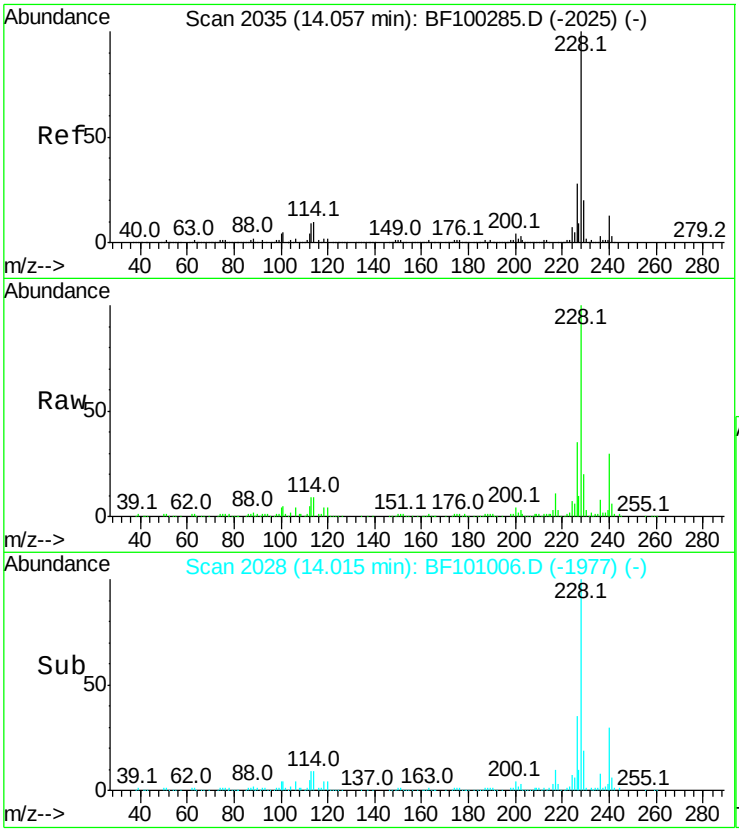


#78
Terphenyl-d14
Concen: 38.299 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:244 Resp: 202593

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.7	11.0	16.4#

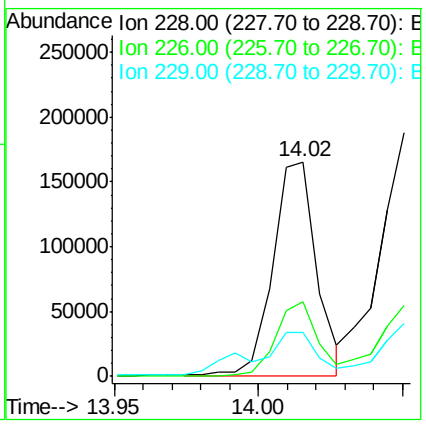




#80
Benzo(a)anthracene
Concen: 24.246 ng m
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:228 Resp: 177464

Ion	Ratio	Lower	Upper
228	100		
226	35.0	22.6	33.8#
229	20.2	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

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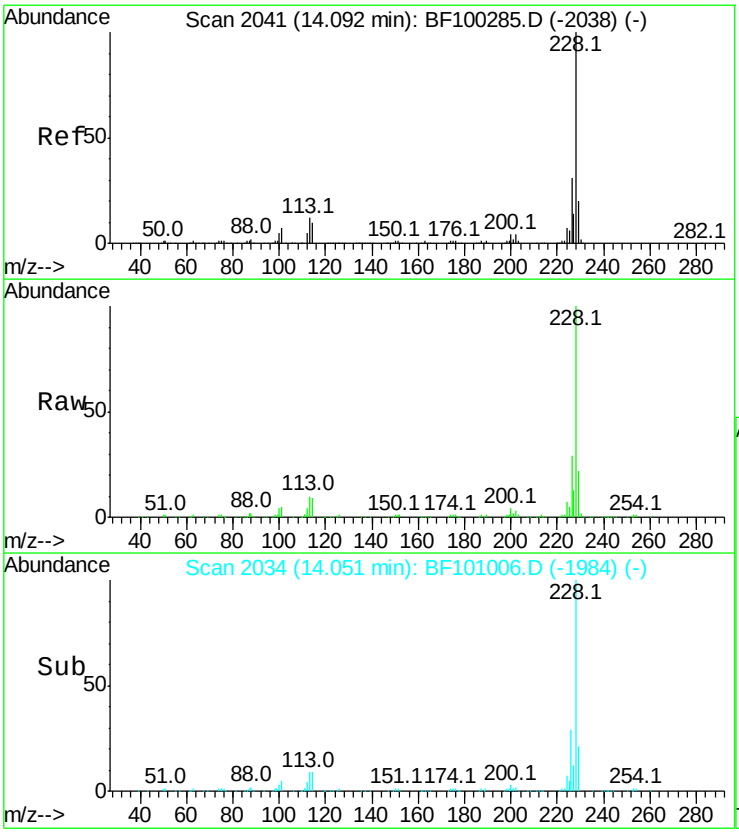
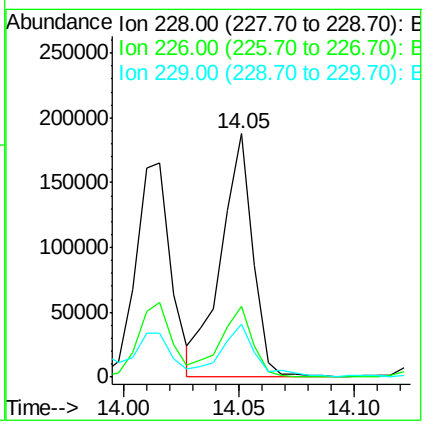
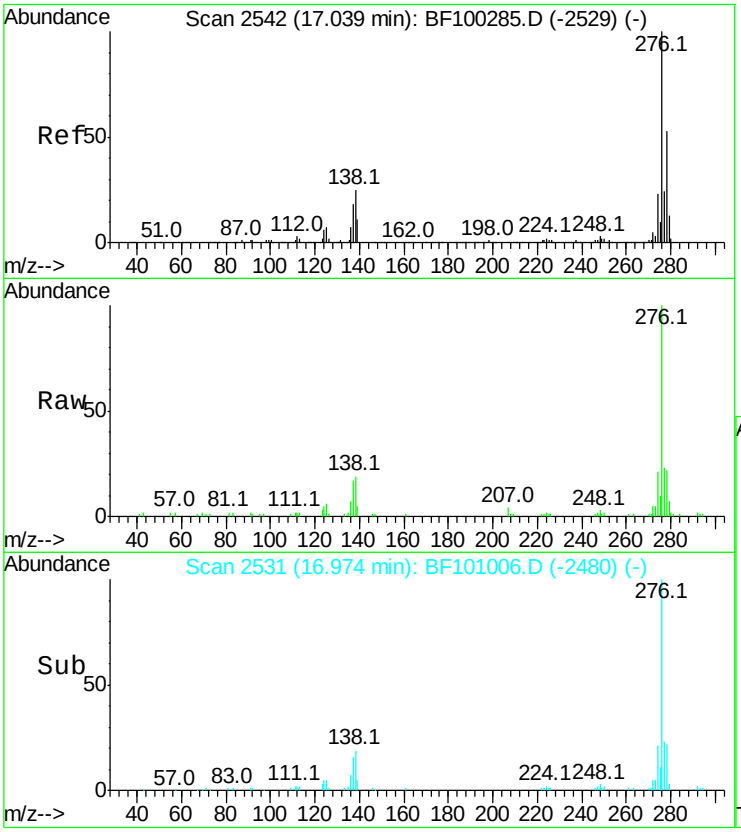


#82
Chrysene
Concen: 25.336 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:228 Resp: 179574

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	21.7	16.2	24.4

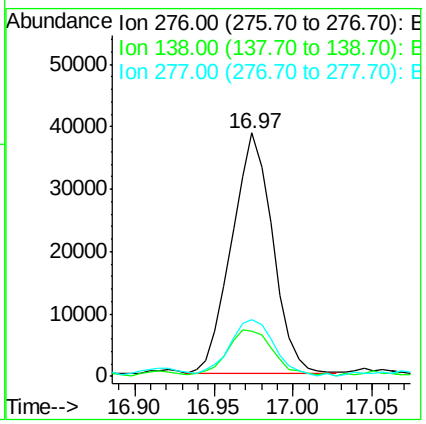




#85
Indeno(1,2,3-cd)pyrene
Concen: 11.978 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:276 Resp: 68672

Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	26.0	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

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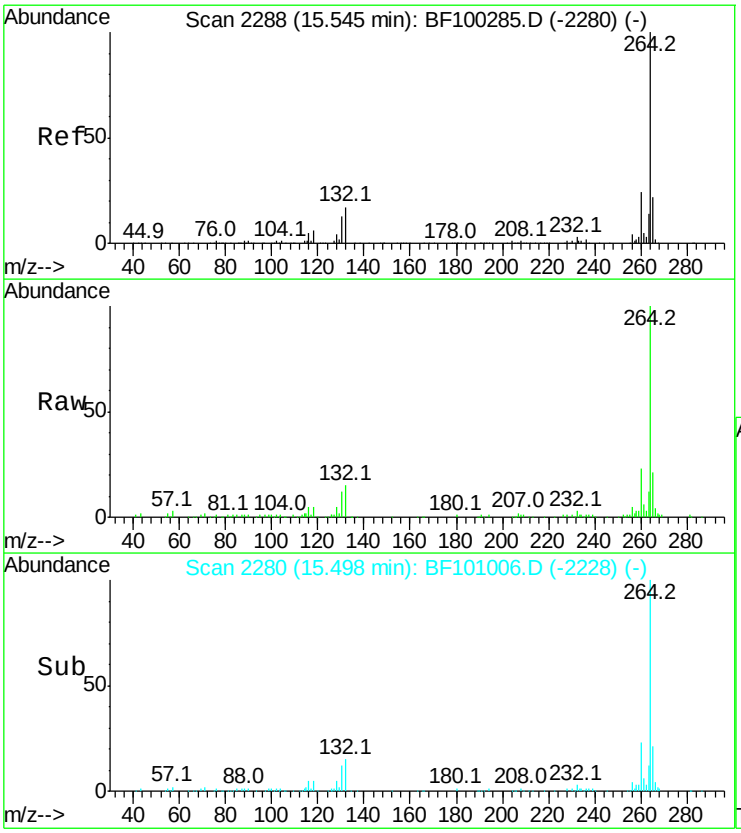
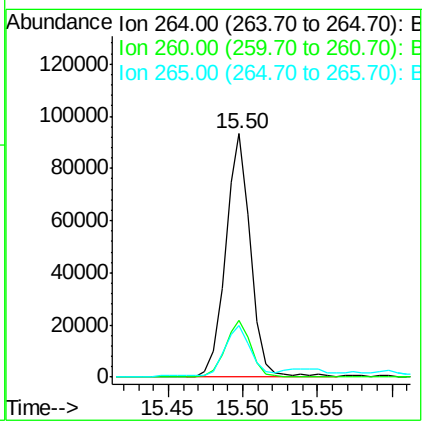
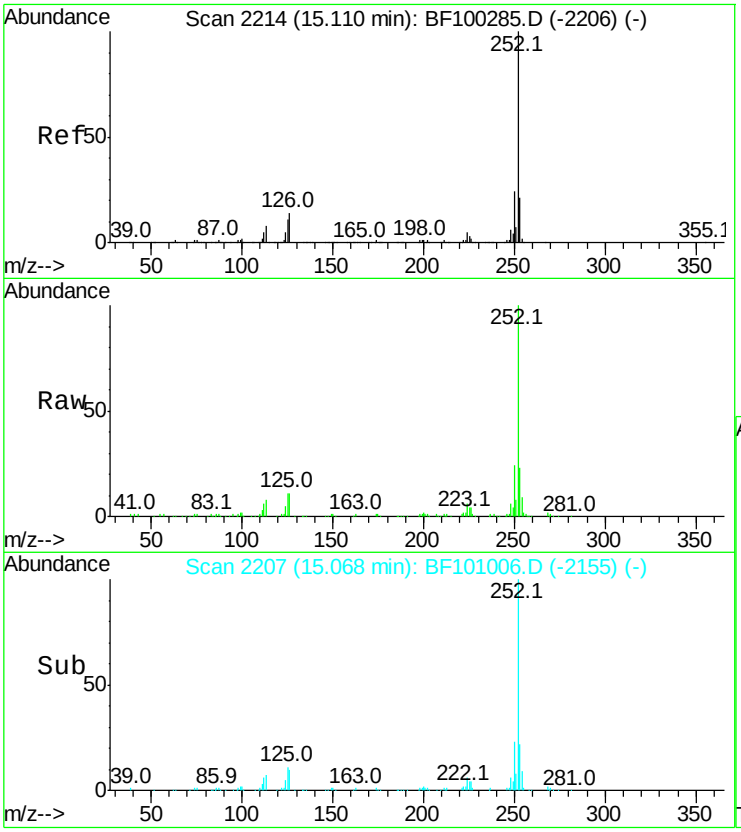


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:264 Resp: 109506

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.2	17.5	26.3

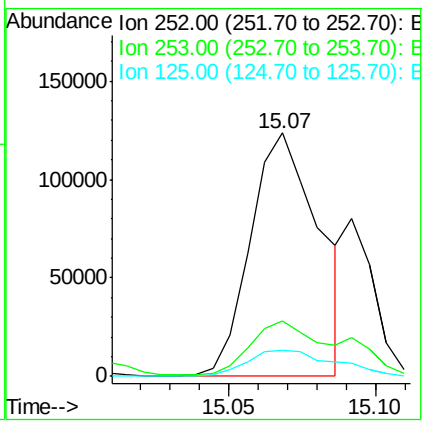




#87
Benzo(b)fluoranthene
Concen: 30.599 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:252 Resp: 198514

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	10.8	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

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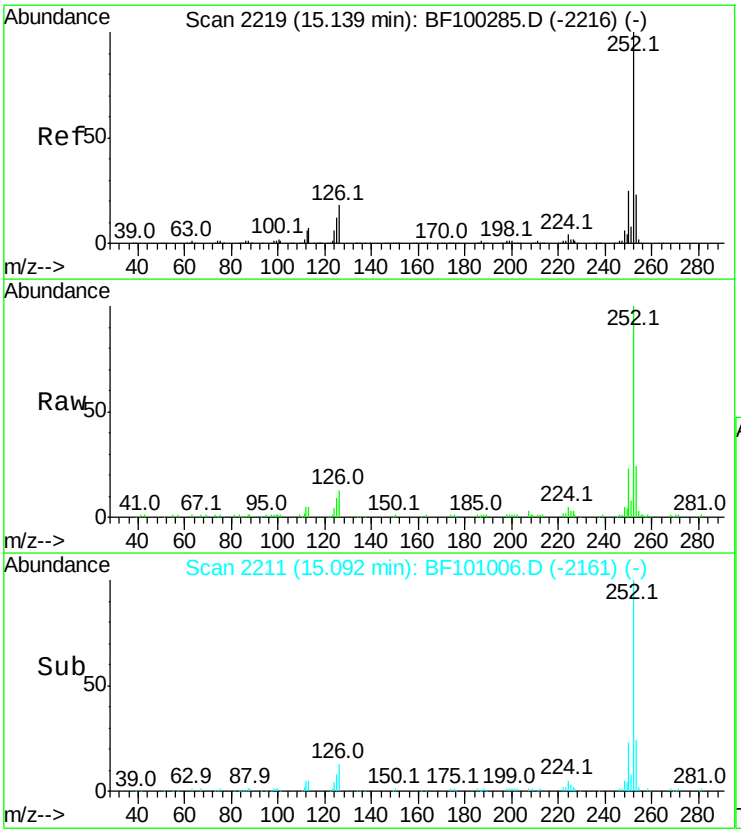
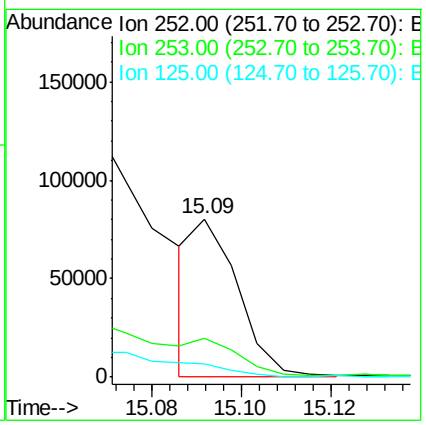
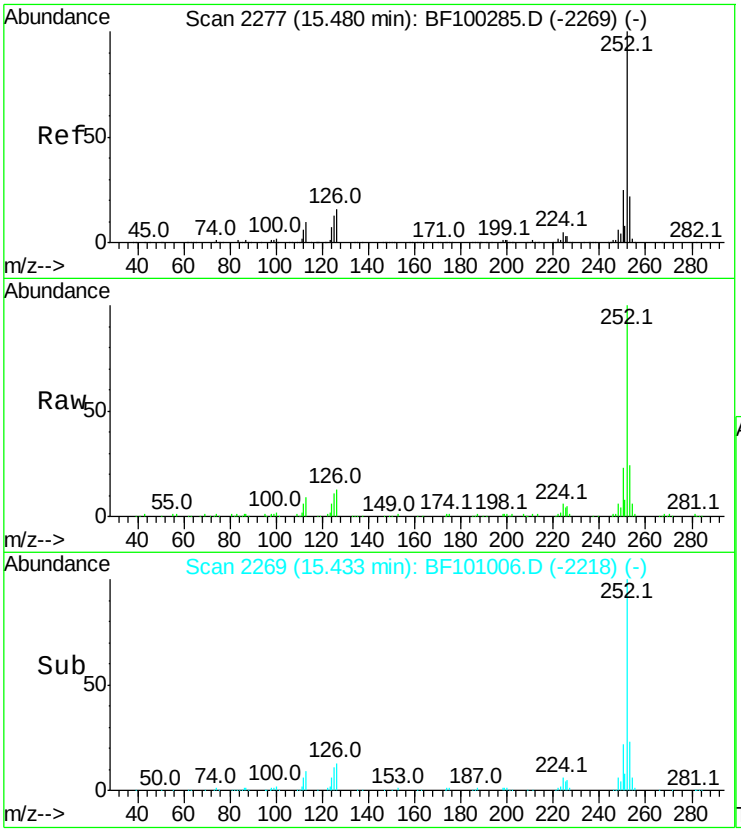


#88
Benzo(k)fluoranthene
Concen: 9.227 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:252 Resp: 56561

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	8.6	10.2	15.2#





#89
Benzo(a)pyrene
Concen: 22.463 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:252 Resp: 129199

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	11.1	9.8	14.6

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

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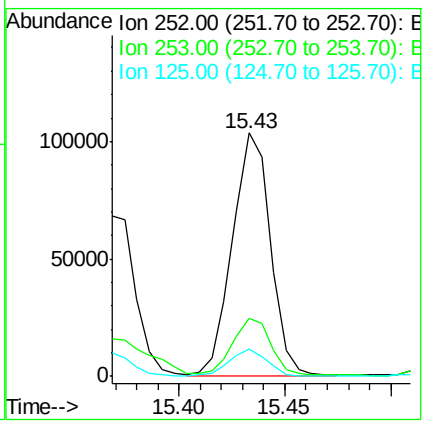
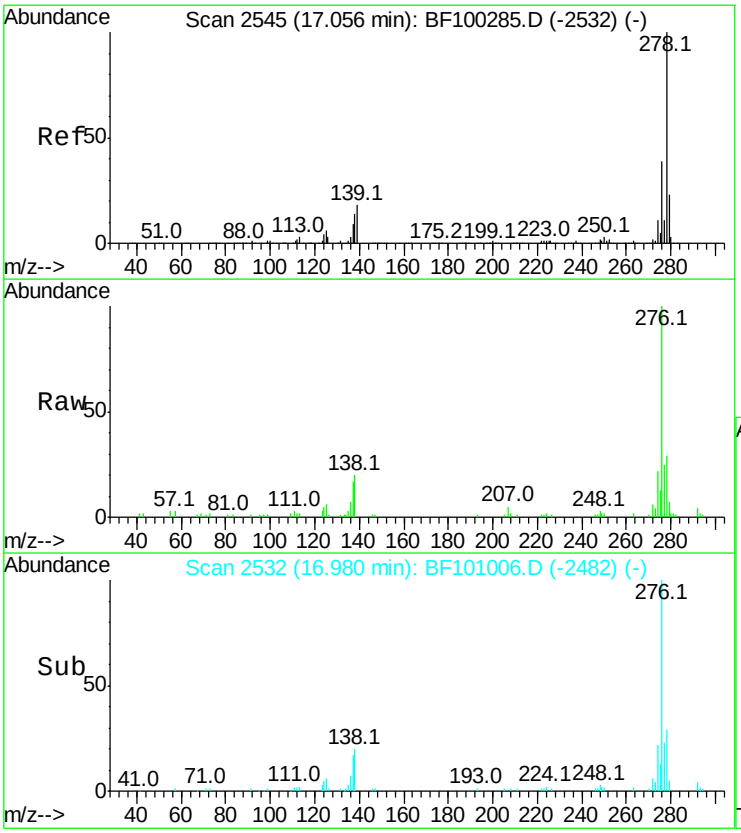
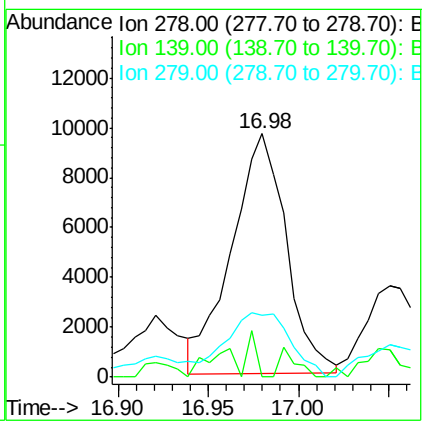


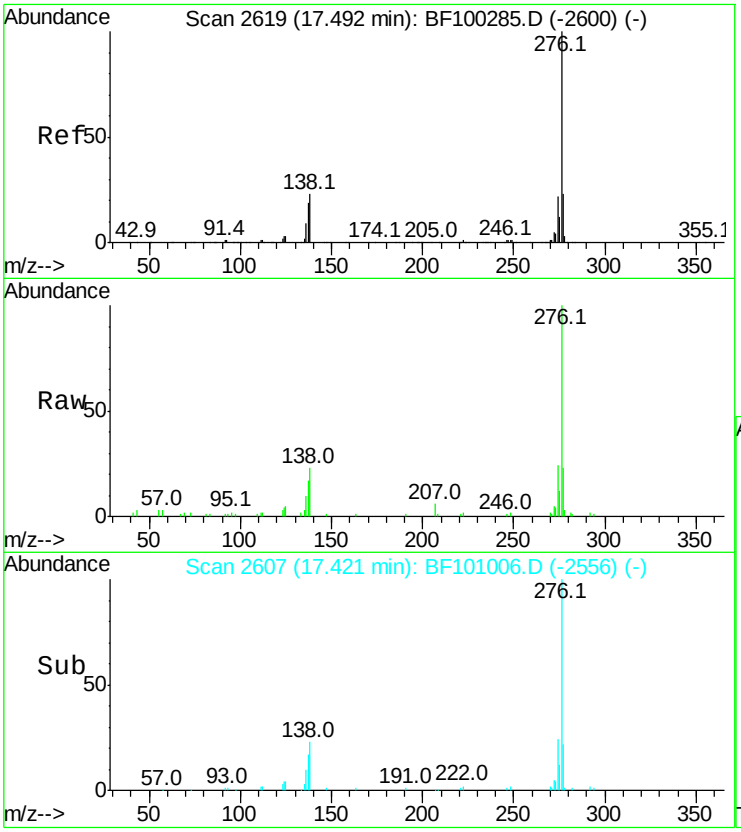


#90
Dibenzo(a,h)anthracene
Concen: 4.308 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:278 Resp: 20262

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	25.2	19.0	28.4

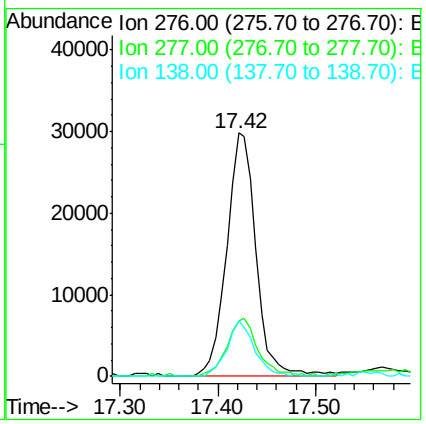




#91
Benzo(g,h,i)perylene
Concen: 13.523 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.00 min
Lab File: BF101006.D
Acq: 30 Nov 2017 5:15

Tgt Ion:276 Resp: 62263

Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.9	26.9
138	22.7	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

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