Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
Data File : BF100849.D
Acq On : 23 Nov 2017 3:01
Operator : SJ/JU
Sample : I6548-03 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
Sohil
11/27/2017 3:20:48 PM

Quant Time: Nov 27 04:17:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	77148	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	292591	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	132306	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	222930	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	151592	20.00	ng	-0.02
86) Perylene-d12	15.50	264	169145	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	99232	20.62	ng	-0.02
7) Phenol-d6	6.48	99	121606	20.49	ng	-0.03
23) Nitrobenzene-d5	7.42	82	74613	16.86	ng	-0.04
41) 2,4,6-Tribromophenol	10.68	330	26594	19.73	ng	-0.03
44) 2-Fluorobiphenyl	9.22	172	162073	18.65	ng	-0.02
78) Terphenyl-d14	12.96	244	113518	17.21	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	11.40	178	51729	4.407	ng	97
74) Fluoranthene	12.60	202	110522	8.885	ng	94
77) Pyrene	12.83	202	124632	11.534	ng	98
80) Benzo(a)anthracene	14.01	228	66174	7.249	ng	92
82) Chrysene	14.05	228	63768	7.214	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	48995	6.852	ng	94
87) Benzo(b)fluoranthene	15.06	252	93027m	9.283	ng	
88) Benzo(k)fluoranthene	15.09	252	32532m	3.436	ng	
89) Benzo(a)pyrene	15.43	252	79503	8.949	ng	97
91) Benzo(g,h,i)perylene	17.42	276	53585	7.534	ng	92

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

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Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
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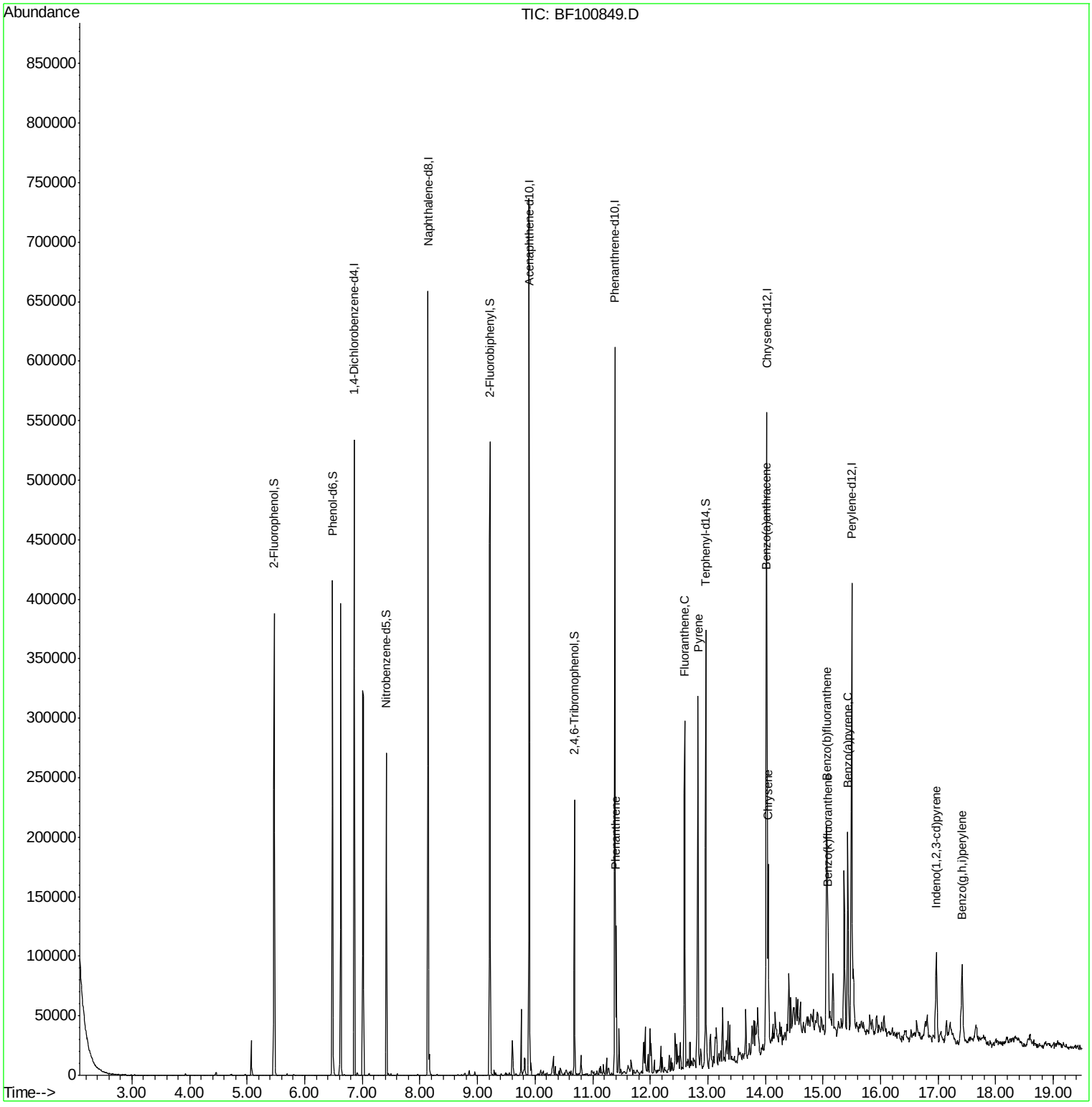
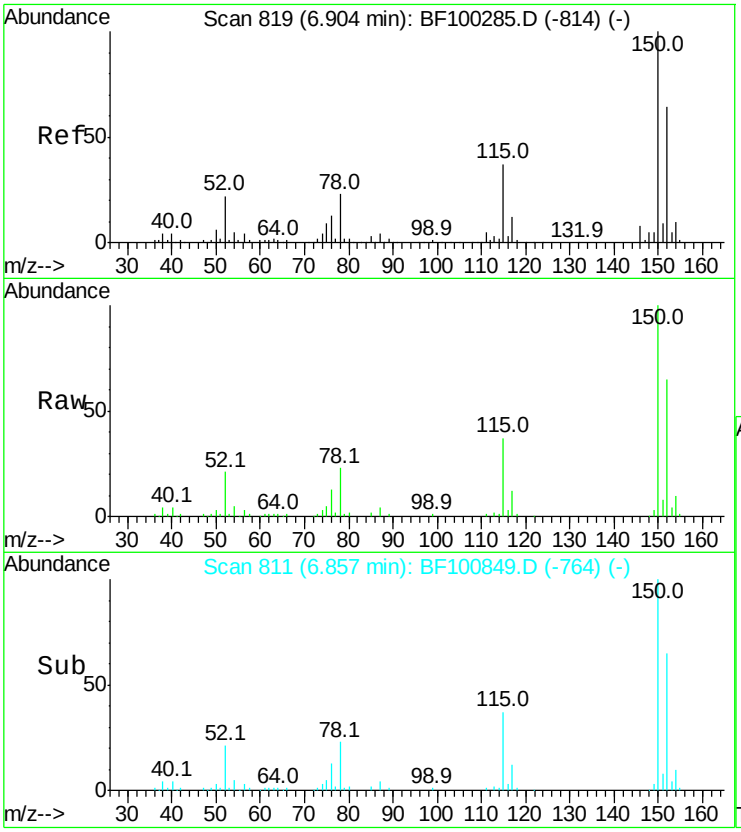
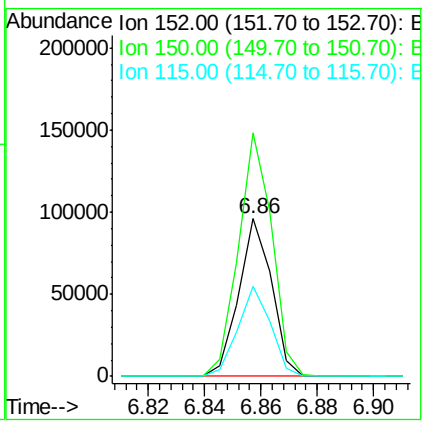




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:152 Resp: 77148

Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	57.1	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
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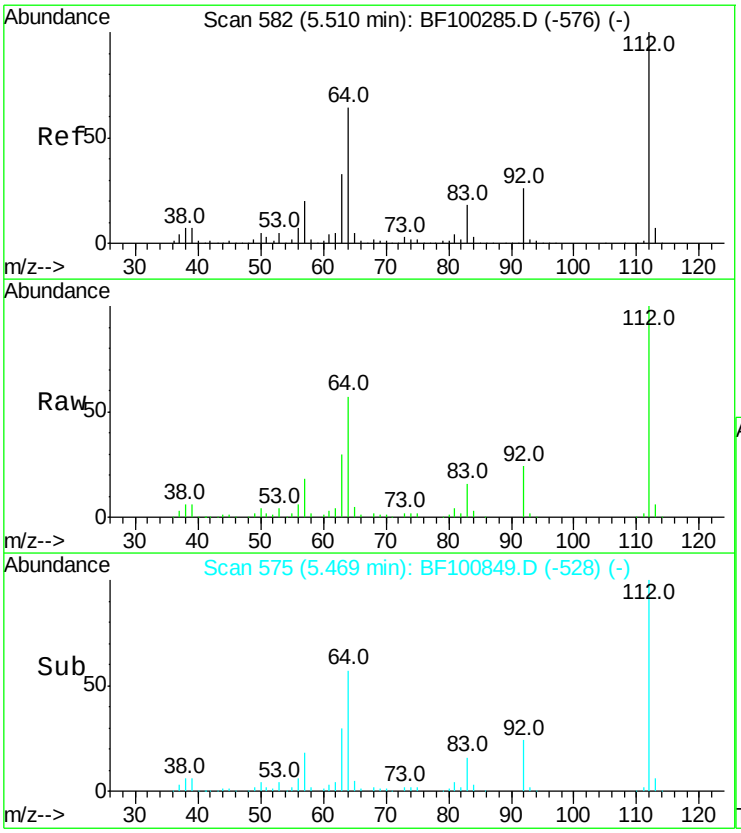
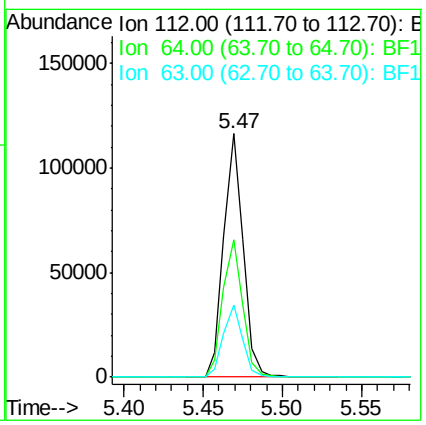
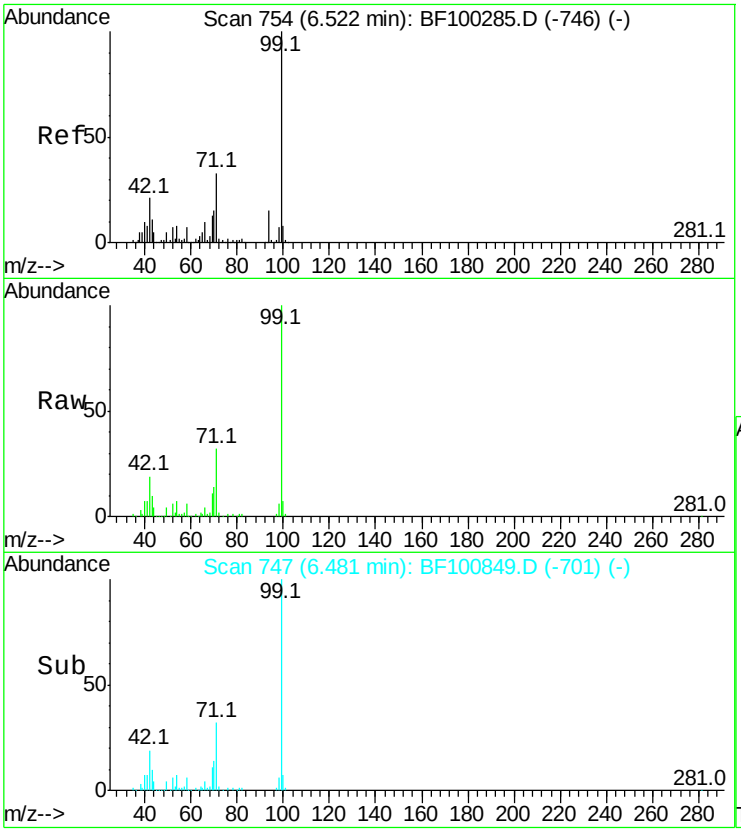


#5
2-Fluorophenol
Concen: 20.619 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:112 Resp: 99232

Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	29.8	23.7	35.5

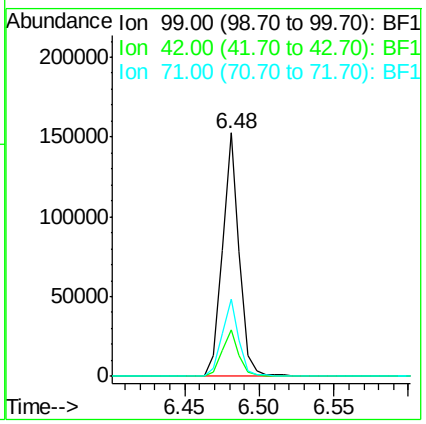




#7
Phenol-d6
Concen: 20.490 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.03 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion: 99 Resp: 121606

Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.5	21.7
71	31.8	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
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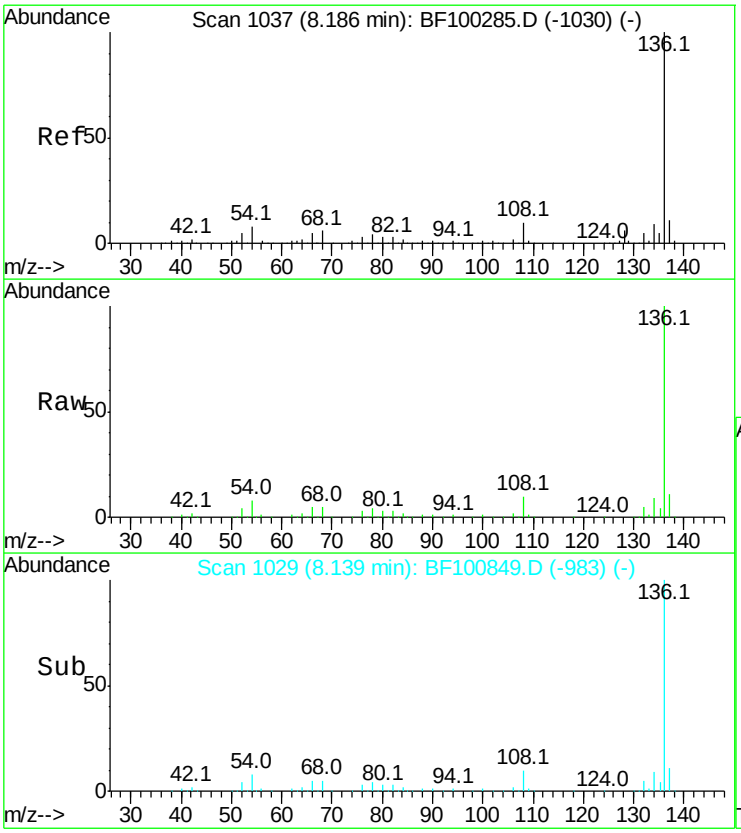
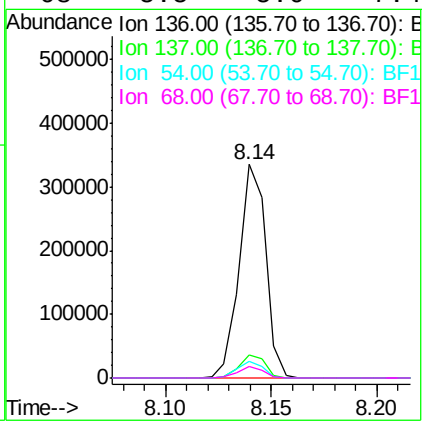
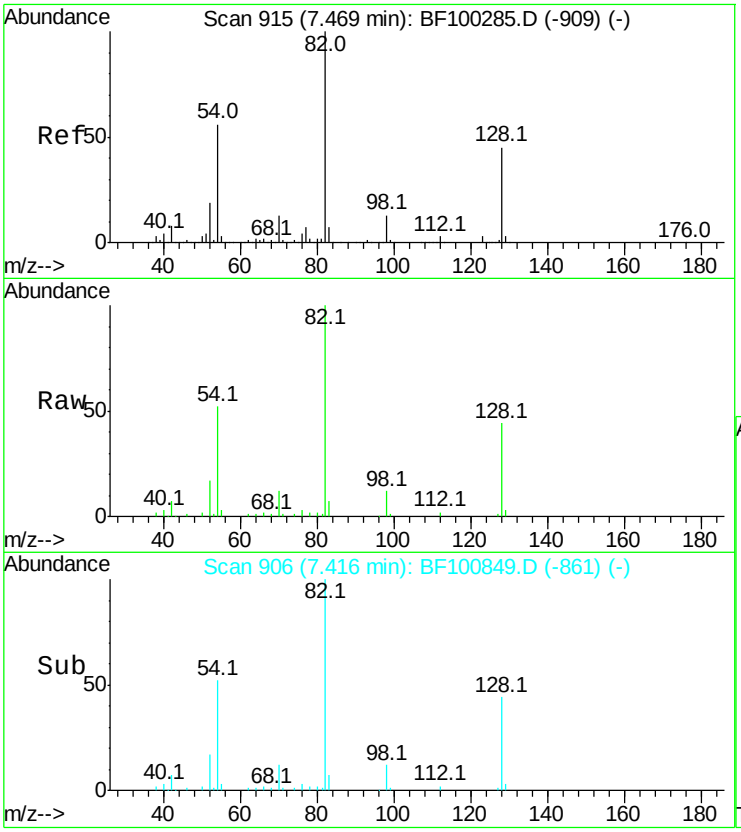


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:136 Resp: 292591

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.9	6.6	9.8
68	5.5	5.0	7.4

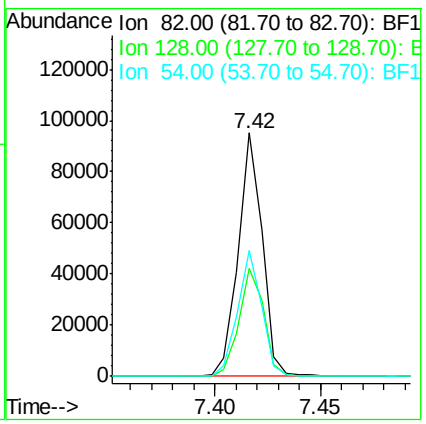




#23
Nitrobenzene-d5
Concen: 16.859 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.04 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion: 82 Resp: 74613

Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.1	54.1
54	51.9	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
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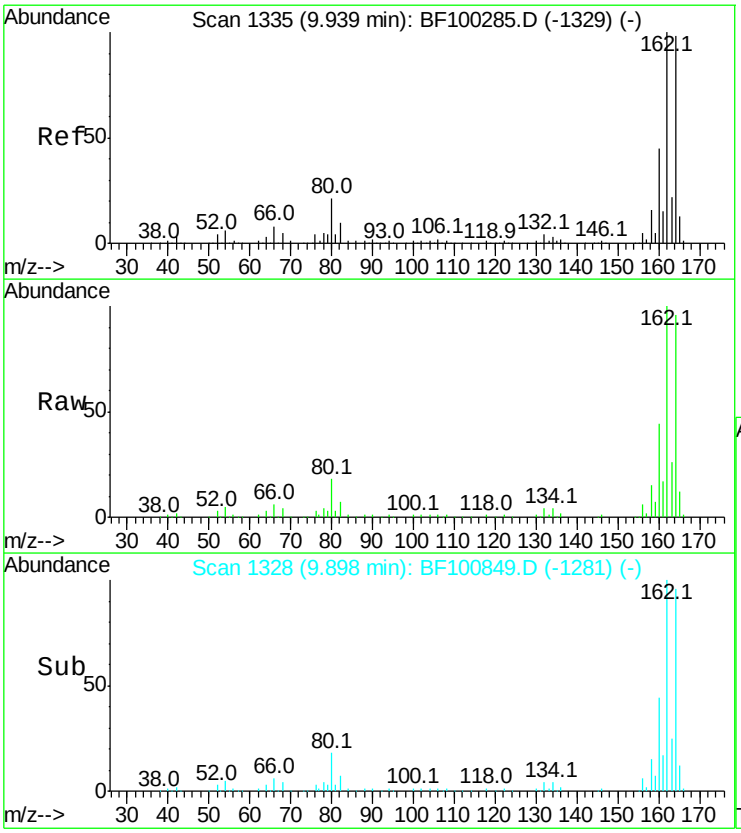
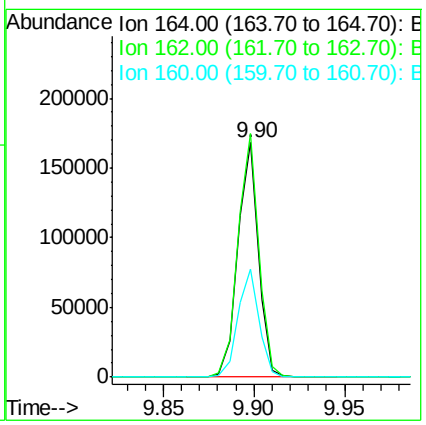
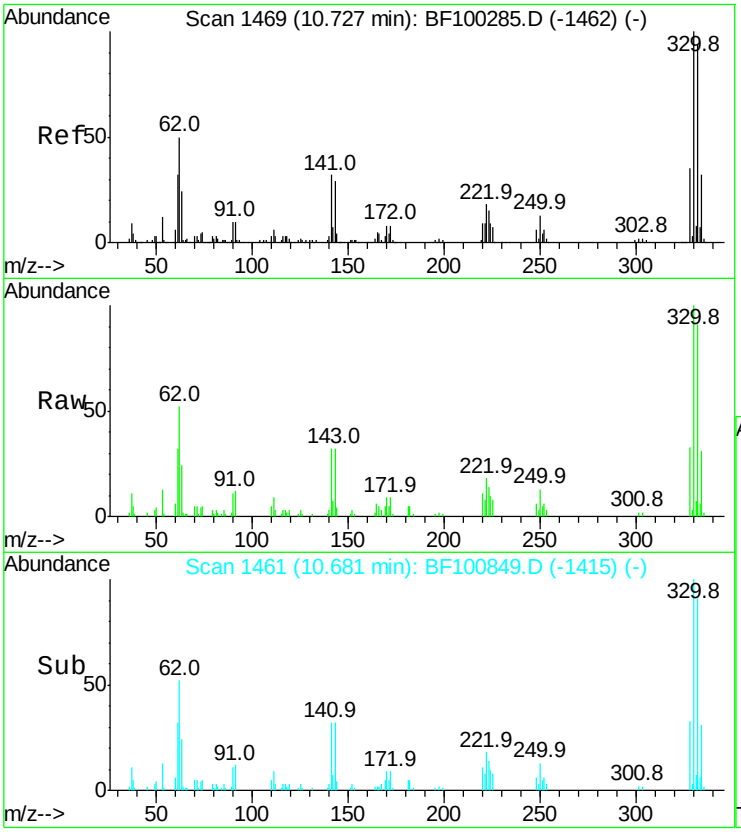


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:164 Resp: 132306

Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	45.8	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 19.726 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.03 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:330 Resp: 26594

Ion	Ratio	Lower	Upper
330	100		
332	92.7	77.0	115.6
141	28.6	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
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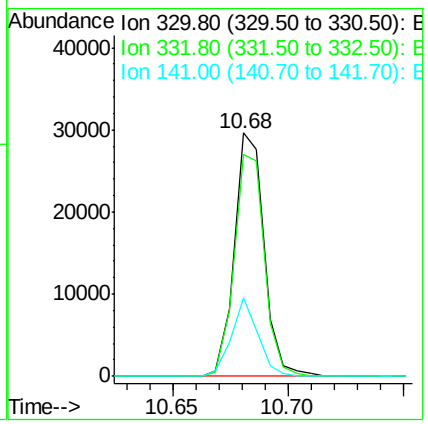
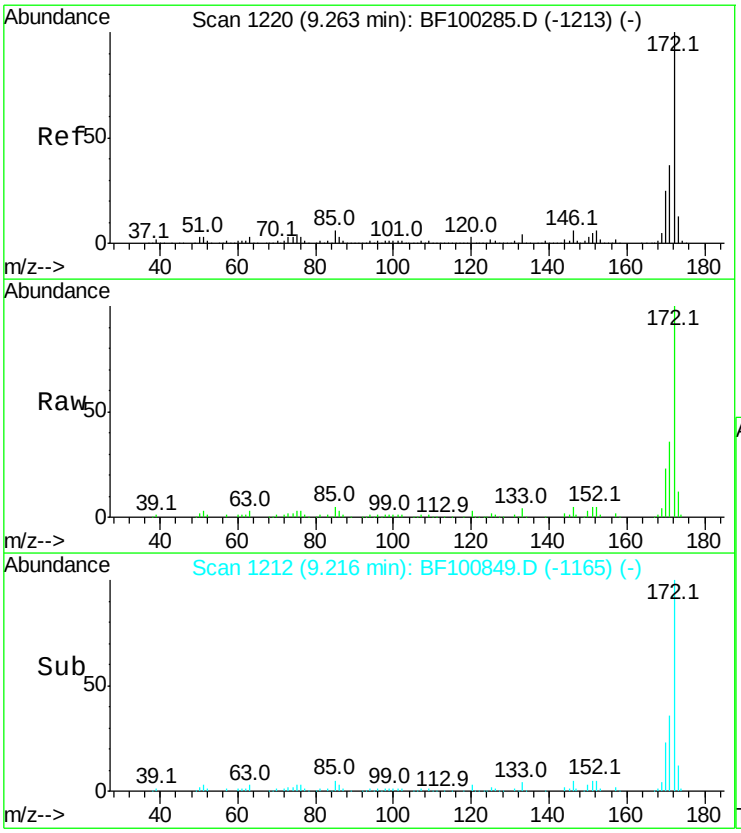
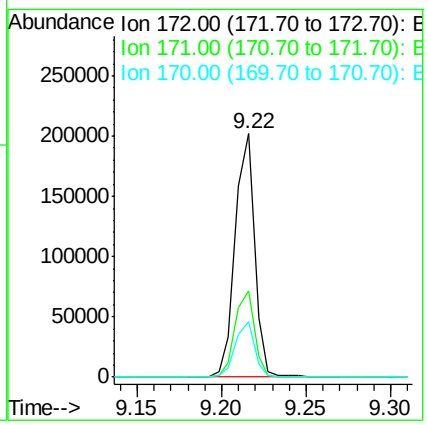


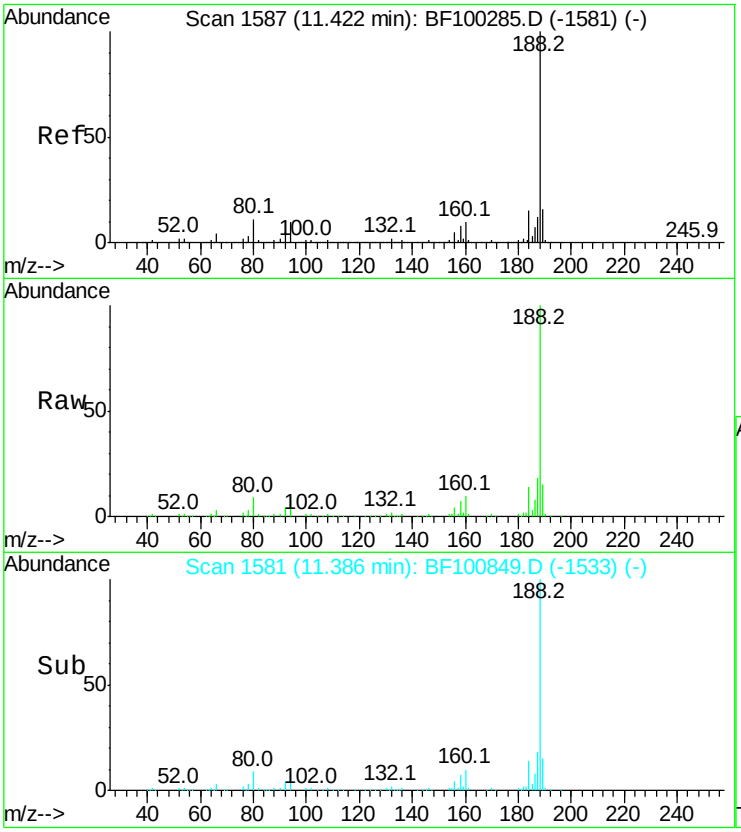


#44
2-Fluorobiphenyl
Concen: 18.653 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:172 Resp: 162073

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	22.7	19.6	29.4

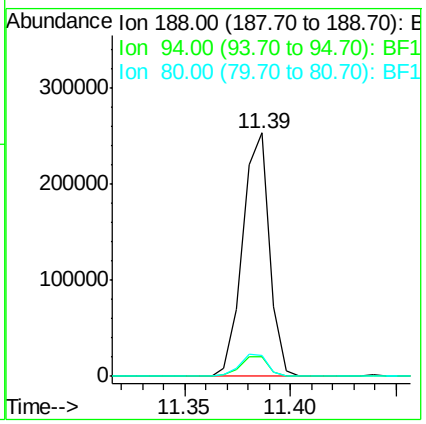




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:188 Resp: 222930

Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	8.8	9.2	13.8#



Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
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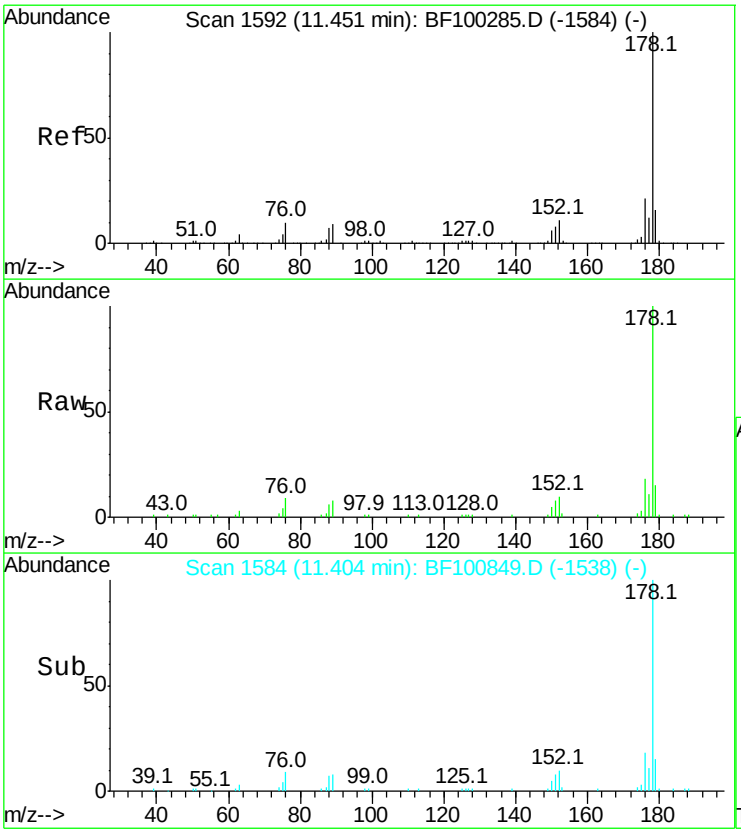
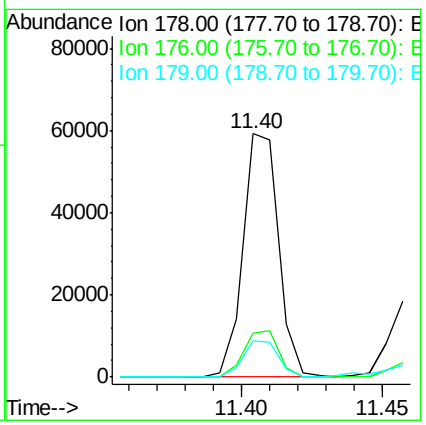
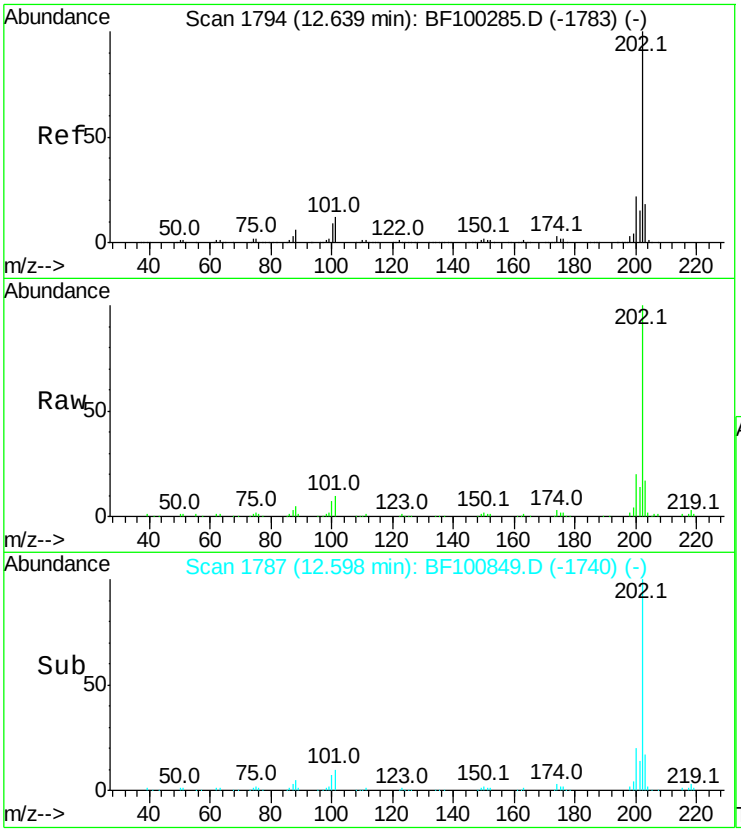


#70
Phenanthrene
Concen: 4.407 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.03 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:178 Resp: 51729

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.0	13.0	19.6

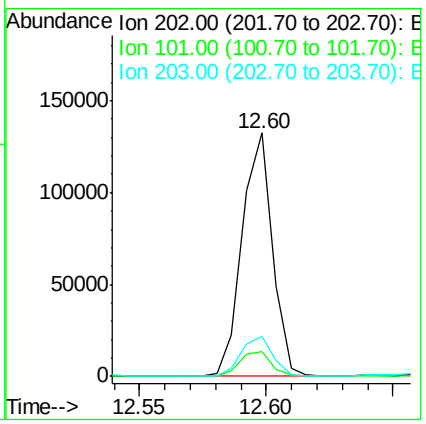




#74
Fluoranthene
Concen: 8.885 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:202 Resp: 110522

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	34.1
203	16.7	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
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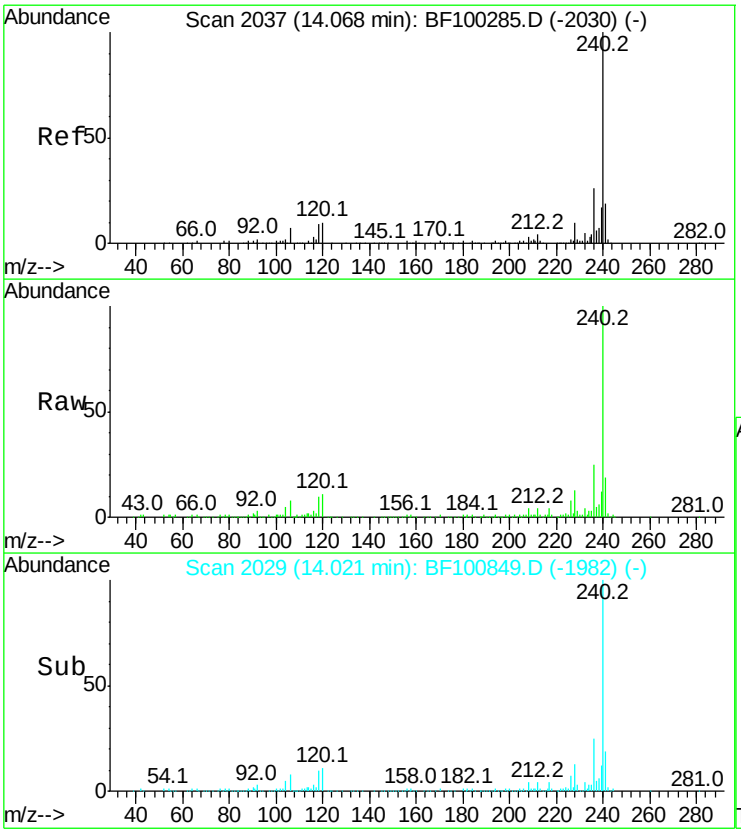
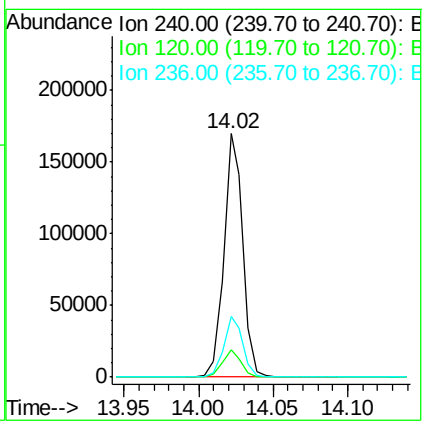
11/27/2017 3:20:48 PM

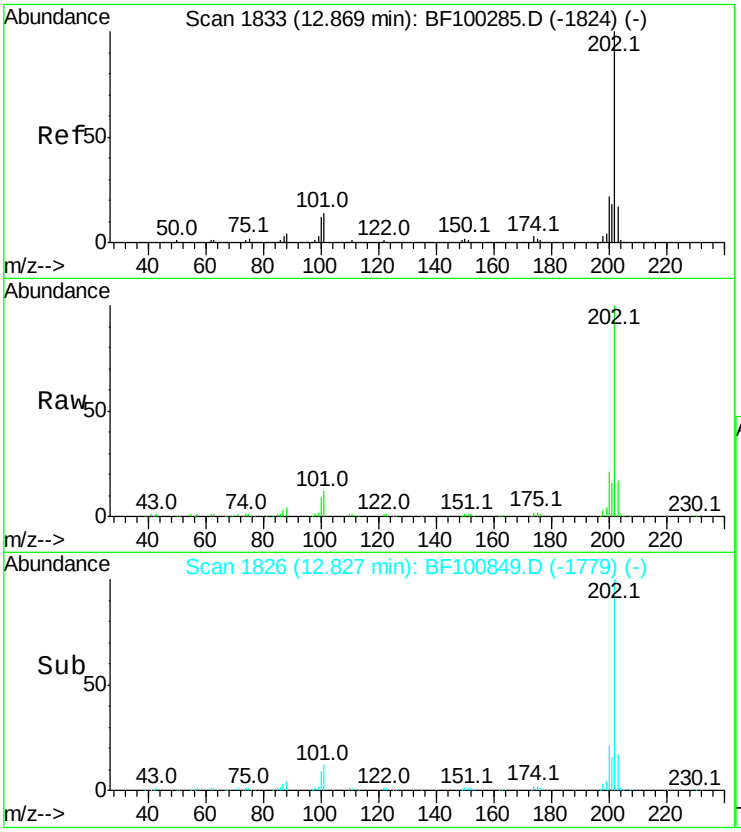


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:240 Resp: 151592

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.0	20.7	31.1

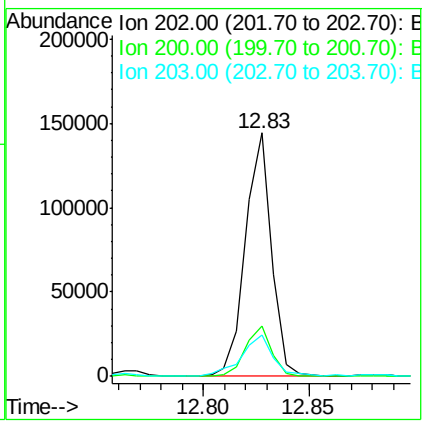




#77
Pyrene
Concen: 11.534 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:202 Resp: 124632

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	16.9	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
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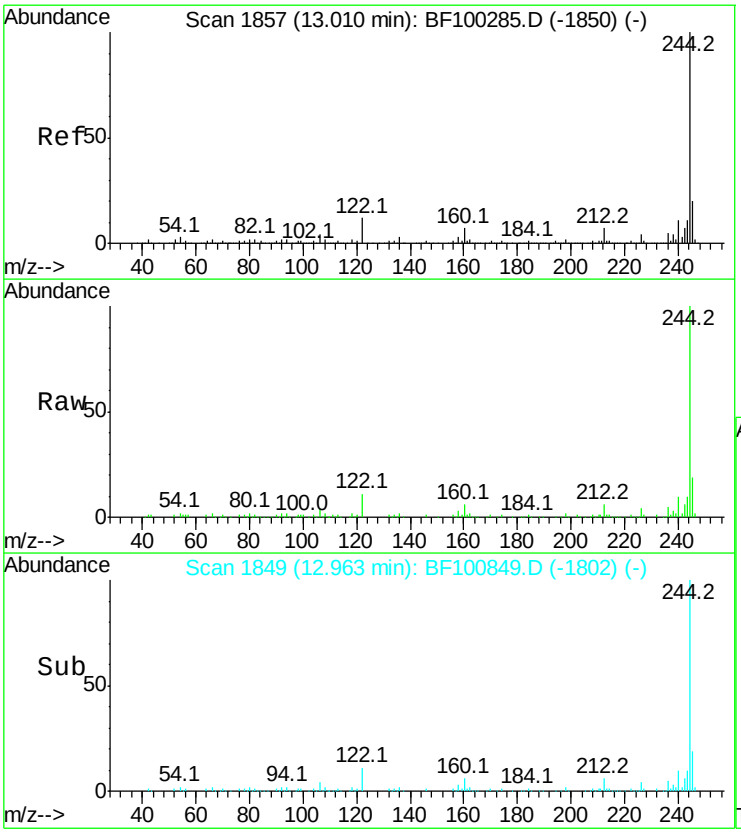
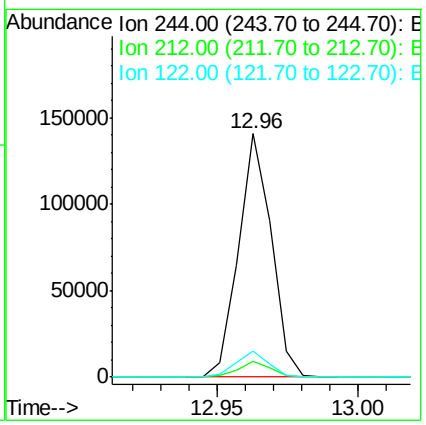
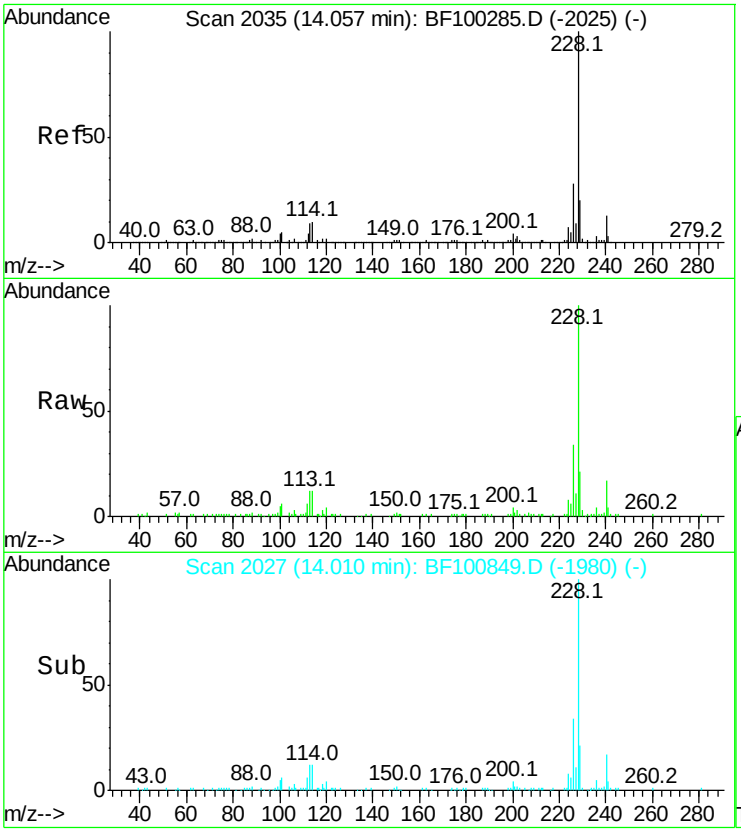


#78
Terphenyl-d14
Concen: 17.206 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:244 Resp: 113518

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.9	11.0	16.4#

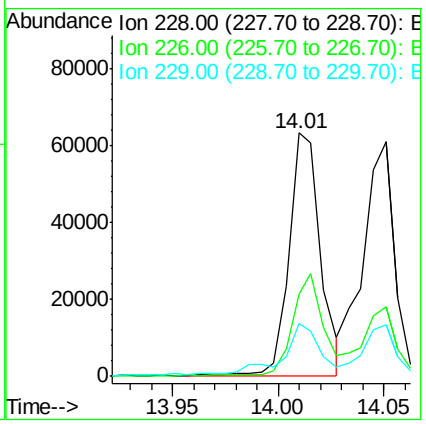




#80
Benzo(a)anthracene
Concen: 7.249 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:228 Resp: 66174

Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.6	33.8
229	21.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
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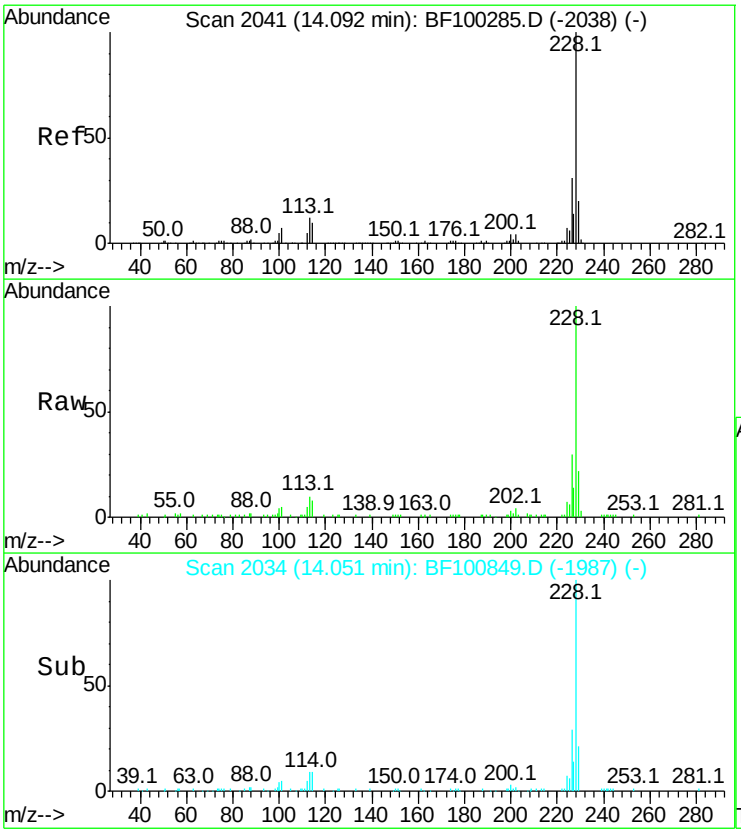
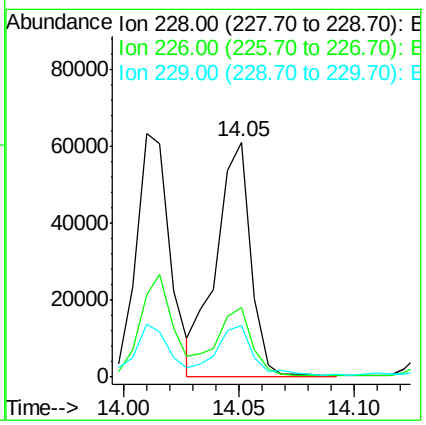
11/27/2017 3:20:48 PM

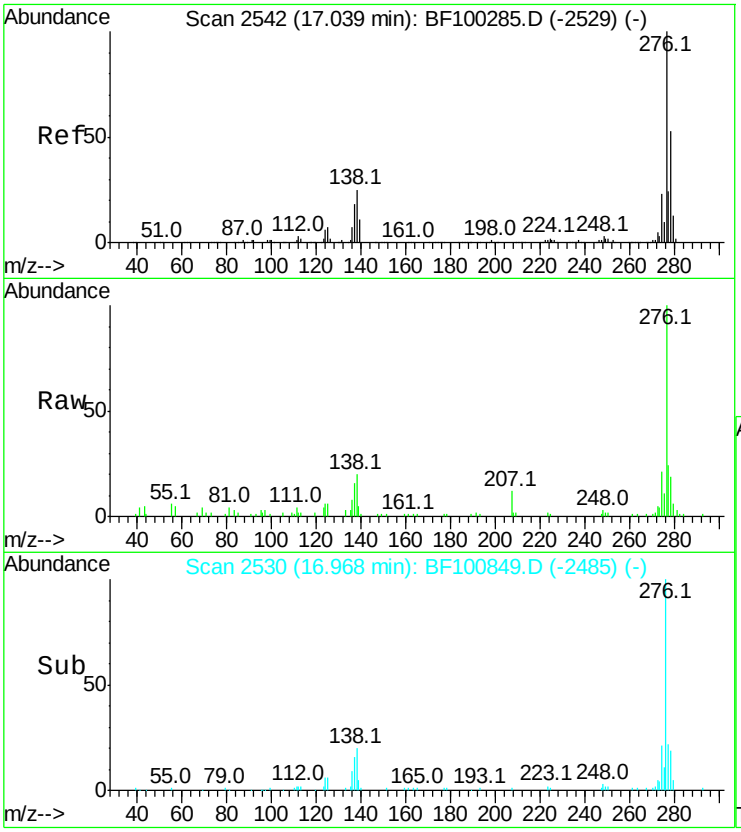


#82
Chrysene
Concen: 7.214 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:228 Resp: 63768

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	22.0	16.2	24.4

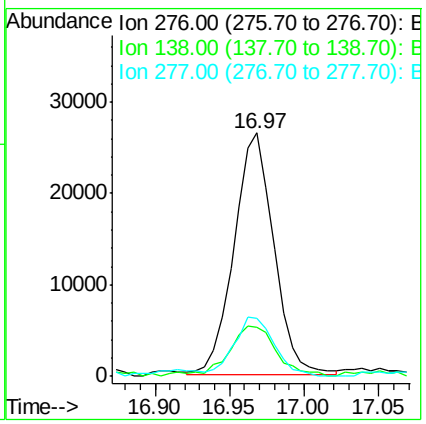




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.852 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:276 Resp: 48995

Ion	Ratio	Lower	Upper
276	100		
138	25.3	25.0	37.6
277	25.0	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

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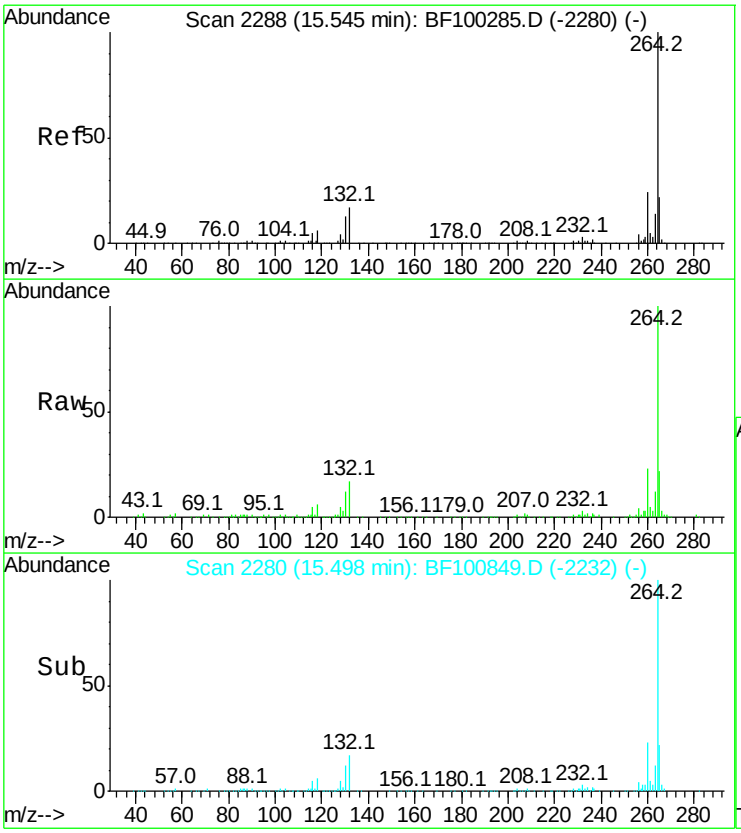
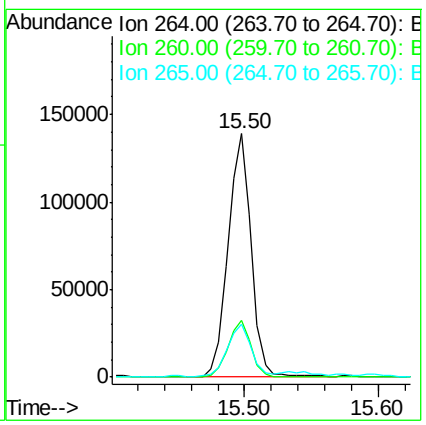
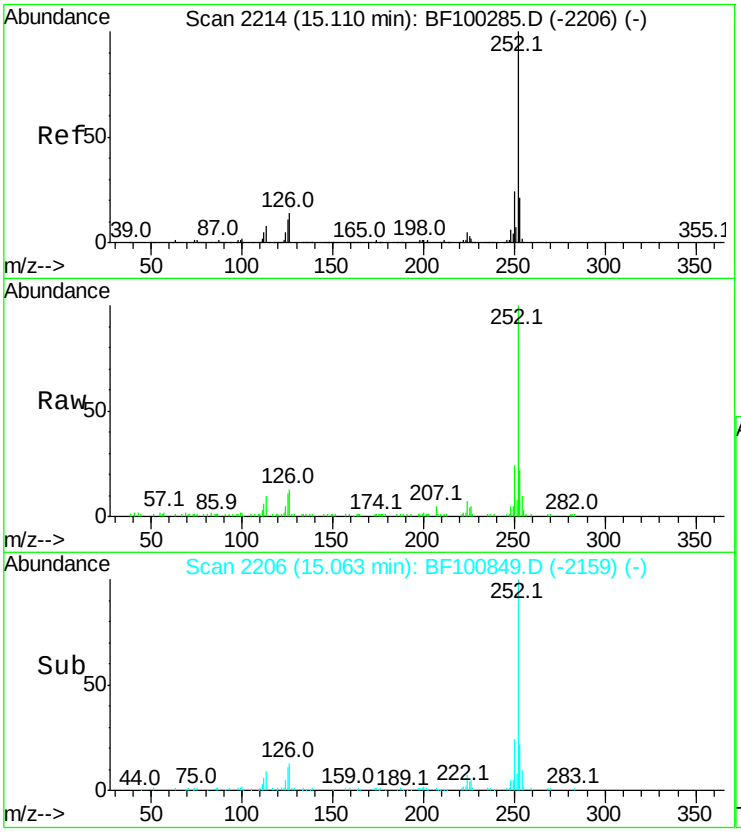


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:264 Resp: 169145

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	17.5	26.3

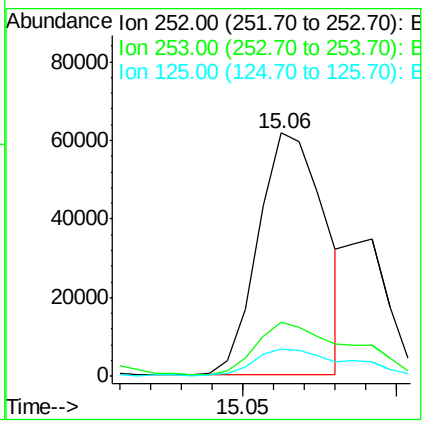




#87
Benzo(b)fluoranthene
Concen: 9.283 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

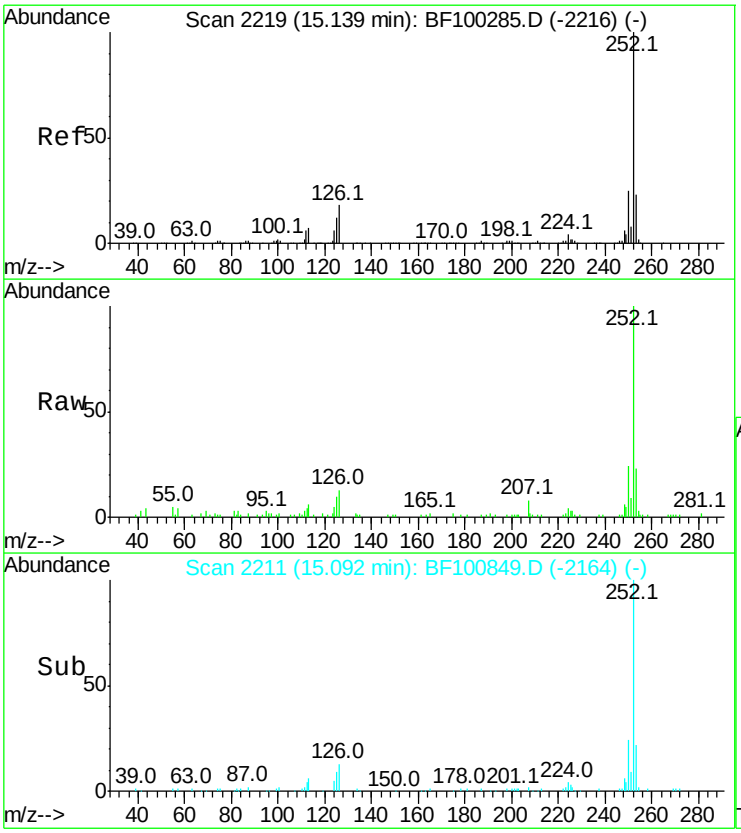
Tgt Ion:252 Resp: 93027

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	11.4	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

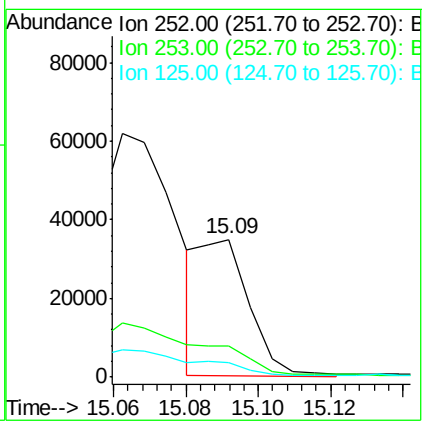
Manual Integrations APPROVED
Sohil
11/27/2017 3:20:48 PM

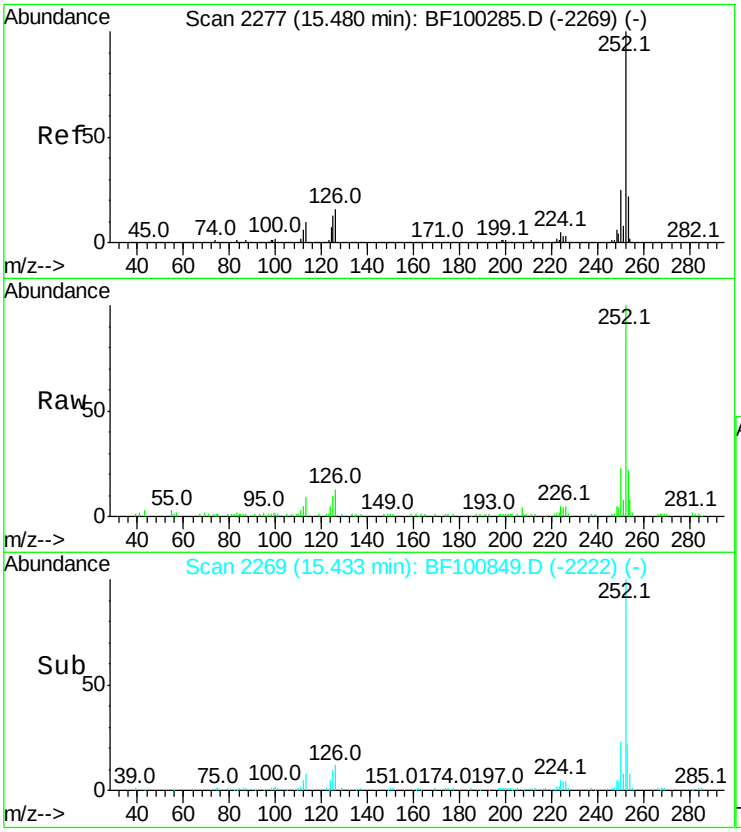


#88
Benzo(k)fluoranthene
Concen: 3.436 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:252 Resp: 32532

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	10.4	10.2	15.2

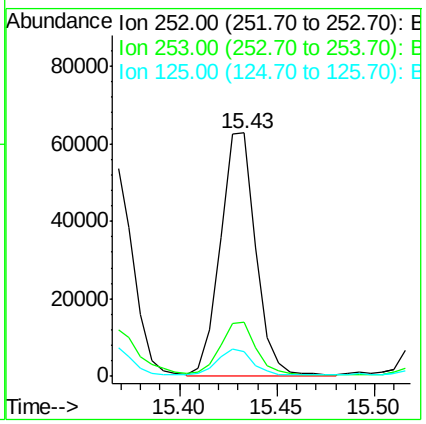




#89
Benzo(a)pyrene
Concen: 8.949 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:252 Resp: 79503

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	10.4	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Manual Integrations APPROVED
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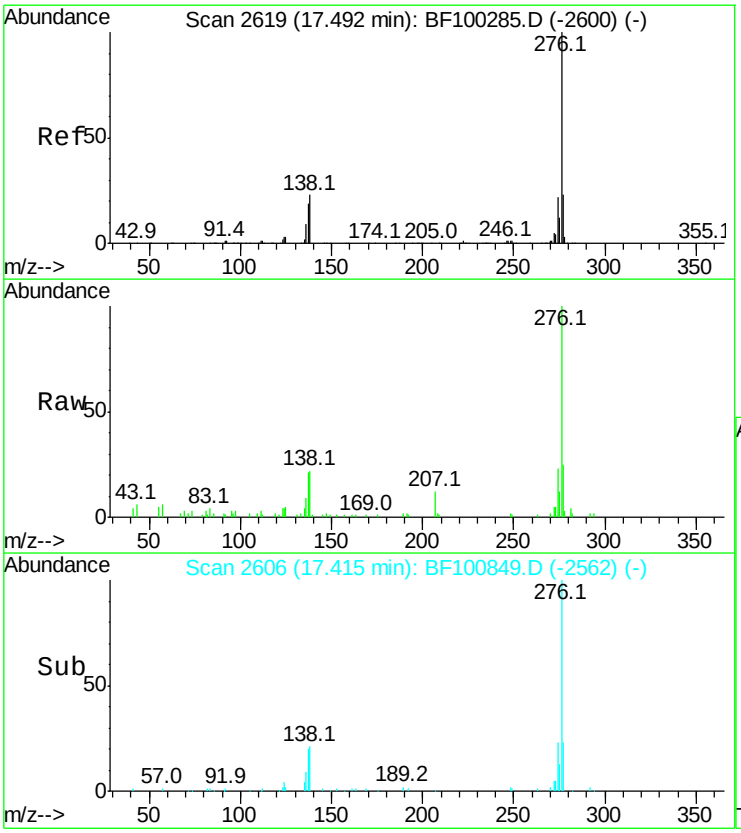

#91
Benzo(g,h,i)perylene
Concen: 7.534 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.04 min
Lab File: BF100849.D
Acq: 23 Nov 2017 3:01

Tgt Ion:276 Resp: 53585

Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	22.0	21.8	32.8