Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101034.D
Acq On : 30 Nov 2017 22:52
Operator : SJ/JU
Sample : I6618-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Manual Integrations APPROVED
Sohil
12/1/2017 11:13:12 AM

Quant Time: Dec 01 08:42:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 30 16:01:41 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	58082	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	221552	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	90810	20.00	ng		0.00
63) Phenanthrene-d10	11.38	188	141481	20.00	ng		0.00
75) Chrysene-d12	14.02	240	133175	20.00	ng		0.00
86) Perylene-d12	15.50	264	98686	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	170682	48.56	ng		0.00
7) Phenol-d6	6.48	99	204598	47.94	ng		0.00
23) Nitrobenzene-d5	7.42	82	122372	32.95	ng		0.00
41) 2,4,6-Tribromophenol	10.68	330	38543	35.33	ng		0.00
44) 2-Fluorobiphenyl	9.21	172	244363	36.82	ng		0.00
78) Terphenyl-d14	12.96	244	176958	29.06	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	11.40	178	31927	4.098	ng		98
74) Fluoranthene	12.59	202	71271	8.252	ng		95
77) Pyrene	12.82	202	66126	7.196	ng		97
80) Benzo(a)anthracene	14.02	228	34060	4.051	ng		95
82) Chrysene	14.05	228	33207	4.252	ng		98
85) Indeno(1,2,3-cd)pyrene	16.98	276	14458	2.082	ng	#	90
87) Benzo(b)fluoranthene	15.07	252	37293m	6.309	ng		
89) Benzo(a)pyrene	15.43	252	25351	4.717	ng	#	91
91) Benzo(g,h,i)perylene	17.43	276	14070	3.151	ng	#	82

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

Quantitation Report (LSC Reviewed)

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Data File : BF101034.D
Acq On : 30 Nov 2017 22:52
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Manual Integrations APPROVED
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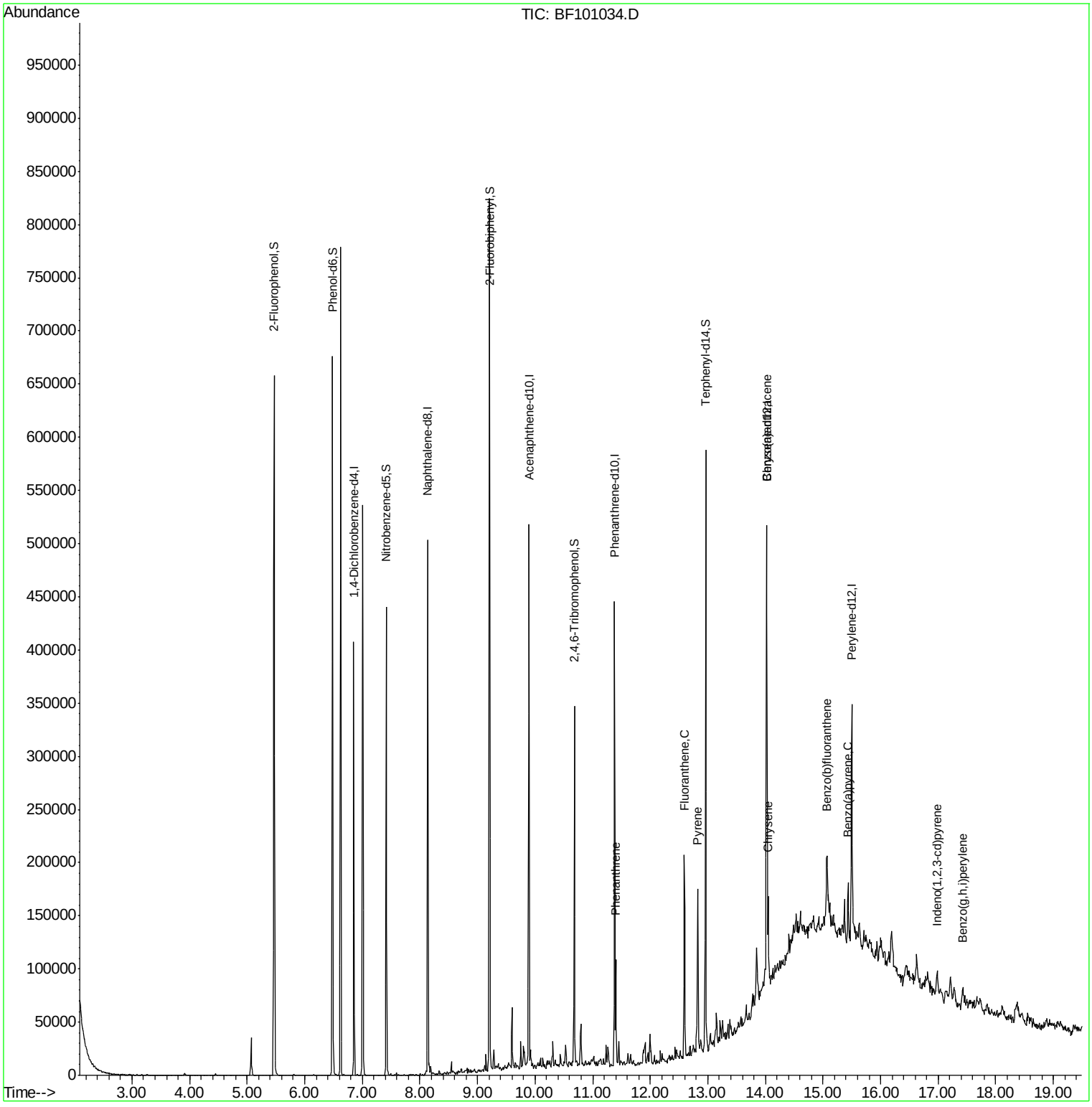
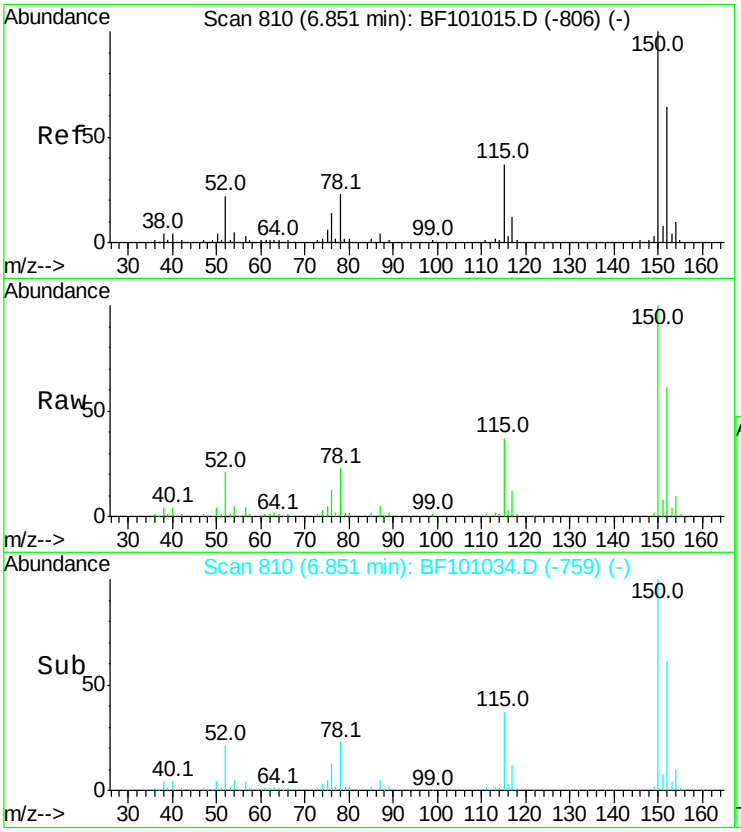
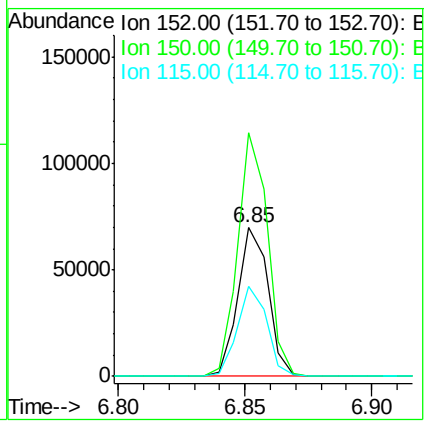




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:152 Resp: 58082

Ion	Ratio	Lower	Upper
152	100		
150	164.1	124.6	186.8
115	60.3	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Manual Integrations APPROVED
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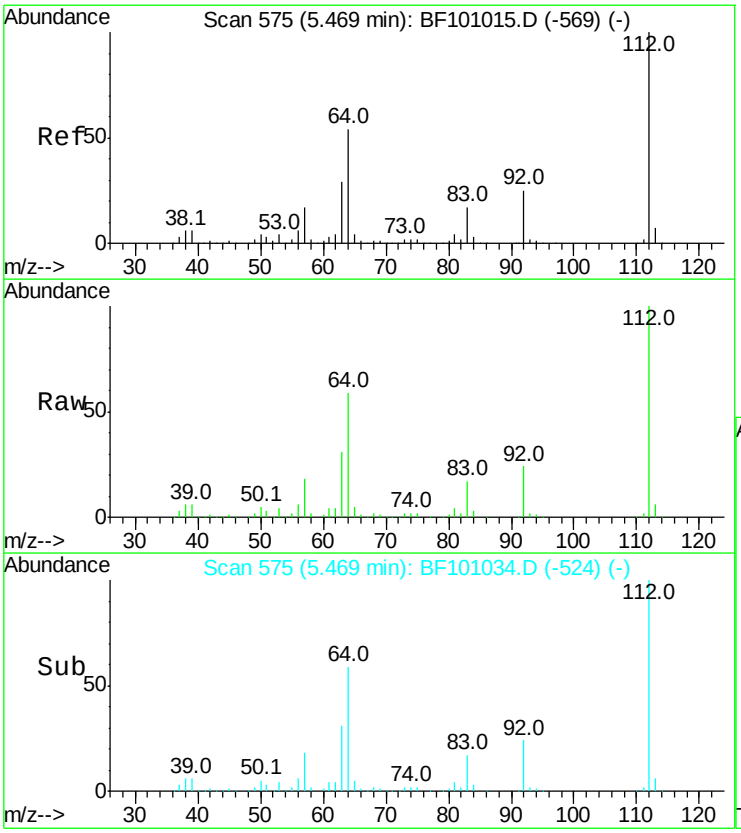
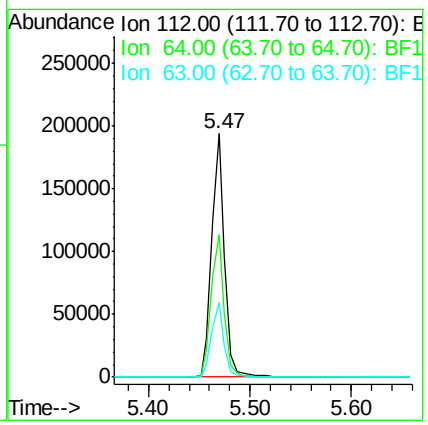
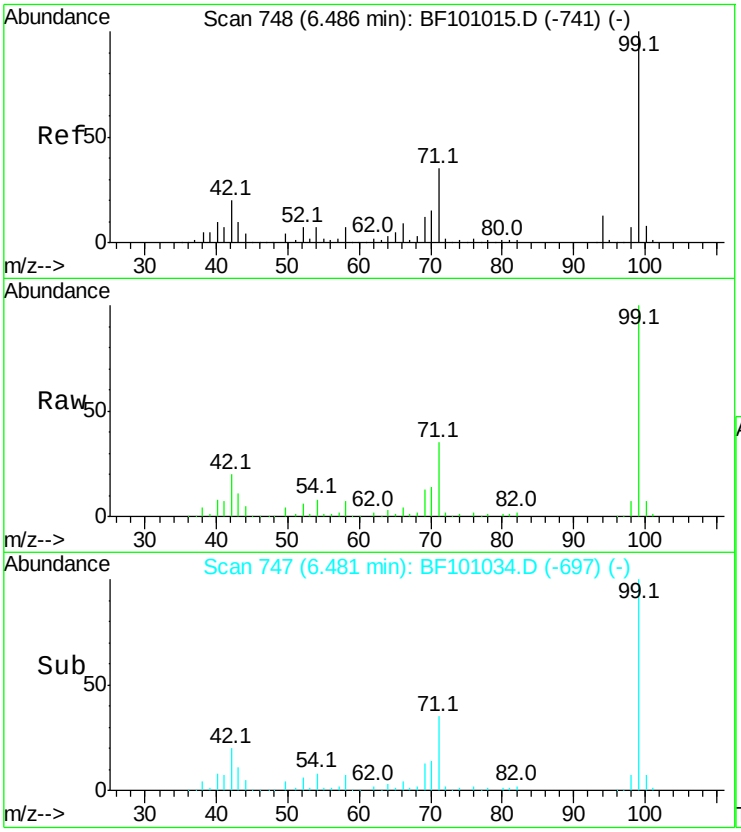


#5
2-Fluorophenol
Concen: 48.559 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:112 Resp: 170682

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.9	71.9
63	30.6	23.7	35.5

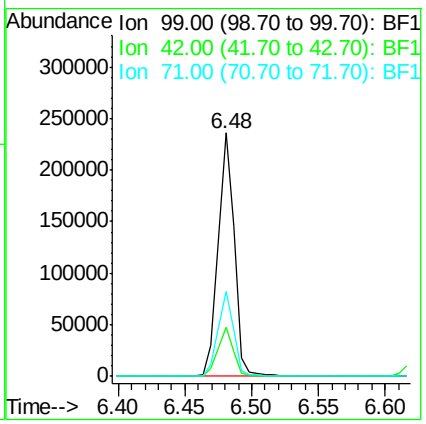




#7
Phenol-d6
Concen: 47.944 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion: 99 Resp: 204598

Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.5	21.7
71	35.0	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Manual Integrations APPROVED
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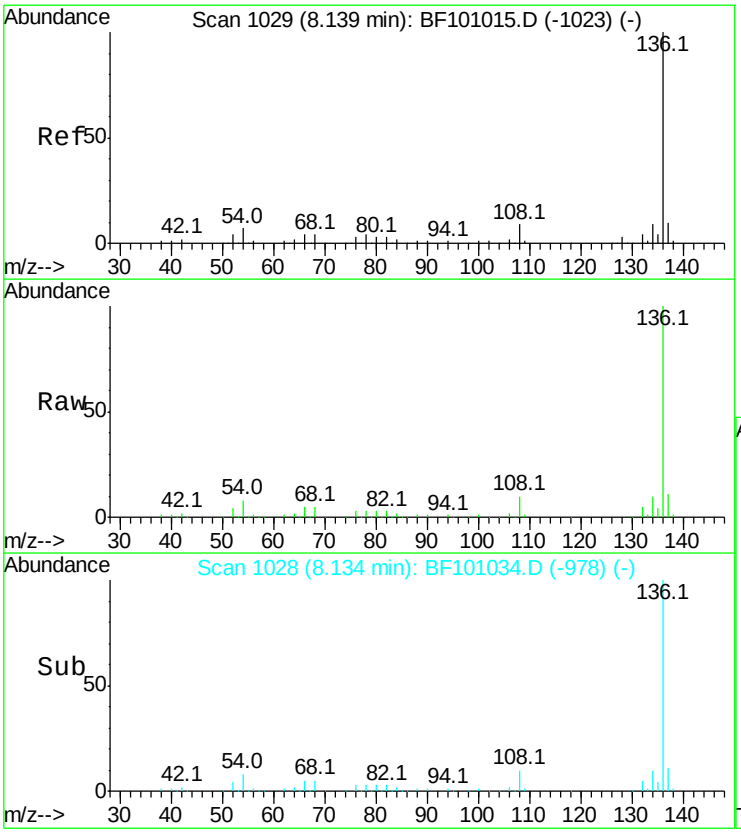
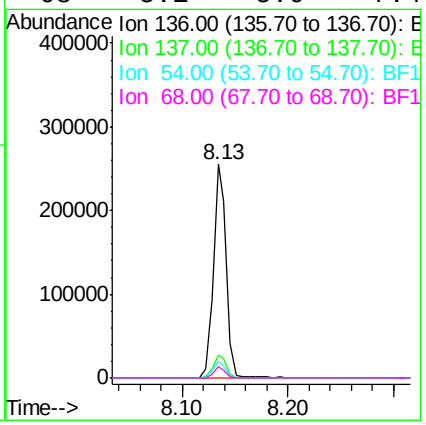
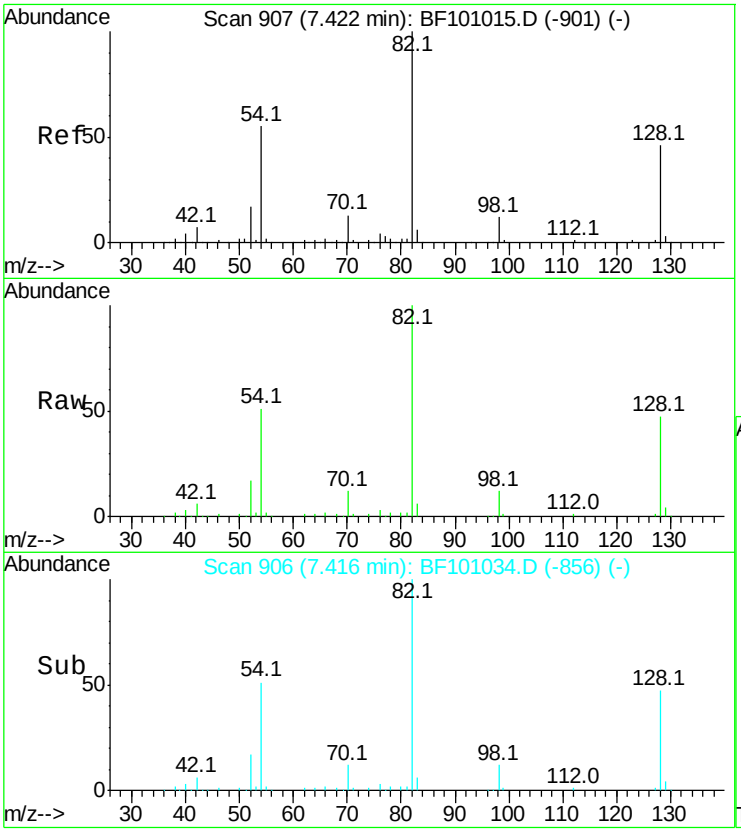


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:136 Resp: 221552

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.7	6.6	9.8
68	5.1	5.0	7.4

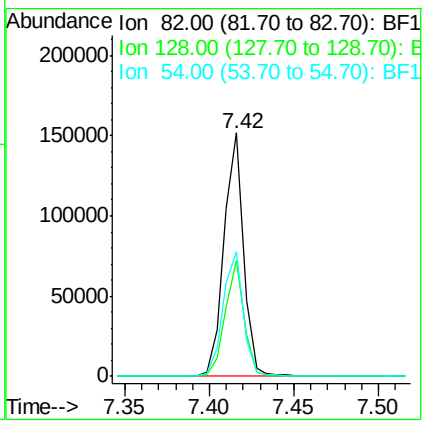




#23
Nitrobenzene-d5
Concen: 32.949 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion: 82 Resp: 122372

Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	51.2	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Manual Integrations APPROVED
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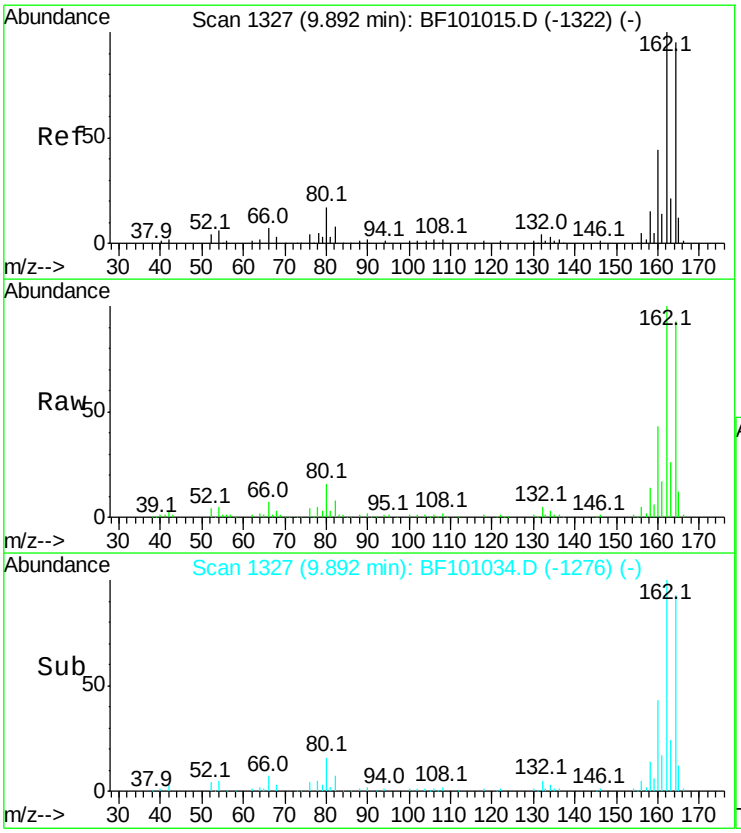
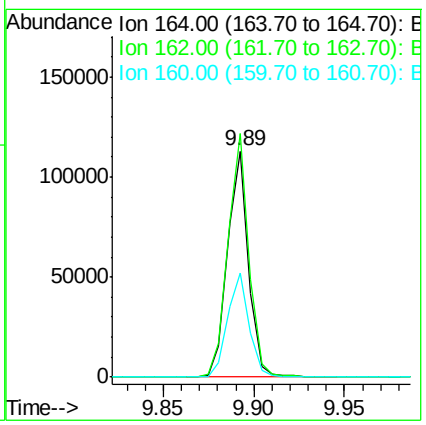
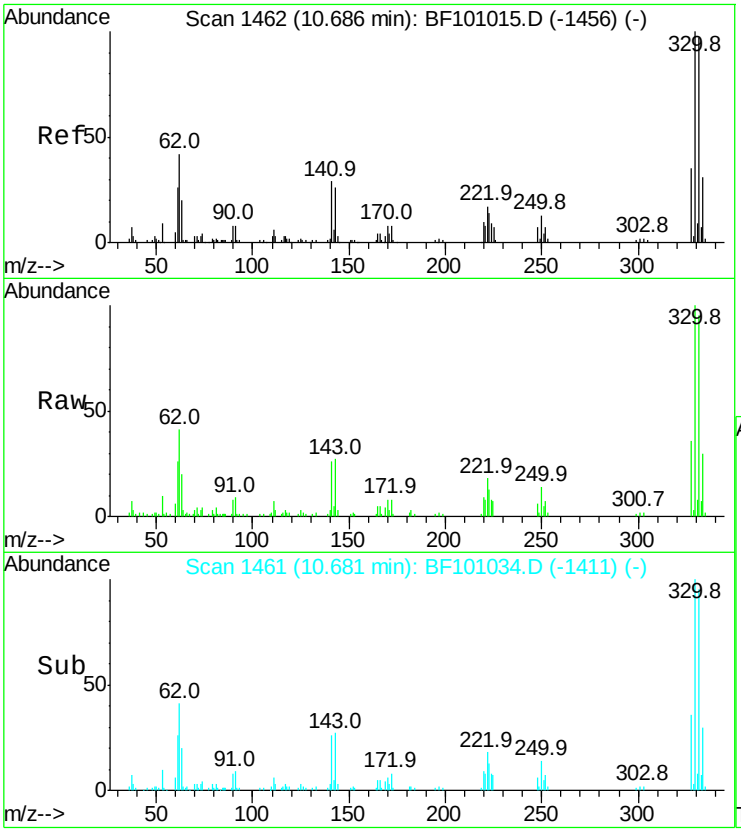


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:164 Resp: 90810

Ion	Ratio	Lower	Upper
164	100		
162	107.7	86.1	129.1
160	46.1	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 35.332 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:330 Resp: 38543

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	29.2	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

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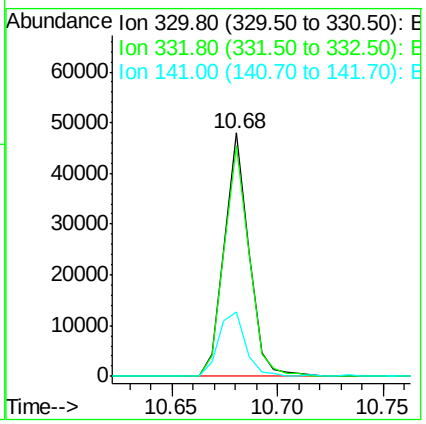
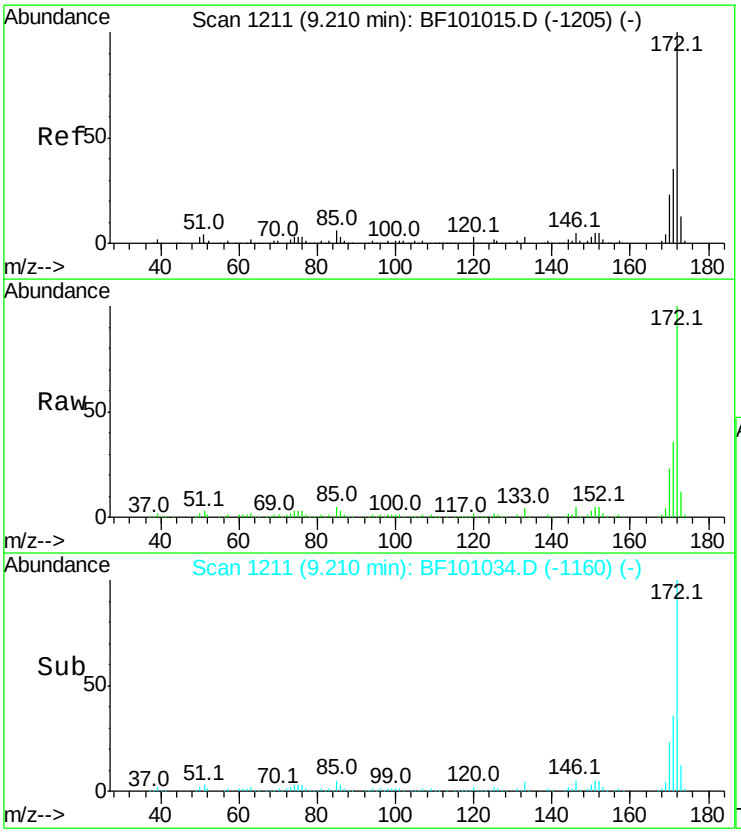
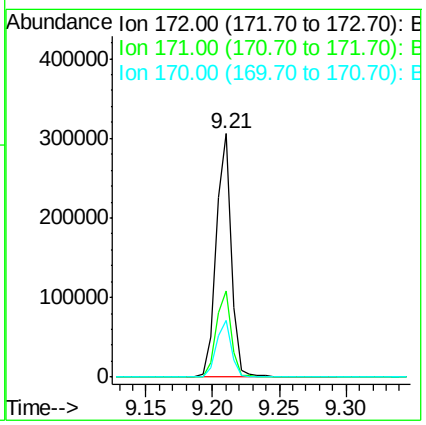


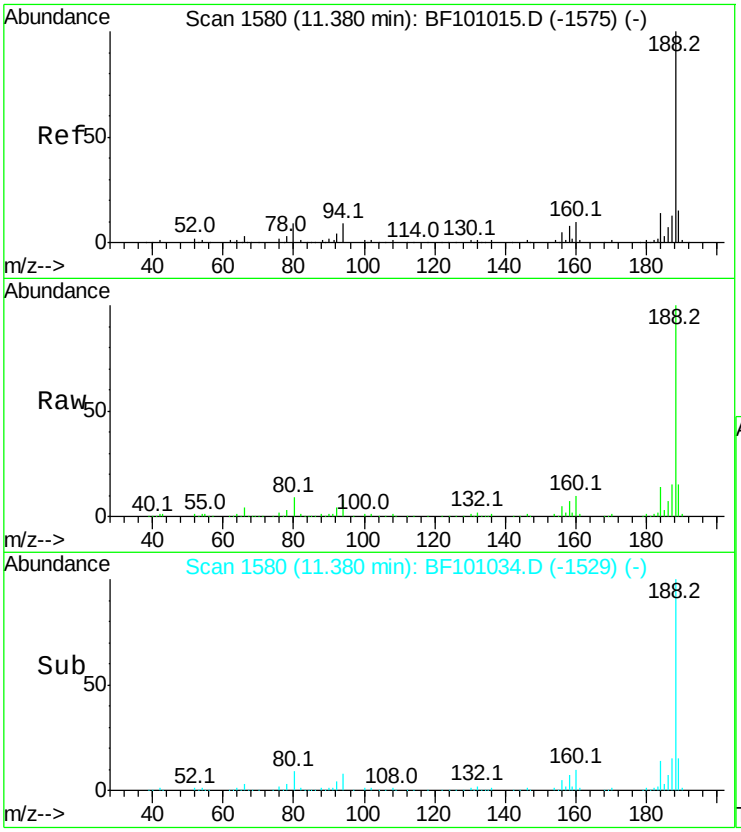


#44
2-Fluorobiphenyl
Concen: 36.817 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:172 Resp: 244363

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.2	19.6	29.4





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:188 Resp: 141481

Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.5	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Manual Integrations APPROVED
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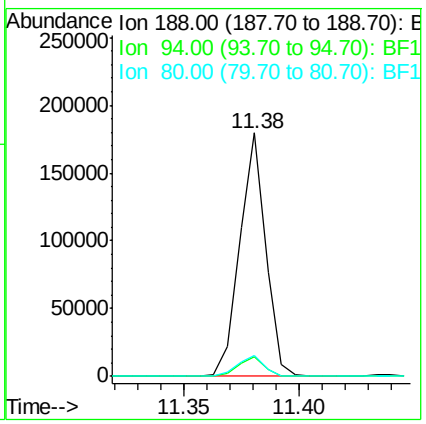
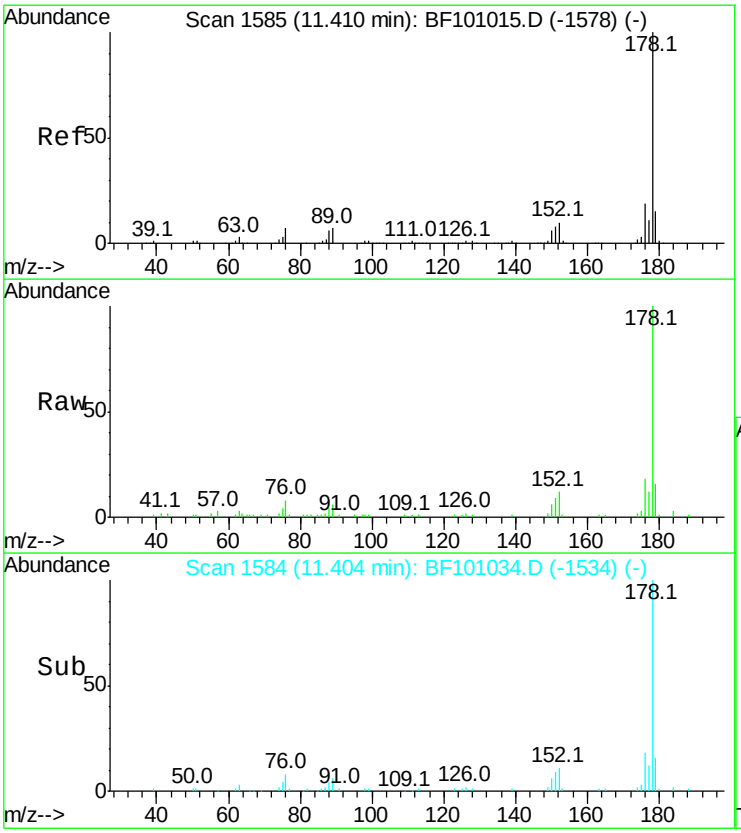
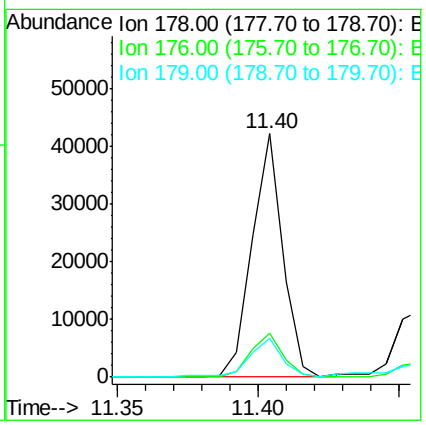


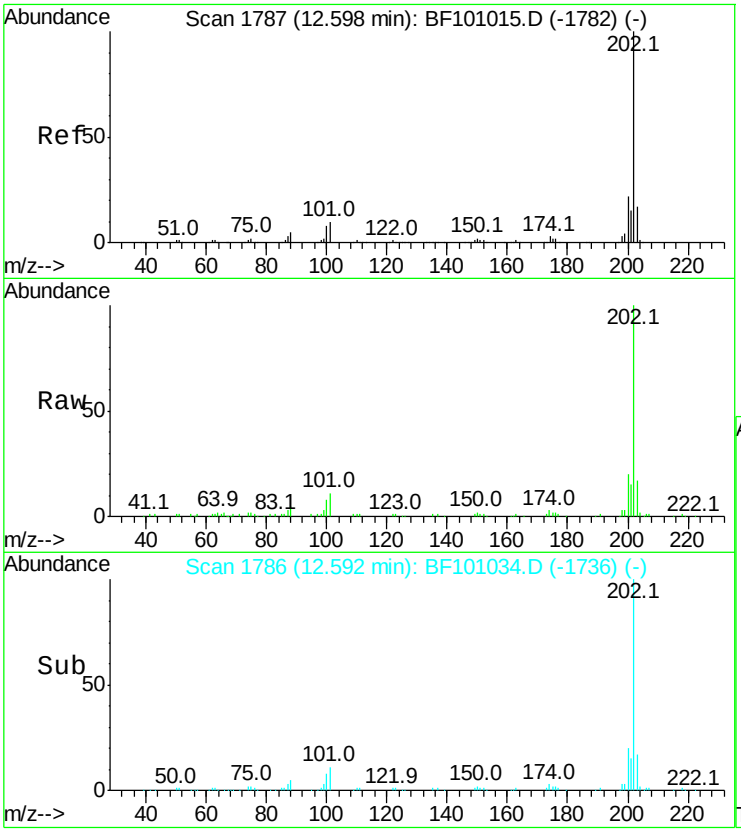


#70
Phenanthrene
Concen: 4.098 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:178 Resp: 31927

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.8	13.0	19.6

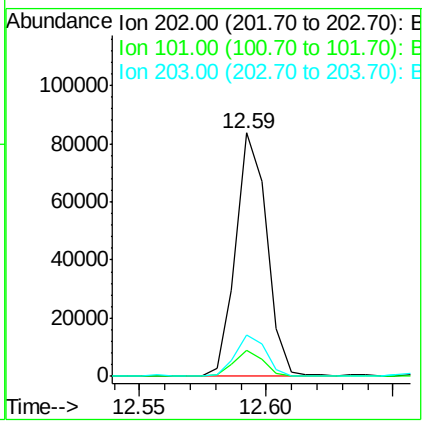




#74
Fluoranthene
Concen: 8.252 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:202 Resp: 71271

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	16.8	0.0	38.1



Instrument :
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ClientSampleId :
ENV-106-6(0-5)

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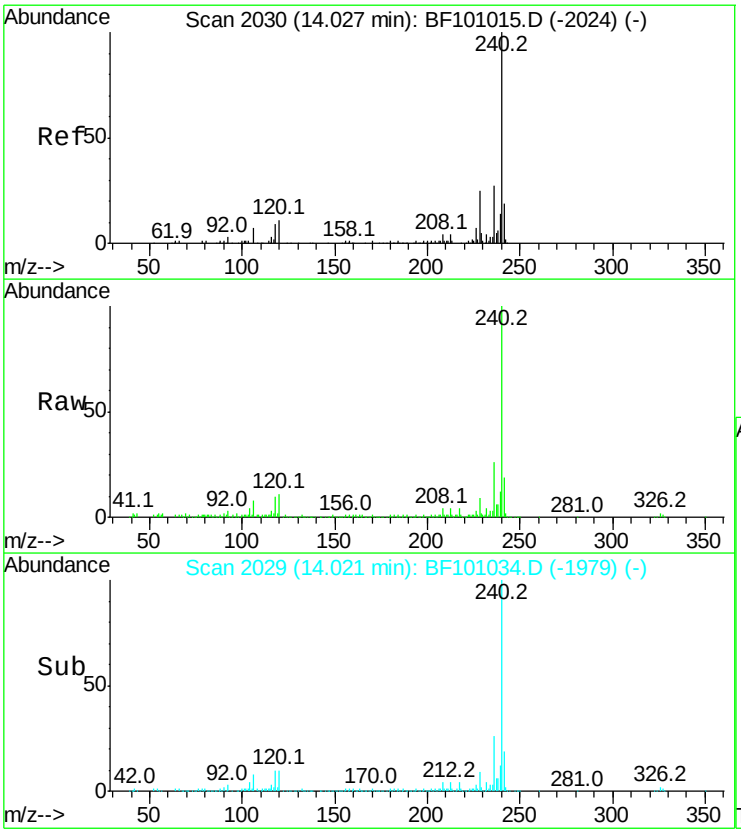
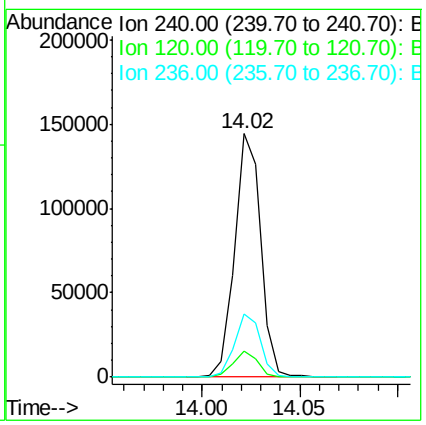
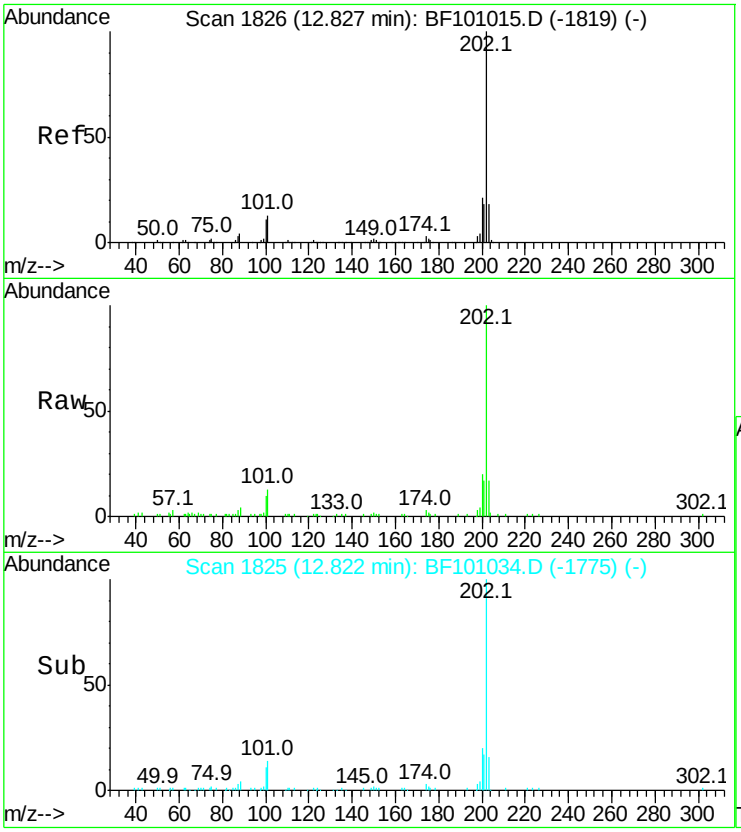


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:240 Resp: 133175

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.5	14.3
236	25.8	20.7	31.1

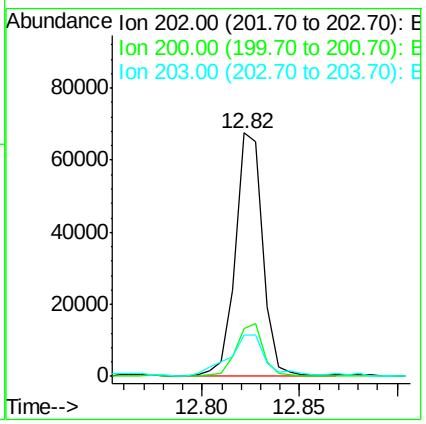




#77
Pyrene
Concen: 7.196 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:202 Resp: 66126

Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.4	26.2
203	16.9	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Manual Integrations APPROVED
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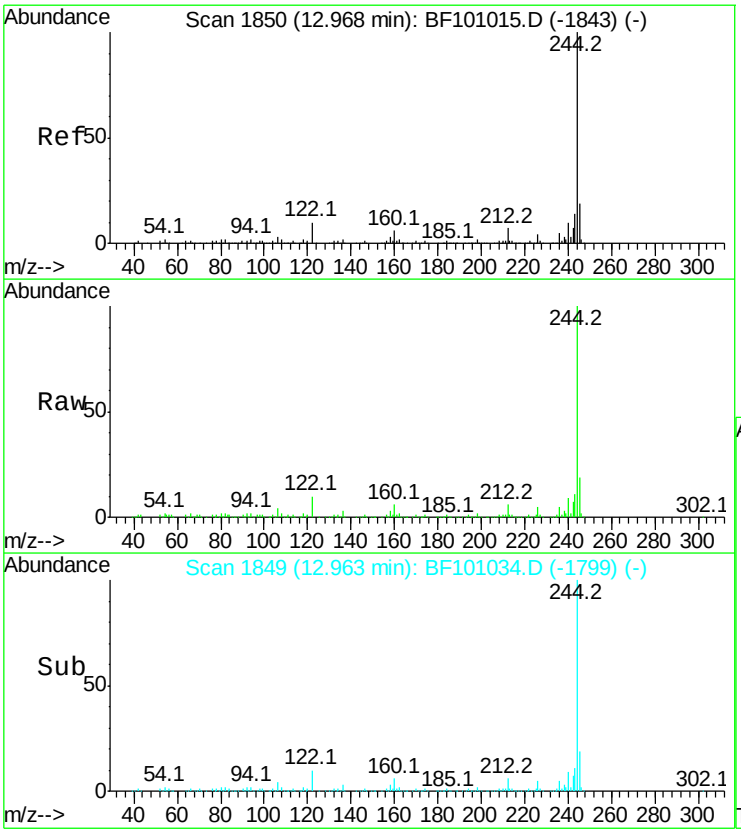
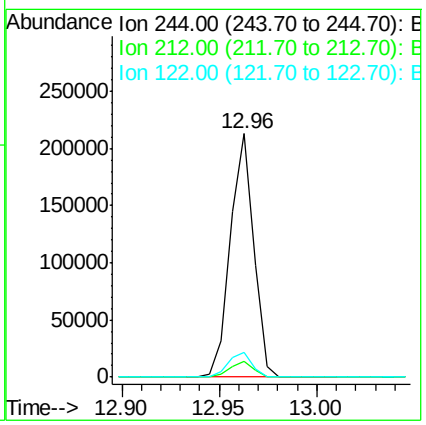
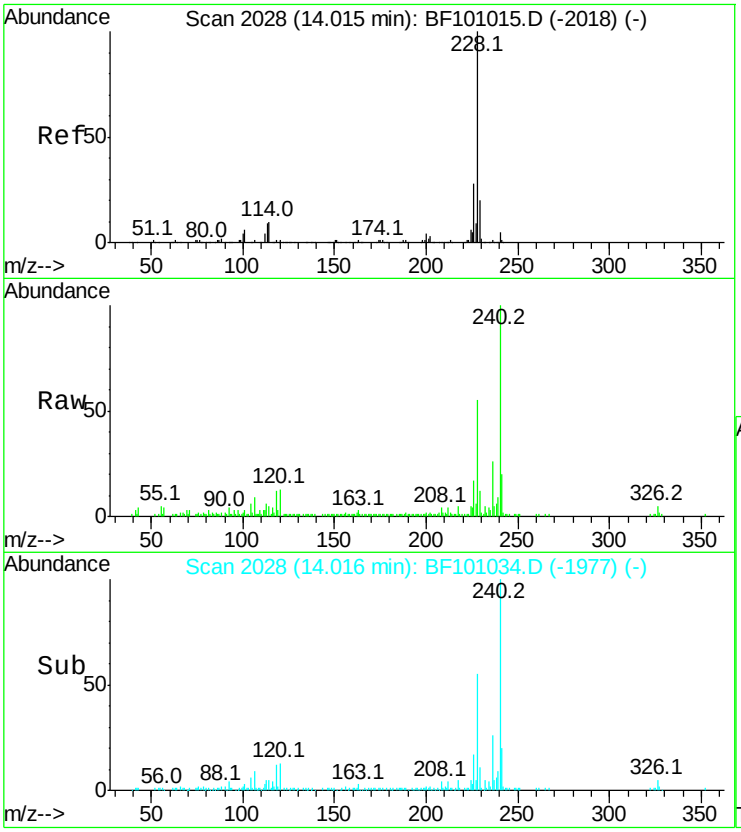


#78
Terphenyl-d14
Concen: 29.064 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:244 Resp: 176958

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.1	11.0	16.4#

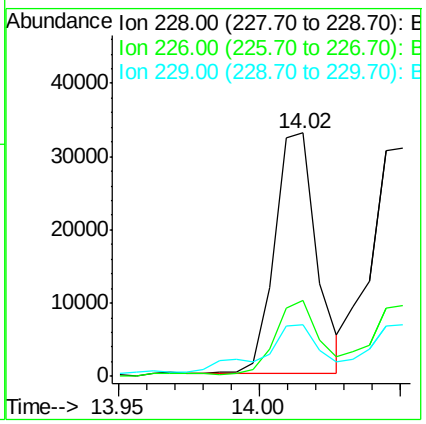




#80
Benzo(a)anthracene
Concen: 4.051 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:228 Resp: 34060

Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	21.3	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Manual Integrations APPROVED
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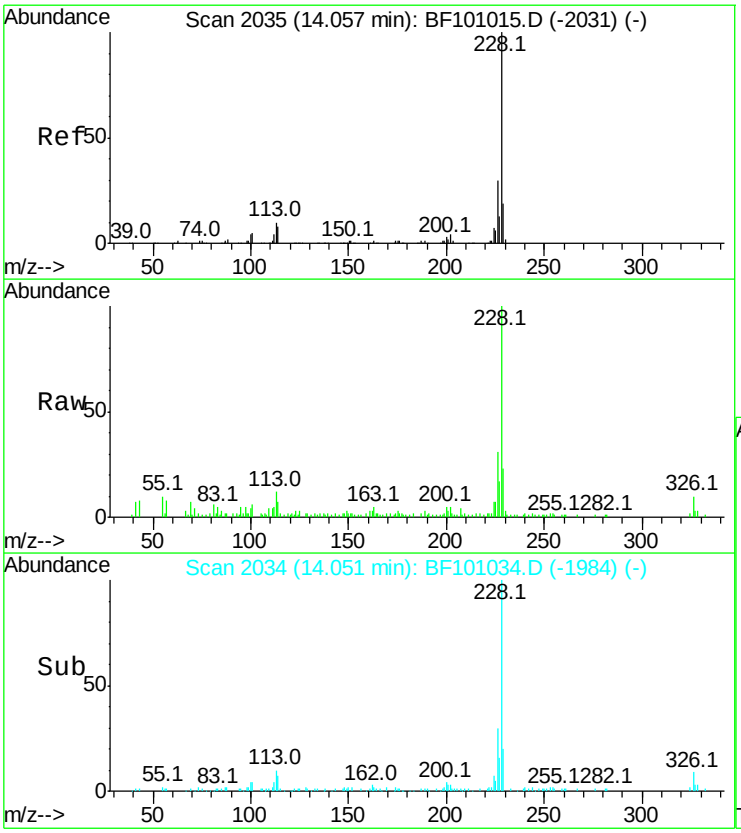
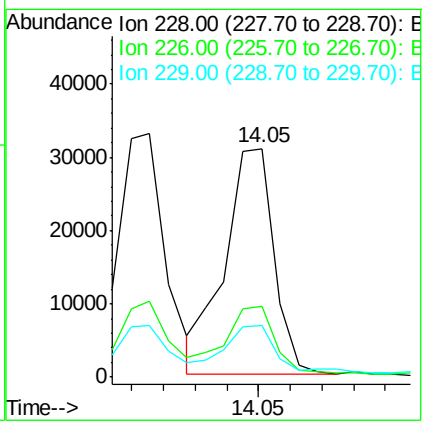
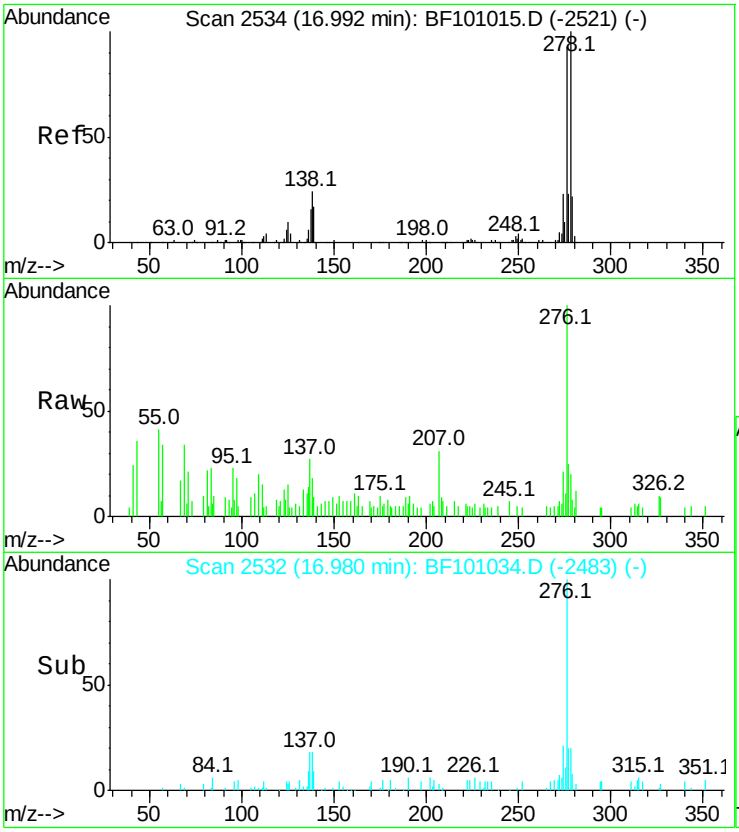


#82
Chrysene
Concen: 4.252 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:228 Resp: 33207

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.6	16.2	24.4





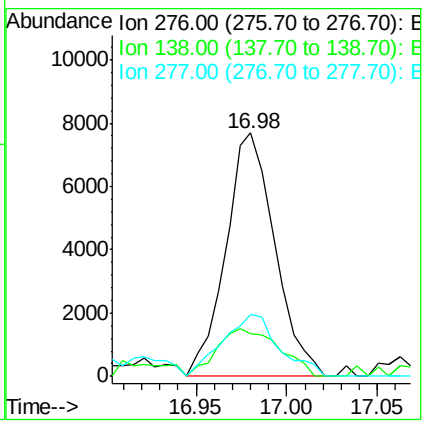
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.082 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

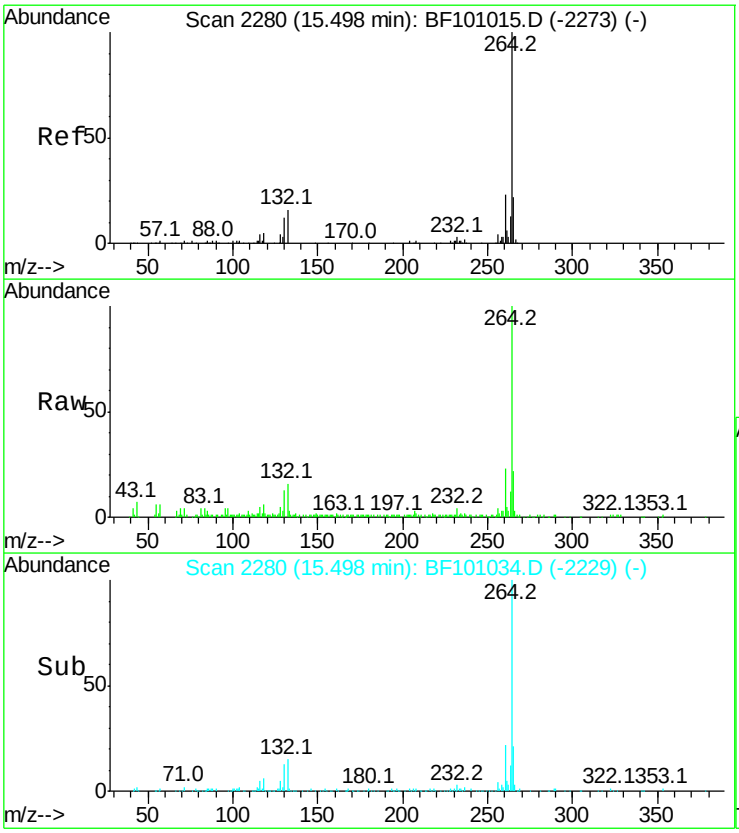
Tgt Ion:276 Resp: 14458

Ion	Ratio	Lower	Upper
276	100		
138	24.7	25.0	37.6#
277	29.3	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Manual Integrations APPROVED
Sohil
12/1/2017 11:13:12 AM

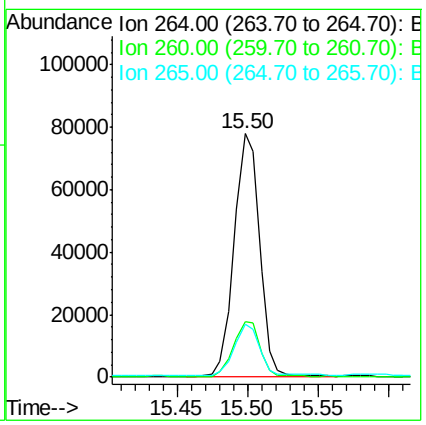


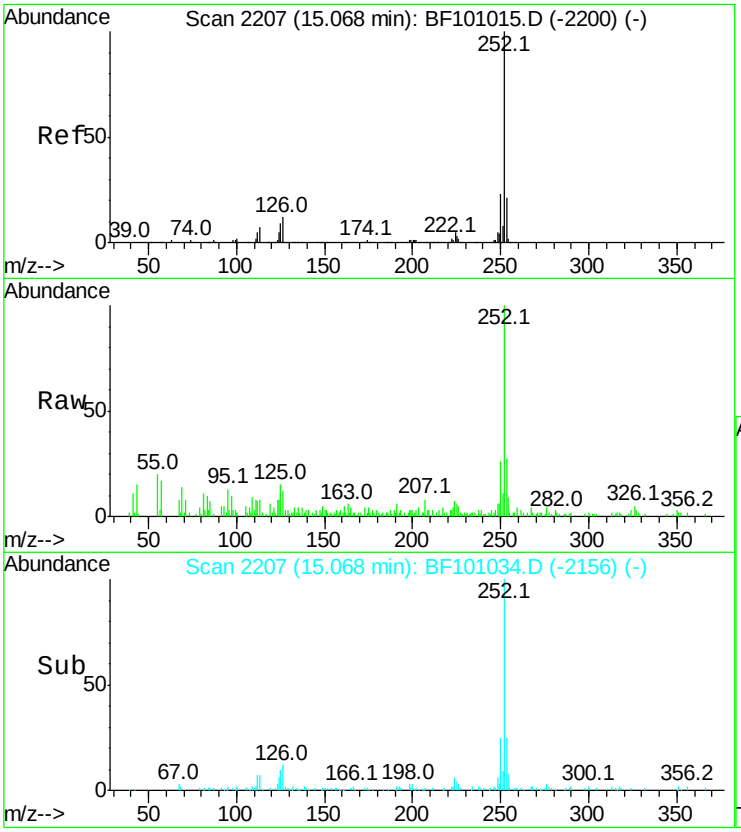


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:264 Resp: 98686

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	22.0	17.5	26.3





#87
Benzo(b)fluoranthene
Concen: 6.309 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:252 Resp: 37293

Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.0	25.6#
125	14.8	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

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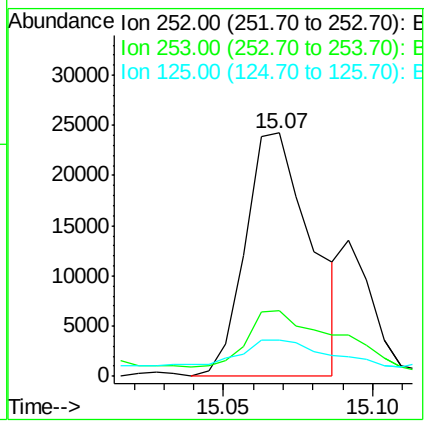
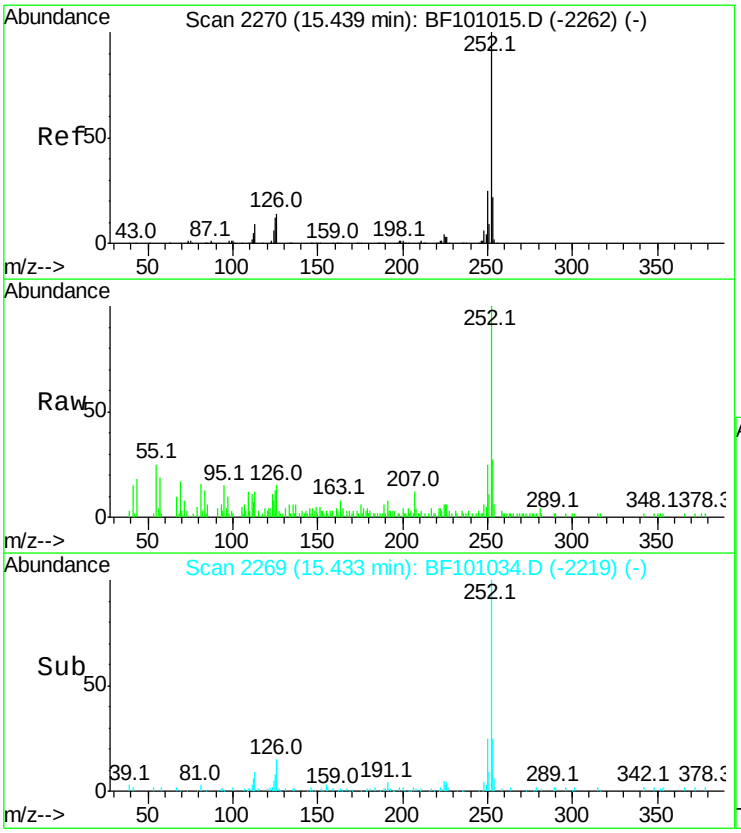
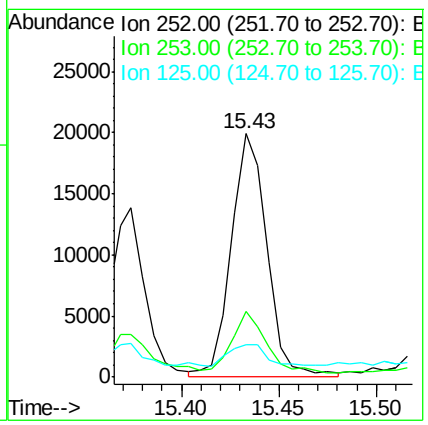


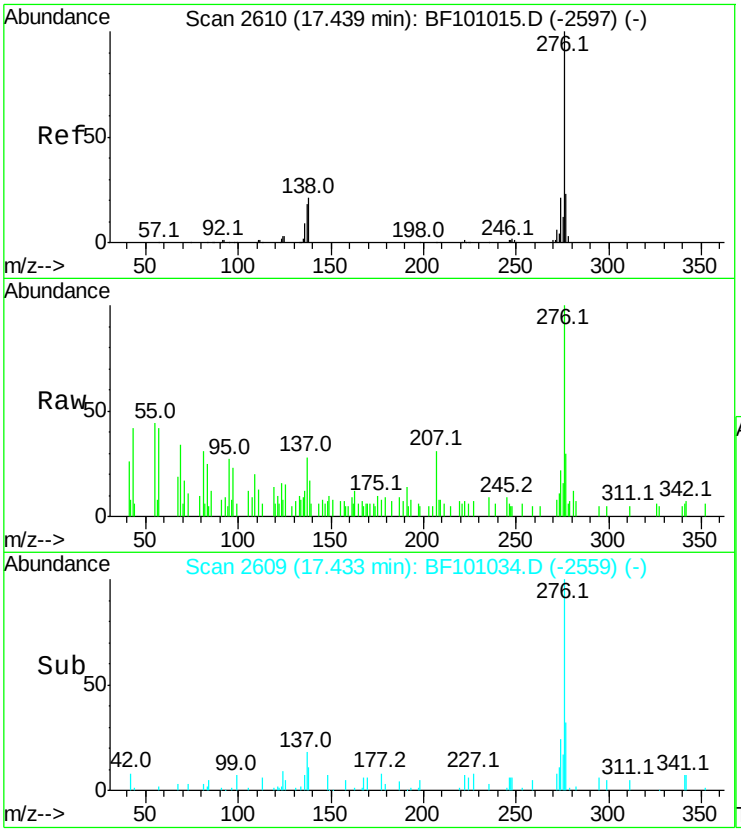


#89
Benzo(a)pyrene
Concen: 4.717 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:252 Resp: 25351

Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.1	25.7#
125	13.3	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 3.151 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:276 Resp: 14070

Ion	Ratio	Lower	Upper
276	100		
277	30.1	17.9	26.9#
138	16.7	21.8	32.8#

Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Manual Integrations APPROVED
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12/1/2017 11:13:12 AM