Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
Data File : BF101214.D
Acq On : 7 Dec 2017 19:19
Operator : SJ/JU
Sample : I6705-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B12(0-10)COMP

Manual Integrations APPROVED
Sohil
12/8/2017 11:12:22 AM

Quant Time: Dec 08 00:01:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	46000	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	164137	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	67444	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	116033	20.00	ng	0.00
75) Chrysene-d12	14.02	240	94973	20.00	ng	0.00
86) Perylene-d12	15.50	264	75368	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	272750	97.98	ng	0.00
7) Phenol-d6	6.48	99	316220	93.56	ng	0.00
23) Nitrobenzene-d5	7.41	82	177622	64.55	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	63924	78.90	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	265804	53.92	ng	-0.01
78) Terphenyl-d14	12.96	244	230968	53.19	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.49	94	8906	2.370	ng	# 53
49) Dimethylphthalate	9.59	163	28305	5.204	ng	100
70) Phenanthrene	11.40	178	19412	3.038	ng	99
74) Fluoranthene	12.59	202	39280	5.546	ng	93
77) Pyrene	12.82	202	37080	5.658	ng	98
80) Benzo(a)anthracene	14.01	228	20205	3.369	ng	97
82) Chrysene	14.04	228	17216	3.091	ng	95
87) Benzo(b)fluoranthene	15.07	252	18792m	4.163	ng	
89) Benzo(a)pyrene	15.44	252	13906	3.388	ng	# 92
91) Benzo(g,h,i)perylene	17.44	276	8344	2.447	ng	# 79

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

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Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

Manual Integrations APPROVED
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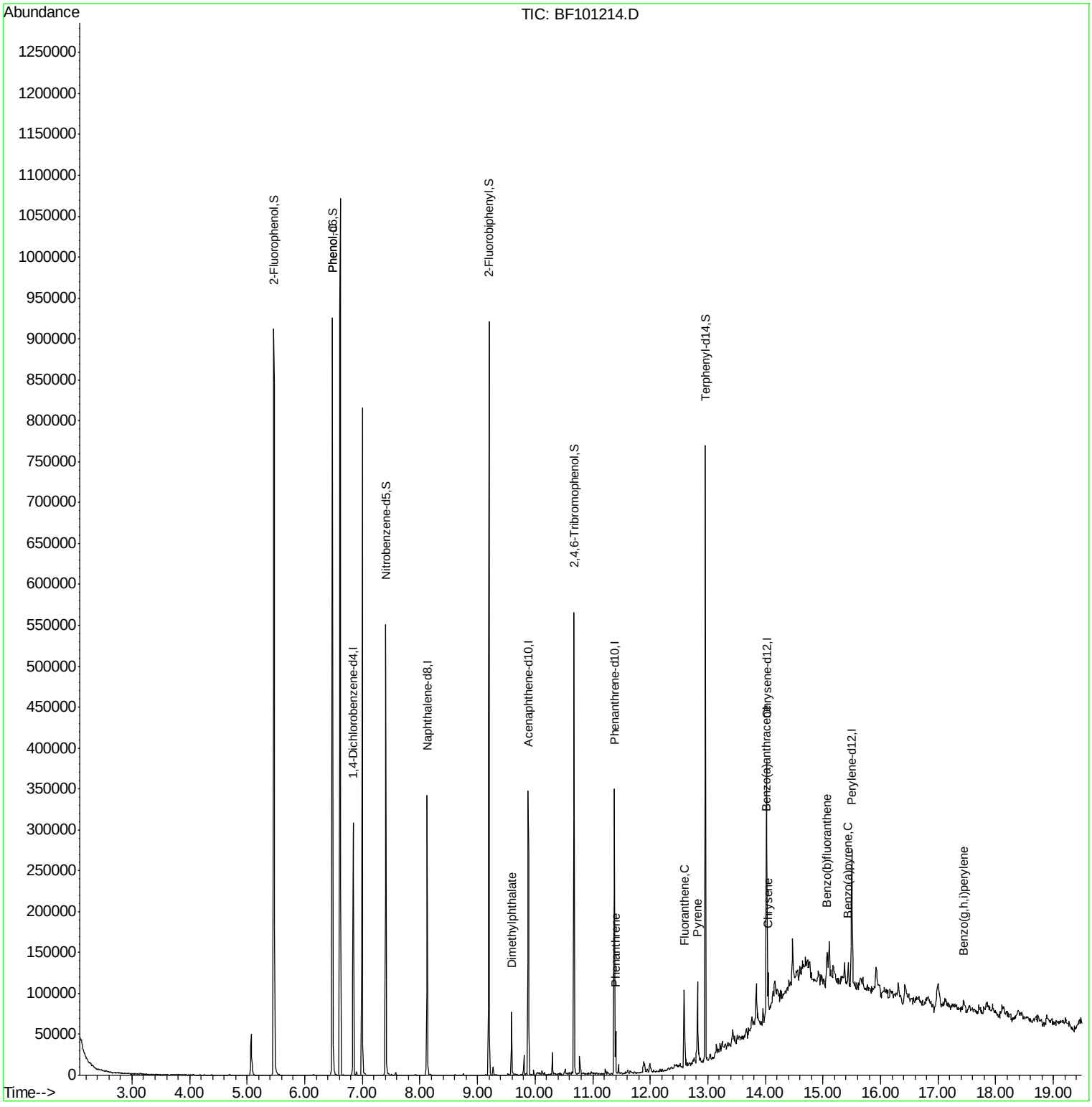
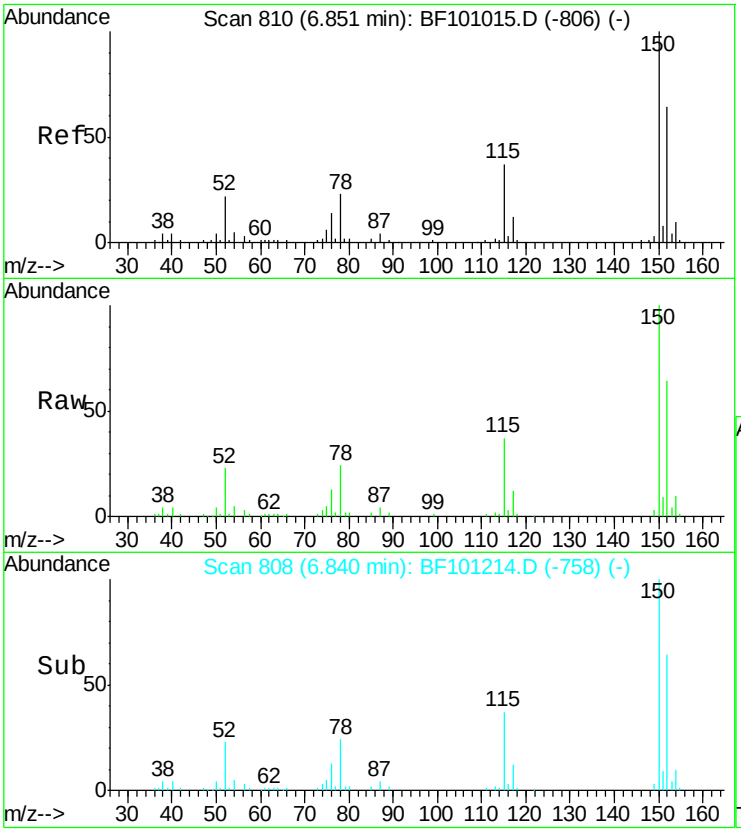
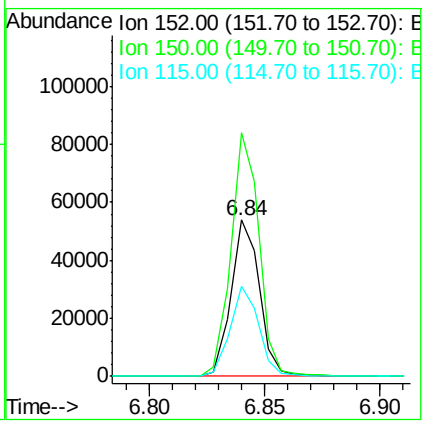




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:152 Resp: 46000

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	57.9	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

Manual Integrations APPROVED
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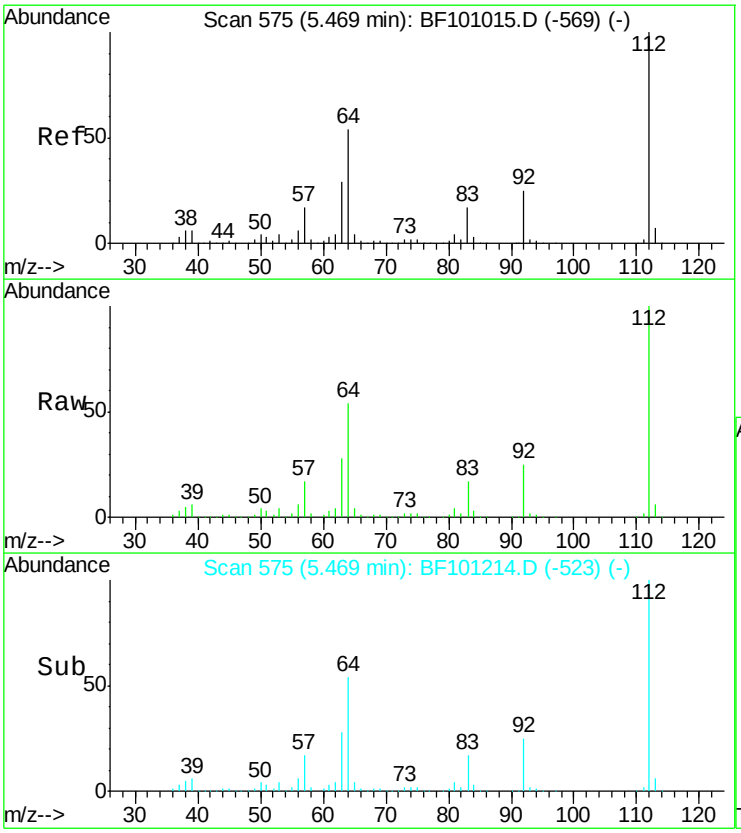
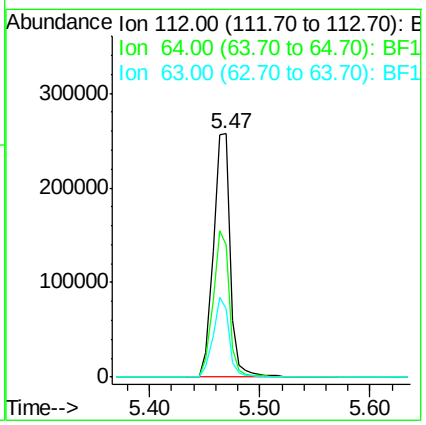
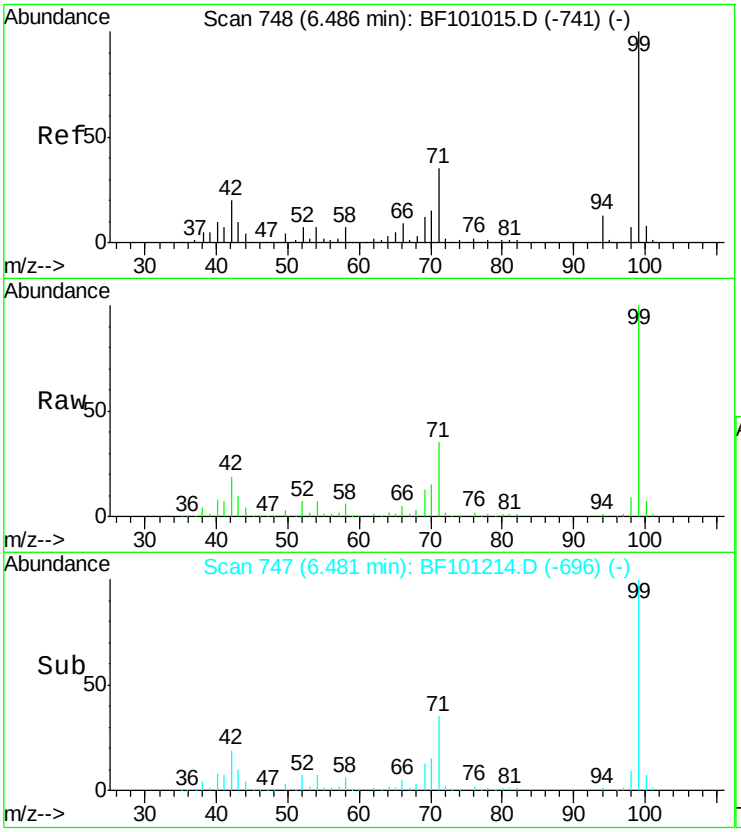


#5
2-Fluorophenol
Concen: 97.979 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:112 Resp: 272750

Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	27.8	23.7	35.5

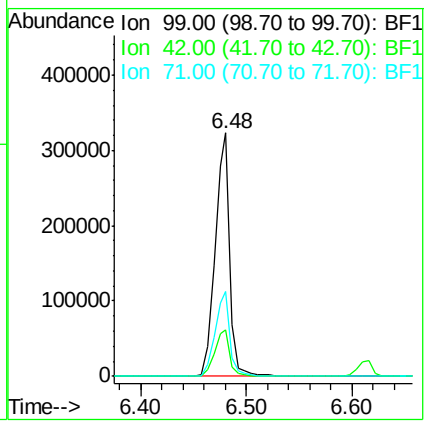




#7
Phenol-d6
Concen: 93.563 ng
RT: 6.48 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion: 99 Resp: 316220

Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.5	21.7
71	34.6	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

Manual Integrations APPROVED
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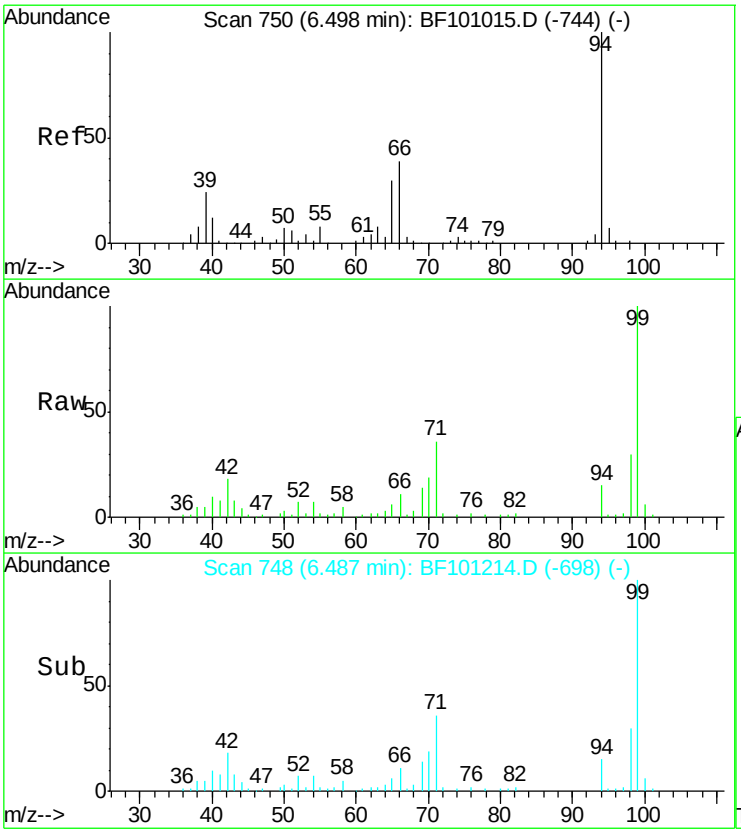
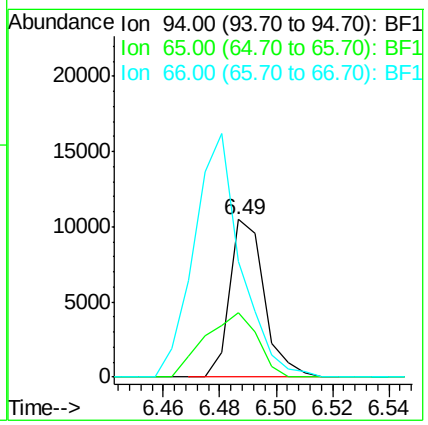
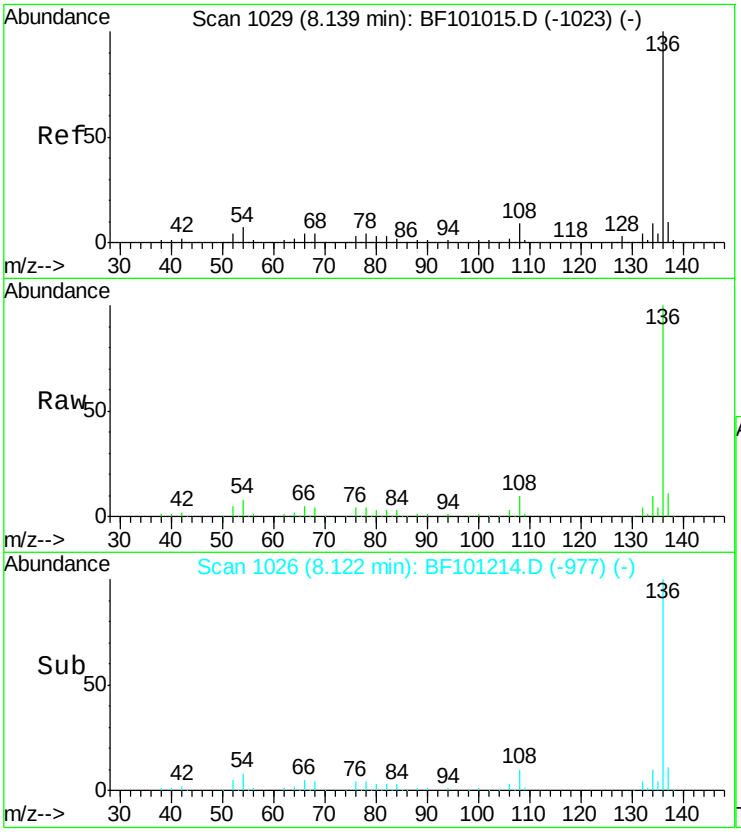


#10
Phenol
Concen: 2.370 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion: 94 Resp: 8906

Ion	Ratio	Lower	Upper
94	100		
65	40.6	7.9	47.9
66	73.8	16.2	56.2#

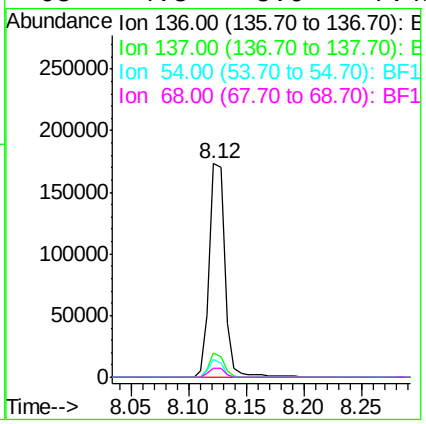




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:136 Resp: 164137

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.3	6.6	9.8
68	4.3	5.0	7.4#



Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

Manual Integrations APPROVED
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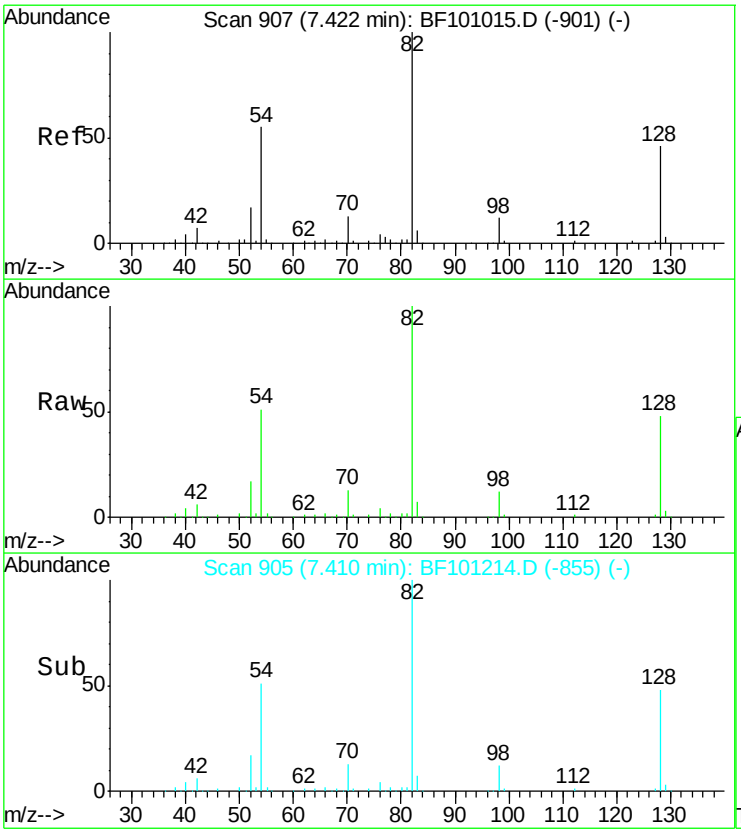
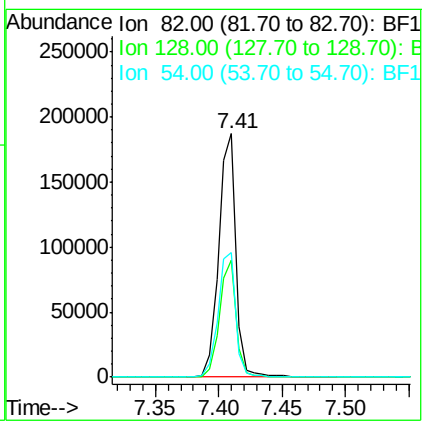
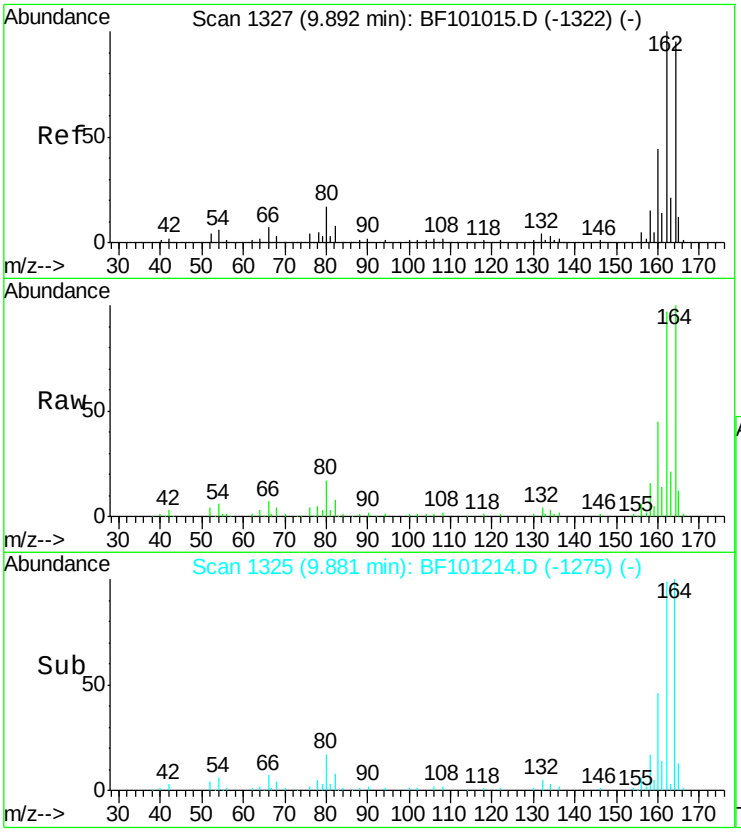


#23
Nitrobenzene-d5
Concen: 64.554 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion: 82 Resp: 177622

Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	51.2	41.4	62.2

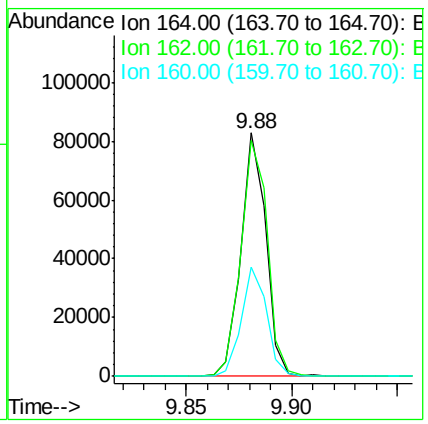




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:164 Resp: 67444

Ion	Ratio	Lower	Upper
164	100		
162	96.8	86.1	129.1
160	45.0	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

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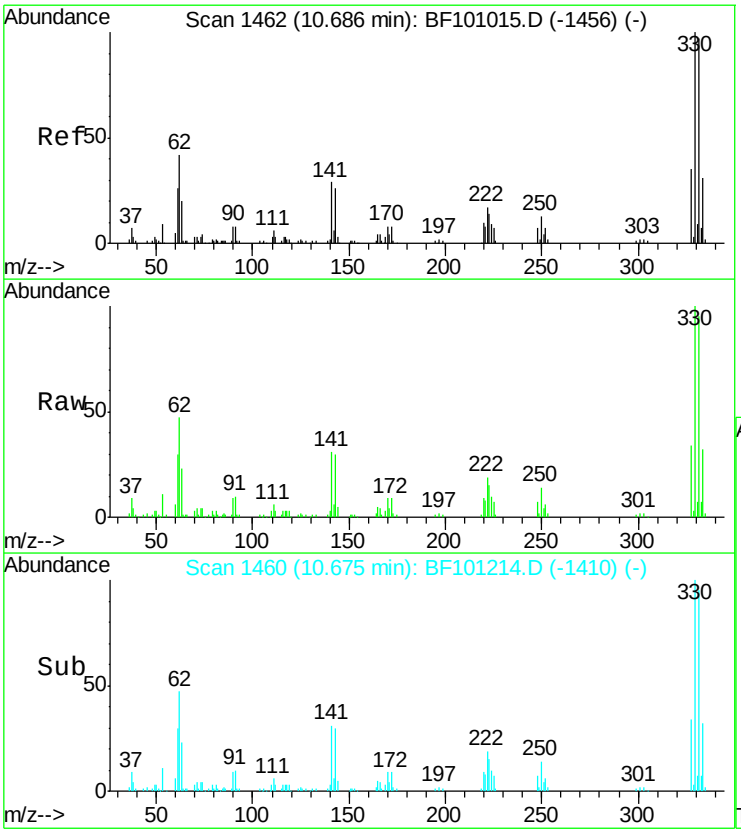
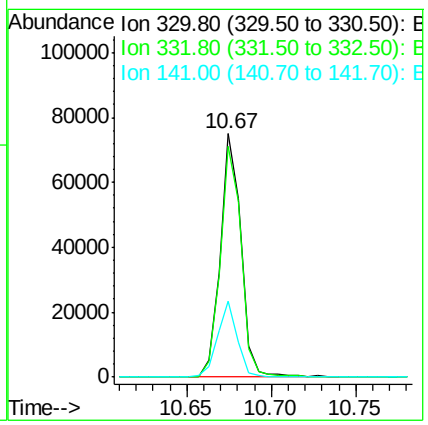
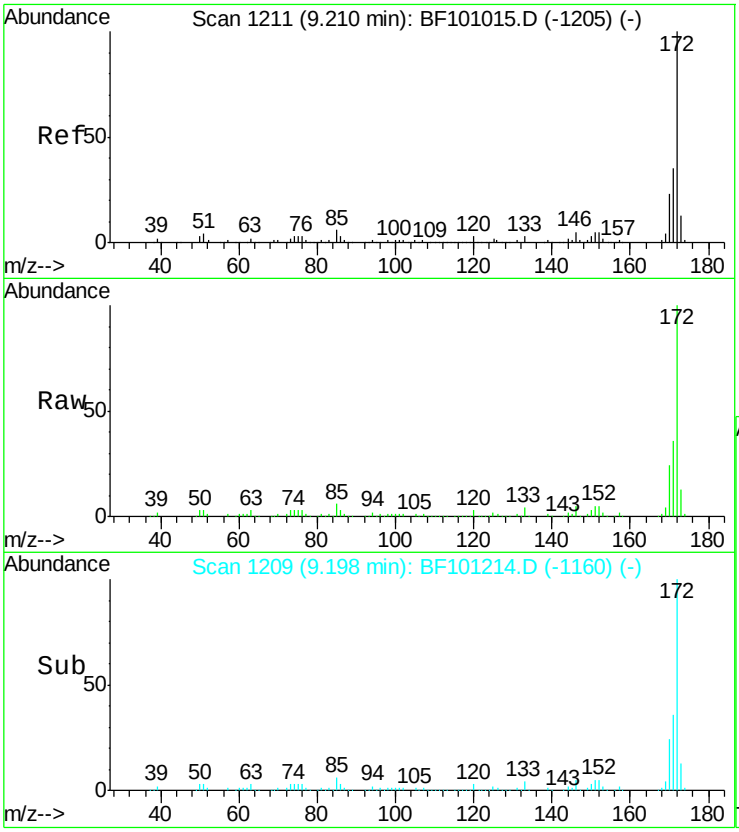


#41
2,4,6-Tribromophenol
Concen: 78.900 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:330 Resp: 63924

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	29.9	29.9	44.9#

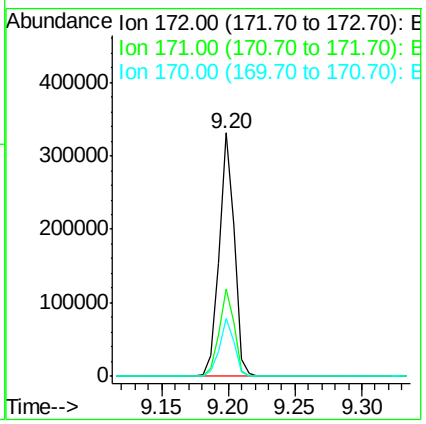




#44
2-Fluorobiphenyl
Concen: 53.922 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:172 Resp: 265804

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.8	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

Manual Integrations APPROVED
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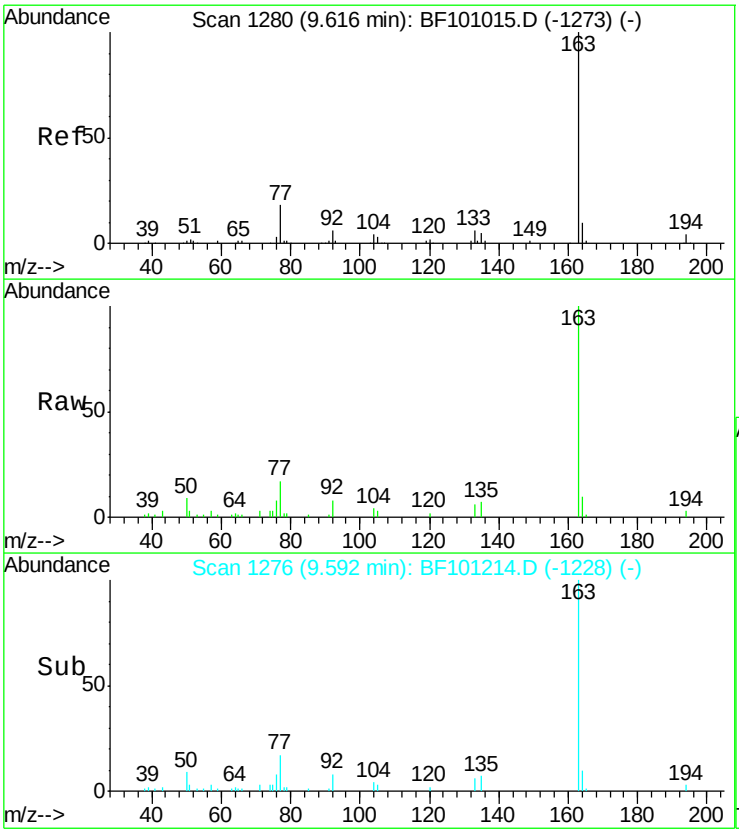
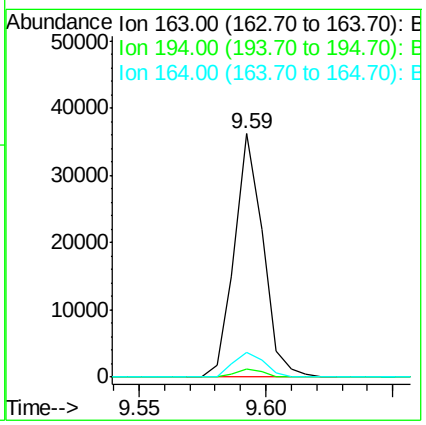
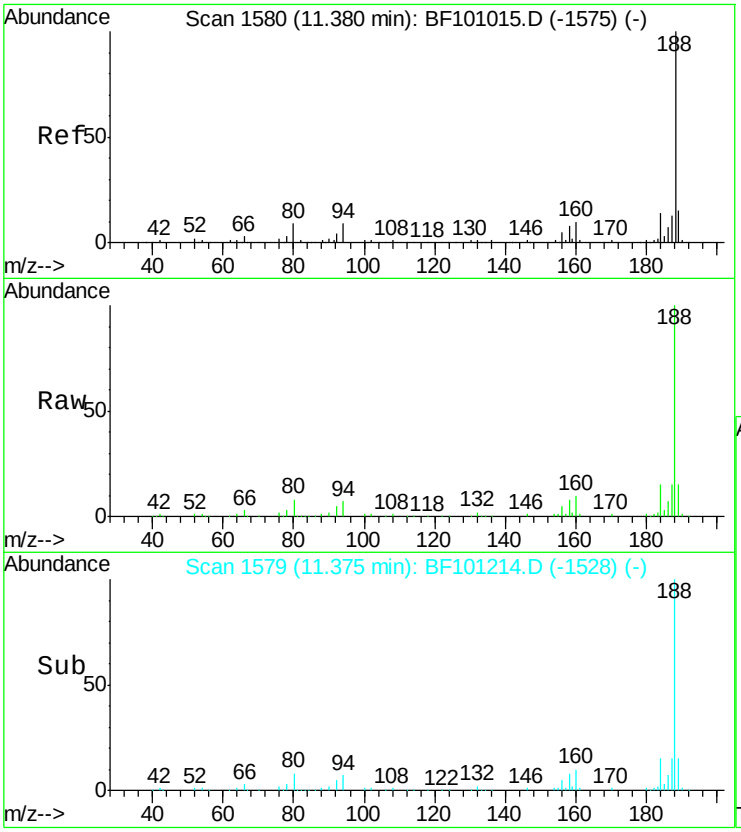


#49
Dimethylphthalate
Concen: 5.204 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:163 Resp: 28305

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.2	8.2	12.2





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:188 Resp: 116033

Ion	Ratio	Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	8.3	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

Manual Integrations APPROVED
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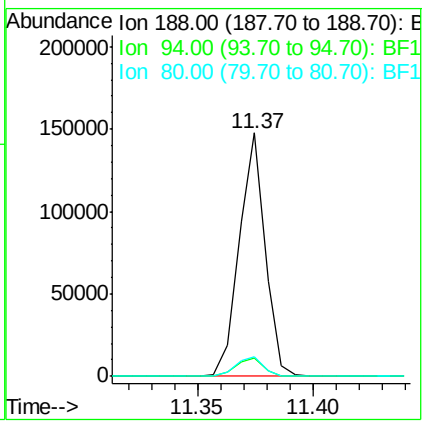
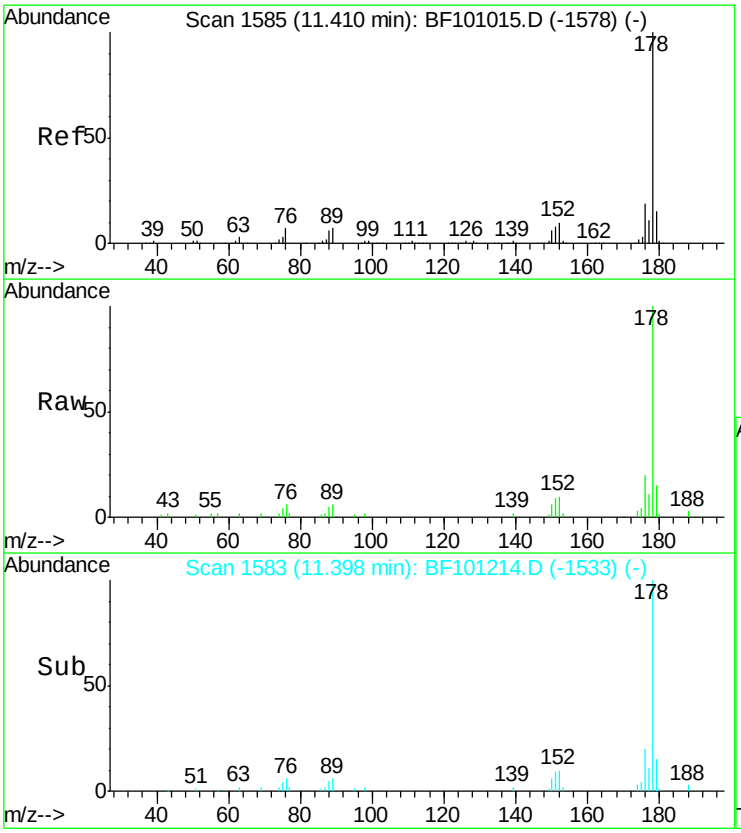
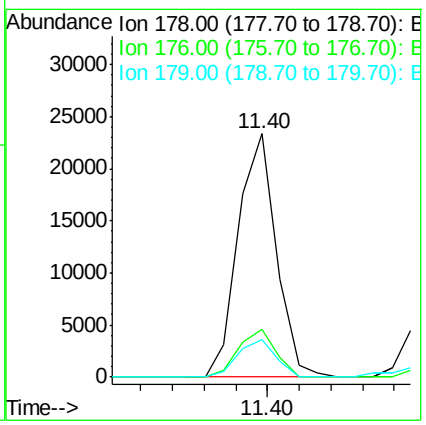


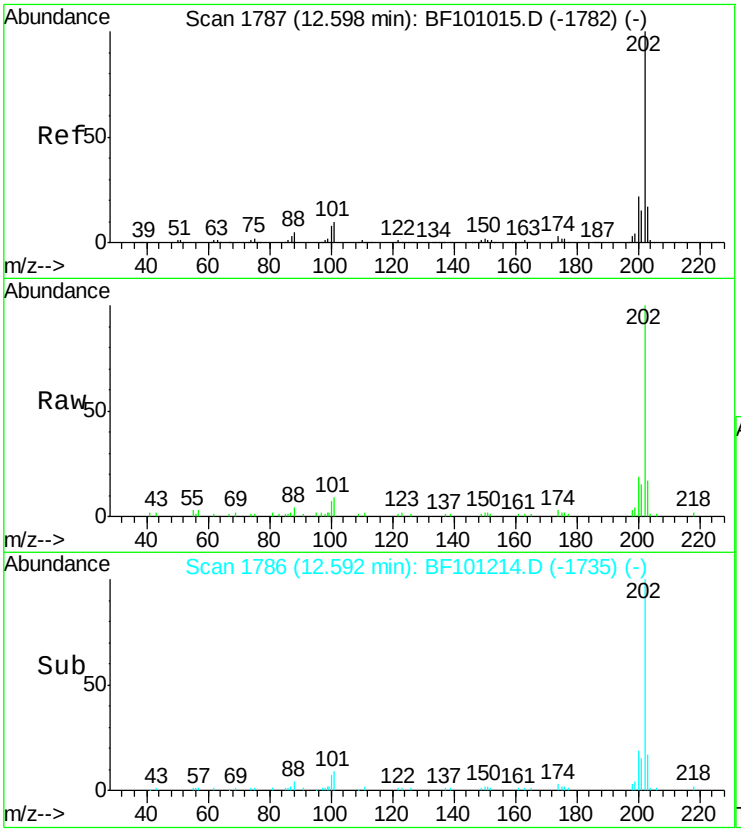


#70
Phenanthrene
Concen: 3.038 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:178 Resp: 19412

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6

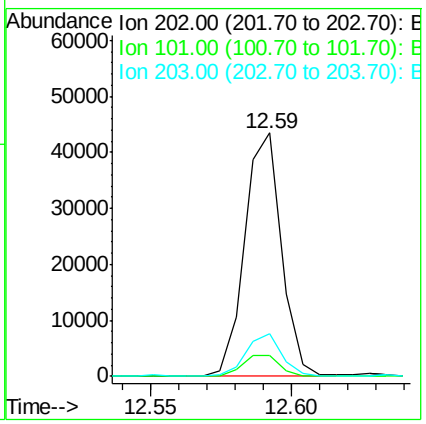




#74
Fluoranthene
Concen: 5.546 ng
RT: 12.59 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:202 Resp: 39280

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	34.1
203	17.4	0.0	38.1



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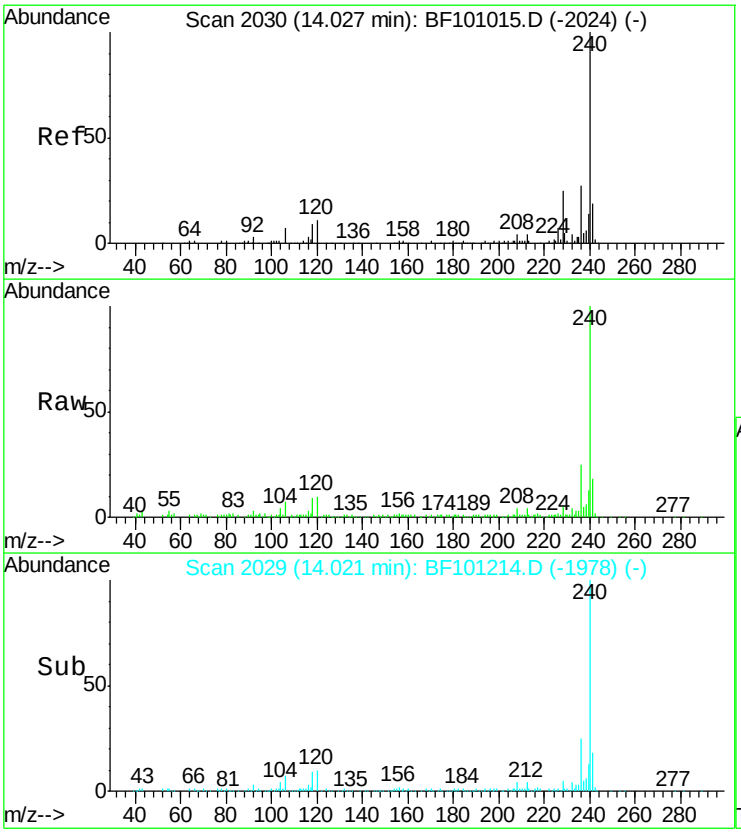
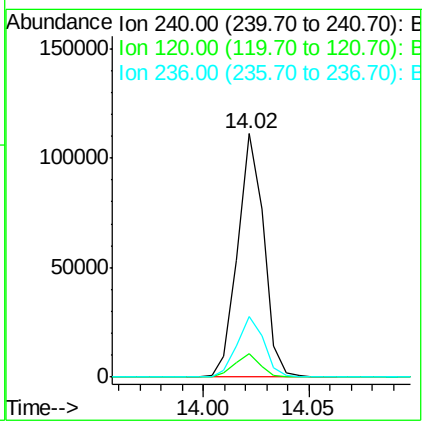
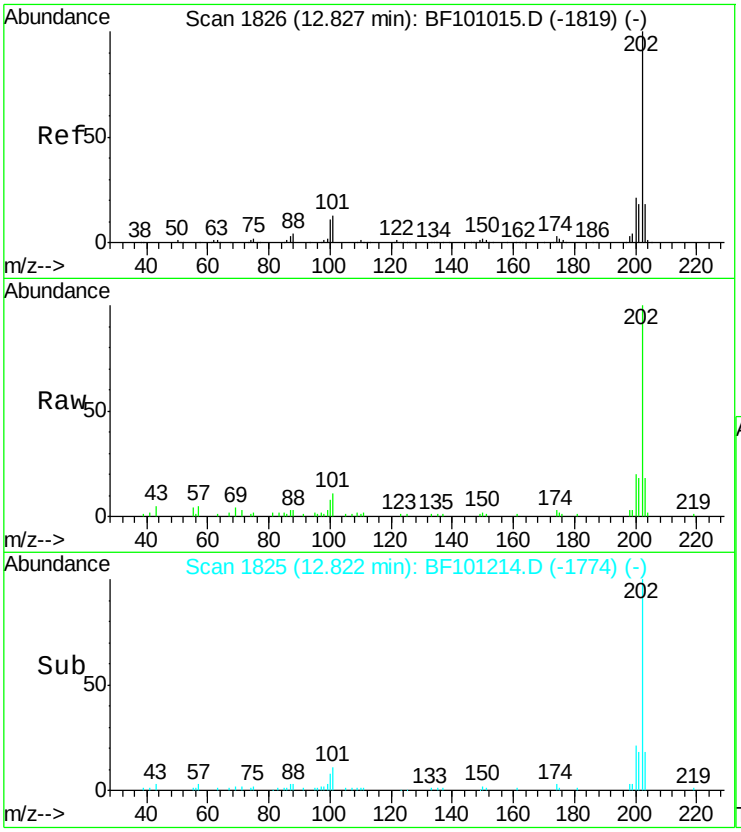


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:240 Resp: 94973

Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.5	14.3
236	24.7	20.7	31.1

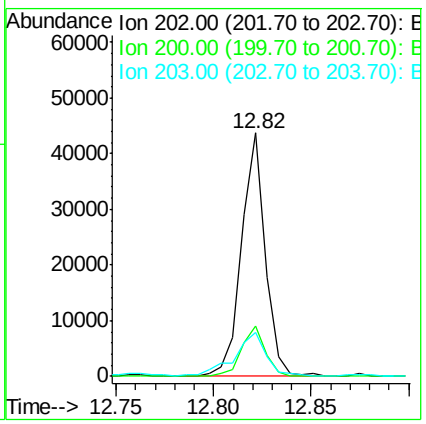




#77
Pyrene
Concen: 5.658 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

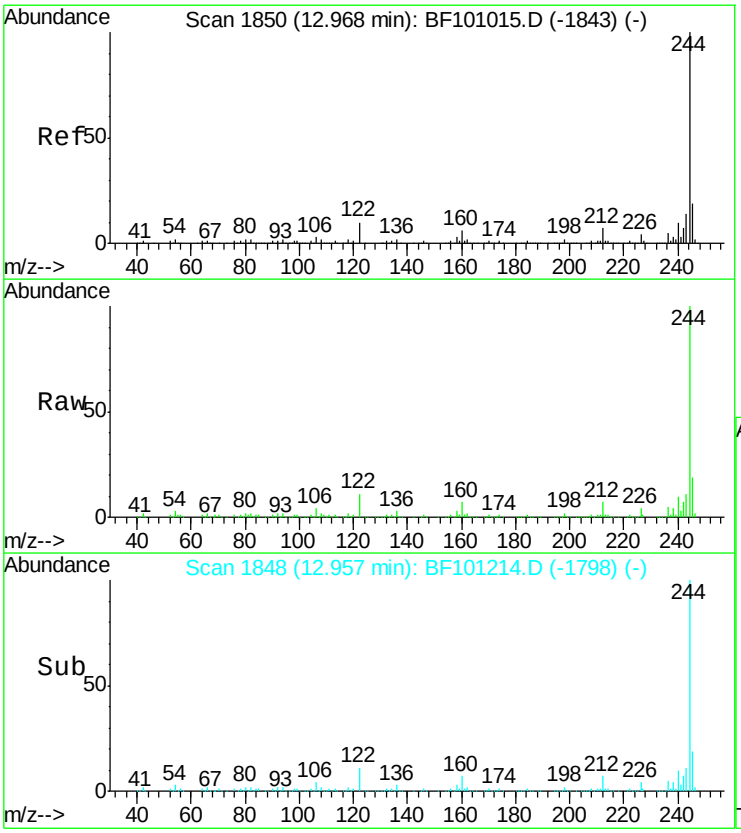
Tgt Ion:202 Resp: 37080

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	18.2	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

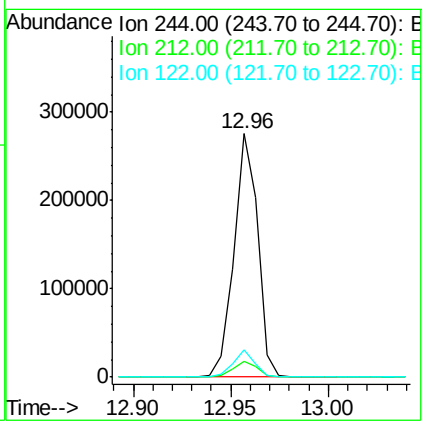
Manual Integrations APPROVED
Sohil
12/8/2017 11:12:22 AM

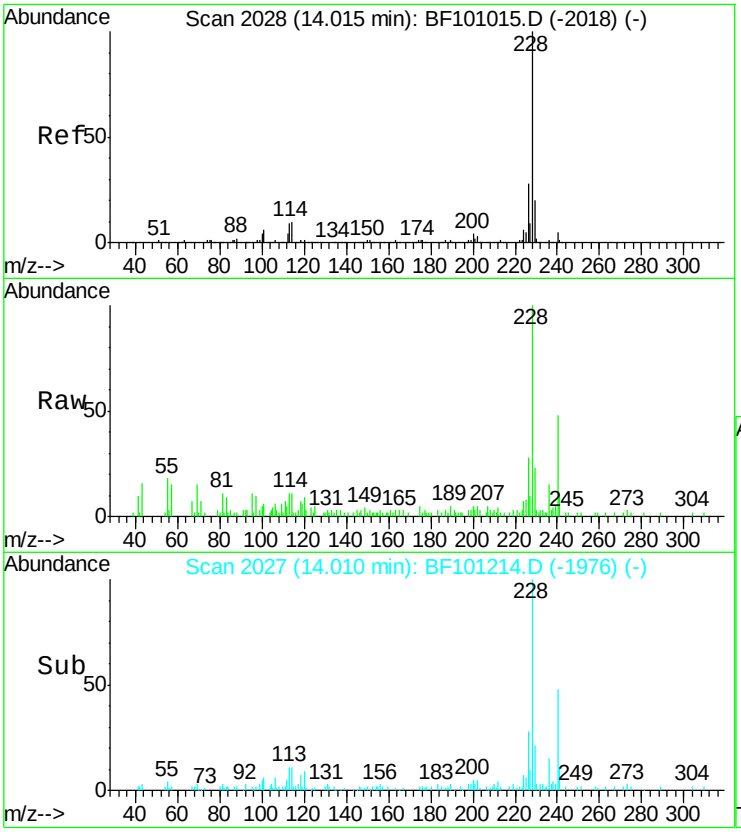


#78
Terphenyl-d14
Concen: 53.193 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:244 Resp: 230968

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.2	11.0	16.4

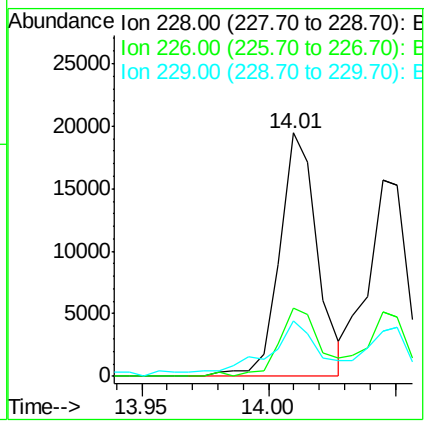




#80
Benzo(a)anthracene
Concen: 3.369 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:228 Resp: 20205

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	22.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

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Sohil
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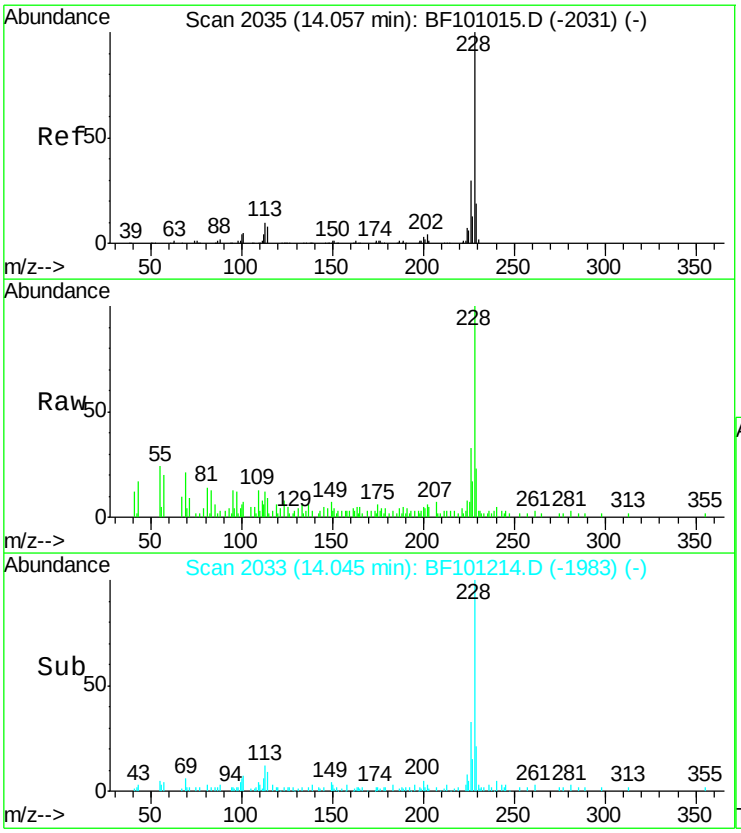
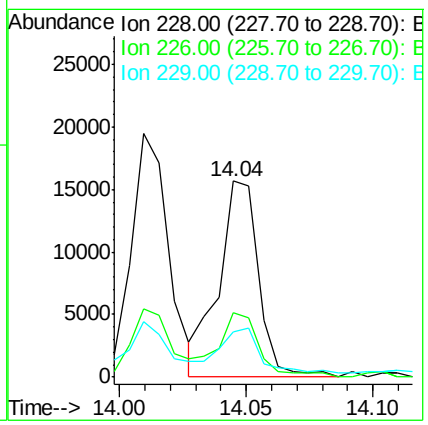
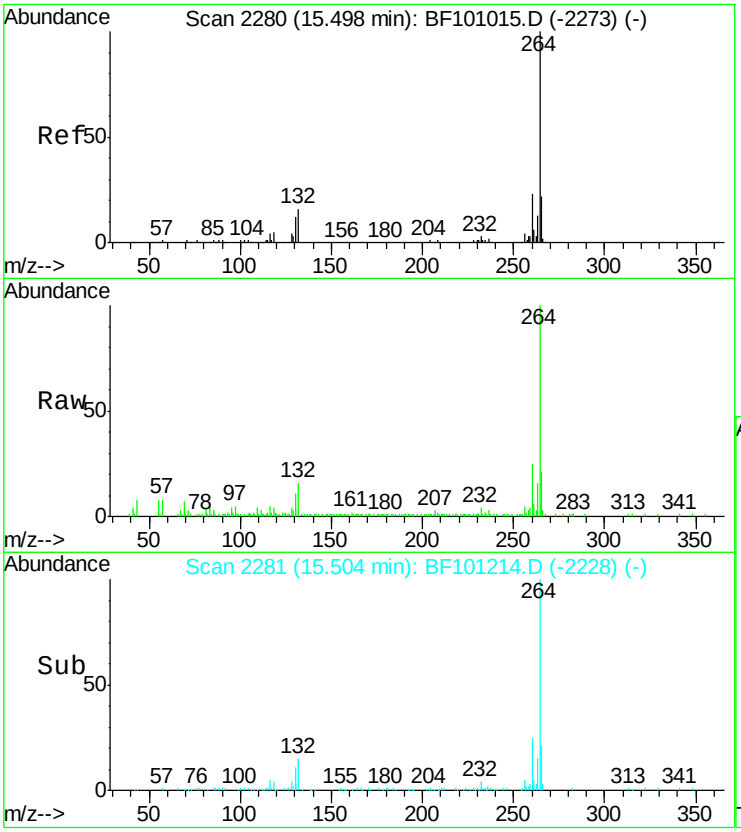


#82
Chrysene
Concen: 3.091 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:228 Resp: 17216

Ion	Ratio	Lower	Upper
228	100		
226	33.1	25.0	37.6
229	23.4	16.2	24.4

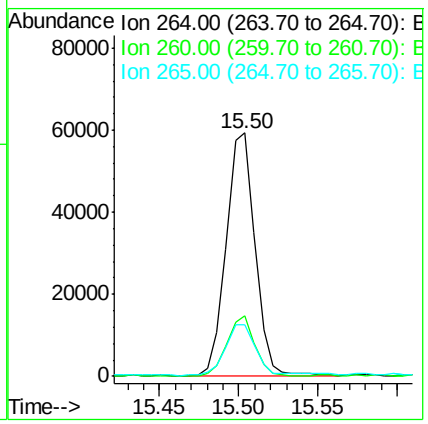




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

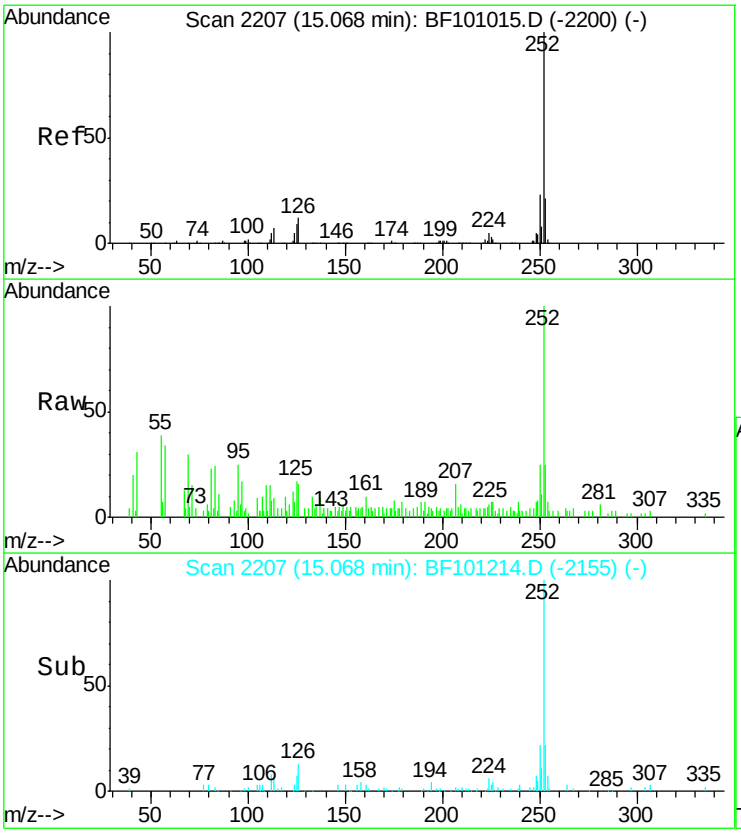
Tgt Ion:264 Resp: 75368

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.2	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

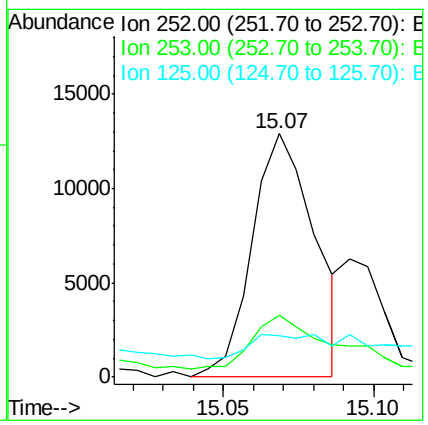
Manual Integrations APPROVED
Sohil
12/8/2017 11:12:22 AM

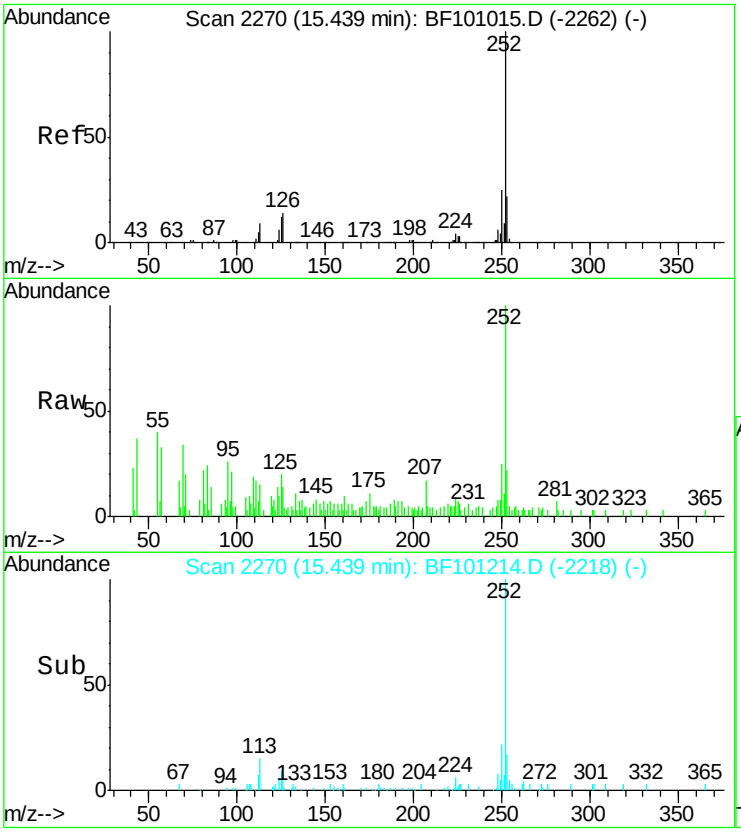


#87
Benzo(b)fluoranthene
Concen: 4.163 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:252 Resp: 18792

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.6
125	17.0	9.0	13.6#





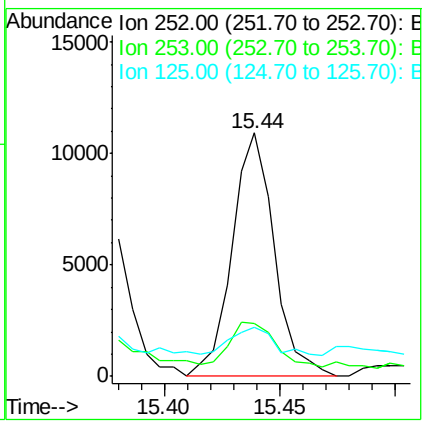
#89
Benzo(a)pyrene
Concen: 3.388 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

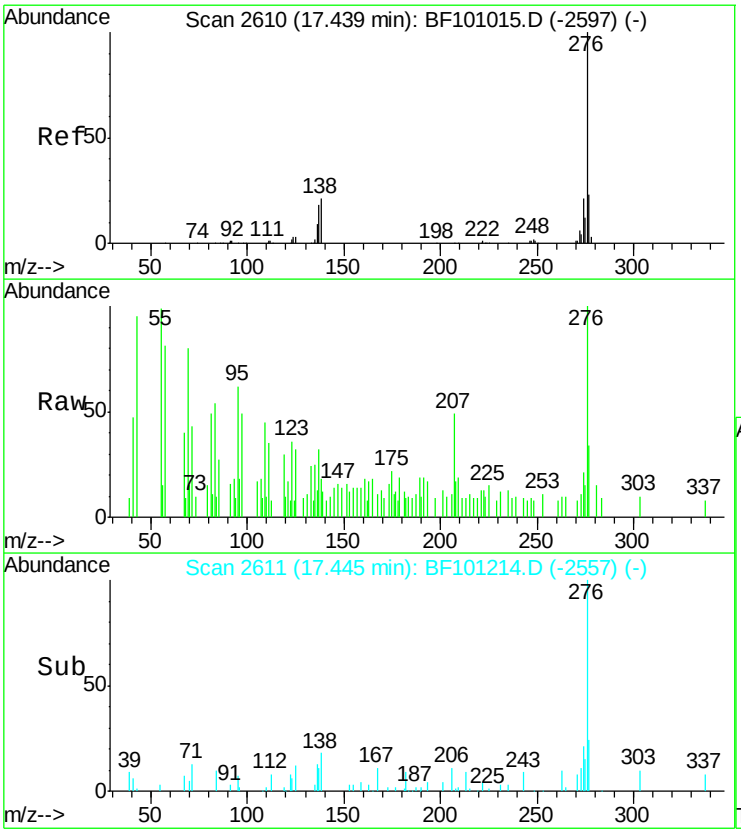
Tgt Ion:252 Resp: 13906

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	20.2	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

Manual Integrations APPROVED
Sohil
12/8/2017 11:12:22 AM





#91
Benzo(g,h,i)perylene
Concen: 2.447 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.02 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:276 Resp: 8344

Ion	Ratio	Lower	Upper
276	100		
277	34.5	17.9	26.9#
138	18.2	21.8	32.8#