Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
Data File : BF099277.D
Acq On : 9 Oct 2017 22:10
Operator : SJ/JU
Sample : I5715-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Manual Integrations APPROVED
Sohil
10/10/2017 5:00:39 PM

Quant Time: Oct 10 11:03:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 05 17:20:48 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	89928	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	351746	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	150771	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	230878	20.00	ng	0.00
75) Chrysene-d12	14.03	240	154824	20.00	ng	0.00
86) Perylene-d12	15.50	264	161256	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	9814	1.74	ng	0.00
7) Phenol-d6	6.49	99	12390	1.78	ng	0.00
23) Nitrobenzene-d5	7.43	82	6741	1.23	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	1431	1.16	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	16588	1.84	ng	-0.01
78) Terphenyl-d14	12.96	244	11011	1.62	ng	-0.01
Target Compounds						Qvalue
57) Fluorene	10.45	166	25234	2.499	ng	96
70) Phenanthrene	11.41	178	201158	16.277	ng	98
71) Anthracene	11.46	178	74660	5.904	ng	97
74) Fluoranthene	12.60	202	245210	19.595	ng	99
77) Pyrene	12.83	202	189767	16.074	ng	98
80) Benzo(a)anthracene	14.02	228	114465	12.210	ng	99
82) Chrysene	14.05	228	89121	9.985	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	42106	5.897	ng	95
87) Benzo(b)fluoranthene	15.07	252	121365m	12.241	ng	
88) Benzo(k)fluoranthene	15.10	252	47875m	4.889	ng	
89) Benzo(a)pyrene	15.44	252	85008	9.341	ng	97
91) Benzo(g,h,i)perylene	17.43	276	36637	5.089	ng	96

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

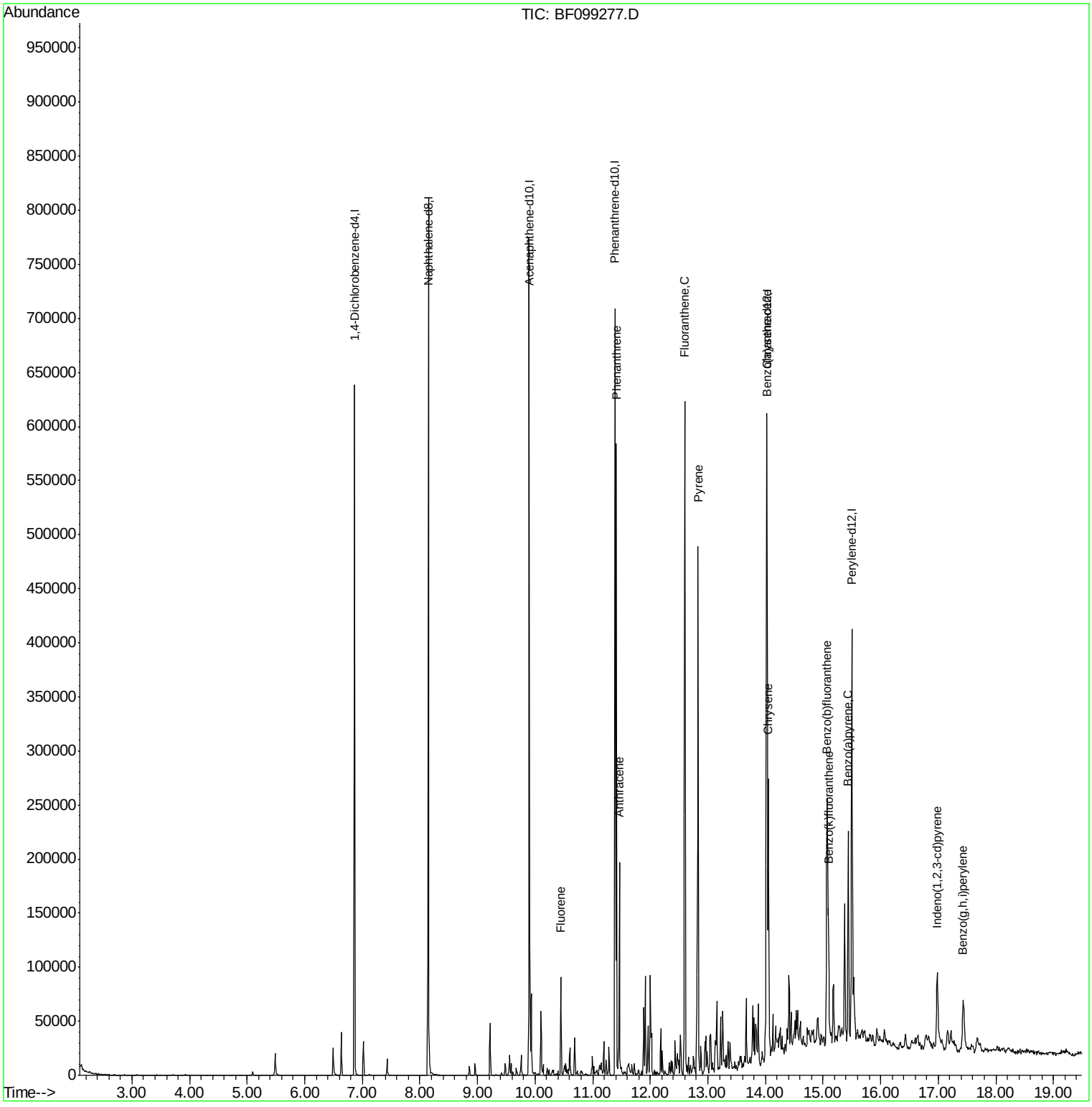
Quantitation Report (LSC Reviewed)

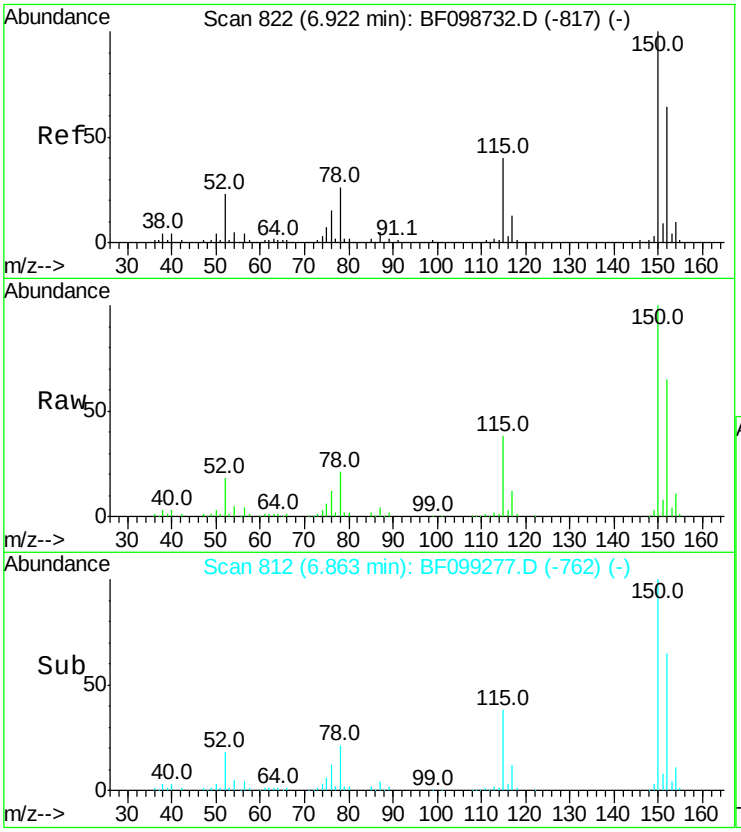
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
Data File : BF099277.D
Acq On : 9 Oct 2017 22:10
Operator : SJ/JU
Sample : I5715-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 10 11:03:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 05 17:20:48 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Manual Integrations APPROVED
Sohil
10/10/2017 5:00:39 PM

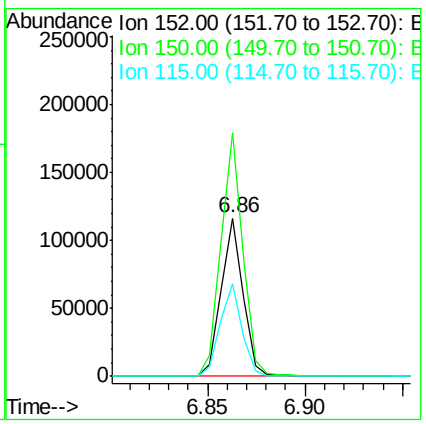




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

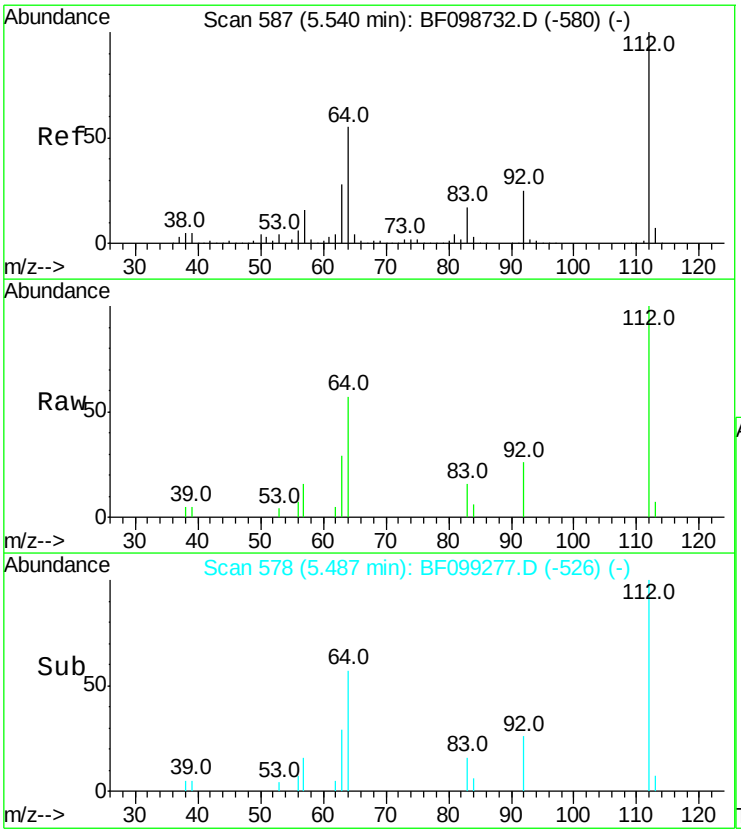
Tgt Ion:152 Resp: 89928

Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	58.7	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

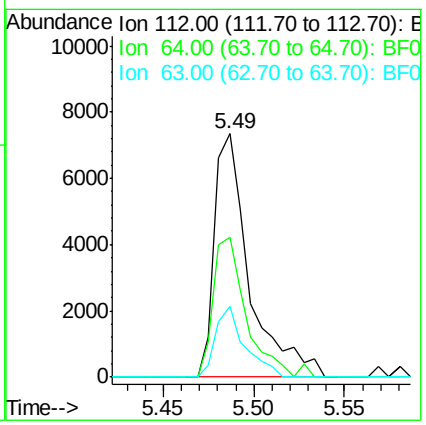
Manual Integrations APPROVED
Sohil
10/10/2017 5:00:39 PM

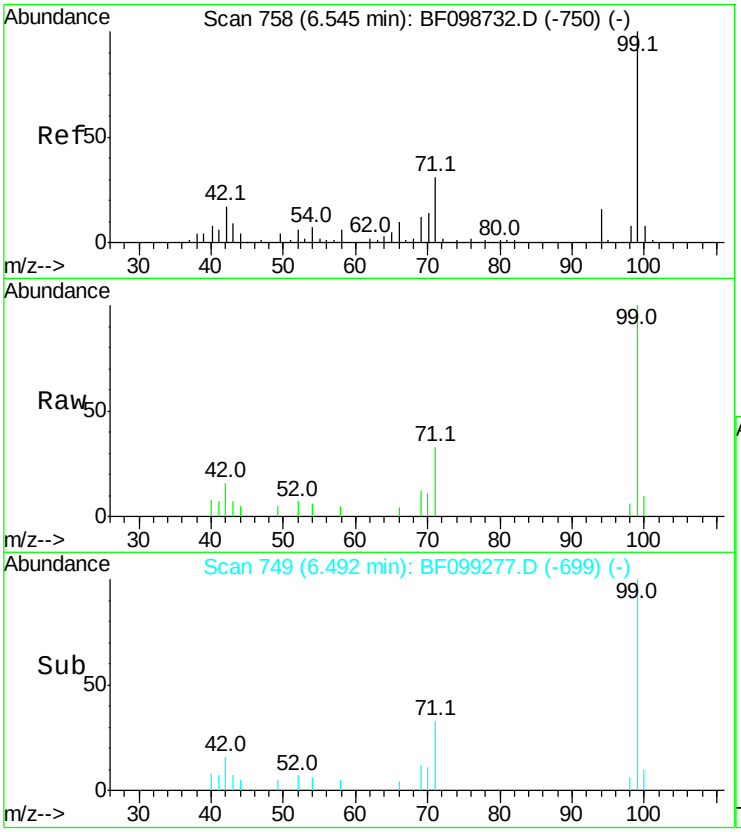


#5
2-Fluorophenol
Concen: 1.737 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:112 Resp: 9814

Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	29.1	23.7	35.5

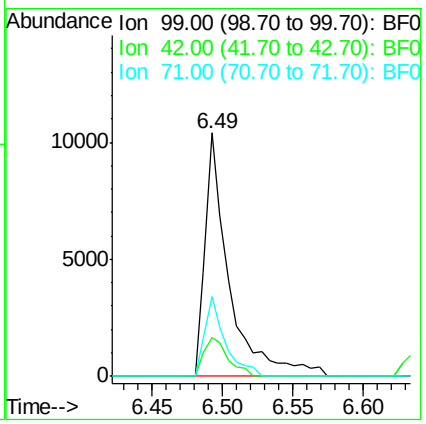




#7
Phenol-d6
Concen: 1.778 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion: 99 Resp: 12390

Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.5	21.7
71	32.8	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Manual Integrations APPROVED
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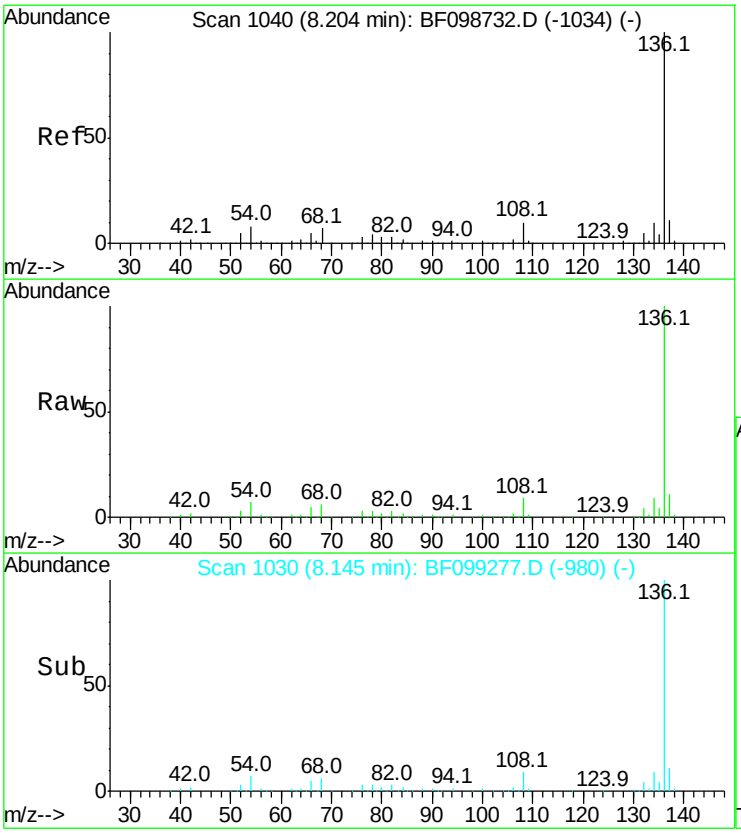
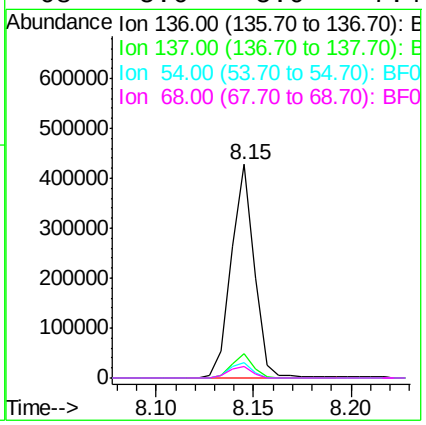
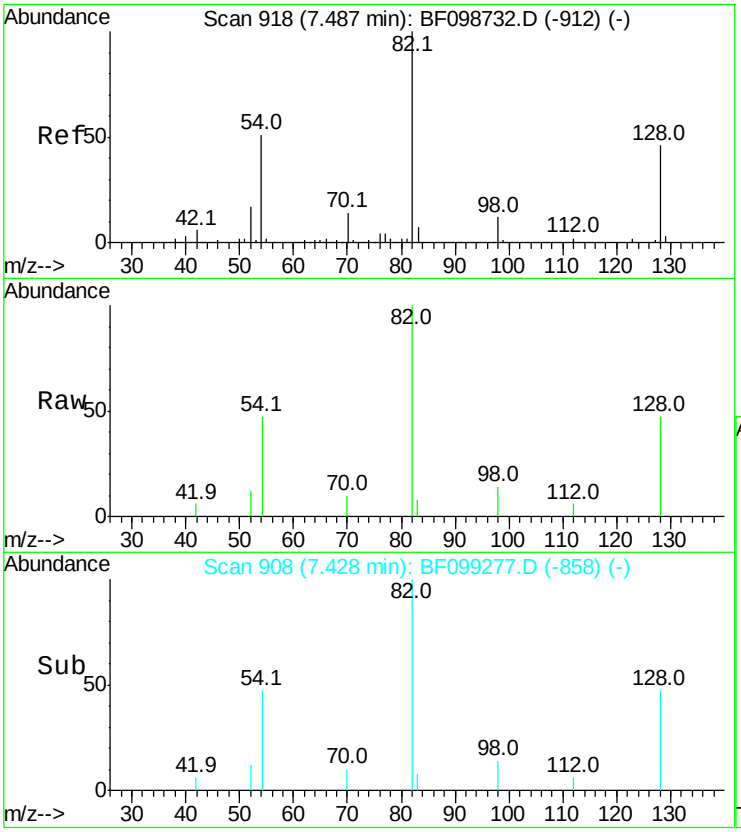


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:136 Resp: 351746

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.2	6.6	9.8
68	5.6	5.0	7.4

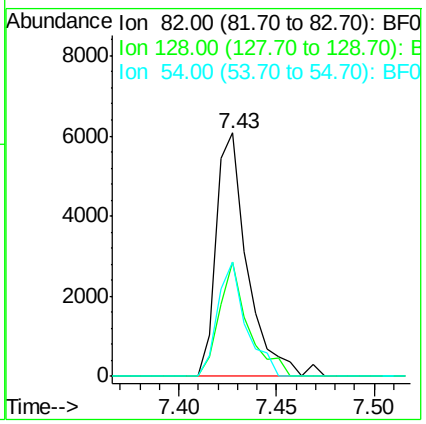




#23
Nitrobenzene-d5
Concen: 1.229 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion: 82 Resp: 6741

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	47.0	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Manual Integrations APPROVED
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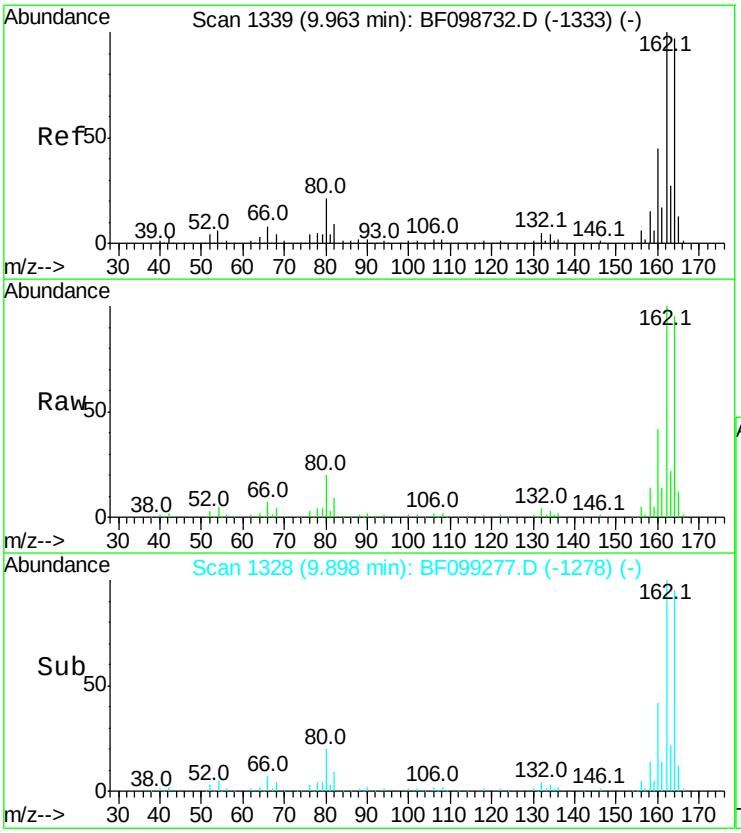
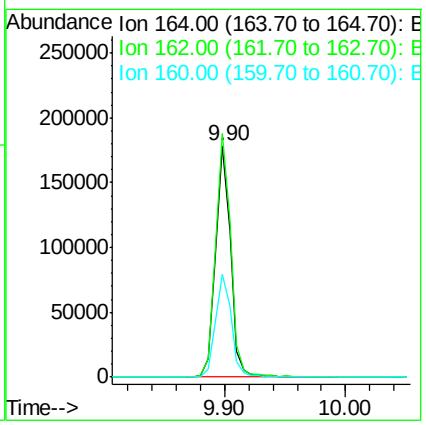
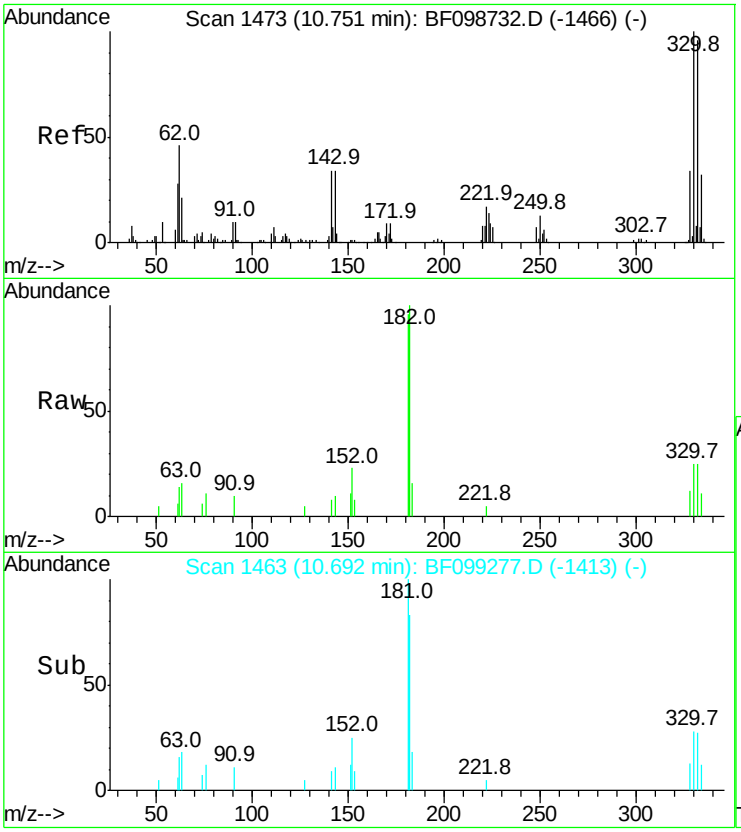


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:164 Resp: 150771

Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	44.6	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 1.160 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:330 Resp: 1431

Ion	Ratio	Lower	Upper
330	100		
332	106.8	77.0	115.6
141	37.2	29.9	44.9

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Manual Integrations APPROVED
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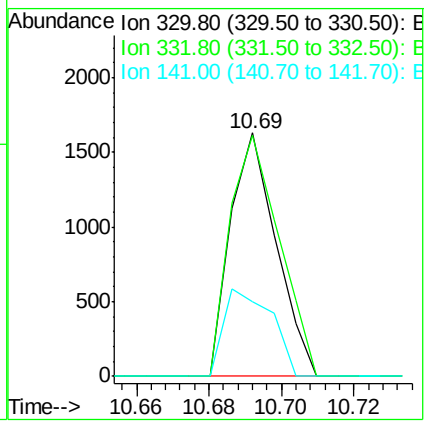
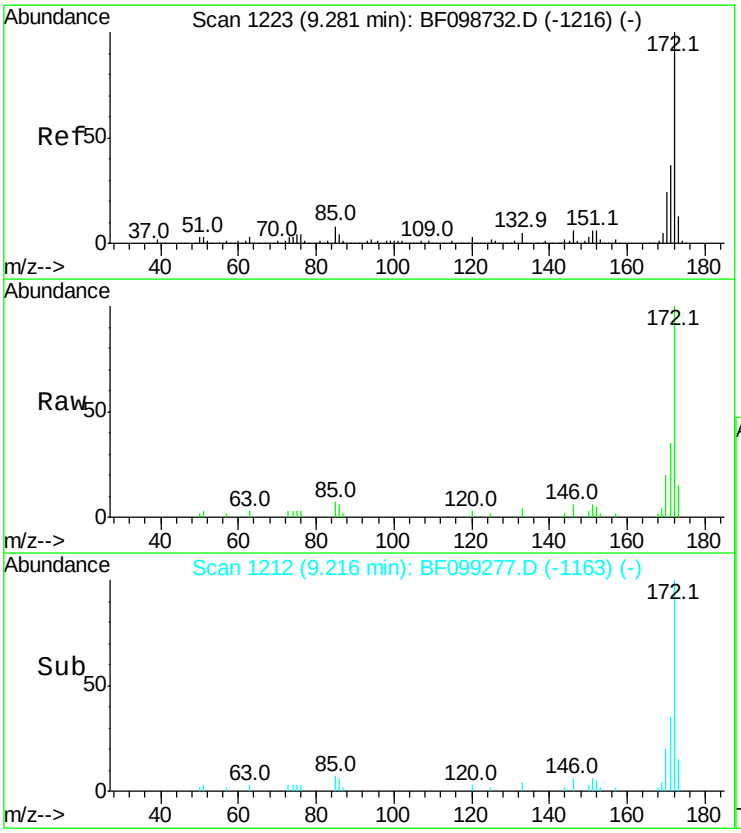
10/10/2017 5:00:39 PM

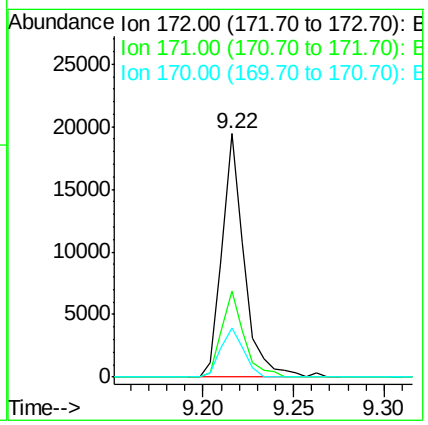


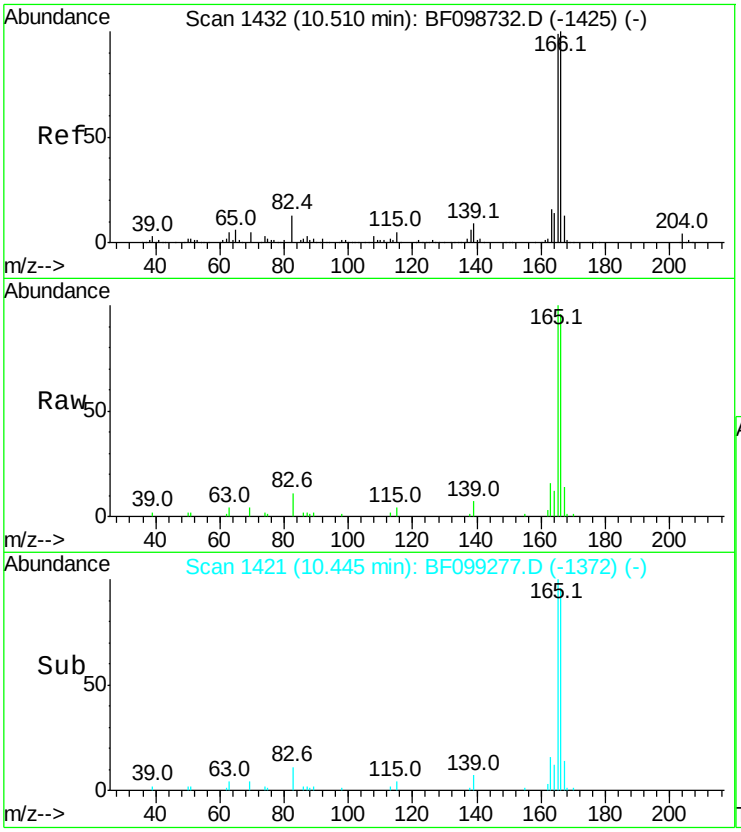


#44
2-Fluorobiphenyl
Concen: 1.837 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:172 Resp: 16588

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	20.1	19.6	29.4

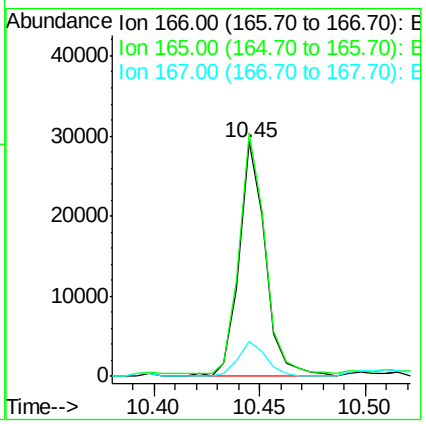




#57
Fluorene
Concen: 2.499 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:166 Resp: 25234

Ion	Ratio	Lower	Upper
166	100		
165	103.9	79.8	119.8
167	14.7	10.6	16.0



Instrument :
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ClientSampleId :
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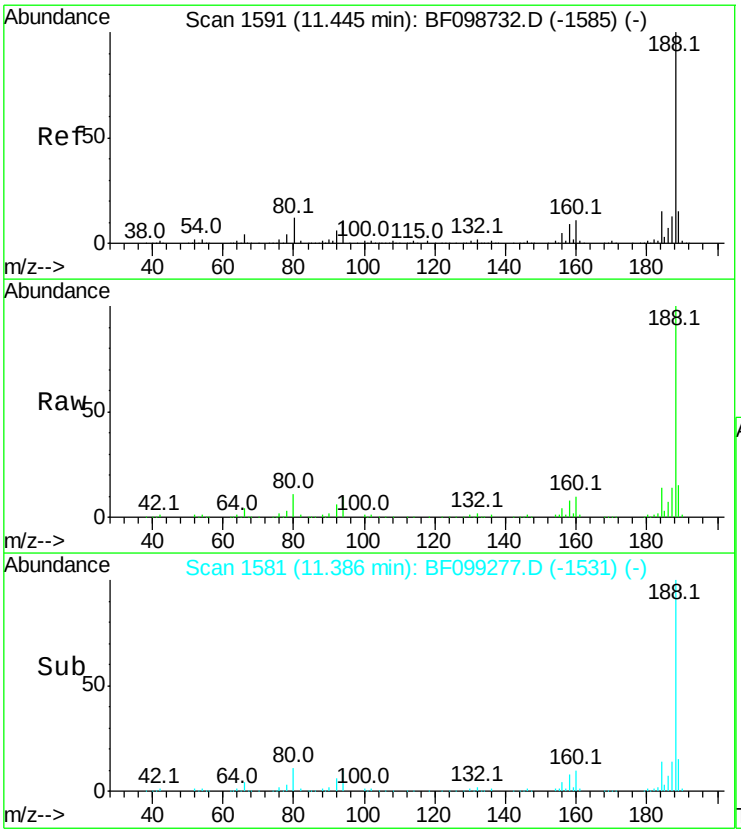
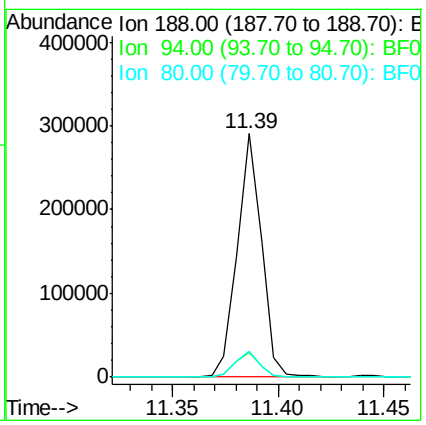
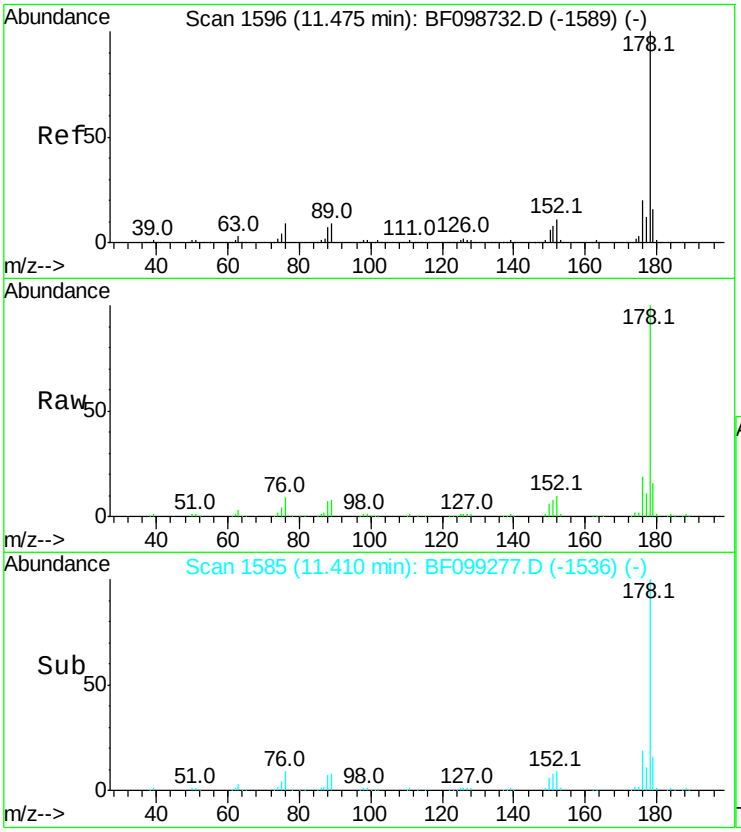


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:188 Resp: 230878

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.7	9.2	13.8

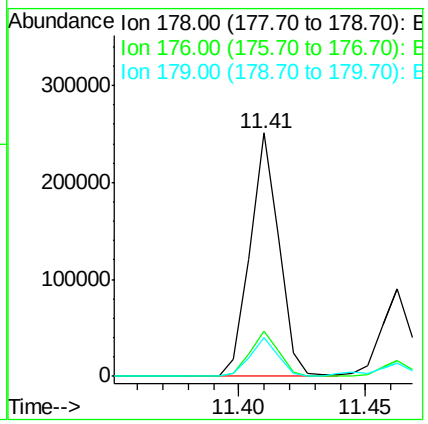




#70
Phenanthrene
Concen: 16.277 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

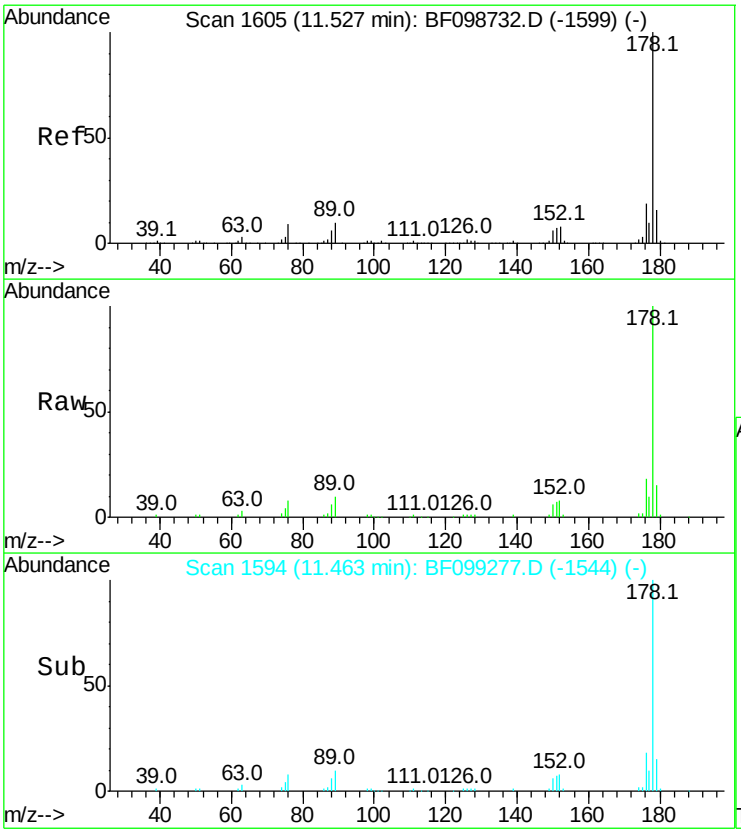
Tgt Ion:178 Resp: 201158

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.9	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

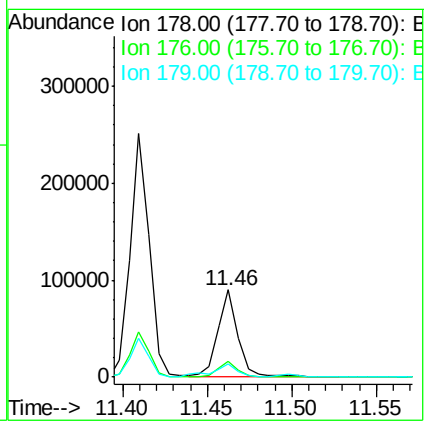
Manual Integrations APPROVED
Sohil
10/10/2017 5:00:39 PM

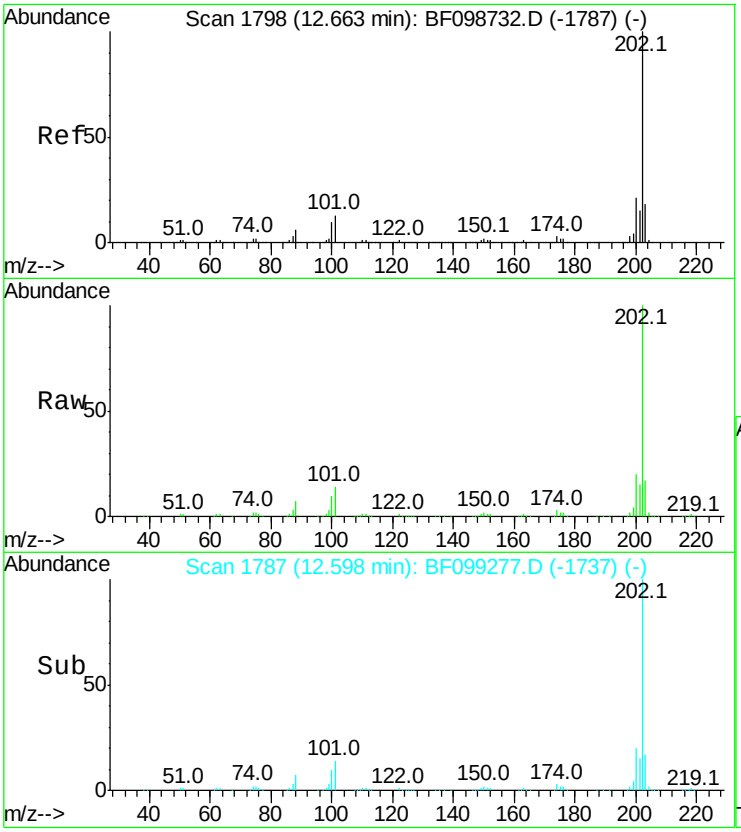


#71
Anthracene
Concen: 5.904 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:178 Resp: 74660

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.3	12.6	19.0

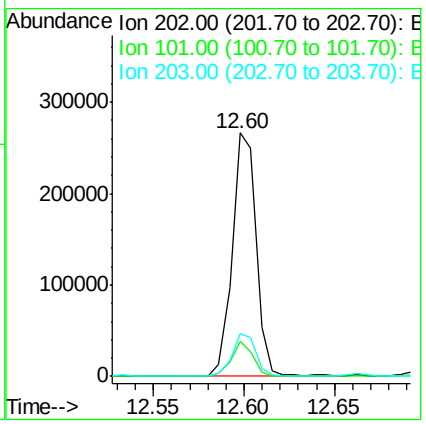




#74
Fluoranthene
Concen: 19.595 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:202 Resp: 245210

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.1
203	17.5	0.0	38.1



Instrument :
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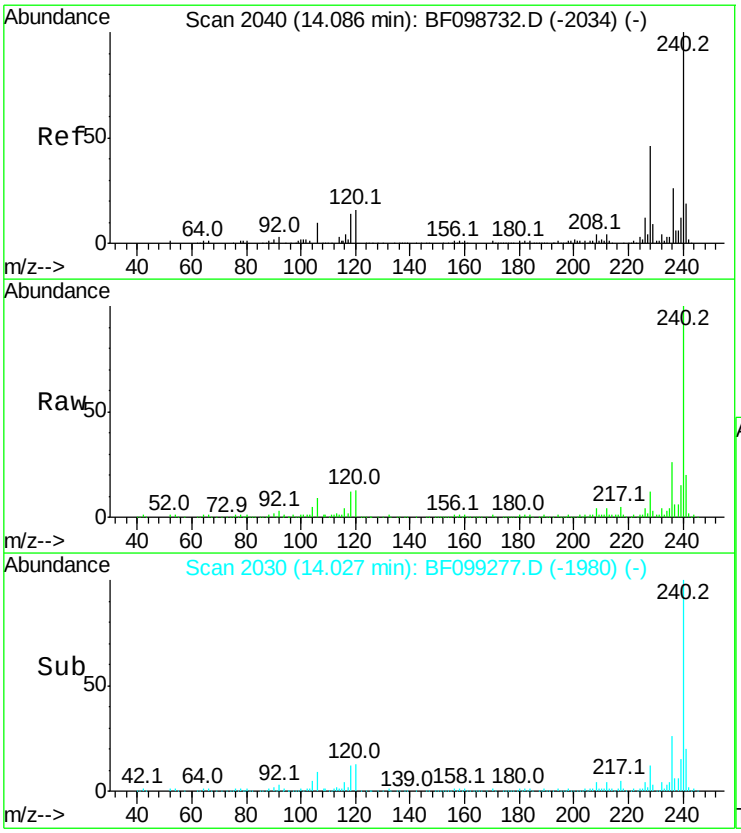
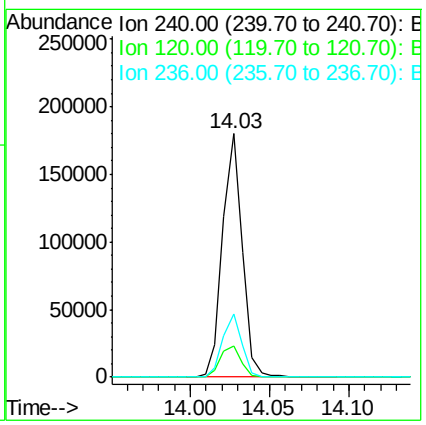
10/10/2017 5:00:39 PM

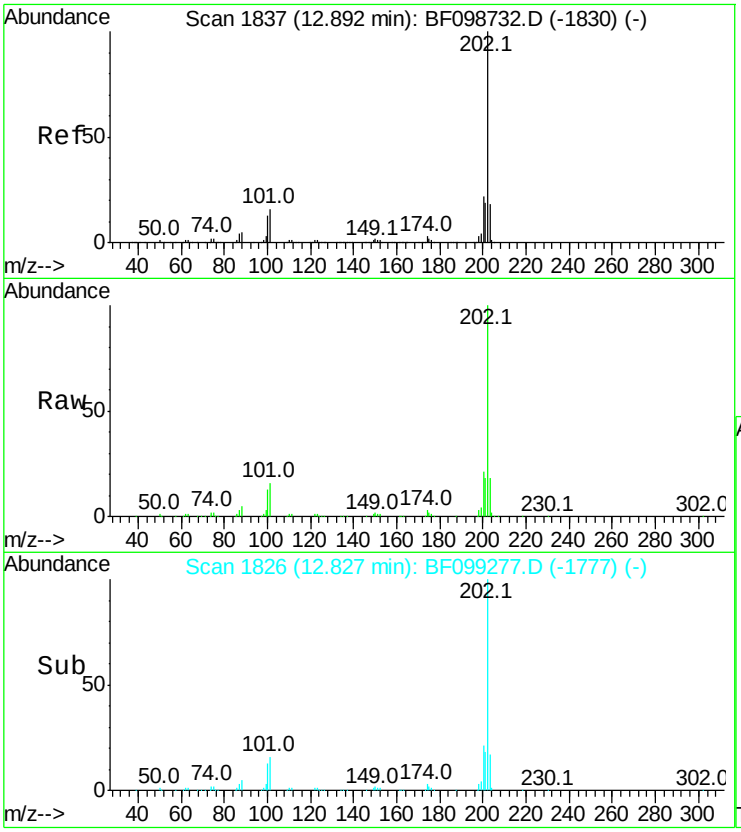


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:240 Resp: 154824

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	26.2	20.7	31.1

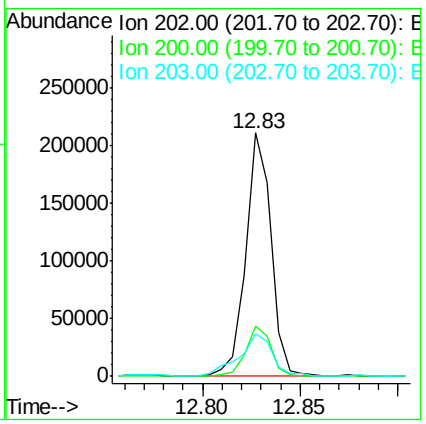




#77
Pyrene
Concen: 16.074 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

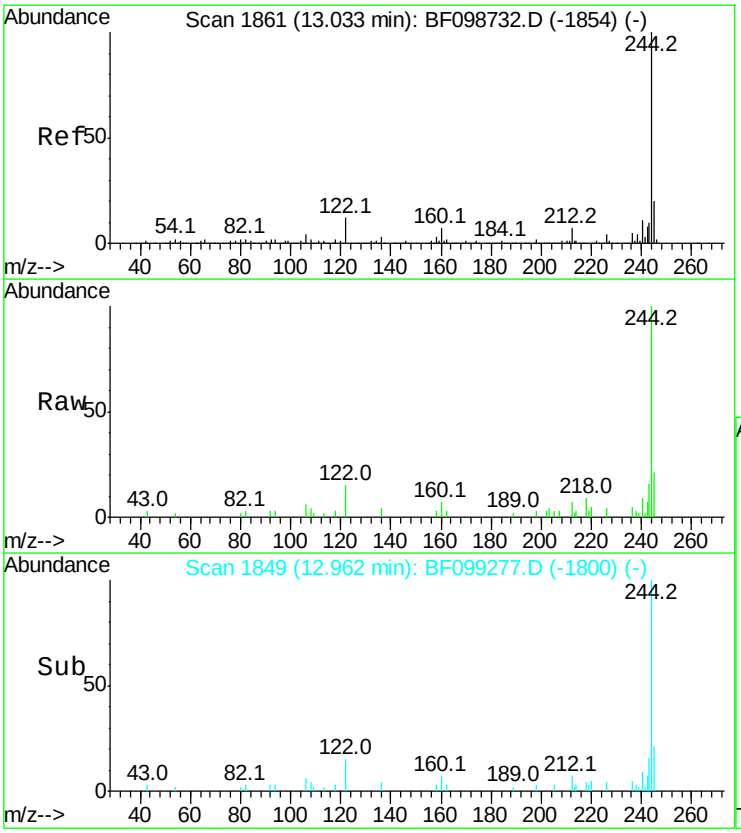
Tgt Ion:202 Resp: 189767

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.6	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

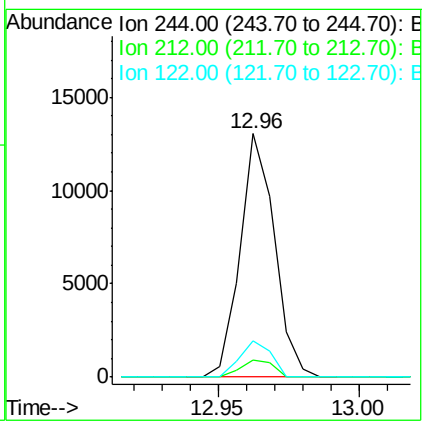
Manual Integrations APPROVED
Sohil
10/10/2017 5:00:39 PM

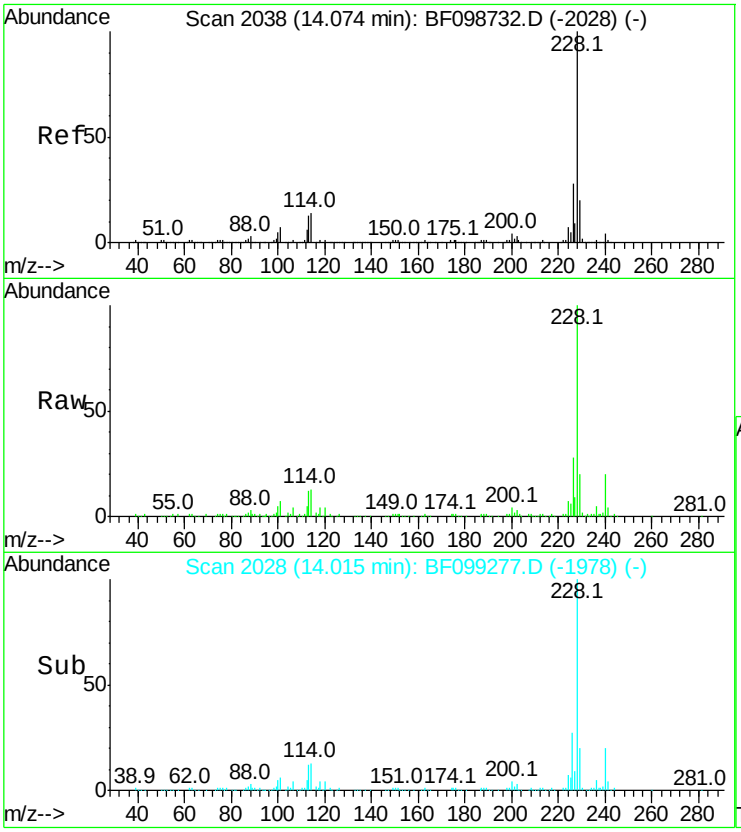


#78
Terphenyl-d14
Concen: 1.617 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:244 Resp: 11011

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.9	11.0	16.4

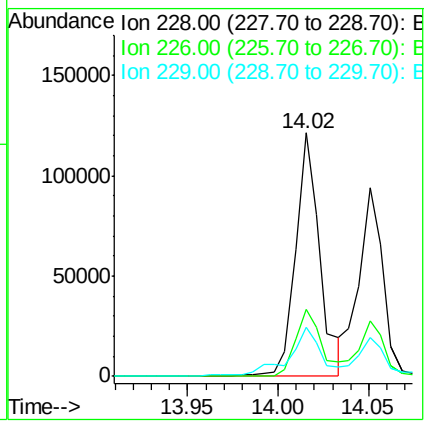




#80
Benzo(a)anthracene
Concen: 12.210 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:228 Resp: 114465

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.1	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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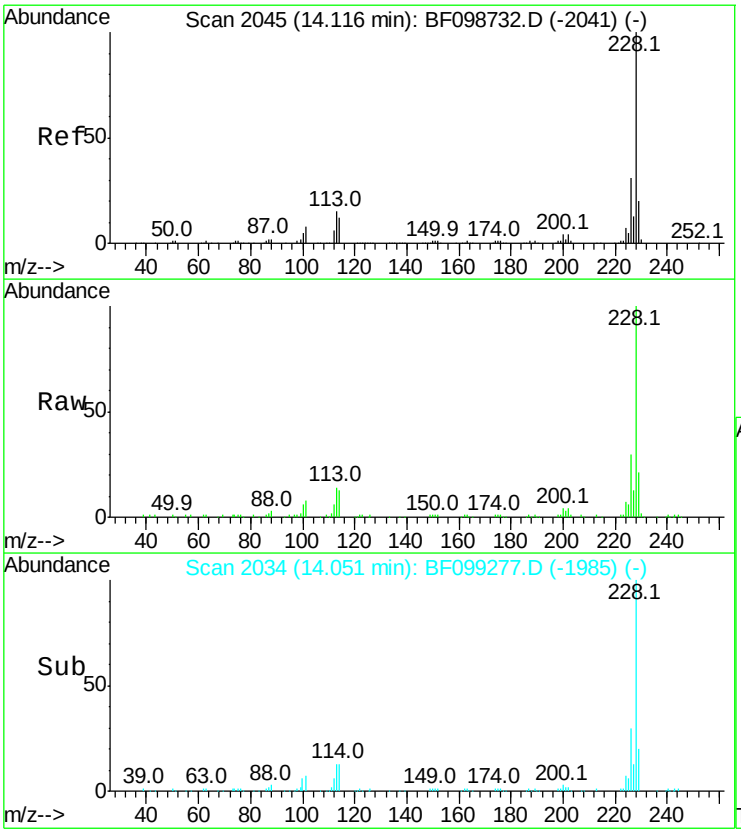
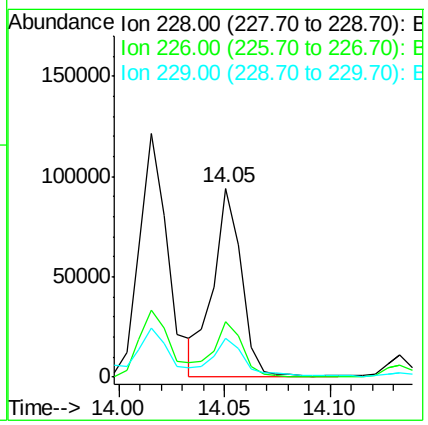
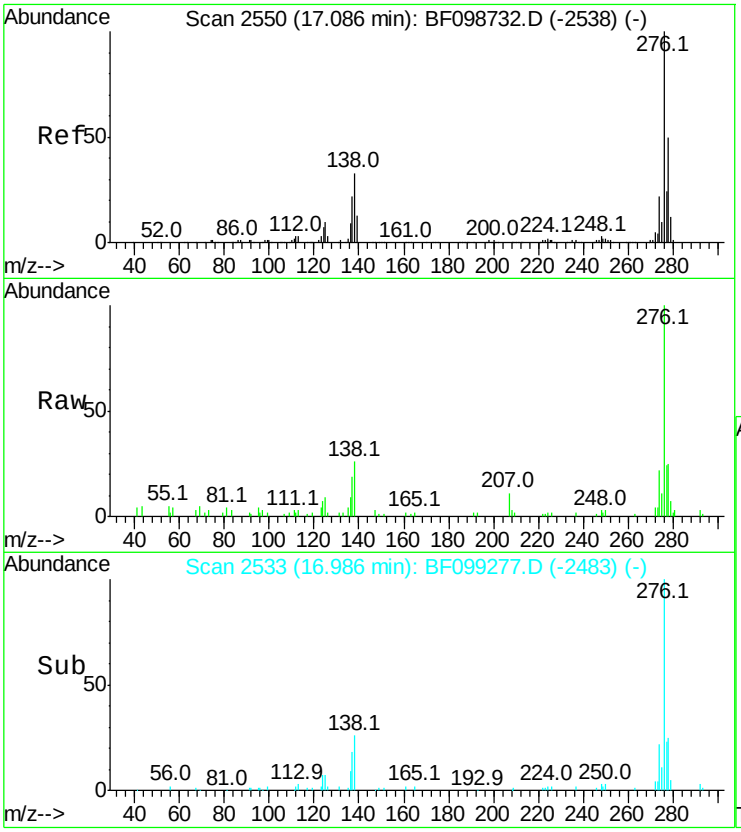


#82
Chrysene
Concen: 9.985 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:228 Resp: 89121

Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	20.6	16.2	24.4

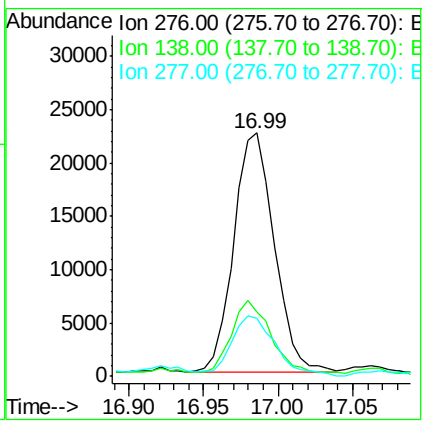




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.897 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:276 Resp: 42106

Ion	Ratio	Lower	Upper
276	100		
138	33.8	25.0	37.6
277	28.0	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Manual Integrations APPROVED
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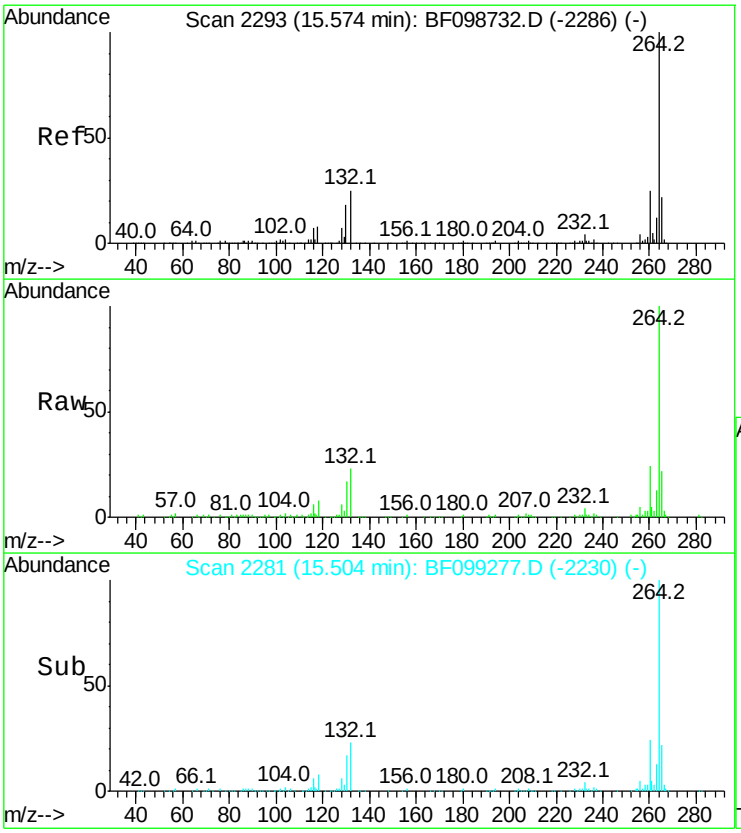
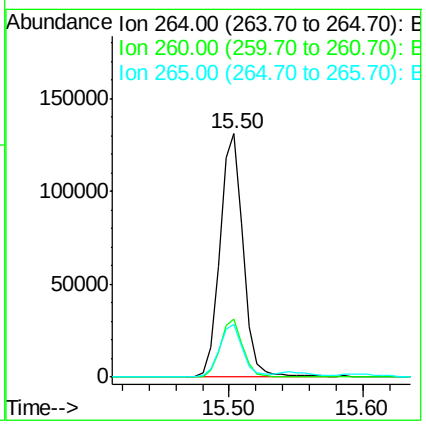
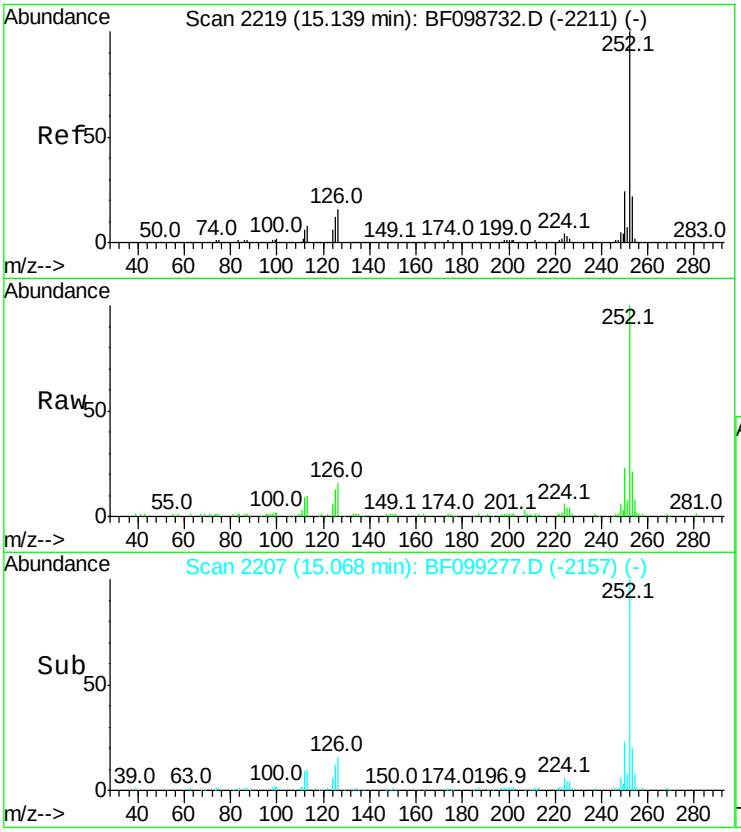


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:264 Resp: 161256

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3

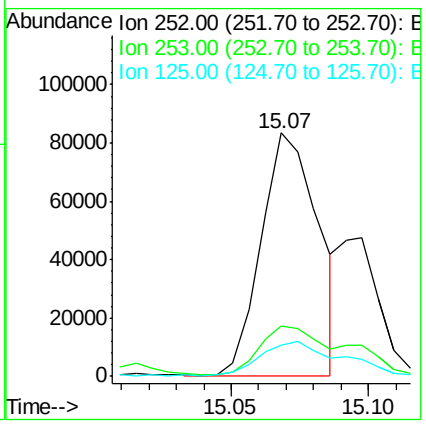




#87
Benzo(b)fluoranthene
Concen: 12.241 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:252 Resp: 121365

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.0	25.6
125	13.0	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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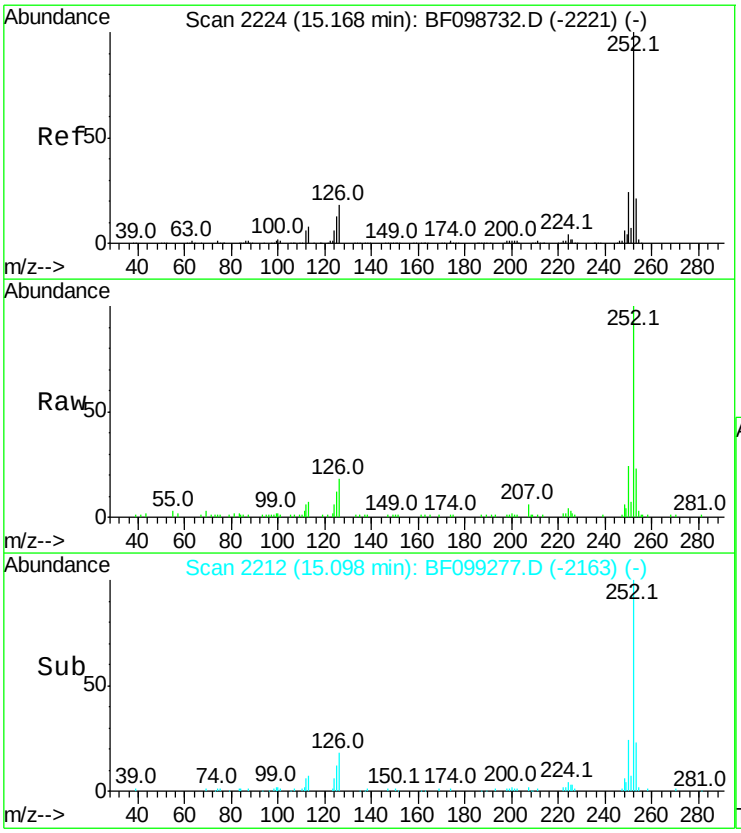
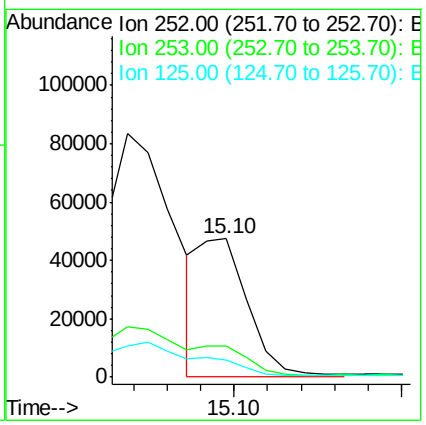
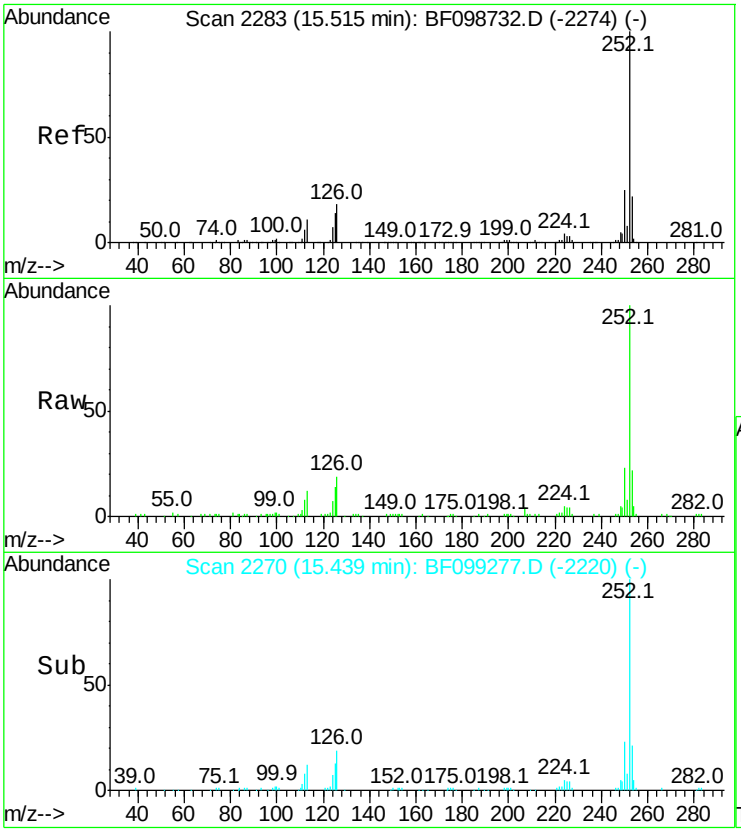


#88
Benzo(k)fluoranthene
Concen: 4.889 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:252 Resp: 47875

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	12.3	10.2	15.2

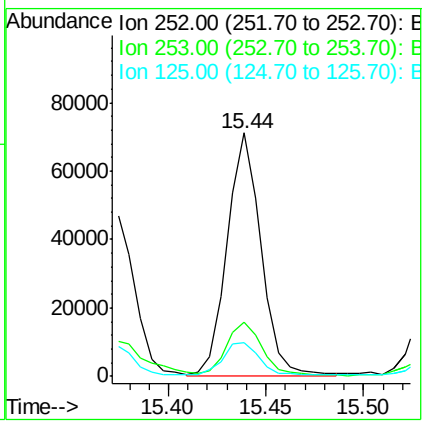




#89
Benzo(a)pyrene
Concen: 9.341 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:252 Resp: 85008

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	13.9	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Manual Integrations APPROVED
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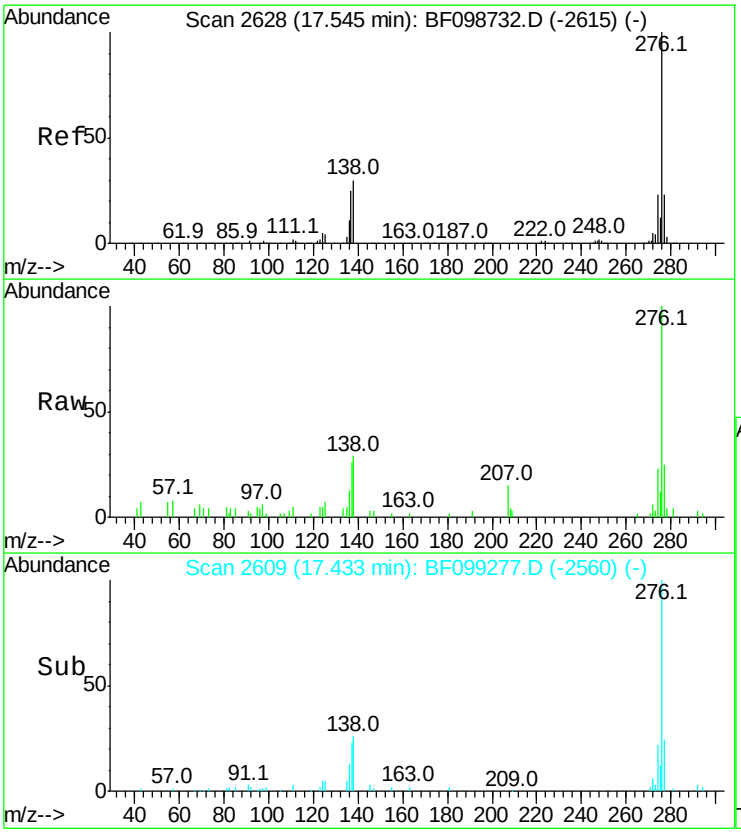

#91
Benzo(g,h,i)perylene
Concen: 5.089 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:276 Resp: 36637

Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	28.8	21.8	32.8