Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109552.D
Acq On : 3 Oct 2018 17:51
Operator : JU/SJ
Sample : J5198-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-100218-A

Manual Integrations APPROVED
Sohil
10/4/2018 11:44:11 AM

Quant Time: Oct 04 09:49:18 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	91725	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	330429	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	127065	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	227949	20.00	ng	0.00
75) Chrysene-d12	13.84	240	235809	20.00	ng	0.00
86) Perylene-d12	15.24	264	162992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	180091	32.34	ng	0.00
7) Phenol-d6	6.35	99	240286	33.81	ng	-0.01
23) Nitrobenzene-d5	7.26	82	142201	25.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	42669	34.06	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	230633	27.37	ng	-0.02
78) Terphenyl-d14	12.79	244	212241	22.09	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.45	163	75939	8.217	ng	# 99
70) Phenanthrene	11.23	178	30833	2.709	ng	99
74) Fluoranthene	12.42	202	70683	5.811	ng	97
77) Pyrene	12.64	202	81124	4.800	ng	97
80) Benzo(a)anthracene	13.83	228	35061	2.468	ng	95
82) Chrysene	13.86	228	34643	2.461	ng	95
87) Benzo(b)fluoranthene	14.84	252	29044m	3.243	ng	
89) Benzo(a)pyrene	15.19	252	19421	2.406	ng	# 83

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

Quantitation Report (QT/LSC Reviewed)

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Misc :
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Instrument :
BNA_F
ClientSampleId :
CL-01-100218-A

Manual Integrations APPROVED
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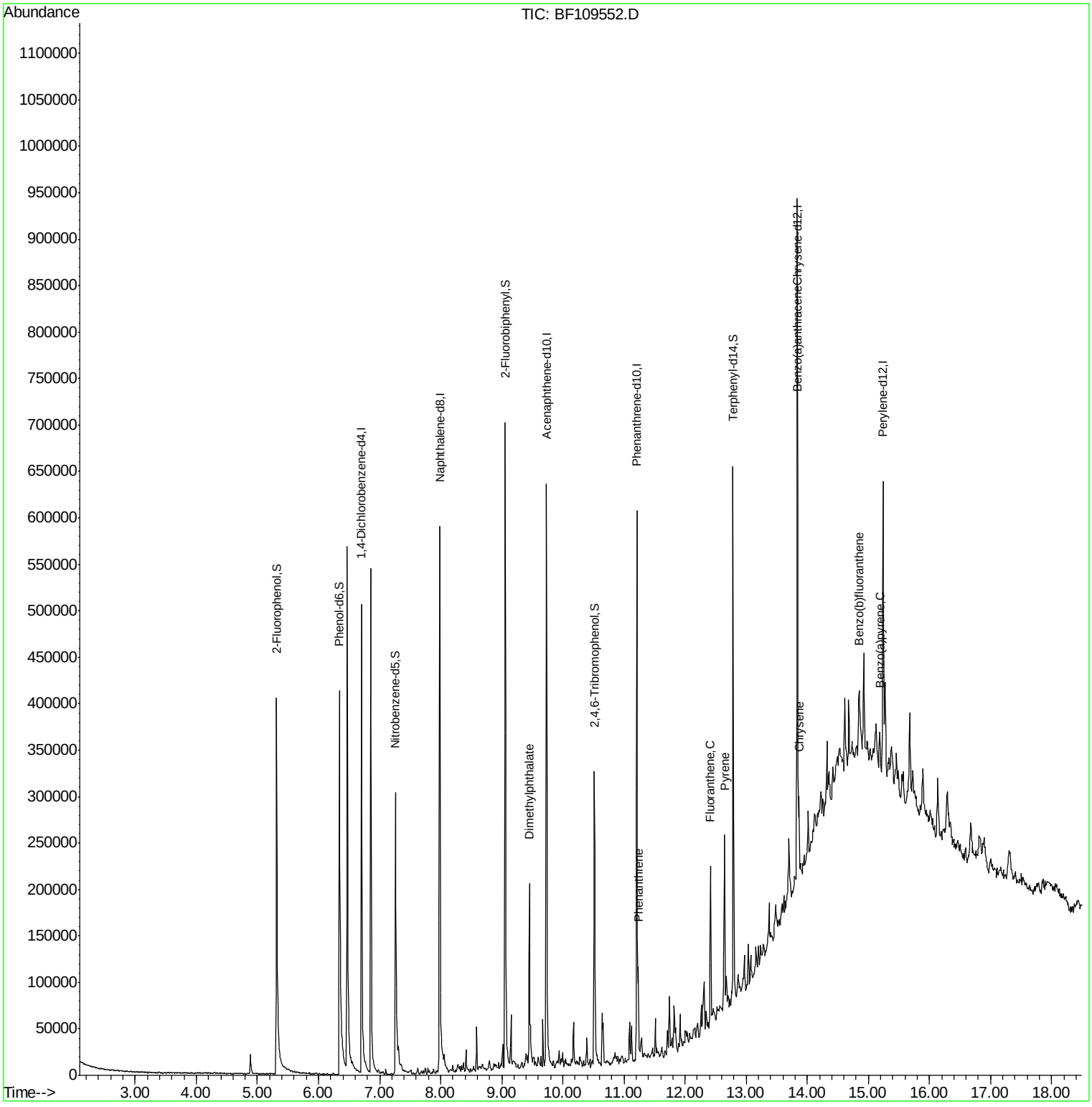
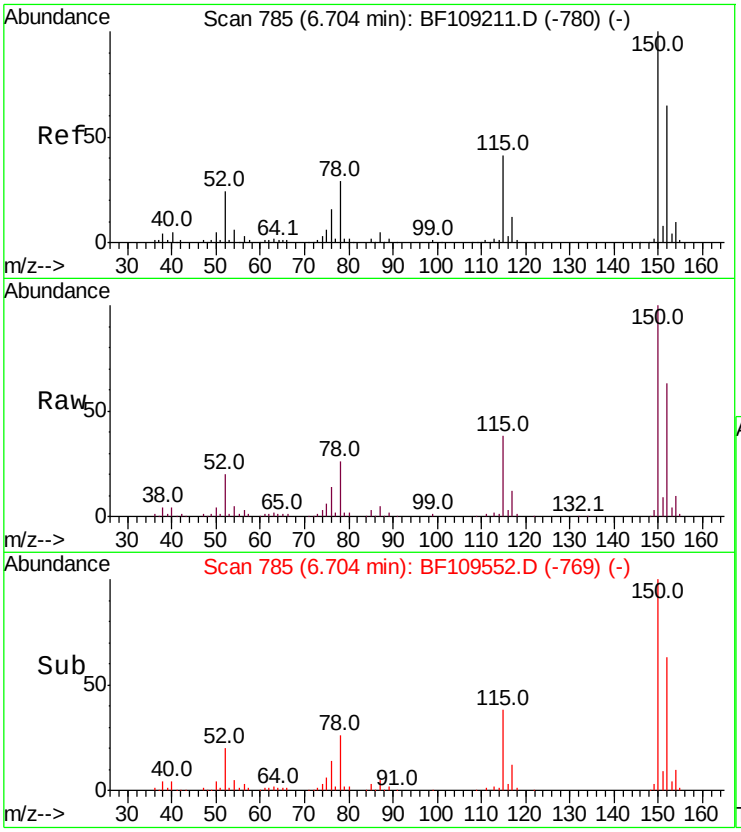
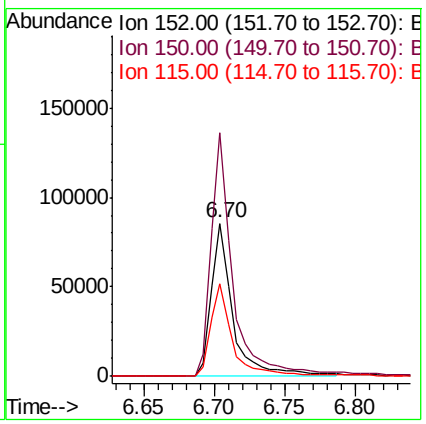




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:152 Resp: 91725

Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	60.7	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
CL-01-100218-A

Manual Integrations APPROVED
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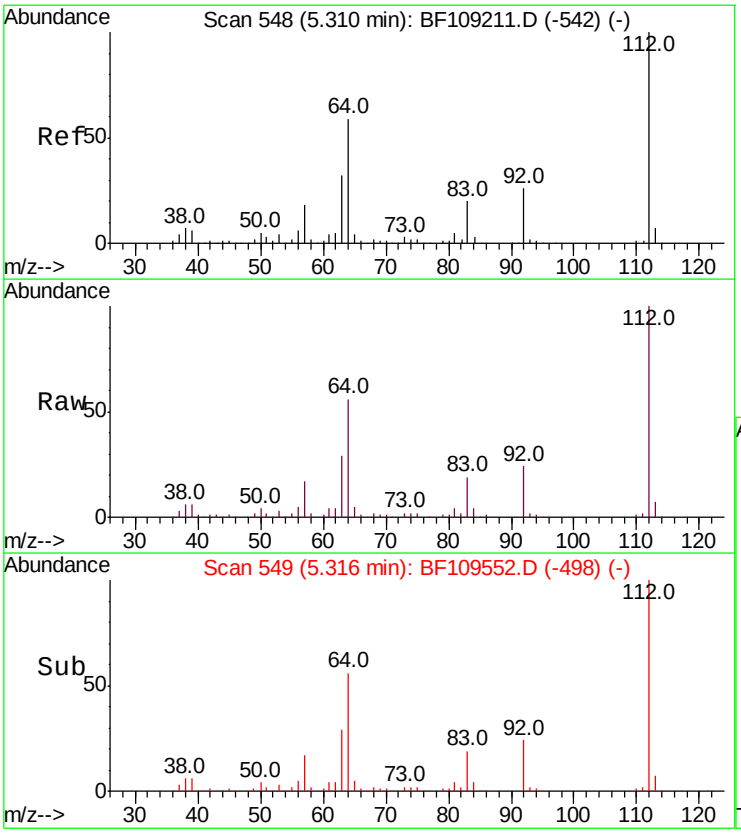
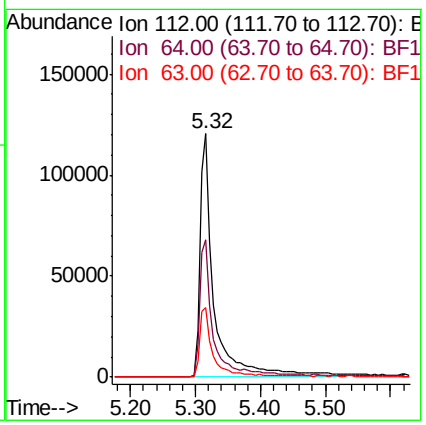
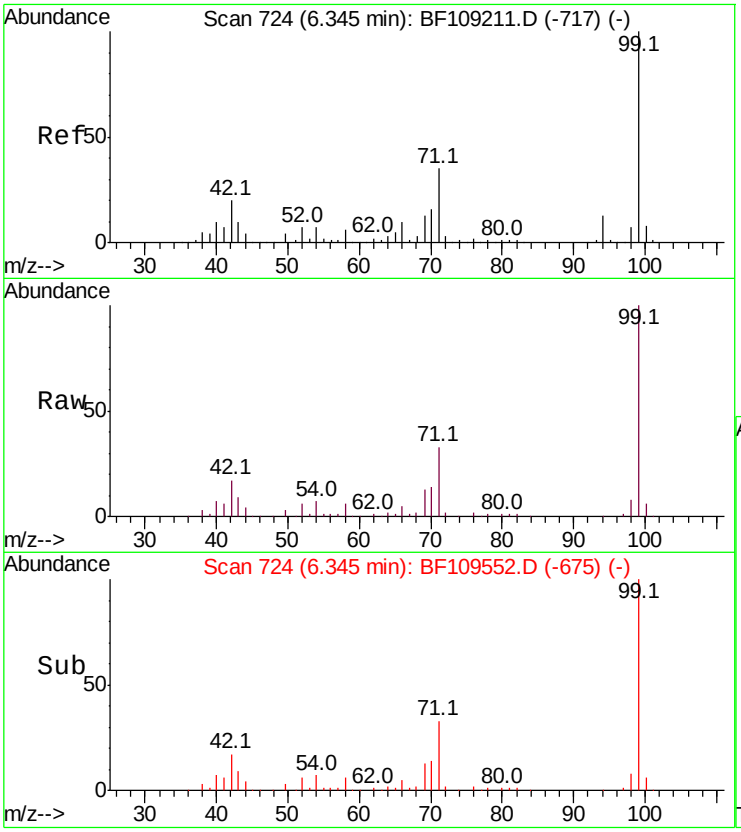


#5
2-Fluorophenol
Concen: 32.338 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:112 Resp: 180091

Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	28.7	23.7	35.5

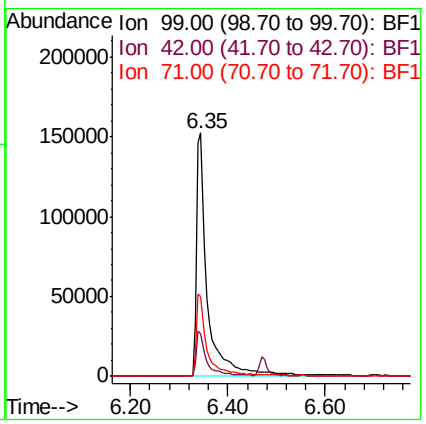




#7
Phenol-d6
Concen: 33.814 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion: 99 Resp: 240286

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.5	21.7
71	32.9	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
CL-01-100218-A

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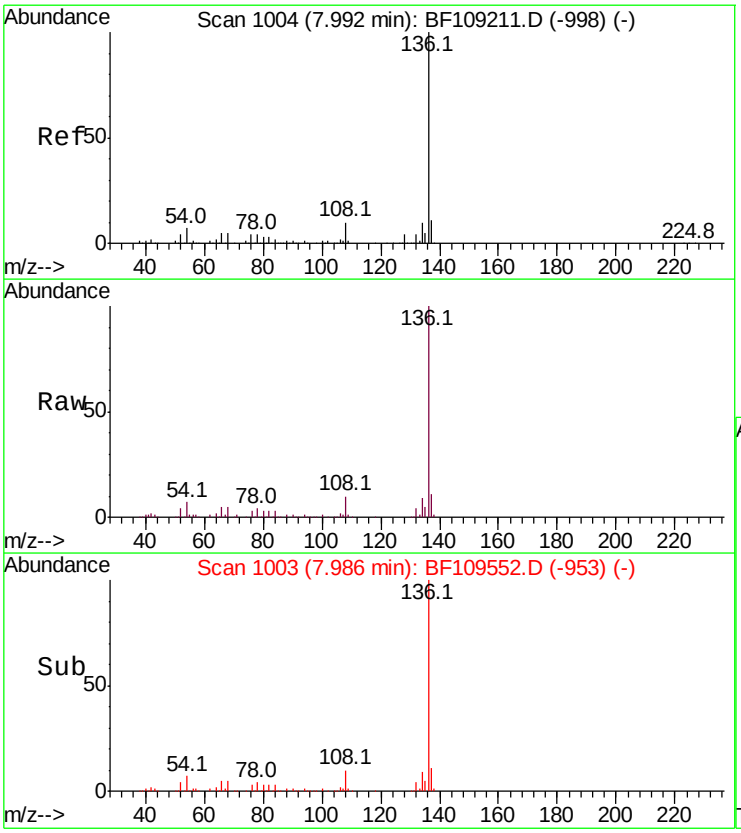
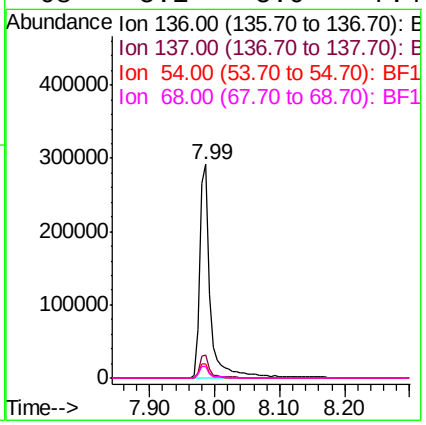
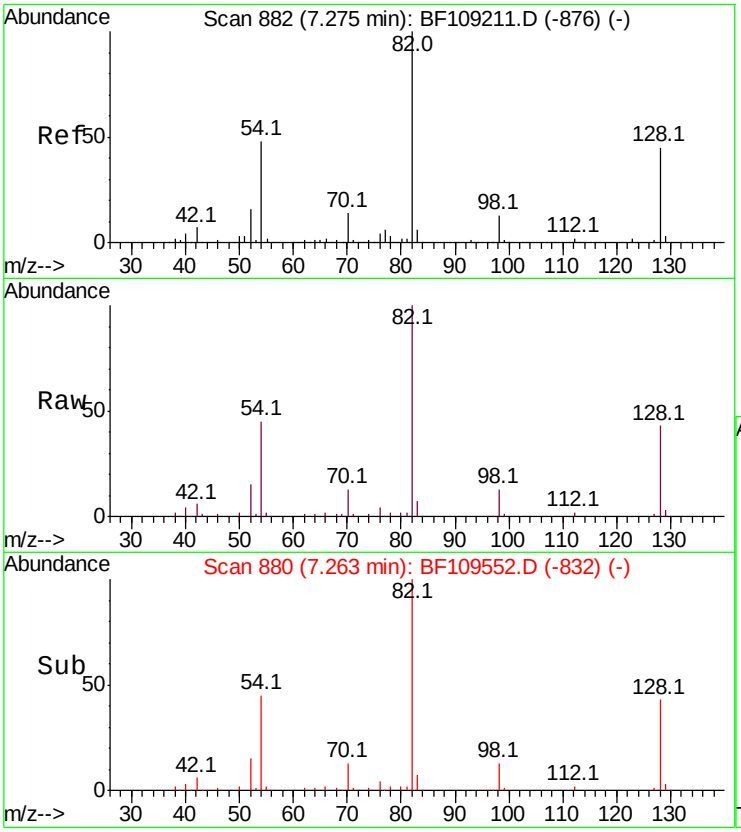


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:136 Resp: 330429

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.7	6.6	9.8
68	5.1	5.0	7.4

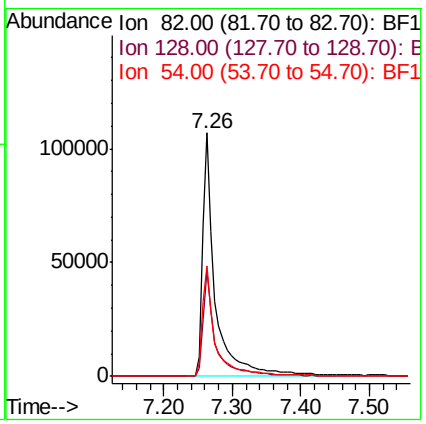




#23
Nitrobenzene-d5
Concen: 25.404 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion: 82 Resp: 142201

Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.1	54.1
54	45.4	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
CL-01-100218-A

Manual Integrations APPROVED
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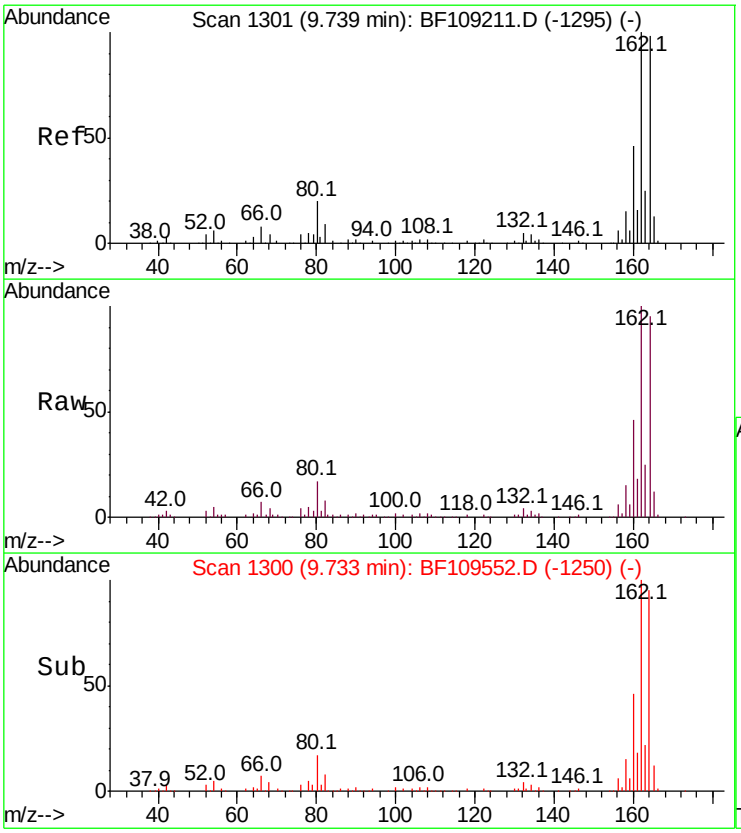
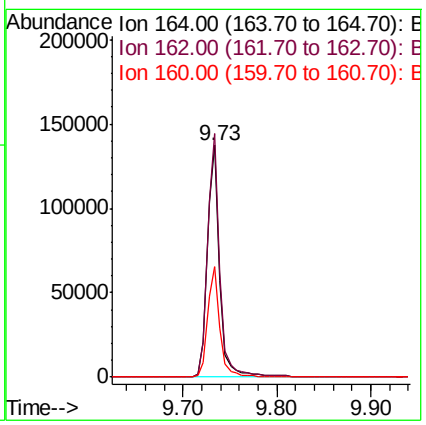
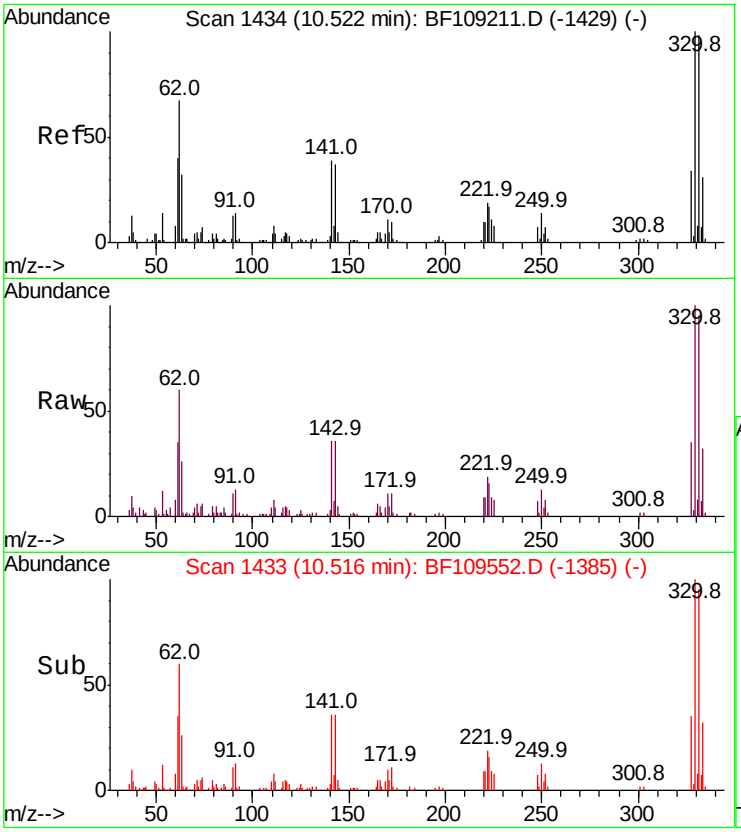


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:164 Resp: 127065

Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	47.9	38.3	57.5

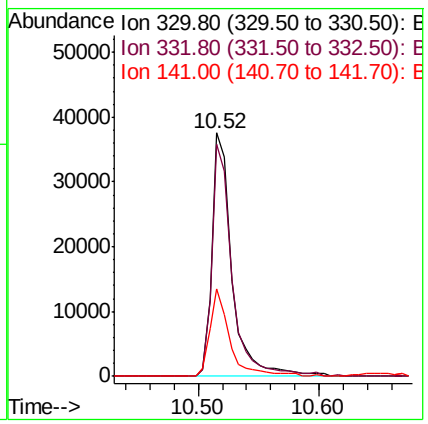




#41
2,4,6-Tribromophenol
Concen: 34.064 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.02 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:330 Resp: 42669

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	36.1	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
CL-01-100218-A

Manual Integrations APPROVED
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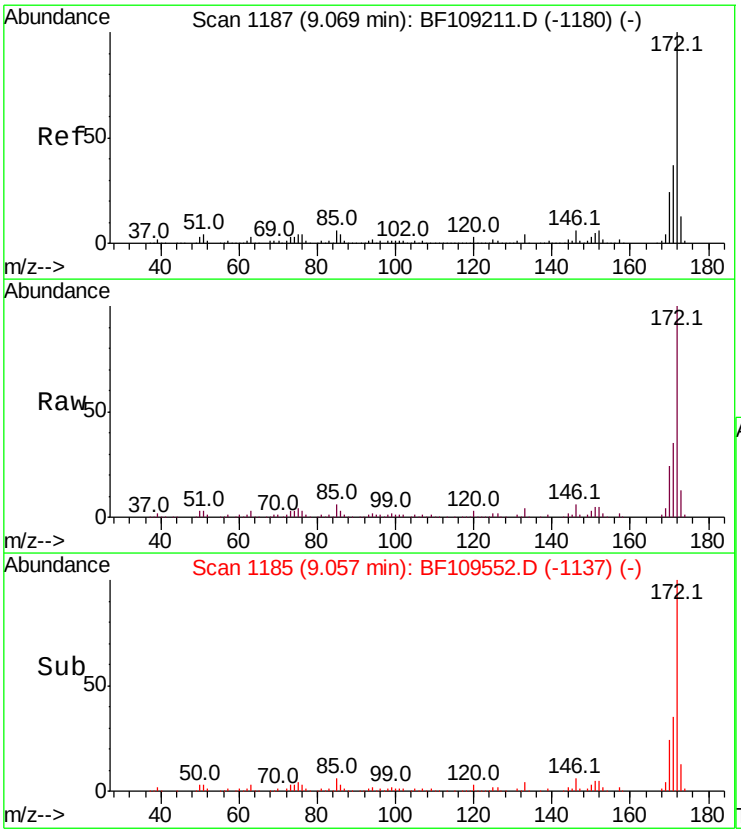
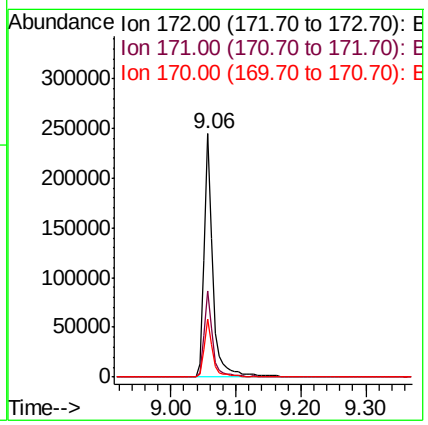
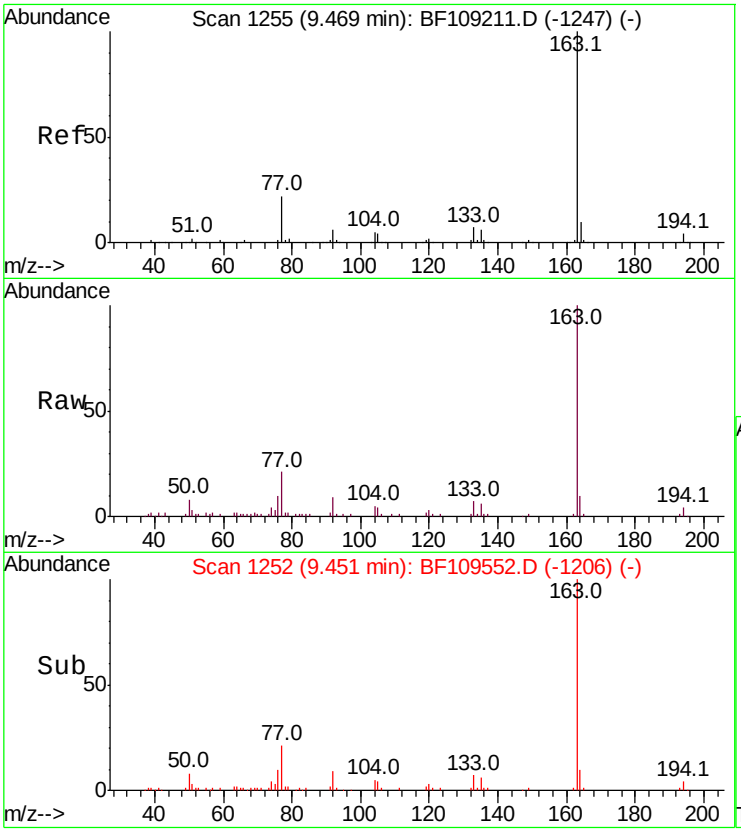


#44
2-Fluorobiphenyl
Concen: 27.375 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:172 Resp: 230633

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.8	19.6	29.4

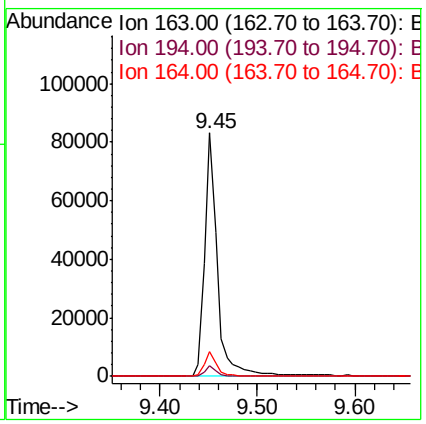




#49
Dimethylphthalate
Concen: 8.217 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:163 Resp: 75939

Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	10.4	8.2	12.2



Instrument :
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ClientSampleId :
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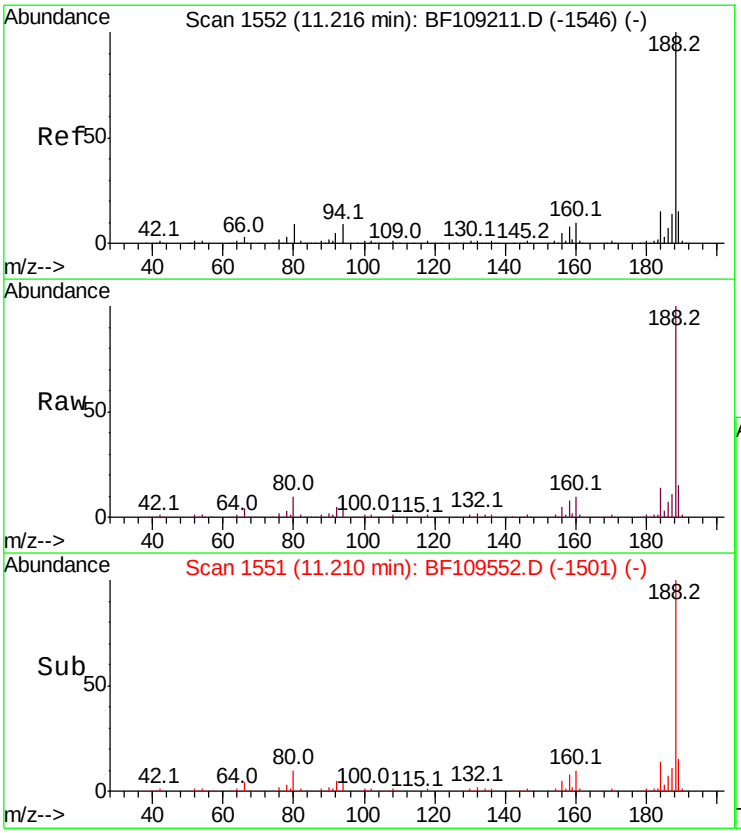
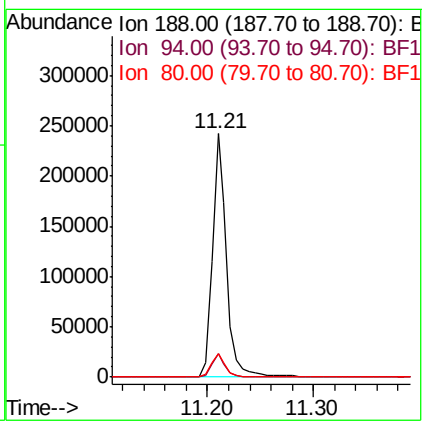
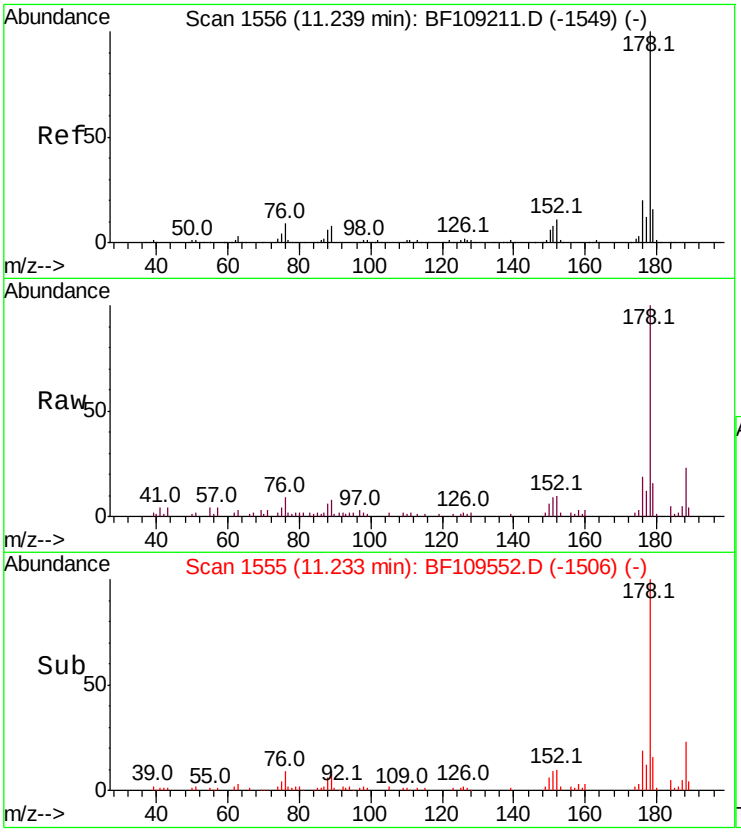


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:188 Resp: 227949

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	9.7	9.2	13.8

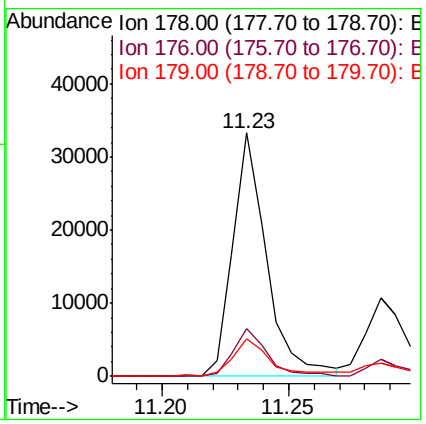




#70
Phenanthrene
Concen: 2.709 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:178 Resp: 30833

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.5	13.0	19.6



Instrument :
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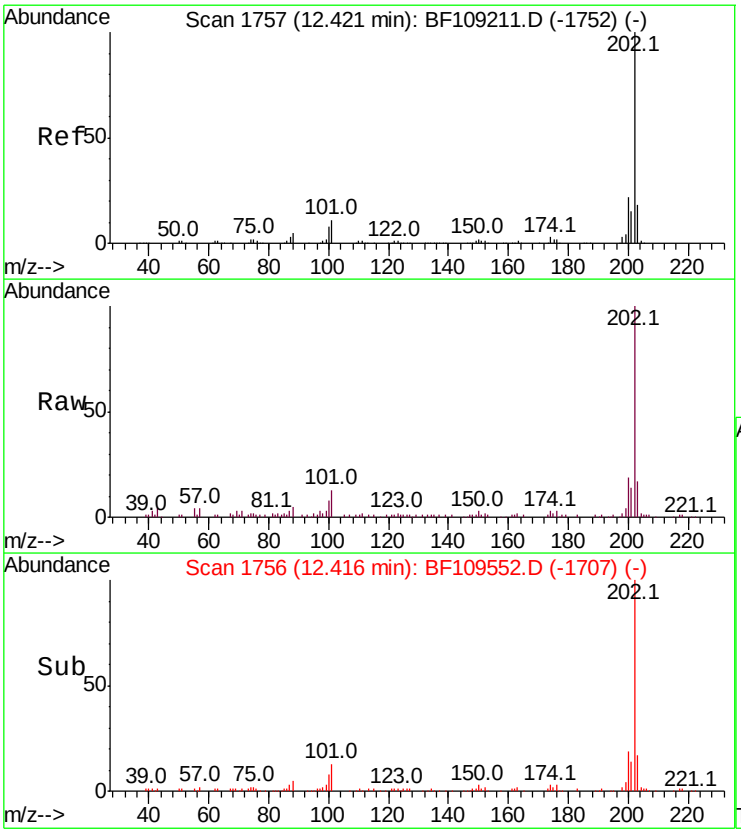
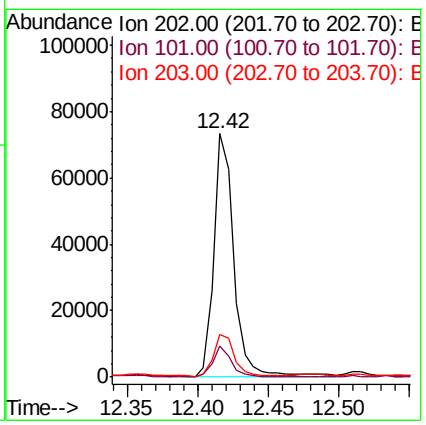
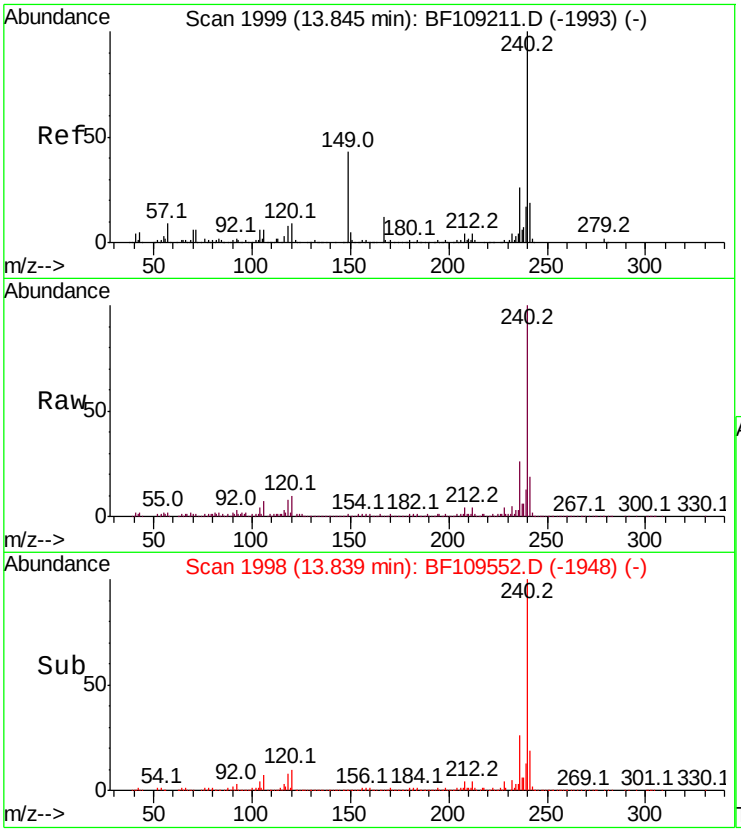


#74
Fluoranthene
Concen: 5.811 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:202 Resp: 70683

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	17.4	0.0	38.1

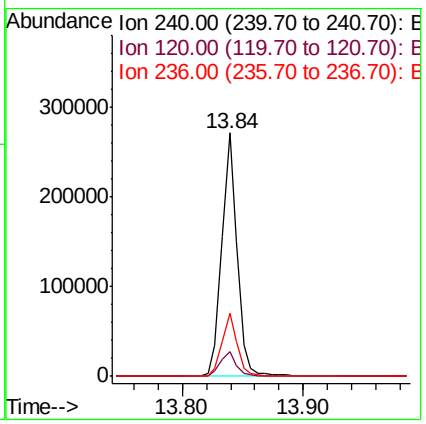




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:240 Resp: 235809

Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.5	14.3
236	25.9	20.7	31.1



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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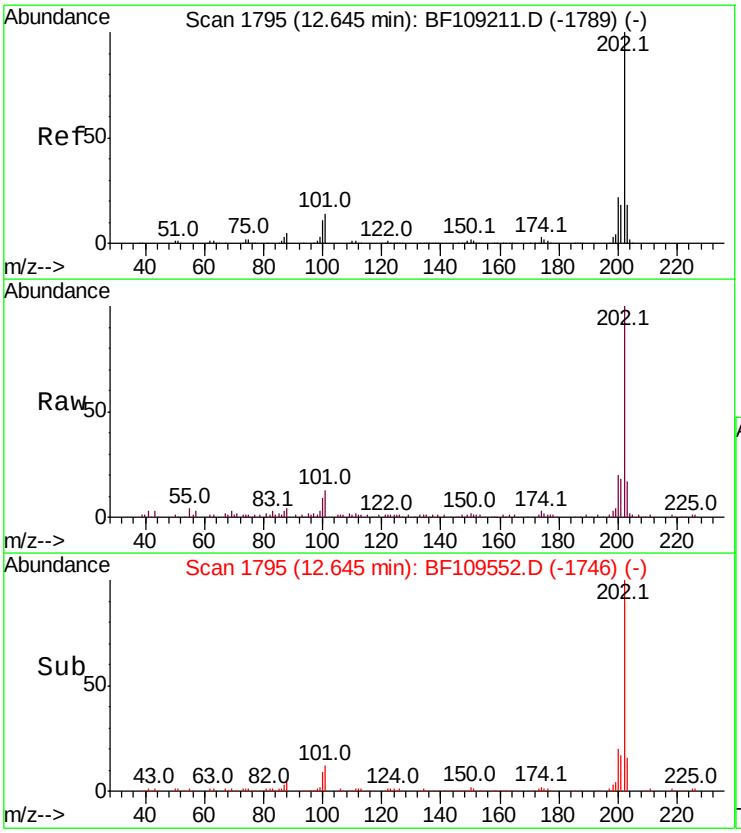
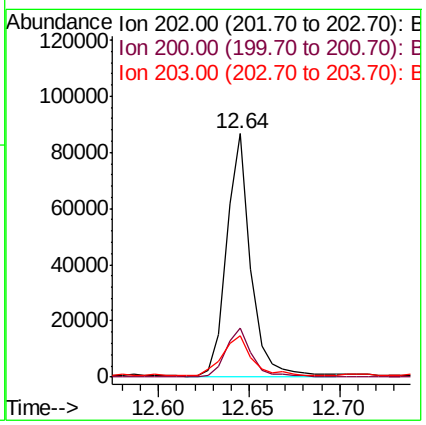
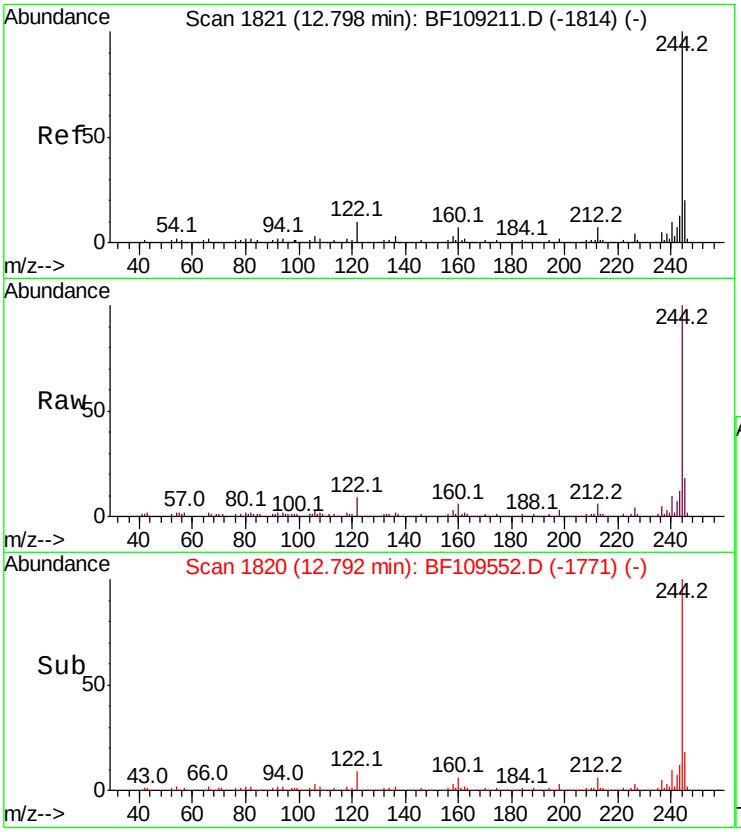


#77
Pyrene
Concen: 4.800 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:202 Resp: 81124

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	17.0	14.3	21.5

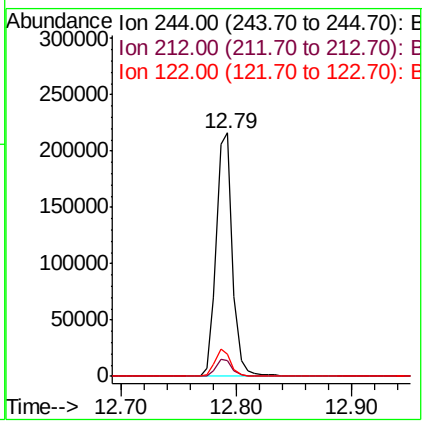




#78
Terphenyl-d14
Concen: 22.089 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

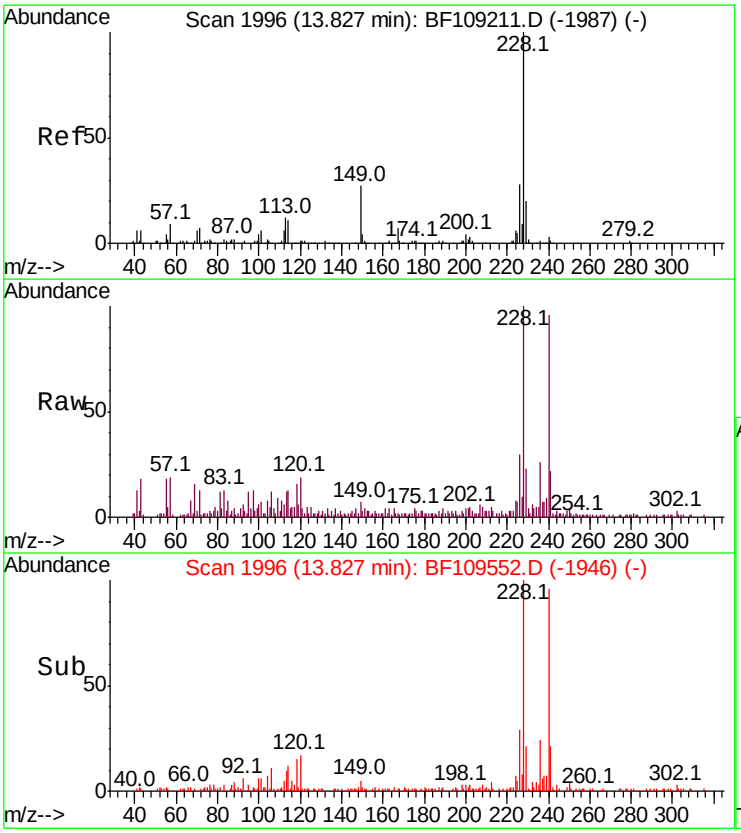
Tgt Ion:244 Resp: 212241

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.1	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
CL-01-100218-A

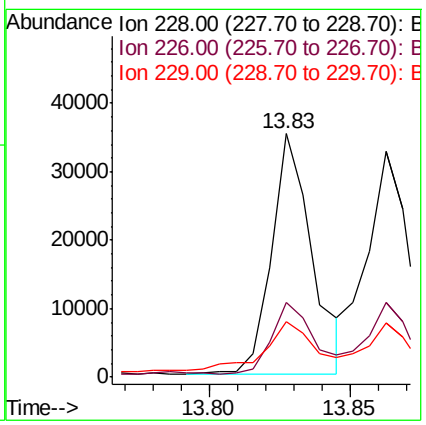
Manual Integrations APPROVED
Sohil
10/4/2018 11:44:11 AM

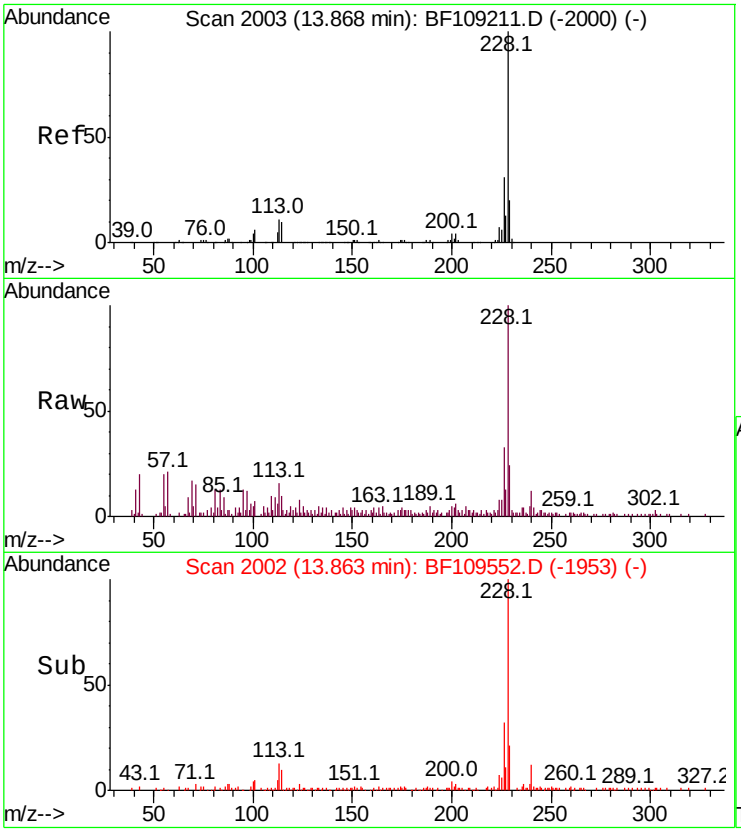


#80
Benzo(a)anthracene
Concen: 2.468 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:228 Resp: 35061

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	22.8	15.8	23.6

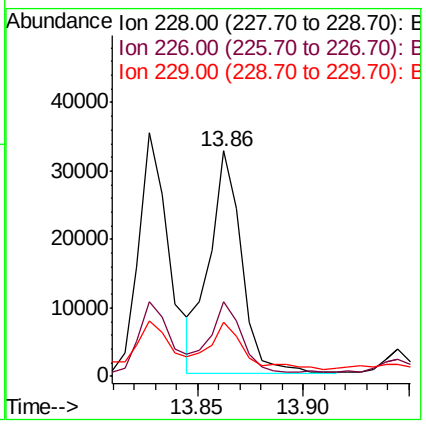




#82
Chrysene
Concen: 2.461 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

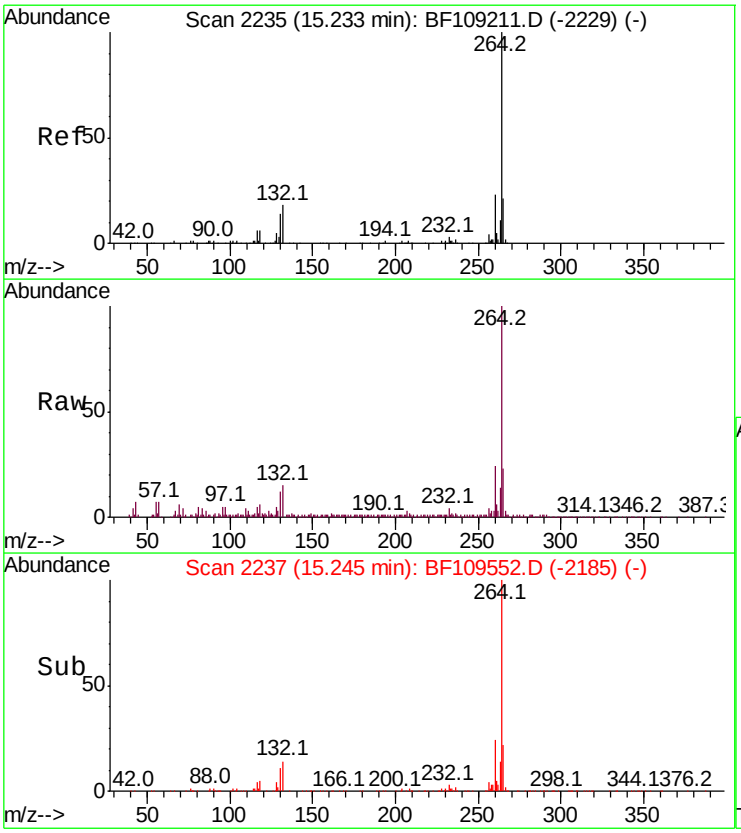
Tgt Ion:228 Resp: 34643

Ion	Ratio	Lower	Upper
228	100		
226	33.2	25.0	37.6
229	24.1	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
CL-01-100218-A

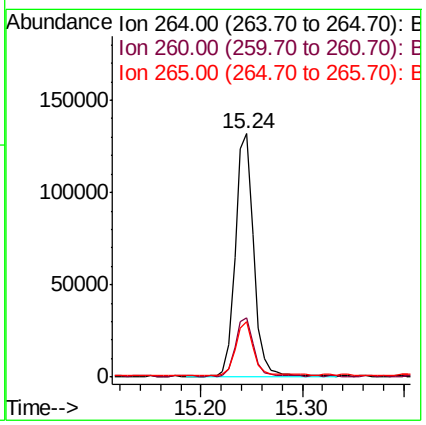
Manual Integrations APPROVED
Sohil
10/4/2018 11:44:11 AM

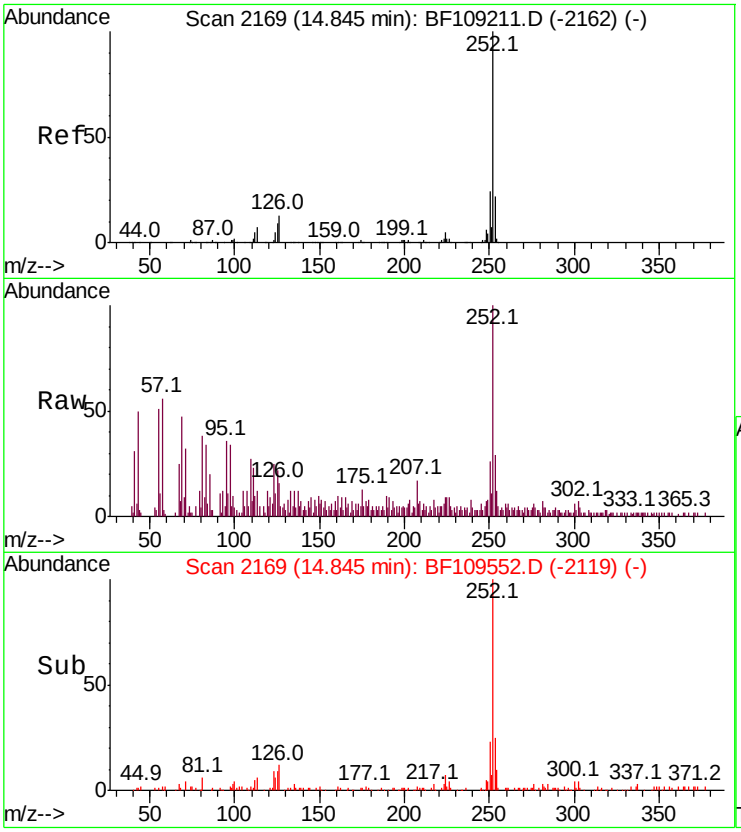


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:264 Resp: 162992

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	23.0	17.5	26.3

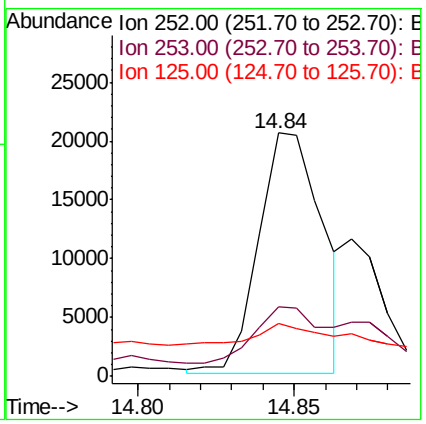




#87
Benzo(b)fluoranthene
Concen: 3.243 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

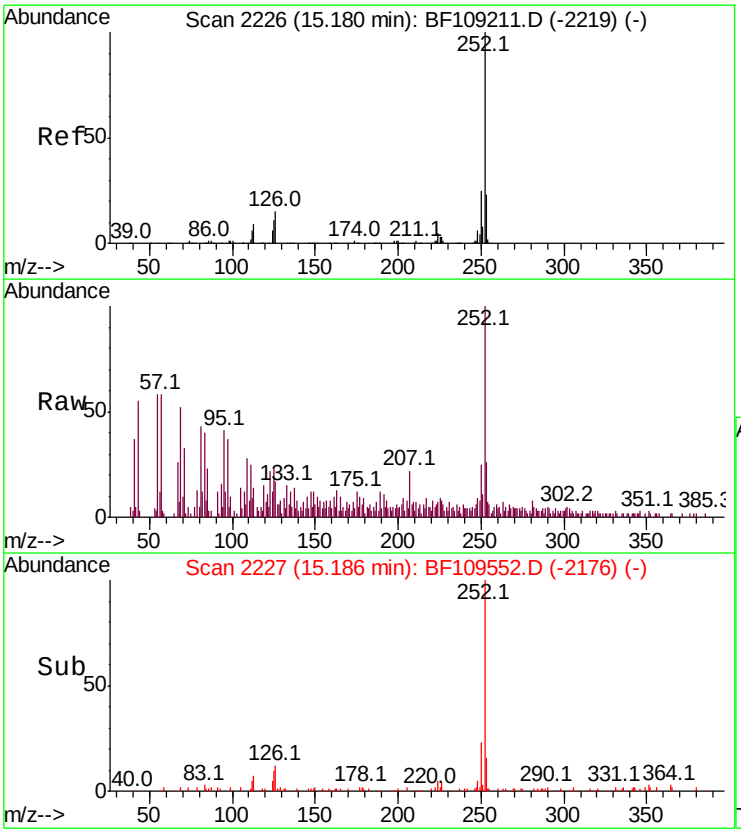
Tgt Ion:252 Resp: 29044

Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.0	25.6#
125	21.5	9.0	13.6#



Instrument :
BNA_F
ClientSampleId :
CL-01-100218-A

Manual Integrations APPROVED
Sohil
10/4/2018 11:44:11 AM



#89
Benzo(a)pyrene
Concen: 2.406 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:252 Resp: 19421

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.1	25.7#
125	23.2	9.8	14.6#