Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108256.D
Acq On : 17 Aug 2018 21:14
Operator : JU/SJ
Sample : J4498-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Manual Integrations APPROVED
Sohil
8/20/2018 12:48:34 PM

Quant Time: Aug 20 11:47:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	173510	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	654654	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	307331	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	489379	20.00	ng	0.00
75) Chrysene-d12	14.21	240	422489	20.00	ng	0.00
86) Perylene-d12	15.77	264	306663	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1011720	105.57	ng	0.02
7) Phenol-d6	6.64	99	1378821	108.27	ng	0.00
23) Nitrobenzene-d5	7.58	82	916482	78.12	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	297911	97.18	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1584634	82.78	ng	0.00
78) Terphenyl-d14	13.14	244	1252889	75.40	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.76	163	136377	6.370	ng	100
70) Phenanthrene	11.58	178	122859	5.323	ng	99
74) Fluoranthene	12.78	202	202020	8.019	ng	93
77) Pyrene	13.01	202	184386	6.893	ng	99
80) Benzo(a)anthracene	14.20	228	99784	4.115	ng	97
82) Chrysene	14.24	228	97712	4.396	ng	96
87) Benzo(b)fluoranthene	15.30	252	105651m	5.766	ng	
88) Benzo(k)fluoranthene	15.32	252	38261m	2.271	ng	
89) Benzo(a)pyrene	15.70	252	65014	3.962	ng	97
91) Benzo(g,h,i)perylene	17.88	276	31775	2.377	ng	95

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

Quantitation Report (QT/LSC Reviewed)

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Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Manual Integrations APPROVED
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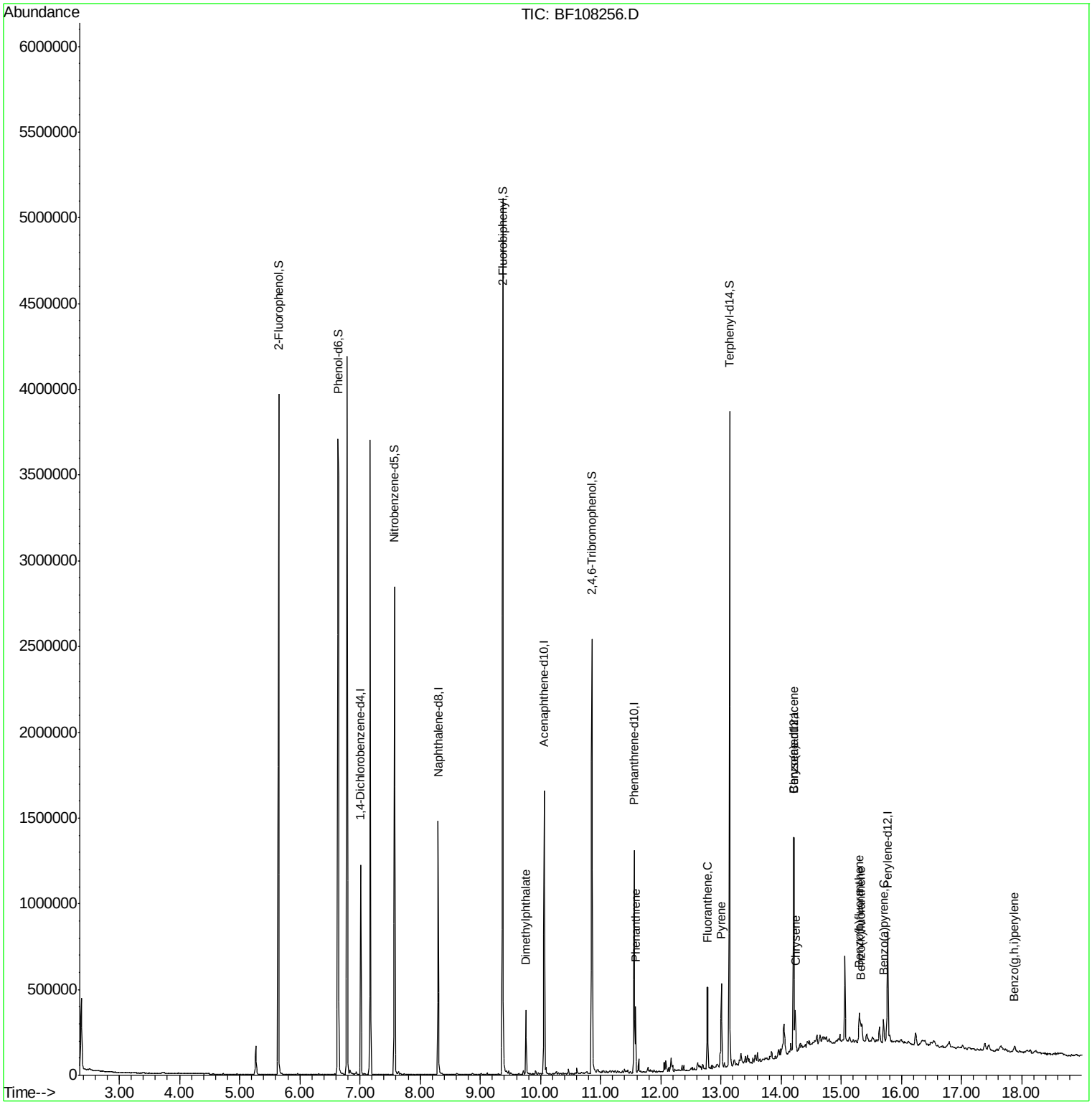
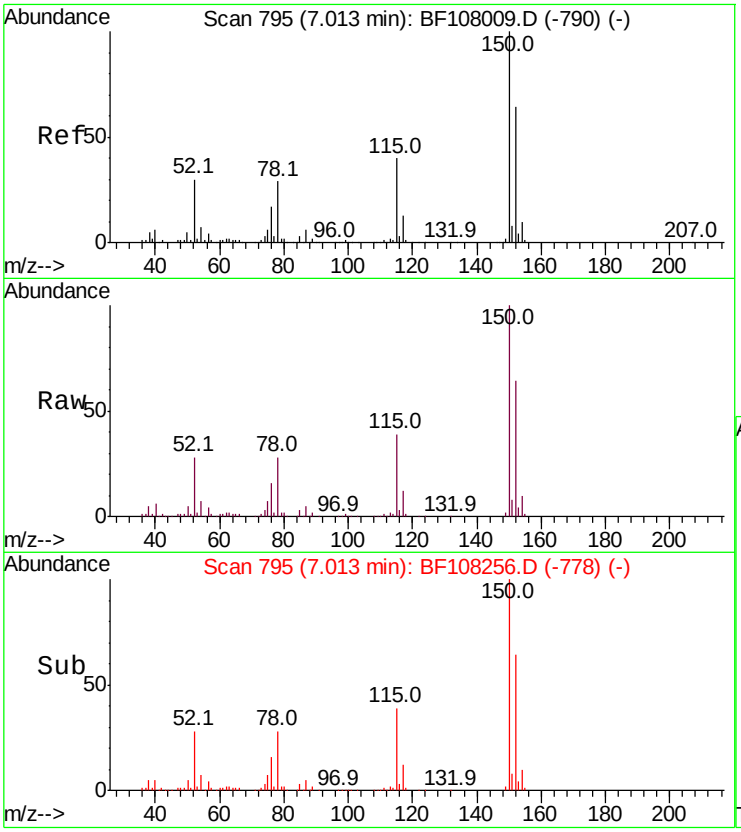
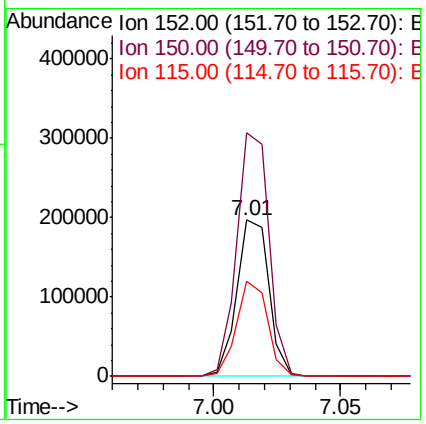




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:152 Resp: 173510

Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	60.9	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Manual Integrations APPROVED
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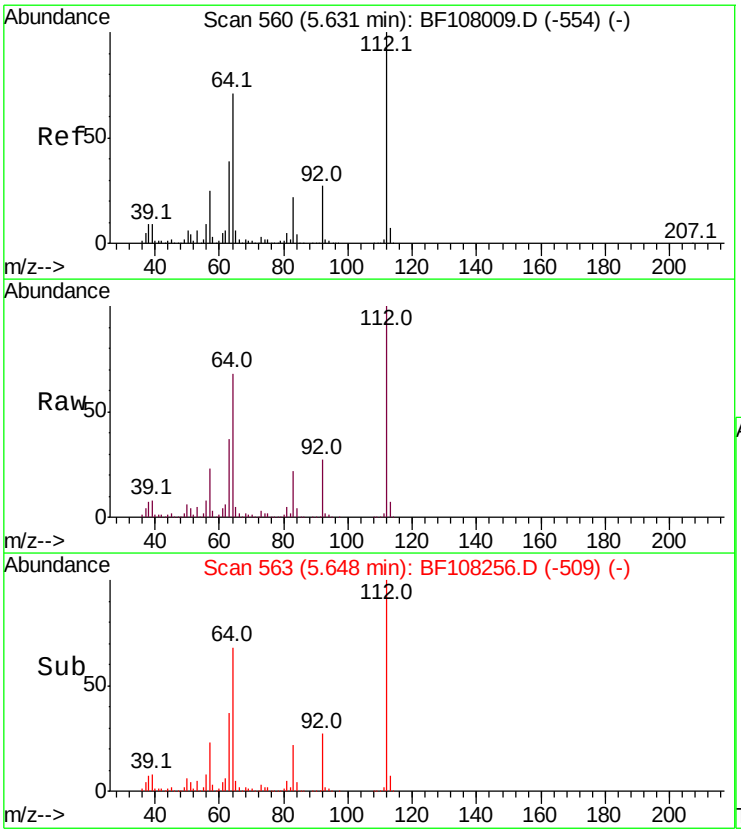
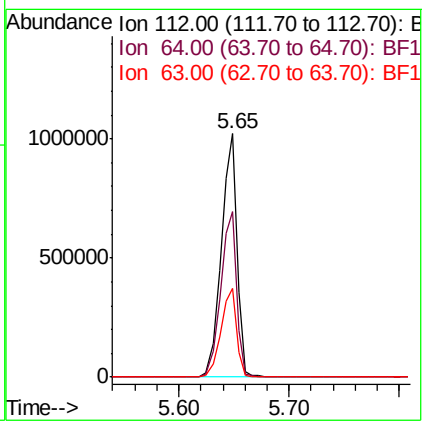
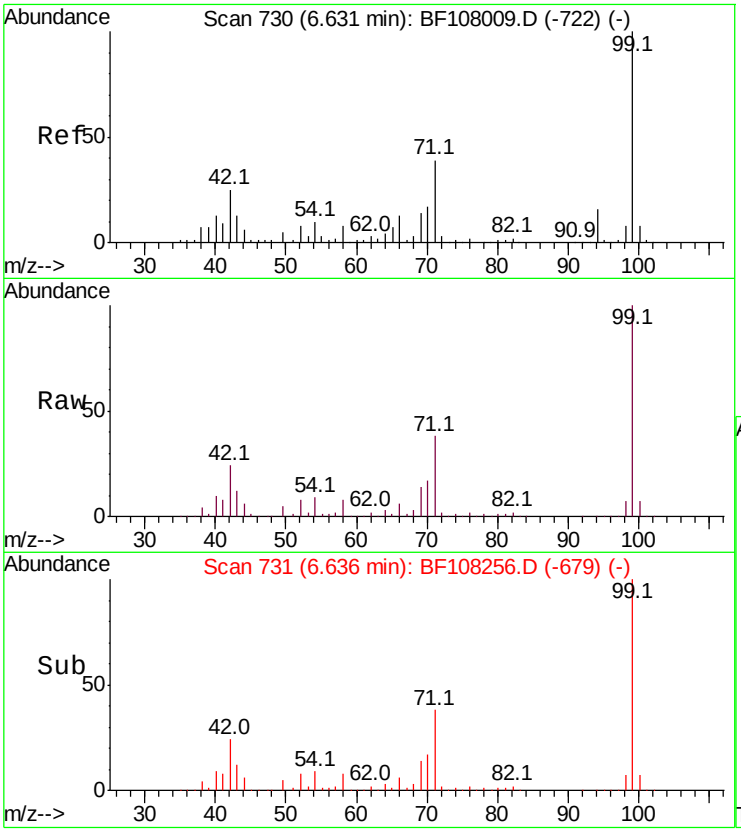


#5
2-Fluorophenol
Concen: 105.566 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:112 Resp: 1011720

Ion	Ratio	Lower	Upper
112	100		
64	68.2	47.9	71.9
63	36.6	23.7	35.5#

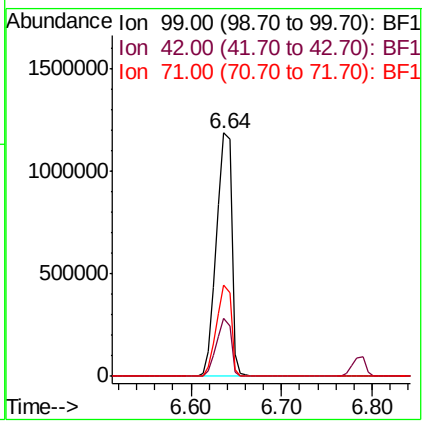




#7
Phenol-d6
Concen: 108.266 ng
RT: 6.64 min Scan# 731
Delta R.T. 0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion: 99 Resp: 1378821

Ion	Ratio	Lower	Upper
99	100		
42	23.7	14.5	21.7#
71	37.7	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

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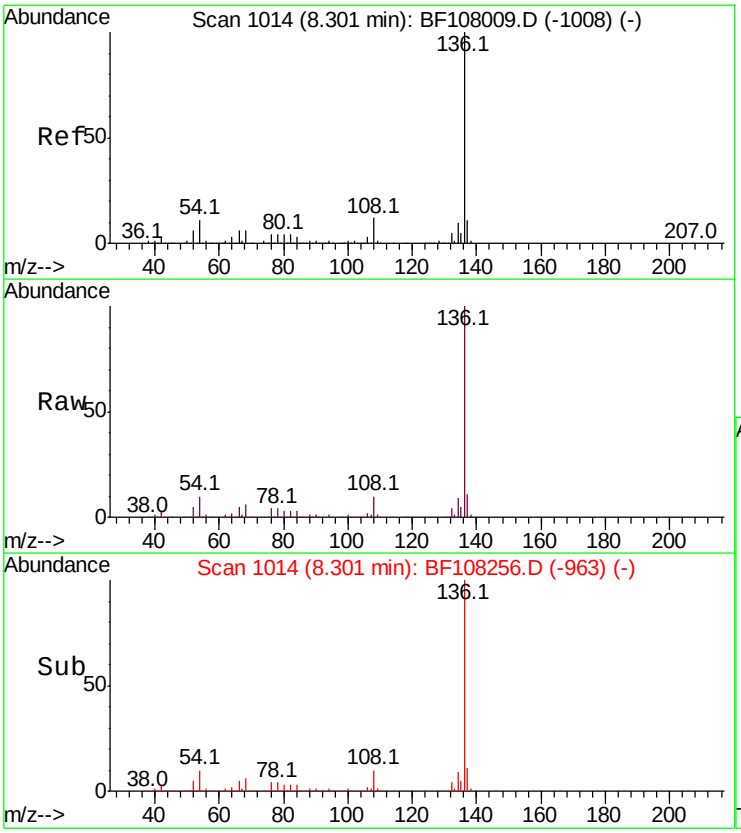
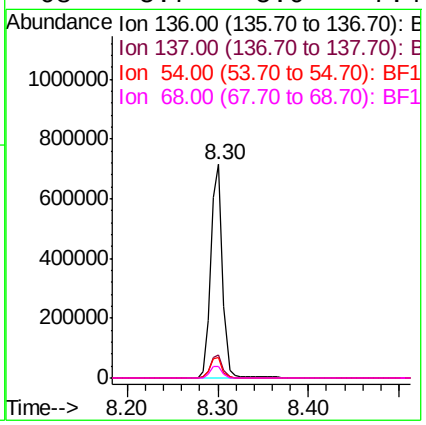
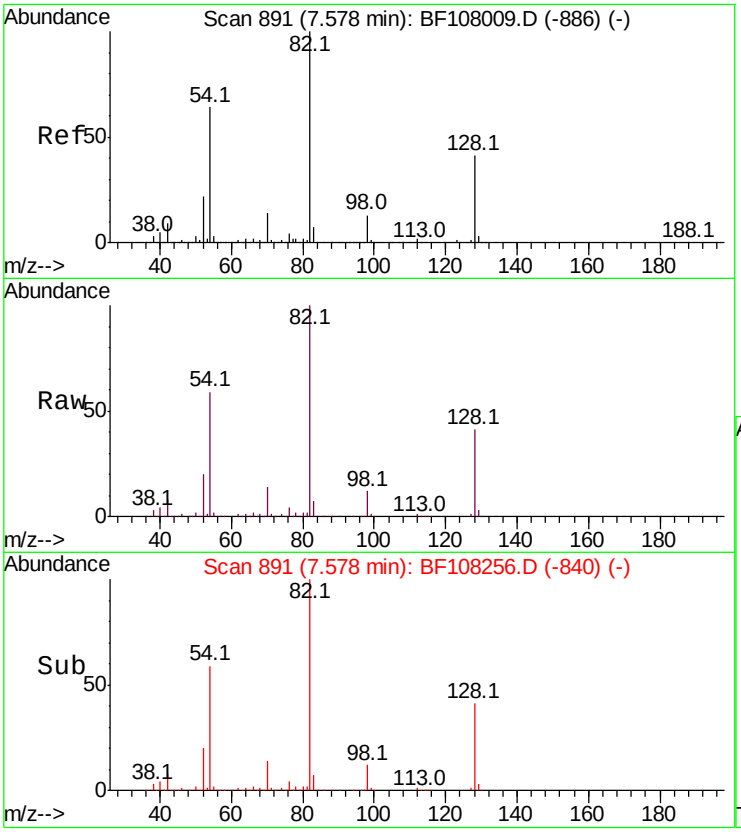


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:136 Resp: 654654

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.5	6.6	9.8
68	5.7	5.0	7.4

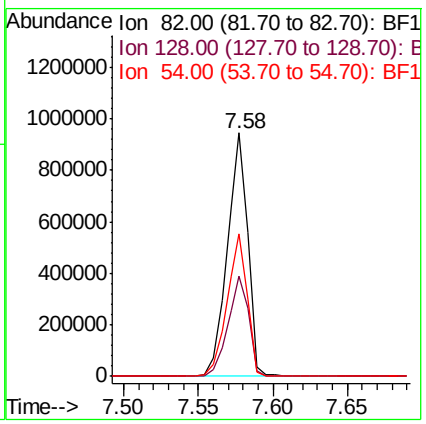




#23
Nitrobenzene-d5
Concen: 78.119 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion: 82 Resp: 916482

Ion	Ratio	Lower	Upper
82	100		
128	41.0	36.1	54.1
54	58.6	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Manual Integrations APPROVED
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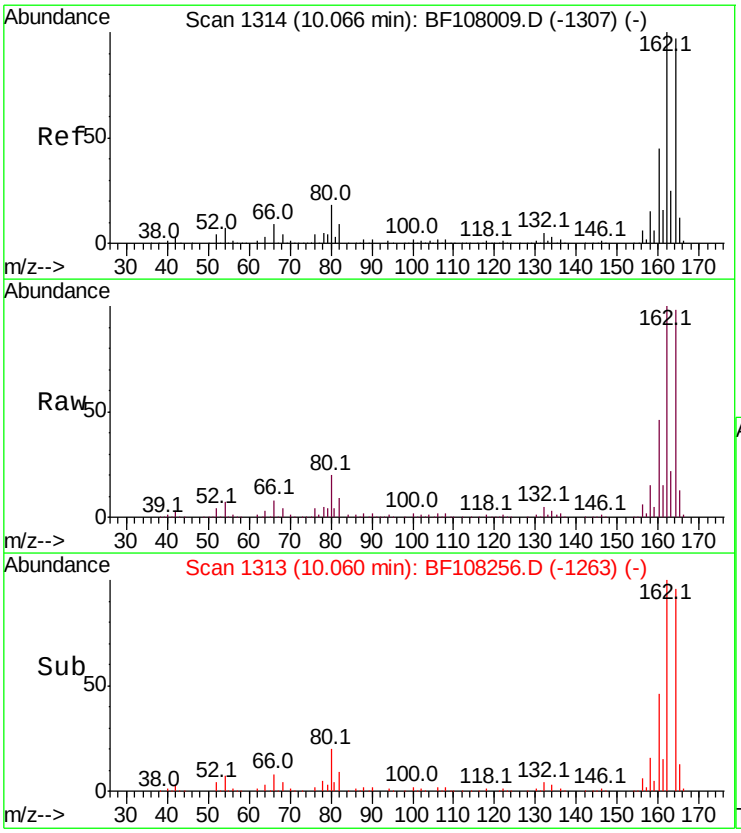
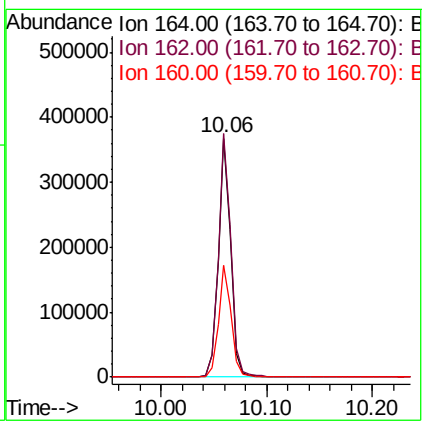
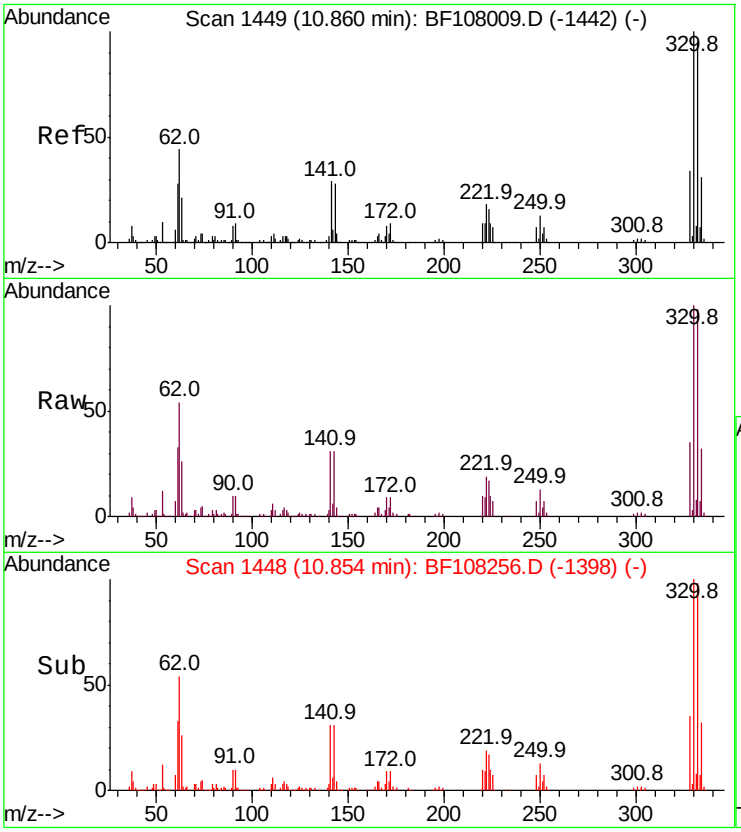


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:164 Resp: 307331

Ion	Ratio	Lower	Upper
164	100		
162	101.9	86.1	129.1
160	46.7	38.3	57.5

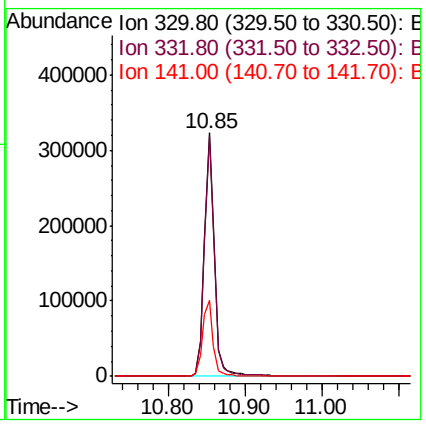




#41
2,4,6-Tribromophenol
Concen: 97.180 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:330 Resp: 297911

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	32.3	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Manual Integrations APPROVED
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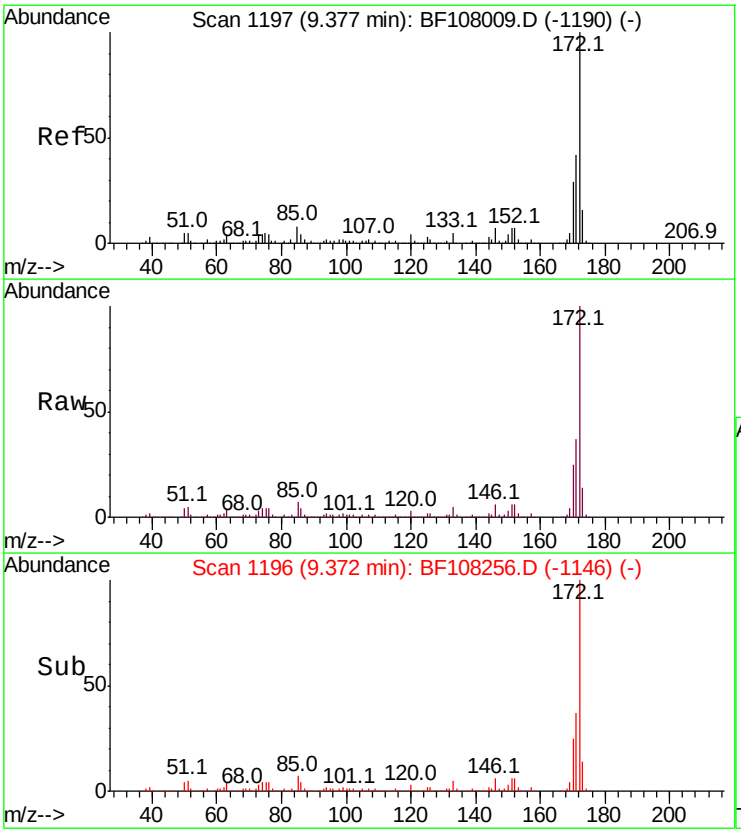
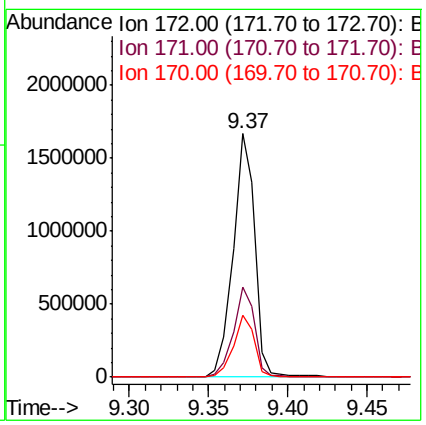
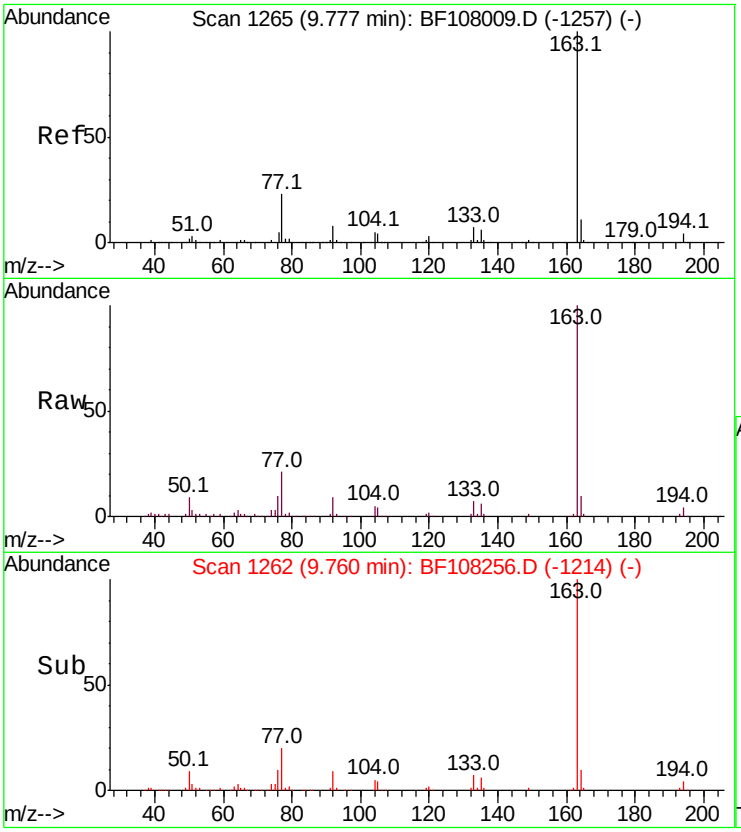


#44
2-Fluorobiphenyl
Concen: 82.780 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:172 Resp: 1584634

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	25.2	19.6	29.4

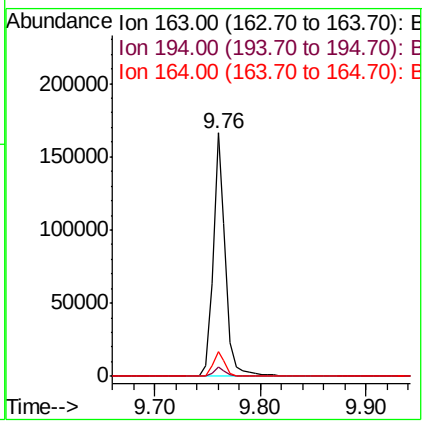




#49
Dimethylphthalate
Concen: 6.370 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:163 Resp: 136377

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.2	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
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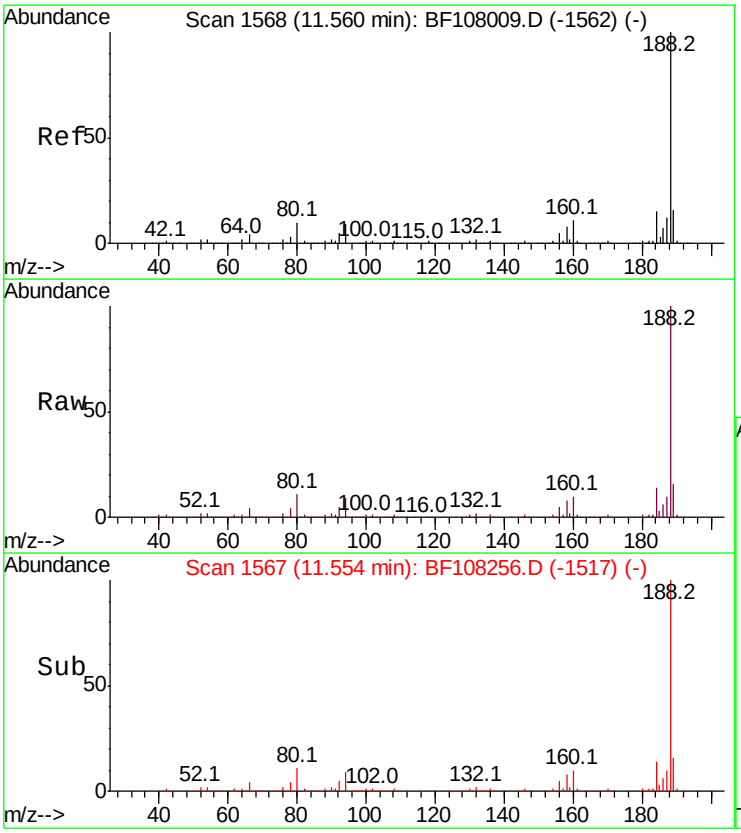
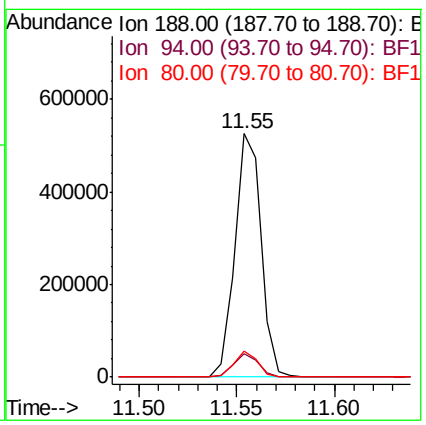
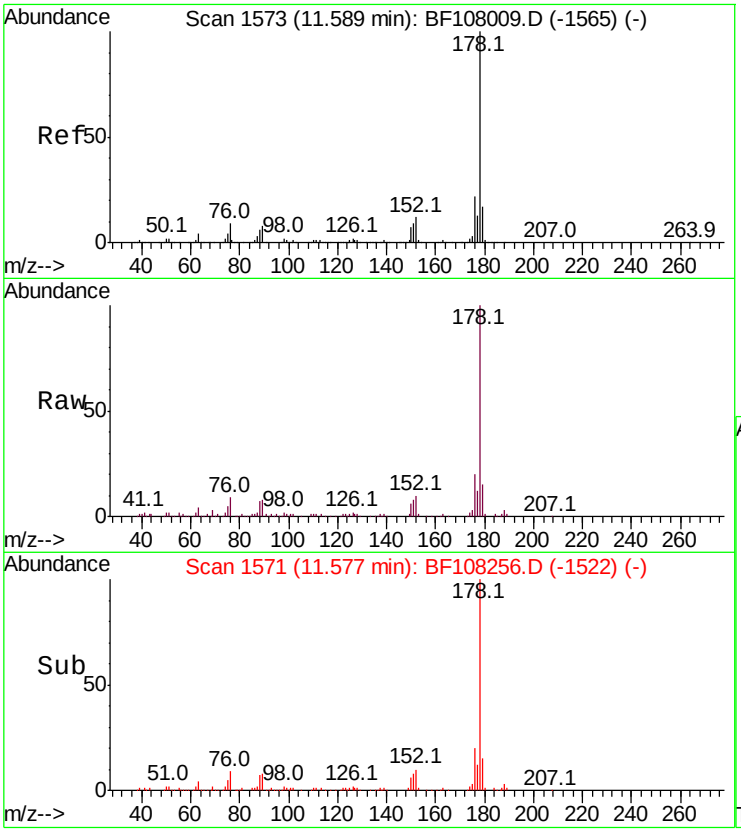


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:188 Resp: 489379

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.5	9.2	13.8

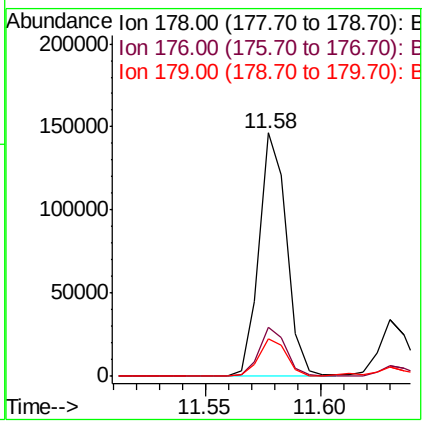




#70
Phenanthrene
Concen: 5.323 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:178 Resp: 122859

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.3	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Manual Integrations APPROVED
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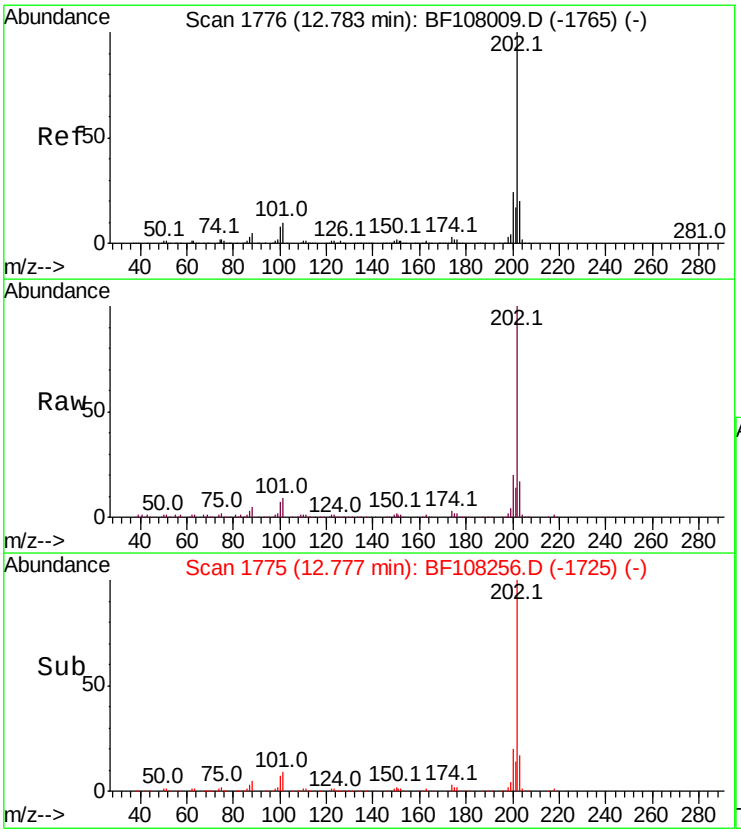
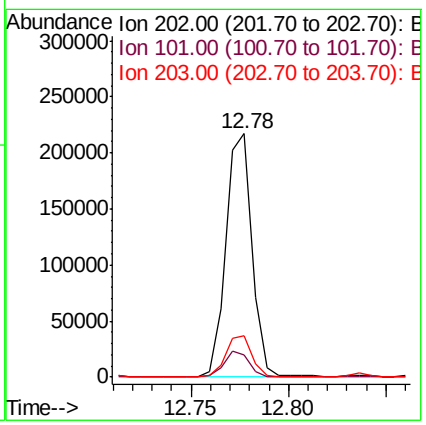
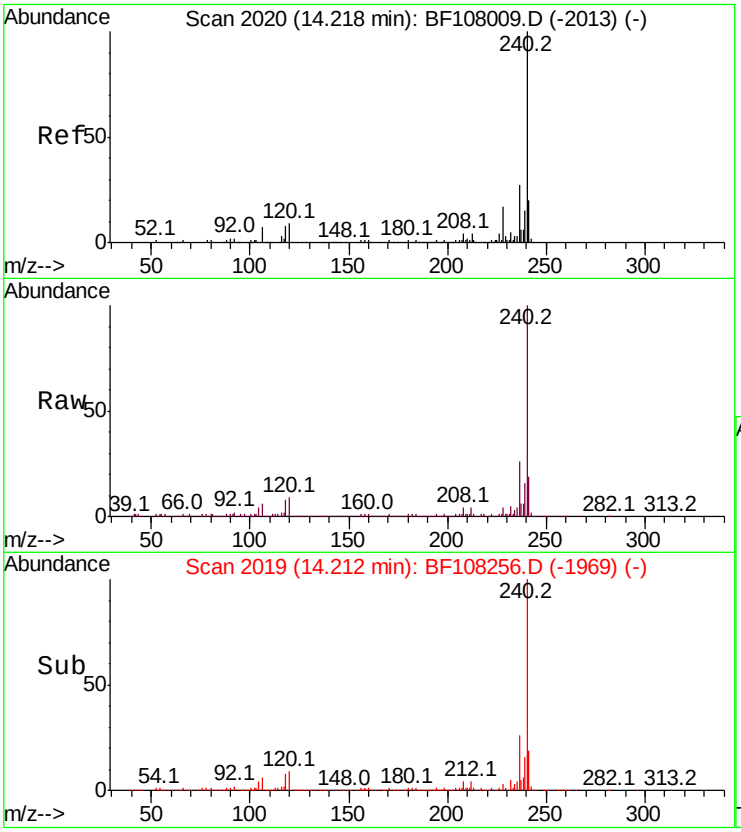


#74
Fluoranthene
Concen: 8.019 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:202 Resp: 202020

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	34.1
203	16.9	0.0	38.1

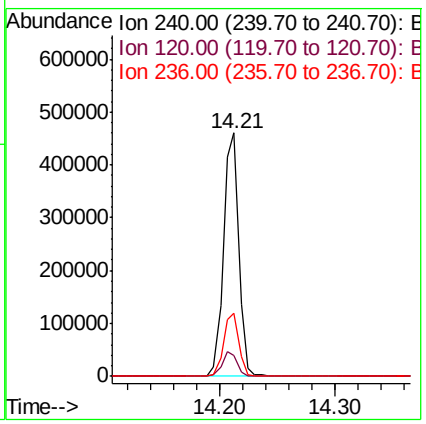




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:240 Resp: 422489

Ion	Ratio	Lower	Upper
240	100		
120	8.5	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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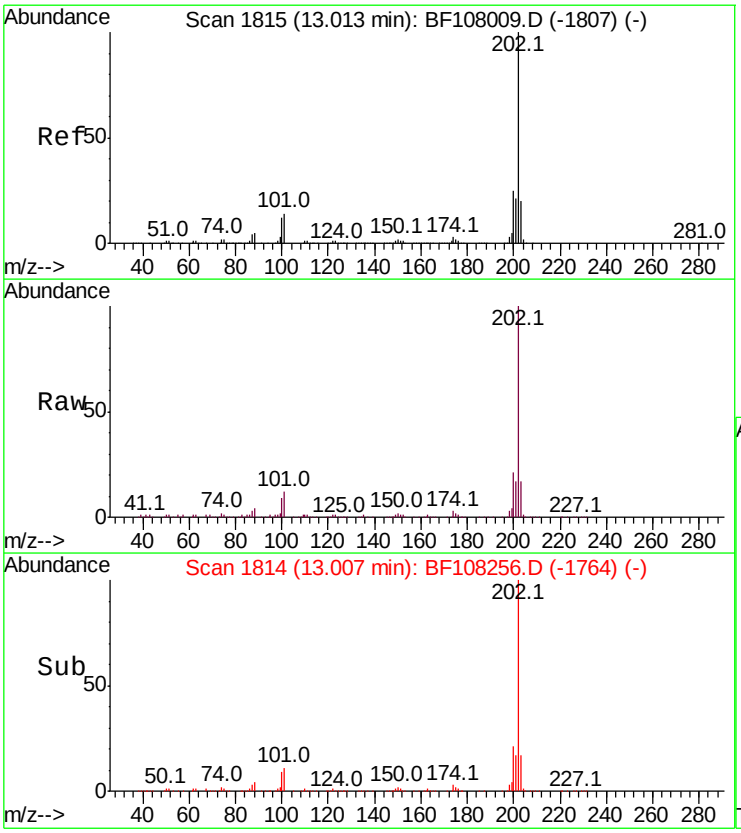
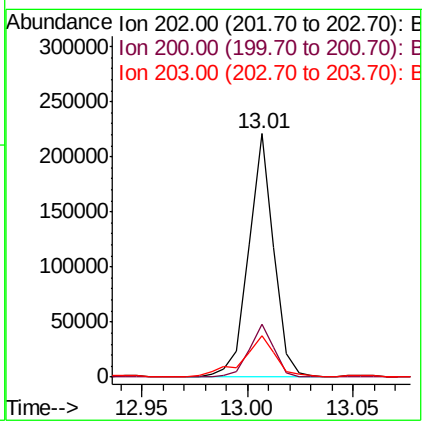
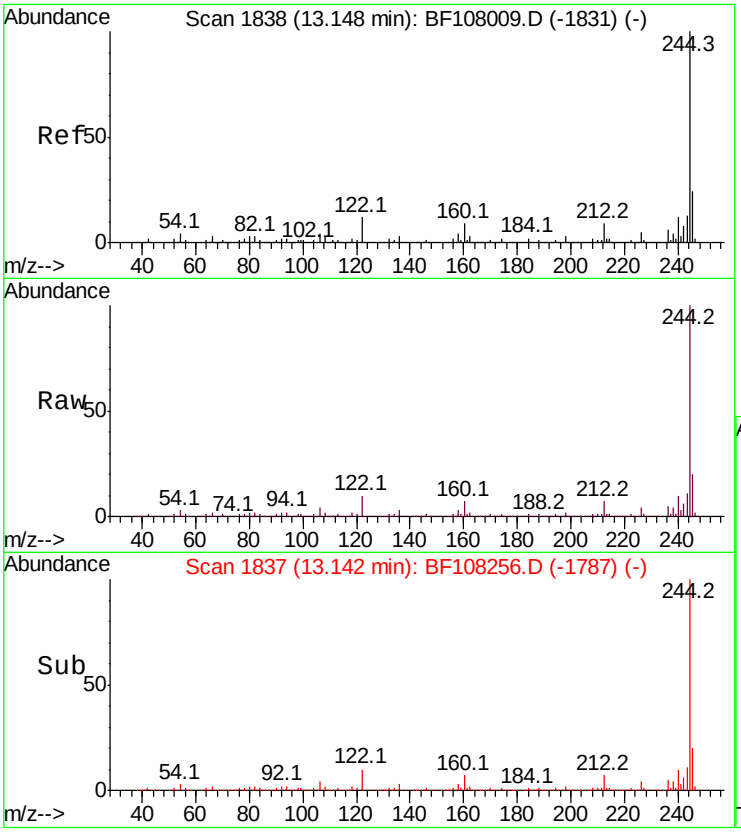


#77
Pyrene
Concen: 6.893 ng
RT: 13.01 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:202 Resp: 184386

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.2	14.3	21.5





#78
Terphenyl-d14
Concen: 75.400 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:244 Resp: 1252889

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.1	11.0	16.4#

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Manual Integrations APPROVED
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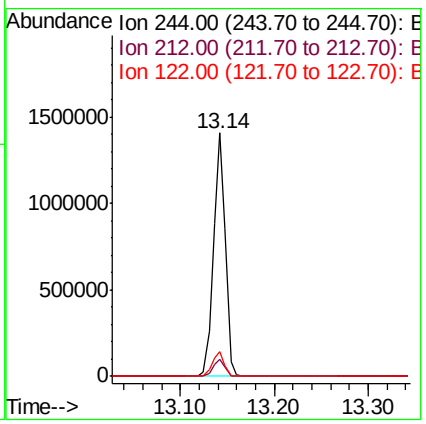
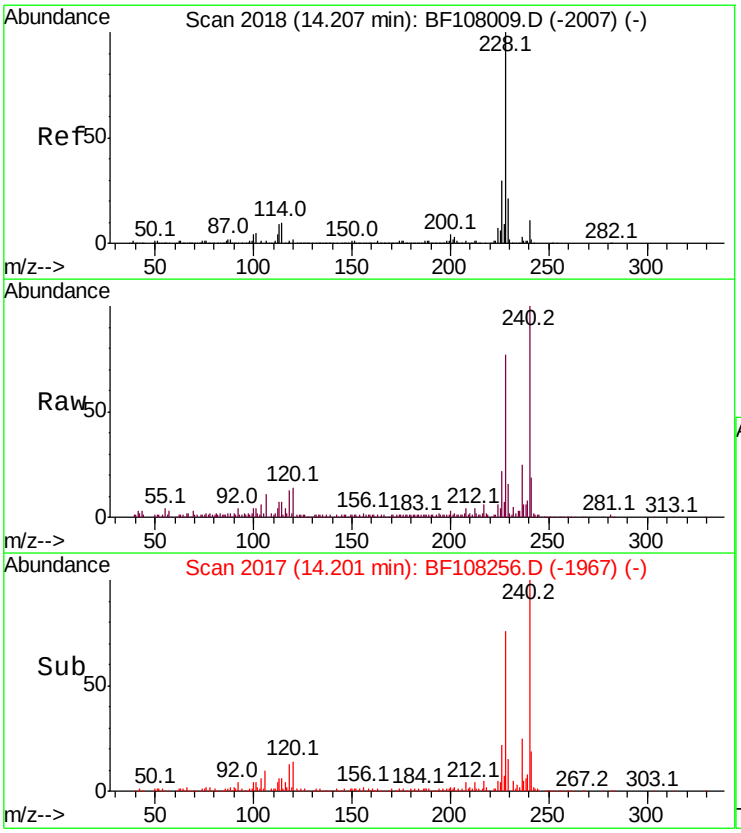
8/20/2018 12:48:34 PM

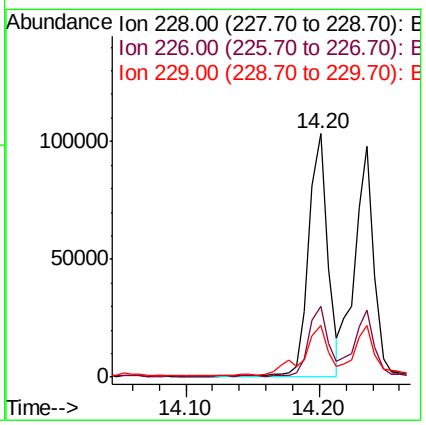


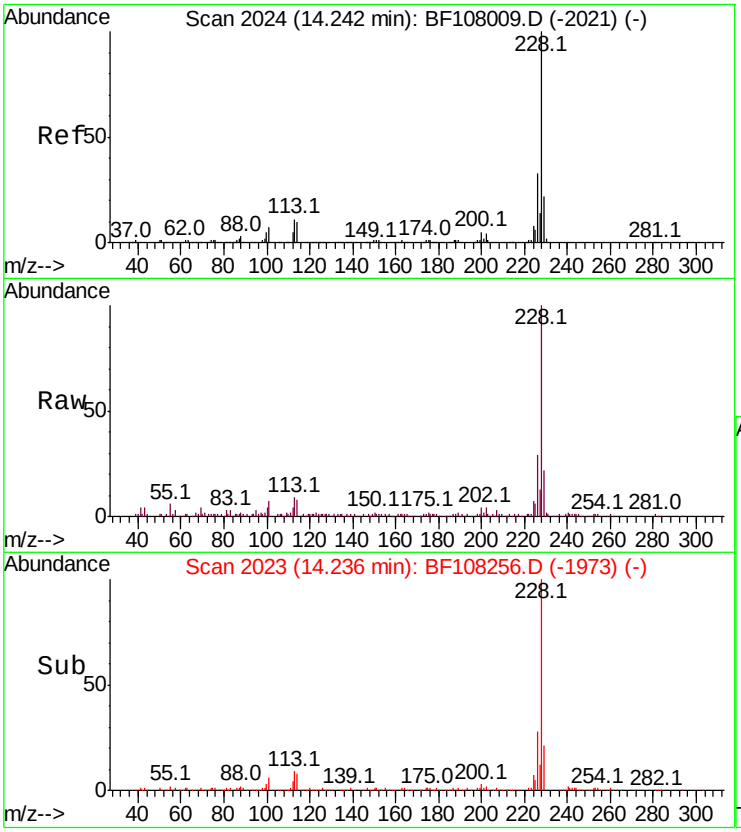


#80
Benzo(a)anthracene
Concen: 4.115 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:228 Resp: 99784

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.4	15.8	23.6

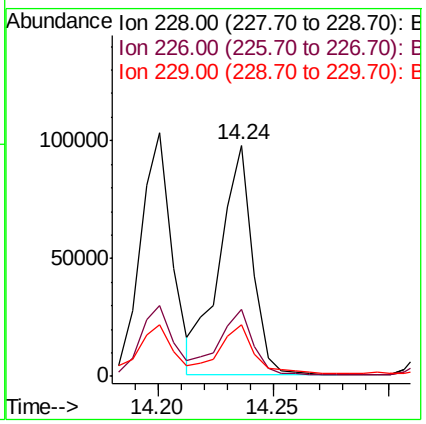




#82
Chrysene
Concen: 4.396 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:228 Resp: 97712

Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.0	37.6
229	22.3	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
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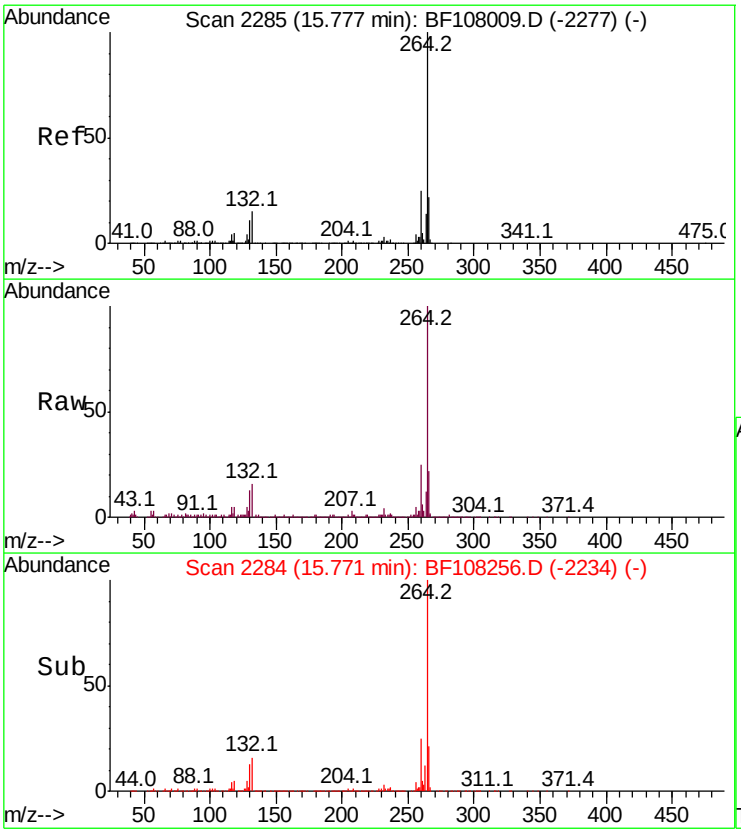
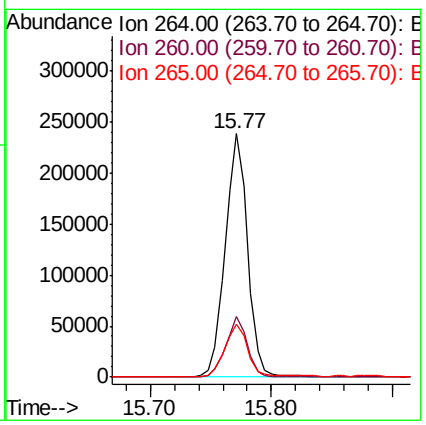
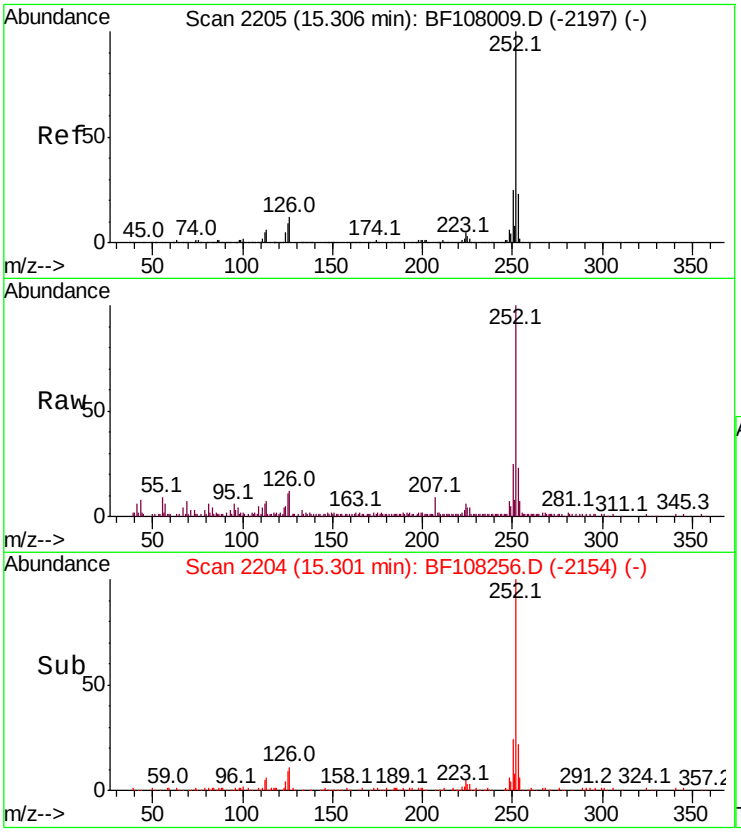


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:264 Resp: 306663

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.5	17.5	26.3

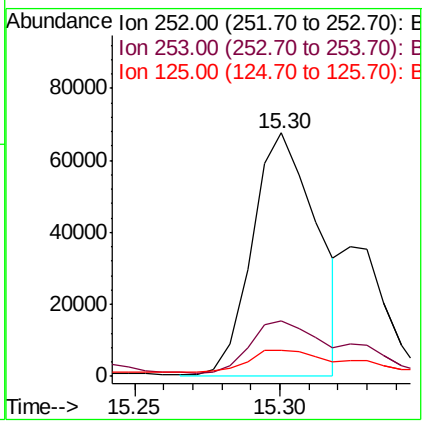




#87
Benzo(b)fluoranthene
Concen: 5.766 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:252 Resp: 105651

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.7	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Manual Integrations APPROVED
Sohil
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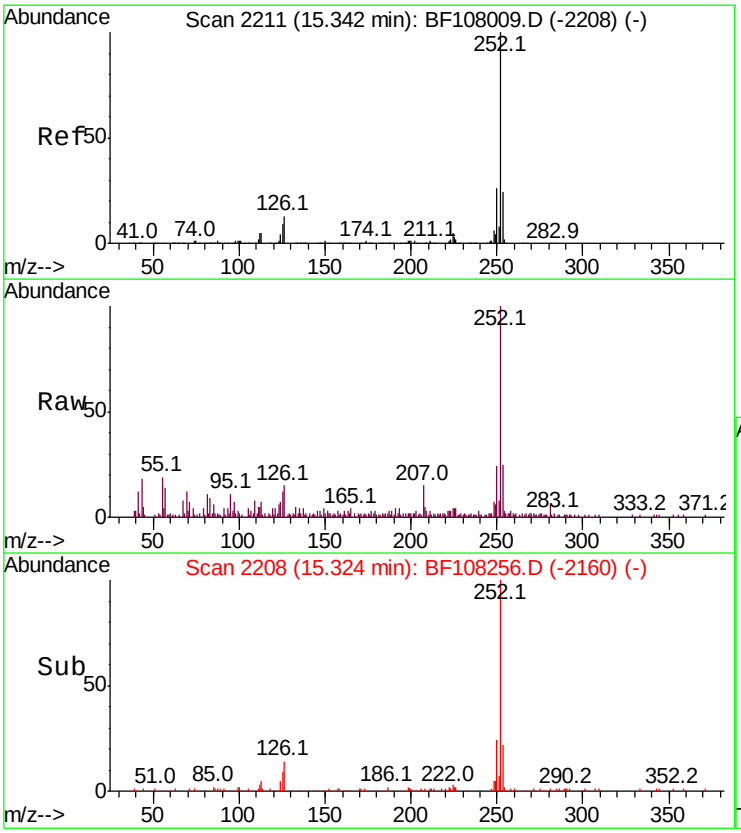
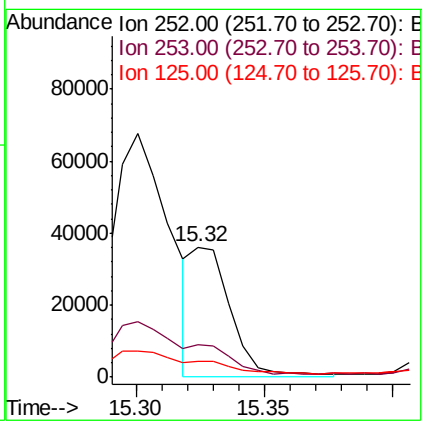
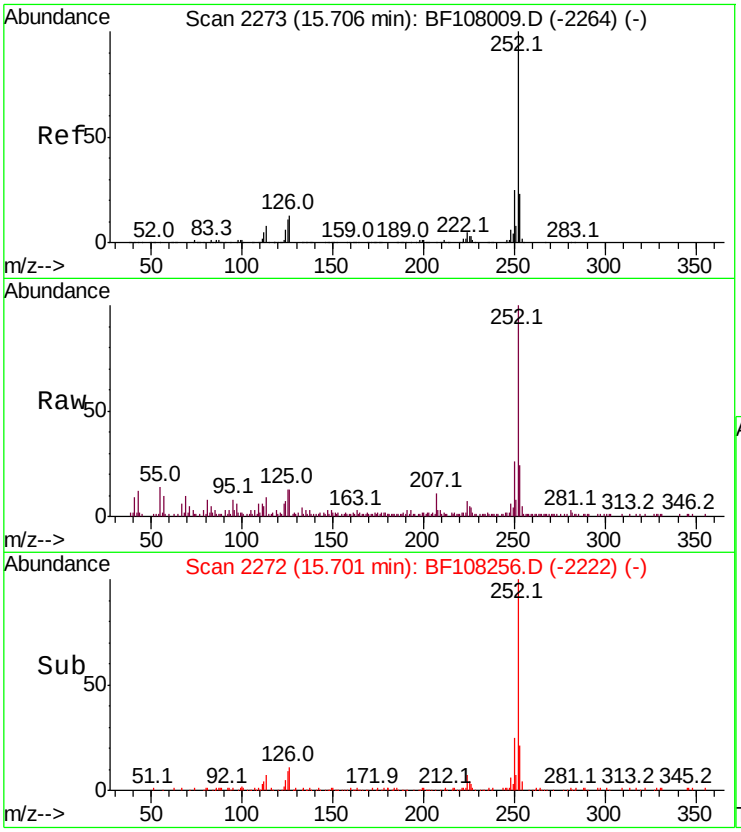


#88
Benzo(k)fluoranthene
Concen: 2.271 ng m
RT: 15.32 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:252 Resp: 38261

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	12.1	10.2	15.2

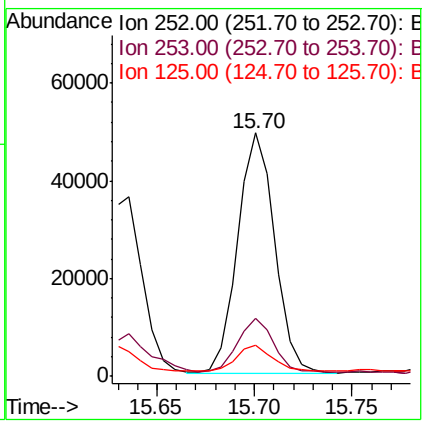




#89
Benzo(a)pyrene
Concen: 3.962 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:252 Resp: 65014

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	12.6	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Manual Integrations APPROVED
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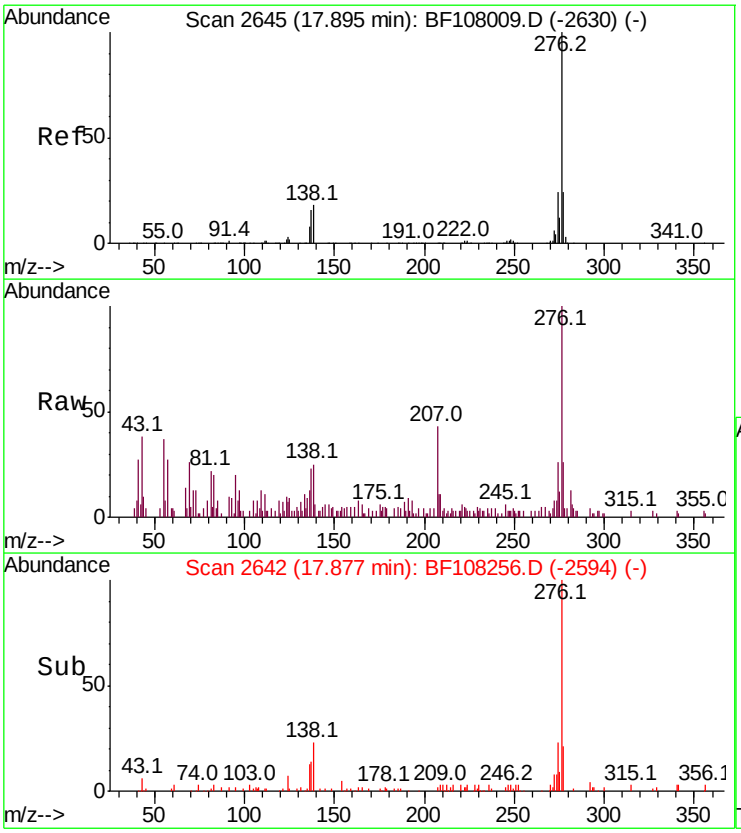

#91
Benzo(g,h,i)perylene
Concen: 2.377 ng
RT: 17.88 min Scan# 2642
Delta R.T. -0.02 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:276 Resp: 31775

Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	25.4	21.8	32.8