Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
Data File : BF108700.D
Acq On : 31 Aug 2018 20:17
Operator : JU/SJ
Sample : J4712-12 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-08

Manual Integrations APPROVED
Sohil
9/4/2018 3:53:29 PM

Quant Time: Sep 01 04:16:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	62980	20.00	ng		0.00
21) Naphthalene-d8	8.28	136	294329	20.00	ng		0.00
38) Acenaphthene-d10	10.04	164	121650	20.00	ng		0.00
63) Phenanthrene-d10	11.54	188	227172	20.00	ng		0.00
75) Chrysene-d12	14.19	240	224328	20.00	ng		0.00
86) Perylene-d12	15.75	264	153897	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.81	112	29359m	8.10	ng		0.17
7) Phenol-d6	6.70	99	72478m	13.96	ng		0.05
23) Nitrobenzene-d5	7.60	82	54263	9.36	ng		0.02
41) 2,4,6-Tribromophenol	10.84	330	18106	11.27	ng		0.00
44) 2-Fluorobiphenyl	9.35	172	104754	11.58	ng		0.00
78) Terphenyl-d14	13.12	244	111285	9.64	ng		-0.01
Target Compounds							Qvalue
70) Phenanthrene	11.57	178	44986	3.923	ng		97
74) Fluoranthene	12.76	202	274156	21.241	ng		93
77) Pyrene	12.99	202	226311	13.420	ng		99
80) Benzo(a)anthracene	14.18	228	160400	11.729	ng		97
82) Chrysene	14.22	228	172283	13.100	ng		98
85) Indeno(1,2,3-cd)pyrene	17.38	276	109311	11.954	ng	#	82
87) Benzo(b)fluoranthene	15.29	252	233496m	24.699	ng		
88) Benzo(k)fluoranthene	15.31	252	85617m	9.142	ng		
89) Benzo(a)pyrene	15.69	252	138547m	16.217	ng		
90) Dibenzo(a,h)anthracene	17.38	278	19440	2.849	ng	#	73
91) Benzo(g,h,i)perylene	17.87	276	121104	18.261	ng	#	87

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

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Manual Integrations APPROVED
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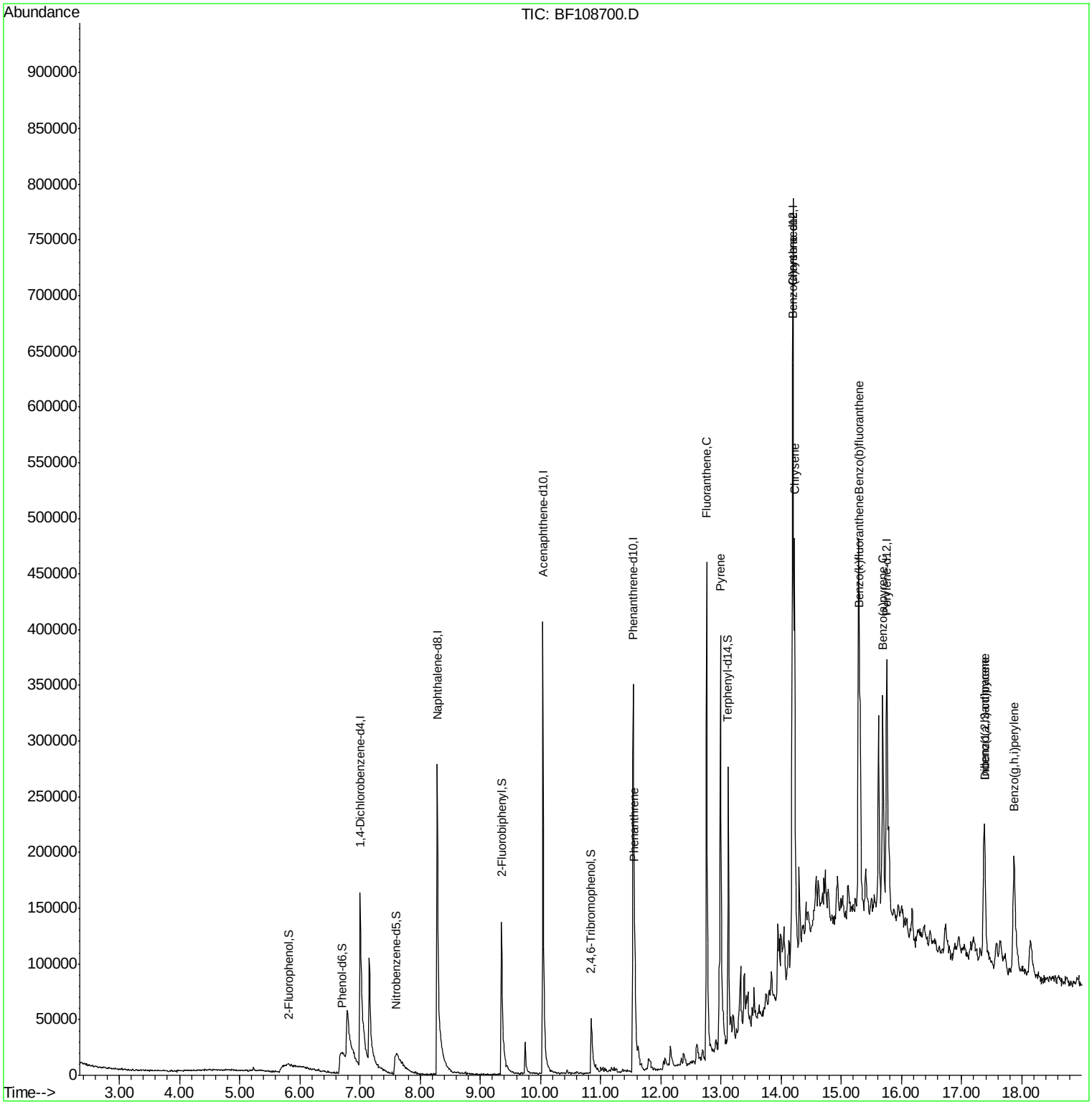
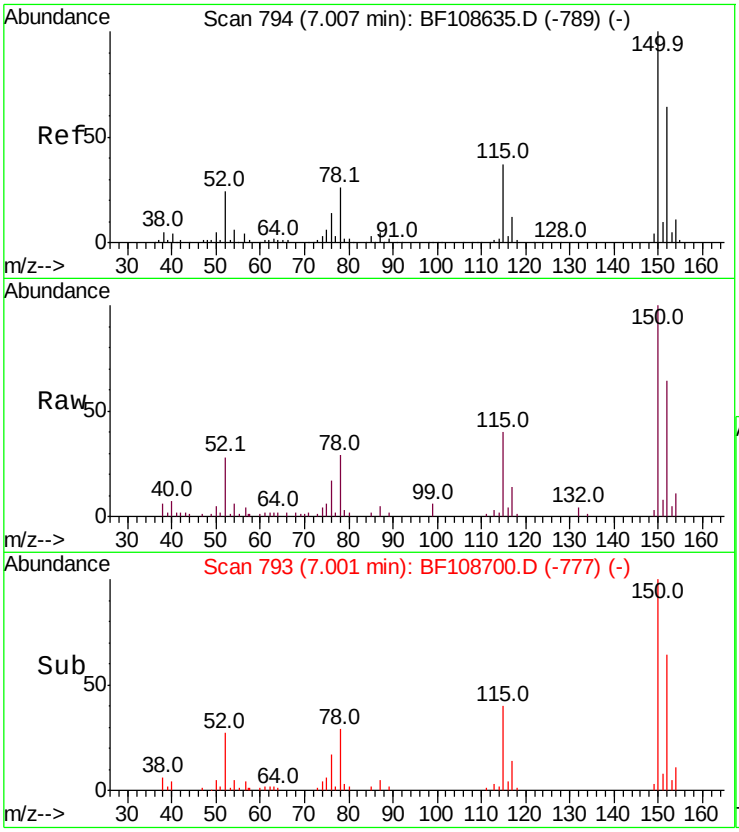
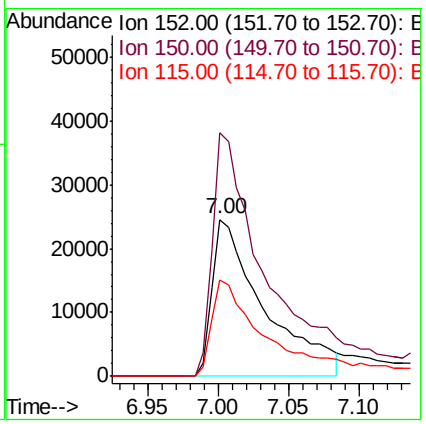




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:152 Resp: 62980

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	61.8	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
DW-08

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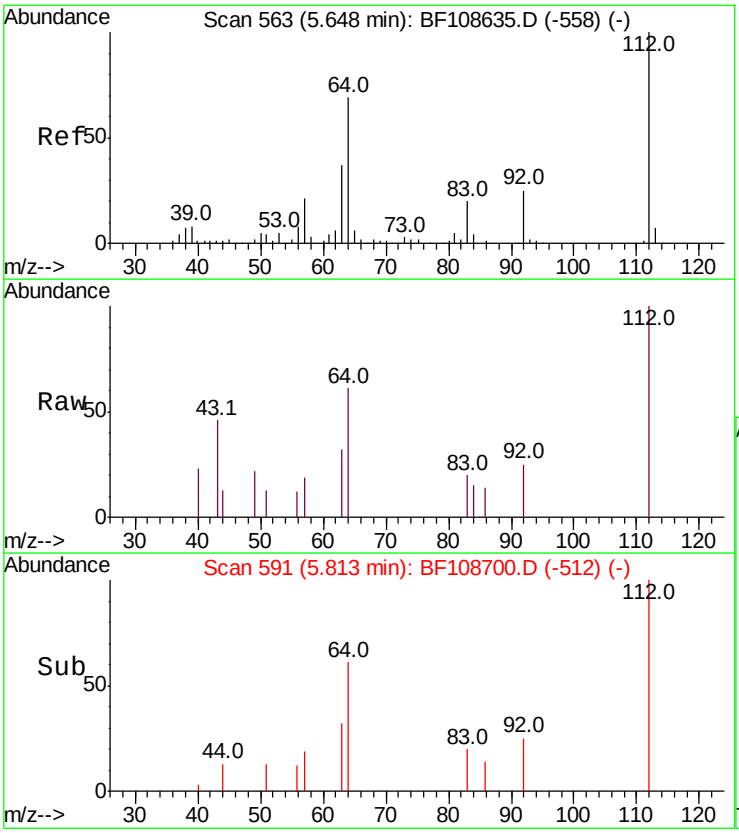
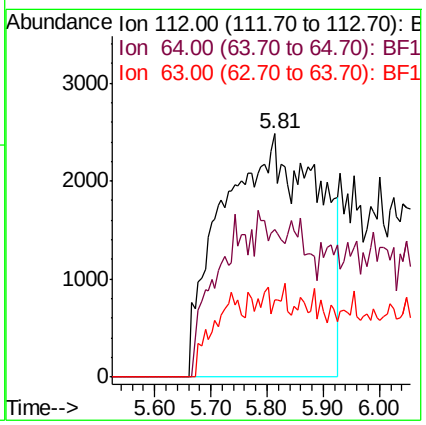
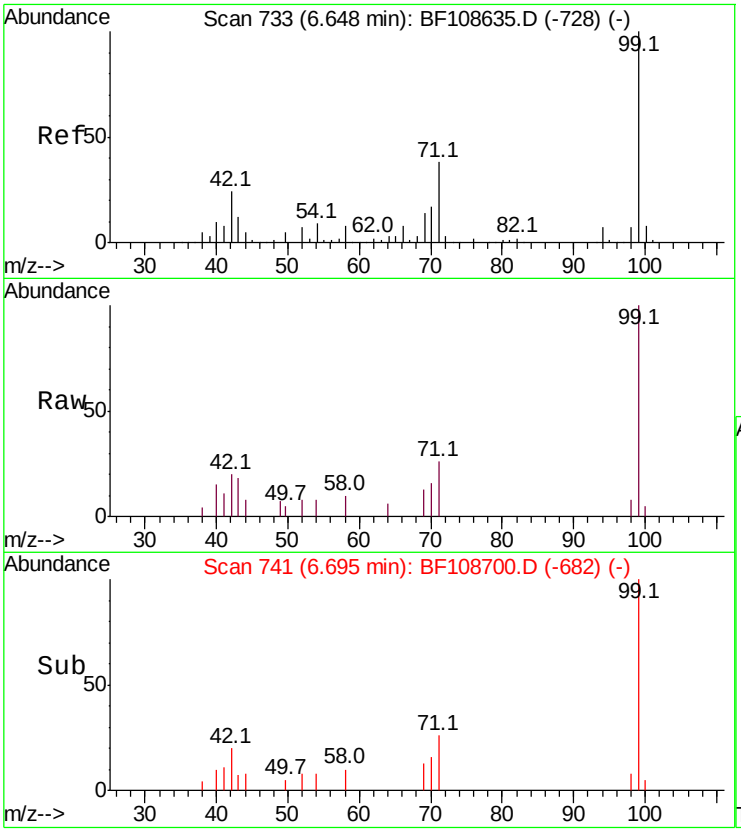


#5
2-Fluorophenol
Concen: 8.098 ng m
RT: 5.81 min Scan# 591
Delta R.T. 0.17 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:112 Resp: 29359

Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.9	71.9
63	31.6	23.7	35.5

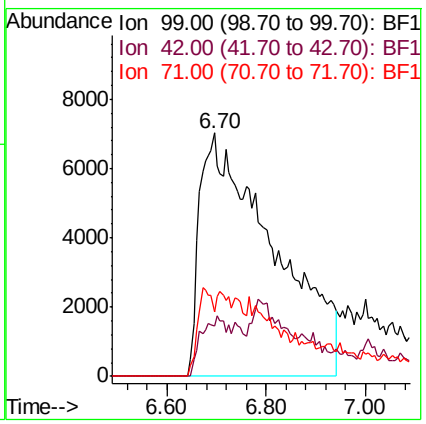




#7
Phenol-d6
Concen: 13.958 ng m
RT: 6.70 min Scan# 741
Delta R.T. 0.05 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion: 99 Resp: 72478

Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	26.5	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
DW-08

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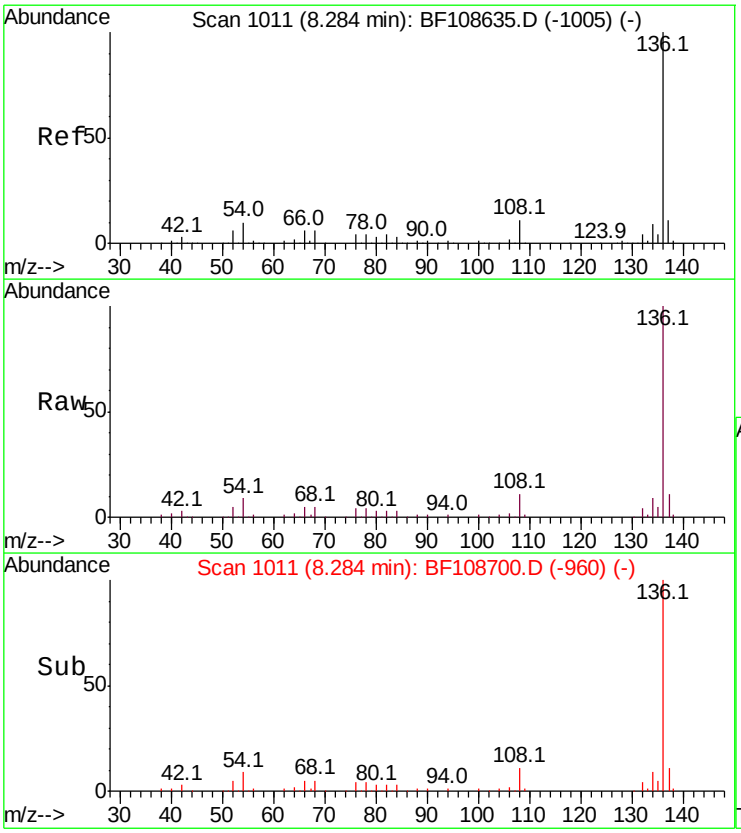
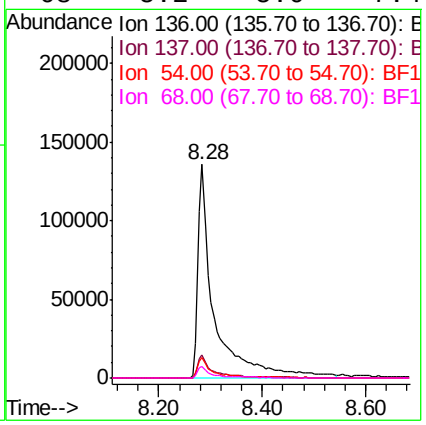
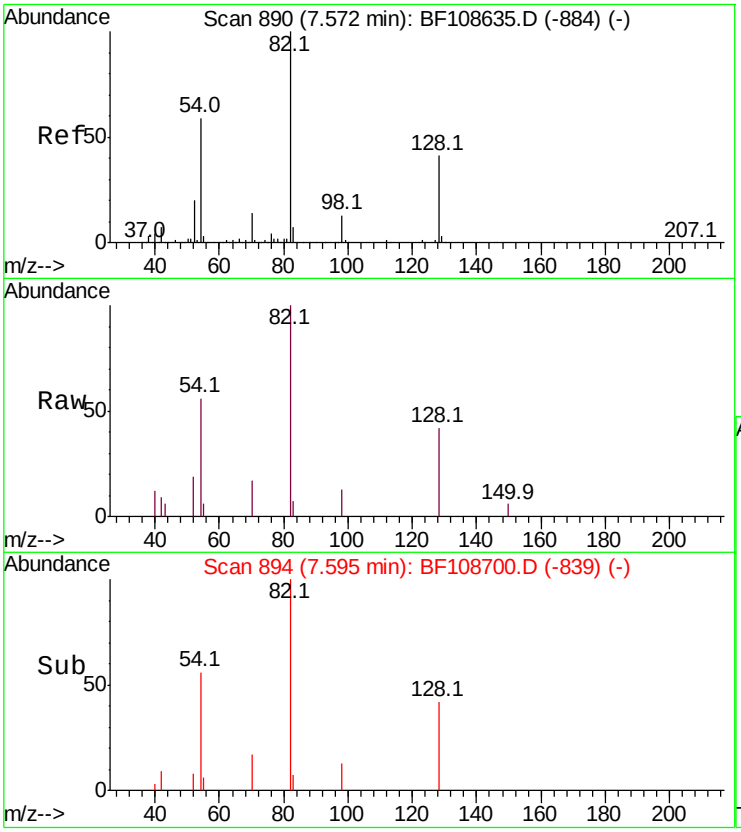


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:136 Resp: 294329

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	9.4	6.6	9.8
68	5.2	5.0	7.4

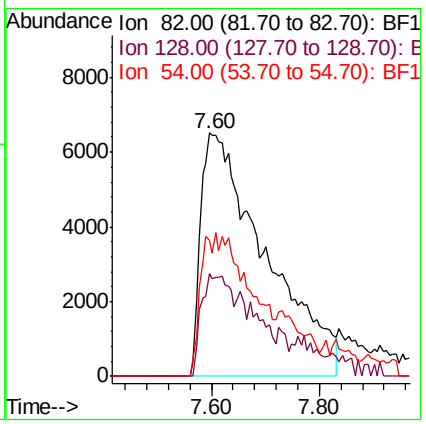




#23
Nitrobenzene-d5
Concen: 9.358 ng
RT: 7.60 min Scan# 894
Delta R.T. 0.02 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion: 82 Resp: 54263

Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	55.9	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
DW-08

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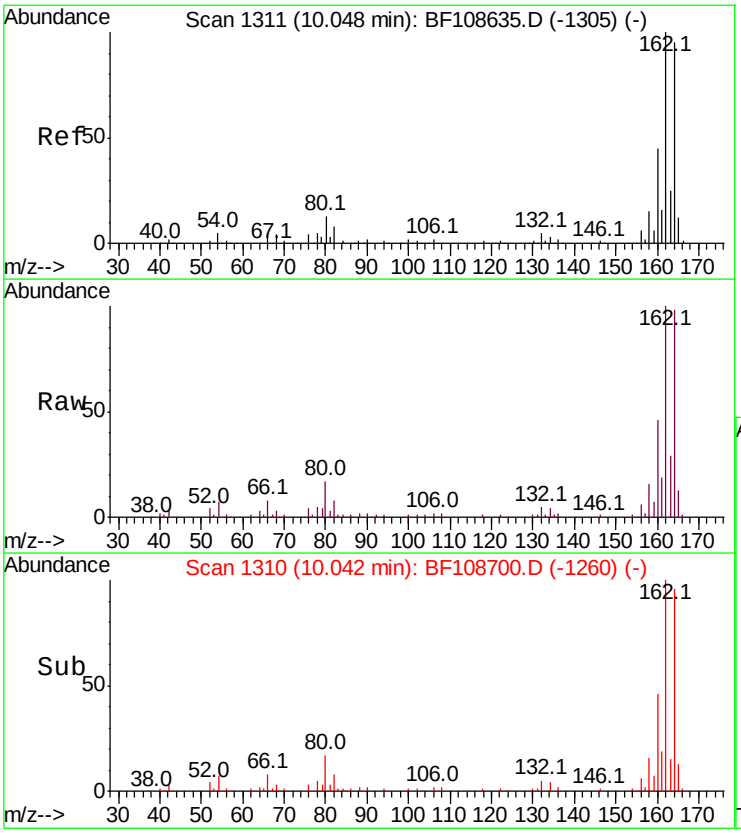
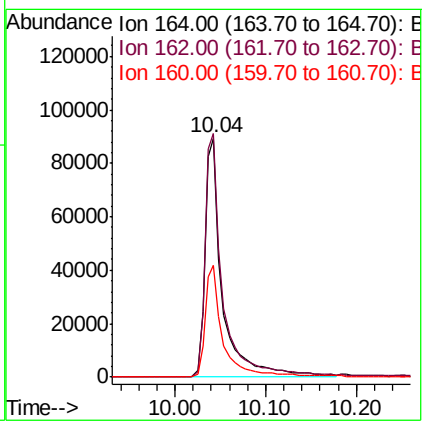
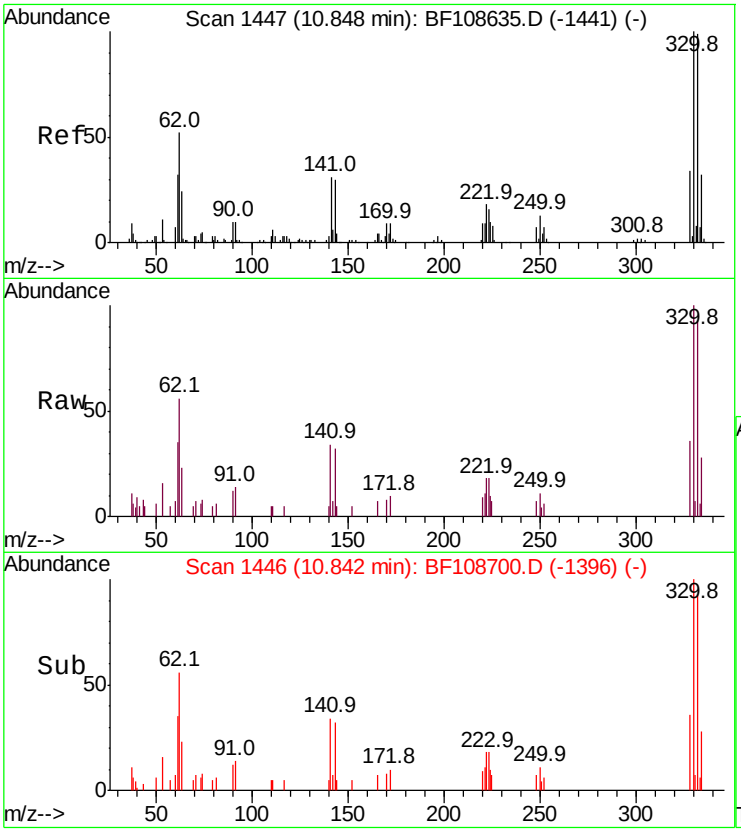


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:164 Resp: 121650

Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	47.1	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 11.274 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:330 Resp: 18106

Ion	Ratio	Lower	Upper
330	100		
332	91.9	77.0	115.6
141	25.5	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
DW-08

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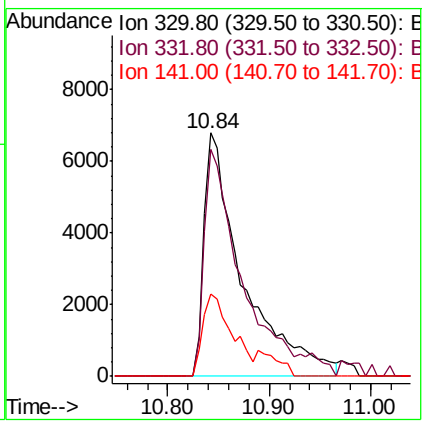
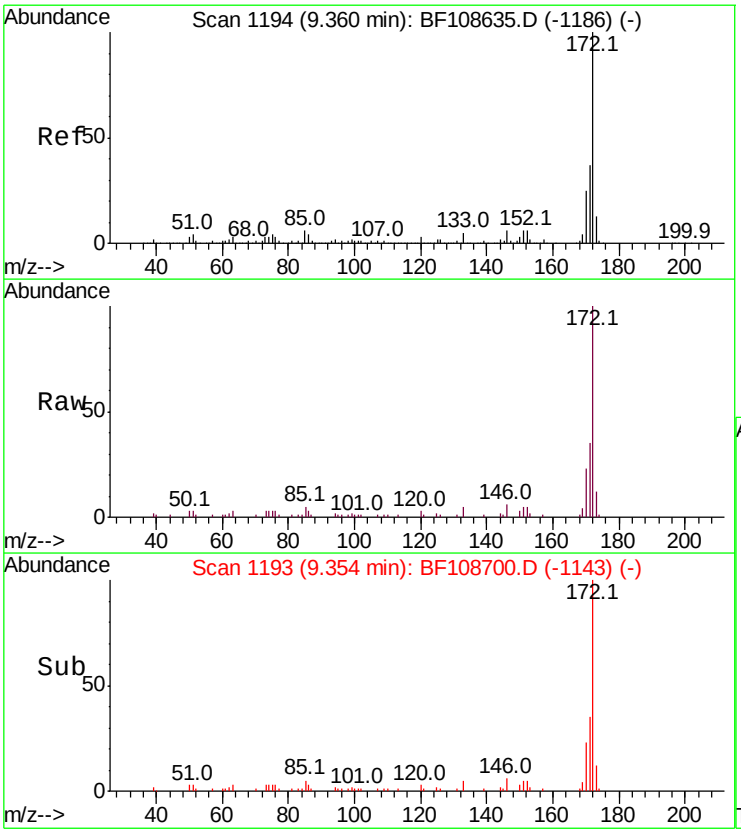
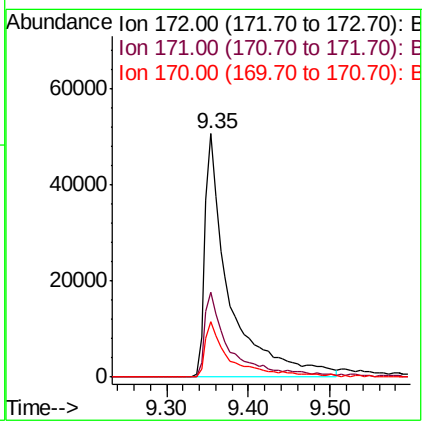


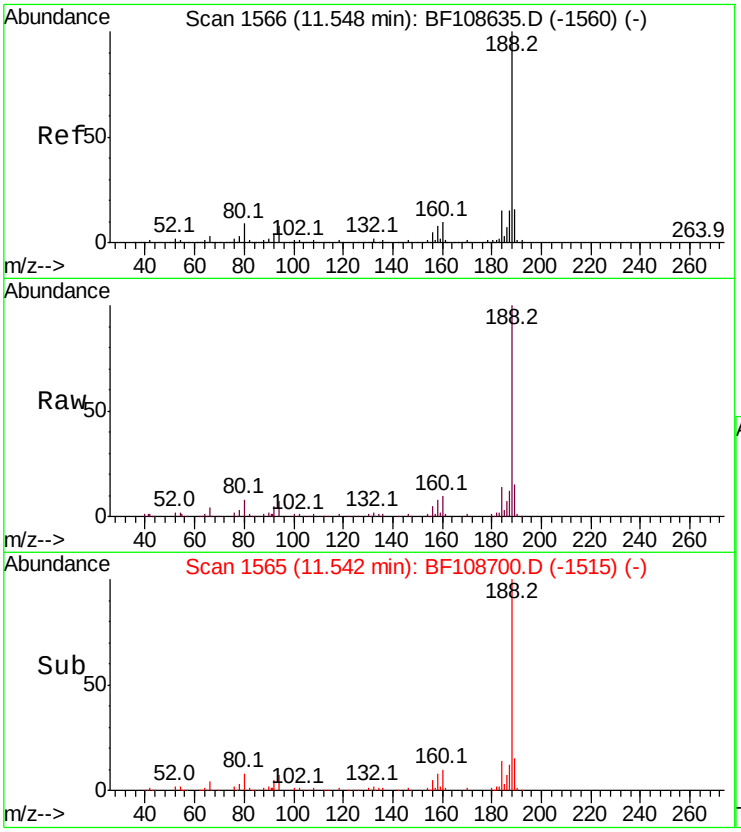


#44
2-Fluorobiphenyl
Concen: 11.578 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:172 Resp: 104754

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.0	19.6	29.4





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:188 Resp: 227172

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

Instrument :
BNA_F
ClientSampleId :
DW-08

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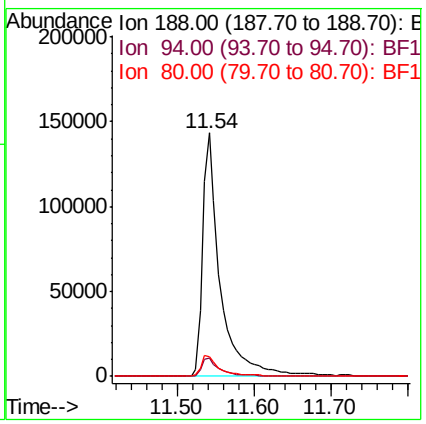
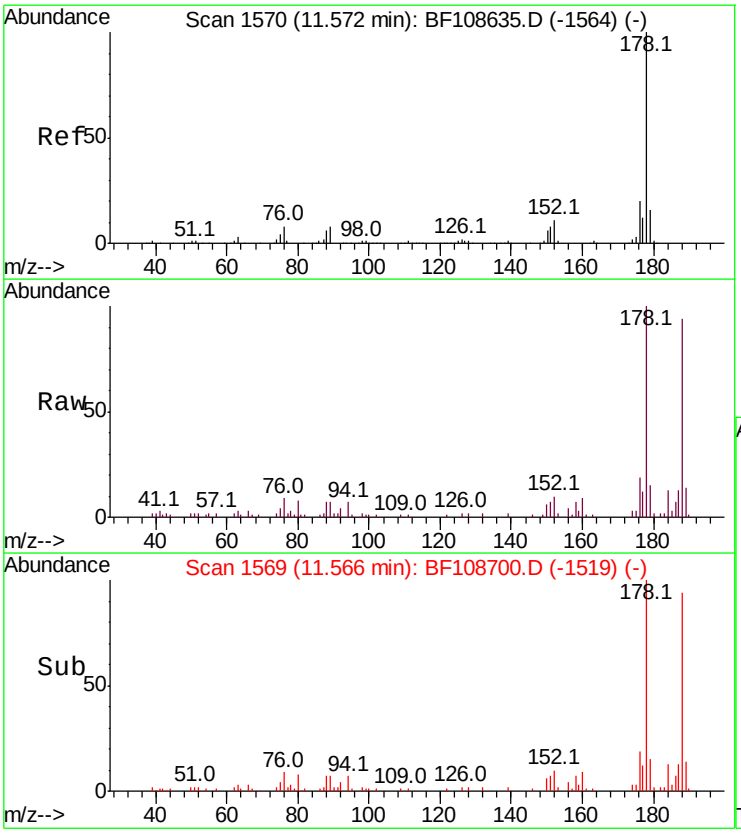
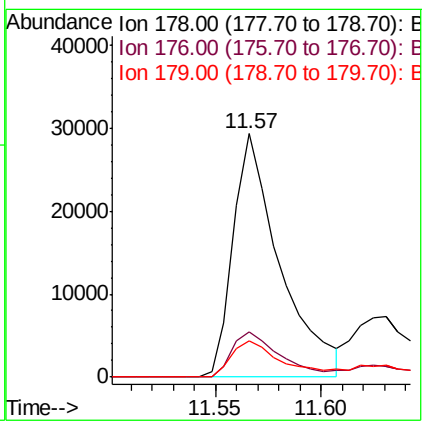


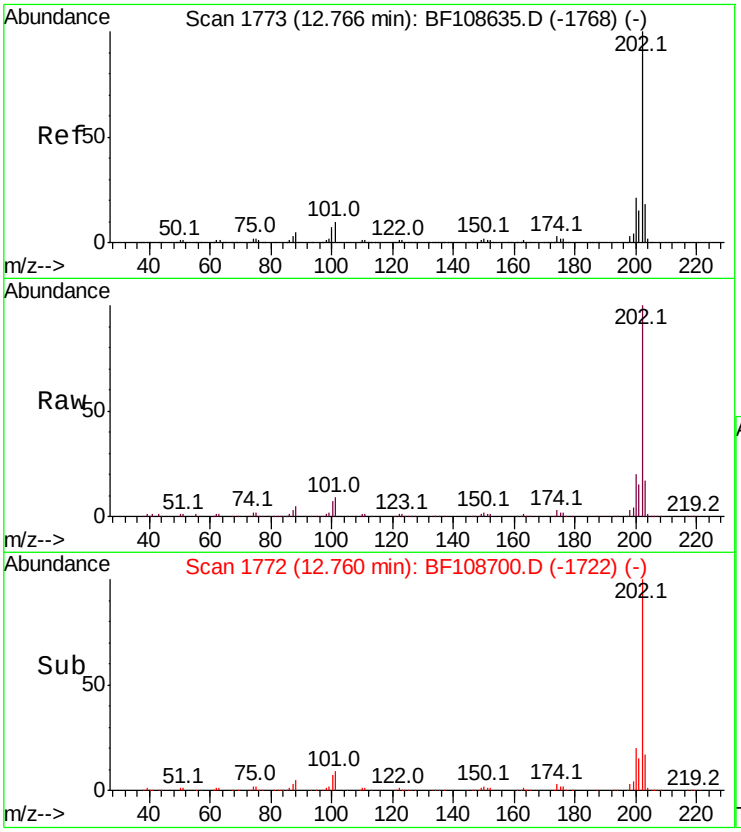


#70
Phenanthrene
Concen: 3.923 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:178 Resp: 44986

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.1	13.0	19.6

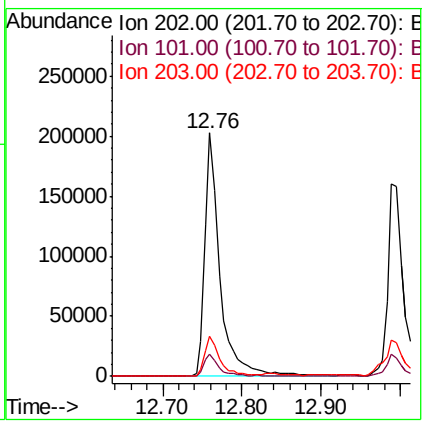




#74
Fluoranthene
Concen: 21.241 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:202 Resp: 274156

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	34.1
203	16.5	0.0	38.1



Instrument :
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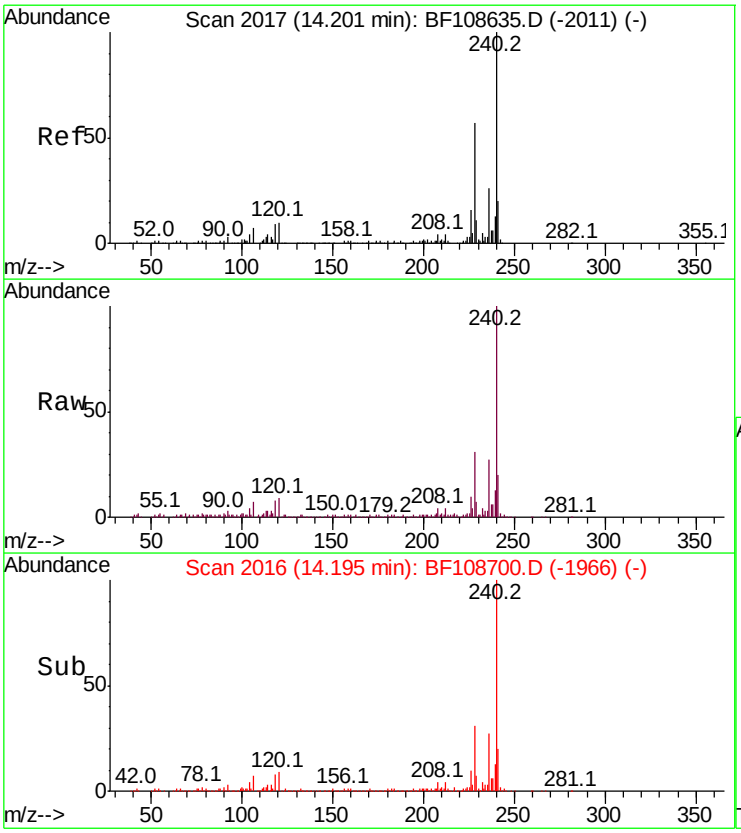
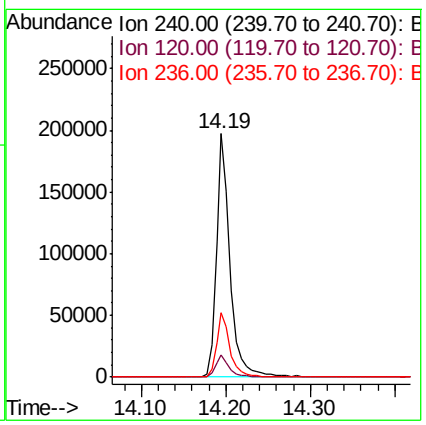
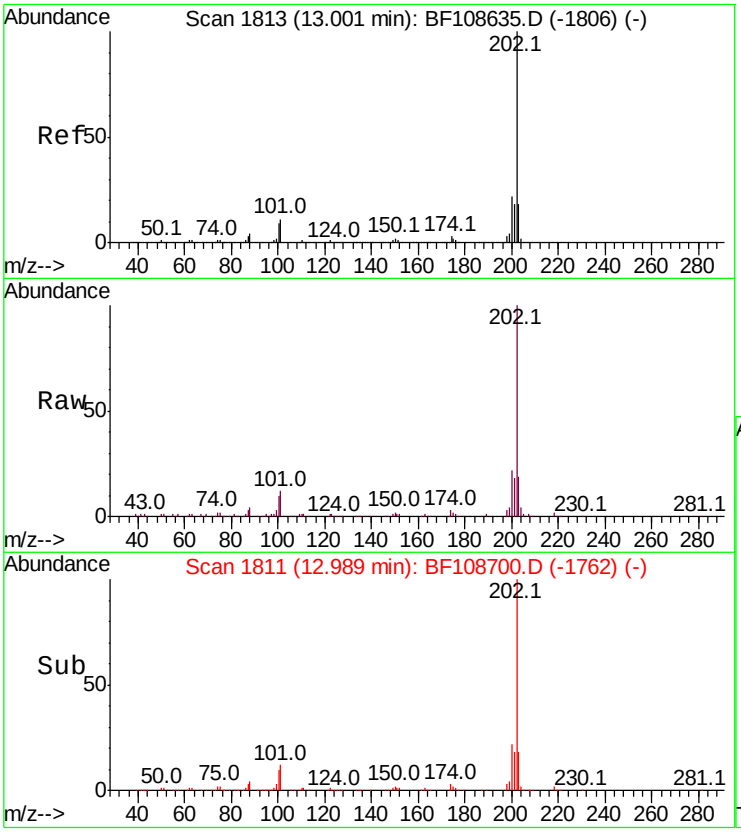


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:240 Resp: 224328

Ion	Ratio	Lower	Upper
240	100		
120	9.0	9.5	14.3#
236	26.6	20.7	31.1

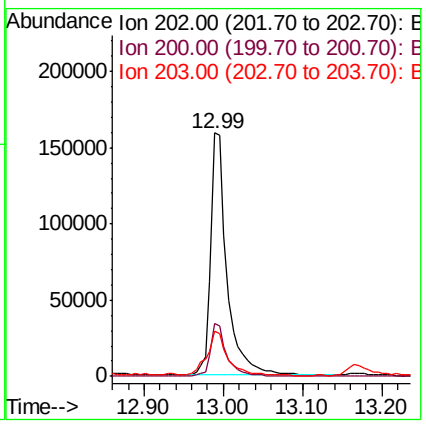




#77
Pyrene
Concen: 13.420 ng
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:202 Resp: 226311

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.6	14.3	21.5



Instrument :
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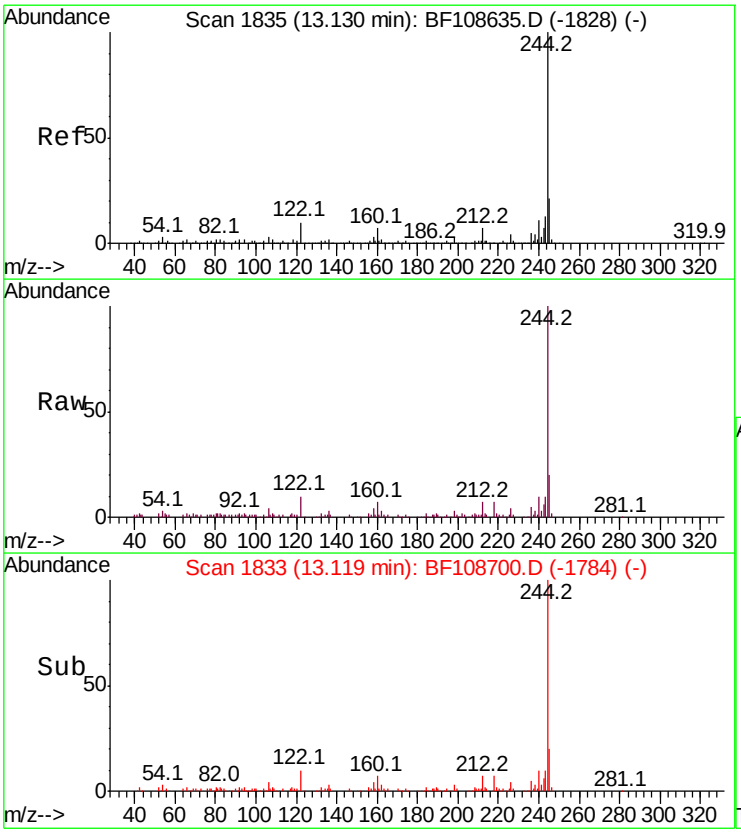
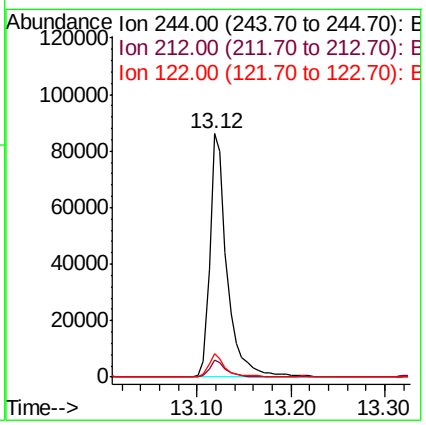
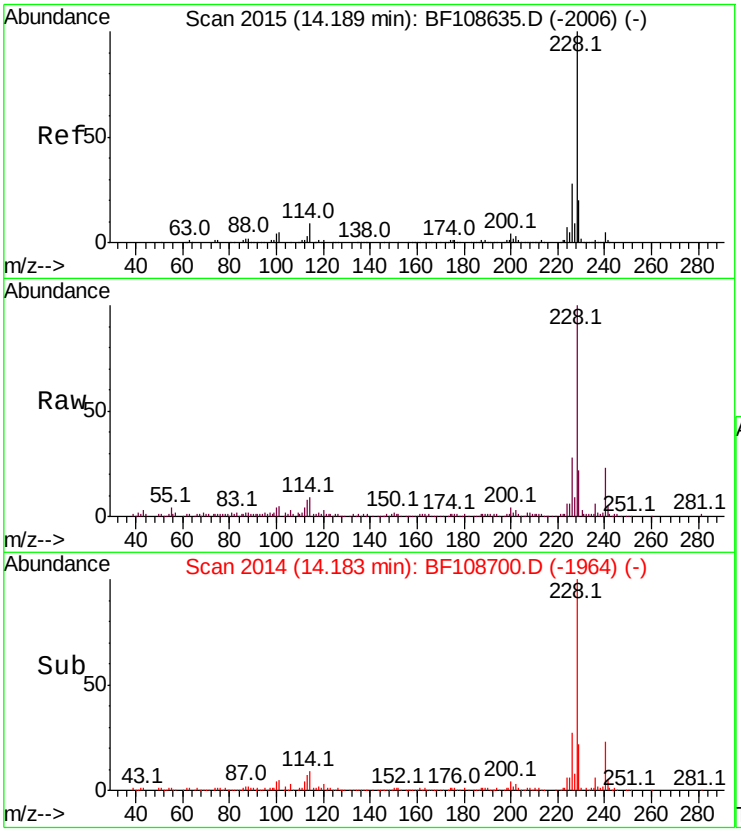


#78
Terphenyl-d14
Concen: 9.639 ng
RT: 13.12 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:244 Resp: 111285

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	9.7	11.0	16.4#

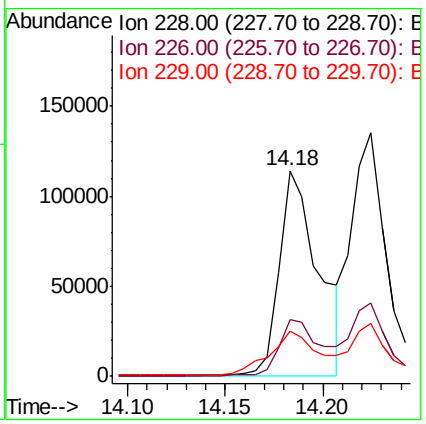




#80
Benzo(a)anthracene
Concen: 11.729 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:228 Resp: 160400

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	22.3	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
DW-08

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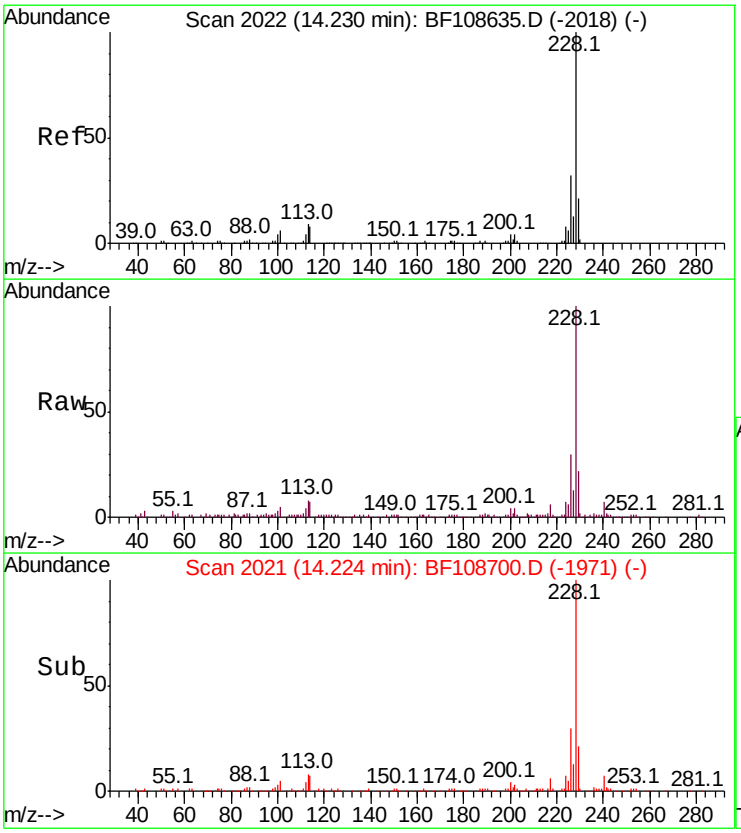
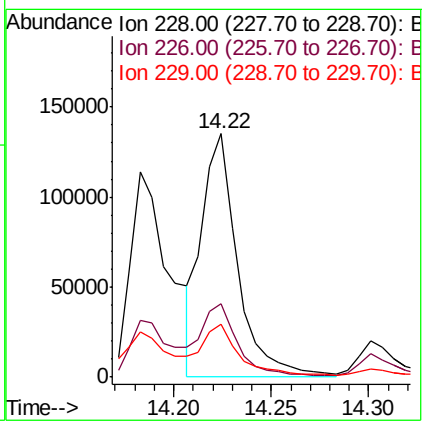
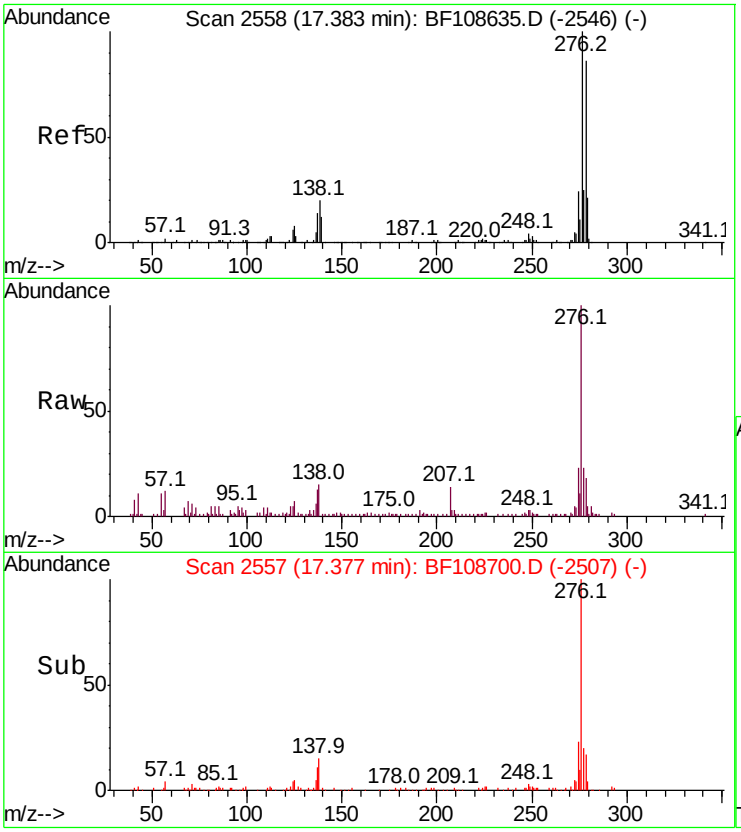


#82
Chrysene
Concen: 13.100 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:228 Resp: 172283

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.6	16.2	24.4

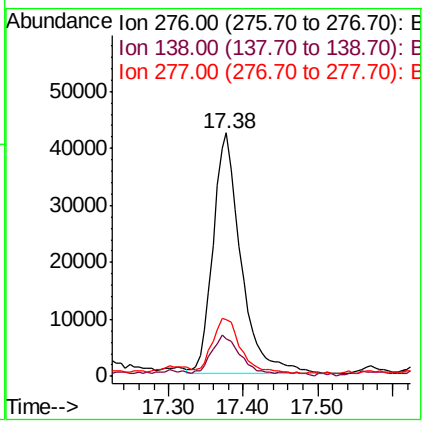




#85
Indeno(1,2,3-cd)pyrene
Concen: 11.954 ng
RT: 17.38 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:276 Resp: 109311

Ion	Ratio	Lower	Upper
276	100		
138	15.2	25.0	37.6#
277	22.7	20.1	30.1



Instrument :
BNA_F
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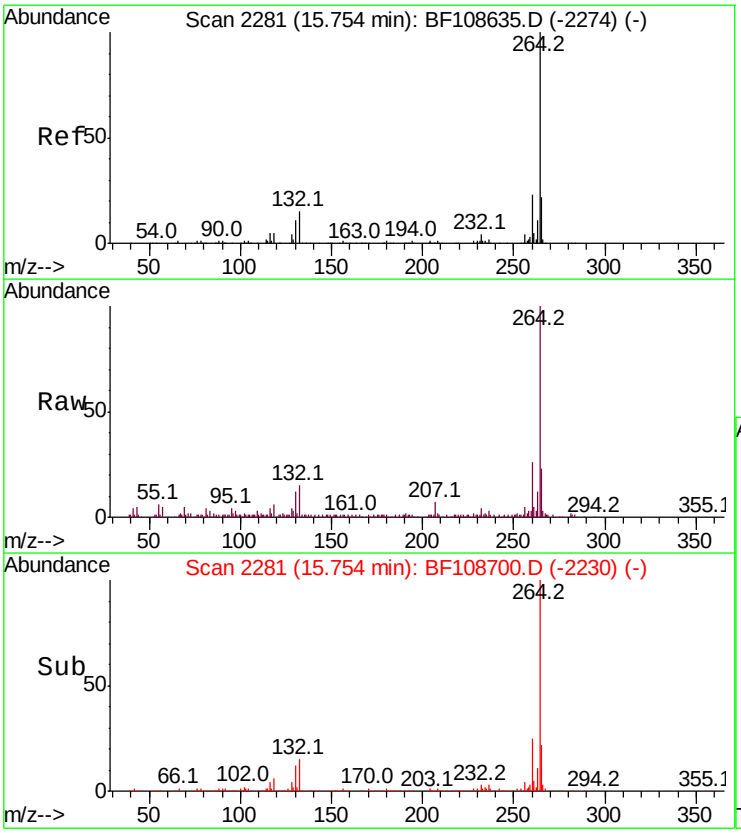
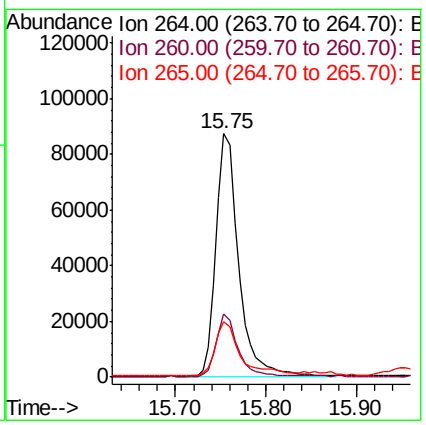
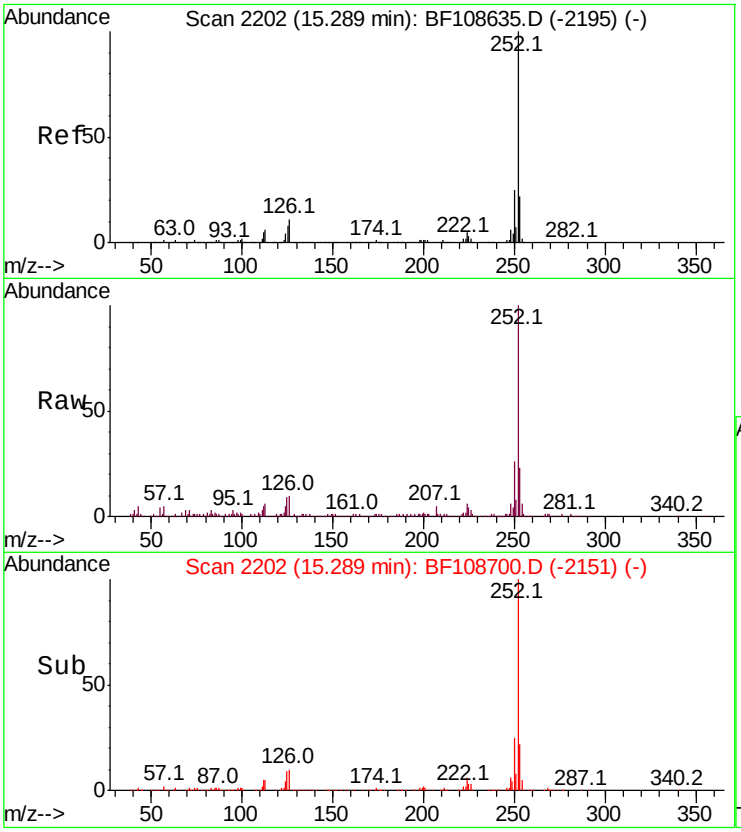


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:264 Resp: 153897

Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.2	28.8
265	23.0	17.5	26.3

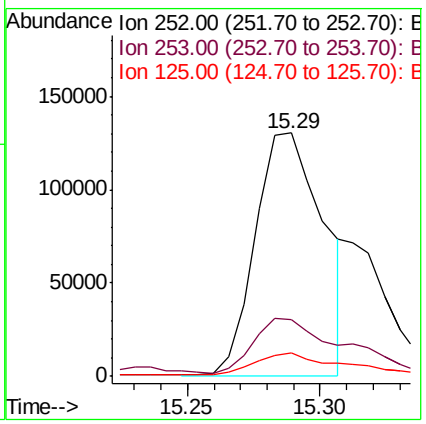




#87
Benzo(b)fluoranthene
Concen: 24.699 ng m
RT: 15.29 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:252 Resp: 233496

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	9.4	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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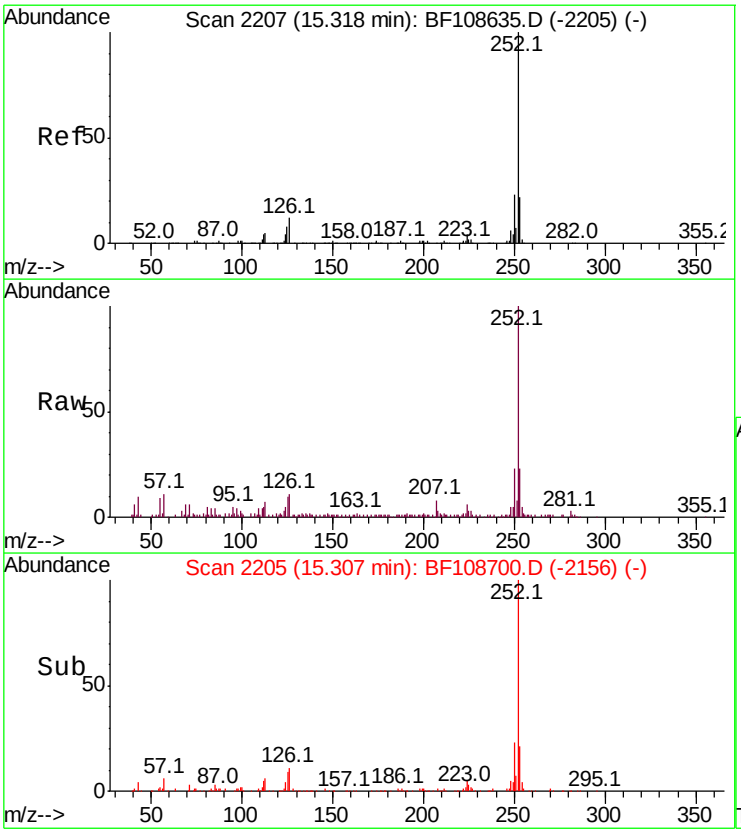
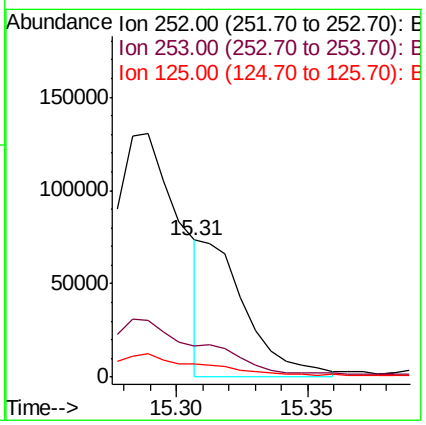
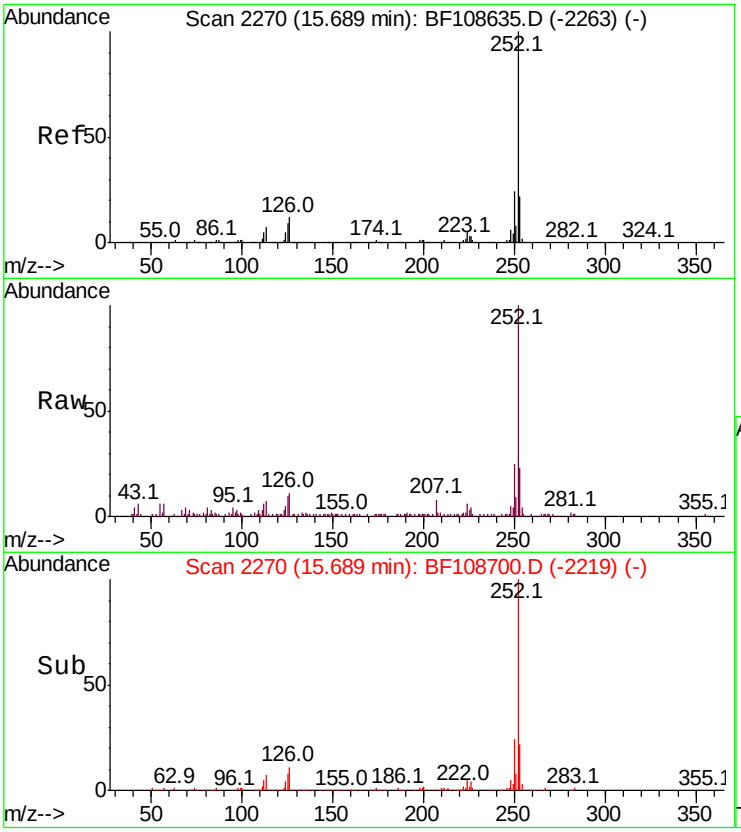


#88
Benzo(k)fluoranthene
Concen: 9.142 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:252 Resp: 85617

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	10.1	10.2	15.2#





#89
Benzo(a)pyrene
Concen: 16.217 ng m
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:252 Resp: 138547

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	9.5	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
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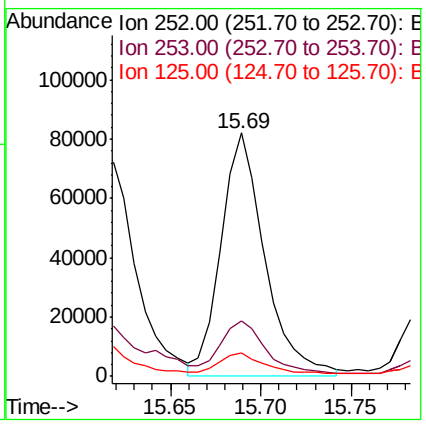
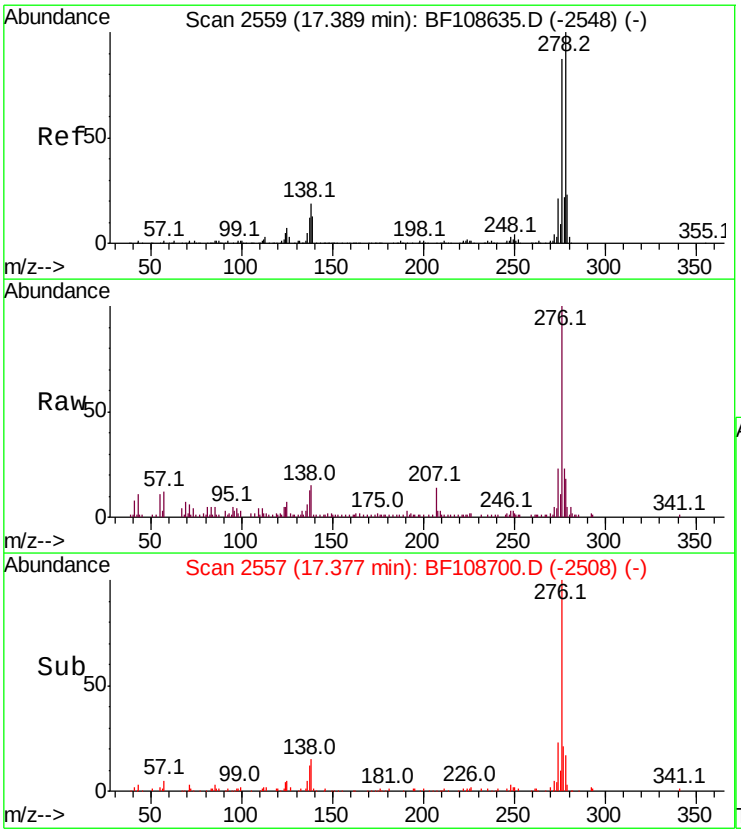
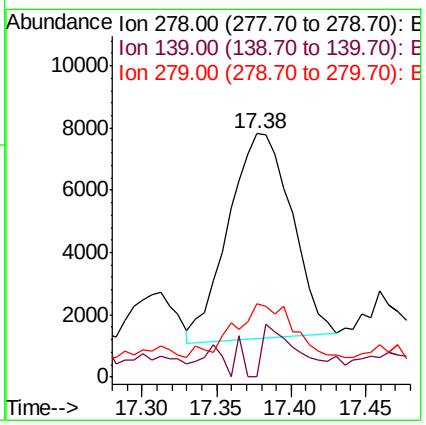


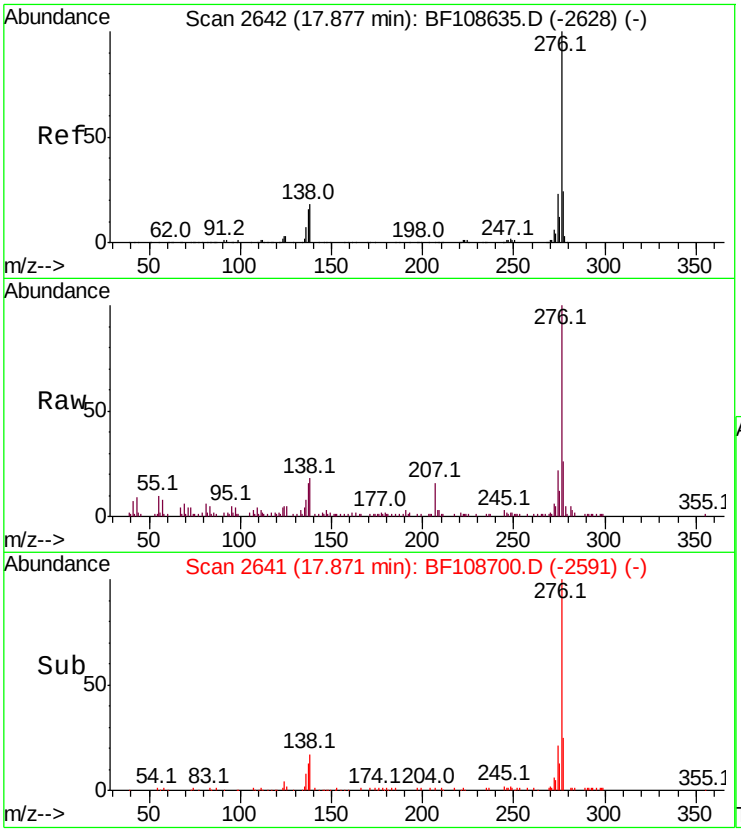


#90
Dibenzo(a,h)anthracene
Concen: 2.849 ng
RT: 17.38 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:278 Resp: 19440

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.9	19.0	28.4#

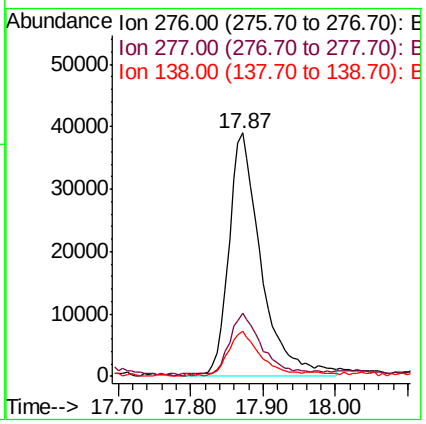




#91
Benzo(g,h,i)perylene
Concen: 18.261 ng
RT: 17.87 min Scan# 2641
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:276 Resp: 121104

Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	18.4	21.8	32.8#



Instrument :
BNA_F
ClientSampleId :
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