Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108118.D
Acq On : 13 Aug 2018 16:11
Operator : JU/SJ
Sample : J4272-07 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 13 17:41:41 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	7.02	152	277635	20.00	ng		0.01
21) Naphthalene-d8	8.31	136	1043176	20.00	ng		0.00
38) Acenaphthene-d10	10.07	164	491757	20.00	ng		0.00
63) Phenanthrene-d10	11.57	188	841626	20.00	ng		0.01
75) Chrysene-d12	14.24	240	638859	20.00	ng		0.02
86) Perylene-d12	15.81	264	509120	20.00	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	331979	21.65	ng		0.00
7) Phenol-d6	6.63	99	460895	22.62	ng		0.00
23) Nitrobenzene-d5	7.58	82	279223	14.94	ng		0.00
41) 2,4,6-Tribromophenol	10.87	330	95298	19.43	ng		0.00
44) 2-Fluorobiphenyl	9.38	172	516459	16.86	ng		0.00
78) Terphenyl-d14	13.16	244	424438	16.89	ng		0.01
Target Compounds							Qvalue
70) Phenanthrene	11.59	178	275180	6.932	ng		99
74) Fluoranthene	12.79	202	311108	7.181	ng		96
77) Pyrene	13.03	202	382147	9.448	ng		99
80) Benzo(a)anthracene	14.22	228	156229	4.261	ng		96
82) Chrysene	14.26	228	157416	4.683	ng		98
87) Benzo(b)fluoranthene	15.34	252	131035m	4.307	ng		
89) Benzo(a)pyrene	15.74	252	101204	3.715	ng	#	94

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

Quantitation Report (QT/LSC Reviewed)

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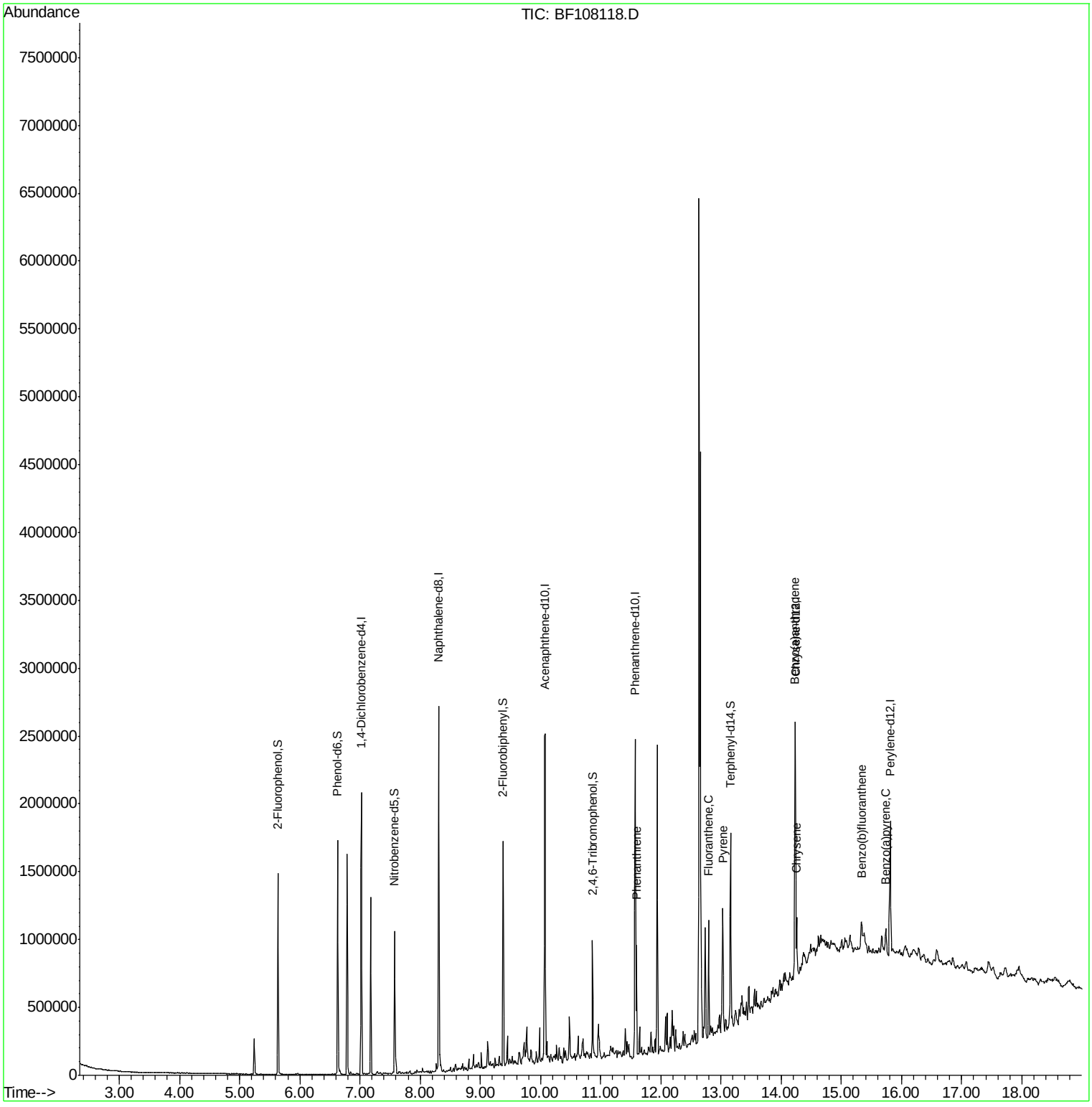
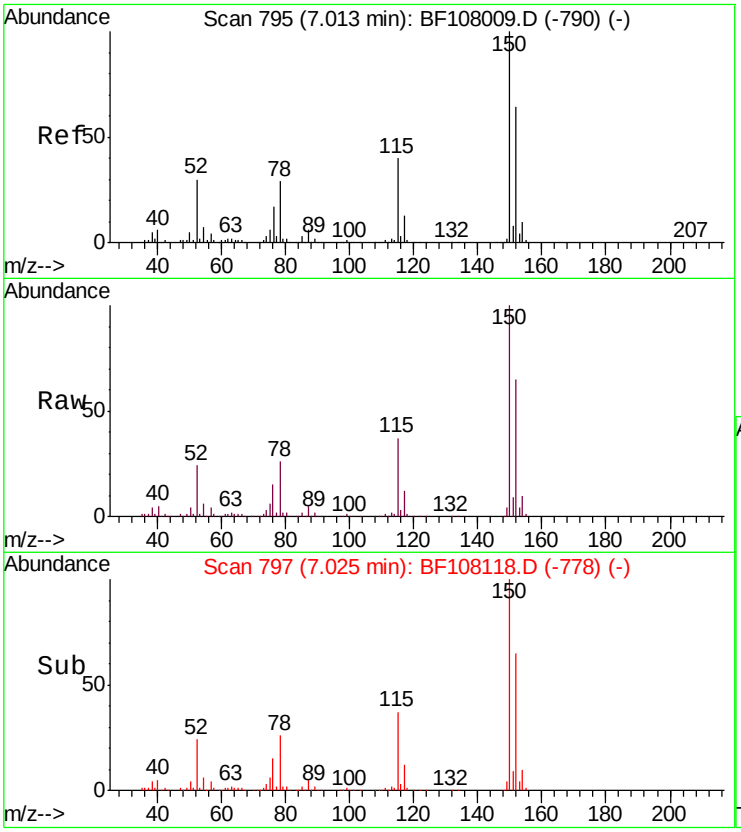


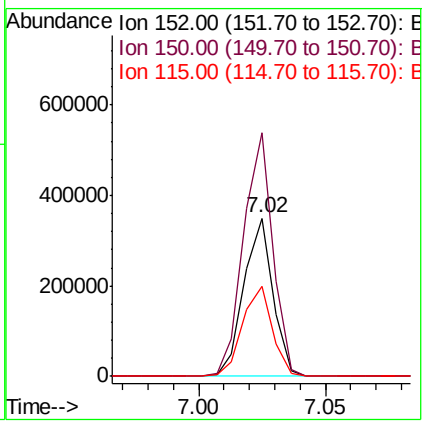


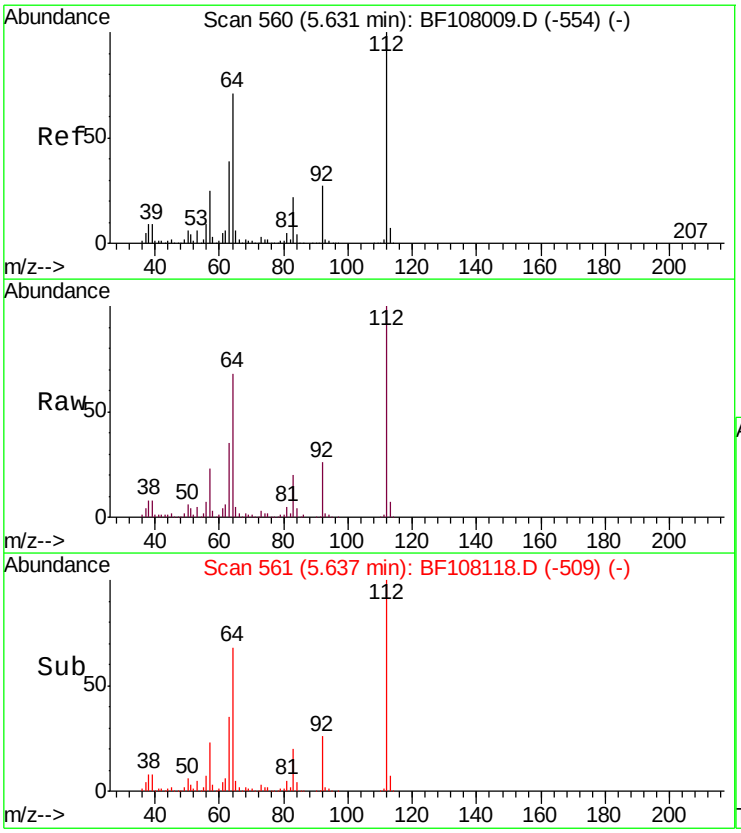
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 277635

Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	57.0	50.1	75.1

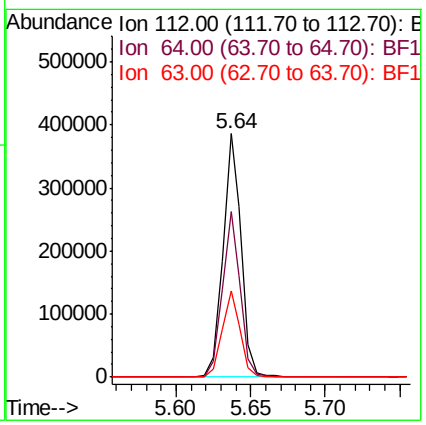


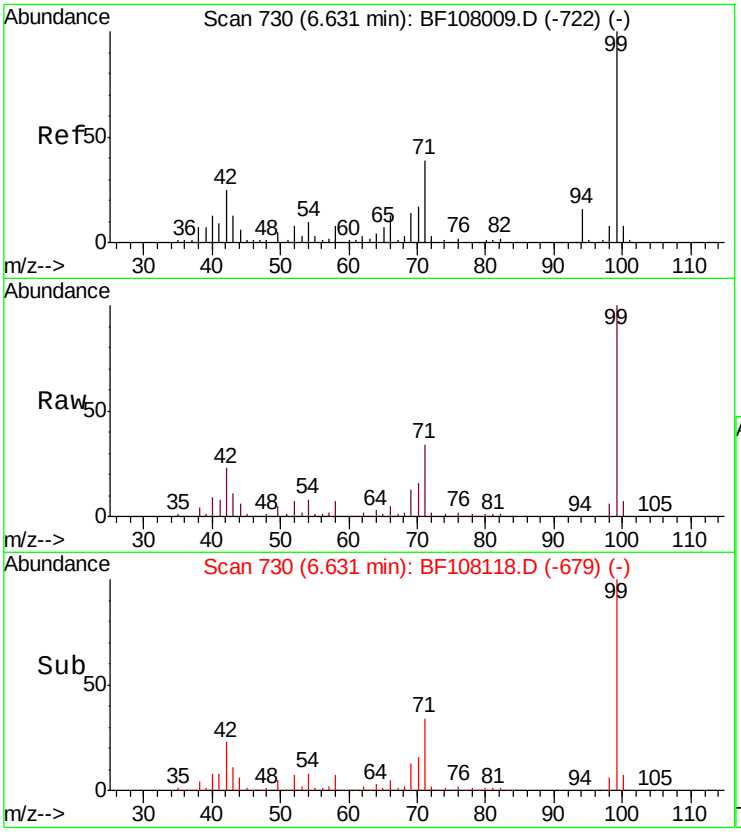


#5
2-Fluorophenol
Concen: 21.648 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:112 Resp: 331979

Ion	Ratio	Lower	Upper
112	100		
64	68.2	47.9	71.9
63	35.4	23.7	35.5



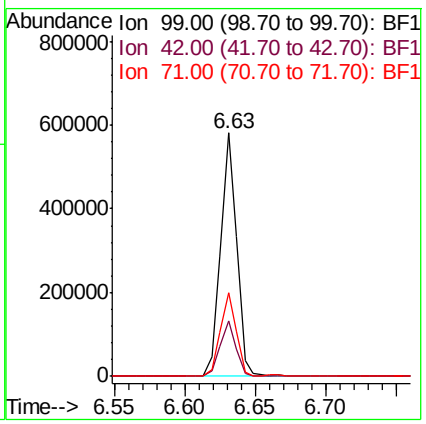


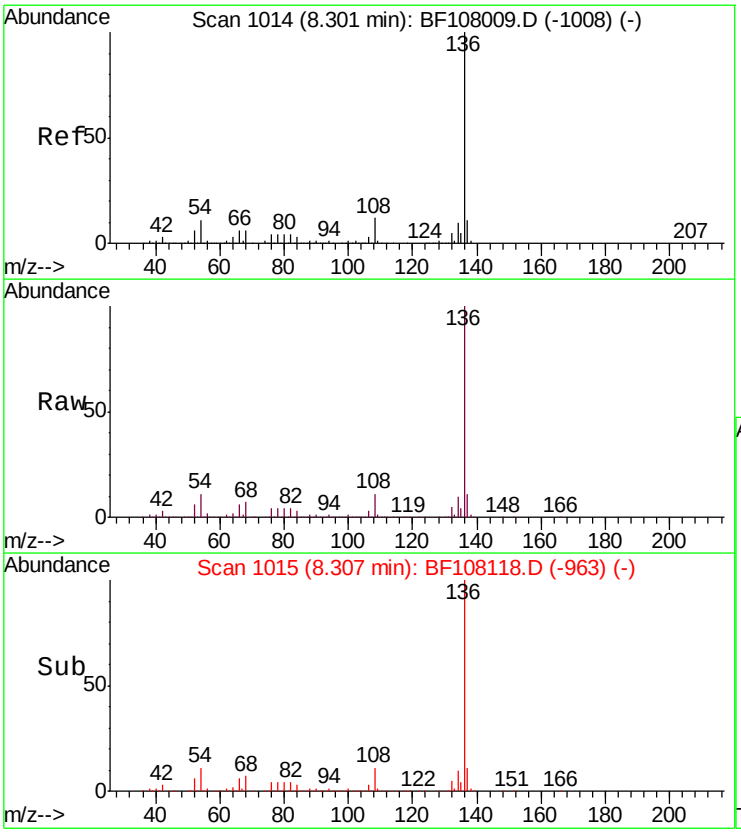
#7
Phenol-d6
Concen: 22.617 ng
RT: 6.63 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 460895

Ion	Ratio	Lower	Upper
99	100		
42	22.5	14.5	21.7#
71	34.4	25.4	38.0

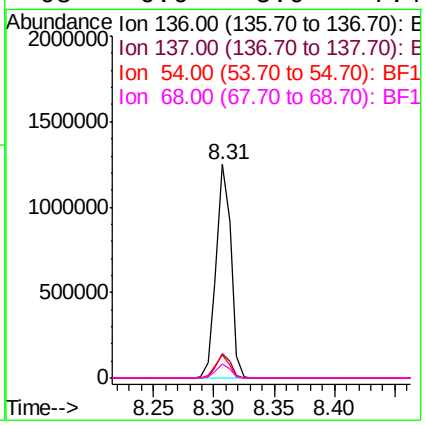


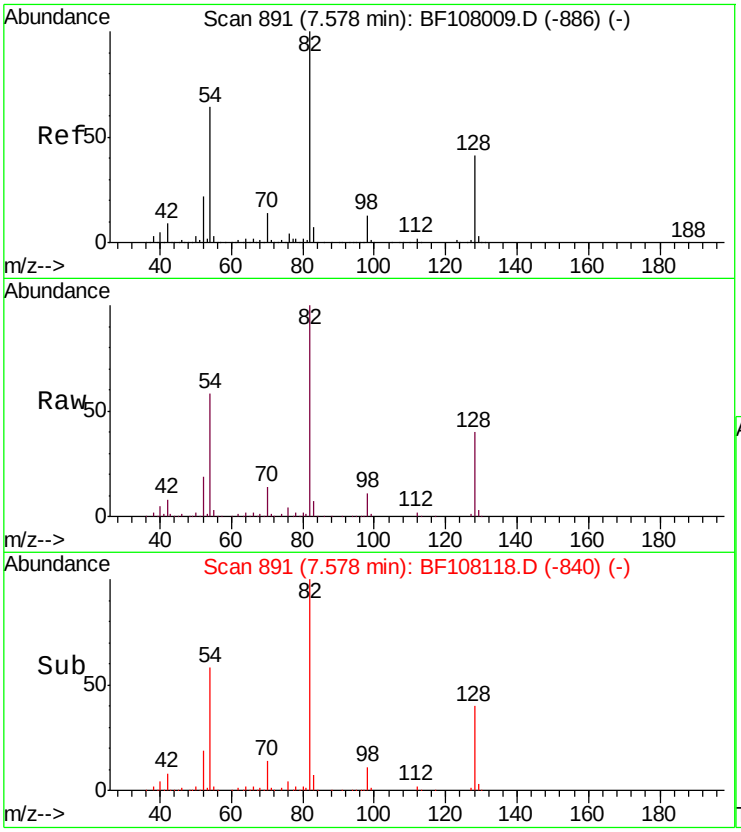


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:136 Resp: 1043176

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.9	6.6	9.8#
68	6.6	5.0	7.4



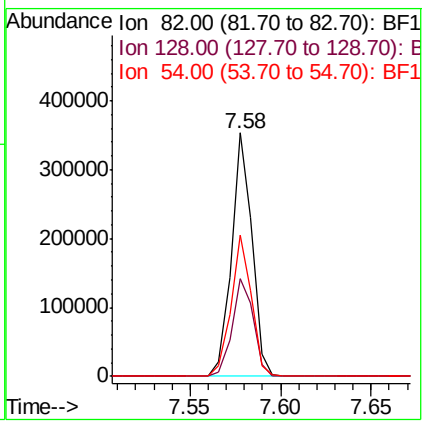


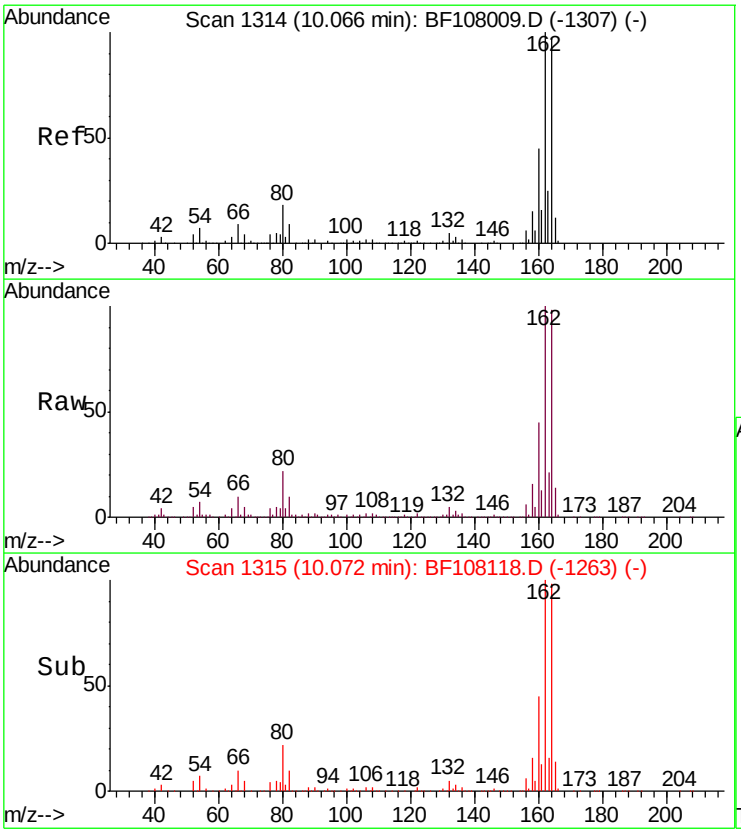
#23
Nitrobenzene-d5
Concen: 14.936 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 279223

Ion	Ratio	Lower	Upper
82	100		
128	40.0	36.1	54.1
54	58.2	41.4	62.2

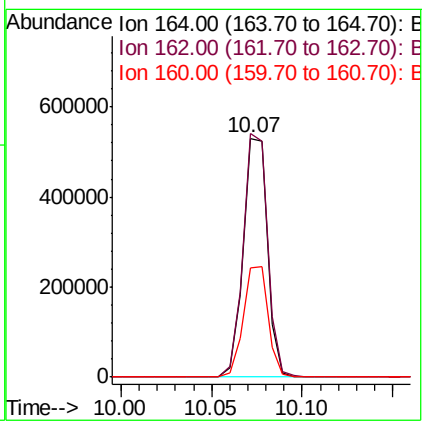


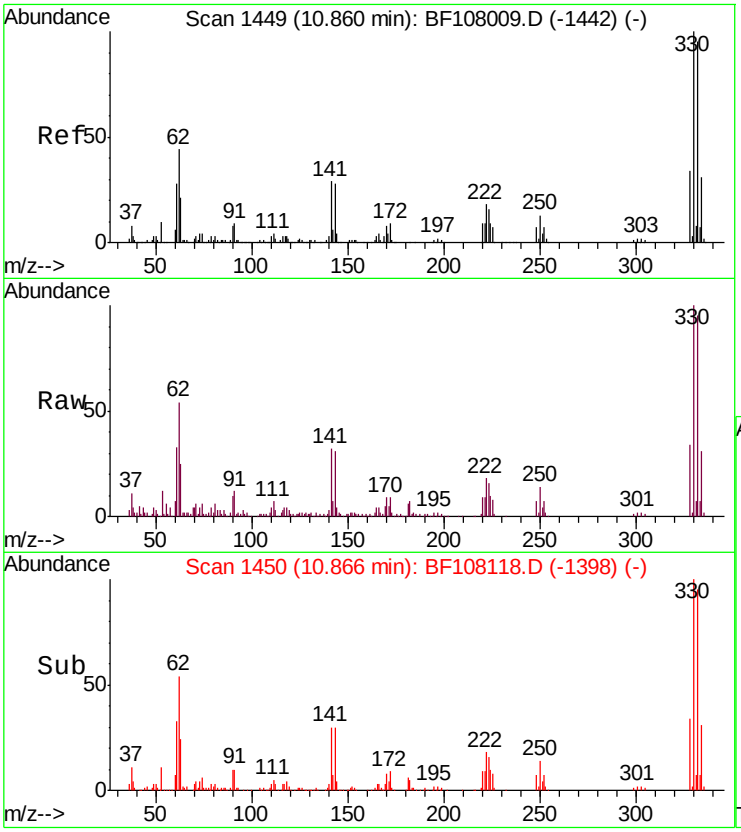


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:164 Resp: 491757

Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	45.8	38.3	57.5



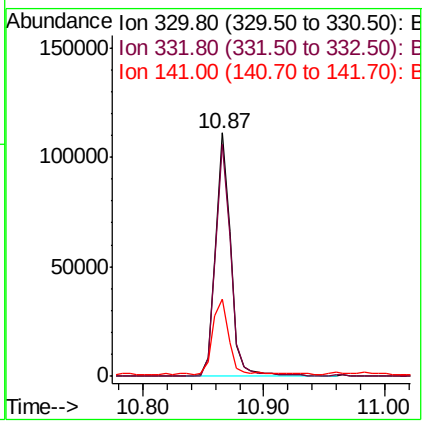


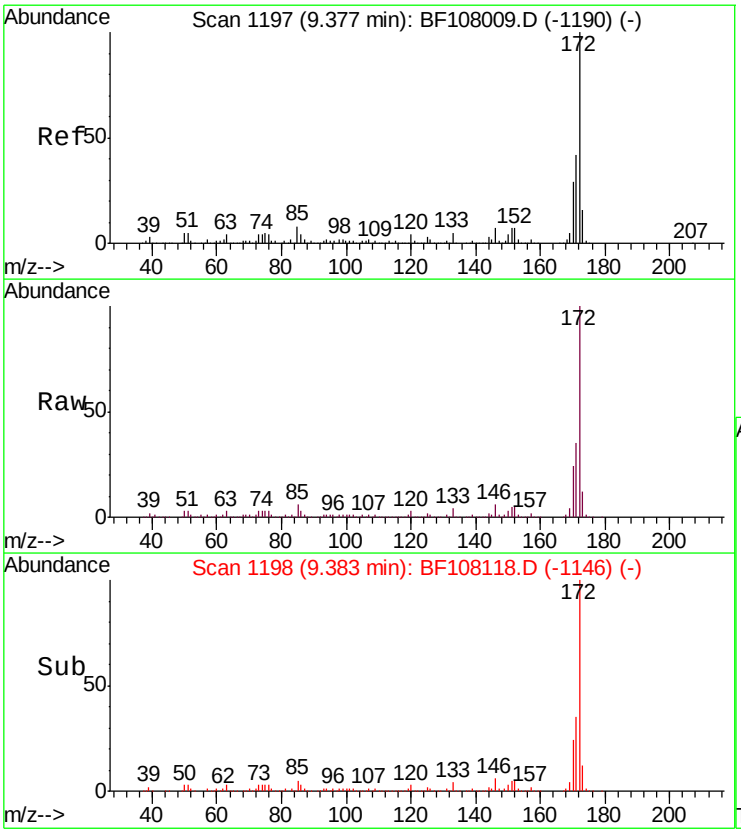
#41
2,4,6-Tribromophenol
Concen: 19.428 ng
RT: 10.87 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 95298

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	33.1	29.9	44.9

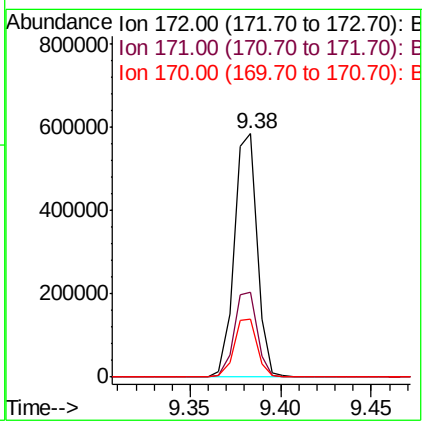


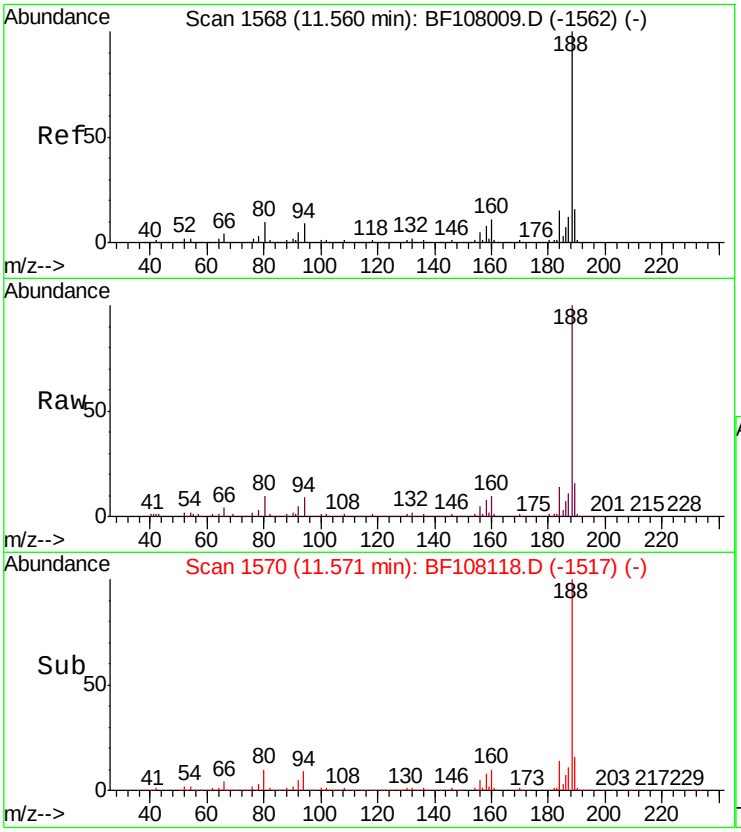


#44
2-Fluorobiphenyl
Concen: 16.861 ng
RT: 9.38 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:172 Resp: 516459

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



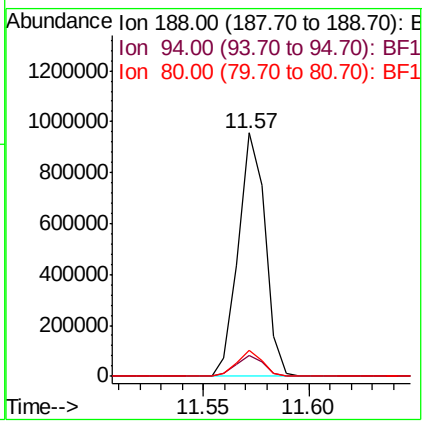


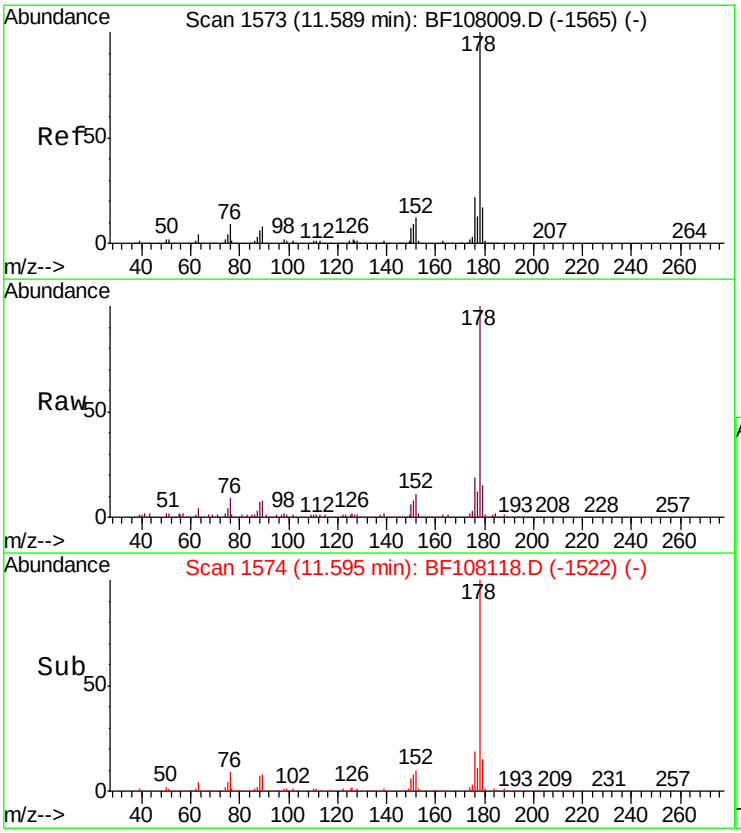
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 841626

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	10.5	9.2	13.8

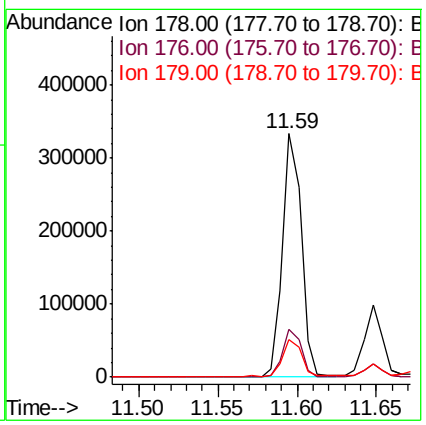


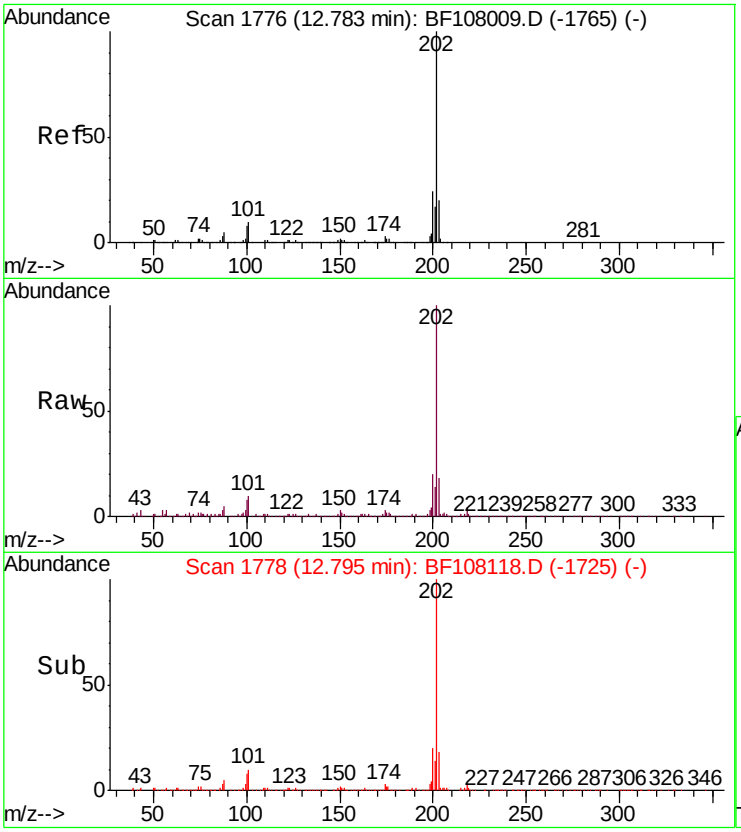


#70
Phenanthrene
Concen: 6.932 ng
RT: 11.59 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:178 Resp: 275180

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.3	13.0	19.6



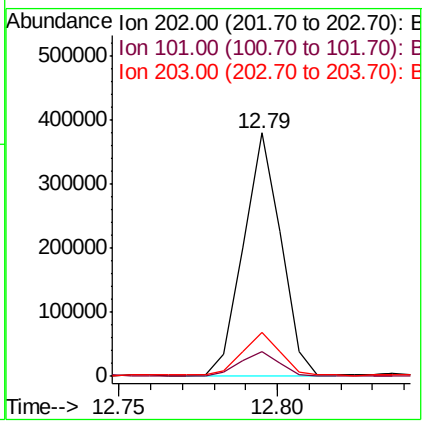


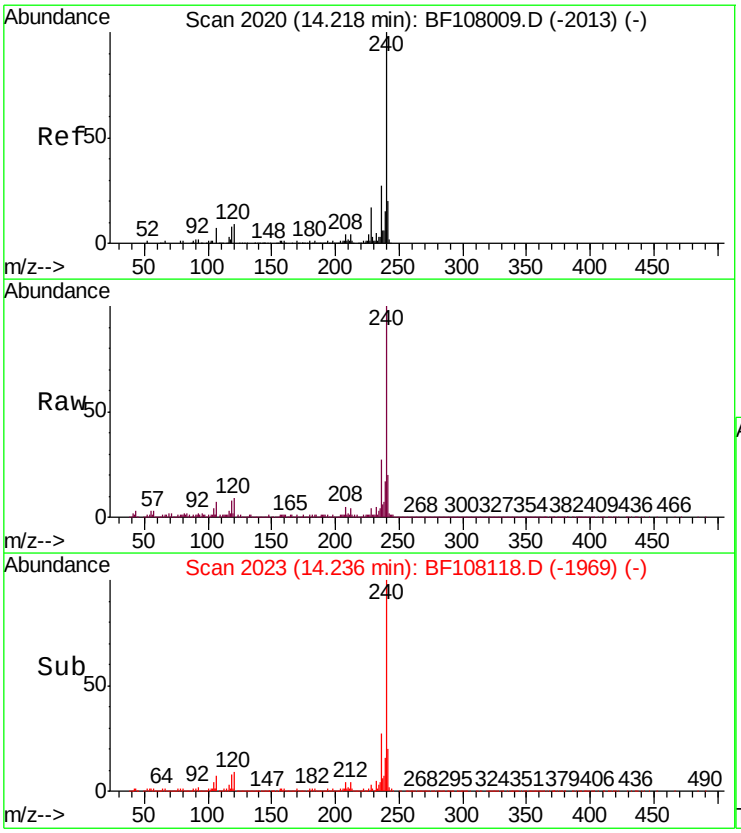
#74
Fluoranthene
Concen: 7.181 ng
RT: 12.79 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 311108

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	34.1
203	18.0	0.0	38.1

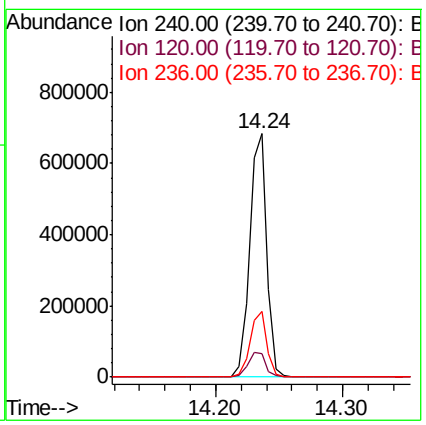


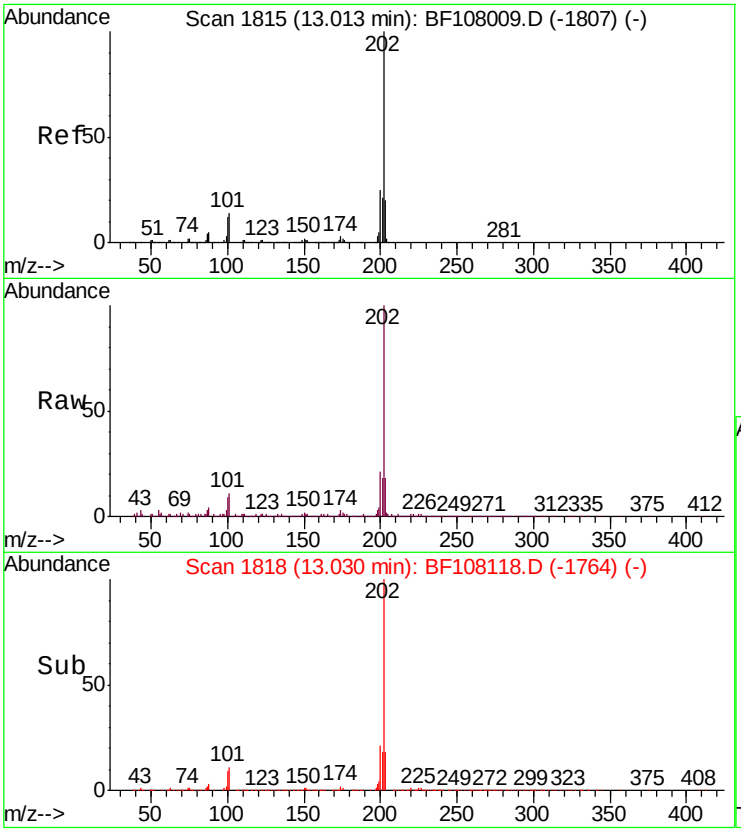


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.24 min Scan# 2023
Delta R.T. 0.02 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:240 Resp: 638859

Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	26.9	20.7	31.1



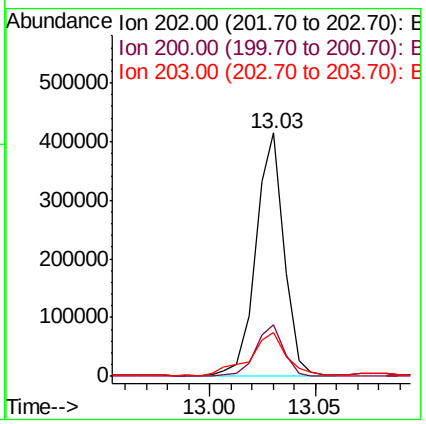


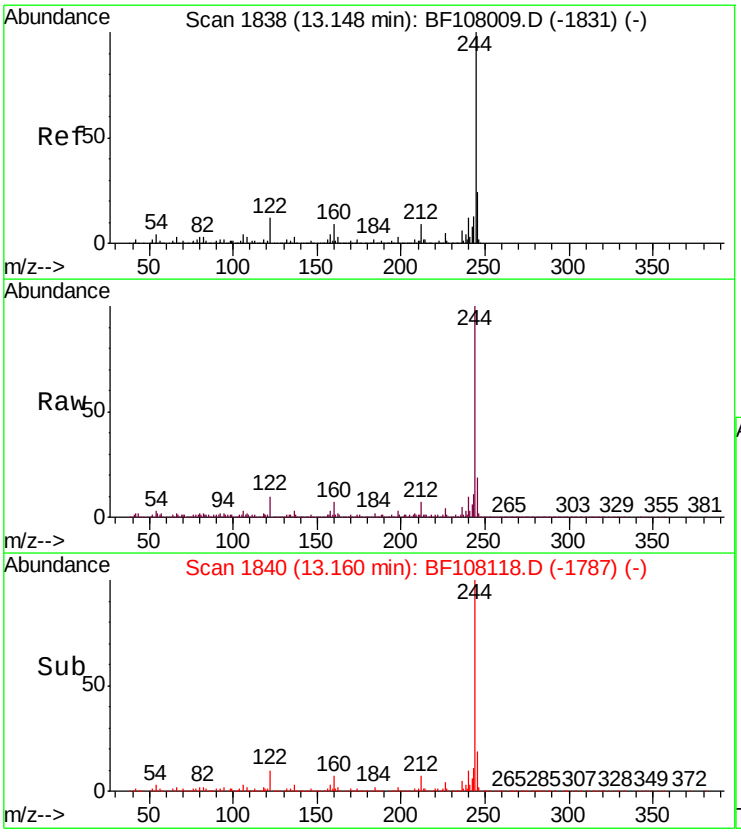
#77
Pyrene
Concen: 9.448 ng
RT: 13.03 min Scan# 1818
Delta R.T. 0.02 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 382147

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.1	14.3	21.5

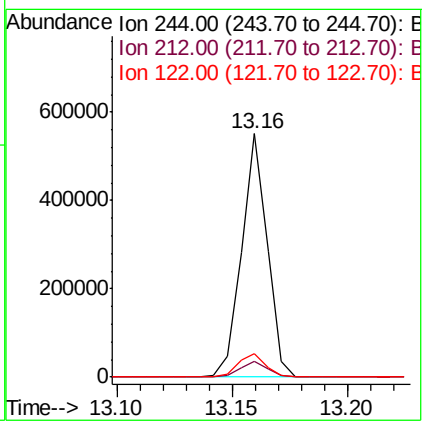


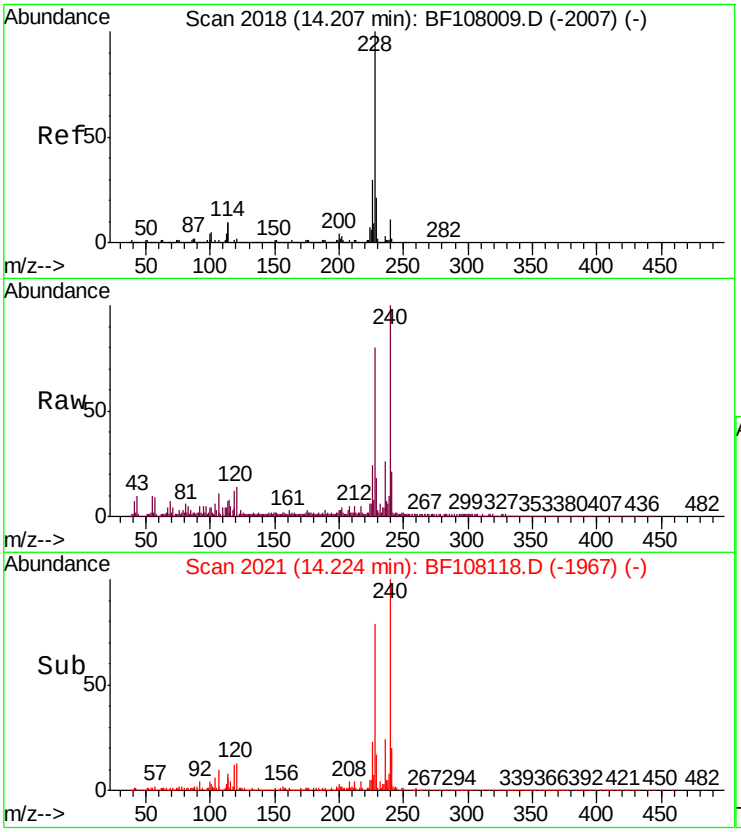


#78
Terphenyl-d14
Concen: 16.892 ng
RT: 13.16 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:244 Resp: 424438

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.7	11.0	16.4#



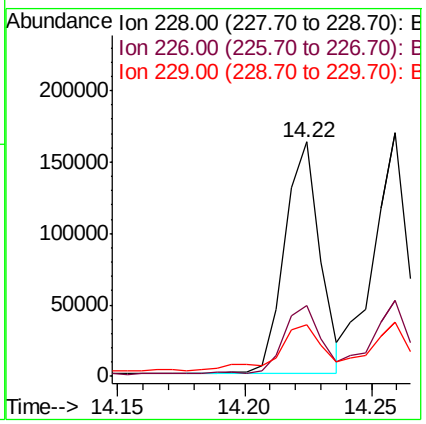


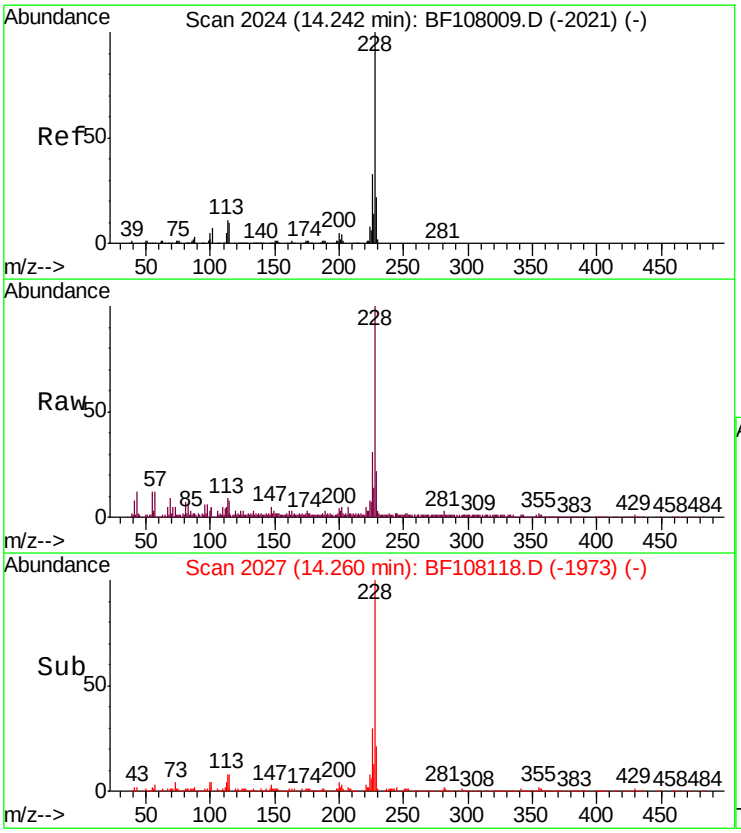
#80
Benzo(a)anthracene
Concen: 4.261 ng
RT: 14.22 min Scan# 2021
Delta R.T. 0.02 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 156229

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	22.1	15.8	23.6

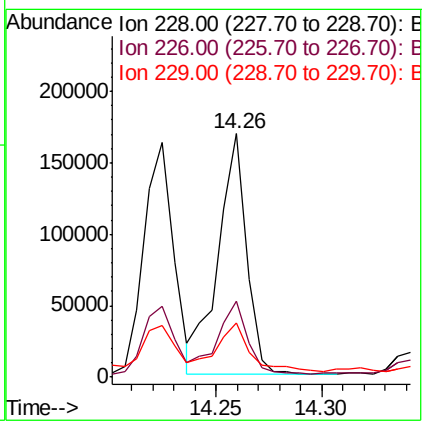


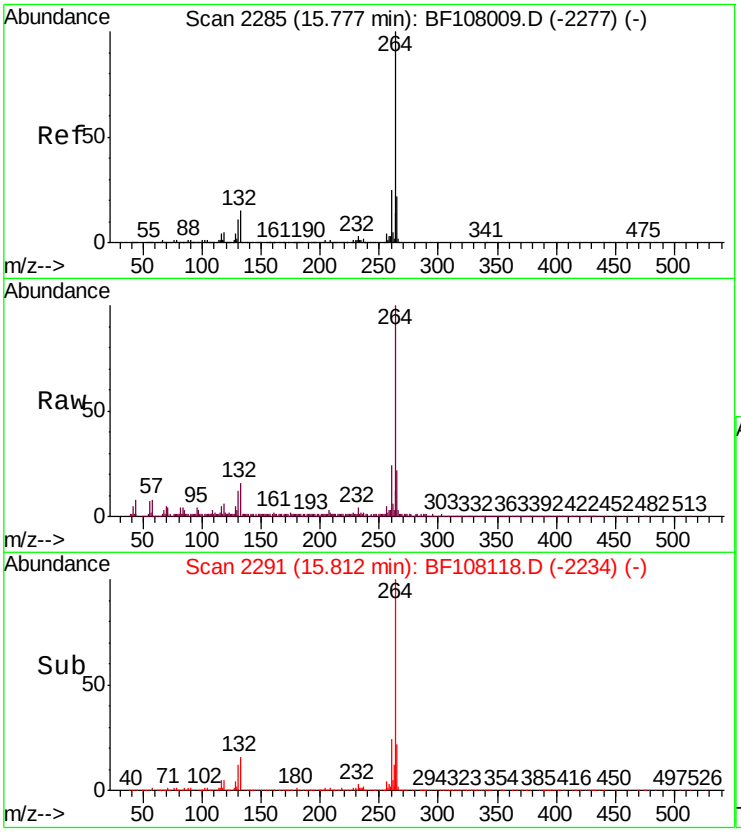


#82
Chrysene
Concen: 4.683 ng
RT: 14.26 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:228 Resp: 157416

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.1	16.2	24.4



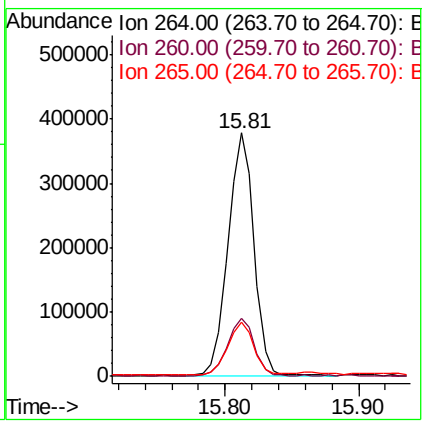


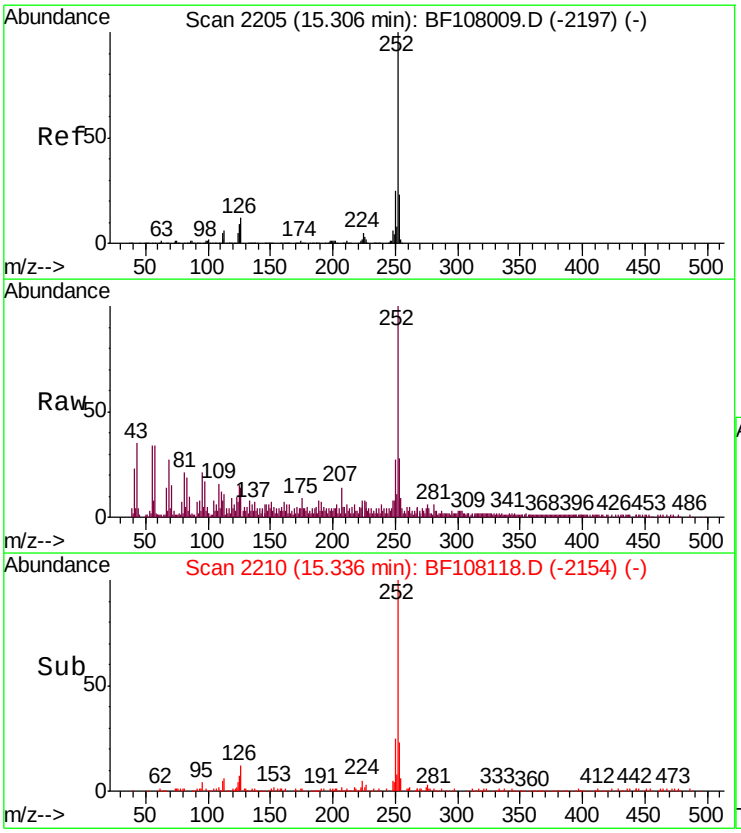
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2291
Delta R.T. 0.04 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 509120

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	17.5	26.3

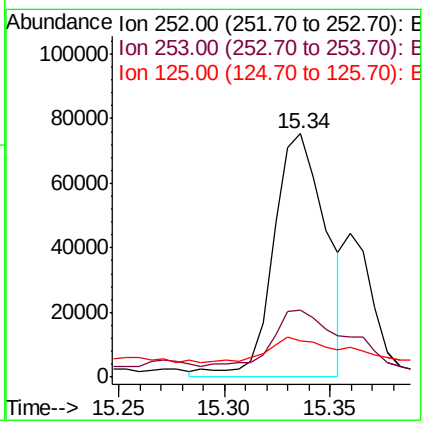


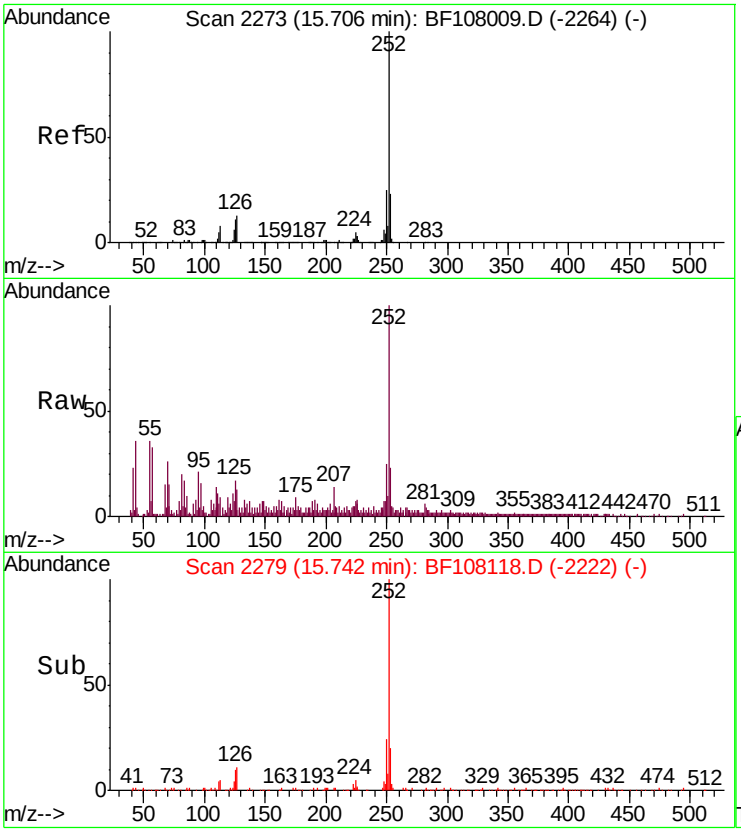


#87
Benzo(b)fluoranthene
Concen: 4.307 ng m
RT: 15.34 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:252 Resp: 131035

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.0	25.6#
125	14.6	9.0	13.6#





#89
Benzo(a)pyrene
Concen: 3.715 ng
RT: 15.74 min Scan# 2279
Delta R.T. 0.04 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 101204

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	16.6	9.8	14.6#