Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108384.D
Acq On : 22 Aug 2018 15:46
Operator : JU/SJ
Sample : J4573-03 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 22 17:07:02 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 22 11:01:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	160048	20.00	ng		0.00
21) Naphthalene-d8	8.28	136	631073	20.00	ng		0.00
38) Acenaphthene-d10	10.05	164	332126	20.00	ng		0.00
63) Phenanthrene-d10	11.54	188	661043	20.00	ng		0.00
75) Chrysene-d12	14.19	240	432289	20.00	ng		0.00
86) Perylene-d12	15.75	264	354864	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	174055	19.69	ng		-0.01
7) Phenol-d6	6.61	99	237001	20.17	ng		-0.02
23) Nitrobenzene-d5	7.55	82	153745	13.59	ng		-0.02
41) 2,4,6-Tribromophenol	10.84	330	71087	21.46	ng		-0.01
44) 2-Fluorobiphenyl	9.35	172	254083	12.28	ng		-0.01
78) Terphenyl-d14	13.12	244	273581	16.09	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.55	70	19746	2.486	ng	#	86
25) Isophorone	7.55	82	153743	7.132	ng	#	64
31) Naphthalene	8.31	128	115564	4.027	ng		98
32) Benzoic acid	8.30	122	253	6.014	ng	#	1
49) Dimethylphthalate	9.75	163	46712	2.019	ng	#	98
50) 2,6-Dinitrotoluene	10.05	165	44299	9.152	ng	#	26
56) 2,4-Dinitrotoluene	10.05	165	44299	7.110	ng	#	24
70) Phenanthrene	11.57	178	193341	6.201	ng		98
74) Fluoranthene	12.76	202	245941	7.228	ng		95
77) Pyrene	12.99	202	258418	9.442	ng		99
80) Benzo(a)anthracene	14.18	228	96010	3.870	ng		95
82) Chrysene	14.22	228	83508	3.672	ng		96
85) Indeno(1,2,3-cd)pyrene	17.35	276	67920	3.446	ng	#	89
87) Benzo(b)fluoranthene	15.28	252	132831	6.264	ng		96
88) Benzo(k)fluoranthene	15.28	252	132831	6.815	ng	#	96
89) Benzo(a)pyrene	15.68	252	78186	4.118	ng		97
91) Benzo(g,h,i)perylene	17.85	276	109291	7.065	ng	#	90

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

Quantitation Report (Not Reviewed)

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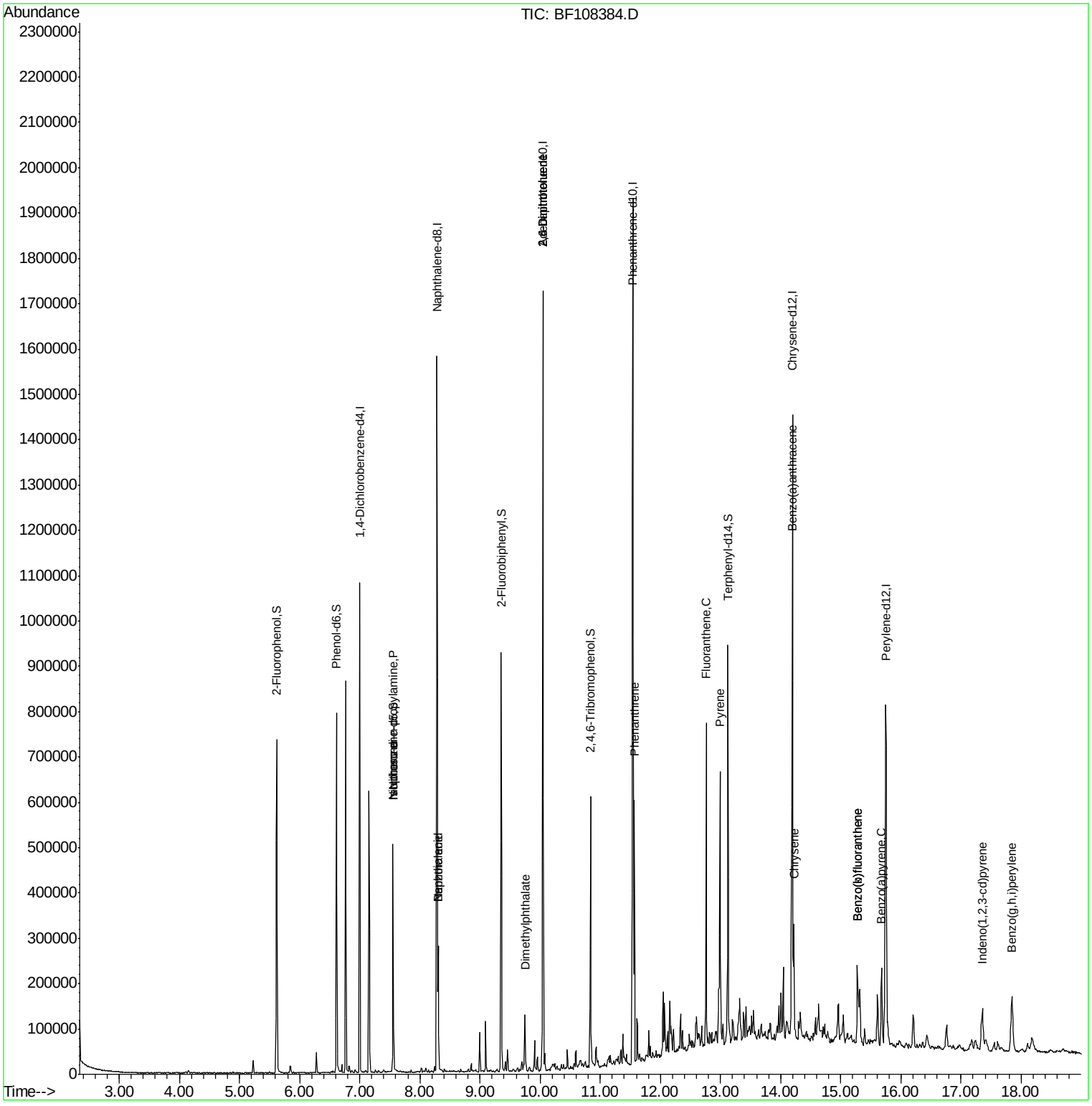
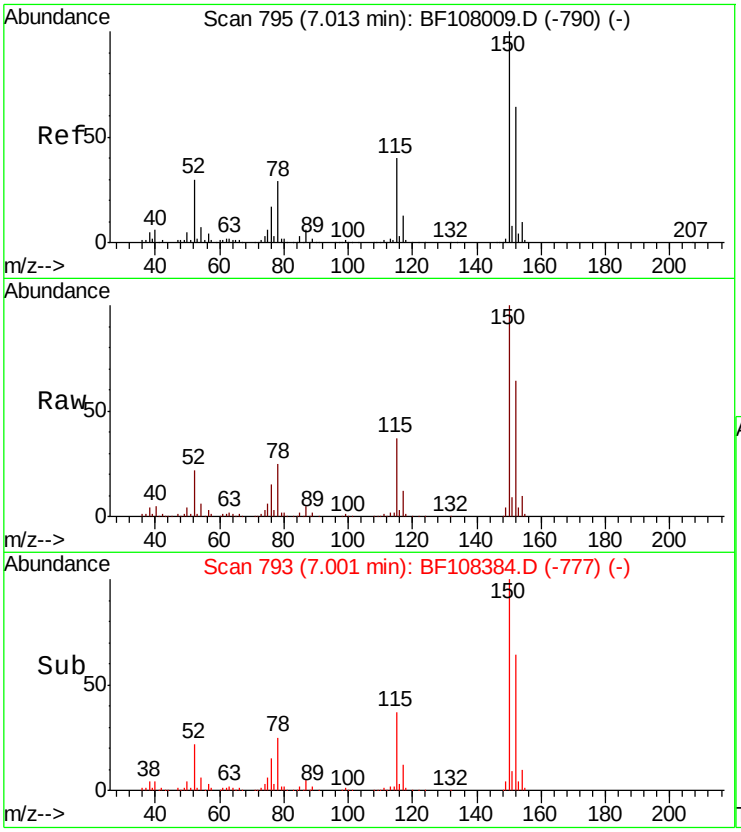


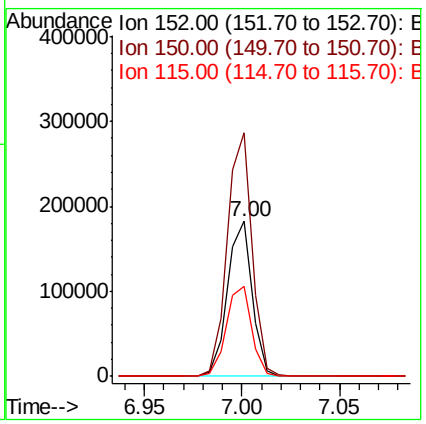


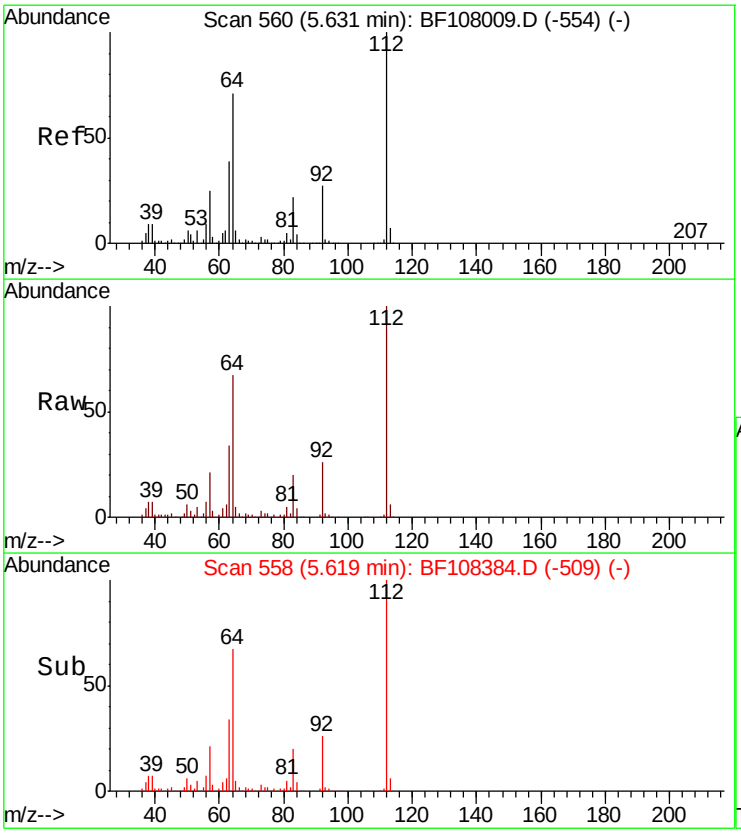
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 160048

Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	58.5	50.1	75.1

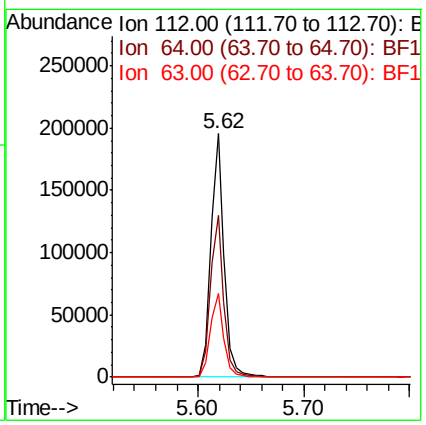


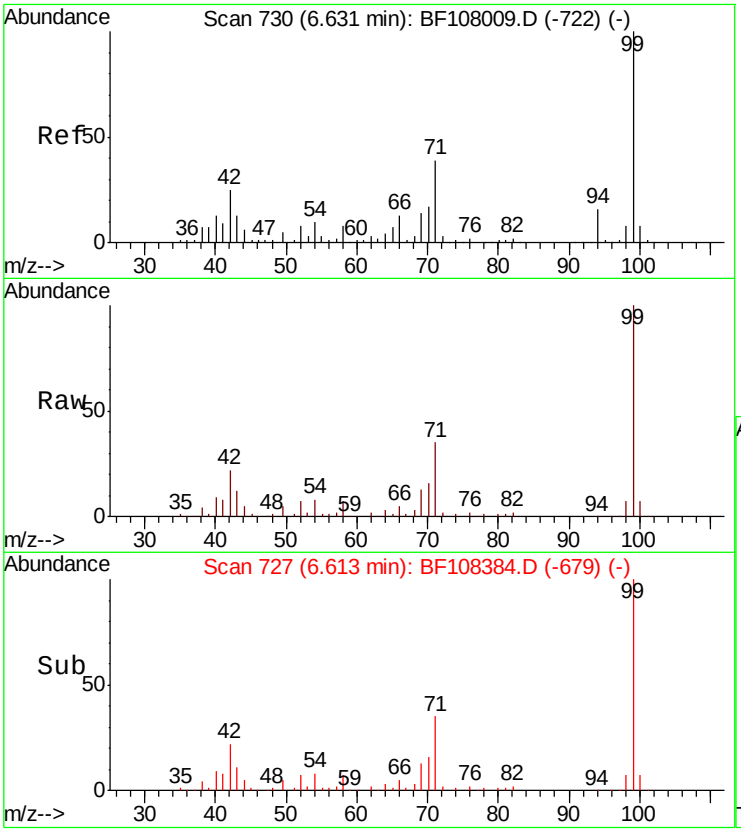


#5
2-Fluorophenol
Concen: 19.689 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:112 Resp: 174055

Ion	Ratio	Lower	Upper
112	100		
64	66.6	47.9	71.9
63	34.4	23.7	35.5



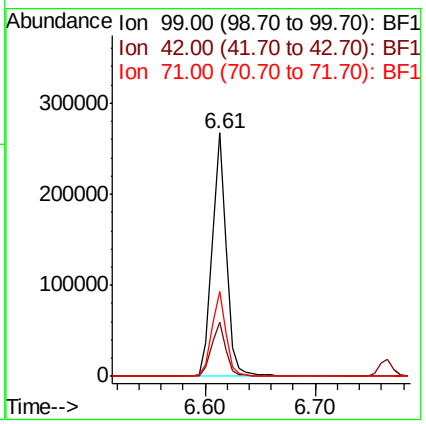


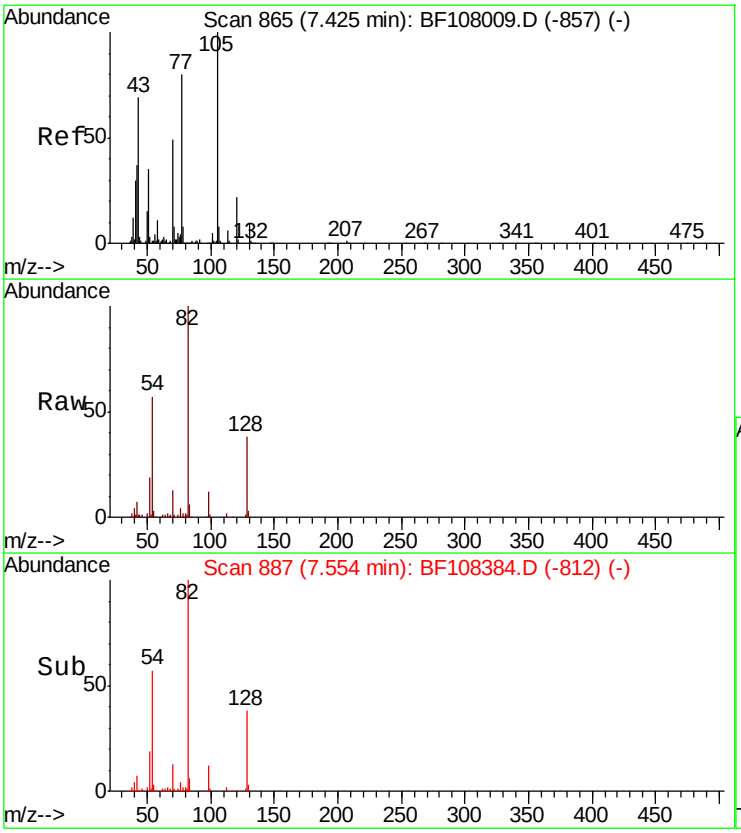
#7
Phenol-d6
Concen: 20.175 ng
RT: 6.61 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 237001

Ion	Ratio	Lower	Upper
99	100		
42	22.0	14.5	21.7#
71	35.0	25.4	38.0

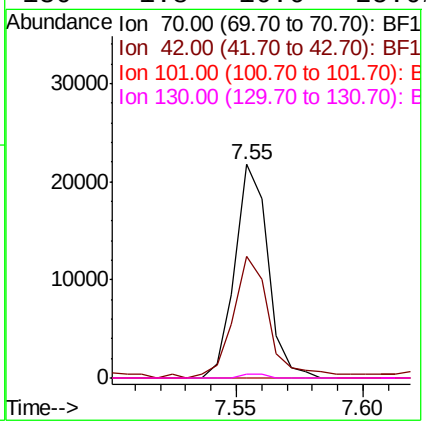


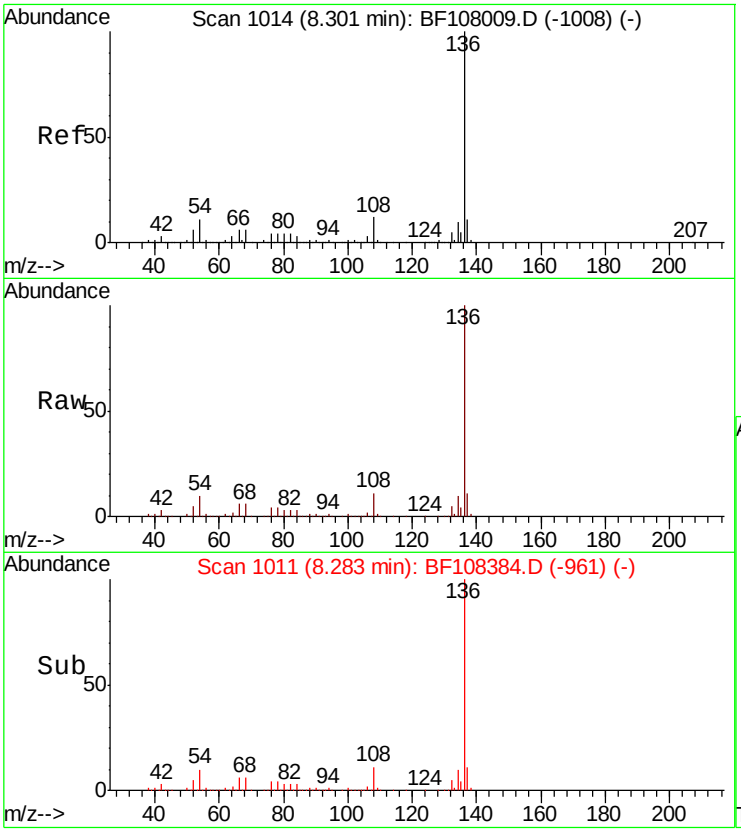


#19
n-Nitroso-di-n-propylamine
Concen: 2.486 ng
RT: 7.55 min Scan# 887
Delta R.T. 0.14 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion: 70 Resp: 19746

Ion	Ratio	Lower	Upper
70	100		
42	57.1	47.5	71.3
101	0.0	7.4	11.2#
130	1.8	16.6	25.0#



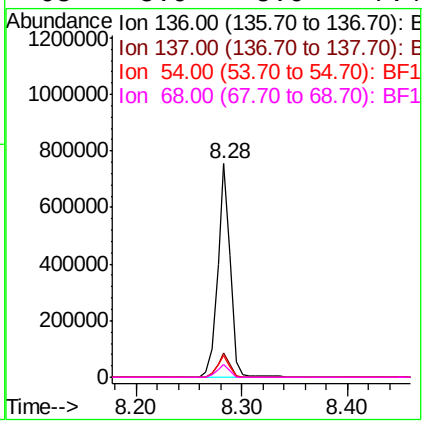


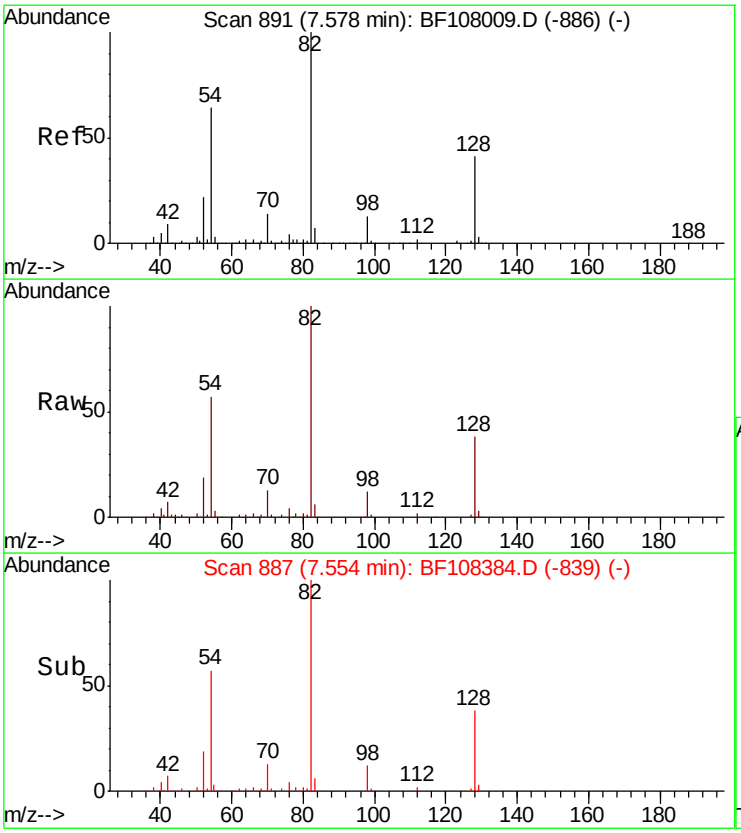
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 631073

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.0	6.6	9.8#
68	5.9	5.0	7.4

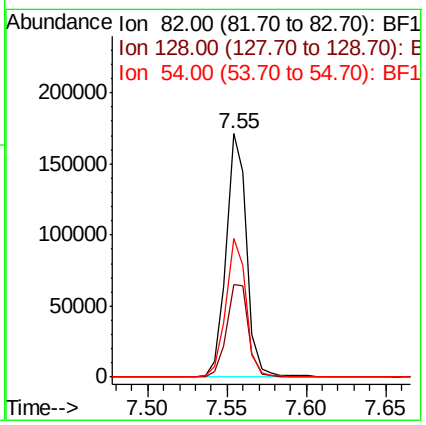


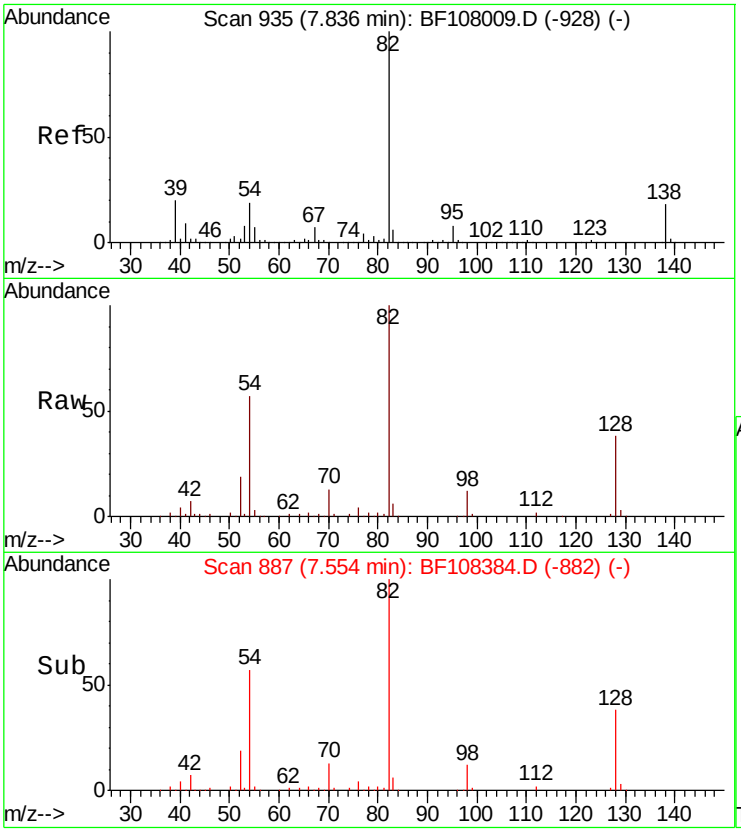


#23
Nitrobenzene-d5
Concen: 13.595 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion: 82 Resp: 153745

Ion	Ratio	Lower	Upper
82	100		
128	38.0	36.1	54.1
54	56.7	41.4	62.2



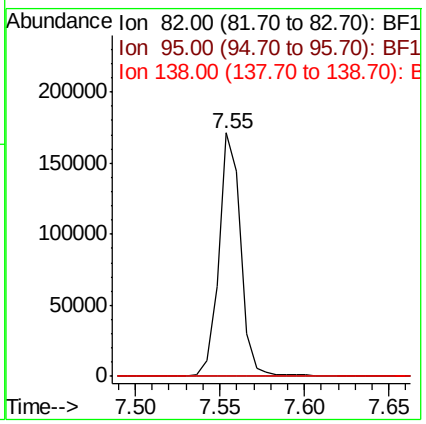


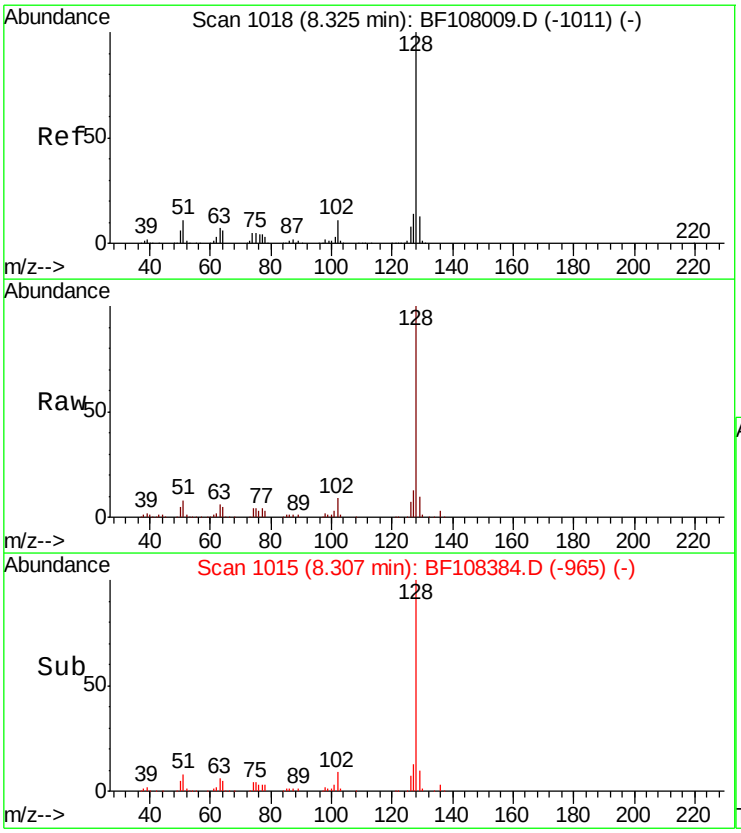
#25
Isophorone
Concen: 7.132 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.27 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 153743

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

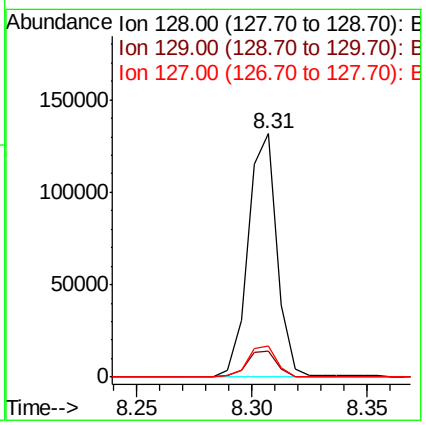


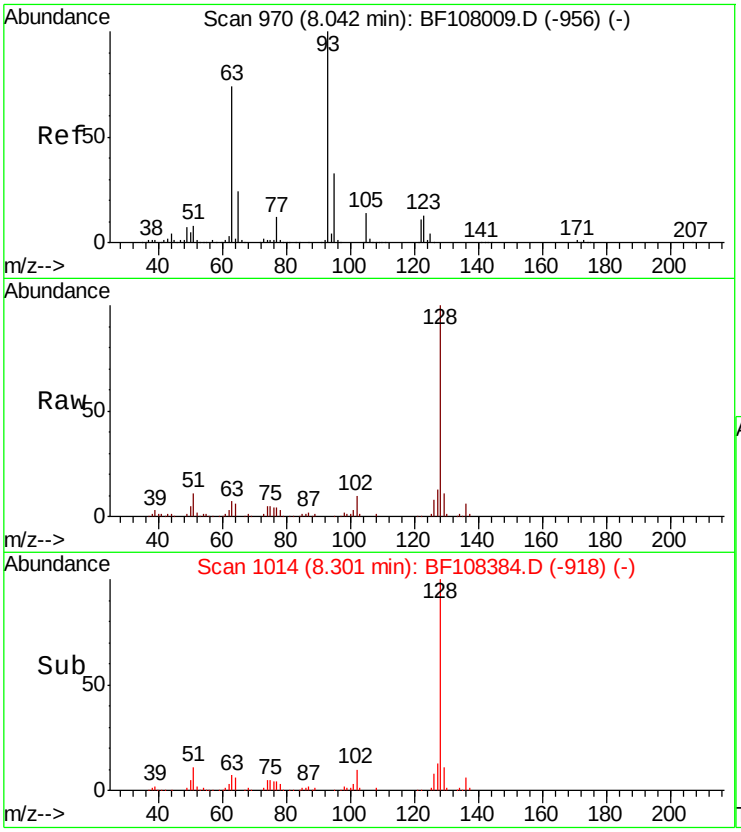


#31
Naphthalene
Concen: 4.027 ng
RT: 8.31 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:128 Resp: 115564

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	12.9	10.9	16.3



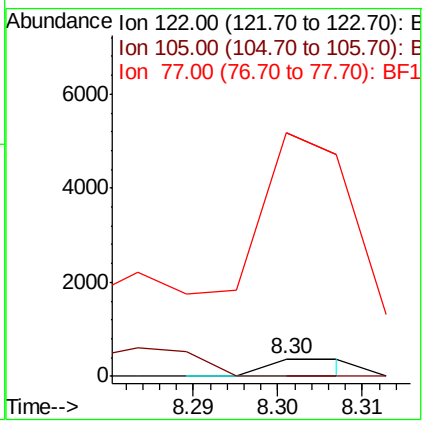


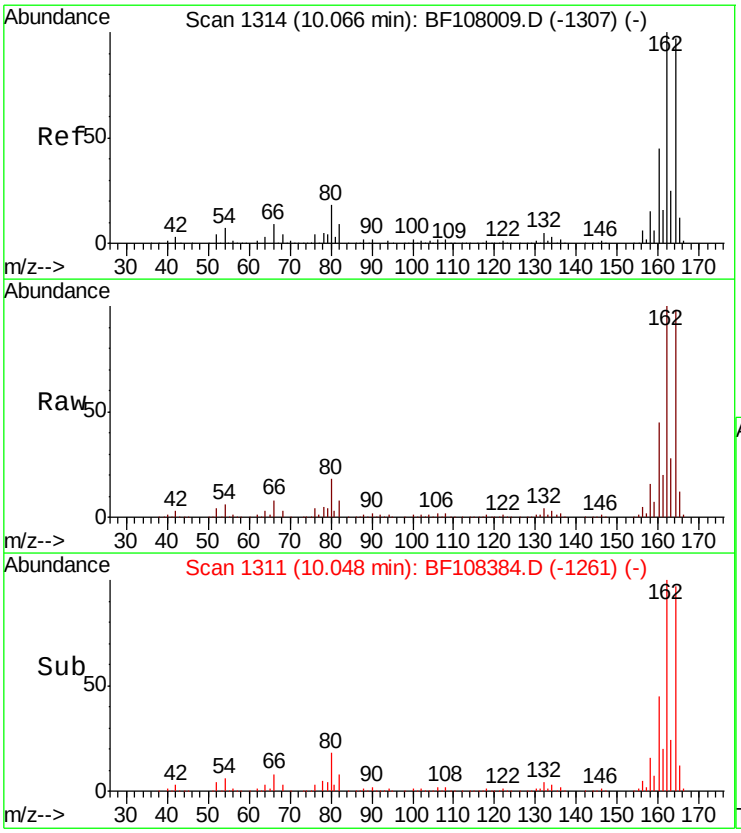
#32
Benzoic acid
Concen: 6.014 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.26 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 253

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	1406.8	70.7	110.7#

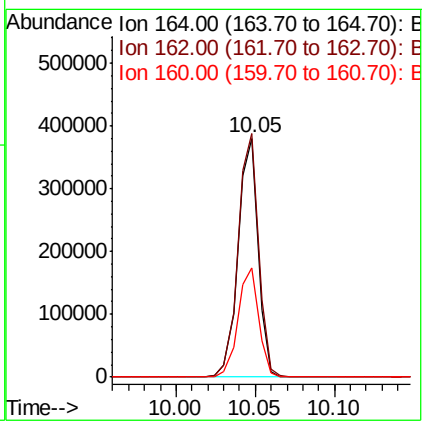


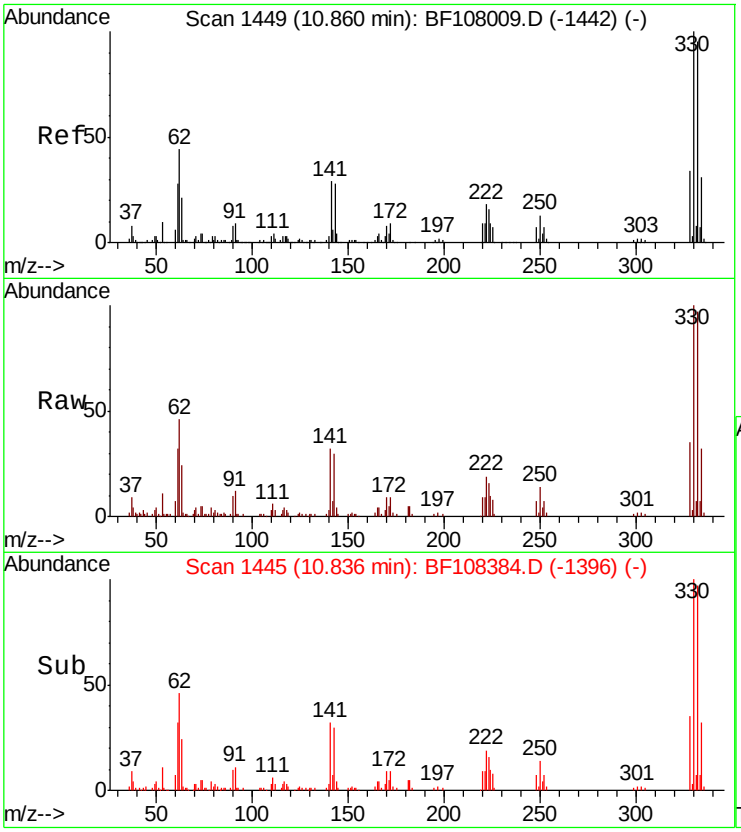


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:164 Resp: 332126

Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	45.9	38.3	57.5



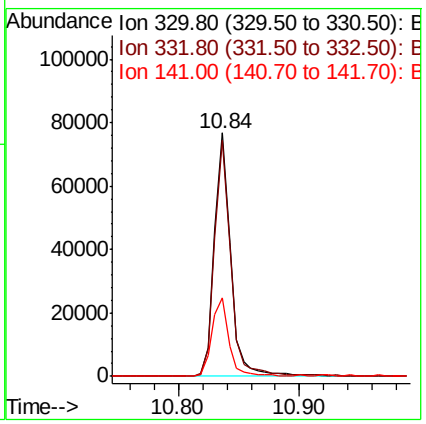


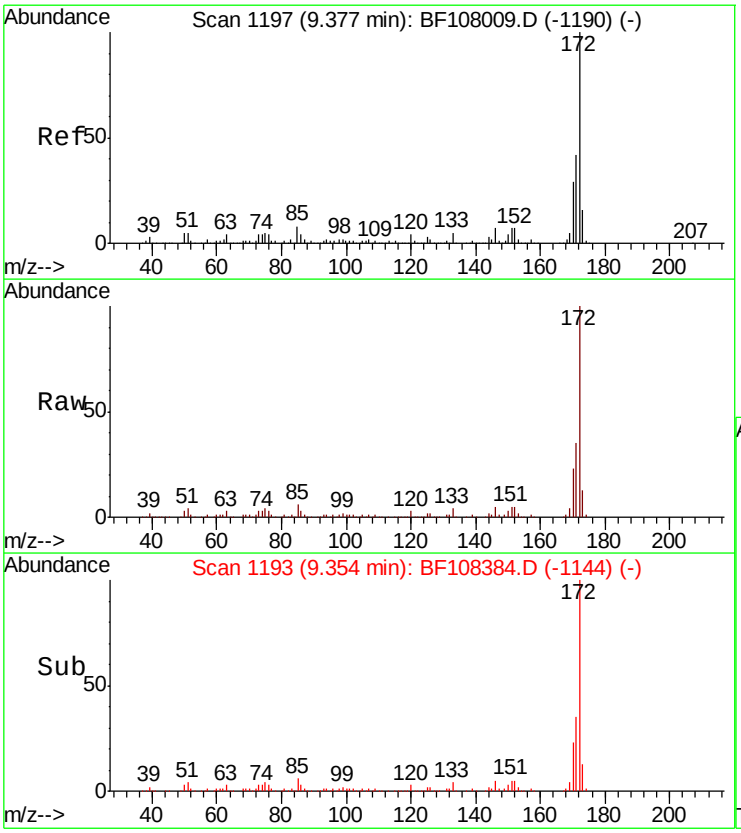
#41
2,4,6-Tribromophenol
Concen: 21.458 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 71087

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	34.2	29.9	44.9

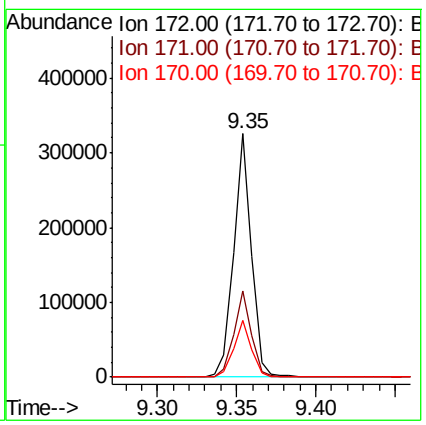


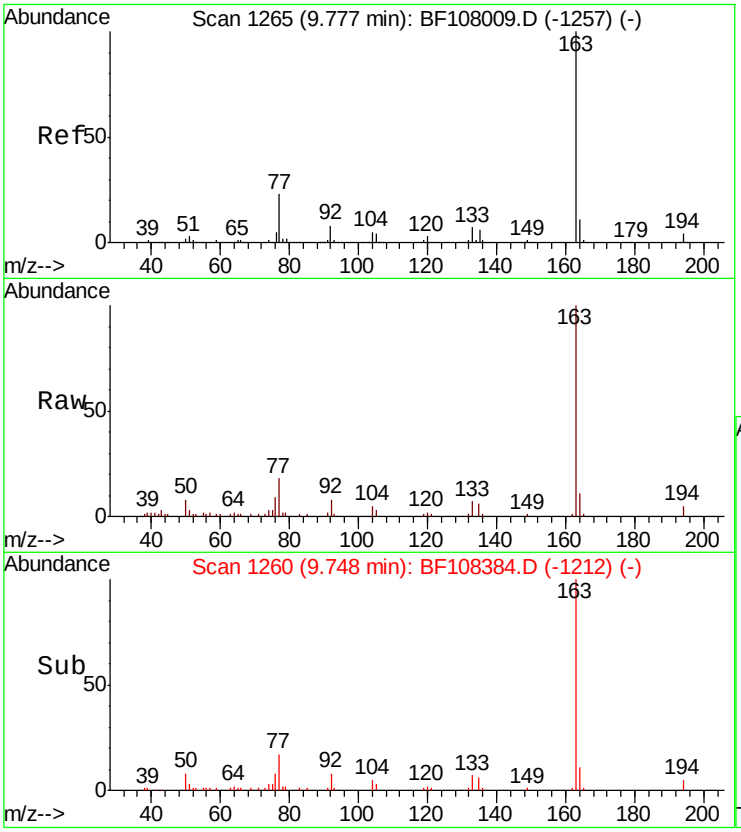


#44
2-Fluorobiphenyl
Concen: 12.282 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:172 Resp: 254083

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.2	19.6	29.4



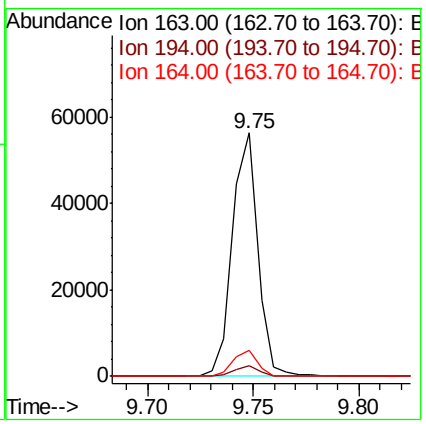


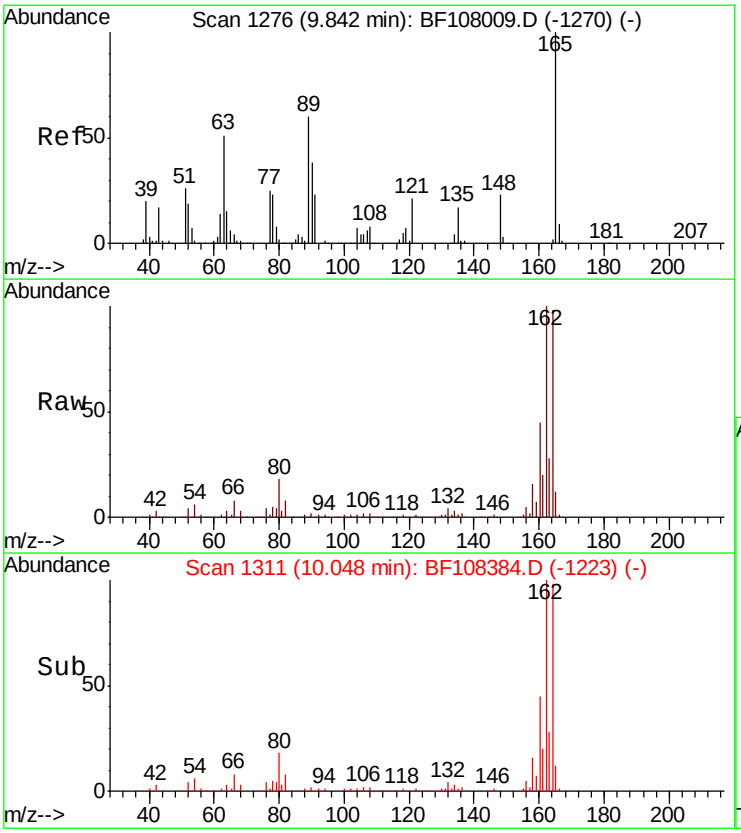
#49
Dimethylphthalate
Concen: 2.019 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 46712

Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.7	4.1#
164	10.8	8.2	12.2

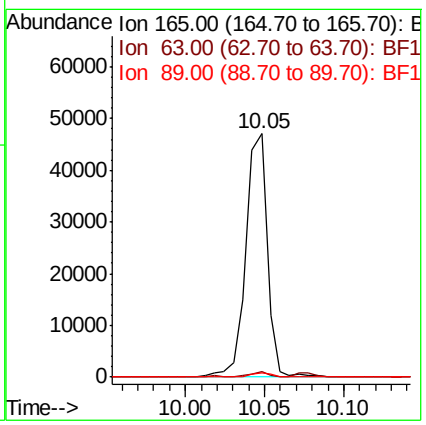


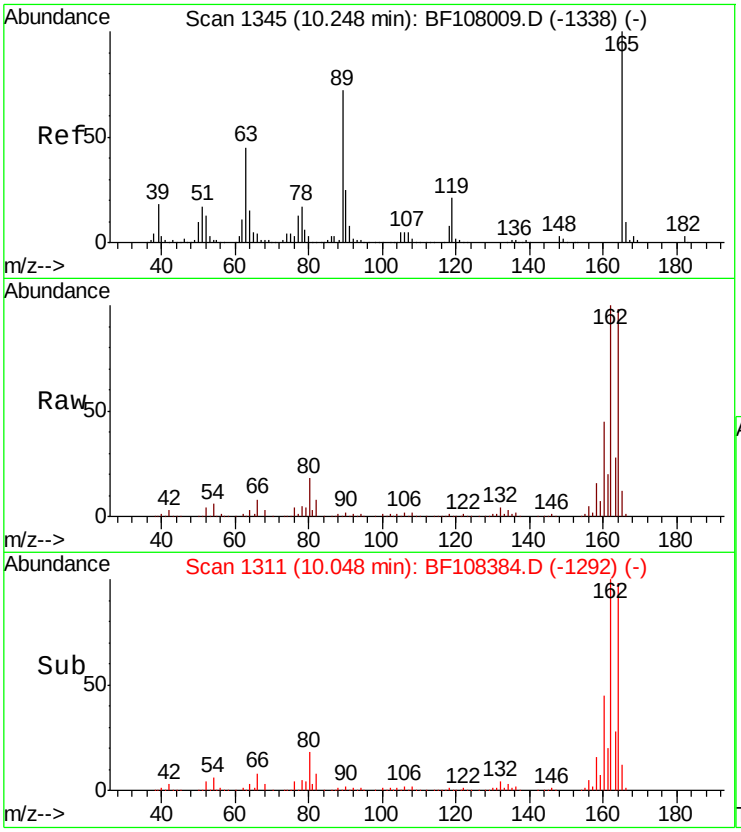


#50
2,6-Dinitrotoluene
Concen: 9.152 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.22 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:165 Resp: 44299

Ion	Ratio	Lower	Upper
165	100		
63	2.3	44.7	67.1#
89	1.6	44.0	66.0#



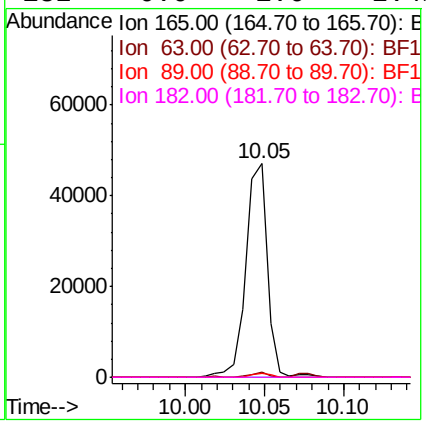


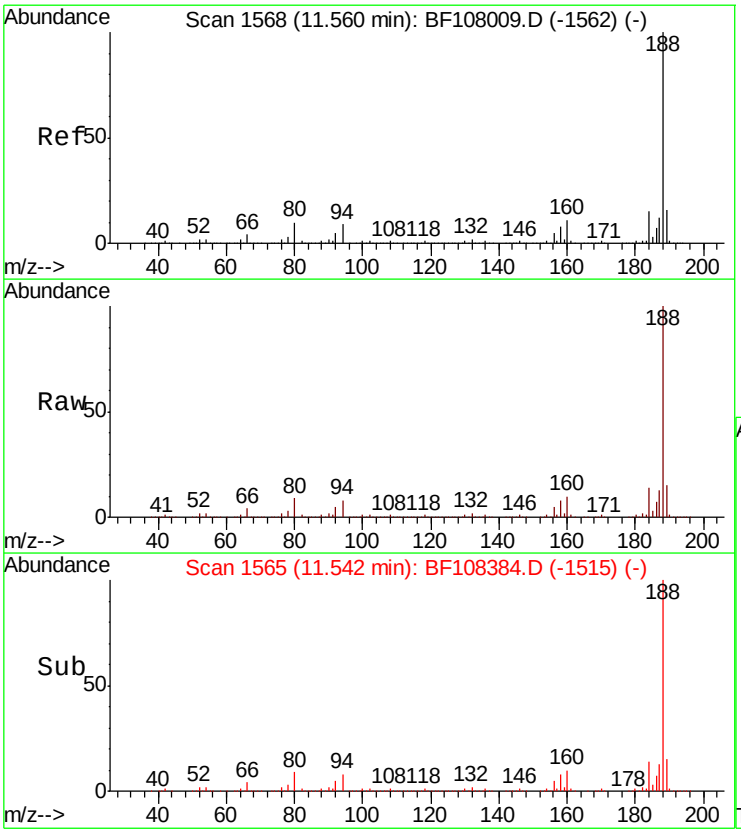
#56
2,4-Dinitrotoluene
Concen: 7.110 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.19 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 44299

Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

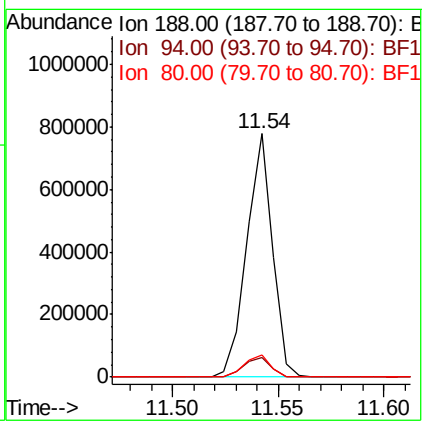


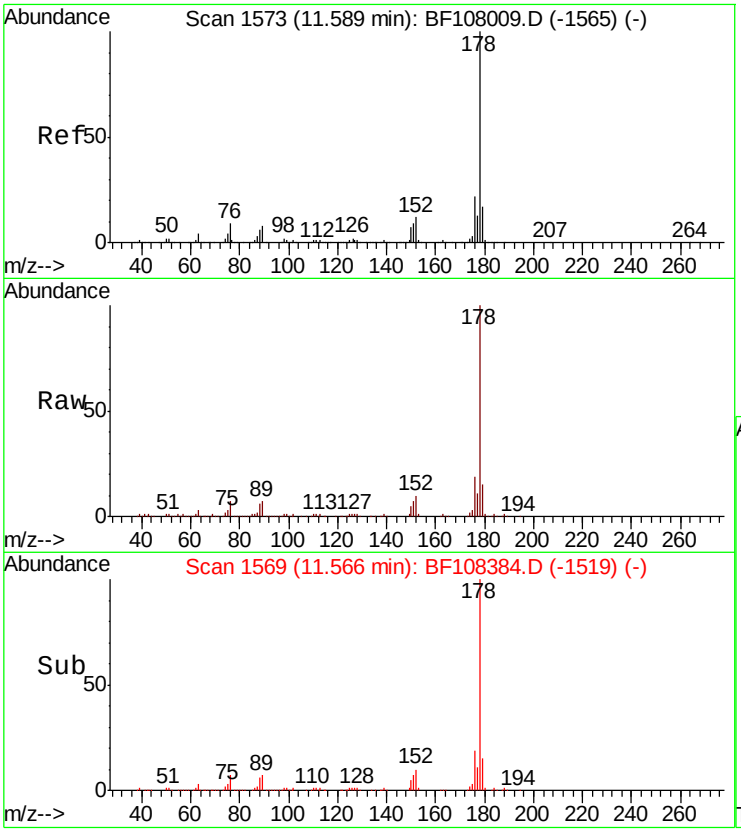


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:188 Resp: 661043

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



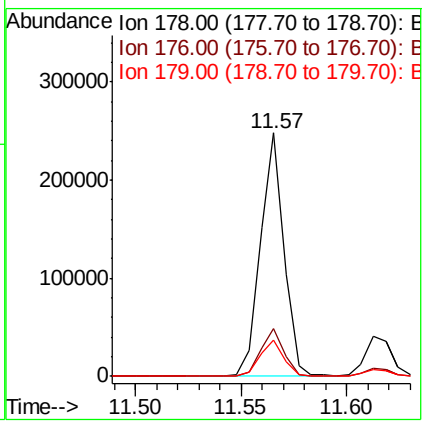


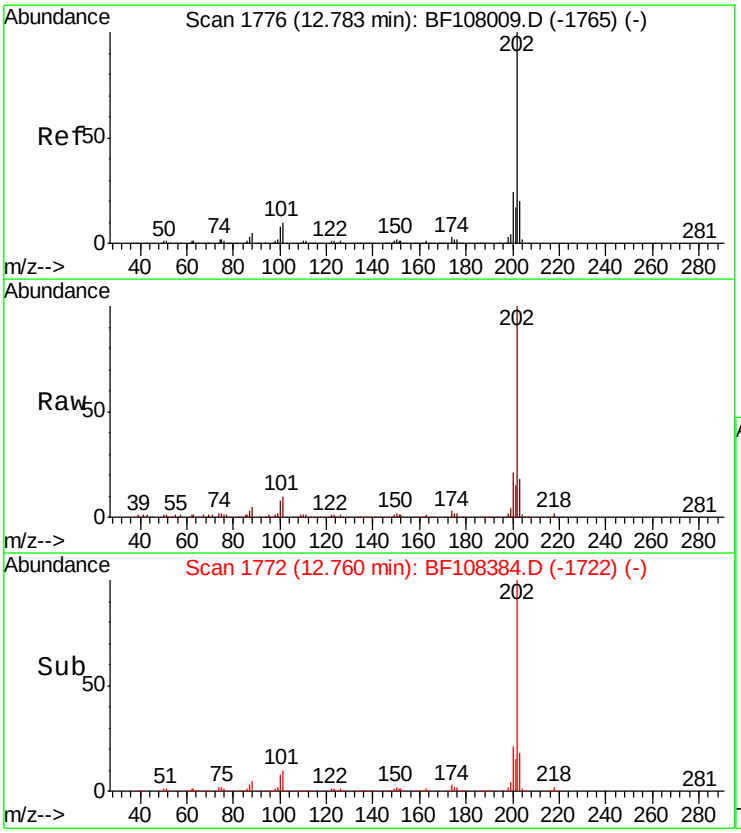
#70
Phenanthrene
Concen: 6.201 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 193341

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.1	13.0	19.6

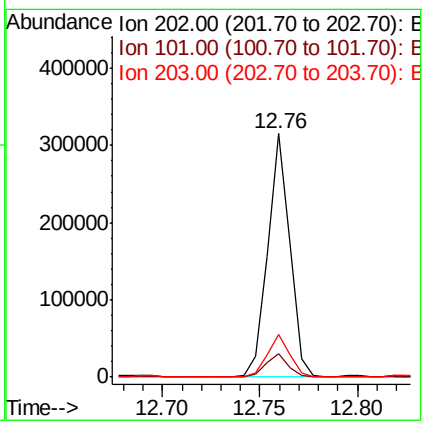


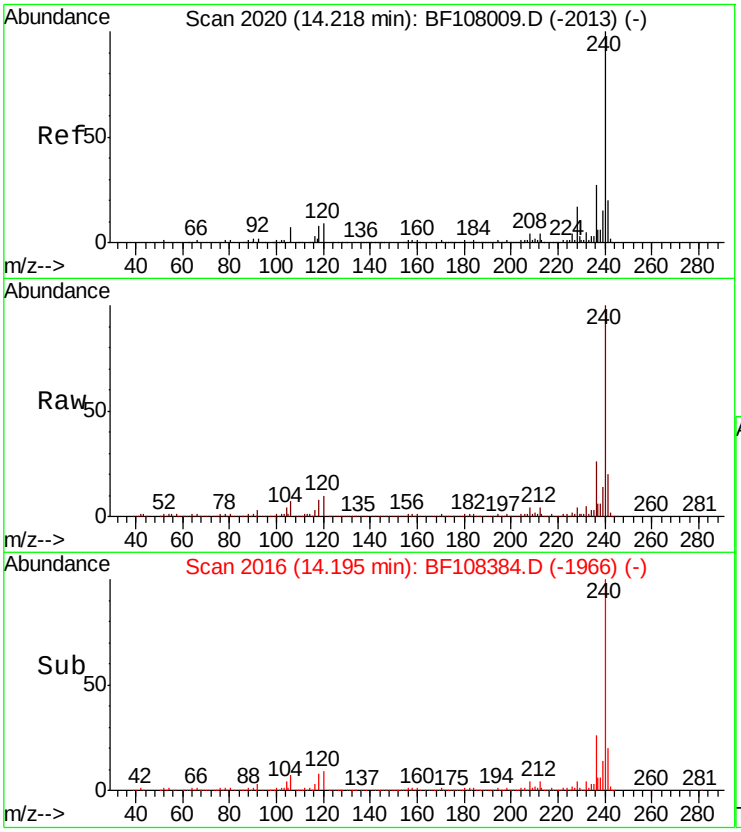


#74
Fluoranthene
Concen: 7.228 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:202 Resp: 245941

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.1
203	17.7	0.0	38.1



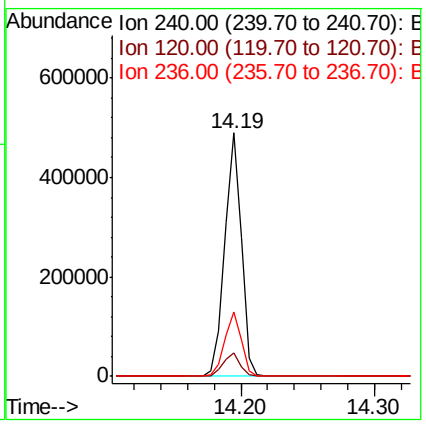


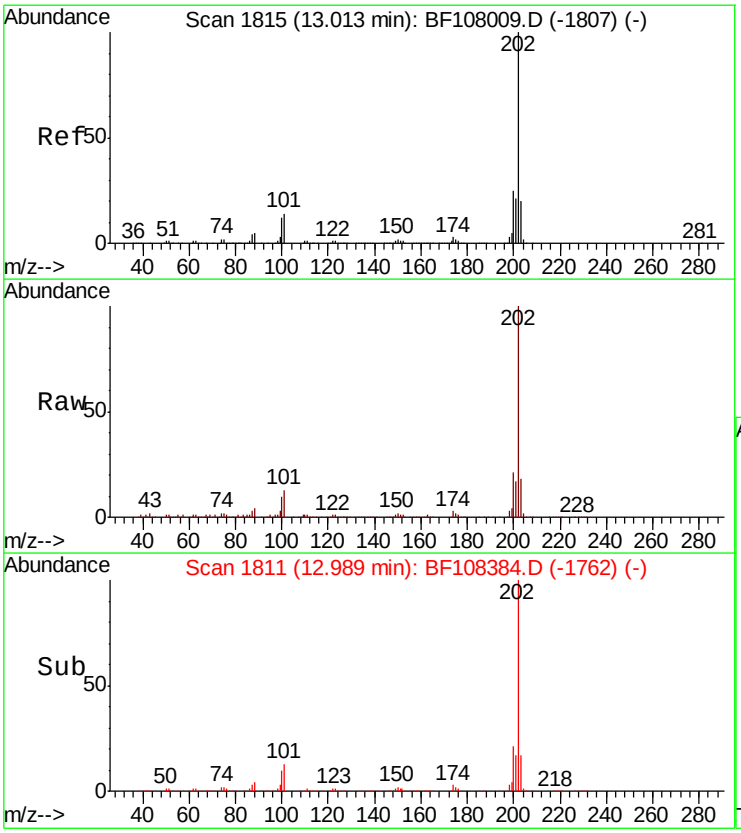
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 432289

Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3
236	26.4	20.7	31.1

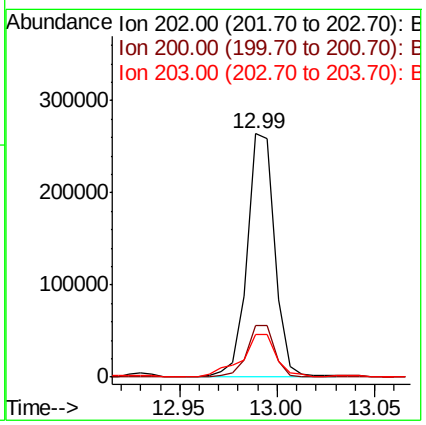


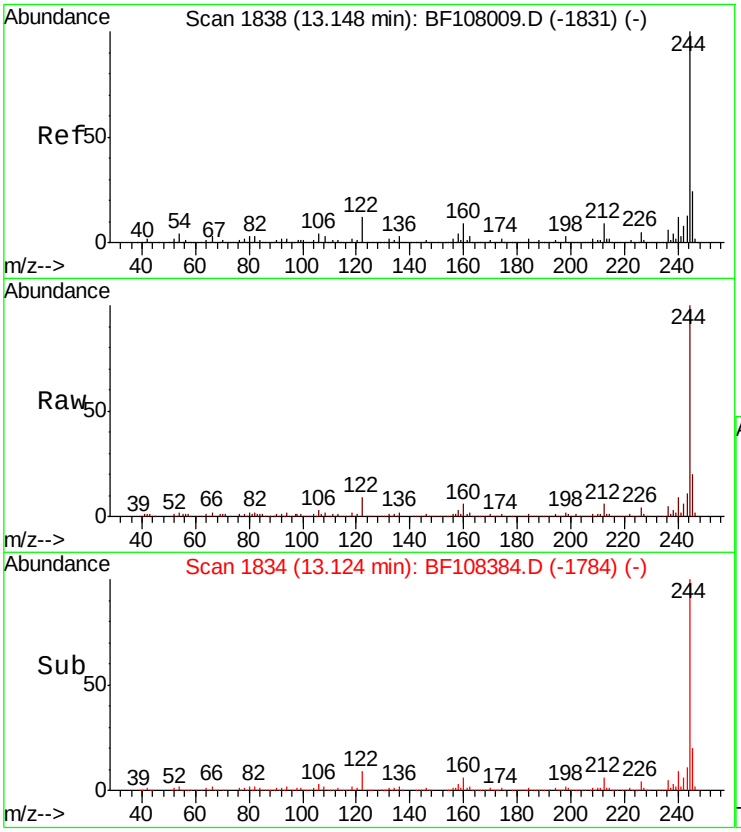


#77
Pyrene
Concen: 9.442 ng
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:202 Resp: 258418

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.6	14.3	21.5



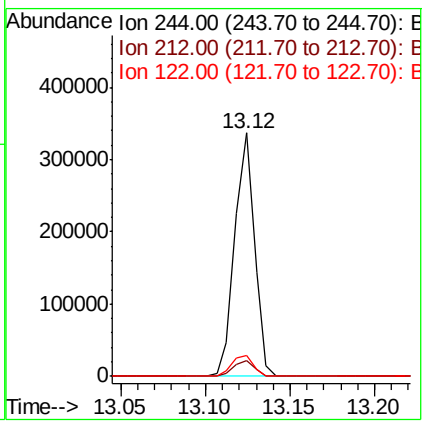


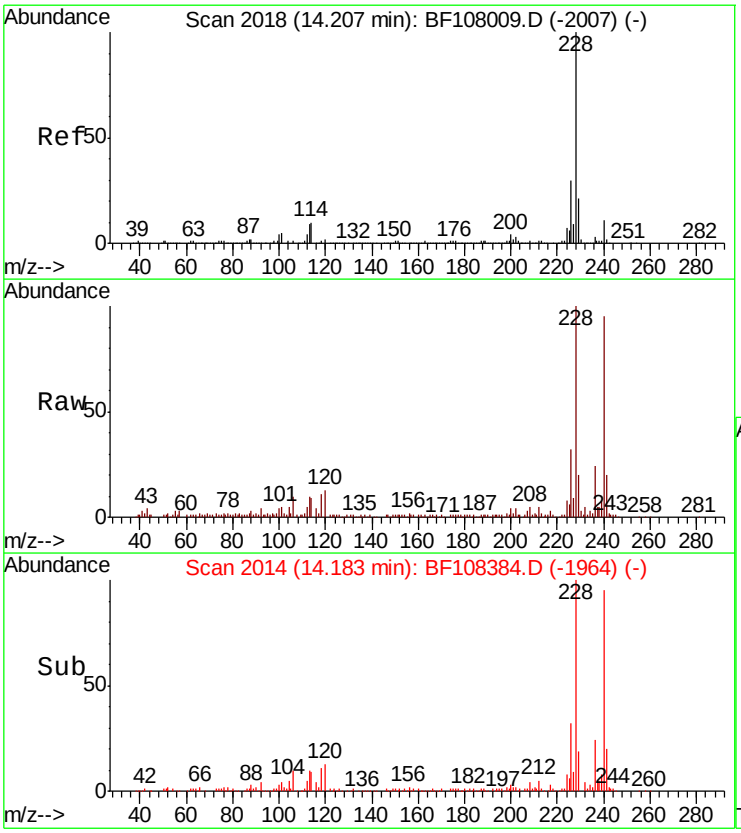
#78
Terphenyl-d14
Concen: 16.091 ng
RT: 13.12 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 273581

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.8	11.0	16.4#

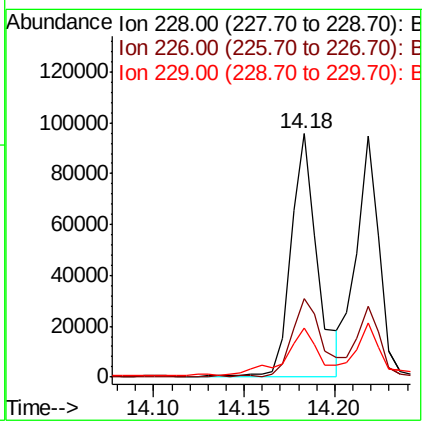


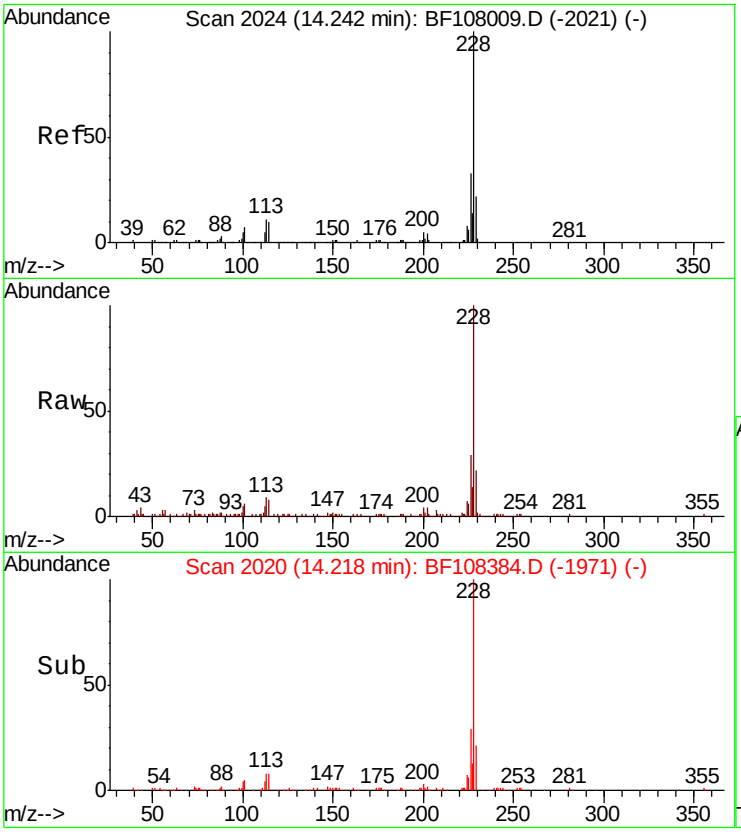


#80
Benzo(a)anthracene
Concen: 3.870 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:228 Resp: 96010

Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	20.2	15.8	23.6



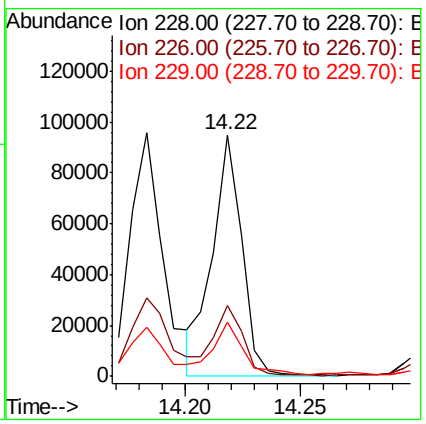


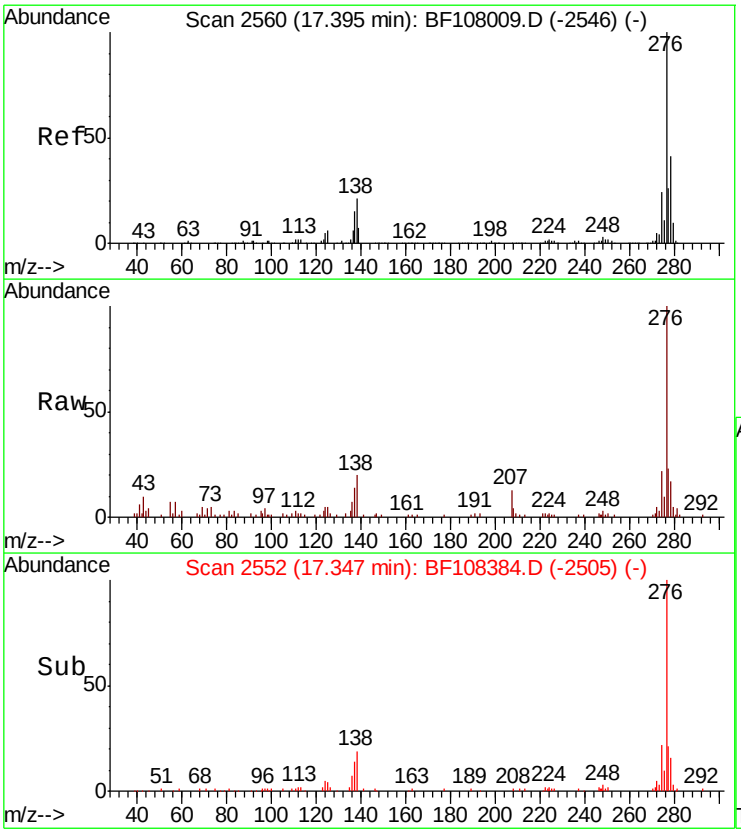
#82
Chrysene
Concen: 3.672 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 83508

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	22.3	16.2	24.4

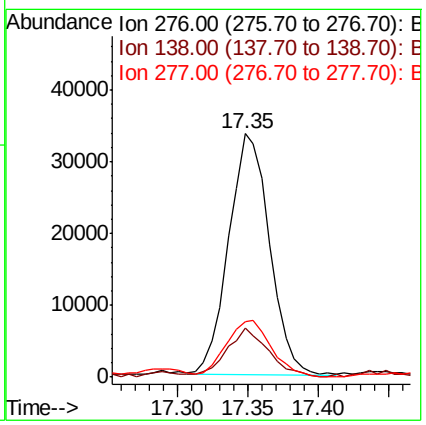


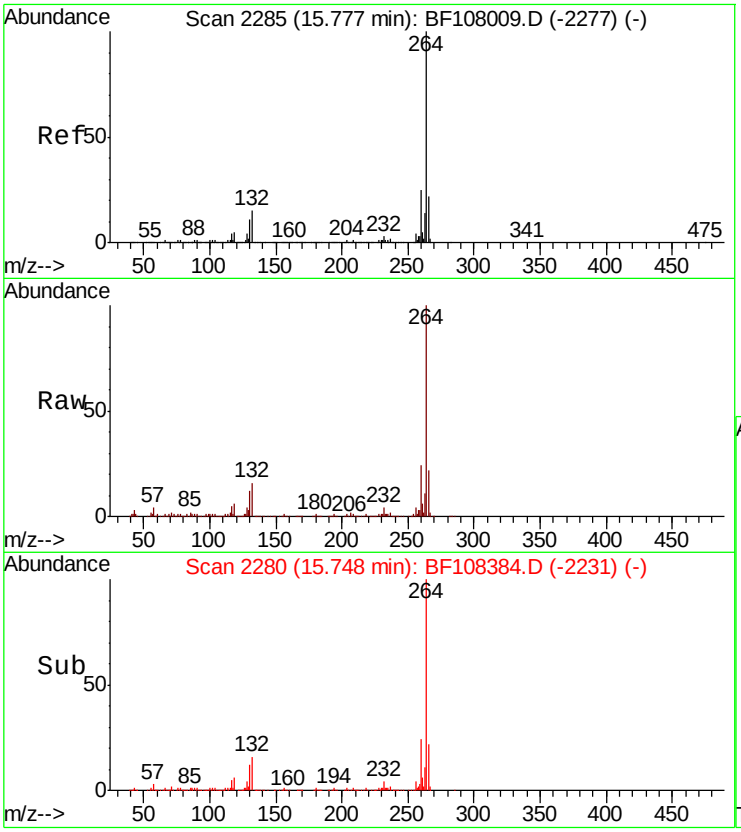


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.446 ng
RT: 17.35 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:276 Resp: 67920

Ion	Ratio	Lower	Upper
276	100		
138	20.9	25.0	37.6#
277	25.9	20.1	30.1



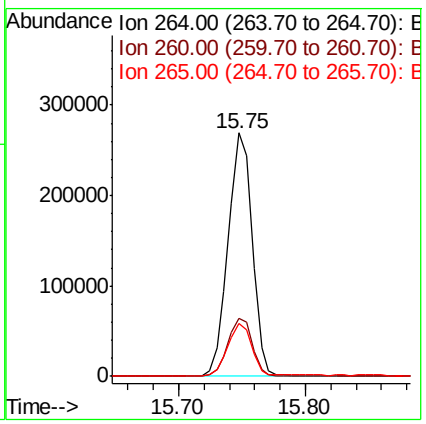


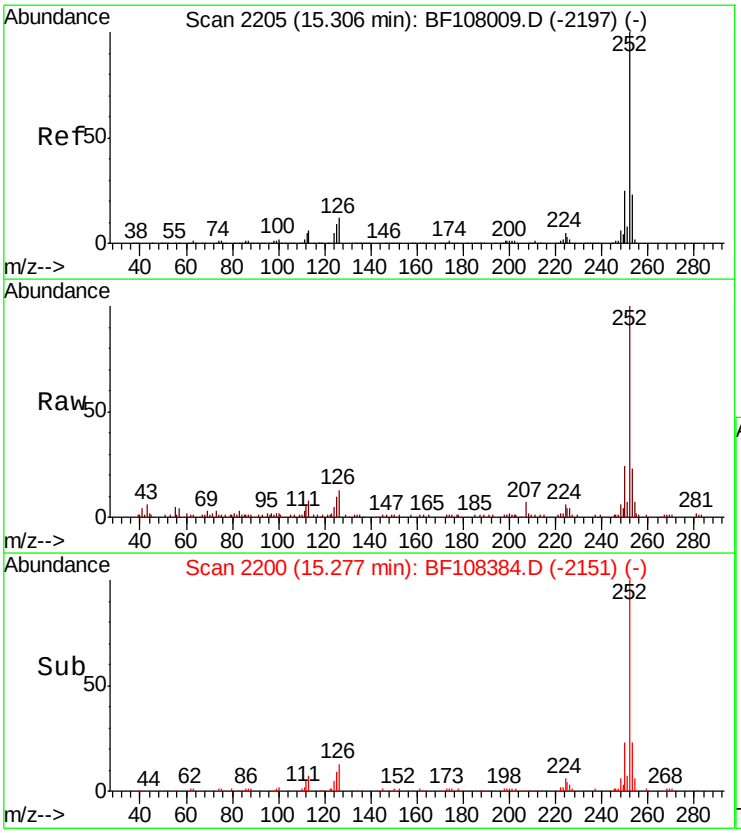
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 354864

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.9	17.5	26.3

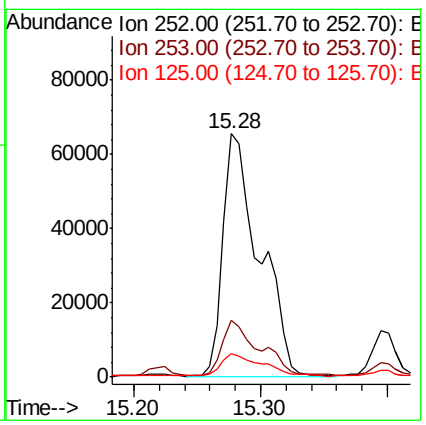


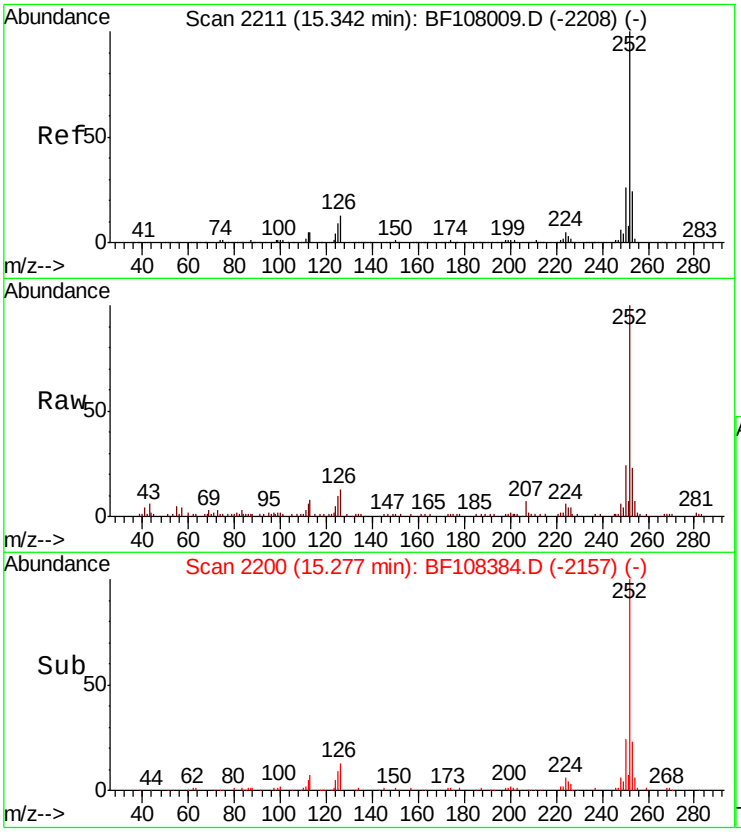


#87
Benzo(b)fluoranthene
Concen: 6.264 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:252 Resp: 132831

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	9.8	9.0	13.6



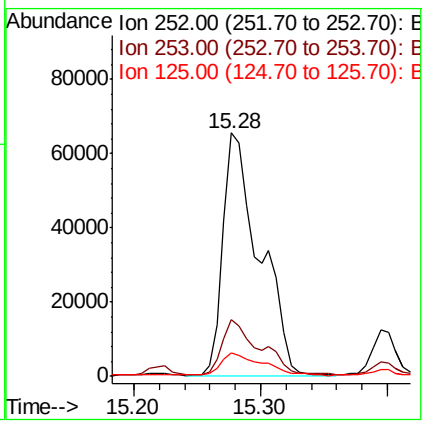


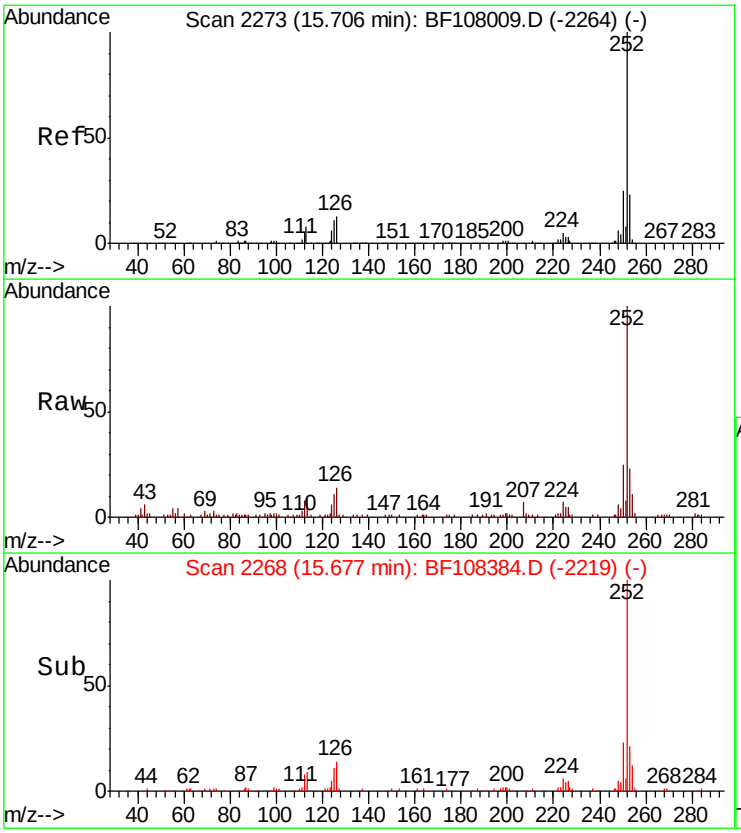
#88
Benzo(k)fluoranthene
Concen: 6.815 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.05 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 132831

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	9.8	10.2	15.2#

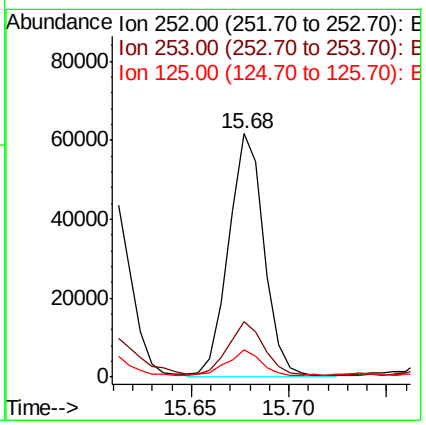


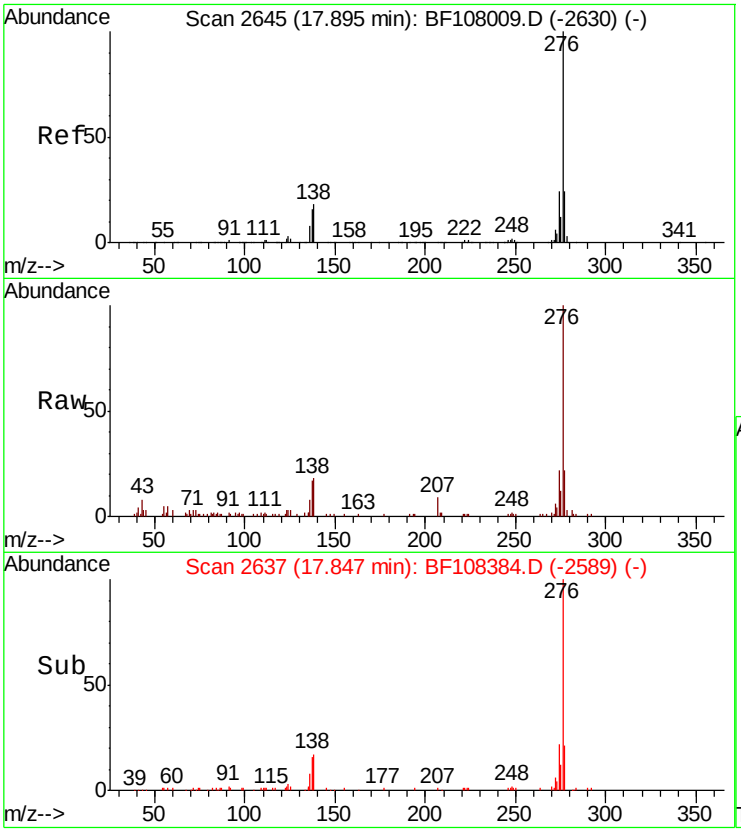


#89
Benzo(a)pyrene
Concen: 4.118 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Tgt Ion:252 Resp: 78186

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	11.3	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 7.065 ng
RT: 17.85 min Scan# 2637
Delta R.T. -0.02 min
Lab File: BF108384.D
Acq: 22 Aug 2018 15:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 109291

Ion	Ratio	Lower	Upper
276	100		
277	22.1	17.9	26.9
138	18.0	21.8	32.8#