Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107950.D
Acq On : 3 Aug 2018 20:54
Operator : JU/SJ
Sample : J4318-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 03 23:00:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	113978	20.00	ng		-0.01
21) Naphthalene-d8	8.24	136	551517	20.00	ng		-0.01
38) Acenaphthene-d10	9.99	164	227557	20.00	ng		-0.02
63) Phenanthrene-d10	11.49	188	401982	20.00	ng		-0.01
75) Chrysene-d12	14.14	240	351860	20.00	ng		-0.01
86) Perylene-d12	15.68	264	344179	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.63	112	60483	9.02	ng		0.04
7) Phenol-d6	6.62	99	241436	27.32	ng		0.01
23) Nitrobenzene-d5	7.54	82	114407	11.95	ng		0.00
41) 2,4,6-Tribromophenol	10.79	330	67453	21.82	ng		-0.01
44) 2-Fluorobiphenyl	9.31	172	394656	24.17	ng		-0.01
78) Terphenyl-d14	13.07	244	320052	19.72	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.84	88	565	5.951	ng	#	66
25) Isophorone	7.54	82	114407	7.280	ng	#	64
50) 2,6-Dinitrotoluene	9.99	165	28159	7.582	ng	#	25
55) 4-Nitrophenol	10.22	139	1202	9.795	ng	#	9
56) 2,4-Dinitrotoluene	9.99	165	29581	6.060	ng	#	23
70) Phenanthrene	11.51	178	73378	3.844	ng		98
71) Anthracene	11.51	178	73378	3.333	ng		98
74) Fluoranthene	12.71	202	152835	6.816	ng		97
77) Pyrene	12.94	202	118436	4.674	ng		97
80) Benzo(a)anthracene	14.13	228	64737	3.248	ng	#	95
82) Chrysene	14.17	228	73896	3.437	ng	#	96
87) Benzo(b)fluoranthene	15.22	252	120018	7.070	ng	#	89
88) Benzo(k)fluoranthene	15.22	252	120018	5.759	ng	#	92
89) Benzo(a)pyrene	15.61	252	44728	2.552	ng	#	87
91) Benzo(g,h,i)perylene	17.75	276	29947	2.025	ng	#	83

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

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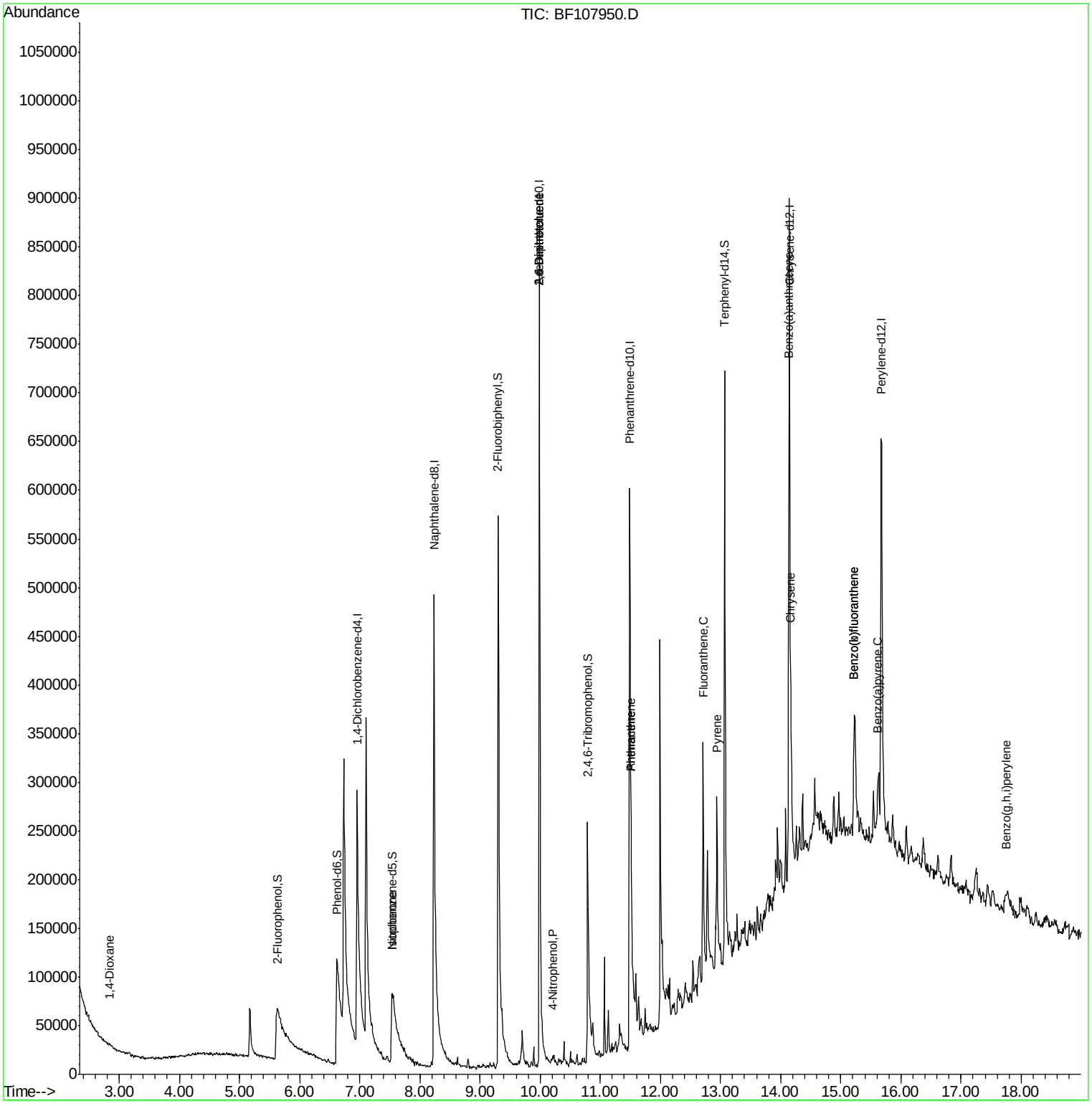
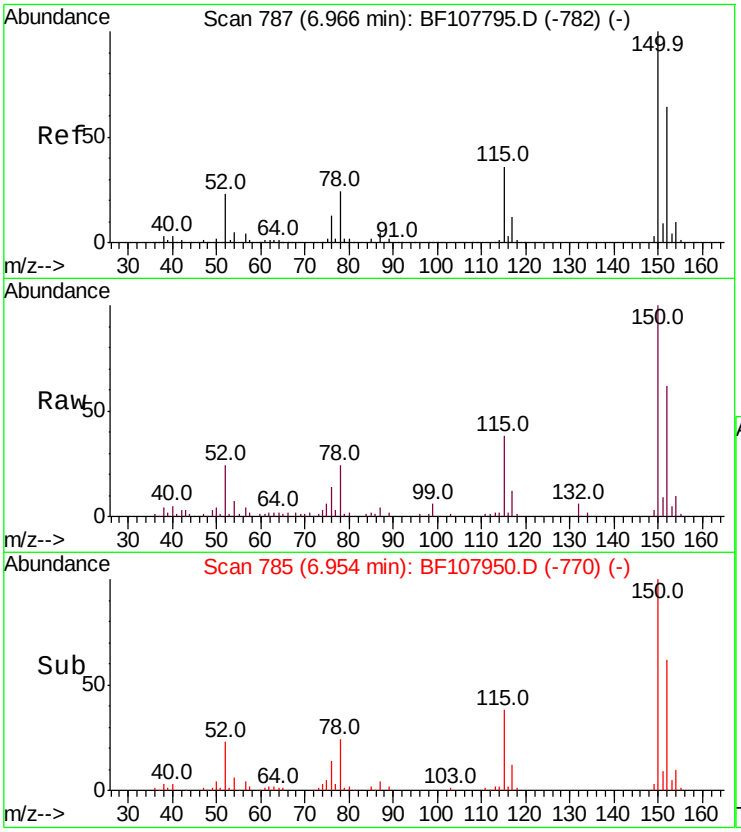


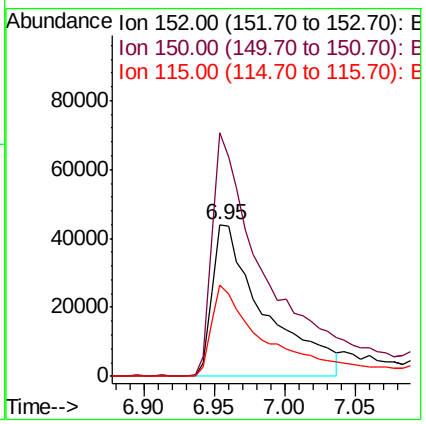


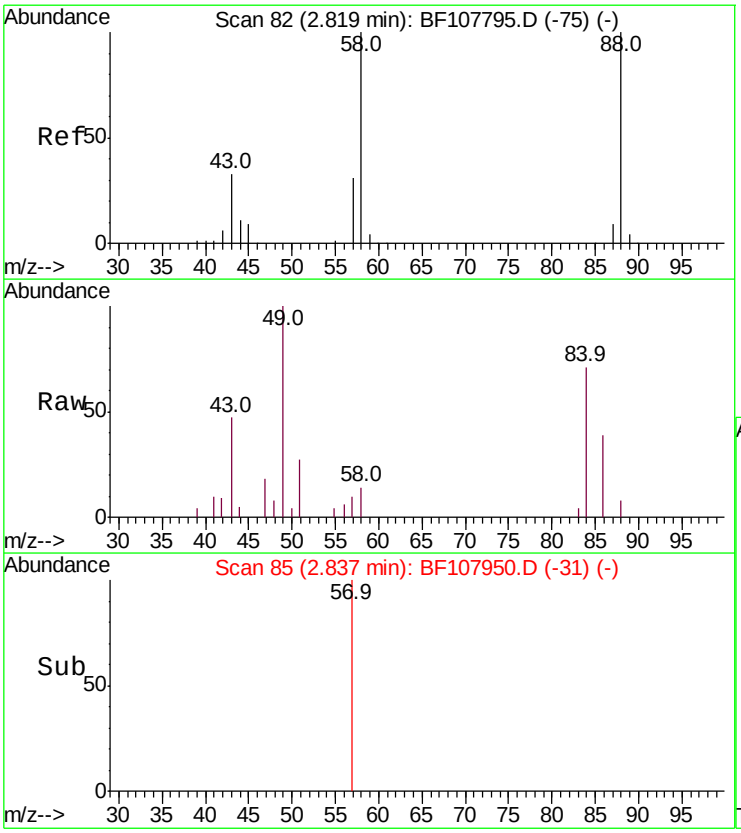
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 113978

Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.6	186.8
115	60.3	50.1	75.1

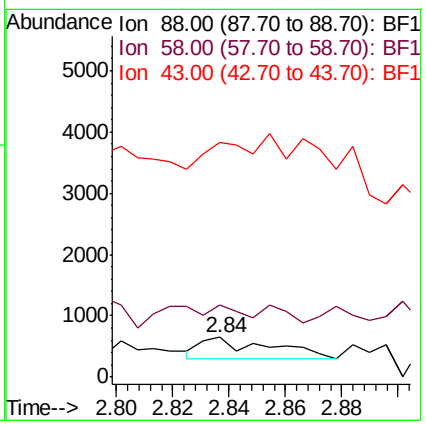


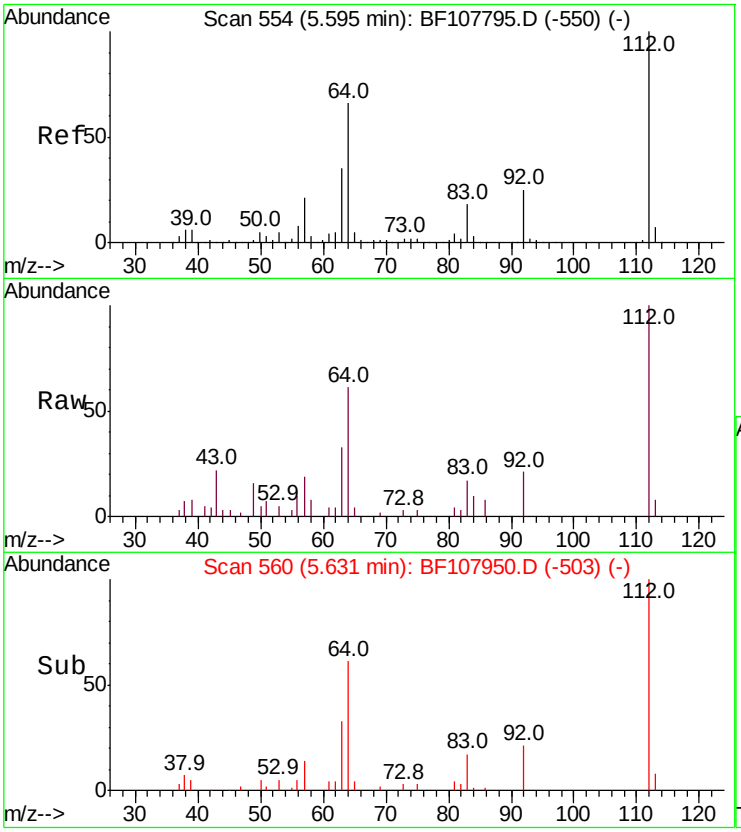


#2
1,4-Dioxane
Concen: 5.951 ng
RT: 2.84 min Scan# 85
Delta R.T. 0.02 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion: 88 Resp: 565

Ion	Ratio	Lower	Upper
88	100		
58	69.7	62.6	93.8
43	82.8	24.6	37.0#



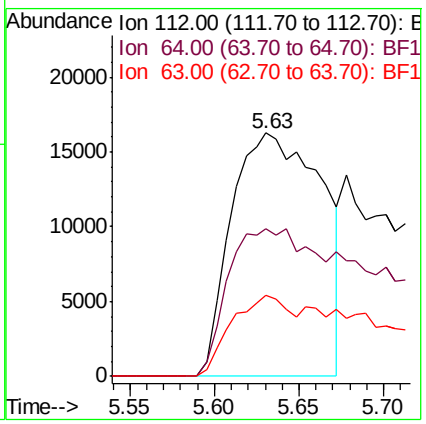


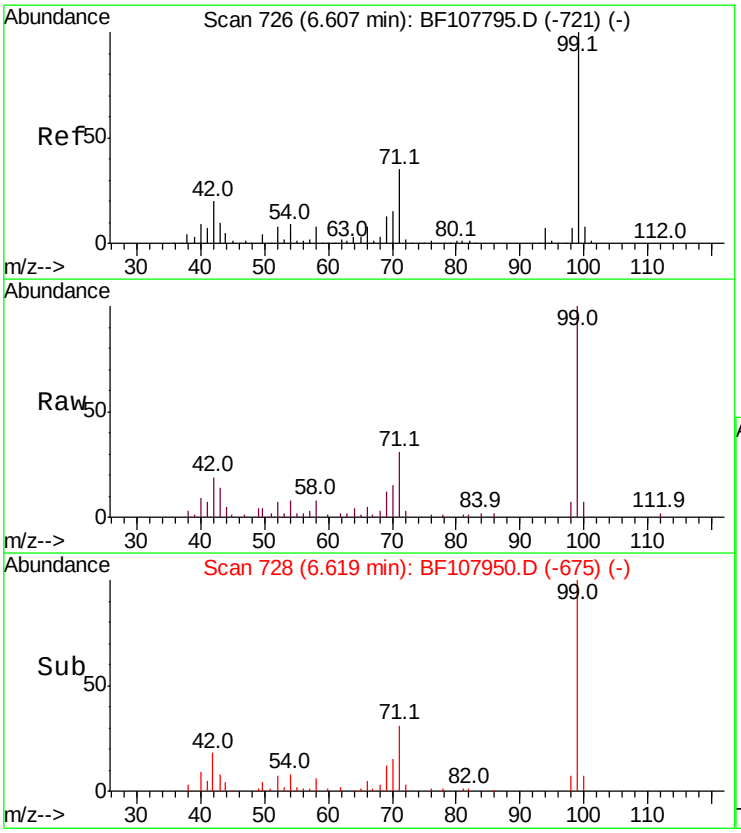
#5
2-Fluorophenol
Concen: 9.019 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.04 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:112 Resp: 60483

Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.9	71.9
63	33.2	23.7	35.5

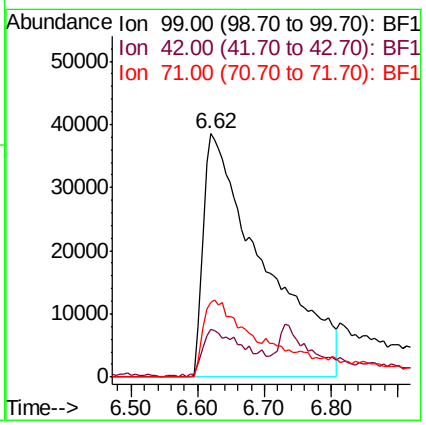


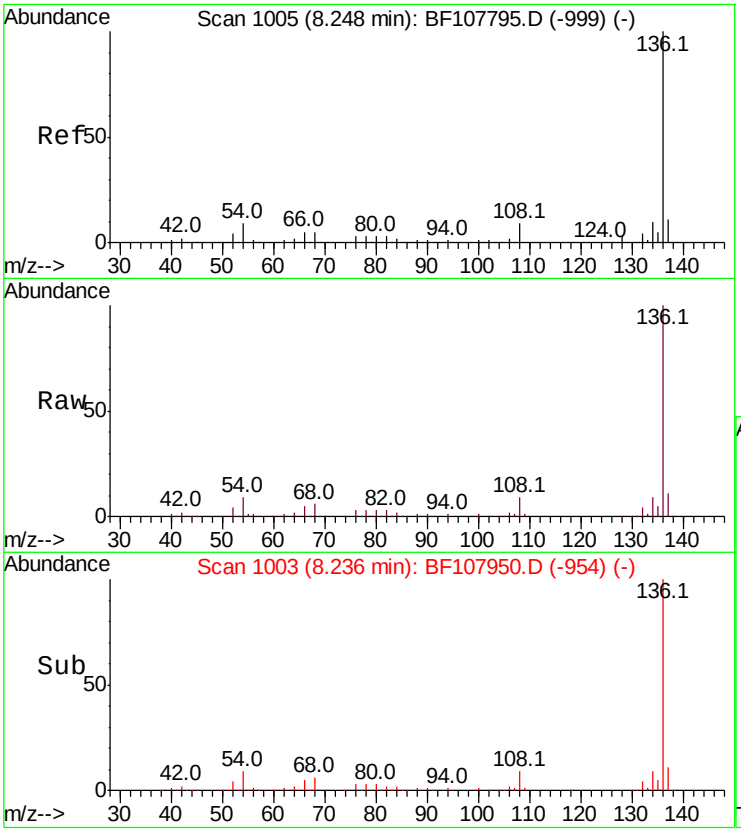


#7
Phenol-d6
Concen: 27.316 ng
RT: 6.62 min Scan# 728
Delta R.T. 0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion: 99 Resp: 241436

Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	30.6	25.4	38.0



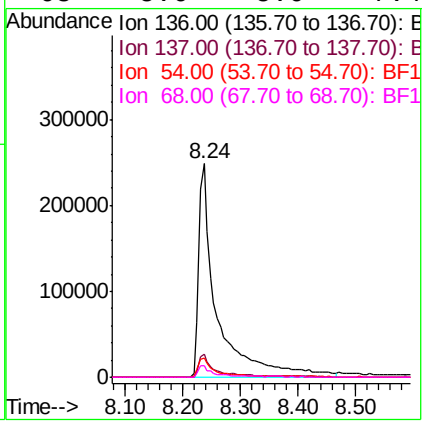


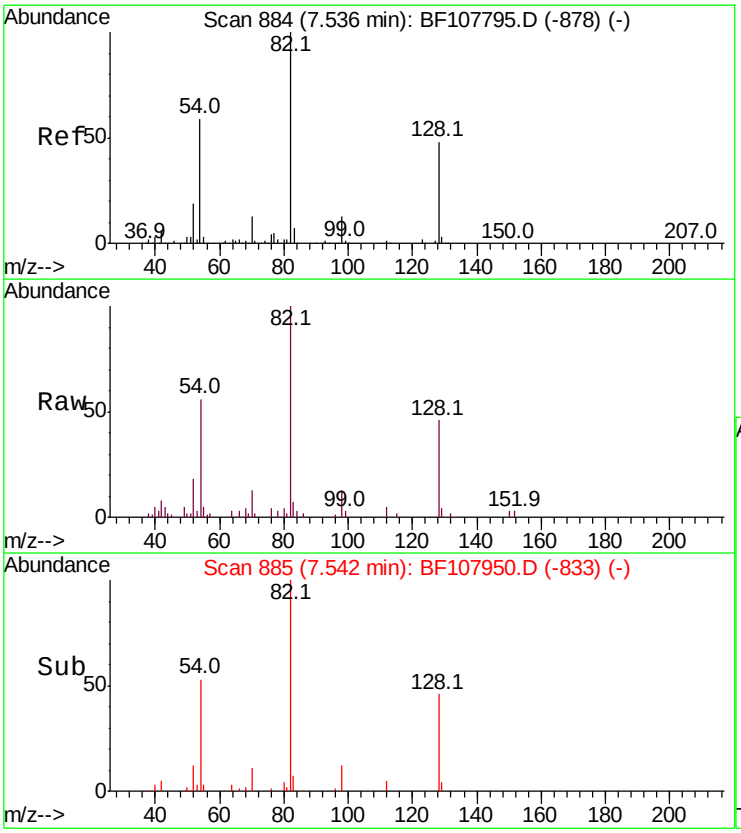
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 551517

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	9.2	6.6	9.8
68	5.6	5.0	7.4

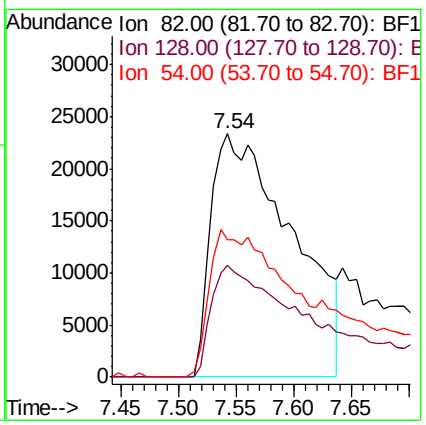


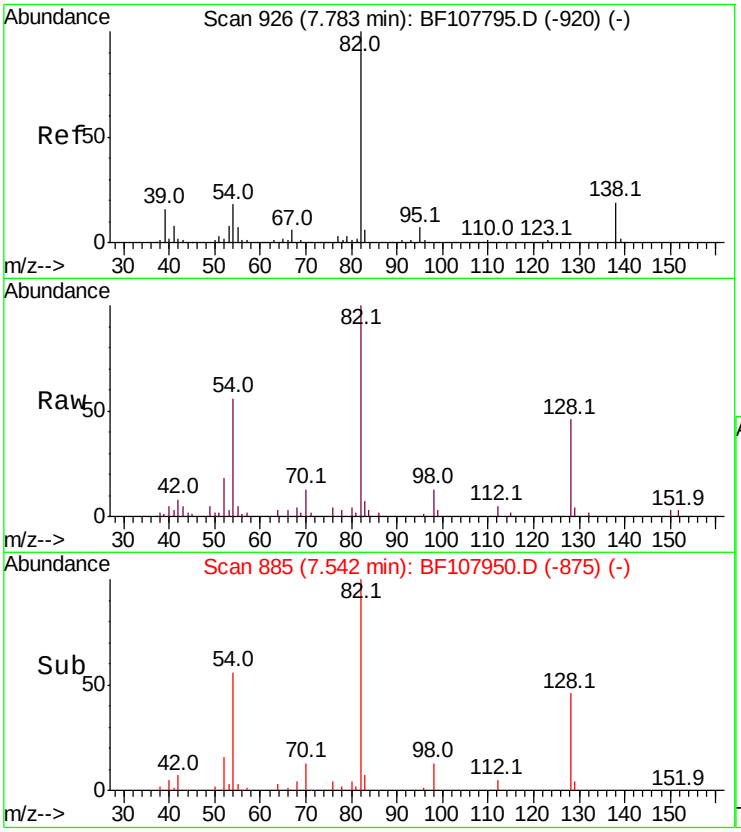


#23
Nitrobenzene-d5
Concen: 11.951 ng
RT: 7.54 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion: 82 Resp: 114407

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	56.5	41.4	62.2



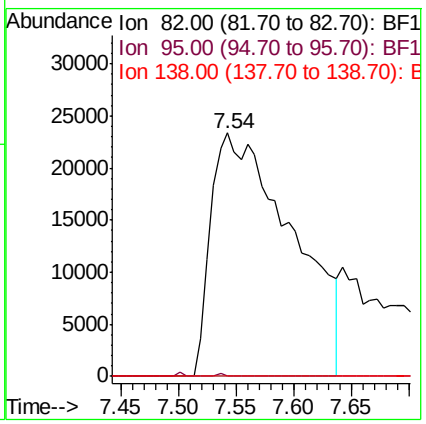


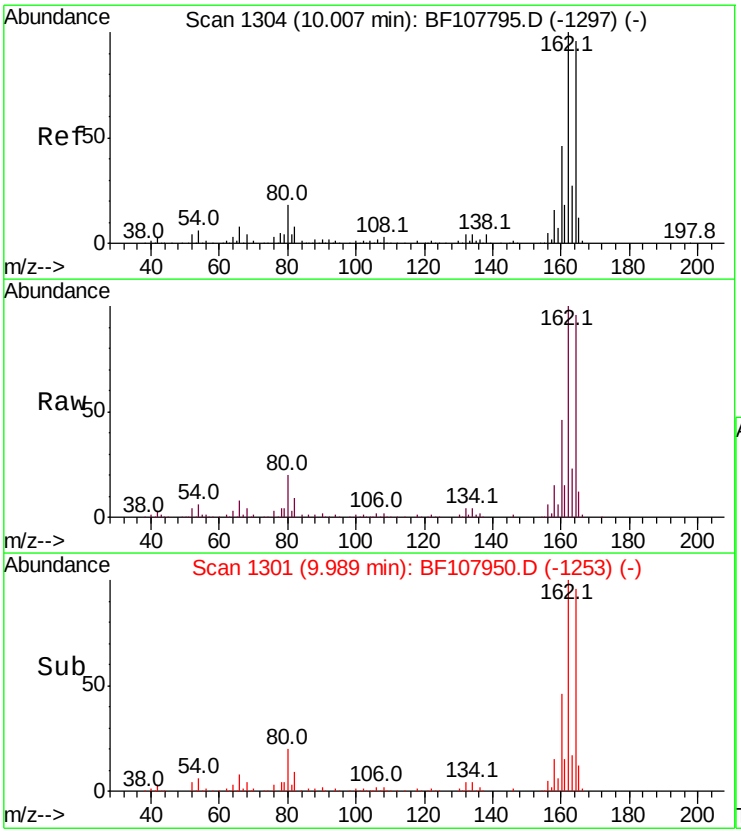
#25
Isophorone
Concen: 7.280 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.24 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 114407

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

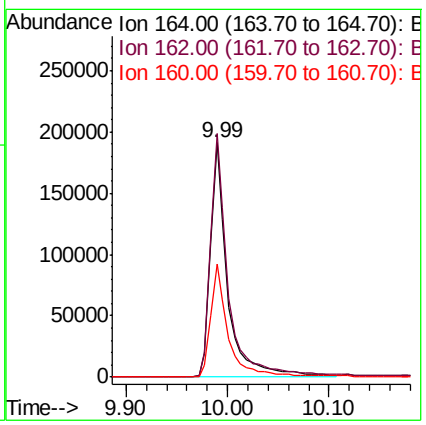


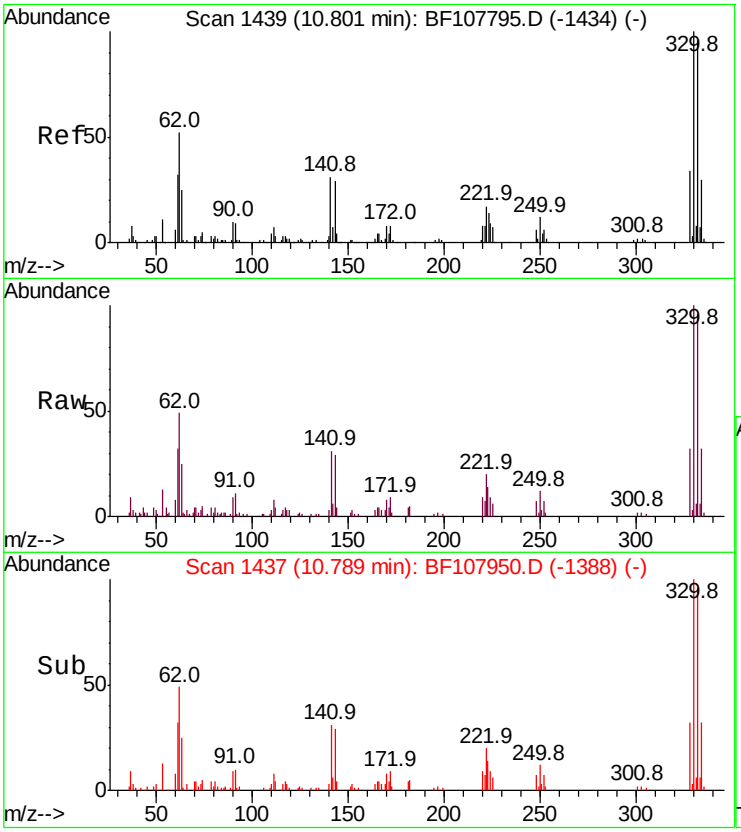


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion:164 Resp: 227557

Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	48.1	38.3	57.5



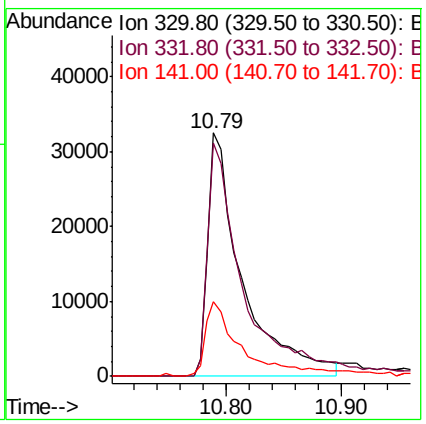


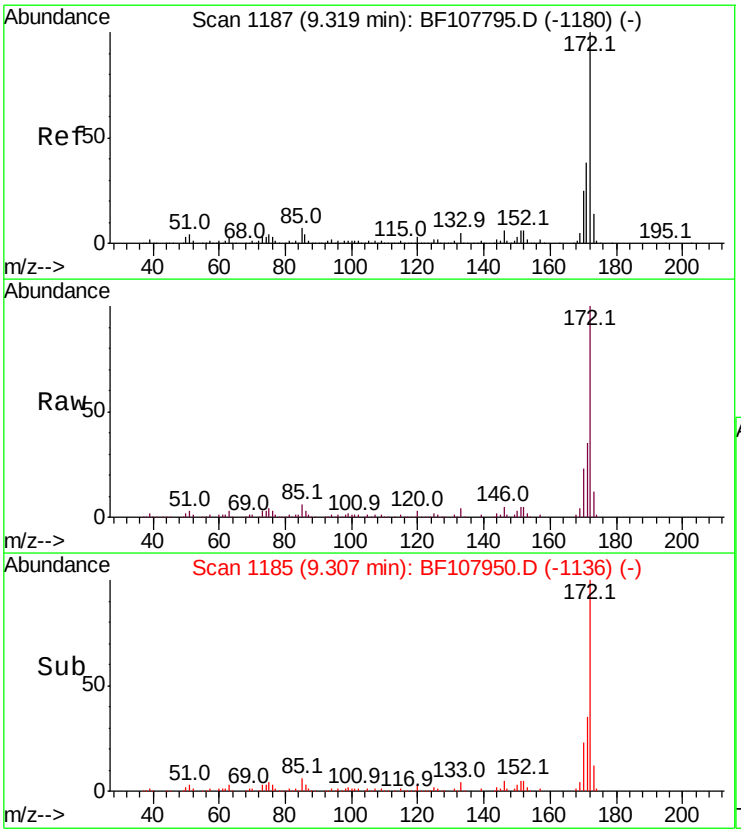
#41
2,4,6-Tribromophenol
Concen: 21.815 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 67453

Ion	Ratio	Lower	Upper
330	100		
332	101.3	77.0	115.6
141	34.7	29.9	44.9

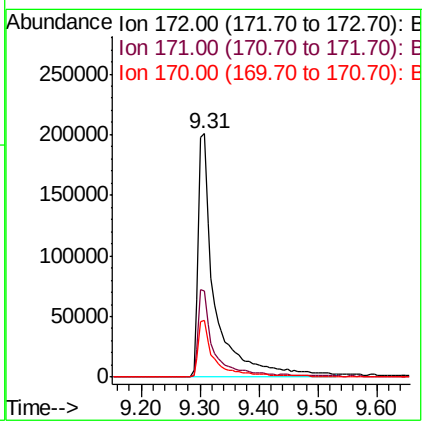


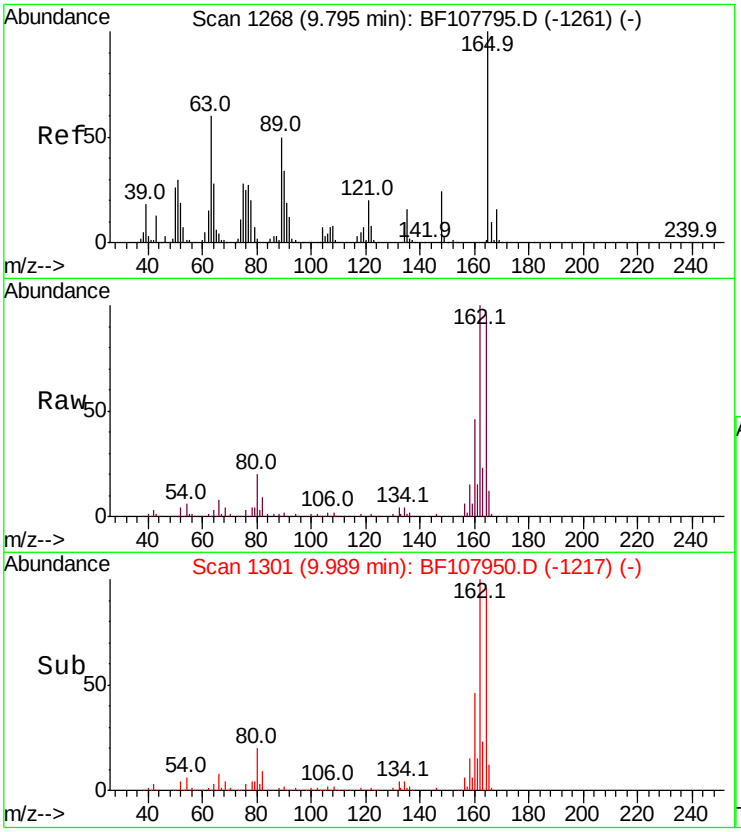


#44
2-Fluorobiphenyl
Concen: 24.168 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion:172 Resp: 394656

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.3	19.6	29.4



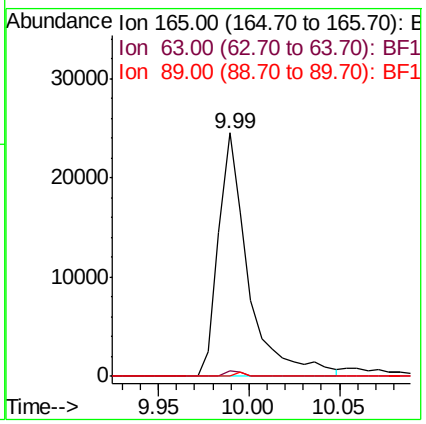


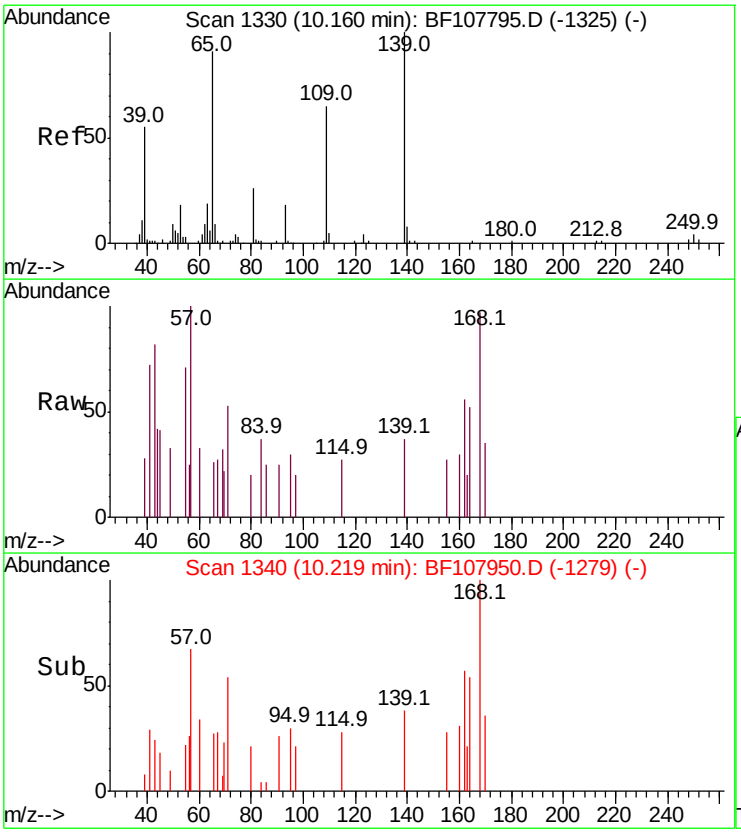
#50
2,6-Dinitrotoluene
Concen: 7.582 ng
RT: 9.99 min Scan# 1301
Delta R.T. 0.19 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 28159

Ion	Ratio	Lower	Upper
165	100		
63	2.3	44.7	67.1#
89	0.0	44.0	66.0#

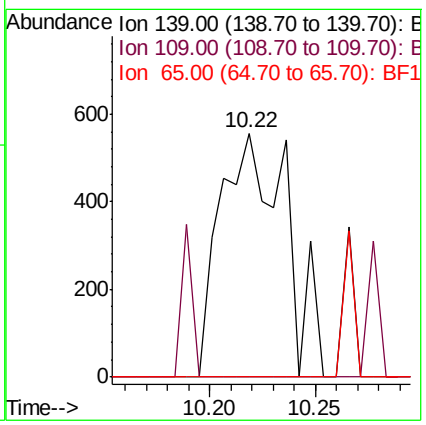


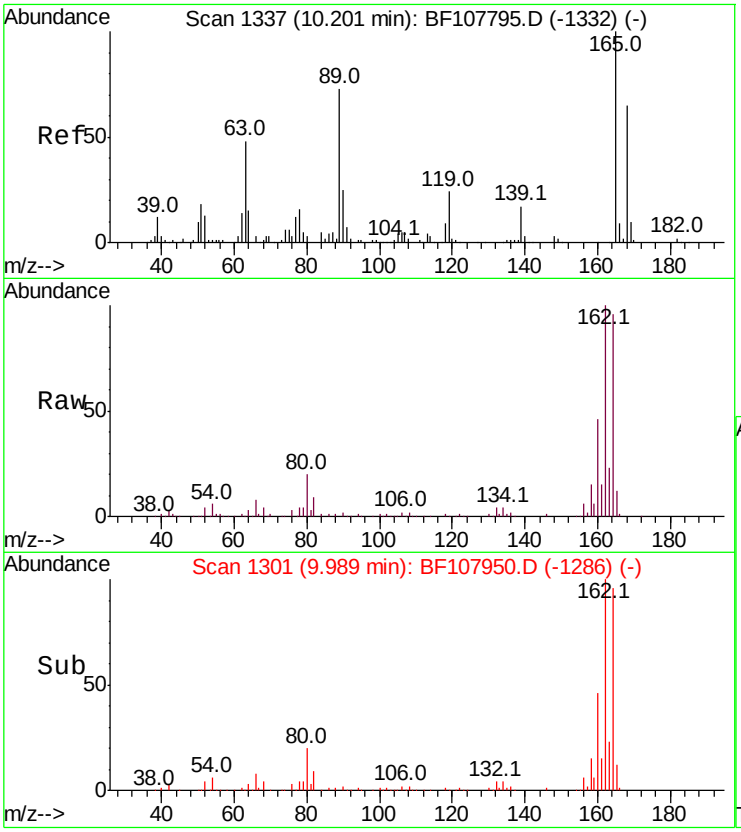


#55
4-Nitrophenol
Concen: 9.795 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion:139 Resp: 1202

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



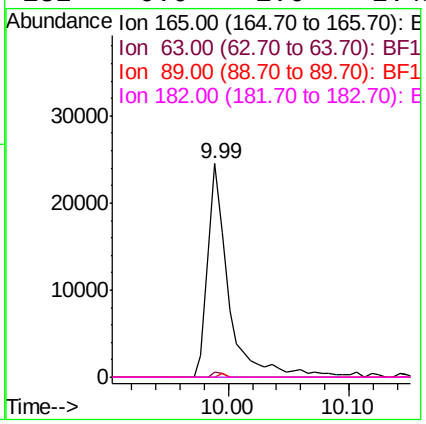


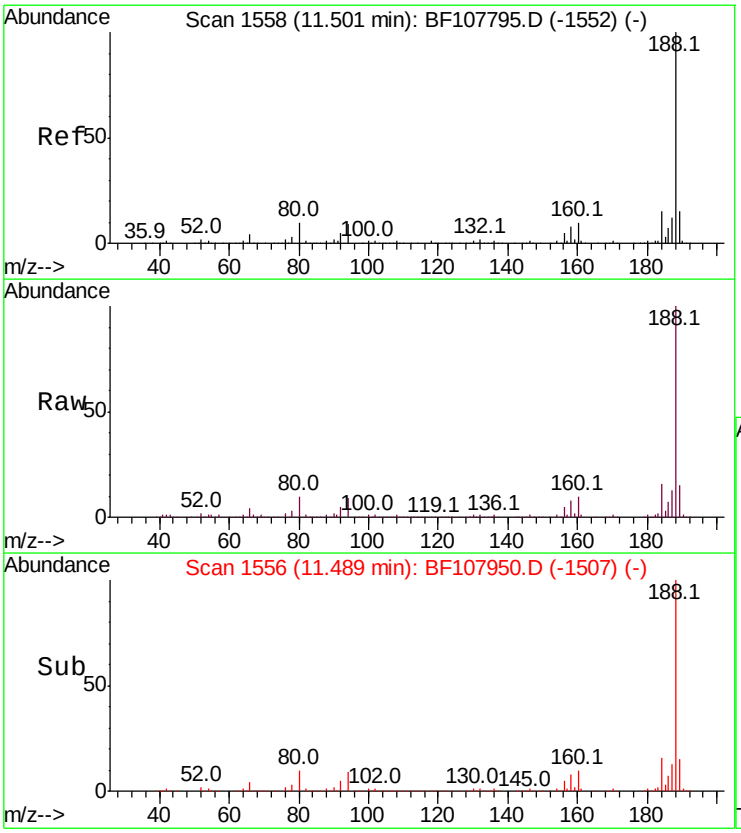
#56
2,4-Dinitrotoluene
Concen: 6.060 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 29581

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

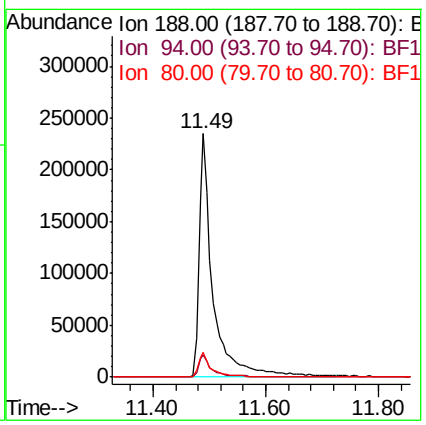


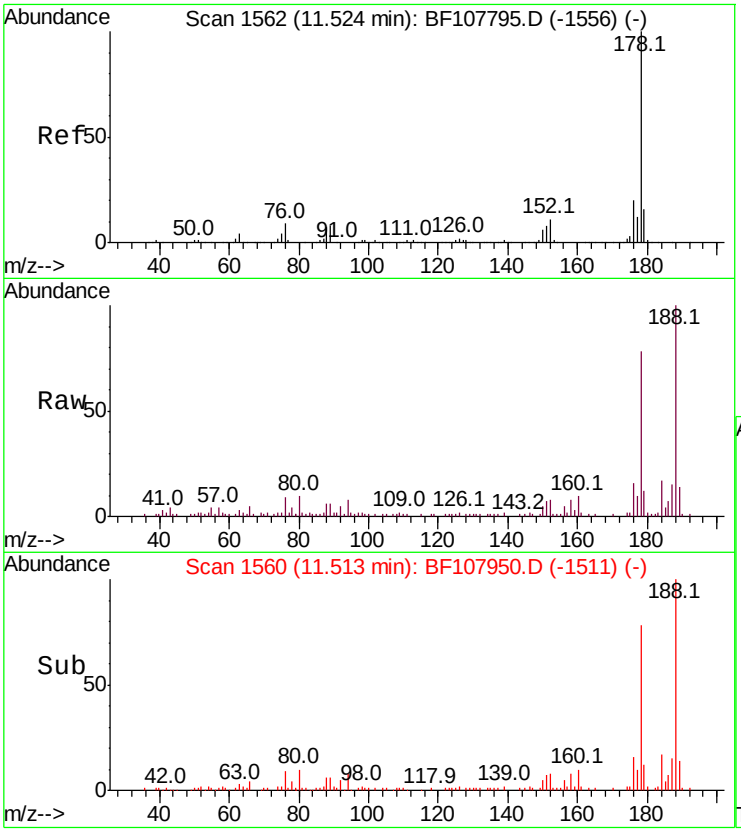


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion:188 Resp: 401982

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.9	9.2	13.8



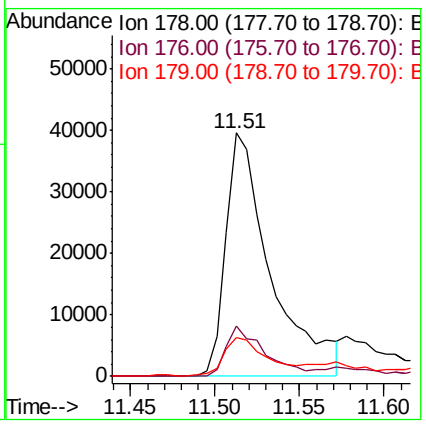


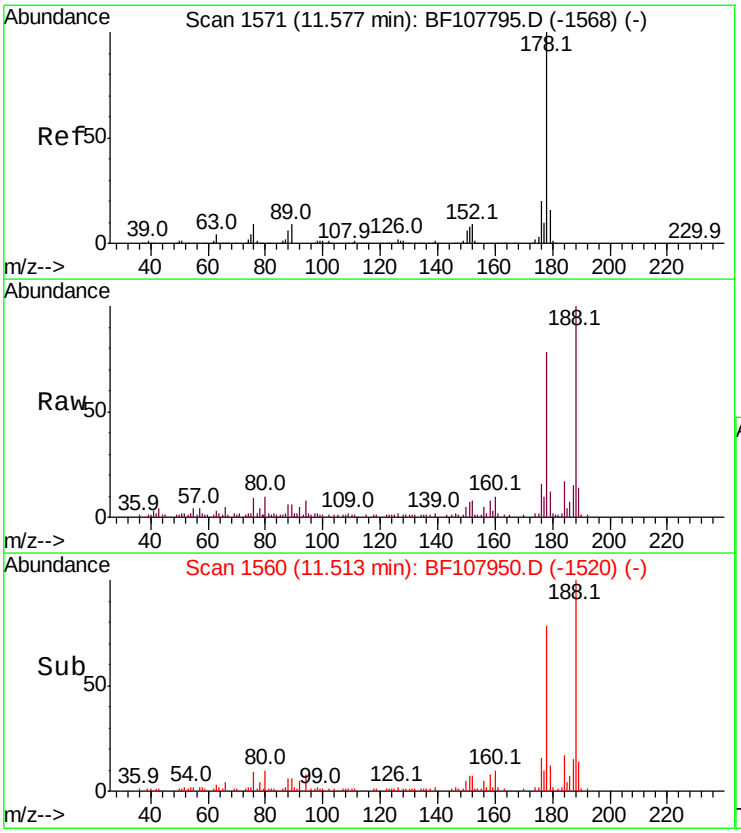
#70
Phenanthrene
Concen: 3.844 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 73378

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.8	23.8
179	15.9	13.0	19.6

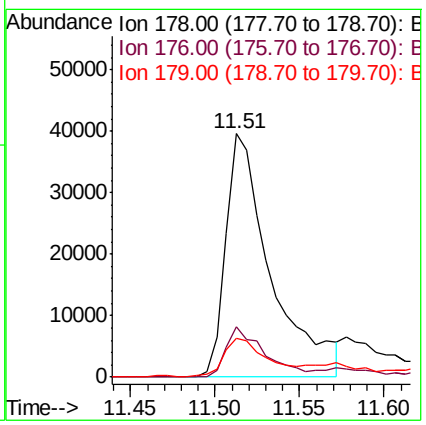


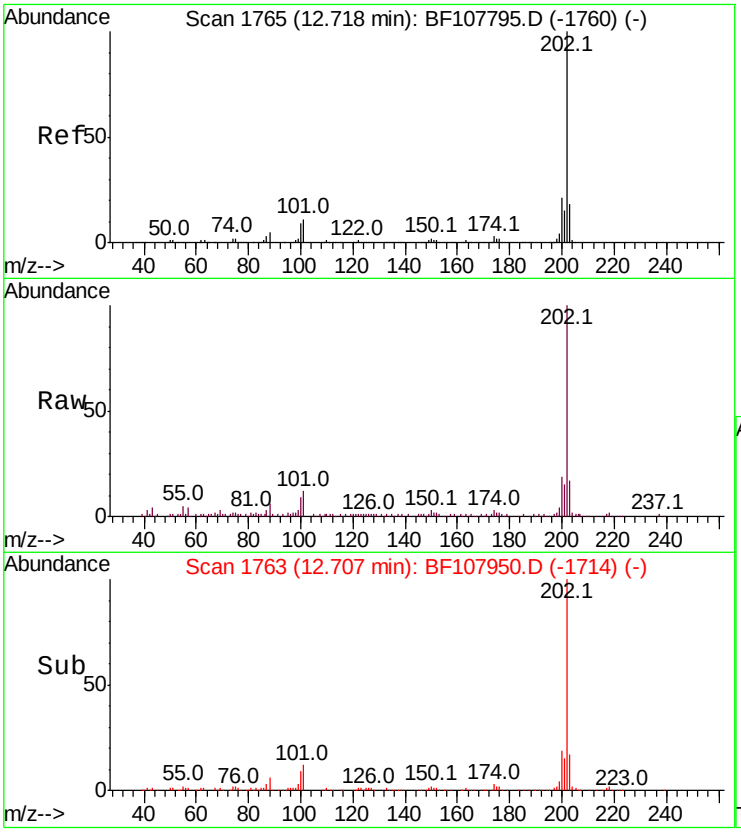


#71
Anthracene
Concen: 3.333 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.06 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion:178 Resp: 73378

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.4	23.2
179	15.9	12.6	19.0



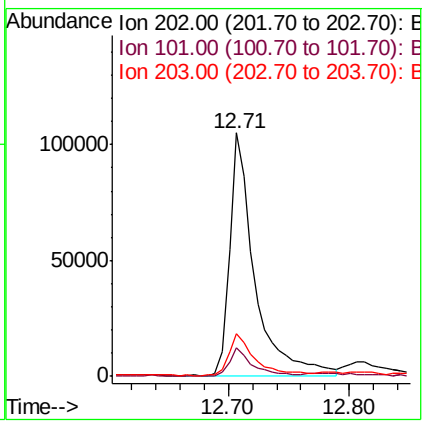


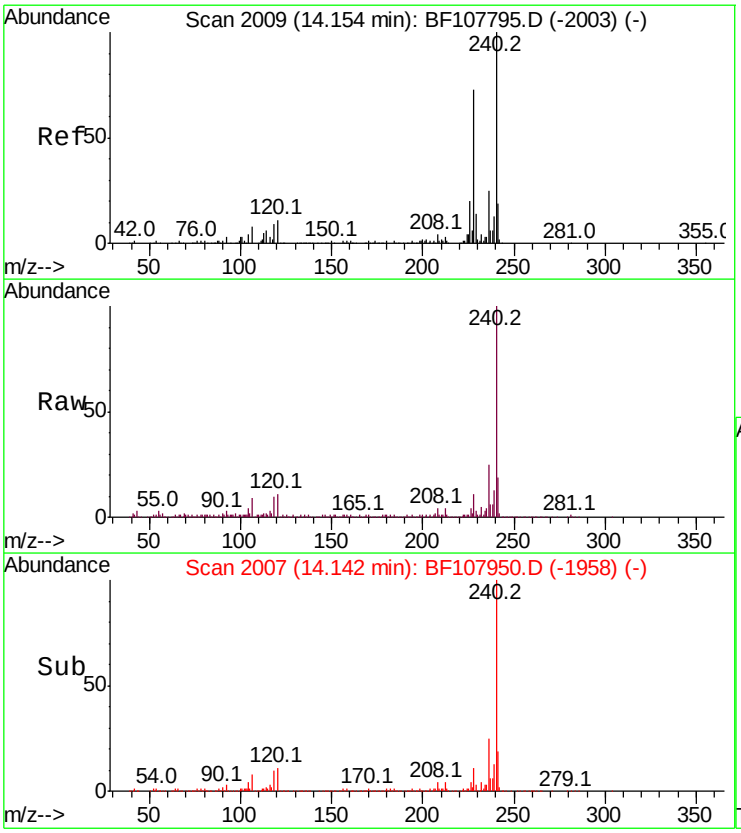
#74
Fluoranthene
Concen: 6.816 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 152835

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.4	0.0	38.1

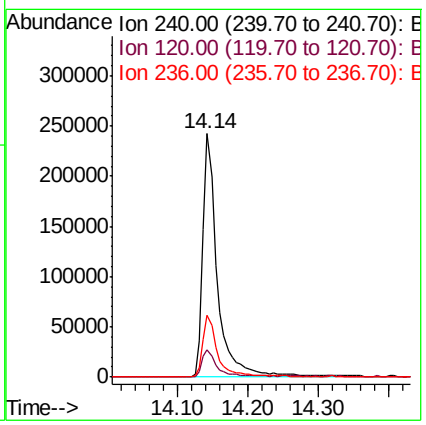


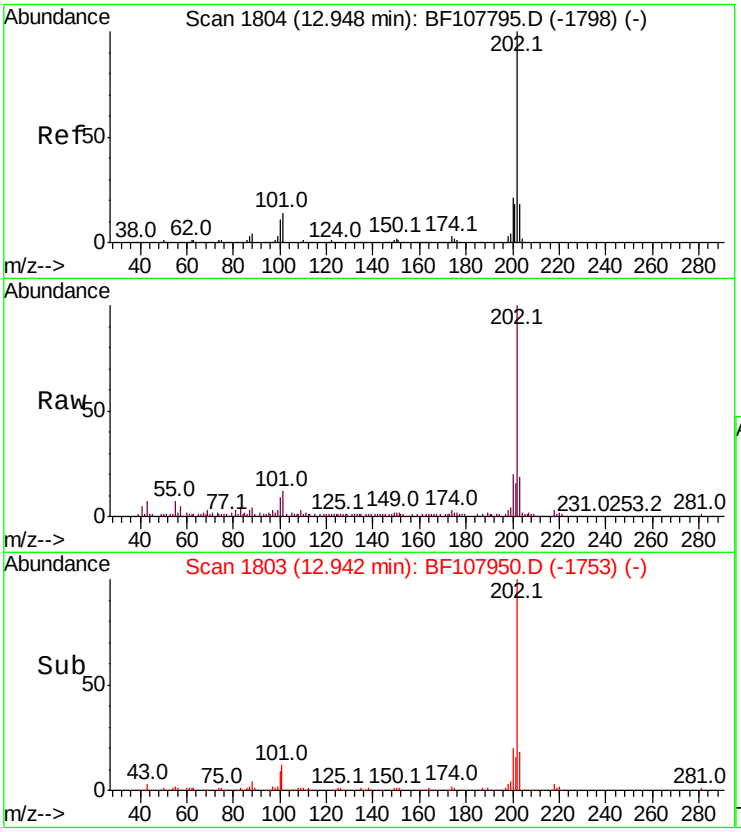


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion:240 Resp: 351860

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	25.2	20.7	31.1



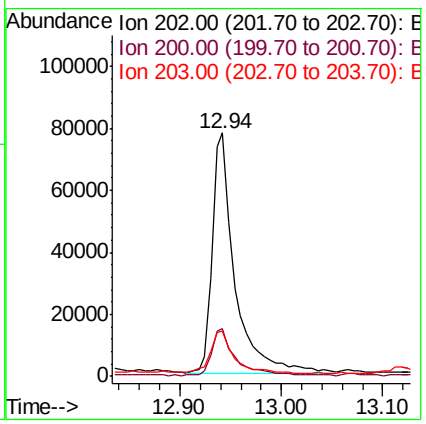


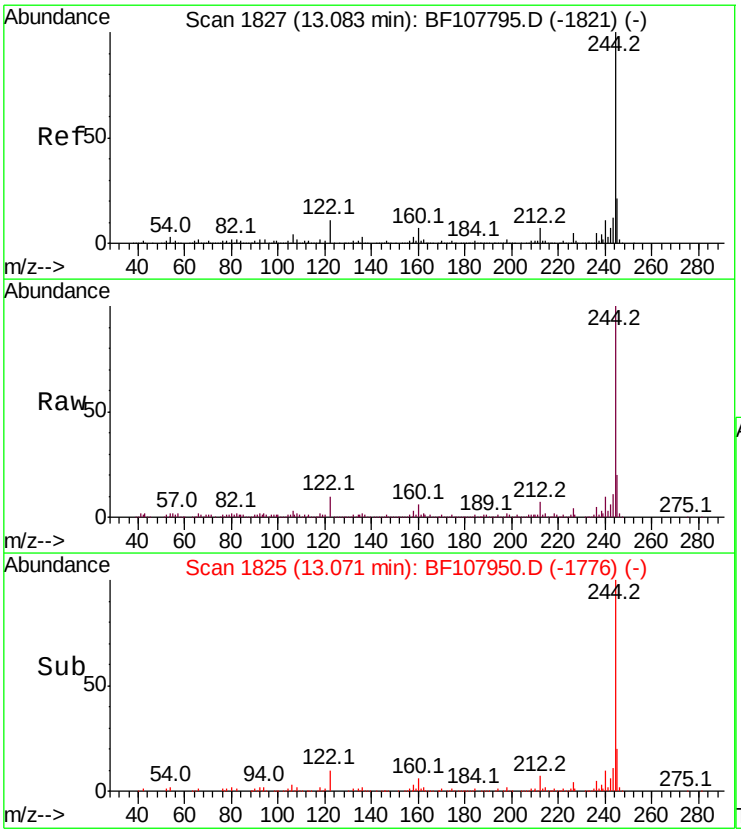
#77
Pyrene
Concen: 4.674 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 118436

Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.4	26.2
203	18.8	14.3	21.5

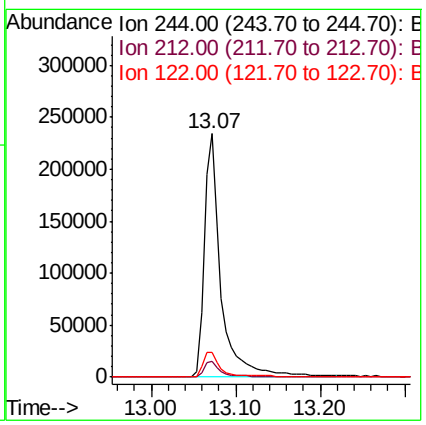


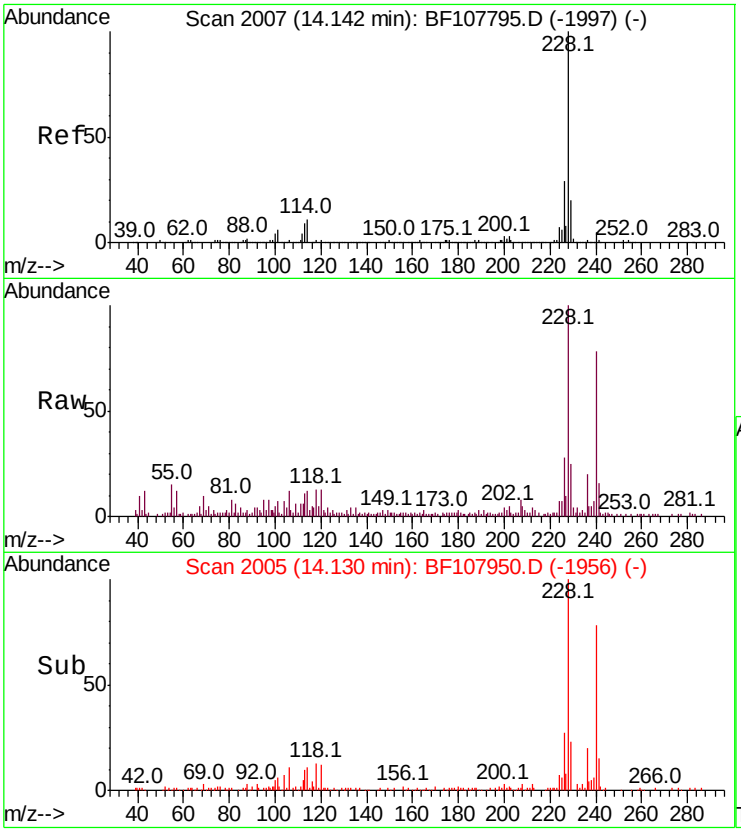


#78
Terphenyl-d14
Concen: 19.724 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion:244 Resp: 320052

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.2	11.0	16.4#



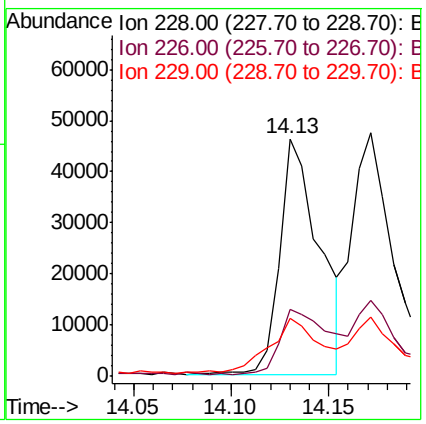


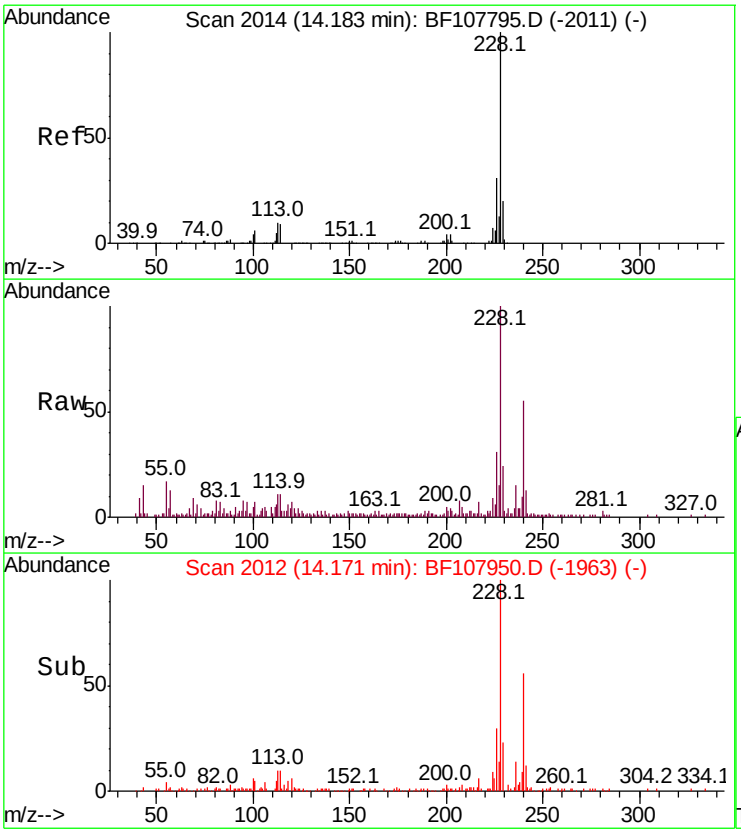
#80
Benzo(a)anthracene
Concen: 3.248 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 64737

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	24.5	15.8	23.6#

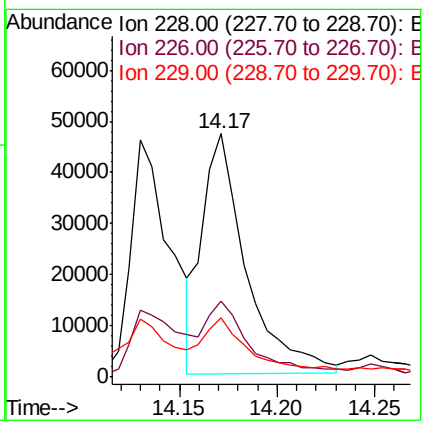


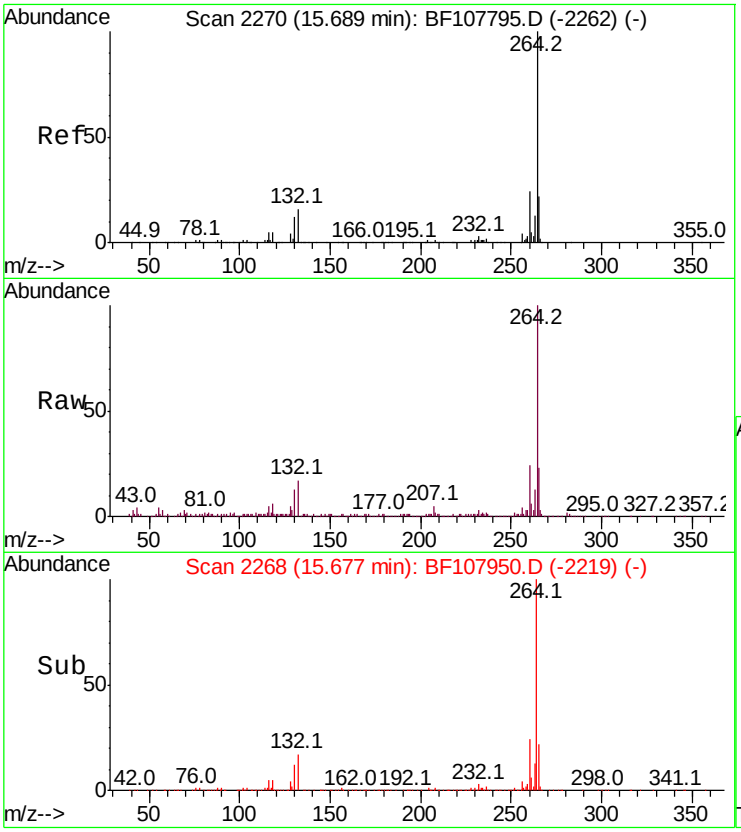


#82
Chrysene
Concen: 3.437 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion:228 Resp: 73896

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	24.4	16.2	24.4#



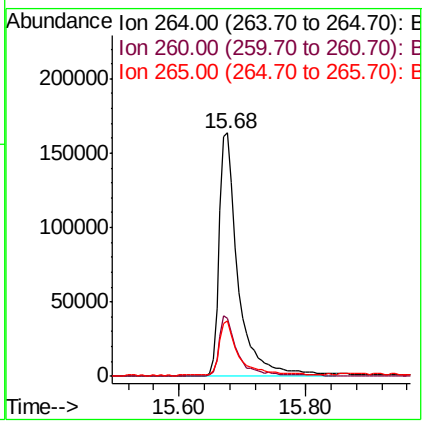


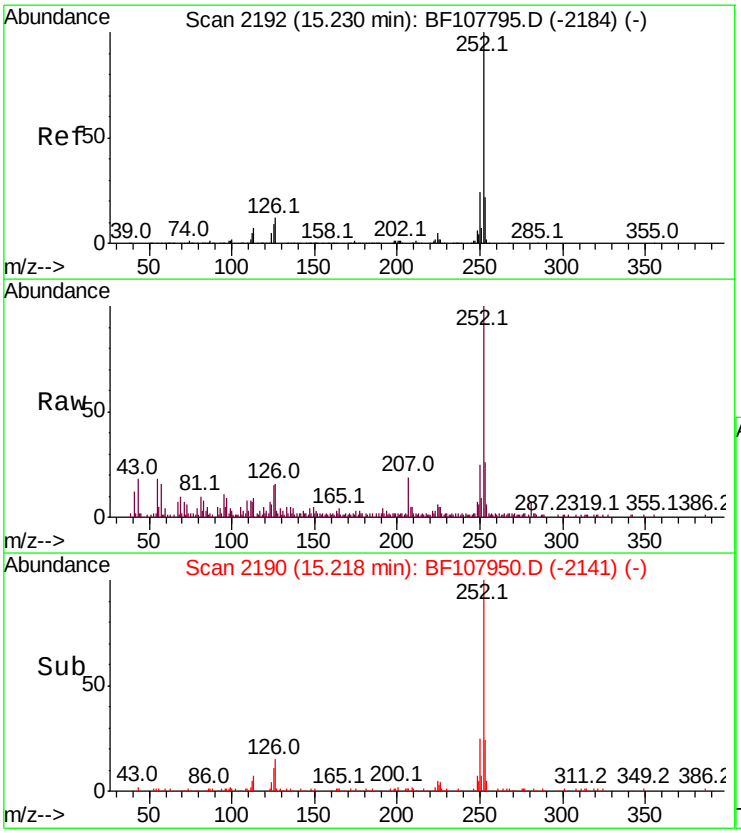
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 344179

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.6	17.5	26.3

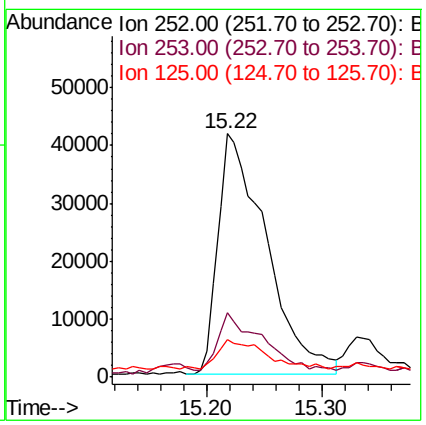


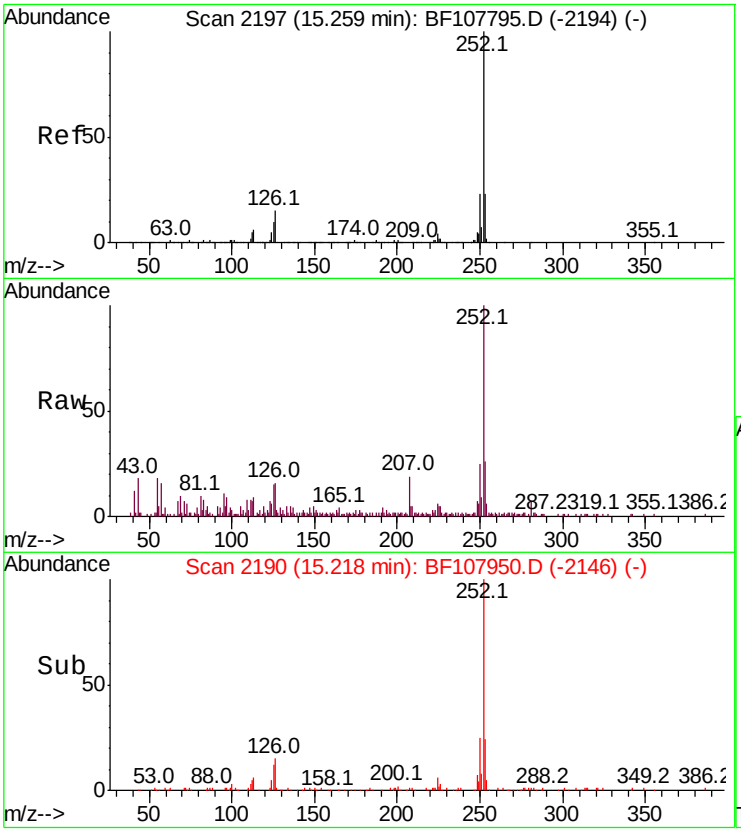


#87
Benzo(b)fluoranthene
Concen: 7.070 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion:252 Resp: 120018

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.0	25.6#
125	15.4	9.0	13.6#



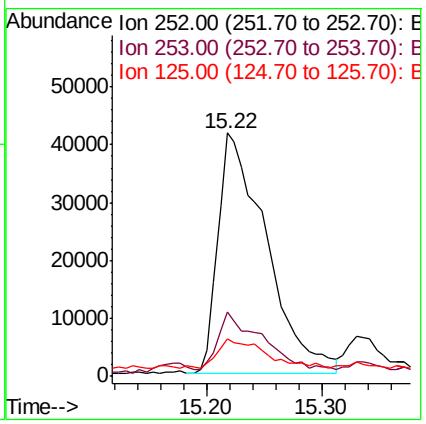


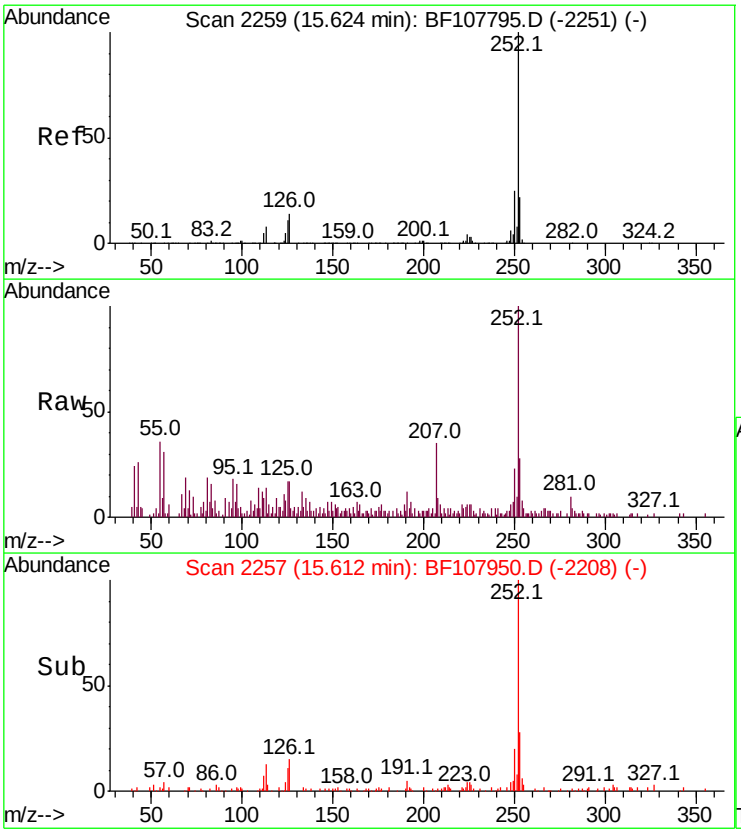
#88
Benzo(k)fluoranthene
Concen: 5.759 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 120018

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.9	26.9
125	15.4	10.2	15.2#

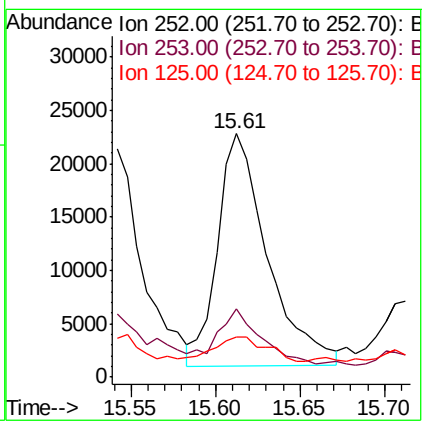


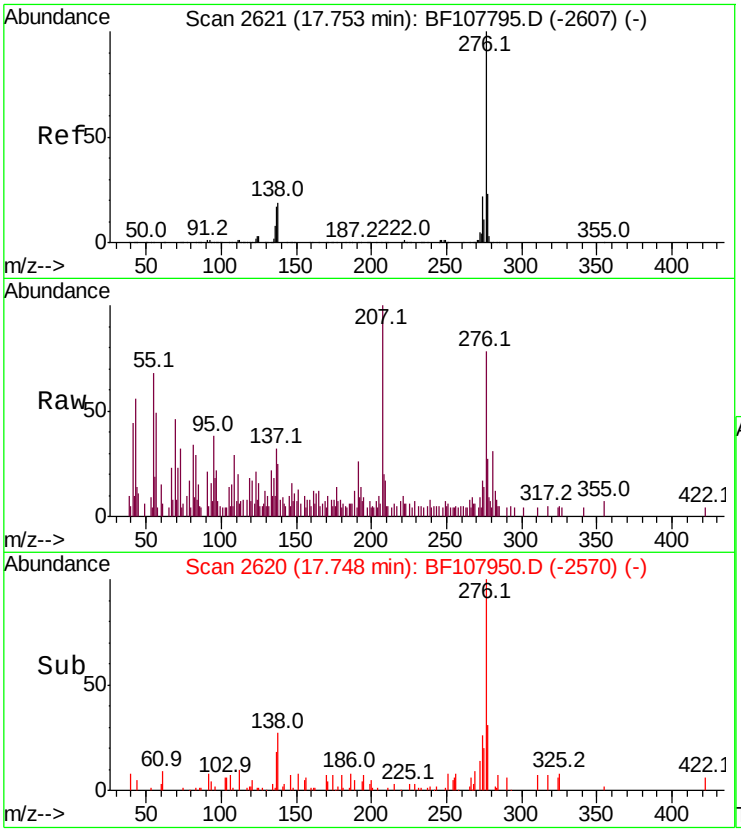


#89
Benzo(a)pyrene
Concen: 2.552 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Tgt Ion:252 Resp: 44728

Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.1	25.7#
125	16.6	9.8	14.6#





#91
Benzo(g,h,i)perylene
Concen: 2.025 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF107950.D
Acq: 3 Aug 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 29947

Ion	Ratio	Lower	Upper
276	100		
277	34.9	17.9	26.9#
138	32.7	21.8	32.8