Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
Data File : BF108344.D
Acq On : 21 Aug 2018 18:26
Operator : JU/SJ
Sample : J4521-13DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 21 18:53:02 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 08 12:24:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	174564	20.00	ng		-0.01
21) Naphthalene-d8	8.29	136	680419	20.00	ng		-0.01
38) Acenaphthene-d10	10.05	164	354539	20.00	ng		-0.02
63) Phenanthrene-d10	11.55	188	691286	20.00	ng		-0.01
75) Chrysene-d12	14.20	240	379741	20.00	ng		-0.02
86) Perylene-d12	15.75	264	356653	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	121080	12.56	ng		-0.01
7) Phenol-d6	6.61	99	169910	13.26	ng		-0.02
23) Nitrobenzene-d5	7.56	82	107651	8.83	ng		-0.02
41) 2,4,6-Tribromophenol	10.84	330	42039	11.89	ng		-0.02
44) 2-Fluorobiphenyl	9.36	172	222393	10.07	ng		-0.02
78) Terphenyl-d14	13.12	244	206687	13.84	ng		-0.02
Target Compounds							Qvalue
25) Isophorone	7.56	82	105584	4.543	ng	#	64
32) Benzoic acid	7.98	122	113	5.991	ng	#	33
50) 2,6-Dinitrotoluene	10.05	165	46028	8.908	ng	#	26
55) 4-Nitrophenol	10.25	139	10008	2.338	ng	#	10
56) 2,4-Dinitrotoluene	10.05	165	46028	6.921	ng	#	23
57) Fluorene	10.60	166	50472	2.200	ng		99
70) Phenanthrene	11.57	178	541232	16.599	ng		98
71) Anthracene	11.62	178	206110	6.168	ng		98
74) Fluoranthene	12.77	202	853358	23.981	ng		96
77) Pyrene	13.00	202	747690	31.100	ng		99
80) Benzo(a)anthracene	14.19	228	303500	13.926	ng		100
82) Chrysene	14.22	228	245574	12.291	ng		97
85) Indeno(1,2,3-cd)pyrene	17.35	276	139508	8.059	ng	#	89
87) Benzo(b)fluoranthene	15.28	252	388035	18.208	ng		97
88) Benzo(k)fluoranthene	15.28	252	388035	19.807	ng	#	96
89) Benzo(a)pyrene	15.61	252	133972	7.020	ng		97
90) Dibenzo(a,h)anthracene	17.55	278	33660	2.132	ng		93
91) Benzo(g,h,i)perylene	17.85	276	126178	8.115	ng	#	90

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

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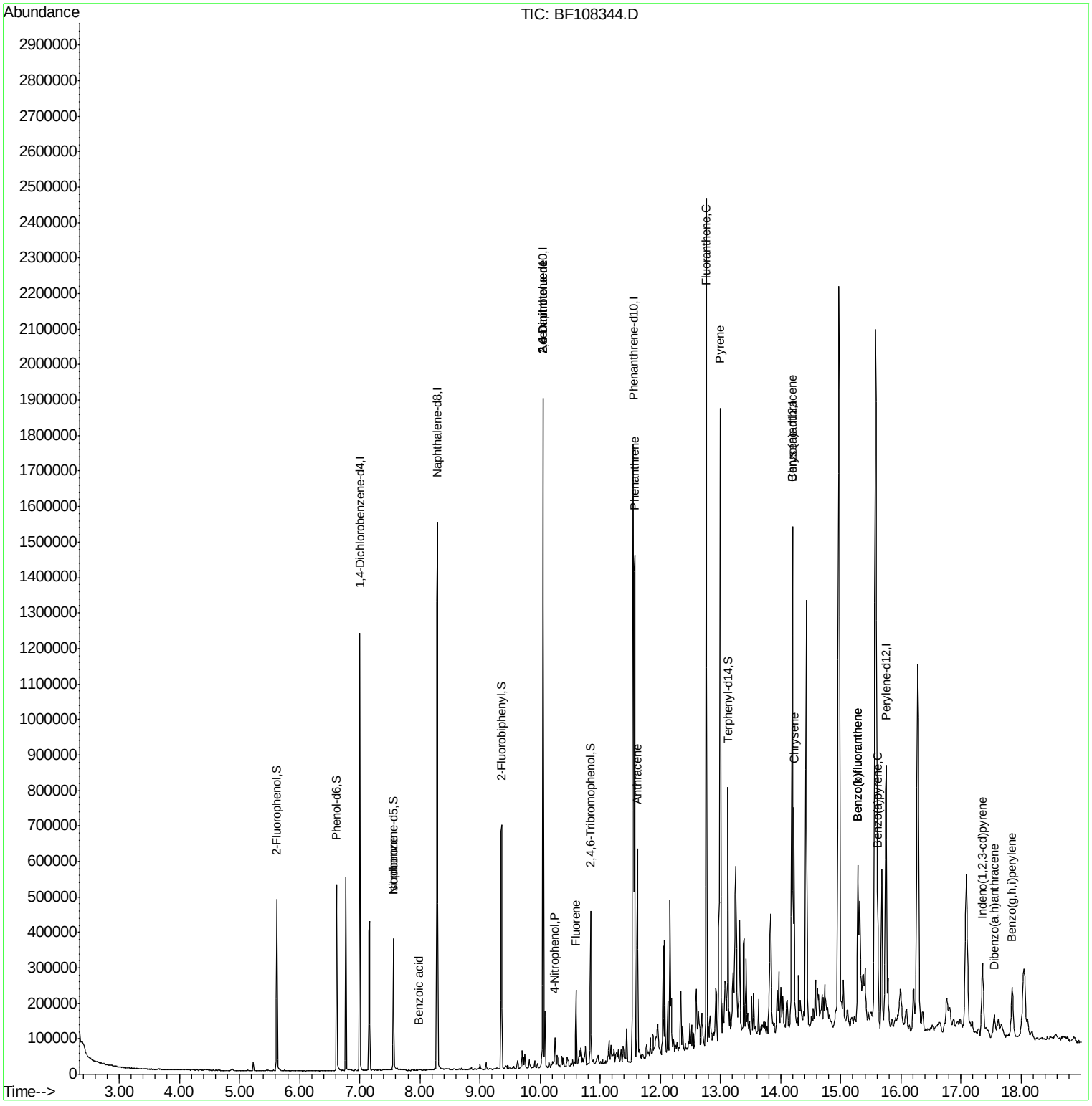
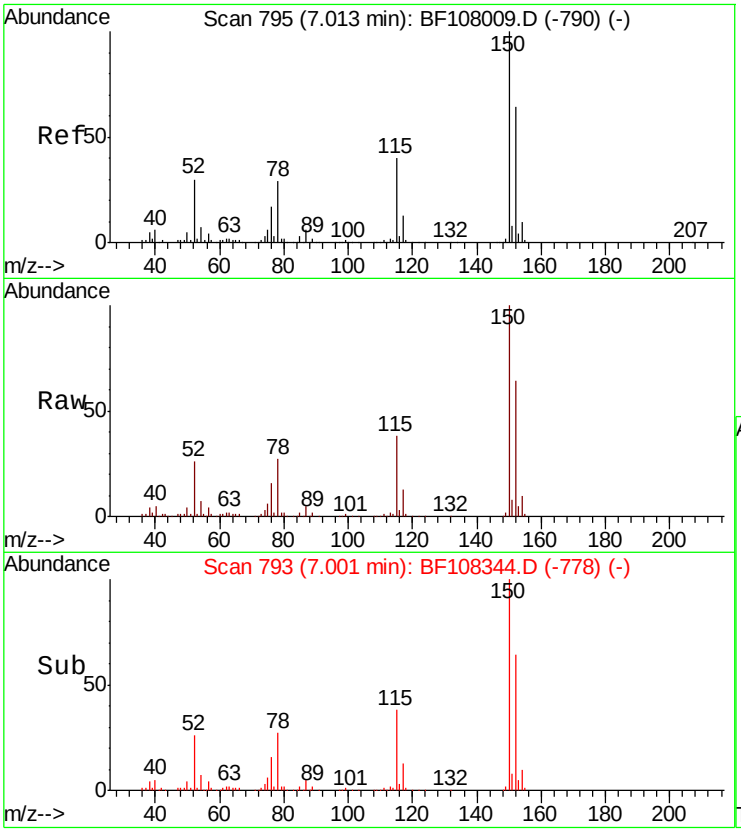


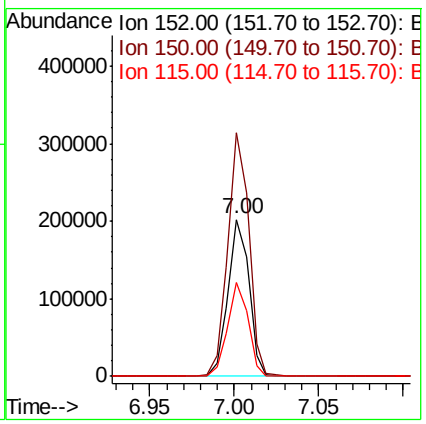


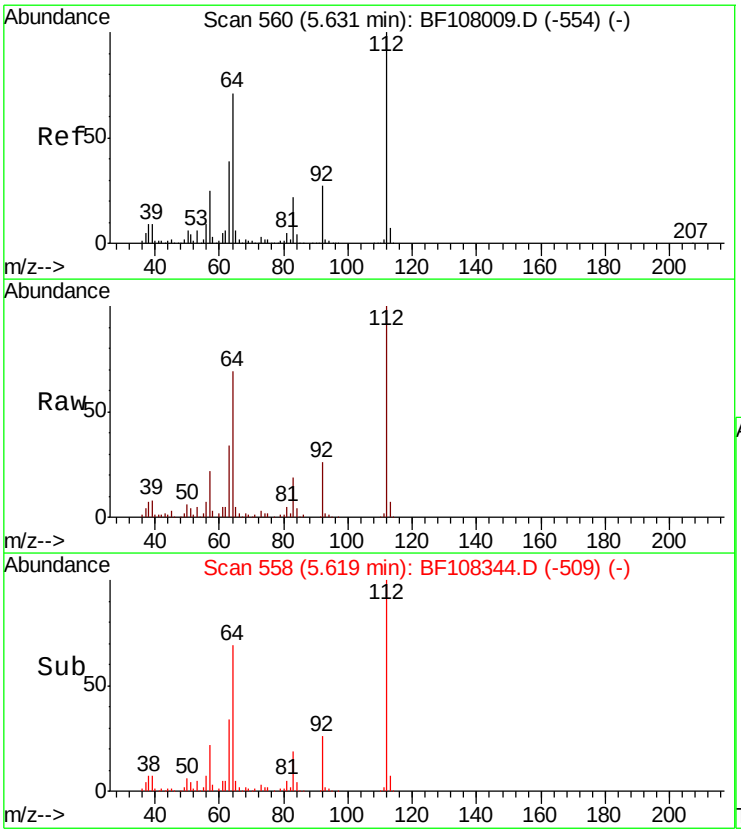
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 174564

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	59.7	50.1	75.1

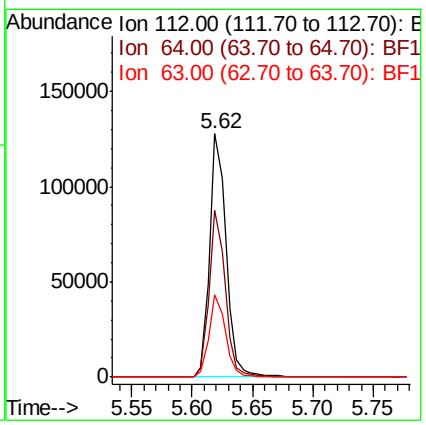


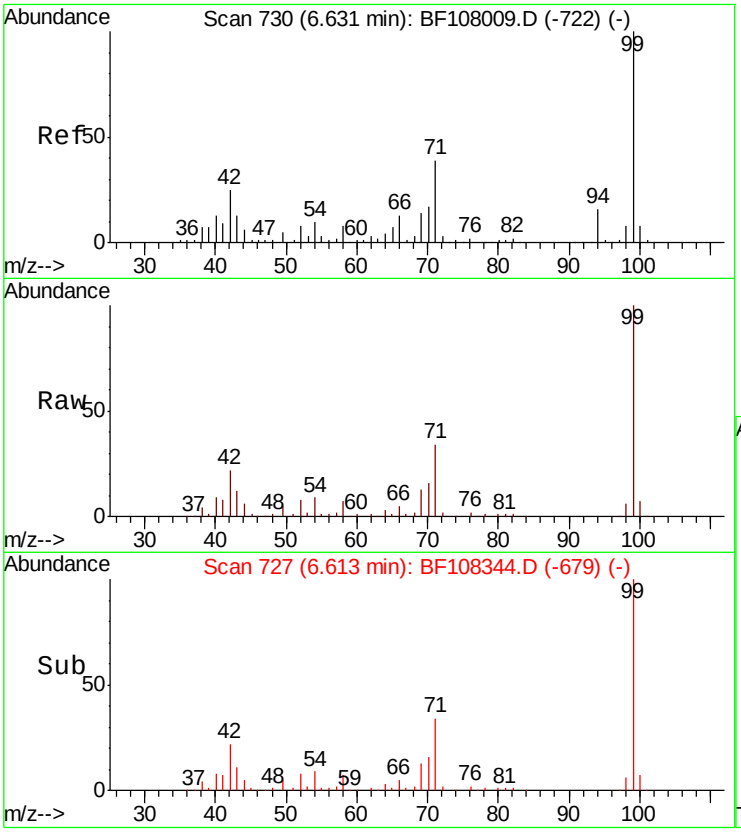


#5
2-Fluorophenol
Concen: 12.558 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:112 Resp: 121080

Ion	Ratio	Lower	Upper
112	100		
64	68.5	47.9	71.9
63	34.0	23.7	35.5



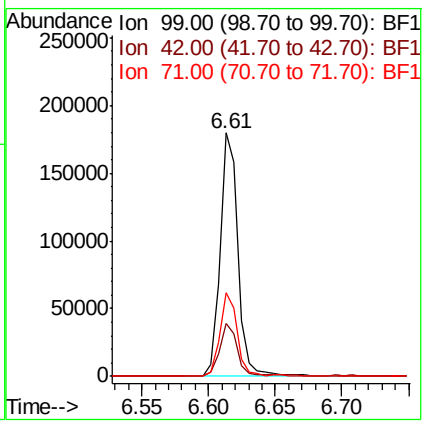


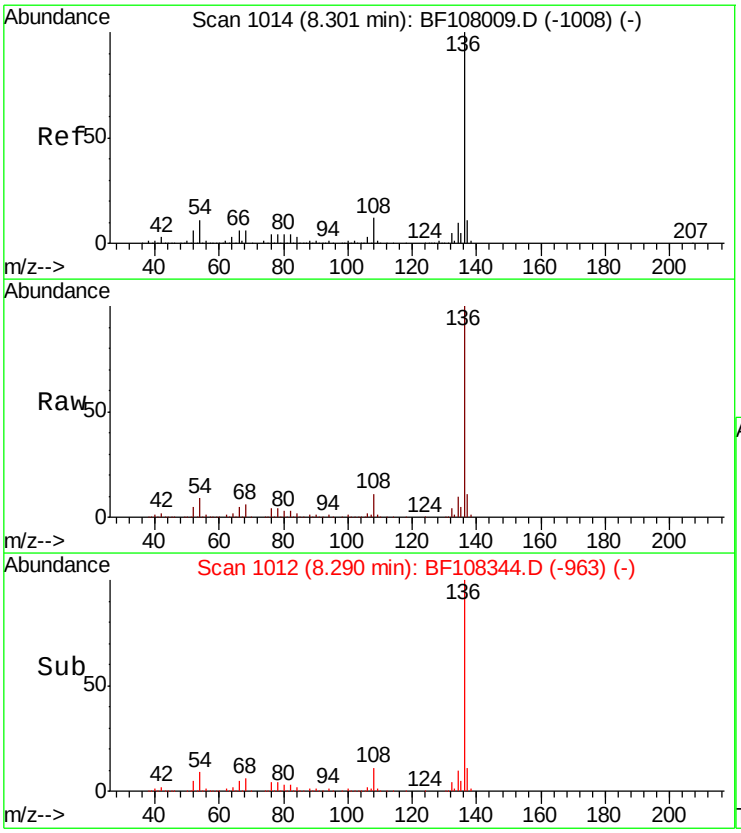
#7
Phenol-d6
Concen: 13.261 ng
RT: 6.61 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 169910

Ion	Ratio	Lower	Upper
99	100		
42	21.8	14.5	21.7#
71	34.5	25.4	38.0

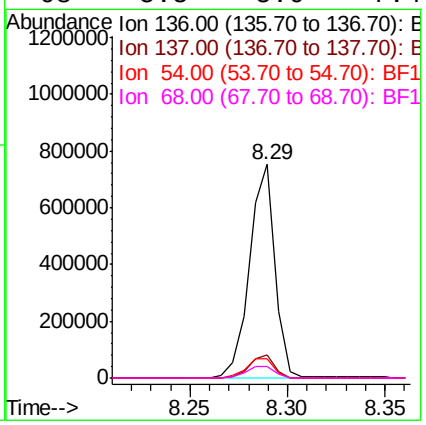


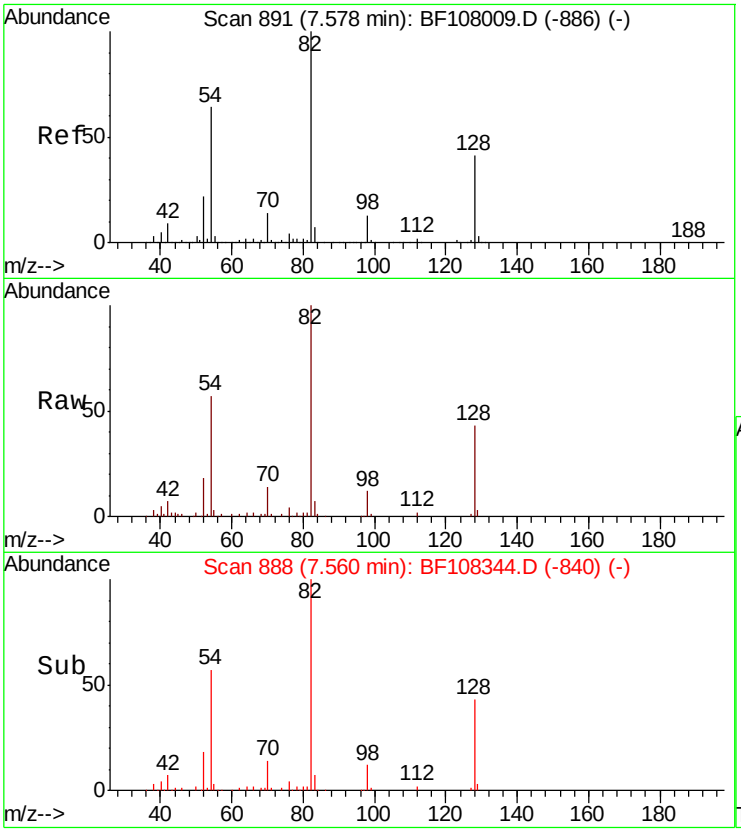


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:136 Resp: 680419

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	6.6	9.8
68	5.5	5.0	7.4



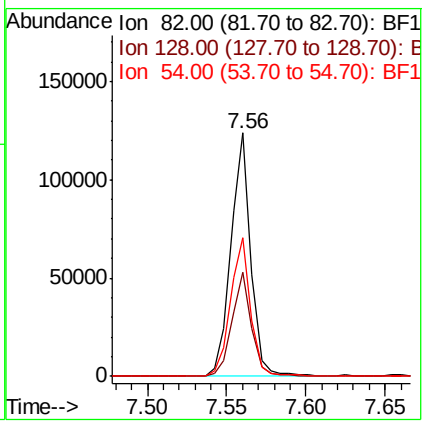


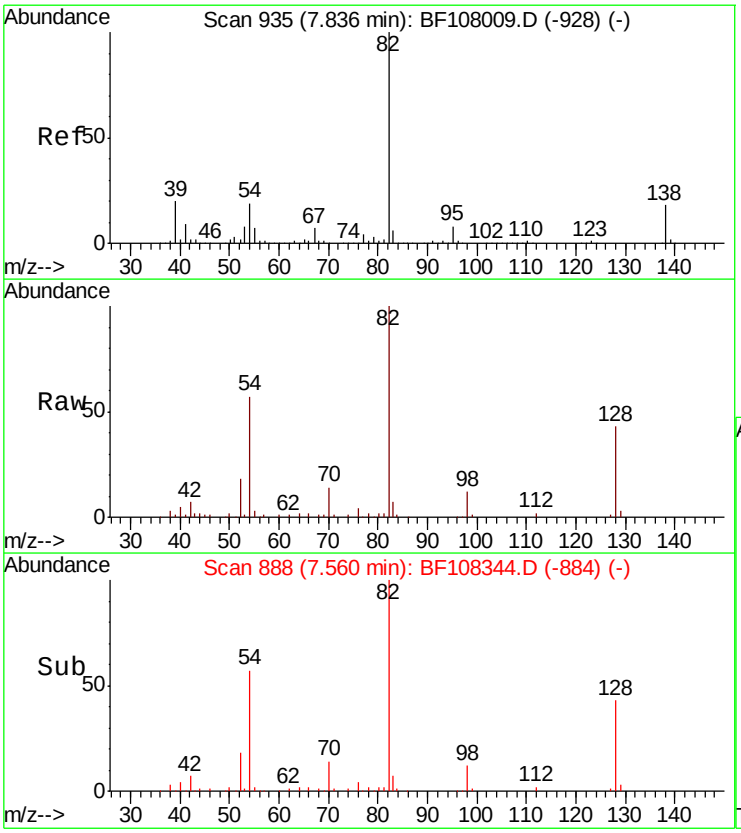
#23
Nitrobenzene-d5
Concen: 8.829 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 107651

Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	56.8	41.4	62.2

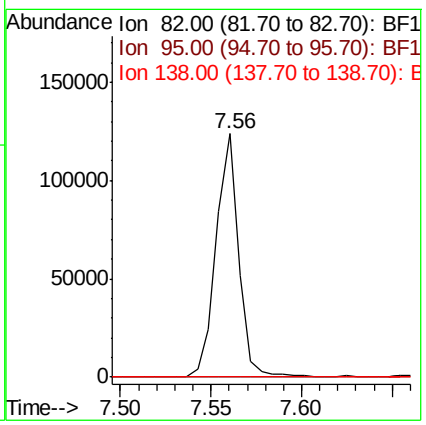


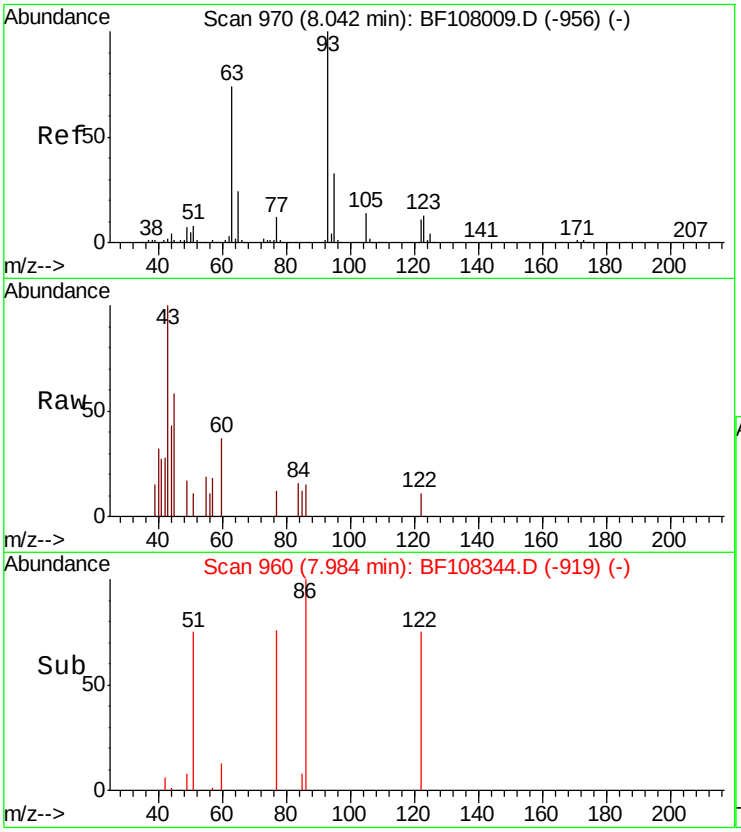


#25
Isophorone
Concen: 4.543 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.28 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion: 82 Resp: 105584

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



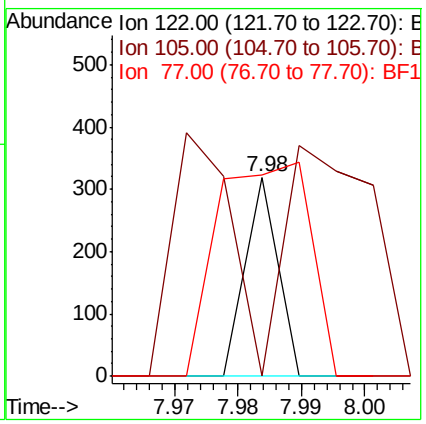


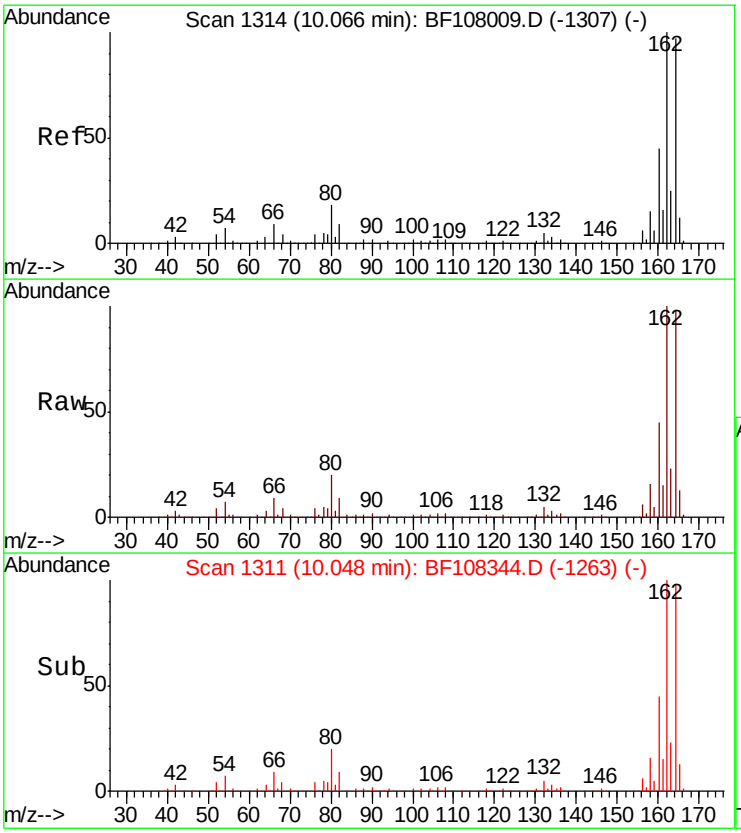
#32
Benzoic acid
Concen: 5.991 ng
RT: 7.98 min Scan# 960
Delta R.T. -0.06 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 113

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	101.3	70.7	110.7

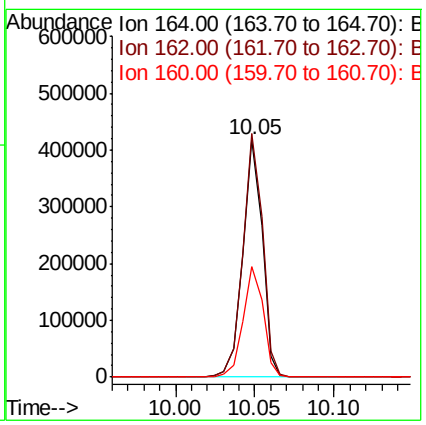


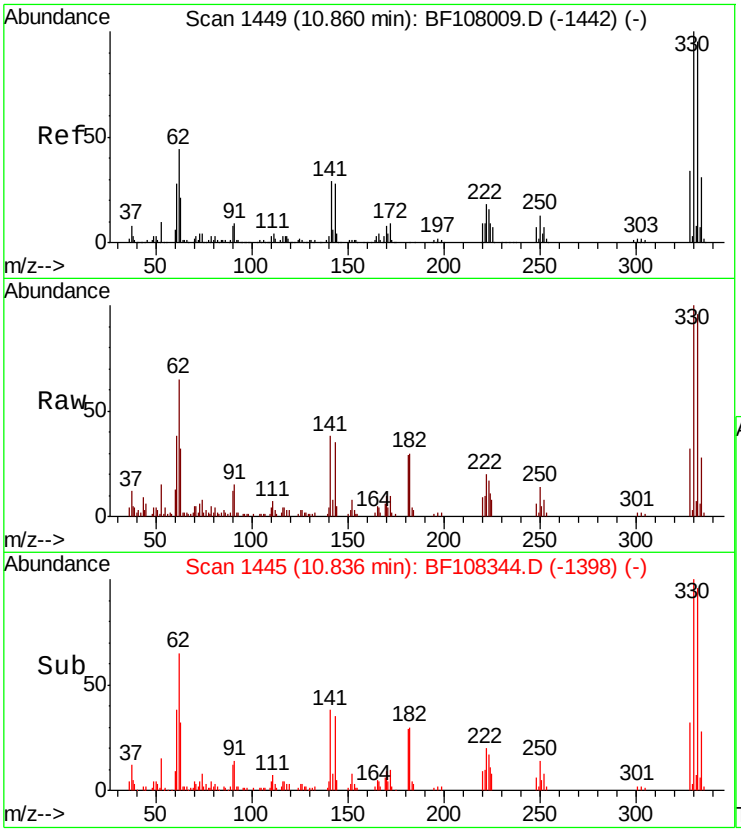


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:164 Resp: 354539

Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	46.5	38.3	57.5



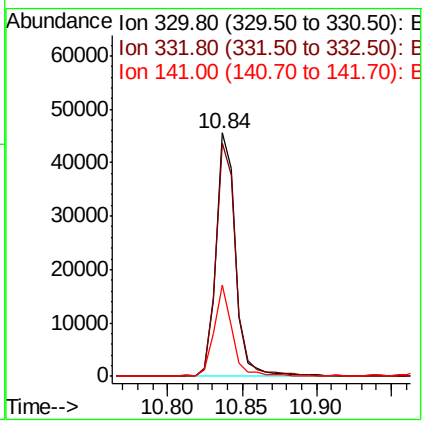


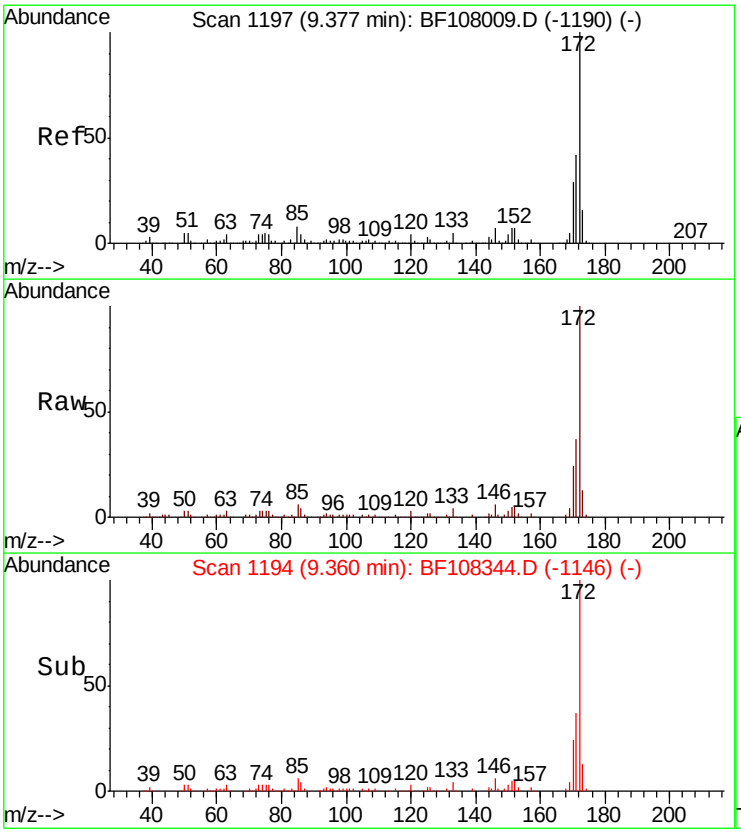
#41
2,4,6-Tribromophenol
Concen: 11.887 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 42039

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	34.7	29.9	44.9

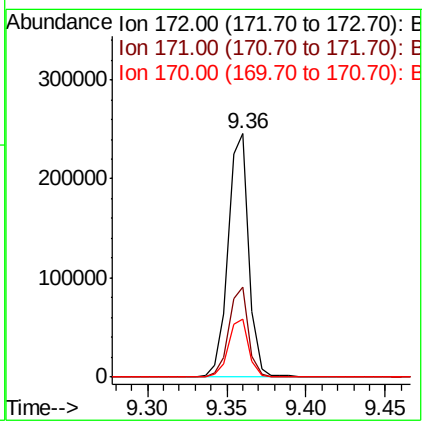


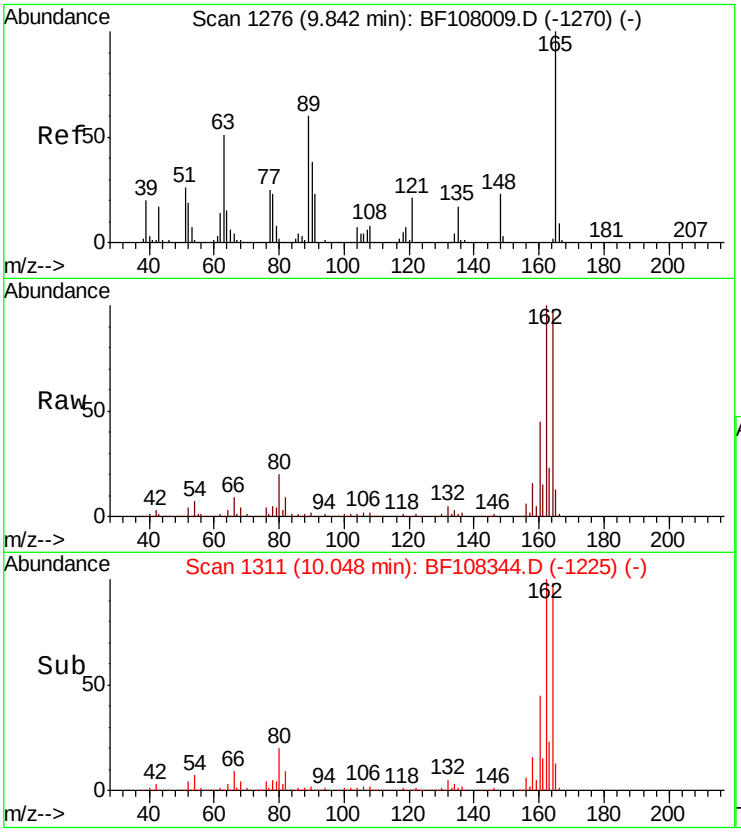


#44
2-Fluorobiphenyl
Concen: 10.071 ng
RT: 9.36 min Scan# 1194
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:172 Resp: 222393

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	23.7	19.6	29.4



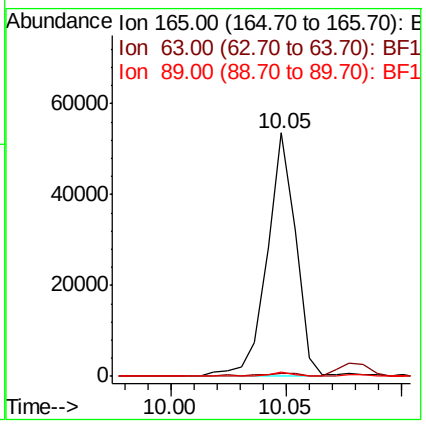


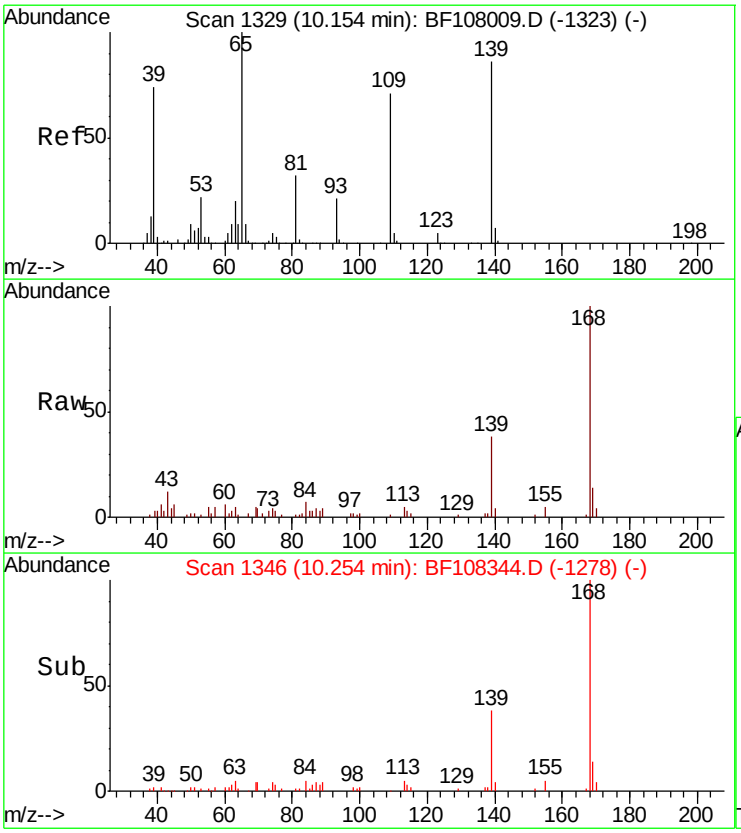
#50
2,6-Dinitrotoluene
Concen: 8.908 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.21 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 46028

Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.6	44.0	66.0#

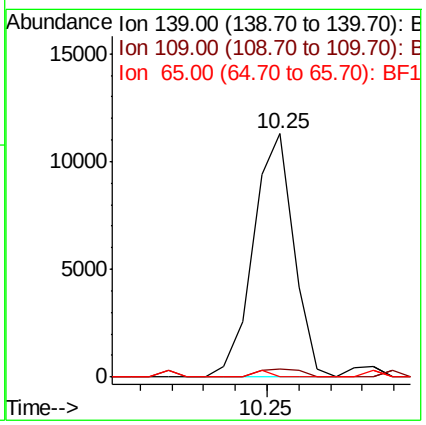


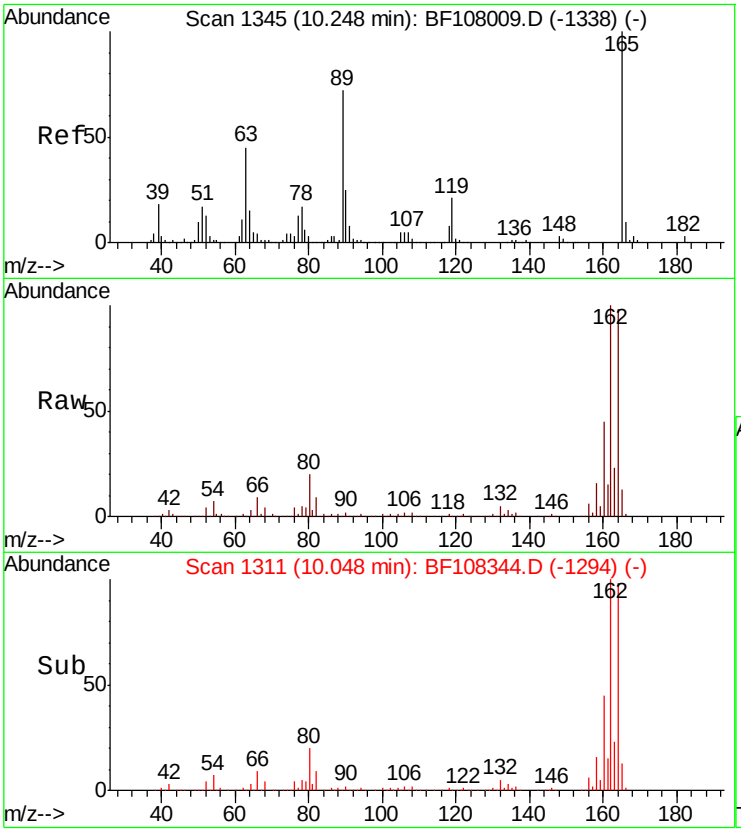


#55
4-Nitrophenol
Concen: 2.338 ng
RT: 10.25 min Scan# 1346
Delta R.T. 0.10 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:139 Resp: 10008

Ion	Ratio	Lower	Upper
139	100		
109	3.5	48.4	88.4#
65	0.0	72.6	112.6#



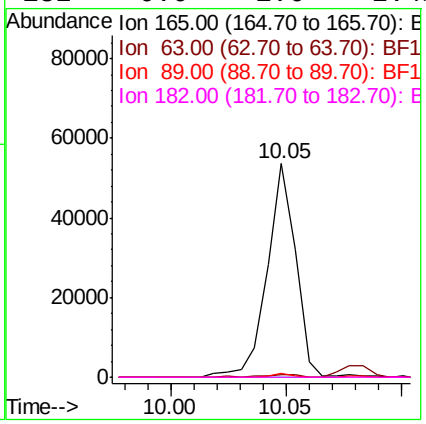


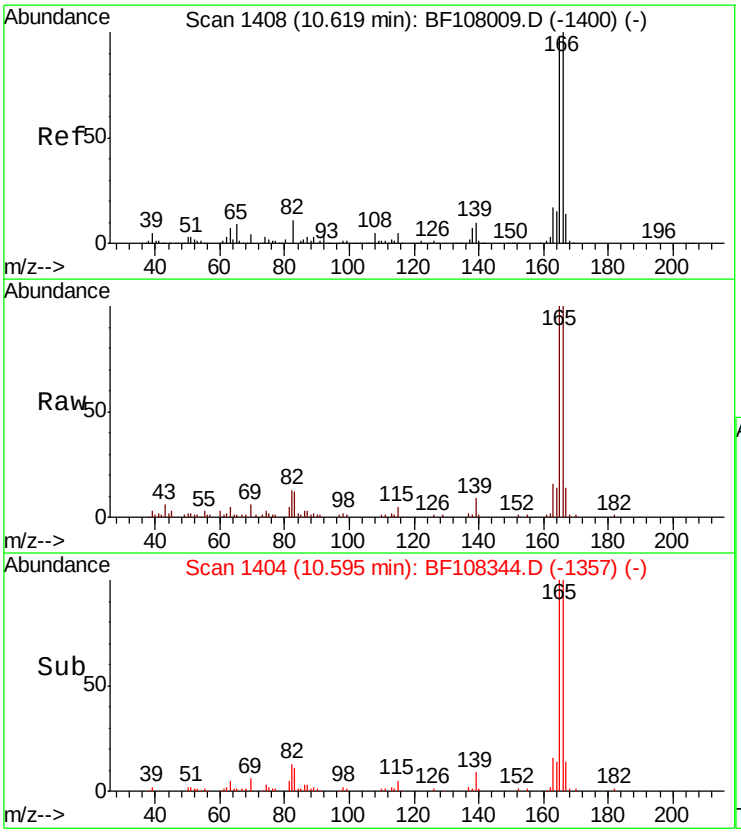
#56
2,4-Dinitrotoluene
Concen: 6.921 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.20 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 46028

Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

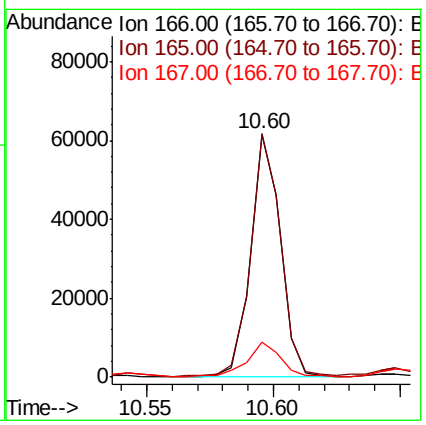


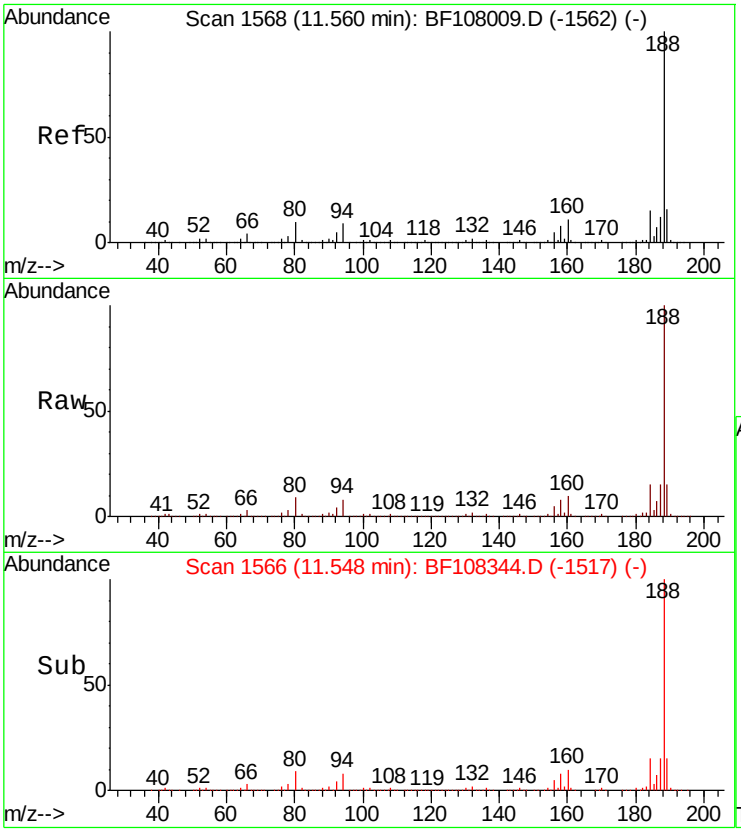


#57
Fluorene
Concen: 2.200 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:166 Resp: 50472

Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.8	119.8
167	14.4	10.6	16.0



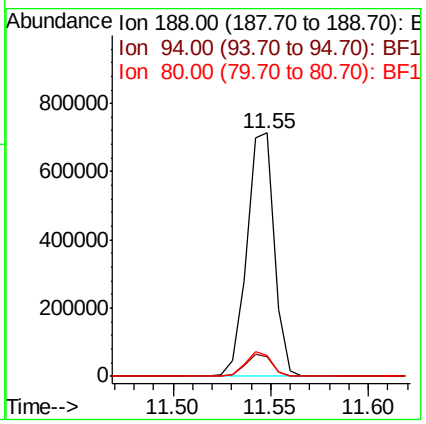


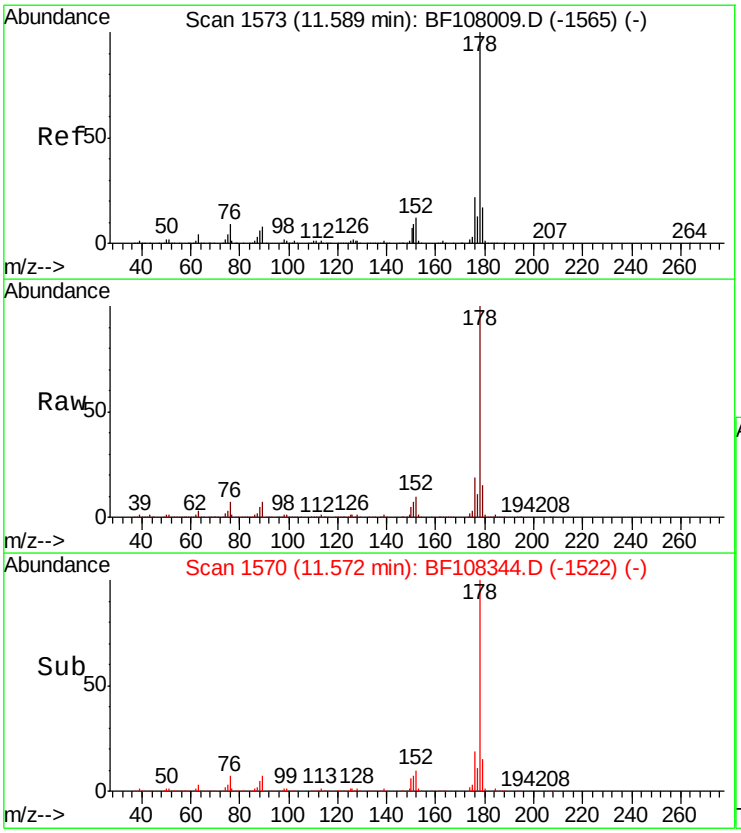
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 691286

Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.8	9.2	13.8#

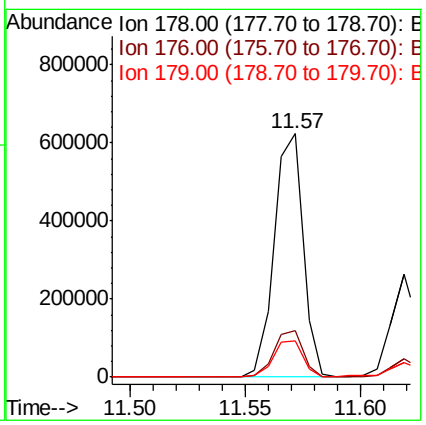


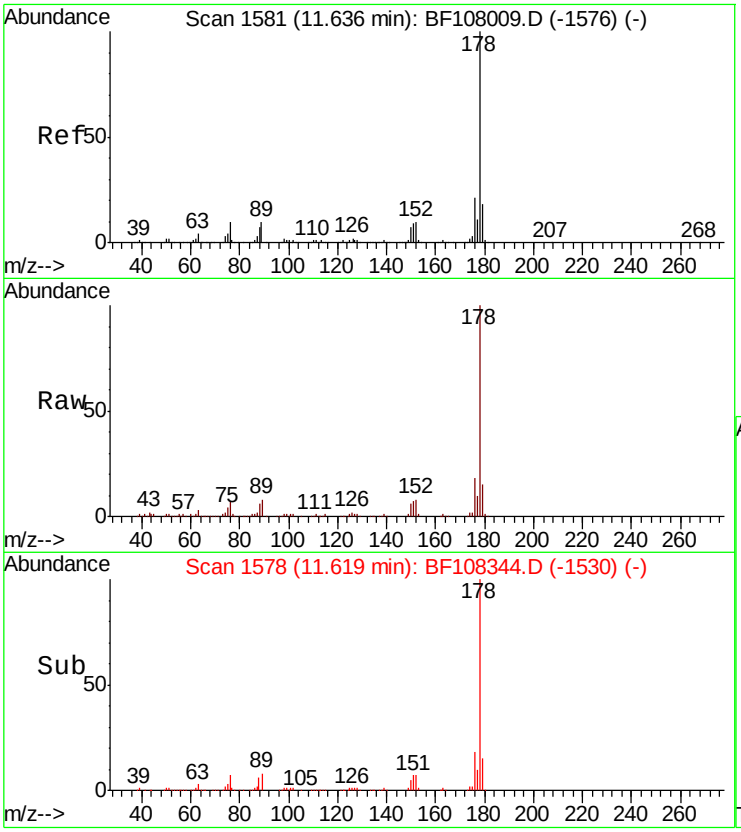


#70
Phenanthrene
Concen: 16.599 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:178 Resp: 541232

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.0	13.0	19.6



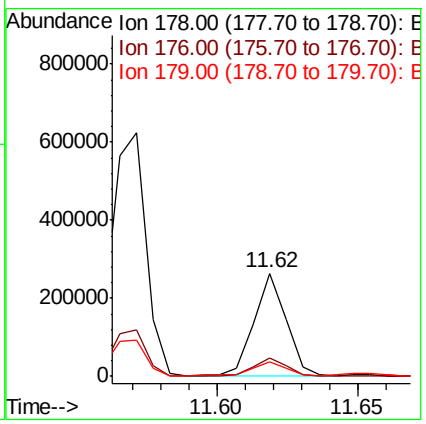


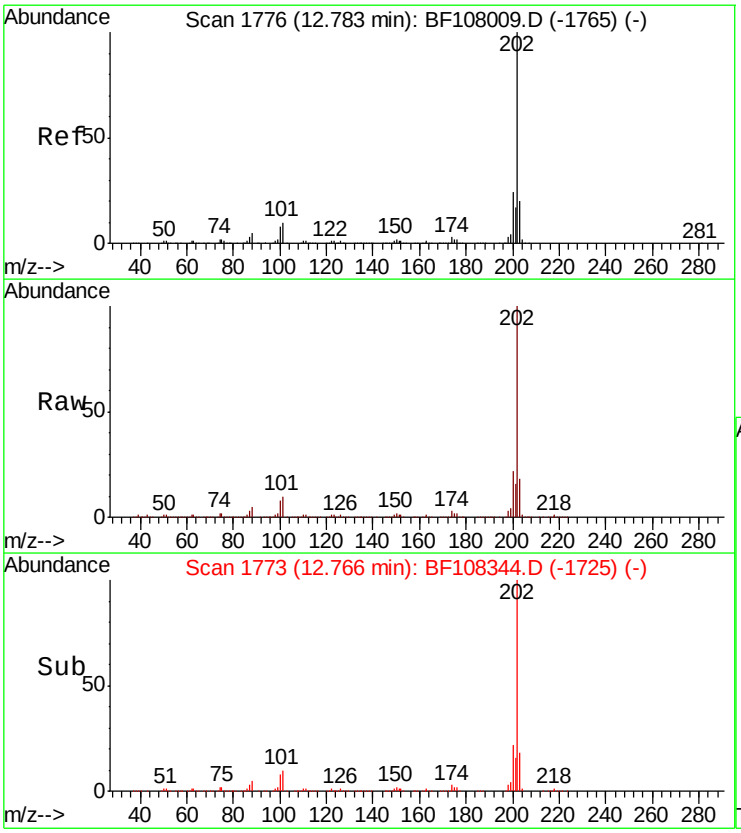
#71
Anthracene
Concen: 6.168 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 206110

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.6	12.6	19.0

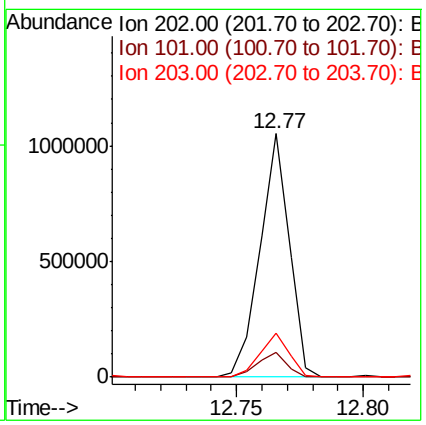


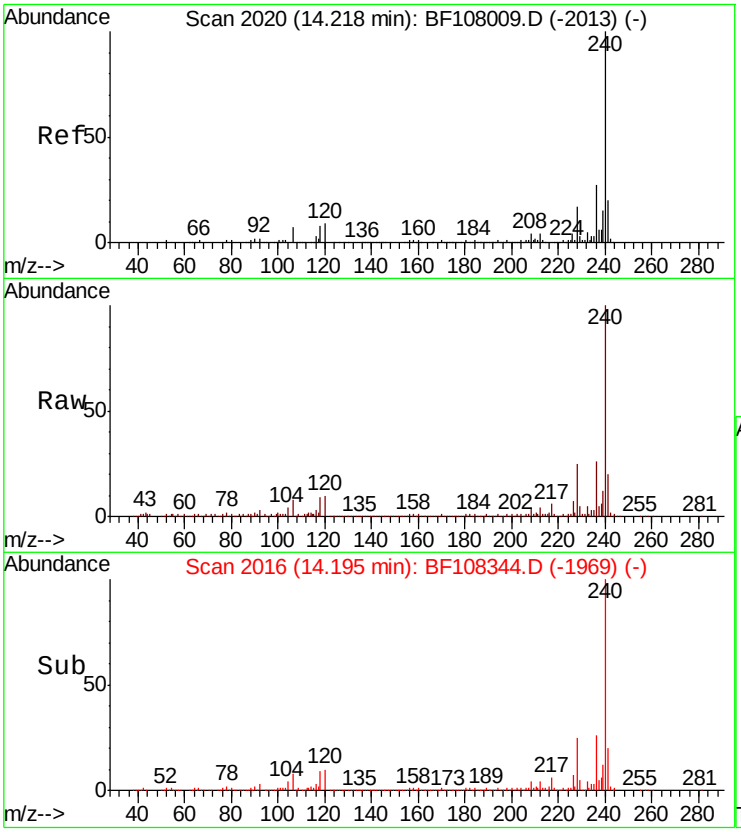


#74
Fluoranthene
Concen: 23.981 ng
RT: 12.77 min Scan# 1773
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:202 Resp: 853358

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	34.1
203	18.2	0.0	38.1



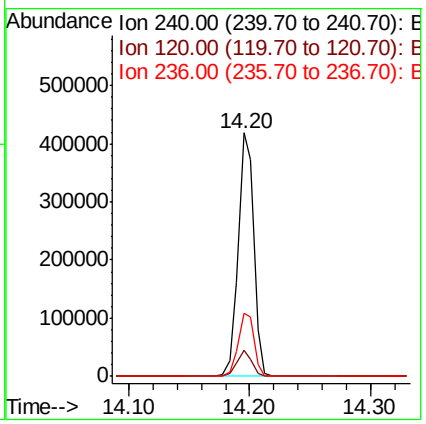


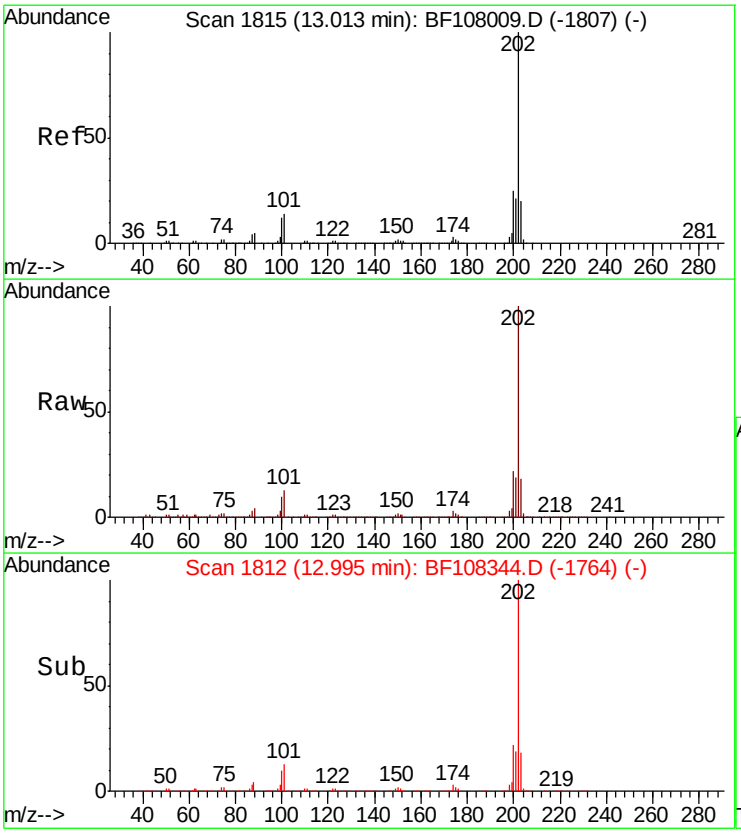
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.20 min Scan# 2016
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 379741

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	25.8	20.7	31.1

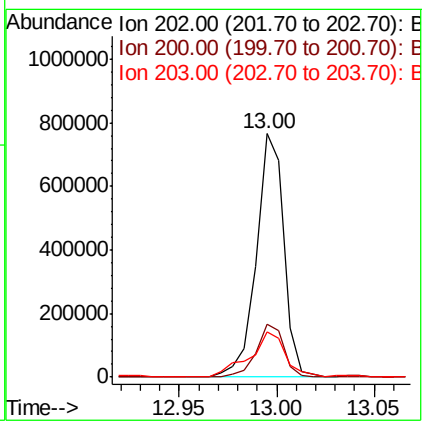


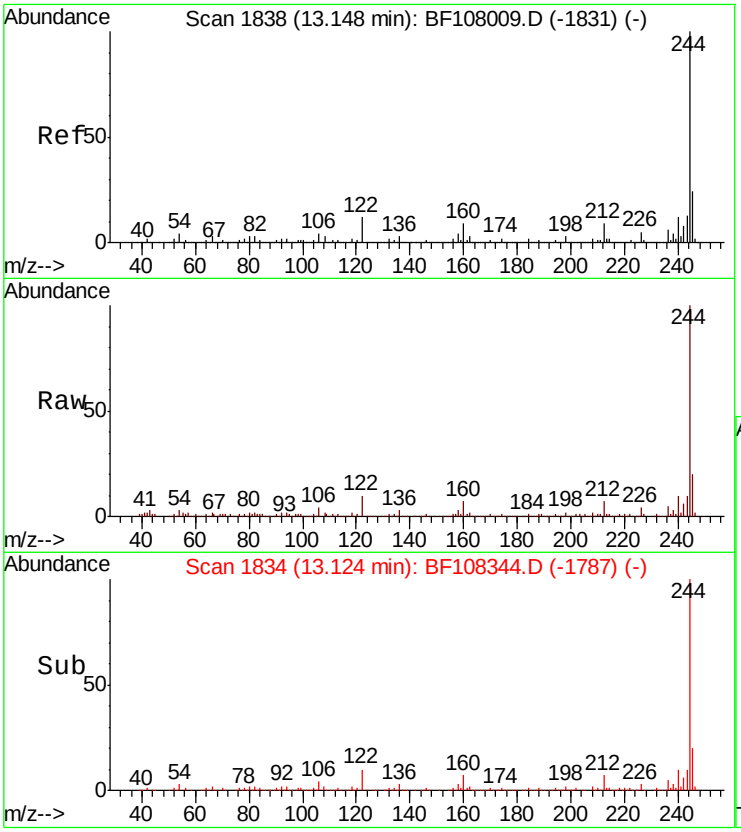


#77
Pyrene
Concen: 31.100 ng
RT: 13.00 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:202 Resp: 747690

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.4	14.3	21.5



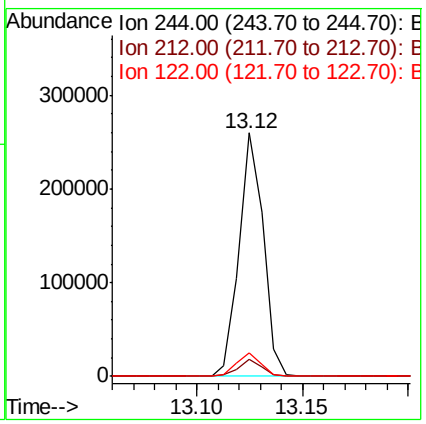


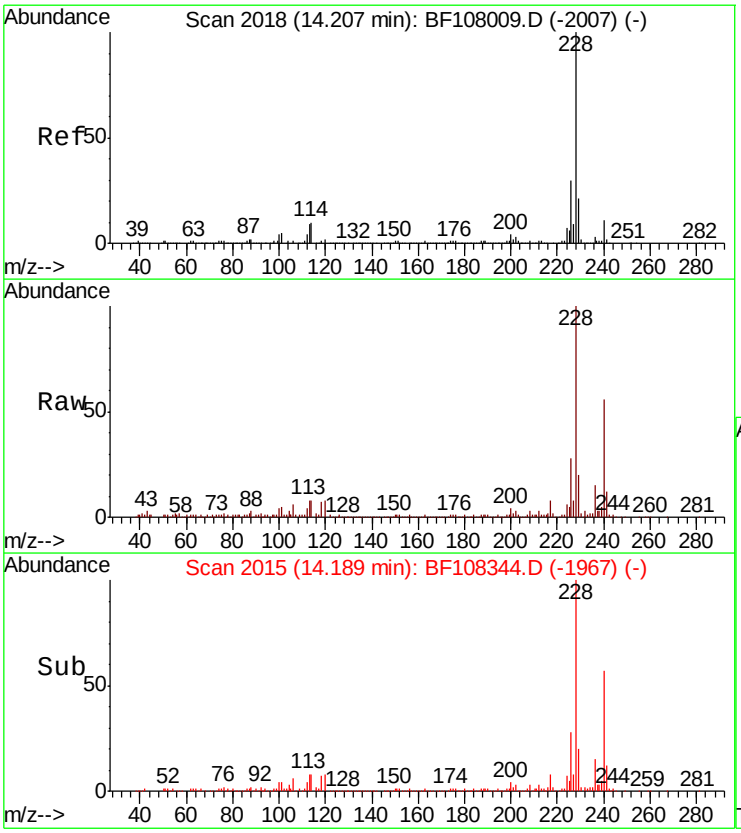
#78
Terphenyl-d14
Concen: 13.839 ng
RT: 13.12 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 206687

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.7	11.0	16.4#

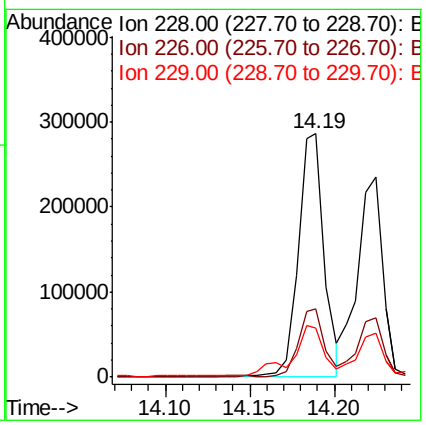


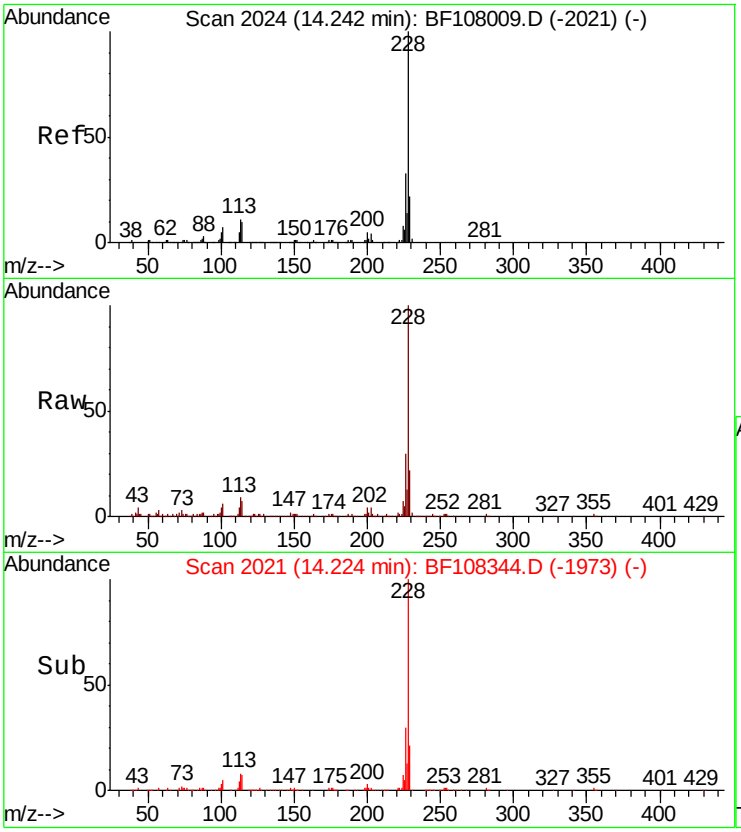


#80
Benzo(a)anthracene
Concen: 13.926 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:228 Resp: 303500

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.1	15.8	23.6



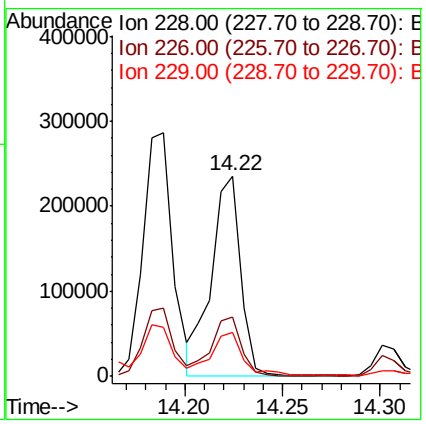


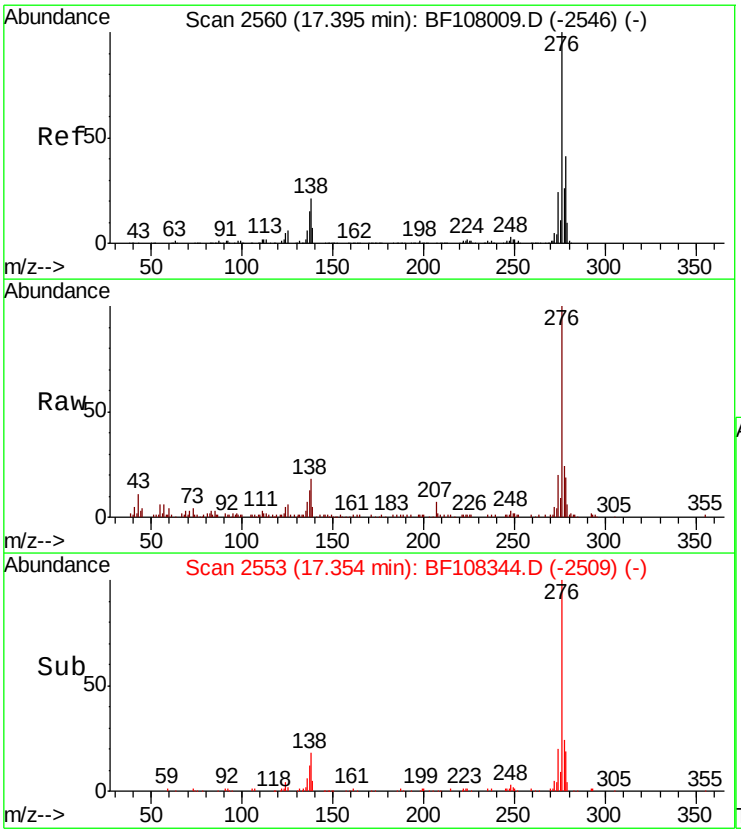
#82
Chrysene
Concen: 12.291 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 245574

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.7	16.2	24.4

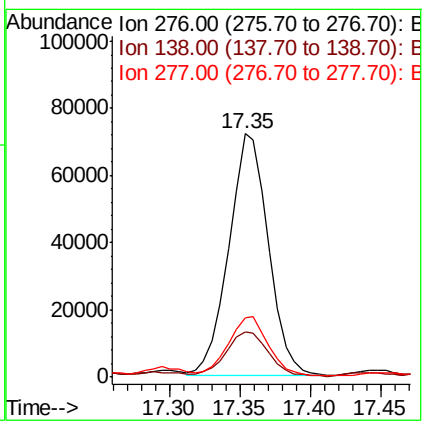


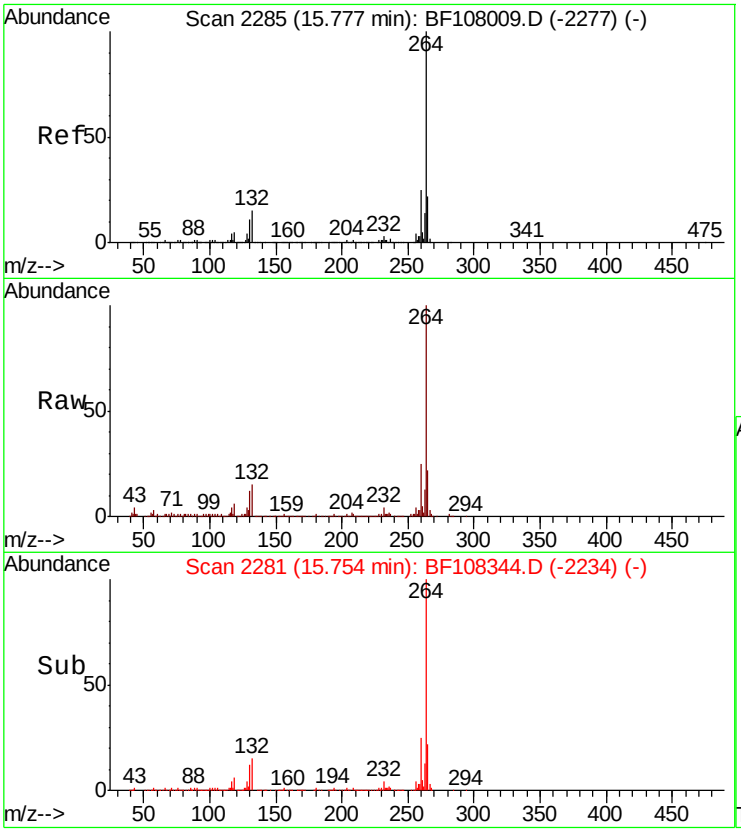


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.059 ng
RT: 17.35 min Scan# 2553
Delta R.T. -0.04 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:276 Resp: 139508

Ion	Ratio	Lower	Upper
276	100		
138	20.7	25.0	37.6#
277	24.5	20.1	30.1



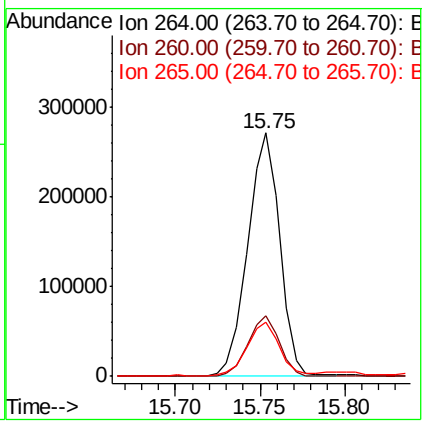


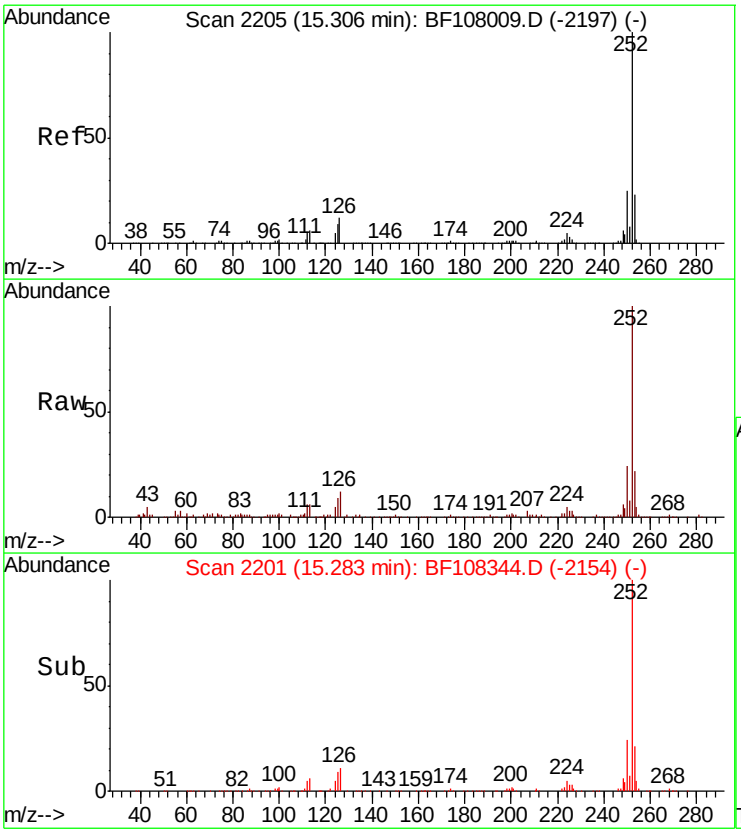
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 356653

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.3	17.5	26.3

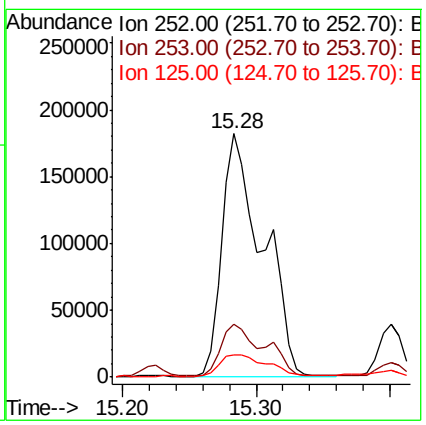


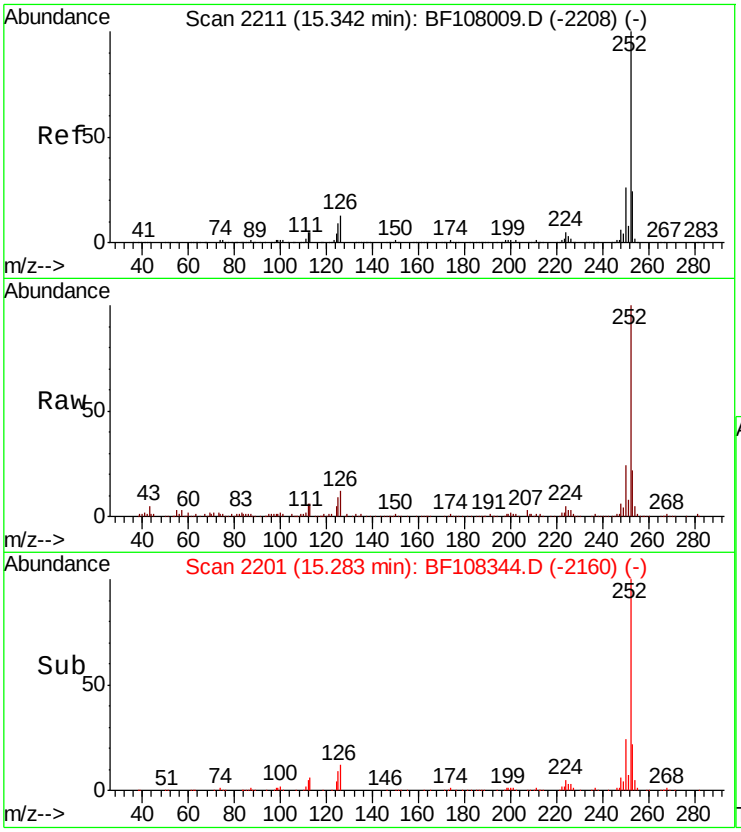


#87
Benzo(b)fluoranthene
Concen: 18.208 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:252 Resp: 388035

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	9.1	9.0	13.6



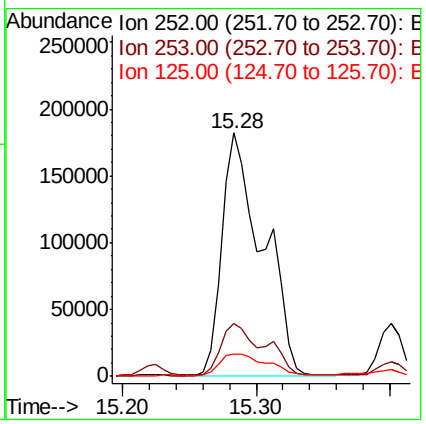


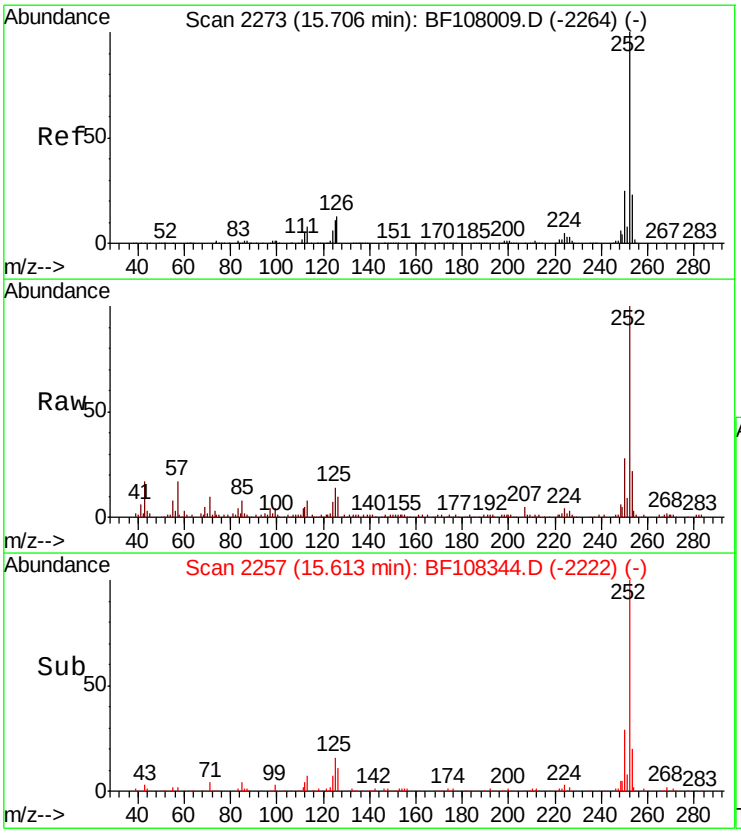
#88
Benzo(k)fluoranthene
Concen: 19.807 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.06 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 388035

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	9.1	10.2	15.2#

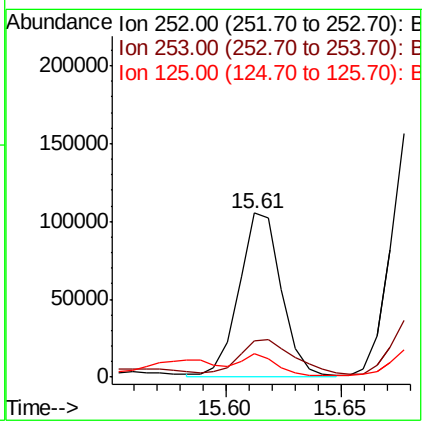


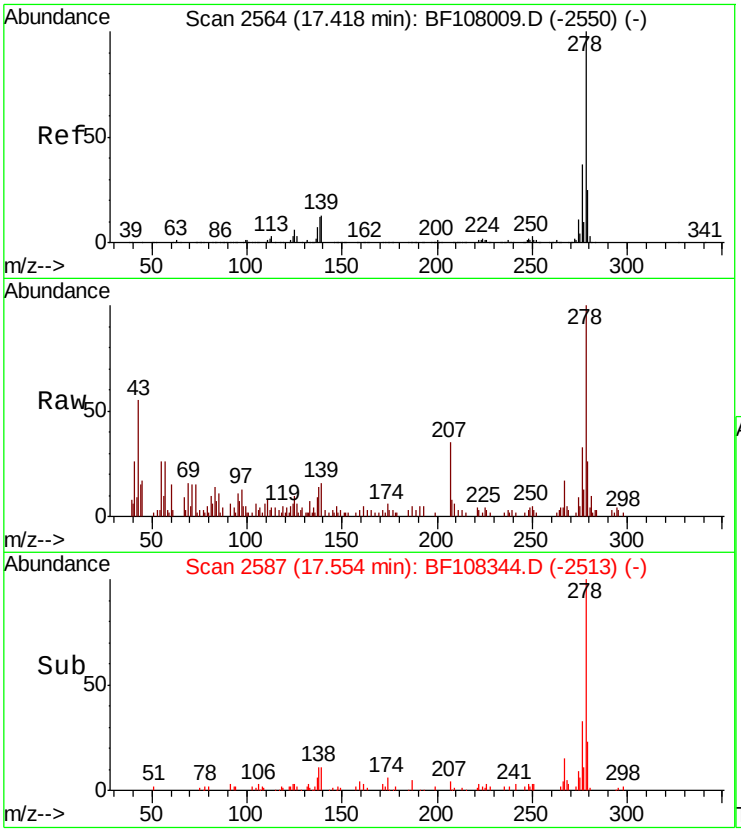


#89
Benzo(a)pyrene
Concen: 7.020 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.09 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:252 Resp: 133972

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	14.2	9.8	14.6



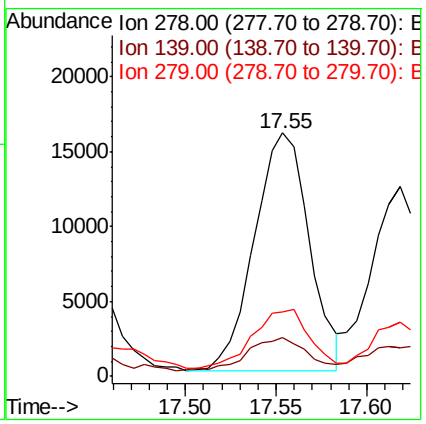


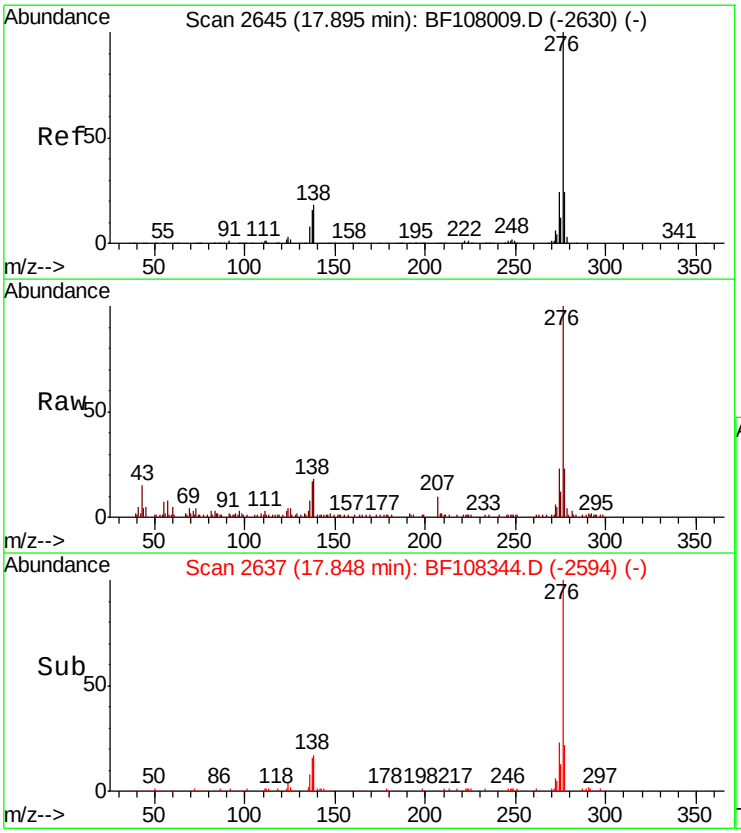
#90
Dibenzo(a,h)anthracene
Concen: 2.132 ng
RT: 17.55 min Scan# 2587
Delta R.T. 0.14 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 33660

Ion	Ratio	Lower	Upper
278	100		
139	16.1	15.9	23.9
279	26.4	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 8.115 ng
RT: 17.85 min Scan# 2637
Delta R.T. -0.05 min
Lab File: BF108344.D
Acq: 21 Aug 2018 18:26

Tgt Ion:276 Resp: 126178

Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	18.1	21.8	32.8#