Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116993.D
Acq On : 12 Sep 2019 15:49
Operator : HP/JU
Sample : K4837-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 13 07:45:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 08:24:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	64533	20.00	ng		0.00
21) Naphthalene-d8	8.10	136	253923	20.00	ng		0.00
39) Acenaphthene-d10	9.85	164	125594	20.00	ng		0.00
64) Phenanthrene-d10	11.33	188	184949	20.00	ng		0.00
76) Chrysene-d12	13.97	240	124261	20.00	ng		0.00
87) Perylene-d12	15.42	264	146219	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.44	112	421898	105.91	ng		0.00
7) Phenol-d6	6.46	99	559427	106.95	ng		0.00
23) Nitrobenzene-d5	7.38	82	351782	79.09	ng		-0.01
42) 2,4,6-Tribromophenol	10.64	330	102920	122.58	ng		0.00
45) 2-Fluorobiphenyl	9.17	172	558866	75.06	ng		0.00
79) Terphenyl-d14	12.92	244	399304	59.45	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.59	77	10660	3.093	ng		81
19) n-Nitroso-di-n-propylamine	7.38	70	46504	13.503	ng	#	79
25) Isophorone	7.38	82	351780	39.030	ng	#	66
50) Dimethylphthalate	9.57	163	108531	12.517	ng		98
57) 2,4-Dinitrotoluene	9.85	165	16677	8.244	ng	#	19
65) 4,6-Dinitro-2-methylphenol	10.64	198	127	7.609	ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	6423	3.419	ng	#	1
71) Phenanthrene	11.36	178	86775	8.428	ng		99
72) Anthracene	11.41	178	25862	2.495	ng		97
75) Fluoranthene	12.54	202	161789	15.990	ng		98
78) Pyrene	12.77	202	139461	12.626	ng		97
81) Benzo(a)anthracene	13.96	228	60158	7.649	ng		99
83) Chrysene	13.99	228	49645	6.127	ng		97
86) Indeno(1,2,3-cd)pyrene	16.84	276	25804	3.965	ng		95
88) Benzo(b)fluoranthene	14.99	252	89543	10.129	ng		99
89) Benzo(k)fluoranthene	14.99	252	89543	11.109	ng		98
90) Benzo(a)pyrene	15.35	252	48825	6.348	ng		98
92) Benzo(g,h,i)perylene	17.27	276	25322	3.688	ng		98

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

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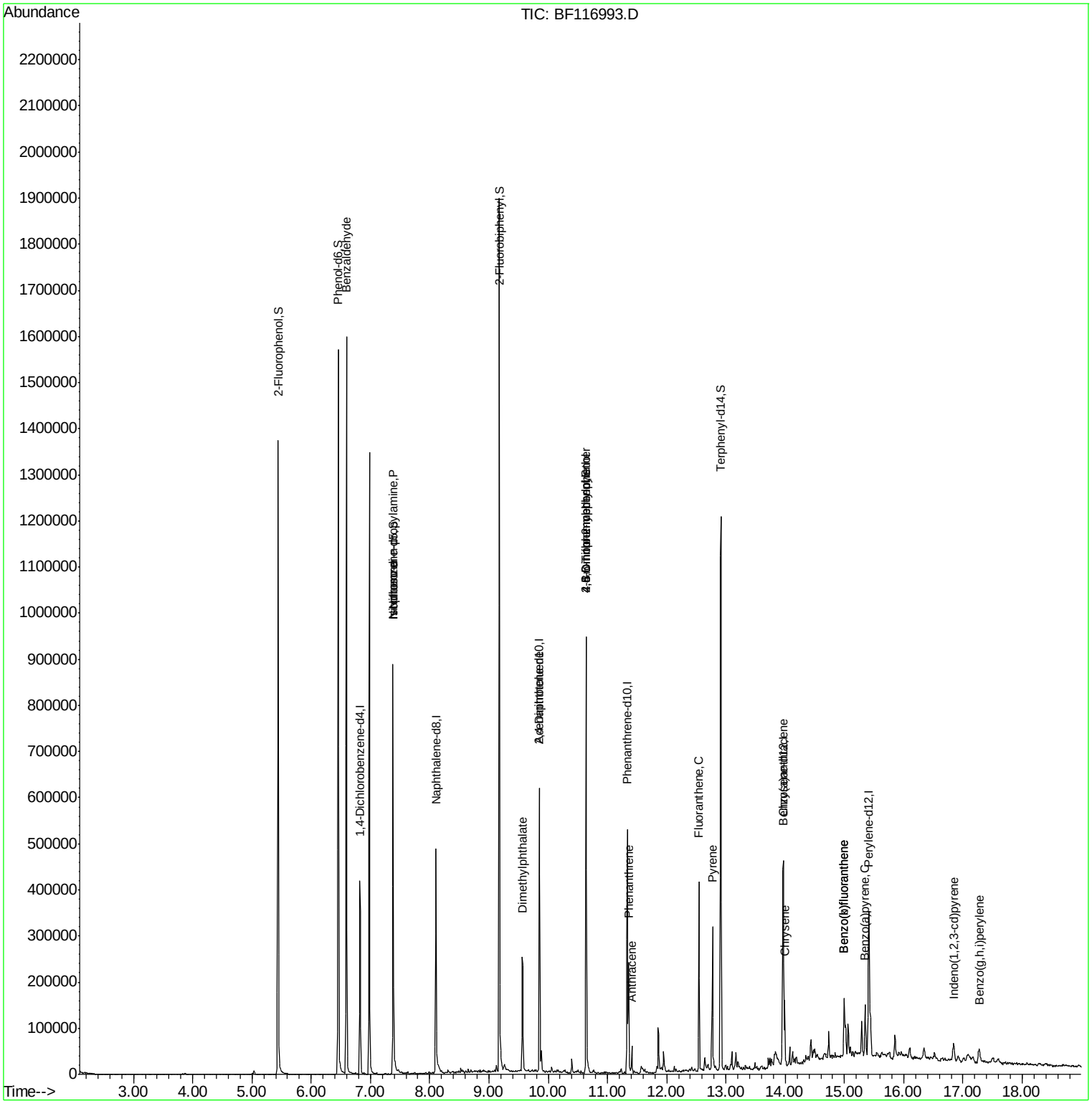
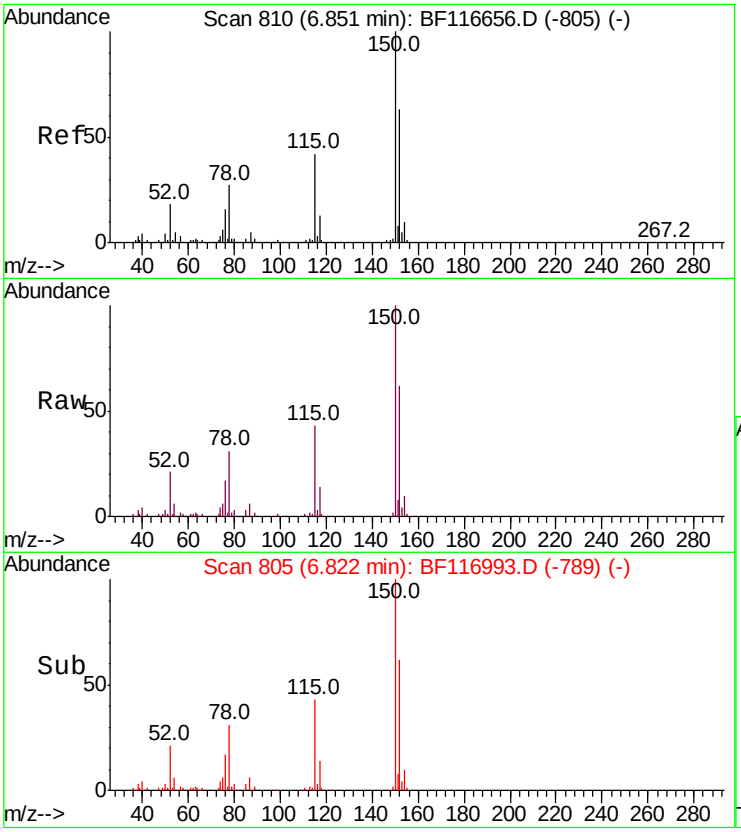


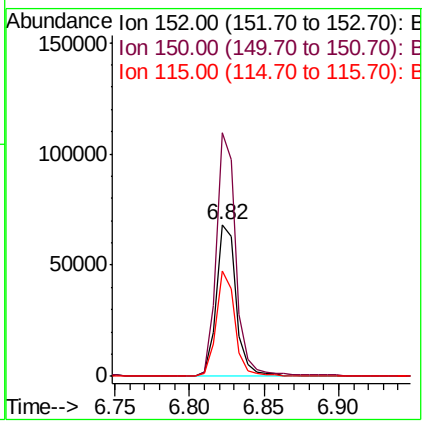


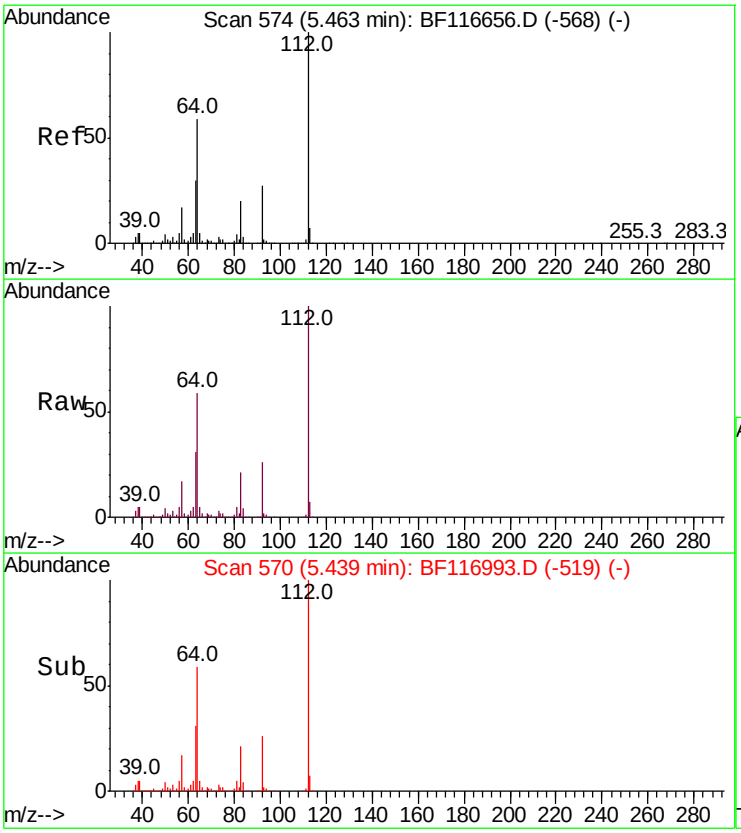
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 64533

Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	69.6	50.2	75.2

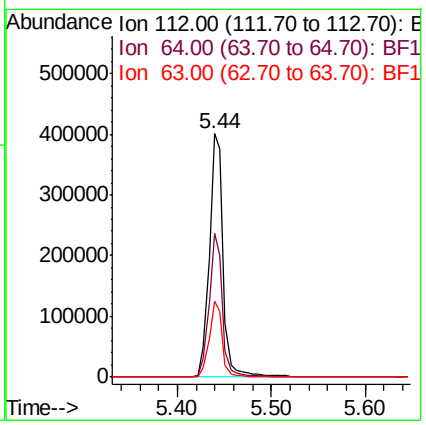


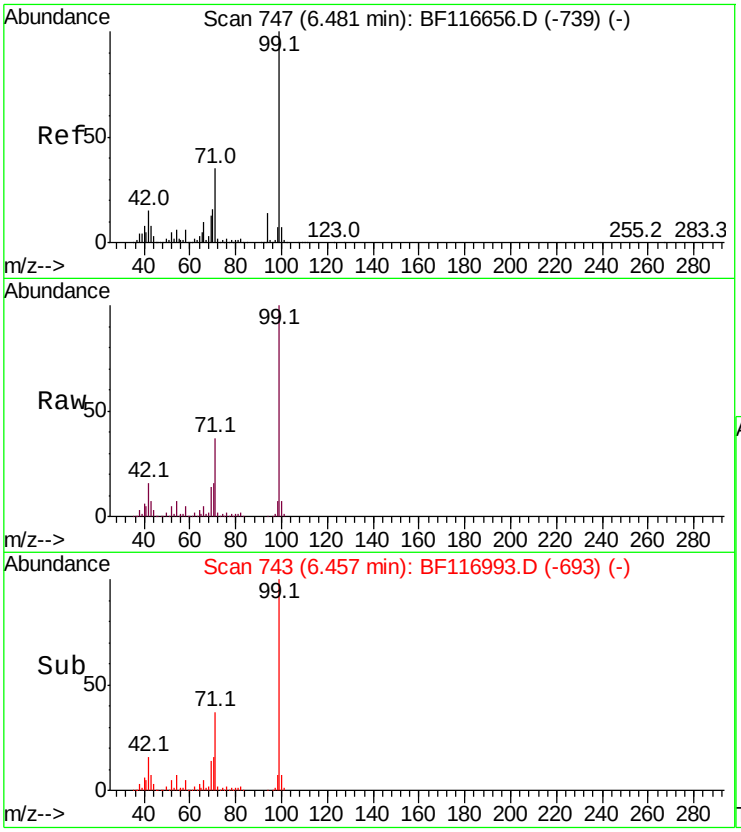


#5
2-Fluorophenol
Concen: 105.915 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:112 Resp: 421898

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.1	70.7
63	31.1	25.4	38.0



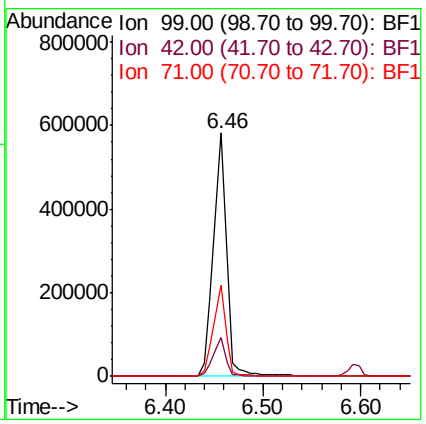


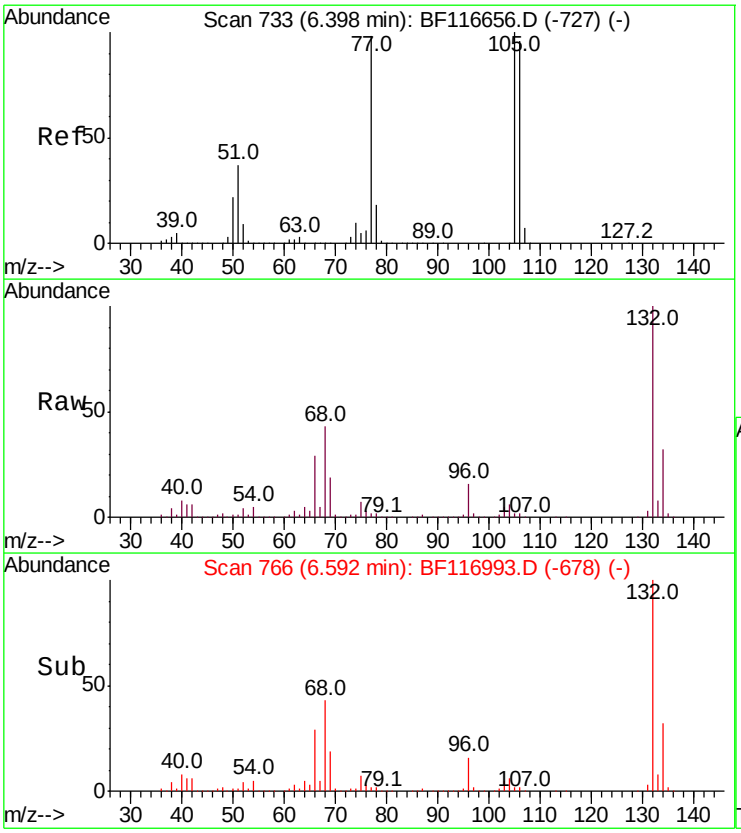
#7
Phenol-d6
Concen: 106.952 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 559427

Ion	Ratio	Lower	Upper
99	100		
42	16.1	12.0	18.0
71	37.5	29.7	44.5

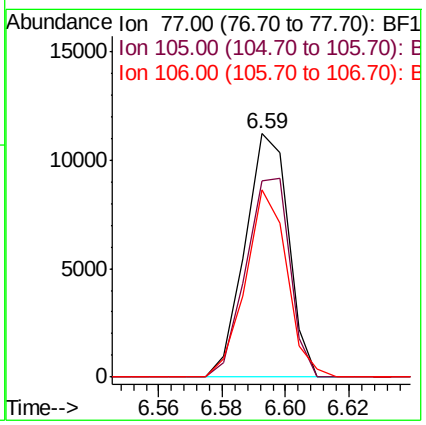


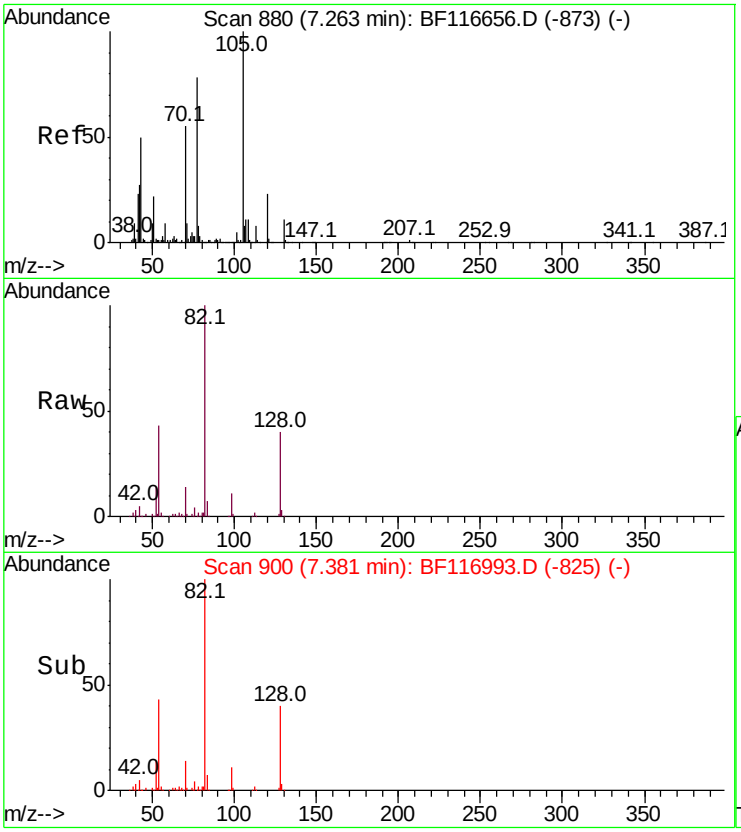


#9
Benzaldehyde
Concen: 3.093 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.22 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion: 77 Resp: 10660

Ion	Ratio	Lower	Upper
77	100		
105	80.6	79.3	119.3
106	76.9	75.1	115.1



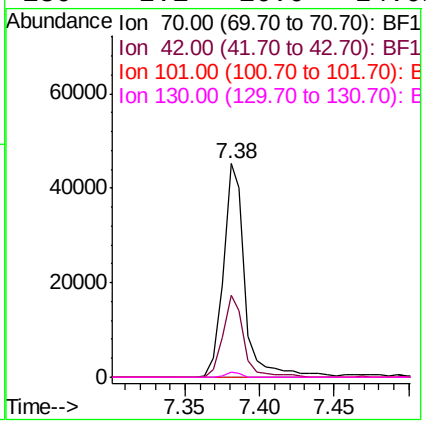


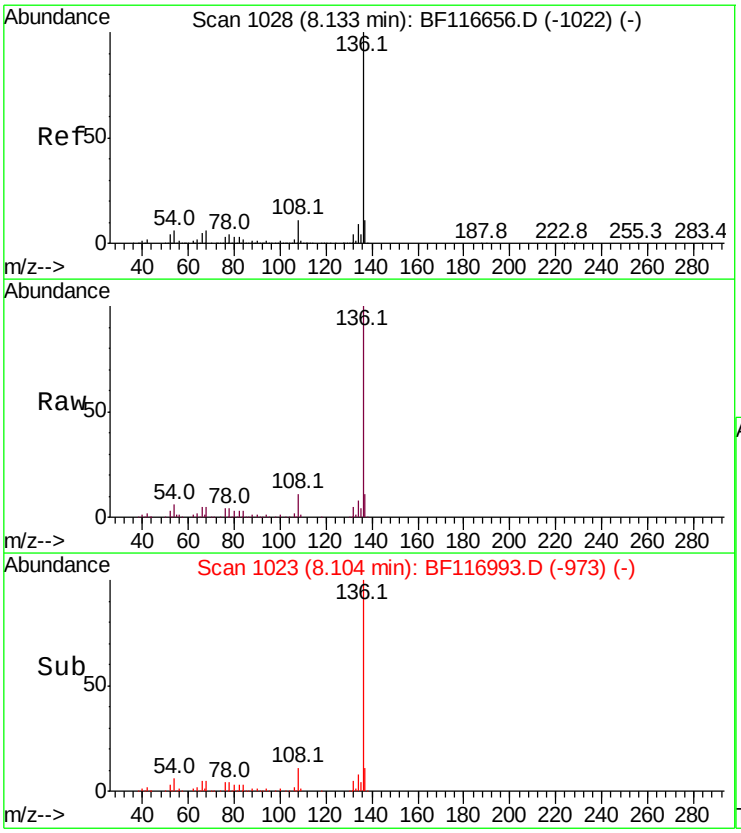
#19
n-Nitroso-di-n-propylamine
Concen: 13.503 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 46504

Ion	Ratio	Lower	Upper
70	100		
42	38.4	37.0	55.4
101	0.0	7.4	11.2#
130	2.1	16.0	24.0#

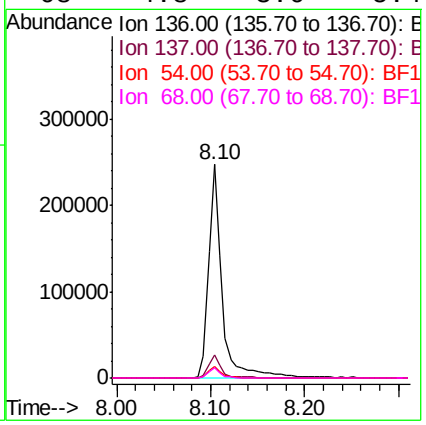


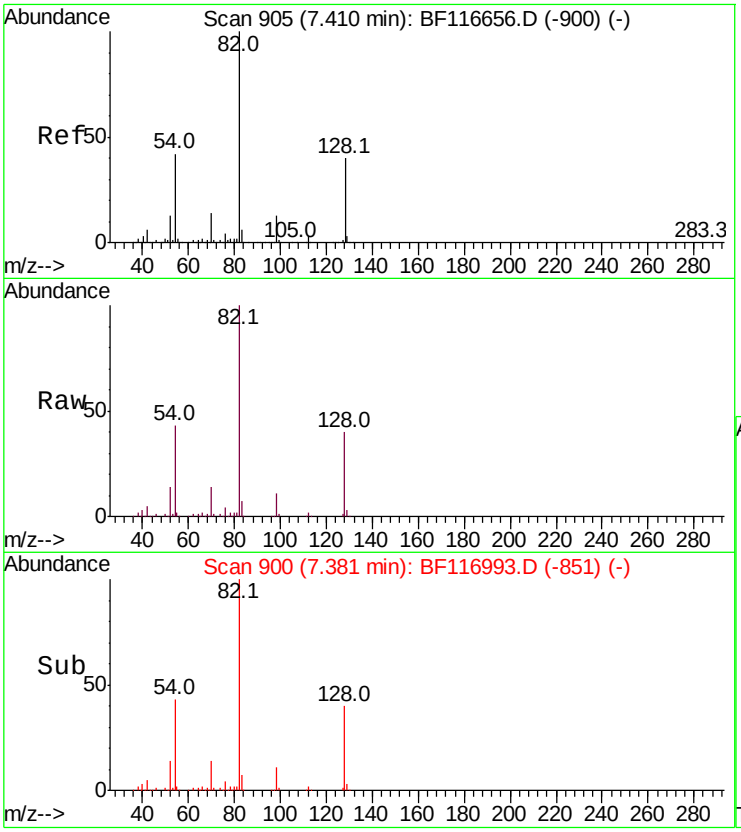


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:136 Resp: 253923

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	5.7	3.8	5.8
68	4.8	3.6	5.4



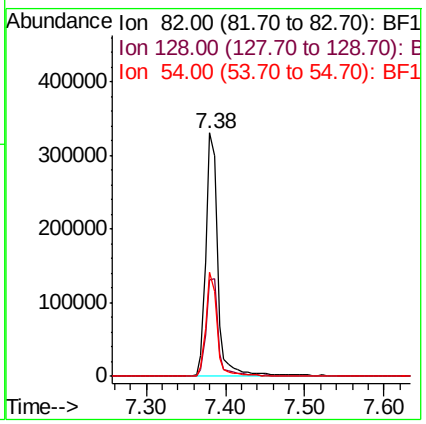


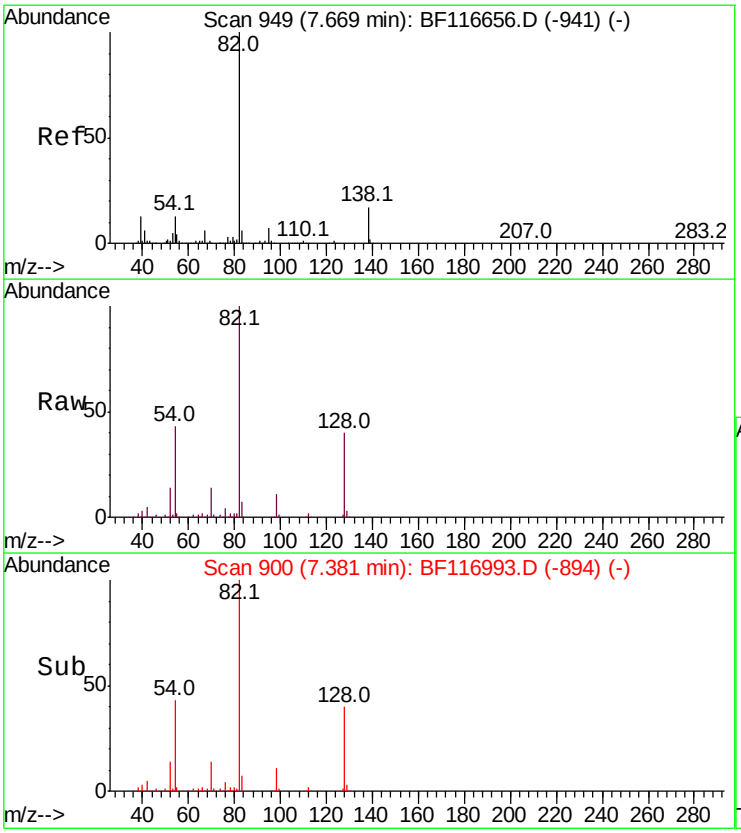
#23
Nitrobenzene-d5
Concen: 79.088 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 351782

Ion	Ratio	Lower	Upper
82	100		
128	39.6	35.0	52.4
54	42.7	32.6	48.8

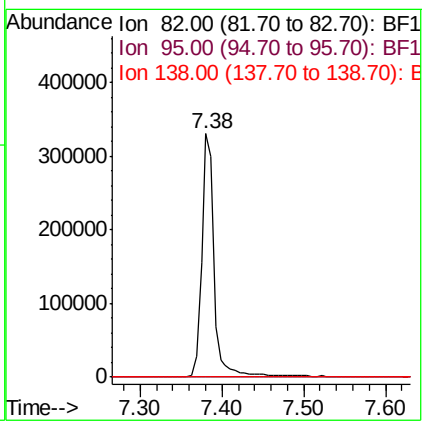


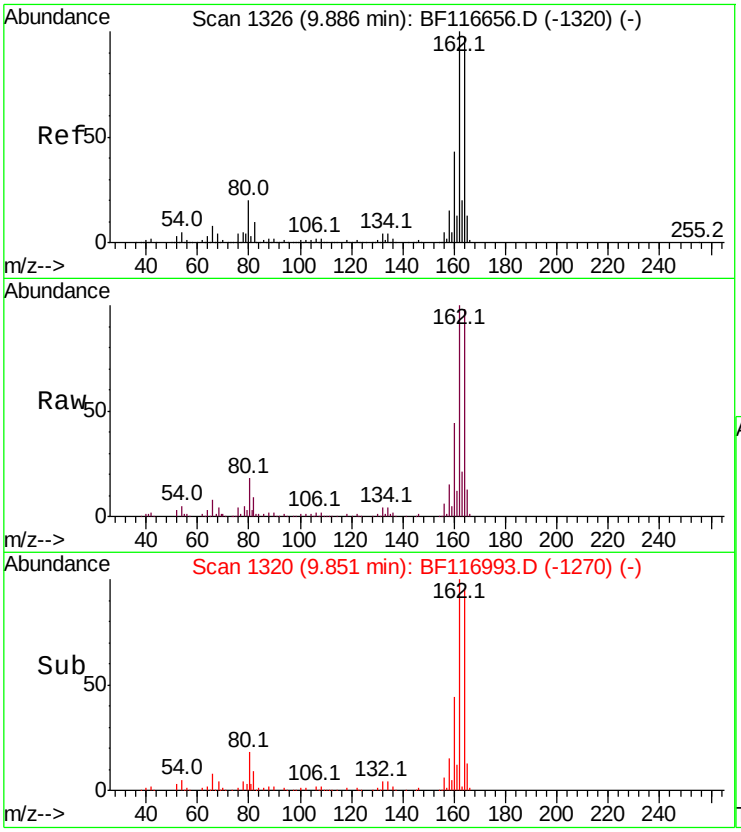


#25
Isophorone
Concen: 39.030 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.26 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion: 82 Resp: 351780

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.0	9.0#
138	0.0	13.4	20.2#



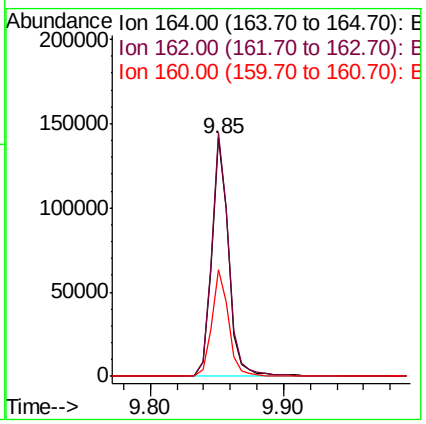


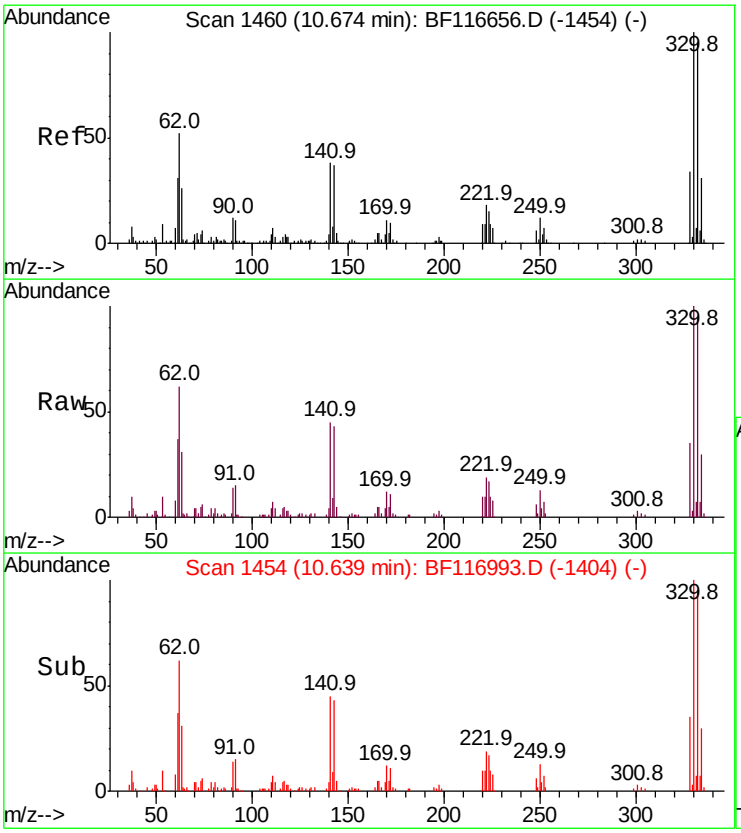
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 125594

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.6
160	44.6	35.7	53.5

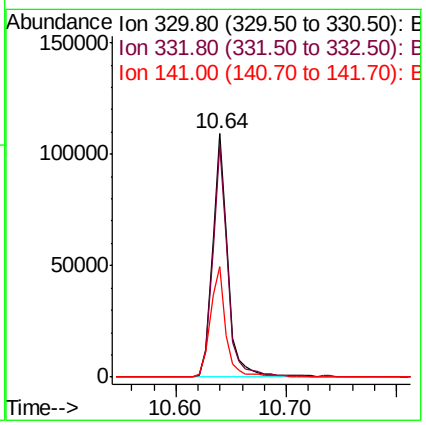


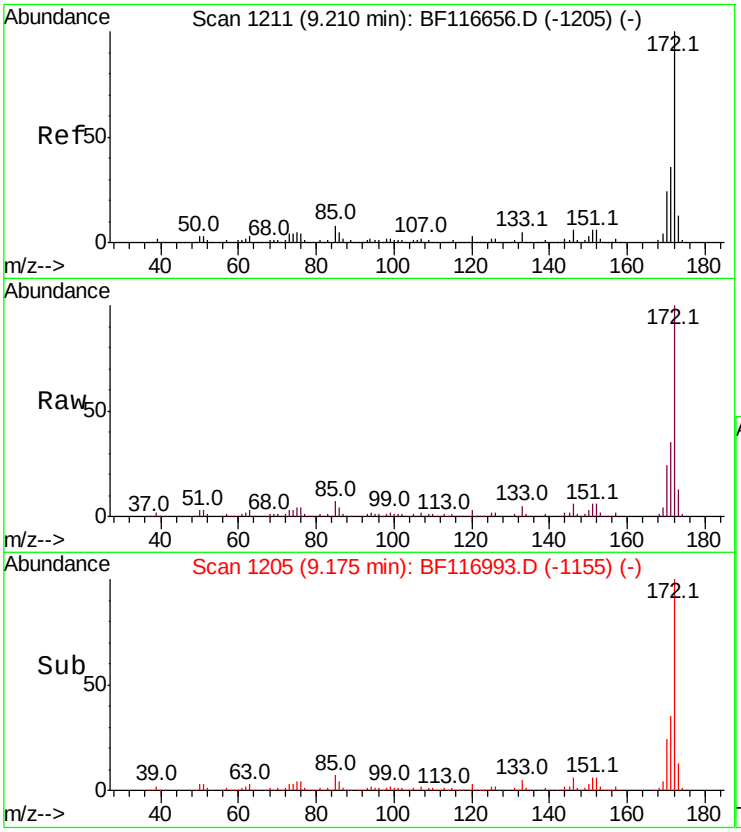


#42
2,4,6-Tribromophenol
Concen: 122.579 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:330 Resp: 102920

Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.9	113.9
141	46.0	35.6	53.4



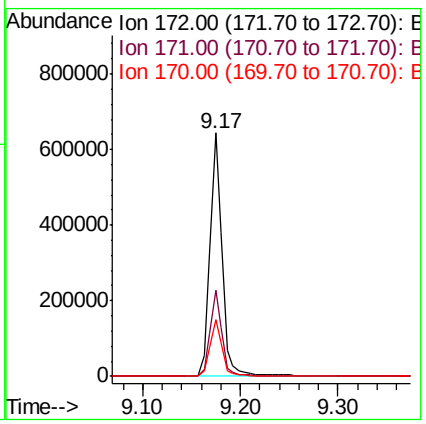


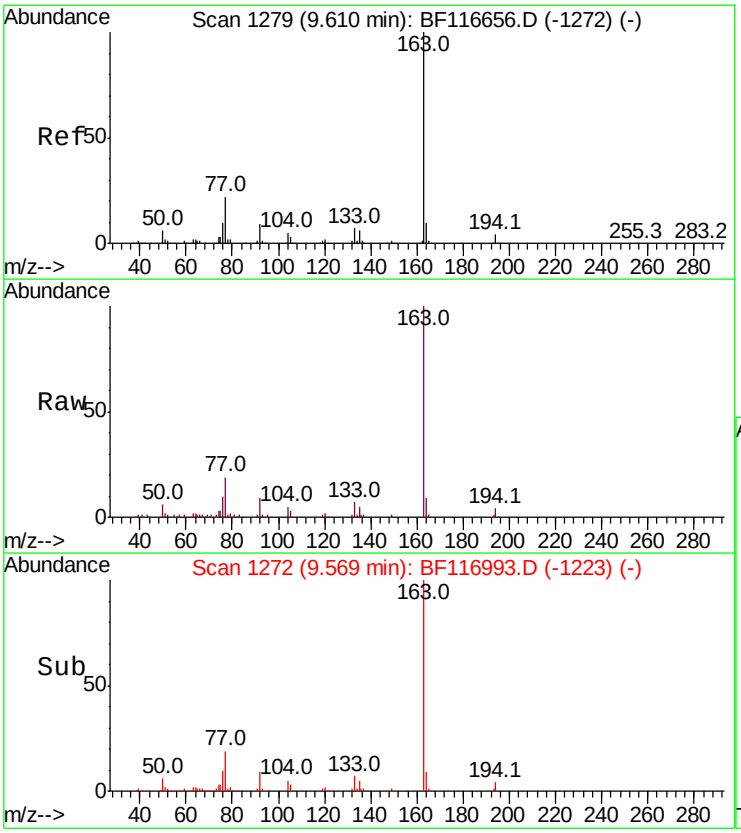
#45
2-Fluorobiphenyl
Concen: 75.063 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 558866

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.1	43.7
170	23.5	19.2	28.8

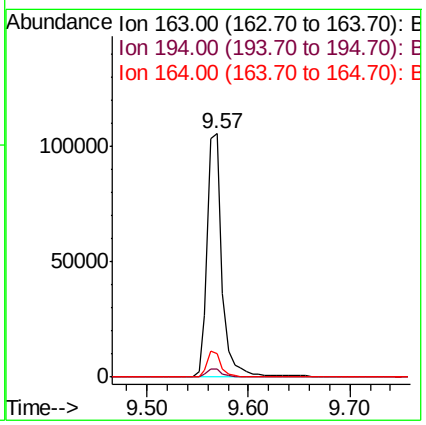


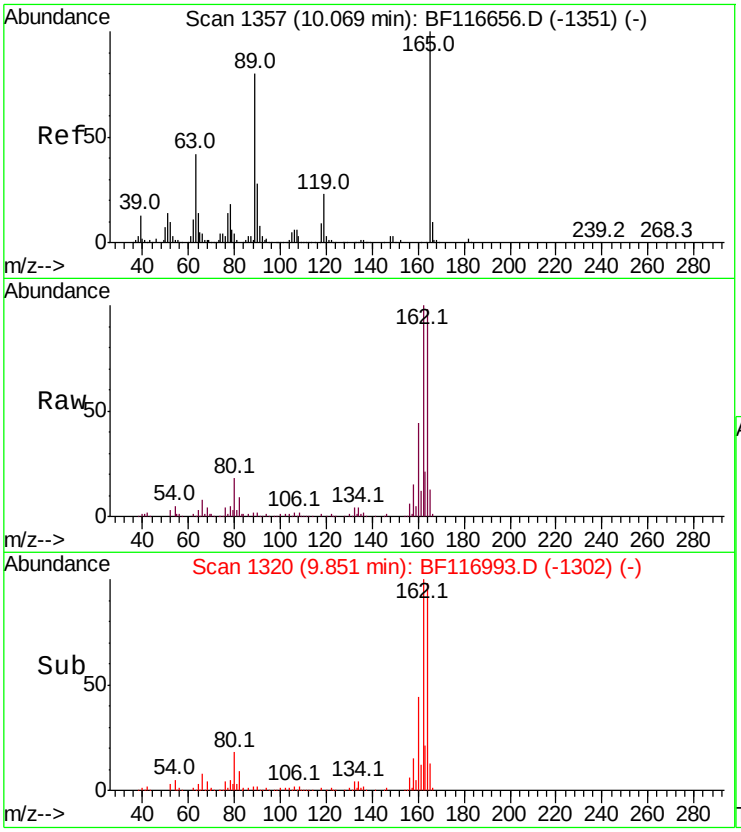


#50
Dimethylphthalate
Concen: 12.517 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:163 Resp: 108531

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.4	8.2	12.4



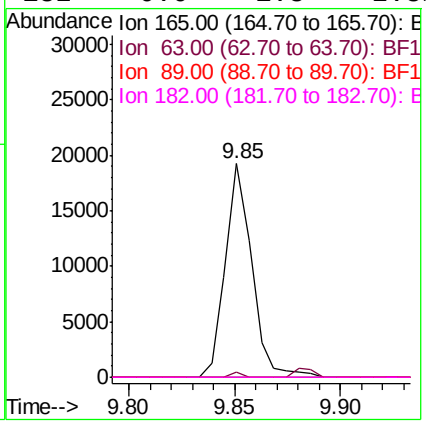


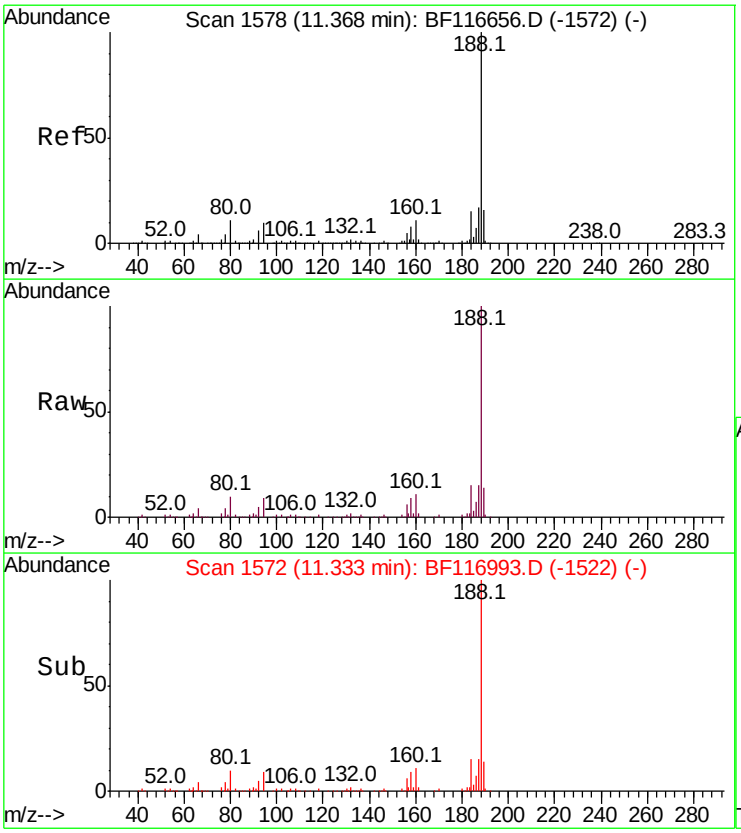
#57
2,4-Dinitrotoluene
Concen: 8.244 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 16677

Ion	Ratio	Lower	Upper
165	100		
63	2.2	36.2	54.2#
89	0.0	66.1	99.1#
182	0.0	1.8	2.8#

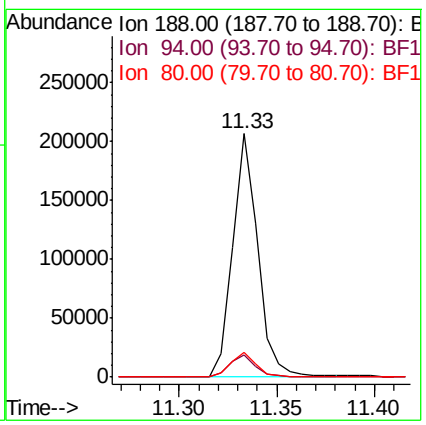


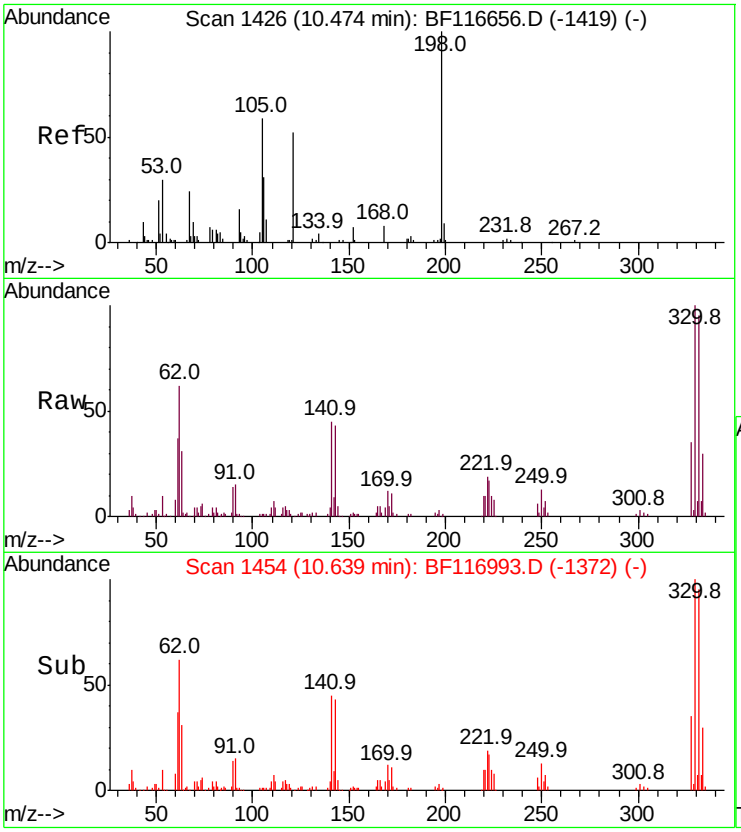


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:188 Resp: 184949

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.4	11.2
80	10.2	8.5	12.7



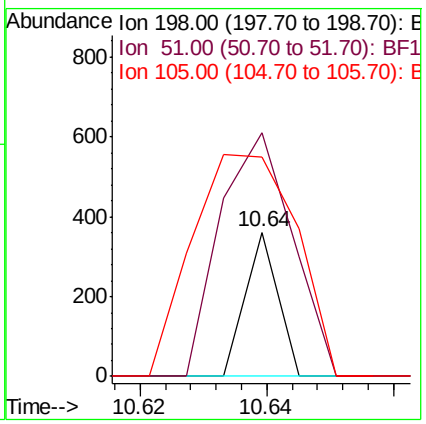


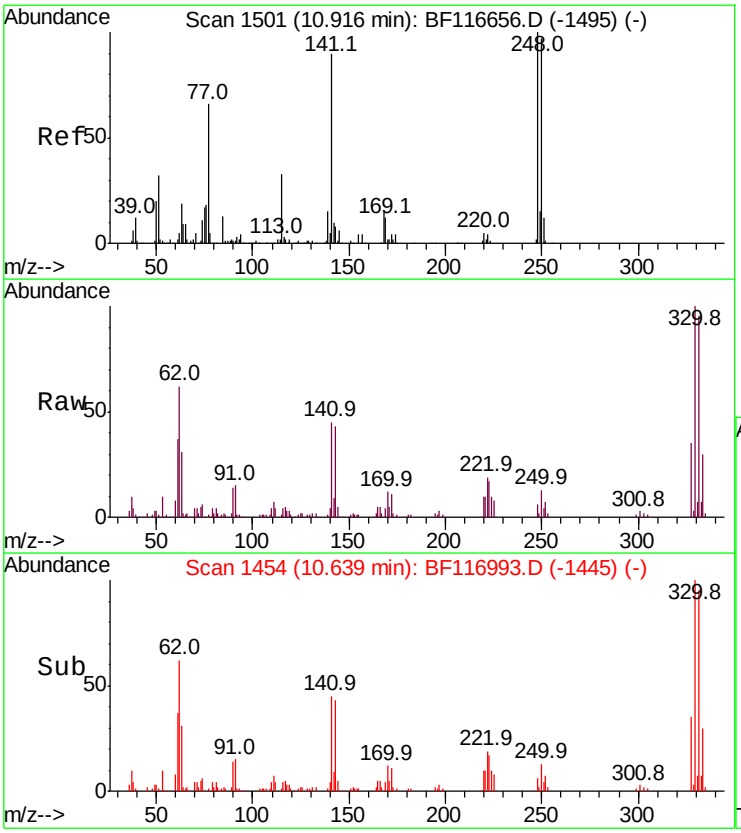
#65
4,6-Dinitro-2-methylphenol
Concen: 7.609 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 127

Ion	Ratio	Lower	Upper
198	100		
51	169.0	26.3	66.3#
105	152.4	40.0	80.0#

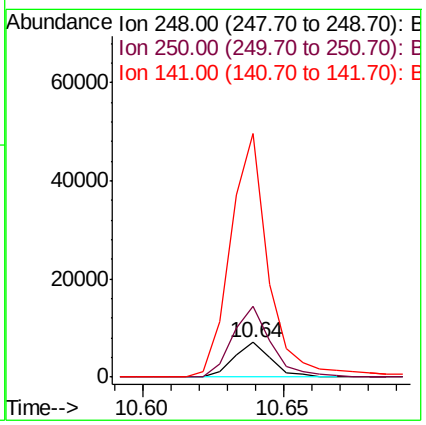


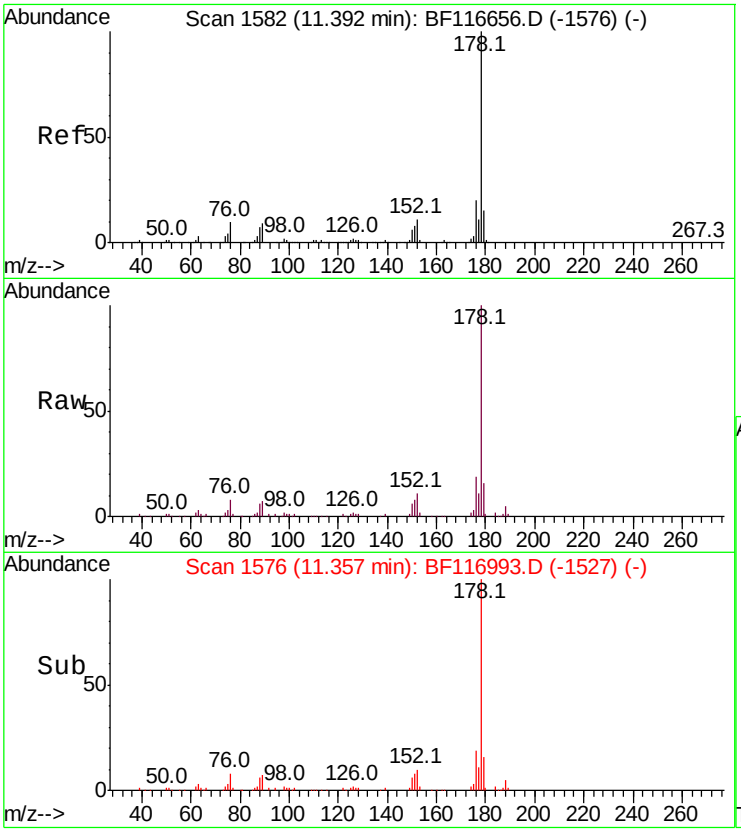


#67
4-Bromophenyl-phenylether
Concen: 3.419 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:248 Resp: 6423

Ion	Ratio	Lower	Upper
248	100		
250	205.9	77.0	115.4#
141	704.7	70.2	105.2#



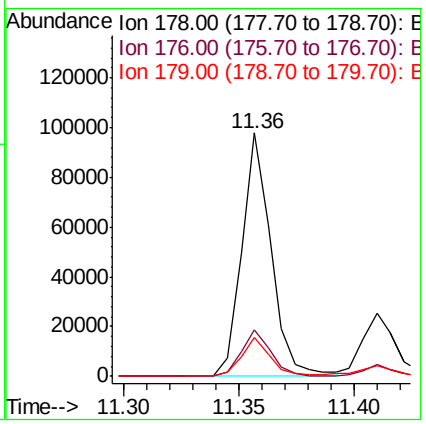


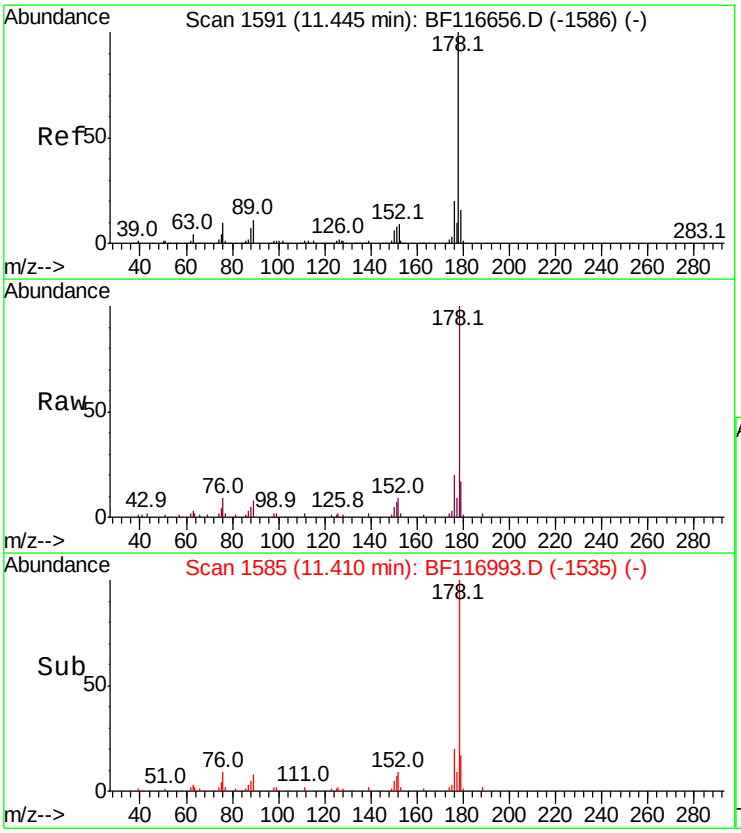
#71
Phenanthrene
Concen: 8.428 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 86775

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.7	12.0	18.0

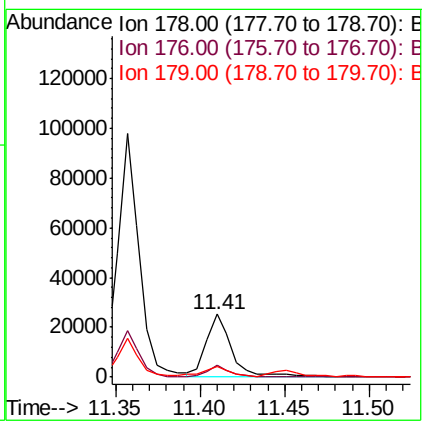


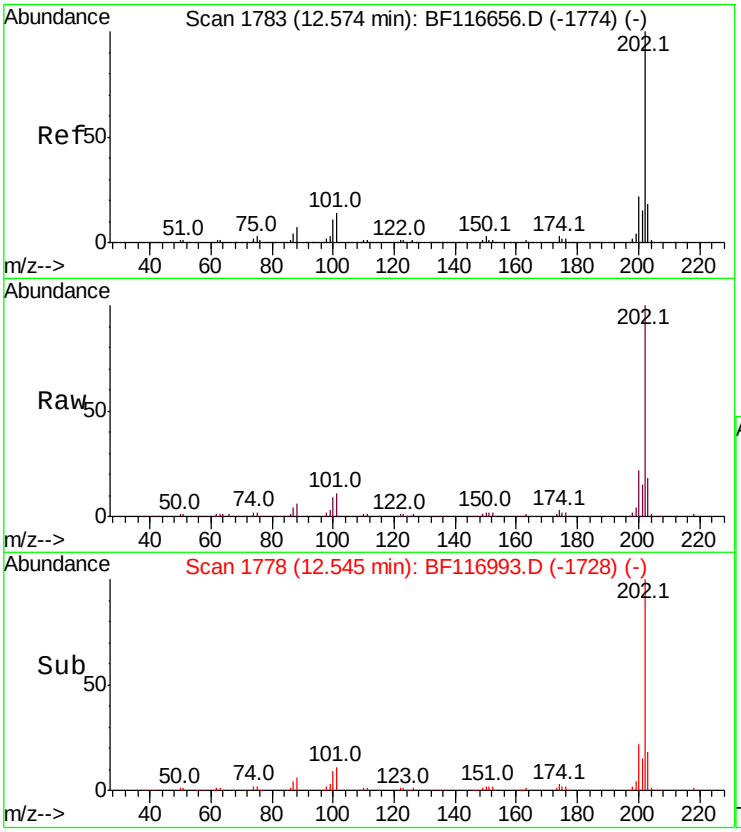


#72
Anthracene
Concen: 2.495 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:178 Resp: 25862

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.0	22.6
179	17.4	12.3	18.5



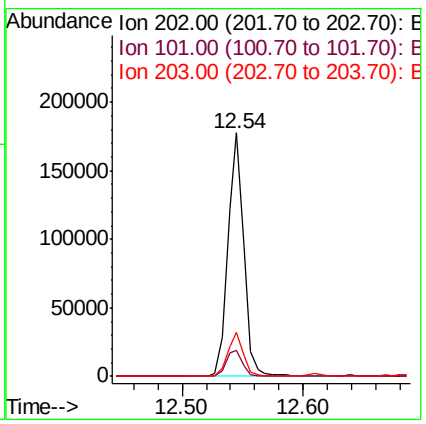


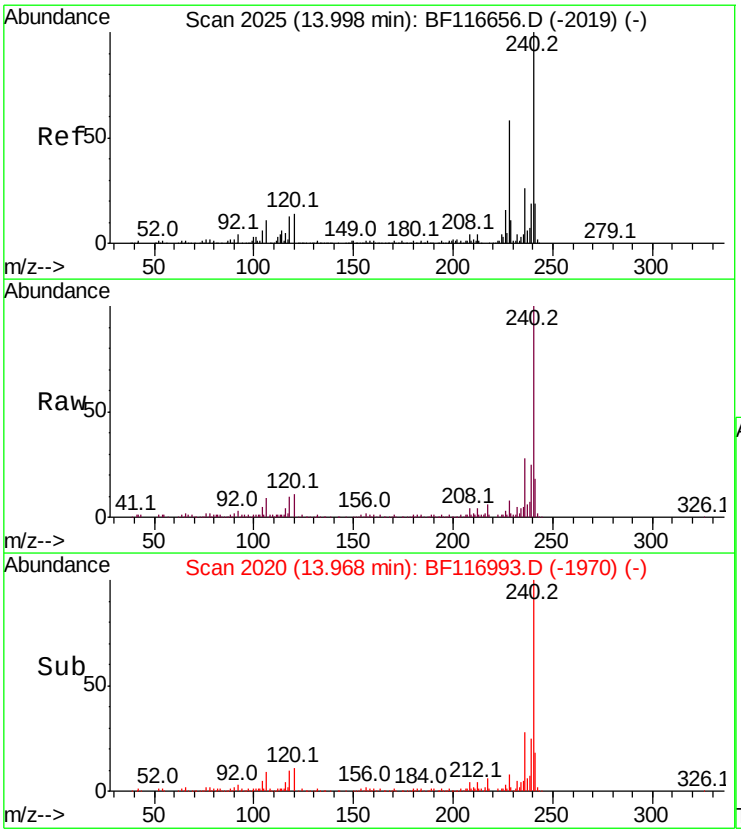
#75
Fluoranthene
Concen: 15.990 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 161789

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	32.0
203	17.9	0.0	37.5

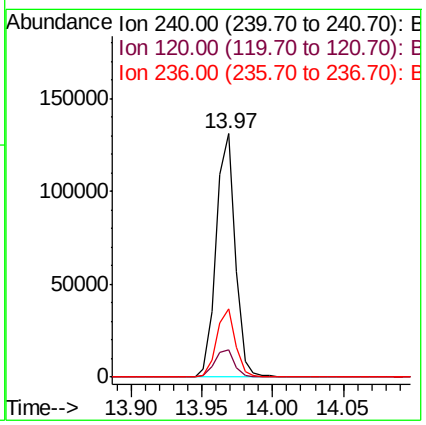


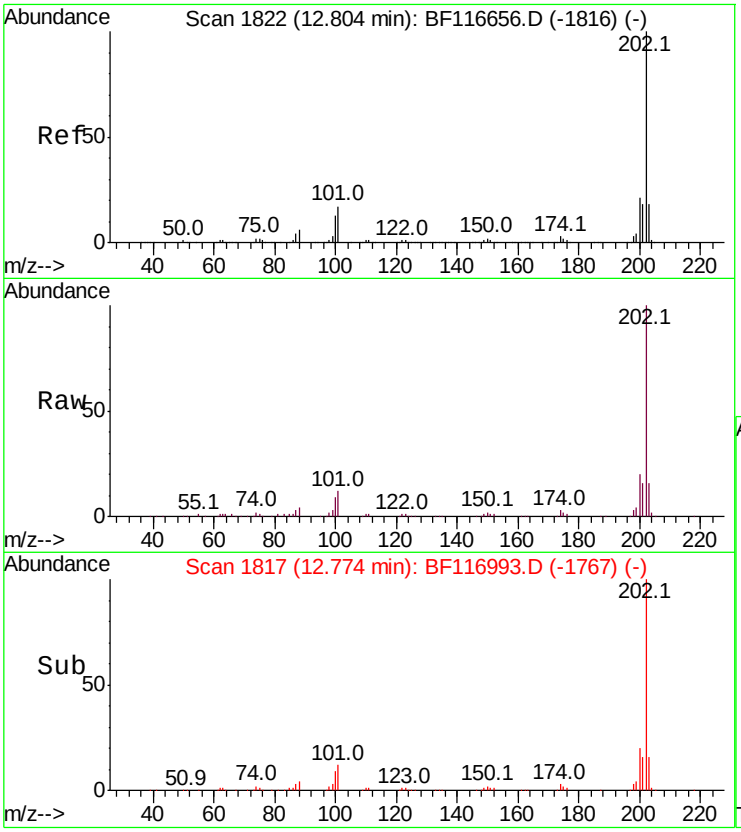


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:240 Resp: 124261

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.1	13.7
236	28.1	20.9	31.3



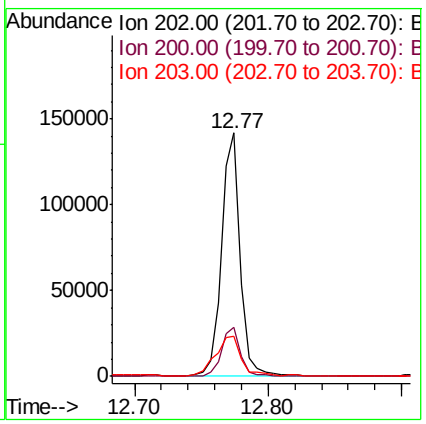


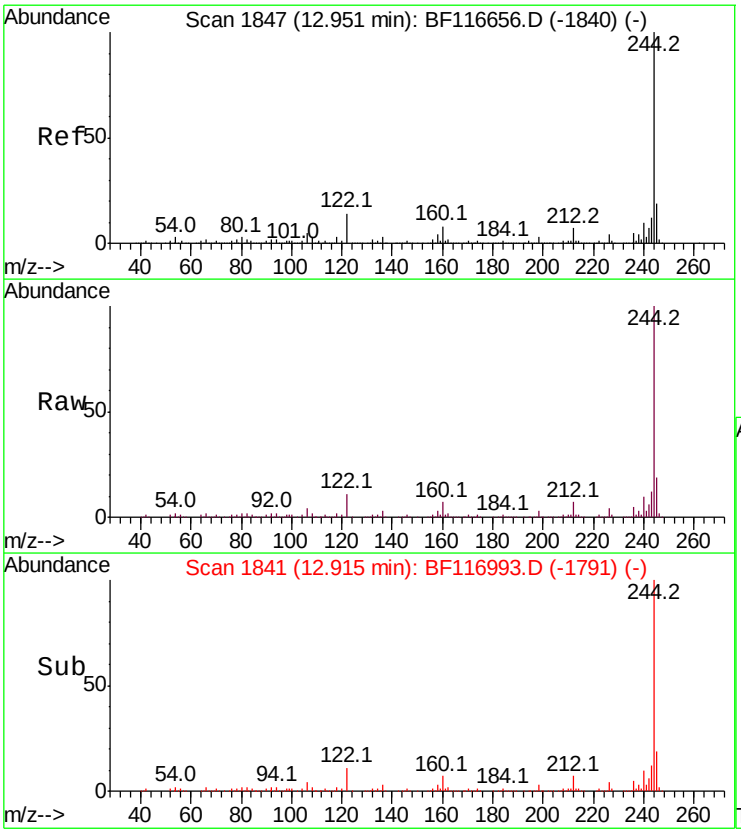
#78
Pyrene
Concen: 12.626 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 139461

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.2	25.8
203	16.4	14.2	21.2

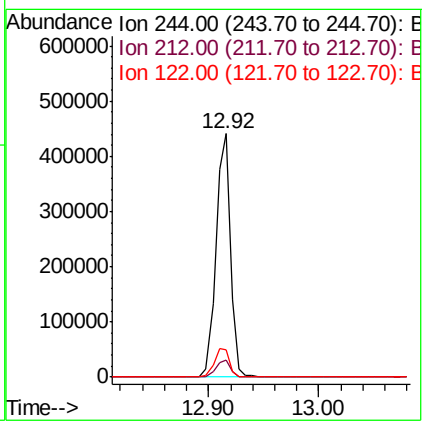


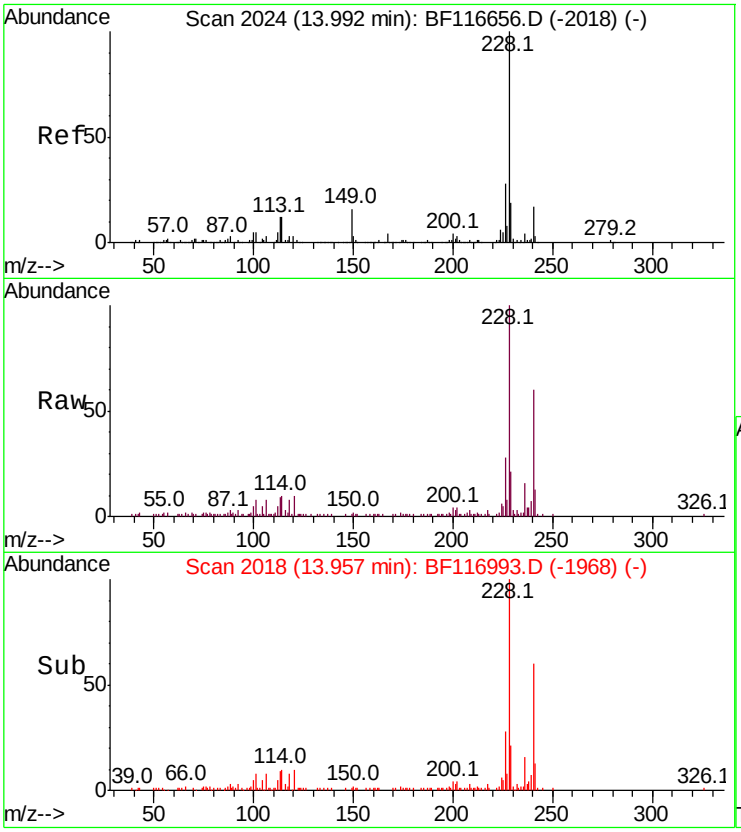


#79
Terphenyl-d14
Concen: 59.447 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:244 Resp: 399304

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.1	11.5	17.3#



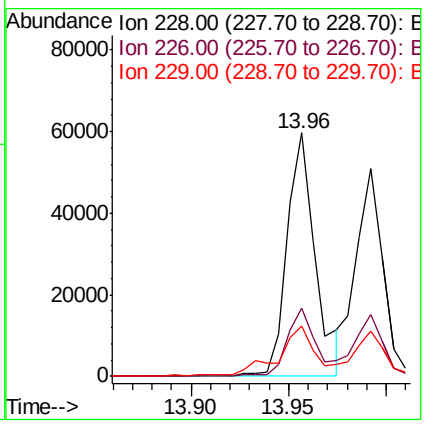


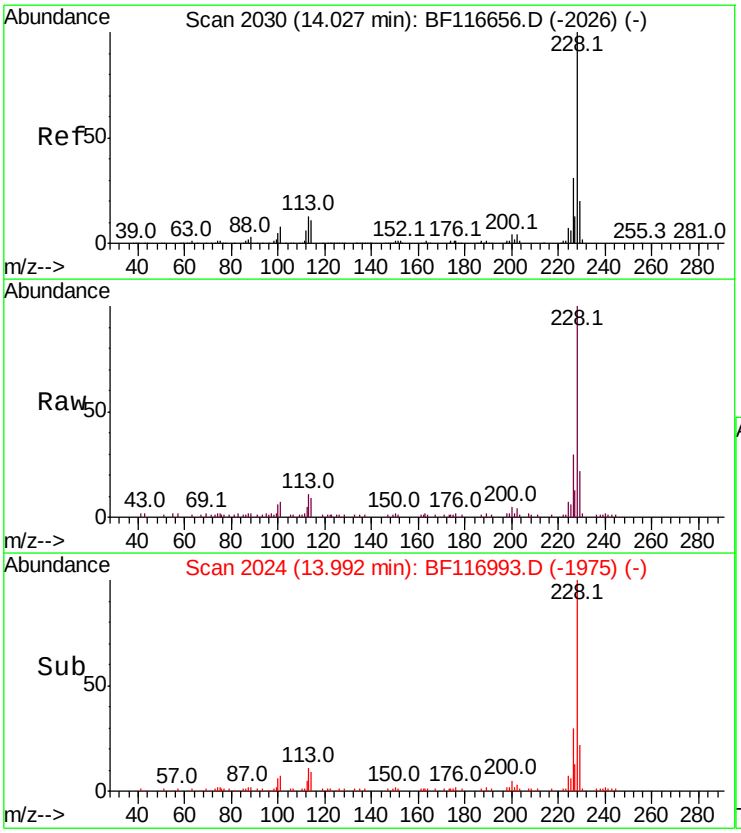
#81
Benzo(a)anthracene
Concen: 7.649 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 60158

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.3	33.5
229	20.7	15.8	23.8

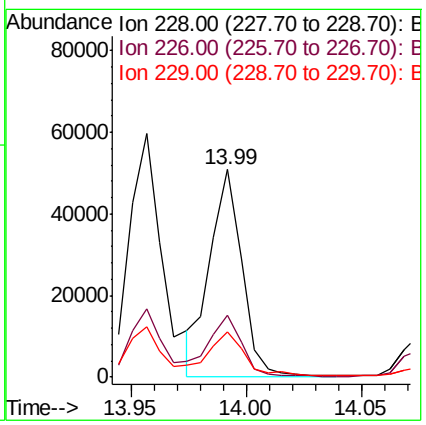


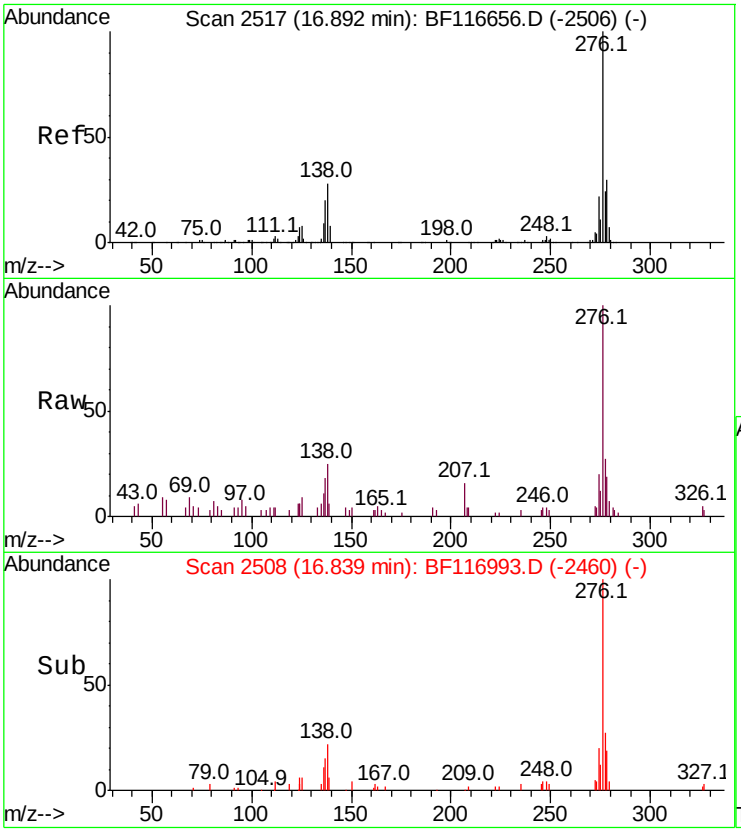


#83
Chrysene
Concen: 6.127 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:228 Resp: 49645

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.5	36.7
229	22.0	15.7	23.5



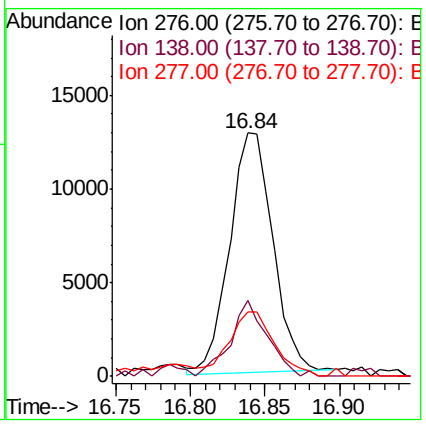


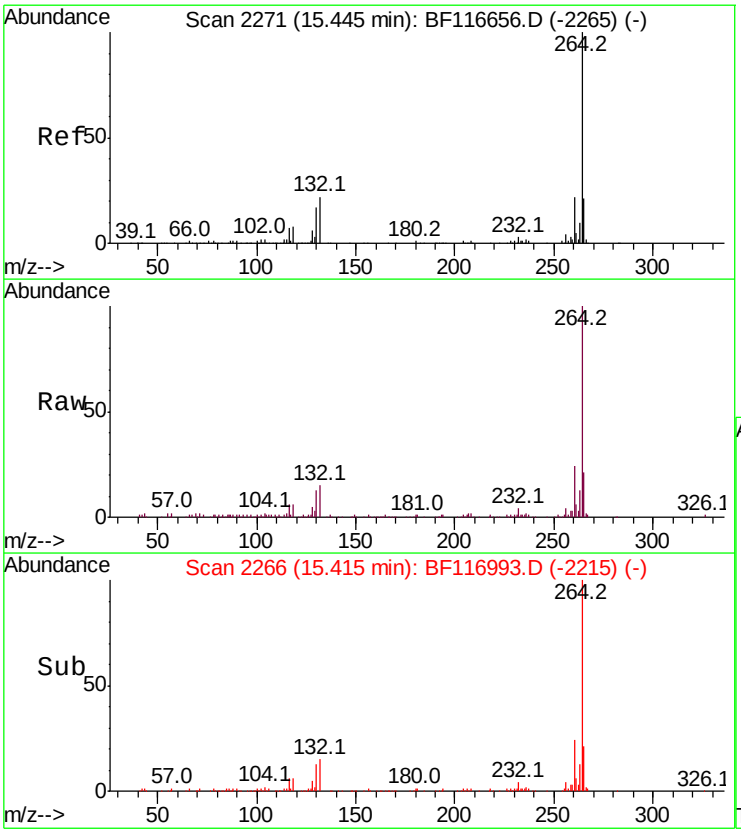
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.965 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.02 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 25804

Ion	Ratio	Lower	Upper
276	100		
138	27.2	20.6	31.0
277	28.6	19.9	29.9

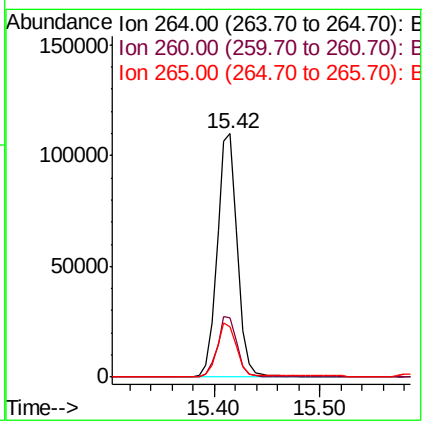


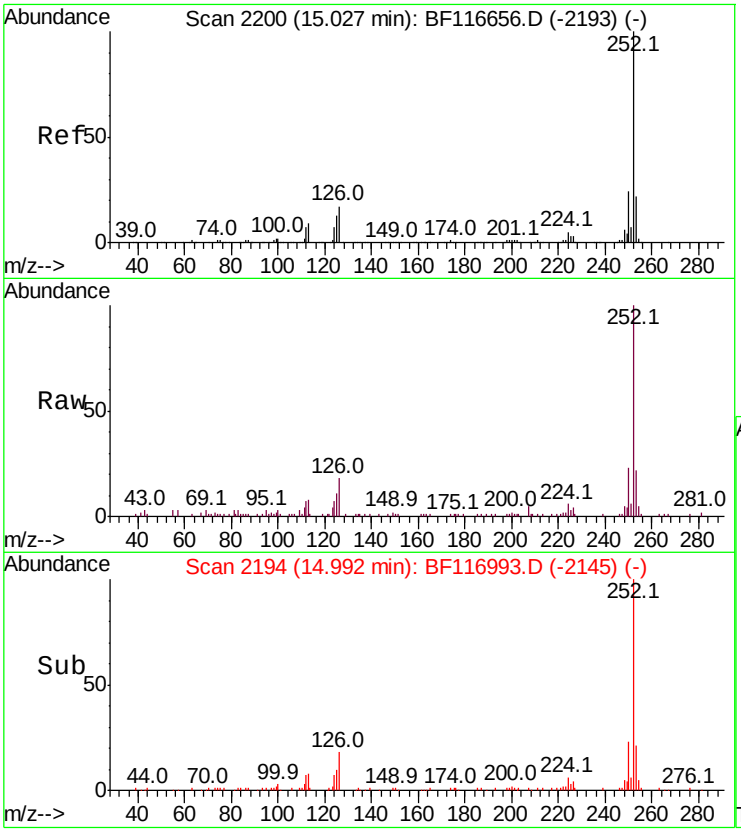


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:264 Resp: 146219

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	20.9	17.9	26.9



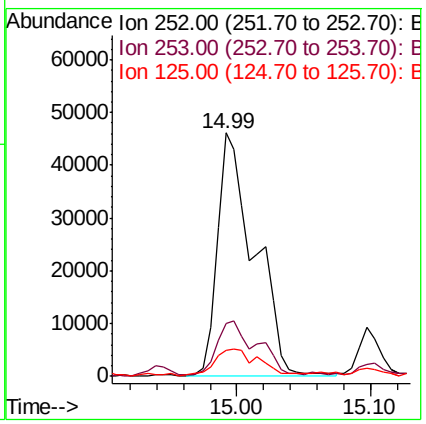


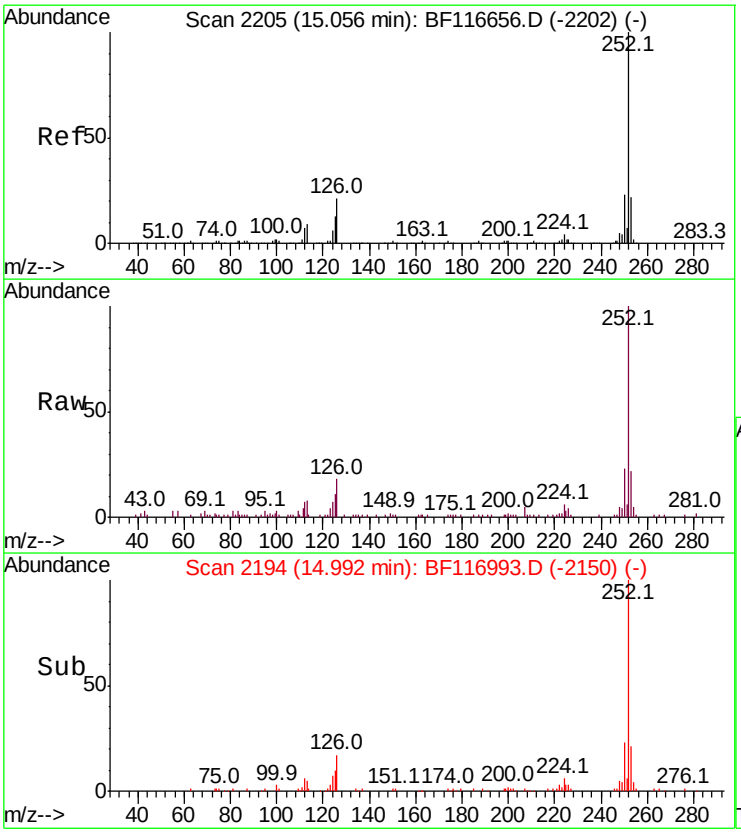
#88
Benzo(b)fluoranthene
Concen: 10.129 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 89543

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.7	8.3	12.5

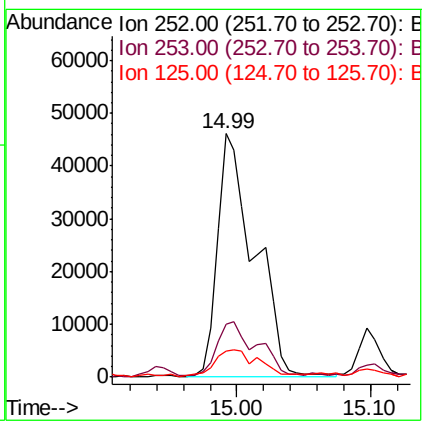


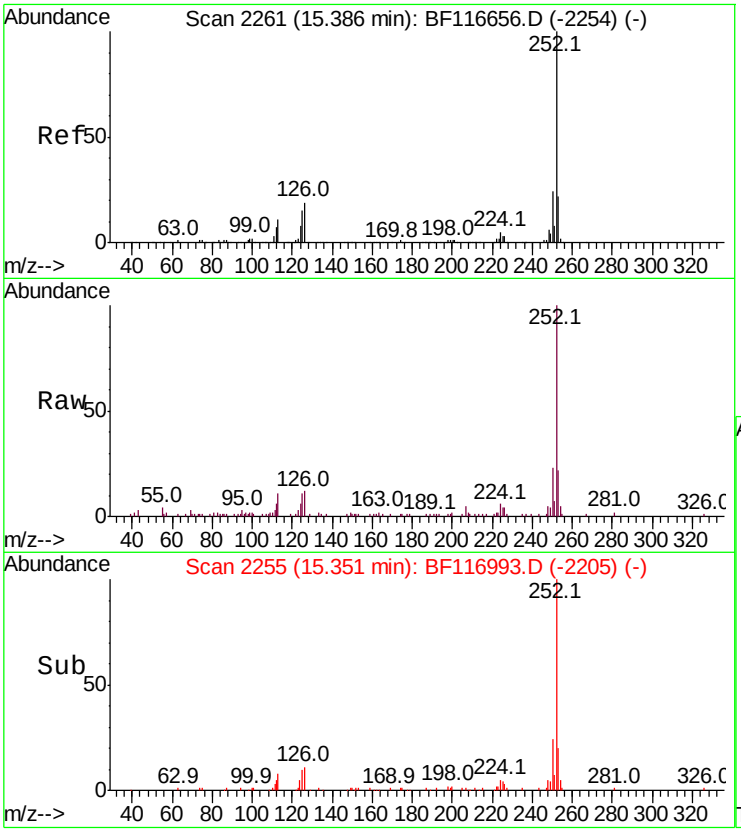


#89
Benzo(k)fluoranthene
Concen: 11.109 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:252 Resp: 89543

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	10.7	7.6	11.4



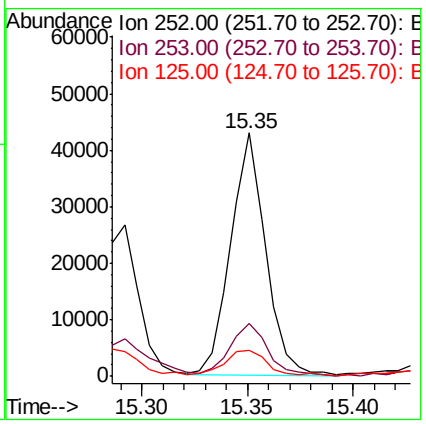


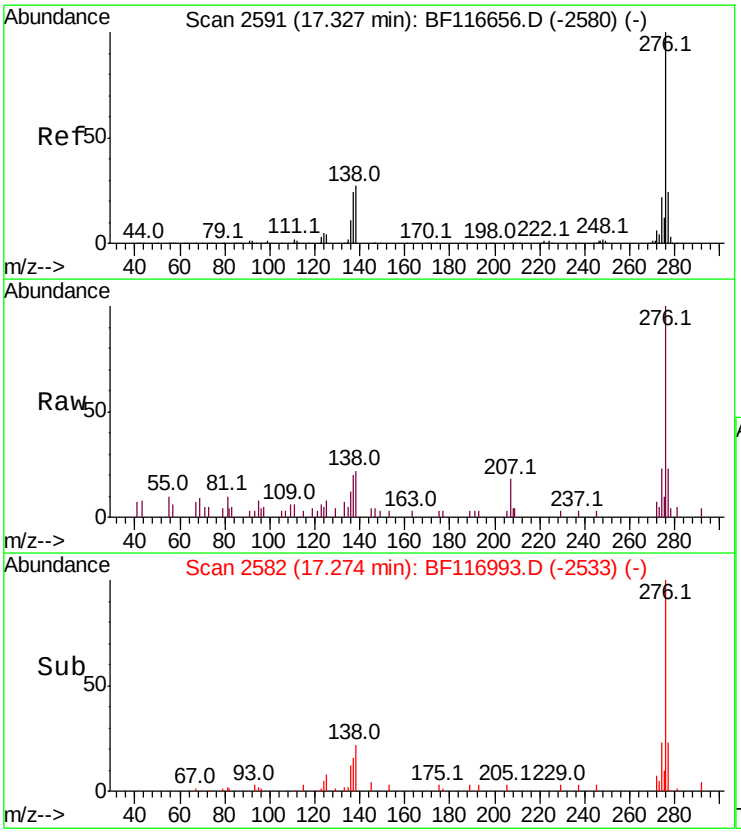
#90
Benzo(a)pyrene
Concen: 6.348 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 48825

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	10.7	10.2	15.2





#92
Benzo(g,h,i)perylene
Concen: 3.688 ng
RT: 17.27 min Scan# 2582
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:276 Resp: 25322

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.6
138	21.7	18.7	28.1