Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
Data File : BF117168.D
Acq On : 19 Sep 2019 1:47
Operator : HP/JU
Sample : K4918-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 19 05:18:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	29683	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	131882	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	69656	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	181590	20.00	ng	0.00
76) Chrysene-d12	13.96	240	131430	20.00	ng	-0.01
87) Perylene-d12	15.41	264	124756	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	15669	8.24	ng	0.02
7) Phenol-d6	6.46	99	21165	8.61	ng	0.00
23) Nitrobenzene-d5	7.40	82	12192	4.86	ng	0.01
42) 2,4,6-Tribromophenol	10.65	330	5906	10.14	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	29763	6.68	ng	0.00
79) Terphenyl-d14	12.91	244	45504	6.47	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.59	77	212	Below Cal	#	1
25) Isophorone	7.40	82	12192	2.743	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	9076	9.035	ng	# 24
56) 4-Nitrophenol	10.06	139	3996	4.865	ng	# 4
57) 2,4-Dinitrotoluene	9.85	165	9076	6.961	ng	# 18
71) Phenanthrene	11.36	178	366194	35.504	ng	99
72) Anthracene	11.36	178	366194	34.776	ng	99
73) Carbazole	11.57	167	36155	3.617	ng	99
75) Fluoranthene	12.54	202	398301	37.583	ng	96
78) Pyrene	12.77	202	337607	30.614	ng	99
81) Benzo(a)anthracene	13.96	228	138778	15.804	ng	99
83) Chrysene	13.99	228	147610	17.235	ng	97
86) Indeno(1,2,3-cd)pyrene	16.85	276	51746	8.282	ng	93
88) Benzo(b)fluoranthene	14.99	252	184339	24.393	ng	98
89) Benzo(k)fluoranthene	14.99	252	184339	25.751	ng	98
90) Benzo(a)pyrene	15.35	252	89278	13.463	ng	98
91) Dibenzo(a,h)anthracene	16.85	278	12836	2.430	ng	93
92) Benzo(g,h,i)perylene	17.28	276	46549	8.843	ng	97

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

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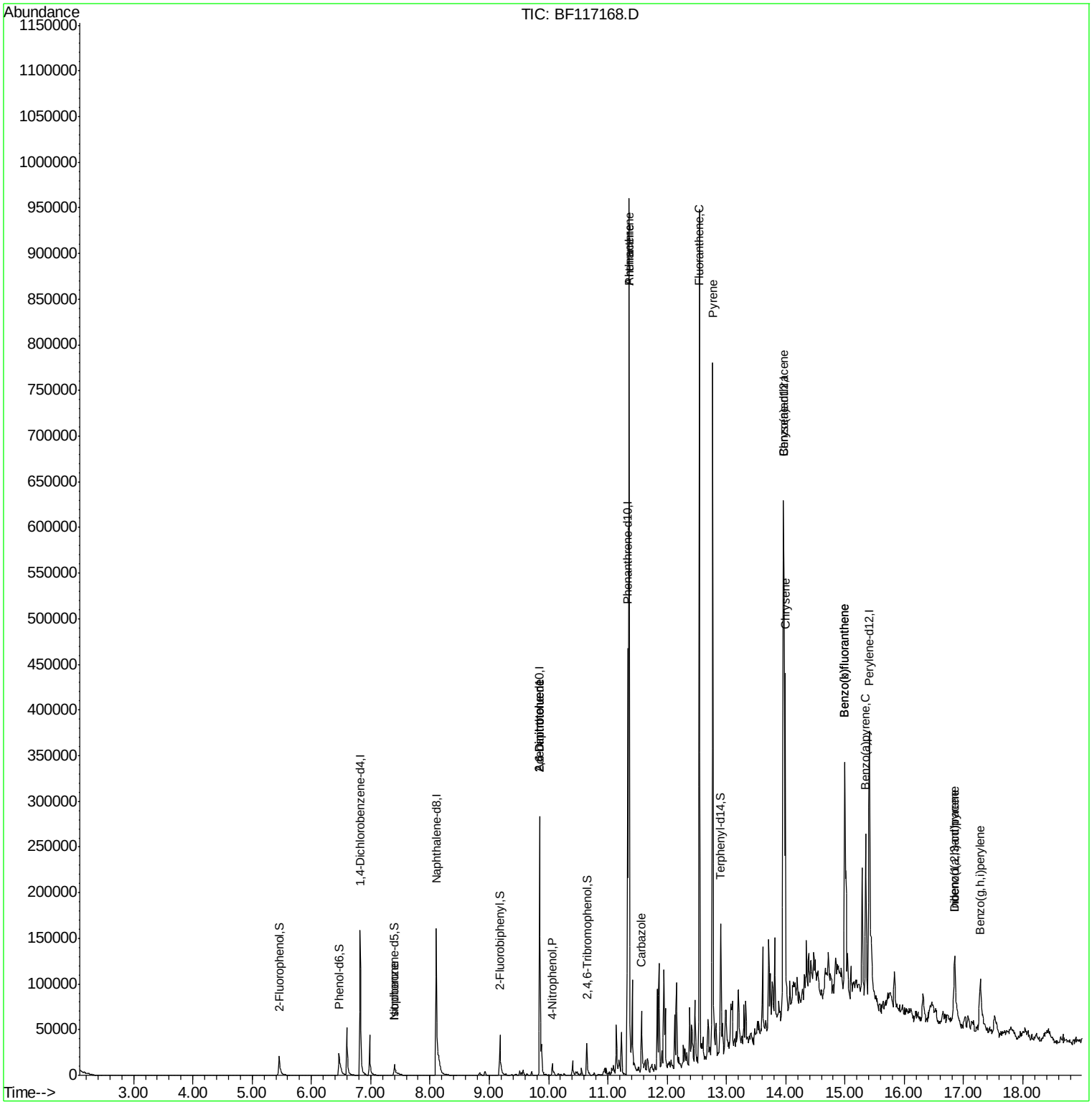
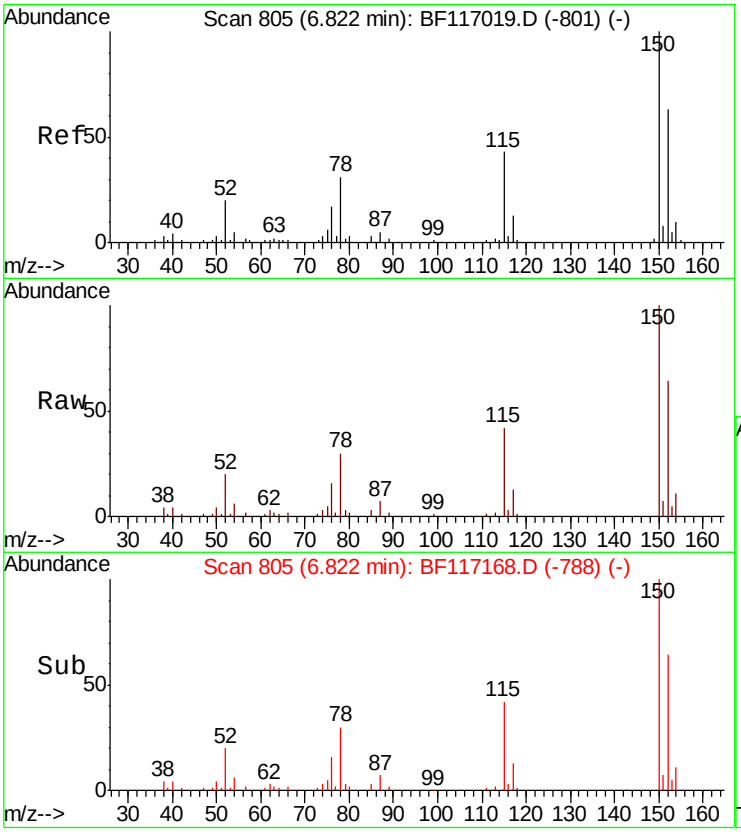


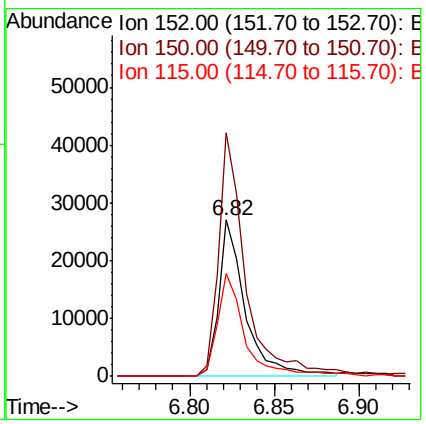


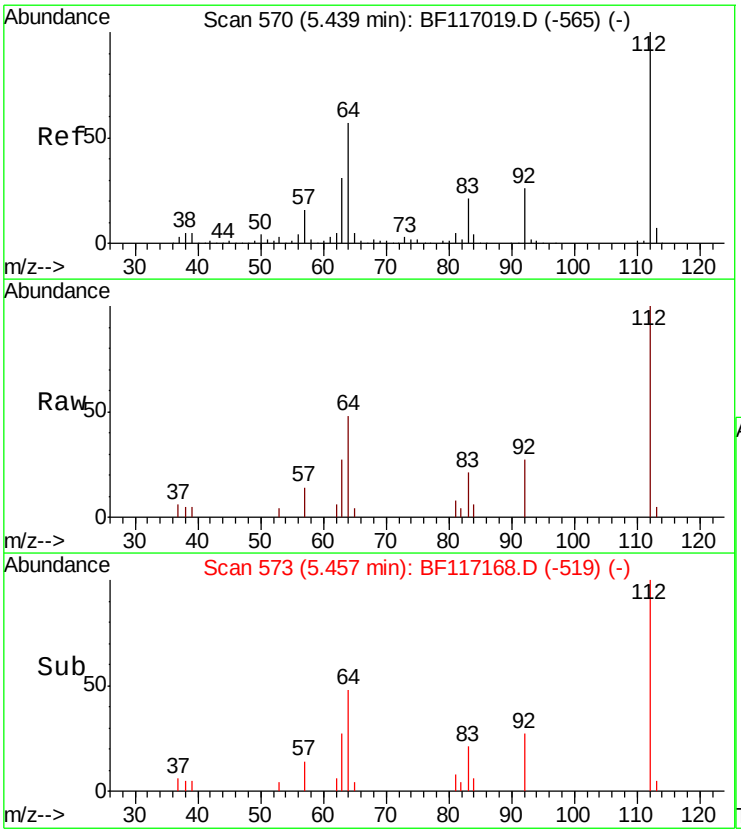
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 29683

Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.5	191.3
115	65.5	55.0	82.4

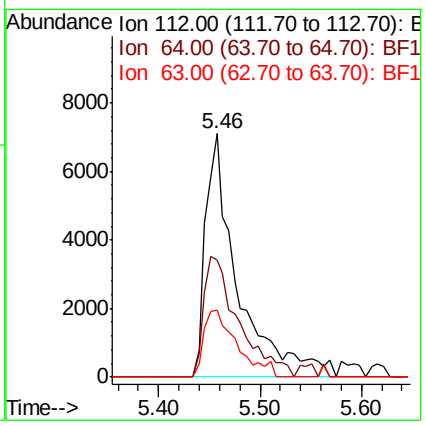


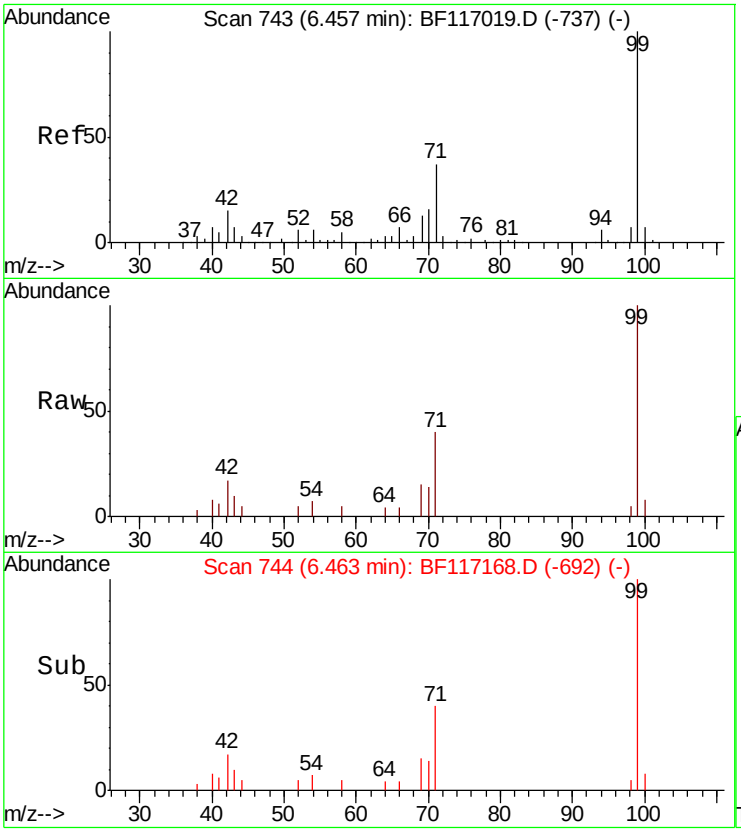


#5
2-Fluorophenol
Concen: 8.241 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:112 Resp: 15669

Ion	Ratio	Lower	Upper
112	100		
64	48.1	45.7	68.5
63	27.4	24.9	37.3



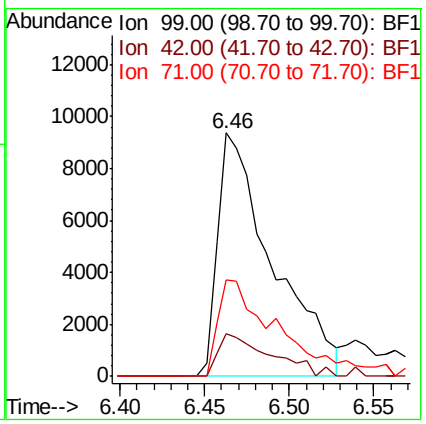


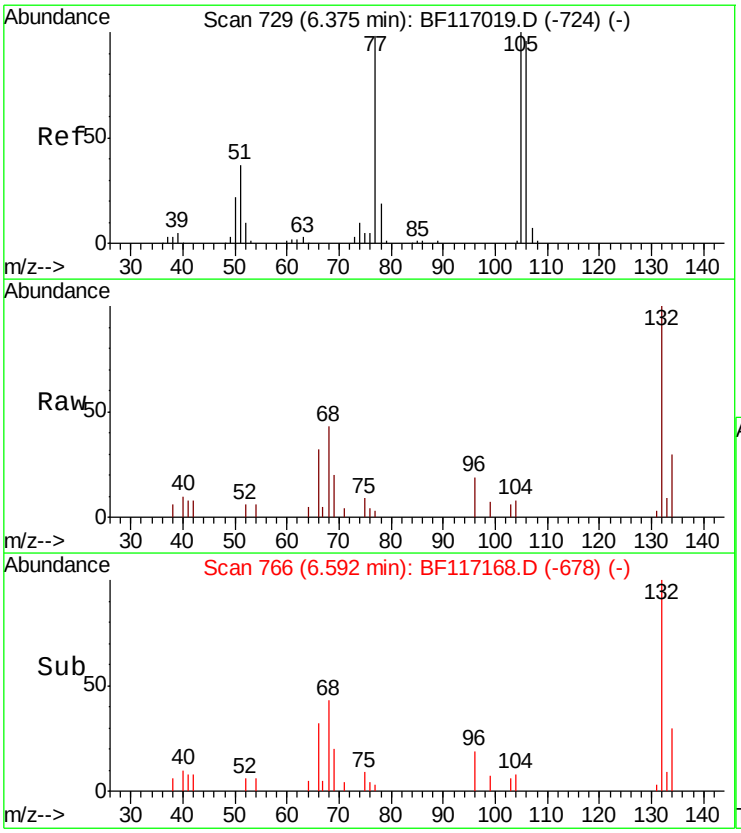
#7
Phenol-d6
Concen: 8.614 ng
RT: 6.46 min Scan# 744
Delta R.T. 0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 21165

Ion	Ratio	Lower	Upper
99	100		
42	17.5	12.2	18.2
71	39.8	29.8	44.8

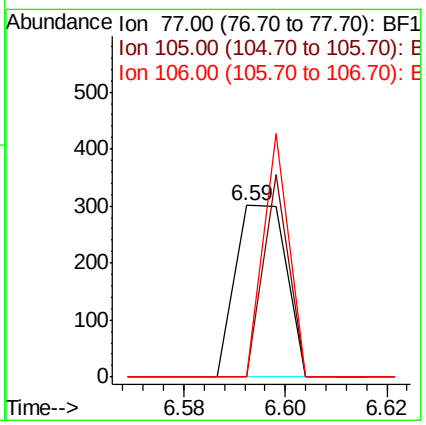


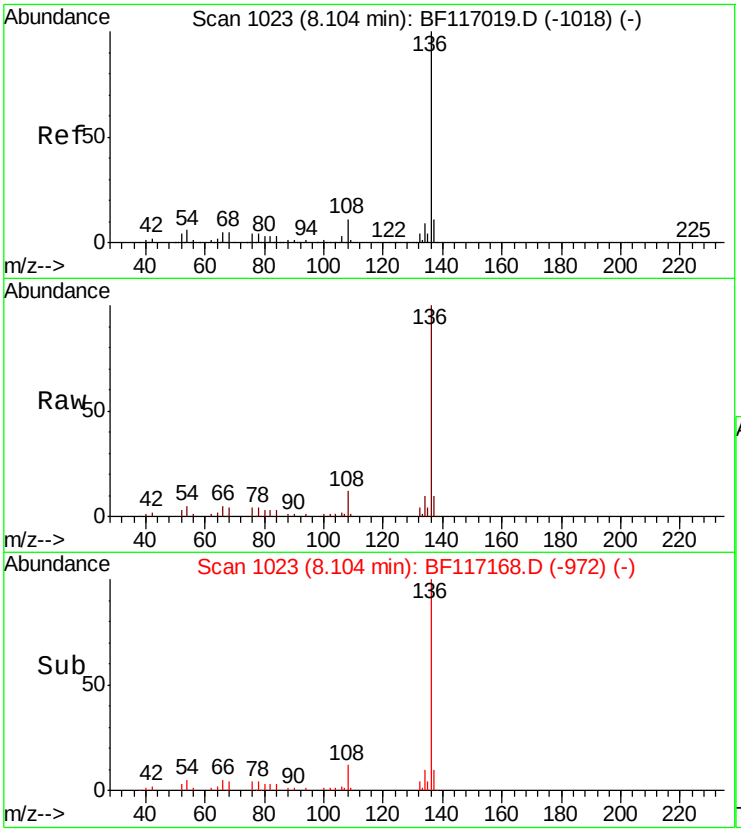


#9
Benzaldehyde
Concen: Below Cal
RT: 6.59 min Scan# 766
Delta R.T. 0.22 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion: 77 Resp: 212

Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.8	121.8#
106	0.0	77.3	117.3#



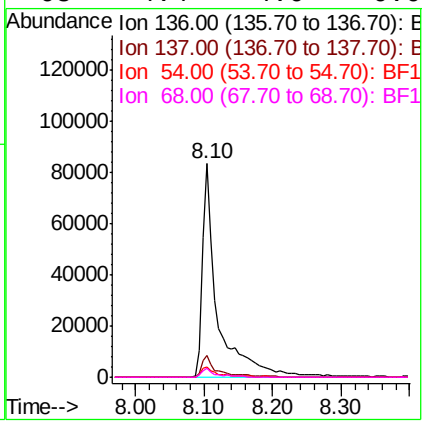


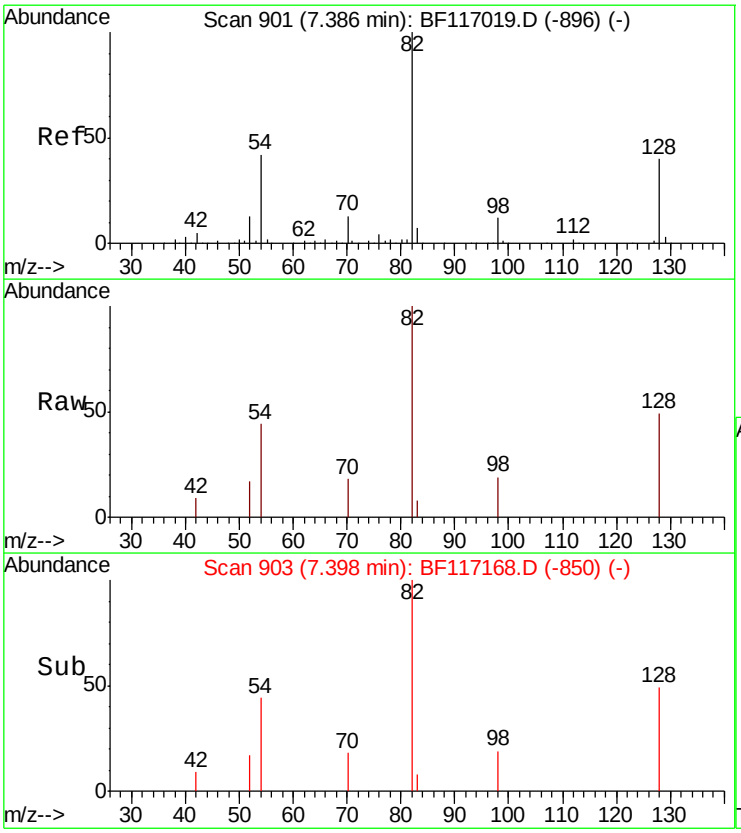
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 131882

Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.0	13.4
54	4.8	4.5	6.7
68	4.4	4.0	6.0

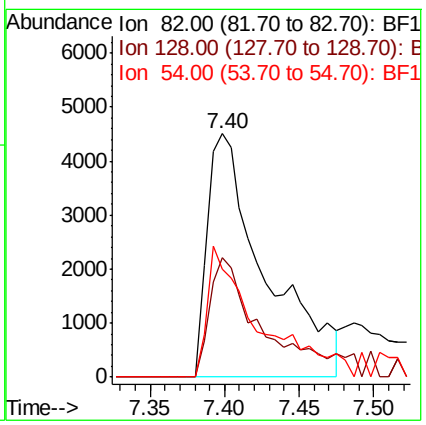


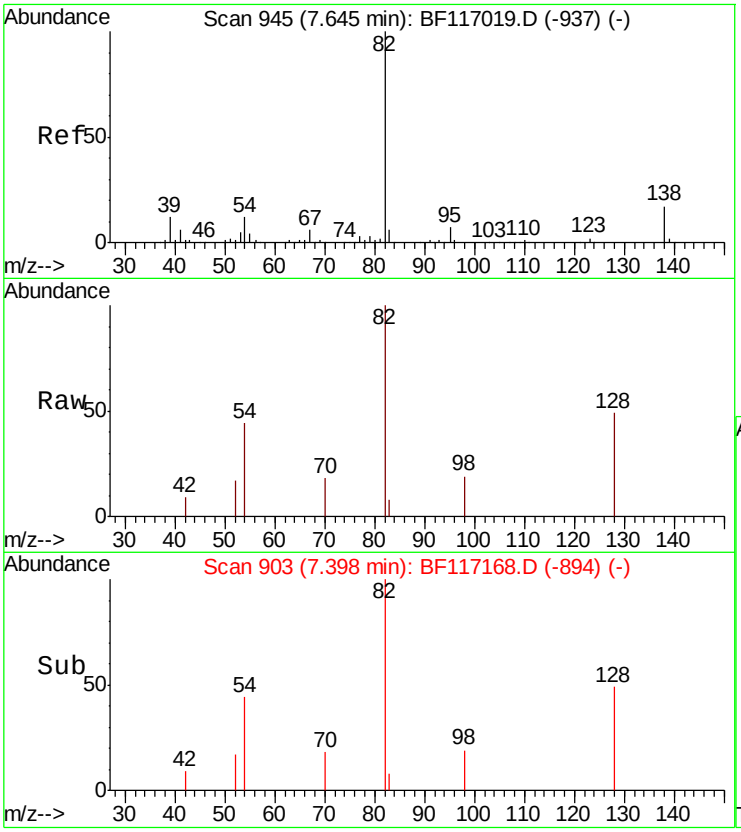


#23
Nitrobenzene-d5
Concen: 4.857 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion: 82 Resp: 12192

Ion	Ratio	Lower	Upper
82	100		
128	49.3	32.3	48.5#
54	44.4	33.3	49.9



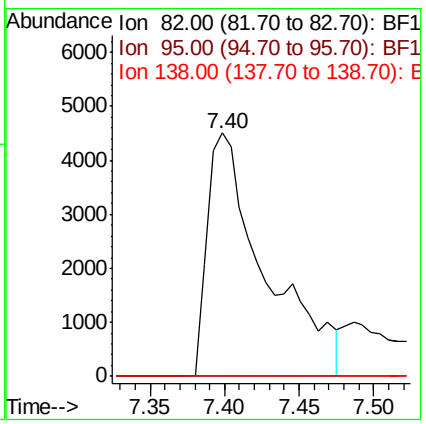


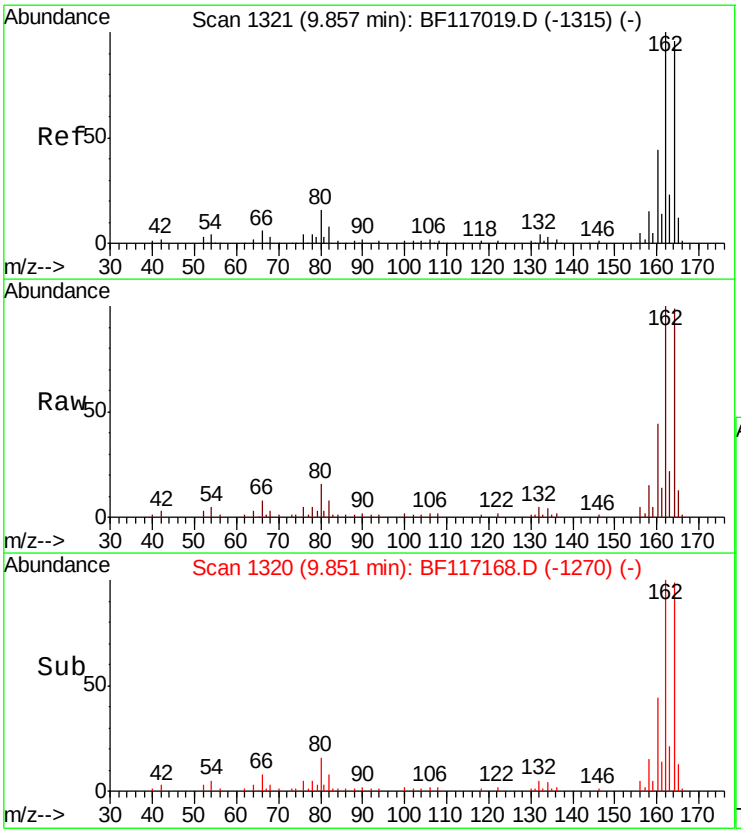
#25
Isophorone
Concen: 2.743 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.25 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 12192

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

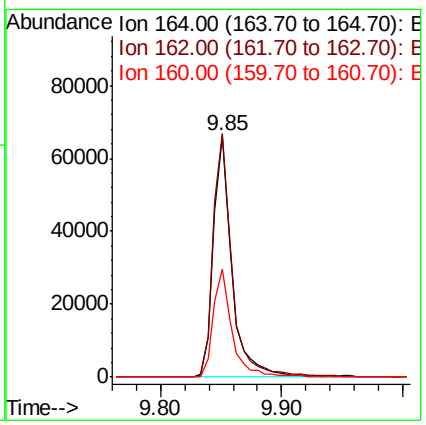


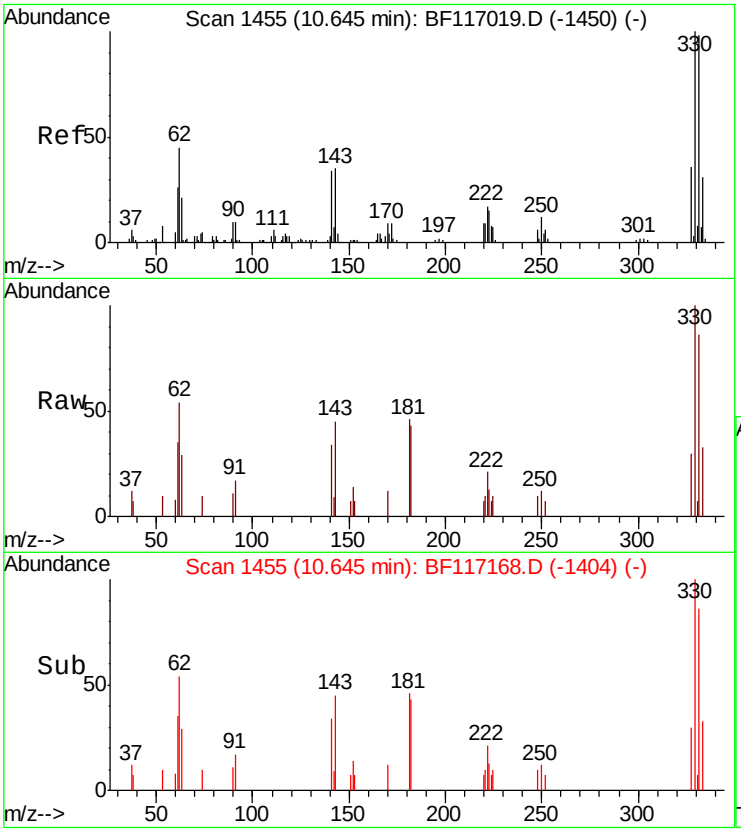


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:164 Resp: 69656

Ion	Ratio	Lower	Upper
164	100		
162	100.8	83.4	125.2
160	44.6	36.4	54.6



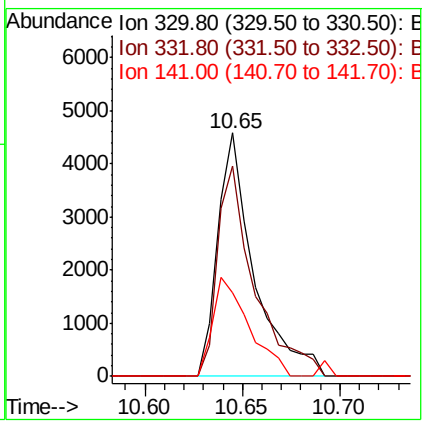


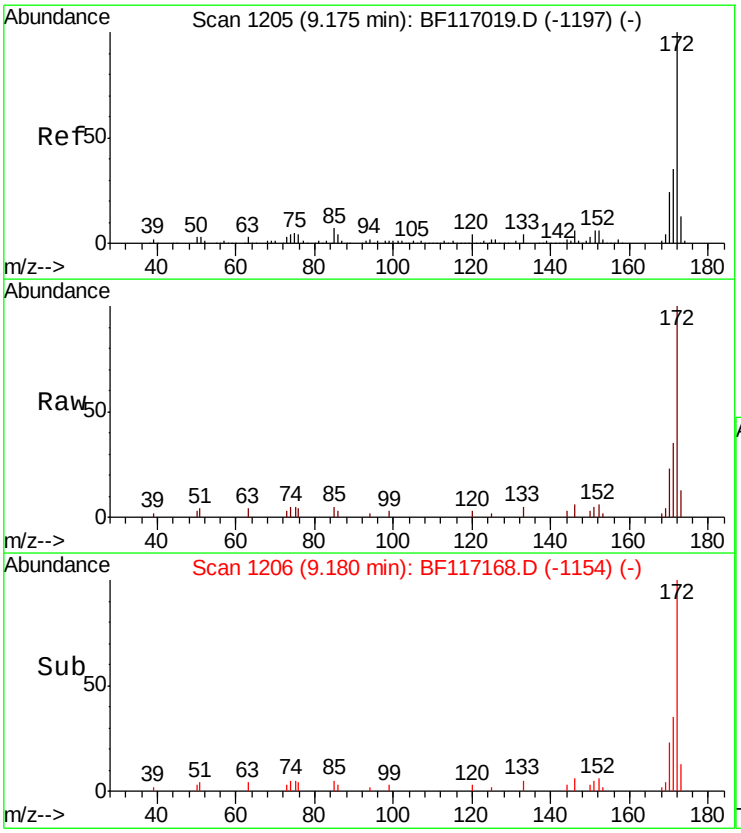
#42
2,4,6-Tribromophenol
Concen: 10.145 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 5906

Ion	Ratio	Lower	Upper
330	100		
332	87.9	78.0	117.0
141	40.7	35.8	53.6

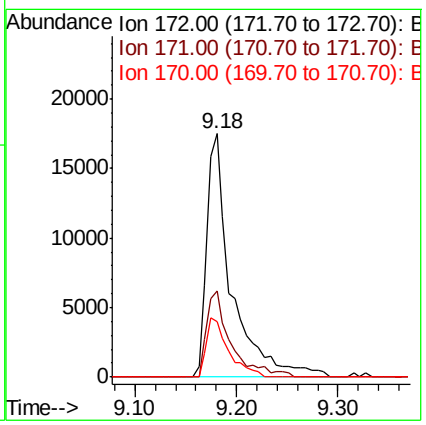


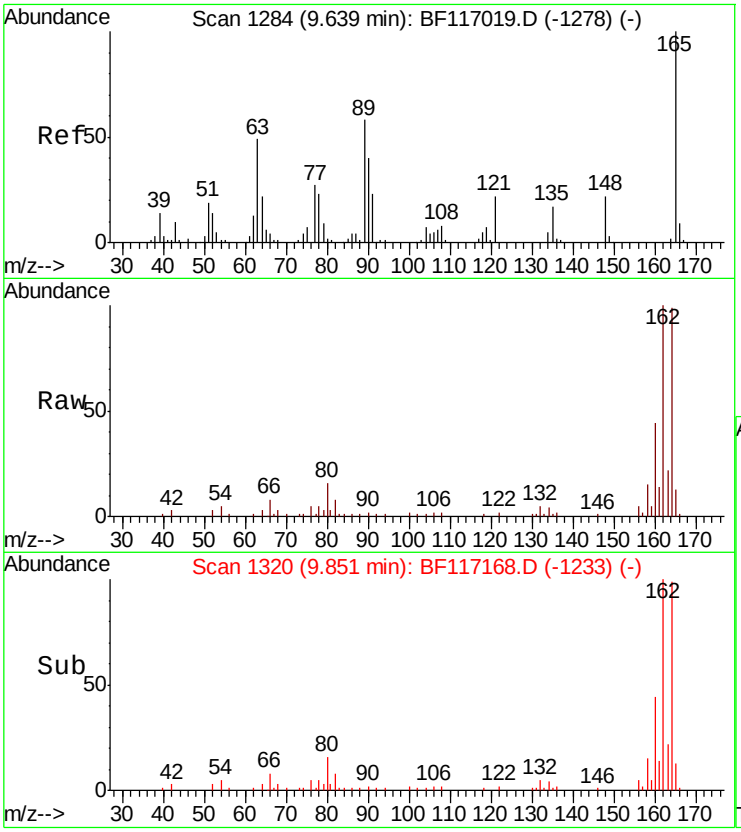


#45
2-Fluorobiphenyl
Concen: 6.681 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:172 Resp: 29763

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	22.6	18.9	28.3



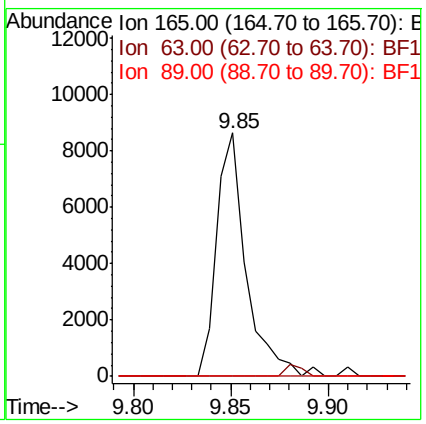


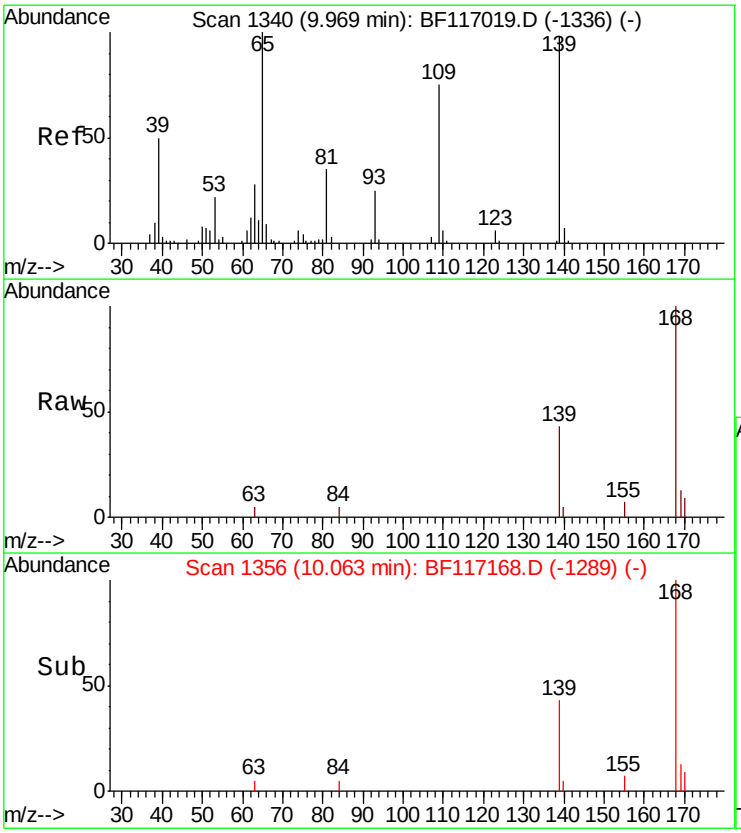
#51
2,6-Dinitrotoluene
Concen: 9.035 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 9076

Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#

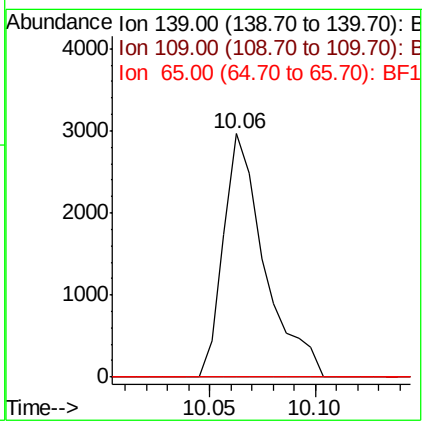


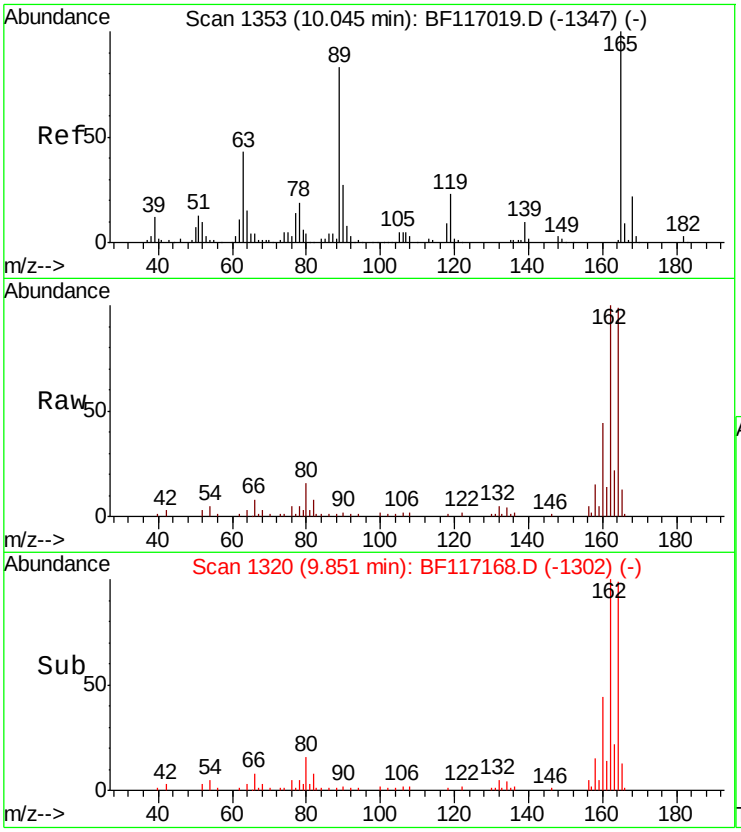


#56
4-Nitrophenol
Concen: 4.865 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.09 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:139 Resp: 3996

Ion	Ratio	Lower	Upper
139	100		
109	0.0	56.4	96.4#
65	0.0	82.5	122.5#



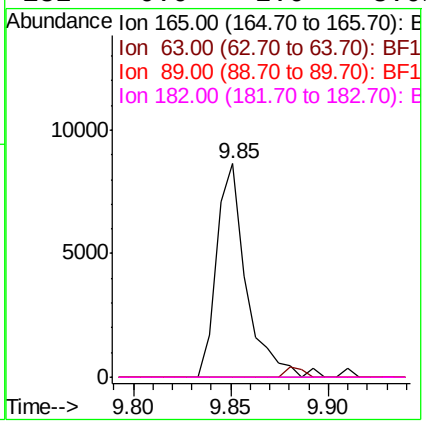


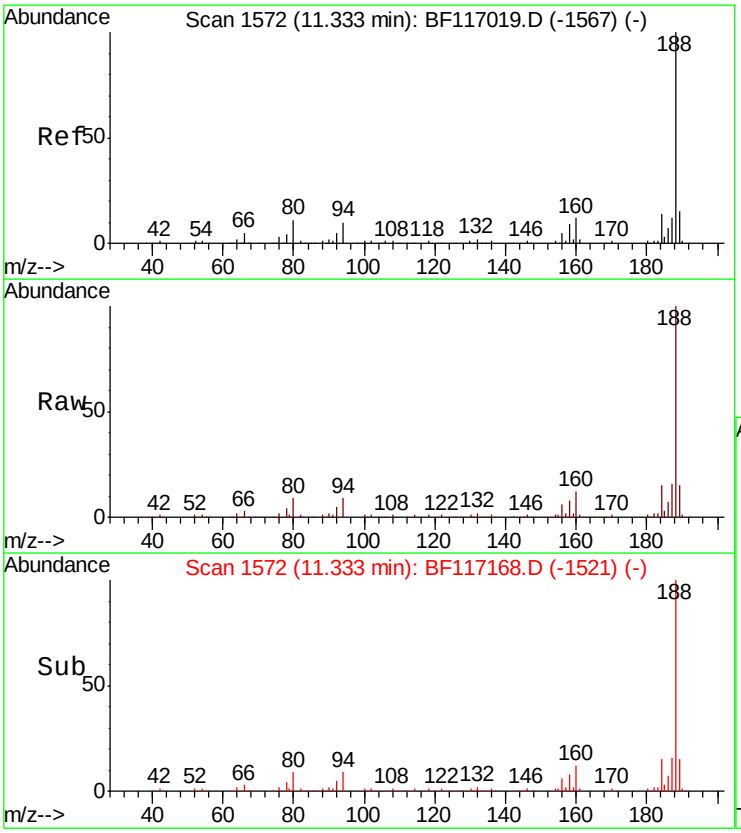
#57
2,4-Dinitrotoluene
Concen: 6.961 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 9076

Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

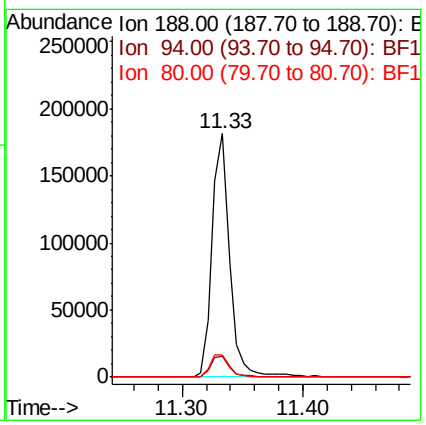


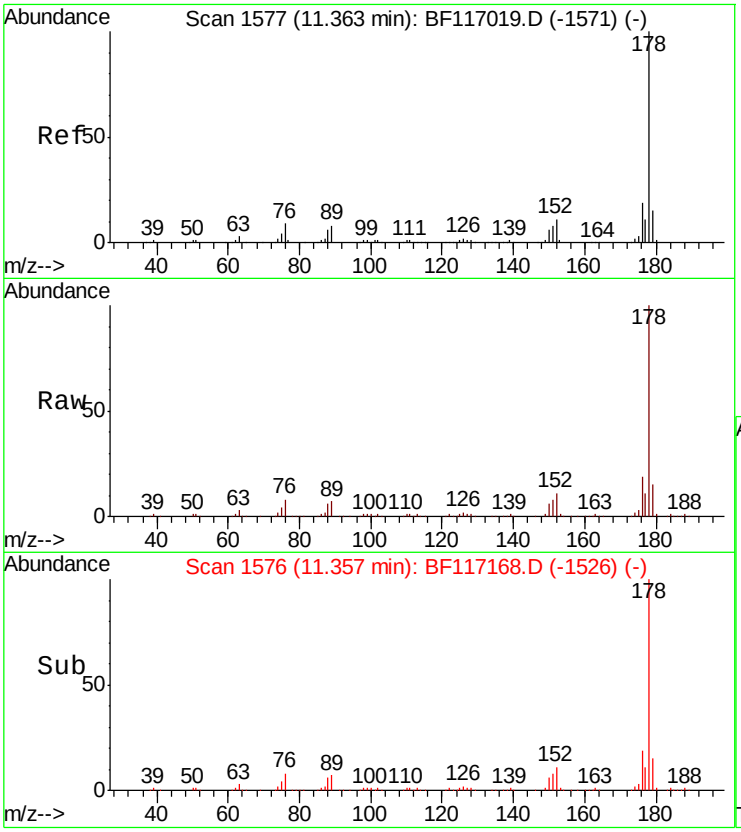


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:188 Resp: 181590

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	9.3	9.0	13.6



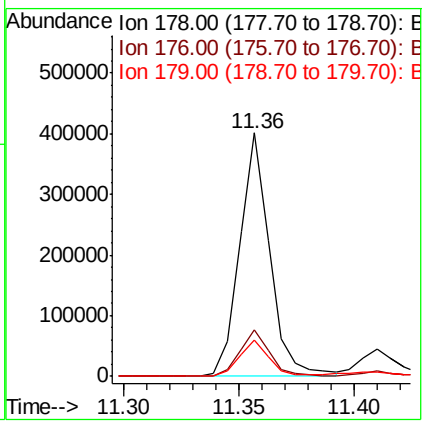


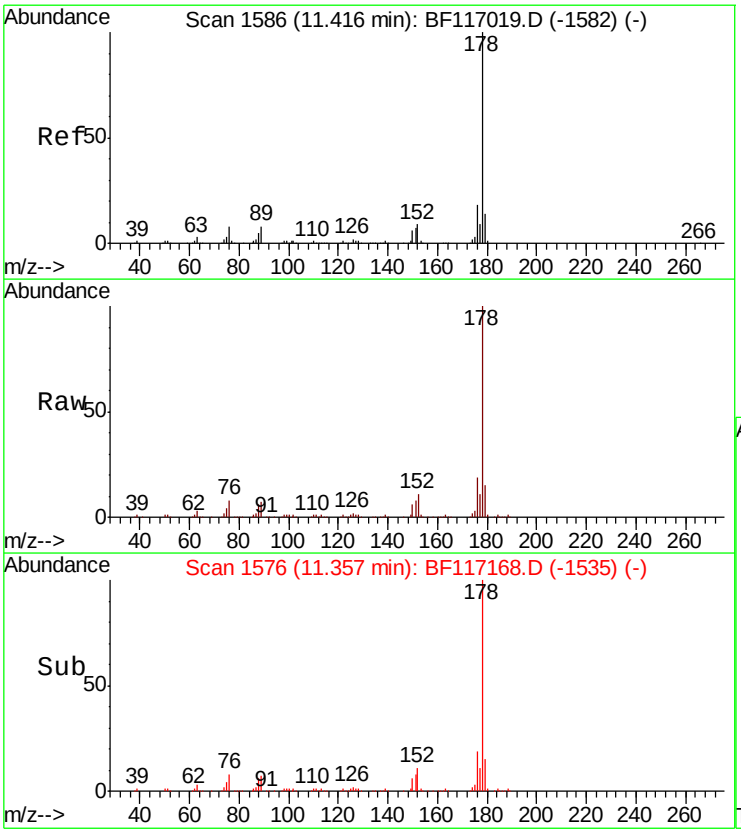
#71
Phenanthrene
Concen: 35.504 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 366194

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	14.7	12.4	18.6

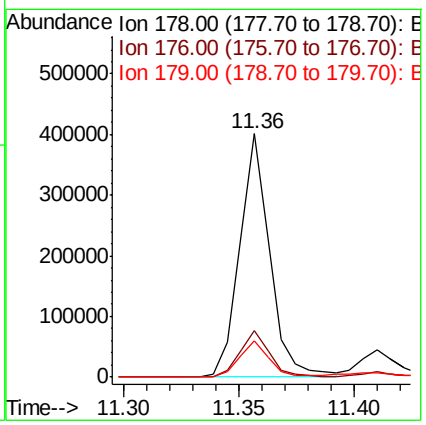


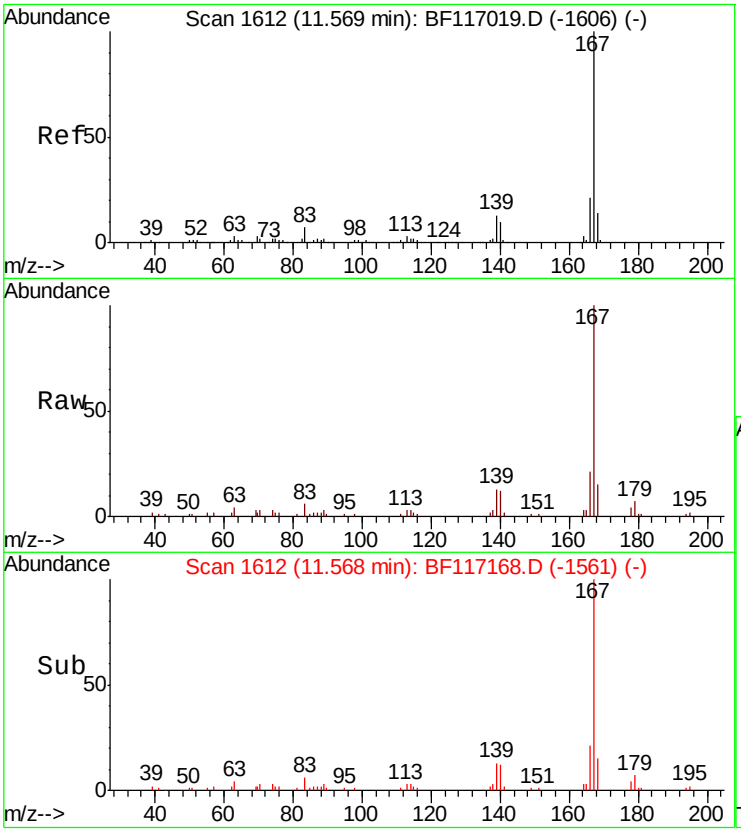


#72
Anthracene
Concen: 34.776 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.06 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:178 Resp: 366194

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.6	21.8
179	14.7	11.6	17.4



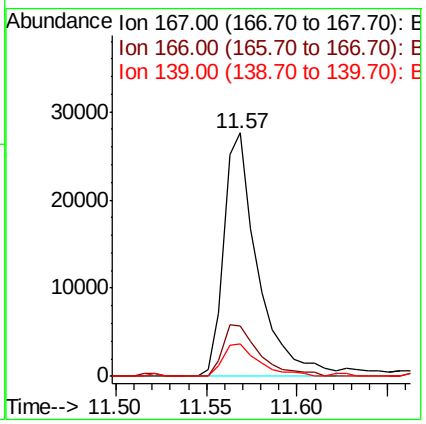


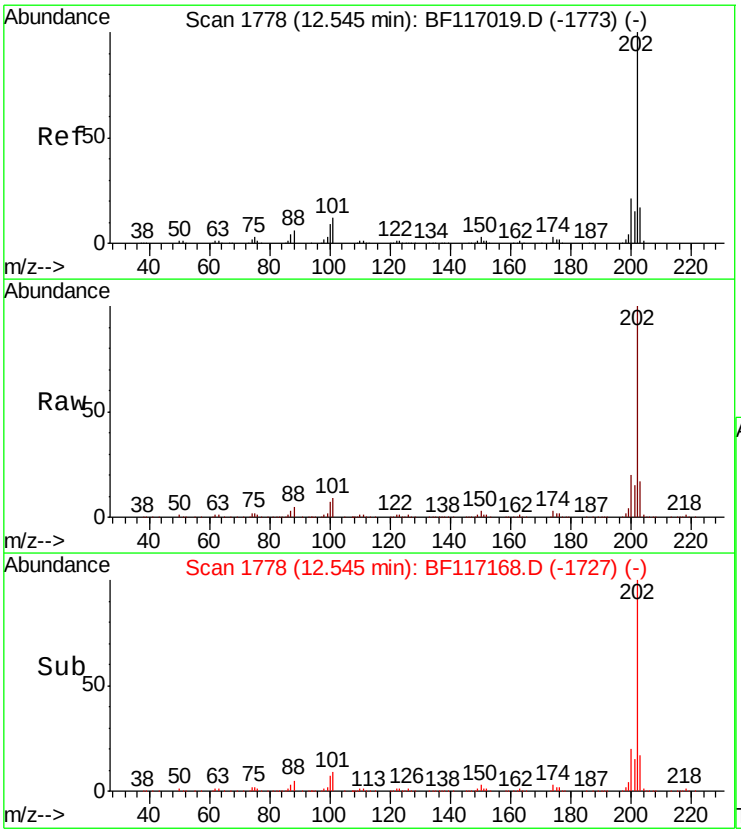
#73
Carbazole
Concen: 3.617 ng
RT: 11.57 min Scan# 1612
Delta R.T. -0.00 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 36155

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.2	25.8
139	13.5	10.6	16.0

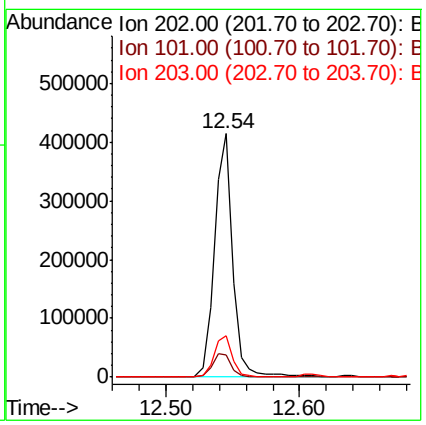


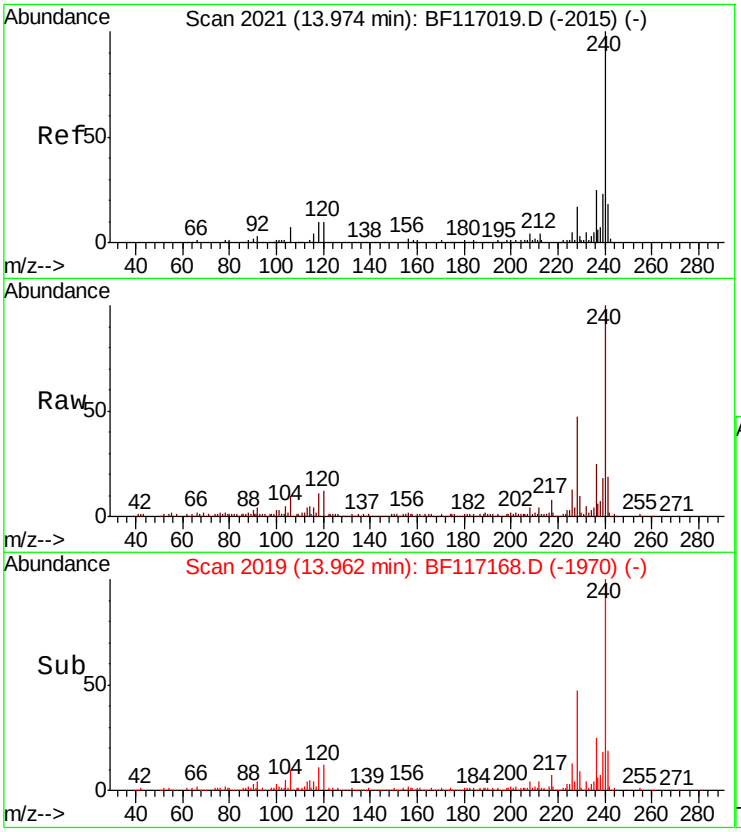


#75
Fluoranthene
Concen: 37.583 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:202 Resp: 398301

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	32.3
203	16.9	0.0	37.1



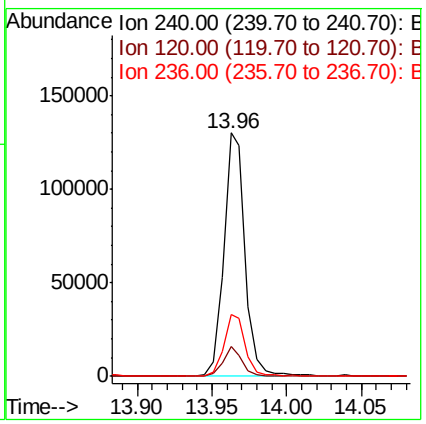


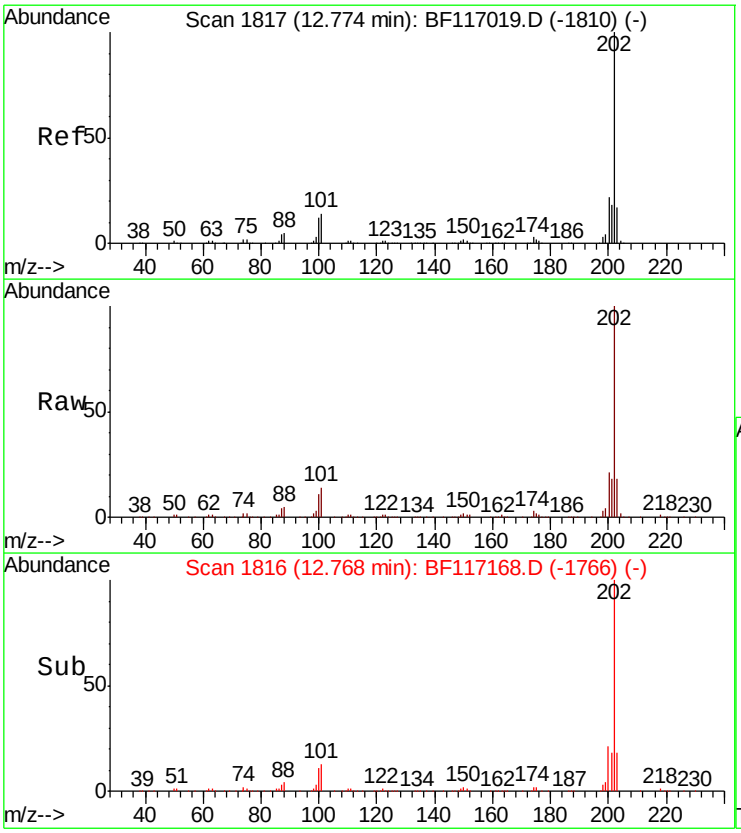
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 131430

Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.3	12.5
236	25.5	20.3	30.5

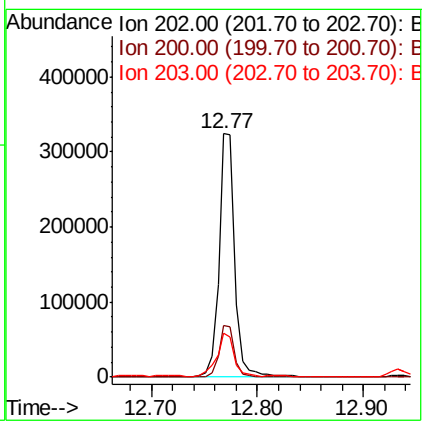


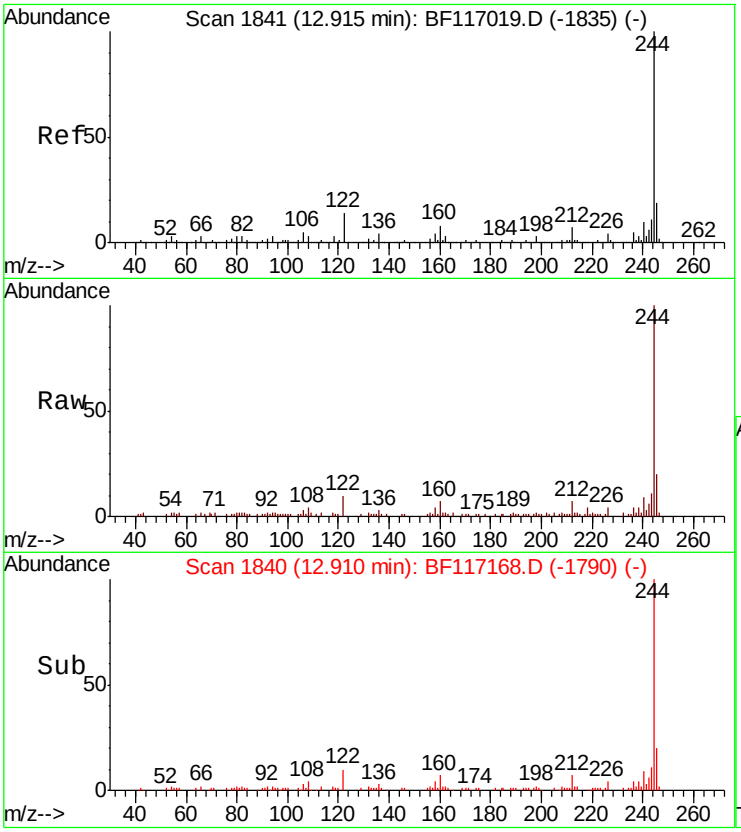


#78
Pyrene
Concen: 30.614 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:202 Resp: 337607

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	18.1	14.0	21.0



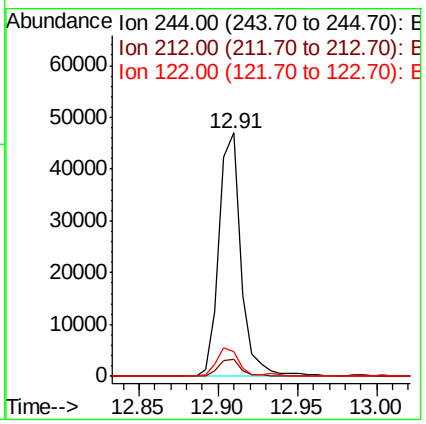


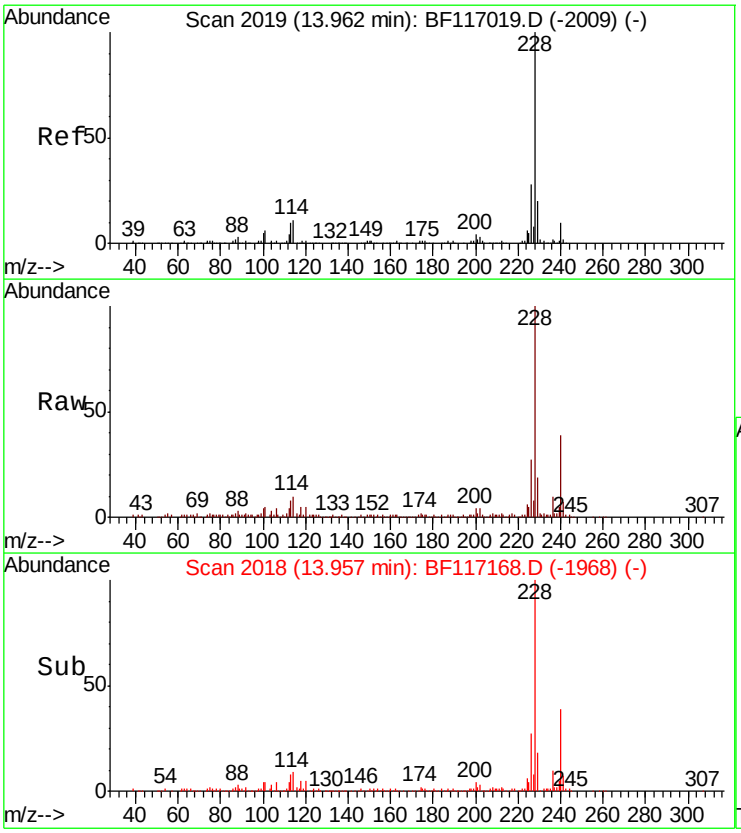
#79
Terphenyl-d14
Concen: 6.472 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 45504

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.3	11.3	16.9#

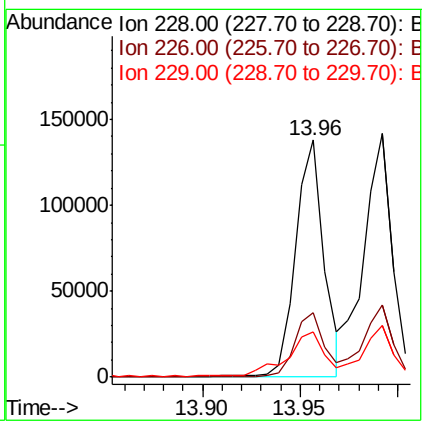


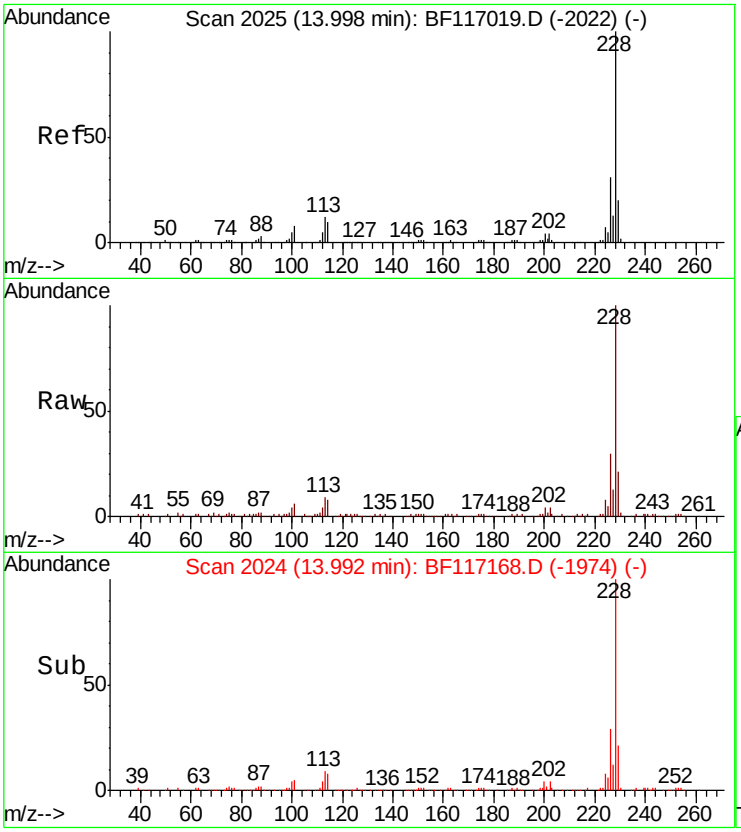


#81
Benzo(a)anthracene
Concen: 15.804 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:228 Resp: 138778

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.3	33.5
229	19.1	15.9	23.9



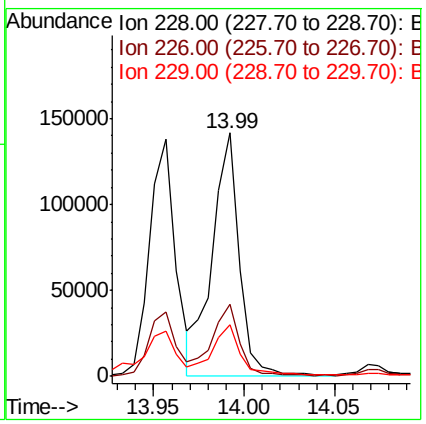


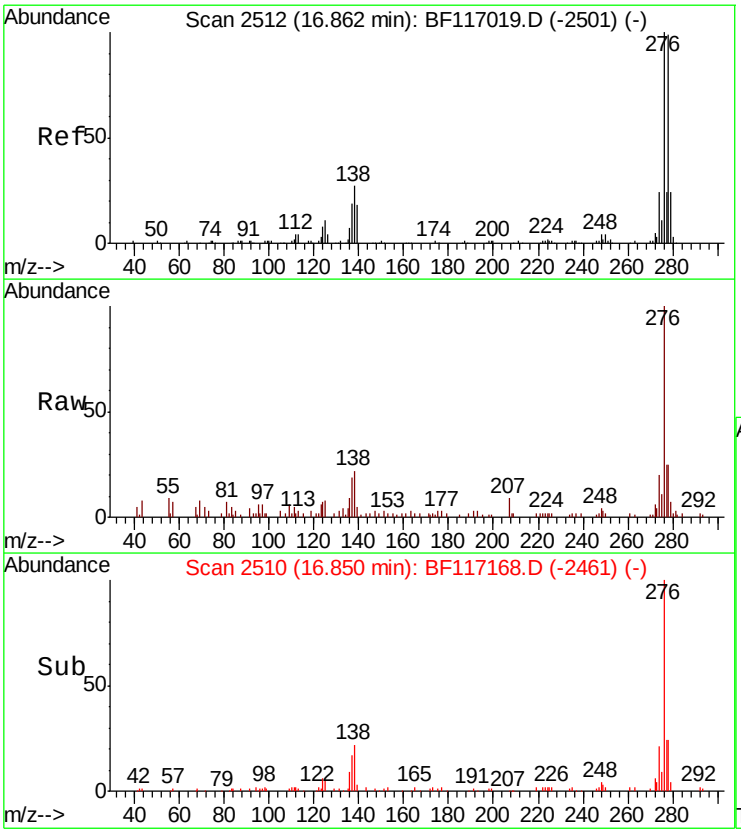
#83
Chrysene
Concen: 17.235 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 147610

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.8	37.2
229	21.1	15.8	23.8

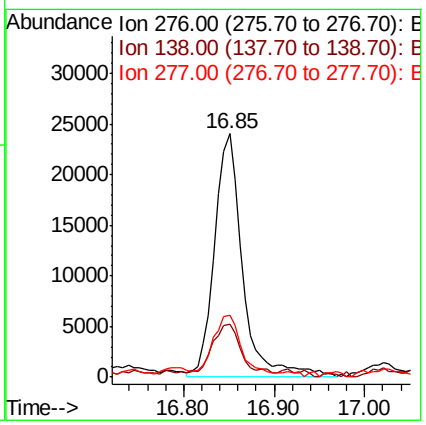


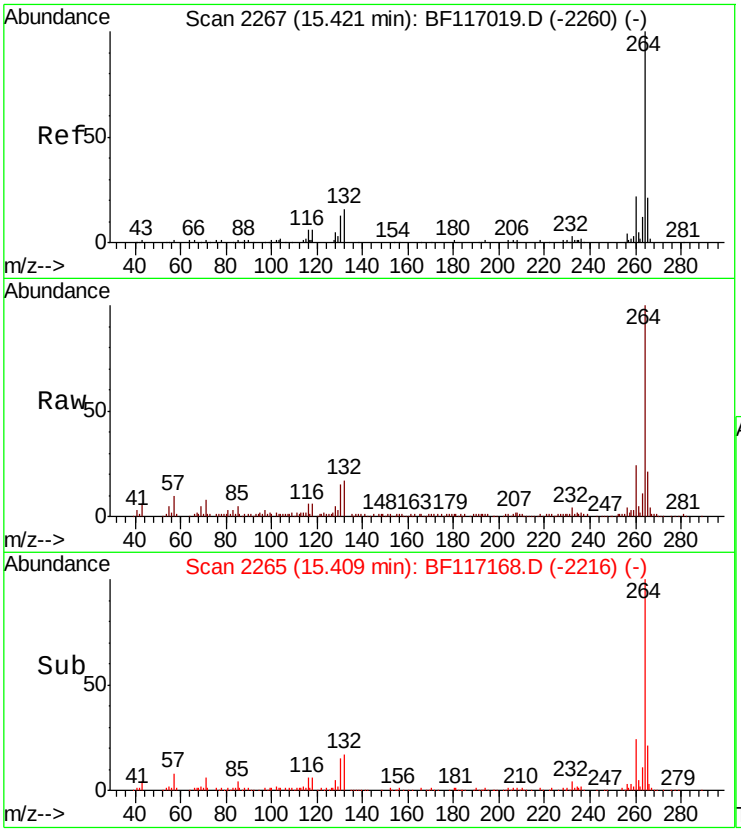


#86
Indeno(1,2,3-cd)pyrene
Concen: 8.282 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:276 Resp: 51746

Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.7	31.1
277	22.2	19.8	29.8



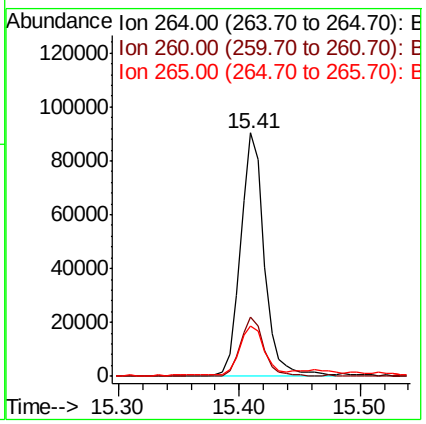


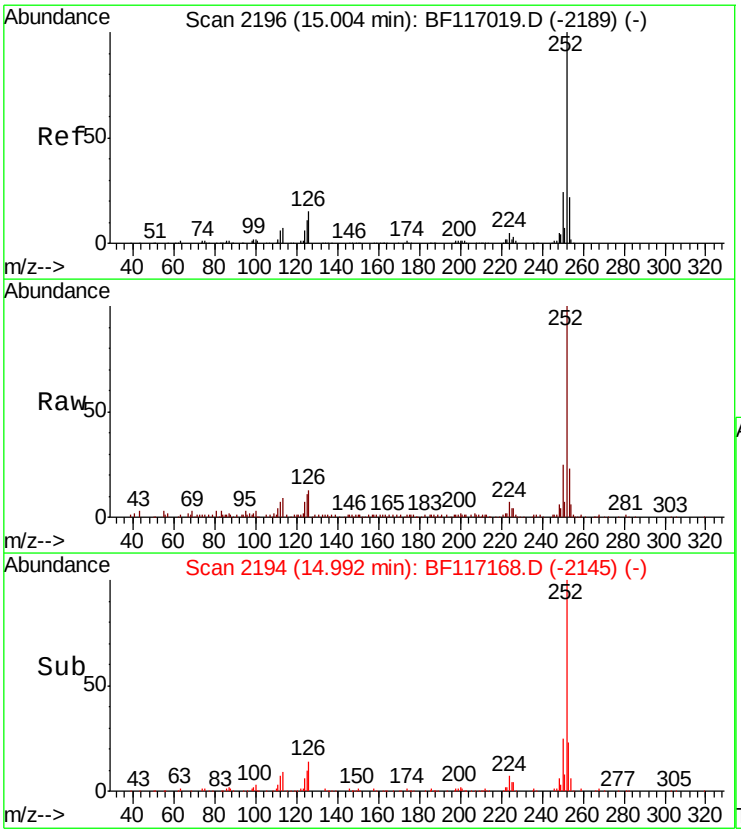
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 124756

Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.6	26.4
265	20.8	16.6	24.8

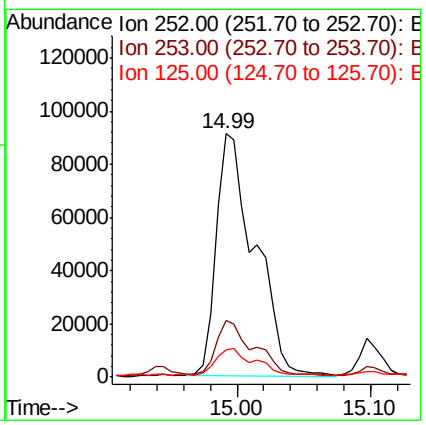


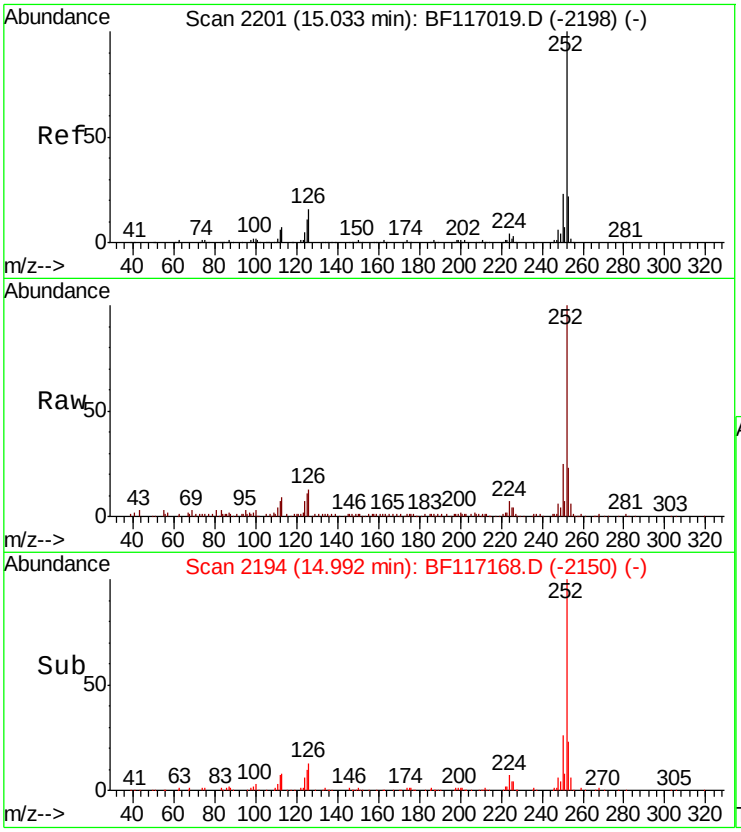


#88
Benzo(b)fluoranthene
Concen: 24.393 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:252 Resp: 184339

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	11.2	8.6	12.8



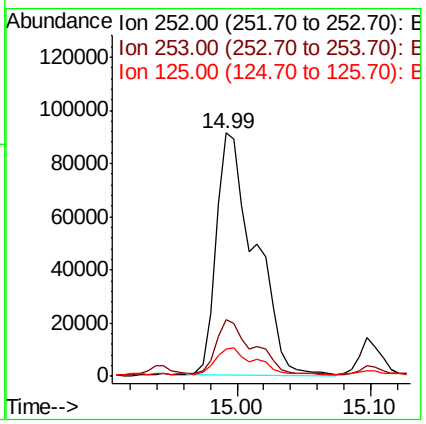


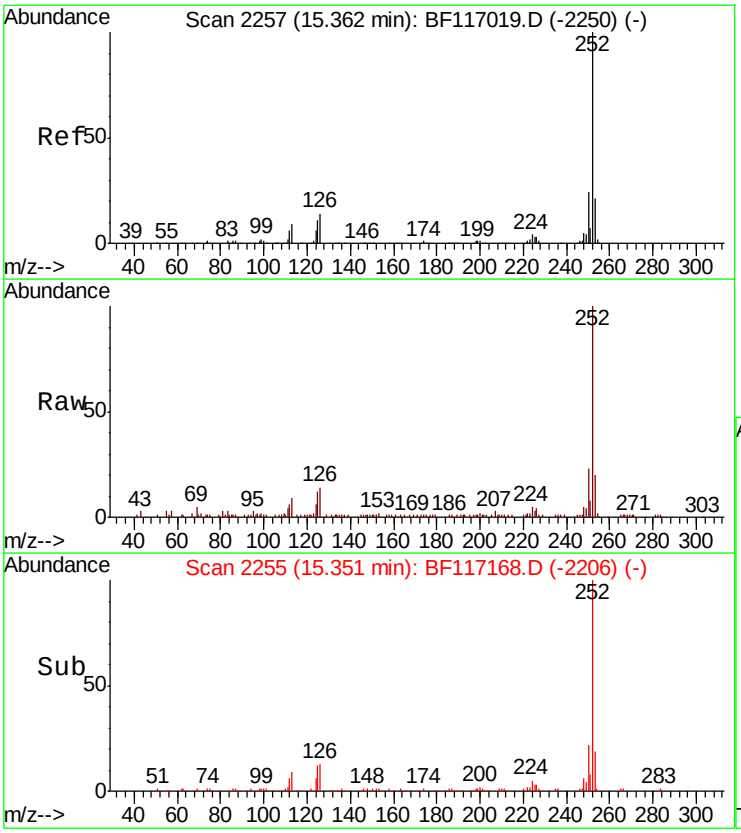
#89
Benzo(k)fluoranthene
Concen: 25.751 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 184339

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	11.2	8.8	13.2

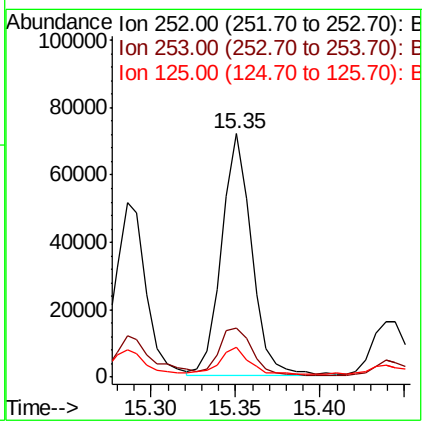


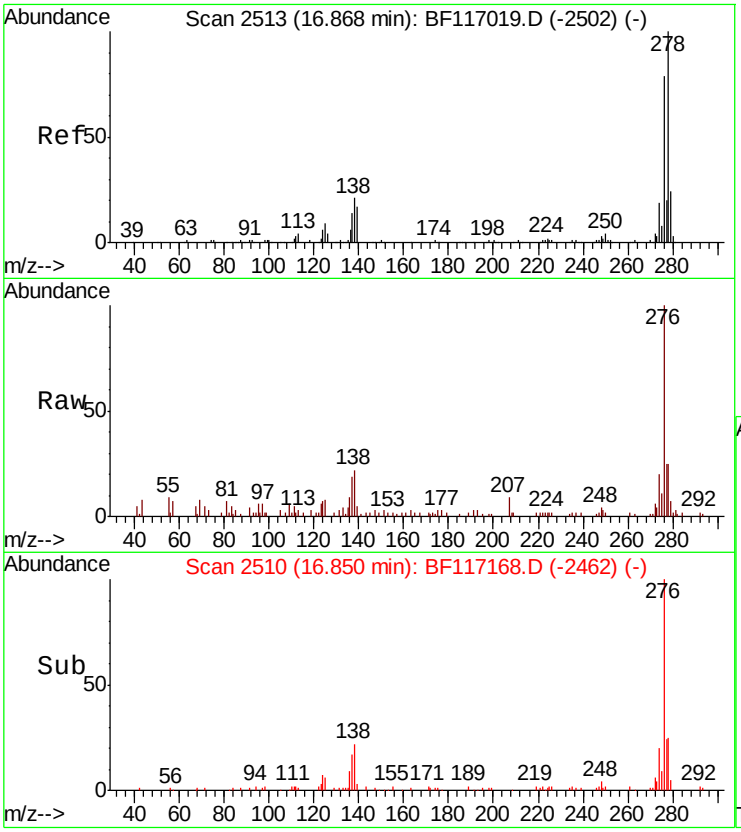


#90
Benzo(a)pyrene
Concen: 13.463 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:252 Resp: 89278

Ion	Ratio	Lower	Upper
252	100		
253	20.4	16.6	25.0
125	12.5	8.9	13.3



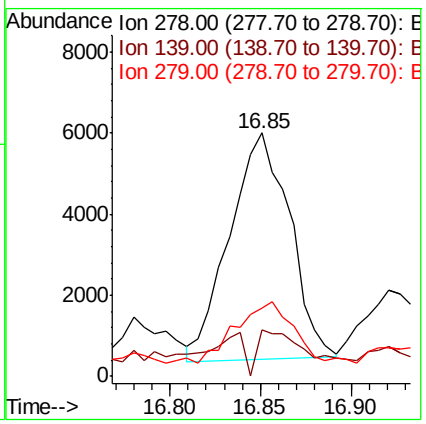


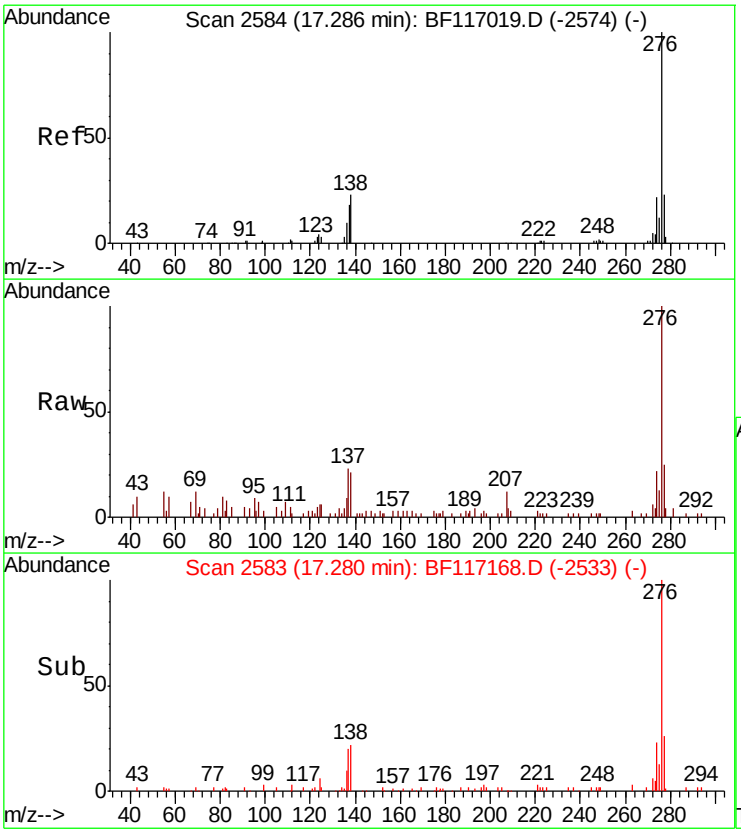
#91
Dibenzo(a,h)anthracene
Concen: 2.430 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.02 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 12836

Ion	Ratio	Lower	Upper
278	100		
139	18.9	13.5	20.3
279	27.8	18.8	28.2





#92
Benzo(g,h,i)perylene
Concen: 8.843 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BF117168.D
Acq: 19 Sep 2019 1:47

Tgt Ion:276 Resp: 46549

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	27.8
138	21.5	18.0	27.0