Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116643.D
Acq On : 29 Aug 2019 4:12
Operator : HP/JU
Sample : K4409-12 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 29 04:50:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 13:34:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	78673	20.00	ng		0.00
21) Naphthalene-d8	8.15	136	437378	20.00	ng		0.00
39) Acenaphthene-d10	9.90	164	222135	20.00	ng		0.00
64) Phenanthrene-d10	11.39	188	152475	20.00	ng		0.00
76) Chrysene-d12	14.03	240	105547	20.00	ng		0.02
87) Perylene-d12	15.49	264	89463	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	52701	11.57	ng		0.00
7) Phenol-d6	6.49	99	54807	8.88	ng		0.00
23) Nitrobenzene-d5	7.42	82	33579	4.39	ng		-0.01
42) 2,4,6-Tribromophenol	10.69	330	6101	2.89	ng		0.00
45) 2-Fluorobiphenyl	9.22	172	77946	5.84	ng		0.00
79) Terphenyl-d14	12.96	244	26978	4.16	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.40	77	116	Below Cal		#	1
20) 3+4-Methylphenols	7.26	107	11301	2.024	ng	#	67
25) Isophorone	7.42	82	33578	2.413	ng	#	65
31) Naphthalene	8.17	128	2153712	102.797	ng		98
33) 4-Chloroaniline	8.17	127	297113	32.176	ng	#	34
37) 2-Methylnaphthalene	8.86	142	326148	24.927	ng		99
38) 1-Methylnaphthalene	8.96	142	156486	12.246	ng		98
46) 1,1'-Biphenyl	9.32	154	138937	8.239	ng		100
51) 2,6-Dinitrotoluene	9.90	165	38608	11.724	ng	#	31
52) Acenaphthene	9.94	154	736750	56.356	ng		96
55) Dibenzofuran	10.11	168	905546	51.437	ng		98
56) 4-Nitrophenol	10.10	139	354026	118.435	ng	#	12
58) Fluorene	10.45	166	553349	41.416	ng		99
71) Phenanthrene	11.43	178	3162922	386.204	ng		97
72) Anthracene	11.47	178	1135628	138.679	ng		99
73) Carbazole	11.62	167	515618	73.982	ng		99
75) Fluoranthene	12.62	202	2786563	379.383	ng		96
78) Pyrene	12.84	202	2247107	231.530	ng		99
81) Benzo(a)anthracene	14.02	228	1156917	164.407	ng		97
83) Chrysene	14.06	228	950806	138.020	ng		97
86) Indeno(1,2,3-cd)pyrene	16.95	276	311286	50.672	ng	#	93
88) Benzo(b)fluoranthene	15.07	252	1328510	241.815	ng		98
89) Benzo(k)fluoranthene	15.07	252	1328510	254.395	ng		98
90) Benzo(a)pyrene	15.44	252	692961	141.326	ng		96
91) Dibenzo(a,h)anthracene	16.96	278	74993	16.391	ng		99
92) Benzo(g,h,i)perylene	17.40	276	283226	59.535	ng		98

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

Quantitation Report (Not Reviewed)

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Acq On : 29 Aug 2019 4:12
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 29 04:50:12 2019
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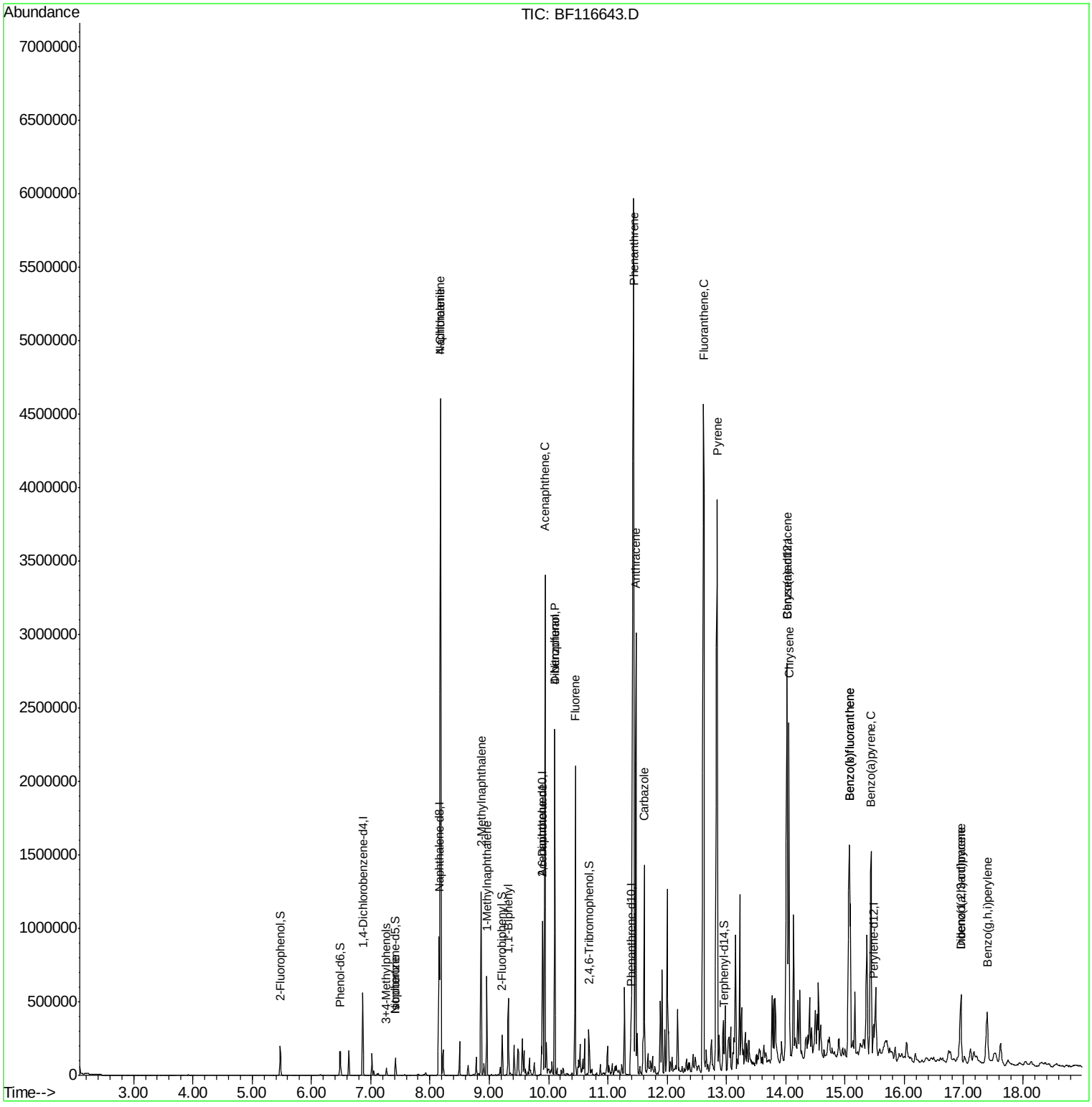
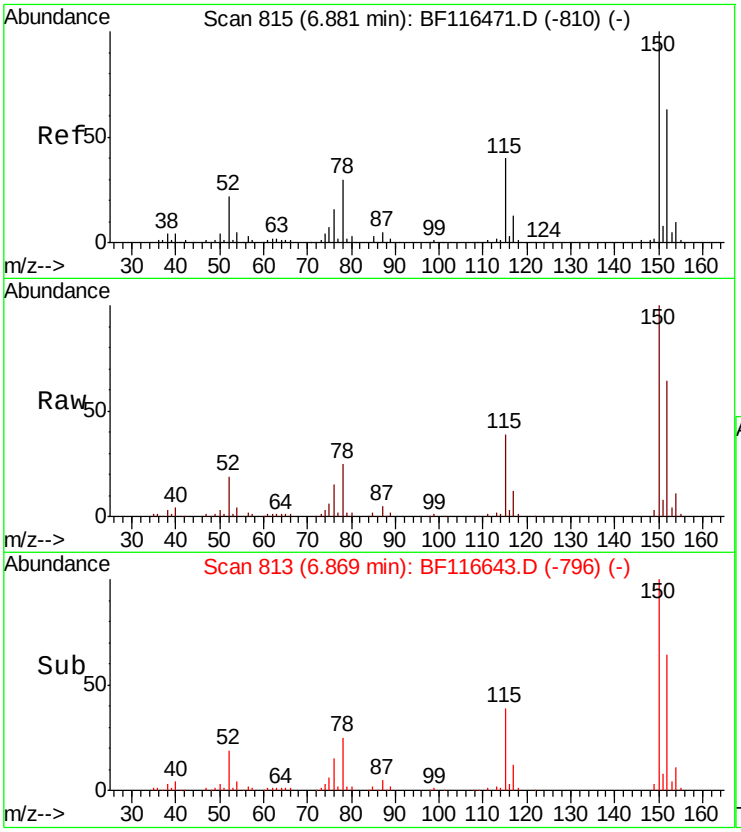
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 13:34:15 2019
Response via : Initial Calibration



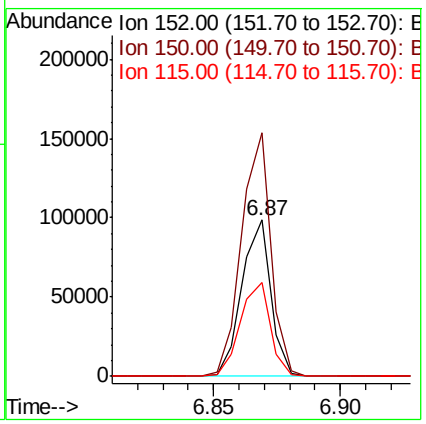


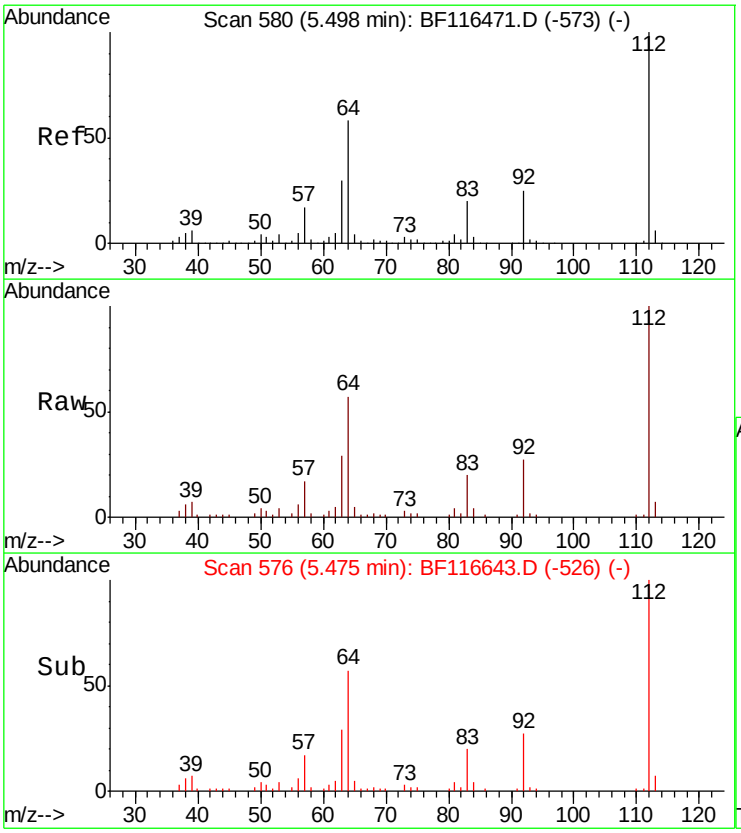
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 78673

Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.4	185.2
115	60.4	48.2	72.2

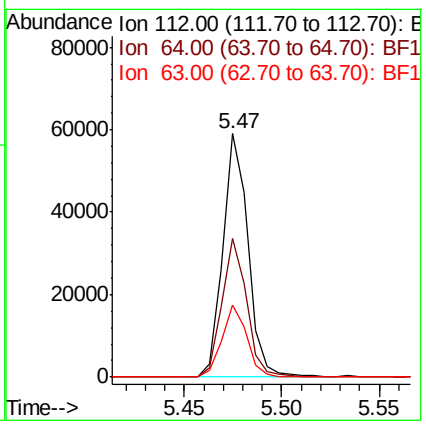


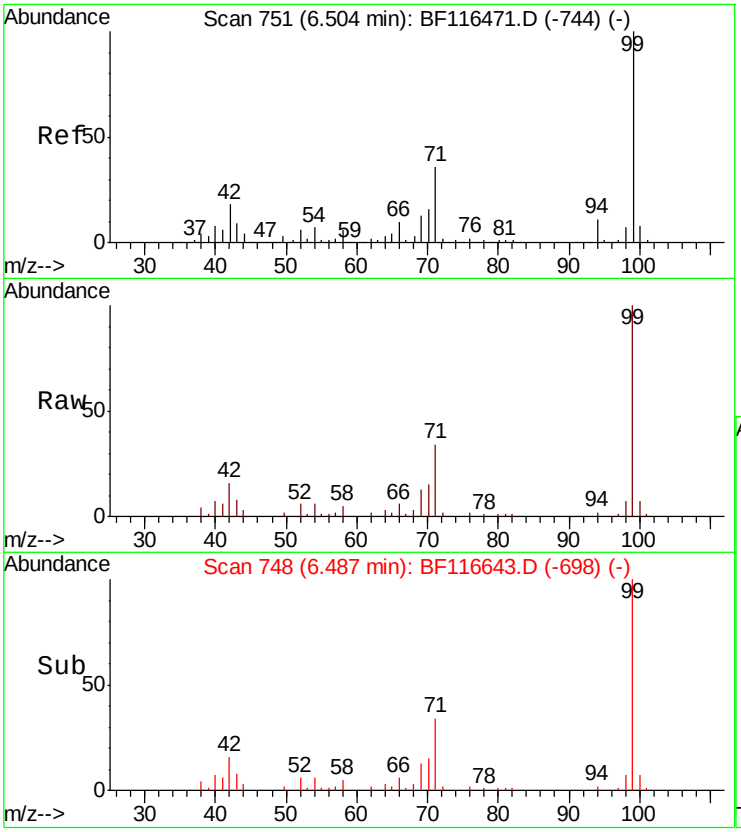


#5
2-Fluorophenol
Concen: 11.570 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:112 Resp: 52701

Ion	Ratio	Lower	Upper
112	100		
64	57.1	48.0	72.0
63	29.4	24.6	36.8



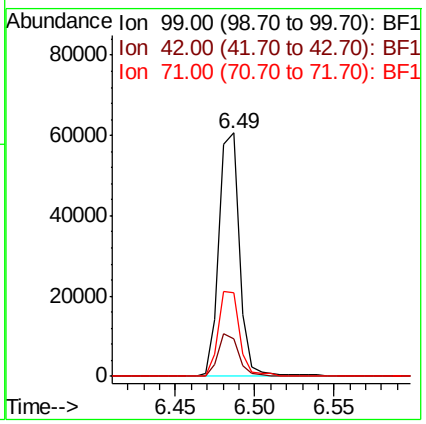


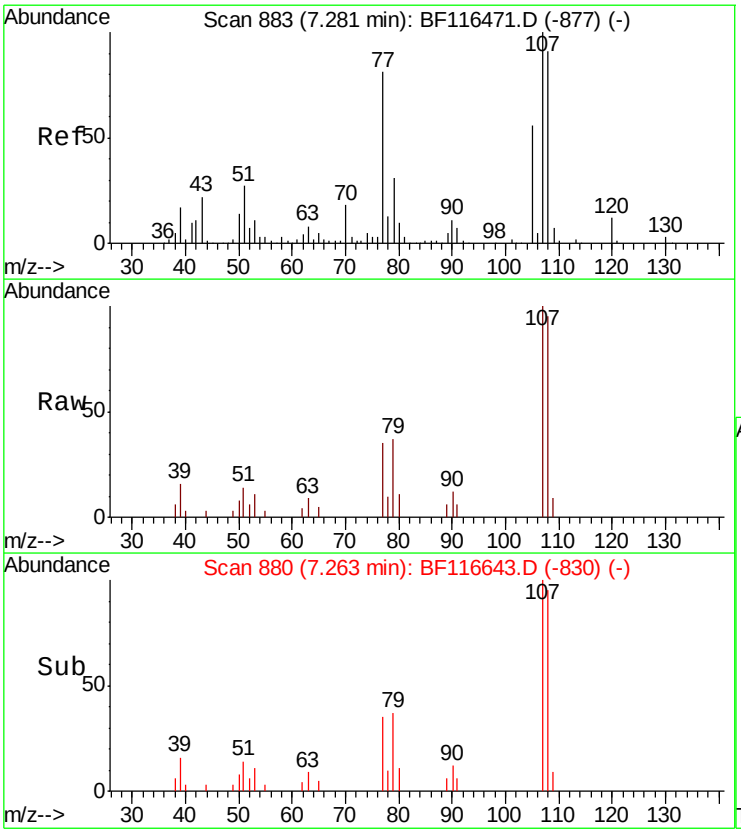
#7
Phenol-d6
Concen: 8.875 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 54807

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.2	19.8
71	34.4	27.4	41.2

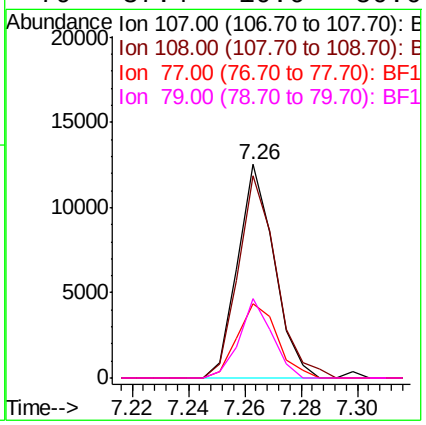


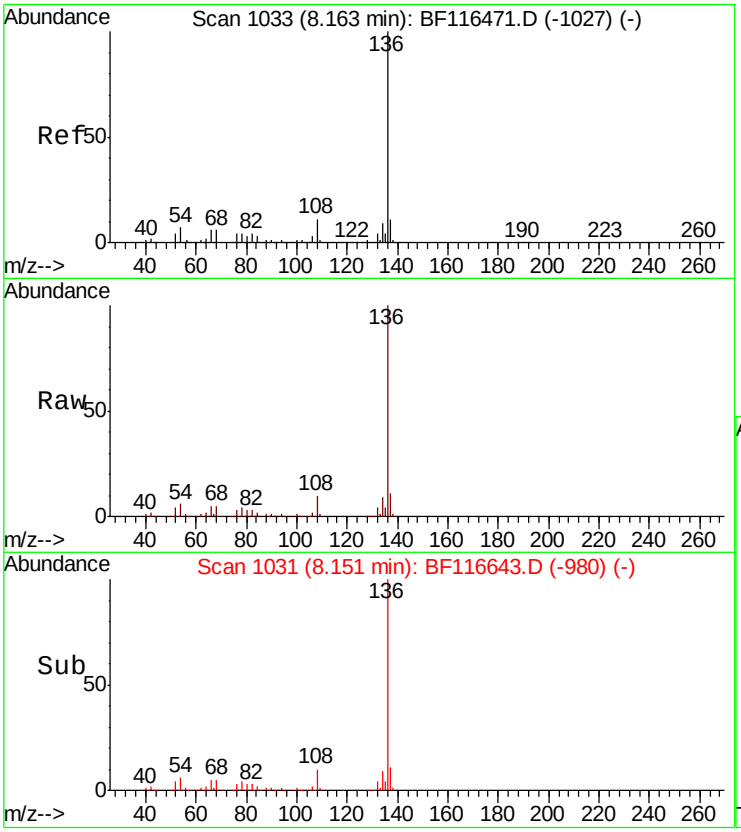


#20
3+4-Methylphenols
Concen: 2.024 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:107 Resp: 11301

Ion	Ratio	Lower	Upper
107	100		
108	94.5	72.6	112.6
77	34.8	82.4	122.4#
79	37.4	10.6	50.6



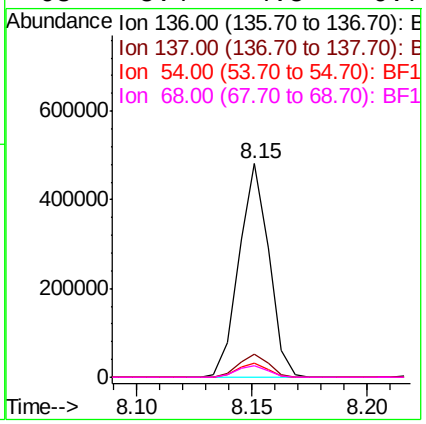


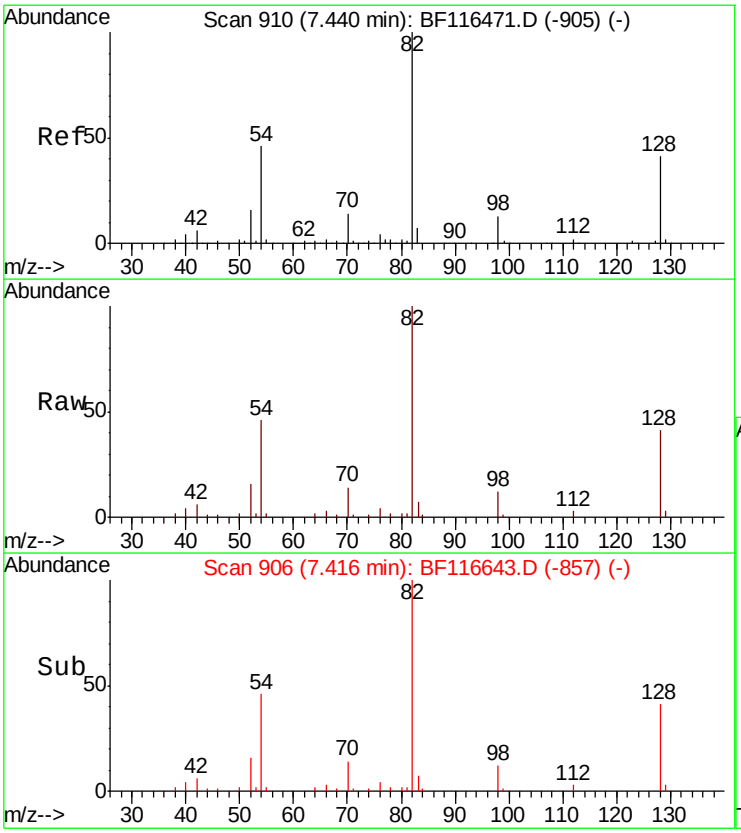
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 437378

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.5	5.0	7.4
68	5.4	4.5	6.7

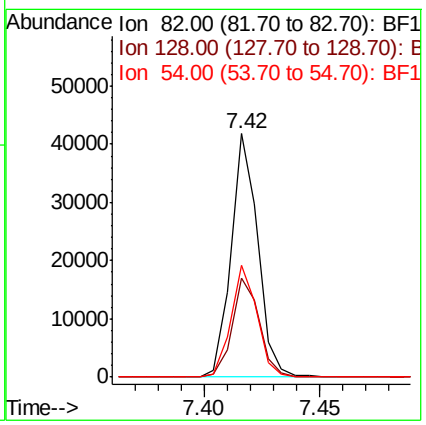


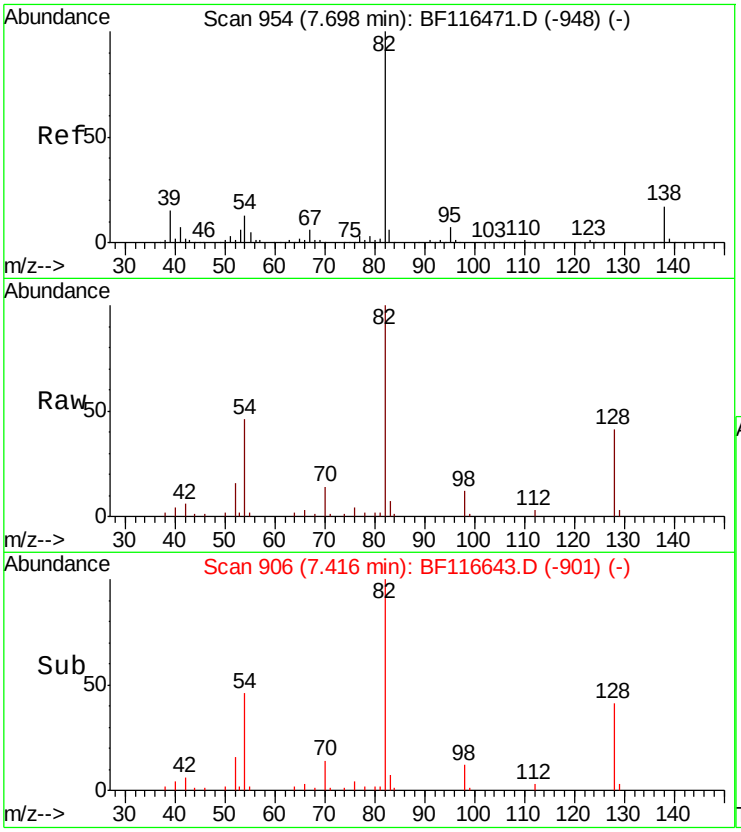


#23
Nitrobenzene-d5
Concen: 4.393 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion: 82 Resp: 33579

Ion	Ratio	Lower	Upper
82	100		
128	40.6	35.0	52.6
54	45.9	34.4	51.6



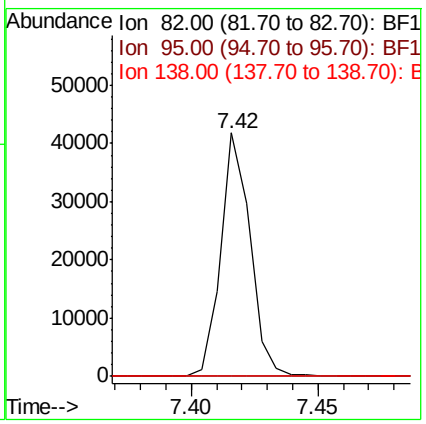


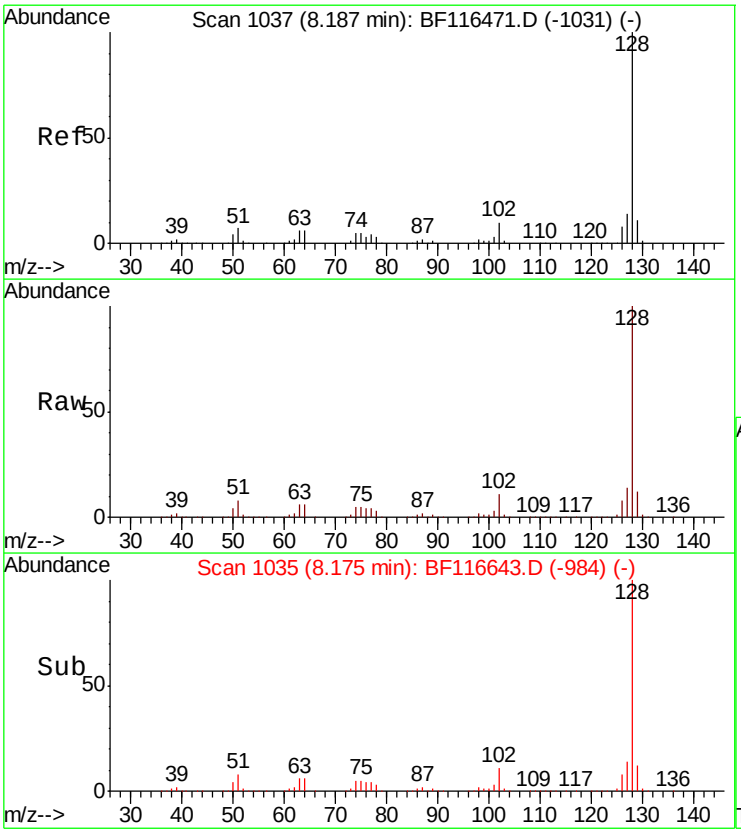
#25
Isophorone
Concen: 2.413 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.27 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 33578

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.4	21.6#

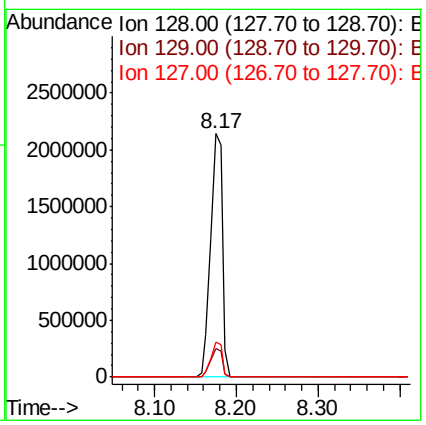


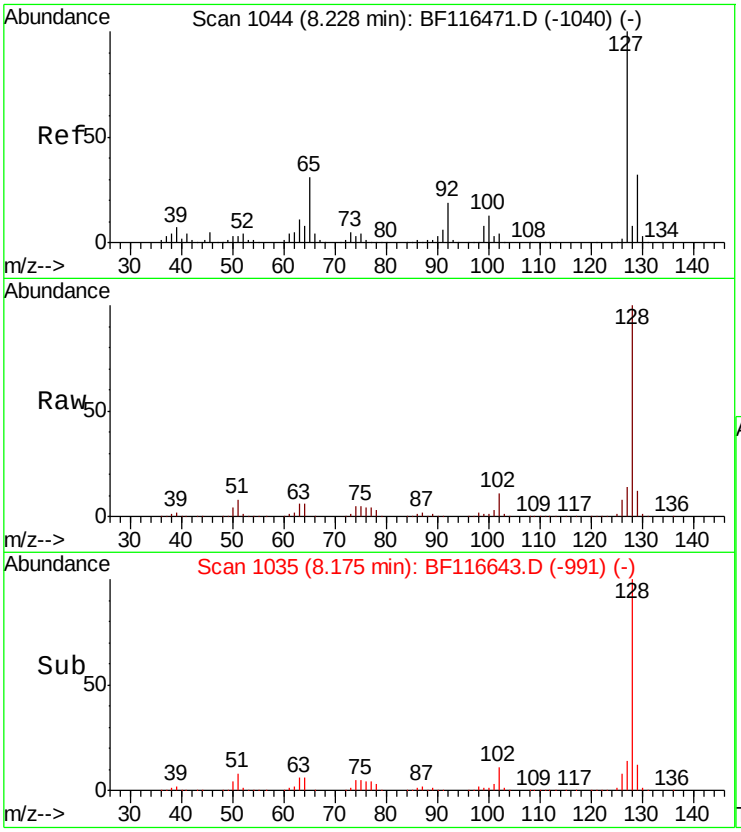


#31
Naphthalene
Concen: 102.797 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:128 Resp: 2153712

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.9	13.3
127	14.2	10.9	16.3



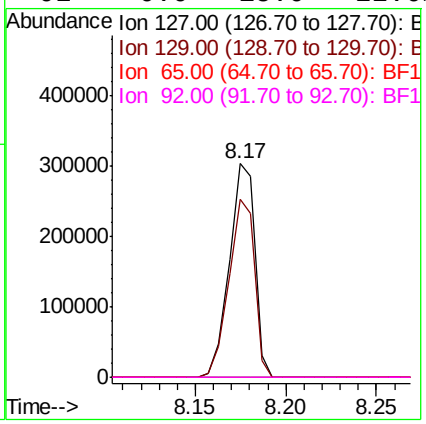


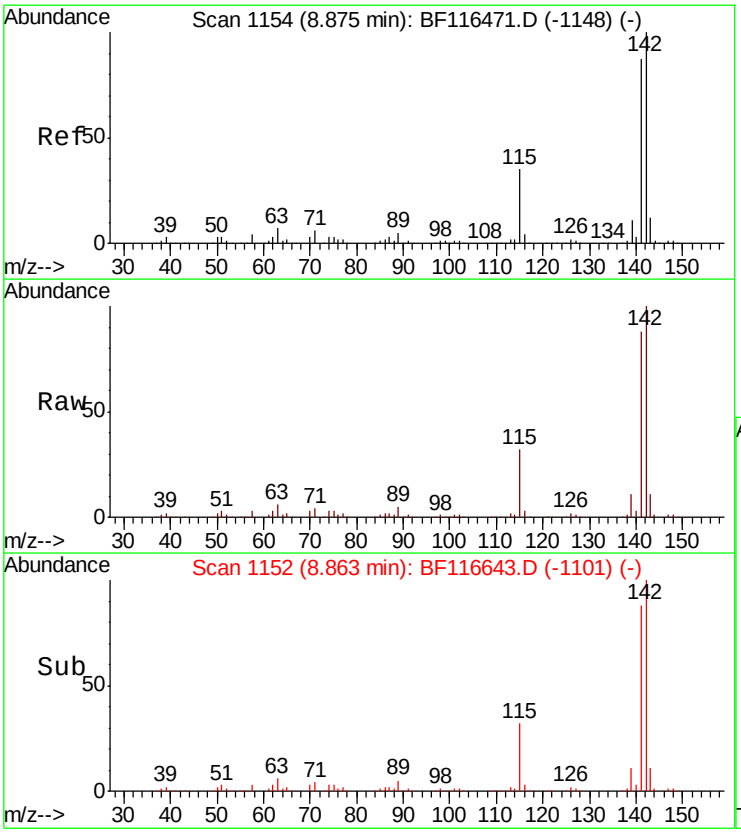
#33
4-Chloroaniline
Concen: 32.176 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.04 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 297113

Ion	Ratio	Lower	Upper
127	100		
129	83.2	25.9	38.9#
65	0.0	22.6	33.8#
92	0.0	15.0	22.6#

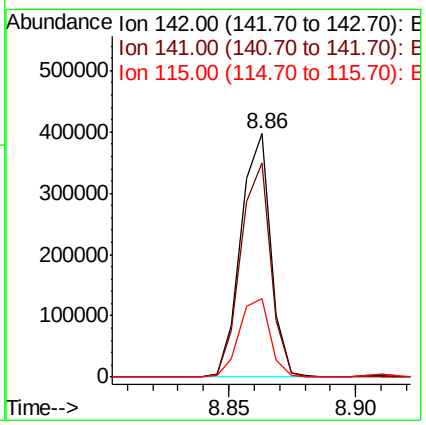


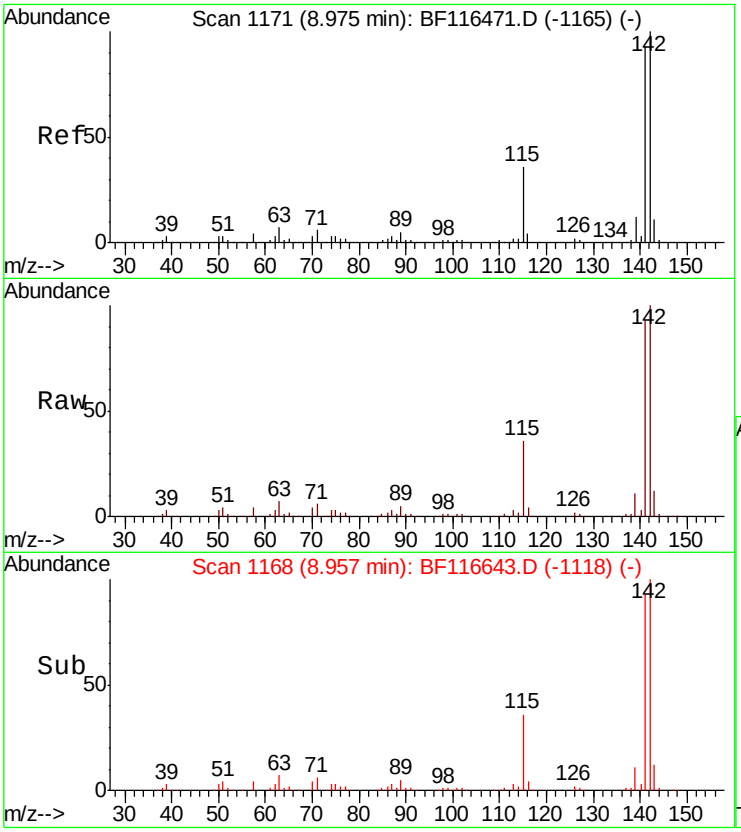


#37
2-Methylnaphthalene
Concen: 24.927 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:142 Resp: 326148

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.5	104.3
115	32.3	26.0	39.0



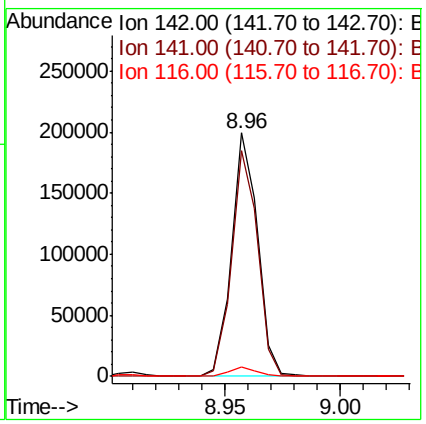


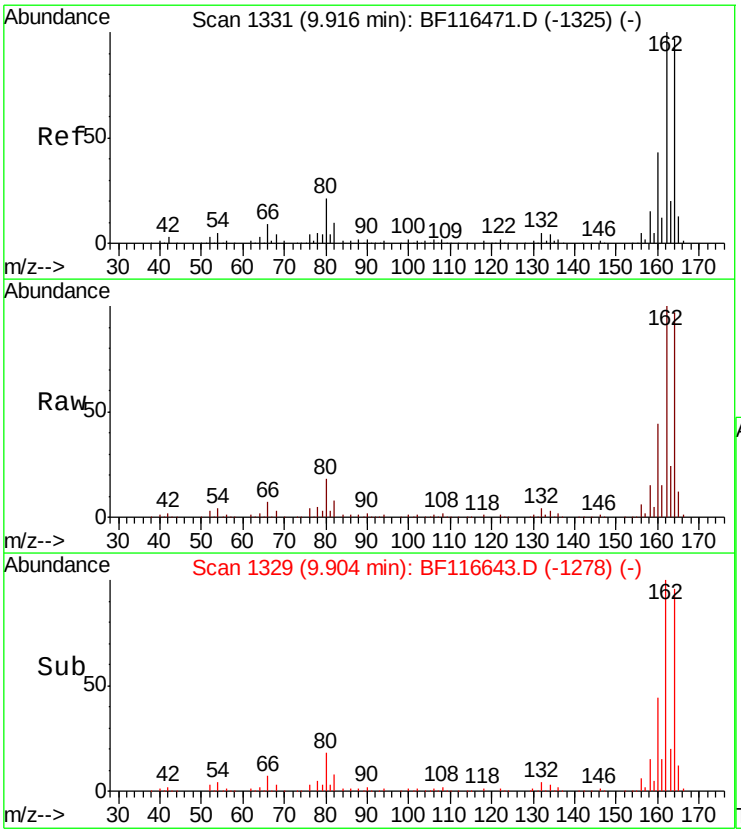
#38
1-Methylnaphthalene
Concen: 12.246 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 156486

Ion	Ratio	Lower	Upper
142	100		
141	92.9	73.1	109.7
116	3.8	2.7	4.1

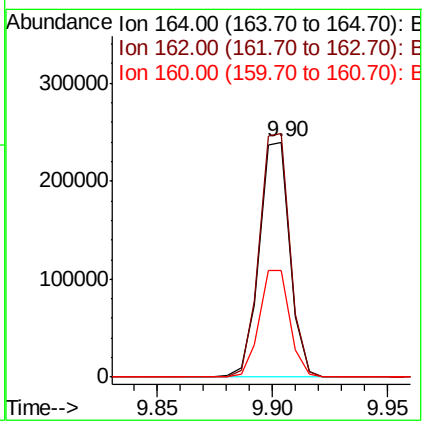


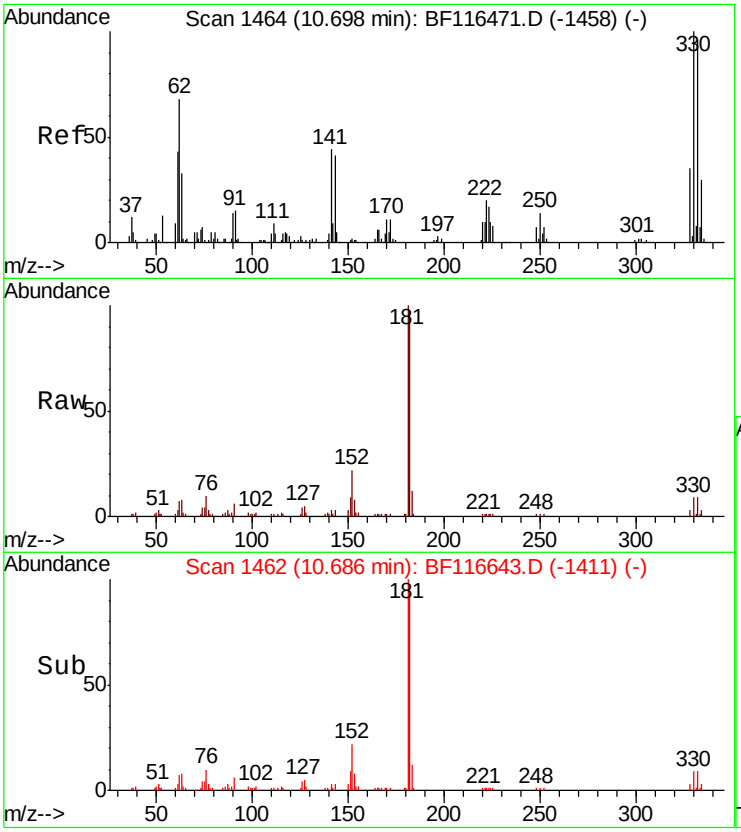


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:164 Resp: 222135

Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.4	125.0
160	45.6	37.0	55.4



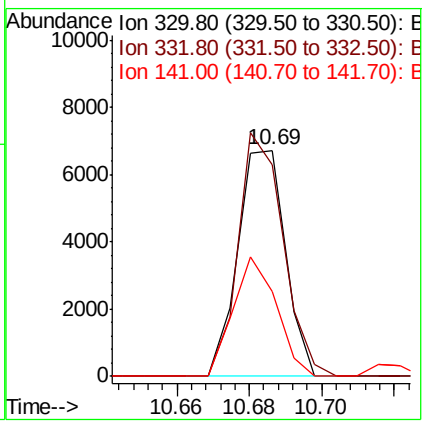


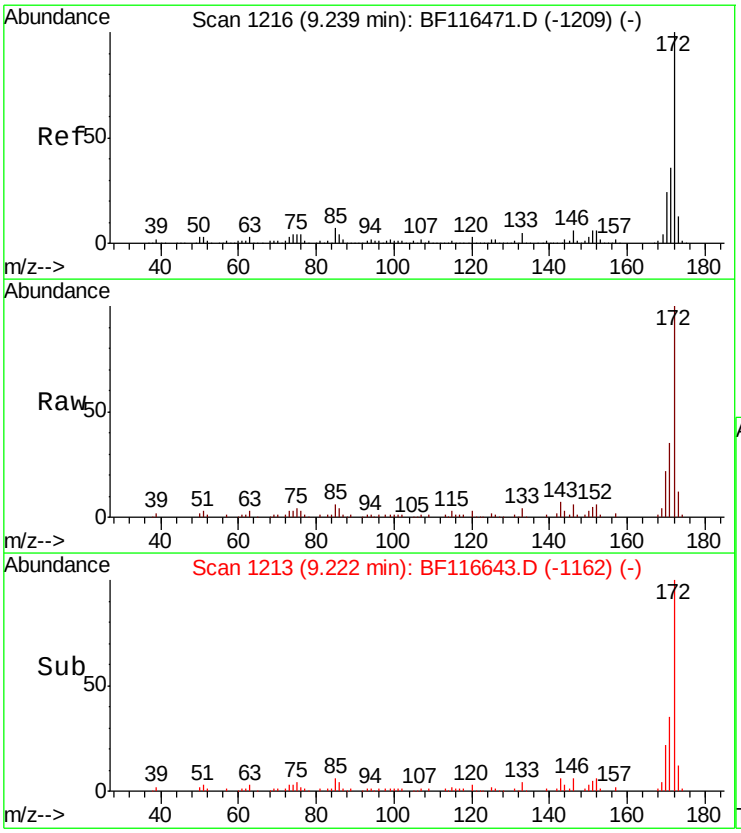
#42
2,4,6-Tribromophenol
Concen: 2.886 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 6101

Ion	Ratio	Lower	Upper
330	100		
332	102.0	77.5	116.3
141	48.6	28.2	42.2#

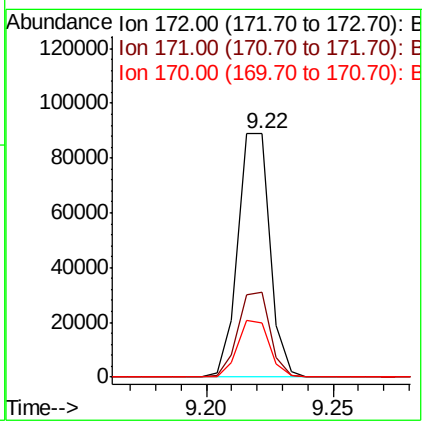


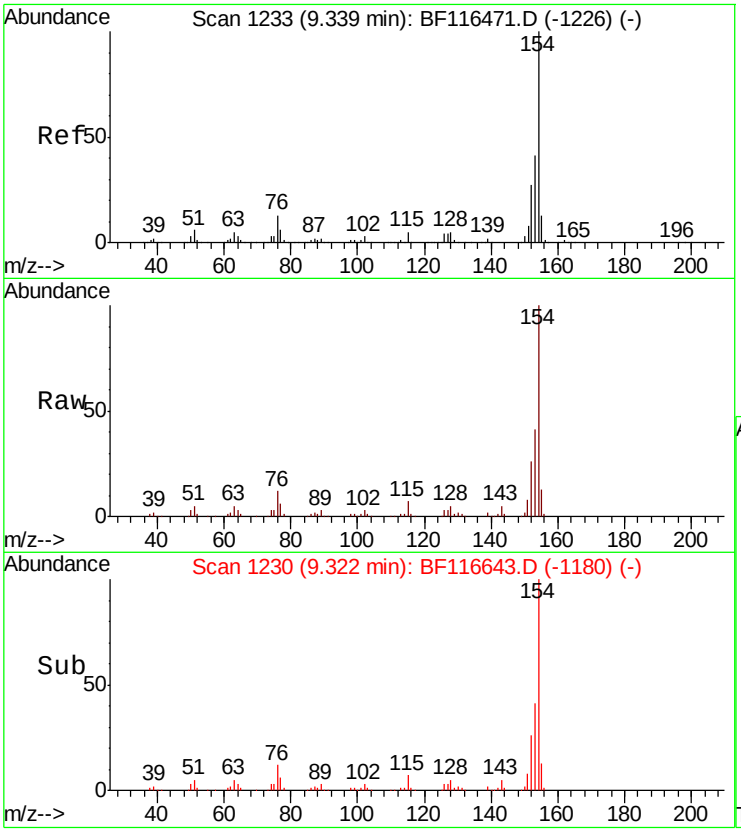


#45
2-Fluorobiphenyl
Concen: 5.840 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:172 Resp: 77946

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.6
170	22.5	19.3	28.9



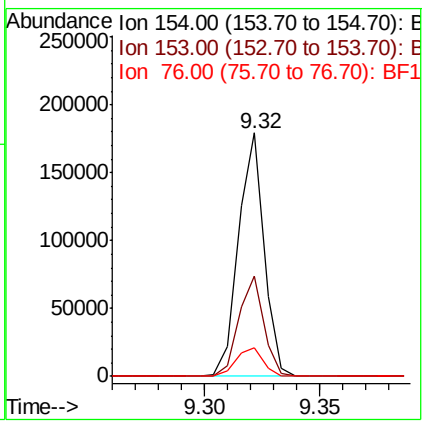


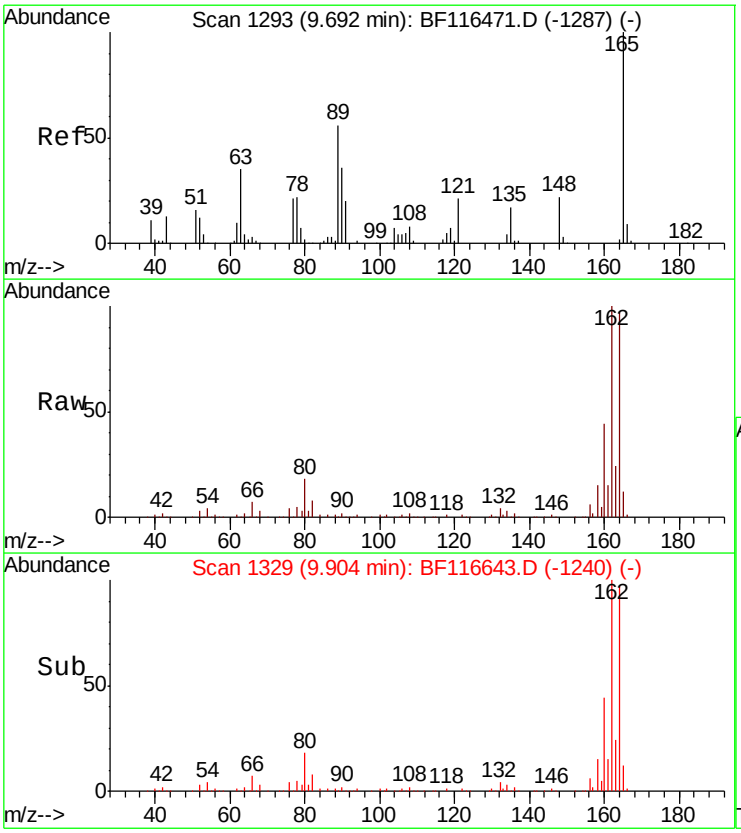
#46
1,1'-Biphenyl
Concen: 8.239 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 138937

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.4	61.4
76	11.8	0.0	31.8

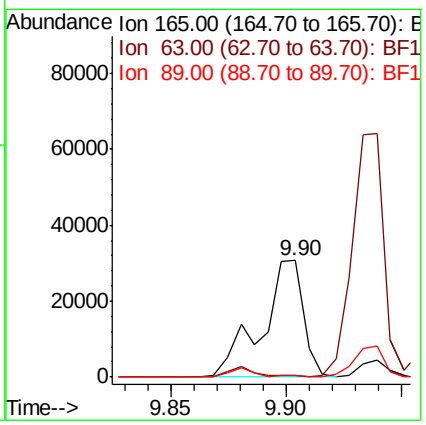


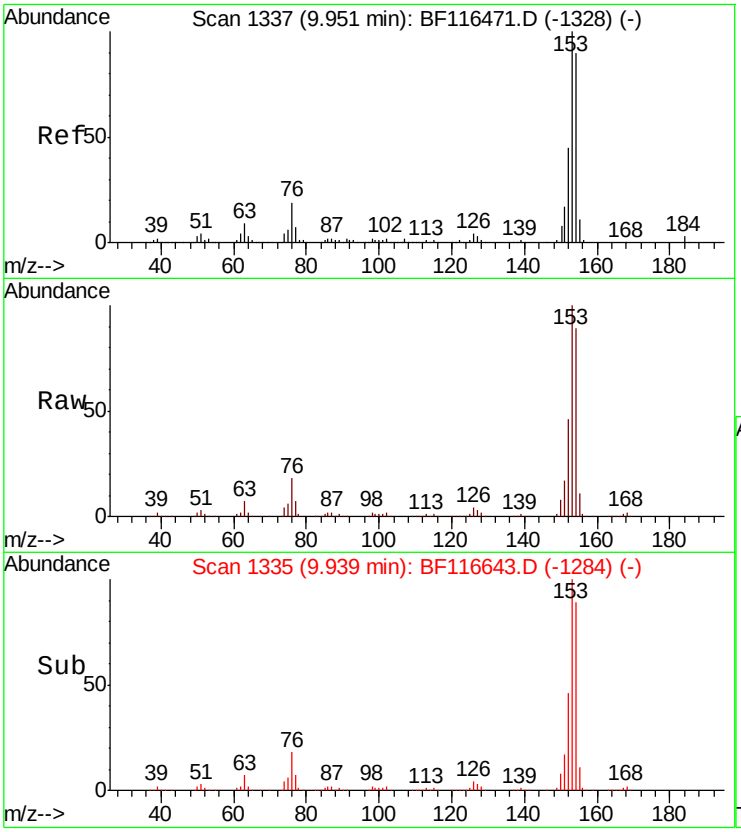


#51
2,6-Dinitrotoluene
Concen: 11.724 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.22 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:165 Resp: 38608

Ion	Ratio	Lower	Upper
165	100		
63	1.6	37.2	55.8#
89	1.7	40.8	61.2#



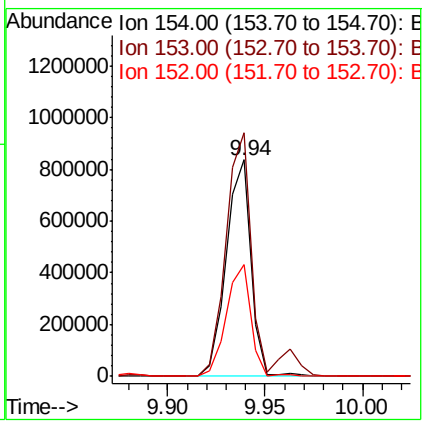


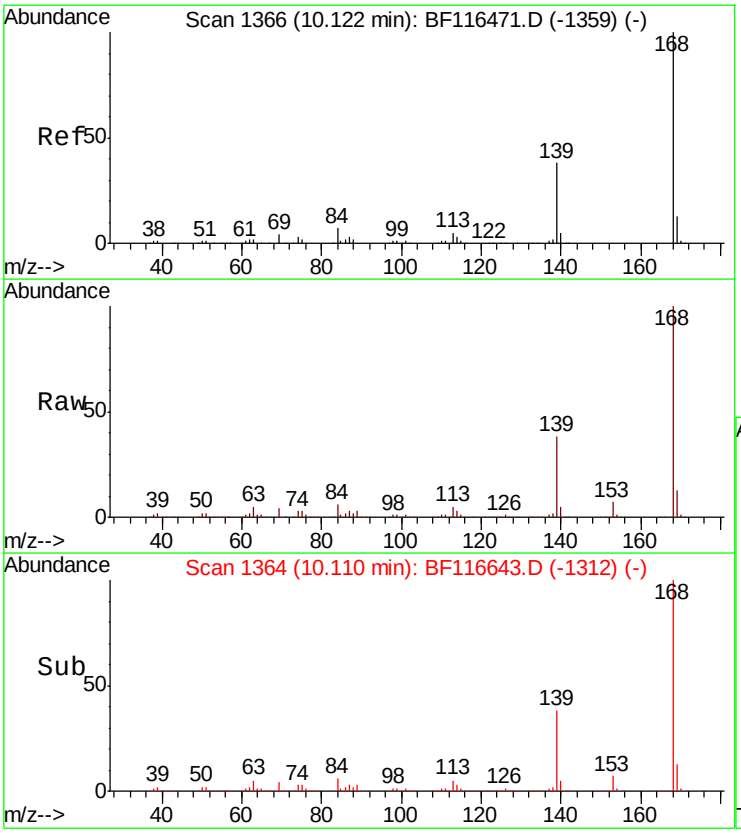
#52
Acenaphthene
Concen: 56.356 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 736750

Ion	Ratio	Lower	Upper
154	100		
153	112.5	86.6	129.8
152	51.8	39.4	59.0

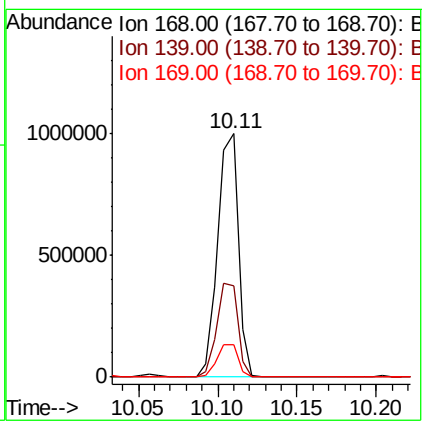


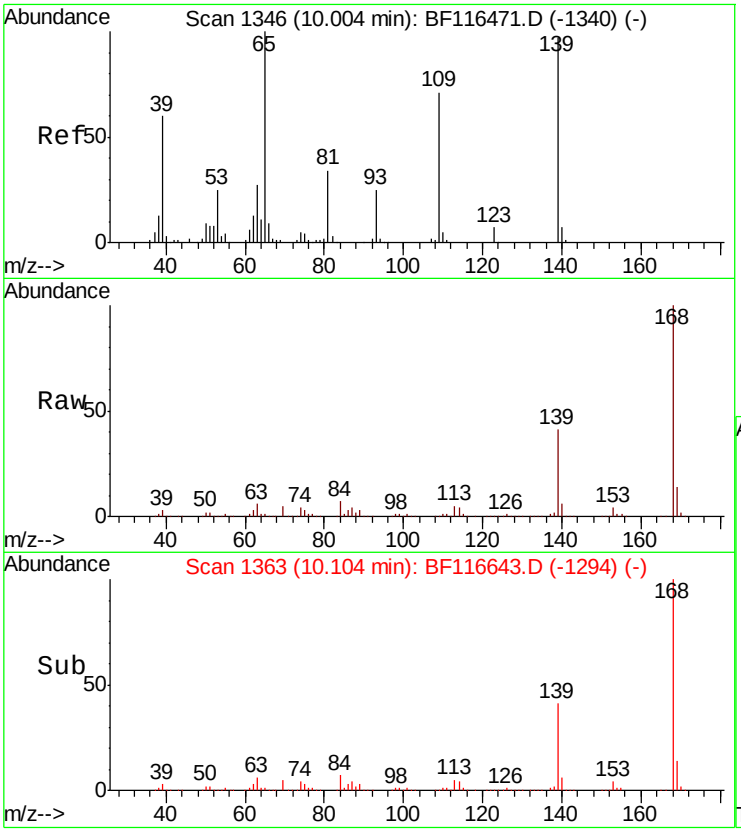


#55
Dibenzofuran
Concen: 51.437 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:168 Resp: 905546

Ion	Ratio	Lower	Upper
168	100		
139	37.5	31.3	46.9
169	13.3	11.3	16.9



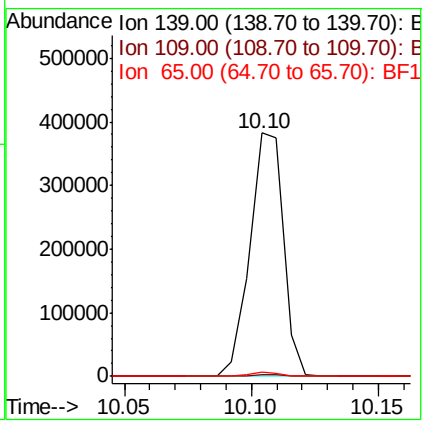


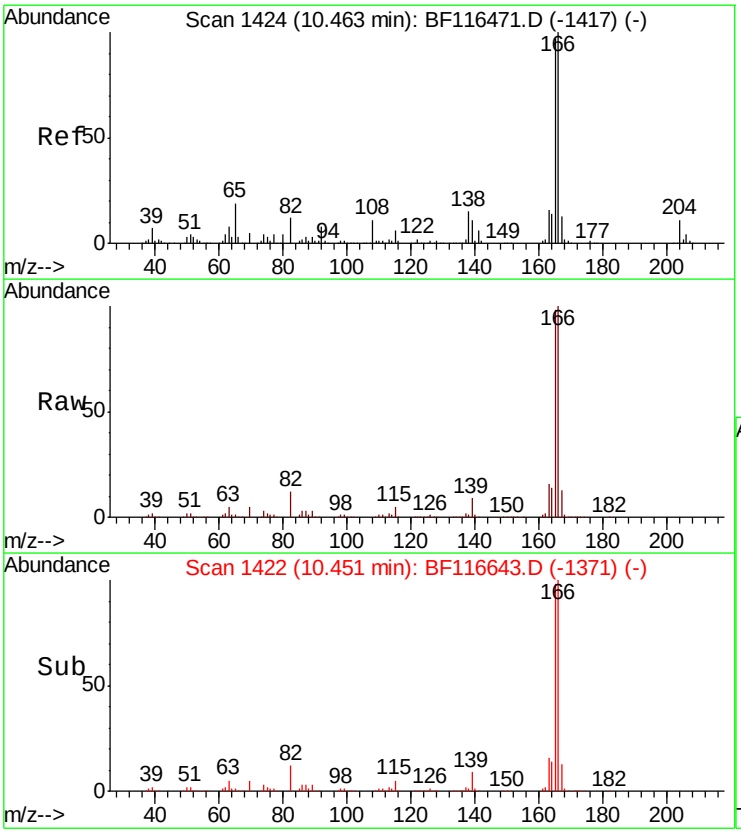
#56
4-Nitrophenol
Concen: 118.435 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.11 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 354026

Ion	Ratio	Lower	Upper
139	100		
109	0.9	45.5	85.5#
65	1.5	66.8	106.8#

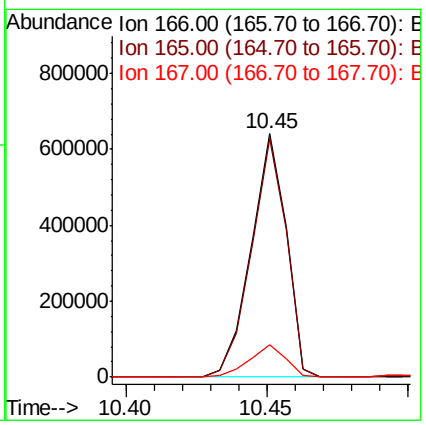


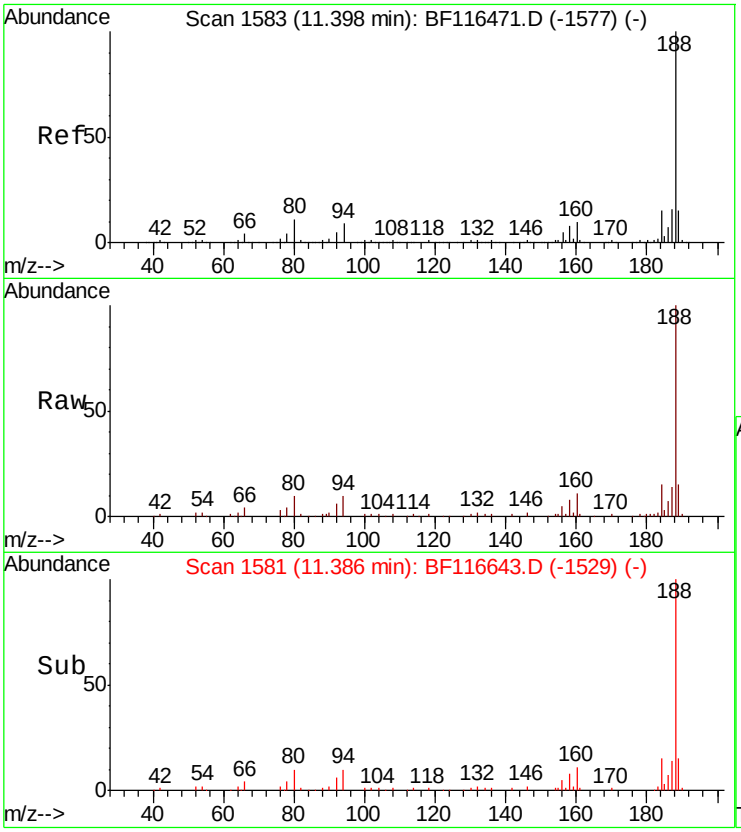


#58
Fluorene
Concen: 41.416 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:166 Resp: 553349

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.6
167	13.2	10.6	16.0



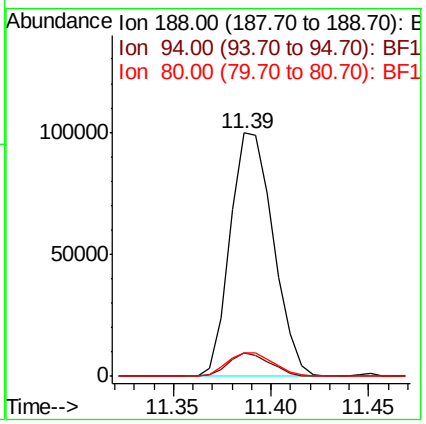


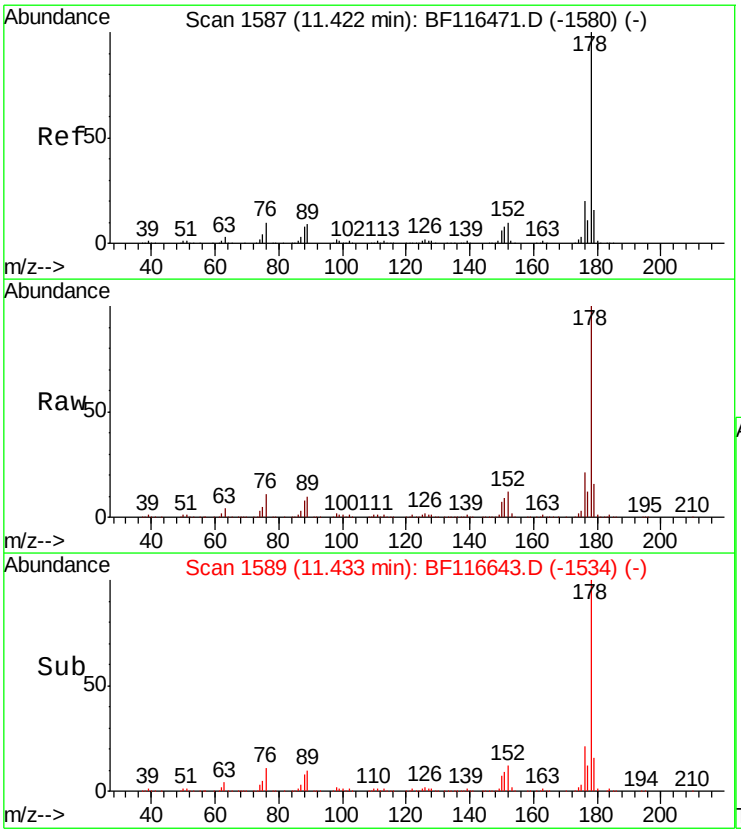
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 152475

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.4
80	9.8	8.9	13.3

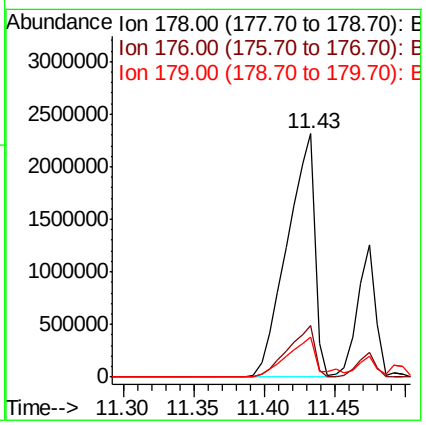


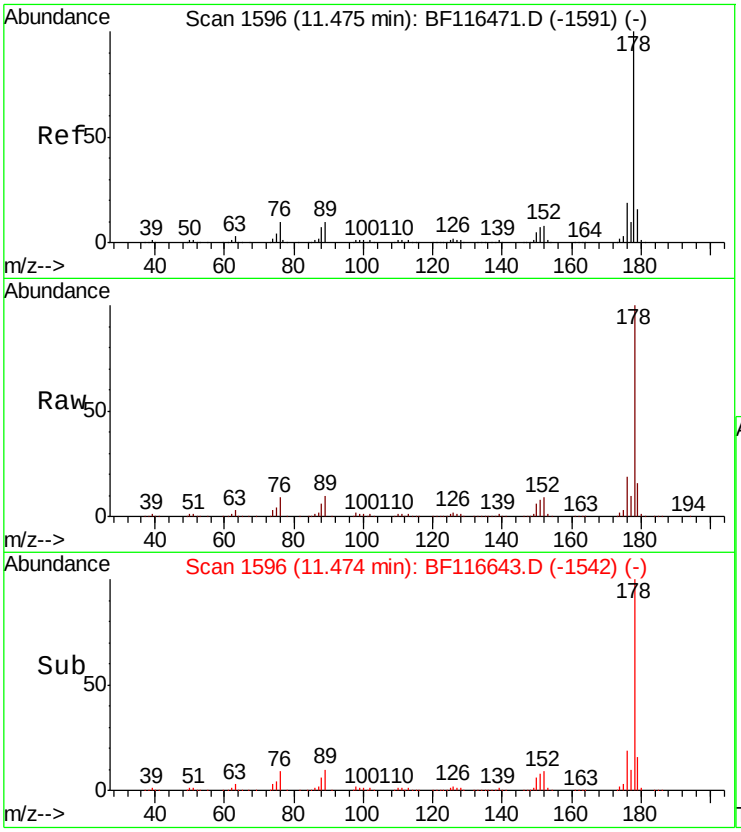


#71
Phenanthrene
Concen: 386.204 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:178 Resp: 3162922

Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.5	23.3
179	16.2	12.4	18.6



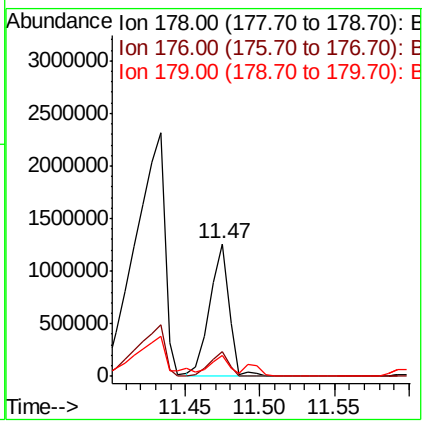


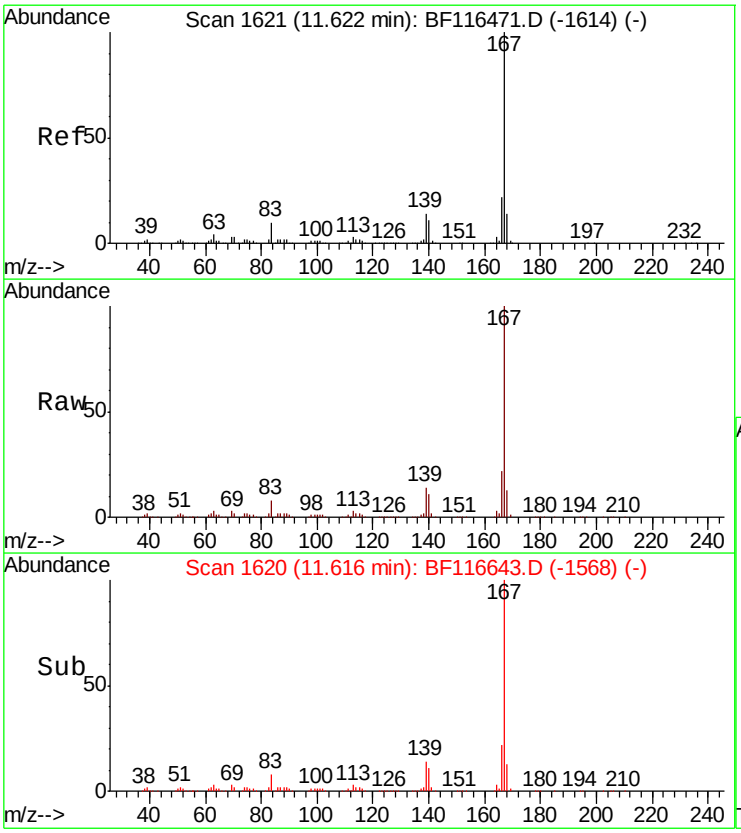
#72
Anthracene
Concen: 138.679 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1135628

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.5	12.7	19.1

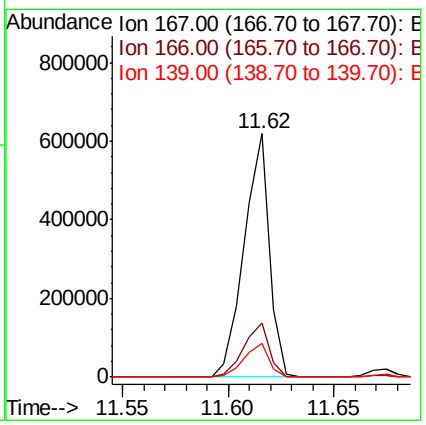


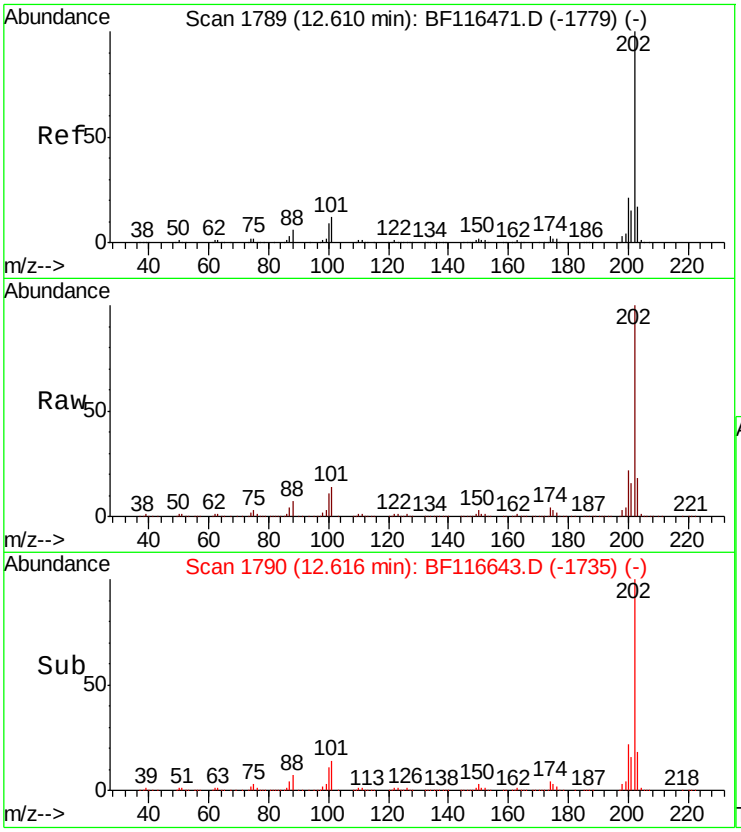


#73
Carbazole
Concen: 73.982 ng
RT: 11.62 min Scan# 1620
Delta R.T. 0.01 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:167 Resp: 515618

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.9	26.9
139	14.1	10.3	15.5



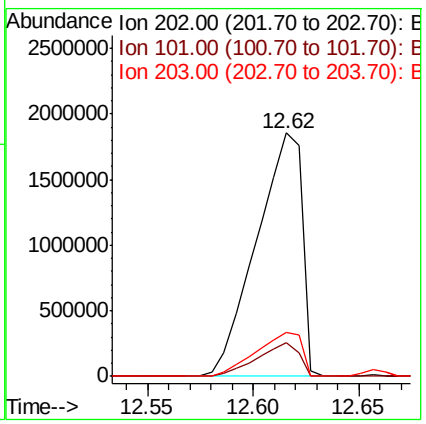


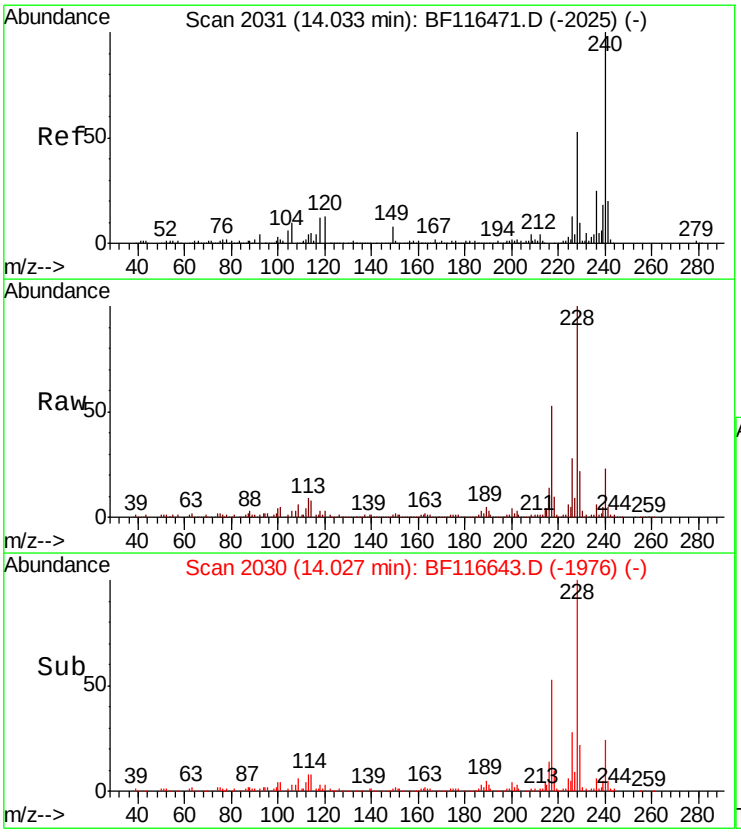
#75
Fluoranthene
Concen: 379.383 ng
RT: 12.62 min Scan# 1790
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 2786563

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	31.8
203	18.3	0.0	37.1

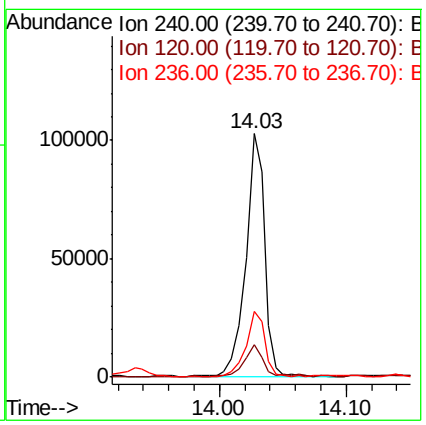


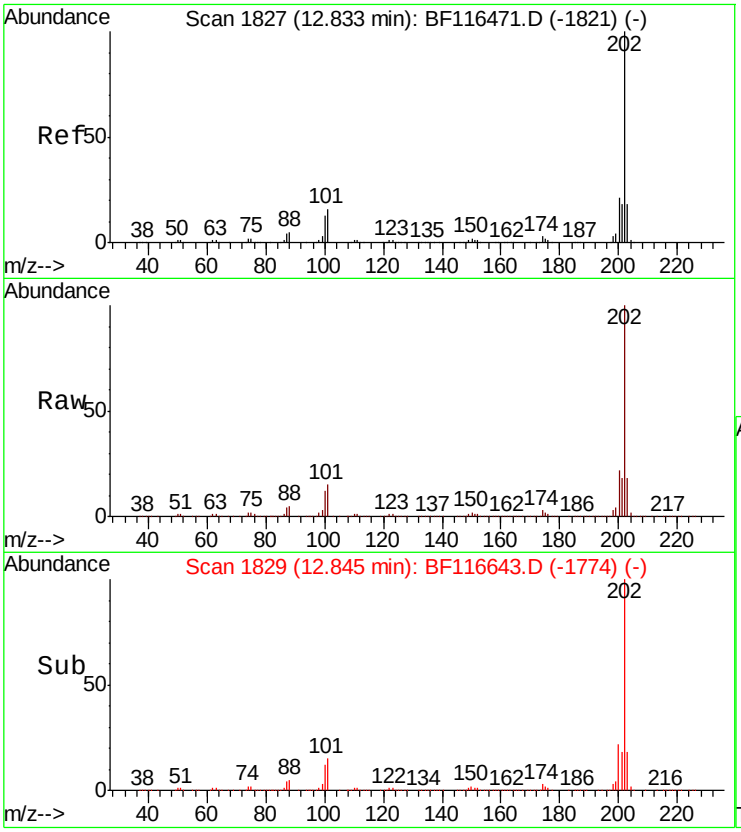


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:240 Resp: 105547

Ion	Ratio	Lower	Upper
240	100		
120	13.1	11.3	16.9
236	27.1	21.4	32.2



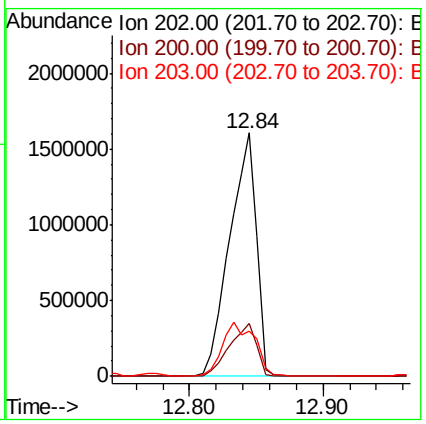


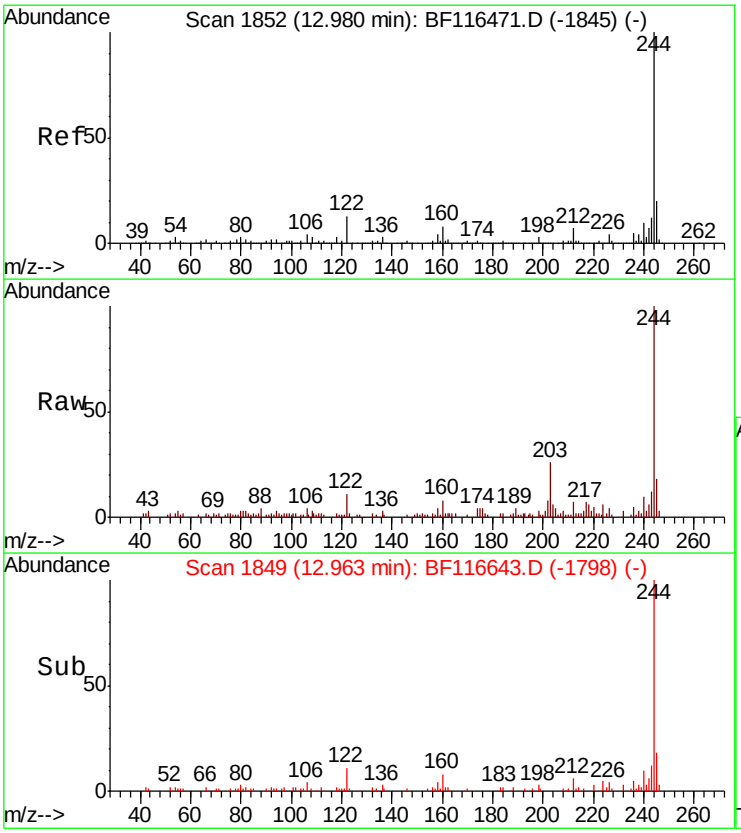
#78
Pyrene
Concen: 231.530 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 2247107

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.0
203	18.4	14.2	21.4

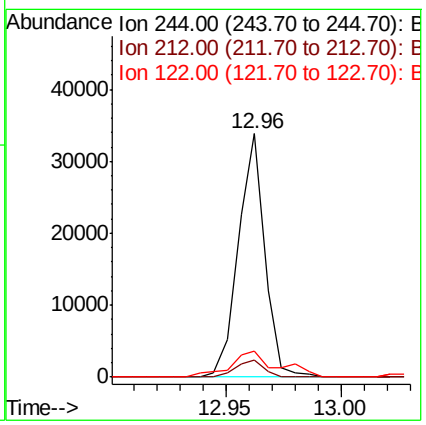


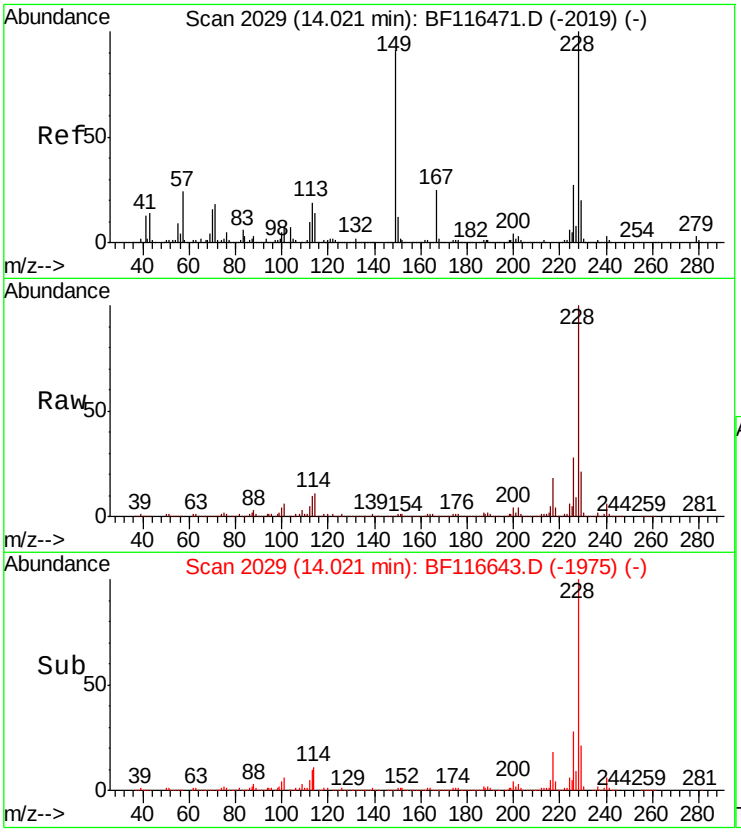


#79
Terphenyl-d14
Concen: 4.157 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:244 Resp: 26978

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.9	10.0	15.0



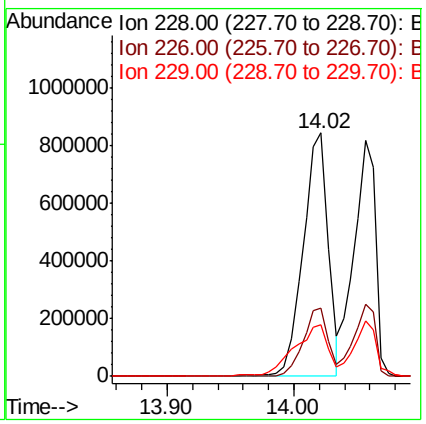


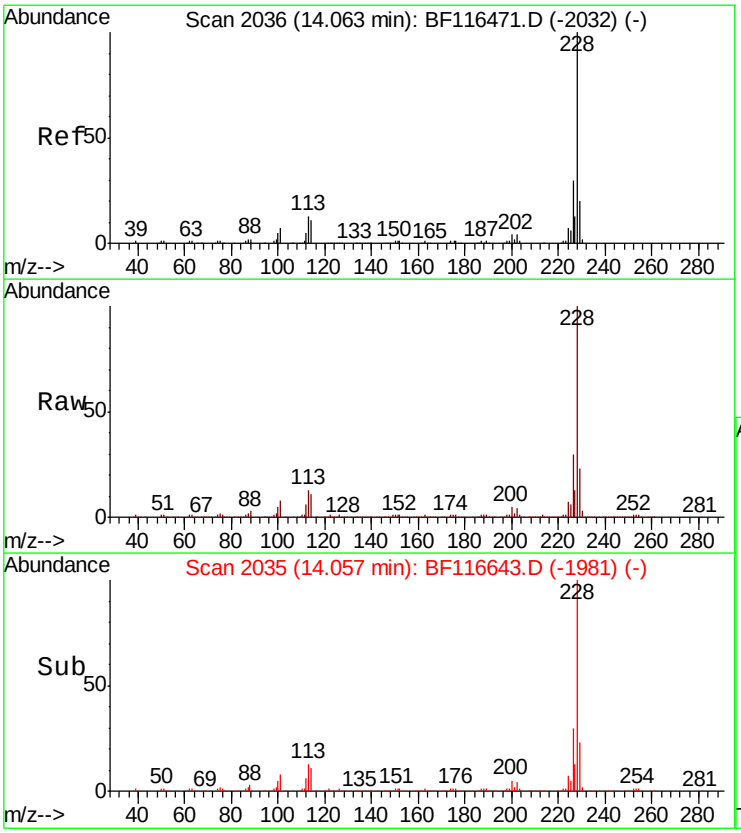
#81
Benzo(a)anthracene
Concen: 164.407 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 1156917

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.5	32.3
229	21.1	15.4	23.0

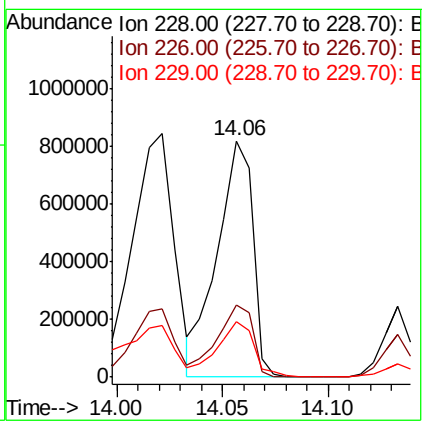


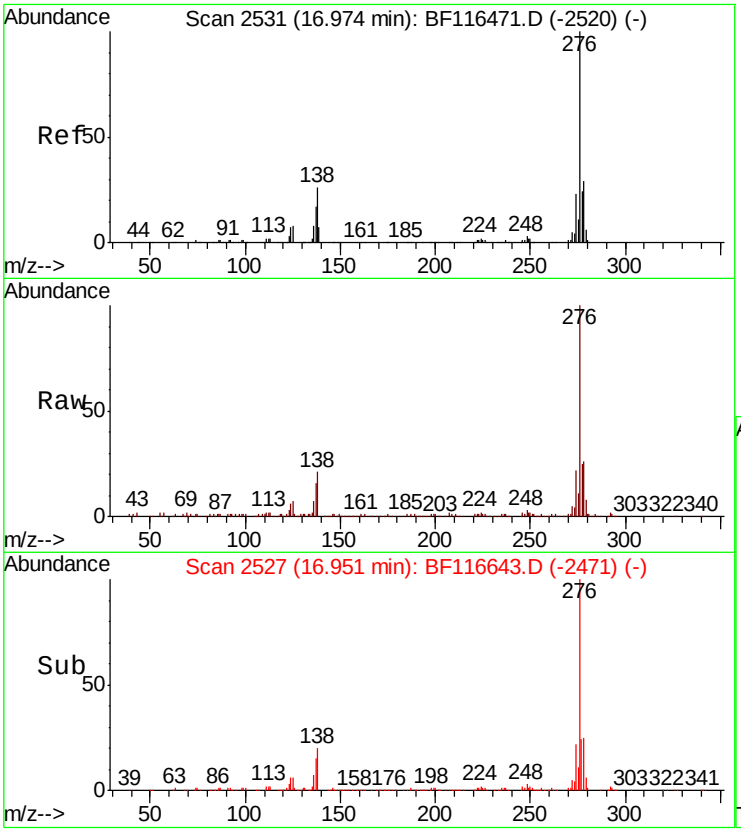


#83
Chrysene
Concen: 138.020 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:228 Resp: 950806

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	23.3	15.8	23.8



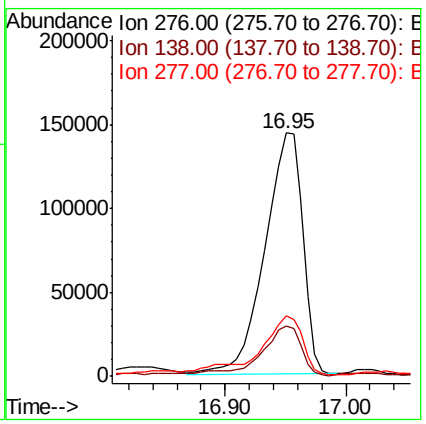


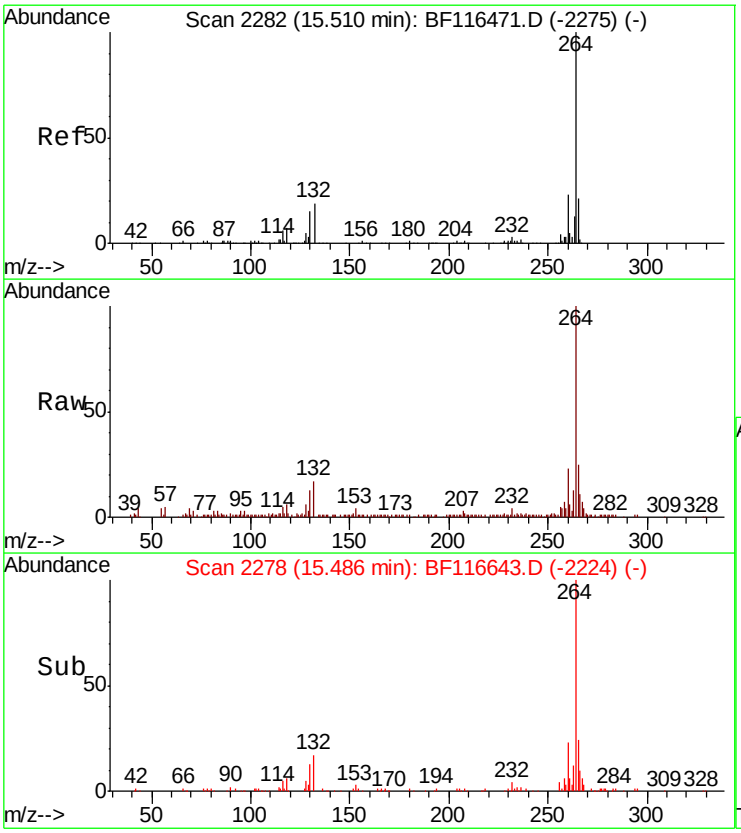
#86
Indeno(1,2,3-cd)pyrene
Concen: 50.672 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.03 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 311286

Ion	Ratio	Lower	Upper
276	100		
138	21.5	21.5	32.3#
277	23.8	20.0	30.0

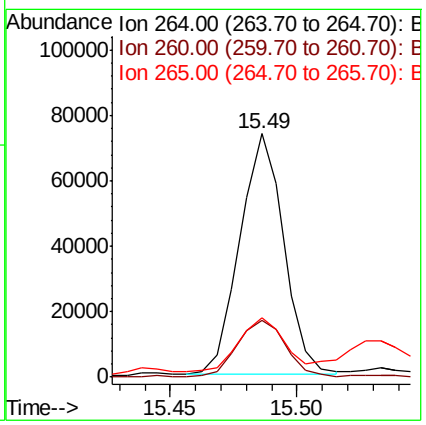


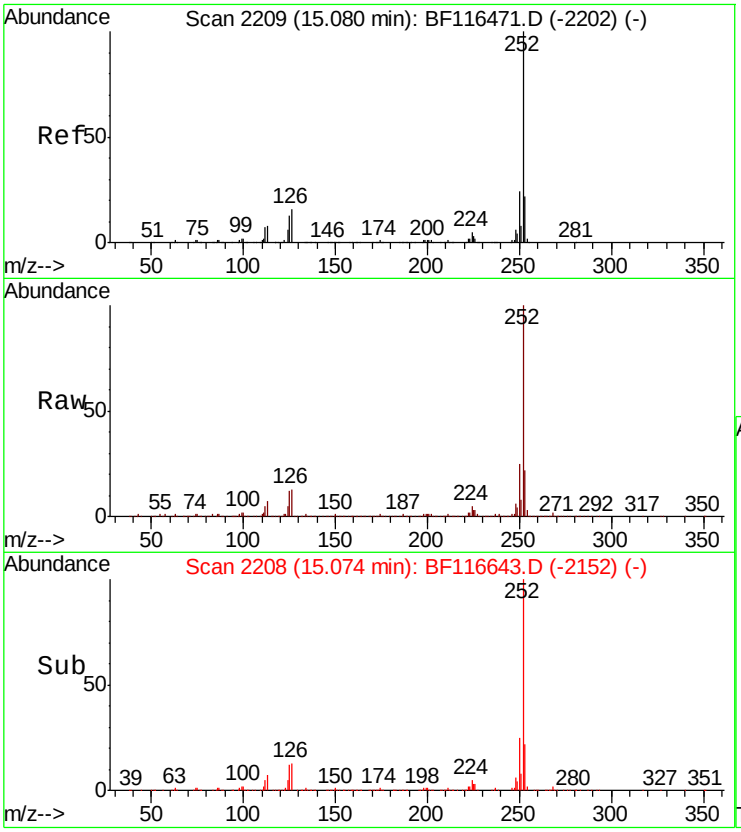


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:264 Resp: 89463

Ion	Ratio	Lower	Upper
264	100		
260	23.1	20.0	30.0
265	24.6	17.6	26.4



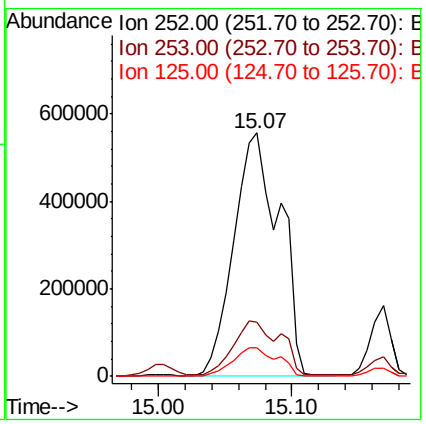


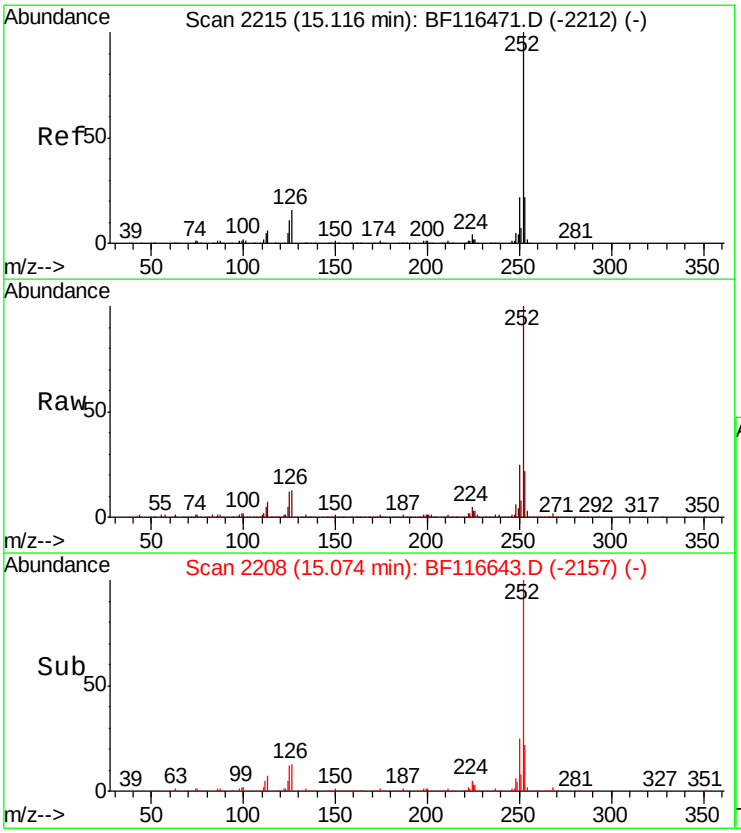
#88
Benzo(b)fluoranthene
Concen: 241.815 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.03 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1328510

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	11.8	9.0	13.6

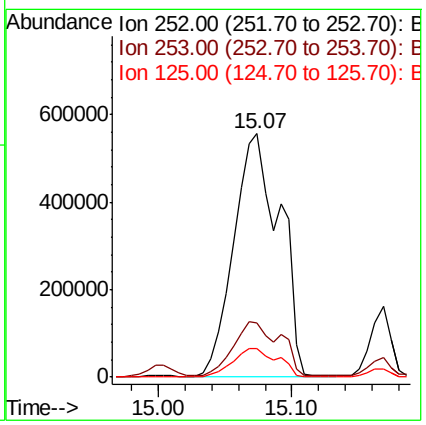


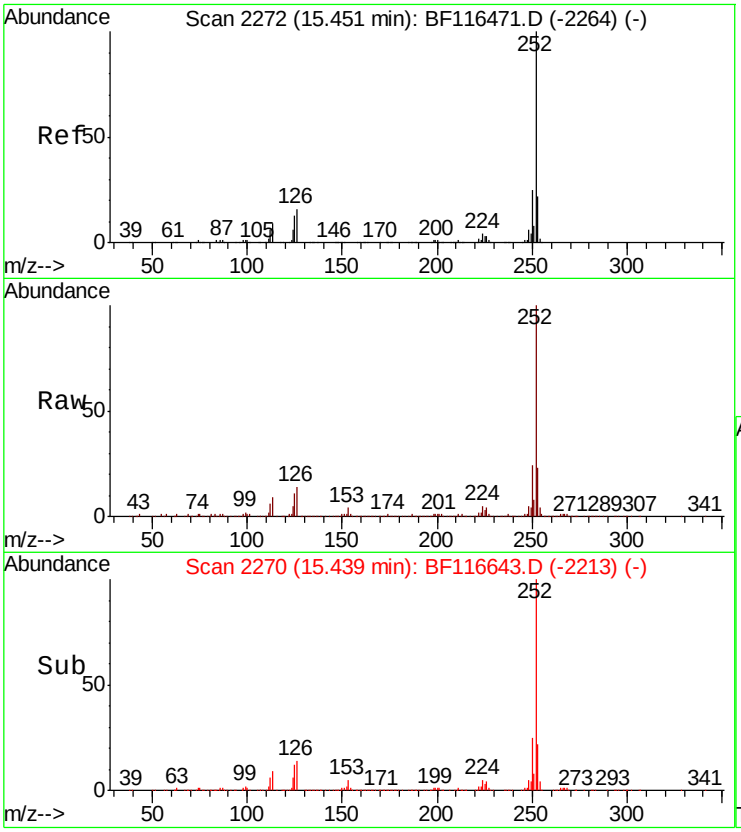


#89
Benzo(k)fluoranthene
Concen: 254.395 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:252 Resp: 1328510

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.8	8.6	13.0



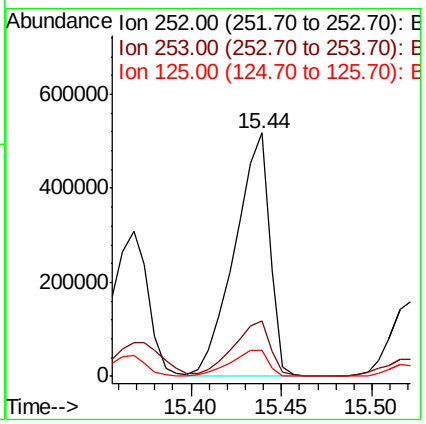


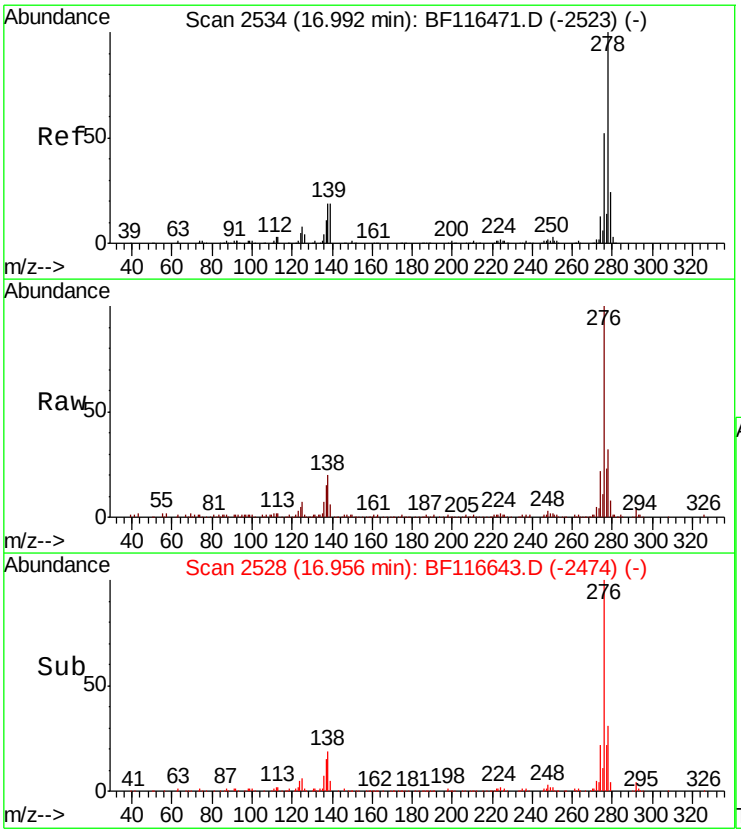
#90
Benzo(a)pyrene
Concen: 141.326 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.04 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 692961

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	10.9	10.6	16.0

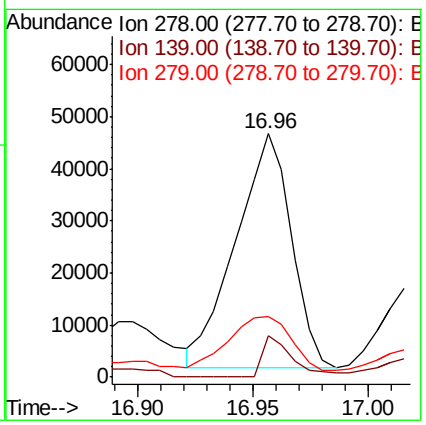


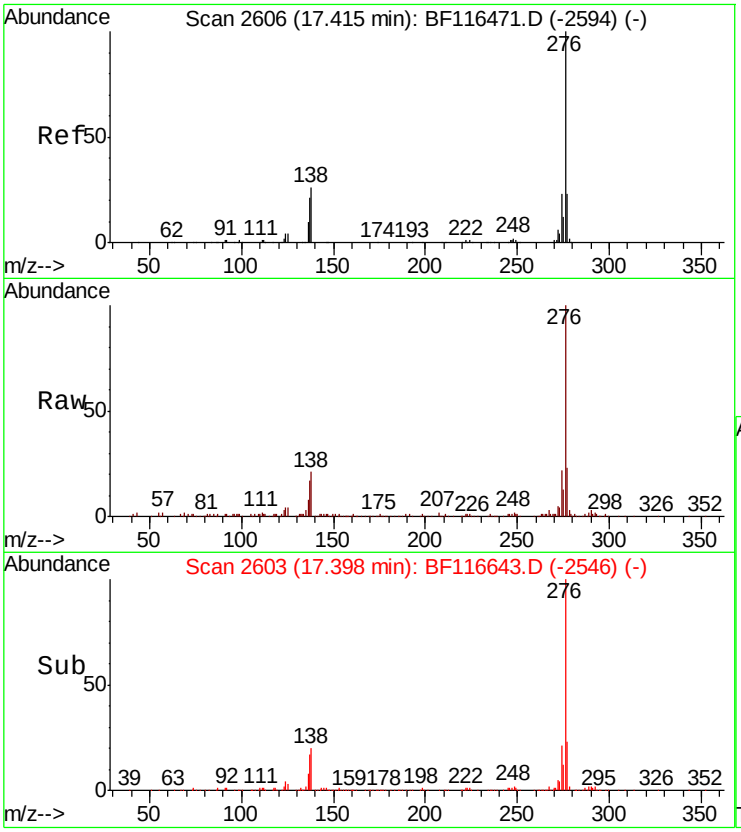


#91
Dibenzo(a,h)anthracene
Concen: 16.391 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:278 Resp: 74993

Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.1	21.1
279	24.7	19.5	29.3





#92
Benzo(g,h,i)perylene
Concen: 59.535 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.04 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 283226

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	20.7	18.2	27.2