Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116635.D
Acq On : 29 Aug 2019 00:35
Operator : HP/JU
Sample : K4573-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 29 03:34:57 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	6.86	152	89394	20.00	ng		0.00
21) Naphthalene-d8	8.15	136	385284	20.00	ng		0.00
39) Acenaphthene-d10	9.90	164	96204	20.00	ng		0.00
64) Phenanthrene-d10	11.37	188	166505	20.00	ng		0.00
76) Chrysene-d12	14.01	240	95902	20.00	ng		0.00
87) Perylene-d12	15.47	264	112591	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	505461	97.66	ng		0.00
7) Phenol-d6	6.49	99	691343	98.53	ng		0.00
23) Nitrobenzene-d5	7.42	82	469625	69.75	ng		0.00
42) 2,4,6-Tribromophenol	10.68	330	96125	105.00	ng		0.00
45) 2-Fluorobiphenyl	9.22	172	439867	76.09	ng		0.00
79) Terphenyl-d14	12.96	244	407626	69.13	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.41	77	1127	Below Cal			100
10) Phenol	6.50	94	36983	4.805	ng		97
19) n-Nitroso-di-n-propylamine	7.42	70	62305	13.963	ng	#	77
25) Isophorone	7.42	82	469699	38.319	ng	#	65
50) Dimethylphthalate	9.60	163	36012	5.568	ng		99
51) 2,6-Dinitrotoluene	9.90	165	12719	8.918	ng	#	28
57) 2,4-Dinitrotoluene	9.90	165	12719	6.759	ng	#	25
67) 4-Bromophenyl-phenylether	10.68	248	6483	3.671	ng	#	1
71) Phenanthrene	11.40	178	136043	15.212	ng		99
72) Anthracene	11.45	178	26828	3.000	ng		97
73) Carbazole	11.60	167	17512	2.301	ng		97
75) Fluoranthene	12.59	202	228610	28.502	ng		99
78) Pyrene	12.82	202	181745	20.609	ng		97
81) Benzo(a)anthracene	14.00	228	78151	12.223	ng		97
83) Chrysene	14.03	228	85267	13.622	ng		98
86) Indeno(1,2,3-cd)pyrene	16.91	276	73807	17.558	ng		94
88) Benzo(b)fluoranthene	15.04	252	158336	22.900	ng		98
89) Benzo(k)fluoranthene	15.04	252	158336	24.091	ng		98
90) Benzo(a)pyrene	15.40	252	73042	11.837	ng		97
91) Dibenzo(a,h)anthracene	16.92	278	20500	3.560	ng		97
92) Benzo(g,h,i)perylene	17.35	276	60953	10.181	ng		97

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

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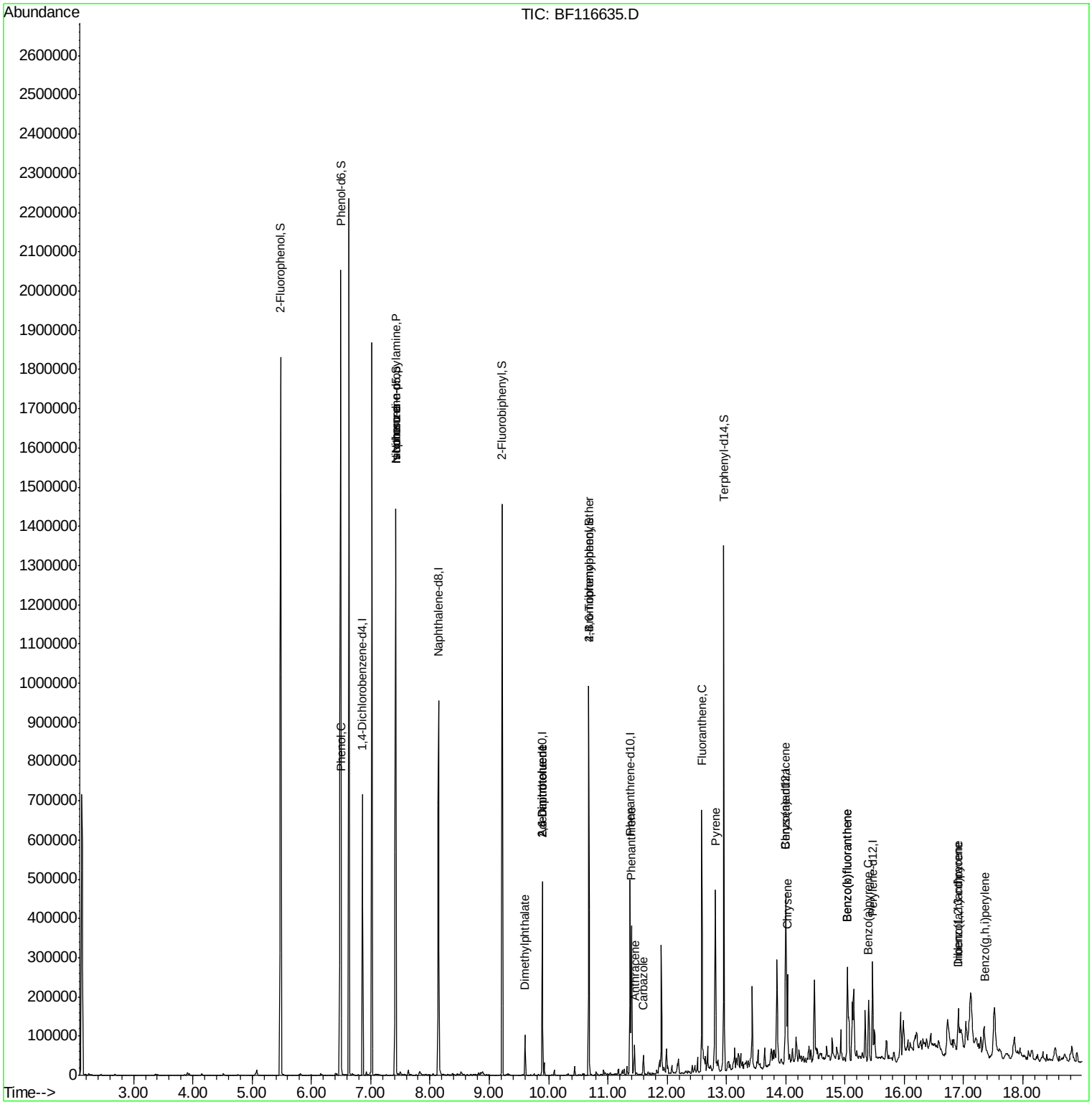
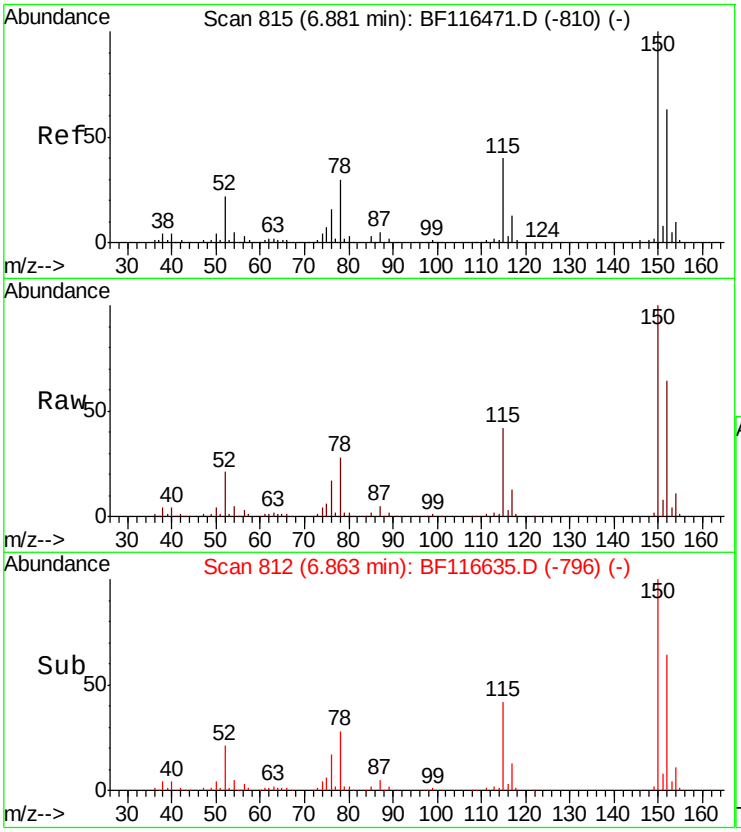


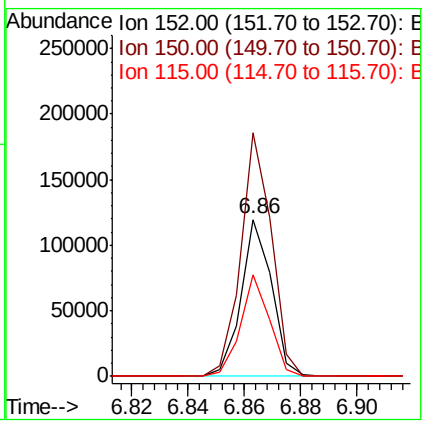


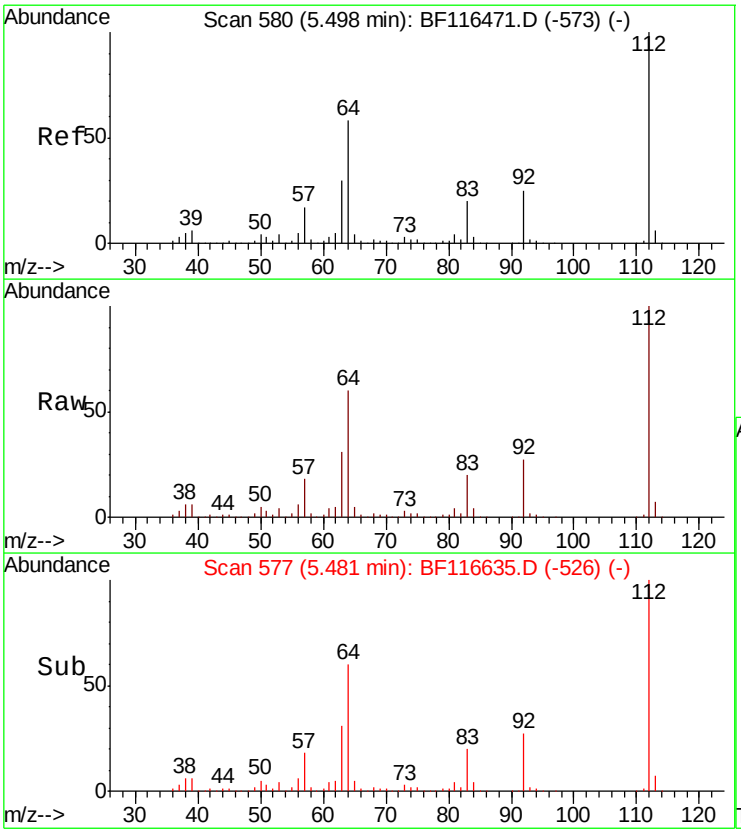
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 89394

Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.4	185.2
115	64.5	48.2	72.2

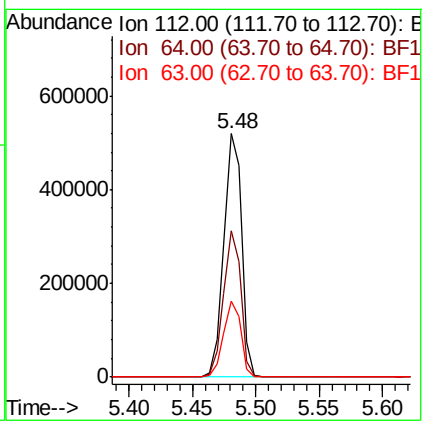


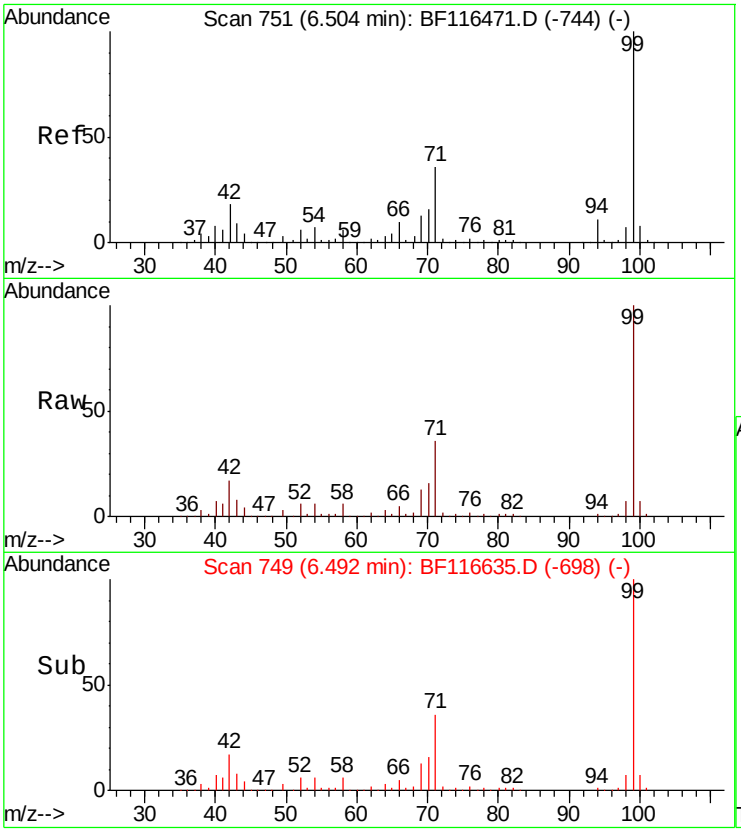


#5
2-Fluorophenol
Concen: 97.663 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:112 Resp: 505461

Ion	Ratio	Lower	Upper
112	100		
64	60.3	48.0	72.0
63	31.3	24.6	36.8



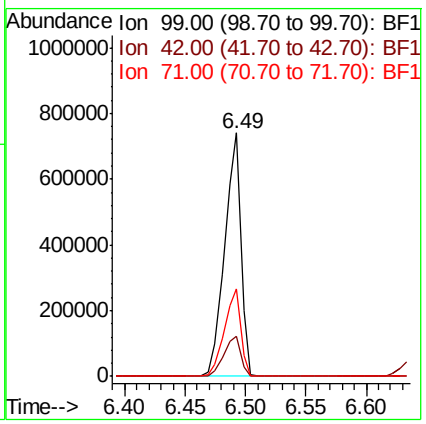


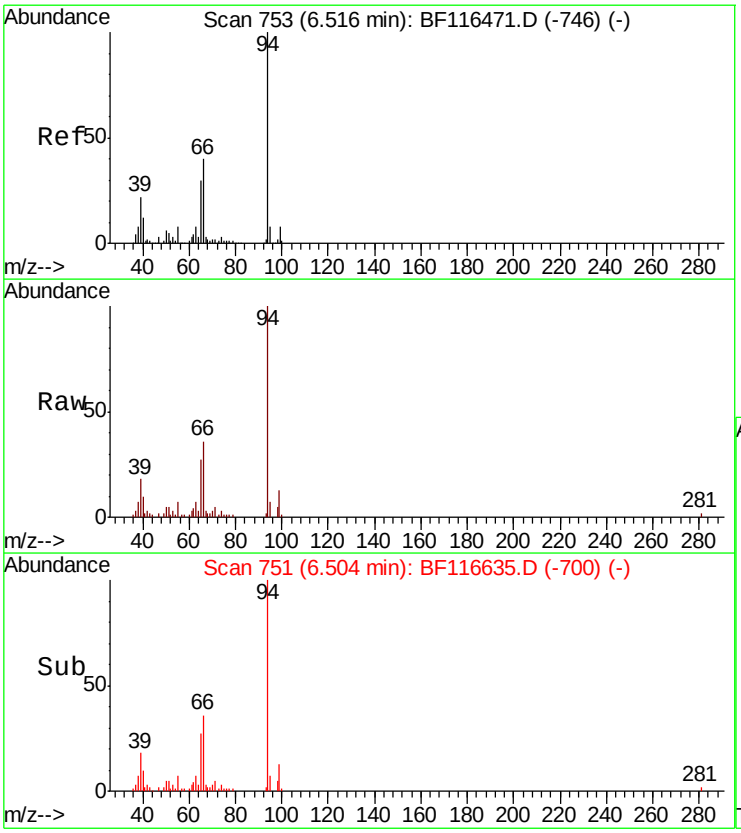
#7
Phenol-d6
Concen: 98.527 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 691343

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.2	19.8
71	36.0	27.4	41.2

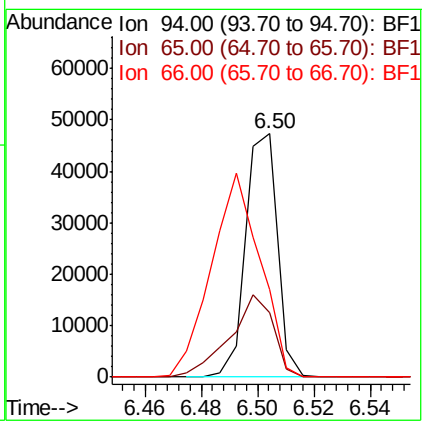


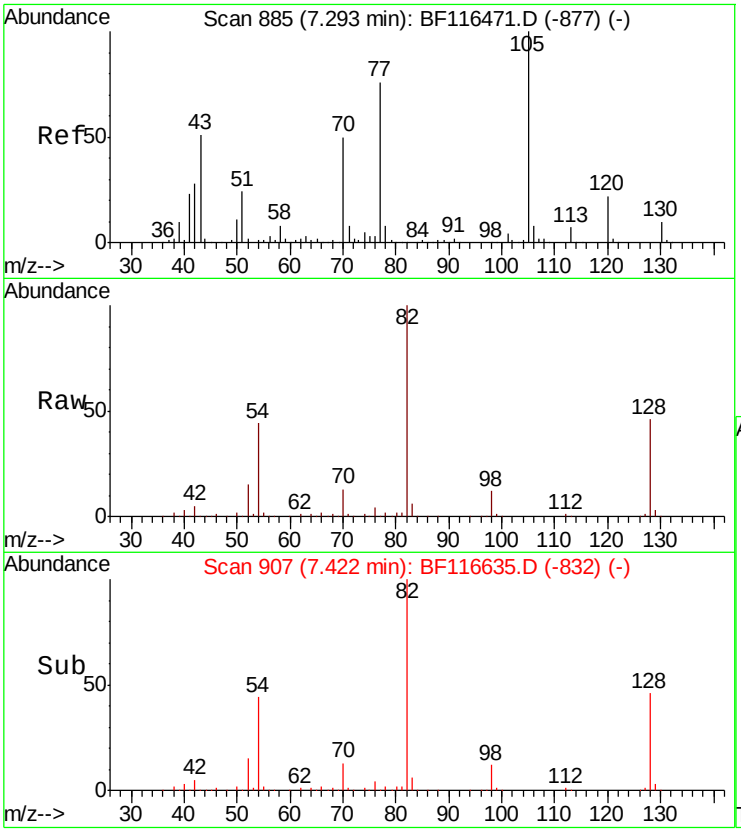


#10
Phenol
Concen: 4.805 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion: 94 Resp: 36983

Ion	Ratio	Lower	Upper
94	100		
65	26.5	8.6	48.6
66	36.2	18.0	58.0



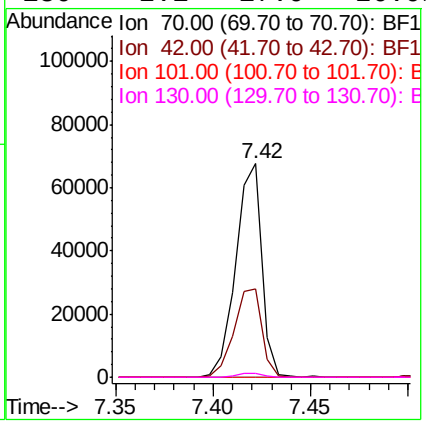


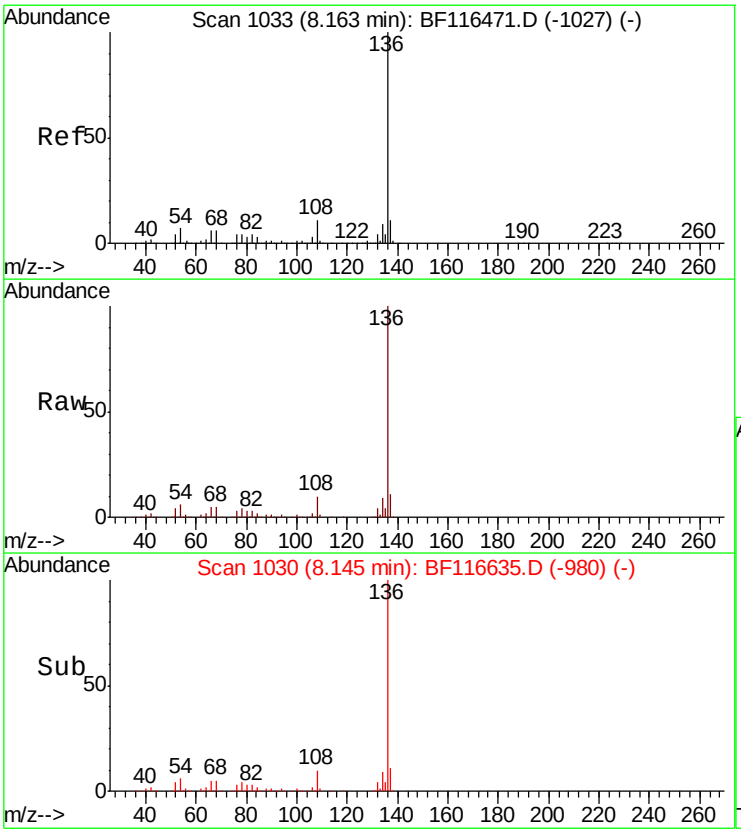
#19
n-Nitroso-di-n-propylamine
Concen: 13.963 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 62305

Ion	Ratio	Lower	Upper
70	100		
42	41.4	41.2	61.8
101	0.0	7.7	11.5#
130	2.1	17.9	26.9#

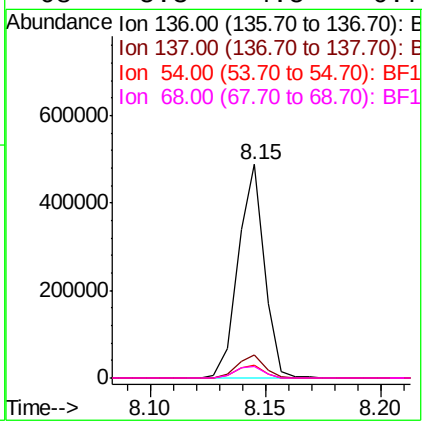


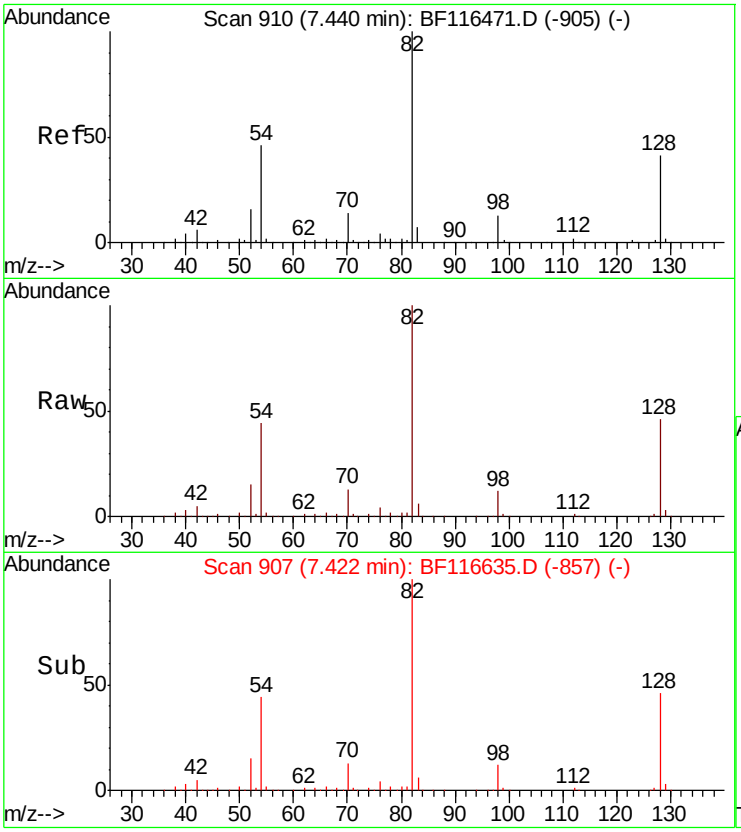


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:136 Resp: 385284

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	6.3	5.0	7.4
68	5.3	4.5	6.7



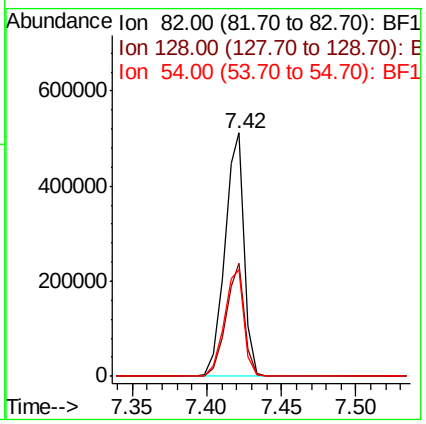


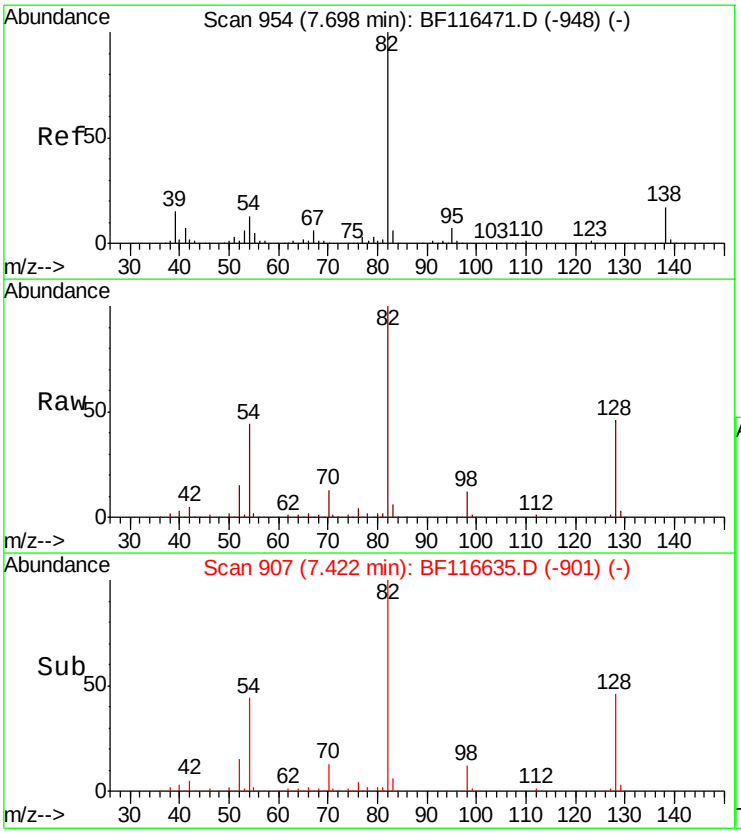
#23
Nitrobenzene-d5
Concen: 69.746 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 469625

Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.0	52.6
54	43.7	34.4	51.6

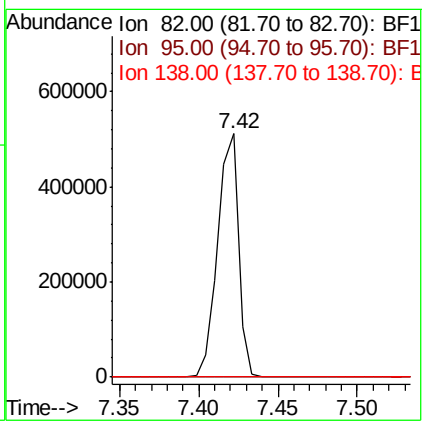


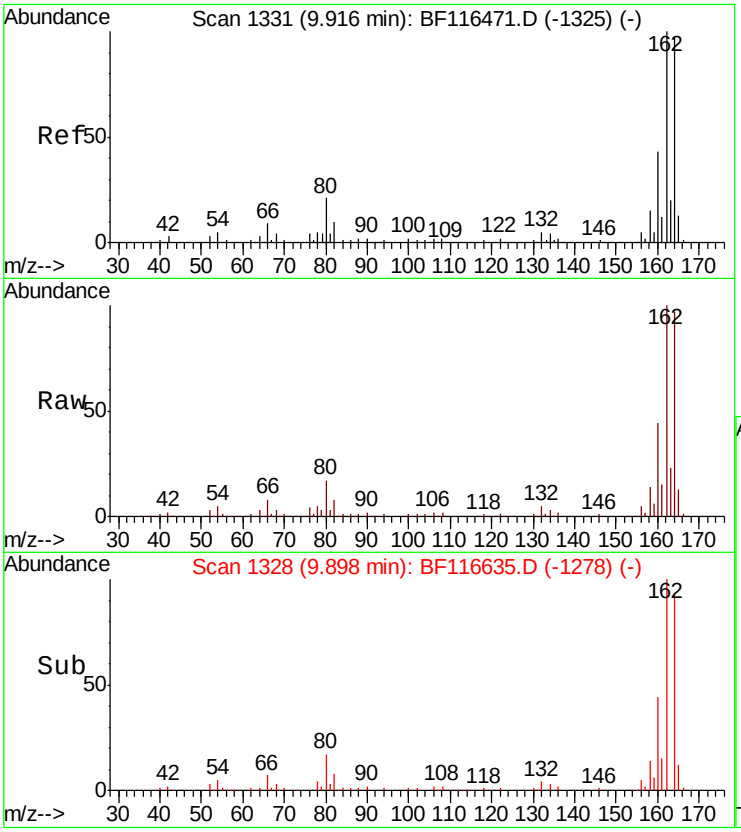


#25
Isophorone
Concen: 38.319 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion: 82 Resp: 469699

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



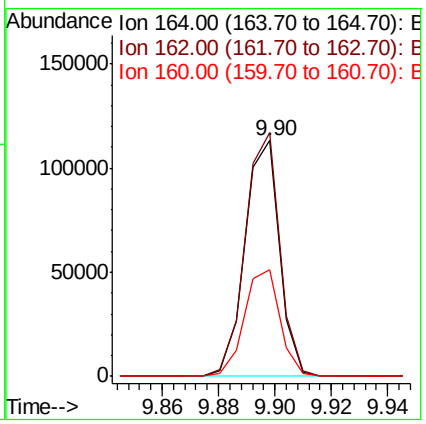


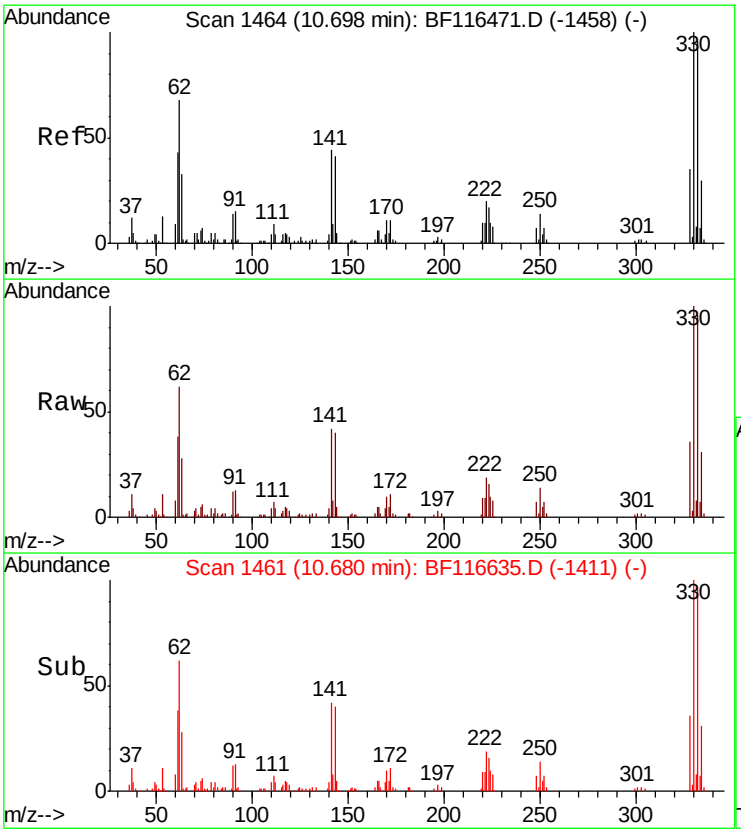
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 96204

Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.4	125.0
160	45.1	37.0	55.4

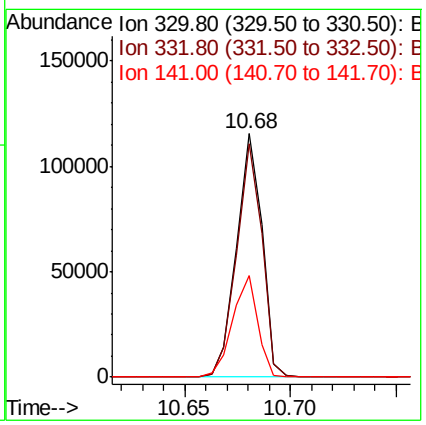


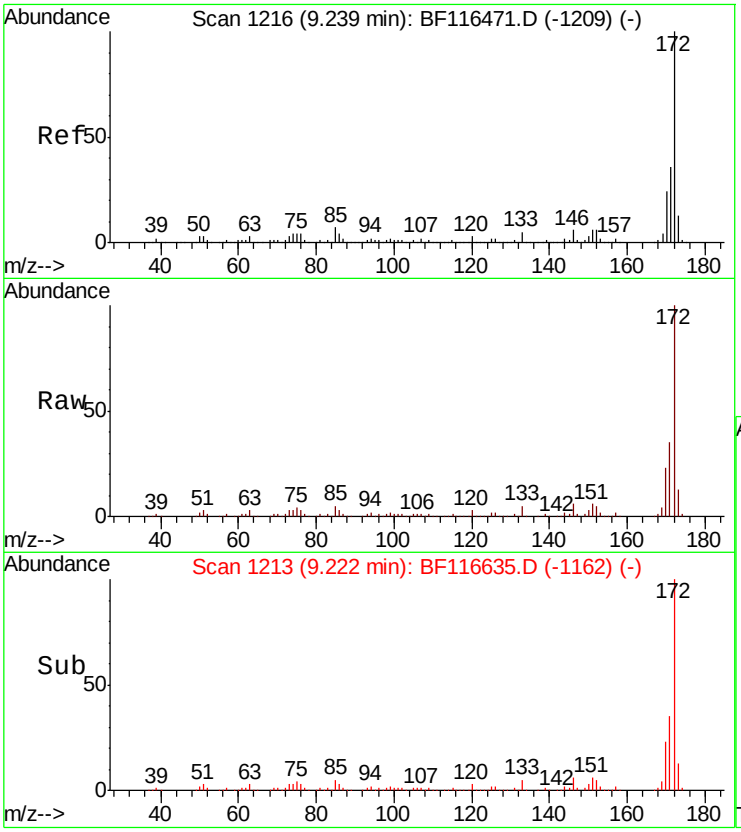


#42
2,4,6-Tribromophenol
Concen: 104.999 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:330 Resp: 96125

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.5	116.3
141	40.8	28.2	42.2



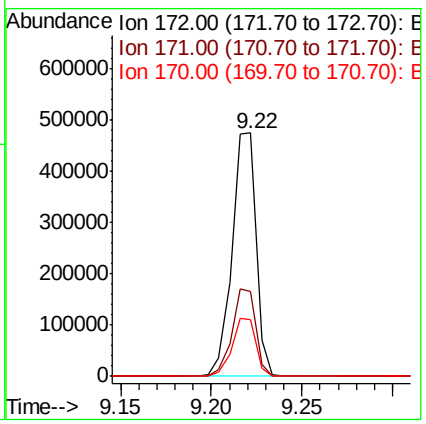


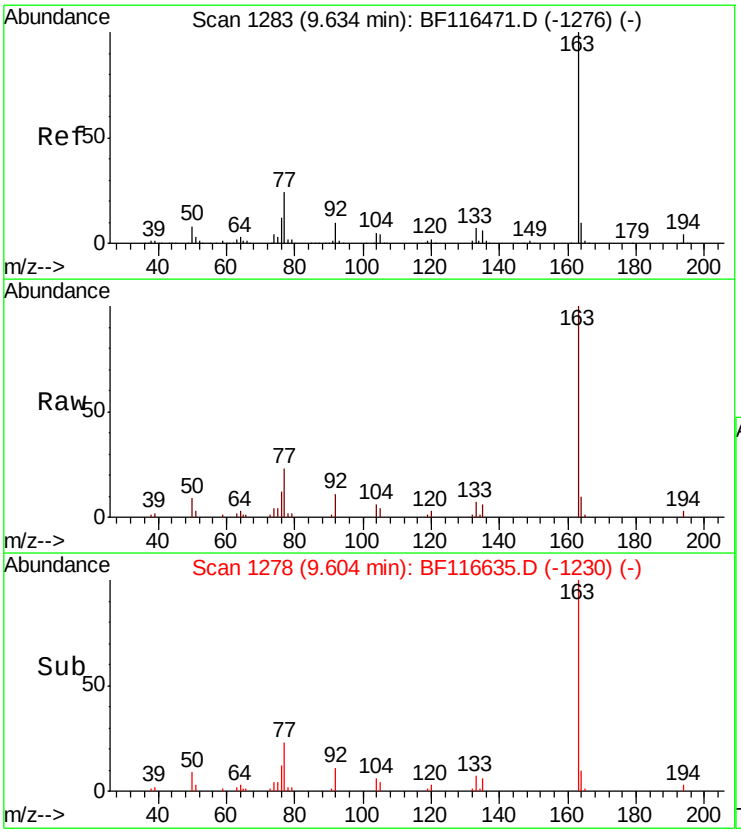
#45
2-Fluorobiphenyl
Concen: 76.091 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 439867

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.6
170	23.3	19.3	28.9

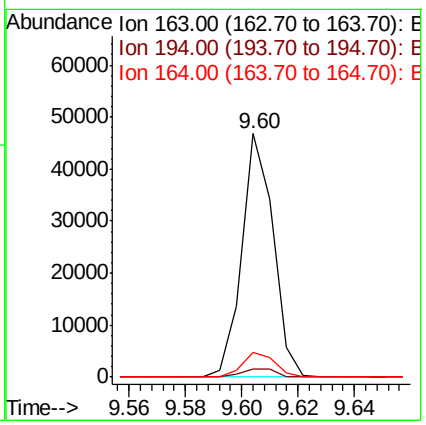


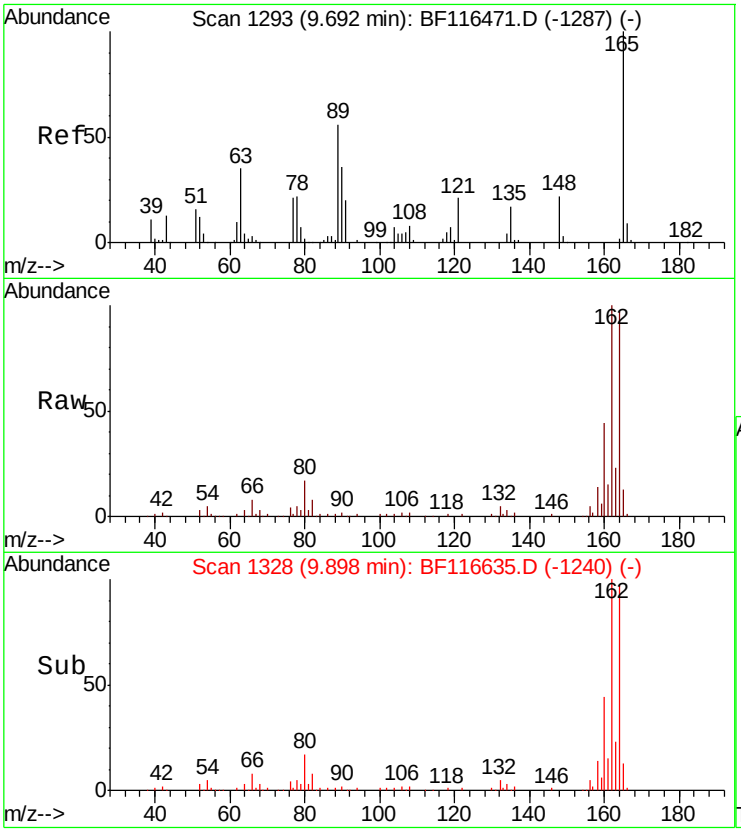


#50
Dimethylphthalate
Concen: 5.568 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:163 Resp: 36012

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.6
164	10.0	8.2	12.2



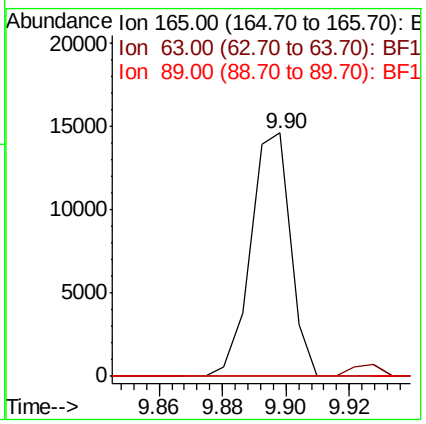


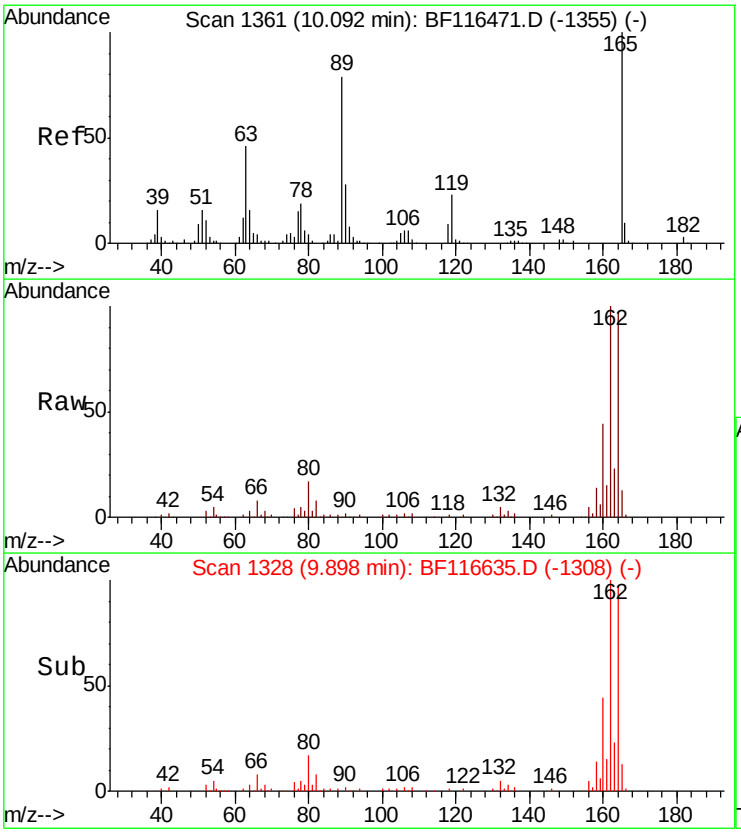
#51
2,6-Dinitrotoluene
Concen: 8.918 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.22 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 12719

Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.2	55.8#
89	0.0	40.8	61.2#

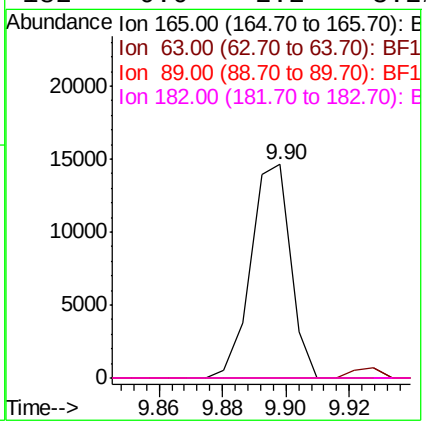


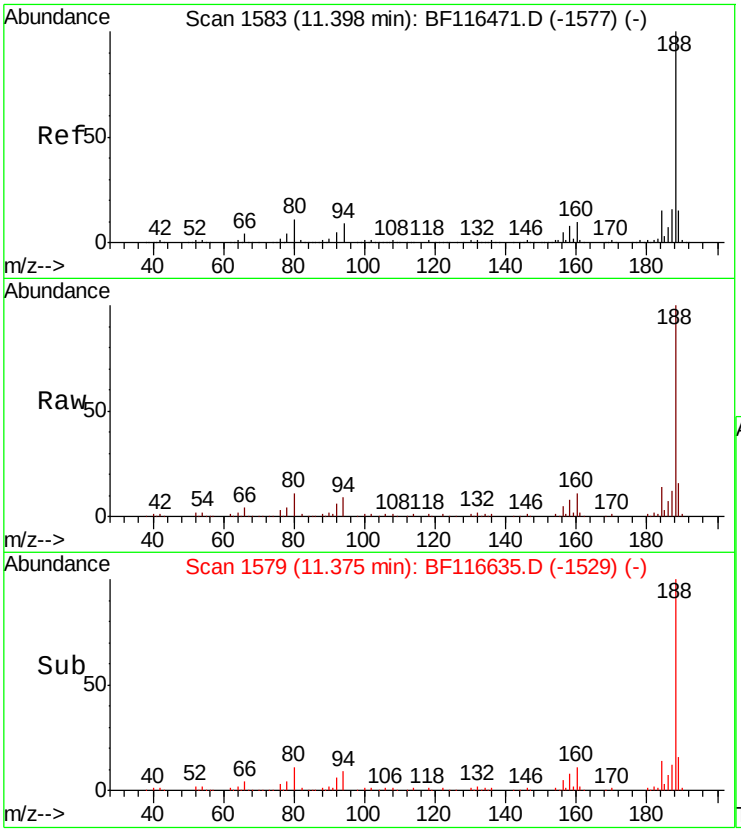


#57
2,4-Dinitrotoluene
Concen: 6.759 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.18 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:165 Resp: 12719

Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.9	46.3#
89	0.0	55.0	82.6#
182	0.0	2.2	3.2#



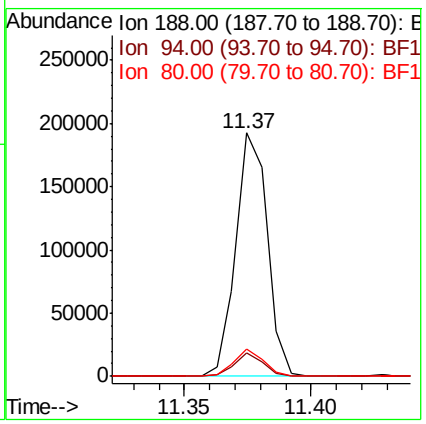


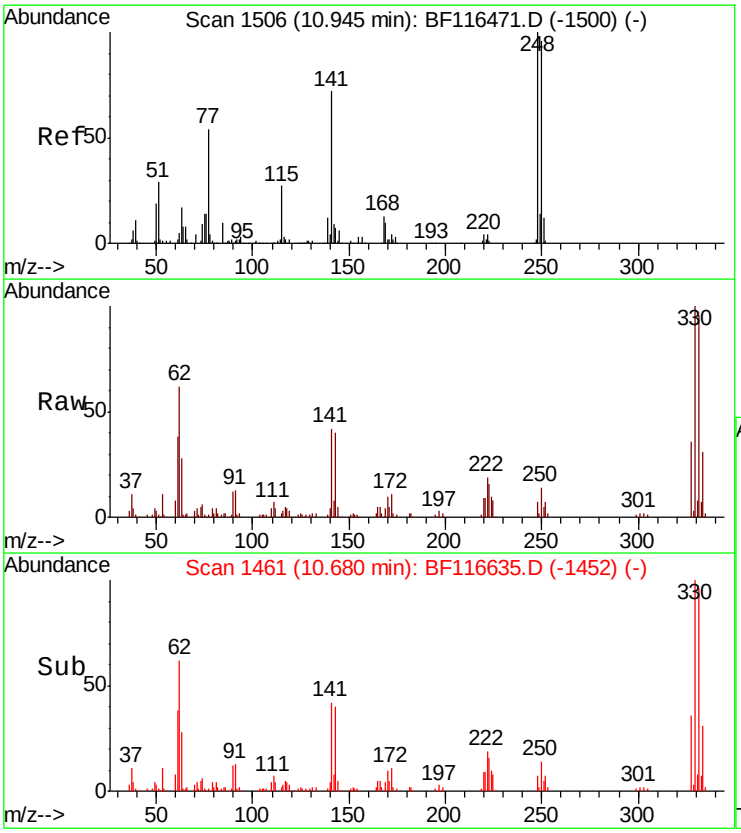
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 166505

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.2	12.4
80	11.0	8.9	13.3

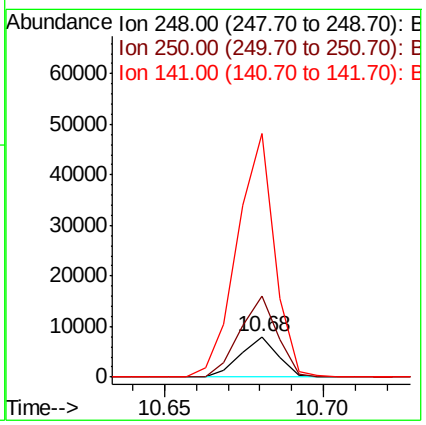


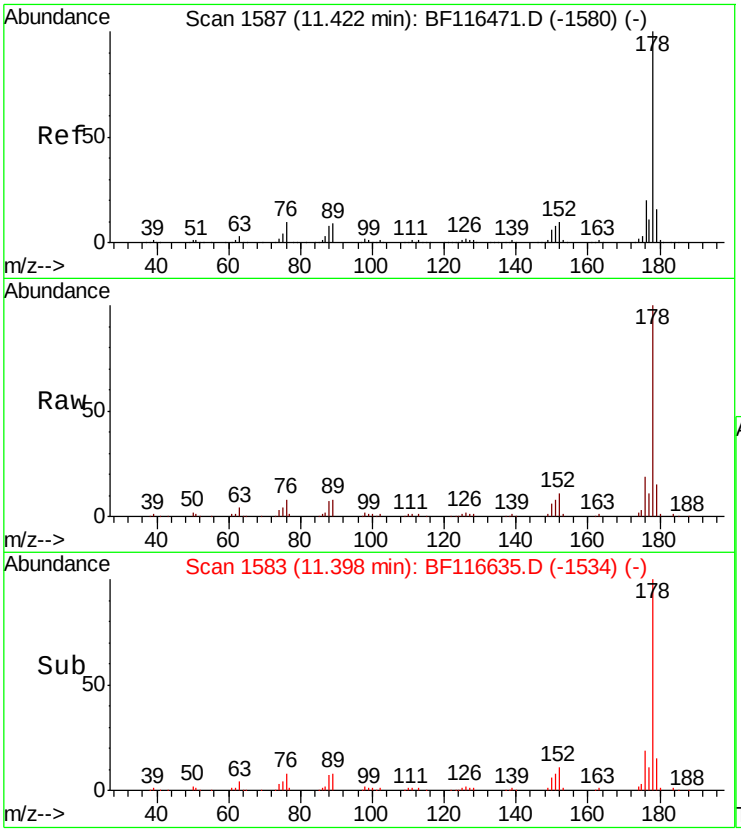


#67
4-Bromophenyl-phenylether
Concen: 3.671 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:248 Resp: 6483

Ion	Ratio	Lower	Upper
248	100		
250	201.1	76.6	115.0#
141	602.0	60.8	91.2#



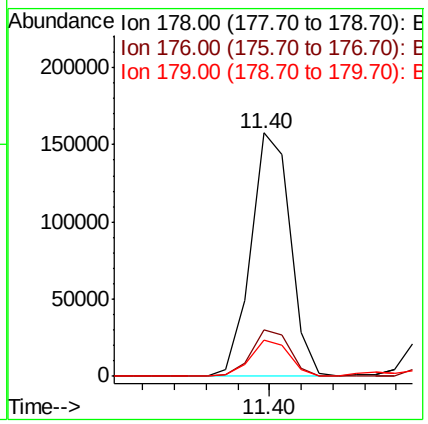


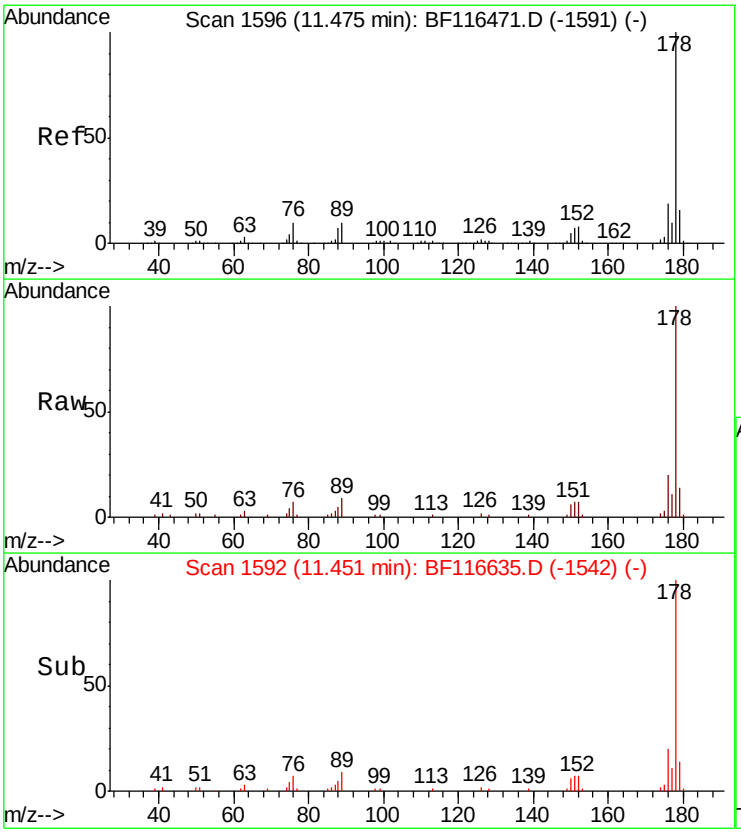
#71
Phenanthrene
Concen: 15.212 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 136043

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.0	12.4	18.6

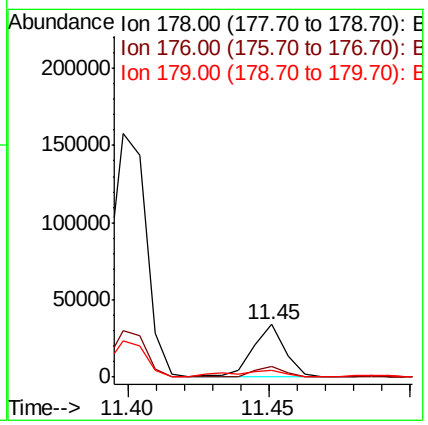


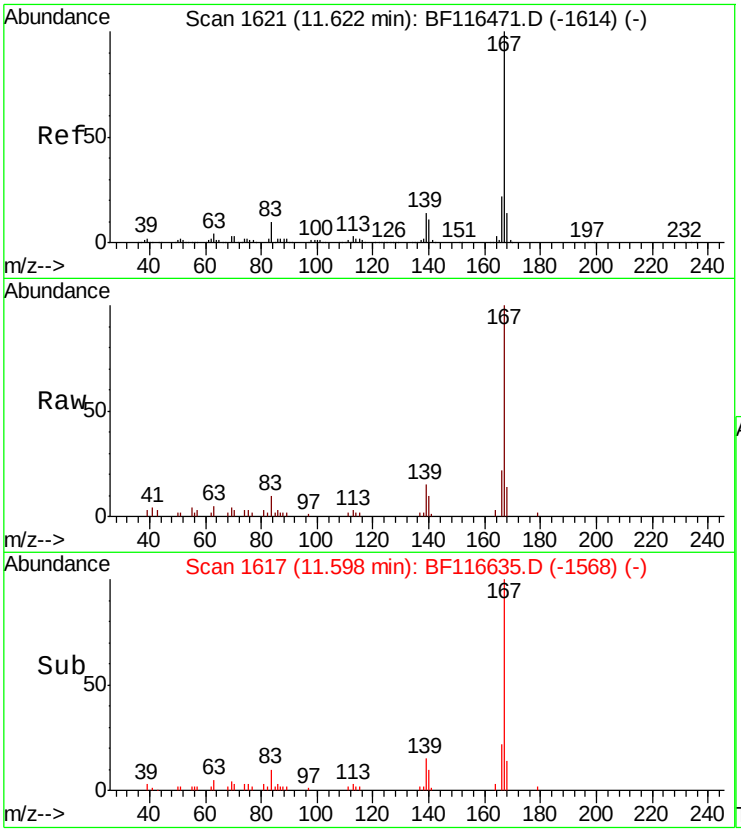


#72
Anthracene
Concen: 3.000 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:178 Resp: 26828

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	14.0	12.7	19.1



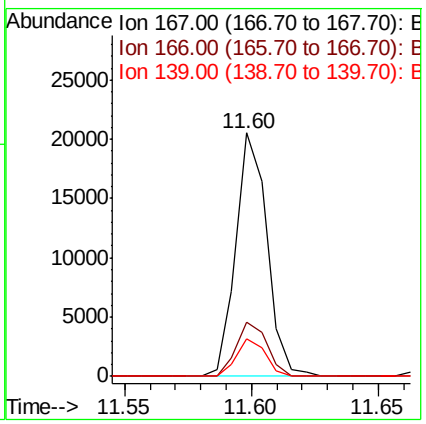


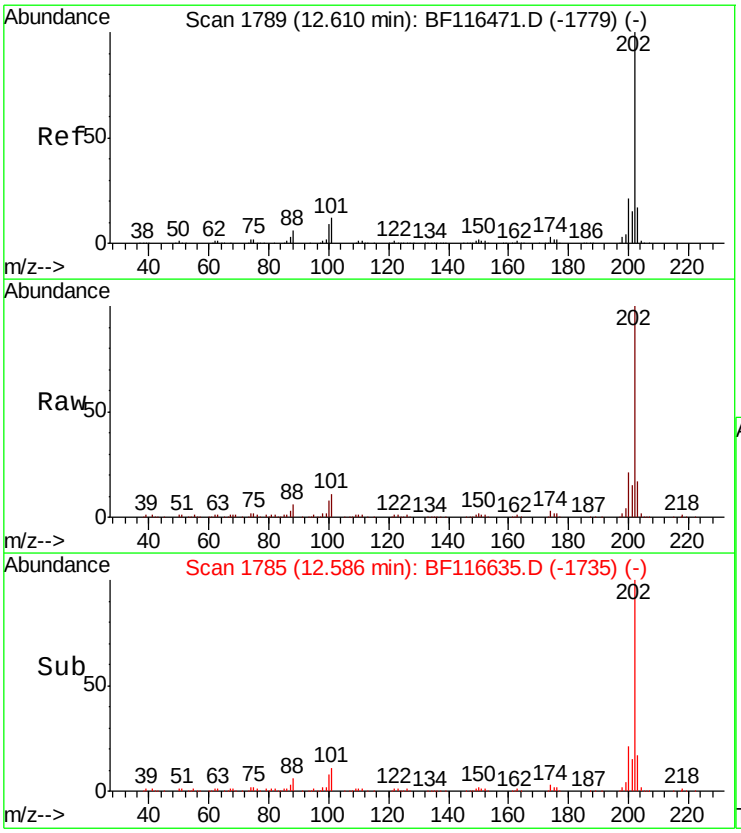
#73
Carbazole
Concen: 2.301 ng
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 17512

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.9	26.9
139	15.2	10.3	15.5

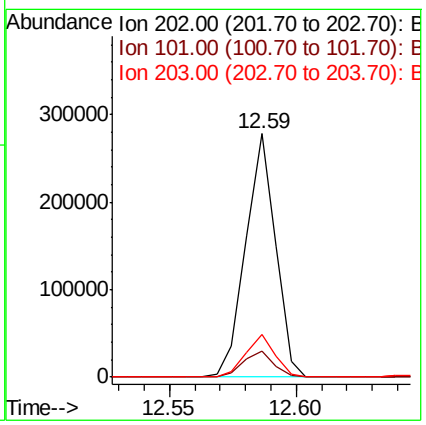


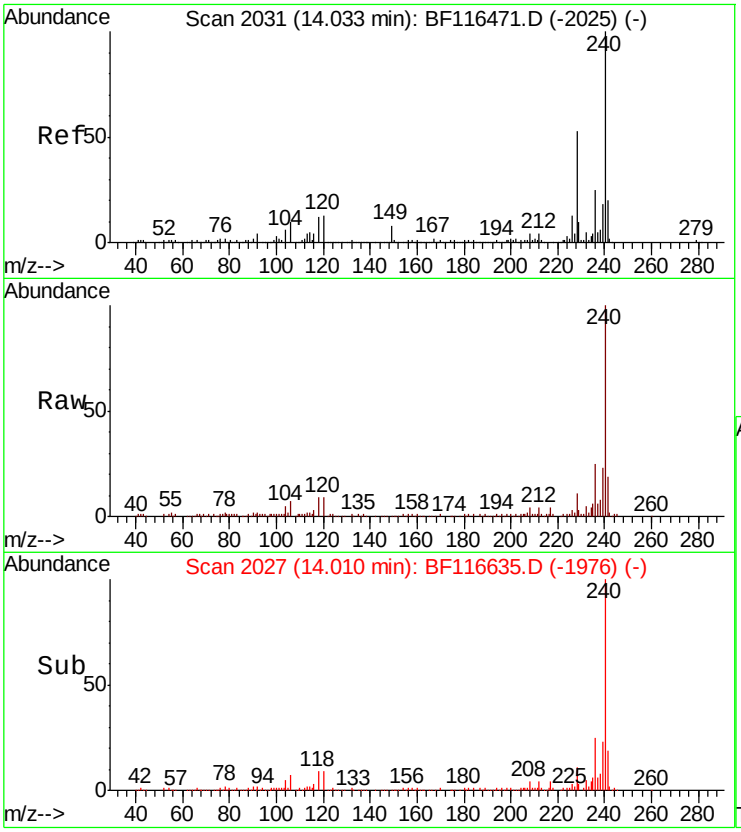


#75
Fluoranthene
Concen: 28.502 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:202 Resp: 228610

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.8
203	17.3	0.0	37.1



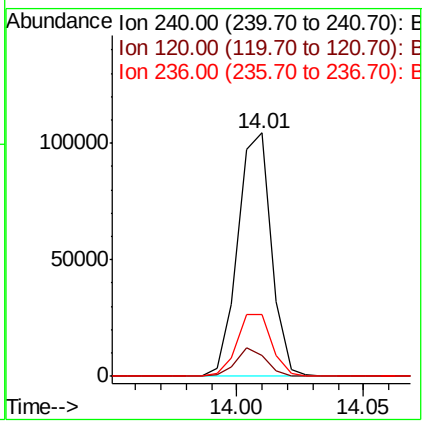


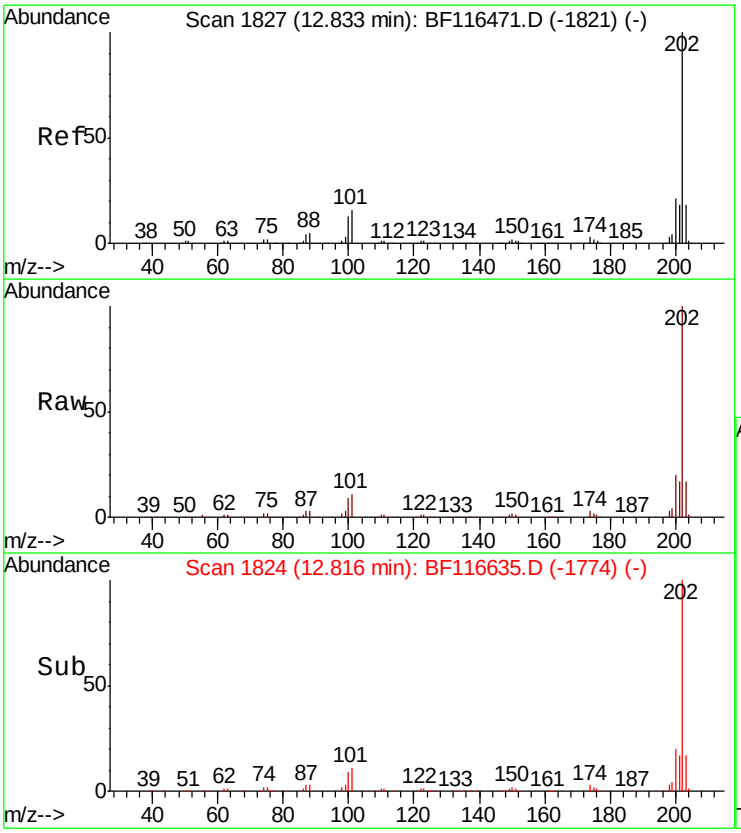
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 95902

Ion	Ratio	Lower	Upper
240	100		
120	8.8	11.3	16.9#
236	25.5	21.4	32.2

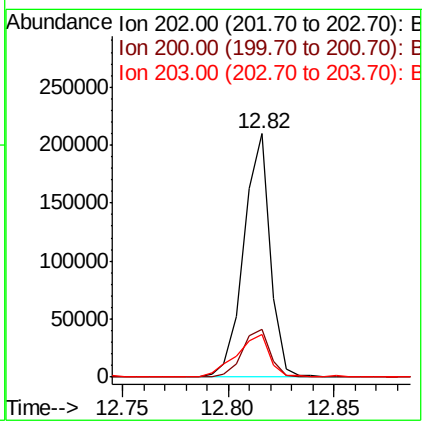


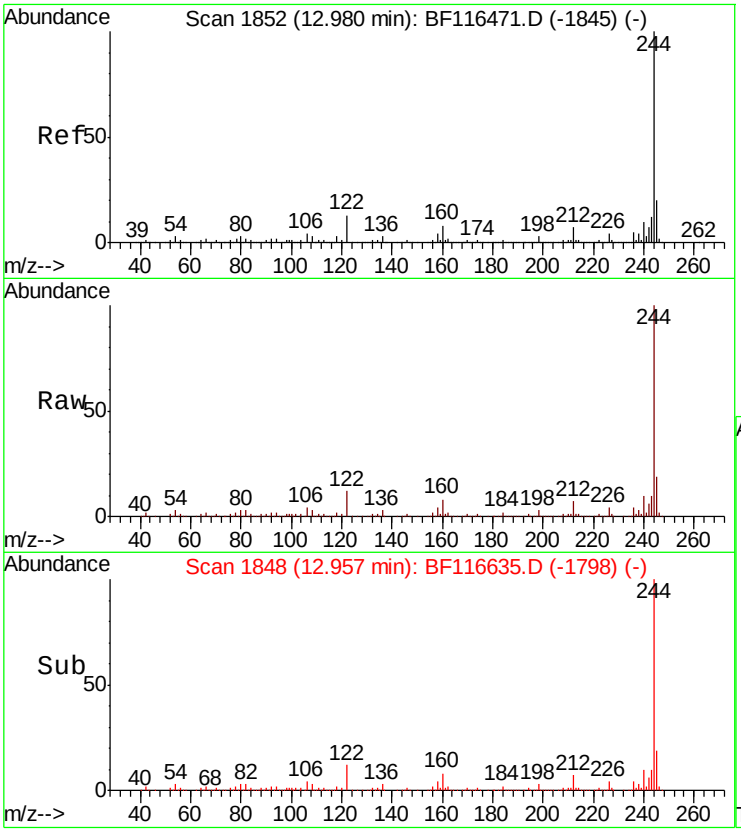


#78
Pyrene
Concen: 20.609 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:202 Resp: 181745

Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.4	26.0
203	17.3	14.2	21.4



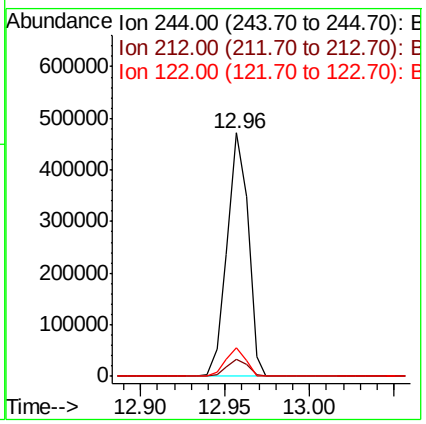


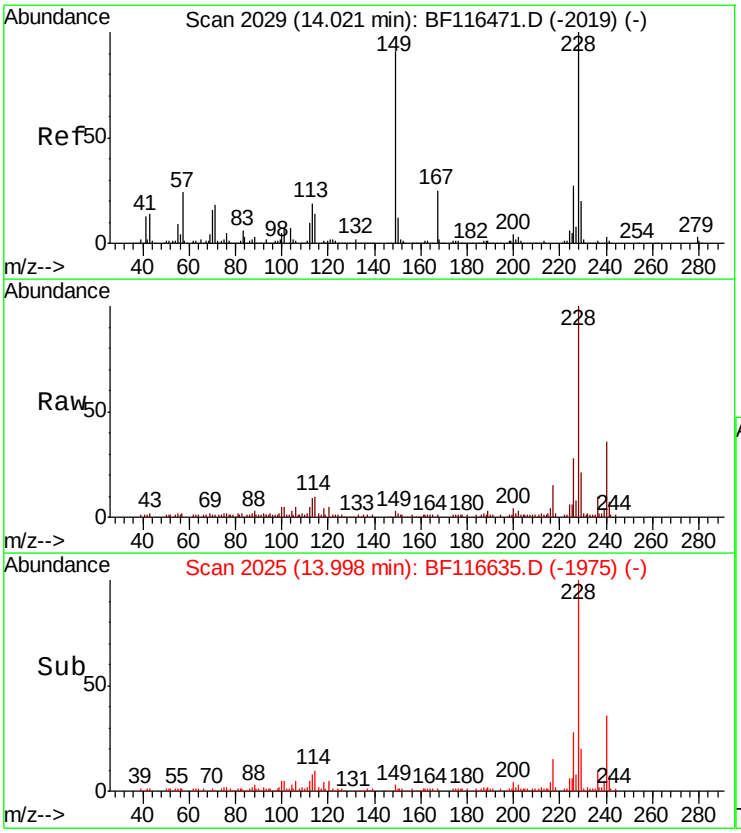
#79
Terphenyl-d14
Concen: 69.127 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 407626

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	11.9	10.0	15.0

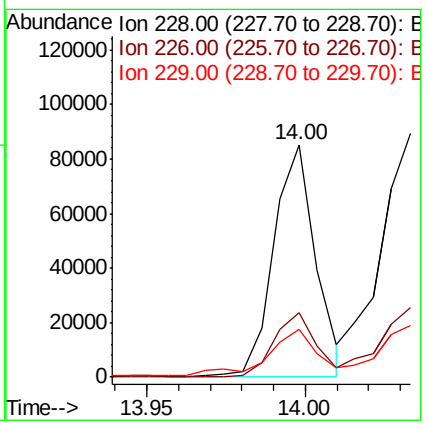


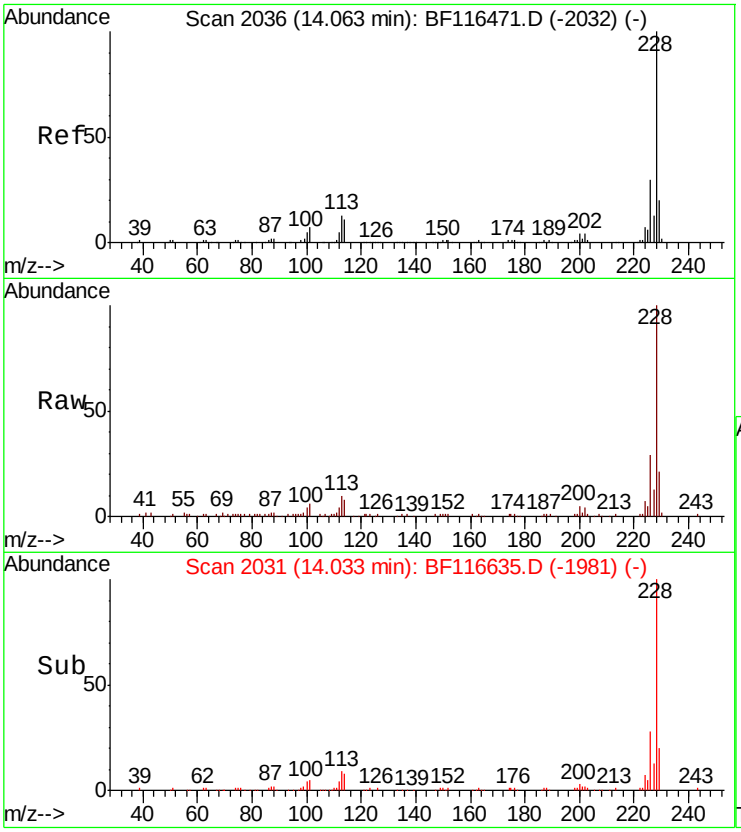


#81
Benzo(a)anthracene
Concen: 12.223 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:228 Resp: 78151

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.5	32.3
229	20.7	15.4	23.0



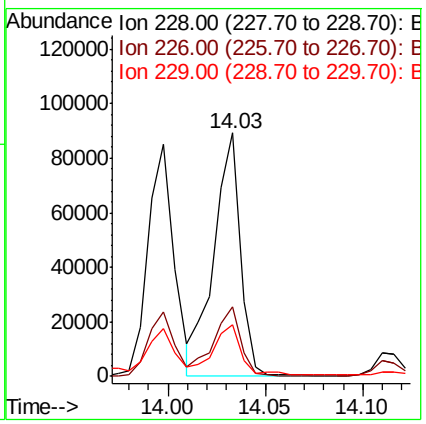


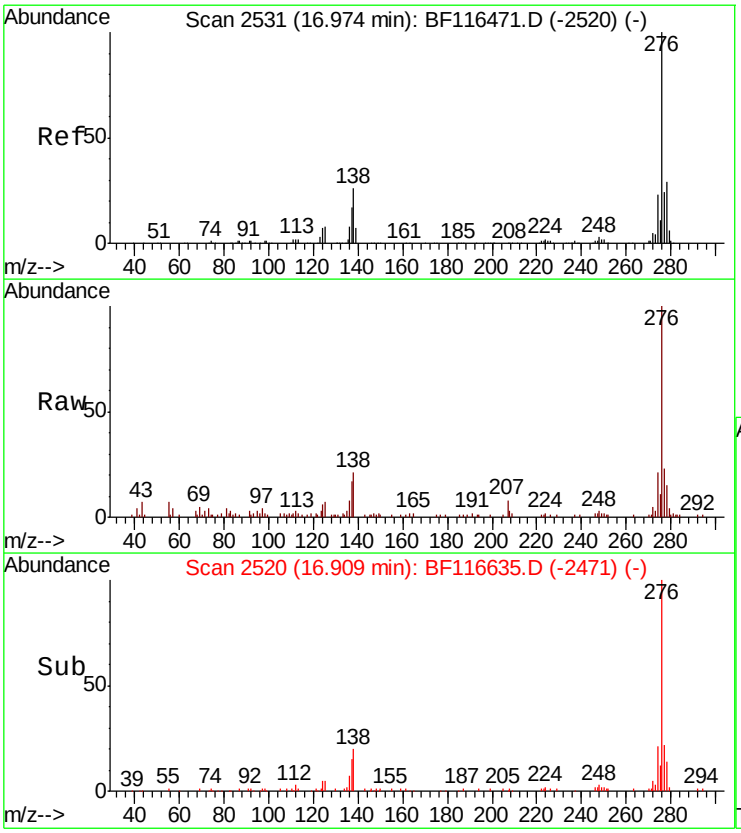
#83
Chrysene
Concen: 13.622 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 85267

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	21.0	15.8	23.8

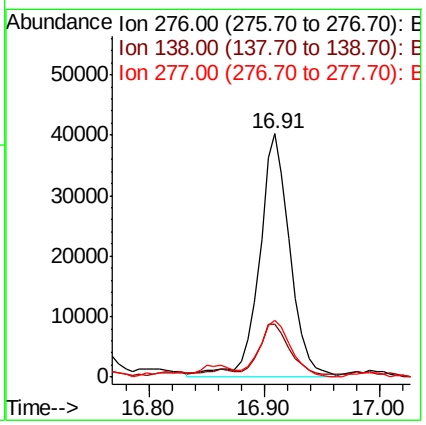


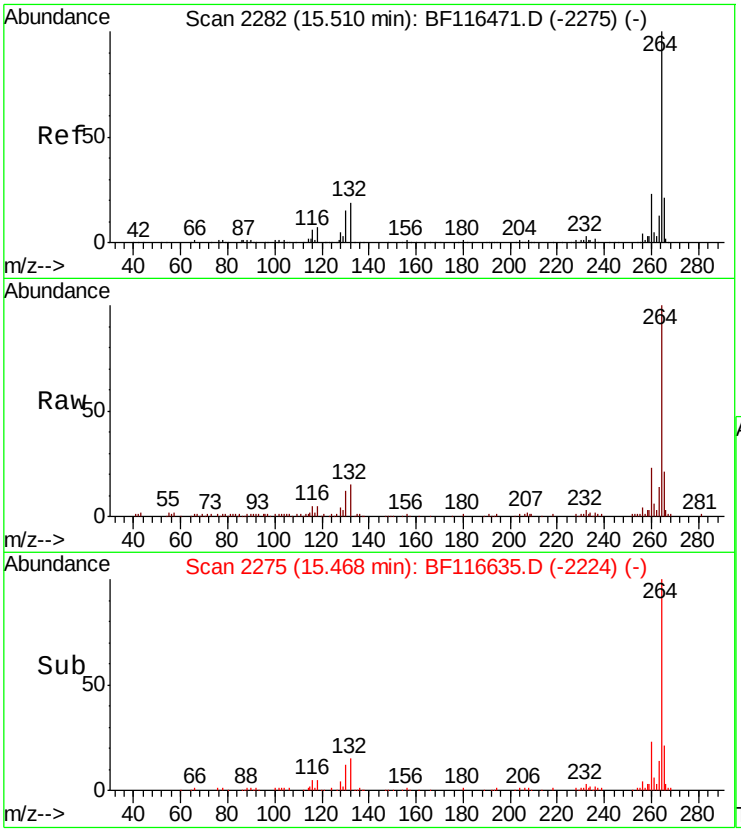


#86
Indeno(1,2,3-cd)pyrene
Concen: 17.558 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:276 Resp: 73807

Ion	Ratio	Lower	Upper
276	100		
138	21.6	21.5	32.3
277	24.5	20.0	30.0



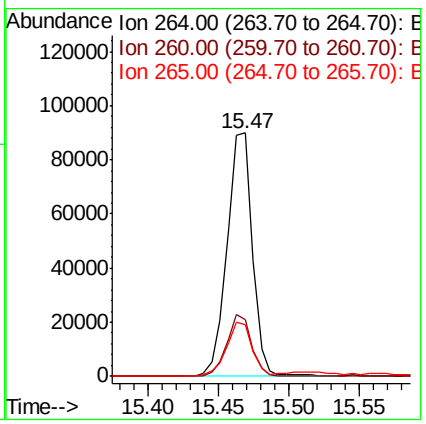


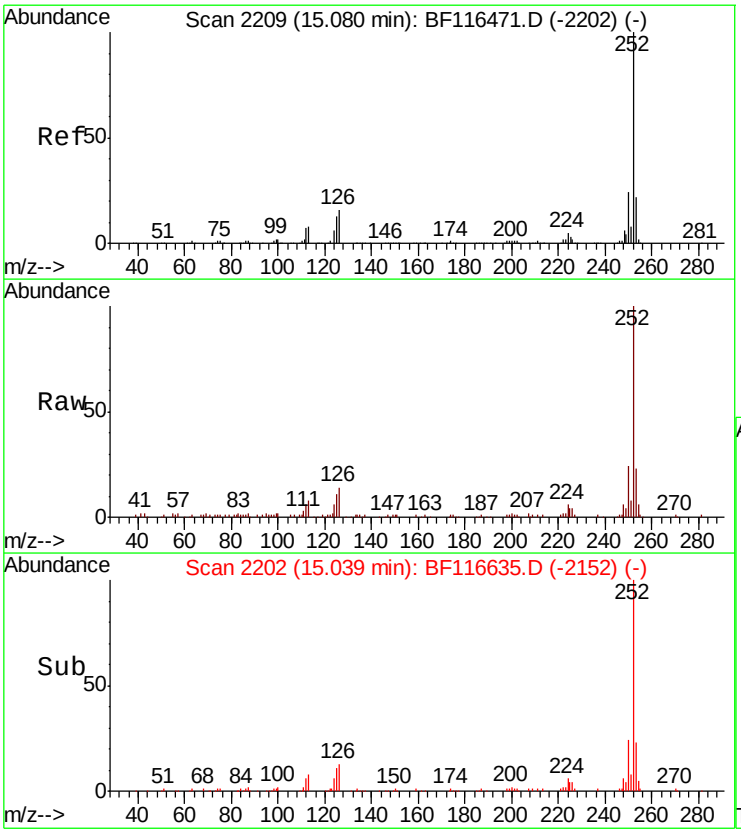
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 112591

Ion	Ratio	Lower	Upper
264	100		
260	23.1	20.0	30.0
265	21.2	17.6	26.4

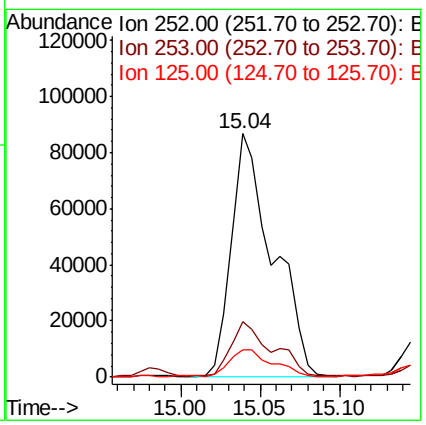


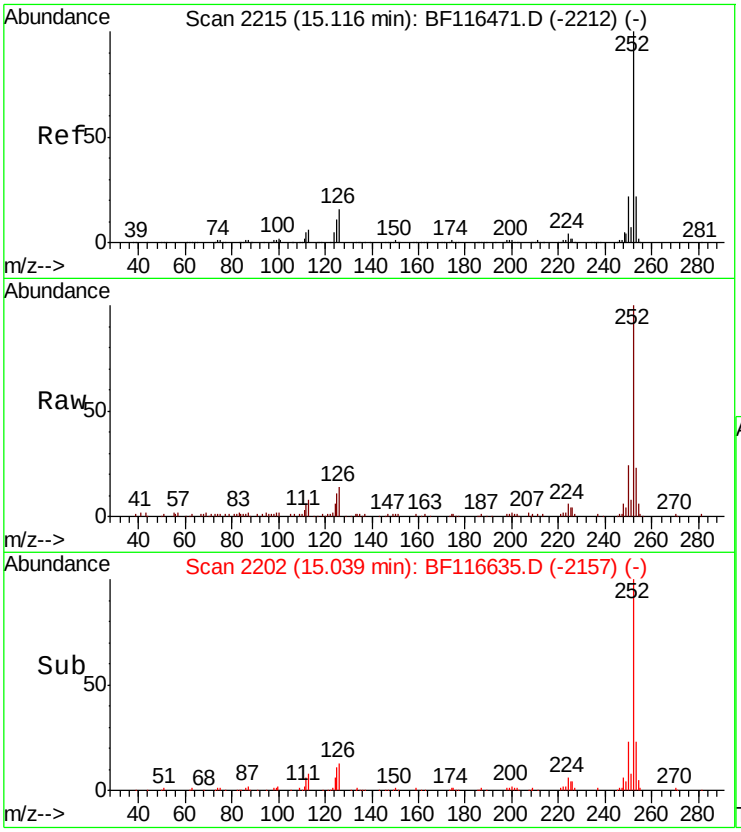


#88
Benzo(b)fluoranthene
Concen: 22.900 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:252 Resp: 158336

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	11.3	9.0	13.6



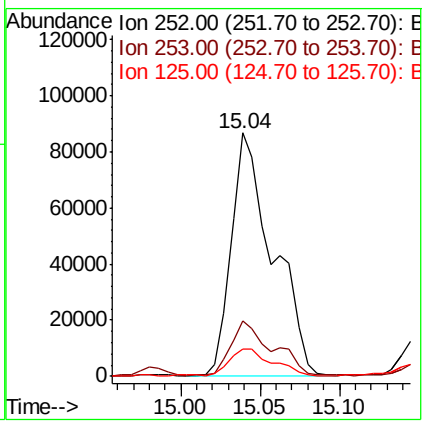


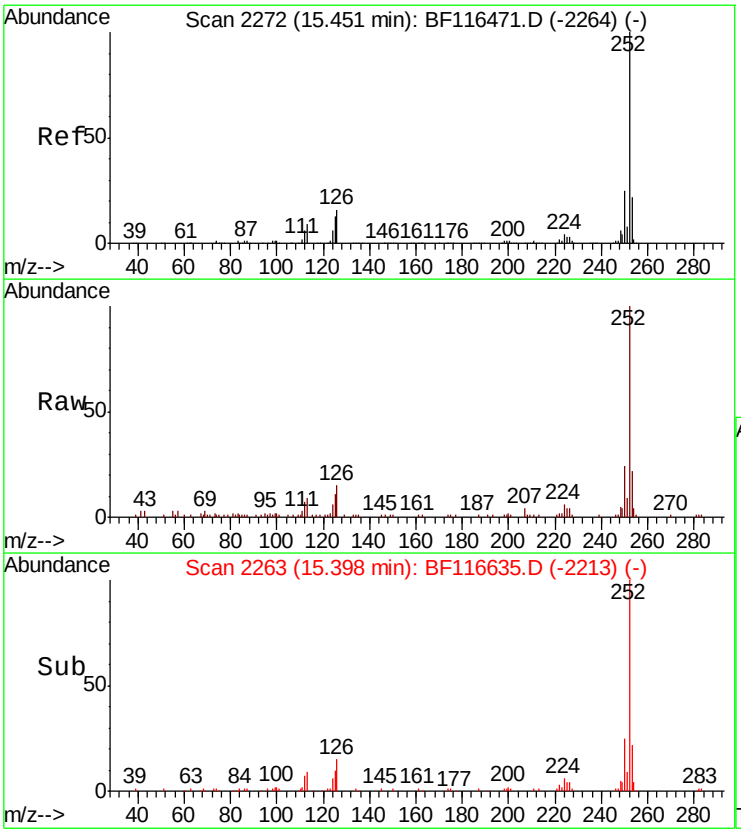
#89
Benzo(k)fluoranthene
Concen: 24.091 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 158336

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	11.3	8.6	13.0

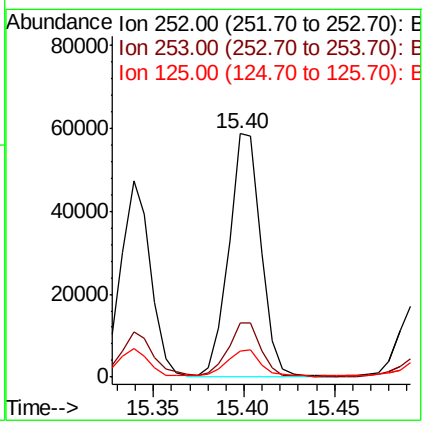


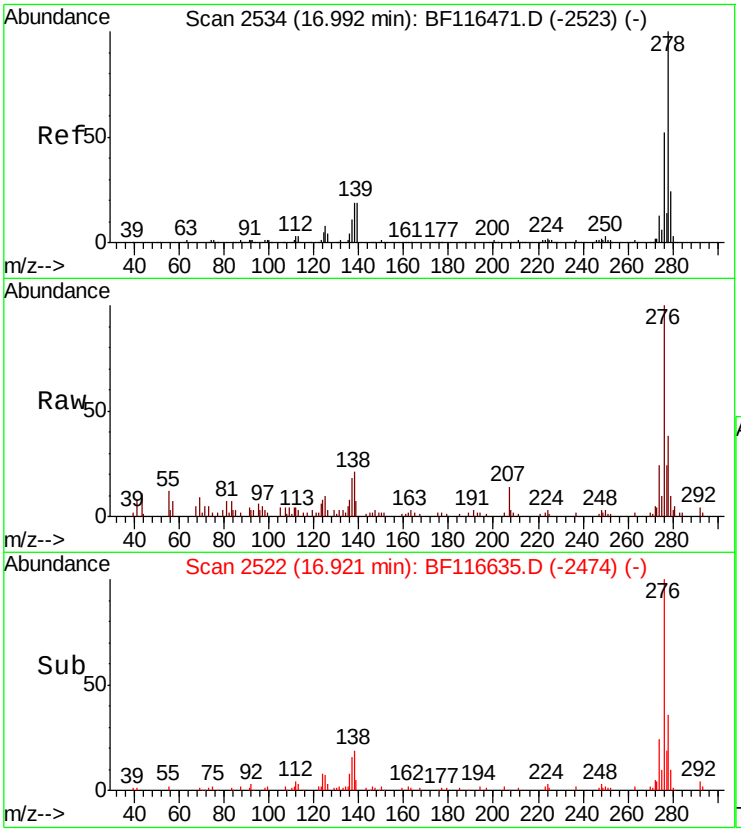


#90
Benzo(a)pyrene
Concen: 11.837 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:252 Resp: 73042

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	10.8	10.6	16.0



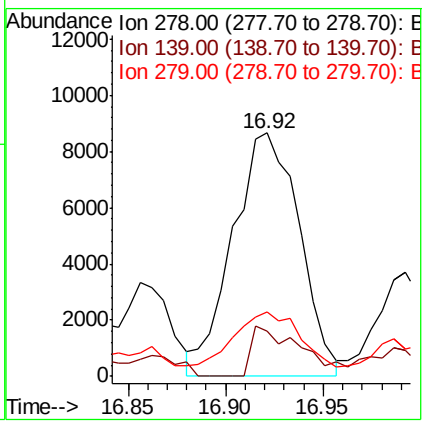


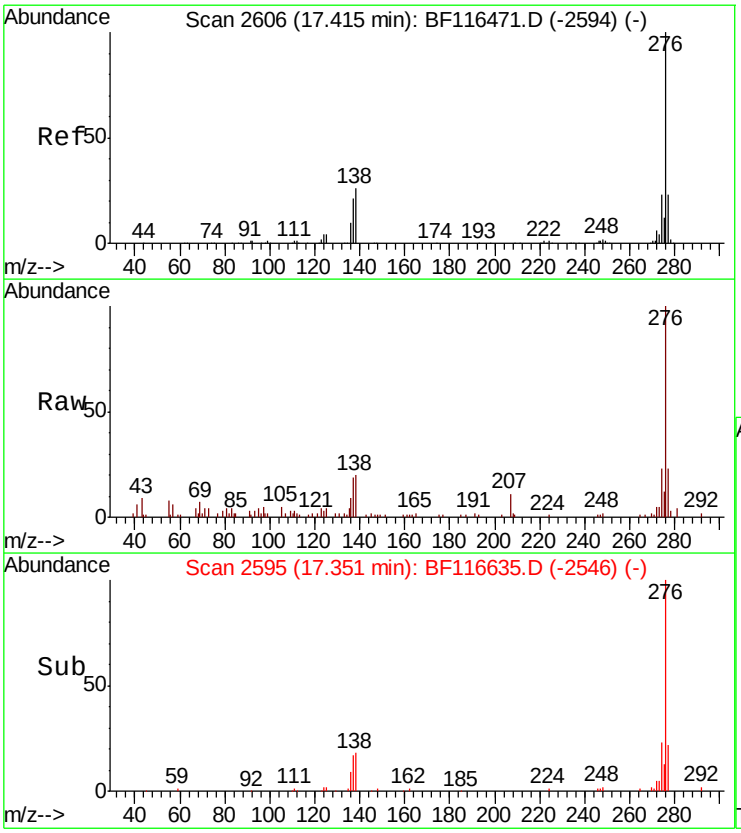
#91
Dibenzo(a,h)anthracene
Concen: 3.560 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.02 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 20500

Ion	Ratio	Lower	Upper
278	100		
139	18.7	14.1	21.1
279	26.3	19.5	29.3





#92
Benzo(g,h,i)perylene
Concen: 10.181 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion:276 Resp: 60953

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	20.0	18.2	27.2