Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121469.D
Acq On : 28 Aug 2020 20:03
Operator : JU/CG
Sample : L3837-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 789UMR-TP13-0612-01

Quant Time: Aug 29 00:35:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 28 09:25:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	320095	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1230753	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	633797	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1182505	20.00	ng	0.00
76) Chrysene-d12	14.02	240	804611	20.00	ng	0.00
86) Perylene-d12	15.49	264	740767	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1331669	69.80	ng	0.00
7) Phenol-d6	6.48	99	1744059	65.41	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1105521	61.41	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	498754	77.91	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2005543	51.06	ng	0.00
79) Terphenyl-d14	12.97	244	1965872	51.43	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.40	77	541	Below Cal	#	81
19) n-Nitroso-di-n-propylamine	7.42	70	146709	9.846	ng	# 78
25) Isophorone	7.42	82	1102574	27.230	ng	# 64
31) Naphthalene	8.16	128	162352	2.657	ng	97
32) Benzoic acid	7.92	122	320	6.699	ng	# 27
48) 2-Nitroaniline	9.33	65	708	6.703	ng	# 5
50) Dimethylphthalate	9.61	163	211842	4.866	ng	99
51) 2,6-Dinitrotoluene	9.90	165	82982	15.229	ng	# 24
53) 3-Nitroaniline	10.10	138	897	5.528	ng	# 4
56) 4-Nitrophenol	10.10	139	22903	10.313	ng	# 8
57) 2,4-Dinitrotoluene	9.90	165	82982	14.285	ng	# 21
62) 4-Nitroaniline	10.44	138	584	4.585	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.68	198	1096	5.949	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	29163	2.242	ng	# 1
71) Phenanthrene	11.40	178	936912	15.439	ng	98
72) Anthracene	11.46	178	209740	3.514	ng	96
73) Carbazole	11.61	167	159821	2.777	ng	97
75) Fluoranthene	12.59	202	972851	14.875	ng	98
78) Pyrene	12.82	202	740879	12.893	ng	96
81) Benzo(a)anthracene	14.01	228	351985	7.166	ng	99
83) Chrysene	14.04	228	277127	5.640	ng	97
87) Indeno(1,2,3-cd)pyrene	16.94	276	121909	2.675	ng	95
88) Benzo(b)fluoranthene	15.06	252	408881	8.485	ng	99
89) Benzo(k)fluoranthene	15.06	252	408881	9.123	ng	99
90) Benzo(a)pyrene	15.42	252	209407	4.833	ng	99
92) Benzo(g,h,i)perylene	17.38	276	107538	2.992	ng	98

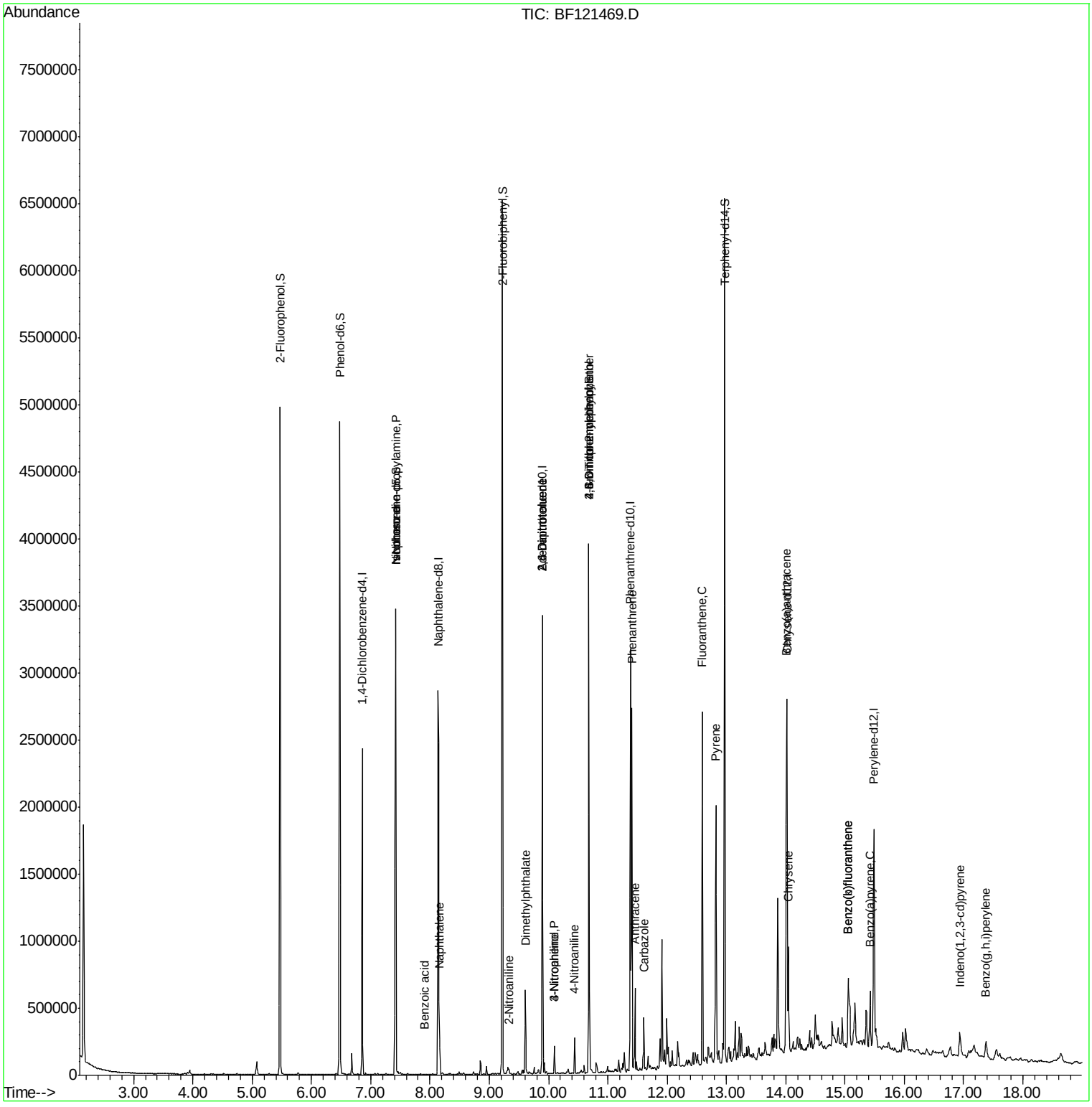
(#) = qualifier out of range (m) = manual integration (+) = signals summed

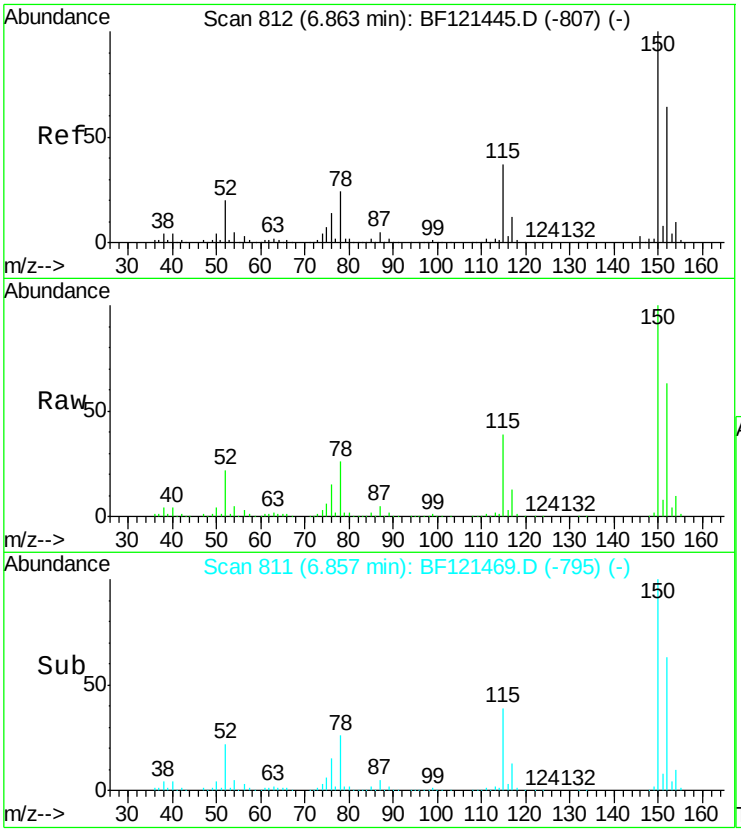
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121469.D
Acq On : 28 Aug 2020 20:03
Operator : JU/CG
Sample : L3837-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Quant Time: Aug 29 00:35:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 28 09:25:49 2020
Response via : Initial Calibration



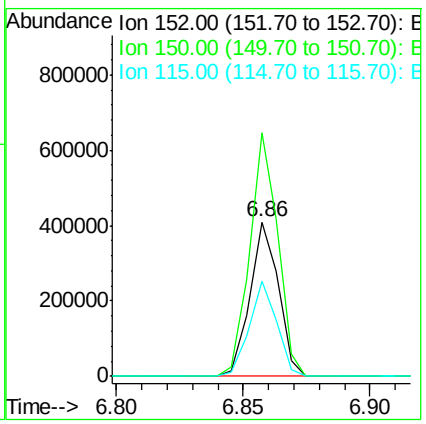


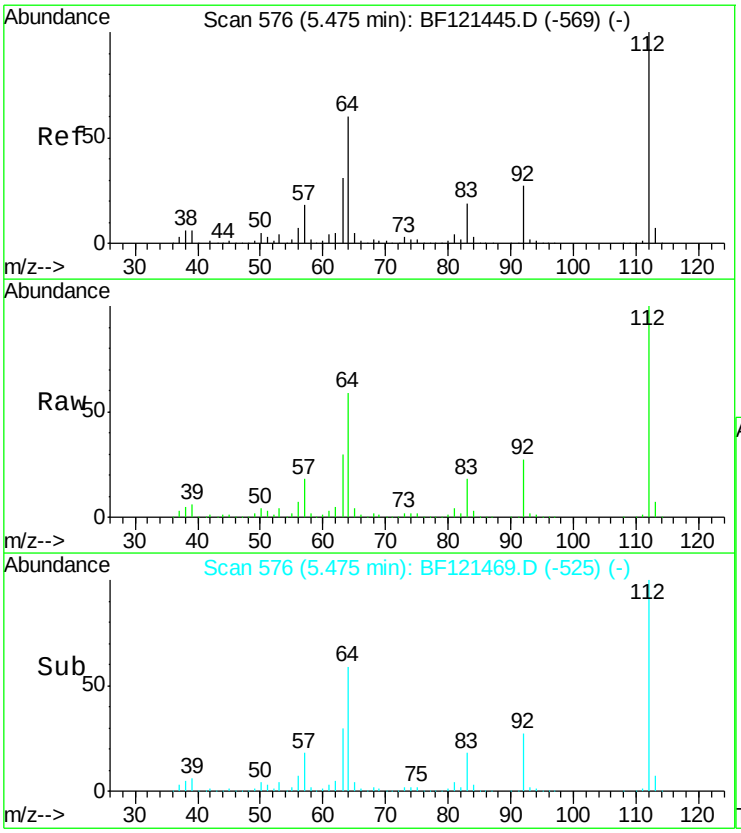
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:152 Resp: 320095

Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.8	188.6
115	61.4	46.6	69.8

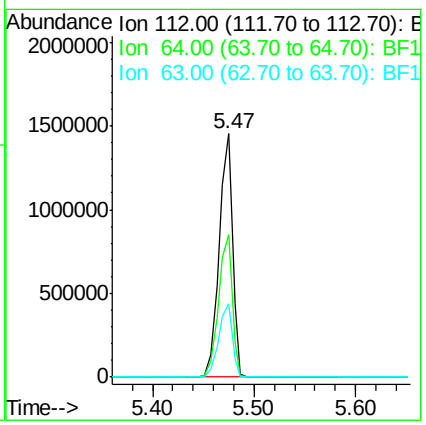


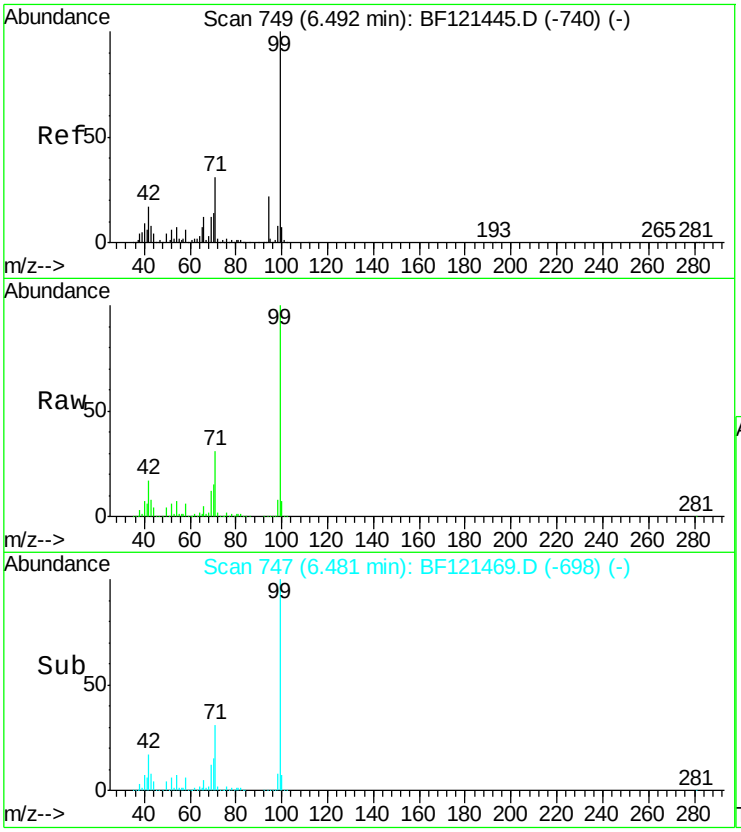


#5
2-Fluorophenol
Concen: 69.798 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:112 Resp: 1331669

Ion	Ratio	Lower	Upper
112	100		
64	58.6	48.2	72.2
63	29.9	24.8	37.2



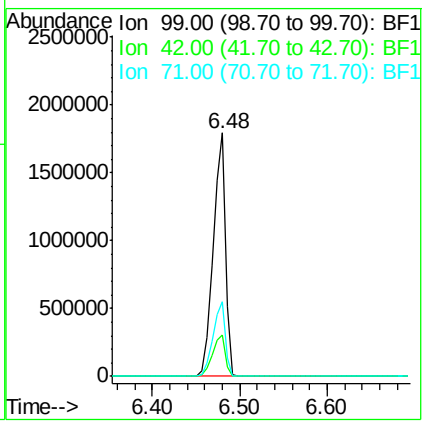


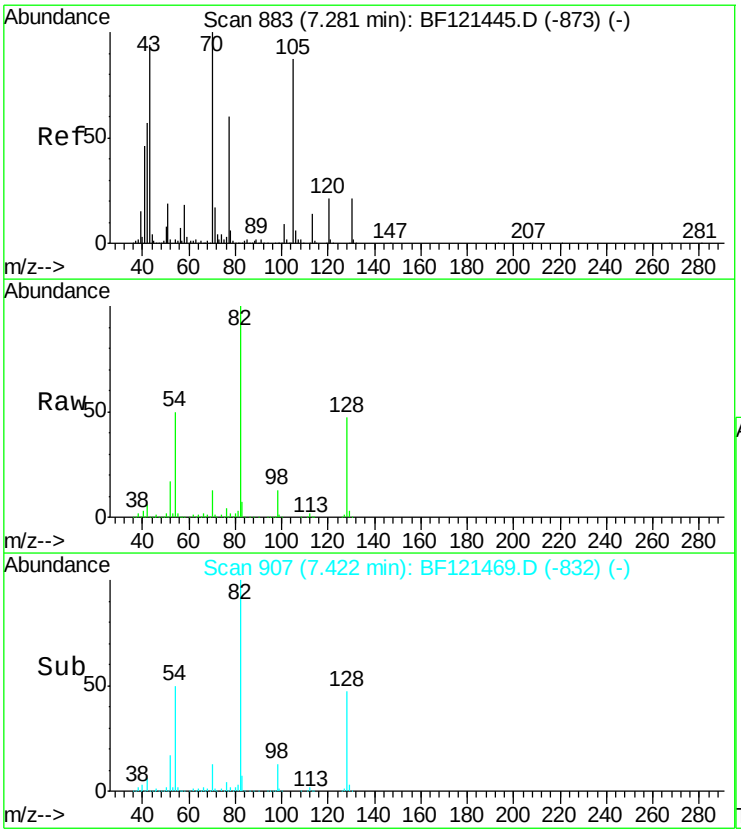
#7
Phenol-d6
Concen: 65.413 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion: 99 Resp: 1744059

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.5	20.3
71	30.8	24.6	37.0

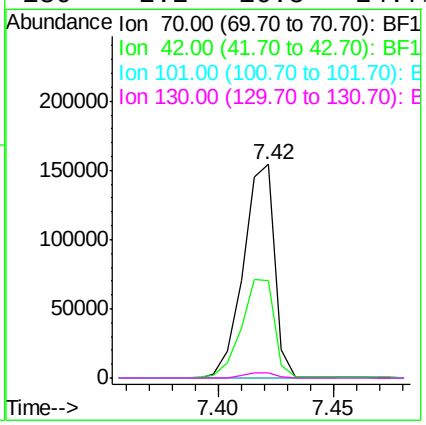


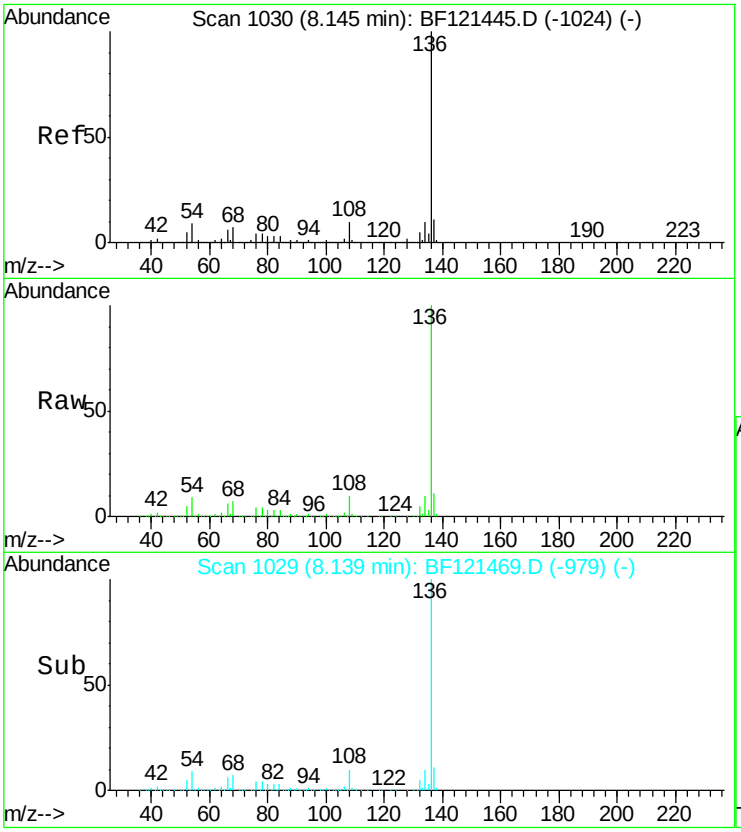


#19
n-Nitroso-di-n-propylamine
Concen: 9.846 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion: 70 Resp: 146709

Ion	Ratio	Lower	Upper
70	100		
42	45.8	45.8	68.6
101	0.0	7.5	11.3#
130	2.2	16.5	24.7#



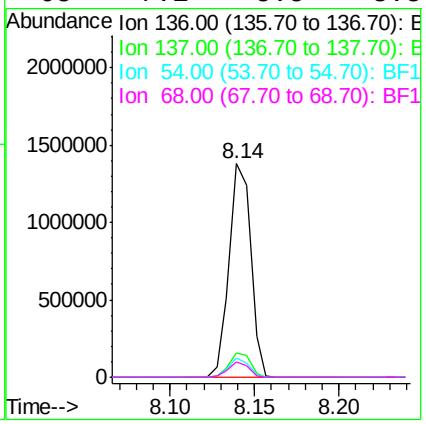


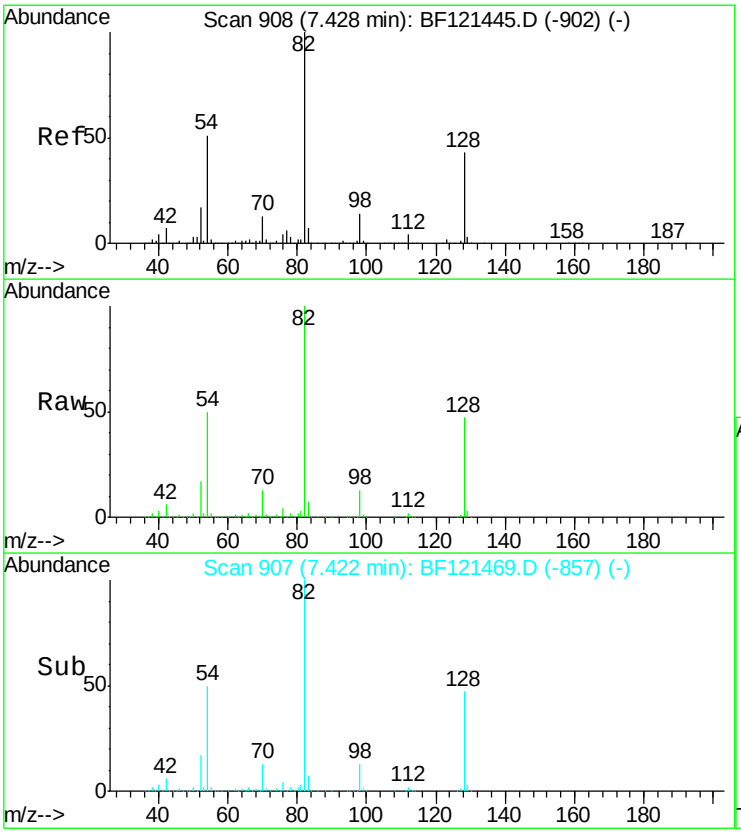
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:136 Resp: 1230753

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	9.1	7.0	10.4
68	7.1	5.5	8.3

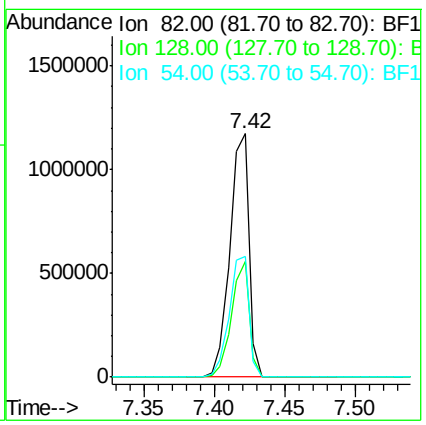


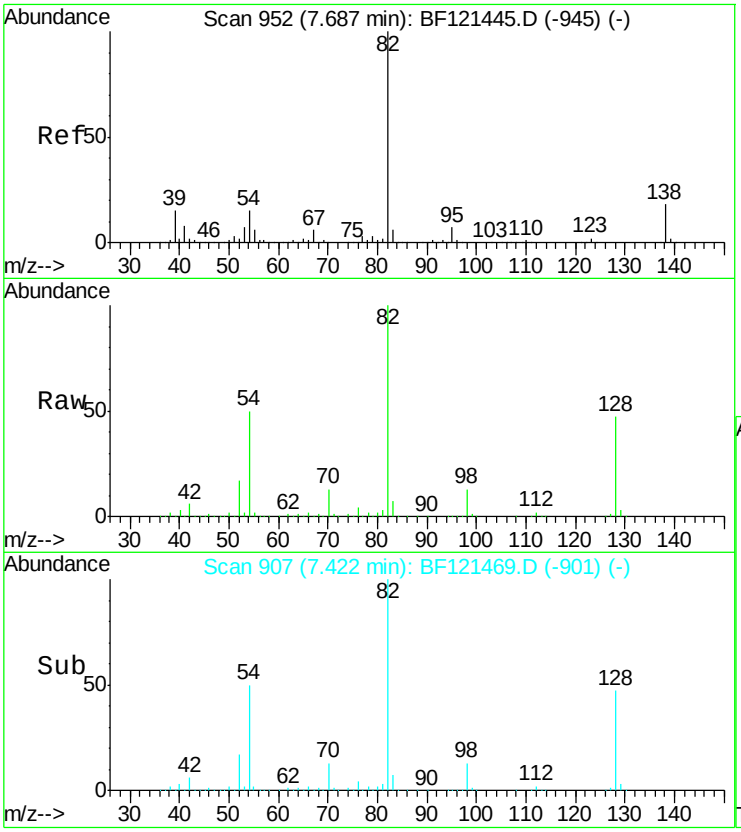


#23
Nitrobenzene-d5
Concen: 61.409 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion: 82 Resp: 1105521

Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.1	51.1
54	49.8	41.0	61.6



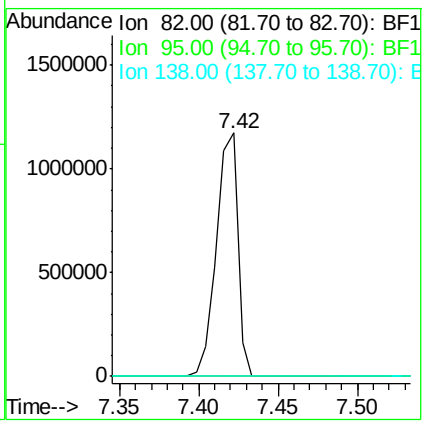


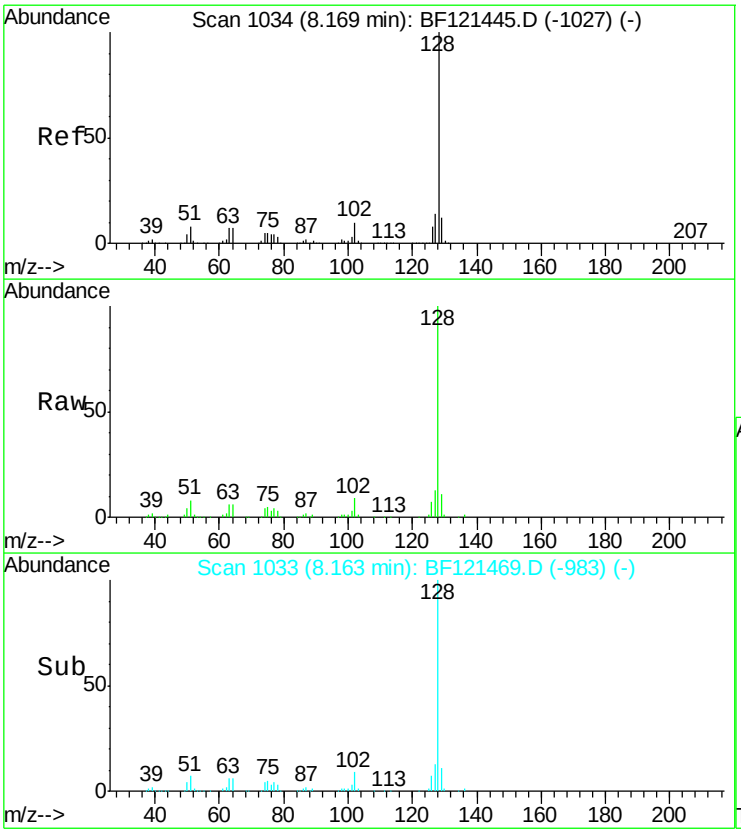
#25
Isophorone
Concen: 27.230 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion: 82 Resp: 1102574

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.8	22.2#

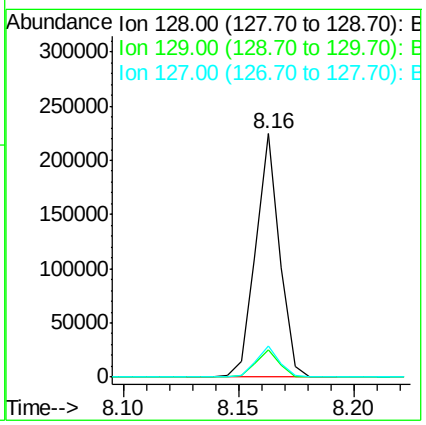


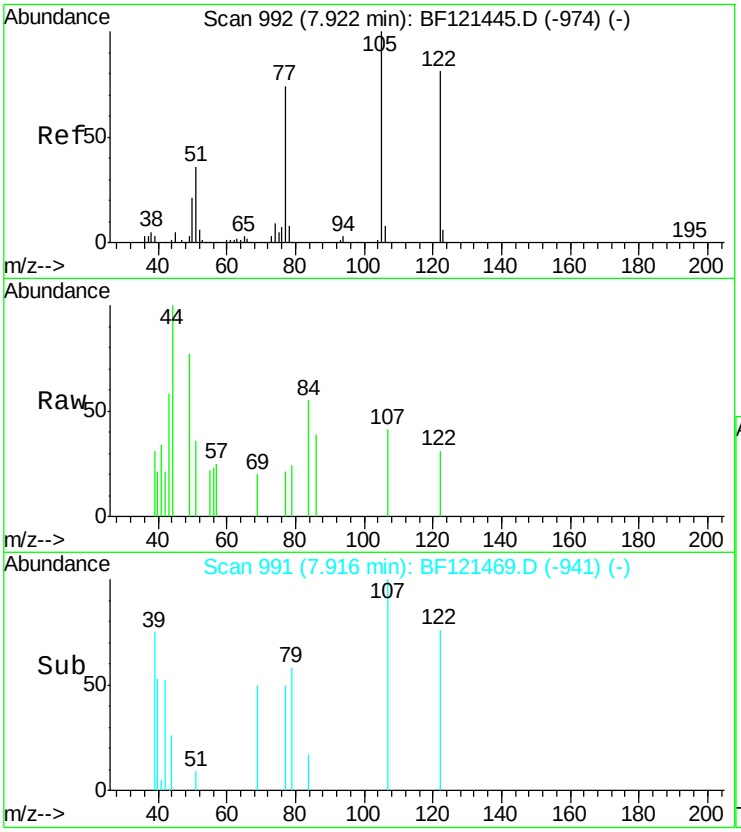


#31
Naphthalene
Concen: 2.657 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:128 Resp: 162352

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.6	14.4
127	12.8	11.4	17.2



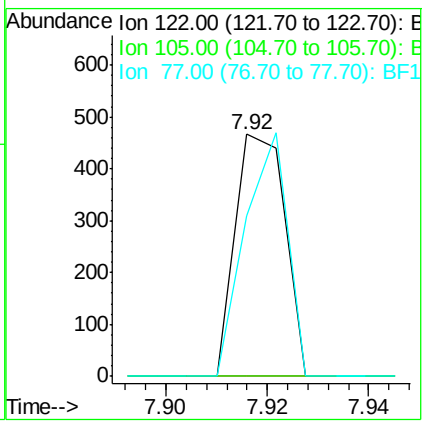


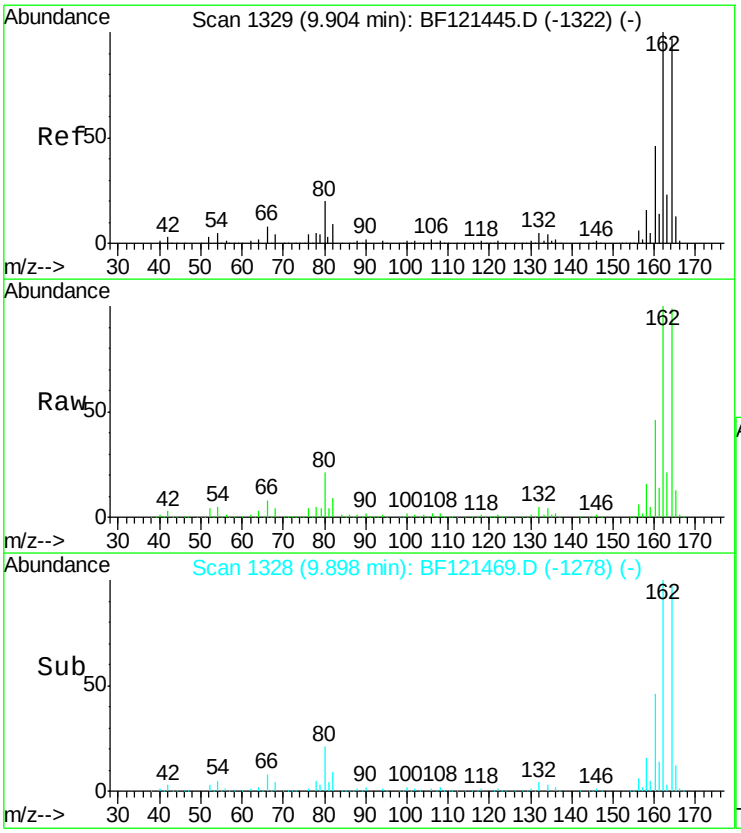
#32
Benzoic acid
Concen: 6.699 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:122 Resp: 320

Ion	Ratio	Lower	Upper
122	100		
105	0.0	100.8	140.8#
77	66.3	71.5	111.5#

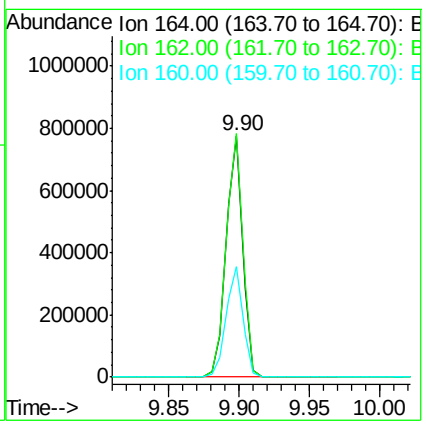


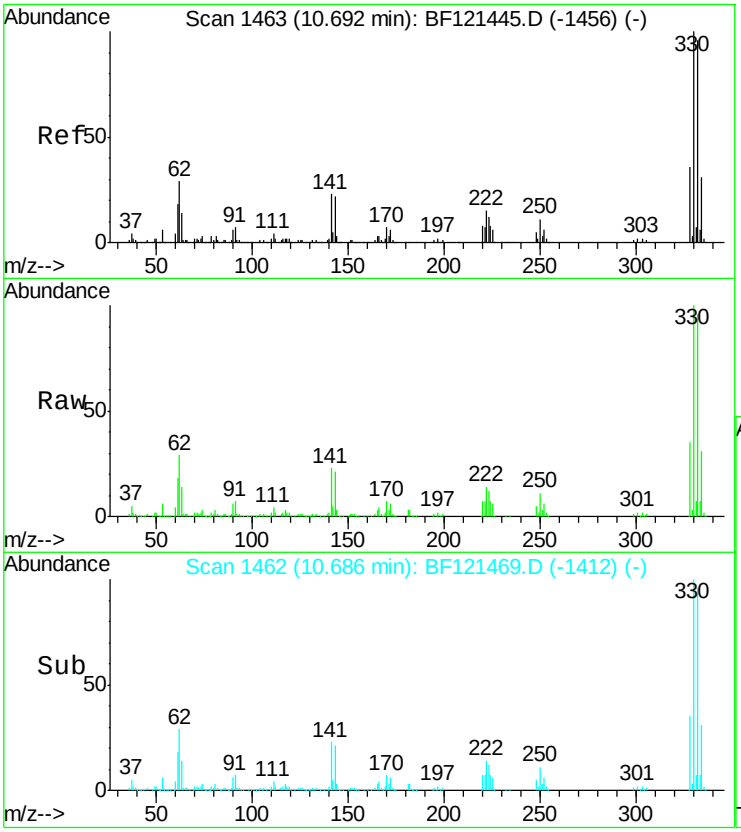


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:164 Resp: 633797

Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.4	123.6
160	46.0	37.6	56.4



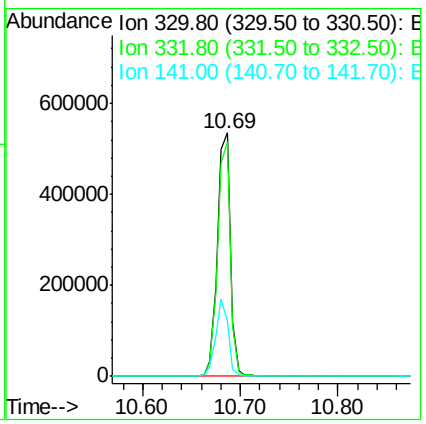


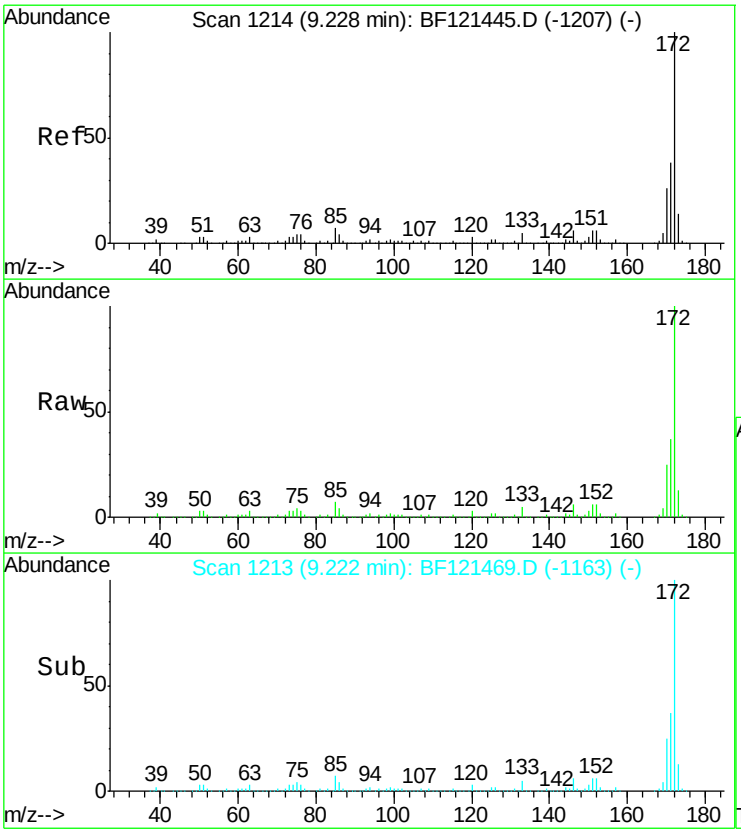
#42
2,4,6-Tribromophenol
Concen: 77.910 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:330 Resp: 498754

Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.2	114.2
141	30.6	24.6	36.8

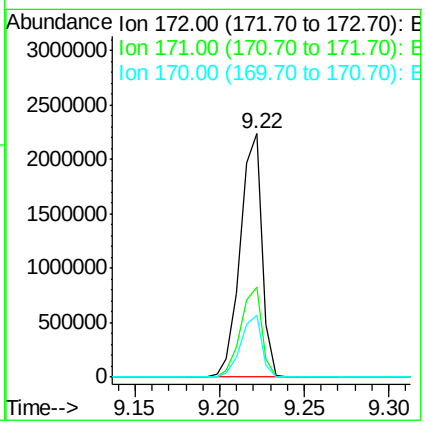


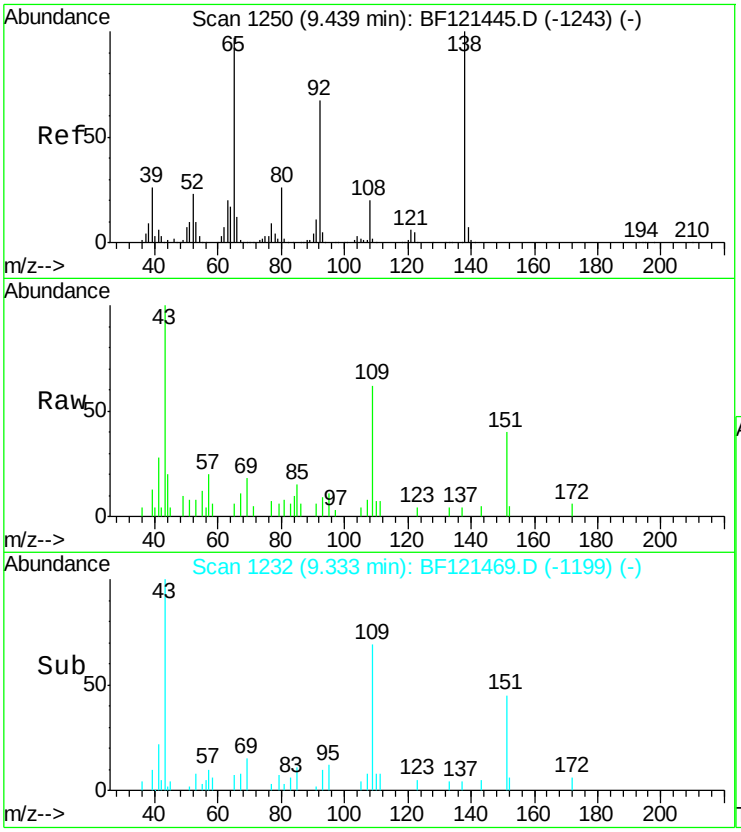


#45
2-Fluorobiphenyl
Concen: 51.057 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:172 Resp: 2005543

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.6	45.8
170	25.2	20.6	31.0



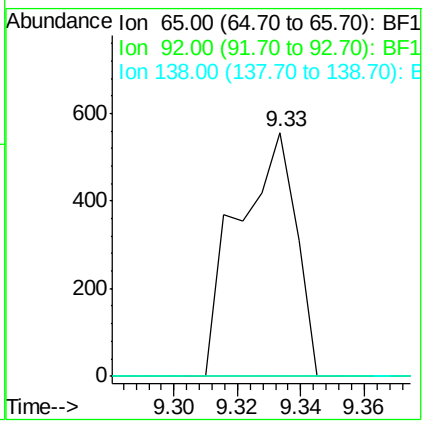


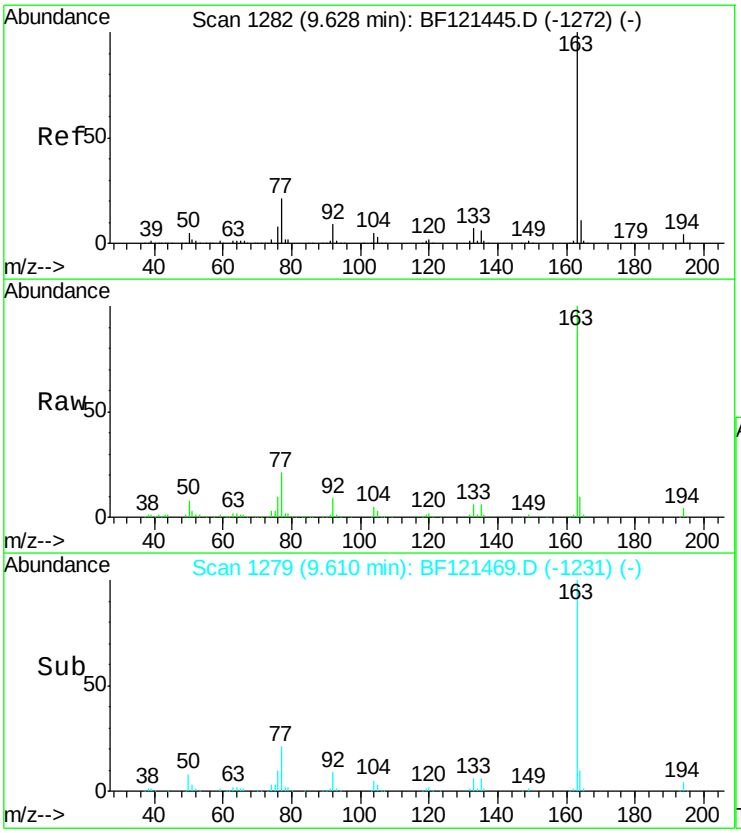
#48
2-Nitroaniline
Concen: 6.703 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.11 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion: 65 Resp: 708

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.6	83.4#
138	0.0	82.9	124.3#

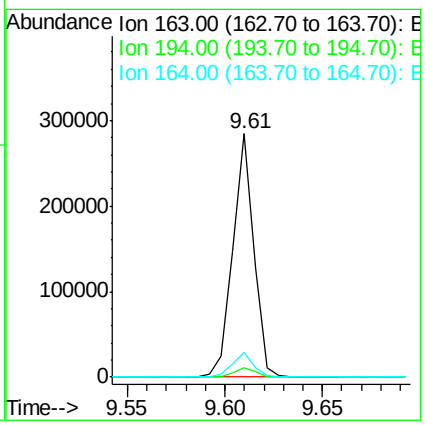


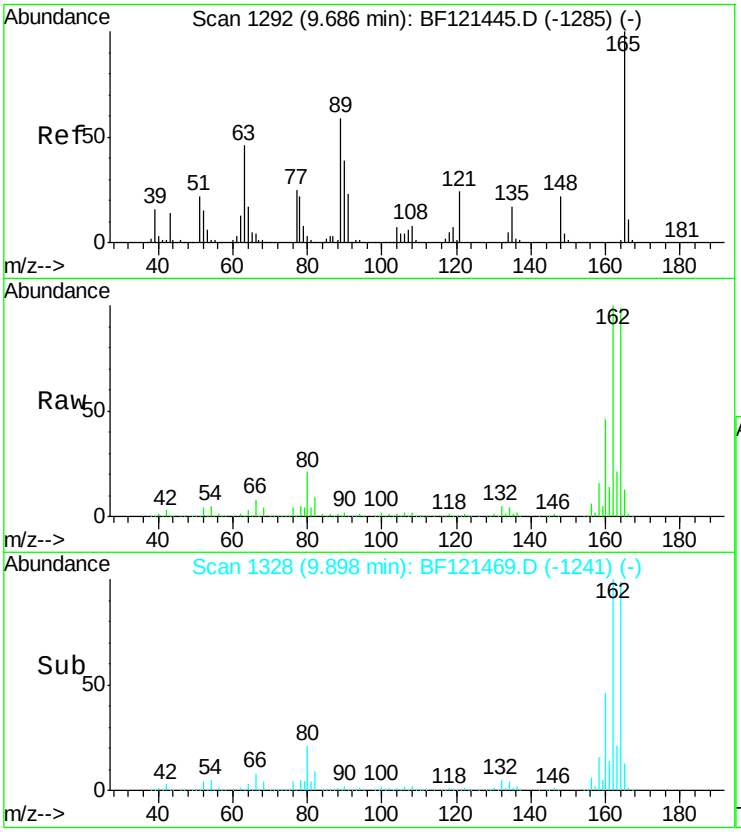


#50
Dimethylphthalate
Concen: 4.866 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:163 Resp: 211842

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.6	12.8



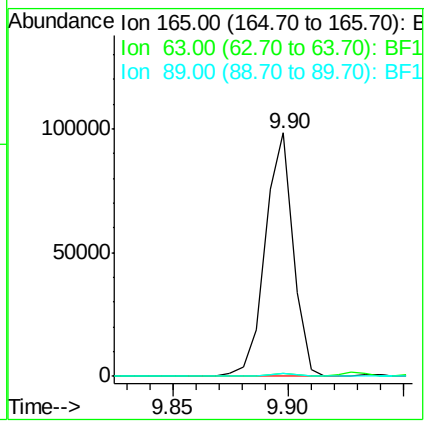


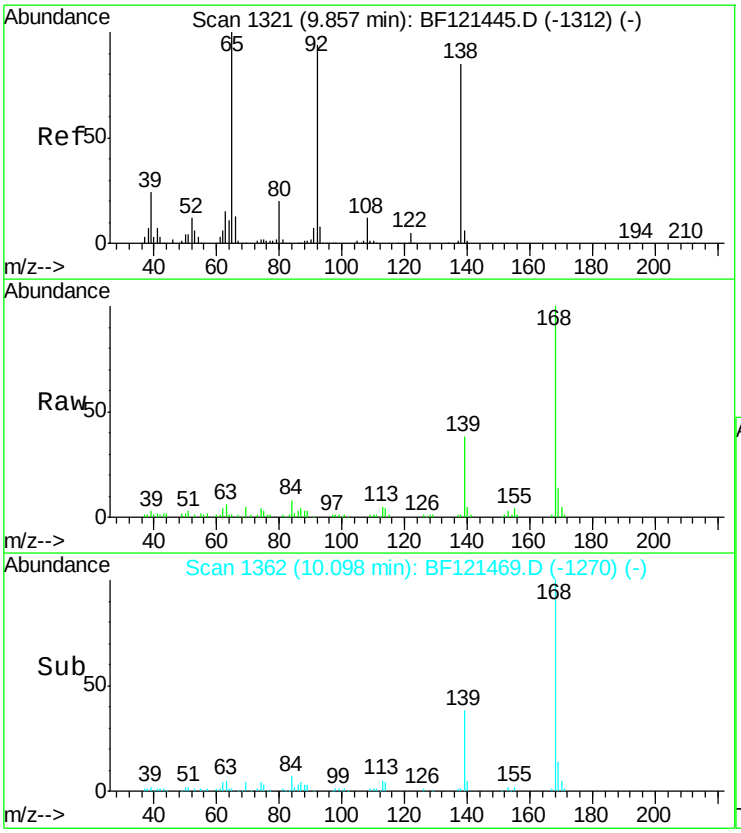
#51
2,6-Dinitrotoluene
Concen: 15.229 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:165 Resp: 82982

Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.6	65.4#
89	1.4	47.4	71.2#

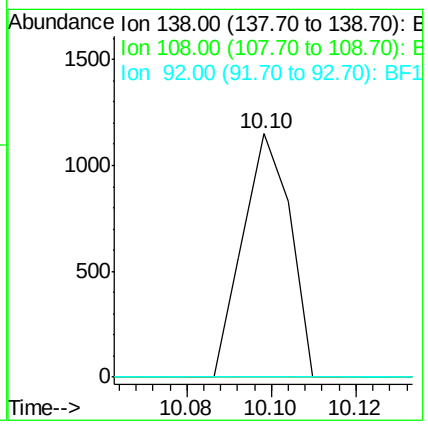


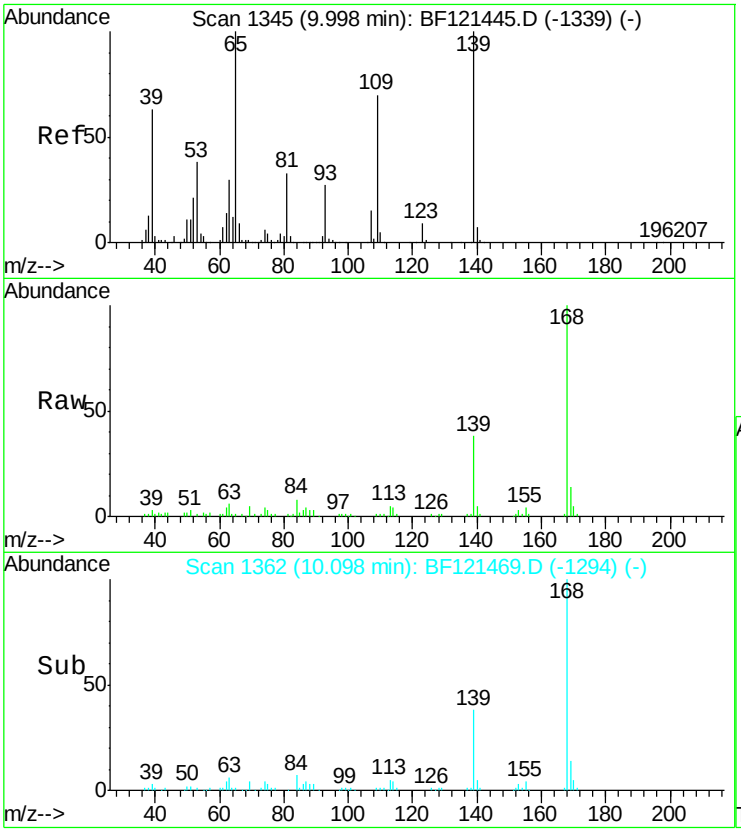


#53
3-Nitroaniline
Concen: 5.528 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.24 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:138 Resp: 897

Ion	Ratio	Lower	Upper
138	100		
108	0.0	11.6	17.4#
92	0.0	88.6	132.8#



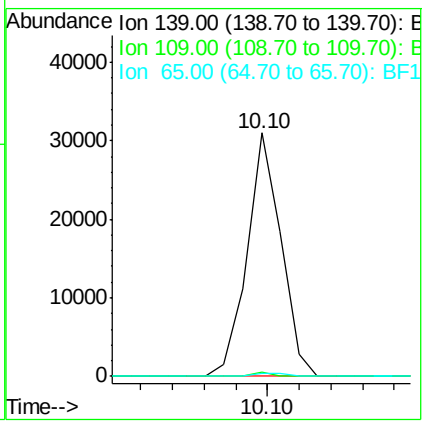


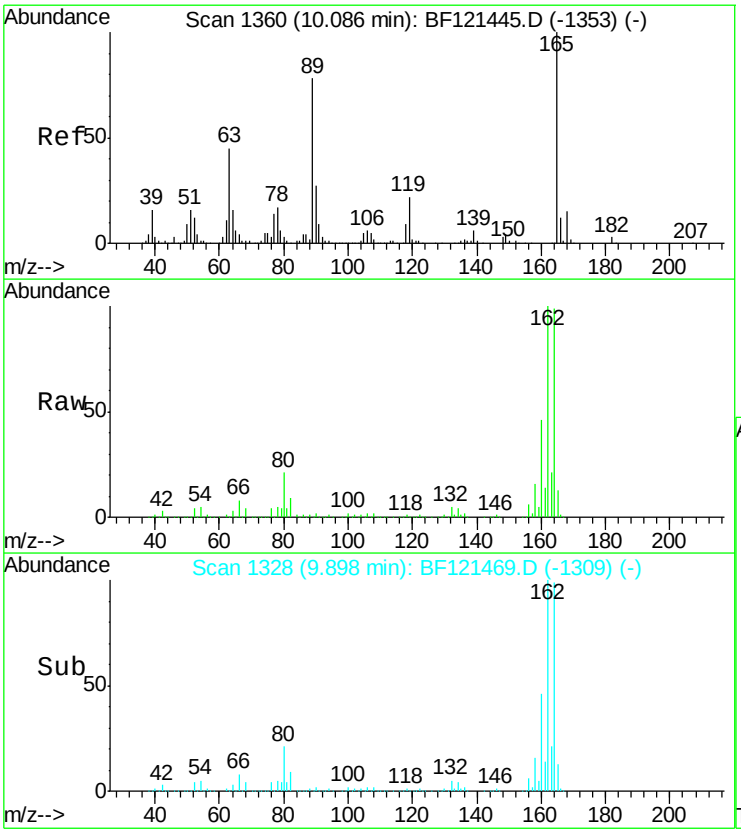
#56
4-Nitrophenol
Concen: 10.313 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.10 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:139 Resp: 22903

Ion	Ratio	Lower	Upper
139	100		
109	1.8	50.5	90.5#
65	1.4	80.2	120.2#

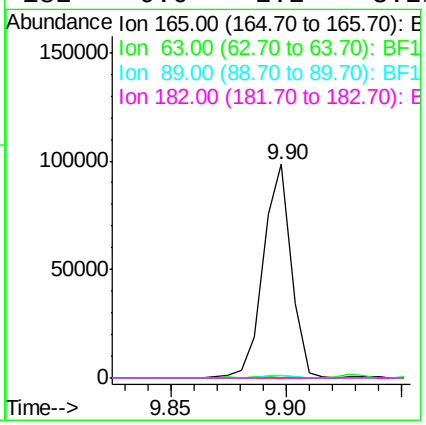


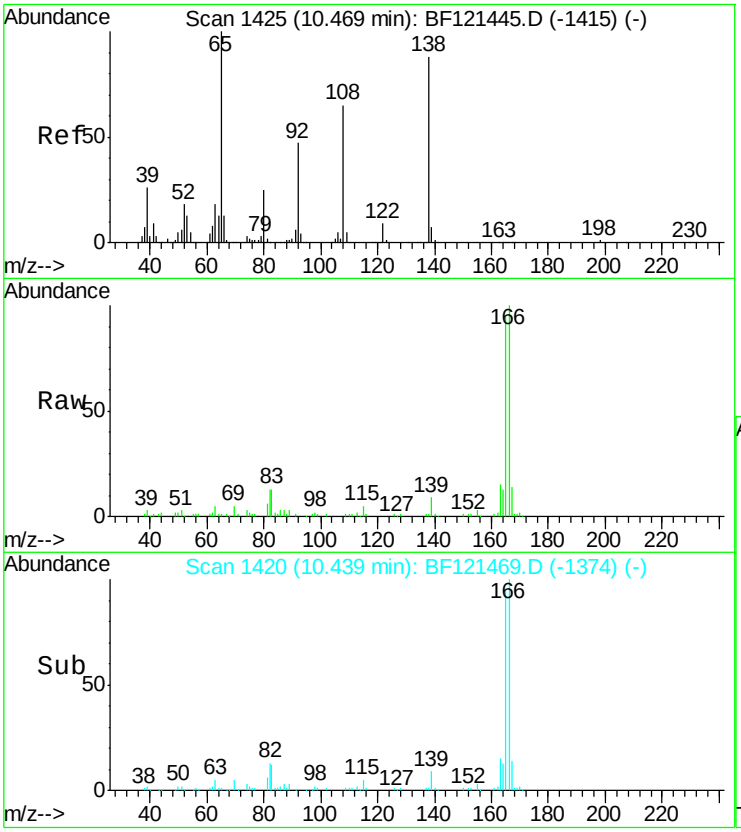


#57
2,4-Dinitrotoluene
Concen: 14.285 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:165 Resp: 82982

Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.0	54.0#
89	1.4	62.6	93.8#
182	0.0	2.2	3.2#



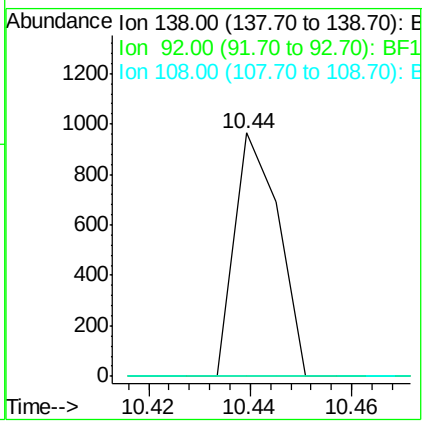


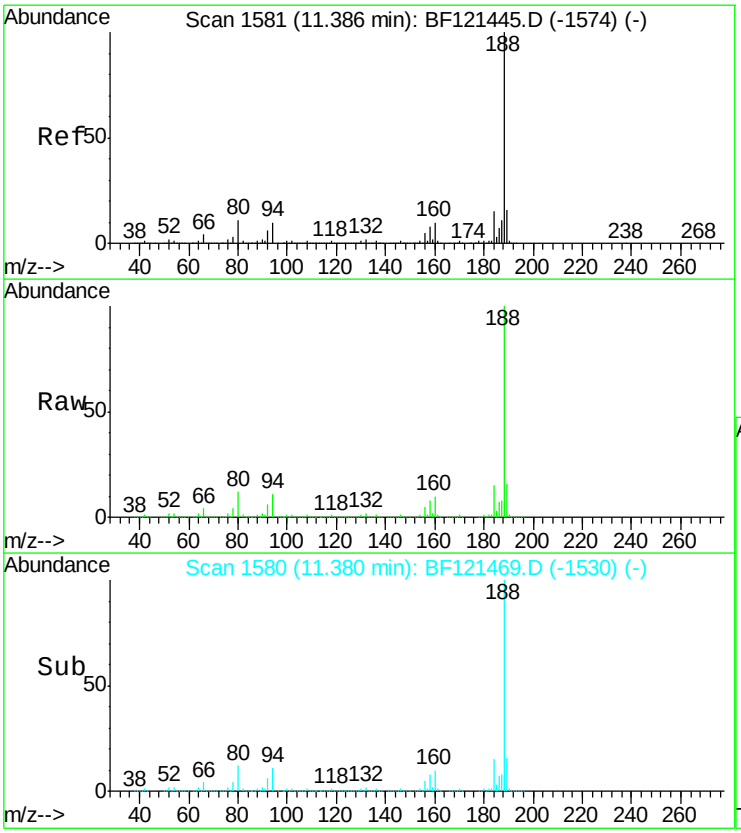
#62
4-Nitroaniline
Concen: 4.585 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.03 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:138 Resp: 584

Ion	Ratio	Lower	Upper
138	100		
92	0.0	33.2	73.2#
108	0.0	53.6	93.6#

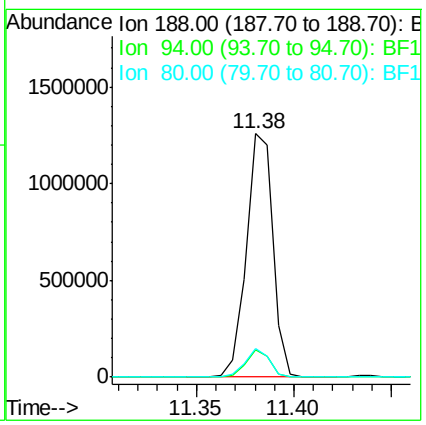


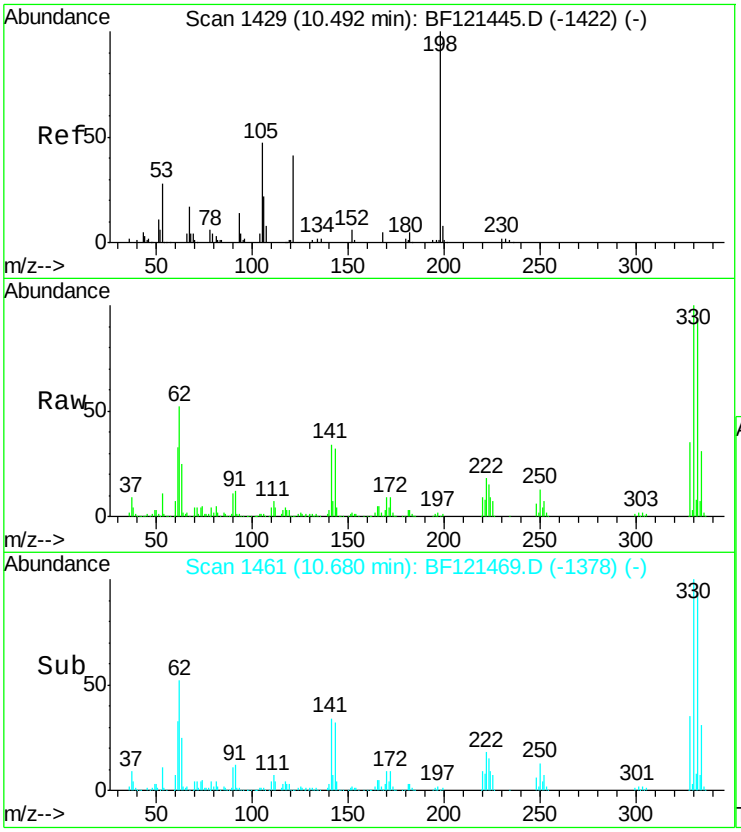


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:188 Resp: 1182505

Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.3	12.5
80	12.0	8.6	13.0



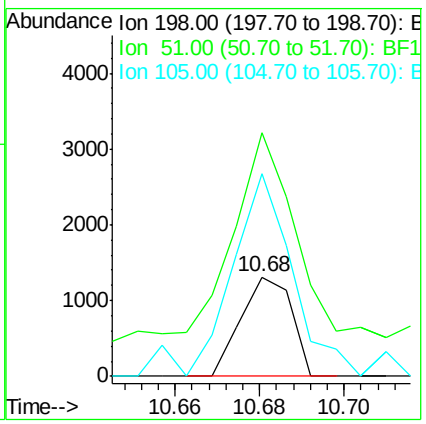


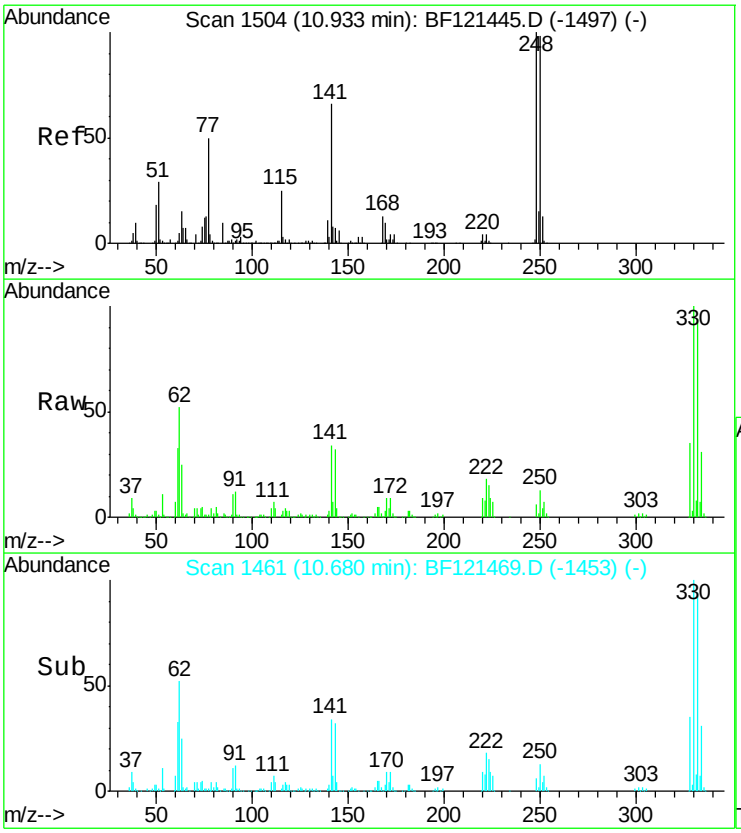
#65
4,6-Dinitro-2-methylphenol
Concen: 5.949 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.19 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:198 Resp: 1096

Ion	Ratio	Lower	Upper
198	100		
51	244.6	29.0	69.0#
105	203.4	29.1	69.1#

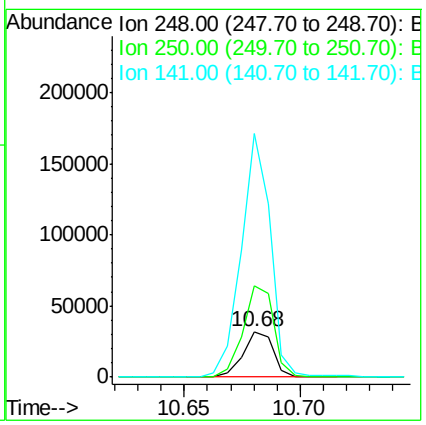


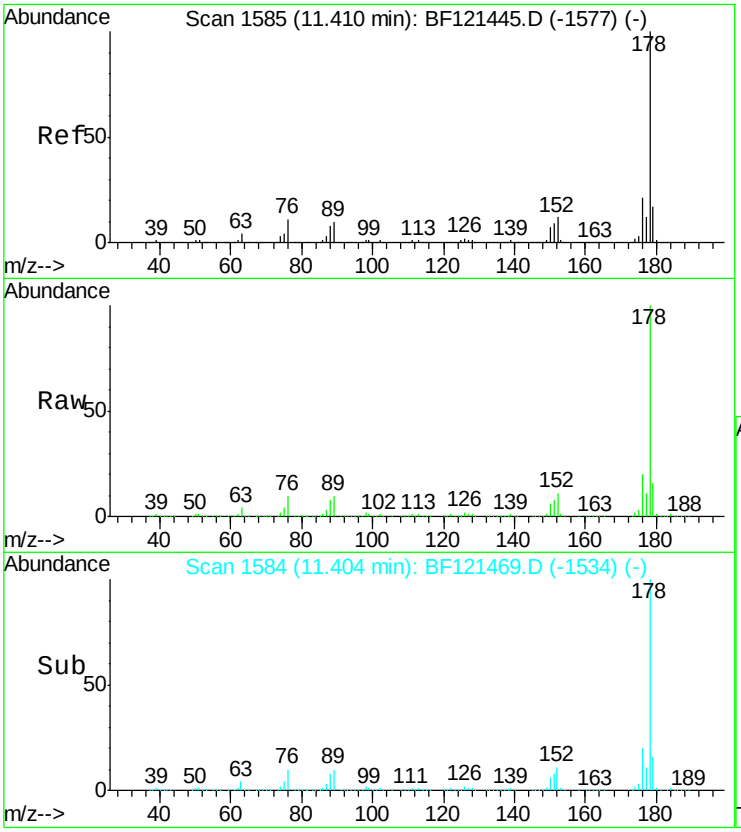


#67
4-Bromophenyl-phenylether
Concen: 2.242 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:248 Resp: 29163

Ion	Ratio	Lower	Upper
248	100		
250	199.8	78.7	118.1#
141	535.5	52.6	78.8#



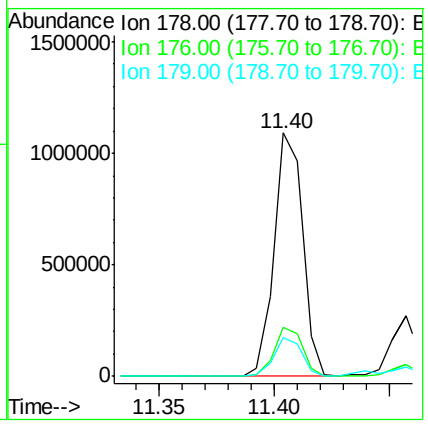


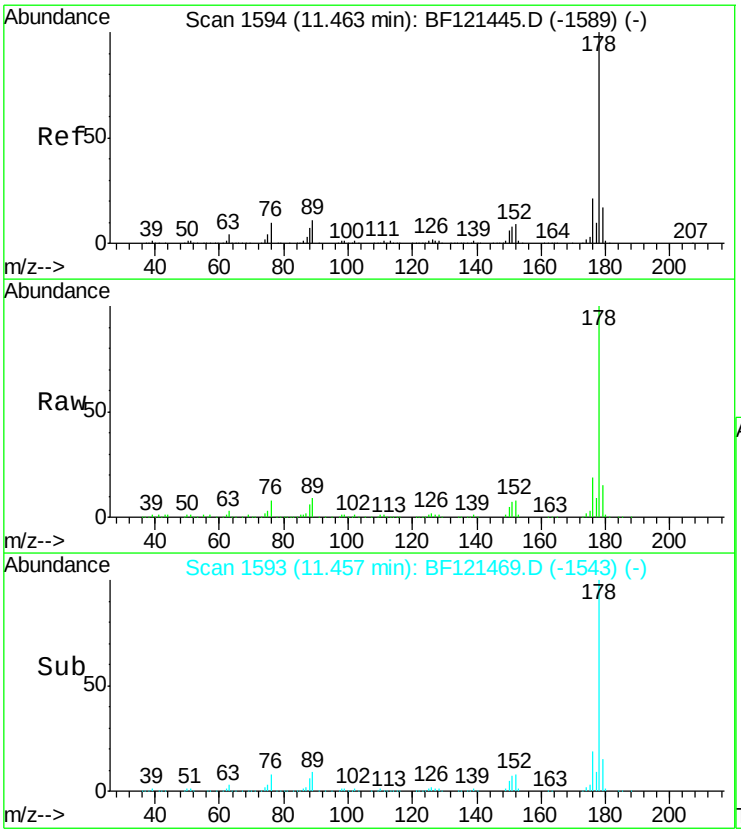
#71
Phenanthrene
Concen: 15.439 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:178 Resp: 936912

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.9	25.3
179	16.2	13.4	20.0

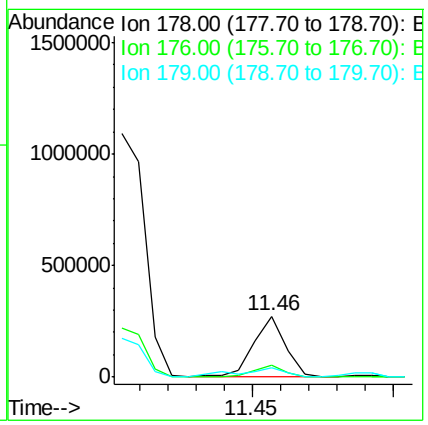


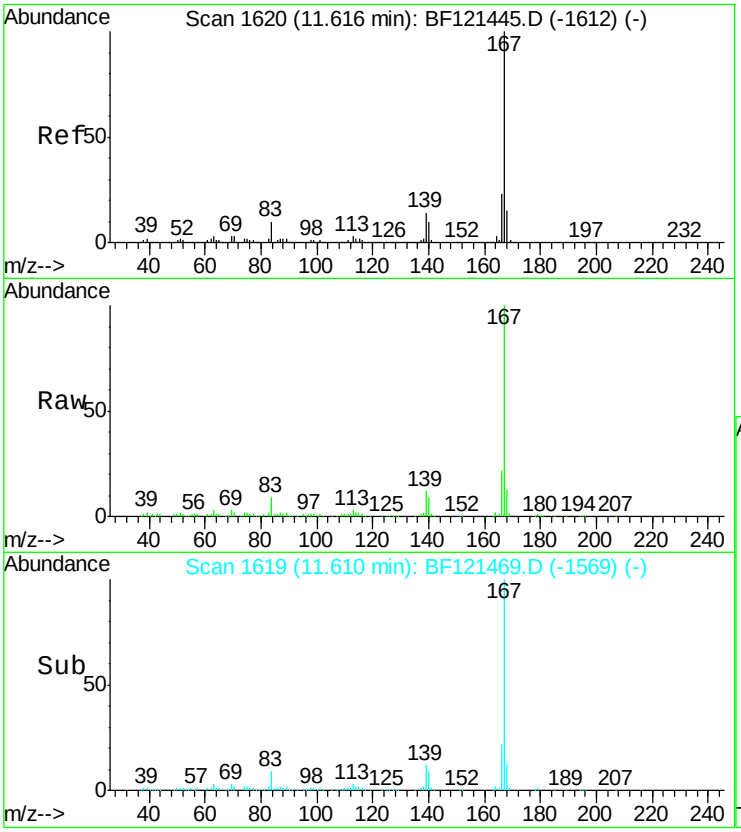


#72
Anthracene
Concen: 3.514 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:178 Resp: 209740

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.7	25.1
179	15.1	13.4	20.2



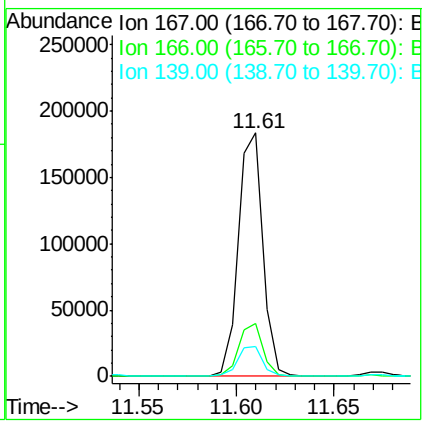


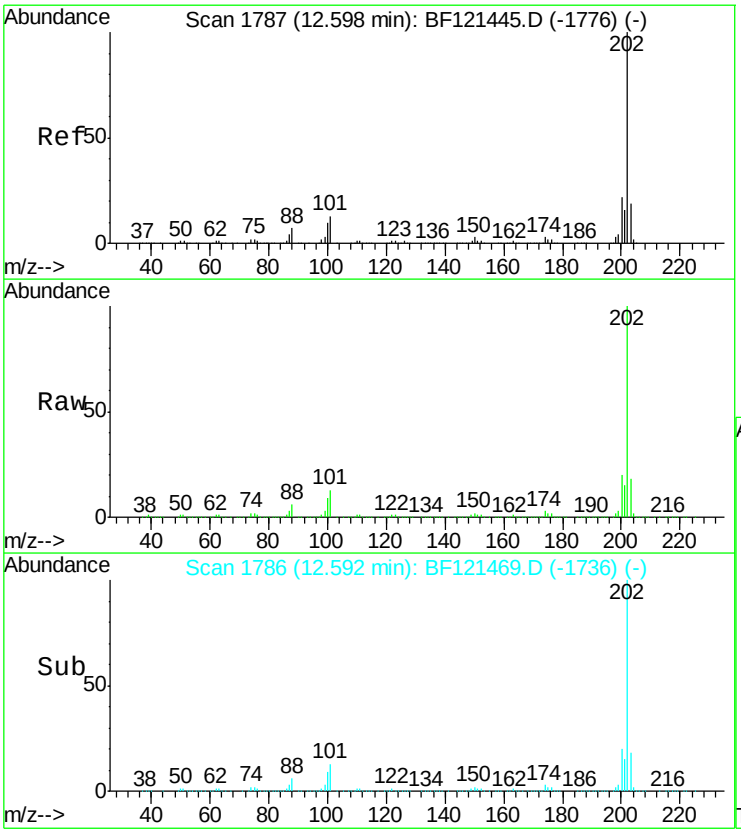
#73
Carbazole
Concen: 2.777 ng
RT: 11.61 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:167 Resp: 159821

Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.4	27.6
139	12.3	11.0	16.6

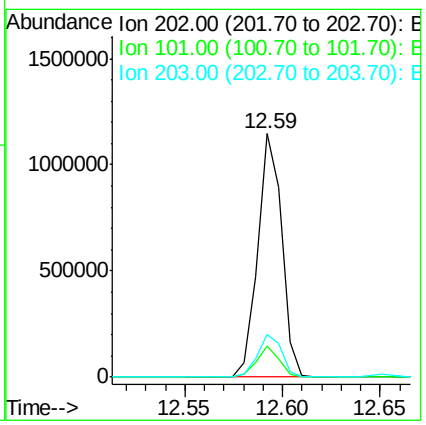


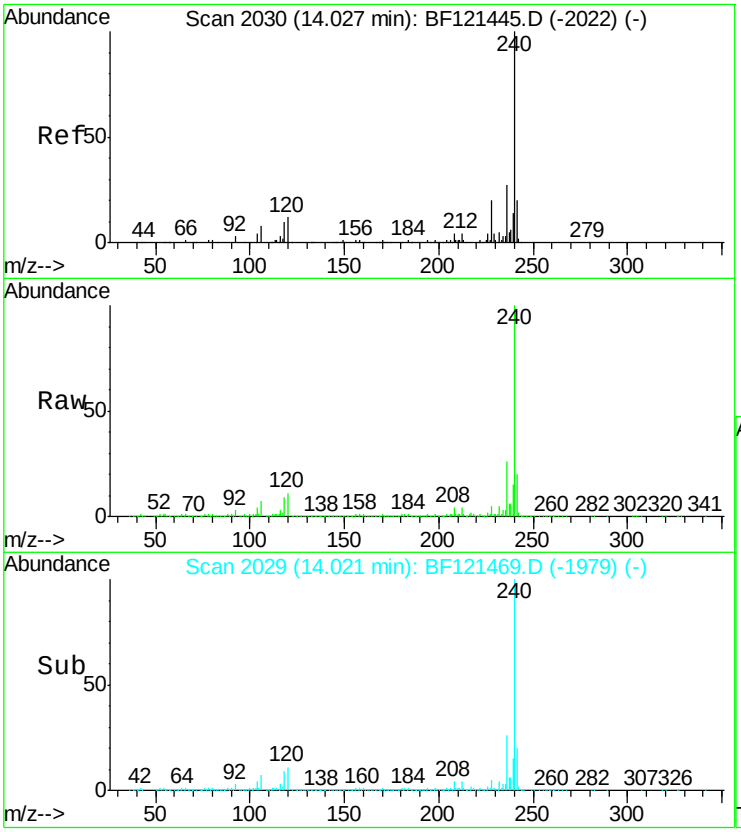


#75
Fluoranthene
Concen: 14.875 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:202 Resp: 972851

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.3
203	17.8	0.0	39.1



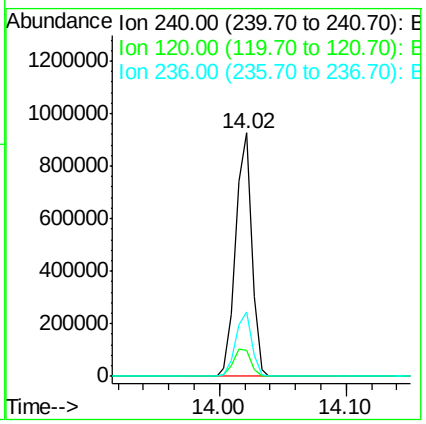


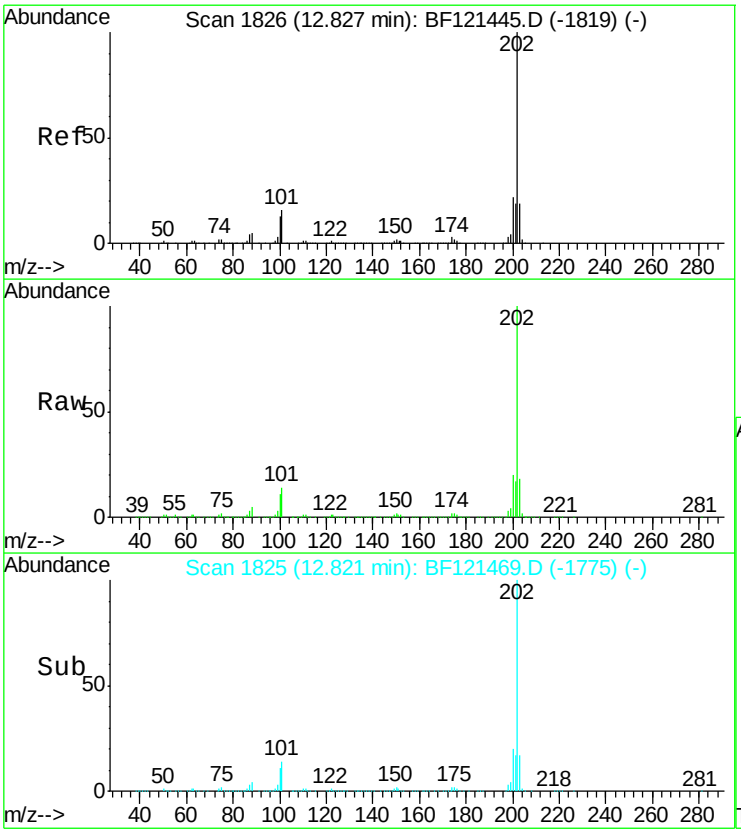
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:240 Resp: 804611

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.5	14.3
236	26.3	21.8	32.6

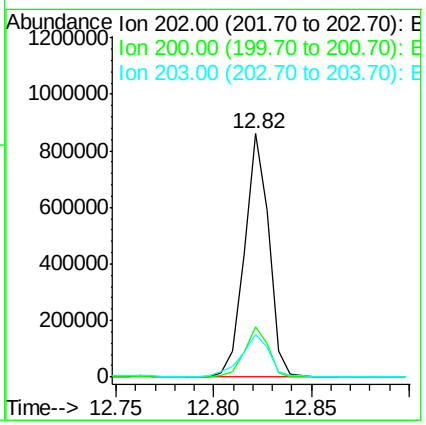


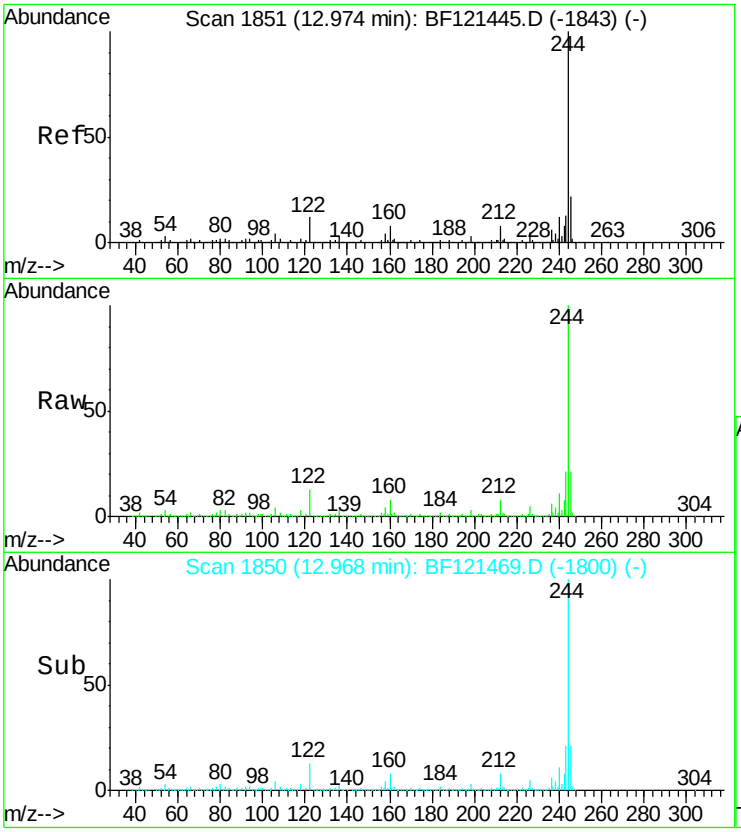


#78
Pyrene
Concen: 12.893 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:202 Resp: 740879

Ion	Ratio	Lower	Upper
202	100		
200	20.5	18.0	27.0
203	17.7	15.3	22.9



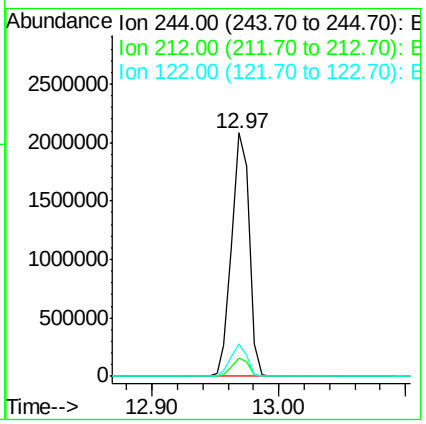


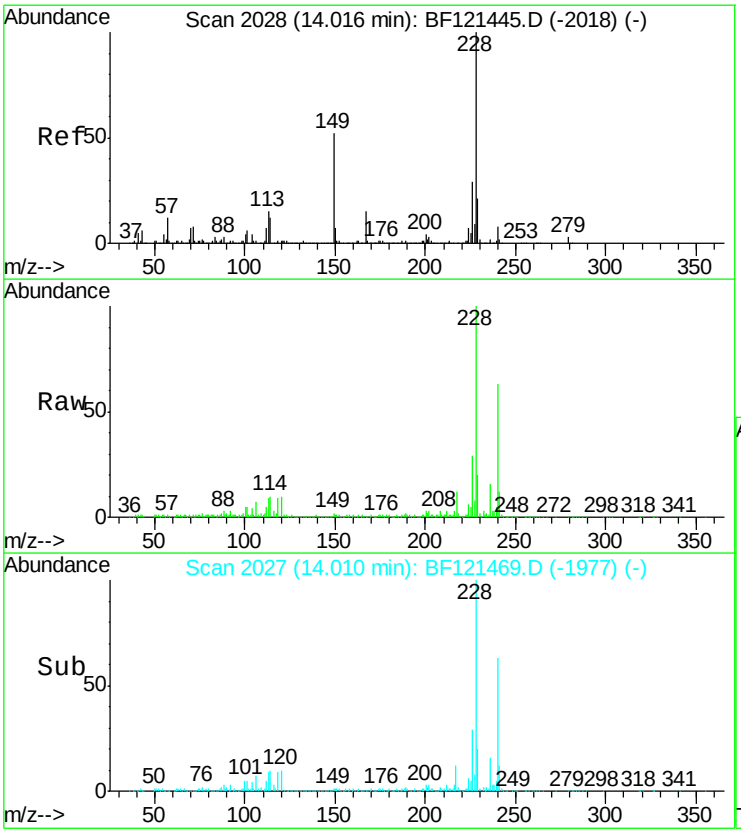
#79
Terphenyl-d14
Concen: 51.429 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:244 Resp: 1965872

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.3	9.5
122	13.3	9.5	14.3

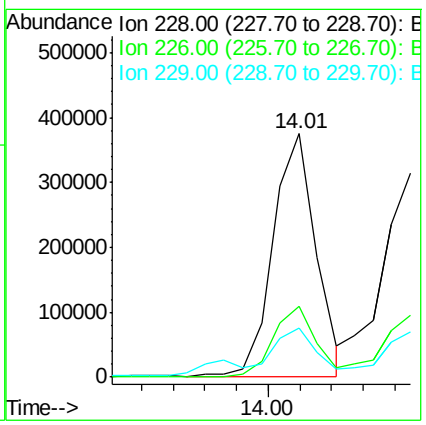


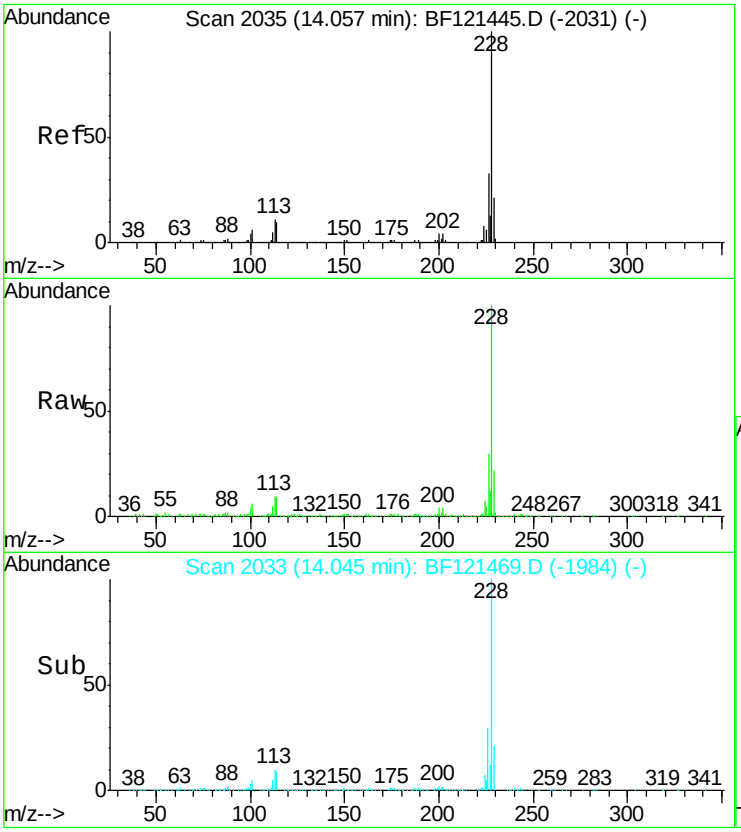


#81
Benzo(a)anthracene
Concen: 7.166 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:228 Resp: 351985

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.0	34.4
229	20.1	16.6	24.8



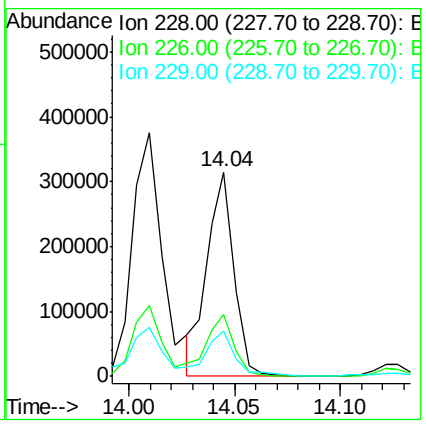


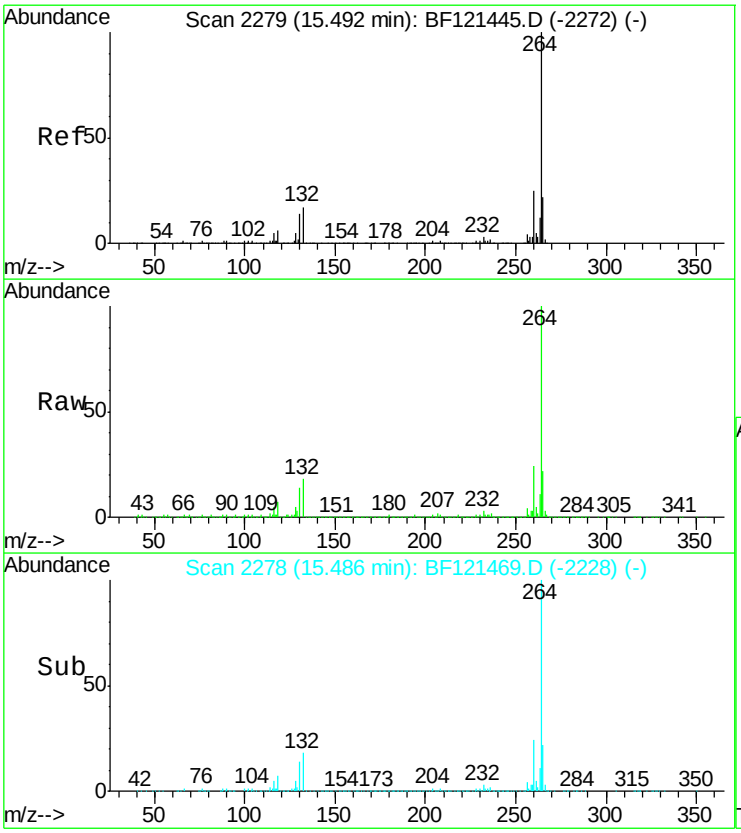
#83
Chrysene
Concen: 5.640 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:228 Resp: 277127

Ion	Ratio	Lower	Upper
228	100		
226	30.5	26.2	39.2
229	22.1	16.6	25.0

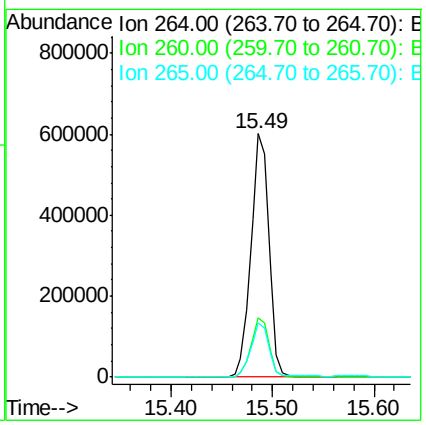


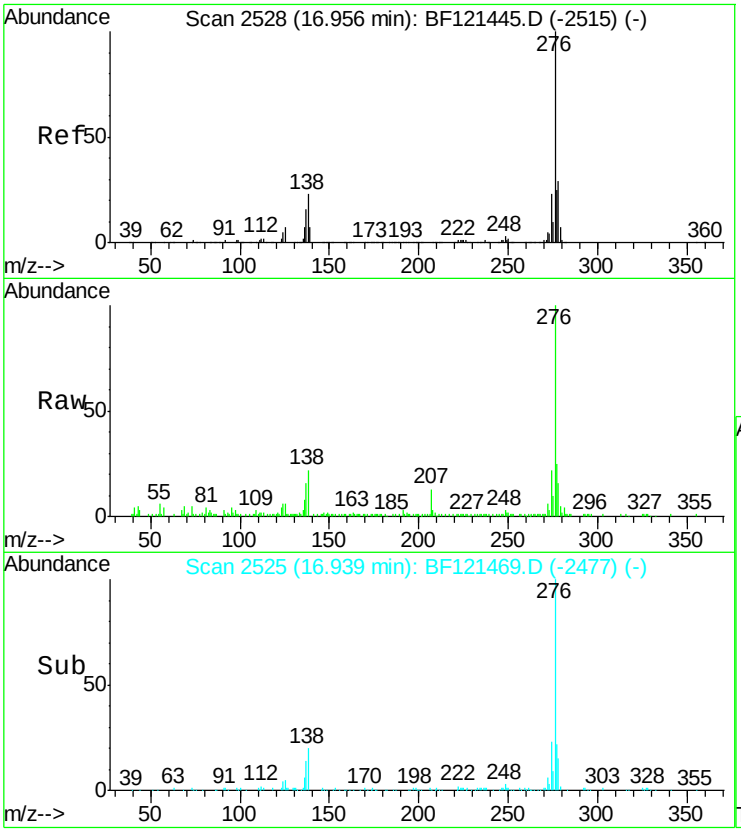


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:264 Resp: 740767

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.2	17.8	26.6



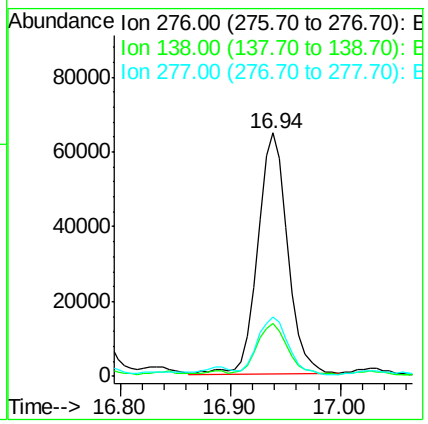


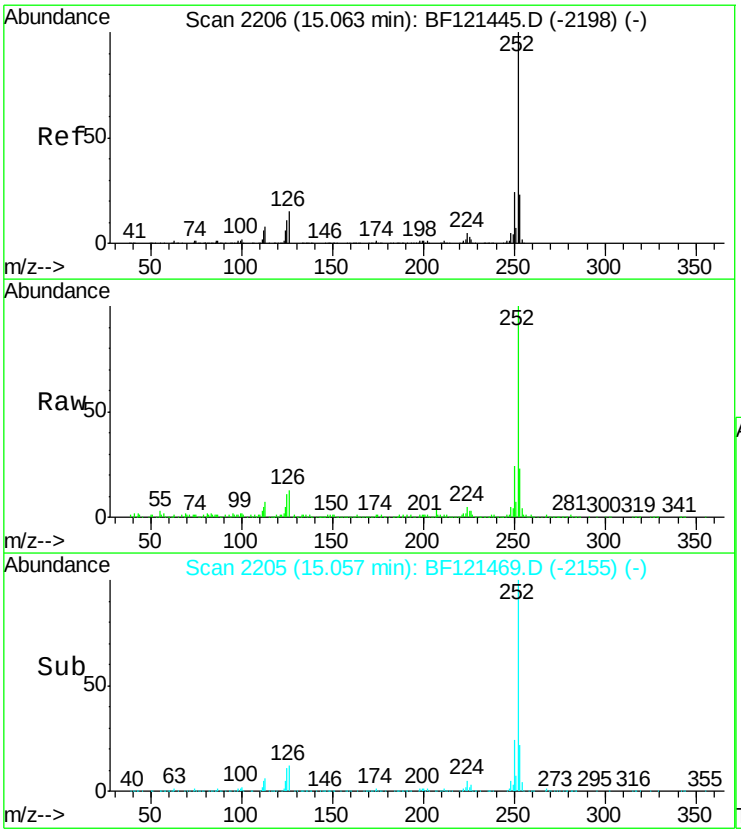
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.675 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.02 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:276 Resp: 121909

Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.6	31.0
277	24.5	20.5	30.7

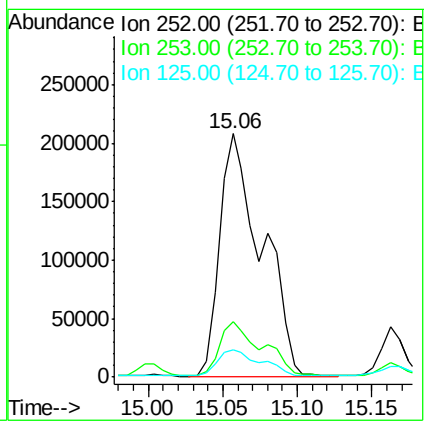


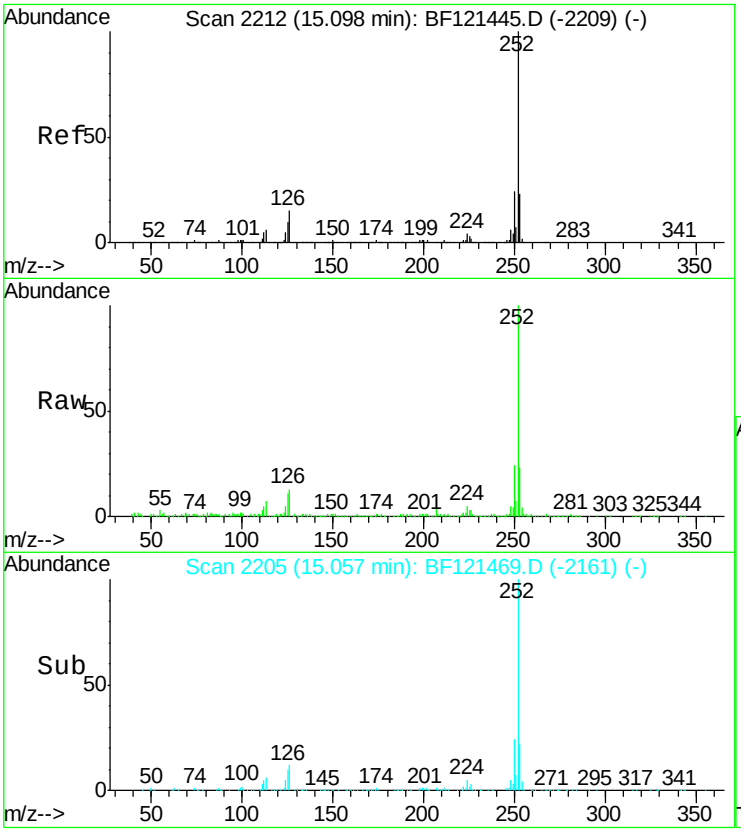


#88
Benzo(b)fluoranthene
Concen: 8.485 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:252 Resp: 408881

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.3	27.5
125	11.3	9.2	13.8



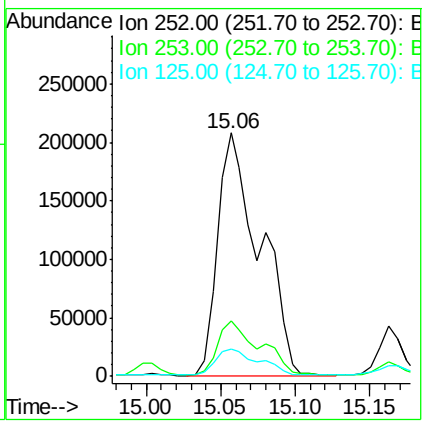


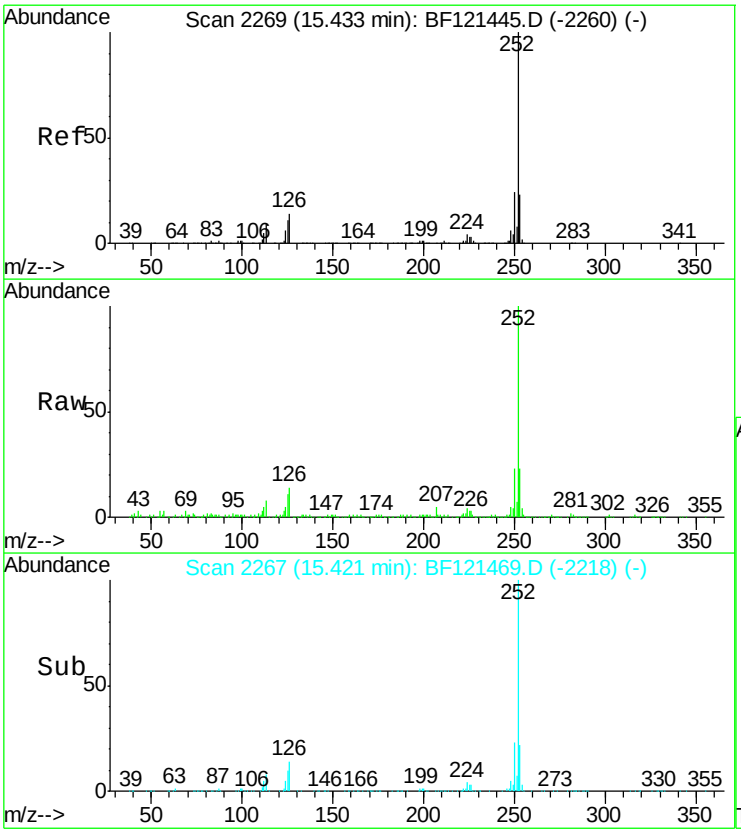
#89
Benzo(k)fluoranthene
Concen: 9.123 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.04 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:252 Resp: 408881

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.3	27.5
125	11.3	8.5	12.7

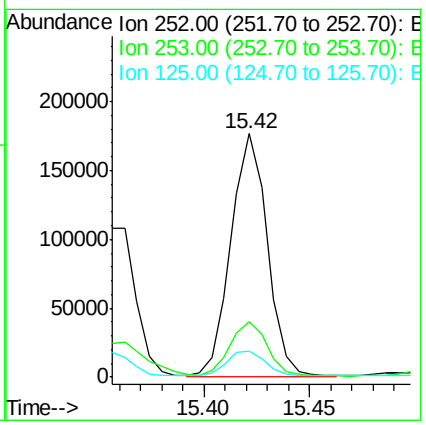


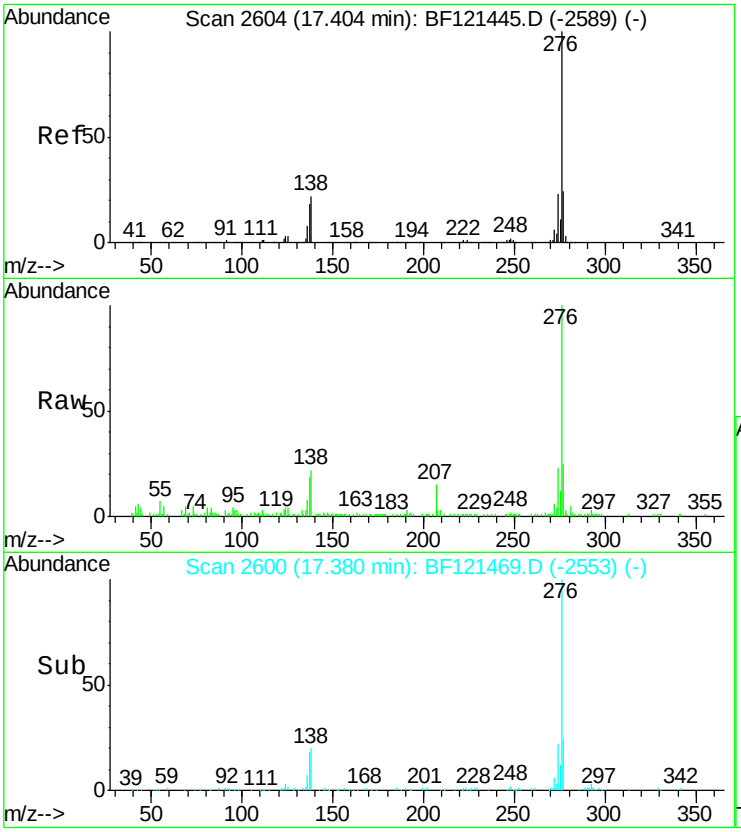


#90
Benzo(a)pyrene
Concen: 4.833 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Tgt Ion:252 Resp: 209407

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.9	9.0	13.4





#92
Benzo(g,h,i)perylene
Concen: 2.992 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.02 min
Lab File: BF121469.D
Acq: 28 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
789UMR-TP13-0612-01

Tgt Ion:276 Resp: 107538

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.9	28.3
138	22.0	17.4	26.0