Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Quant Time: Feb 12 00:04:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	82963	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	316593	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	162306	20.000	ng		-0.01
64) Phenanthrene-d10	11.304	188	241677	20.000	ng		-0.01
76) Chrysene-d12	13.951	240	196323	20.000	ng		-0.01
86) Perylene-d12	15.404	264	214562	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	323100	61.056	ng		0.00
7) Phenol-d6	6.434	99	403612	60.344	ng		0.00
23) Nitrobenzene-d5	7.345	82	265308	43.709	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	89444	54.859	ng		-0.02
45) 2-Fluorobiphenyl	9.139	172	431439	40.953	ng		-0.01
79) Terphenyl-d14	12.892	244	350028	30.099	ng		-0.01
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	35553	8.886	ng	#	76
25) Isophorone	7.345	82	251352	25.971	ng	#	66
50) Dimethylphthalate	9.822	163	25770	2.339	ng	#	1
51) 2,6-Dinitrotoluene	9.822	165	21311	8.847	ng	#	22
52) Acenaphthene	9.851	154	22127	2.378	ng		98
56) 4-Nitrophenol	10.028	139	9557	4.966	ng	#	2
57) 2,4-Dinitrotoluene	9.822	165	21311	6.646	ng	#	18
58) Fluorene	10.369	166	25946	2.457	ng		97
63) Azobenzene	10.533	77	43302	4.018	ng	#	1
67) 4-Bromophenyl-phenylether	10.610	248	6409	2.373	ng	#	1
71) Phenanthrene	11.328	178	319204	23.994	ng		99
72) Anthracene	11.380	178	86148	6.442	ng		98
73) Carbazole	11.539	167	30856	2.564	ng		99
75) Fluoranthene	12.522	202	428808	30.403	ng		99
78) Pyrene	12.751	202	371949	22.256	ng		99
81) Benzo(a)anthracene	13.939	228	258908	19.839	ng		96
83) Chrysene	13.974	228	192616	15.985	ng		98
87) Indeno(1,2,3-cd)pyrene	16.839	276	86497	6.524	ng		97
88) Benzo(b)fluoranthene	14.992	252	351962	24.430	ng		97
89) Benzo(k)fluoranthene	14.992	252	351962	28.610	ng		98
90) Benzo(a)pyrene	15.345	252	185841	15.942	ng		95
91) Dibenzo(a,h)anthracene	16.845	278	27311	2.542	ng	#	90
92) Benzo(g,h,i)perylene	17.268	276	70399	6.262	ng		98

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

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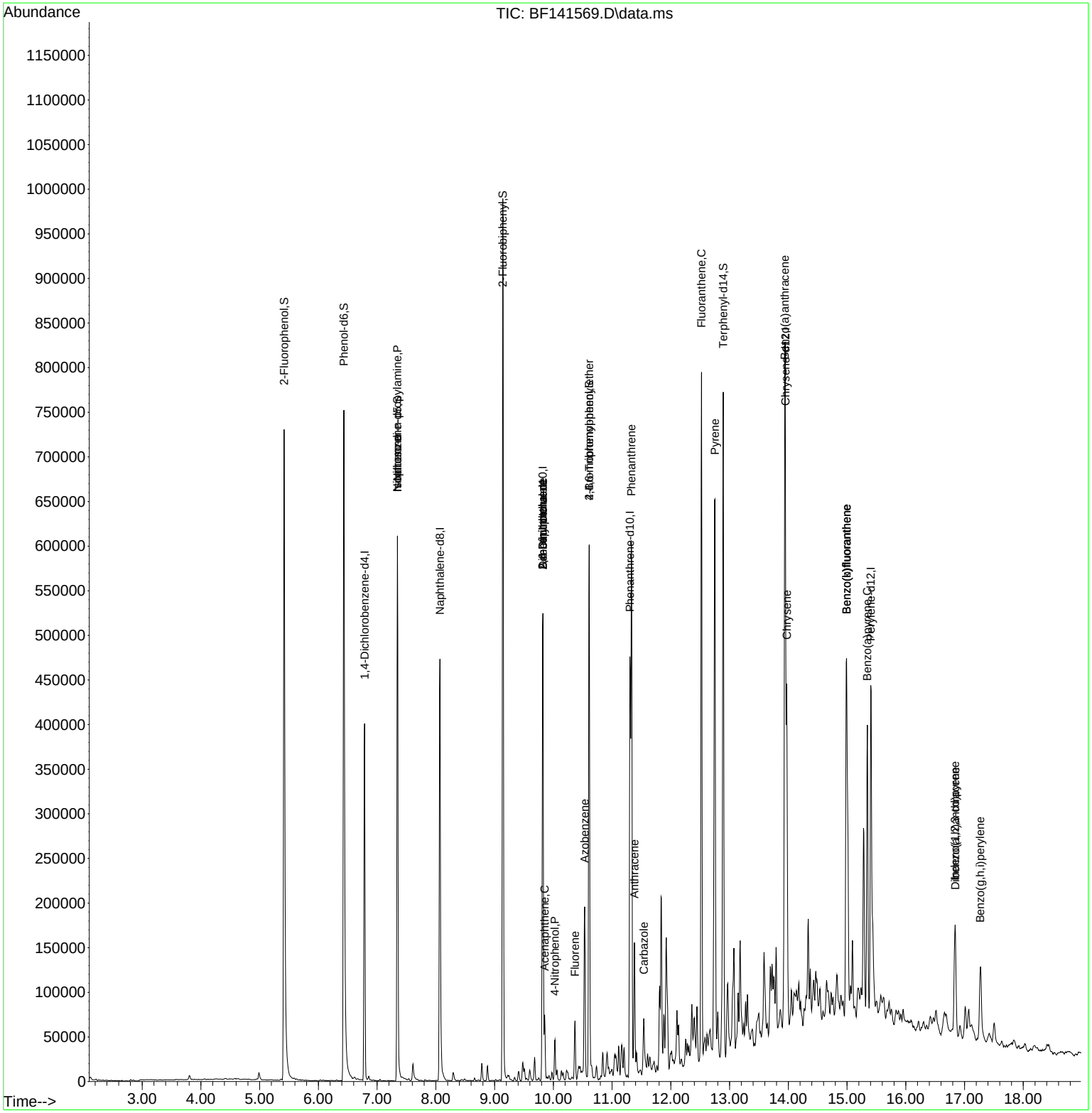
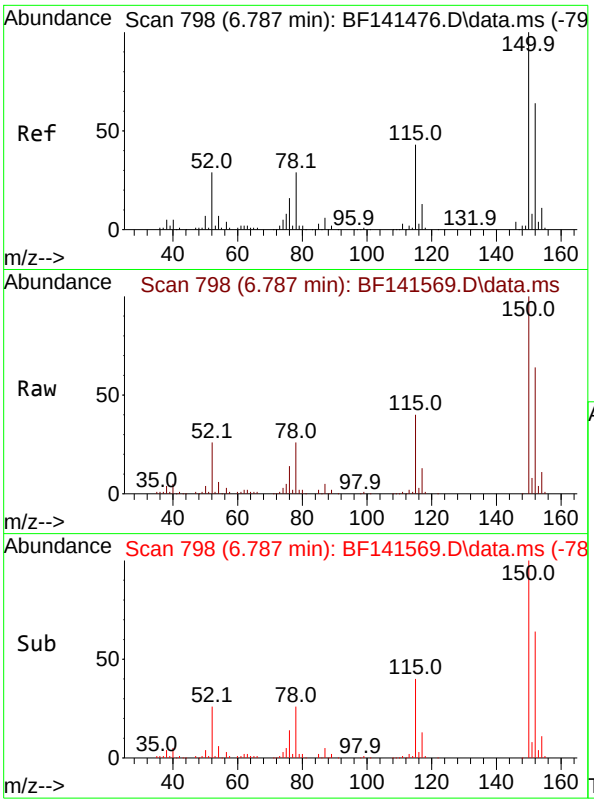
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Quant Time: Feb 12 00:04:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



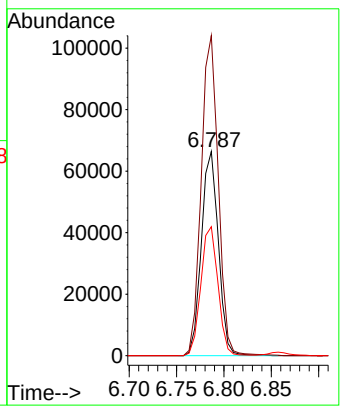


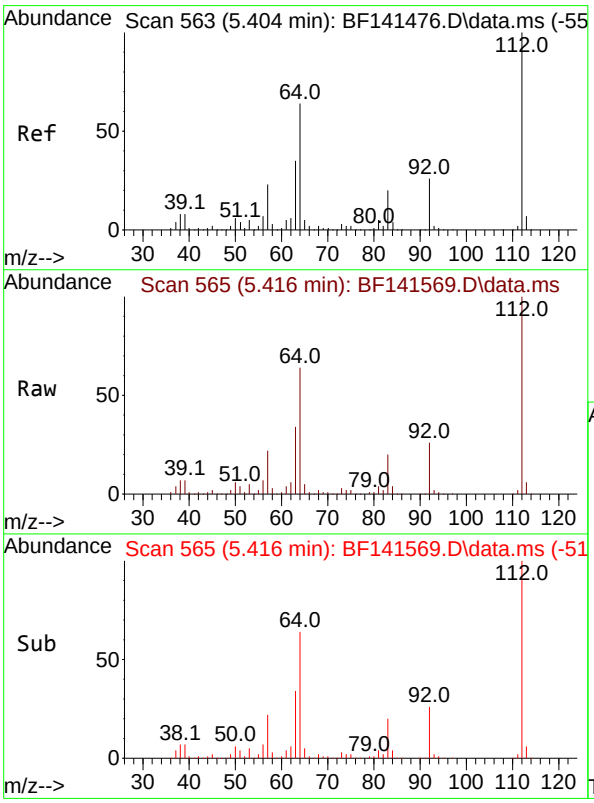
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:152 Resp: 82963

Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.0	187.4
115	63.2	53.6	80.4

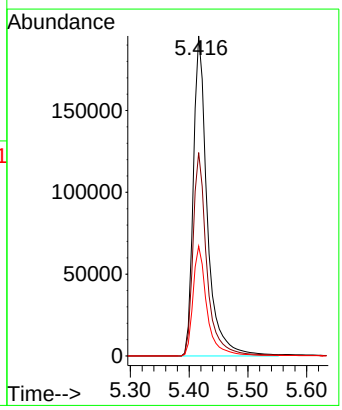


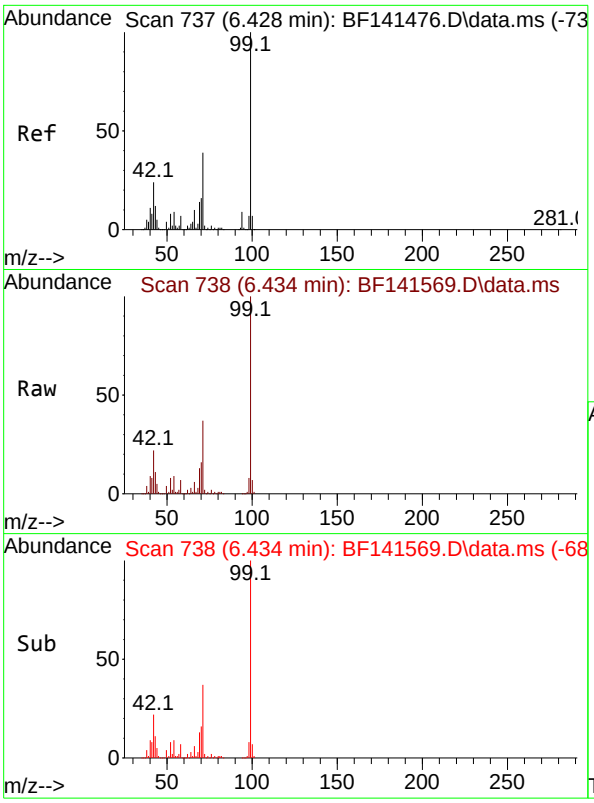


#5
2-Fluorophenol
Concen: 61.056 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:112 Resp: 323100

Ion	Ratio	Lower	Upper
112	100		
64	63.5	51.1	76.7
63	34.3	28.4	42.6



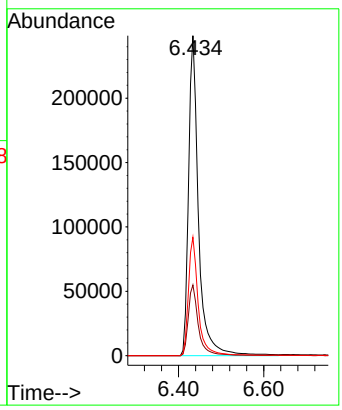


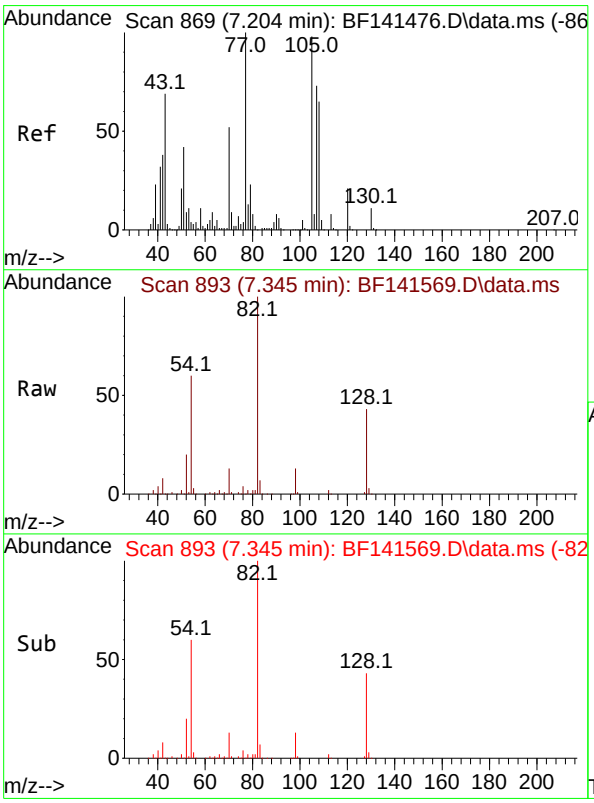
#7
Phenol-d6
Concen: 60.344 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion: 99 Resp: 403612

Ion	Ratio	Lower	Upper
99	100		
42	22.1	19.1	28.7
71	37.0	31.1	46.7

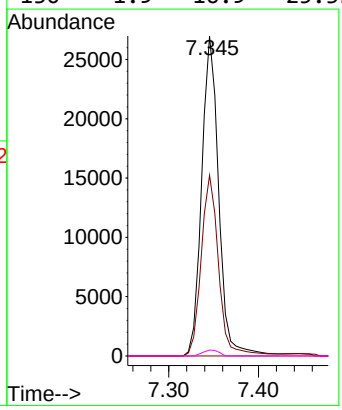


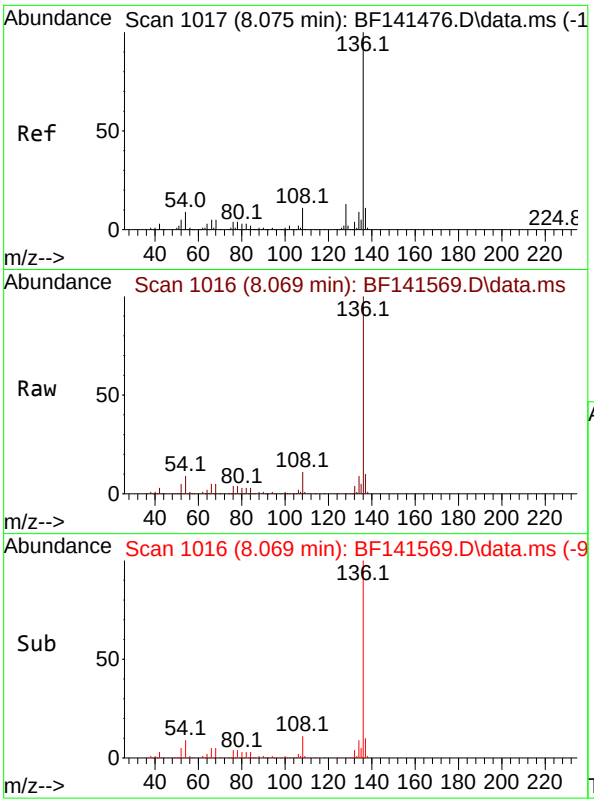


#19
n-Nitroso-di-n-propylamine
Concen: 8.886 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion: 70 Resp: 35553

Ion	Ratio	Lower	Upper
70	100		
42	56.5	57.4	86.2#
101	0.0	8.0	12.0#
130	1.9	16.9	25.3#



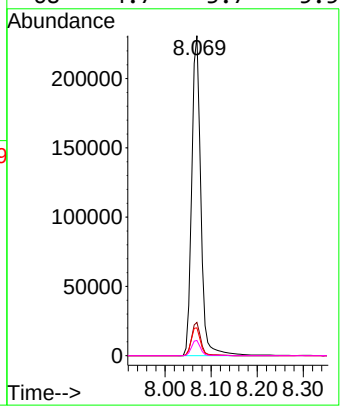


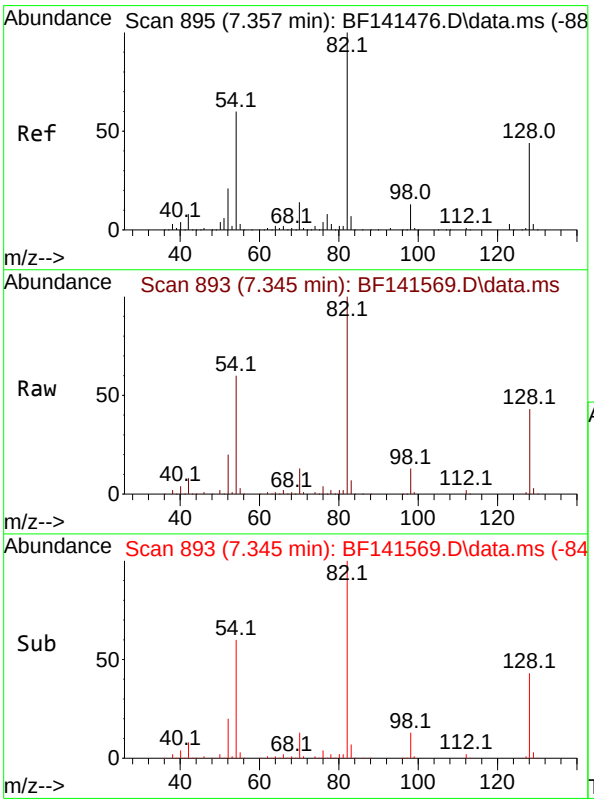
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:136 Resp: 316593

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.7	7.2	10.8
68	4.7	3.7	5.5

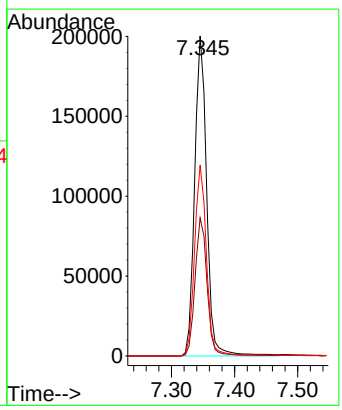


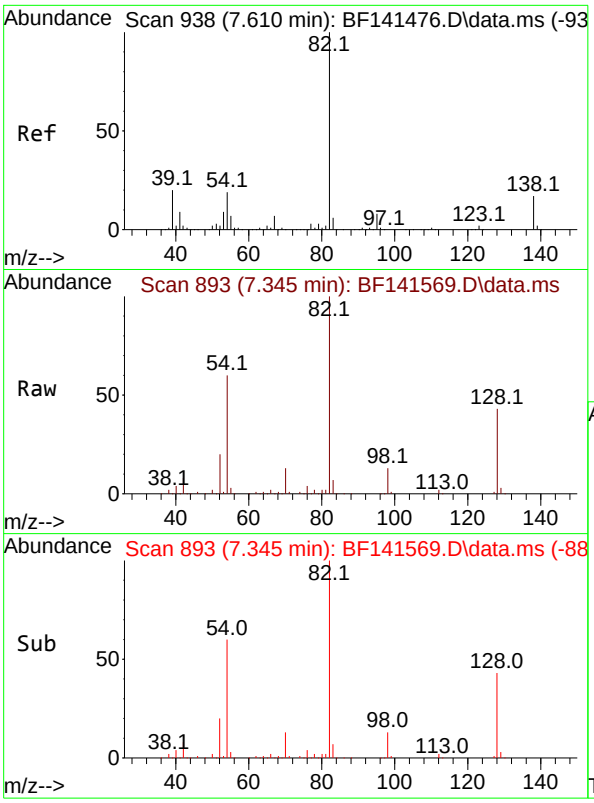


#23
Nitrobenzene-d5
Concen: 43.709 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion: 82 Resp: 265308

Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.8	52.2
54	59.6	48.2	72.4



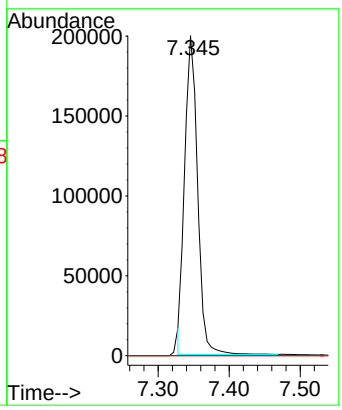


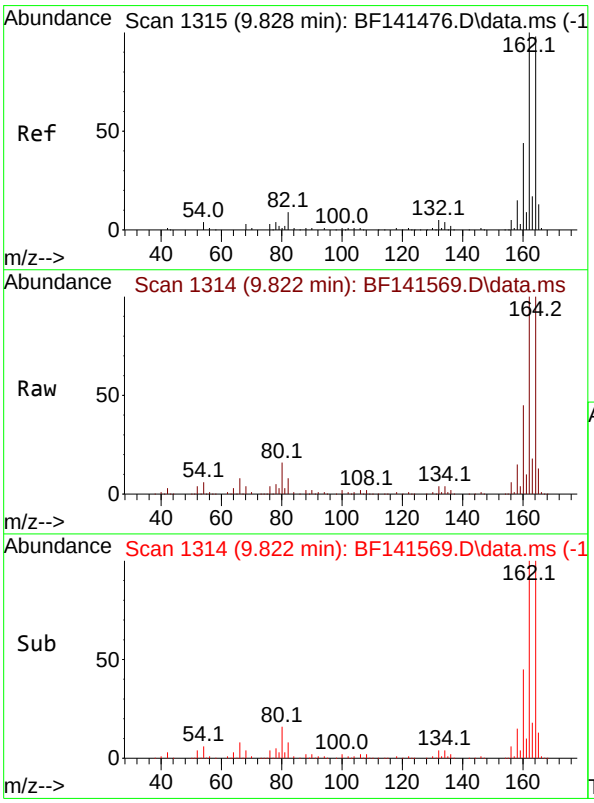
#25
Isophorone
Concen: 25.971 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.276 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion: 82 Resp: 251352

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.4	9.6#
138	0.0	13.9	20.9#

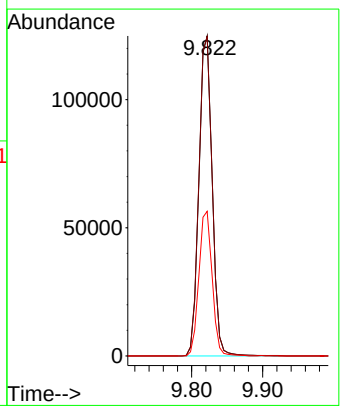


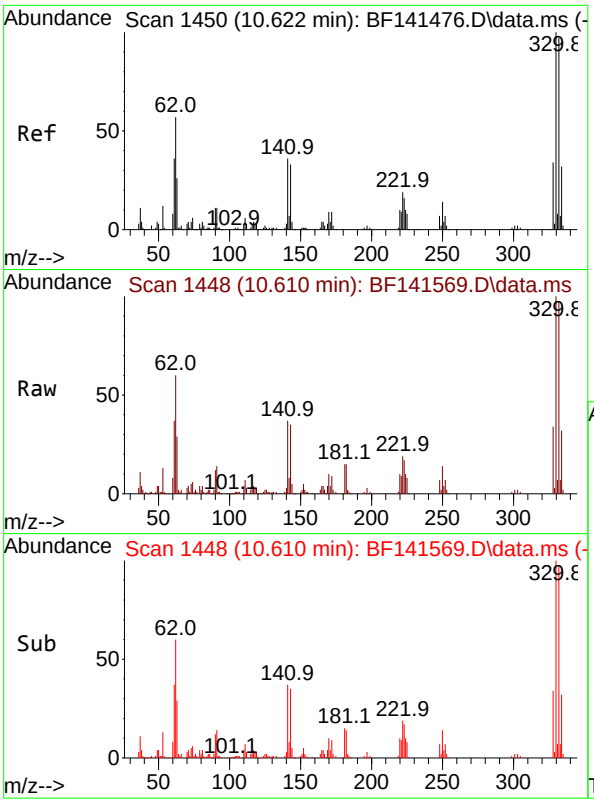


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:164 Resp: 162306

Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.3	121.9
160	45.2	35.9	53.9



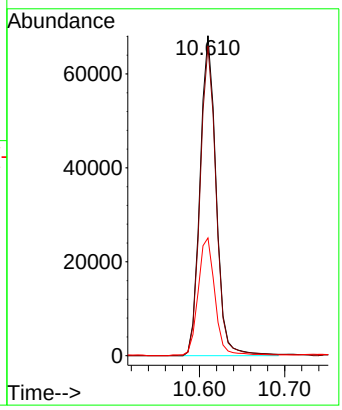


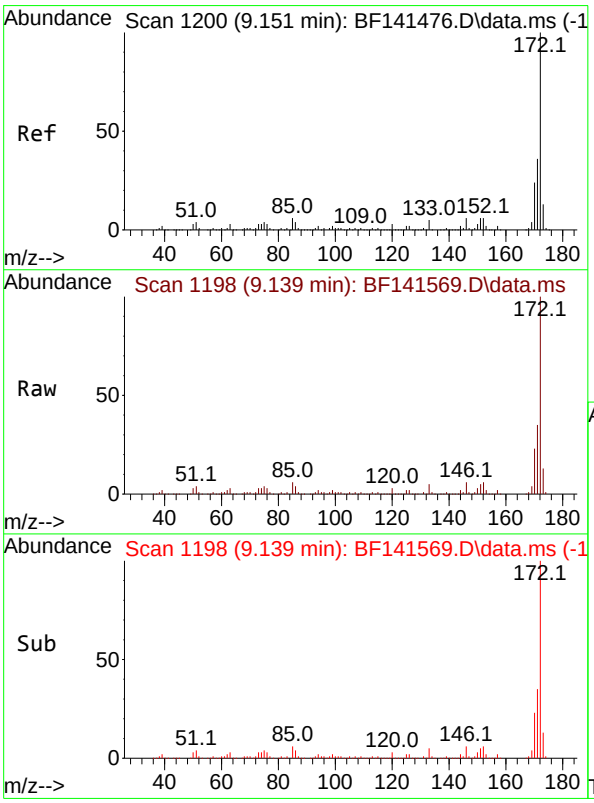
#42
2,4,6-Tribromophenol
Concen: 54.859 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:330 Resp: 89444

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.5	117.7
141	38.9	31.0	46.4

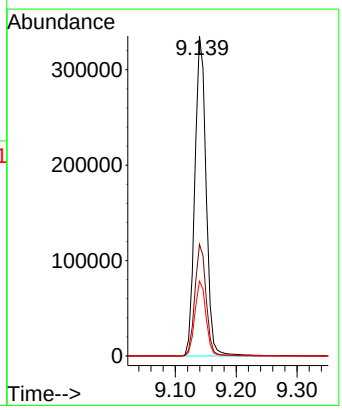


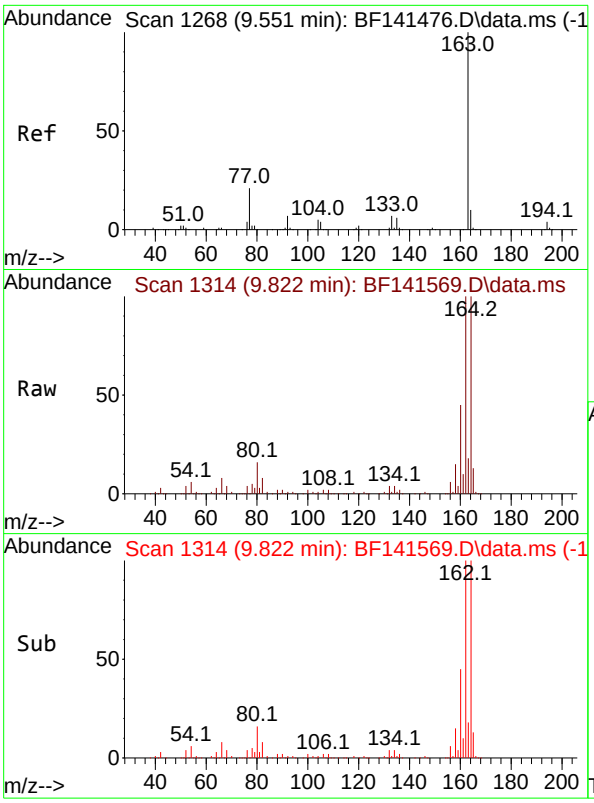


#45
2-Fluorobiphenyl
Concen: 40.953 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:172 Resp: 431439

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	23.4	18.9	28.3



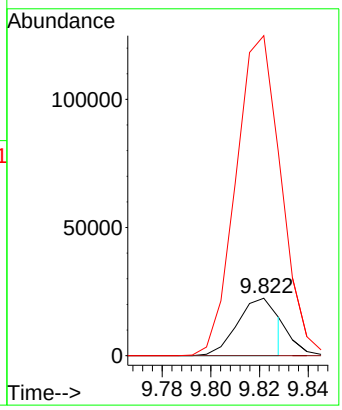


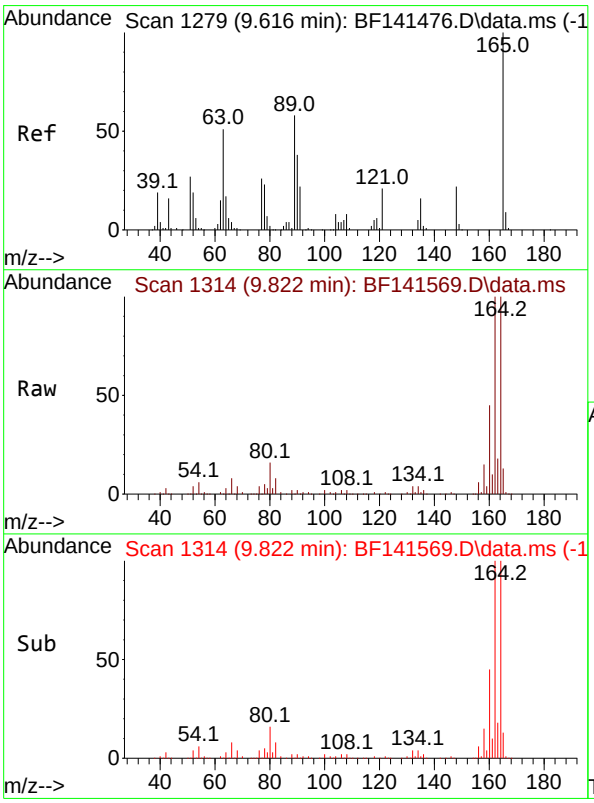
#50
Dimethylphthalate
Concen: 2.339 ng
RT: 9.822 min Scan# 1
Delta R.T. 0.259 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:163 Resp: 25770

Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.0	4.4#
164	557.2	7.9	11.9#

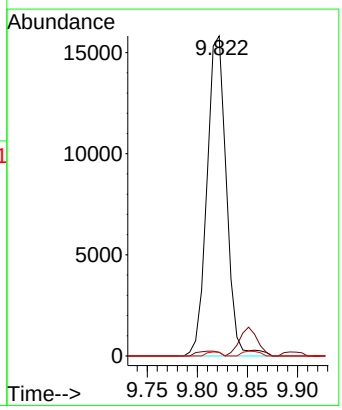


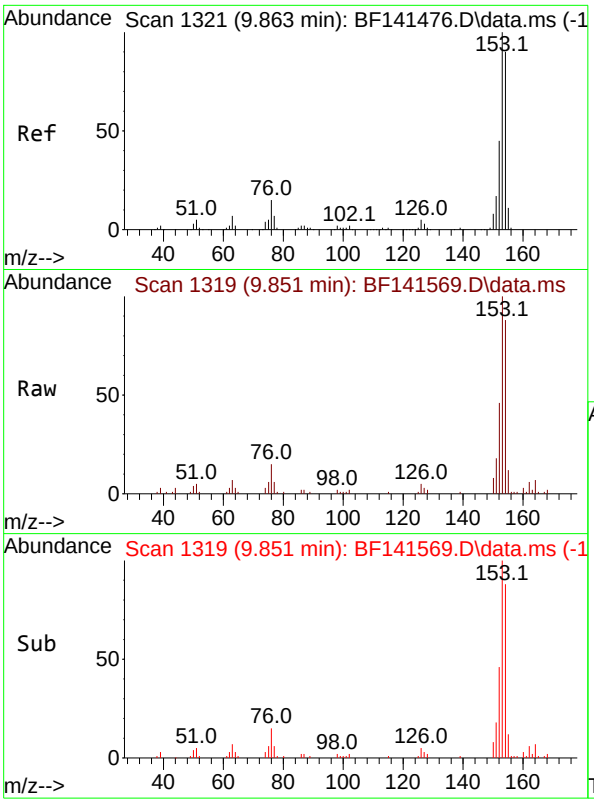


#51
2,6-Dinitrotoluene
Concen: 8.847 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:165 Resp: 21311

Ion	Ratio	Lower	Upper
165	100		
63	1.1	49.4	74.0#
89	1.2	46.5	69.7#



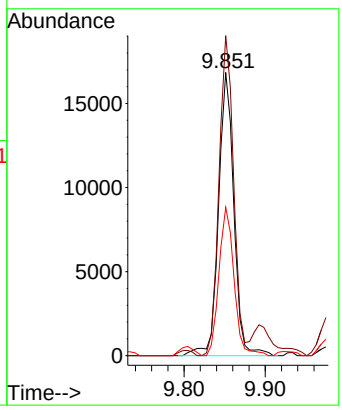


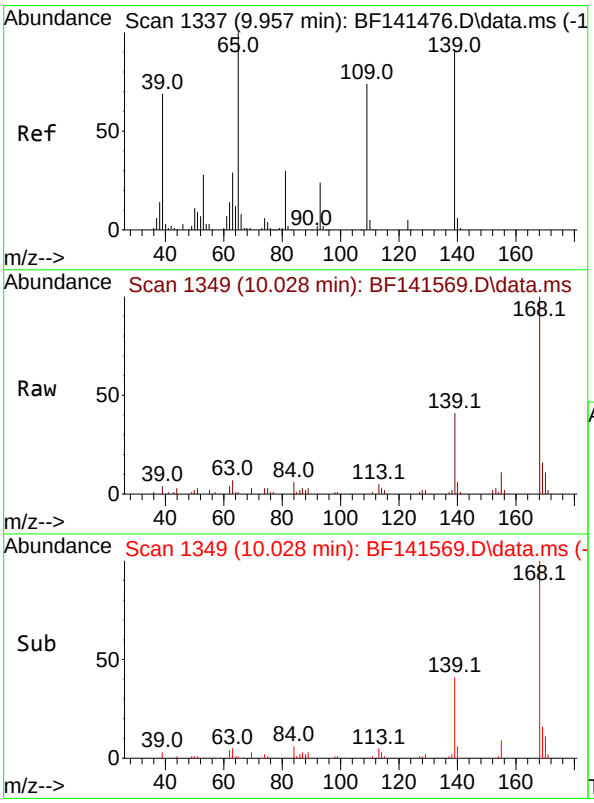
#52
Acenaphthene
Concen: 2.378 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:154 Resp: 22127

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.2	133.8
152	52.4	39.8	59.8

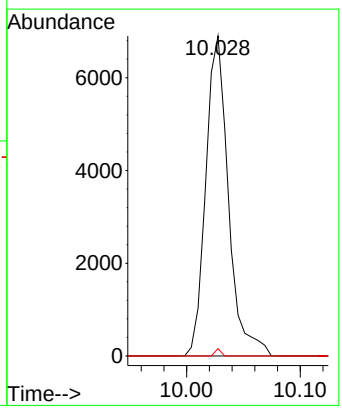


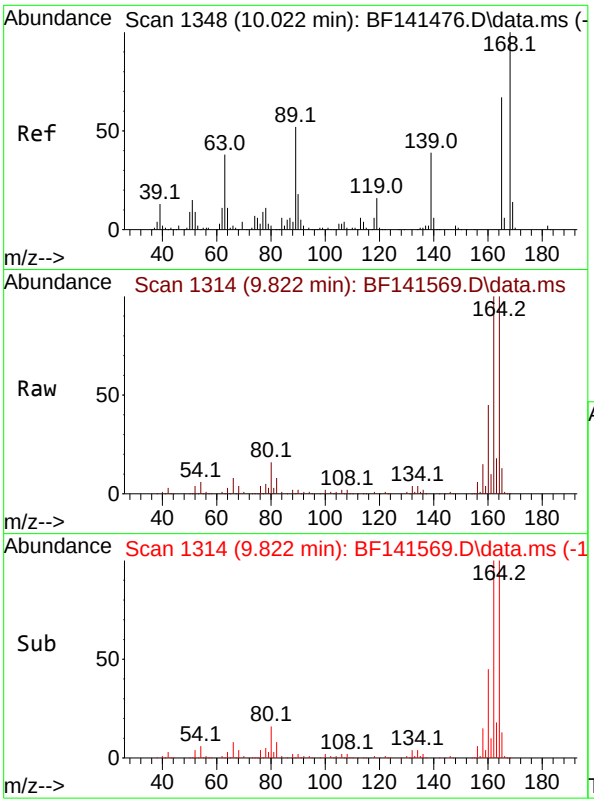


#56
4-Nitrophenol
Concen: 4.966 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.059 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:139 Resp: 9557

Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.0	102.0#
65	2.3	91.2	131.2#



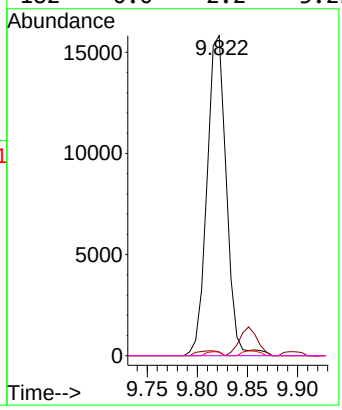


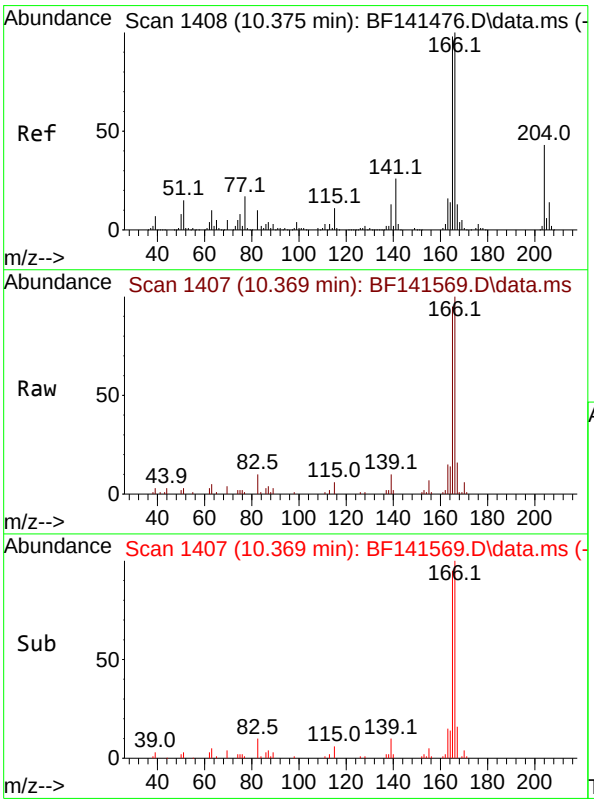
#57
2,4-Dinitrotoluene
Concen: 6.646 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.206 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:165 Resp: 21311

Ion	Ratio	Lower	Upper
165	100		
63	1.1	46.4	69.6#
89	1.2	61.8	92.6#
182	0.0	2.2	3.2#

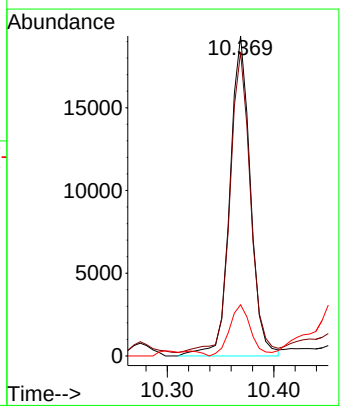


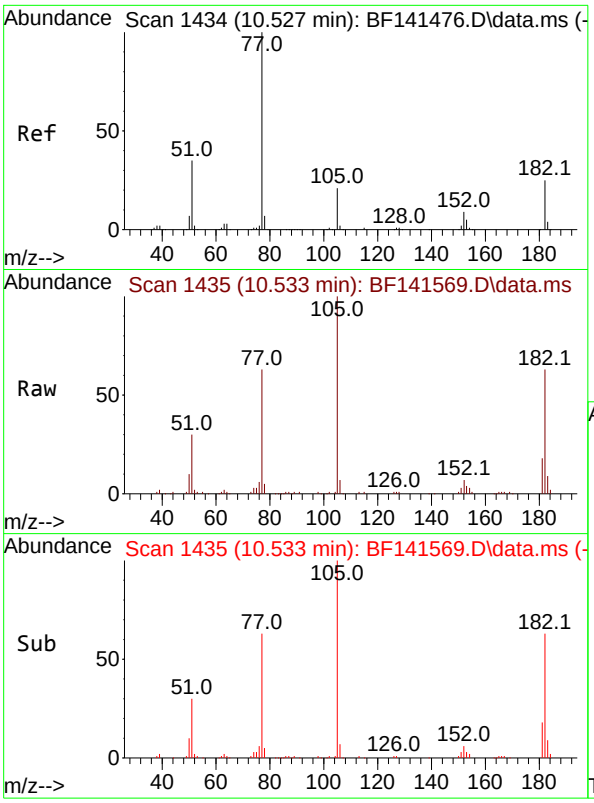


#58
Fluorene
Concen: 2.457 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:166 Resp: 25946

Ion	Ratio	Lower	Upper
166	100		
165	95.0	78.2	117.2
167	16.0	10.7	16.1



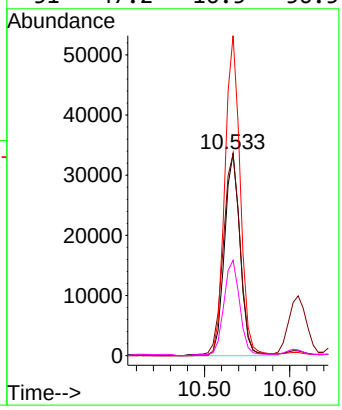


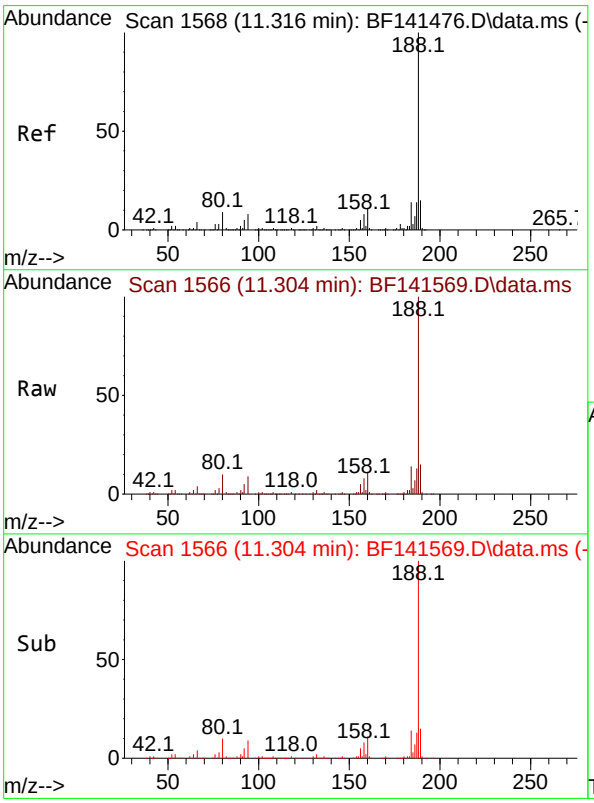
#63
Azobenzene
Concen: 4.018 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion: 77 Resp: 43302

Ion	Ratio	Lower	Upper
77	100		
182	99.8	4.7	44.7#
105	158.3	0.4	40.4#
51	47.2	16.5	56.5

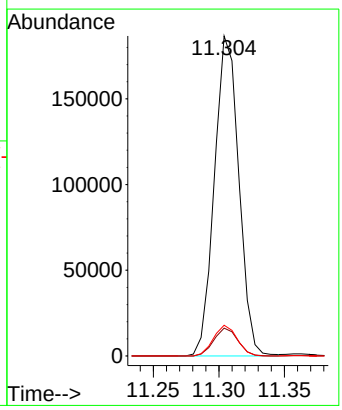


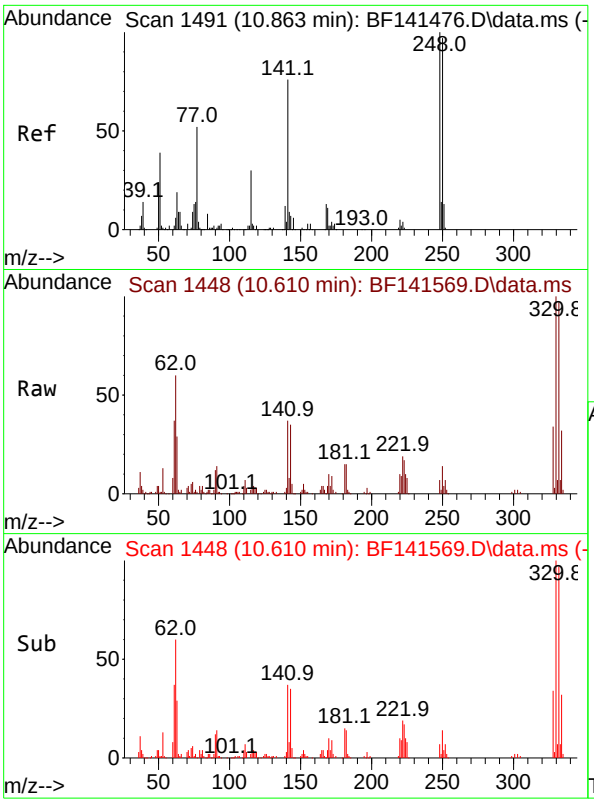


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:188 Resp: 241677

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.6	7.3	10.9



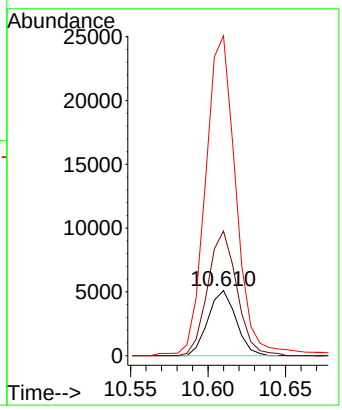


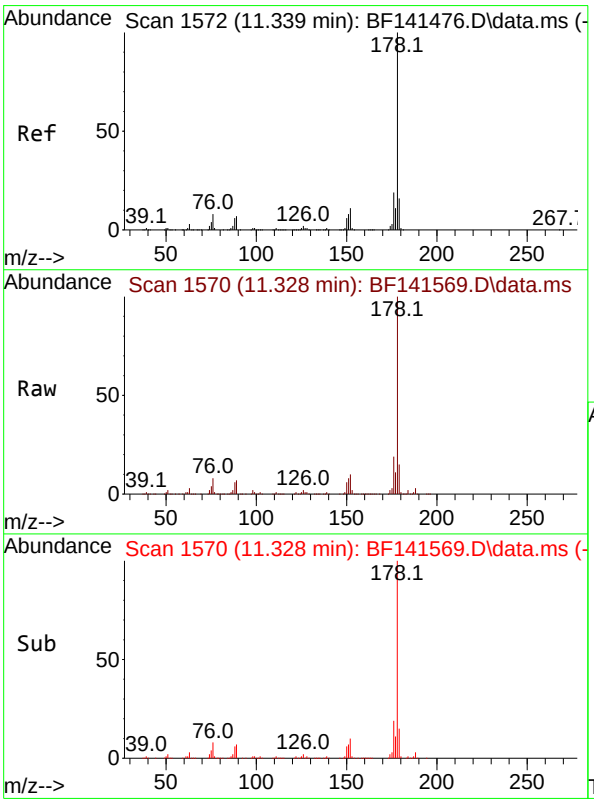
#67
4-Bromophenyl-phenylether
Concen: 2.373 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:248 Resp: 6409

Ion	Ratio	Lower	Upper
248	100		
250	191.3	77.8	116.6#
141	491.0	60.6	90.8#

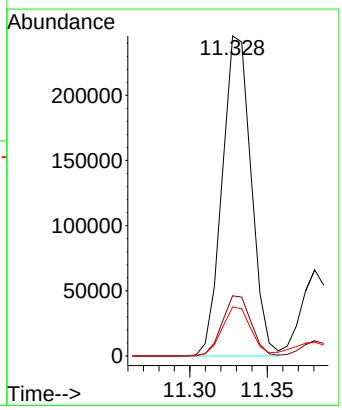


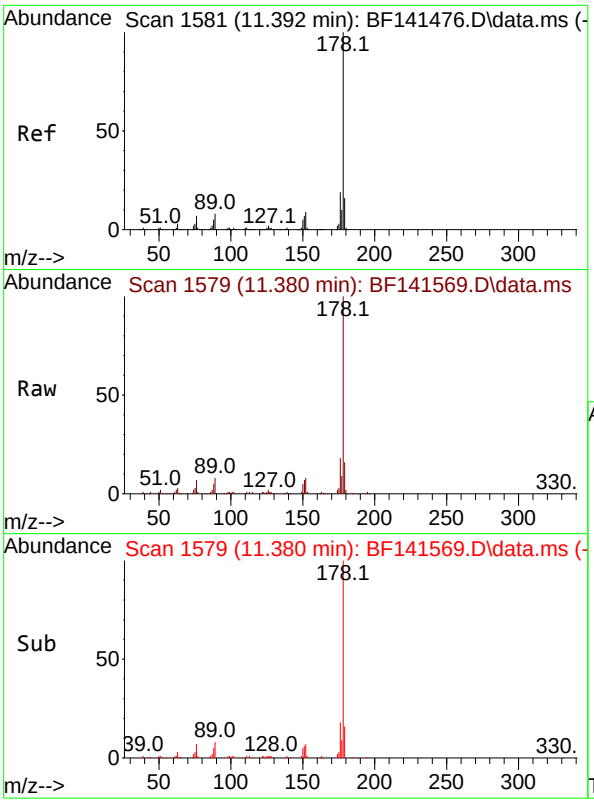


#71
Phenanthrene
Concen: 23.994 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.017 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:178 Resp: 319204

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.3	12.4	18.6



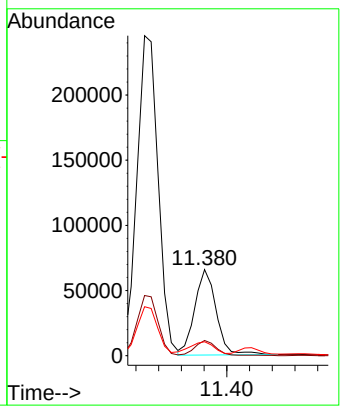


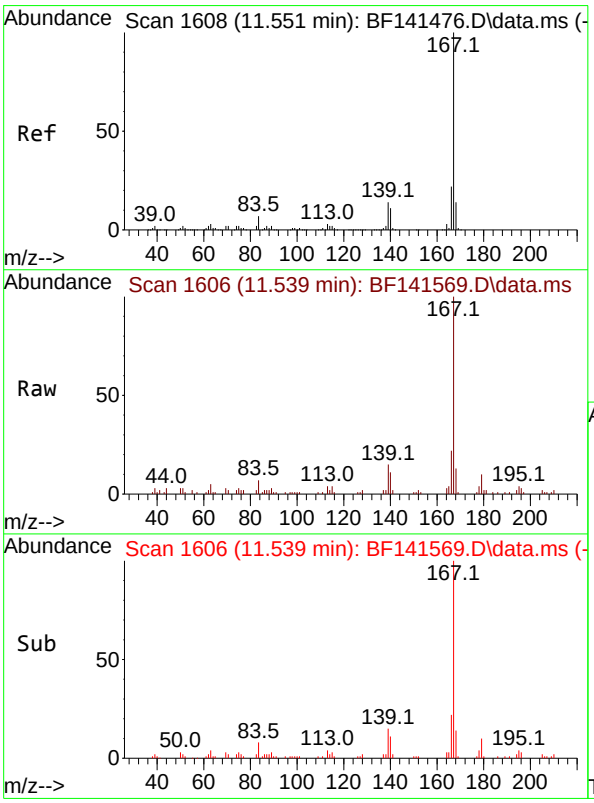
#72
Anthracene
Concen: 6.442 ng
RT: 11.380 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:178 Resp: 86148

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.8	22.2
179	16.1	12.4	18.6

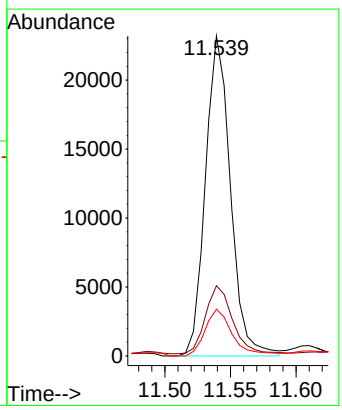


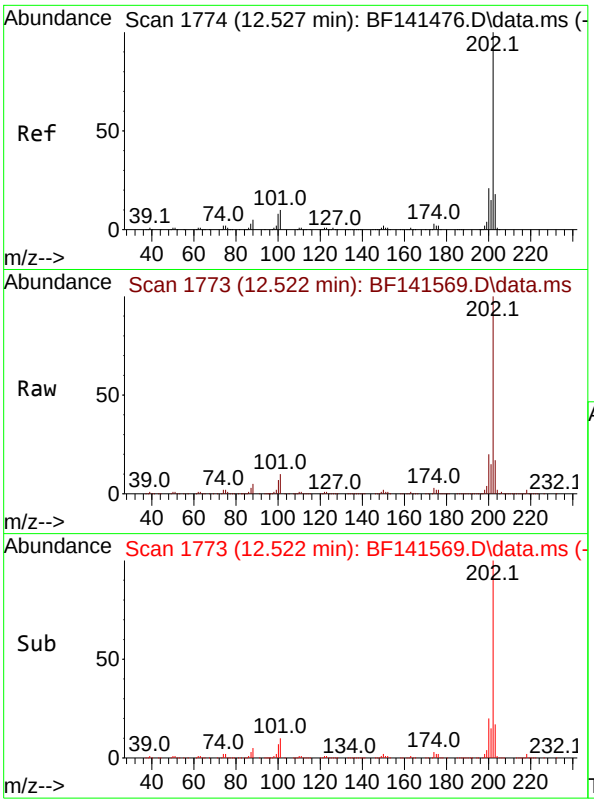


#73
Carbazole
Concen: 2.564 ng
RT: 11.539 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:167 Resp: 30856

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	14.6	10.9	16.3



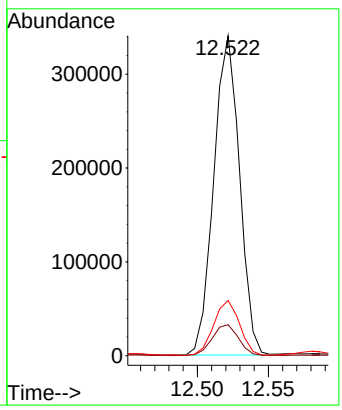


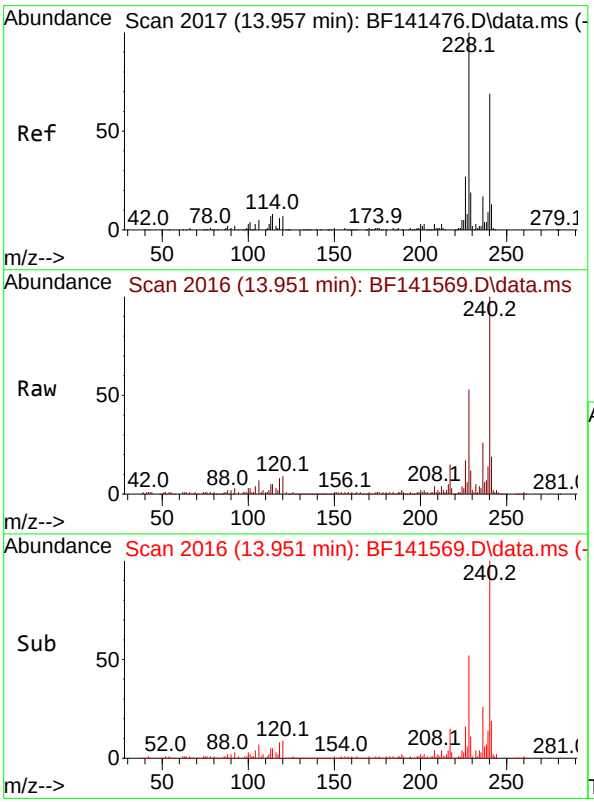
#75
Fluoranthene
Concen: 30.403 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:202 Resp: 428808

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.2
203	17.3	0.0	37.6

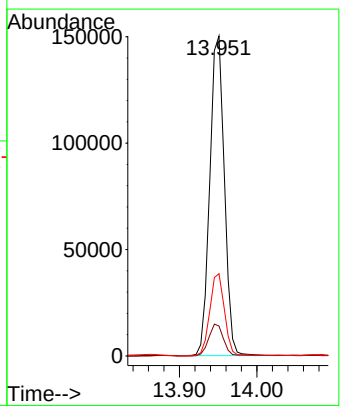


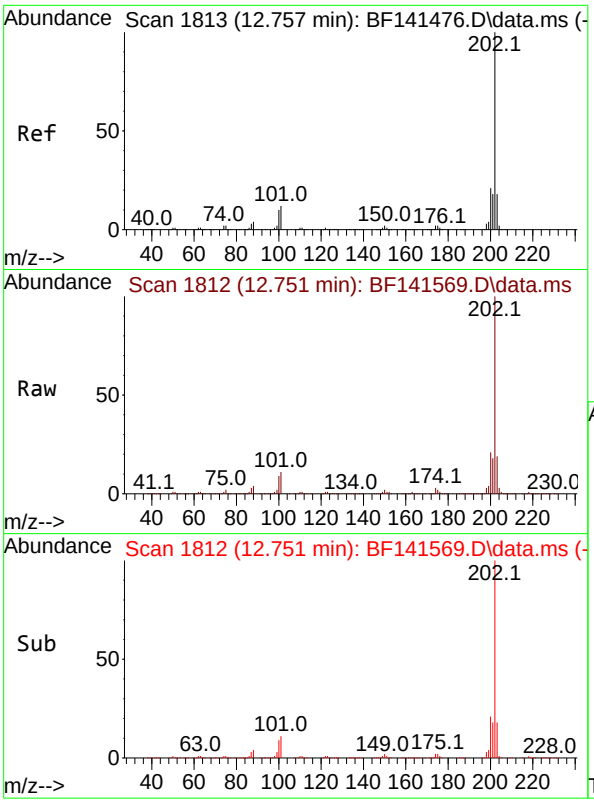


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:240 Resp: 196323

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.0	12.0
236	25.7	19.8	29.8



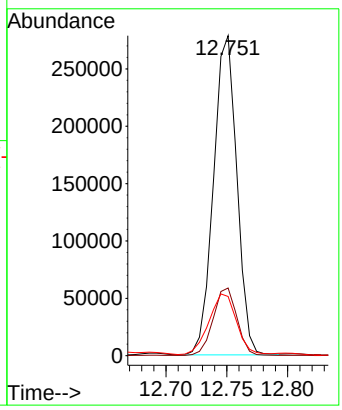


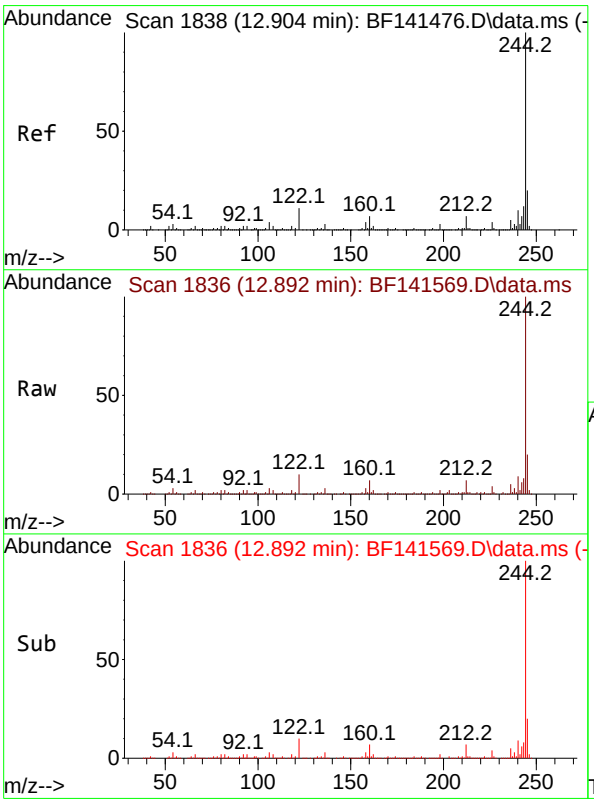
#78
Pyrene
Concen: 22.256 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:202 Resp: 371949

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.5	14.3	21.5

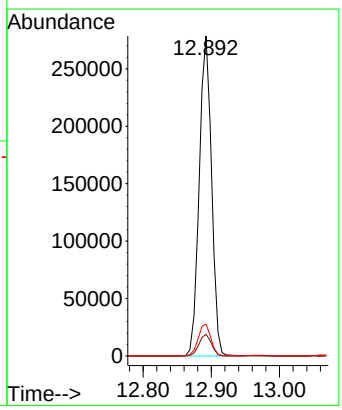


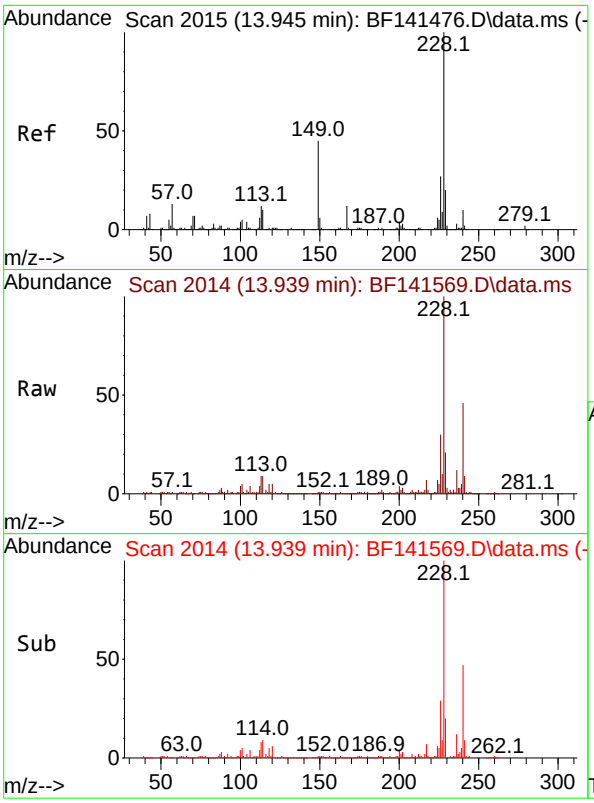


#79
Terphenyl-d14
Concen: 30.099 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:244 Resp: 350028

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.0	8.4	12.6



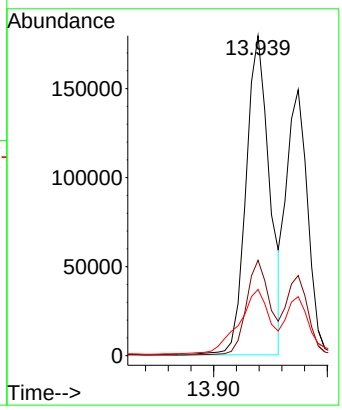


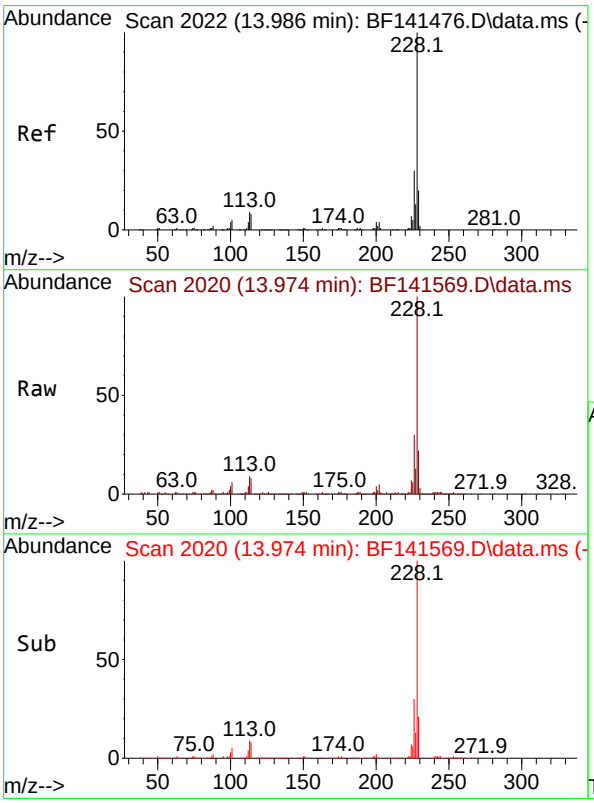
#81
Benzo(a)anthracene
Concen: 19.839 ng
RT: 13.939 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:228 Resp: 258908

Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.8	32.8
229	20.7	15.8	23.6

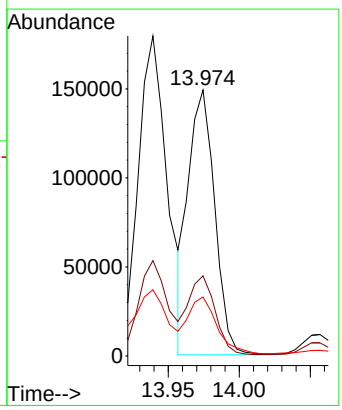


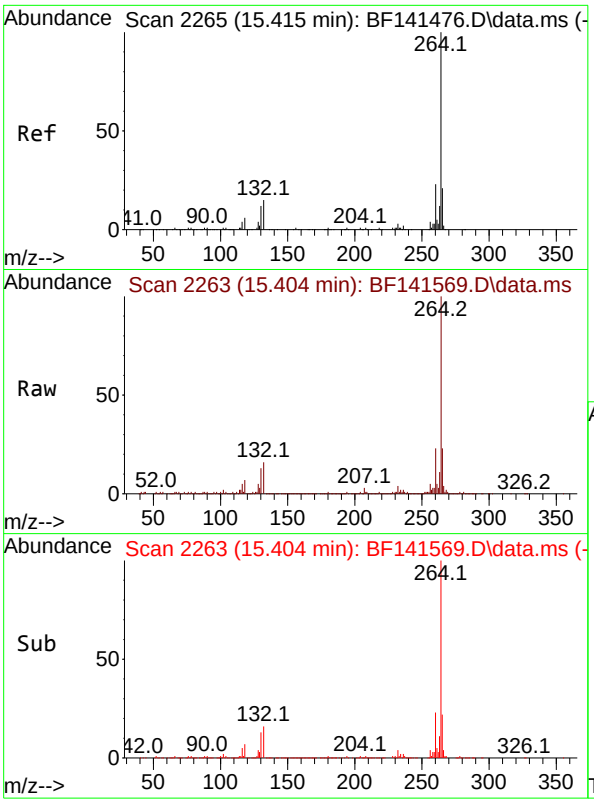


#83
Chrysene
Concen: 15.985 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.017 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:228 Resp: 192616

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	22.2	15.7	23.5



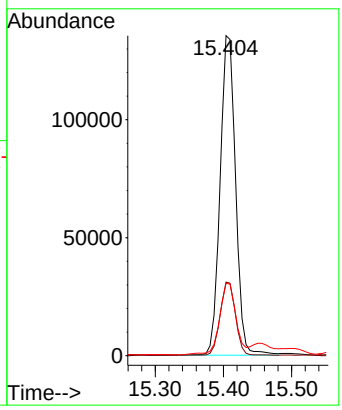


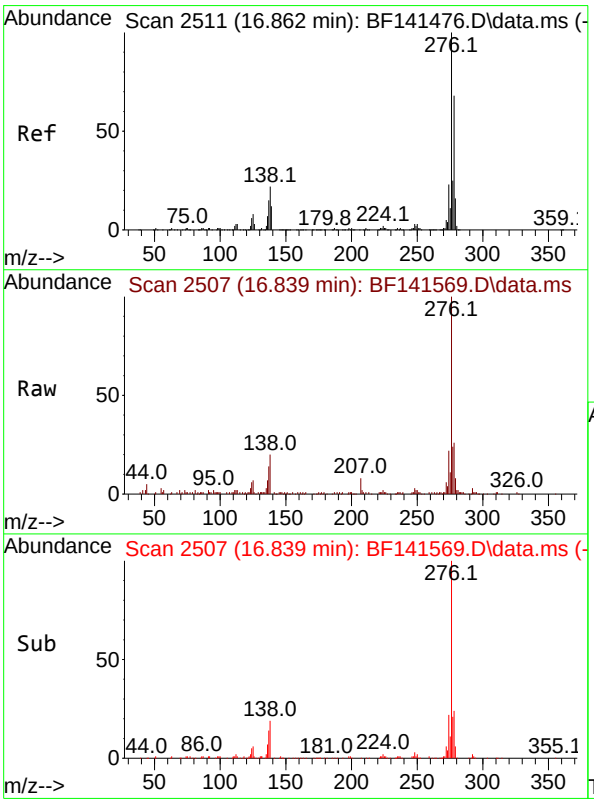
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:264 Resp: 214562

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	22.6	17.0	25.4

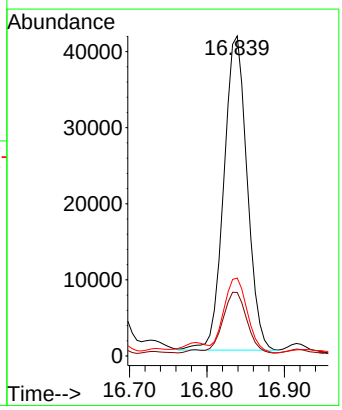


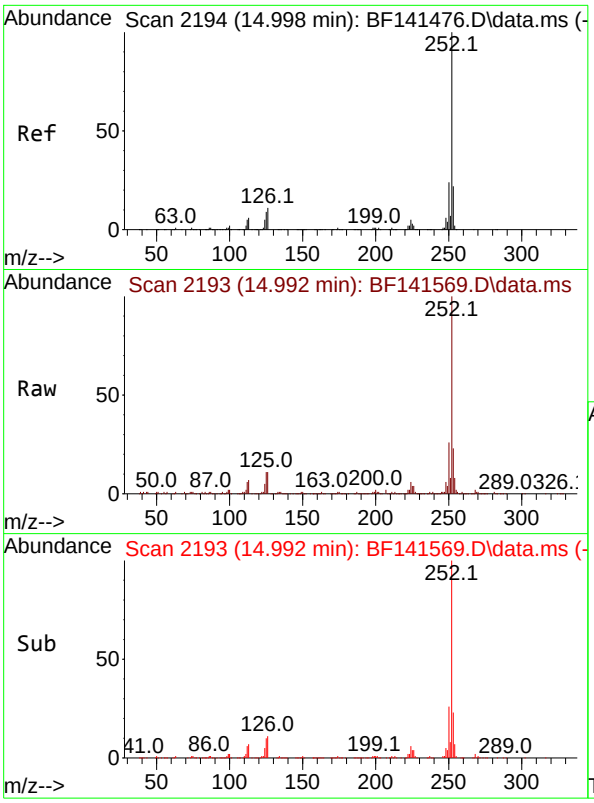


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.524 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.035 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:276 Resp: 86497

Ion	Ratio	Lower	Upper
276	100		
138	20.7	18.0	27.0
277	23.9	20.4	30.6



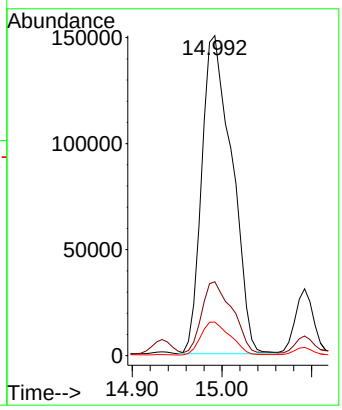


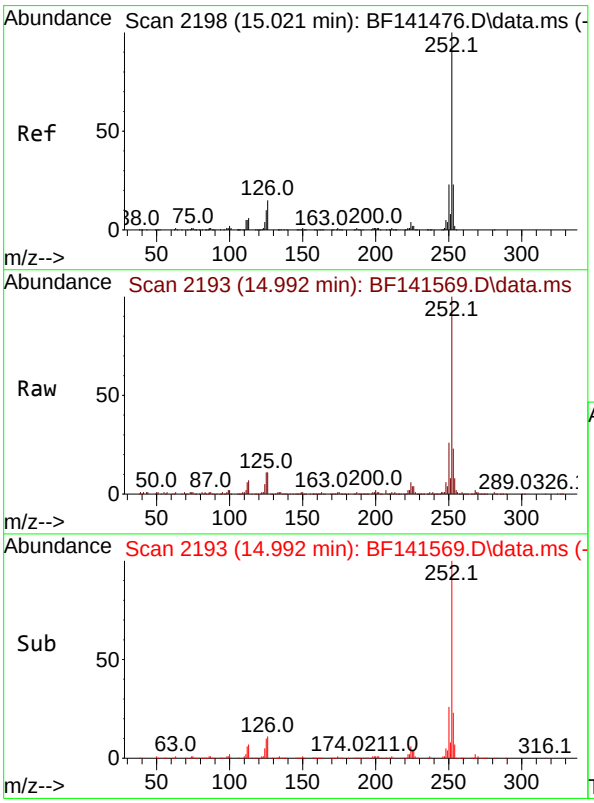
#88
Benzo(b)fluoranthene
Concen: 24.430 ng
RT: 14.992 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:252 Resp: 351962

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	10.5	7.0	10.6

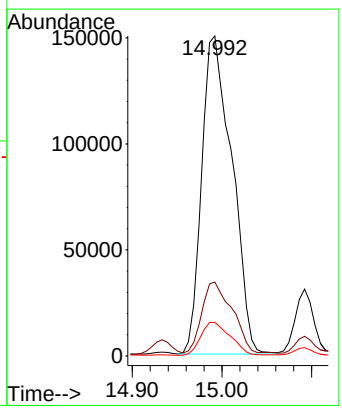


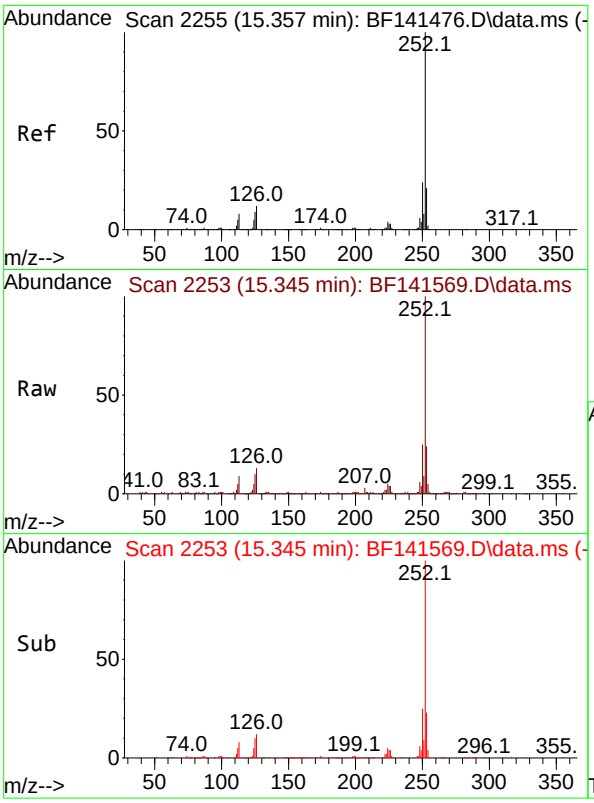


#89
Benzo(k)fluoranthene
Concen: 28.610 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.041 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:252 Resp: 351962

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	10.5	7.4	11.0



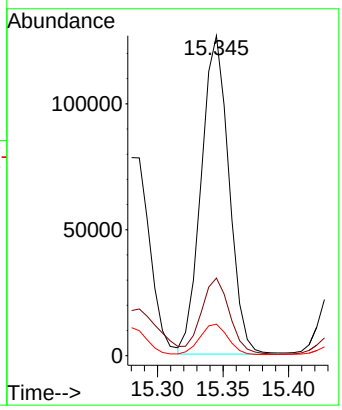


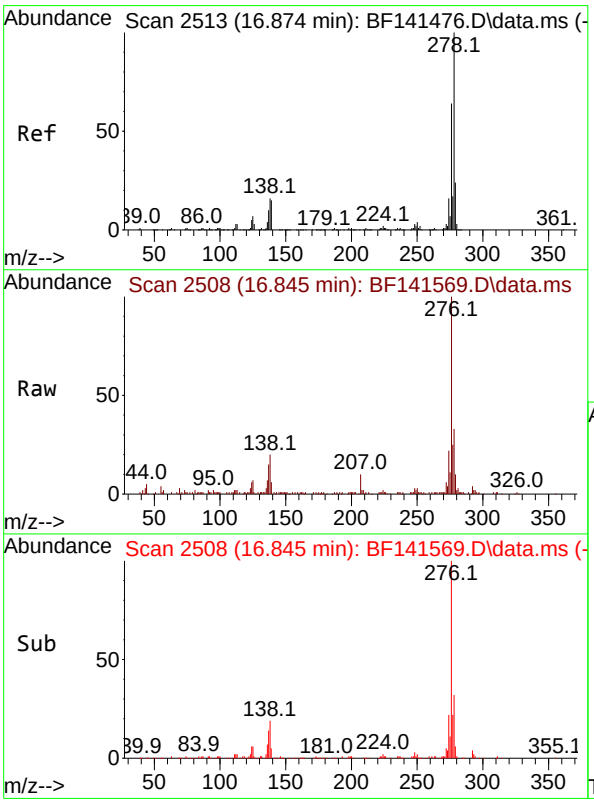
#90
Benzo(a)pyrene
Concen: 15.942 ng
RT: 15.345 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:252 Resp: 185841

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	9.9	7.4	11.2

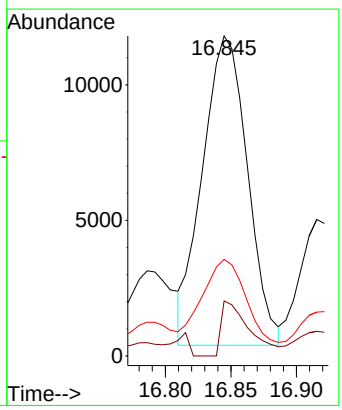


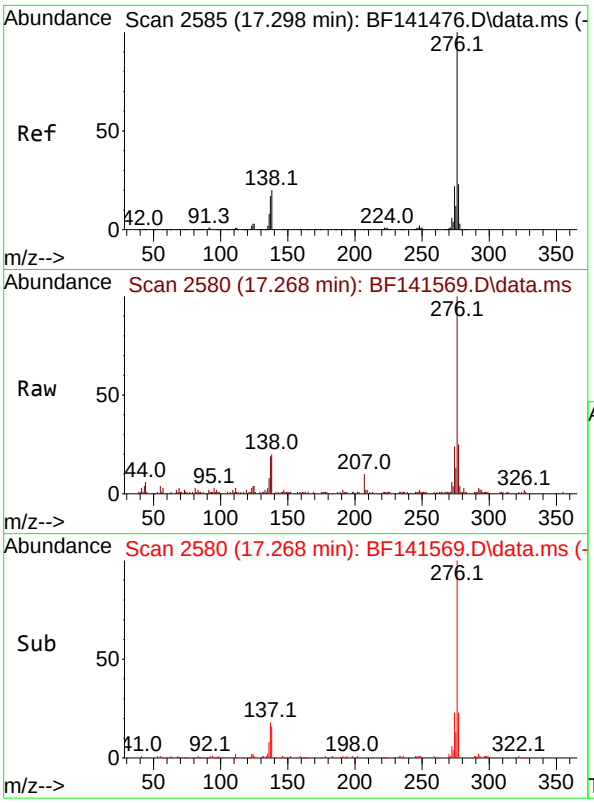


#91
Dibenzo(a,h)anthracene
Concen: 2.542 ng
RT: 16.845 min Scan# 2508
Delta R.T. -0.047 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Tgt Ion:278 Resp: 27311

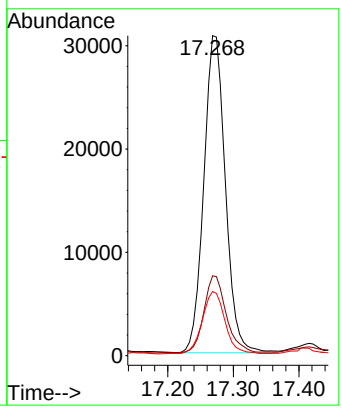
Ion	Ratio	Lower	Upper
278	100		
139	17.2	11.8	17.6
279	30.2	19.1	28.7#





#92
Benzo(g,h,i)perylene
Concen: 6.262 ng
RT: 17.268 min Scan# 2
Delta R.T. -0.047 min
Lab File: BF141569.D
Acq: 11 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:276 Resp: 70399

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	20.0	15.9	23.9