Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006612.D
Acq On : 28 Jun 2019 14:39
Operator : HP/JU
Sample : K2241-01
Misc : LOD-S-0.1PPM
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : LOD-MDL-SOIL-01-QT2-2019

Quant Time: Jun 29 01:09:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	2948	0.40	ng		0.00
7) Naphthalene-d8	10.42	136	12135	0.40	ng		0.01
13) Acenaphthene-d10	14.28	164	7921	0.40	ng		0.00
19) Phenanthrene-d10	17.04	188	18539	0.40	ng		0.00
27) Chrysene-d12	21.28	240	18080	0.40	ng		0.01
34) Perylene-d12	23.53	264	19713	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	2702	0.37	ng		0.00
5) Phenol-d6	6.85	99	3306	0.35	ng		0.02
8) Nitrobenzene-d5	8.82	82	2633	0.32	ng		0.03
11) 2-Methylnaphthalene-d10	12.02	152	7410	0.39	ng		0.01
14) 2,4,6-Tribromophenol	15.80	330	1178	0.32	ng		0.01
15) 2-Fluorobiphenyl	12.89	172	11484	0.39	ng		0.00
25) Fluoranthene-d10	19.09	212	20928	0.38	ng		0.00
29) Terphenyl-d14	19.69	244	16084	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.17	88	635	0.156	ng		88
3) n-Nitrosodimethylamine	3.54	42	271	0.085	ng	#	81
6) bis(2-Chloroethyl)ether	7.10	93	852	0.100	ng	#	88
9) Naphthalene	10.47	128	4120	0.129	ng	#	94
10) Hexachlorobutadiene	10.73	225	828	0.126	ng	#	99
12) 2-Methylnaphthalene	12.09	142	2790	0.127	ng		97
16) Acenaphthylene	14.00	152	4410	0.117	ng		100
17) Acenaphthene	14.34	154	3024	0.122	ng		99
18) Fluorene	15.35	166	3809	0.121	ng		98
20) 4-Bromophenyl-phenylether	16.24	248	1114	0.108	ng	#	92
21) Hexachlorobenzene	16.34	284	1603	0.123	ng		99
22) Pentachlorophenol	16.76	266	295	0.291	ng		96
23) Phenanthrene	17.08	178	6220	0.118	ng		98
24) Anthracene	17.18	178	4861	0.106	ng		99
26) Fluoranthene	19.12	202	8119	0.127	ng		99
28) Pyrene	19.48	202	8299	0.131	ng		99
30) Benzo(a)anthracene	21.26	228	6957	0.118	ng		97
31) Chrysene	21.32	228	8374	0.131	ng		99
32) Bis(2-ethylhexyl)phthalate	21.18	149	2869	0.096	ng		98
33) Indeno(1,2,3-cd)pyrene	25.78	276	8319	0.129	ng		99
35) Benzo(b)fluoranthene	22.86	252	8491	0.127	ng	#	89
36) Benzo(k)fluoranthene	22.91	252	8962	0.125	ng	#	89
37) Benzo(a)pyrene	23.44	252	7975	0.127	ng	#	86
38) Dibenzo(a,h)anthracene	25.79	278	6771	0.124	ng	#	90
39) Benzo(g,h,i)perylene	26.47	276	7154	0.131	ng		95

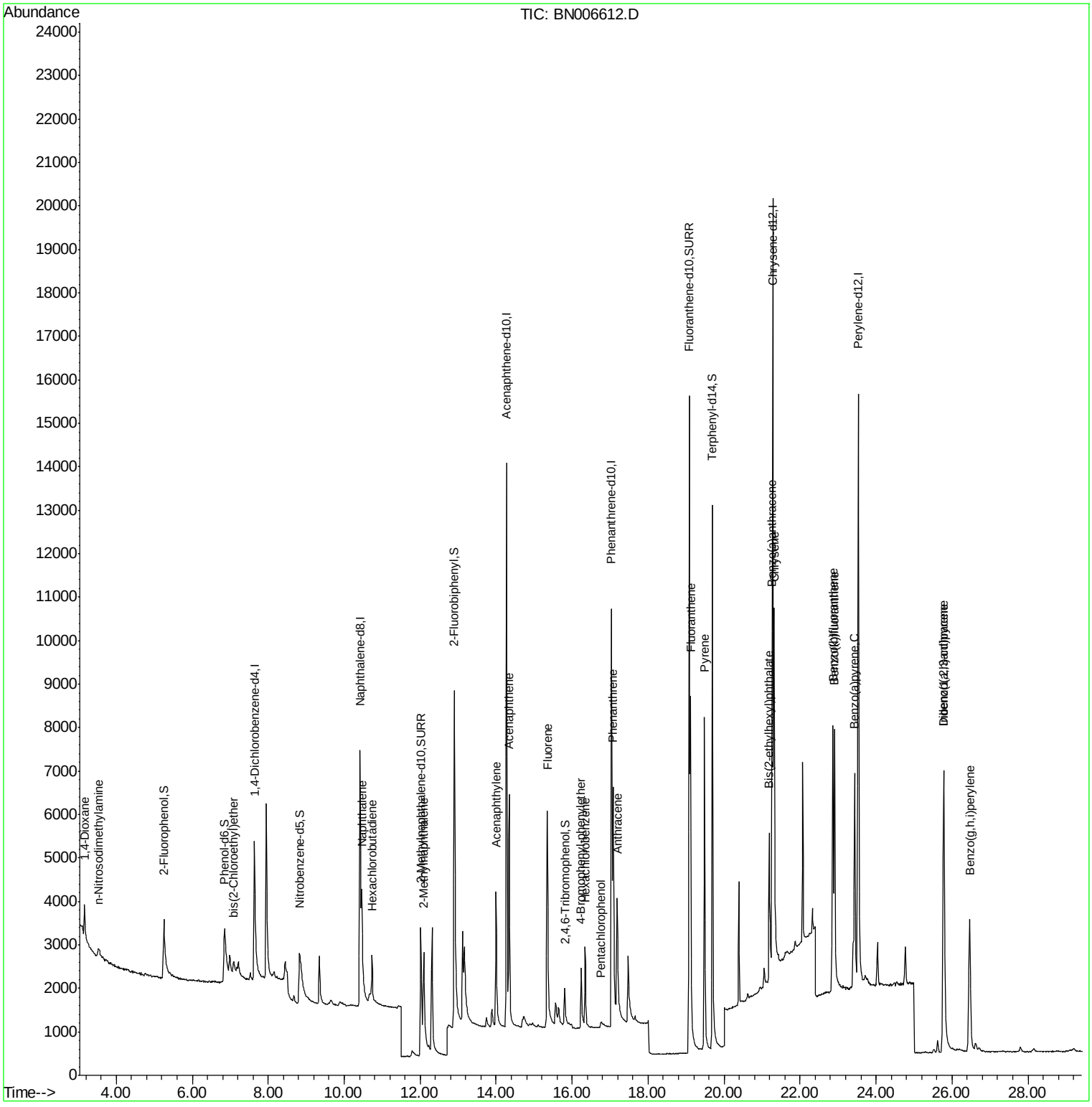
(#) = qualifier out of range (m) = manual integration (+) = signals summed

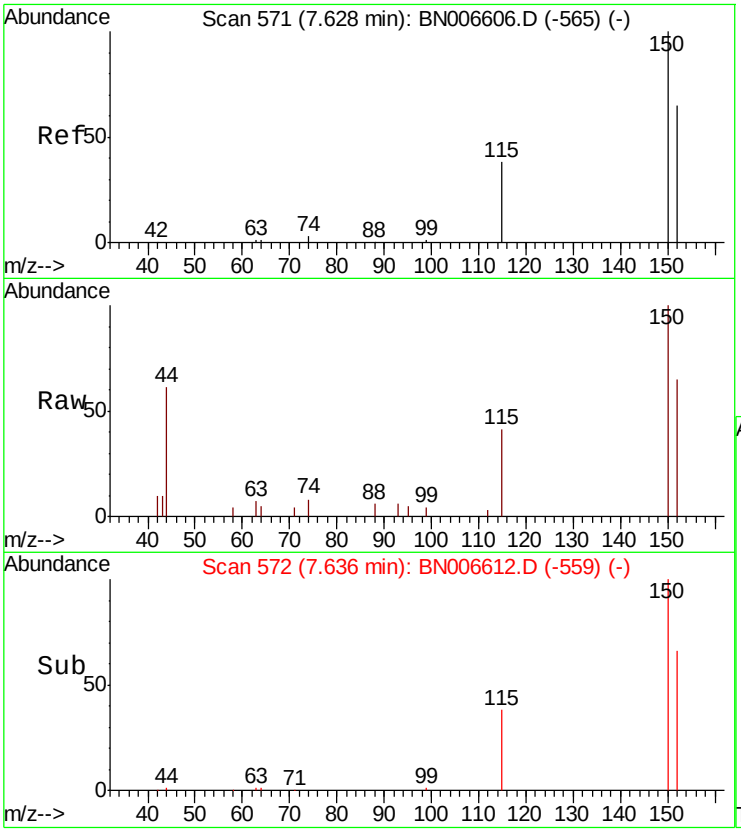
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006612.D
Acq On : 28 Jun 2019 14:39
Operator : HP/JU
Sample : K2241-01
Misc : LOD-S-0.1PPM
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Quant Time: Jun 29 01:09:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
Response via : Initial Calibration



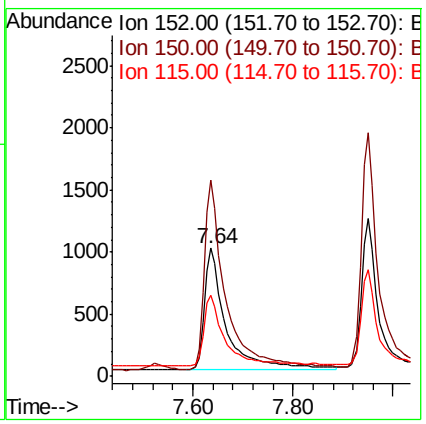


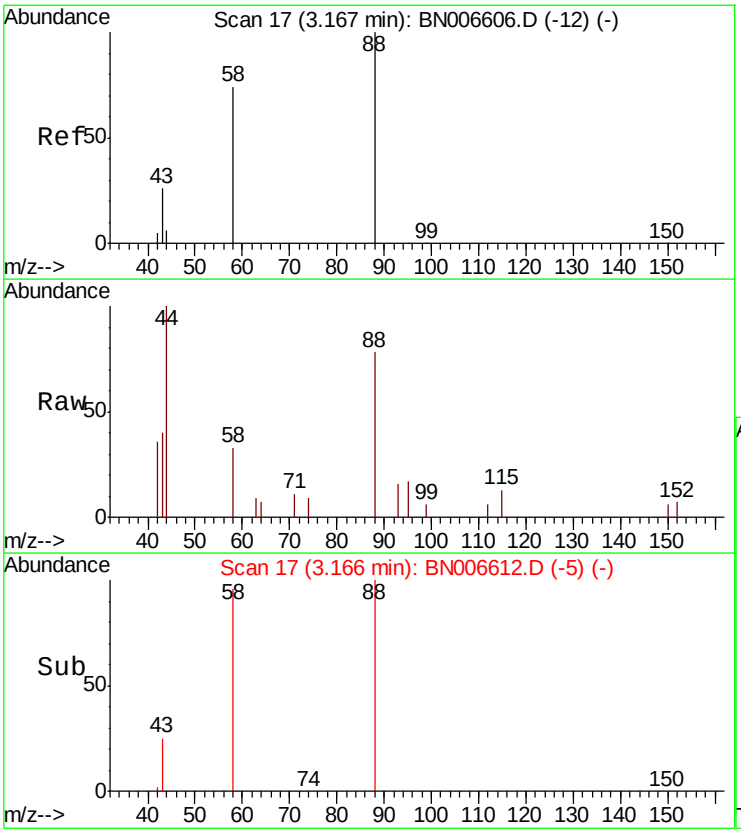
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 572
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:152 Resp: 2948

Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.2	183.2
115	63.6	50.0	75.0

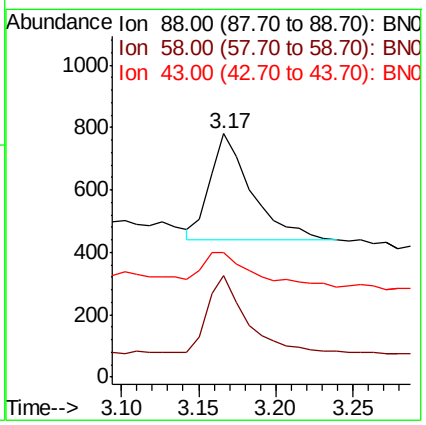


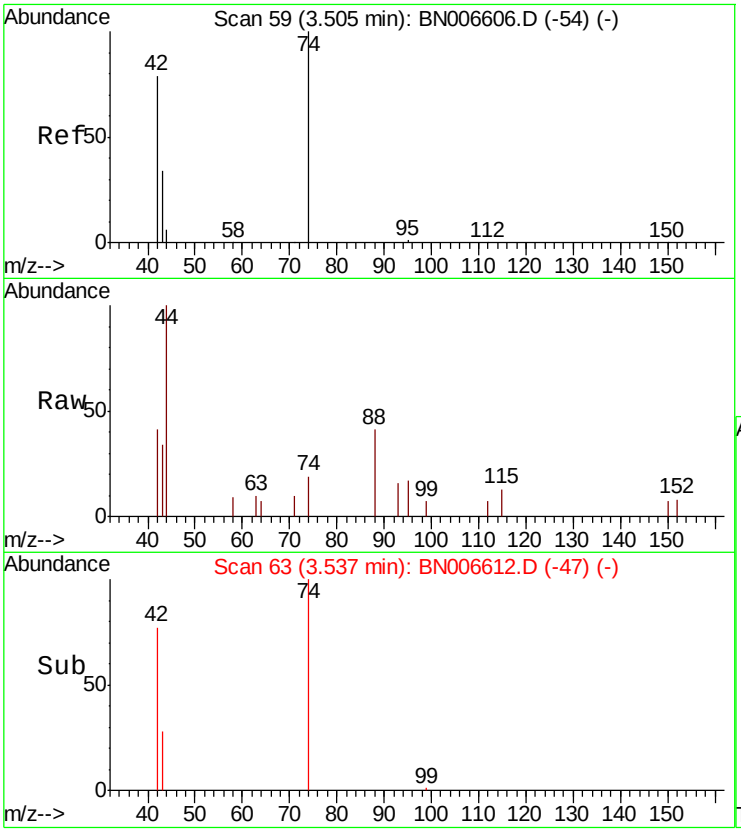


#2
1,4-Dioxane
Concen: 0.156 ng
RT: 3.17 min Scan# 17
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion: 88 Resp: 635

Ion	Ratio	Lower	Upper
88	100		
58	67.2	62.5	93.7
43	37.8	25.4	38.0



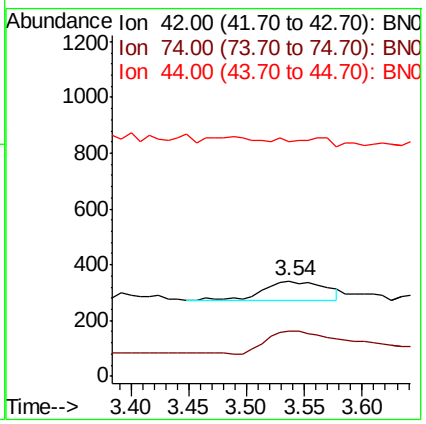


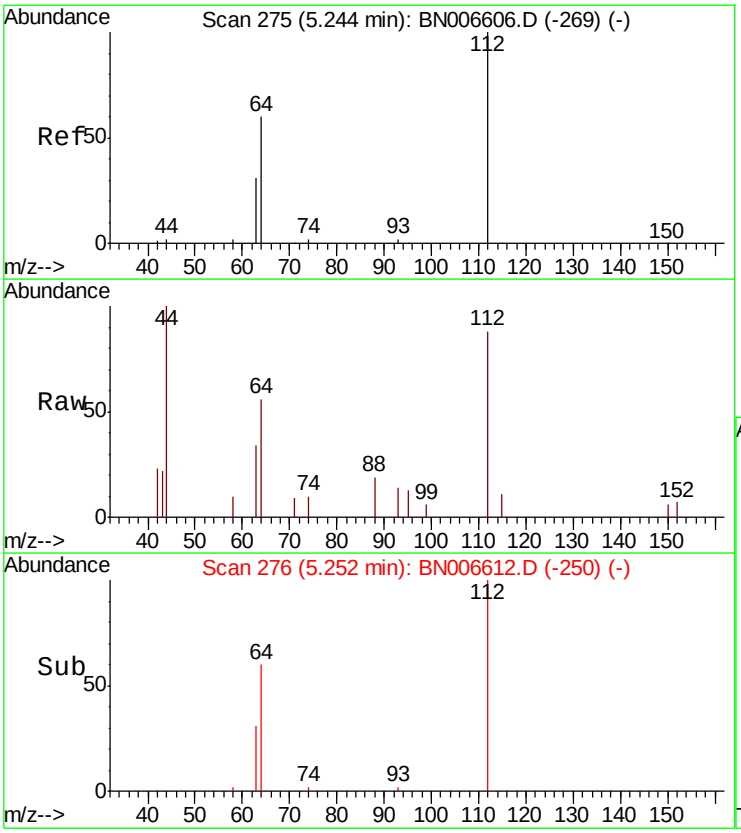
#3
n-Nitrosodimethylamine
Concen: 0.085 ng
RT: 3.54 min Scan# 63
Delta R.T. 0.03 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 42 Resp: 271

Ion	Ratio	Lower	Upper
42	100		
74	106.3	103.1	154.7
44	0.0	3.4	5.2#

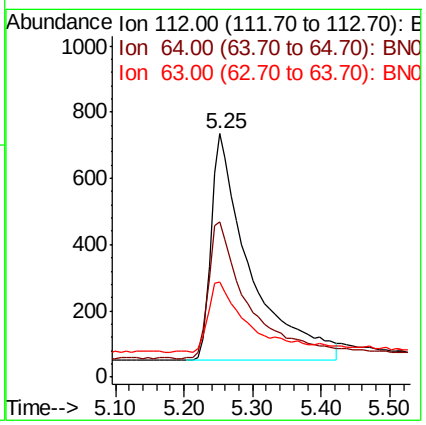


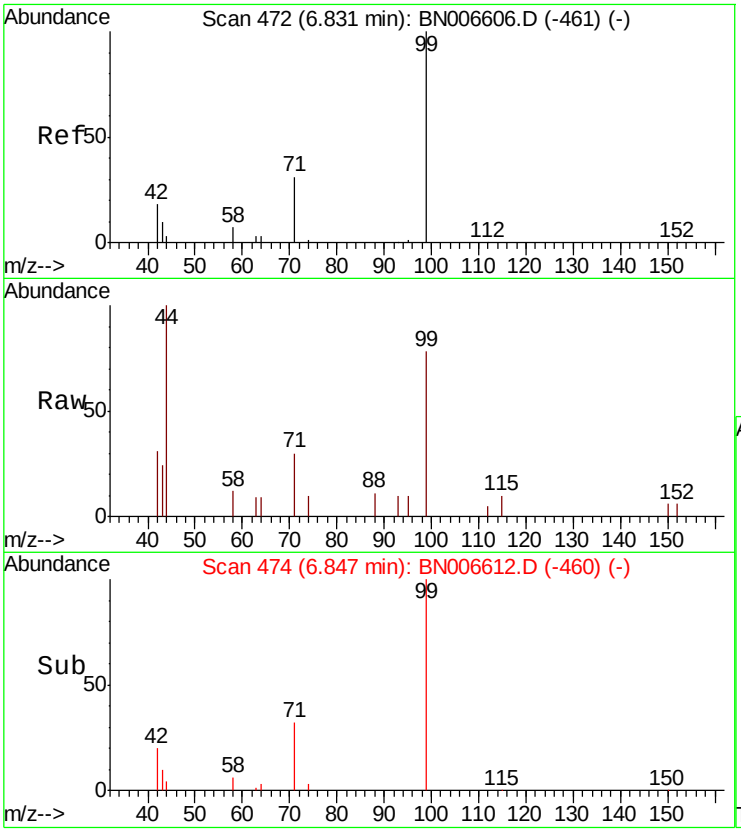


#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.25 min Scan# 276
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:112 Resp: 2702

Ion	Ratio	Lower	Upper
112	100		
64	62.2	48.9	73.3
63	31.4	24.3	36.5



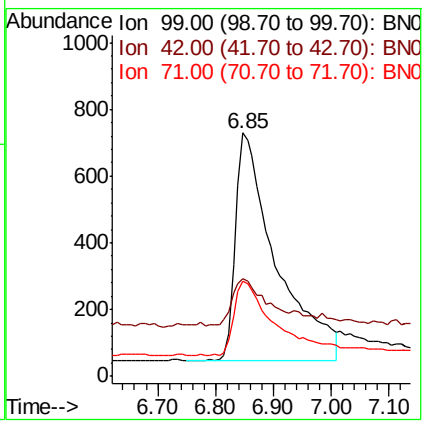


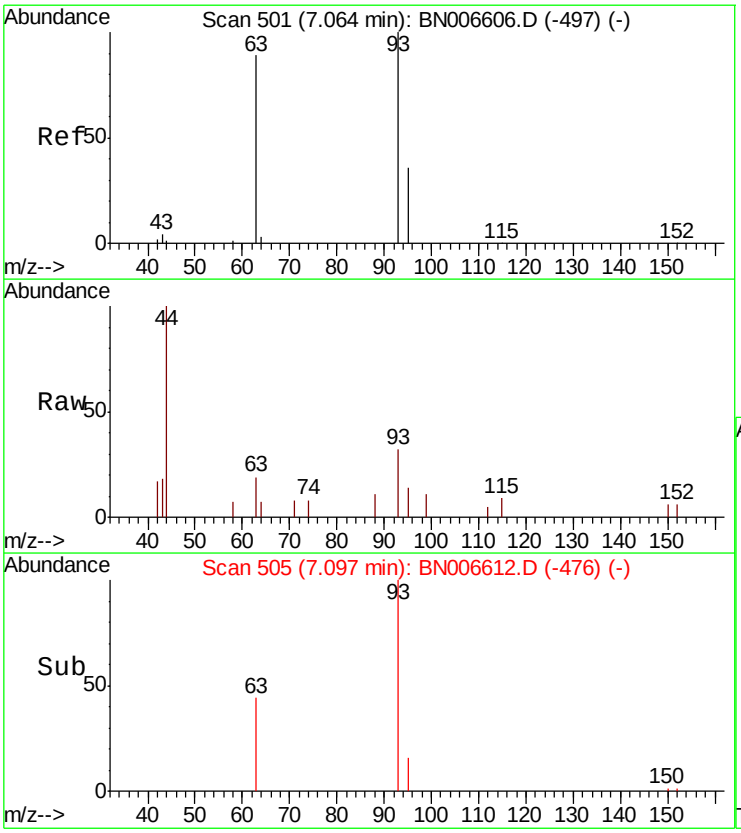
#5
Phenol-d6
Concen: 0.345 ng
RT: 6.85 min Scan# 474
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 99 Resp: 3306

Ion	Ratio	Lower	Upper
99	100		
42	16.5	16.4	24.6
71	32.8	26.6	40.0

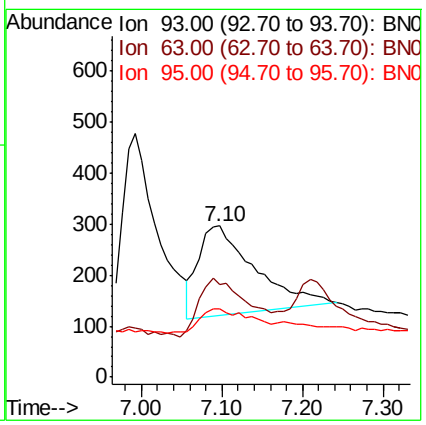


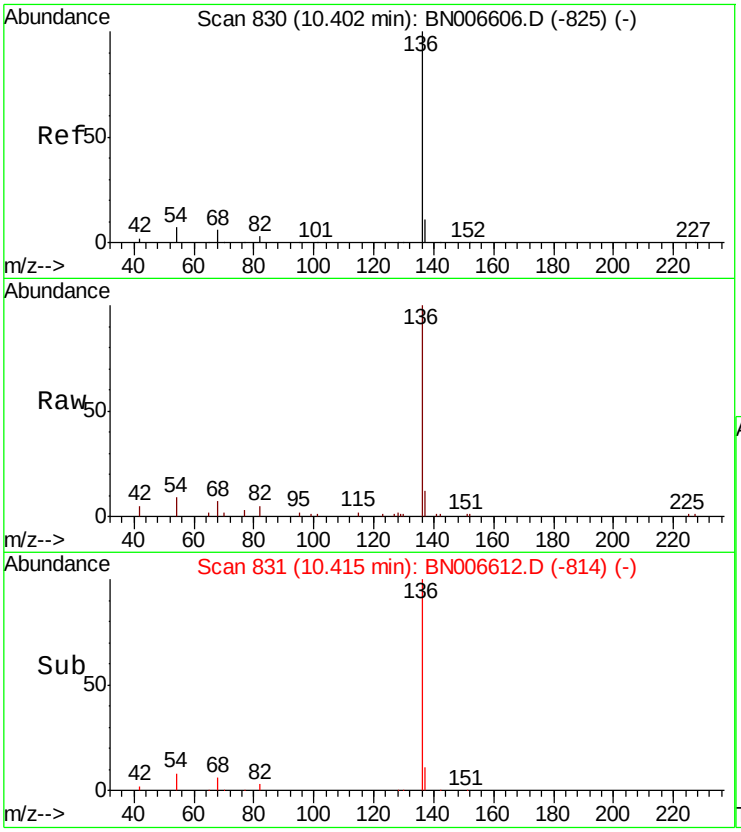


#6
bis(2-Chloroethyl)ether
Concen: 0.100 ng
RT: 7.10 min Scan# 505
Delta R.T. 0.03 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion: 93 Resp: 852

Ion	Ratio	Lower	Upper
93	100		
63	56.1	52.5	78.7
95	23.7	24.2	36.4#



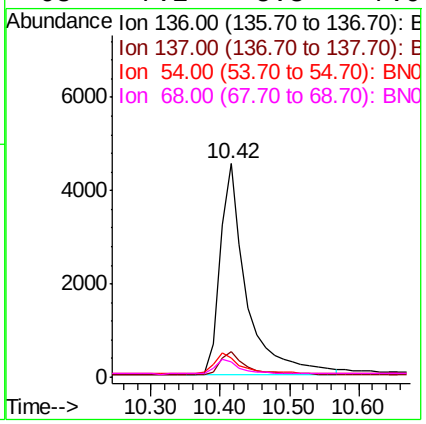


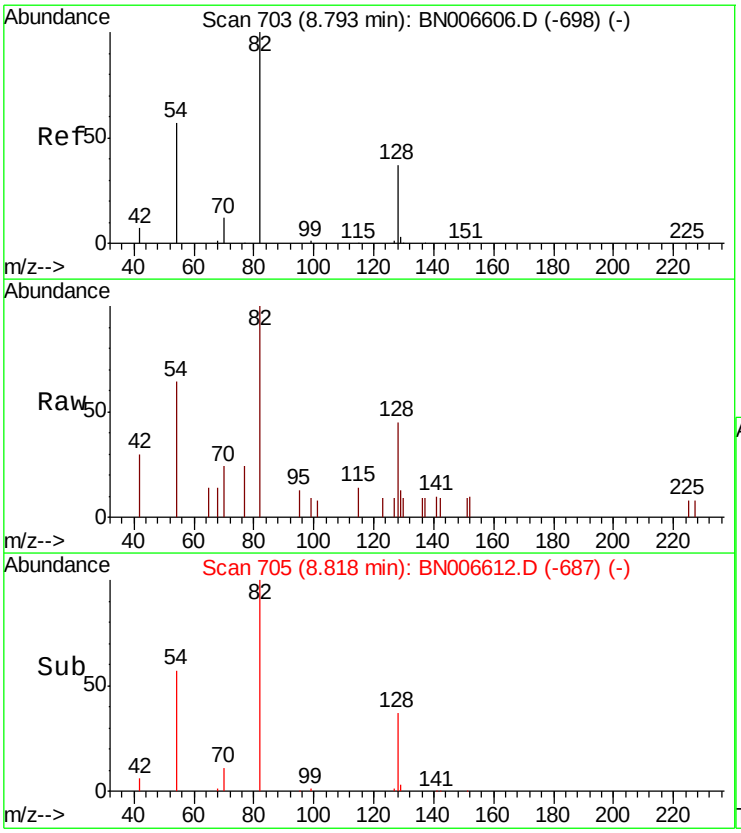
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.42 min Scan# 831
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:136 Resp: 12135

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.3	13.9
54	9.2	6.7	10.1
68	7.2	5.3	7.9

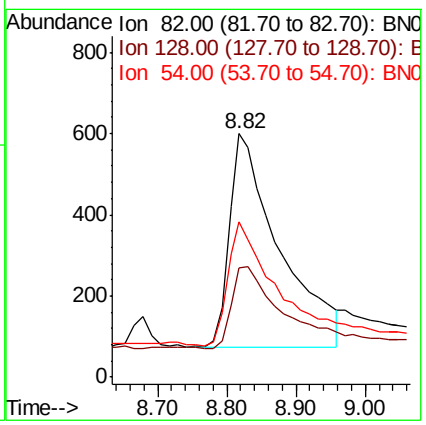


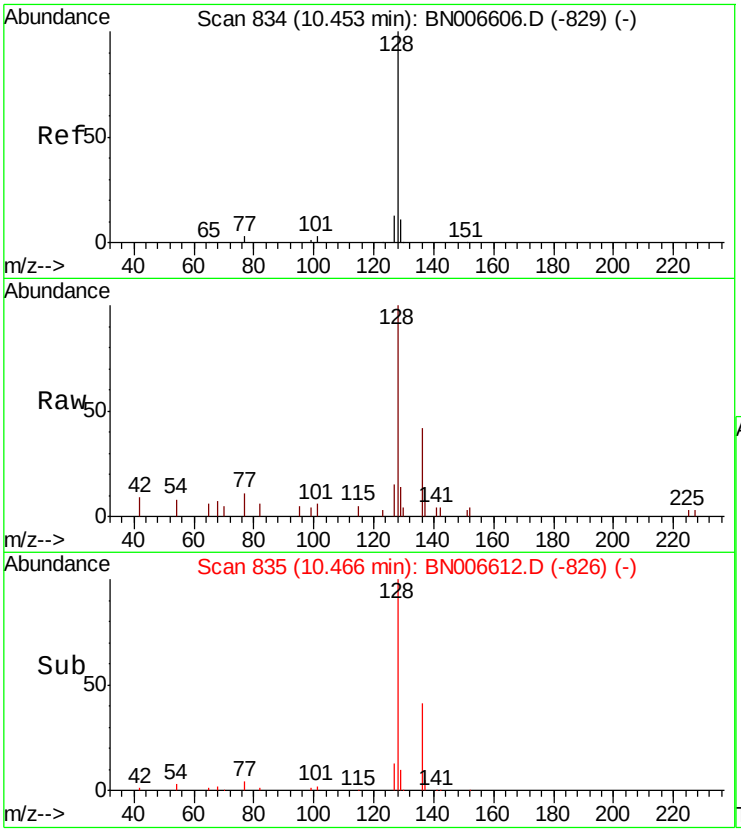


#8
Nitrobenzene-d5
Concen: 0.323 ng
RT: 8.82 min Scan# 705
Delta R.T. 0.03 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion: 82 Resp: 2633

Ion	Ratio	Lower	Upper
82	100		
128	44.8	32.6	49.0
54	63.8	48.2	72.4



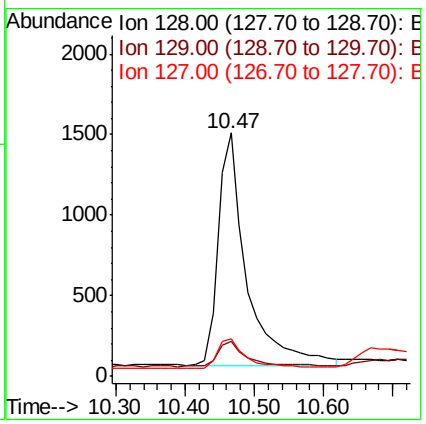


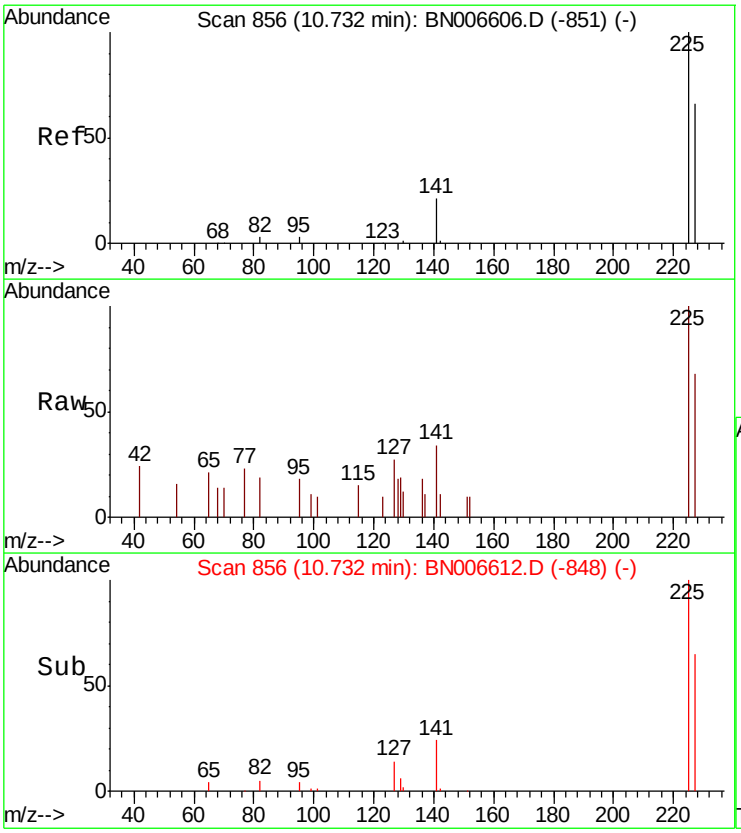
#9
Naphthalene
Concen: 0.129 ng
RT: 10.47 min Scan# 835
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:128 Resp: 4120

Ion	Ratio	Lower	Upper
128	100		
129	14.2	9.3	13.9#
127	15.5	10.8	16.2

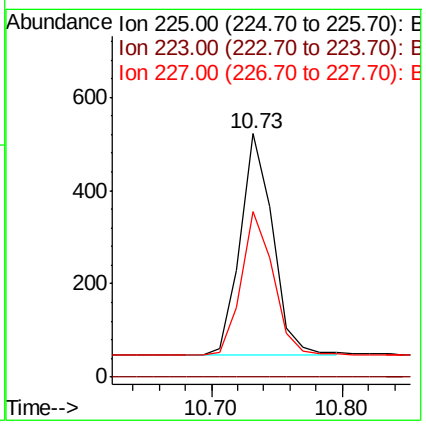


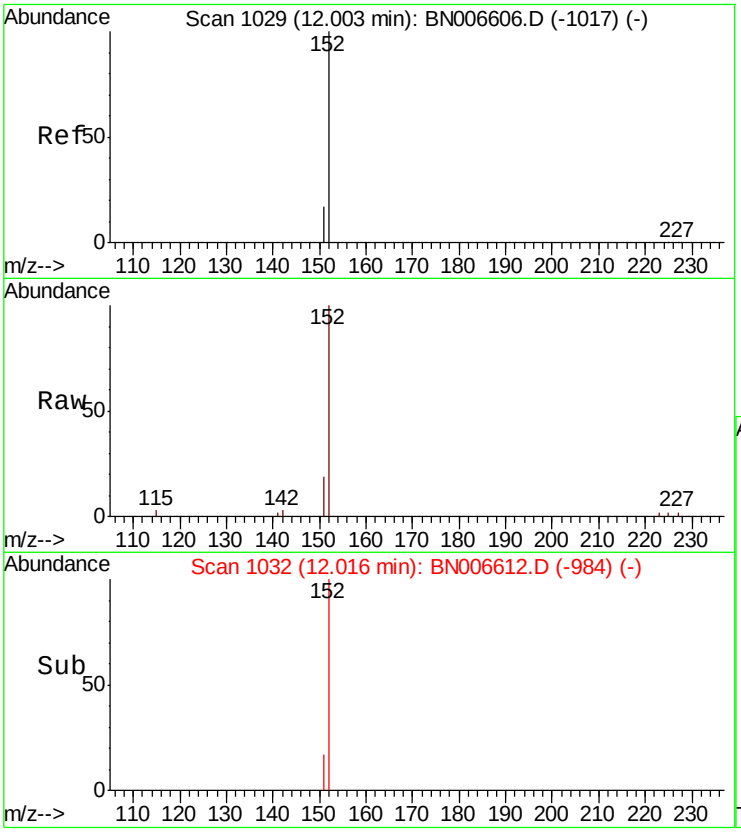


#10
Hexachlorobutadiene
Concen: 0.126 ng
RT: 10.73 min Scan# 856
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:225 Resp: 828

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	51.4	77.2



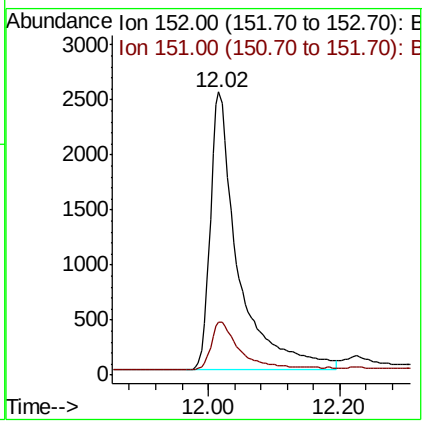


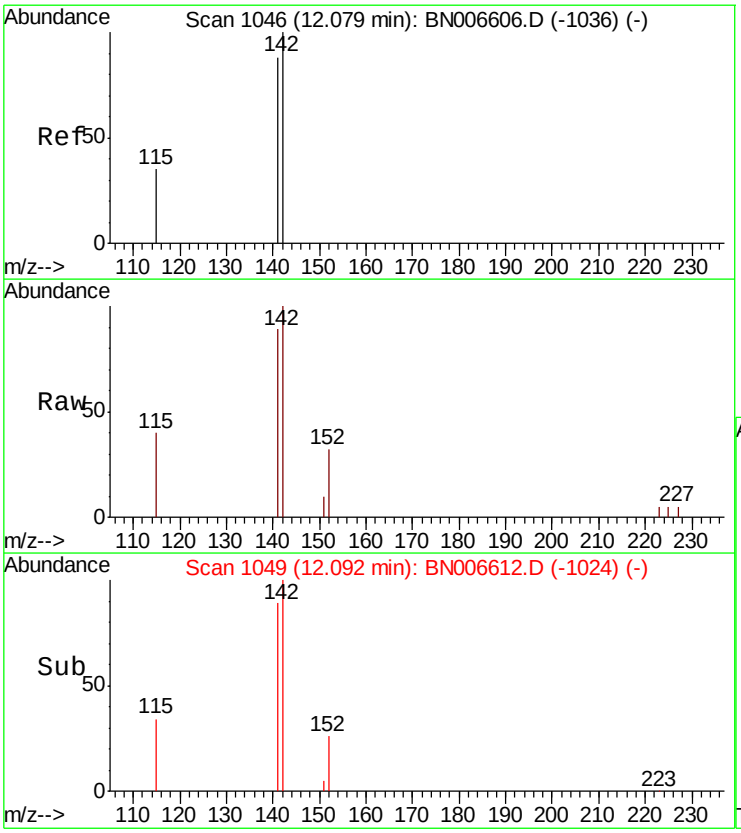
#11
2-Methylnaphthalene-d10
Concen: 0.388 ng
RT: 12.02 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:152 Resp: 7410

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.0	22.4

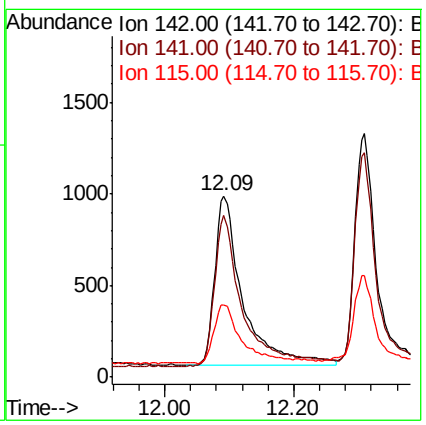


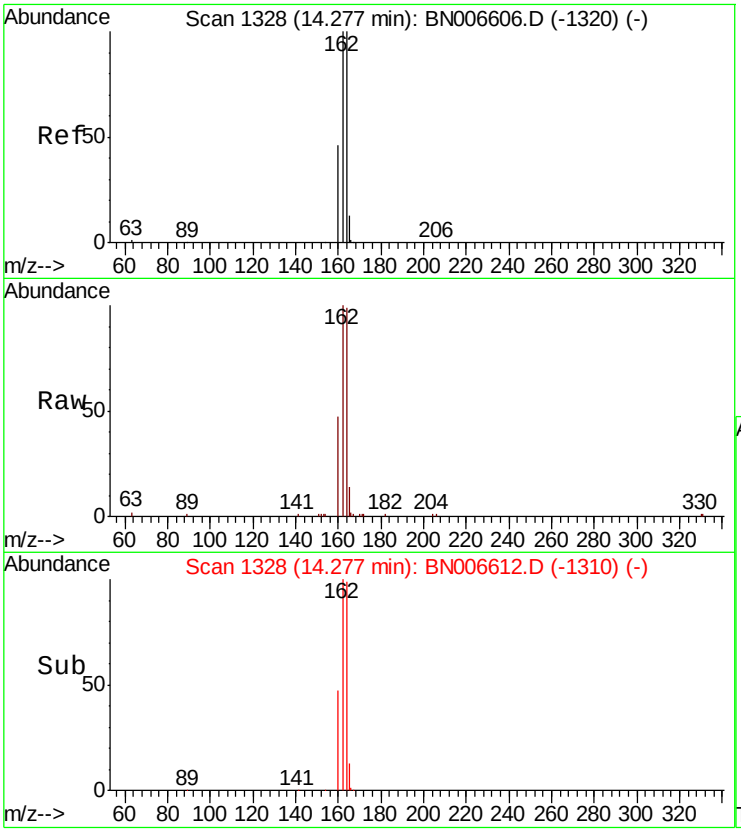


#12
2-Methylnaphthalene
Concen: 0.127 ng
RT: 12.09 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:142 Resp: 2790

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.2	105.4
115	39.6	28.5	42.7



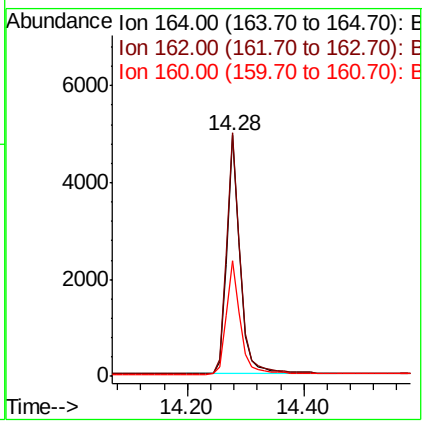


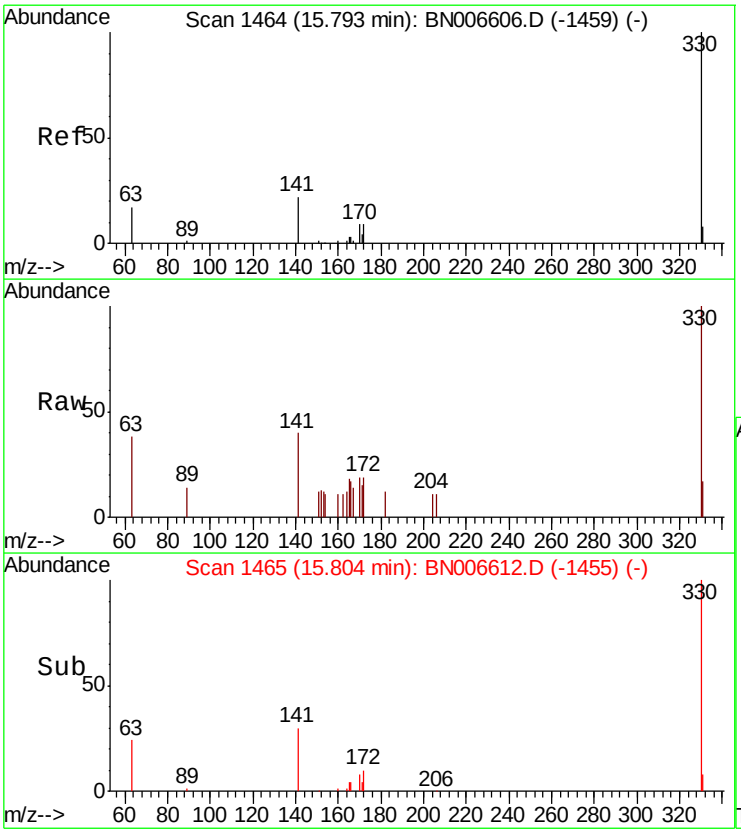
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.28 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:164 Resp: 7921

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.0	120.0
160	48.0	37.0	55.4

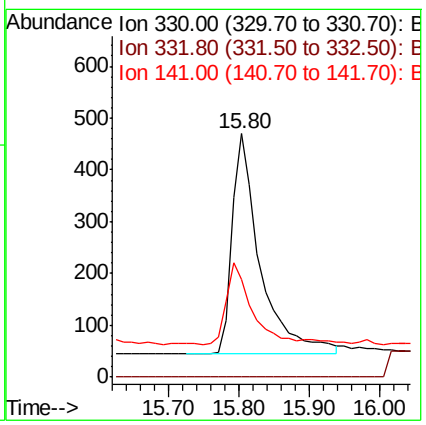


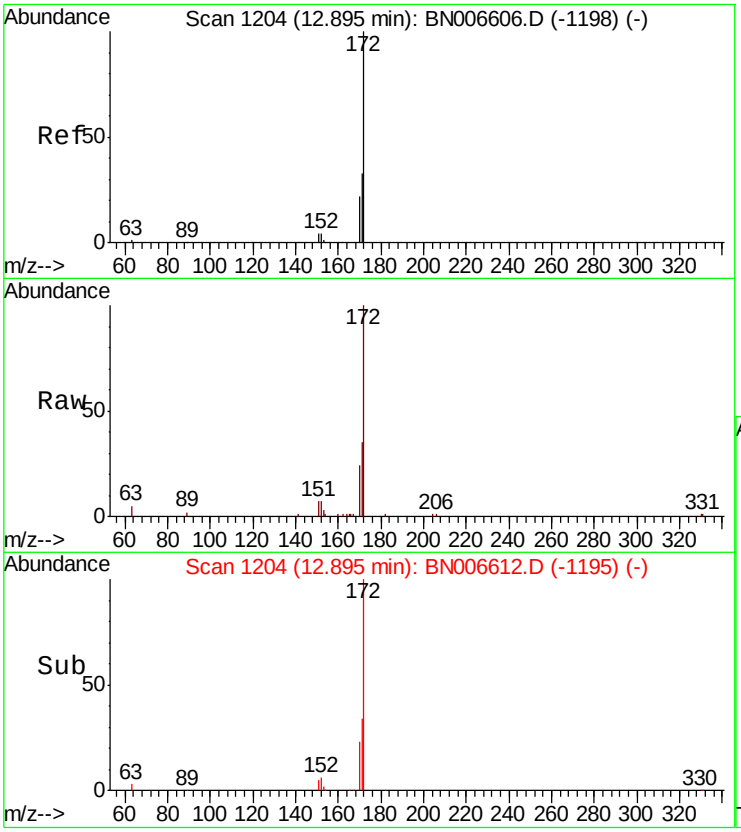


#14
2,4,6-Tribromophenol
Concen: 0.316 ng
RT: 15.80 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:330 Resp: 1178

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.0	26.5	39.7



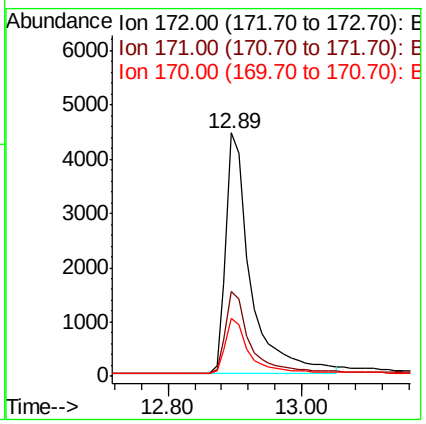


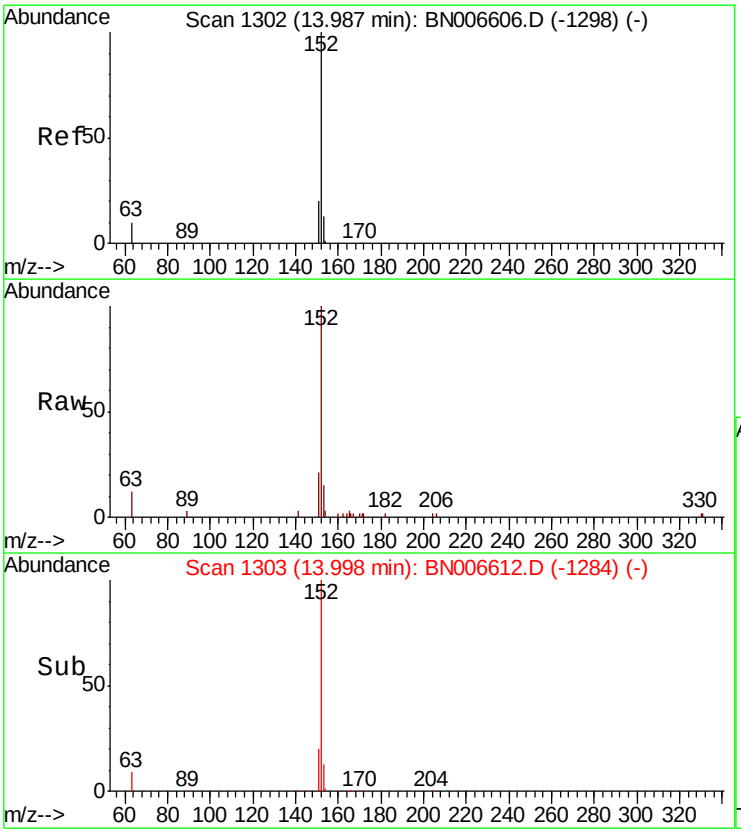
#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 12.89 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:172 Resp: 11484

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.0	40.4
170	23.9	17.7	26.5

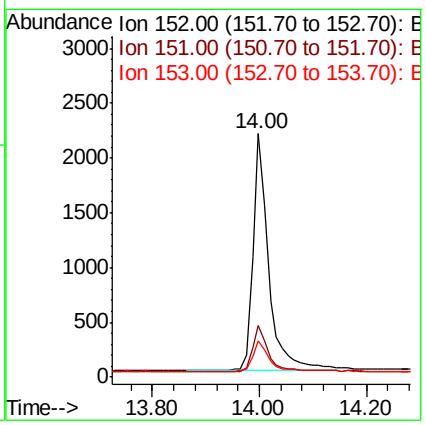


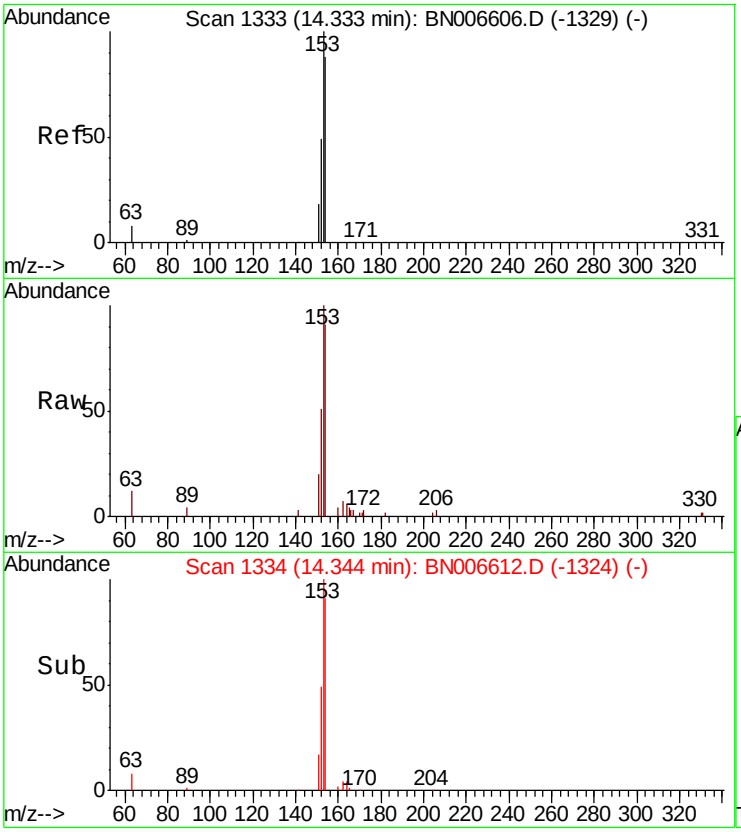


#16
Acenaphthylene
Concen: 0.117 ng
RT: 14.00 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:152 Resp: 4410

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.6	23.4
153	12.9	10.5	15.7



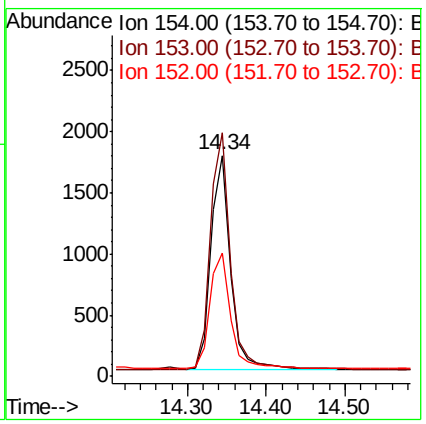


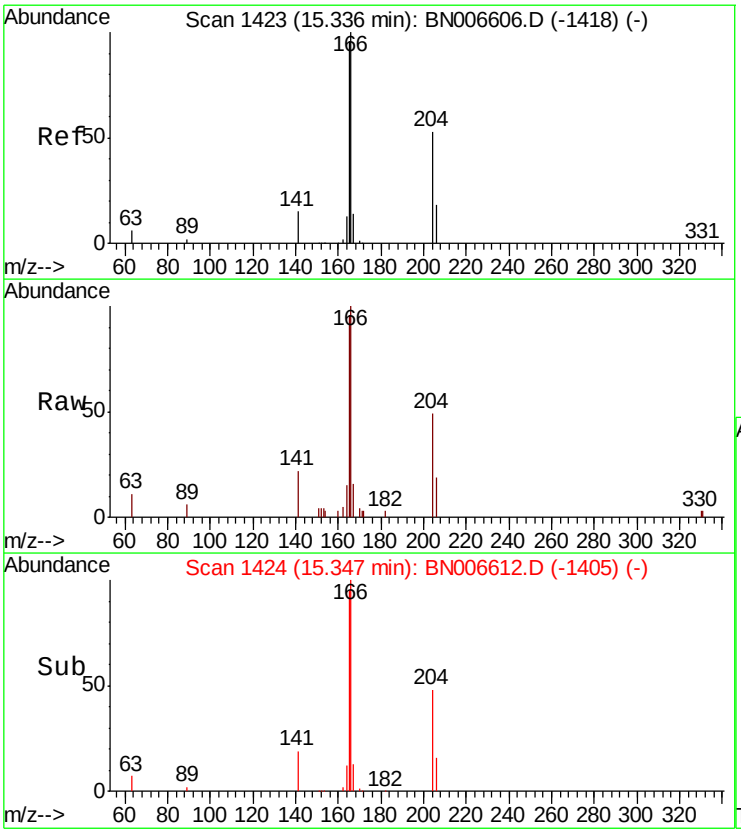
#17
Acenaphthene
Concen: 0.122 ng
RT: 14.34 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:154 Resp: 3024

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.2	135.4
152	56.2	44.2	66.4

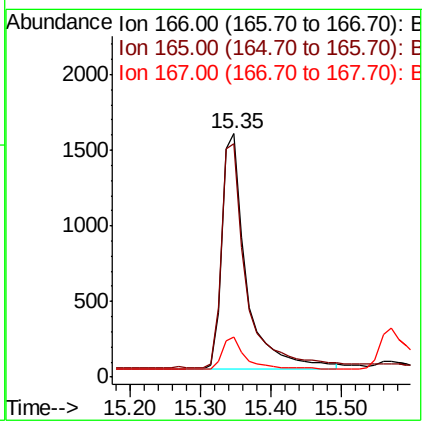


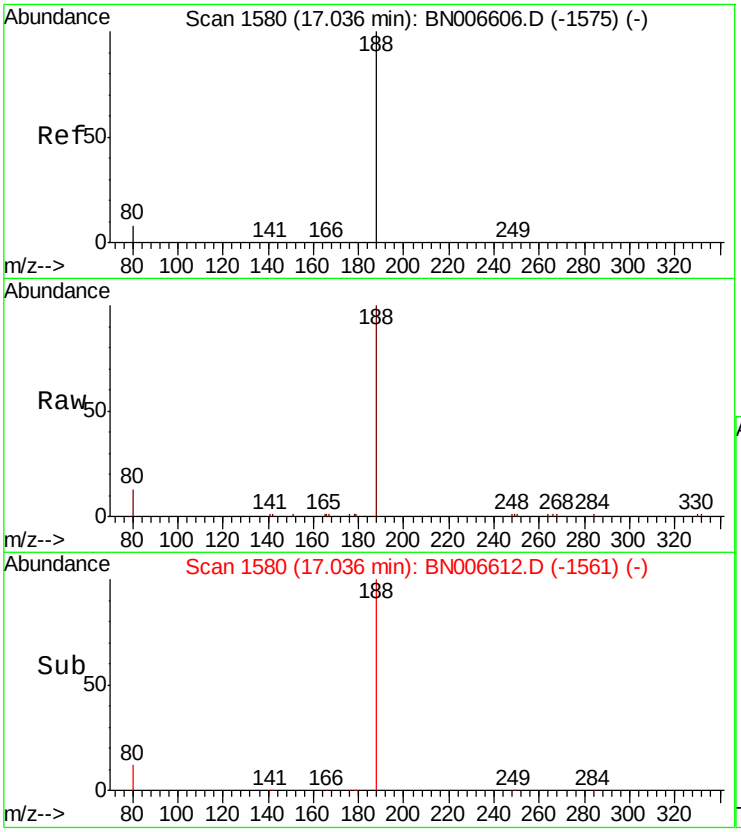


#18
Fluorene
Concen: 0.121 ng
RT: 15.35 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:166 Resp: 3809

Ion	Ratio	Lower	Upper
166	100		
165	95.5	78.4	117.6
167	13.6	10.8	16.2



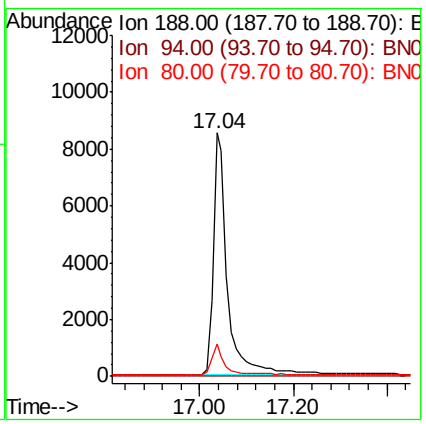


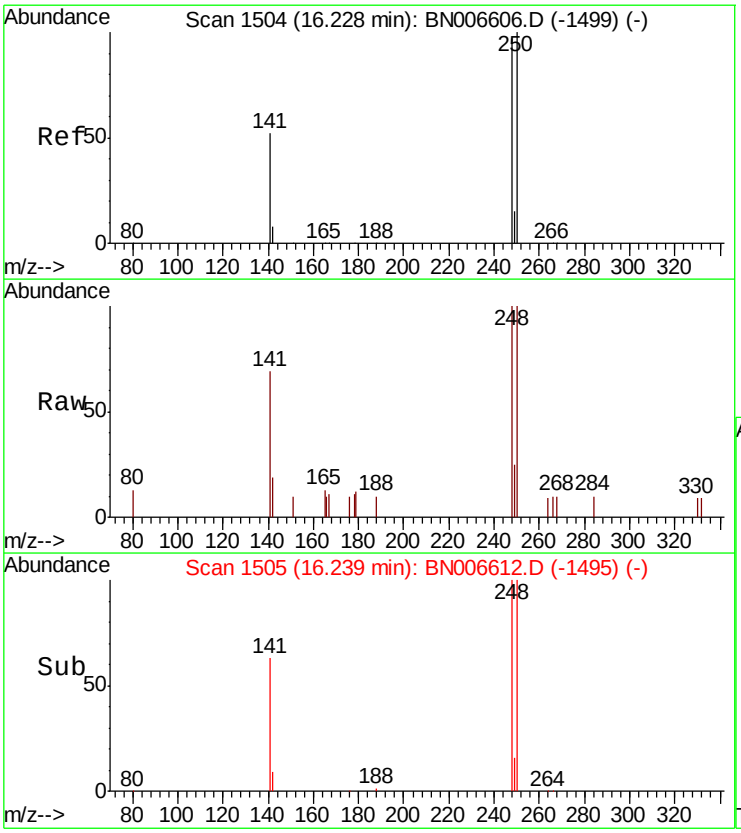
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:188 Resp: 18539

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	7.1	10.7#

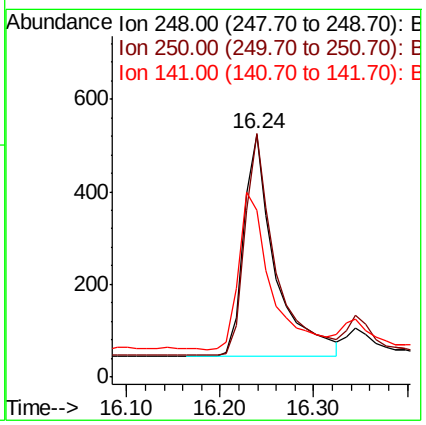


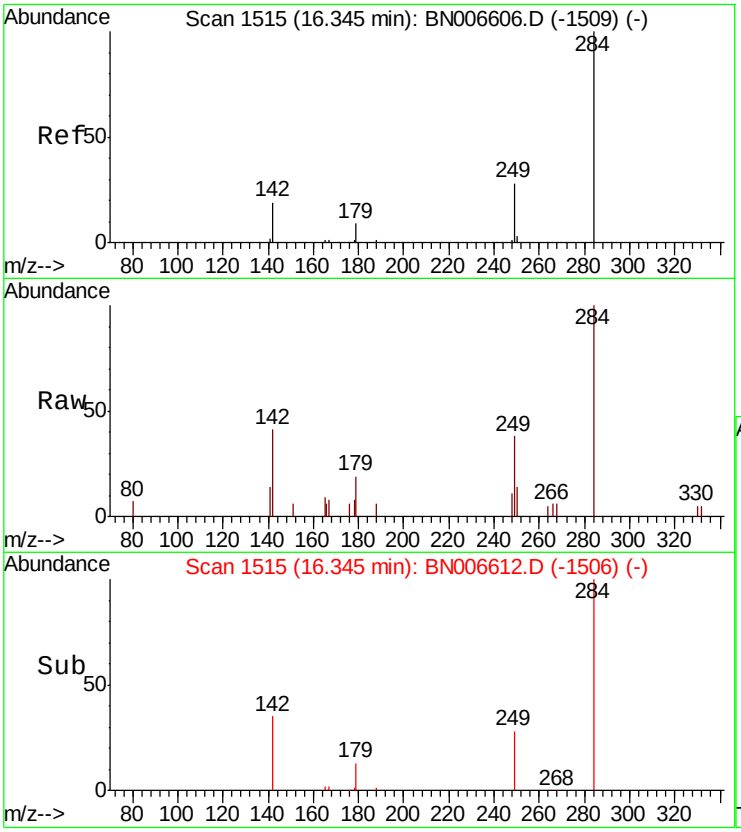


#20
4-Bromophenyl-phenylether
Concen: 0.108 ng
RT: 16.24 min Scan# 1505
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:248 Resp: 1114

Ion	Ratio	Lower	Upper
248	100		
250	100.4	82.2	123.4
141	68.9	43.8	65.8#



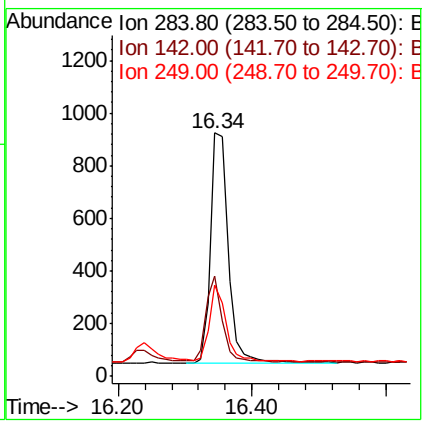


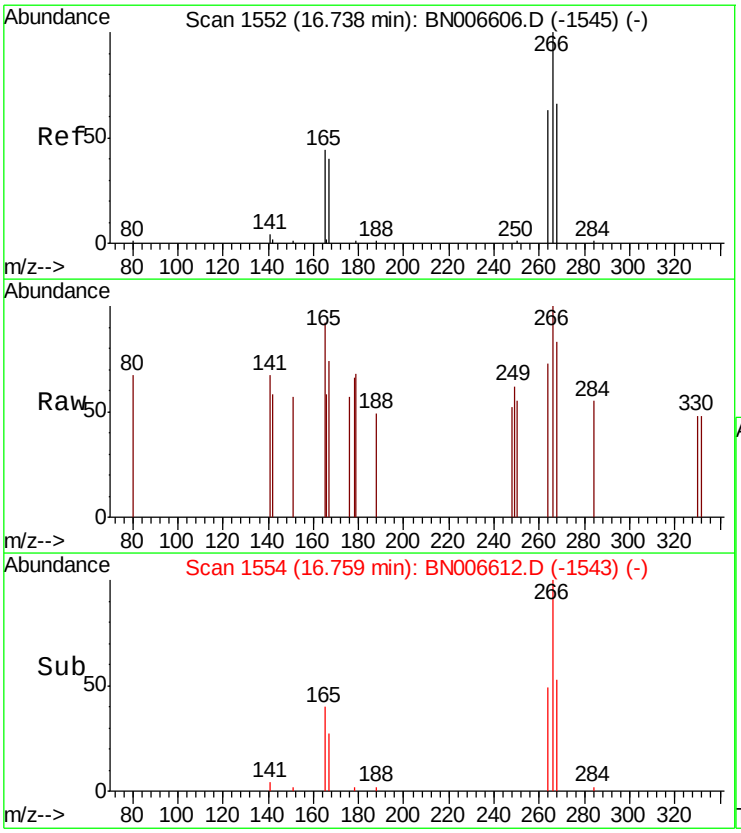
#21
Hexachlorobenzene
Concen: 0.123 ng
RT: 16.34 min Scan# 1515
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:284 Resp: 1603

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.5	41.3
249	31.0	24.7	37.1

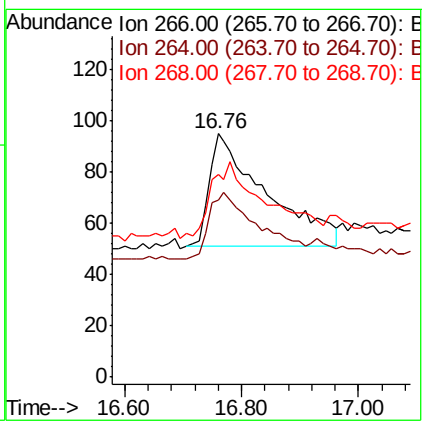


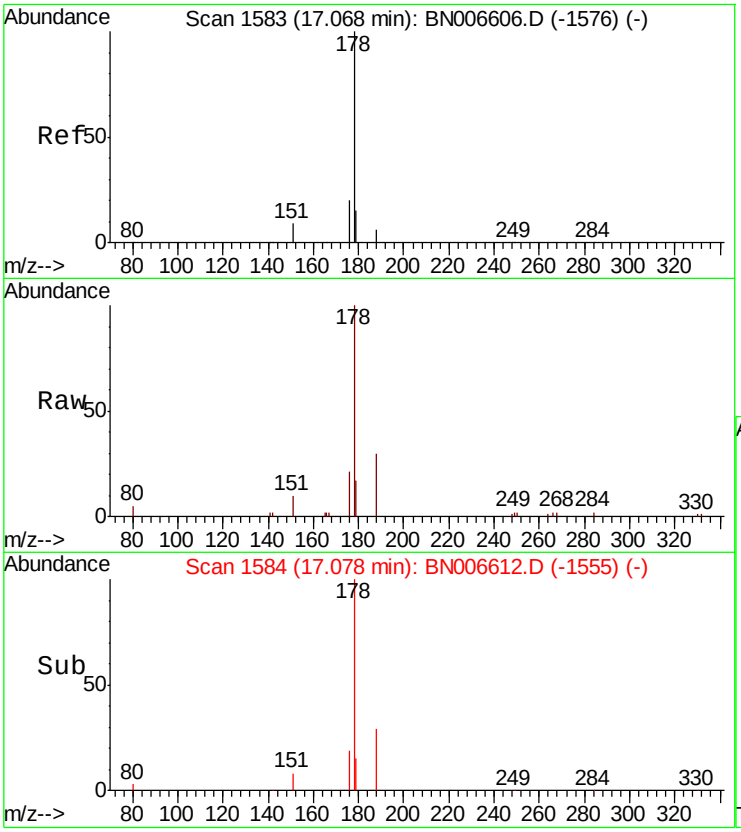


#22
Pentachlorophenol
Concen: 0.291 ng
RT: 16.76 min Scan# 1554
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:266 Resp: 295

Ion	Ratio	Lower	Upper
266	100		
264	72.6	56.2	84.4
268	83.2	63.0	94.4



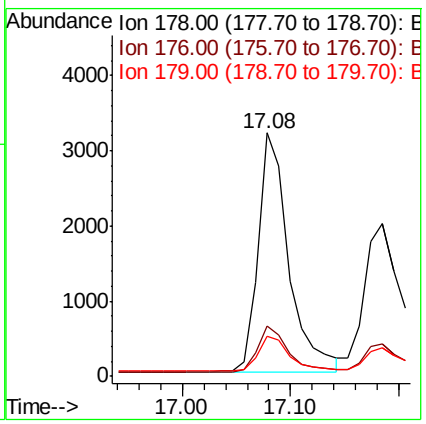


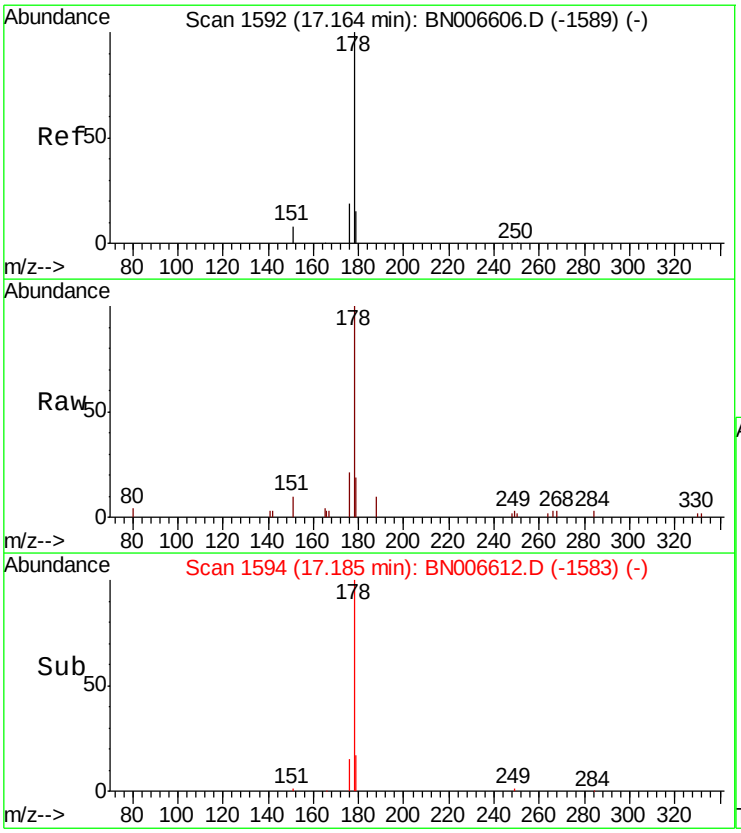
#23
Phenanthrene
Concen: 0.118 ng
RT: 17.08 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:178 Resp: 6220

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.3	22.9
179	16.1	12.2	18.4

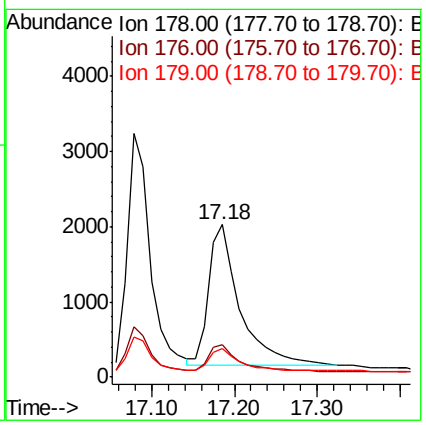


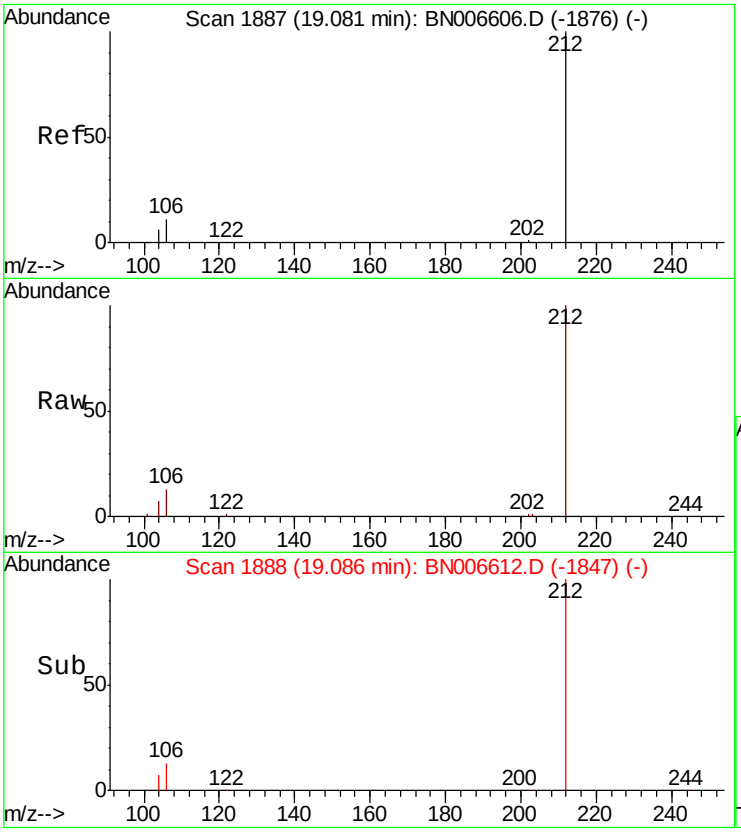


#24
Anthracene
Concen: 0.106 ng
RT: 17.18 min Scan# 1594
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:178 Resp: 4861

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.0	22.4
179	15.4	12.2	18.2



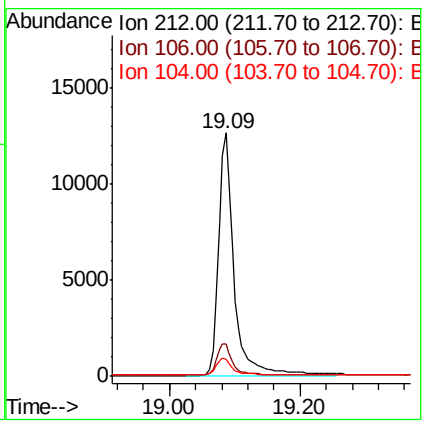


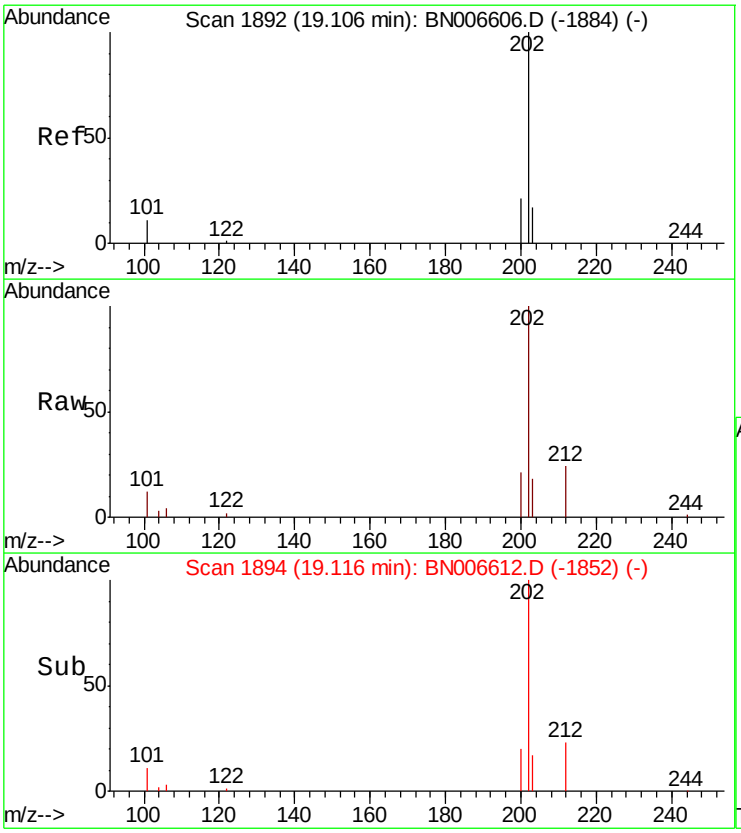
#25
Fluoranthene-d10
Concen: 0.384 ng
RT: 19.09 min Scan# 1888
Delta R.T. 0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:212 Resp: 20928

Ion	Ratio	Lower	Upper
212	100		
106	13.5	10.6	15.8
104	7.3	5.8	8.6

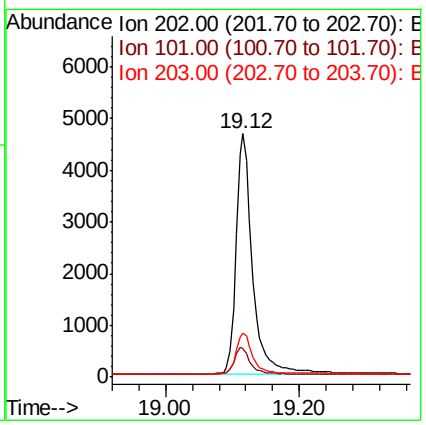


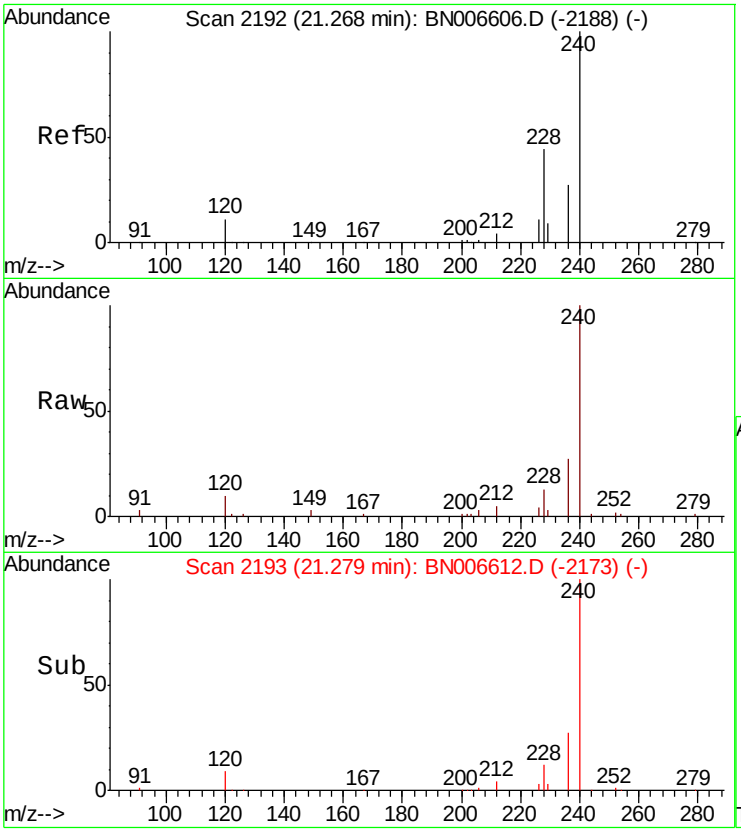


#26
Fluoranthene
Concen: 0.127 ng
RT: 19.12 min Scan# 1894
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:202 Resp: 8119

Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
203	17.6	13.6	20.4



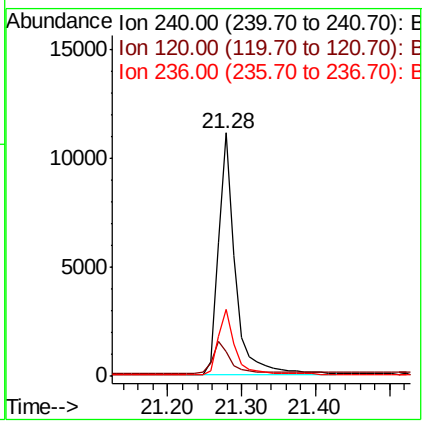


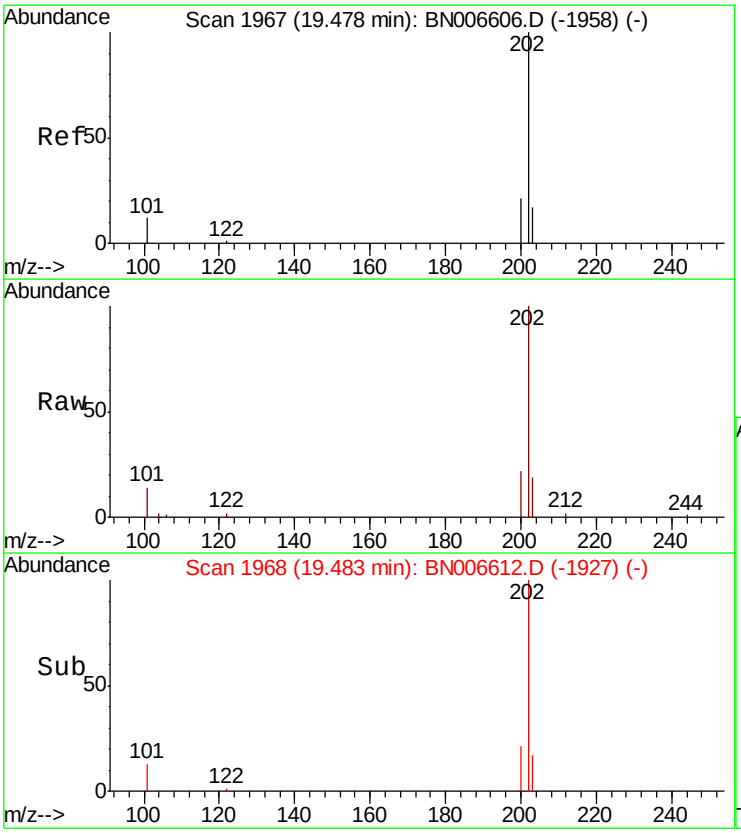
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:240 Resp: 18080

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.9	14.9
236	27.5	22.2	33.4

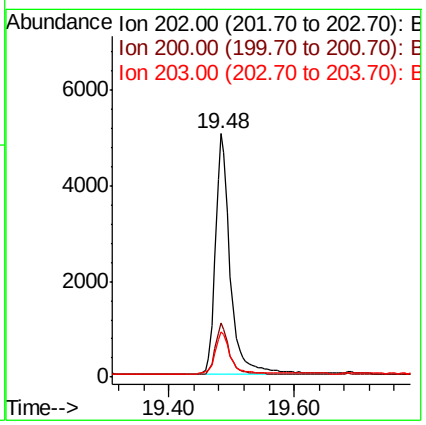


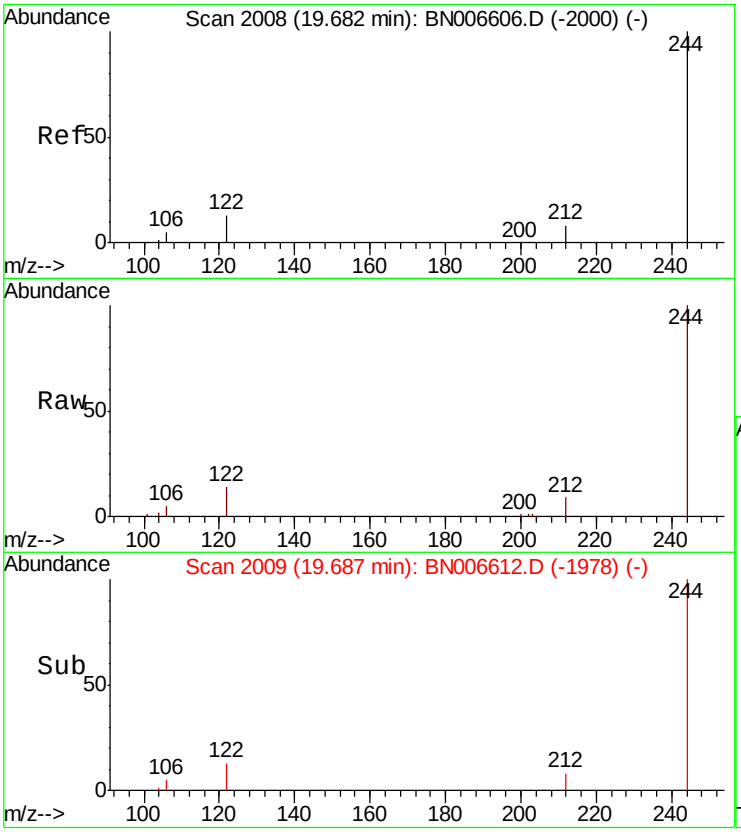


#28
Pyrene
Concen: 0.131 ng
RT: 19.48 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:202 Resp: 8299

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	18.1	14.1	21.1



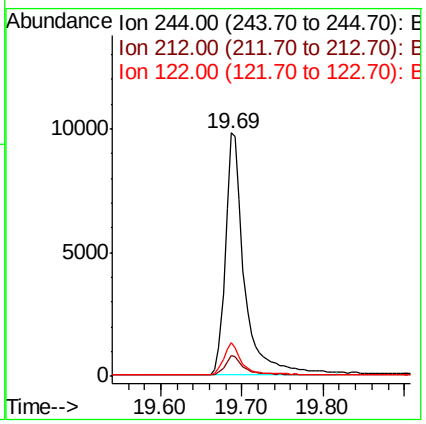


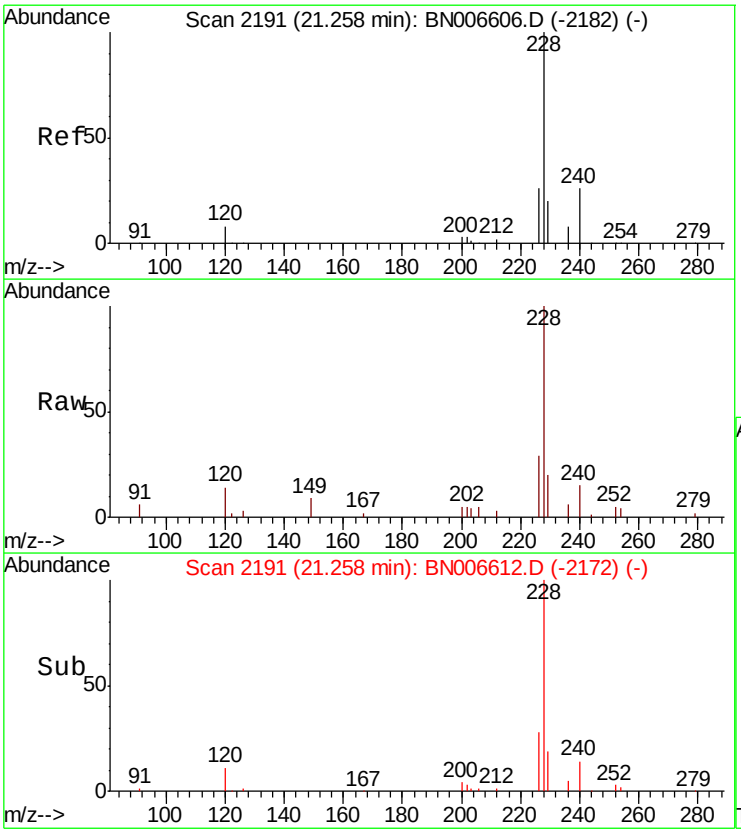
#29
Terphenyl-d14
Concen: 0.425 ng
RT: 19.69 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:244 Resp: 16084

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.7	10.1
122	13.9	11.0	16.6

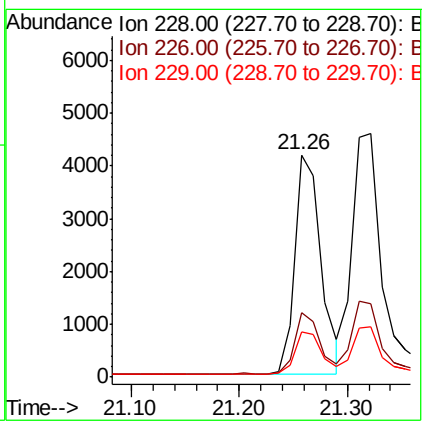


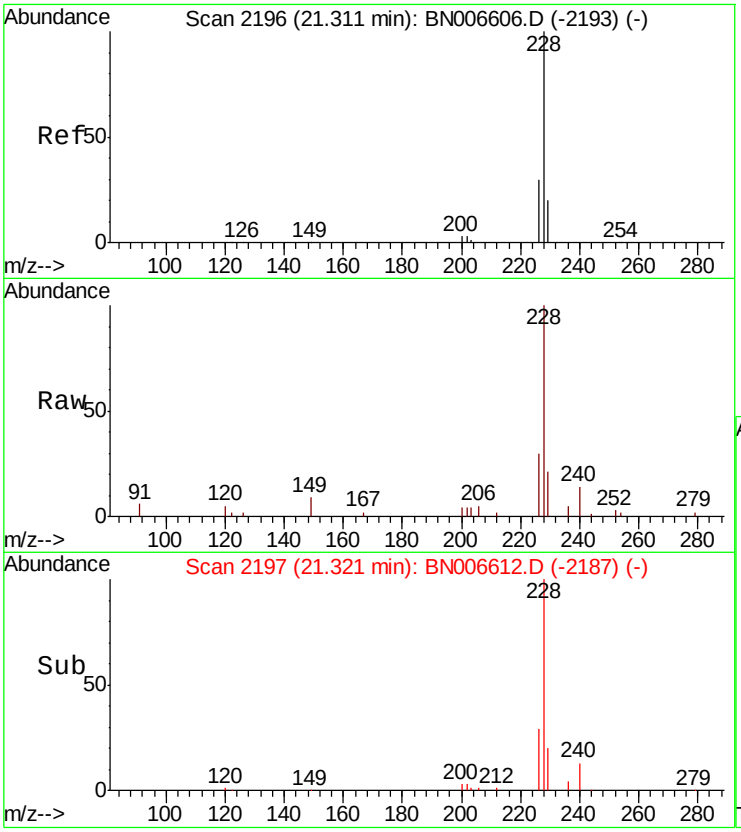


#30
Benzo(a)anthracene
Concen: 0.118 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:228 Resp: 6957

Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.2	31.8
229	20.5	16.1	24.1



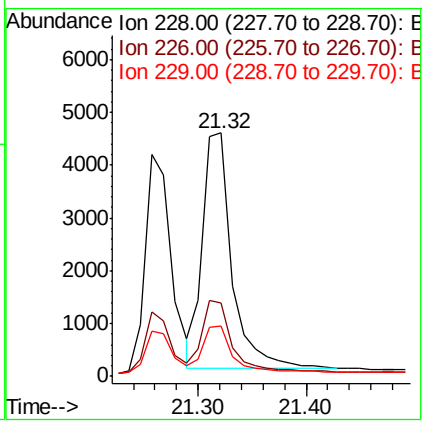


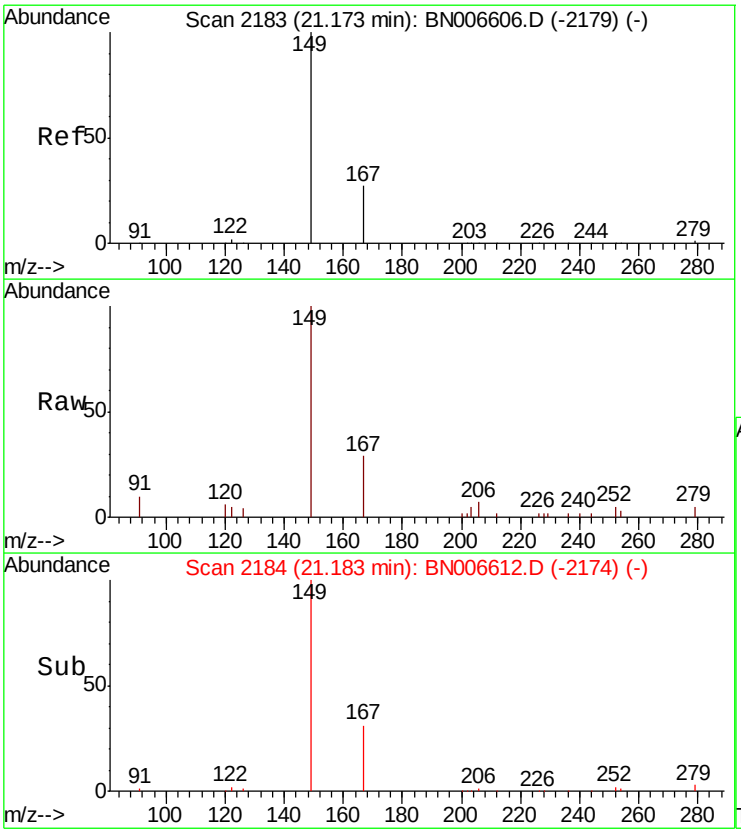
#31
Chrysene
Concen: 0.131 ng
RT: 21.32 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:228 Resp: 8374

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	20.7	15.9	23.9

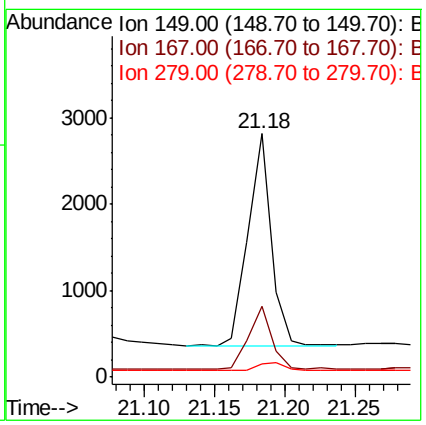


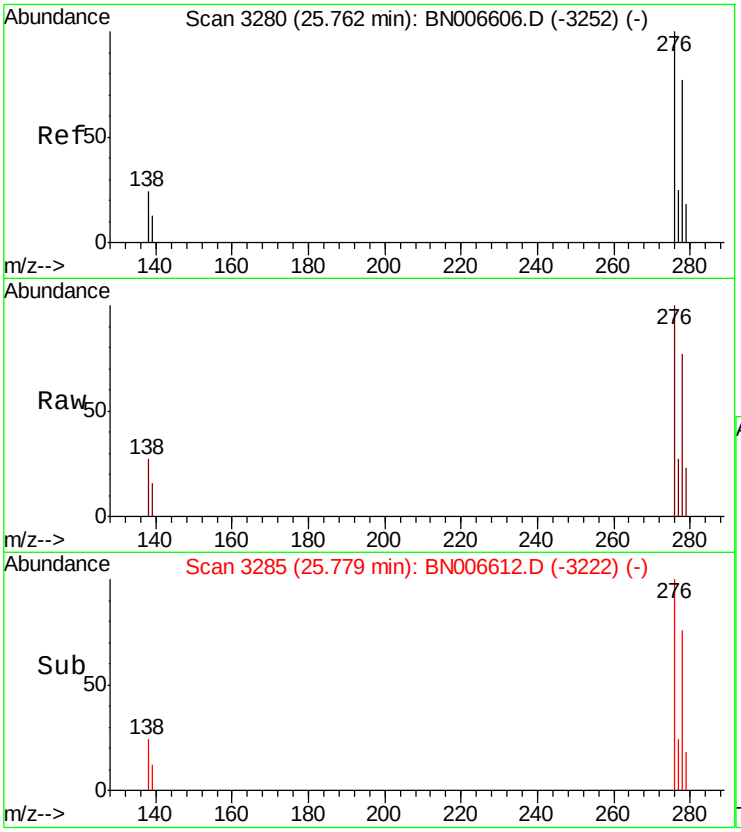


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.096 ng
RT: 21.18 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:149 Resp: 2869

Ion	Ratio	Lower	Upper
149	100		
167	29.9	22.9	34.3
279	4.6	3.3	4.9



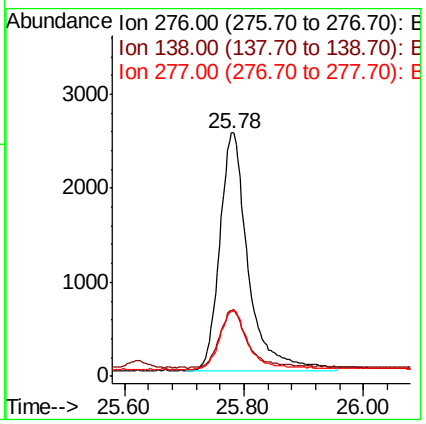


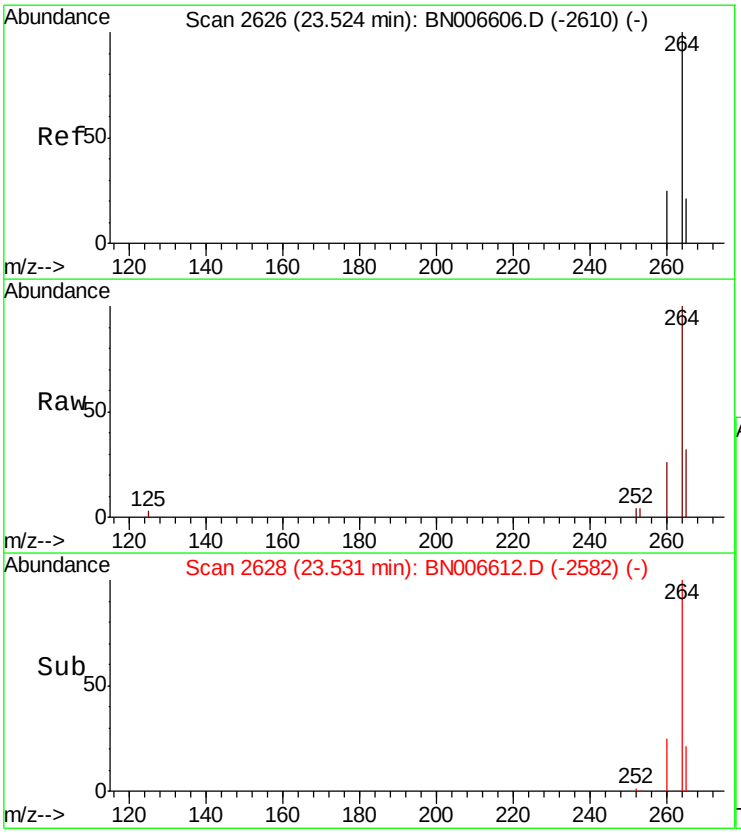
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.129 ng
RT: 25.78 min Scan# 3285
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:276 Resp: 8319

Ion	Ratio	Lower	Upper
276	100		
138	23.4	19.3	28.9
277	24.9	19.9	29.9

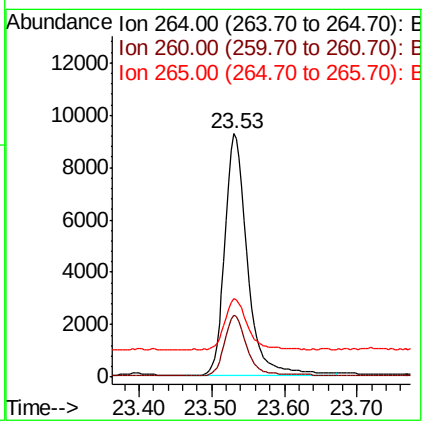


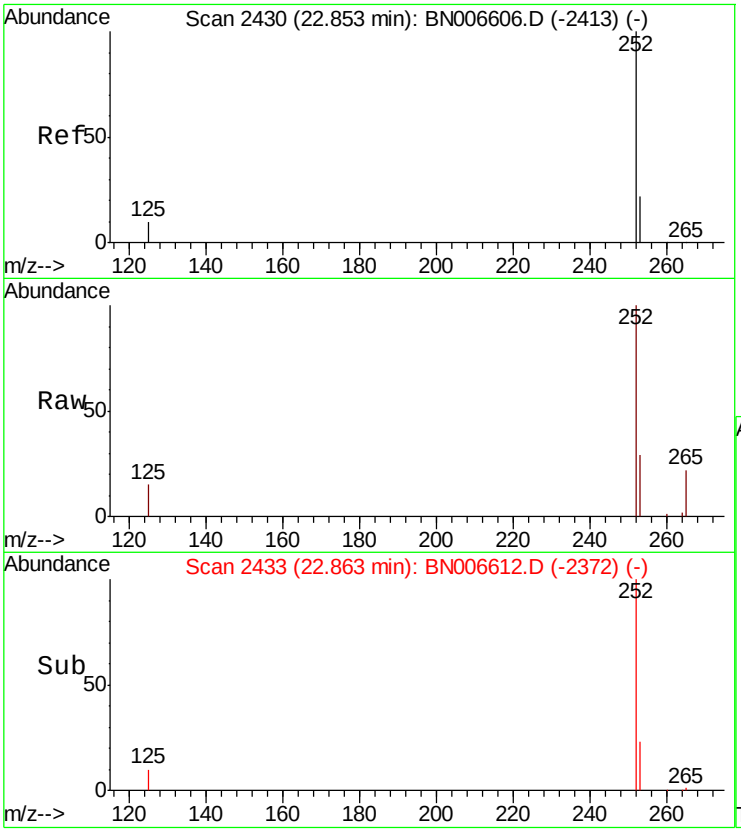


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:264 Resp: 19713

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.2	30.2
265	32.1	23.3	34.9



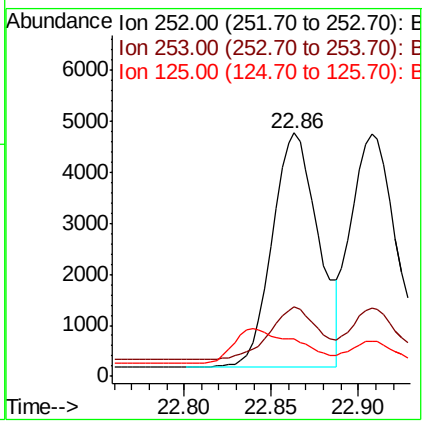


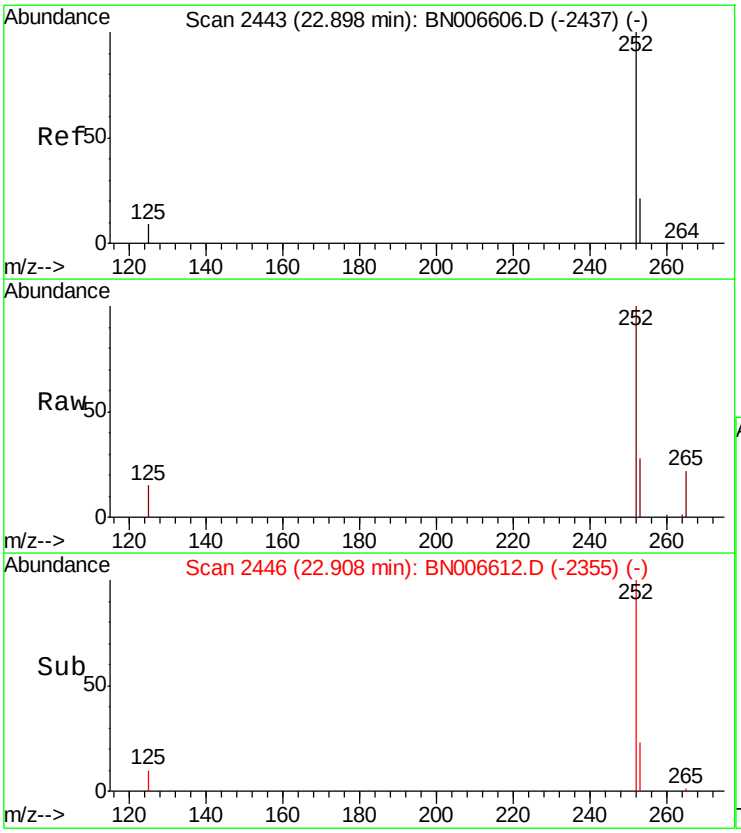
#35
Benzo(b)fluoranthene
Concen: 0.127 ng
RT: 22.86 min Scan# 2433
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:252 Resp: 8491

Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.4	27.6#
125	15.2	8.7	13.1#

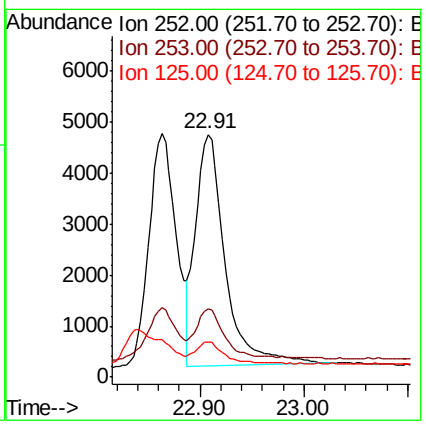


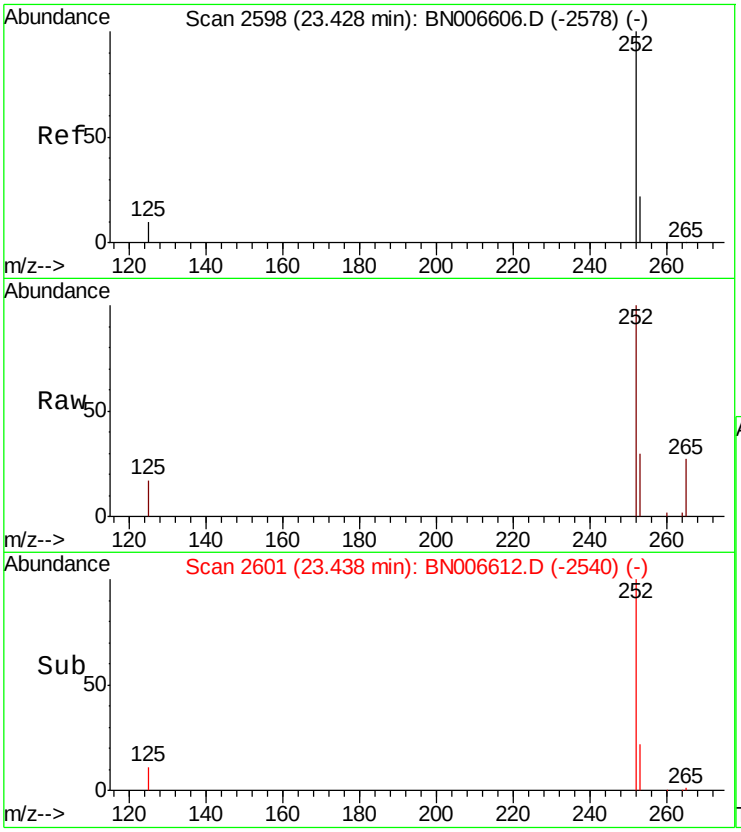


#36
Benzo(k)fluoranthene
Concen: 0.125 ng
RT: 22.91 min Scan# 2446
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:252 Resp: 8962

Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.3	27.5#
125	14.7	8.4	12.6#



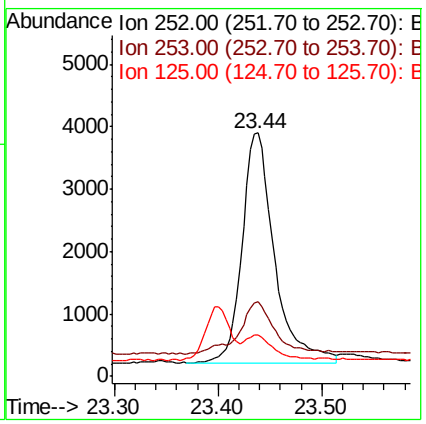


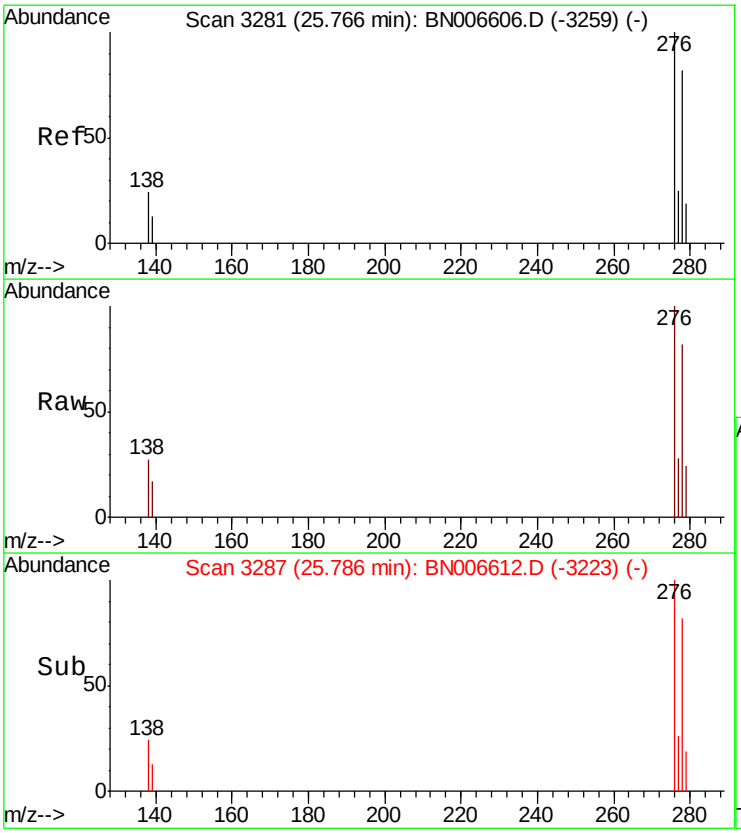
#37
Benzo(a)pyrene
Concen: 0.127 ng
RT: 23.44 min Scan# 2601
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:252 Resp: 7975

Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.8	28.2#
125	16.8	9.4	14.2#

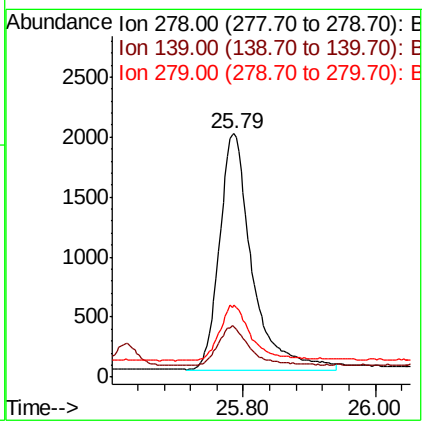


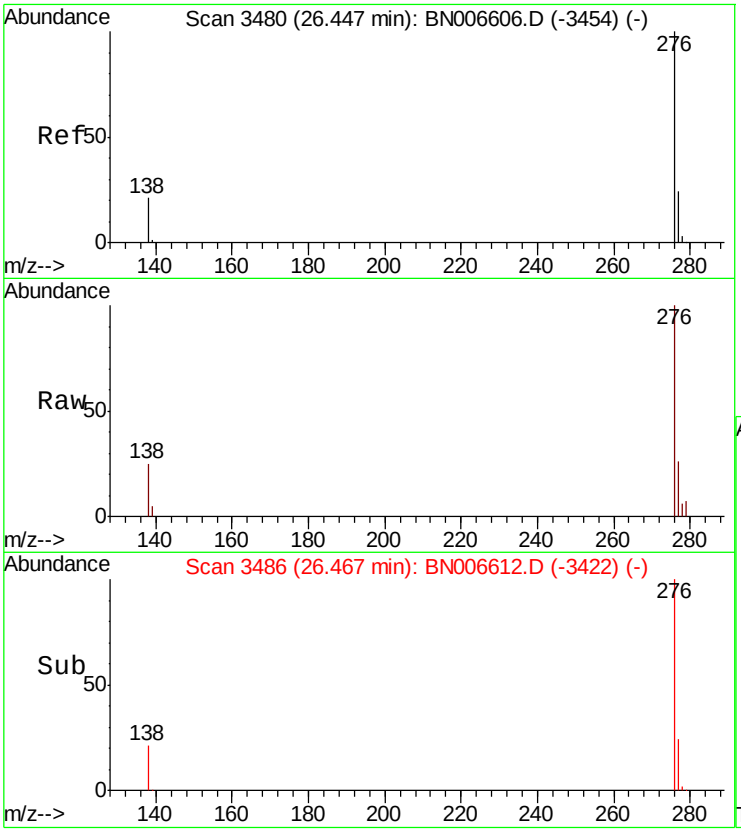


#38
Dibenzo(a,h)anthracene
Concen: 0.124 ng
RT: 25.79 min Scan# 3287
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:278 Resp: 6771

Ion	Ratio	Lower	Upper
278	100		
139	20.7	13.5	20.3#
279	29.7	19.4	29.2#





#39
Benzo(g,h,i)perylene
Concen: 0.131 ng
RT: 26.47 min Scan# 3486
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:276 Resp: 7154

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.6	29.4
138	24.6	17.7	26.5