Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032919\
Data File : BN005034.D
Acq On : 29 Mar 2019 15:17
Operator : JU/SJ
Sample : K1560-01
Misc : LOD 0.1 PPM
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 29 23:49:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:42:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	2556	0.40	ng		0.00
7) Naphthalene-d8	10.45	136	10392	0.40	ng		0.01
13) Acenaphthene-d10	14.31	164	6463	0.40	ng		0.01
19) Phenanthrene-d10	17.07	188	16011	0.40	ng		0.01
27) Chrysene-d12	21.26	240	17907	0.40	ng		0.00
34) Perylene-d12	23.50	264	17704	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	2451	0.38	ng		0.00
5) Phenol-d6	6.86	99	2695	0.36	ng		0.00
8) Nitrobenzene-d5	8.84	82	1997	0.33	ng		0.01
11) 2-Methylnaphthalene-d10	12.05	152	5860	0.36	ng		0.00
14) 2,4,6-Tribromophenol	15.83	330	1171	0.32	ng		0.01
15) 2-Fluorobiphenyl	12.93	172	9338	0.38	ng		0.01
25) Fluoranthene-d10	19.10	212	16371	0.36	ng		0.00
29) Terphenyl-d14	19.70	244	16041	0.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	294	0.107	ng		96
3) n-Nitrosodimethylamine	3.56	42	76	0.045	ng	#	89
6) bis(2-Chloroethyl)ether	7.10	93	664	0.093	ng		91
9) Naphthalene	10.50	128	2577	0.099	ng	#	92
10) Hexachlorobutadiene	10.76	225	492	0.101	ng	#	100
12) 2-Methylnaphthalene	12.12	142	1776	0.094	ng		98
16) Acenaphthylene	14.03	152	2551	0.084	ng		99
17) Acenaphthene	14.37	154	1817	0.094	ng		99
18) Fluorene	15.37	166	2410	0.093	ng		99
20) 4-Bromophenyl-phenylether	16.26	248	820	0.089	ng		97
21) Hexachlorobenzene	16.37	284	958	0.095	ng		99
22) Pentachlorophenol	16.77	266	57	0.118	ng	#	70
23) Phenanthrene	17.10	178	4180	0.093	ng		100
24) Anthracene	17.21	178	3379	0.085	ng		99
26) Fluoranthene	19.13	202	5284	0.096	ng		99
28) Pyrene	19.50	202	5164	0.102	ng		100
30) Benzo(a)anthracene	21.25	228	4702	0.093	ng		97
31) Chrysene	21.30	228	5641	0.104	ng		98
32) Bis(2-ethylhexyl)phthalate	21.15	149	1996	0.094	ng		98
33) Indeno(1,2,3-cd)pyrene	25.76	276	5684	0.093	ng		98
35) Benzo(b)fluoranthene	22.83	252	5355	0.094	ng	#	89
36) Benzo(k)fluoranthene	22.87	252	5640	0.103	ng	#	87
37) Benzo(a)pyrene	23.40	252	4584	0.091	ng	#	80
38) Dibenzo(a,h)anthracene	25.77	278	4565	0.090	ng	#	89
39) Benzo(g,h,i)perylene	26.45	276	4993	0.098	ng		95

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

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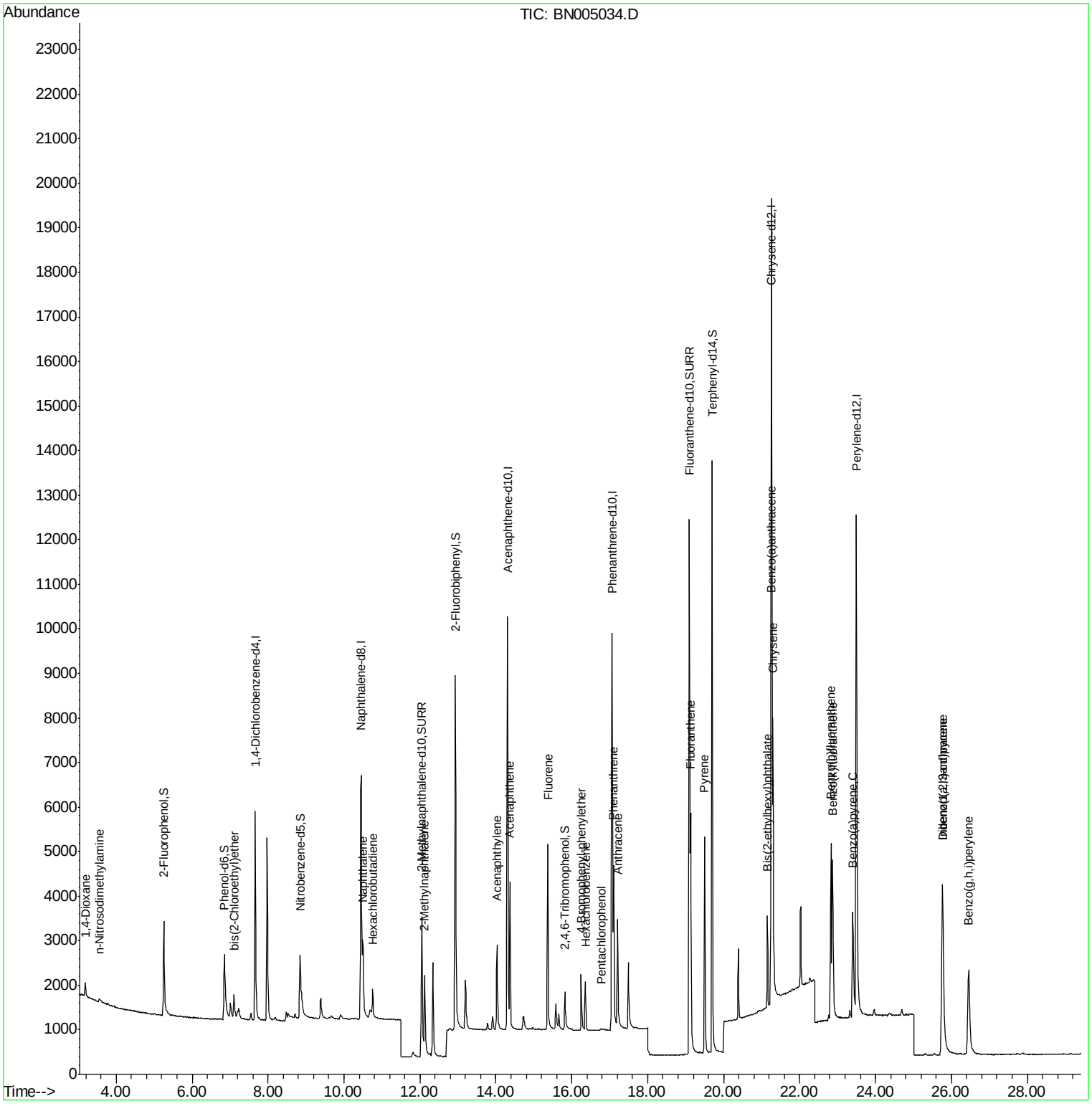
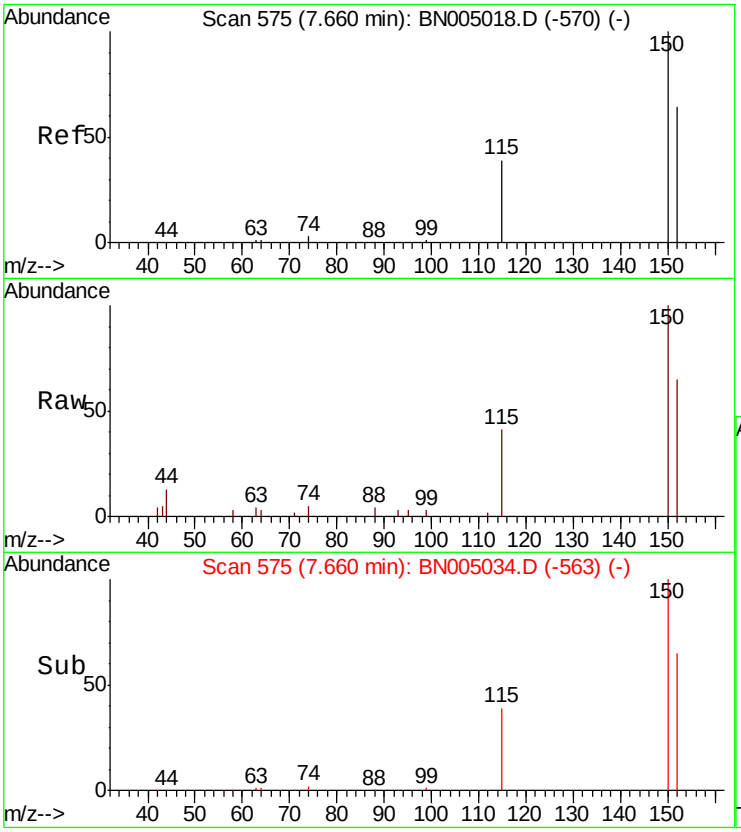
Data File : BN005034.D
Acq On : 29 Mar 2019 15:17
Operator : JU/SJ
Sample : K1560-01
Misc : LOD 0.1 PPM
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 29 23:49:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:42:17 2019
Response via : Initial Calibration



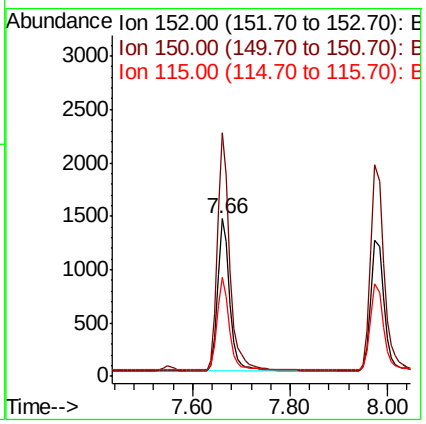


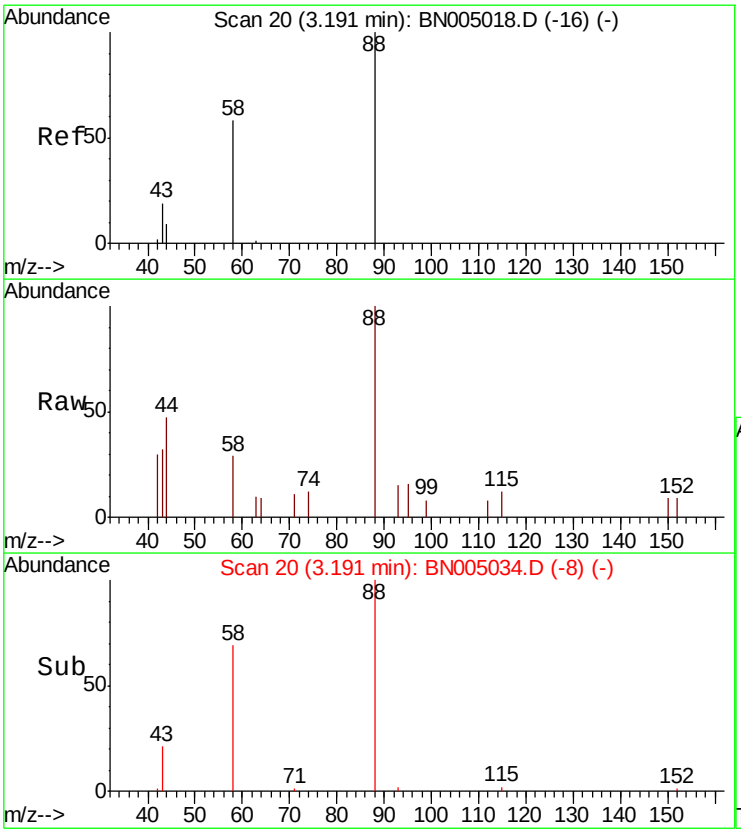
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 575
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:152 Resp: 2556

Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.4	185.2
115	62.7	50.0	75.0

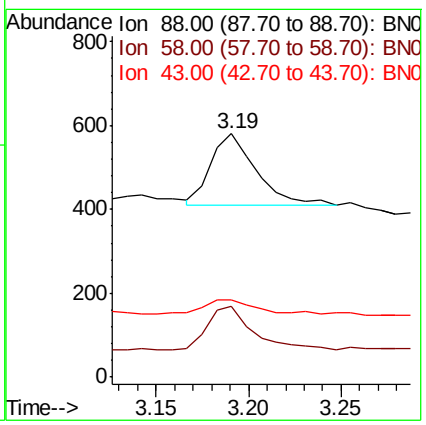


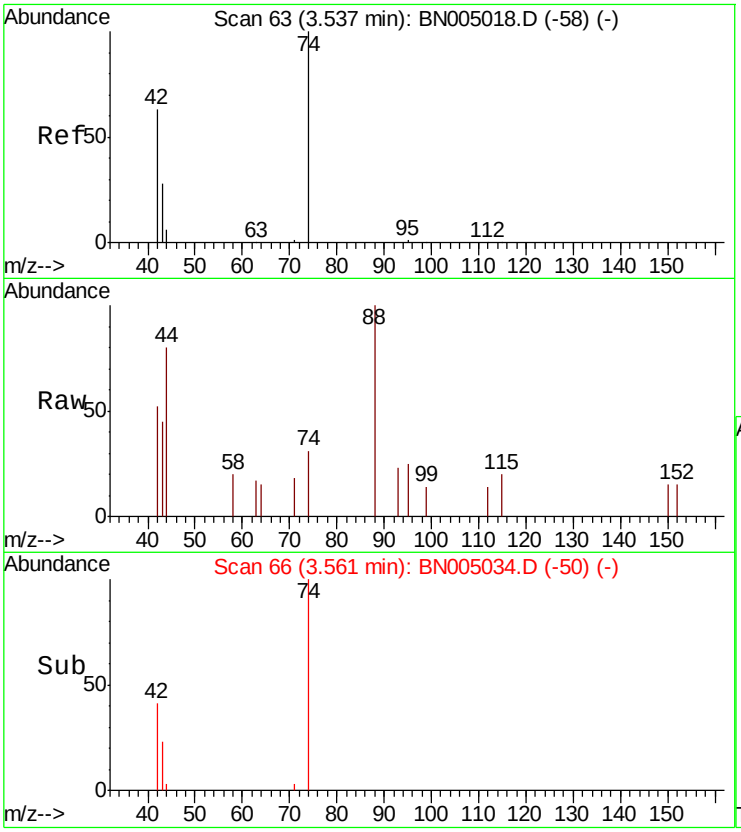


#2
1,4-Dioxane
Concen: 0.107 ng
RT: 3.19 min Scan# 20
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion: 88 Resp: 294

Ion	Ratio	Lower	Upper
88	100		
58	62.6	52.8	79.2
43	22.4	19.6	29.4



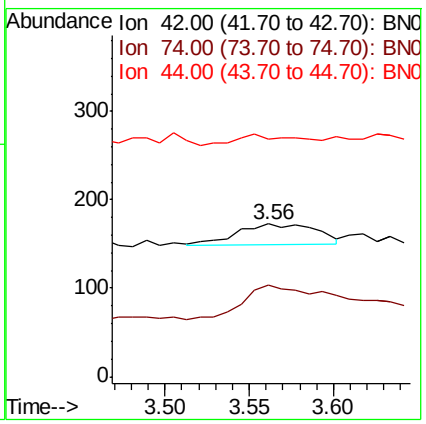


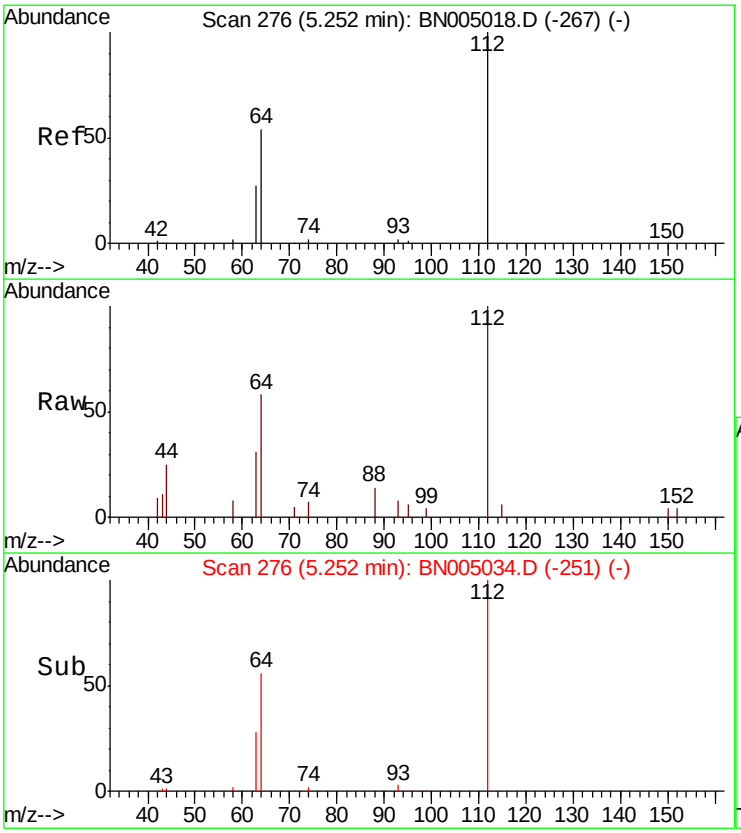
#3
n-Nitrosodimethylamine
Concen: 0.045 ng
RT: 3.56 min Scan# 66
Delta R.T. 0.03 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 42 Resp: 76

Ion	Ratio	Lower	Upper
42	100		
74	169.7	129.1	193.7
44	39.5	11.6	17.4#

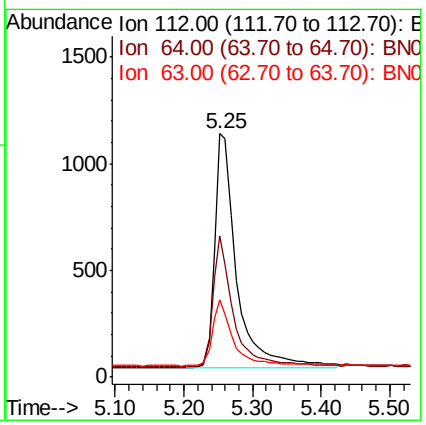


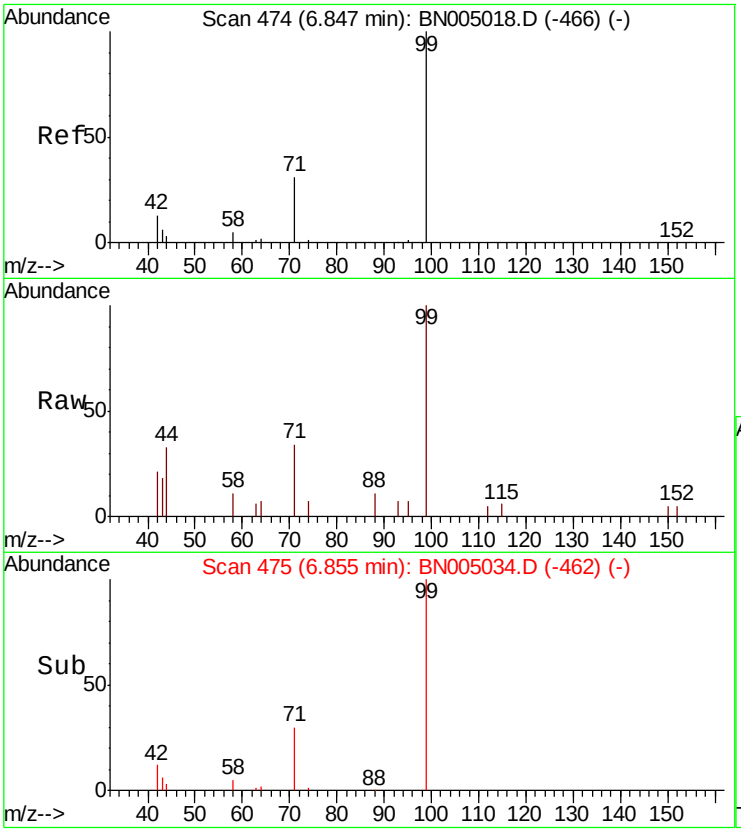


#4
2-Fluorophenol
Concen: 0.384 ng
RT: 5.25 min Scan# 276
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:112 Resp: 2451

Ion	Ratio	Lower	Upper
112	100		
64	52.6	41.9	62.9
63	27.3	21.5	32.3



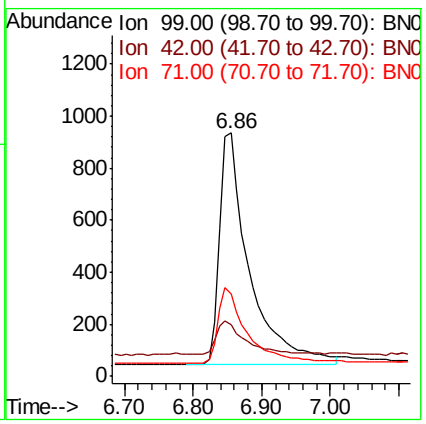


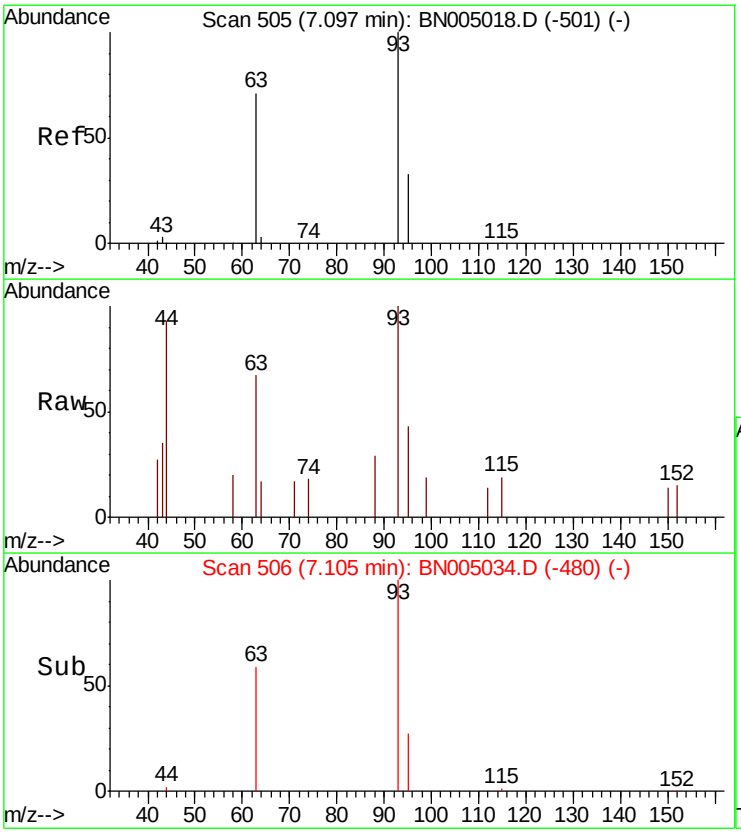
#5
Phenol-d6
Concen: 0.357 ng
RT: 6.86 min Scan# 475
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 99 Resp: 2695

Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.2	18.2
71	31.9	26.1	39.1

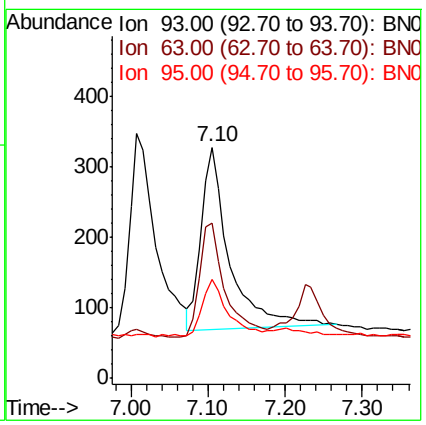


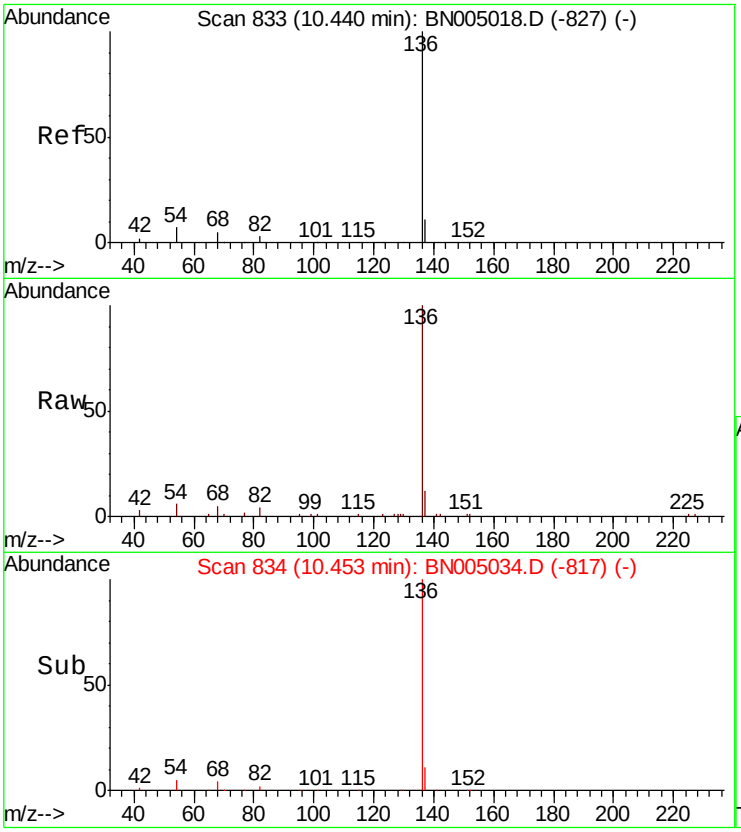


#6
bis(2-Chloroethyl)ether
Concen: 0.093 ng
RT: 7.10 min Scan# 506
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion: 93 Resp: 664

Ion	Ratio	Lower	Upper
93	100		
63	57.1	51.8	77.6
95	27.1	24.8	37.2



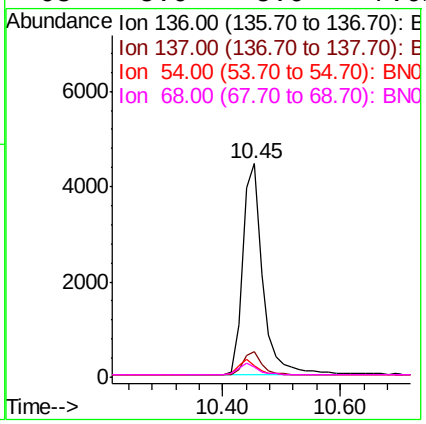


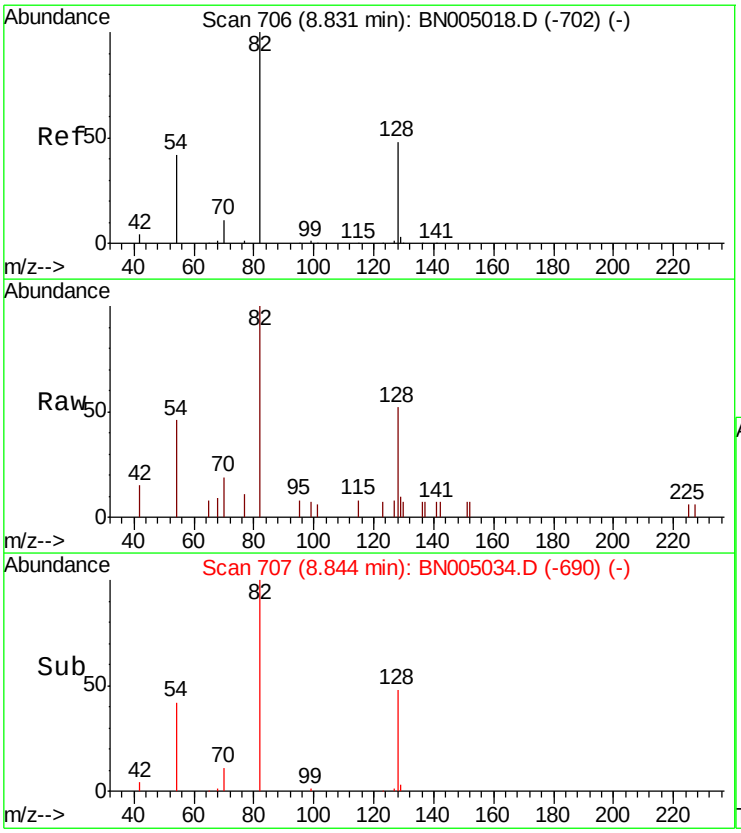
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.45 min Scan# 834
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:136 Resp: 10392

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	5.7	6.0	9.0#
68	5.0	5.0	7.6#

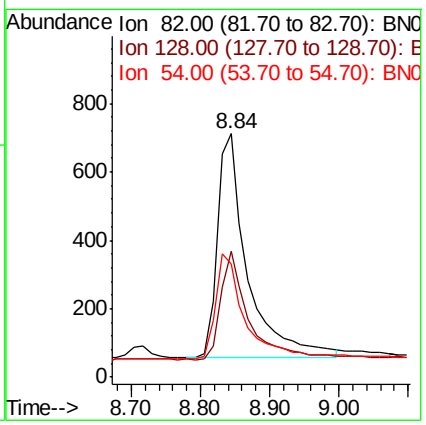


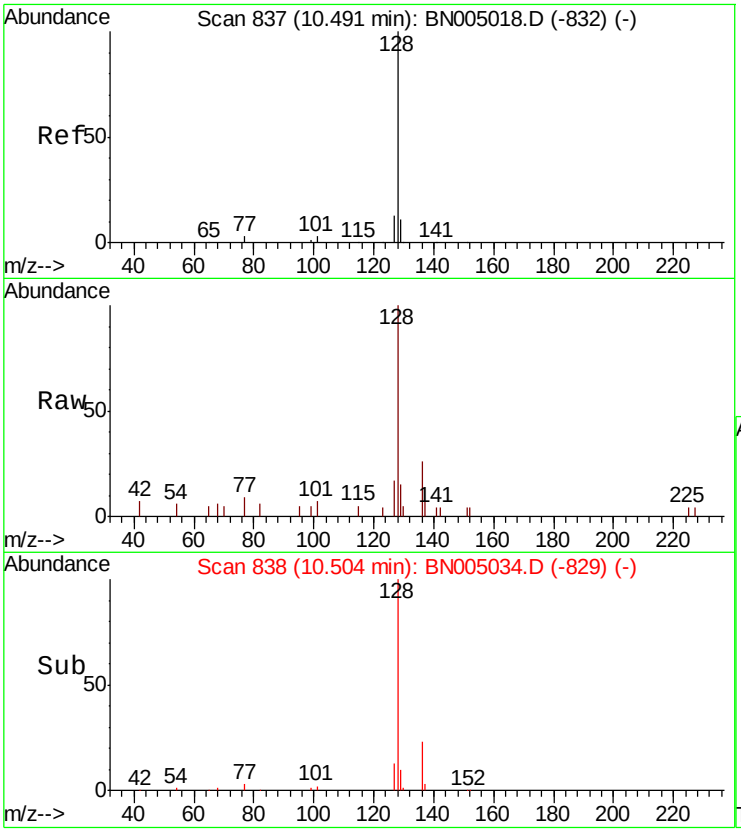


#8
Nitrobenzene-d5
Concen: 0.332 ng
RT: 8.84 min Scan# 707
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion: 82 Resp: 1997

Ion	Ratio	Lower	Upper
82	100		
128	51.5	40.5	60.7
54	46.3	35.7	53.5



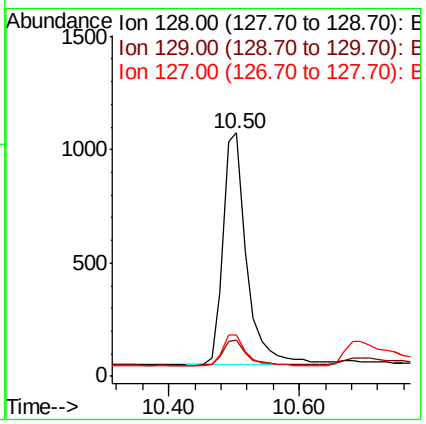


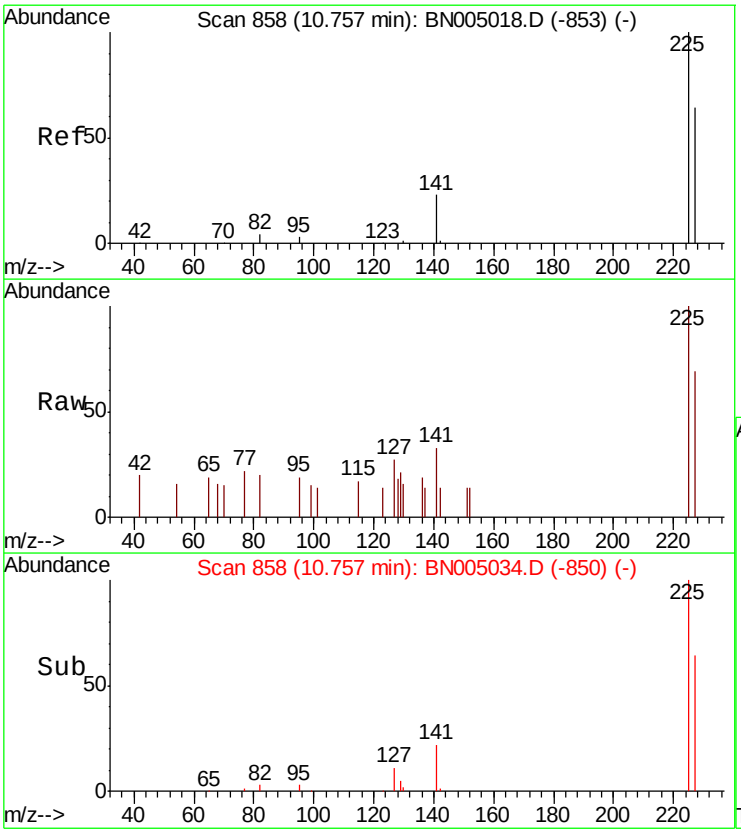
#9
Naphthalene
Concen: 0.099 ng
RT: 10.50 min Scan# 838
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:128 Resp: 2577

Ion	Ratio	Lower	Upper
128	100		
129	14.7	9.4	14.2#
127	16.9	11.0	16.6#

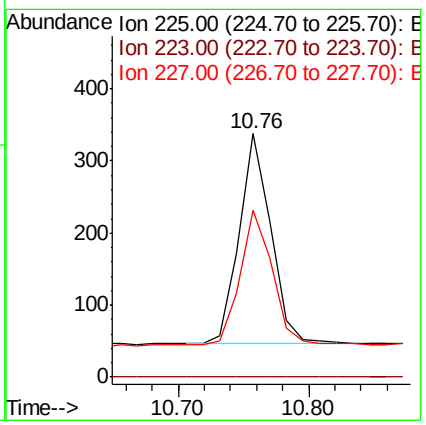


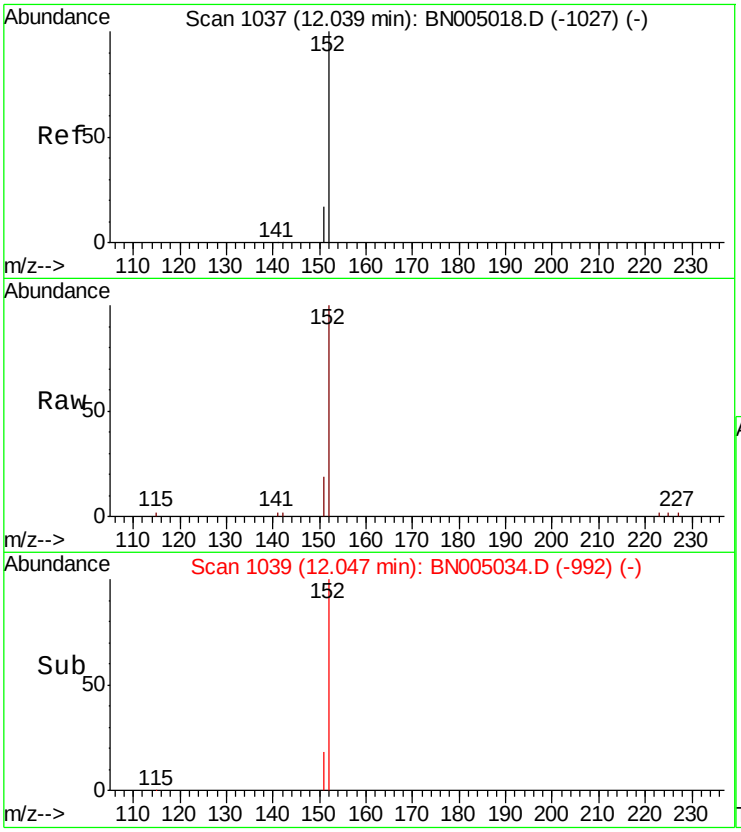


#10
Hexachlorobutadiene
Concen: 0.101 ng
RT: 10.76 min Scan# 858
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:225 Resp: 492

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.5	77.3



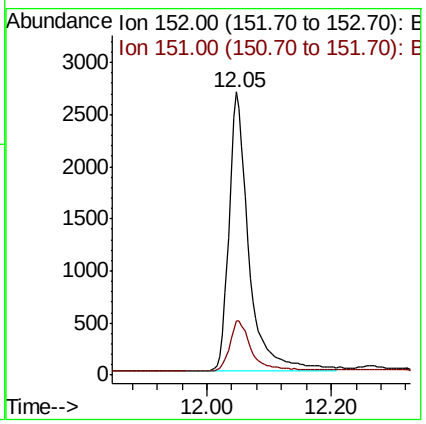


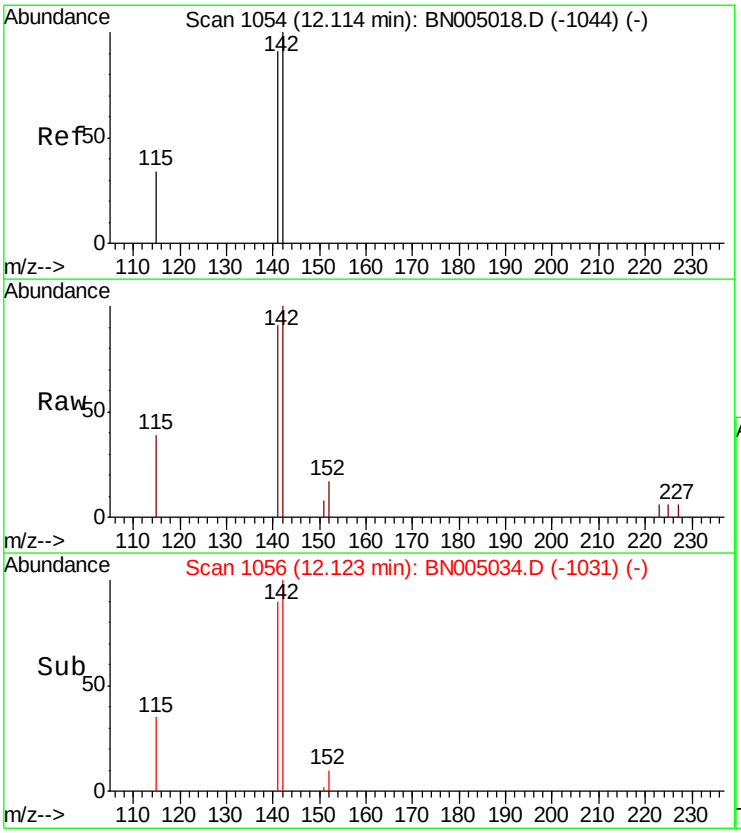
#11
2-Methylnaphthalene-d10
Concen: 0.364 ng
RT: 12.05 min Scan# 1039
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:152 Resp: 5860

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.3	22.9

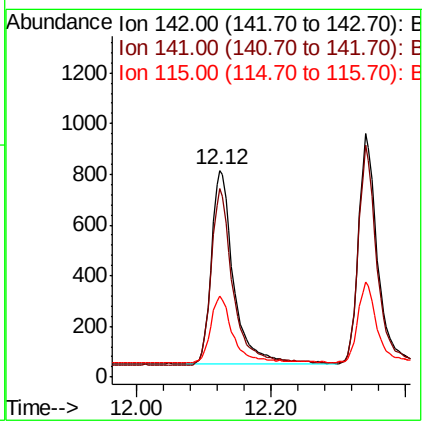


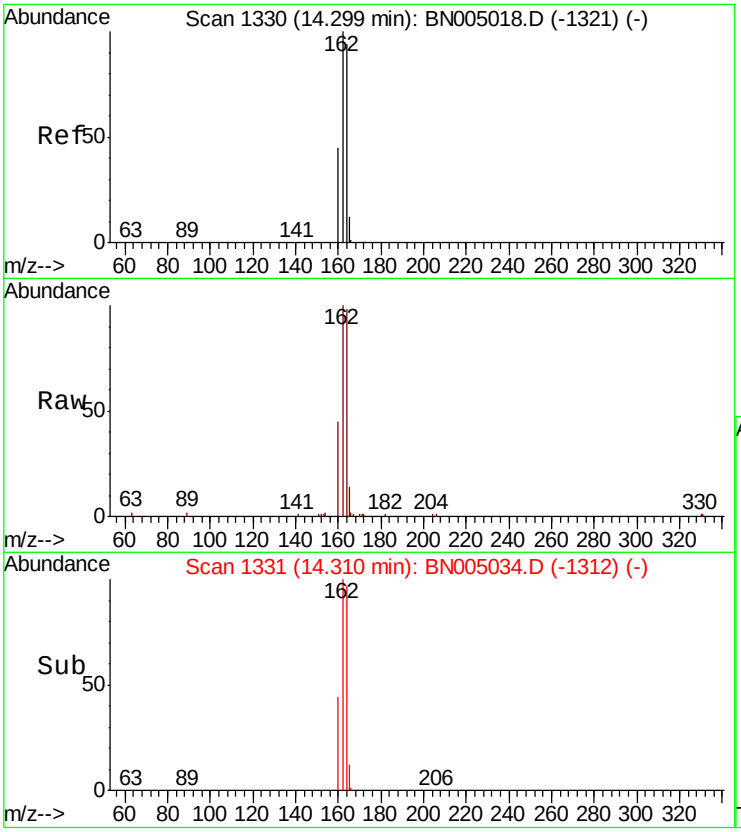


#12
2-Methylnaphthalene
Concen: 0.094 ng
RT: 12.12 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:142 Resp: 1776

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.6	108.8
115	39.3	27.8	41.8



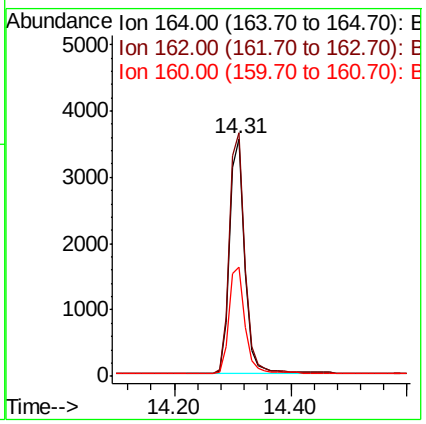


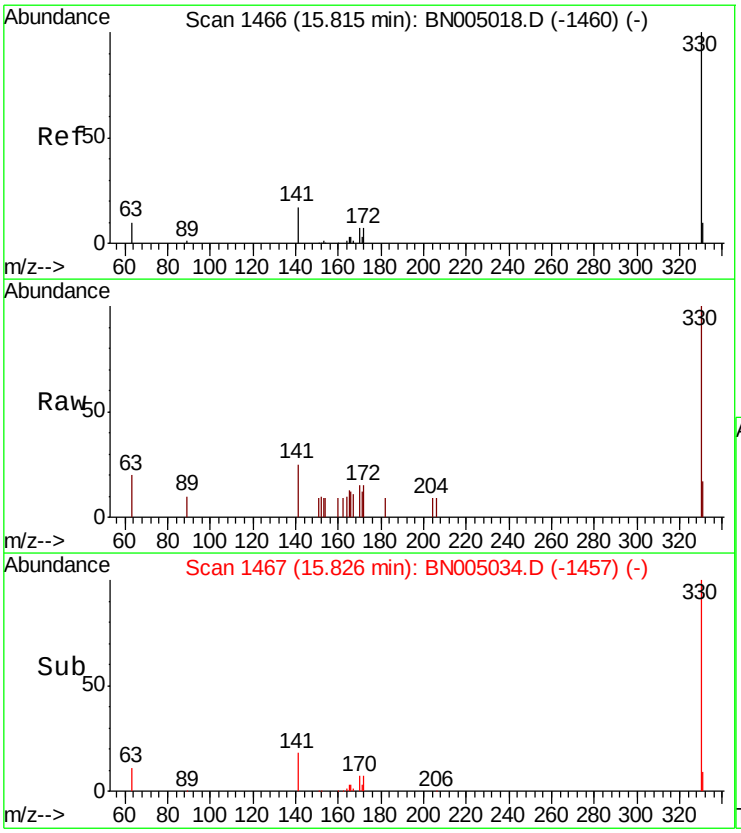
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:164 Resp: 6463

Ion	Ratio	Lower	Upper
164	100		
162	102.5	85.3	127.9
160	45.9	39.2	58.8

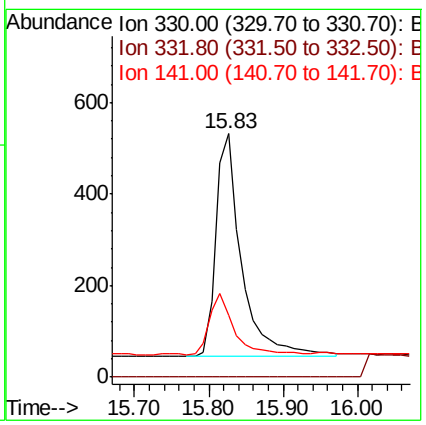


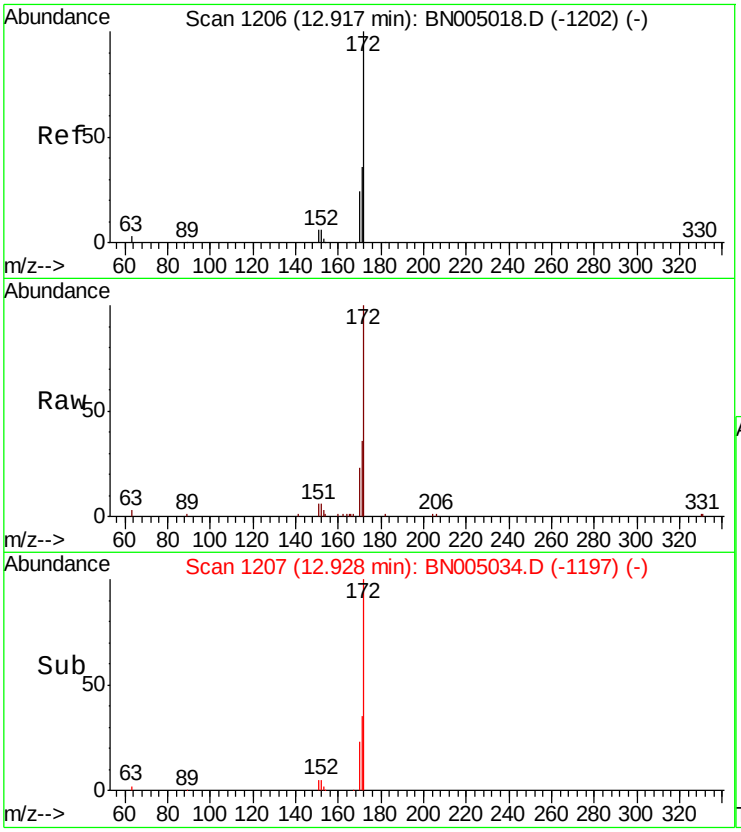


#14
2,4,6-Tribromophenol
Concen: 0.323 ng
RT: 15.83 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:330 Resp: 1171

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	26.0	21.3	31.9



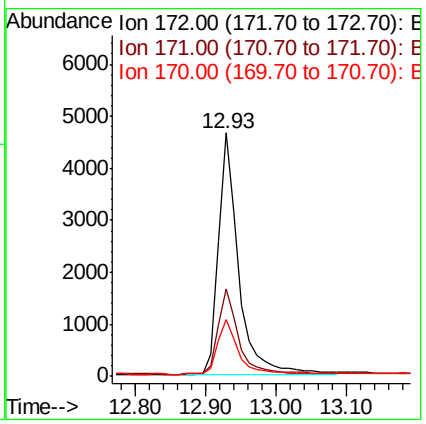


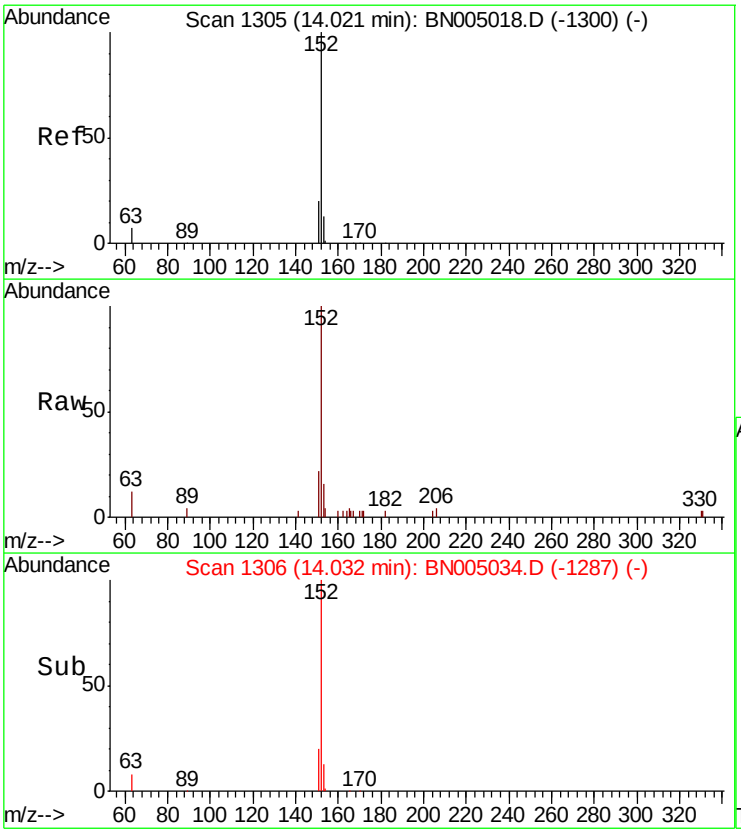
#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 12.93 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:172 Resp: 9338

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.0
170	23.5	20.0	30.0

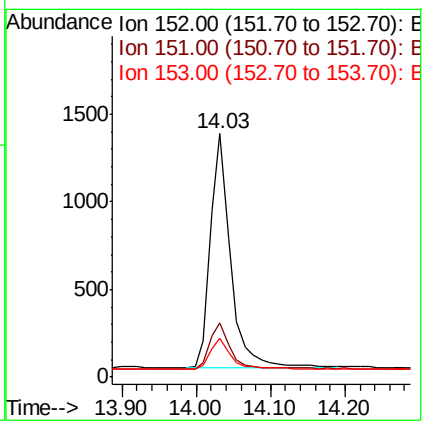


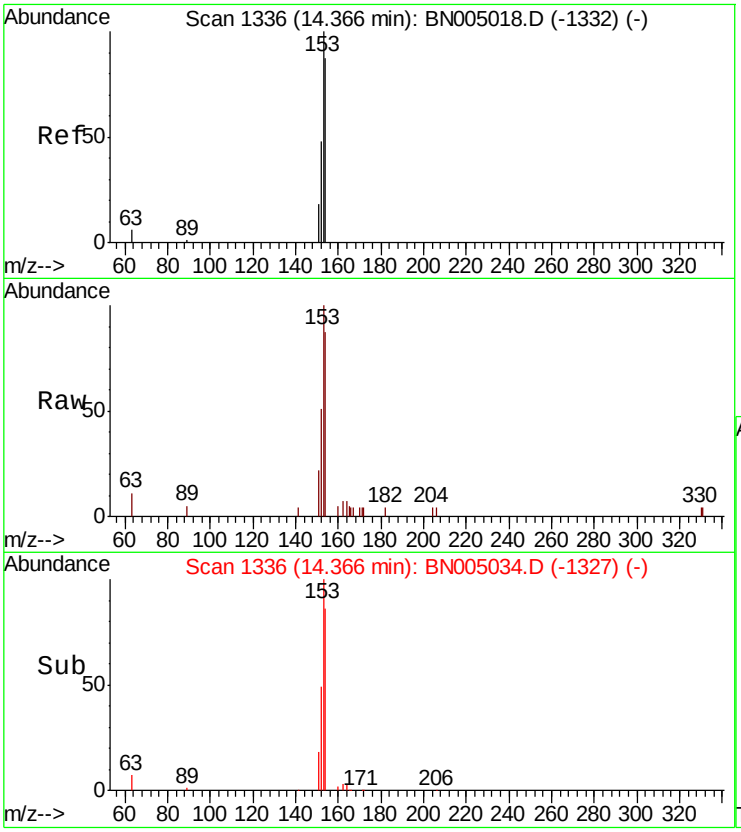


#16
Acenaphthylene
Concen: 0.084 ng
RT: 14.03 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:152 Resp: 2551

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	13.5	10.6	15.8



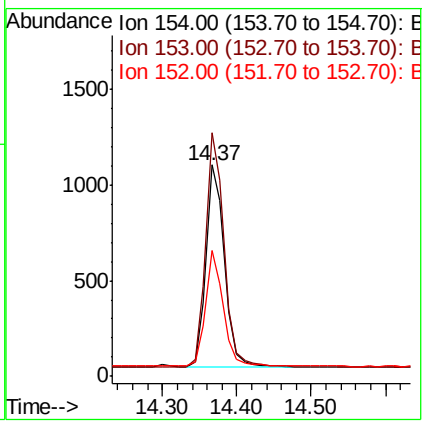


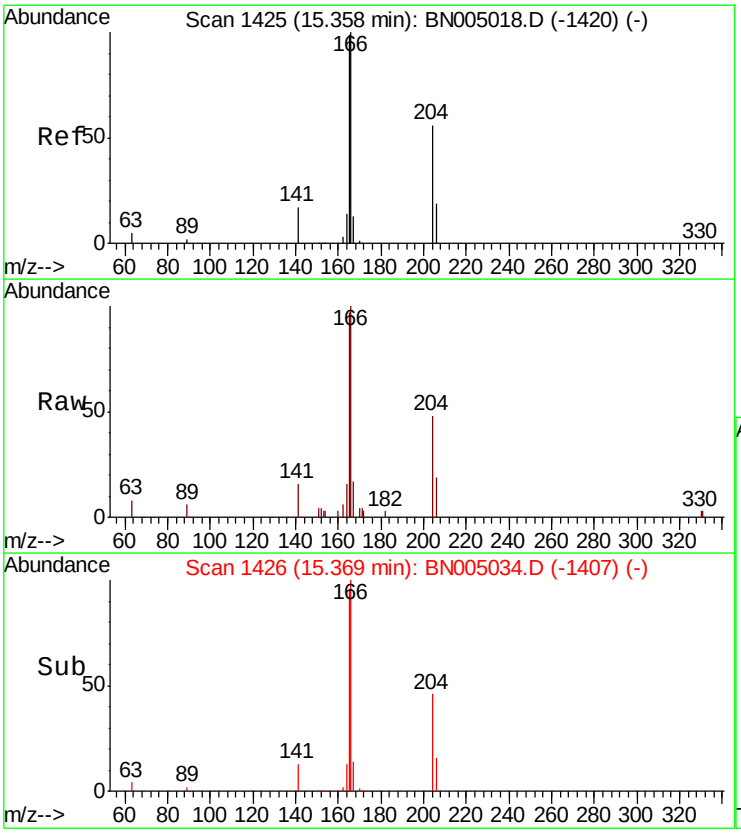
#17
Acenaphthene
Concen: 0.094 ng
RT: 14.37 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:154 Resp: 1817

Ion	Ratio	Lower	Upper
154	100		
153	116.3	92.1	138.1
152	54.7	44.2	66.2

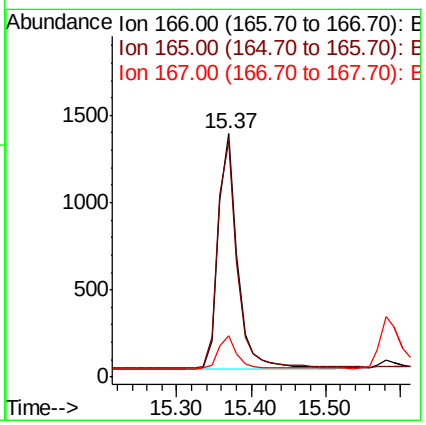


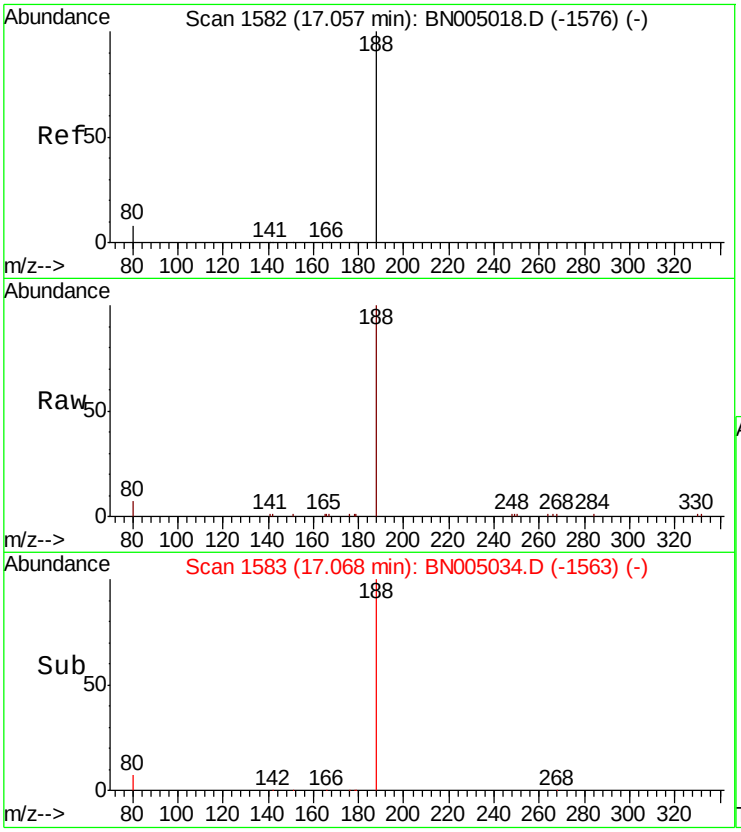


#18
Fluorene
Concen: 0.093 ng
RT: 15.37 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:166 Resp: 2410

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.7	118.1
167	13.7	10.9	16.3



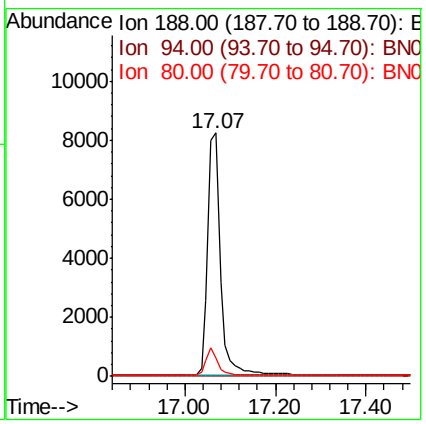


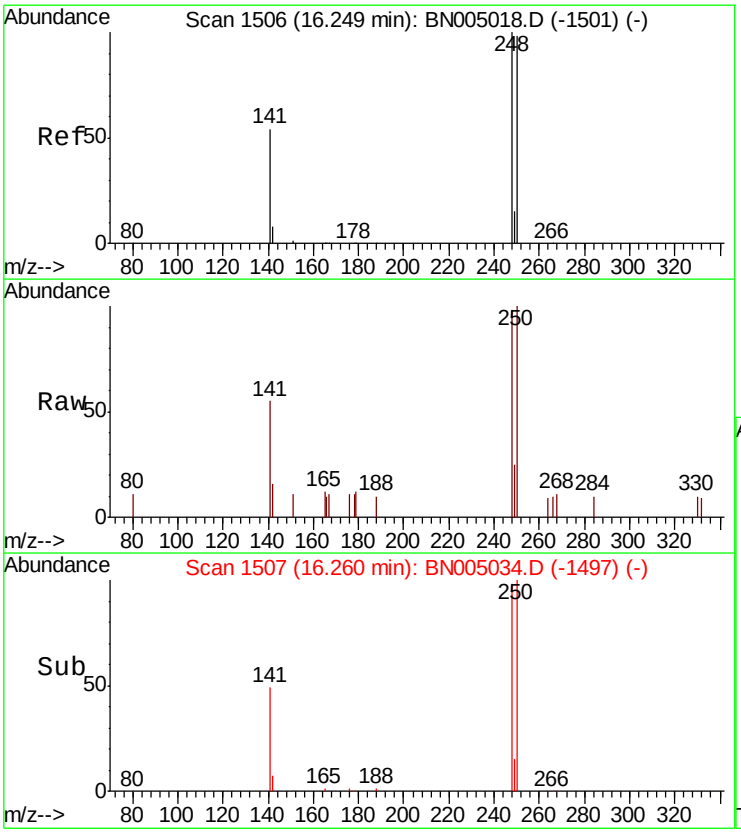
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:188 Resp: 16011

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.4	6.9	10.3

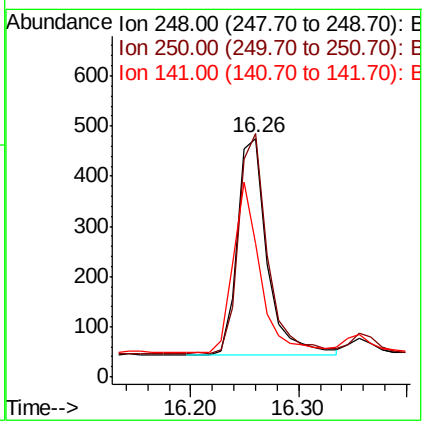


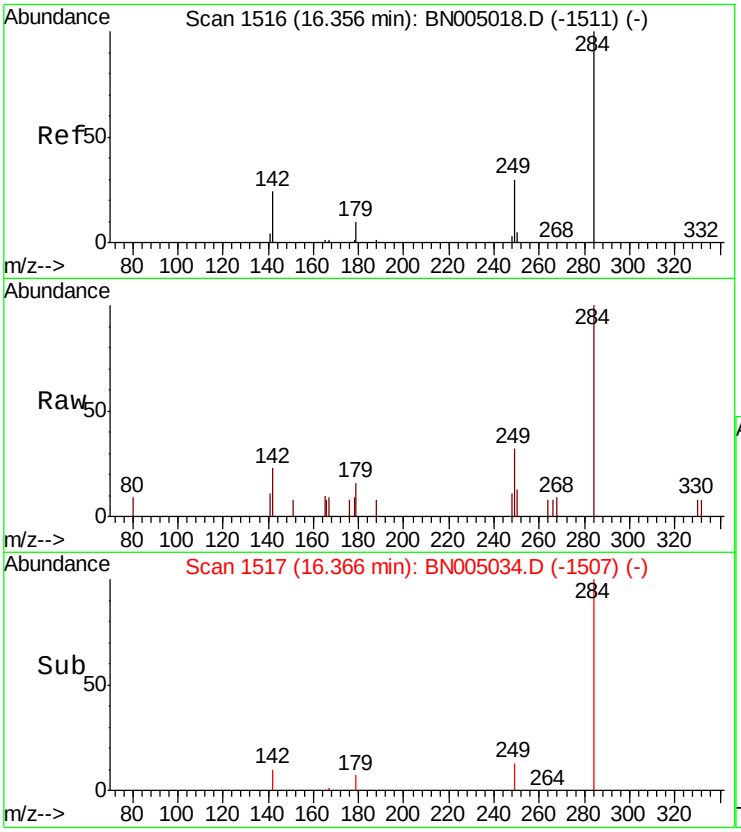


#20
4-Bromophenyl-phenylether
Concen: 0.089 ng
RT: 16.26 min Scan# 1507
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:248 Resp: 820

Ion	Ratio	Lower	Upper
248	100		
250	101.9	78.6	117.8
141	56.1	43.6	65.4



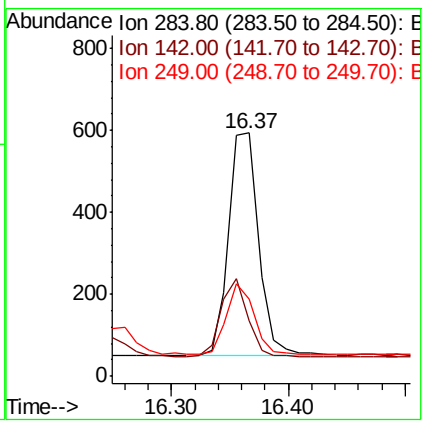


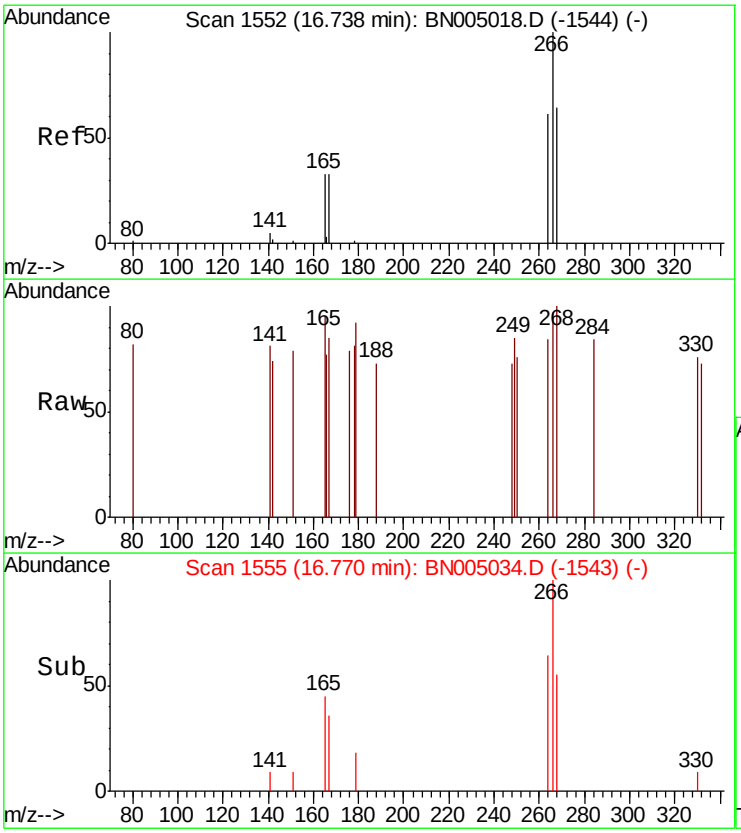
#21
Hexachlorobenzene
Concen: 0.095 ng
RT: 16.37 min Scan# 1517
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:284 Resp: 958

Ion	Ratio	Lower	Upper
284	100		
142	31.8	24.9	37.3
249	29.5	23.8	35.6

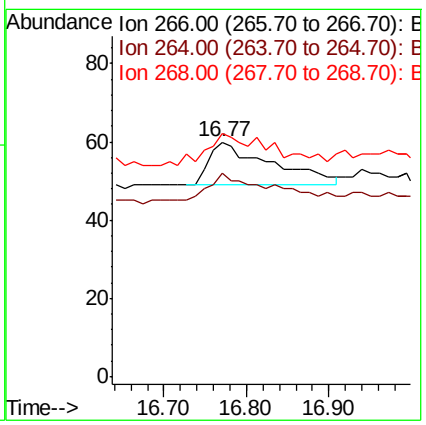


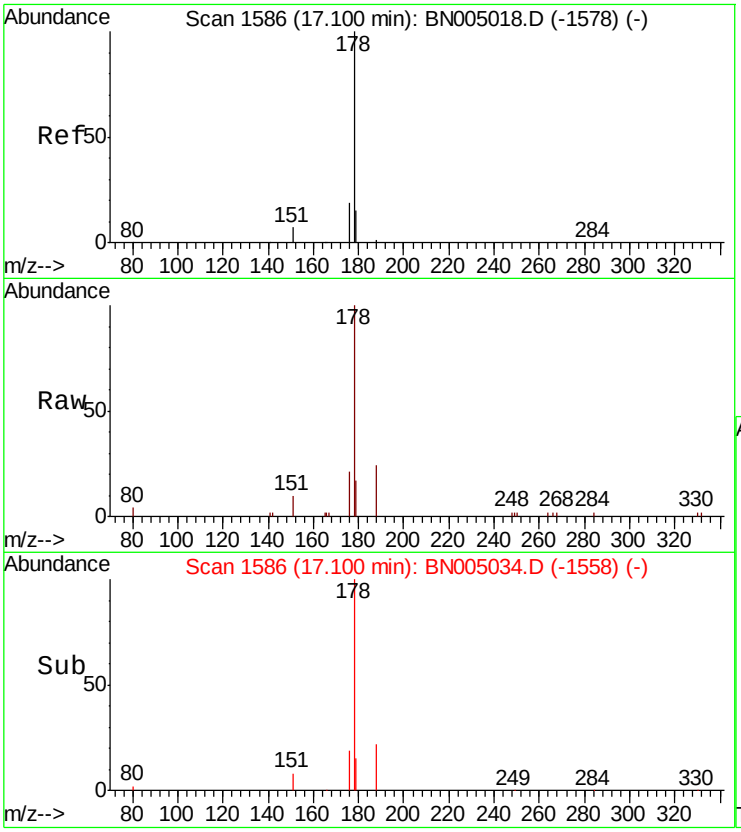


#22
Pentachlorophenol
Concen: 0.118 ng
RT: 16.77 min Scan# 1555
Delta R.T. 0.03 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:266 Resp: 57

Ion	Ratio	Lower	Upper
266	100		
264	86.7	53.4	80.0#
268	103.3	58.9	88.3#



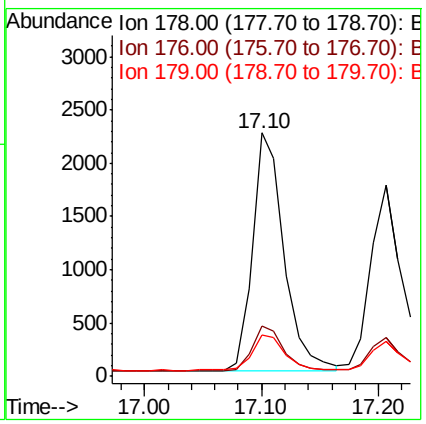


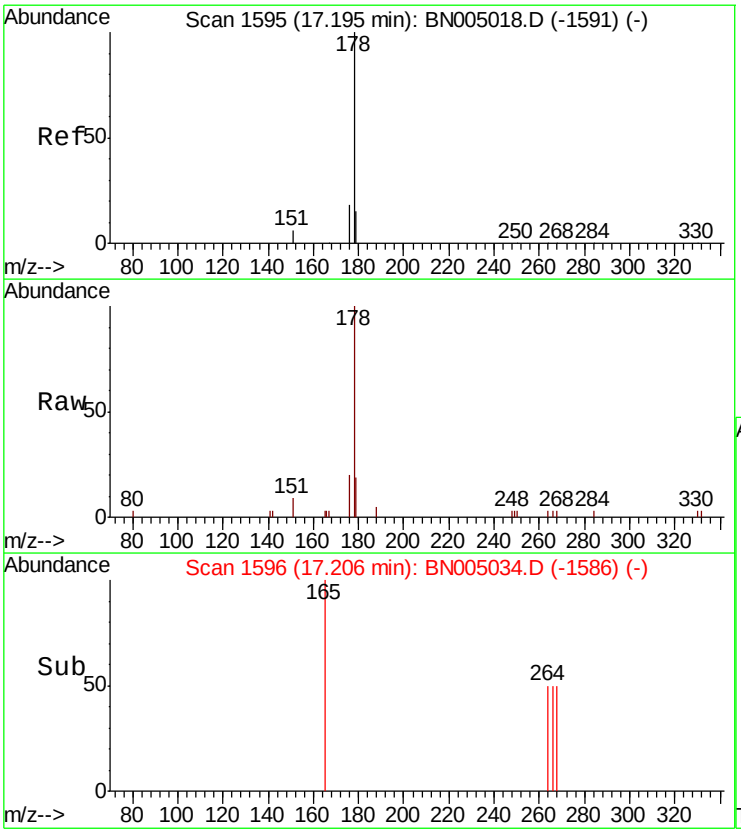
#23
Phenanthrene
Concen: 0.093 ng
RT: 17.10 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:178 Resp: 4180

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.5	12.2	18.2

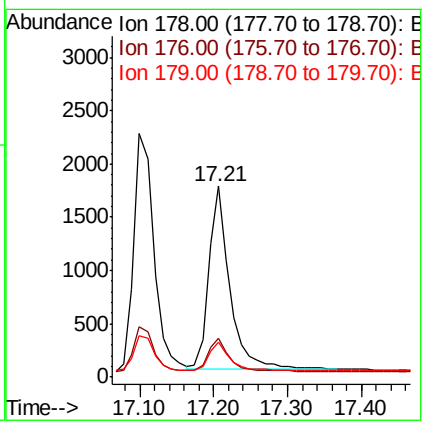


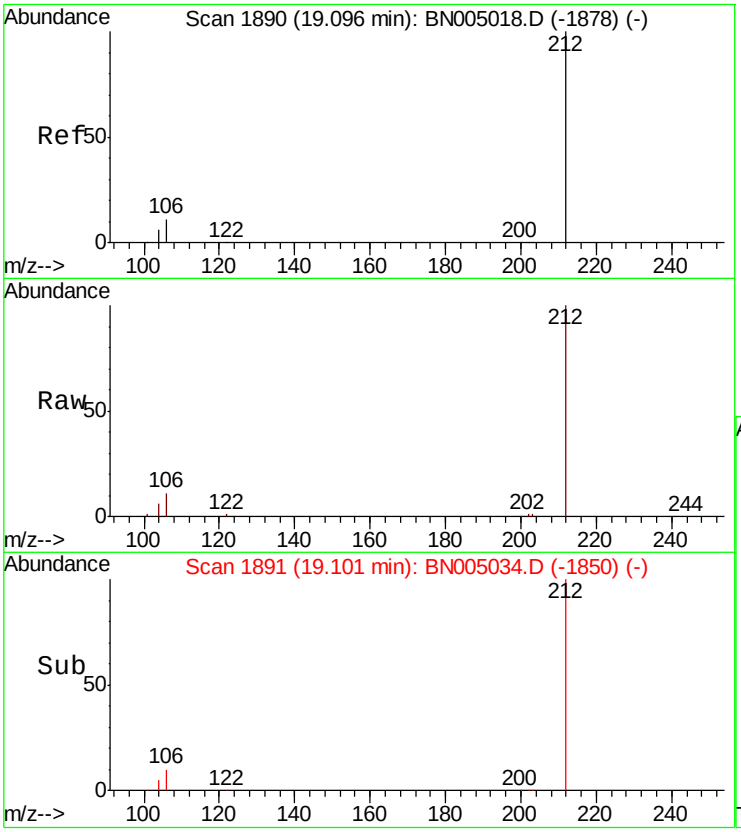


#24
Anthracene
Concen: 0.085 ng
RT: 17.21 min Scan# 1596
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:178 Resp: 3379

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.5	12.3	18.5



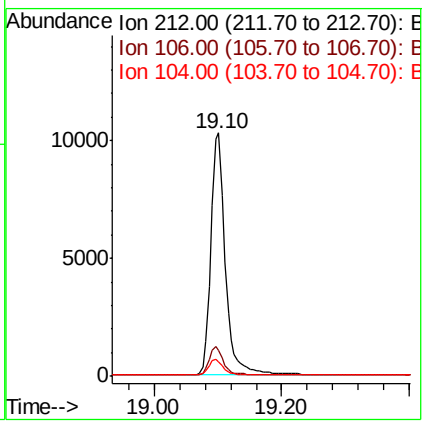


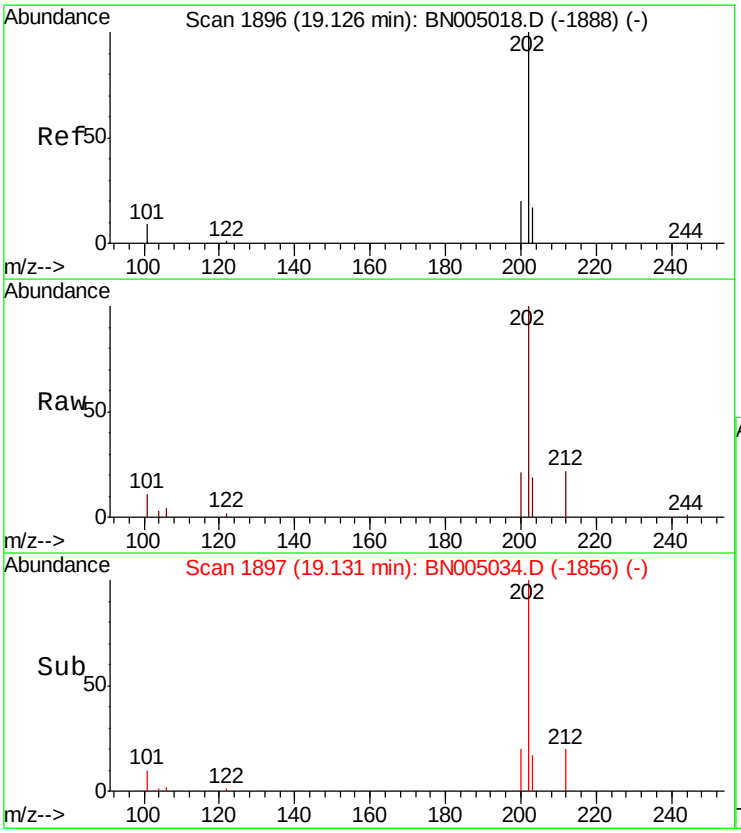
#25
Fluoranthene-d10
Concen: 0.358 ng
RT: 19.10 min Scan# 1891
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:212 Resp: 16371

Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.4	14.2
104	6.5	5.4	8.0

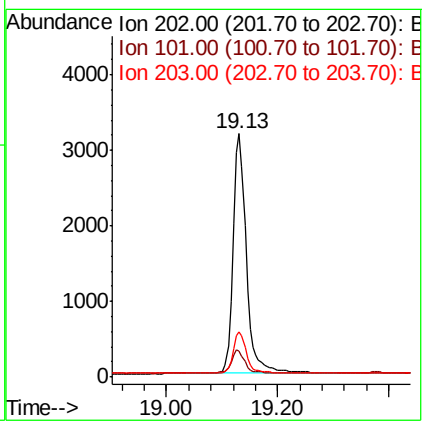


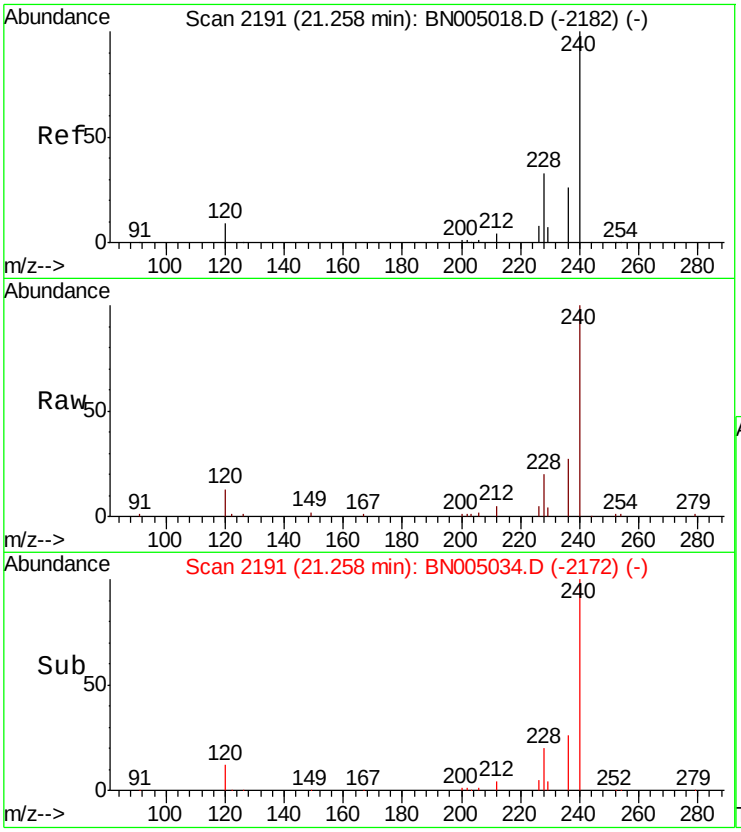


#26
Fluoranthene
Concen: 0.096 ng
RT: 19.13 min Scan# 1897
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:202 Resp: 5284

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.2	12.2
203	16.6	13.8	20.8



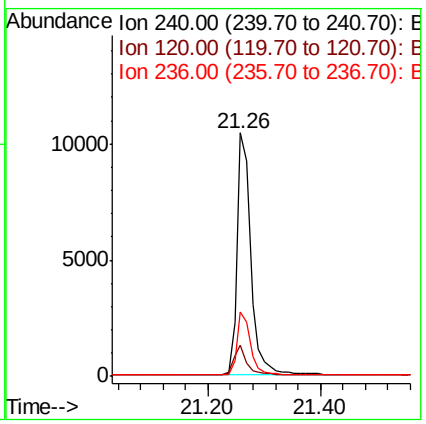


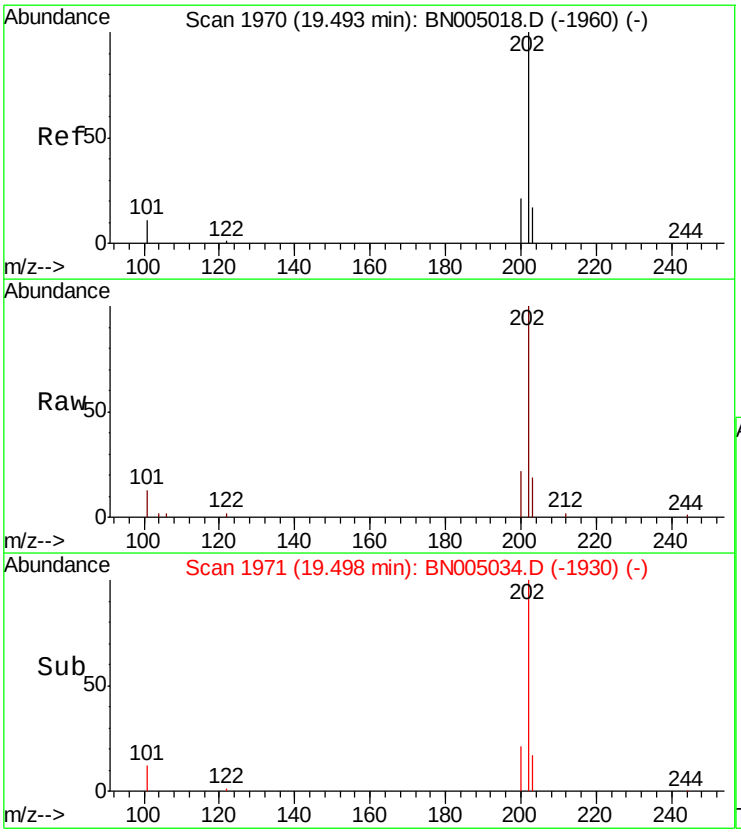
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:240 Resp: 17907

Ion	Ratio	Lower	Upper
240	100		
120	12.6	7.4	11.0#
236	26.6	21.0	31.6

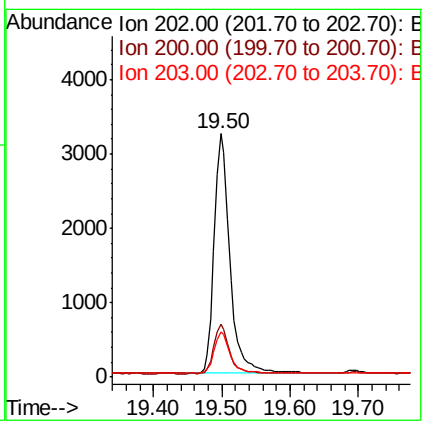


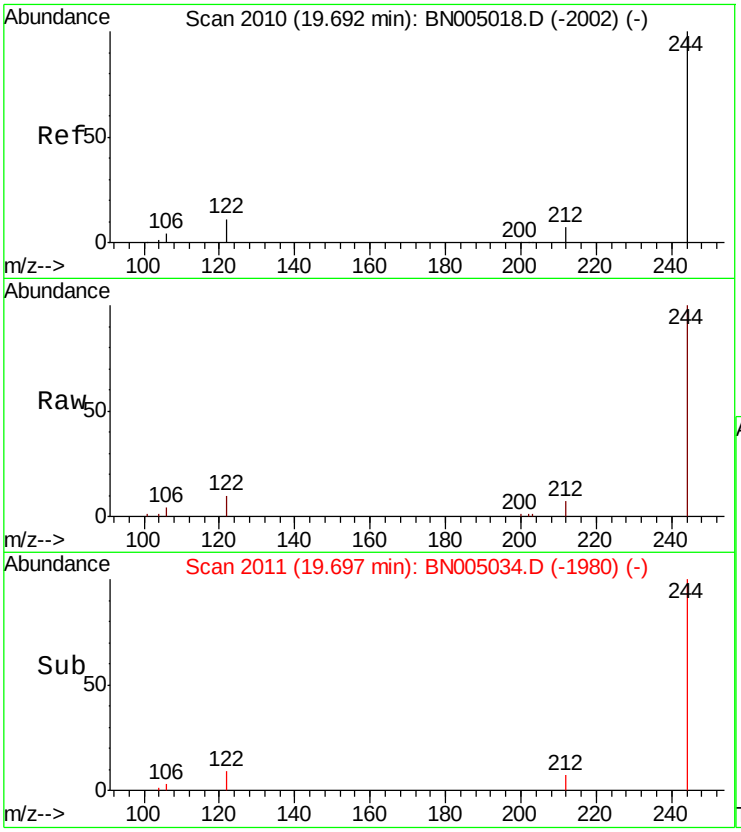


#28
Pyrene
Concen: 0.102 ng
RT: 19.50 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:202 Resp: 5164

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.5	24.7
203	17.7	13.9	20.9



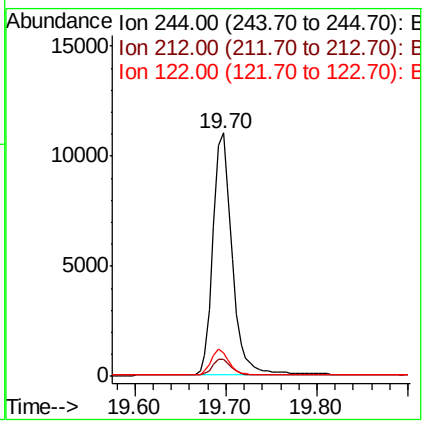


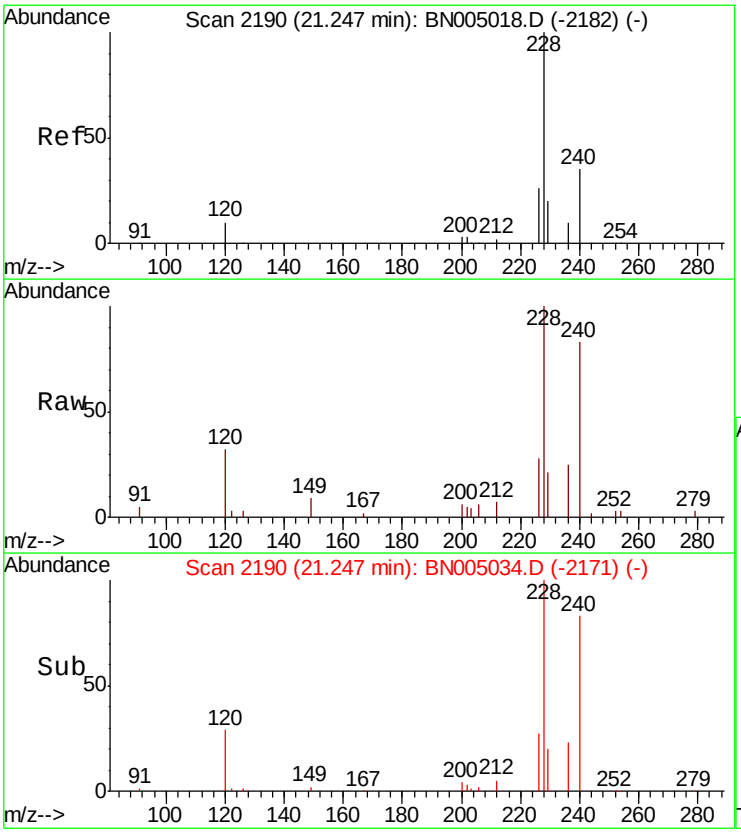
#29
Terphenyl-d14
Concen: 0.436 ng
RT: 19.70 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:244 Resp: 16041

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.9	9.0	13.4

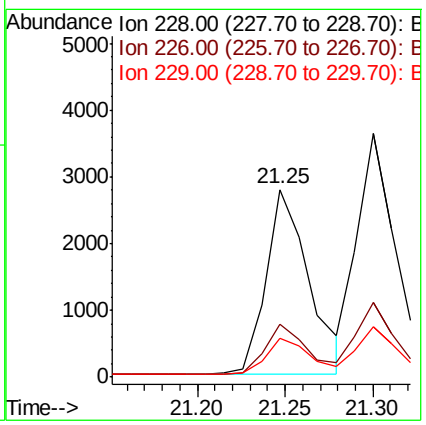


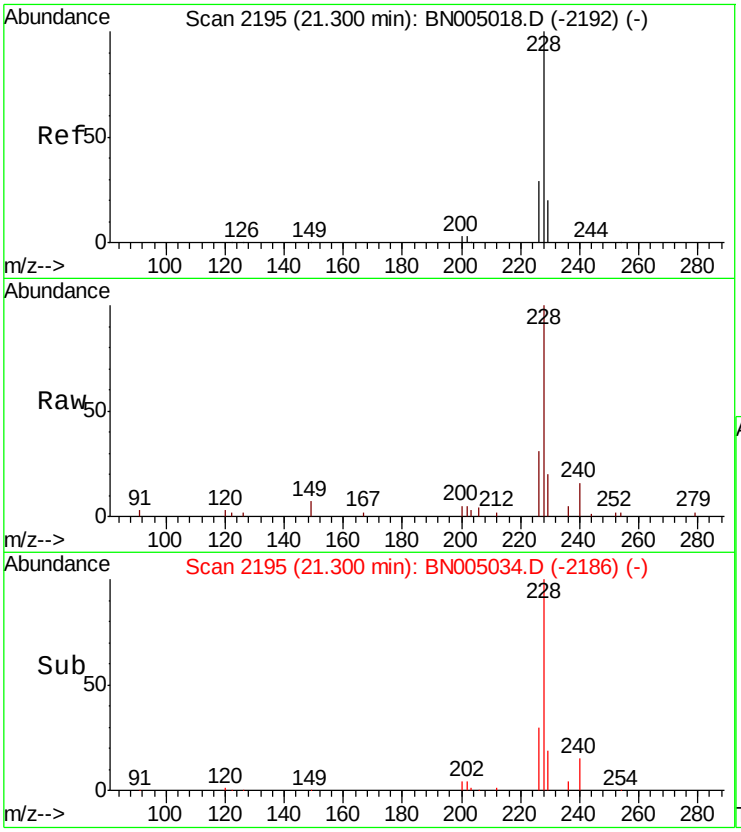


#30
Benzo(a)anthracene
Concen: 0.093 ng
RT: 21.25 min Scan# 2190
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:228 Resp: 4702

Ion	Ratio	Lower	Upper
228	100		
226	28.4	20.9	31.3
229	21.0	16.2	24.2



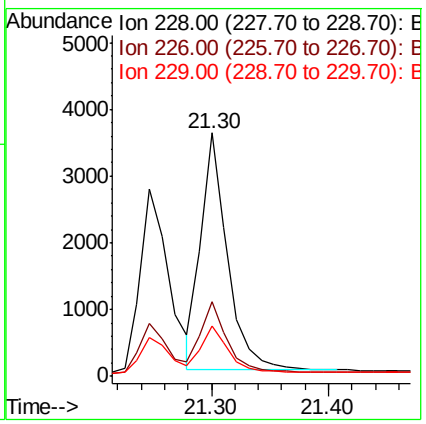


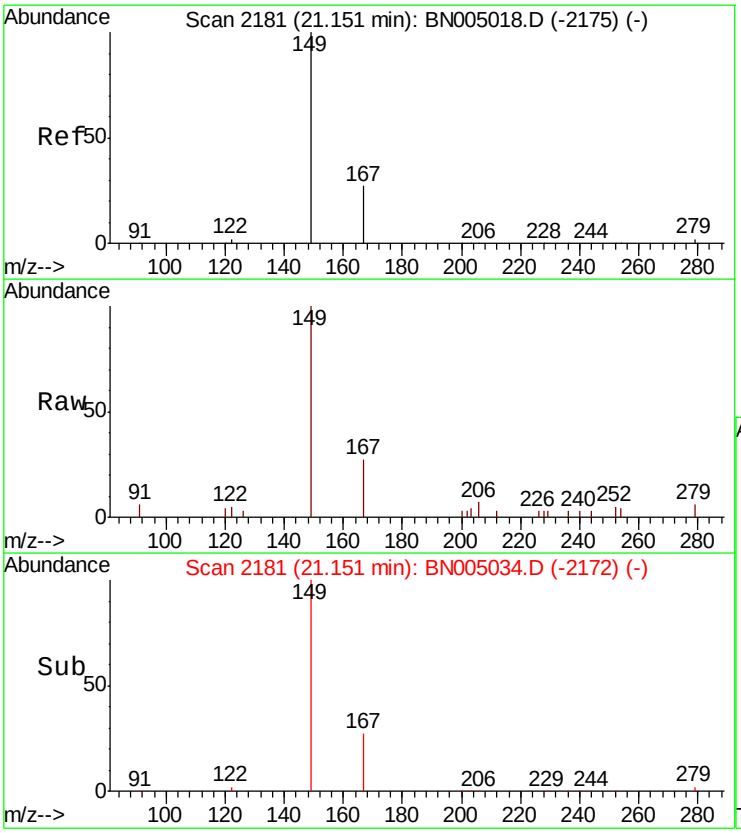
#31
Chrysene
Concen: 0.104 ng
RT: 21.30 min Scan# 2195
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:228 Resp: 5641

Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.8	34.2
229	20.4	16.2	24.4

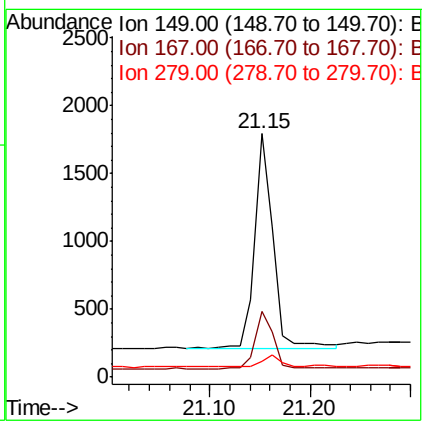


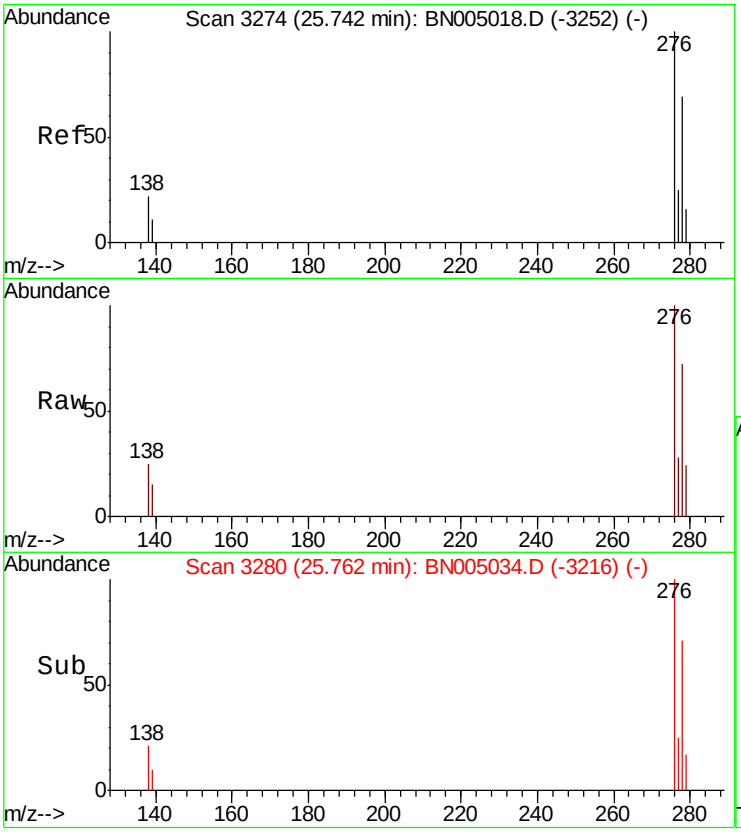


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.094 ng
RT: 21.15 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:149 Resp: 1996

Ion	Ratio	Lower	Upper
149	100		
167	26.4	22.2	33.4
279	5.7	4.2	6.4



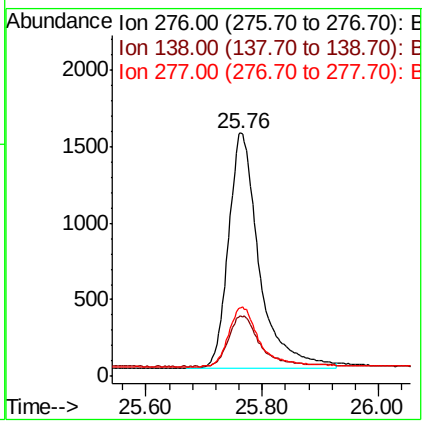


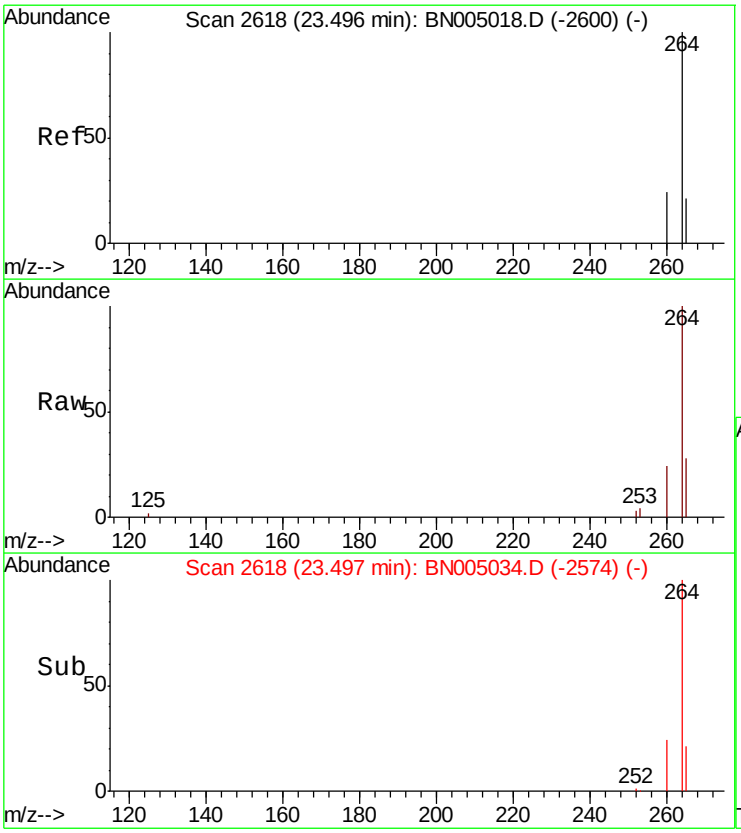
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.093 ng
RT: 25.76 min Scan# 3280
Delta R.T. 0.02 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:276 Resp: 5684

Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.2	27.2
277	24.7	20.3	30.5

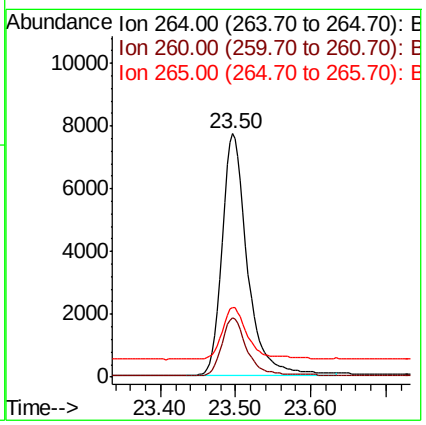


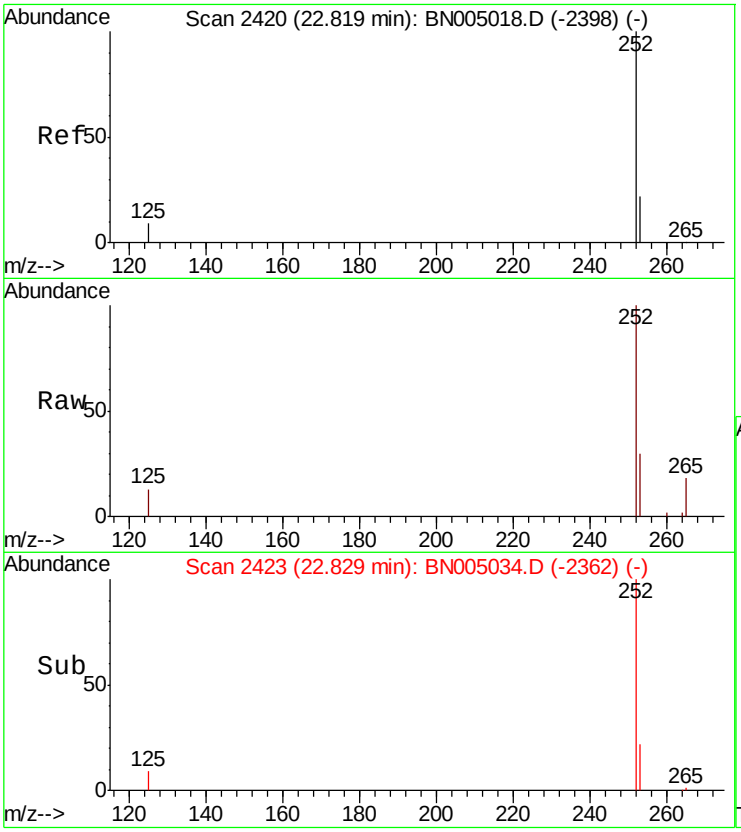


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2618
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:264 Resp: 17704

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	28.5	22.5	33.7



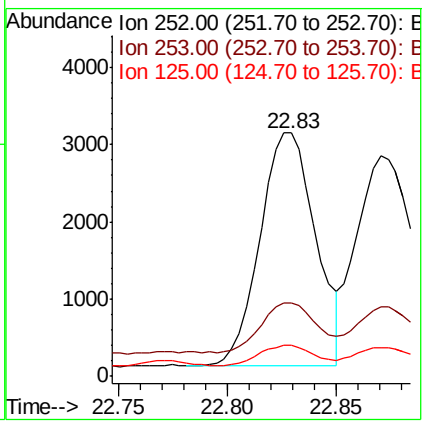


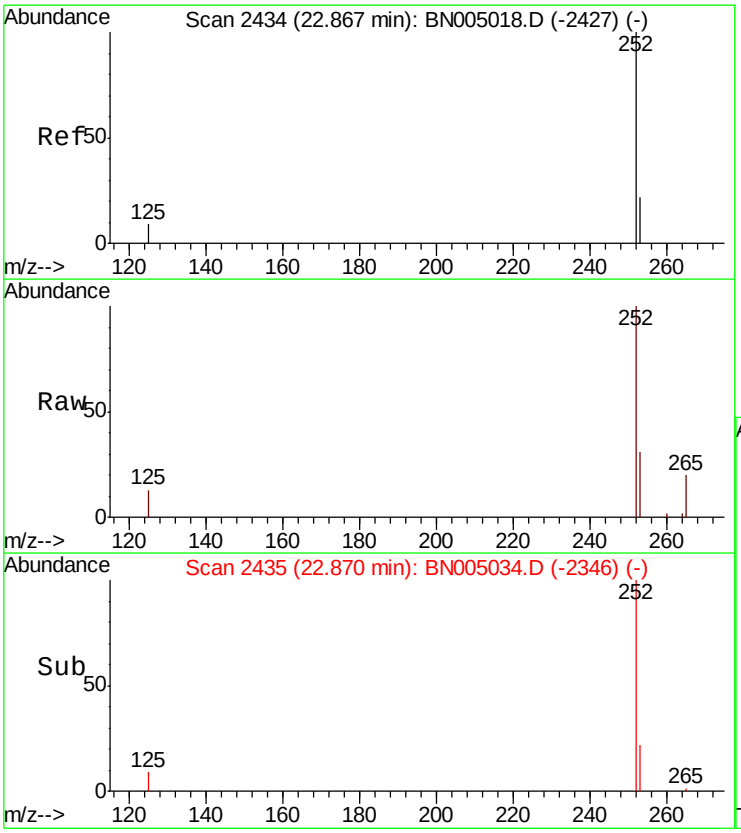
#35
Benzo(b)fluoranthene
Concen: 0.094 ng
RT: 22.83 min Scan# 2423
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:252 Resp: 5355

Ion	Ratio	Lower	Upper
252	100		
253	30.4	19.2	28.8#
125	12.7	8.2	12.2#

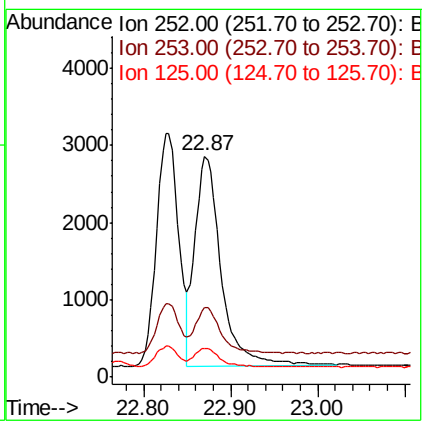


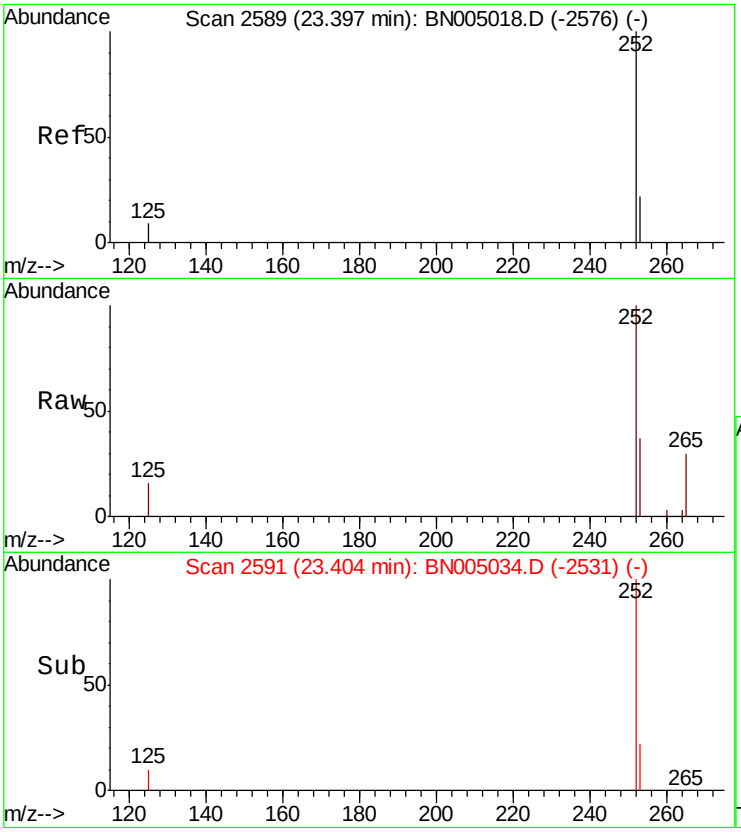


#36
Benzo(k)fluoranthene
Concen: 0.103 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:252 Resp: 5640

Ion	Ratio	Lower	Upper
252	100		
253	31.3	19.3	28.9#
125	13.1	8.2	12.2#



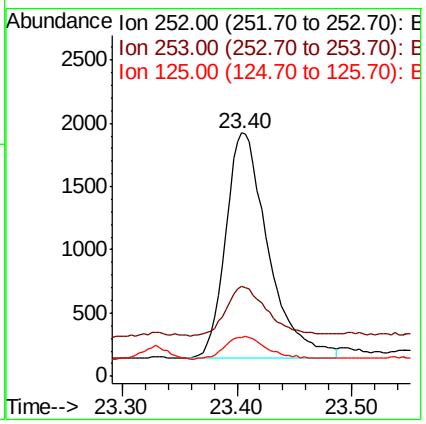


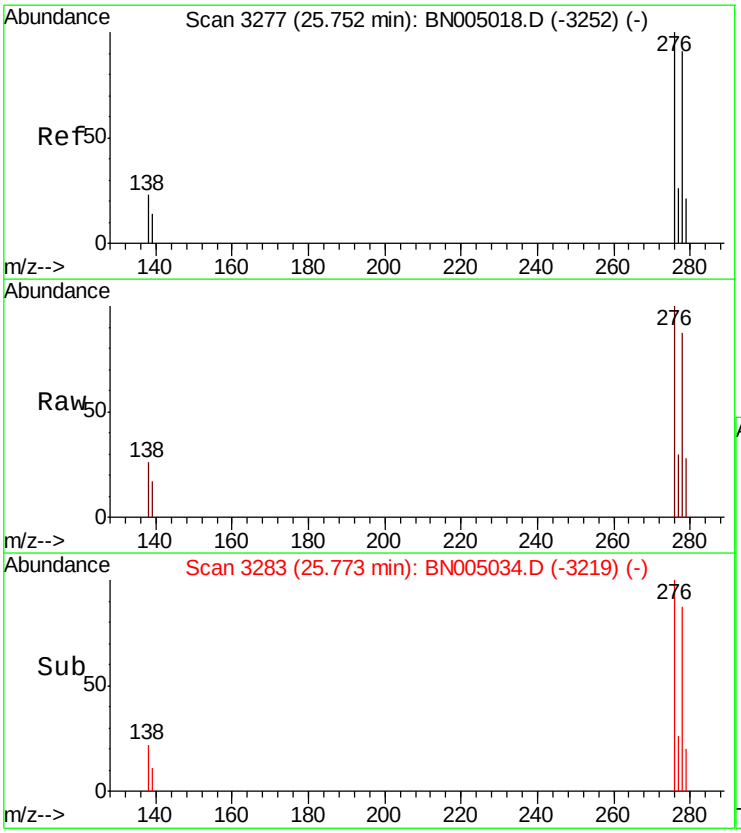
#37
Benzo(a)pyrene
Concen: 0.091 ng
RT: 23.40 min Scan# 2591
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:252 Resp: 4584

Ion	Ratio	Lower	Upper
252	100		
253	36.8	20.2	30.2#
125	16.2	9.2	13.8#

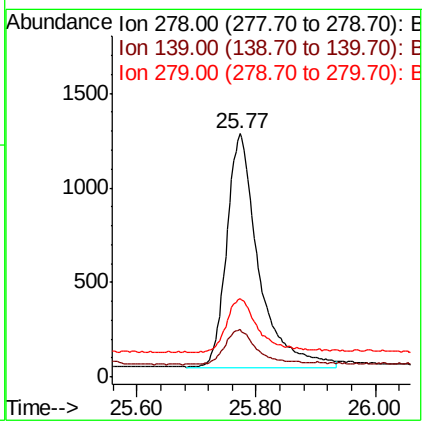


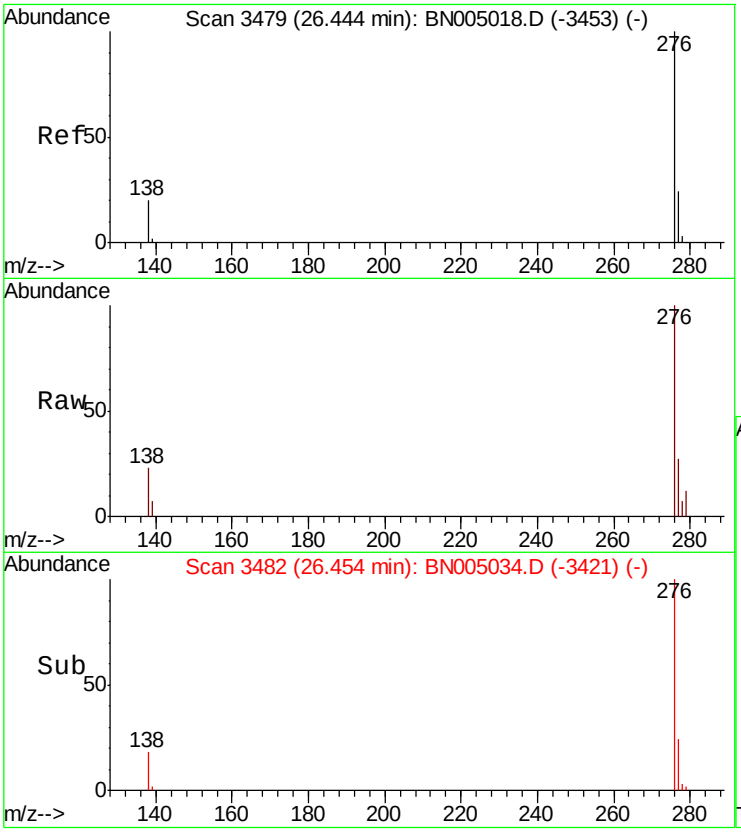


#38
Dibenzo(a,h)anthracene
Concen: 0.090 ng
RT: 25.77 min Scan# 3283
Delta R.T. 0.02 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:278 Resp: 4565

Ion	Ratio	Lower	Upper
278	100		
139	19.4	13.1	19.7
279	32.3	20.2	30.2#





#39
Benzo(g,h,i)perylene
Concen: 0.098 ng
RT: 26.45 min Scan# 3482
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:276 Resp: 4993

Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.8	29.6
138	22.5	16.4	24.6