Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101717\
Data File : BE094431.D
Acq On : 17 Oct 2017 15:51
Operator : SJ/JU
Sample : I5275-01
Misc : LOD 0.1 PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOD-SOIL-01-QT4-2017

Quant Time: Oct 17 20:18:11 2017
Quant Method : Z:\HPCHEM1\BNA_E\Methods\8270-SIM-BE101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 14:54:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1171	0.40	ng		0.00
7) Naphthalene-d8	10.71	136	6127	0.40	ng		0.00
13) Acenaphthene-d10	14.52	164	3793	0.40	ng		0.00
19) Phenanthrene-d10	17.27	188	7238	0.40	ng		0.00
27) Chrysene-d12	21.43	240	9406	0.40	ng		0.00
34) Perylene-d12	23.96	264	8923	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.53	112	1472	0.37	ng		0.01
5) Phenol-d6	7.13	99	2037	0.33	ng		0.00
8) Nitrobenzene-d5	9.08	82	2010	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	12.30	152	3851	0.41	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	415	0.29	ng		0.00
15) 2-Fluorobiphenyl	13.16	172	5299	0.39	ng		0.02
25) Fluoranthene-d10	19.29	212	42002	0.36	ng		0.00
29) Terphenyl-d14	19.87	244	6972	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	381	0.141	ng	#	66
3) n-Nitrosodimethylamine	3.76	42	176	0.087	ng	#	72
6) bis(2-Chloroethyl)ether	7.34	93	441	0.097	ng		97
9) Naphthalene	10.76	128	7985	0.117	ng	#	97
10) Hexachlorobutadiene	11.01	225	326	0.119	ng		95
12) 2-Methylnaphthalene	12.37	142	1305	0.116	ng		95
16) Acenaphthylene	14.24	152	2282	0.111	ng		99
17) Acenaphthene	14.58	154	1486	0.115	ng		99
18) Fluorene	15.58	166	1880	0.113	ng		98
20) 4-Bromophenyl-phenylether	16.45	248	469	0.130	ng	#	71
21) Hexachlorobenzene	16.58	284	671	0.115	ng	#	61
22) Pentachlorophenol	17.04	266	31	0.197	ng		94
23) Phenanthrene	17.30	178	3448	0.121	ng		97
24) Anthracene	17.40	178	2257	0.103	ng		97
26) Fluoranthene	19.31	202	3687	0.104	ng		99
28) Pyrene	19.67	202	3877	0.109	ng		98
30) Benzo(a)anthracene	21.41	228	3626	0.111	ng	#	71
31) Chrysene	21.46	228	3740	0.119	ng	#	74
32) Bis(2-ethylhexyl)phthalate	21.29	149	10824	0.116	ng		100
33) Indeno(1,2,3-cd)pyrene	26.65	276	3529	0.112	ng		97
35) Benzo(b)fluoranthene	23.18	252	3509	0.116	ng	#	58
36) Benzo(k)fluoranthene	23.23	252	3452	0.116	ng	#	58
37) Benzo(a)pyrene	23.84	252	3206	0.113	ng	#	55
38) Dibenzo(a,h)anthracene	26.66	278	3002	0.111	ng	#	66
39) Benzo(g,h,i)perylene	27.48	276	2938	0.113	ng	#	71

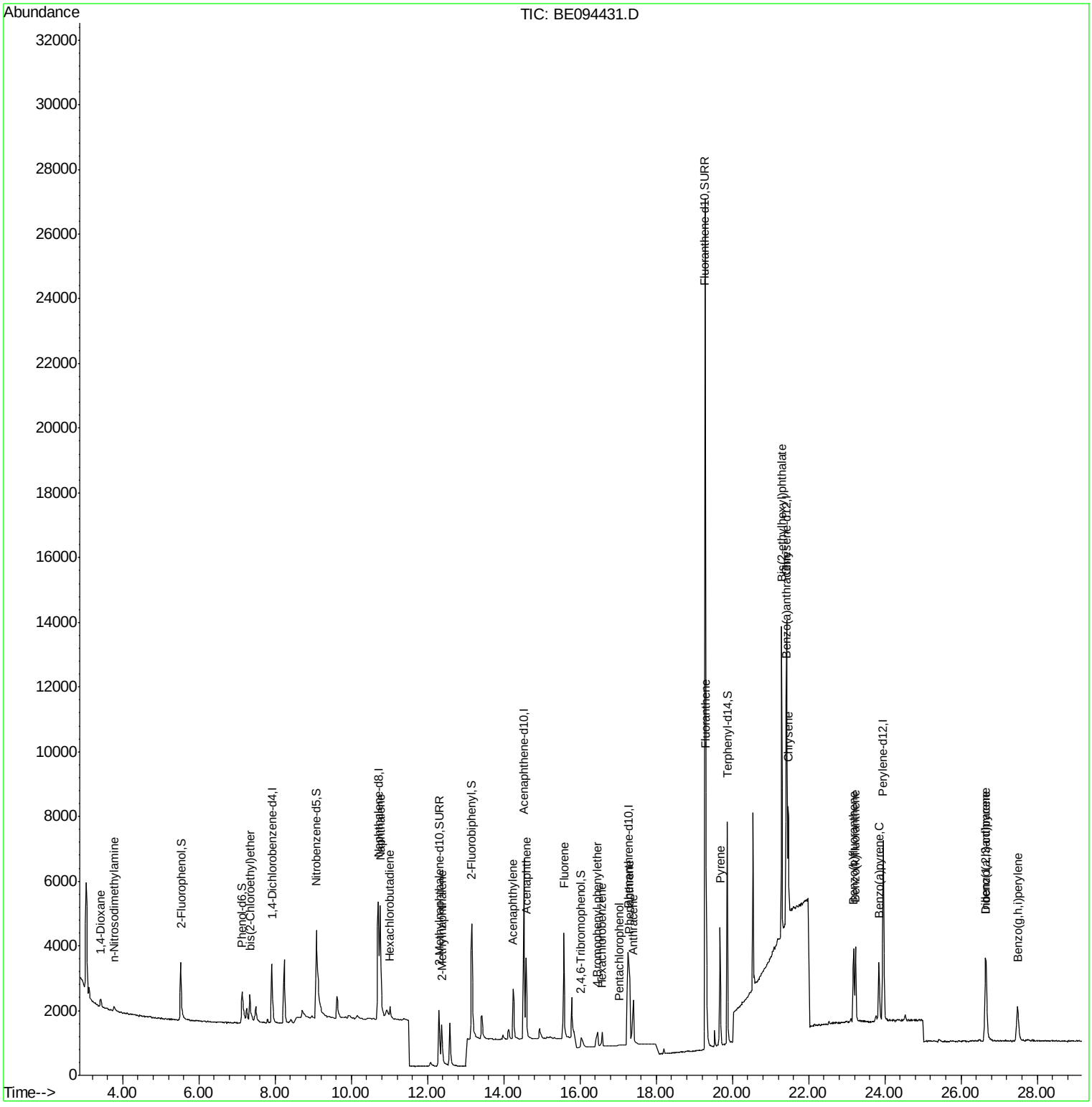
(#) = qualifier out of range (m) = manual integration (+) = signals summed

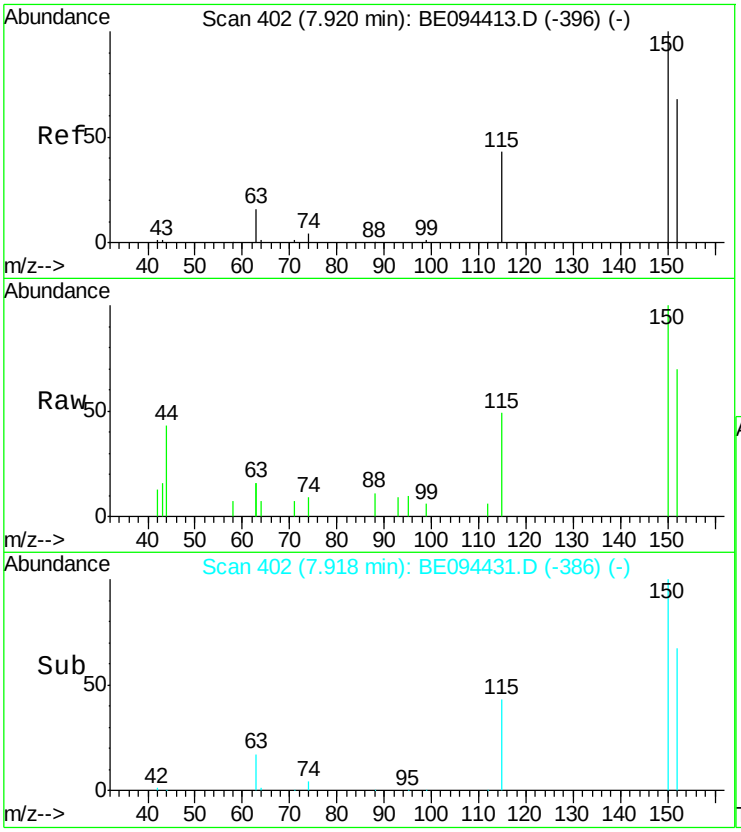
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101717\
Data File : BE094431.D
Acq On : 17 Oct 2017 15:51
Operator : SJ/JU
Sample : I5275-01
Misc : LOD 0.1 PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Quant Time: Oct 17 20:18:11 2017
Quant Method : Z:\HPCHEM1\BNA_E\Methods\8270-SIM-BE101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 14:54:40 2017
Response via : Initial Calibration



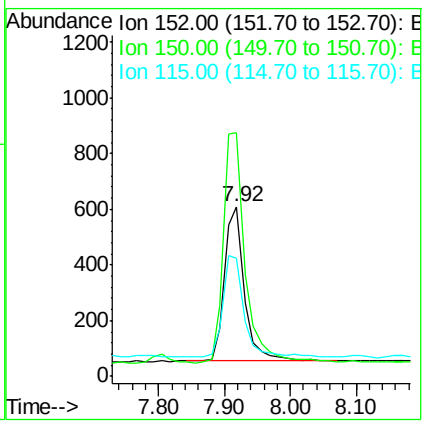


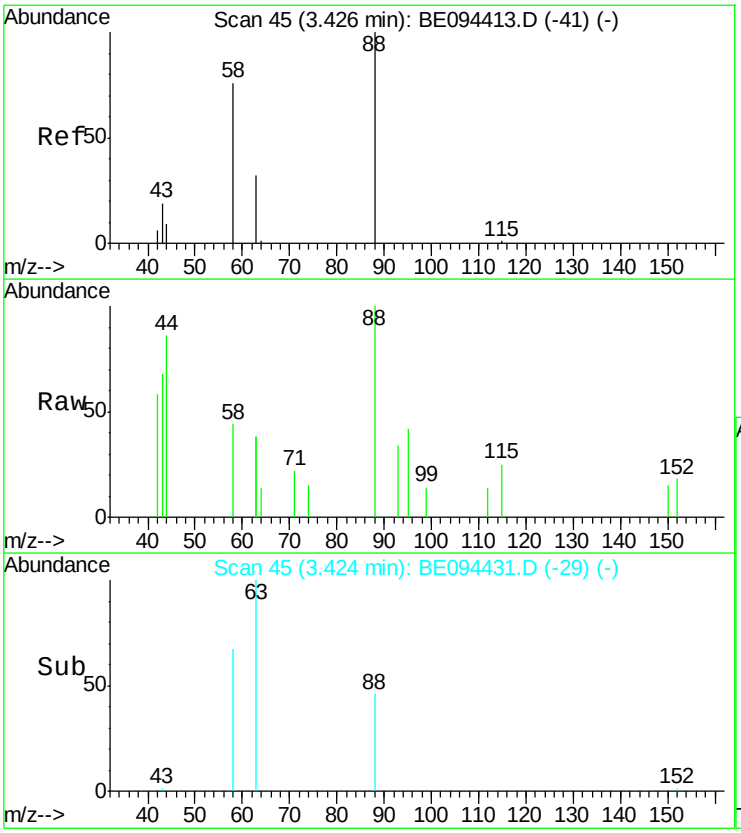
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:152 Resp: 1171

Ion	Ratio	Lower	Upper
152	100		
150	143.5	117.2	175.8
115	69.8	57.0	85.6

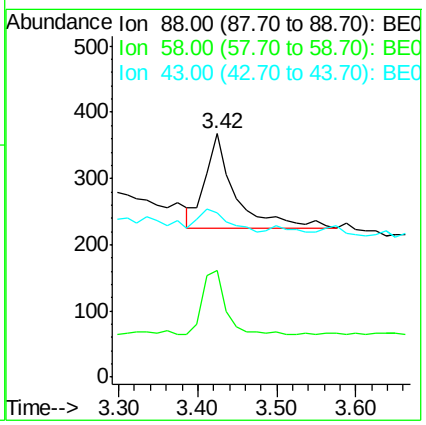


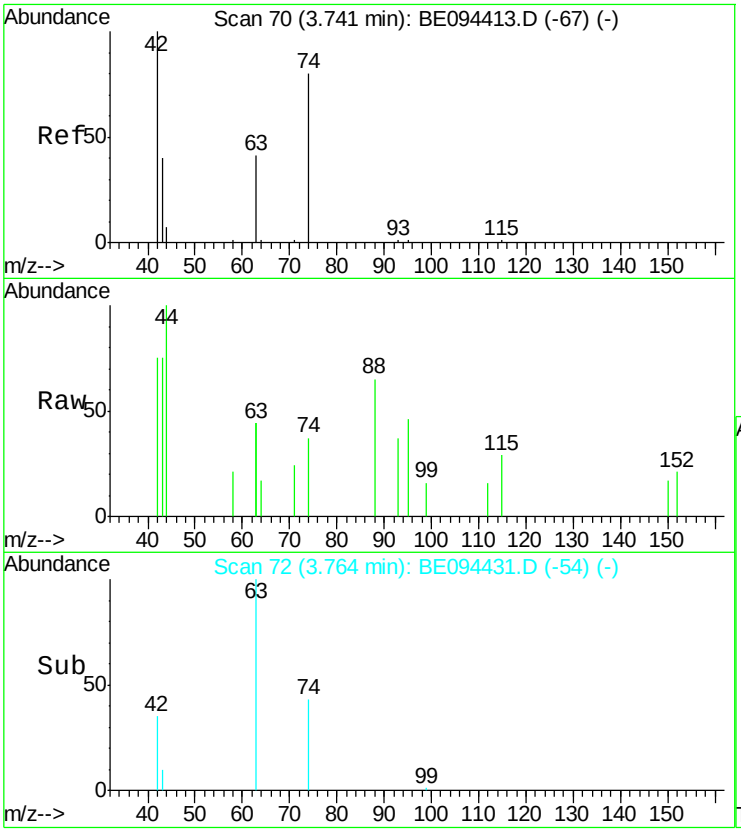


#2
1,4-Dioxane
Concen: 0.141 ng
RT: 3.42 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion: 88 Resp: 381

Ion	Ratio	Lower	Upper
88	100		
58	53.3	63.2	94.8#
43	23.4	41.2	61.8#



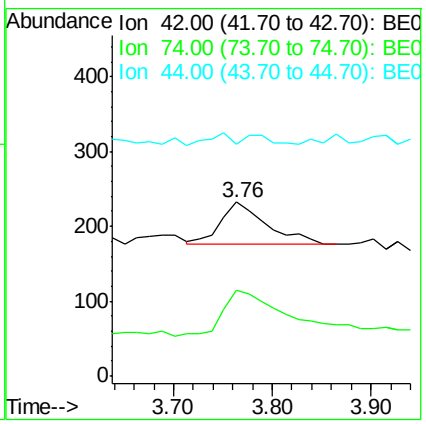


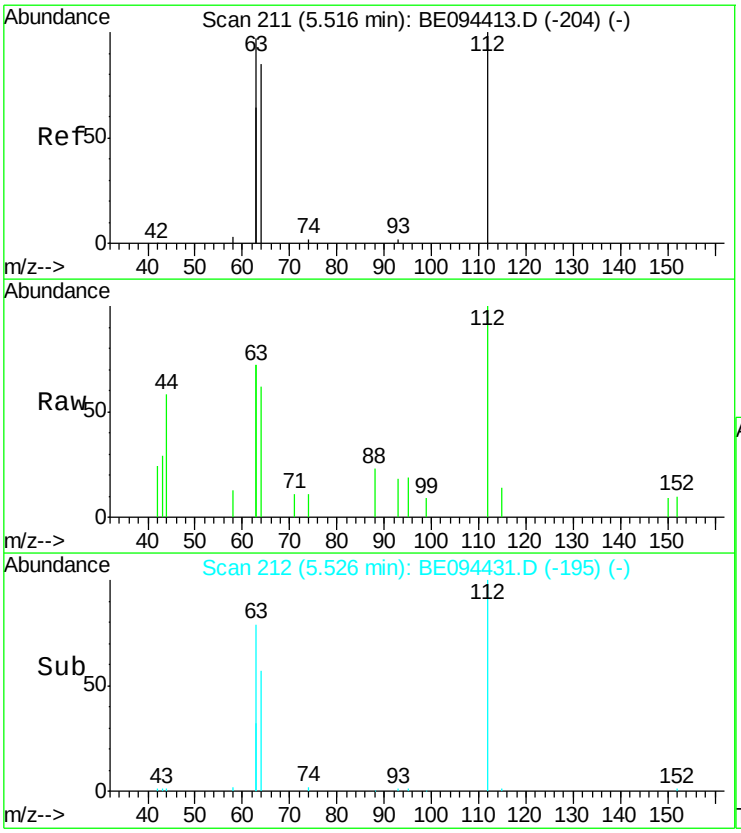
#3
n-Nitrosodimethylamine
Concen: 0.087 ng
RT: 3.76 min Scan# 72
Delta R.T. 0.02 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion: 42 Resp: 176

Ion	Ratio	Lower	Upper
42	100		
74	159.1	100.3	150.5#
44	13.1	17.0	25.4#

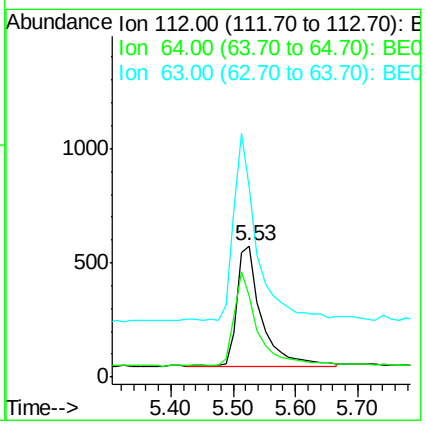


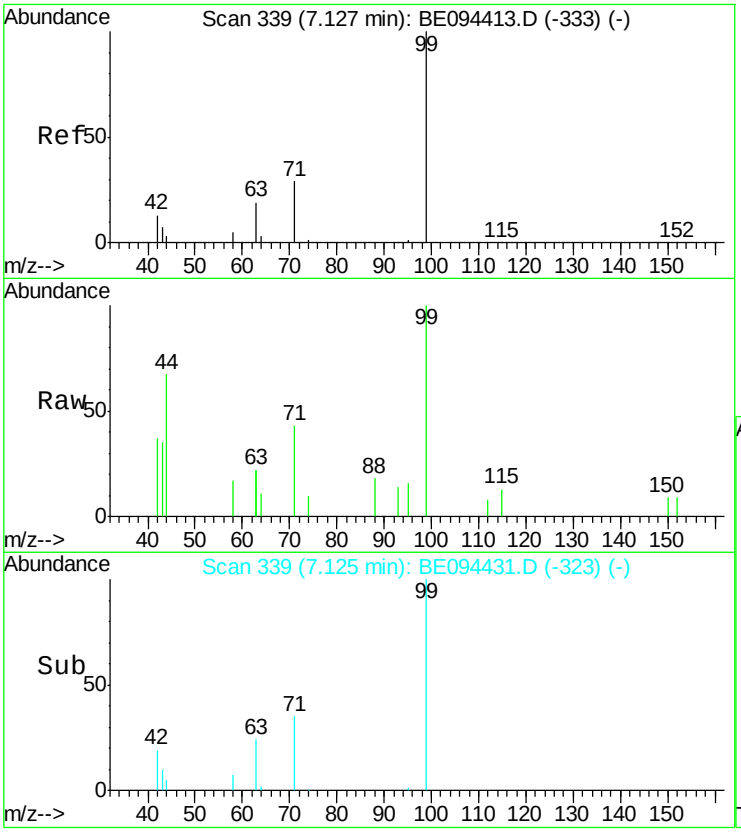


#4
2-Fluorophenol
Concen: 0.372 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.01 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:112 Resp: 1472

Ion	Ratio	Lower	Upper
112	100		
64	73.0	60.1	90.1
63	144.2	116.8	175.2



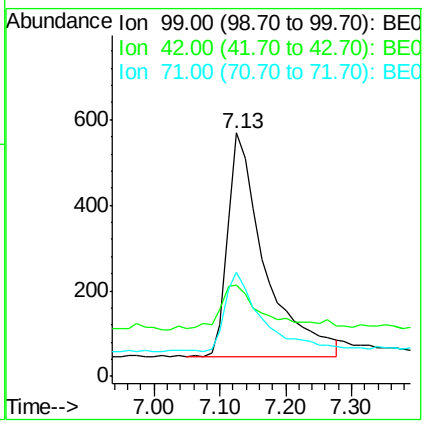


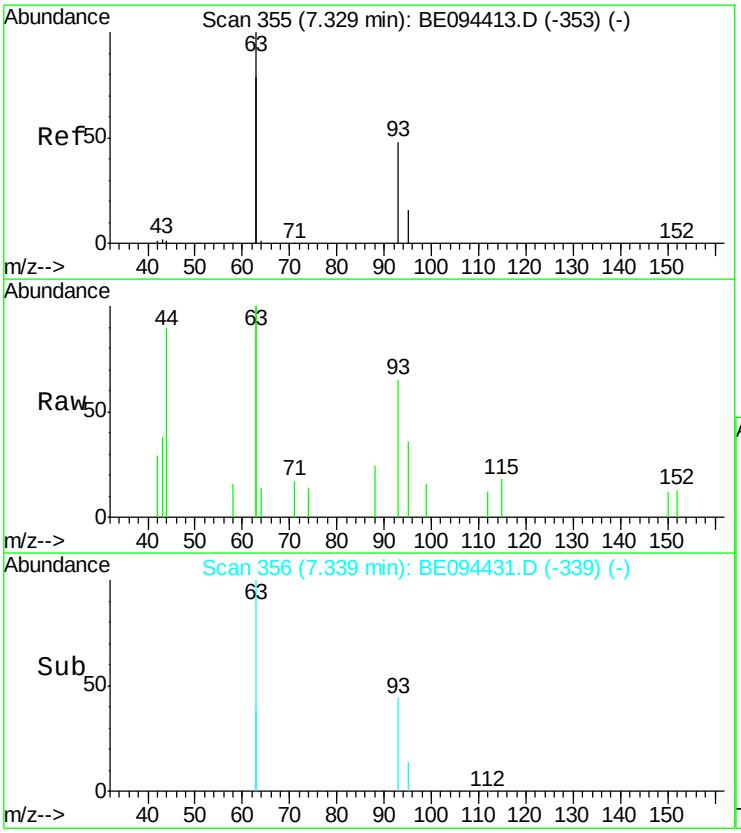
#5
Phenol-d6
Concen: 0.330 ng
RT: 7.13 min Scan# 339
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion: 99 Resp: 2037

Ion	Ratio	Lower	Upper
99	100		
42	24.6	20.2	30.2
71	35.2	28.4	42.6

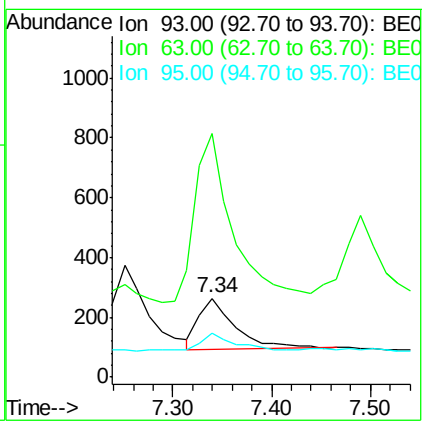


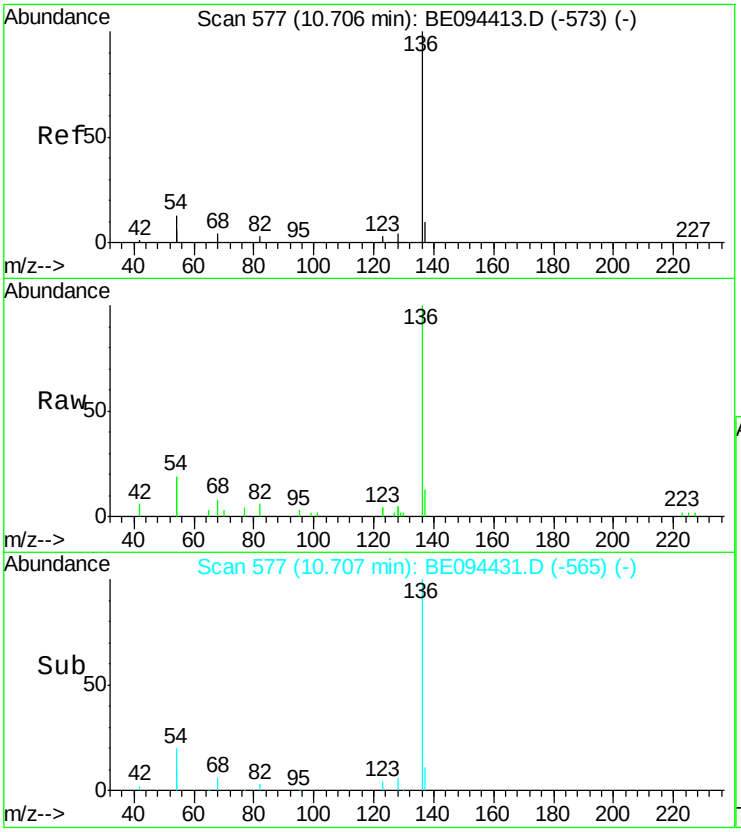


#6
bis(2-Chloroethyl)ether
Concen: 0.097 ng
RT: 7.34 min Scan# 356
Delta R.T. 0.01 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion: 93 Resp: 441

Ion	Ratio	Lower	Upper
93	100		
63	349.4	275.3	412.9
95	34.0	25.2	37.8



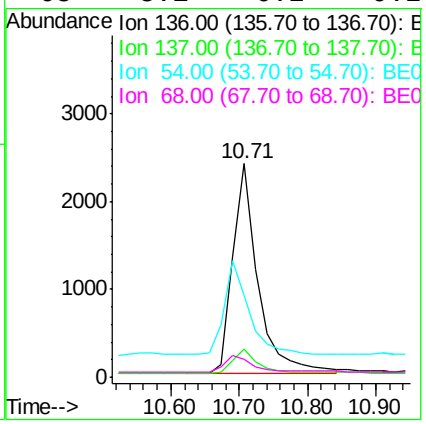


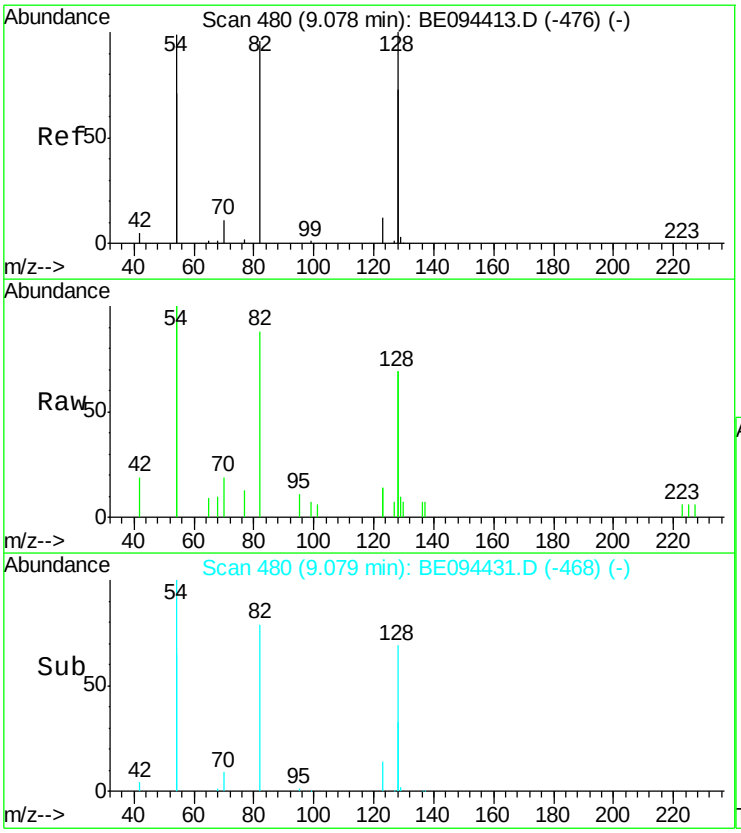
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.71 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:136 Resp: 6127

Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.5	14.3
54	38.6	29.1	43.7
68	8.1	6.2	9.2

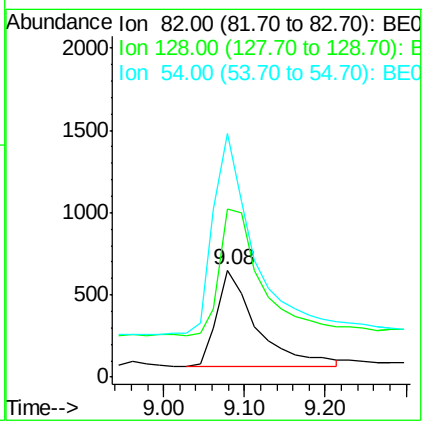


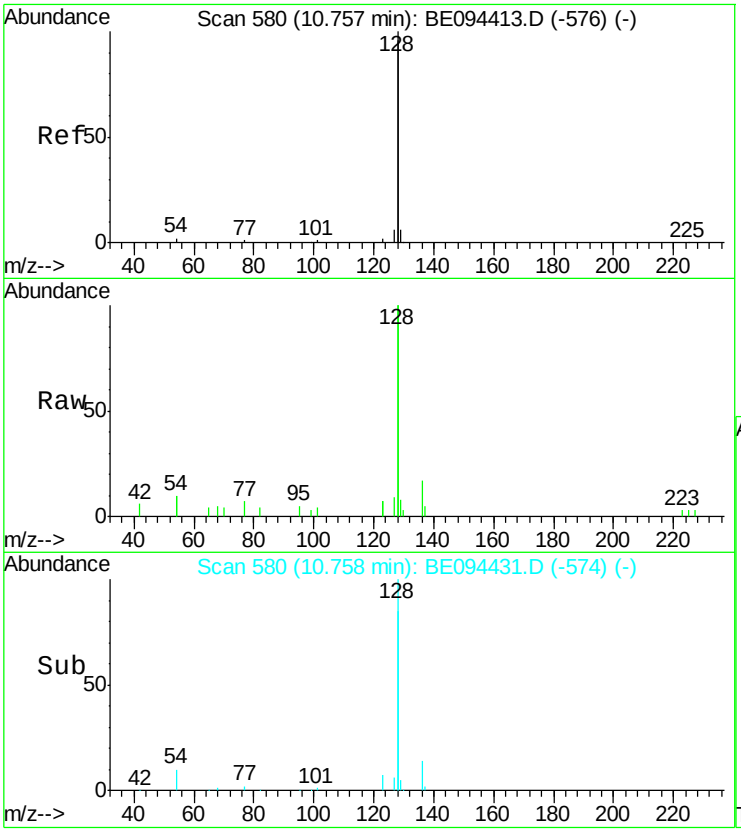


#8
Nitrobenzene-d5
Concen: 0.378 ng
RT: 9.08 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion: 82 Resp: 2010

Ion	Ratio	Lower	Upper
82	100		
128	157.2	150.0	225.0
54	228.0	154.2	231.4



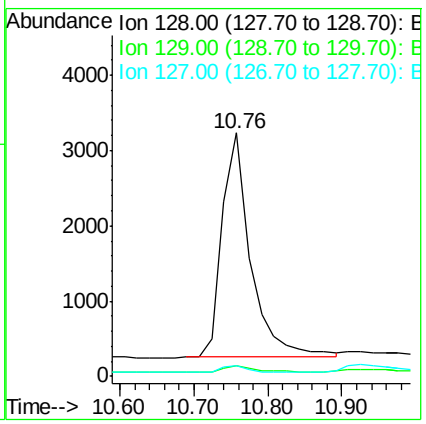


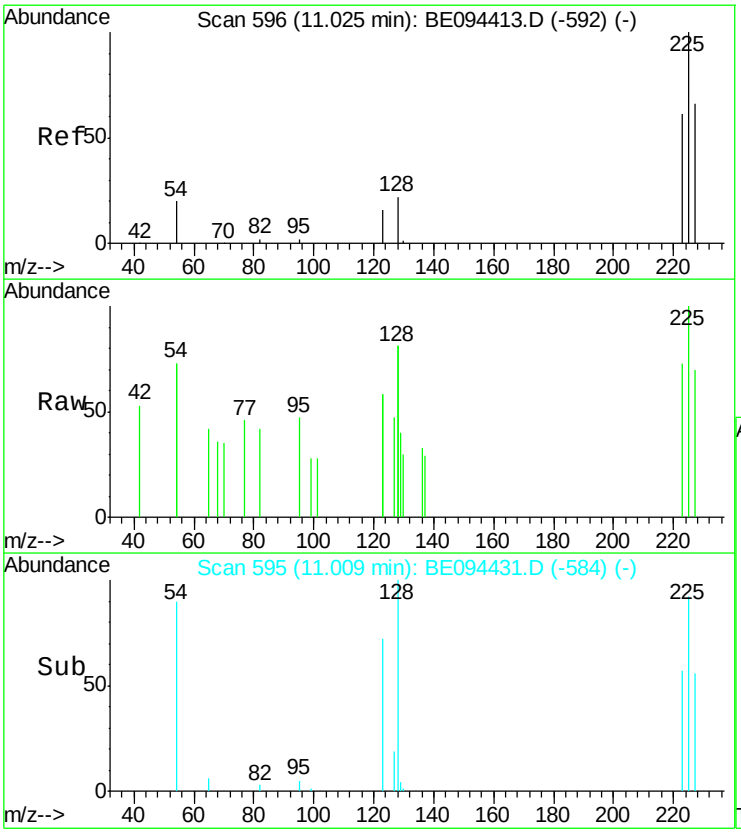
#9
Naphthalene
Concen: 0.117 ng
RT: 10.76 min Scan# 580
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:128 Resp: 7985

Ion	Ratio	Lower	Upper
128	100		
129	4.1	2.6	3.8#
127	4.4	2.8	4.2#

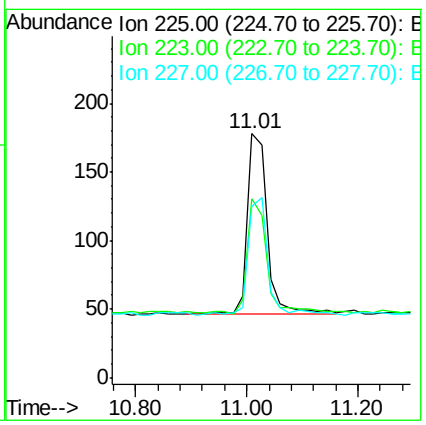


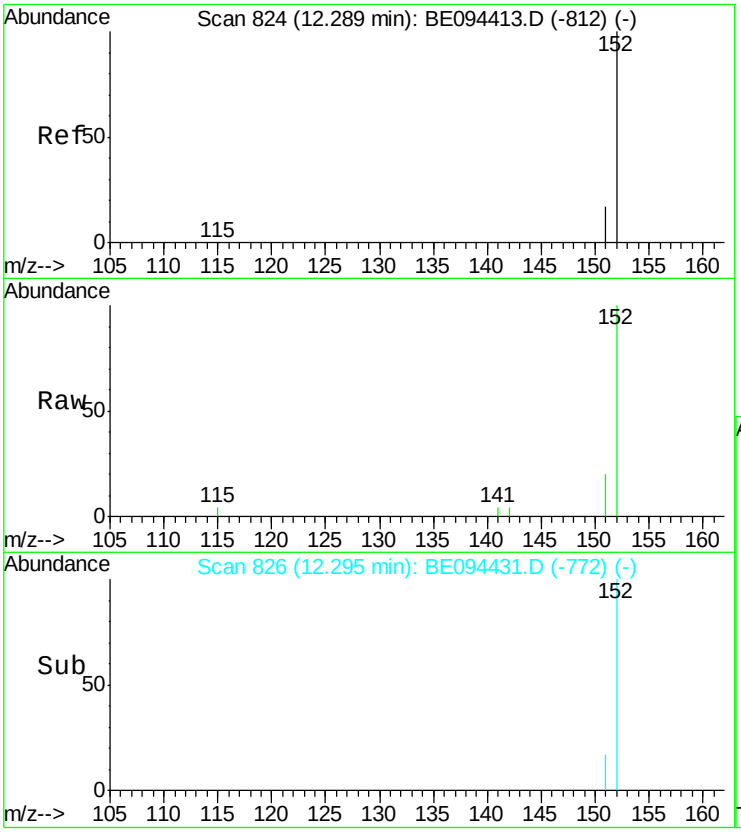


#10
Hexachlorobutadiene
Concen: 0.119 ng
RT: 11.01 min Scan# 595
Delta R.T. -0.02 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:225 Resp: 326

Ion	Ratio	Lower	Upper
225	100		
223	60.4	53.0	79.6
227	66.6	51.4	77.2



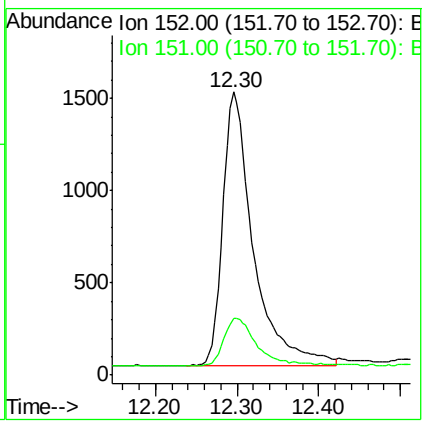


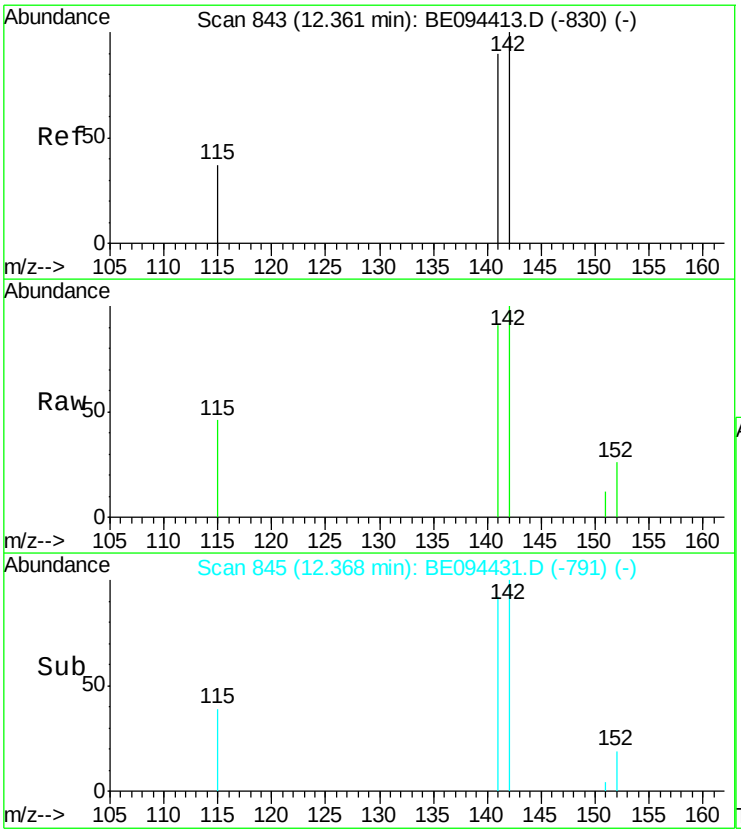
#11
2-Methylnaphthalene-d10
Concen: 0.408 ng
RT: 12.30 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:152 Resp: 3851

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.0

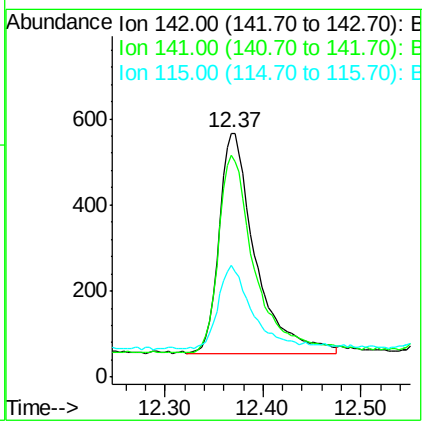


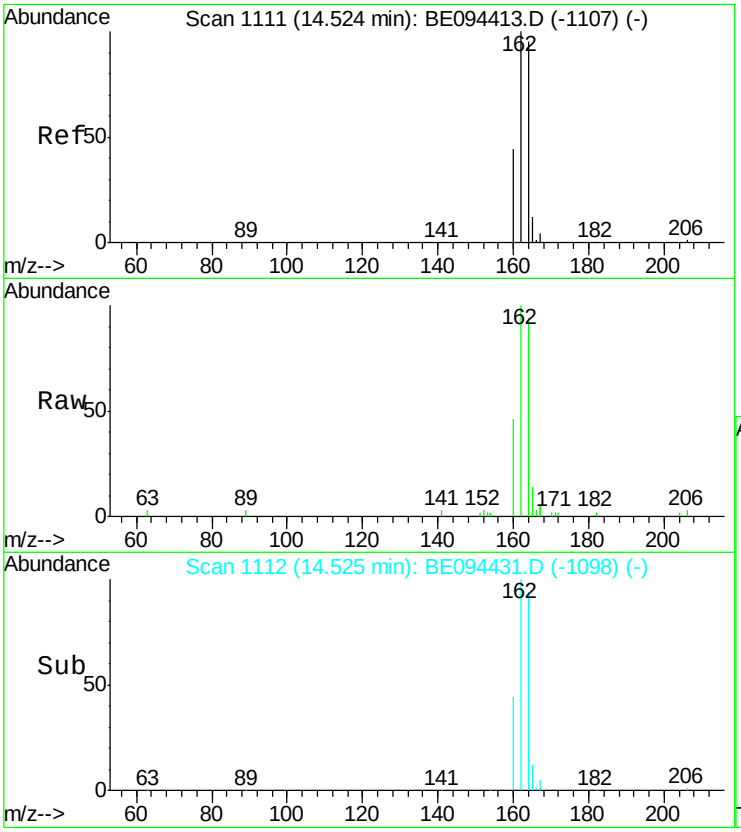


#12
2-Methylnaphthalene
Concen: 0.116 ng
RT: 12.37 min Scan# 845
Delta R.T. 0.01 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:142 Resp: 1305

Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.4	105.6
115	46.1	31.7	47.5



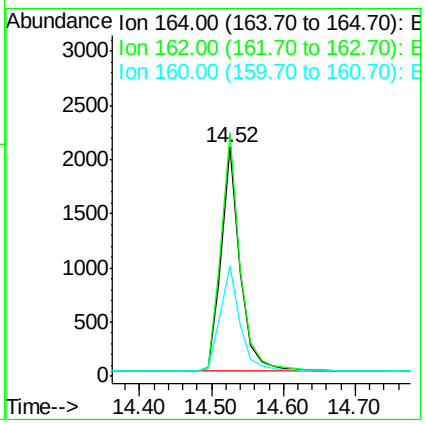


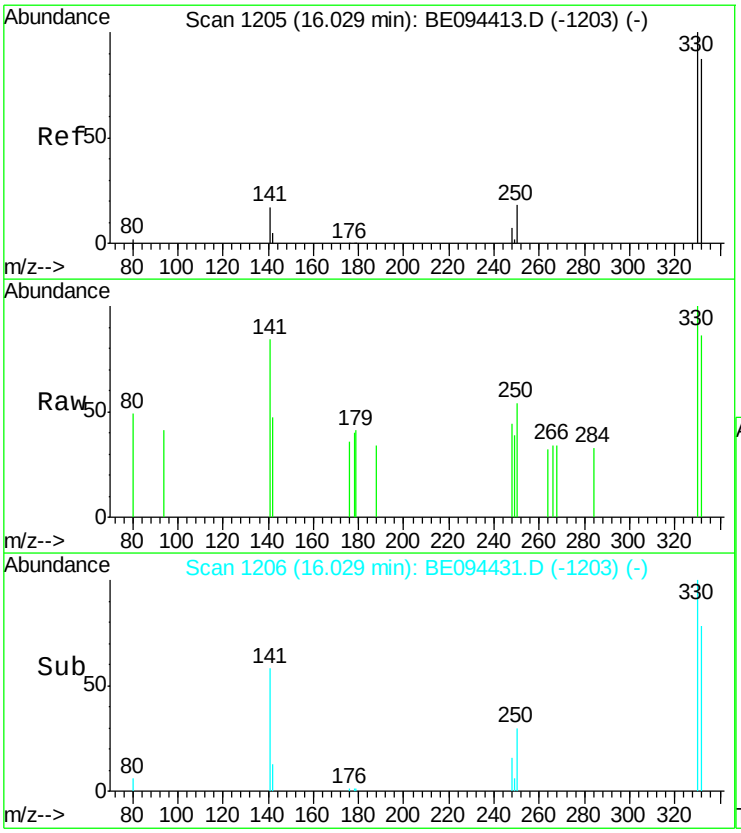
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:164 Resp: 3793

Ion	Ratio	Lower	Upper
164	100		
162	106.2	83.1	124.7
160	48.3	37.1	55.7

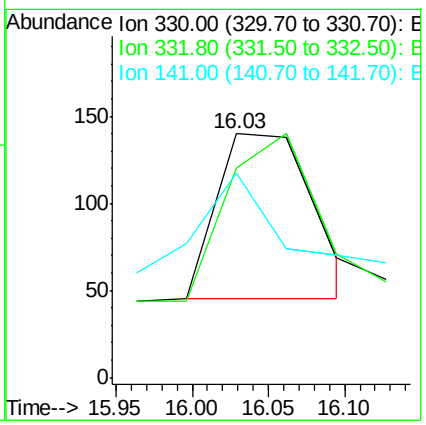


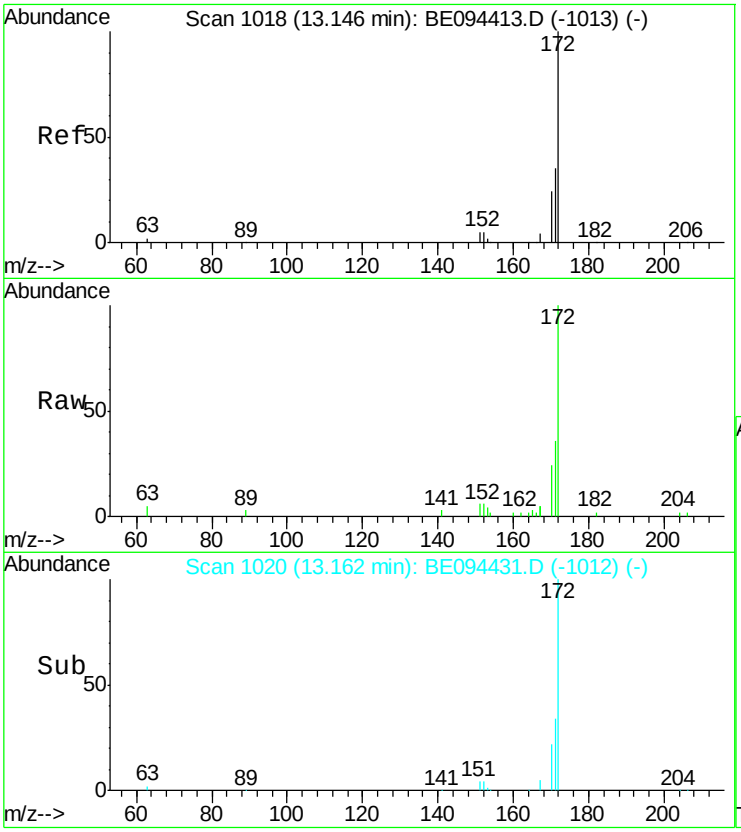


#14
2,4,6-Tribromophenol
Concen: 0.287 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:330 Resp: 415

Ion	Ratio	Lower	Upper
330	100		
332	0.0	152.7	229.1#
141	24.1	33.7	50.5#



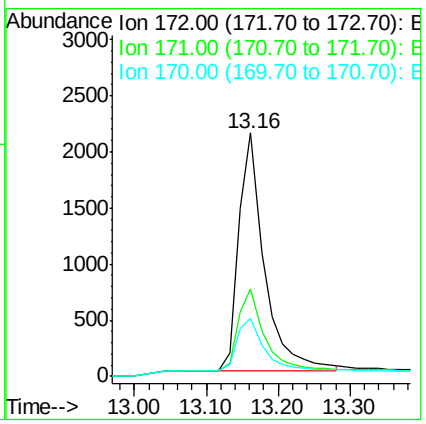


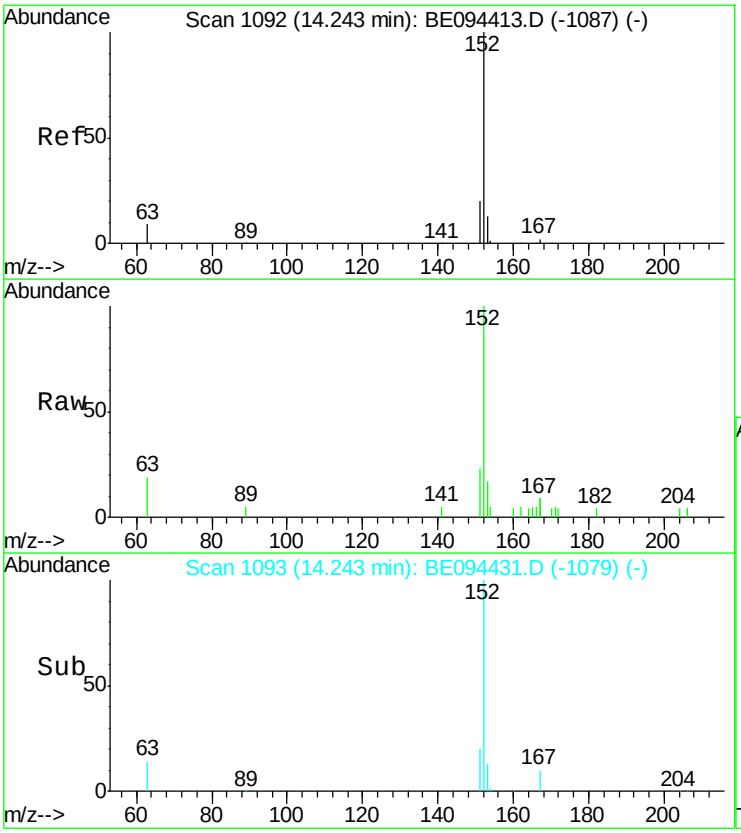
#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.02 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:172 Resp: 5299

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.9	44.9
170	24.1	21.8	32.8

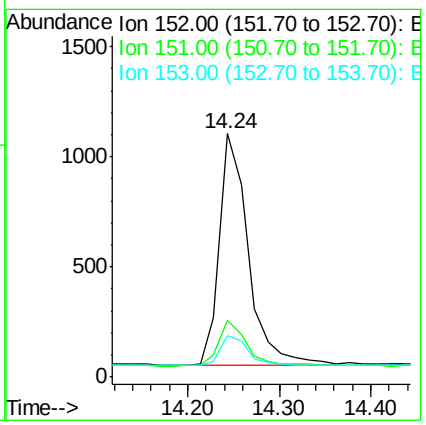


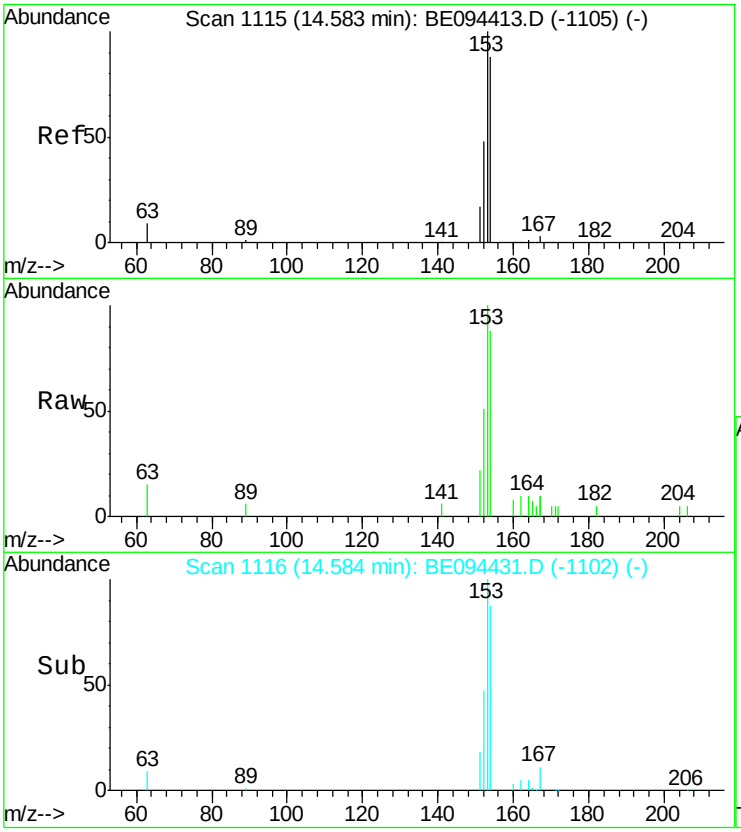


#16
Acenaphthylene
Concen: 0.111 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:152 Resp: 2282

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.4	10.5	15.7



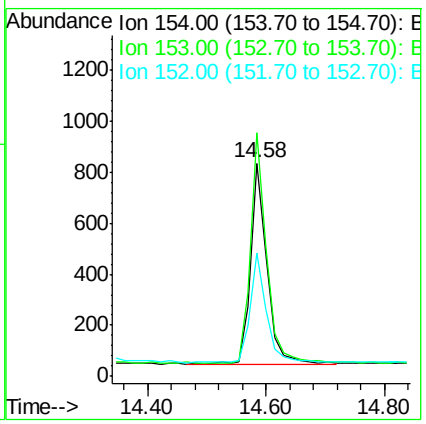


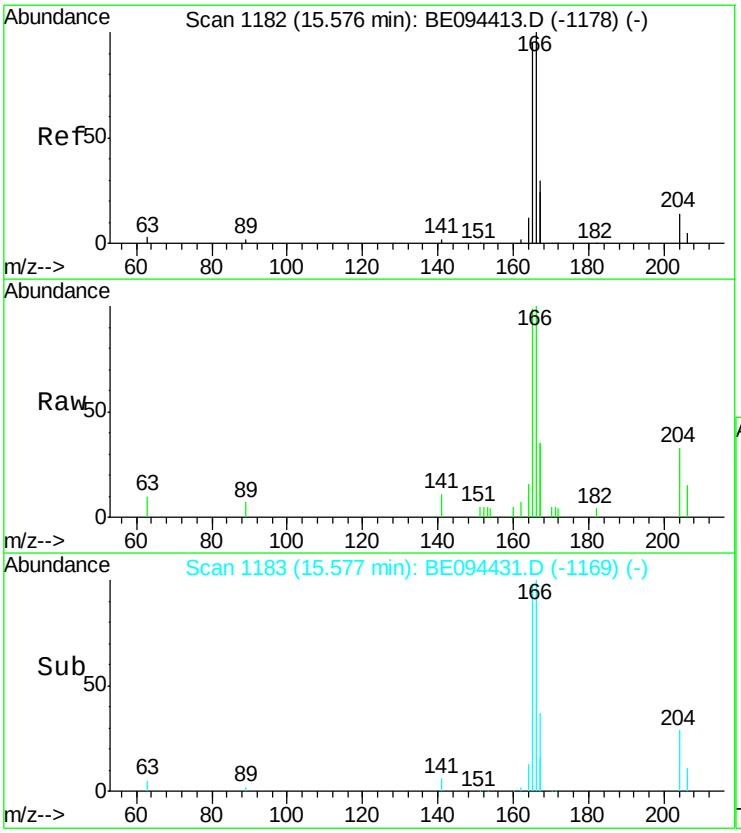
#17
Acenaphthene
Concen: 0.115 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:154 Resp: 1486

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.2	133.8
152	53.0	42.0	63.0

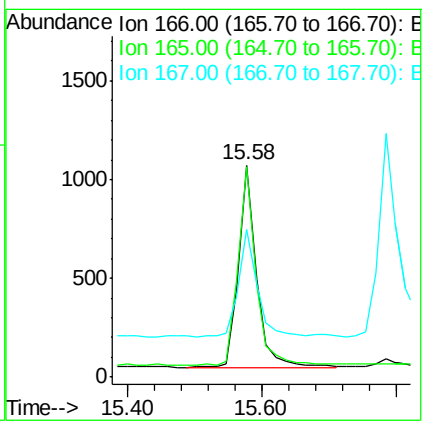


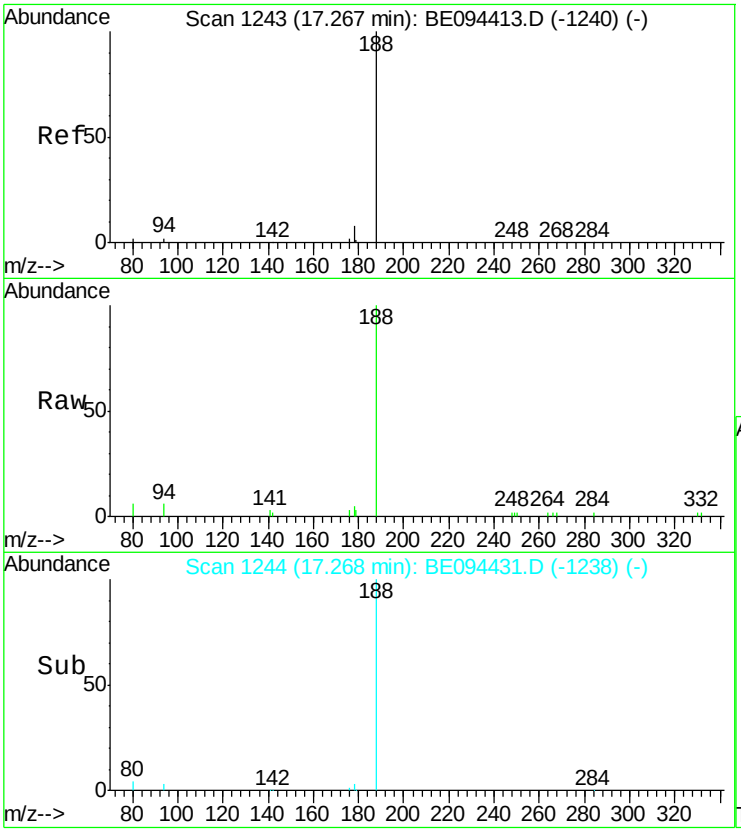


#18
Fluorene
Concen: 0.113 ng
RT: 15.58 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:166 Resp: 1880

Ion	Ratio	Lower	Upper
166	100		
165	98.6	77.8	116.6
167	54.7	42.4	63.6



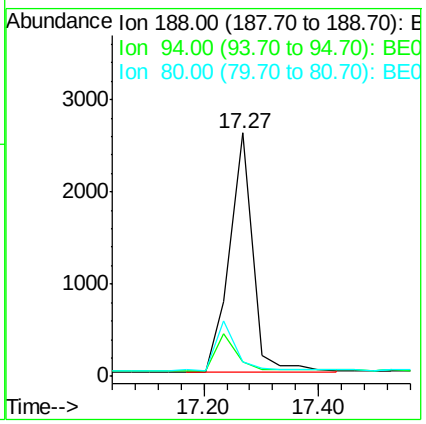


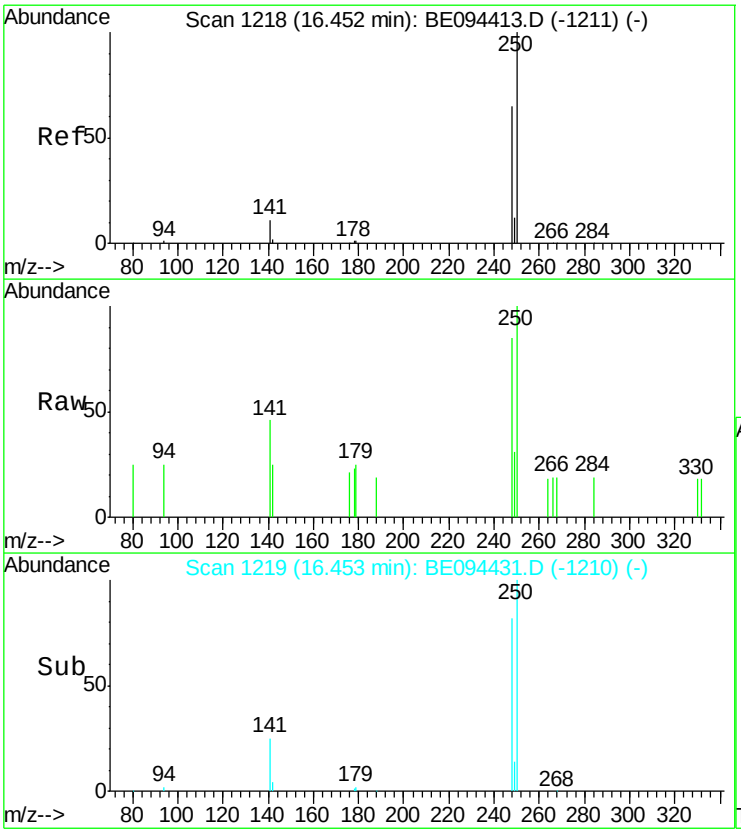
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:188 Resp: 7238

Ion	Ratio	Lower	Upper
188	100		
94	5.8	3.9	5.9
80	6.1	3.6	5.4#

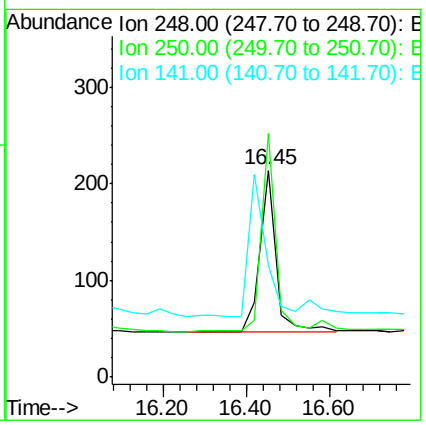


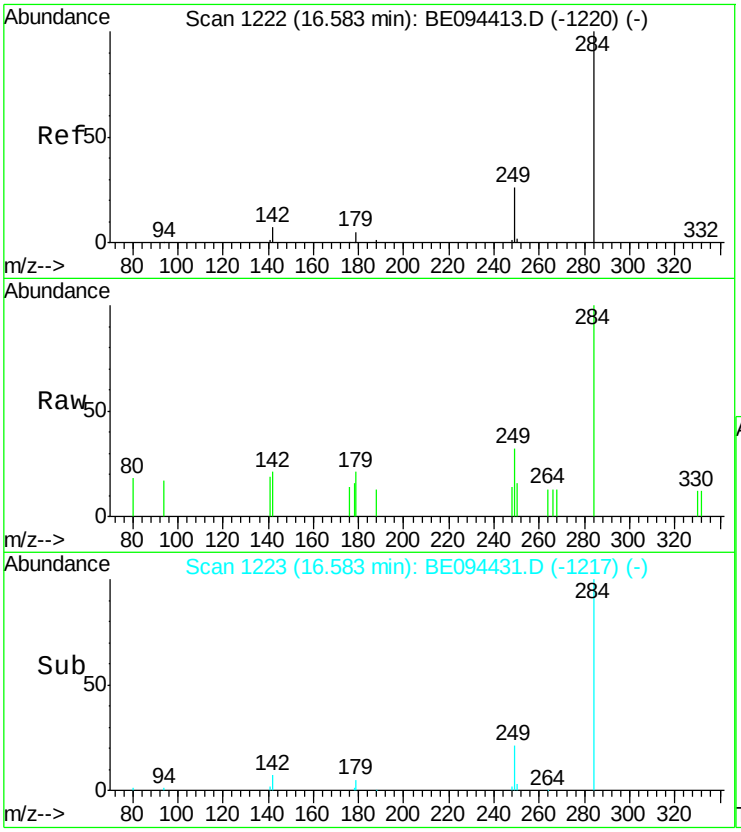


#20
4-Bromophenyl-phenylether
Concen: 0.130 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:248 Resp: 469

Ion	Ratio	Lower	Upper
248	100		
250	117.8	62.7	94.1#
141	53.7	48.2	72.2



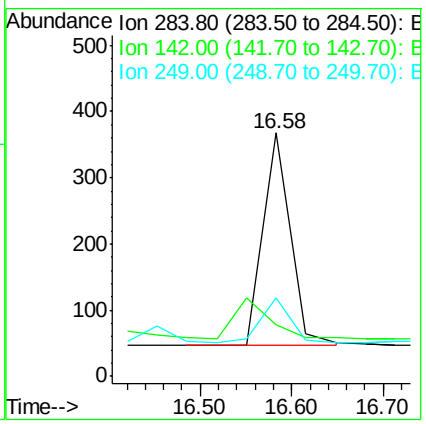


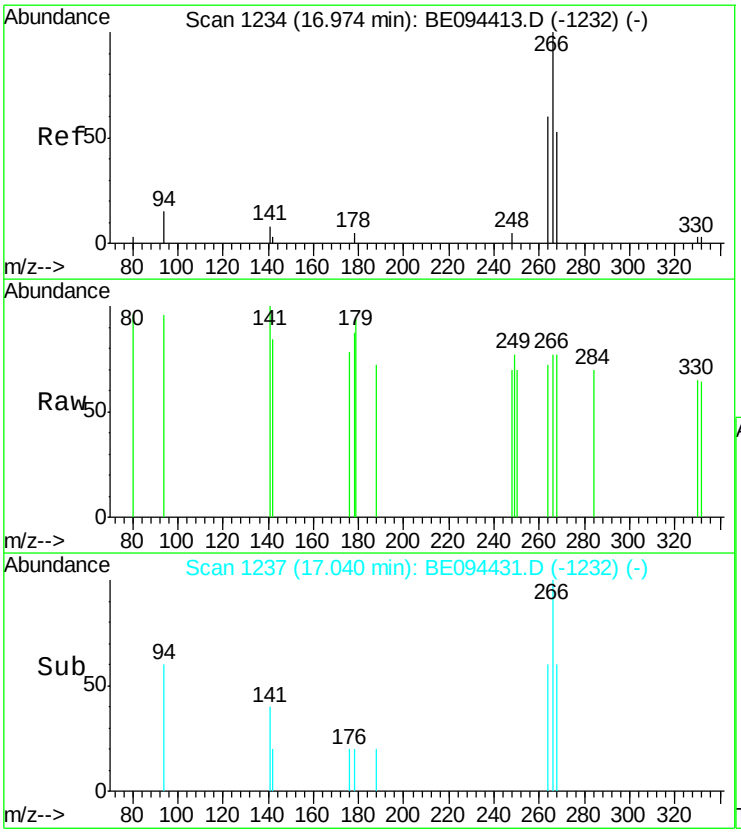
#21
Hexachlorobenzene
Concen: 0.115 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:284 Resp: 671

Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.1	33.1#
249	23.5	34.8	52.2#

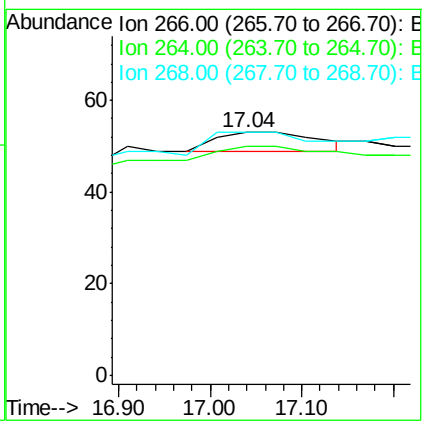


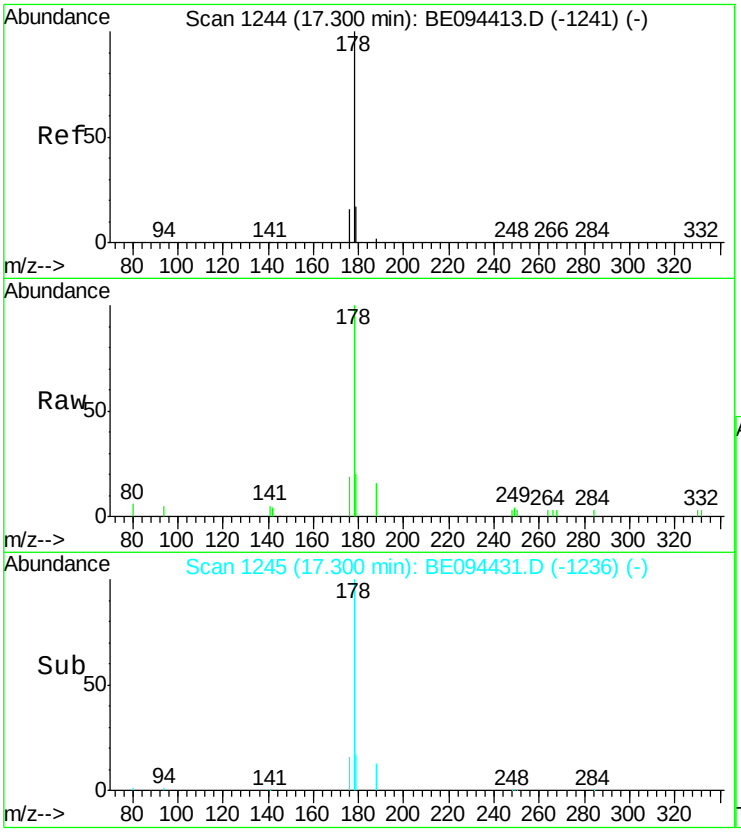


#22
Pentachlorophenol
Concen: 0.197 ng
RT: 17.04 min Scan# 1237
Delta R.T. 0.07 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:266 Resp: 31

Ion	Ratio	Lower	Upper
266	100		
264	94.3	72.5	108.7
268	100.0	73.8	110.6



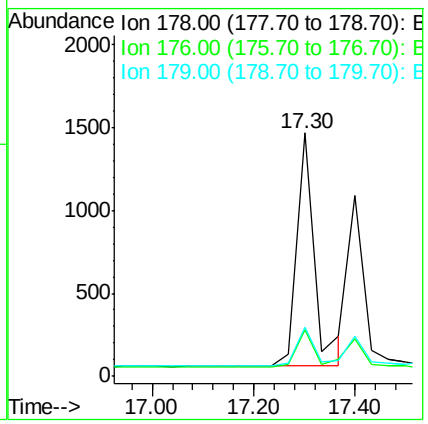


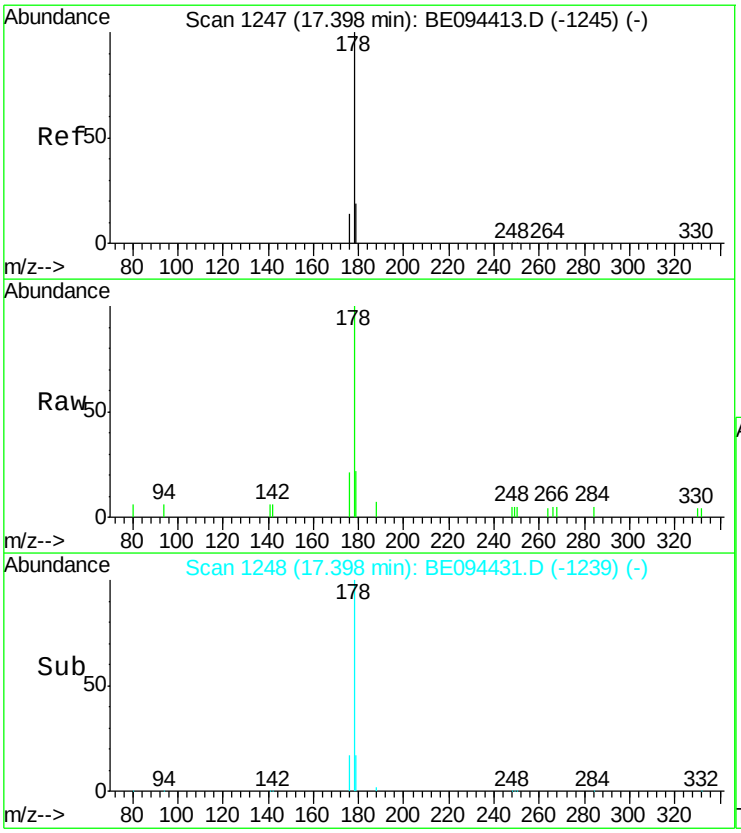
#23
Phenanthrene
Concen: 0.121 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:178 Resp: 3448

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.1	22.7
179	16.4	11.8	17.6

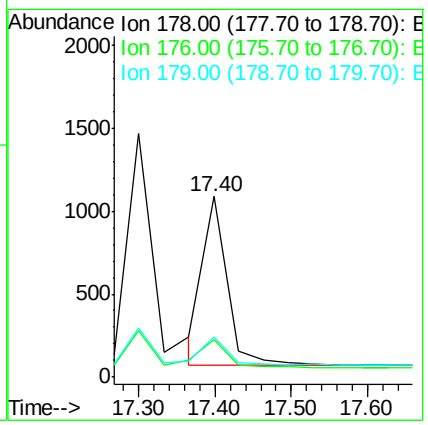


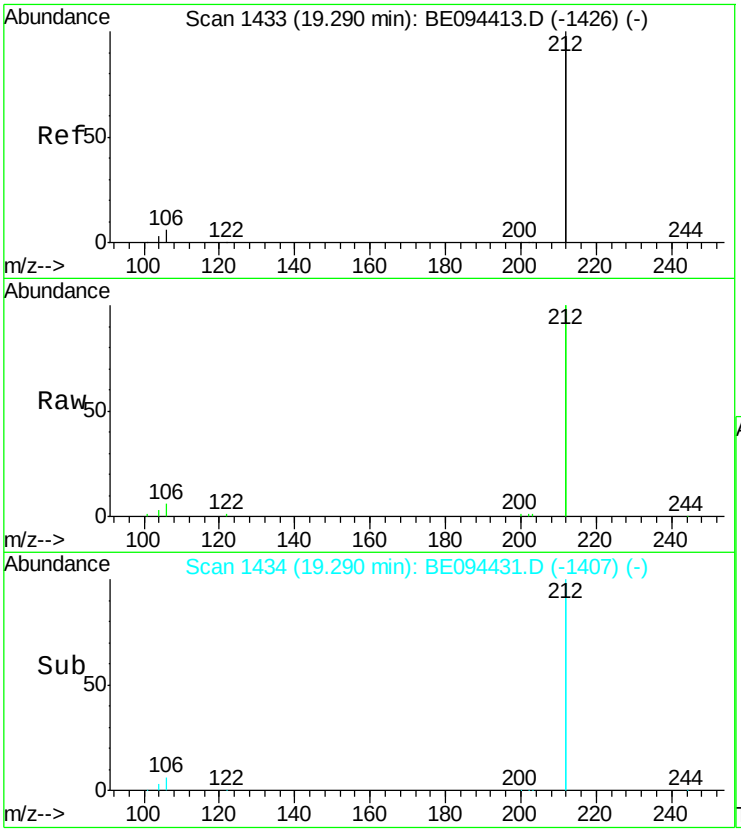


#24
Anthracene
Concen: 0.103 ng
RT: 17.40 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:178 Resp: 2257

Ion	Ratio	Lower	Upper
178	100		
176	16.6	12.8	19.2
179	18.3	13.0	19.6



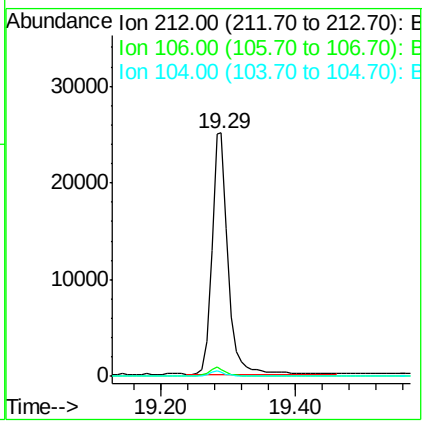


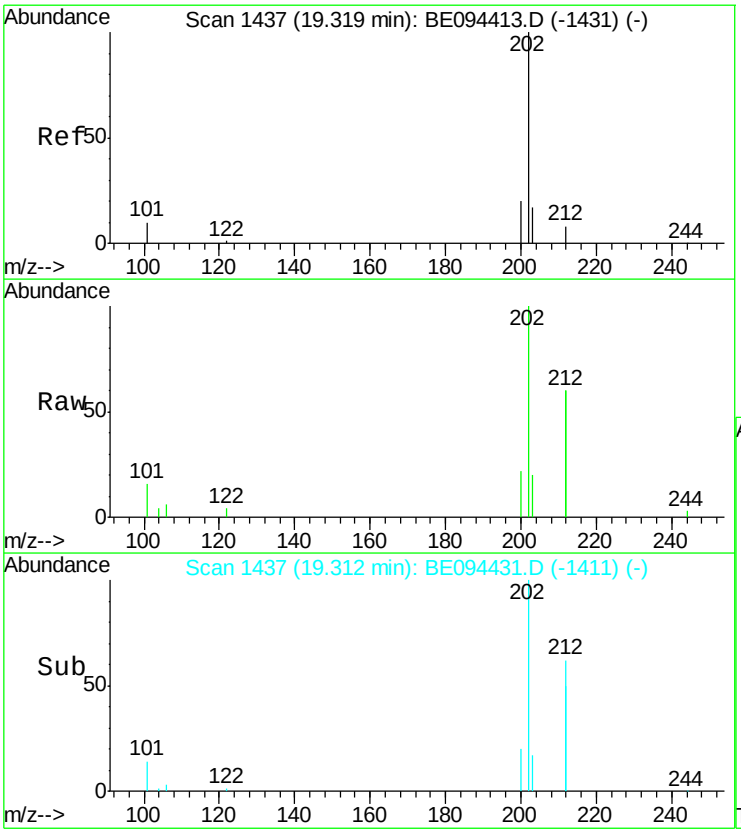
#25
Fluoranthene-d10
Concen: 0.360 ng
RT: 19.29 min Scan# 1434
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:212 Resp: 42002

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	2.0	1.6	2.4

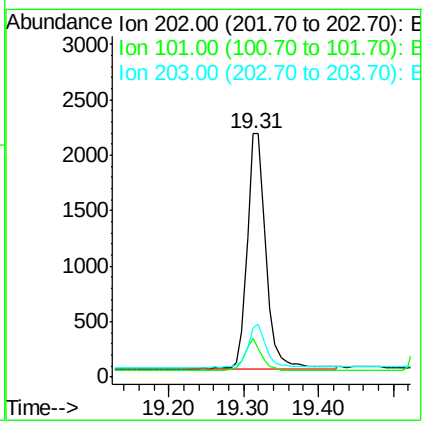


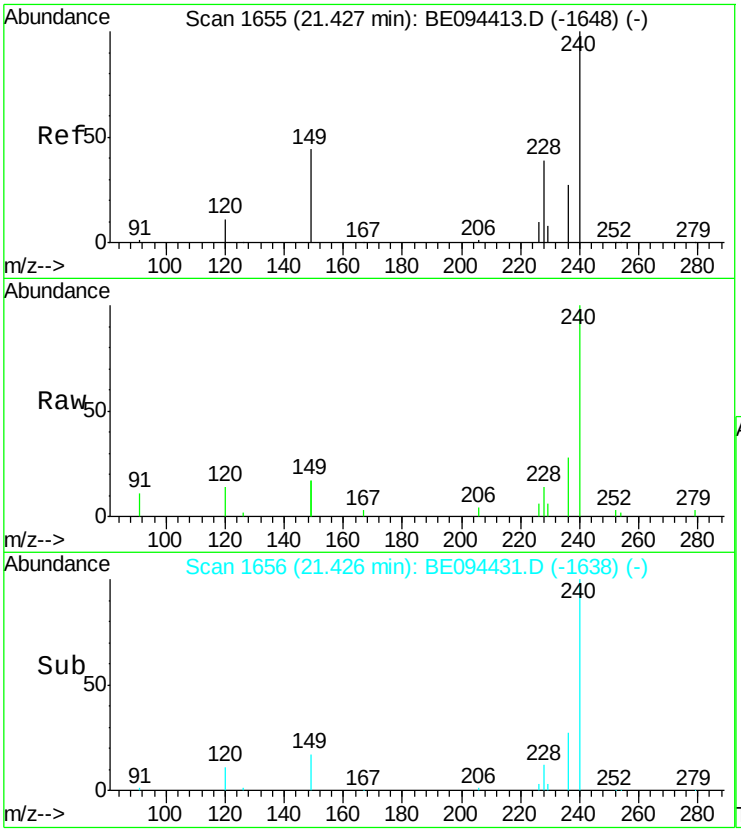


#26
Fluoranthene
Concen: 0.104 ng
RT: 19.31 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:202 Resp: 3687

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.8
203	17.9	13.7	20.5



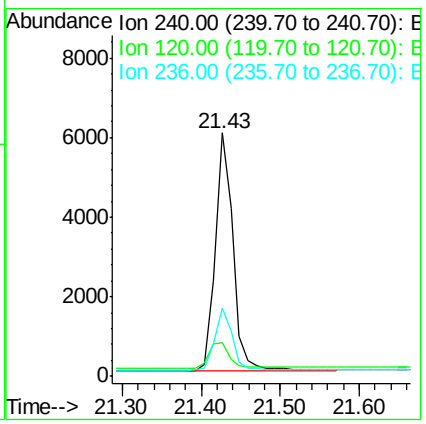


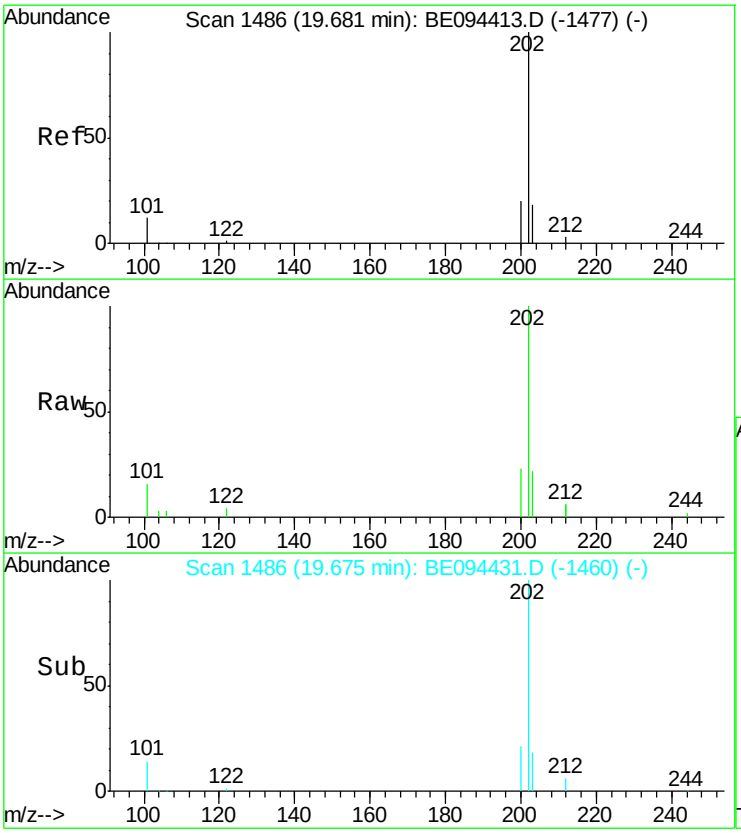
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:240 Resp: 9406

Ion	Ratio	Lower	Upper
240	100		
120	13.6	5.5	8.3#
236	28.3	20.7	31.1

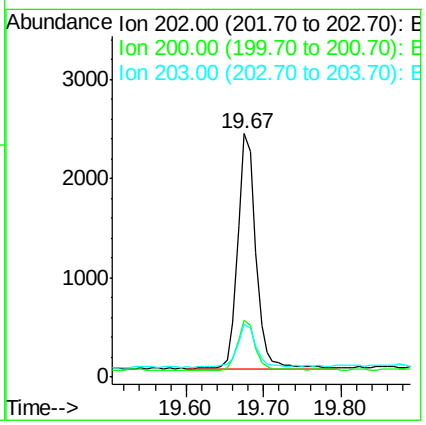


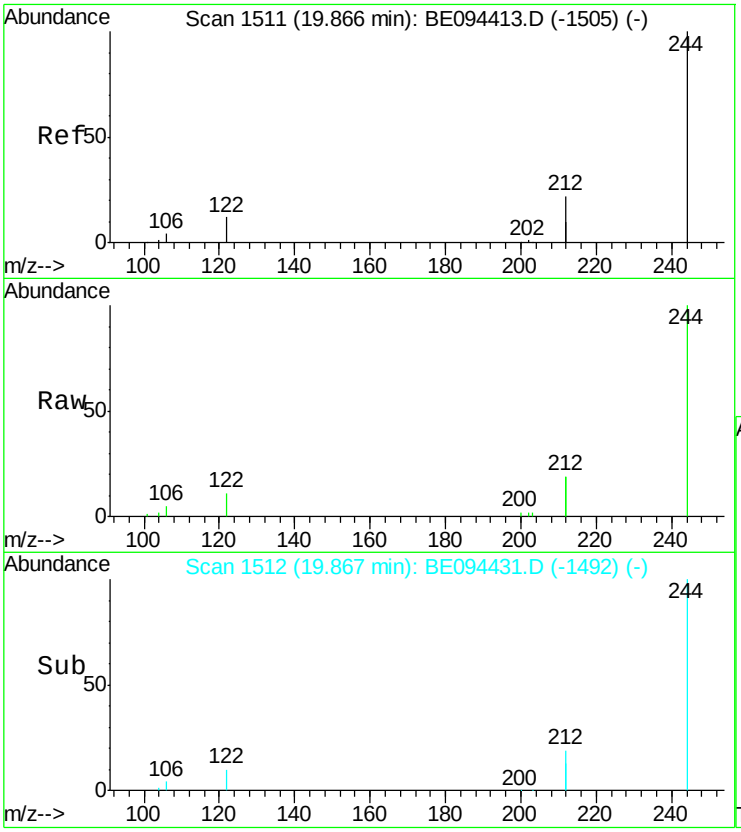


#28
Pyrene
Concen: 0.109 ng
RT: 19.67 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:202 Resp: 3877

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	25.0
203	18.9	13.8	20.8



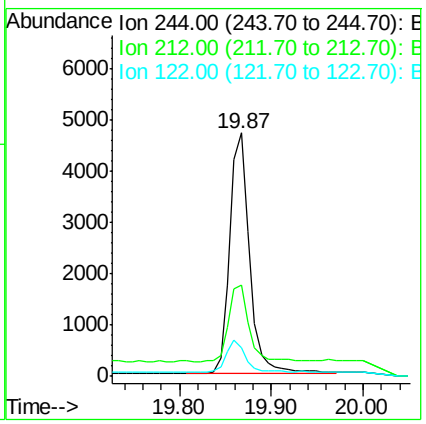


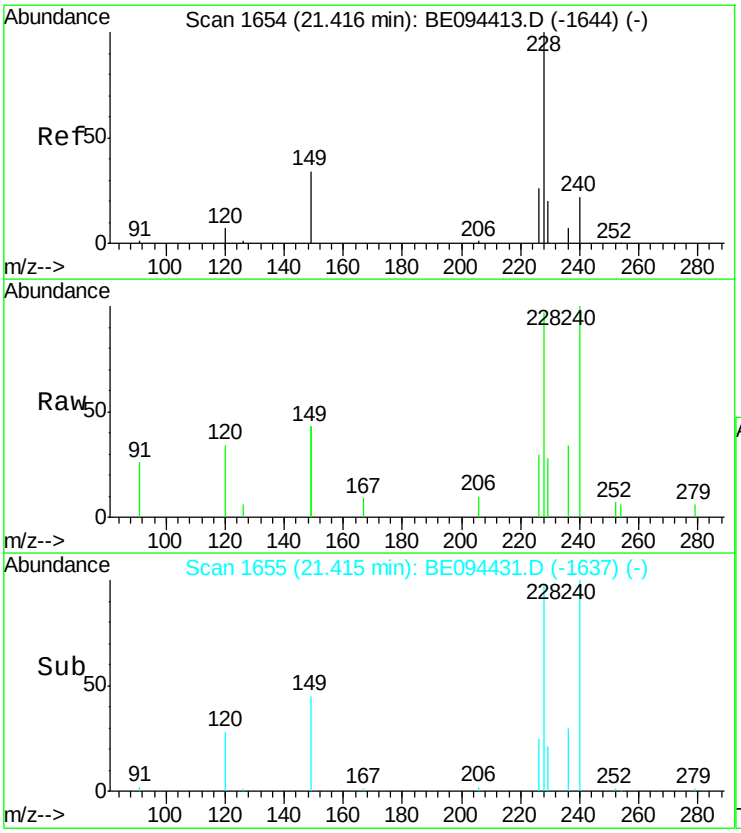
#29
Terphenyl-d14
Concen: 0.367 ng
RT: 19.87 min Scan# 1512
Delta R.T. 0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:244 Resp: 6972

Ion	Ratio	Lower	Upper
244	100		
212	37.4	25.4	38.0
122	11.5	8.1	12.1

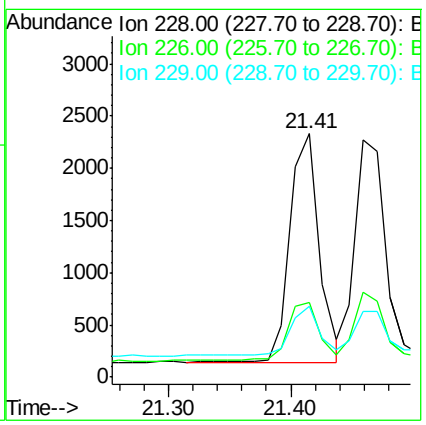


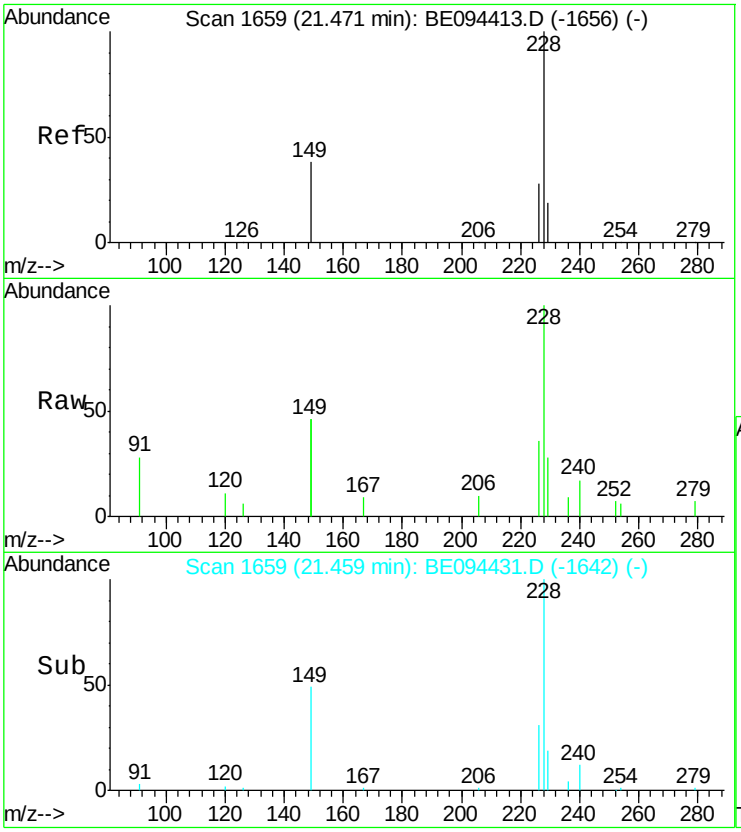


#30
Benzo(a)anthracene
Concen: 0.111 ng
RT: 21.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:228 Resp: 3626

Ion	Ratio	Lower	Upper
228	100		
226	30.7	40.0	60.0#
229	29.0	40.0	60.0#



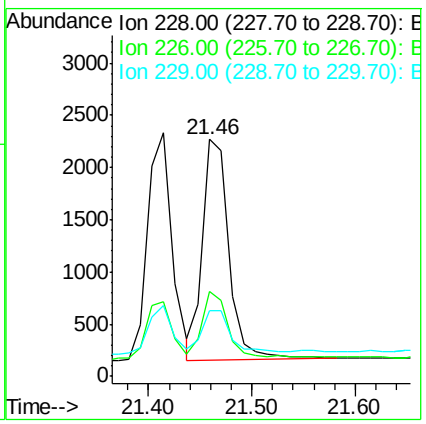


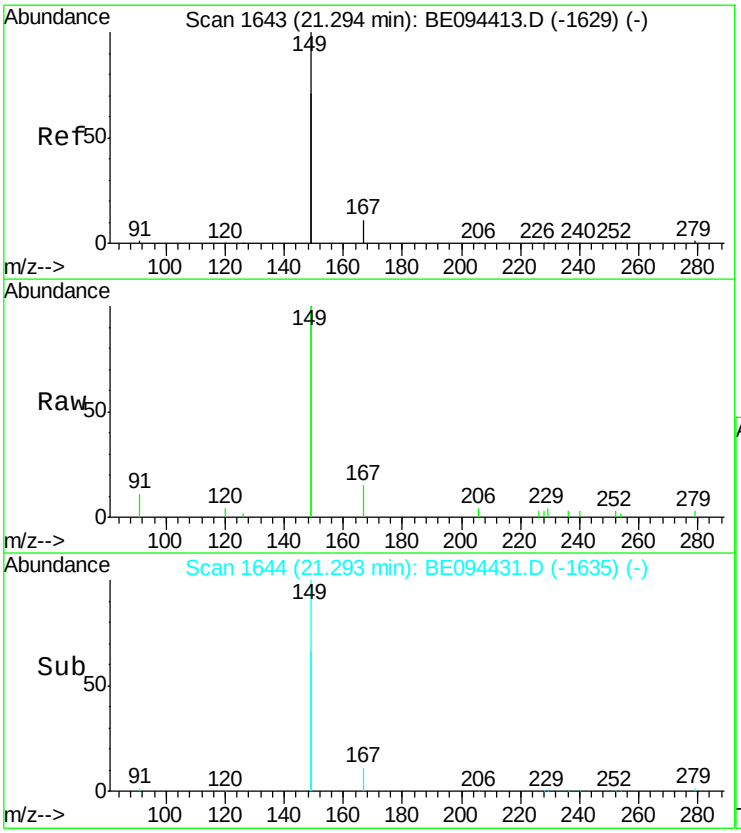
#31
Chrysene
Concen: 0.119 ng
RT: 21.46 min Scan# 1659
Delta R.T. -0.01 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:228 Resp: 3740

Ion	Ratio	Lower	Upper
228	100		
226	36.1	40.0	60.0#
229	27.6	40.0	60.0#

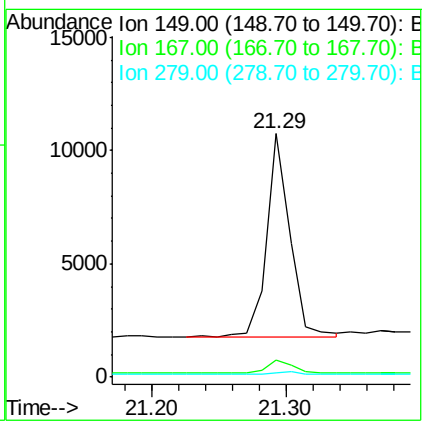


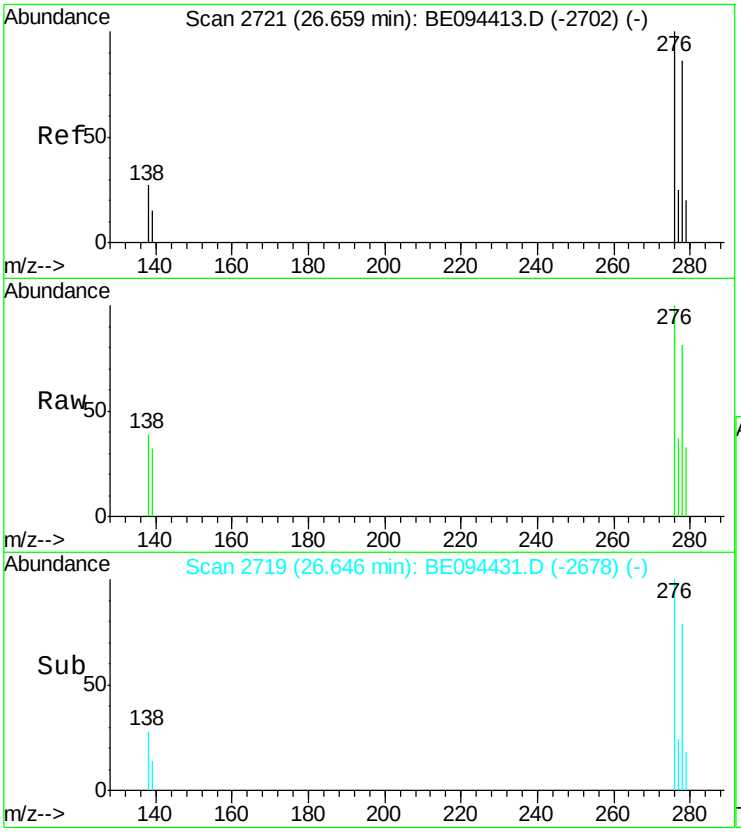


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.116 ng
RT: 21.29 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:149 Resp: 10824

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.1	0.7	1.1



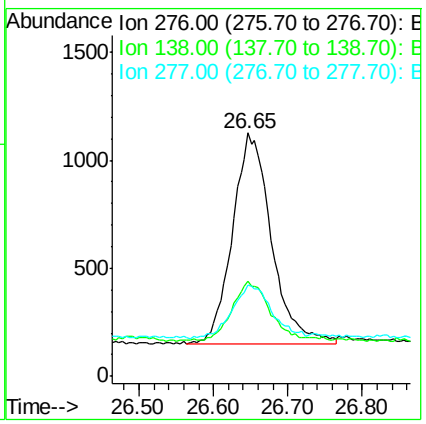


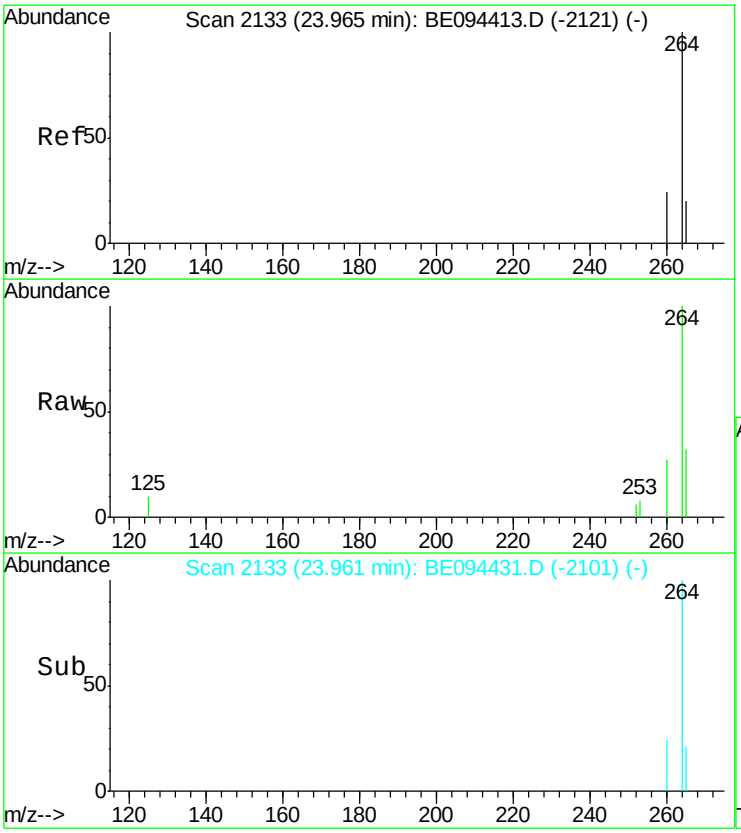
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.112 ng
RT: 26.65 min Scan# 2719
Delta R.T. -0.01 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:276 Resp: 3529

Ion	Ratio	Lower	Upper
276	100		
138	26.5	22.5	33.7
277	26.1	19.9	29.9

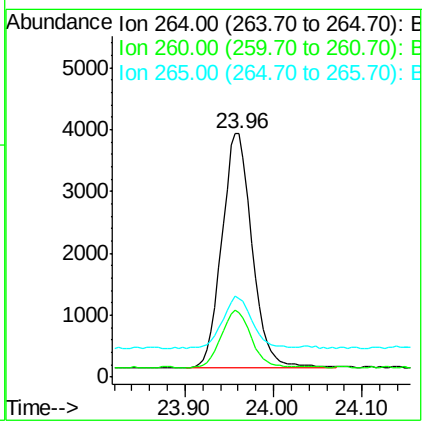


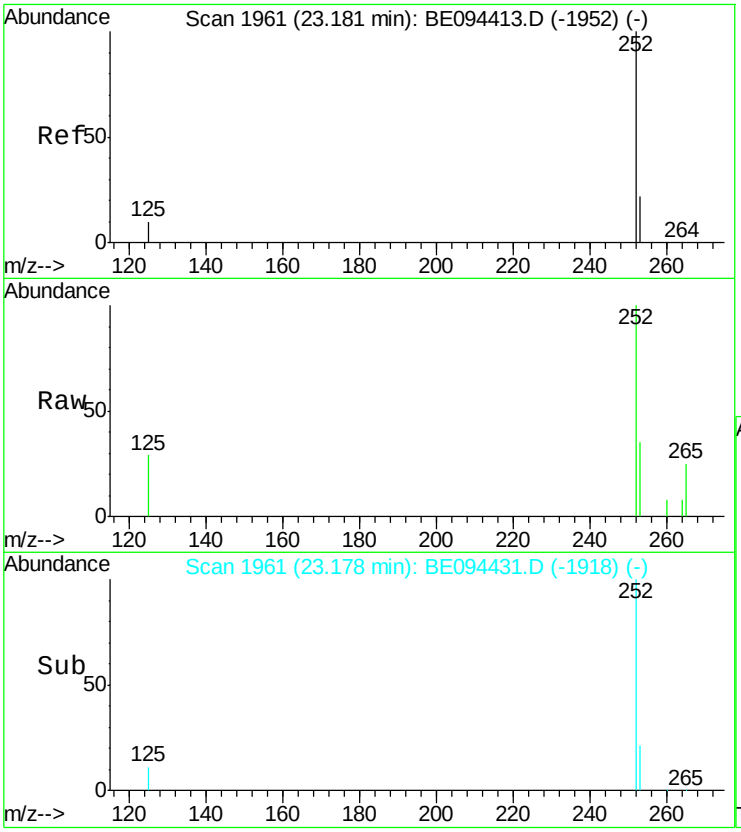


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2133
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:264 Resp: 8923

Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.5	30.7
265	32.3	22.8	34.2



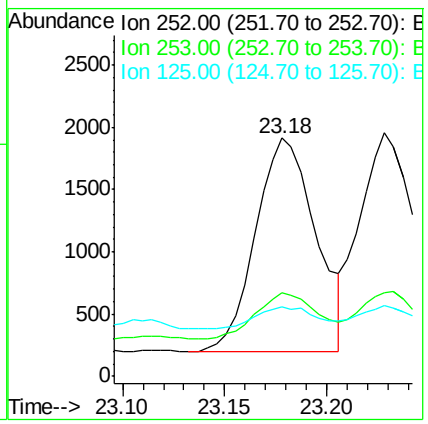


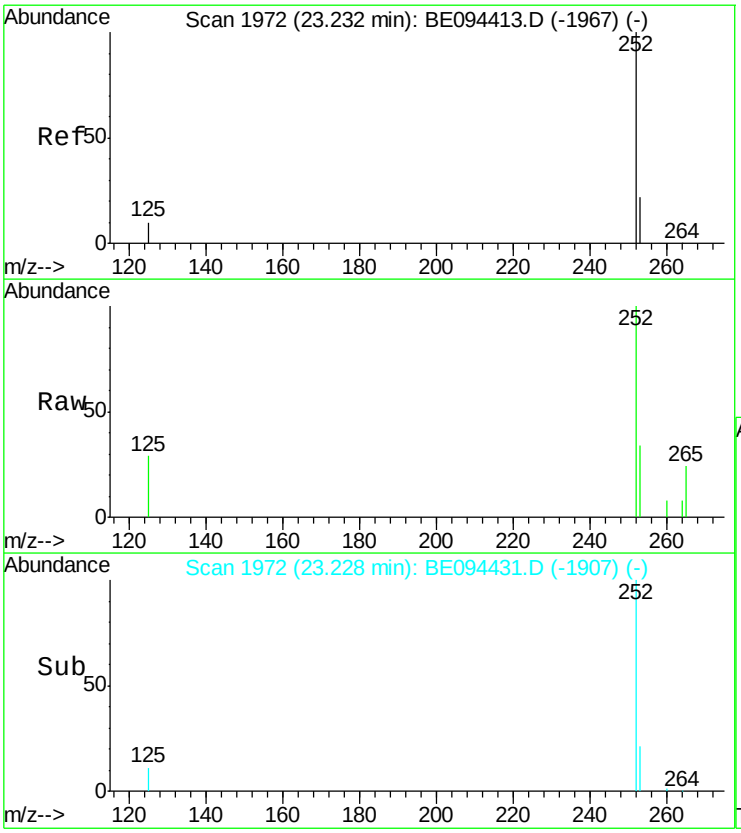
#35
Benzo(b)fluoranthene
Concen: 0.116 ng
RT: 23.18 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:252 Resp: 3509

Ion	Ratio	Lower	Upper
252	100		
253	35.2	48.0	72.0#
125	29.1	56.0	84.0#

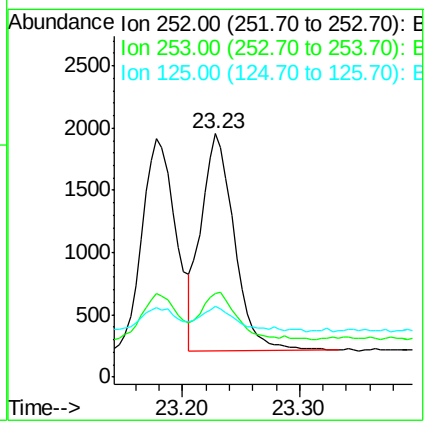


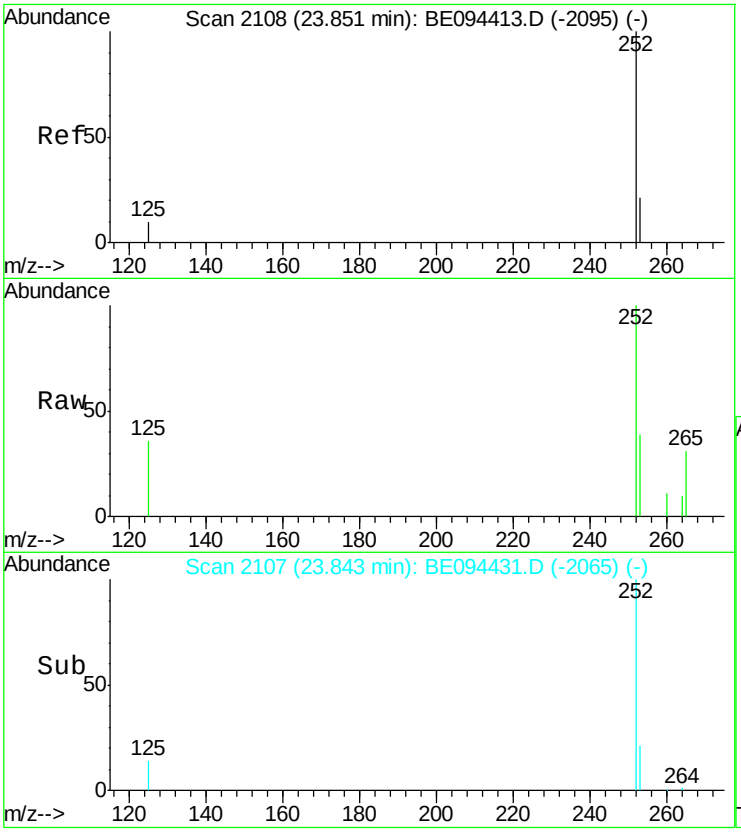


#36
Benzo(k)fluoranthene
Concen: 0.116 ng
RT: 23.23 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:252 Resp: 3452

Ion	Ratio	Lower	Upper
252	100		
253	34.3	48.0	72.0#
125	29.2	56.0	84.0#



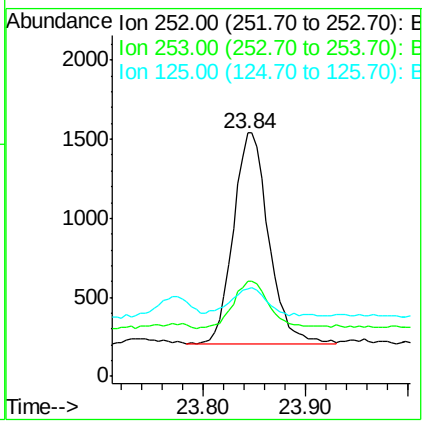


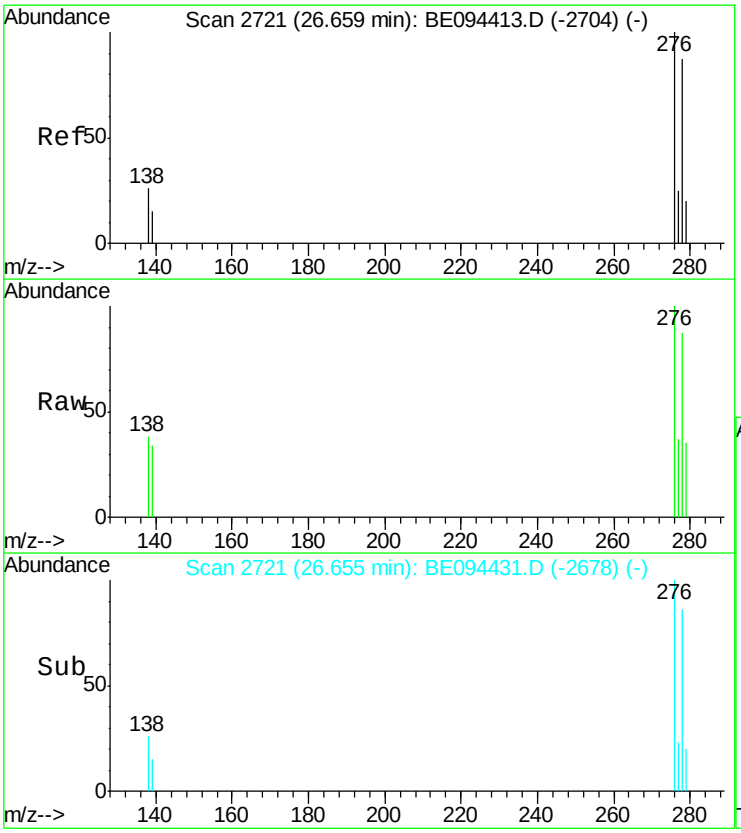
#37
Benzo(a)pyrene
Concen: 0.113 ng
RT: 23.84 min Scan# 2107
Delta R.T. -0.01 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:252 Resp: 3206

Ion	Ratio	Lower	Upper
252	100		
253	39.1	52.0	78.0#
125	36.1	68.0	102.0#

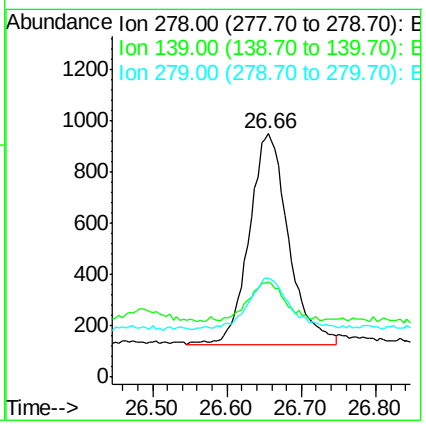


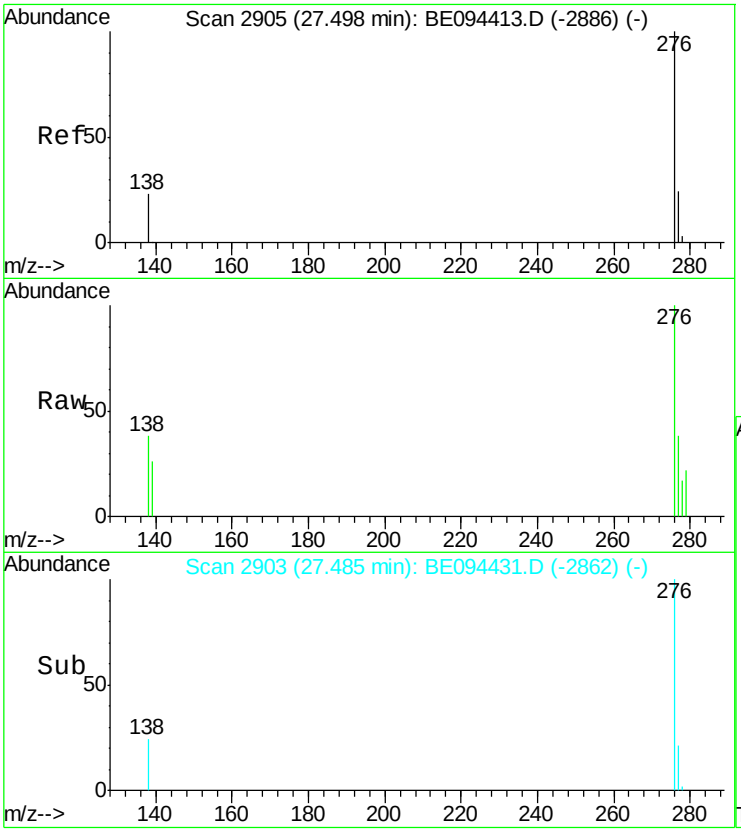


#38
Dibenzo(a,h)anthracene
Concen: 0.111 ng
RT: 26.66 min Scan# 2721
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:278 Resp: 3002

Ion	Ratio	Lower	Upper
278	100		
139	39.2	56.0	84.0#
279	40.9	52.0	78.0#





#39
Benzo(g,h,i)perylene
Concen: 0.113 ng
RT: 27.48 min Scan# 2903
Delta R.T. -0.01 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tgt Ion:276 Resp: 2938

Ion	Ratio	Lower	Upper
276	100		
277	38.1	52.0	78.0#
138	38.5	44.0	66.0#