Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092623.D
Acq On : 27 Dec 2016 15:20
Operator : UM/SJ
Sample : H6103-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOD-SOIL-01-QT1-2017

Quant Time: Dec 28 01:25:26 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 16:16:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	12144	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	49589	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	28485	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	52543	5.00	ng		0.00
24) Chrysene-d12	21.72	240	56463	5.00	ng		0.00
31) Perylene-d12	24.08	264	50482	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.65	112	21341	9.06	ng		-0.04
5) Phenol-d6	7.31	99	26834	7.54	ng		-0.07
8) Nitrobenzene-d5	9.32	82	12721	3.75	ng		-0.05
13) 2,4,6-Tribromophenol	16.30	330	4241	5.22	ng		-0.01
14) 2-Fluorobiphenyl	13.42	172	28390	4.17	ng		-0.01
26) Terphenyl-d14	20.16	244	29811	4.31	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	159	Below Cal		#	1
3) n-Nitrosodimethylamine	3.81	42	42	0.22	ng	#	1
6) bis(2-Chloroethyl)ether	7.59	93	260	0.18	ng	#	15
9) Naphthalene	10.97	128	815	0.08	ng	#	75
10) Hexachlorobutadiene	11.26	225	140	0.09	ng		96
11) 2-Methylnaphthalene	12.65	142	433	0.07	ng	#	92
15) Acenaphthylene	14.52	152	3007	0.08	ng		99
16) Acenaphthene	14.87	154	495	0.08	ng		87
17) Fluorene	15.87	166	551	0.07	ng		97
19) Hexachlorobenzene	16.87	284	272	0.12	ng	#	24
20) Pentachlorophenol	17.28	266	26	0.07	ng	#	74
21) Phenanthrene	17.58	178	1034	0.08	ng	#	78
22) Anthracene	17.72	178	820	0.07	ng	#	69
23) Fluoranthene	19.61	202	3535	0.06	ng		99
25) Pyrene	19.97	202	3543	0.07	ng		100
27) Benzo(a)anthracene	21.75	228	8148	0.16	ng	#	79
28) Chrysene	21.75	228	8208	0.14	ng	#	91
29) Bis(2-ethylhexyl)phthalate	21.61	149	246	0.11	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.62	276	4202	0.08	ng		98
32) Benzo(b)fluoranthene	23.36	252	762	0.07	ng	#	70
33) Benzo(k)fluoranthene	23.40	252	1063	0.08	ng	#	69
34) Benzo(a)pyrene	23.97	252	778	0.07	ng	#	57
35) Dibenzo(a,h)anthracene	26.63	278	813	0.08	ng	#	51
36) Benzo(g,h,i)perylene	27.37	276	3909	0.09	ng	#	69

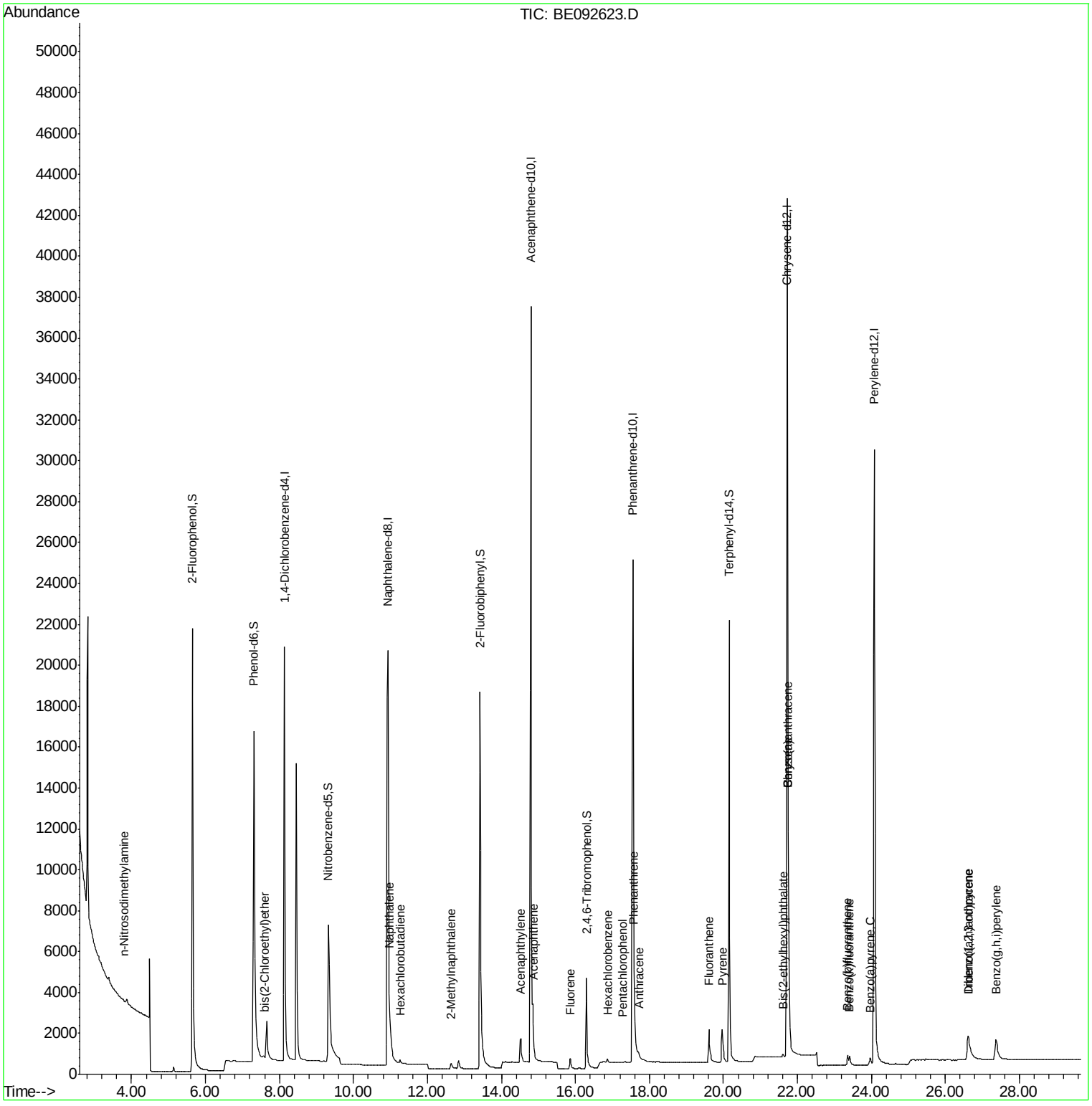
(#) = qualifier out of range (m) = manual integration (+) = signals summed

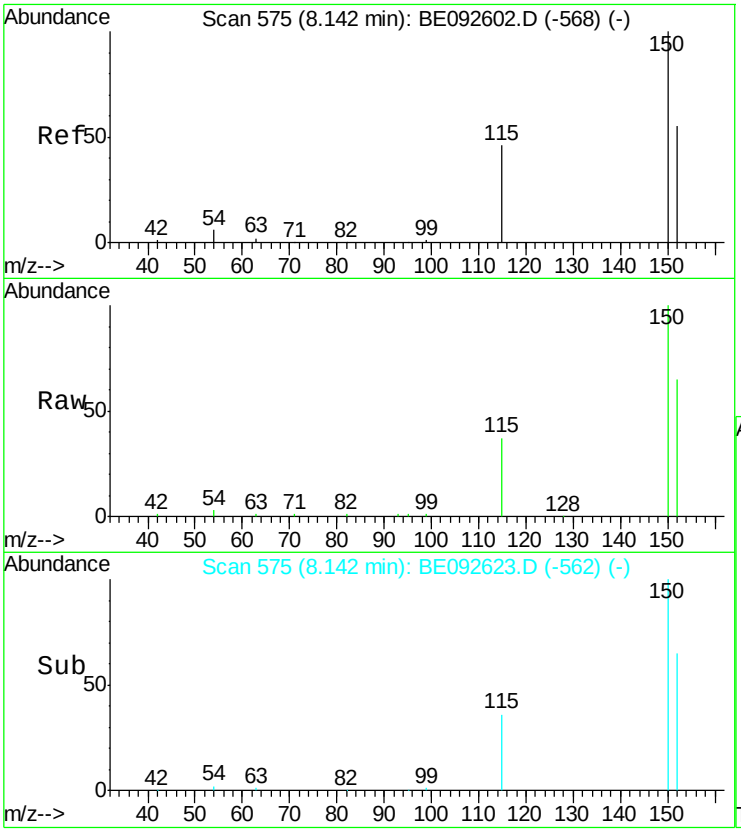
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092623.D
Acq On : 27 Dec 2016 15:20
Operator : UM/SJ
Sample : H6103-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Quant Time: Dec 28 01:25:26 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 16:16:32 2016
Response via : Initial Calibration



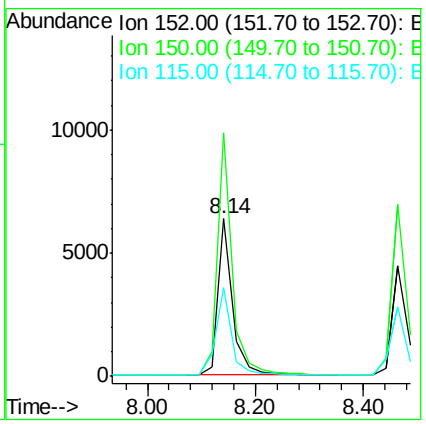


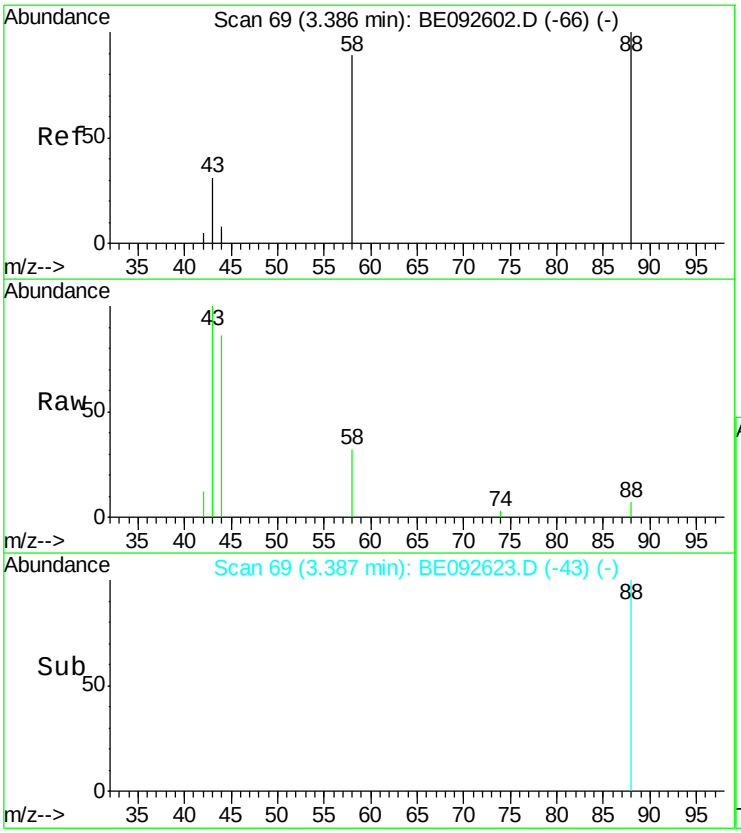
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. 0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:152 Resp: 12144

Ion	Ratio	Lower	Upper
152	100		
150	154.5	106.0	159.0
115	56.7	31.2	46.8#

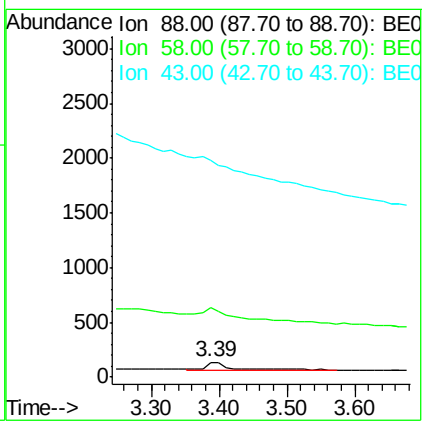


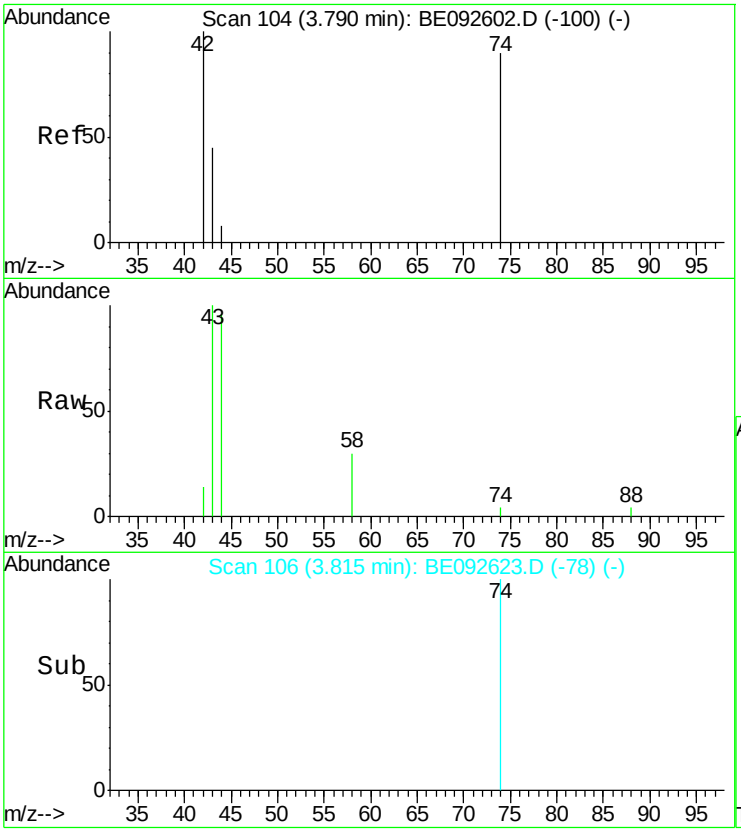


#2
1,4-Dioxane
Concen: Below Cal
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion: 88 Resp: 159

Ion	Ratio	Lower	Upper
88	100		
58	550.9	63.6	95.4#
43	0.0	28.0	42.0#



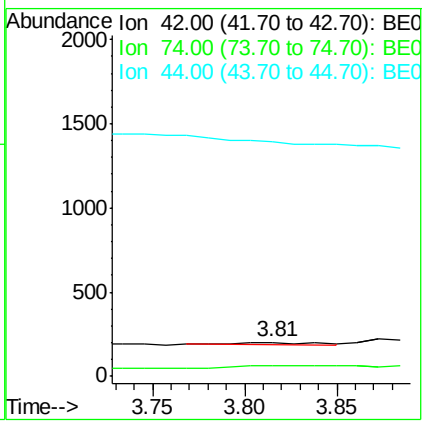


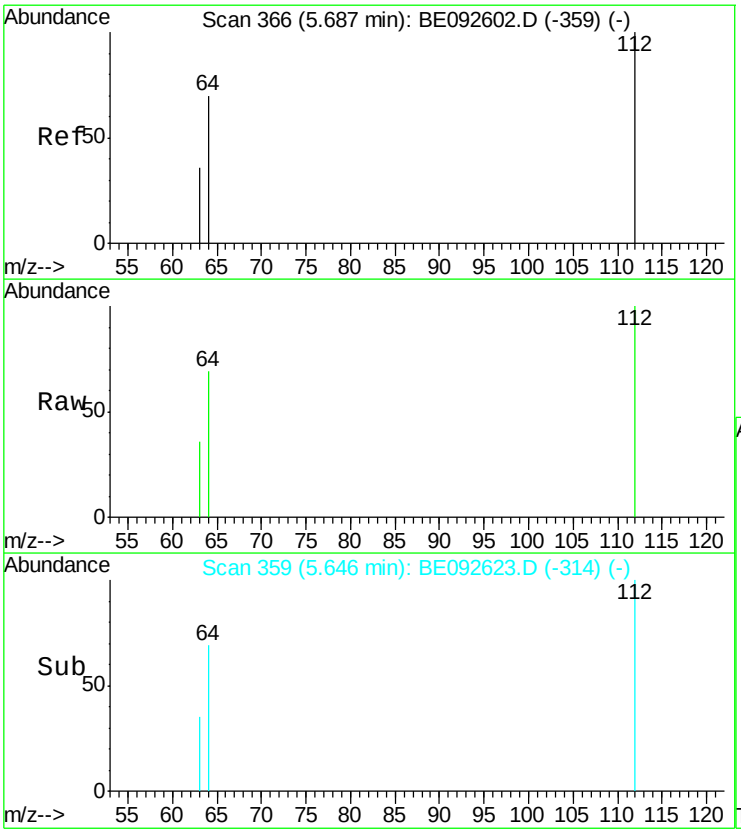
#3
n-Nitrosodimethylamine
Concen: 0.22 ng
RT: 3.81 min Scan# 106
Delta R.T. 0.02 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion: 42 Resp: 42

Ion	Ratio	Lower	Upper
42	100		
74	276.2	86.0	129.0#
44	0.0	5.1	7.7#

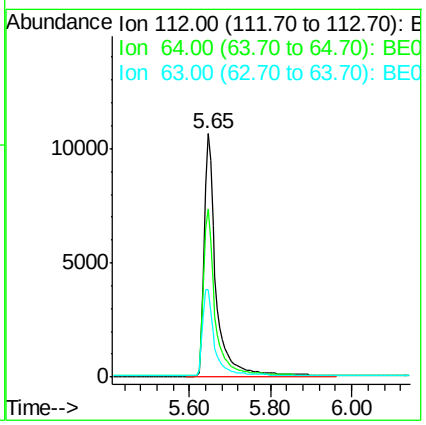


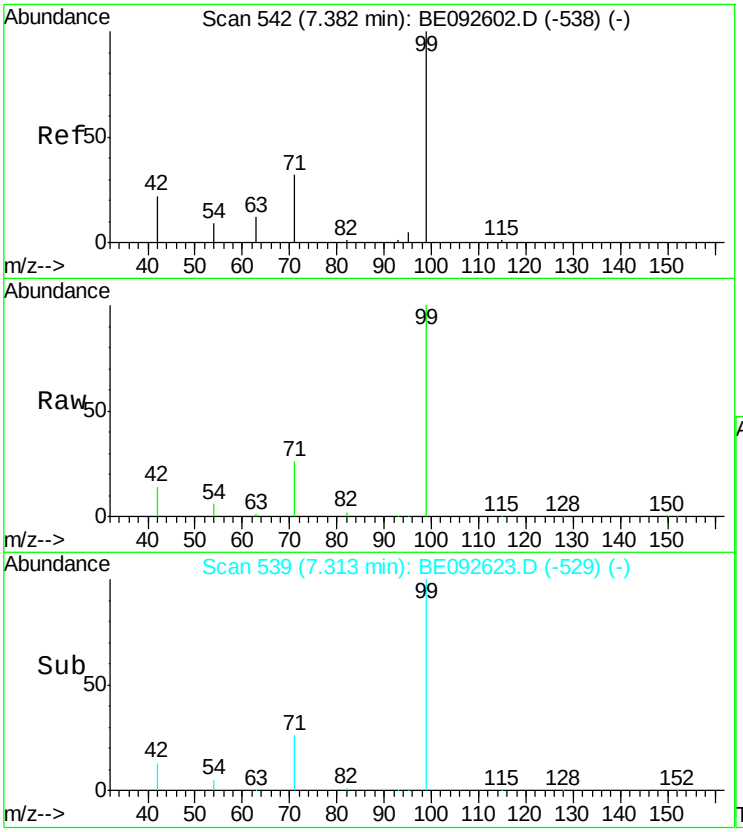


#4
2-Fluorophenol
Concen: 9.06 ng
RT: 5.65 min Scan# 359
Delta R.T. -0.04 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:112 Resp: 21341

Ion	Ratio	Lower	Upper
112	100		
64	68.9	53.5	80.3
63	37.0	27.9	41.9



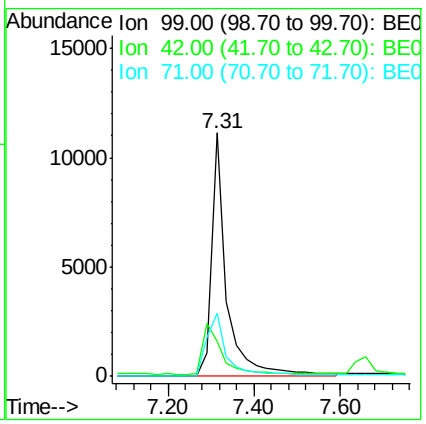


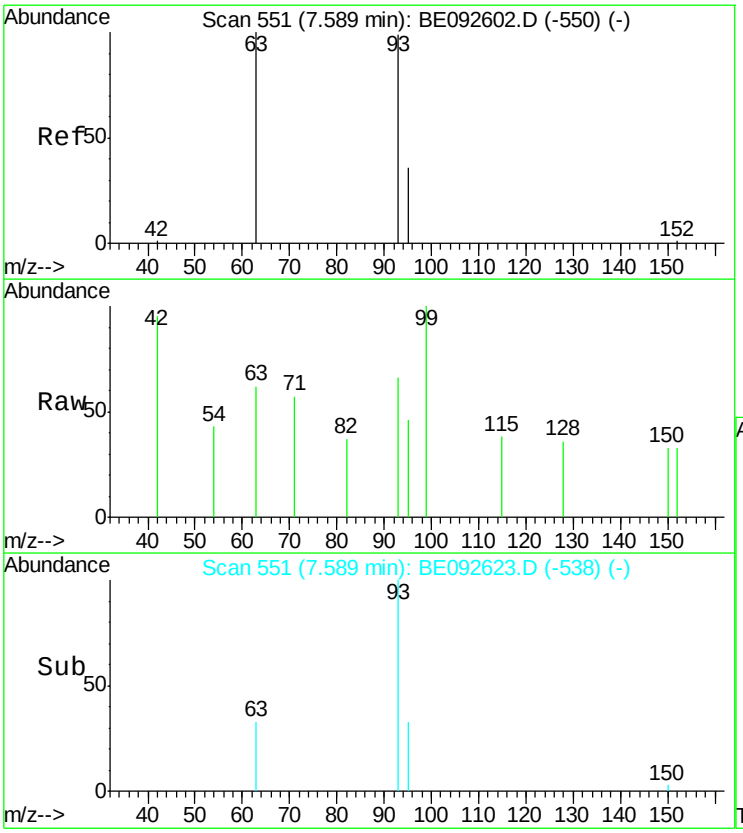
#5
Phenol-d6
Concen: 7.54 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.07 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion: 99 Resp: 26834

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	34.0	30.6	45.8

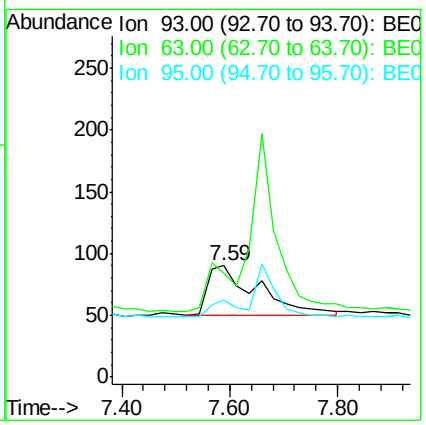


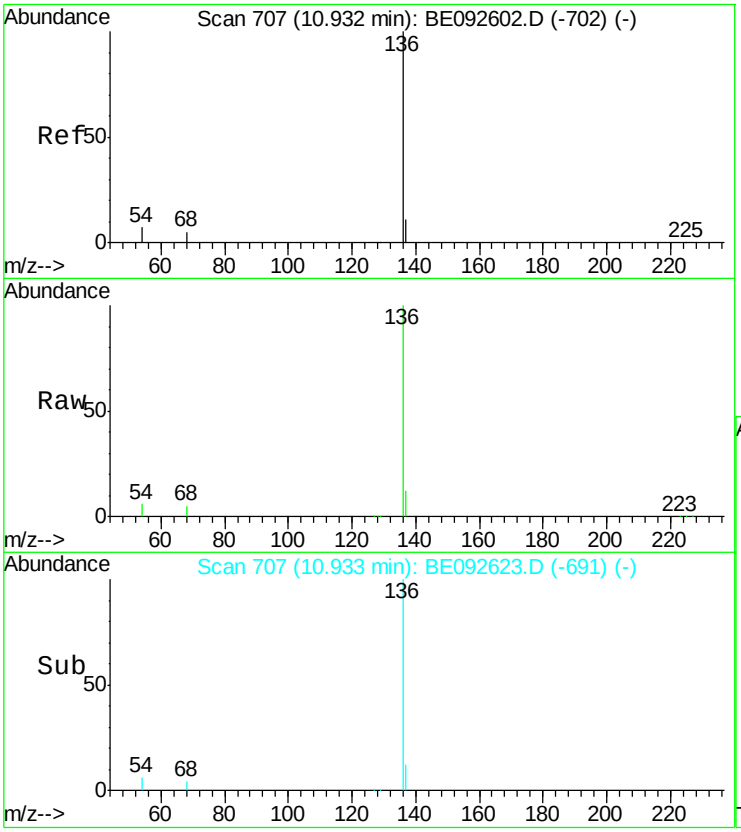


#6
bis(2-Chloroethyl)ether
Concen: 0.18 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion: 93 Resp: 260

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	0.0	24.0	36.0#



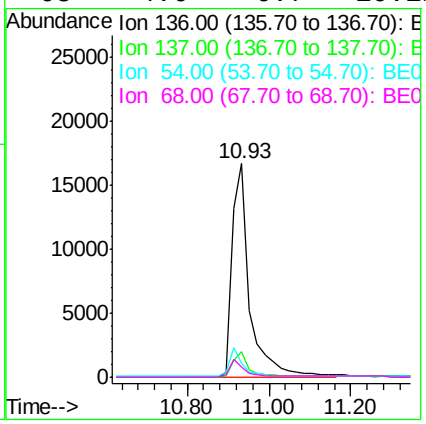


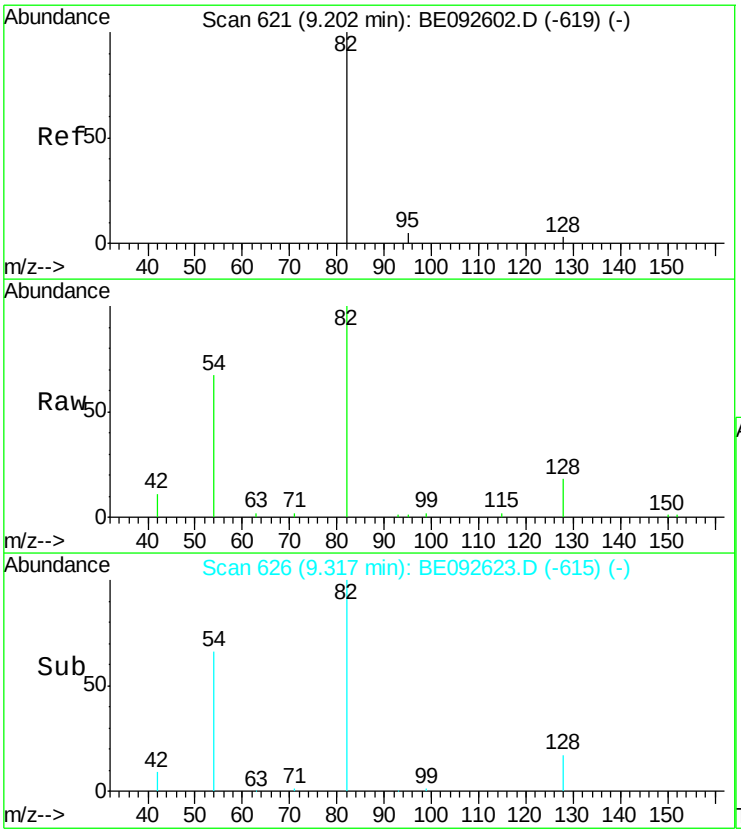
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:136 Resp: 49589

Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.2	12.4
54	6.3	9.6	14.4#
68	4.6	6.7	10.1#

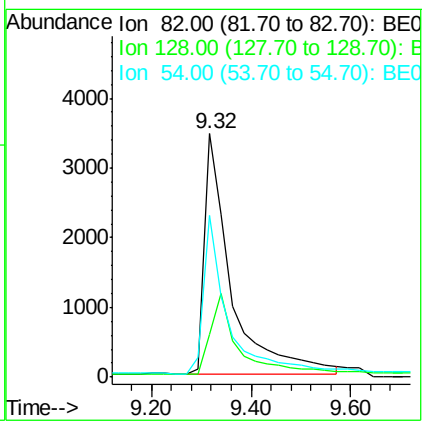


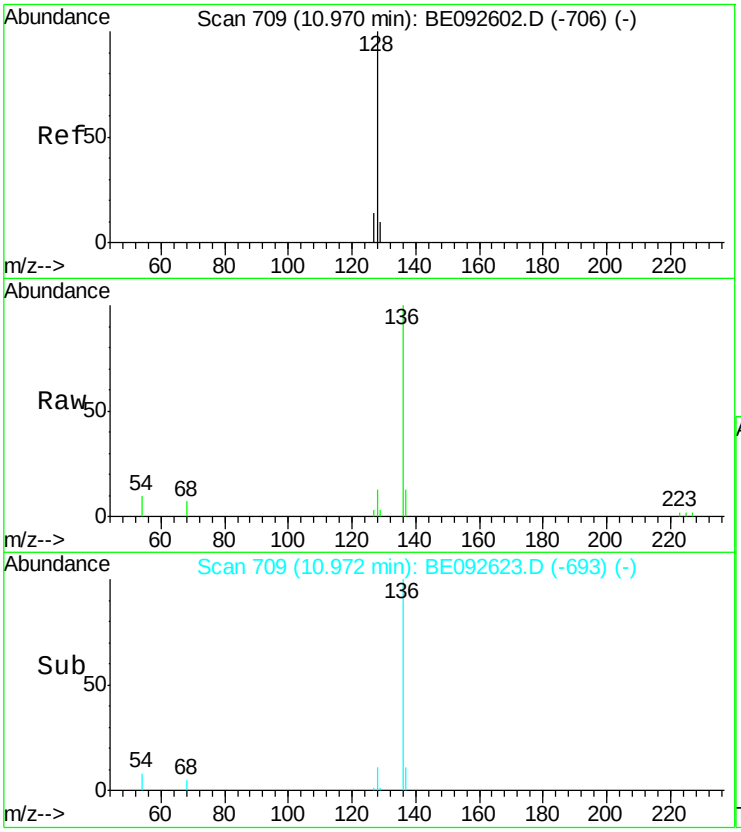


#8
Nitrobenzene-d5
Concen: 3.75 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion: 82 Resp: 12721

Ion	Ratio	Lower	Upper
82	100		
128	17.8	39.0	58.4#
54	66.6	44.8	67.2



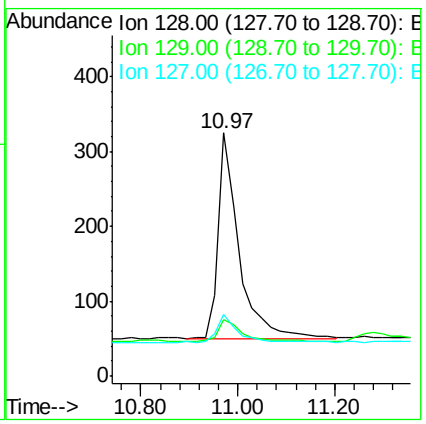


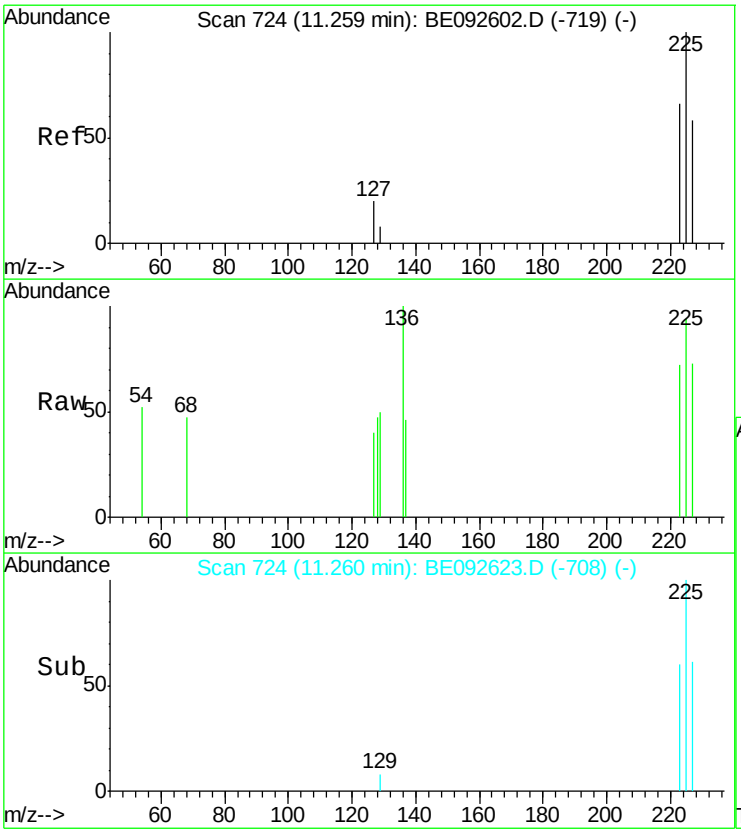
#9
Naphthalene
Concen: 0.08 ng
RT: 10.97 min Scan# 709
Delta R.T. 0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:128 Resp: 815

Ion	Ratio	Lower	Upper
128	100		
129	23.4	11.2	16.8#
127	25.5	11.6	17.4#

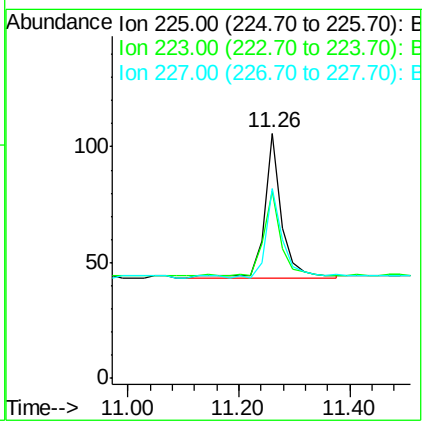


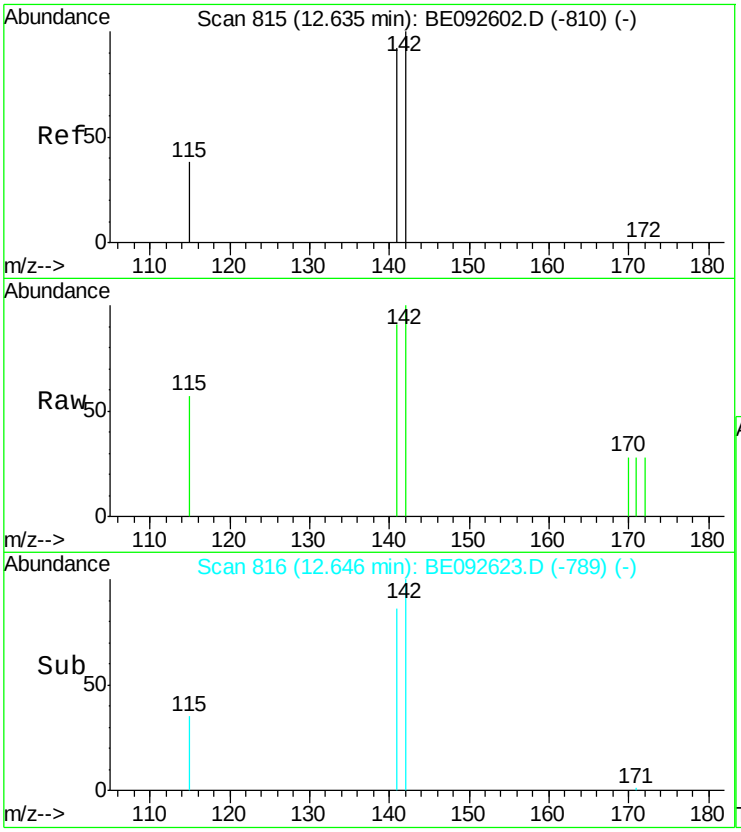


#10
Hexachlorobutadiene
Concen: 0.09 ng
RT: 11.26 min Scan# 724
Delta R.T. 0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:225 Resp: 140

Ion	Ratio	Lower	Upper
225	100		
223	57.9	50.6	76.0
227	65.0	51.4	77.0



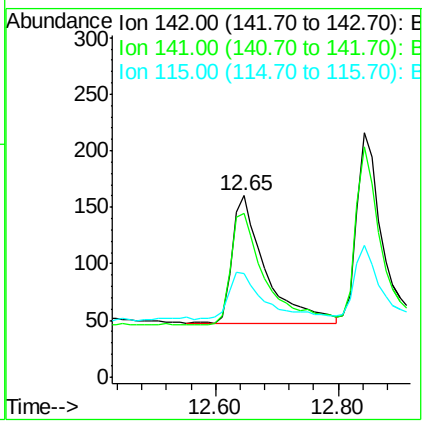


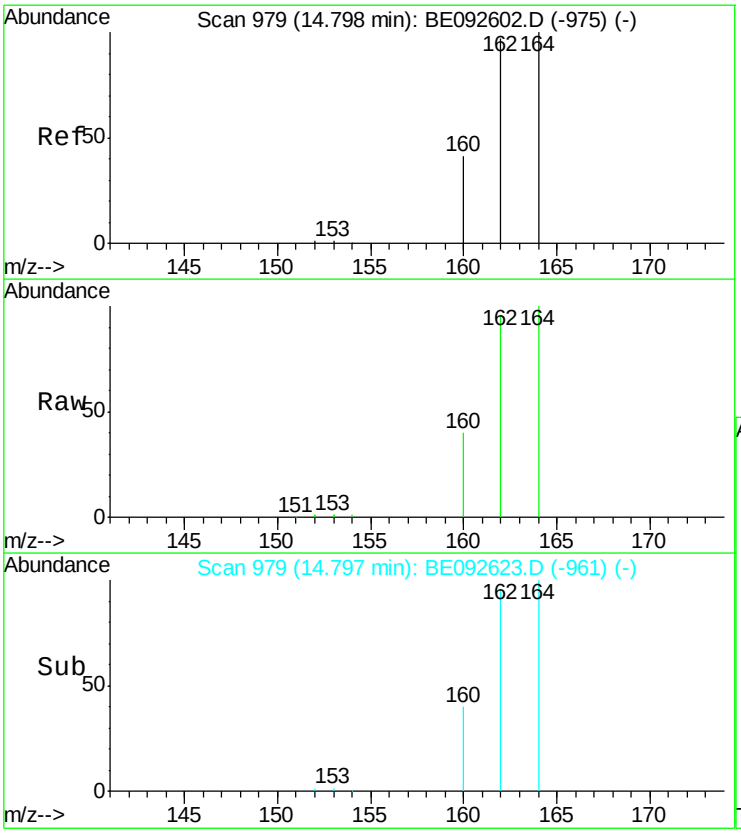
#11
2-Methylnaphthalene
Concen: 0.07 ng
RT: 12.65 min Scan# 816
Delta R.T. 0.01 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:142 Resp: 433

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.7	110.5
115	56.9	34.0	51.0#

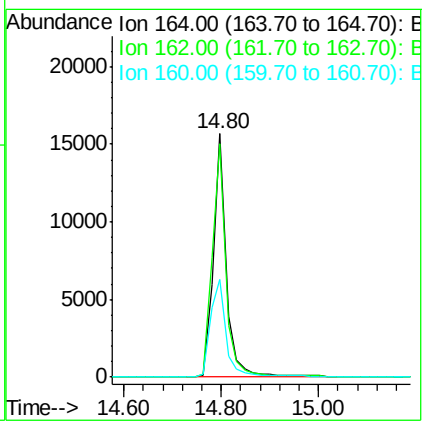


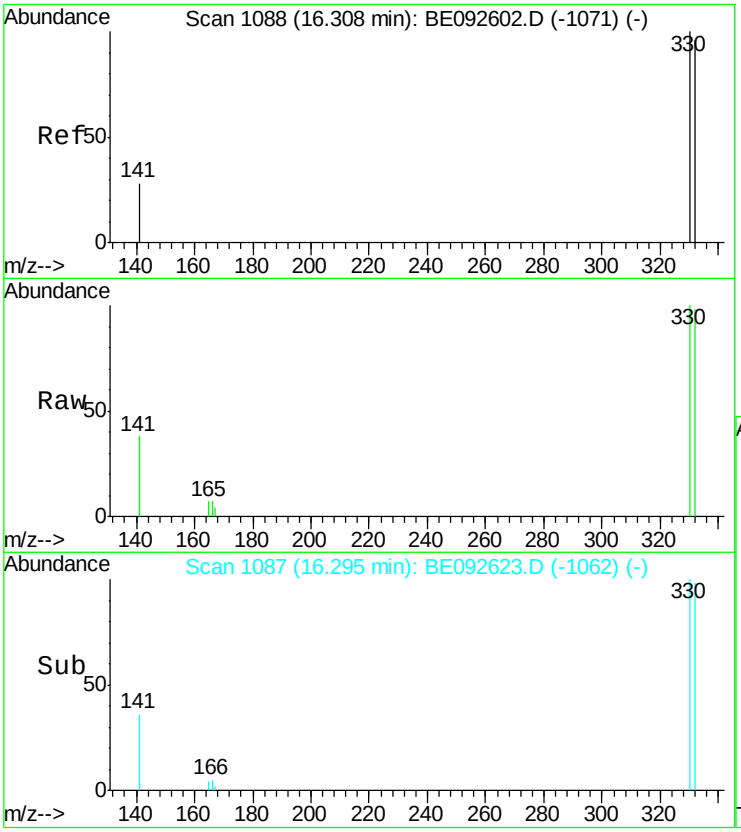


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. -0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:164 Resp: 28485

Ion	Ratio	Lower	Upper
164	100		
162	95.7	71.4	107.0
160	40.4	27.4	41.2



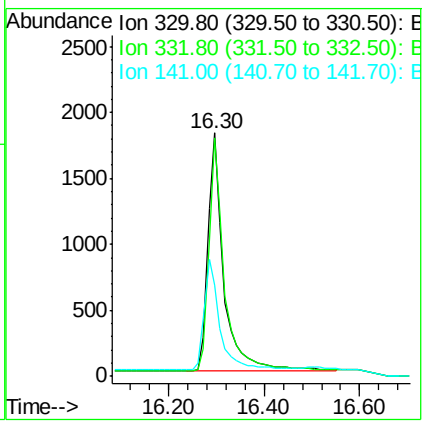


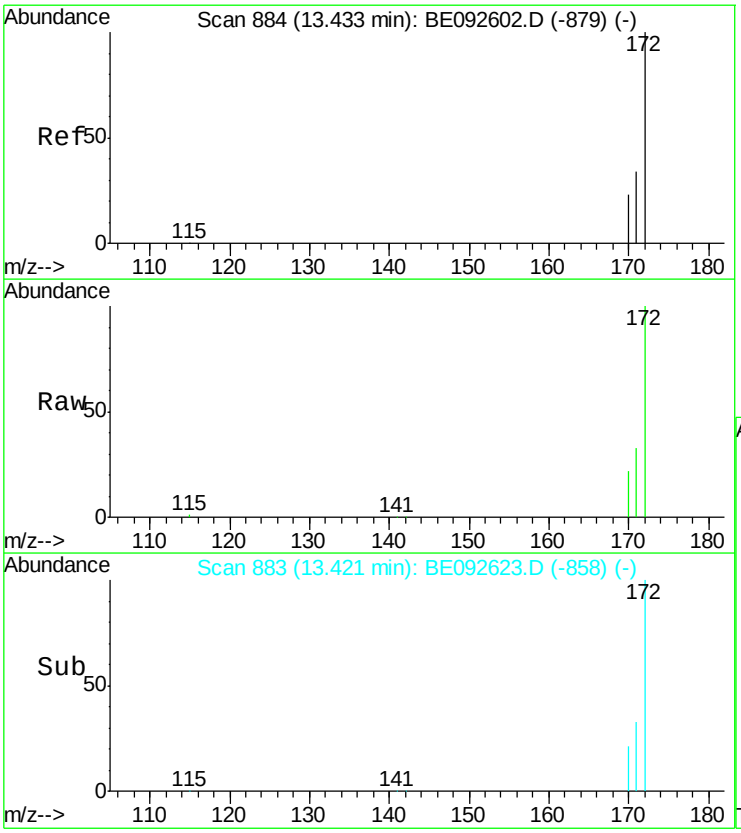
#13
2,4,6-Tribromophenol
Concen: 5.22 ng
RT: 16.30 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:330 Resp: 4241

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	46.1	31.0	46.6

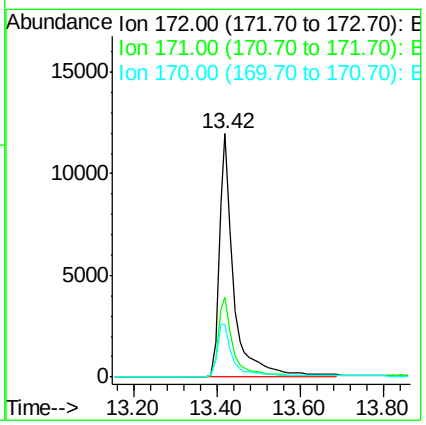


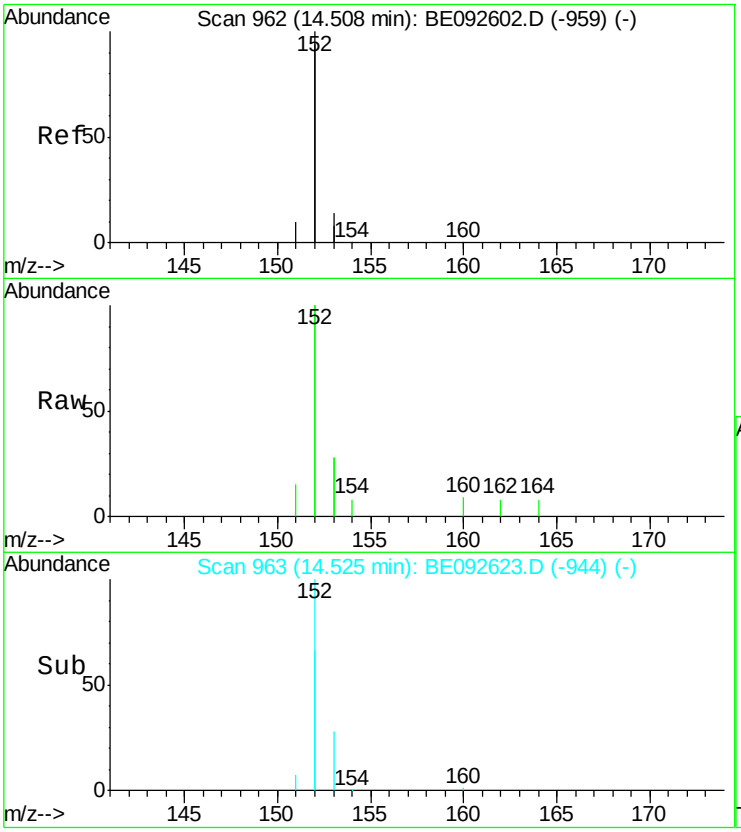


#14
2-Fluorobiphenyl
Concen: 4.17 ng
RT: 13.42 min Scan# 883
Delta R.T. -0.01 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:172 Resp: 28390

Ion	Ratio	Lower	Upper
172	100		
171	33.0	30.1	45.1
170	21.6	21.8	32.6#



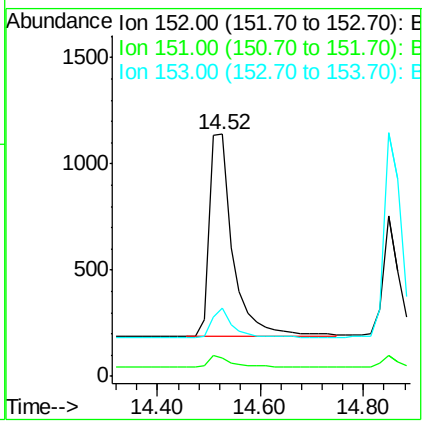


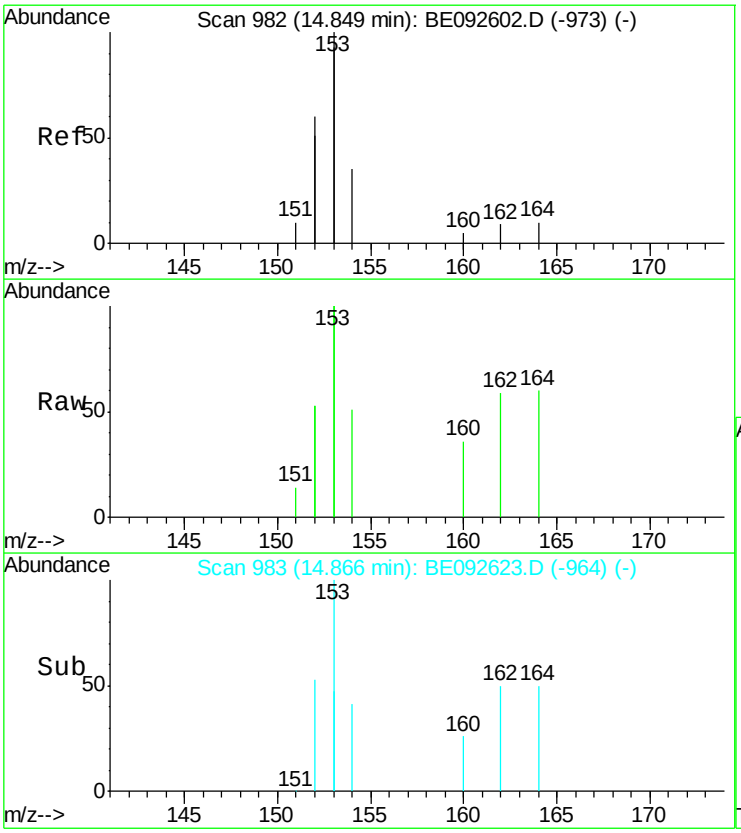
#15
Acenaphthylene
Concen: 0.08 ng
RT: 14.52 min Scan# 963
Delta R.T. 0.02 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:152 Resp: 3007

Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.9	5.9
153	13.2	10.4	15.6

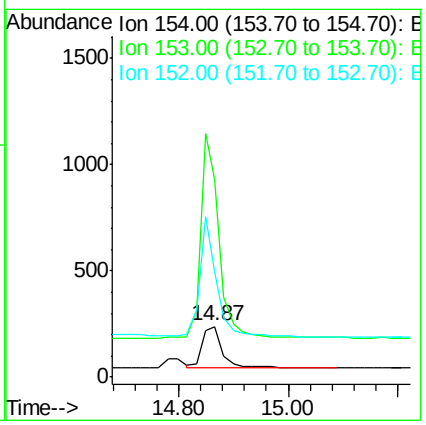


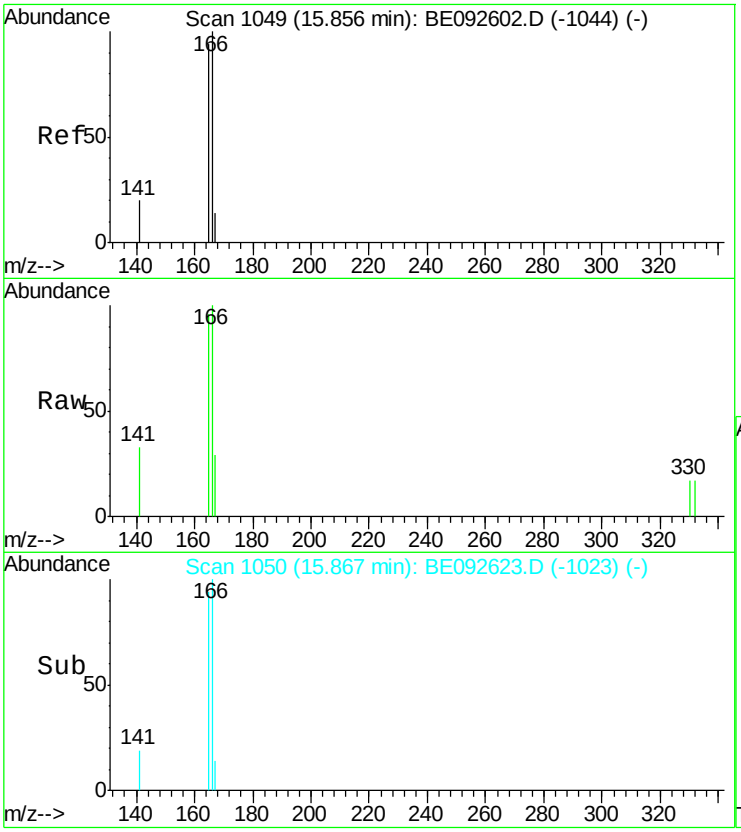


#16
Acenaphthene
Concen: 0.08 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.02 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:154 Resp: 495

Ion	Ratio	Lower	Upper
154	100		
153	457.2	350.8	526.2
152	254.3	171.1	256.7



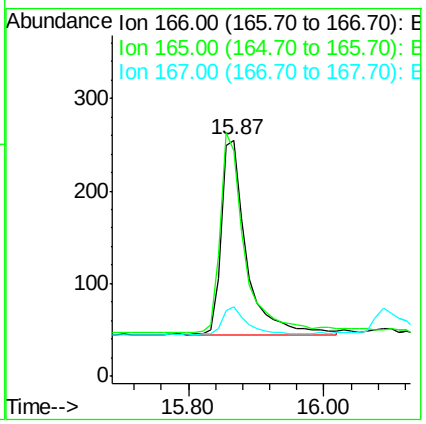


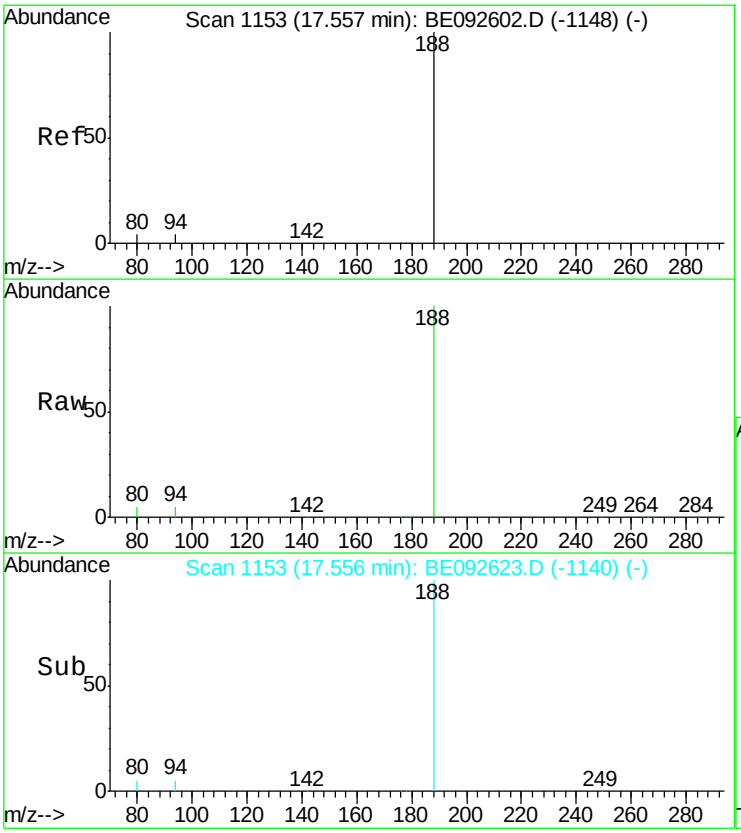
#17
Fluorene
Concen: 0.07 ng
RT: 15.87 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:166 Resp: 551

Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.2	117.4
167	14.2	11.0	16.4

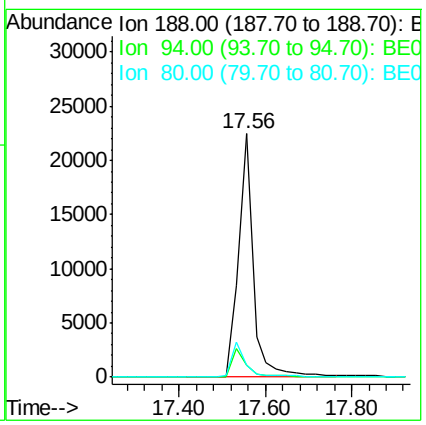


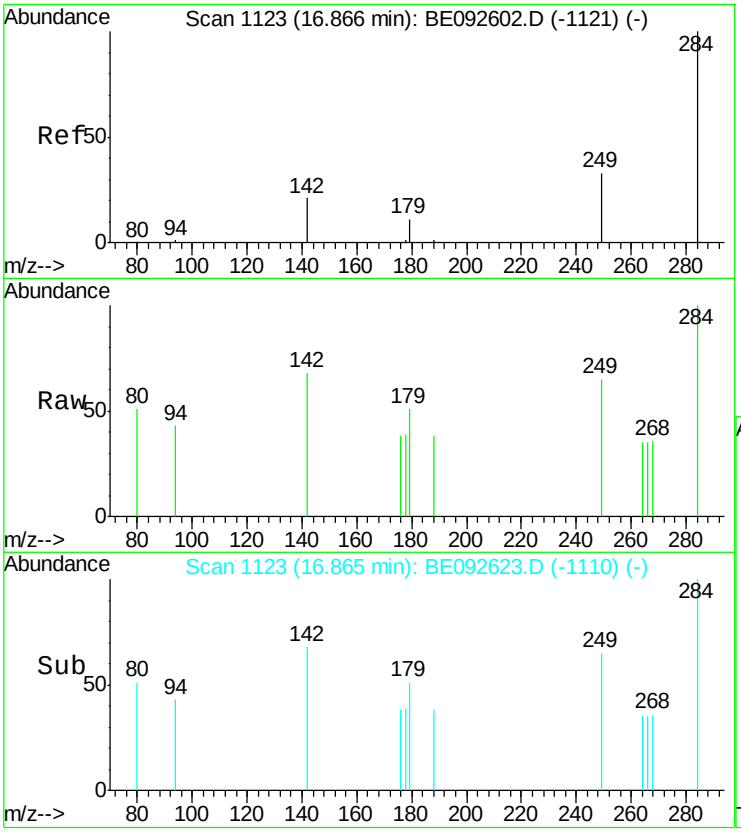


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:188 Resp: 52543

Ion	Ratio	Lower	Upper
188	100		
94	5.0	3.2	4.8#
80	4.8	2.6	3.8#



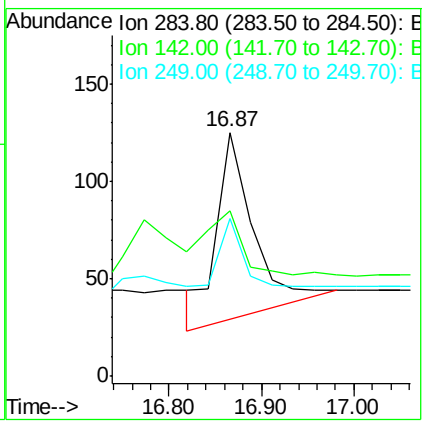


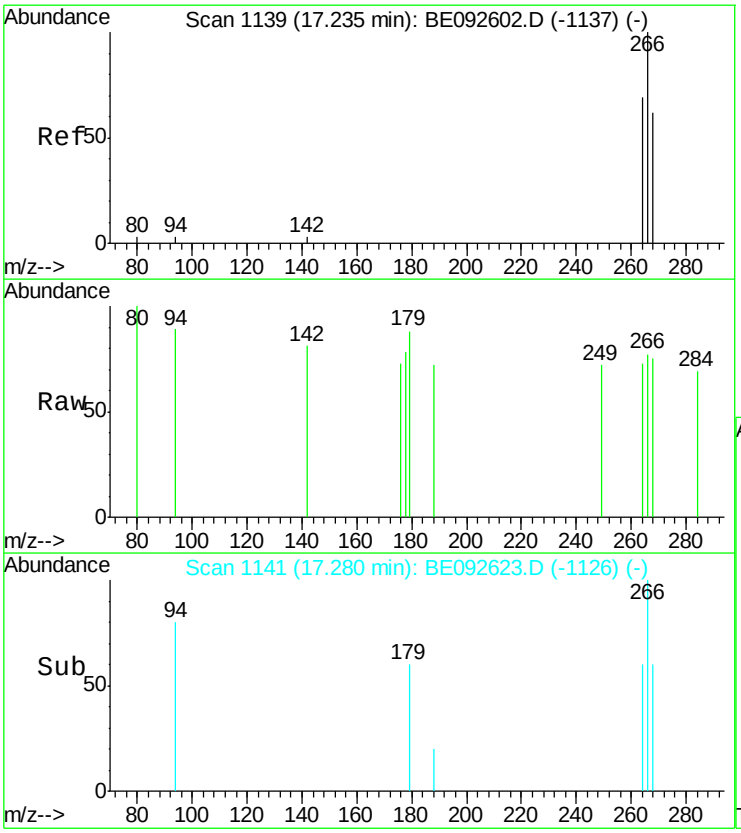
#19
Hexachlorobenzene
Concen: 0.12 ng
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:284 Resp: 272

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	87.5	27.9	41.9#

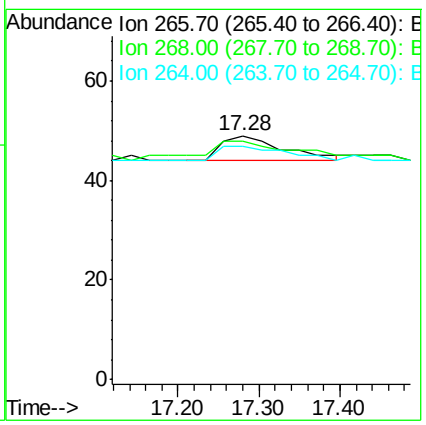


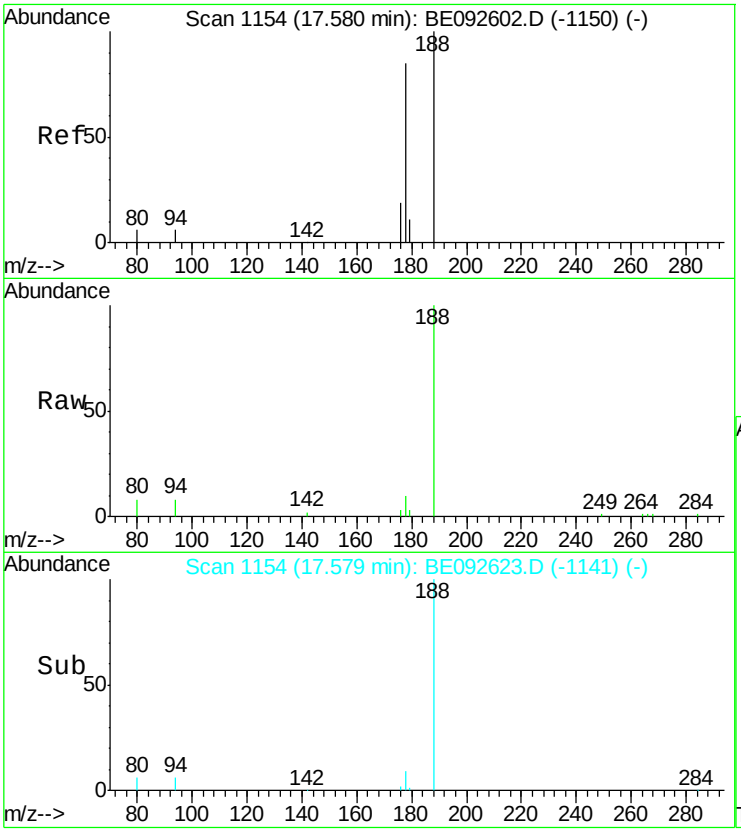


#20
Pentachlorophenol
Concen: 0.07 ng
RT: 17.28 min Scan# 1141
Delta R.T. 0.05 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:266 Resp: 26

Ion	Ratio	Lower	Upper
266	100		
268	98.0	62.5	93.7#
264	95.9	57.2	85.8#



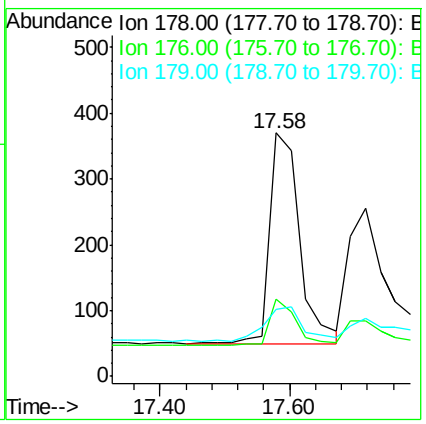


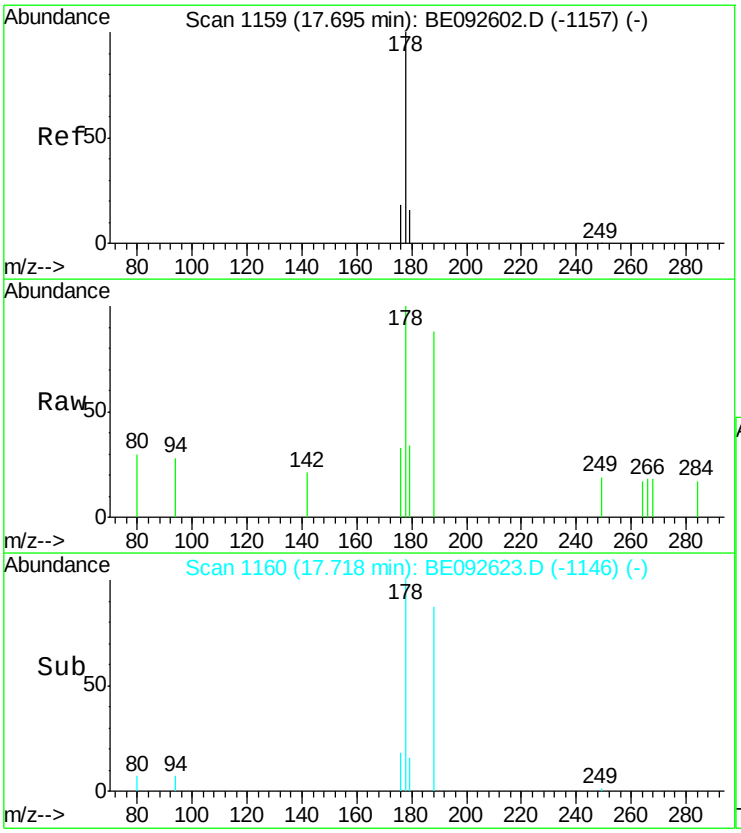
#21
Phenanthrene
Concen: 0.08 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:178 Resp: 1034

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	0.0	16.0	24.0#

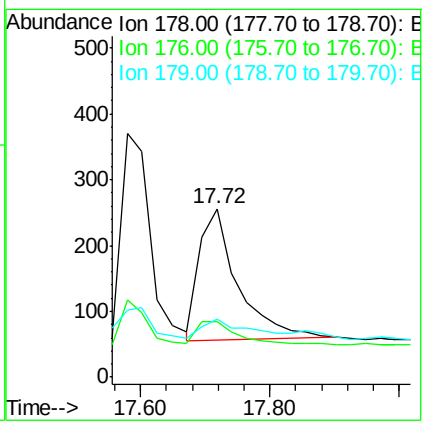


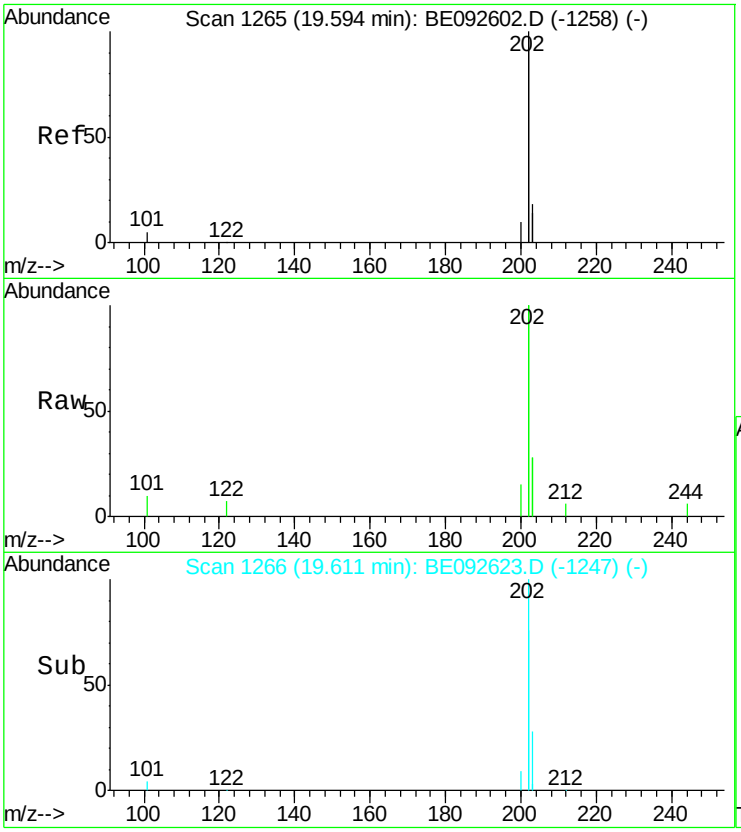


#22
Anthracene
Concen: 0.07 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:178 Resp: 820

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.0	22.4#
179	22.9	12.2	18.2#



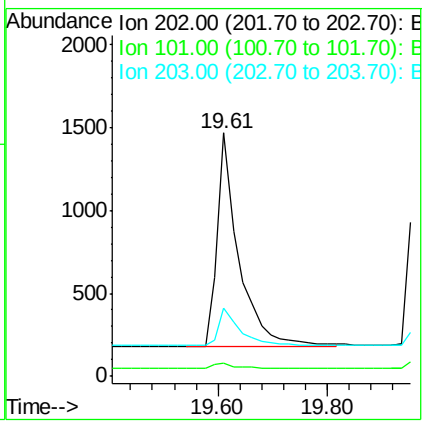


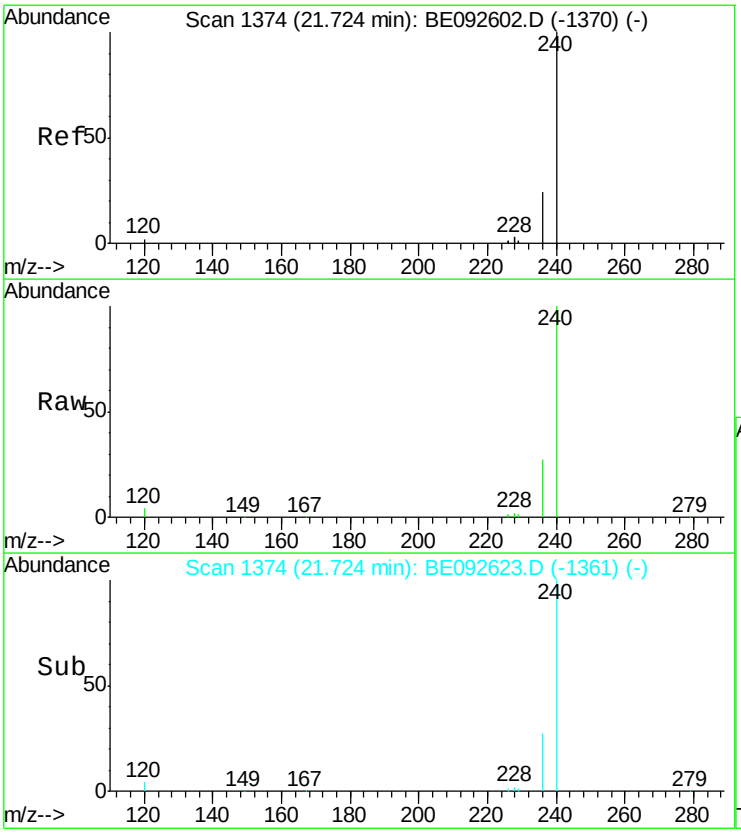
#23
Fluoranthene
Concen: 0.06 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.02 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:202 Resp: 3535

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.8	13.7	20.5

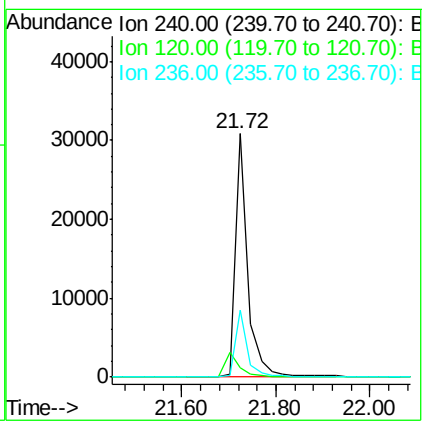


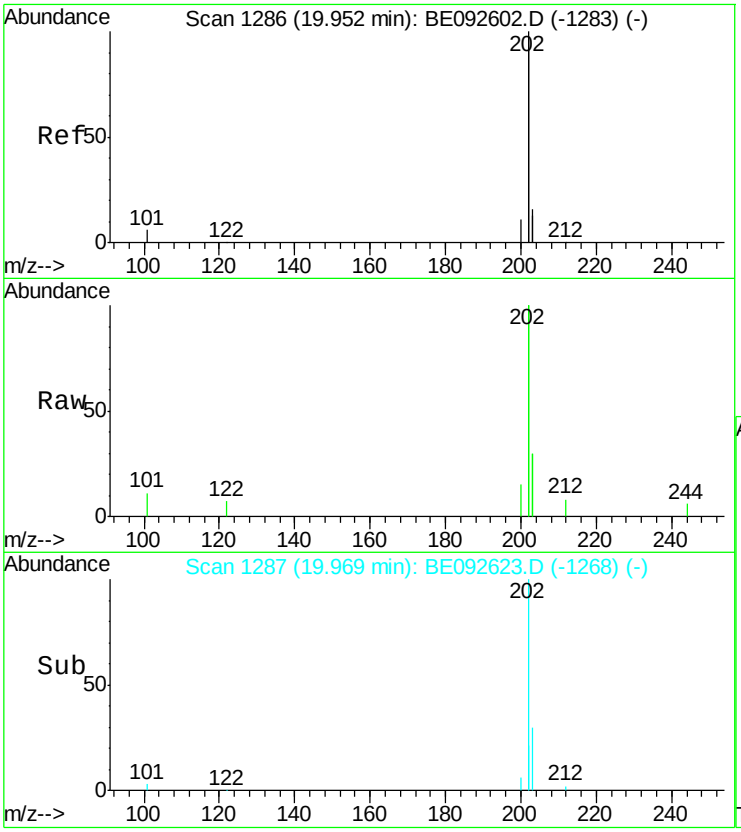


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:240 Resp: 56463

Ion	Ratio	Lower	Upper
240	100		
120	4.0	2.6	4.0#
236	27.4	24.6	37.0



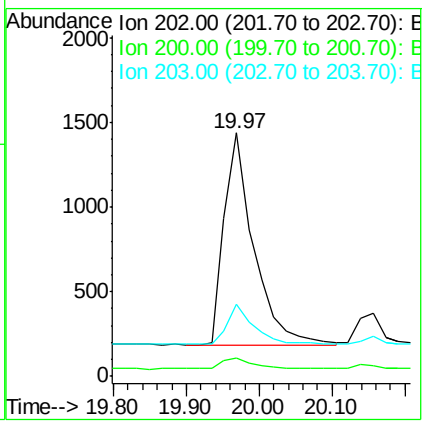


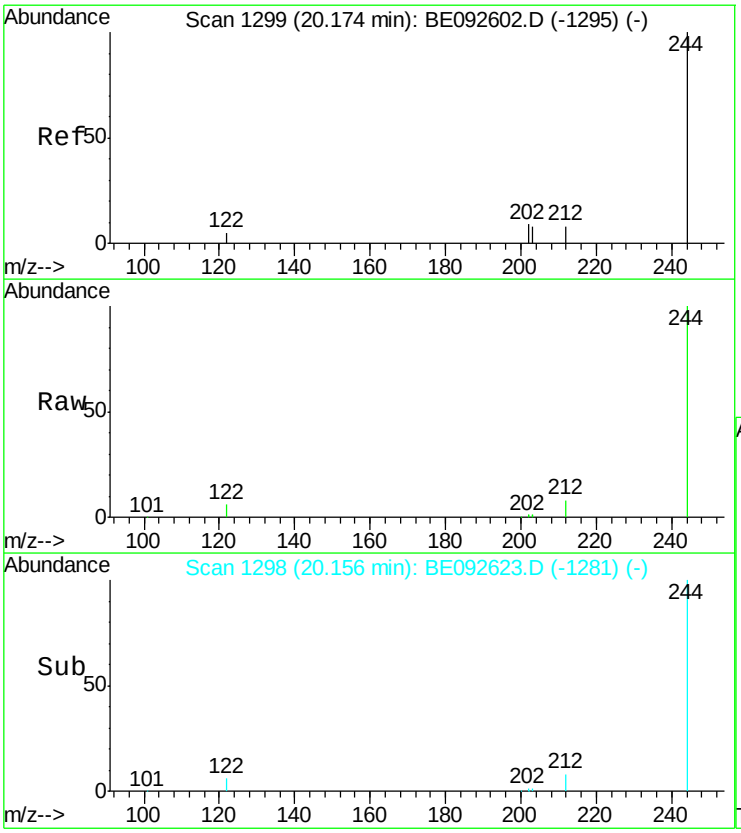
#25
Pyrene
Concen: 0.07 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.02 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:202 Resp: 3543

Ion	Ratio	Lower	Upper
202	100		
200	5.6	4.2	6.4
203	17.4	13.9	20.9

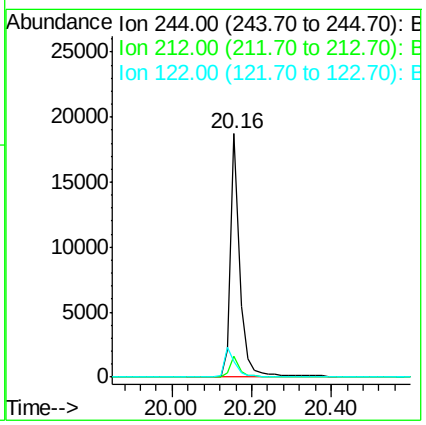


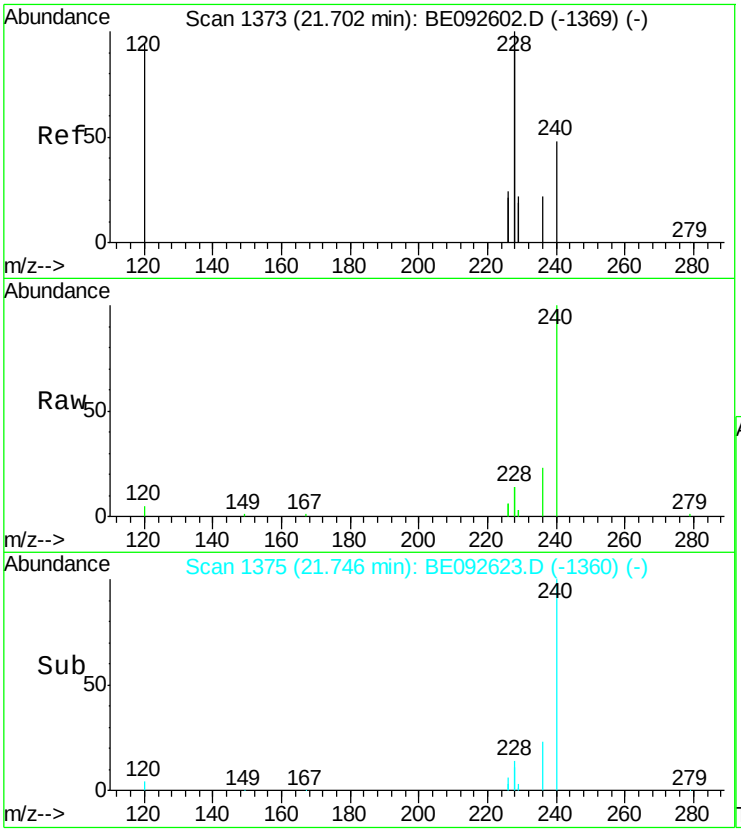


#26
Terphenyl-d14
Concen: 4.31 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:244 Resp: 29811

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.7	10.1
122	6.2	3.6	5.4#



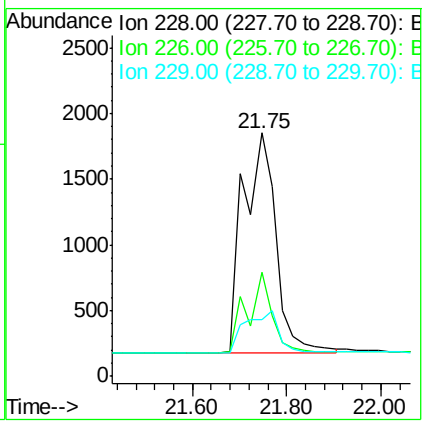


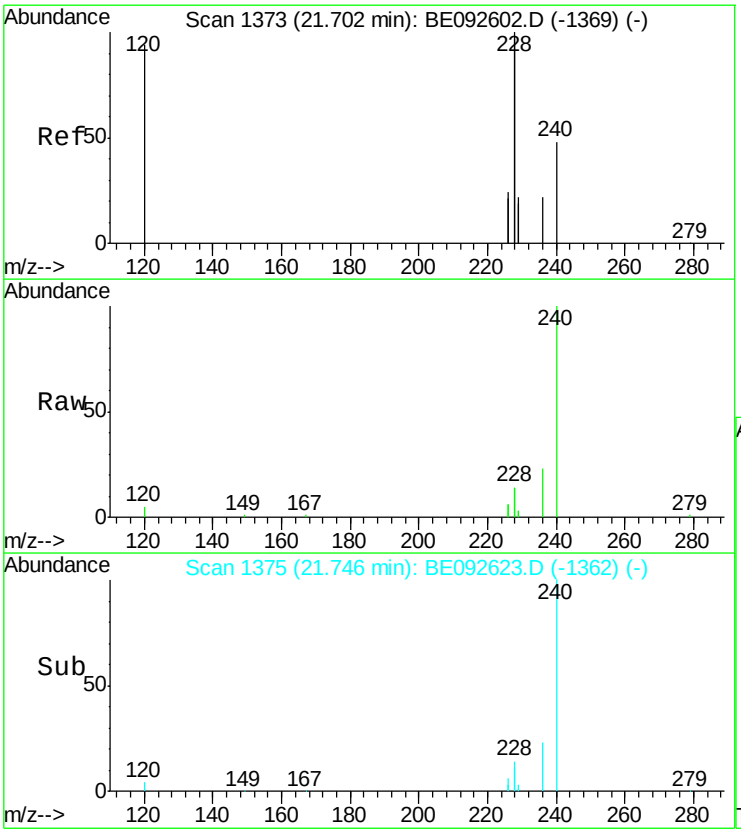
#27
Benzo(a)anthracene
Concen: 0.16 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.04 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:228 Resp: 8148

Ion	Ratio	Lower	Upper
228	100		
226	42.5	23.6	35.4#
229	23.3	13.3	19.9#

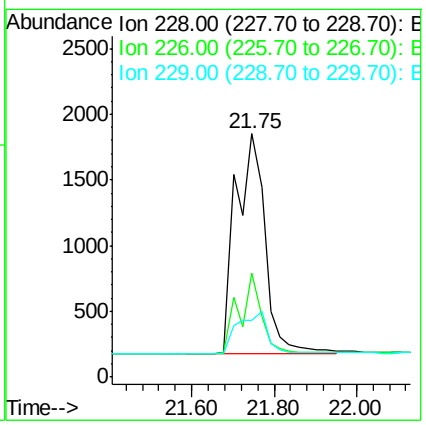


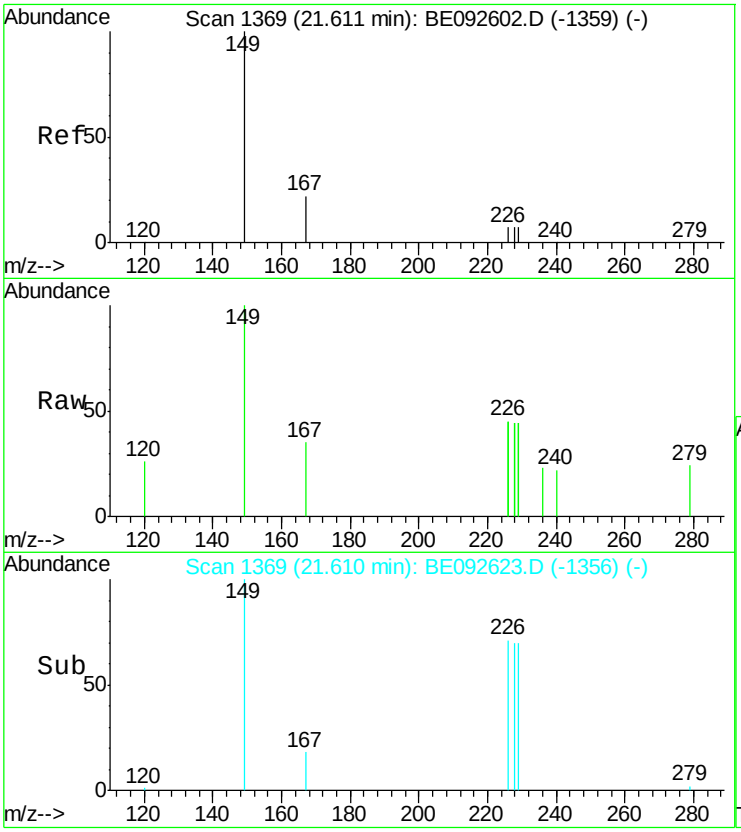


#28
Chrysene
Concen: 0.14 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:228 Resp: 8208

Ion	Ratio	Lower	Upper
228	100		
226	42.5	36.3	54.5
229	23.3	10.6	16.0#



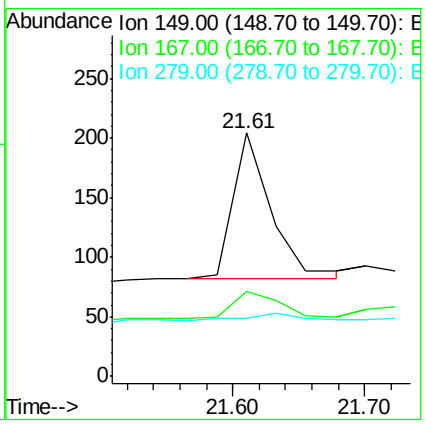


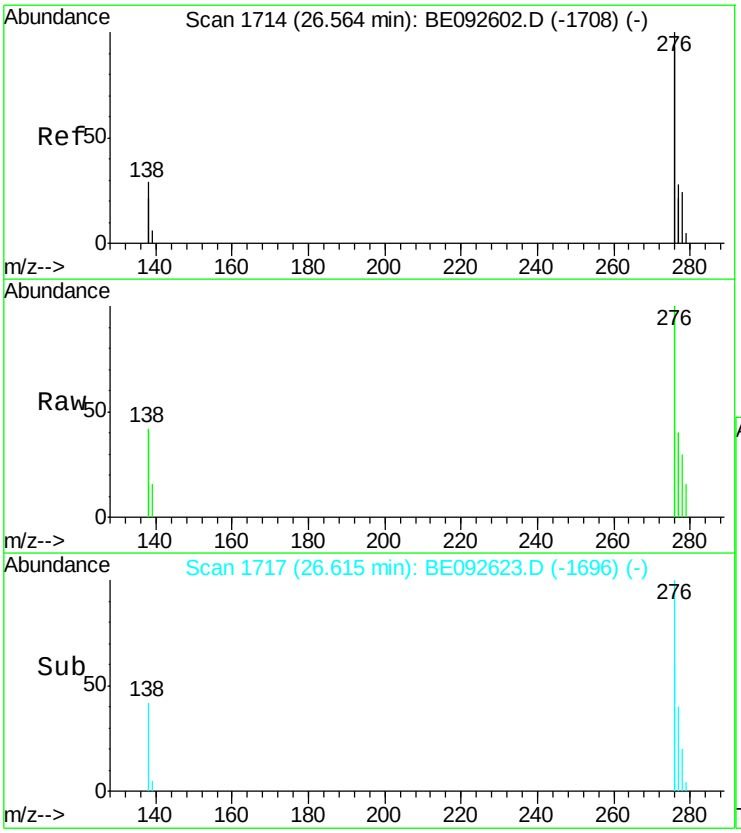
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.11 ng
RT: 21.61 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:149 Resp: 246

Ion	Ratio	Lower	Upper
149	100		
167	22.8	16.0	24.0
279	0.0	16.0	24.0#

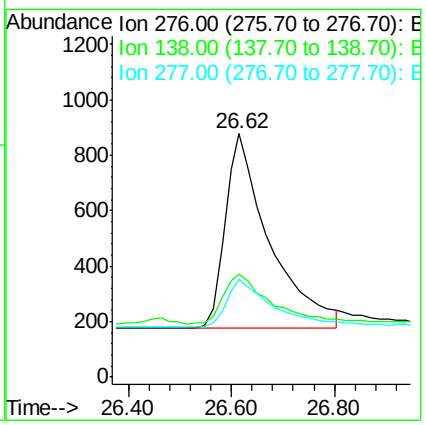


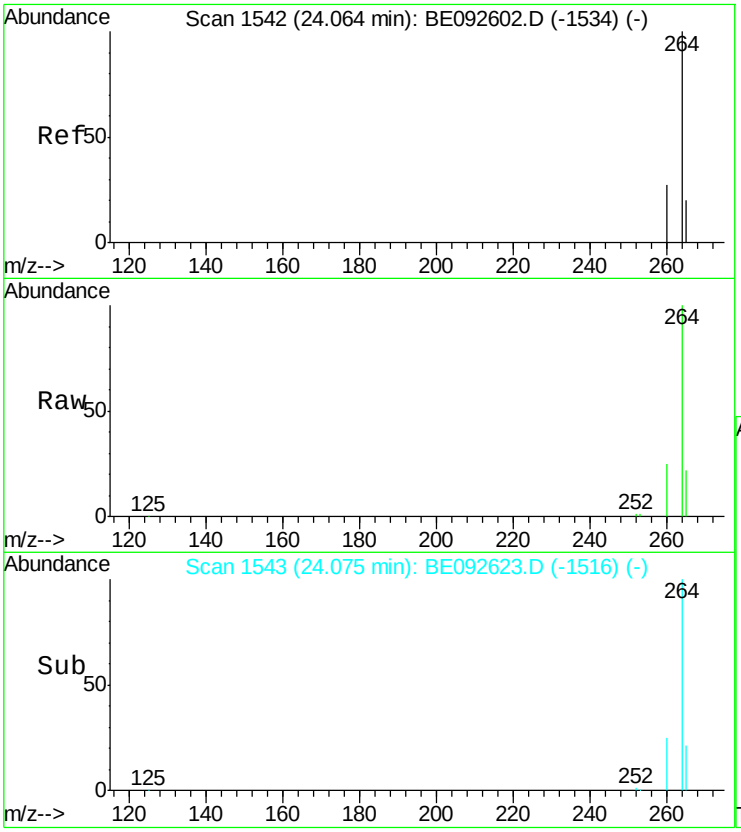


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.05 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:276 Resp: 4202

Ion	Ratio	Lower	Upper
276	100		
138	27.1	20.3	30.5
277	24.8	19.7	29.5



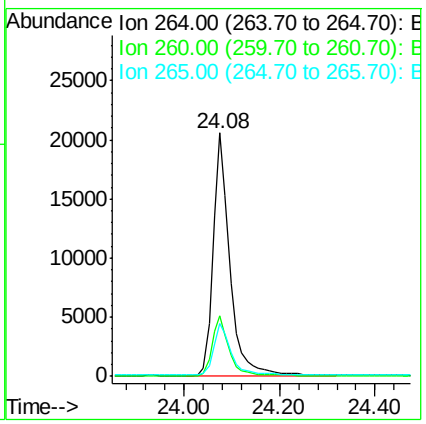


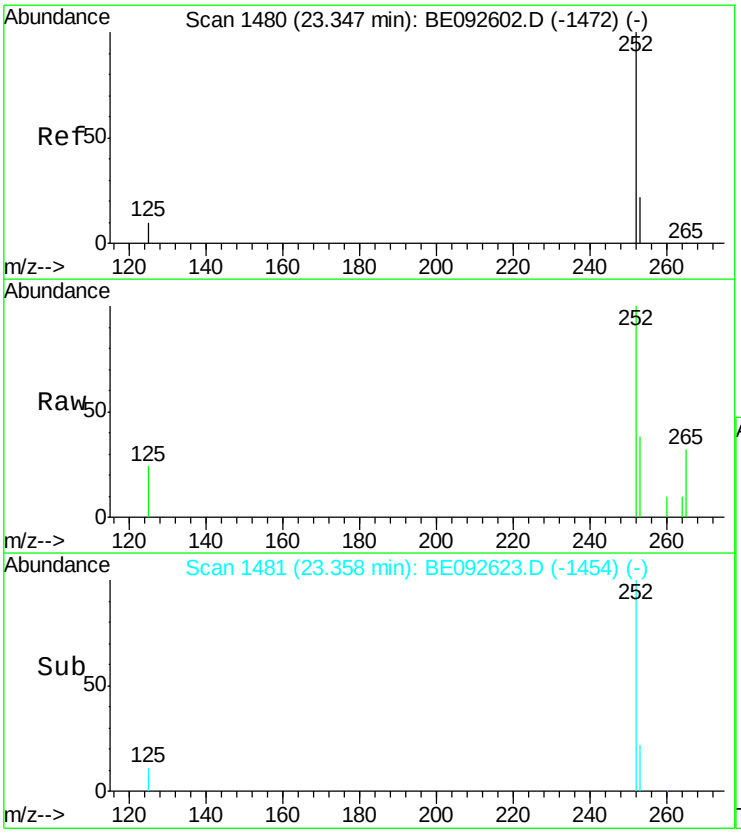
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. 0.01 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:264 Resp: 50482

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.1	30.1
265	21.6	17.9	26.9

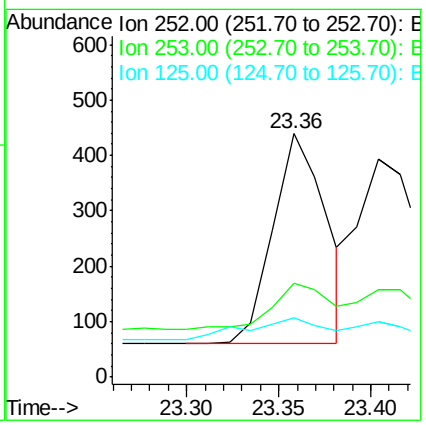


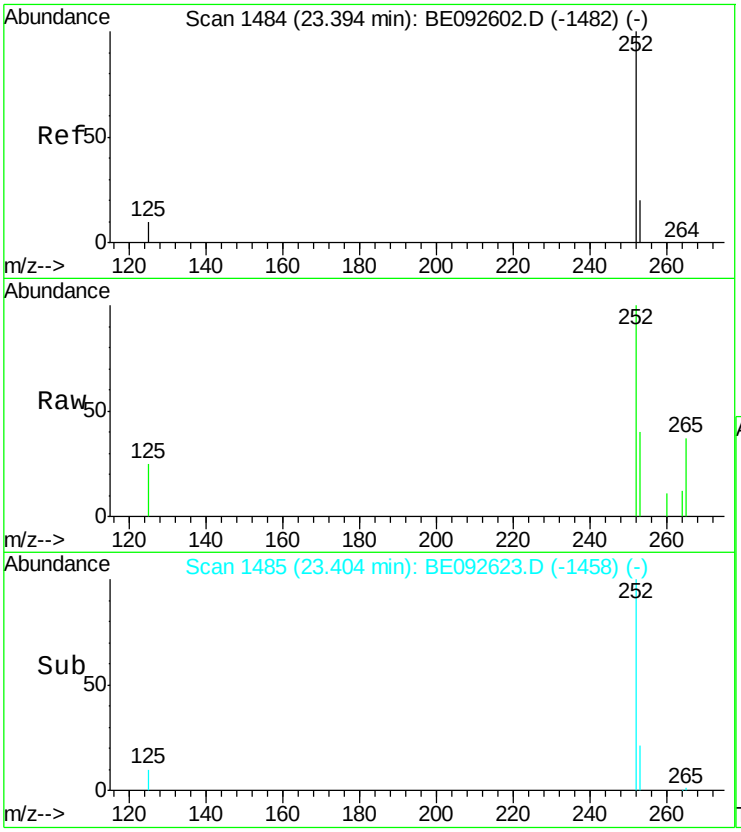


#32
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 23.36 min Scan# 1481
Delta R.T. 0.01 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:252 Resp: 762

Ion	Ratio	Lower	Upper
252	100		
253	38.5	18.7	28.1#
125	24.4	10.5	15.7#



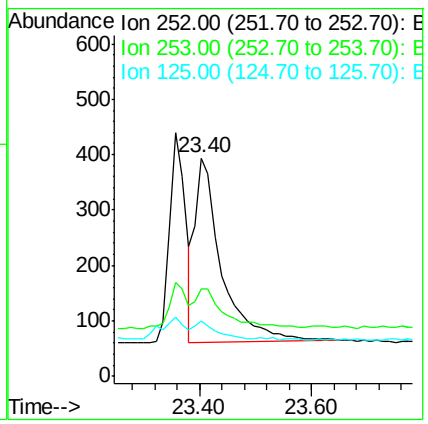


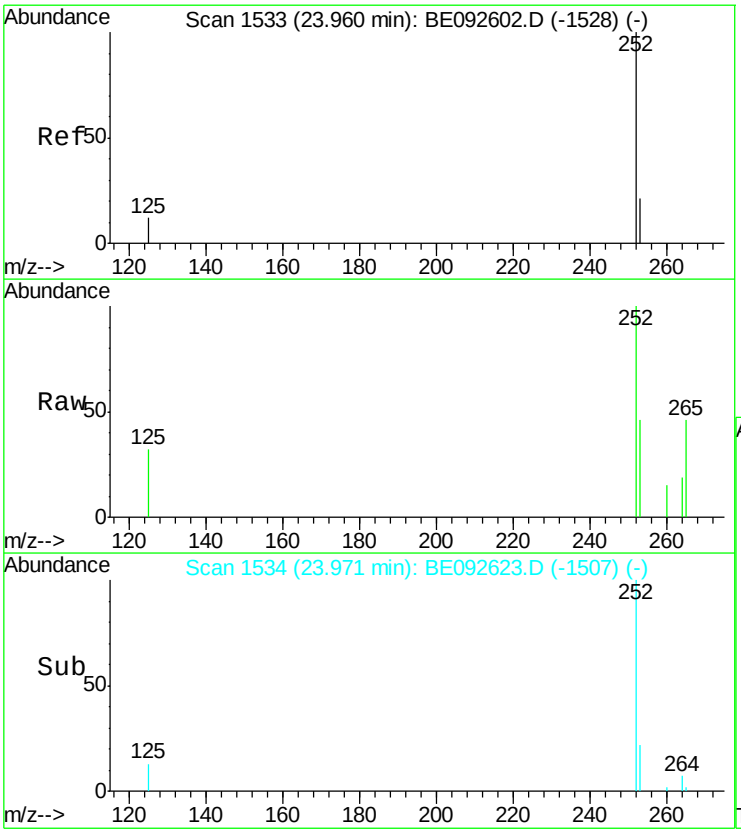
#33
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 23.40 min Scan# 1485
Delta R.T. 0.01 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:252 Resp: 1063

Ion	Ratio	Lower	Upper
252	100		
253	40.4	20.3	30.5#
125	25.4	9.6	14.4#

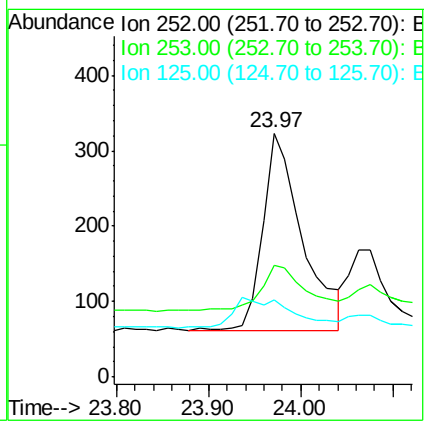


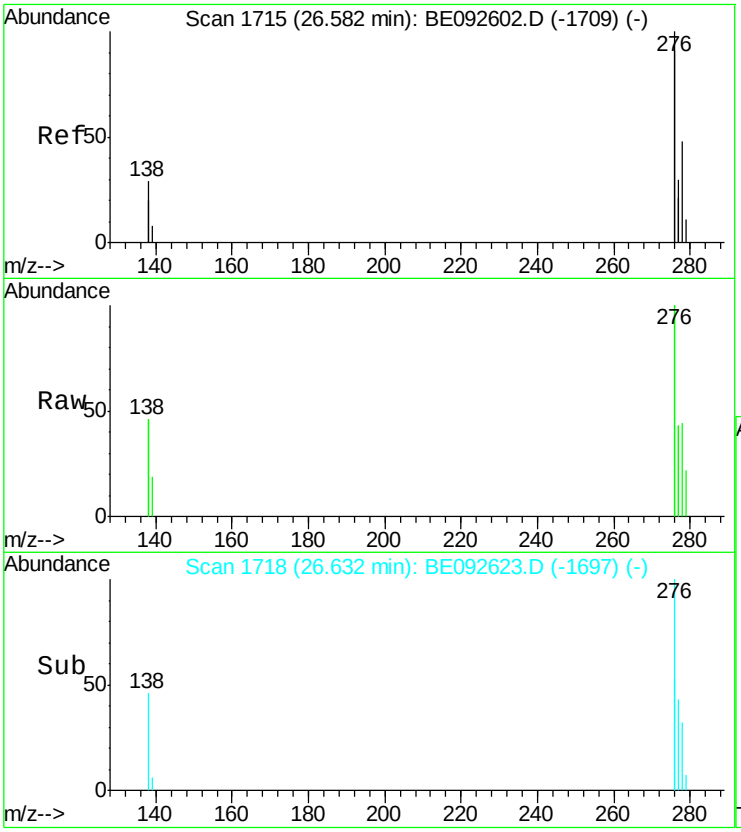


#34
Benzo(a)pyrene
Concen: 0.07 ng
RT: 23.97 min Scan# 1534
Delta R.T. 0.01 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:252 Resp: 778

Ion	Ratio	Lower	Upper
252	100		
253	45.8	19.0	28.6#
125	31.6	11.8	17.8#



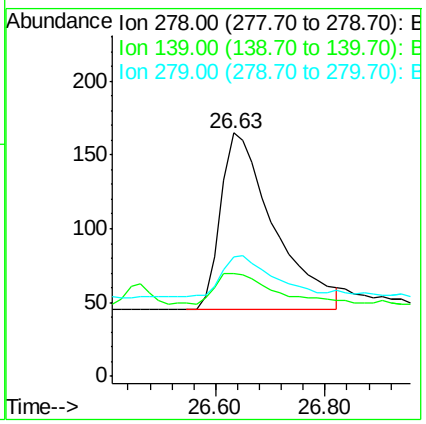


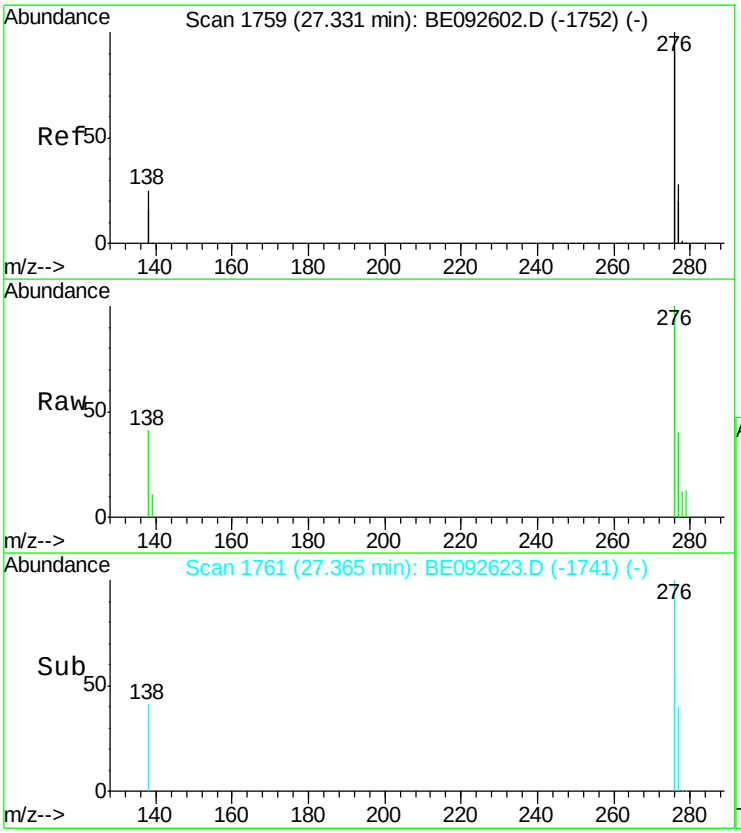
#35
Dibenzo(a,h)anthracene
Concen: 0.08 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.05 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:278 Resp: 813

Ion	Ratio	Lower	Upper
278	100		
139	42.4	13.8	20.8#
279	49.1	21.4	32.2#





#36
Benzo(g,h,i)perylene
Concen: 0.09 ng
RT: 27.37 min Scan# 1761
Delta R.T. 0.03 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion:276 Resp: 3909

Ion	Ratio	Lower	Upper
276	100		
277	39.5	19.8	29.8#
138	40.7	19.8	29.6#