Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE033017\
Data File : BE092872.D
Acq On : 30 Mar 2017 12:40
Operator : SJ/MA
Sample : I2296-01
Misc : LOD 0.1 PPB
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOD-SOIL-01-QT2-2017

Quant Time: Mar 31 01:31:58 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 29 17:47:56 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	6779	5.00	ng		-0.02
7) Naphthalene-d8	10.54	136	30556	5.00	ng		0.00
12) Acenaphthene-d10	14.40	164	14835	5.00	ng		0.00
18) Phenanthrene-d10	17.16	188	32352	5.00	ng		0.00
24) Chrysene-d12	21.28	240	38852	5.00	ng		-0.02
31) Perylene-d12	23.70	264	32485	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	19924	12.62	ng		0.00
5) Phenol-d6	6.94	99	29131	12.58	ng		0.00
8) Nitrobenzene-d5	8.93	82	11249	6.41	ng		0.00
13) 2,4,6-Tribromophenol	15.88	330	3113	13.43	ng		0.00
14) 2-Fluorobiphenyl	13.02	172	35116	7.18	ng		-0.01
26) Terphenyl-d14	19.74	244	40316	6.00	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	122	0.13	ng	#	84
3) n-Nitrosodimethylamine	3.61	42	97	0.10	ng	#	85
6) bis(2-Chloroethyl)ether	7.20	93	236	0.11	ng	#	46
9) Naphthalene	10.58	128	811	0.12	ng	#	85
10) Hexachlorobutadiene	10.89	225	92	0.10	ng		94
11) 2-Methylnaphthalene	12.21	142	432	0.10	ng		98
15) Acenaphthylene	14.11	152	1964	0.09	ng		100
16) Acenaphthene	14.45	154	426	0.11	ng		91
17) Fluorene	15.44	166	500	0.10	ng		99
19) Hexachlorobenzene	16.46	284	144	0.12	ng	#	67
20) Pentachlorophenol	16.81	266	39	0.33	ng	#	81
21) Phenanthrene	17.18	178	988	0.13	ng		96
22) Anthracene	17.27	178	757	0.11	ng		99
23) Fluoranthene	19.18	202	3439	0.09	ng		100
25) Pyrene	19.54	202	3666	0.09	ng		99
27) Benzo(a)anthracene	21.26	228	1033	0.11	ng	#	90
28) Chrysene	21.31	228	1030	0.11	ng	#	81
29) Bis(2-ethylhexyl)phthalate	21.21	149	229	0.07	ng	#	78
30) Indeno(1,2,3-cd)pyrene	26.24	276	2963	0.08	ng	#	93
32) Benzo(b)fluoranthene	22.96	252	799	0.09	ng	#	80
33) Benzo(k)fluoranthene	23.01	252	727	0.09	ng	#	80
34) Benzo(a)pyrene	23.58	252	570	0.08	ng	#	65
35) Dibenzo(a,h)anthracene	26.27	278	626	0.08	ng	#	70
36) Benzo(g,h,i)perylene	27.02	276	2850	0.09	ng	#	70

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

Quantitation Report (QT Reviewed)

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Instrument :
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LOD-SOIL-01-QT2-2017

Quant Time: Mar 31 01:31:58 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 29 17:47:56 2017
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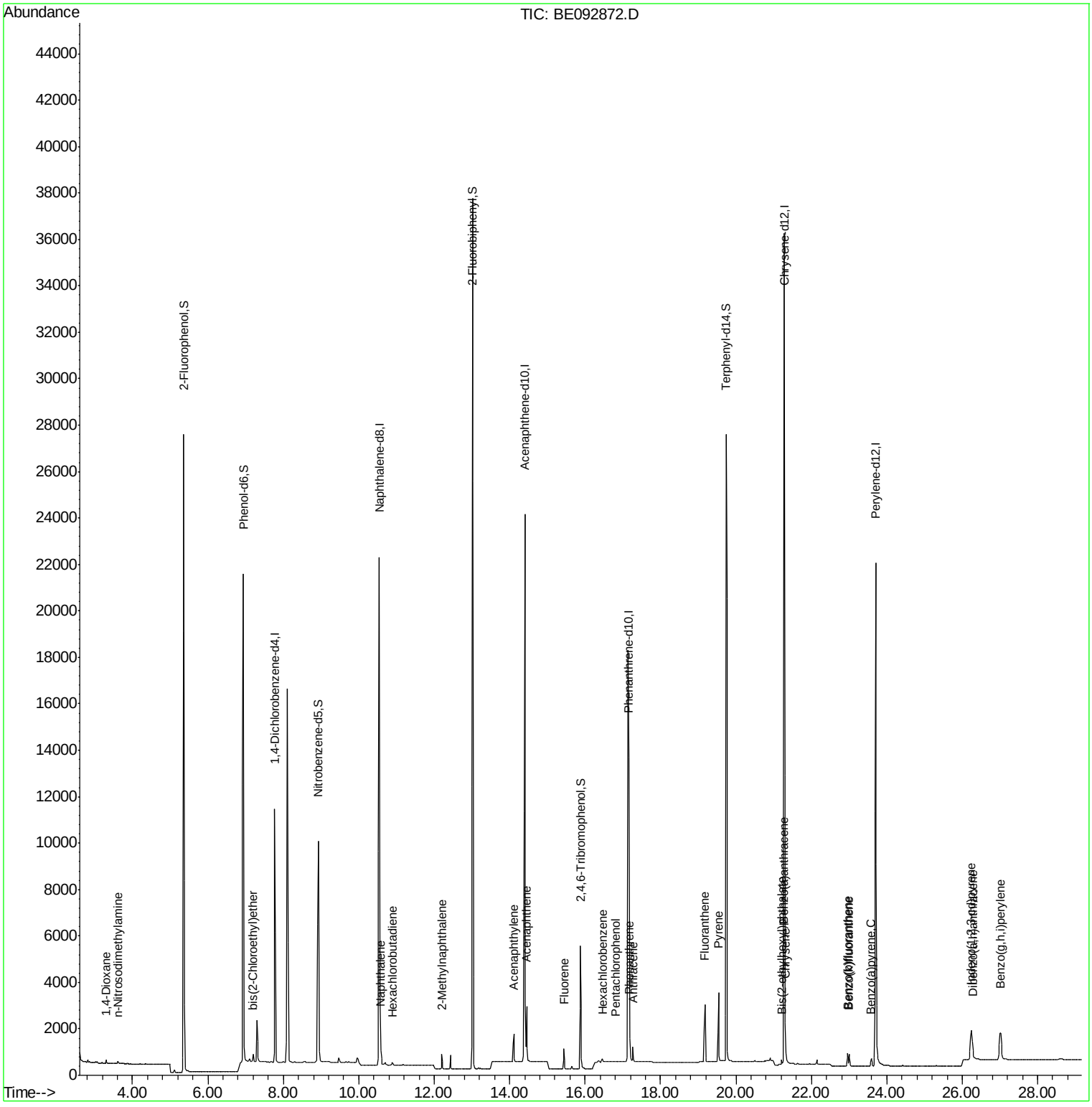
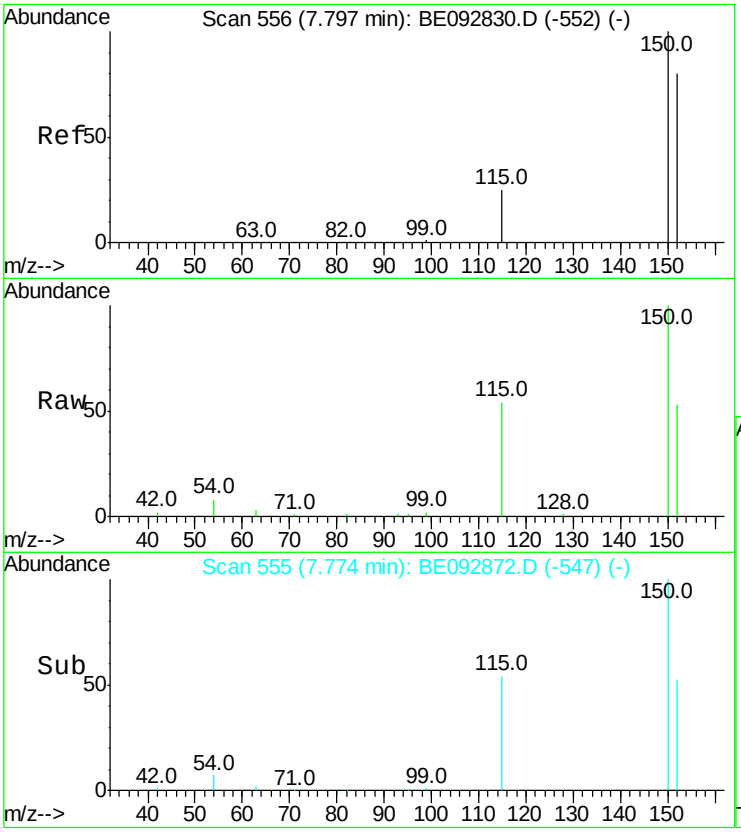


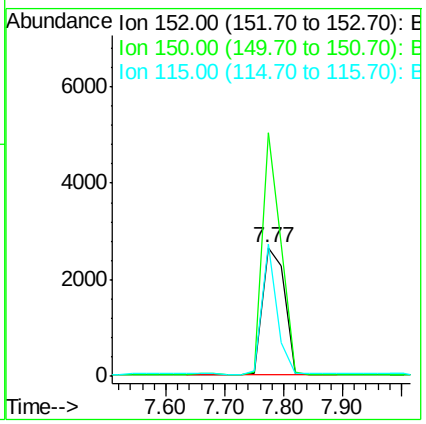


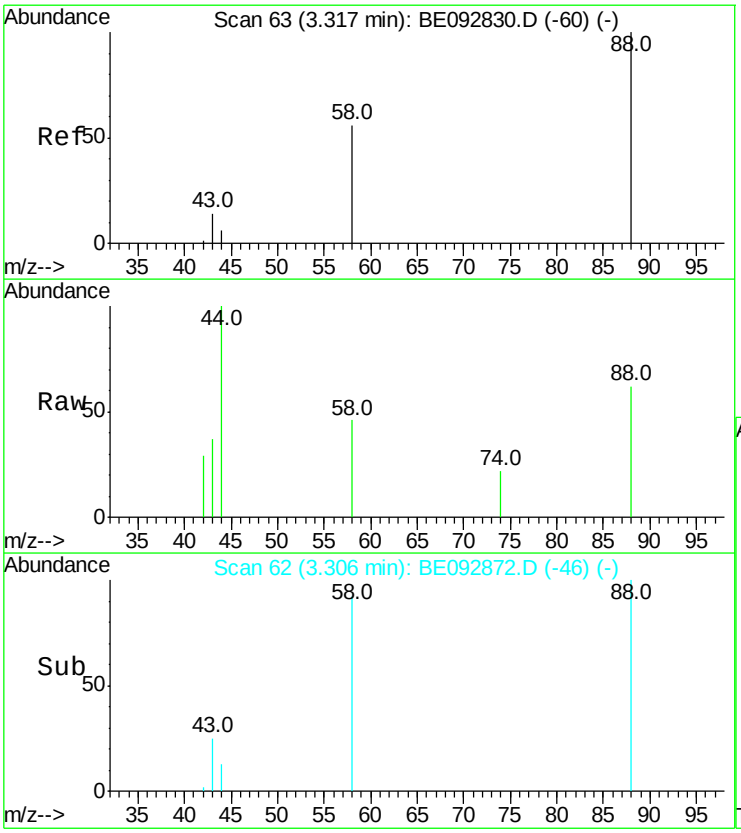
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 555
Delta R.T. -0.02 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:152 Resp: 6779

Ion	Ratio	Lower	Upper
152	100		
150	189.2	106.0	159.0#
115	102.7	31.2	46.8#

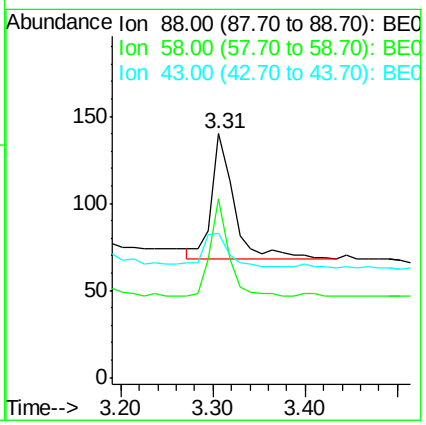


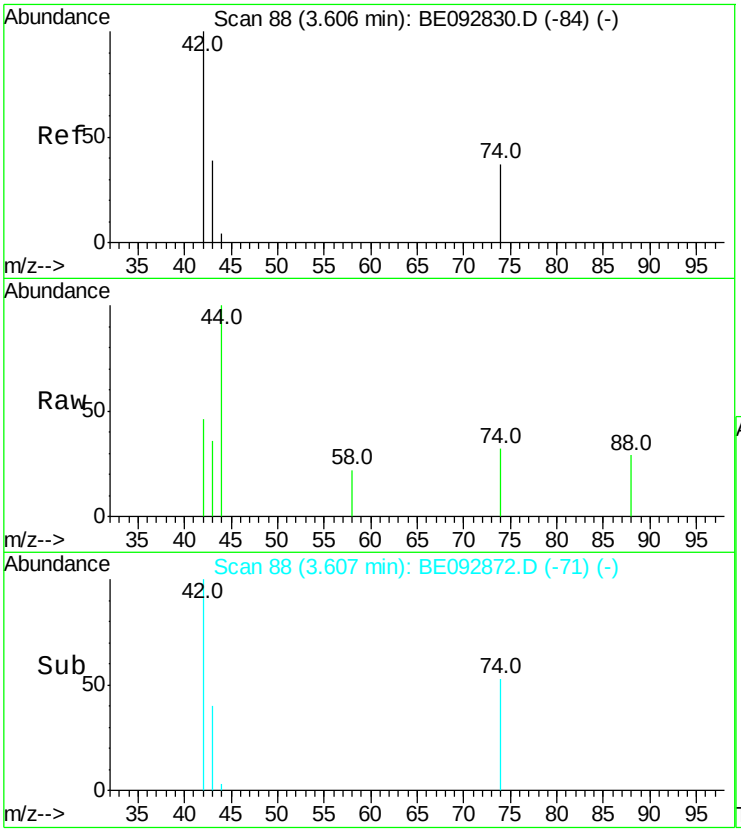


#2
1,4-Dioxane
Concen: 0.13 ng
RT: 3.31 min Scan# 62
Delta R.T. -0.01 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion: 88 Resp: 122

Ion	Ratio	Lower	Upper
88	100		
58	61.5	63.6	95.4#
43	31.1	28.0	42.0



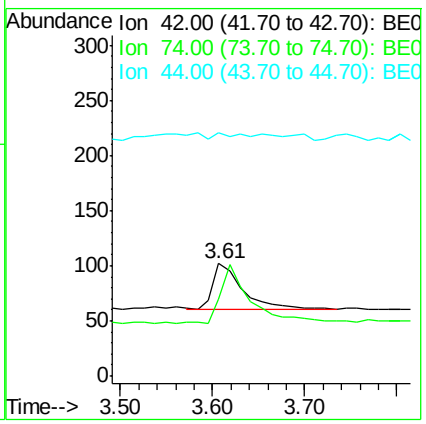


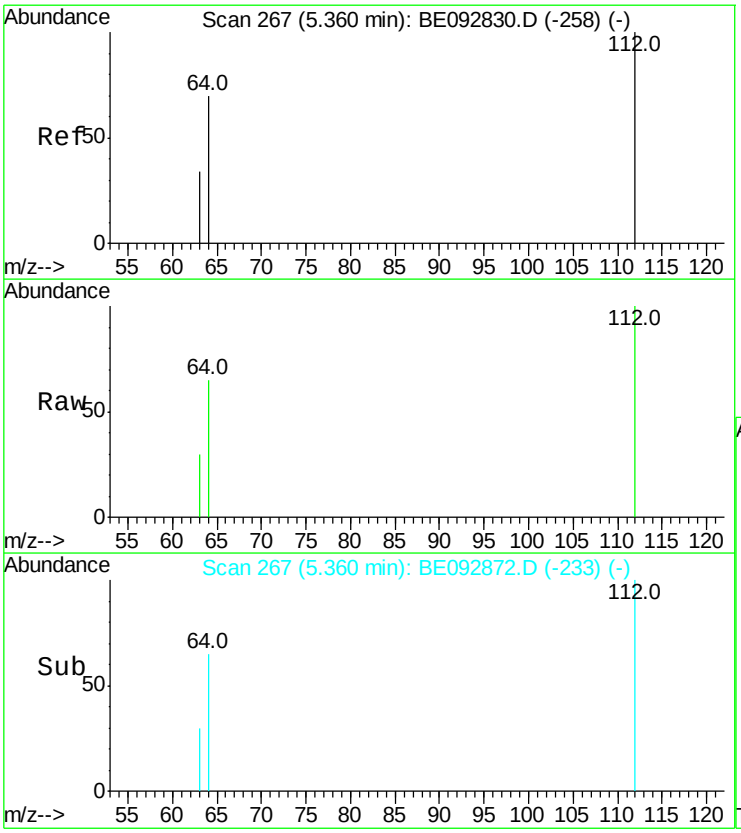
#3
n-Nitrosodimethylamine
Concen: 0.10 ng
RT: 3.61 min Scan# 88
Delta R.T. 0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion: 42 Resp: 97

Ion	Ratio	Lower	Upper
42	100		
74	123.7	86.0	129.0
44	10.3	5.1	7.7#

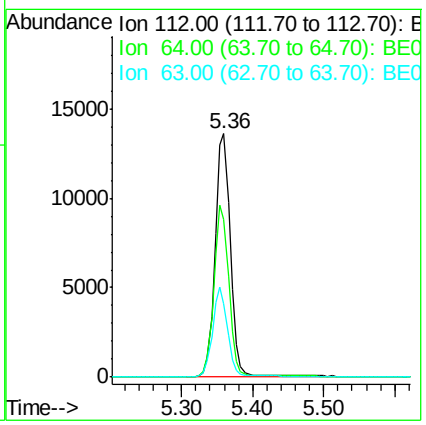


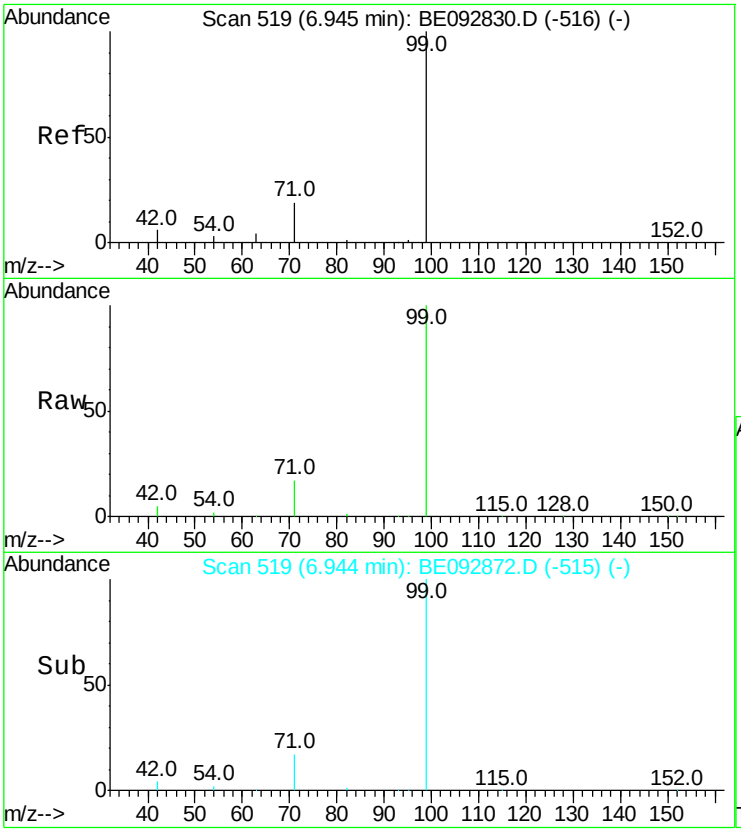


#4
2-Fluorophenol
Concen: 12.62 ng
RT: 5.36 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:112 Resp: 19924

Ion	Ratio	Lower	Upper
112	100		
64	69.7	53.5	80.3
63	35.7	27.9	41.9



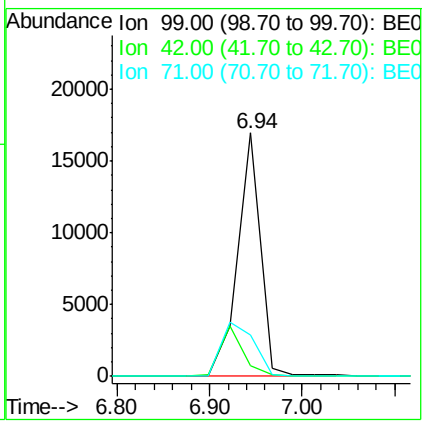


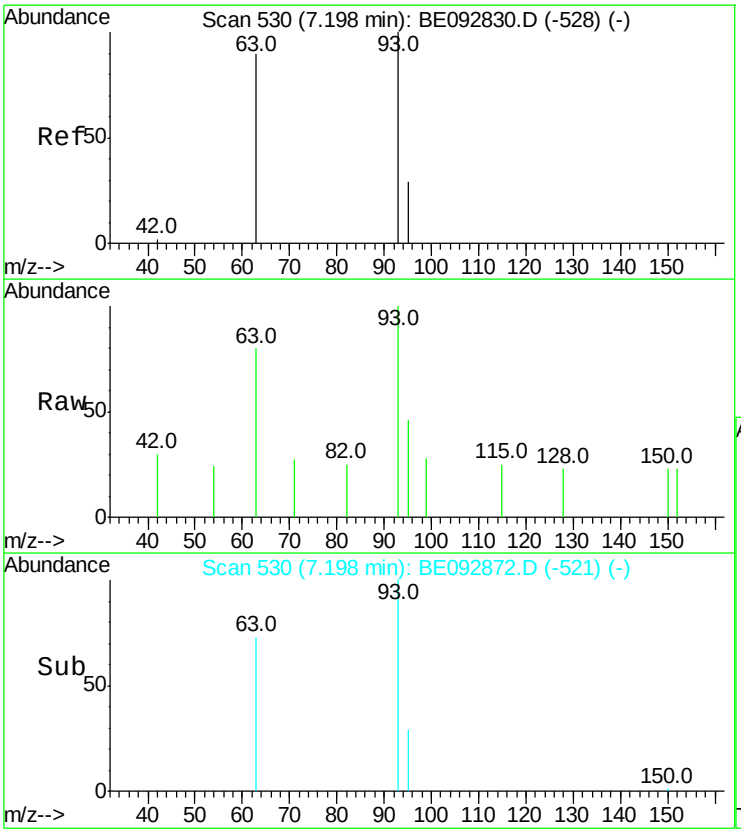
#5
Phenol-d6
Concen: 12.58 ng
RT: 6.94 min Scan# 519
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion: 99 Resp: 29131

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

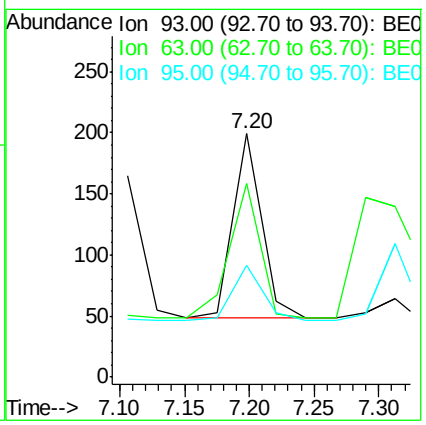


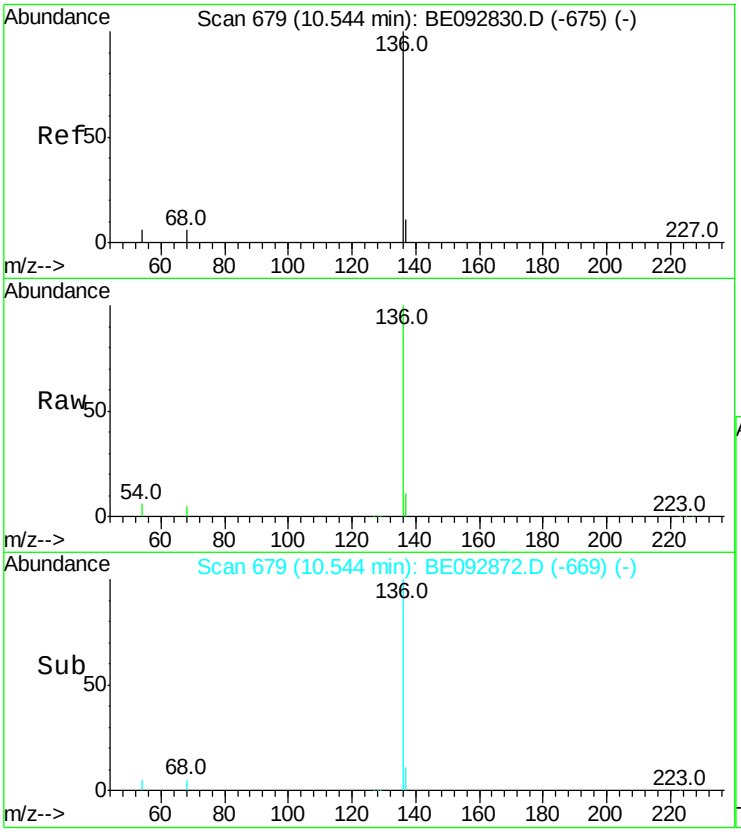


#6
bis(2-Chloroethyl)ether
Concen: 0.11 ng
RT: 7.20 min Scan# 530
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion: 93 Resp: 236

Ion	Ratio	Lower	Upper
93	100		
63	79.2	16.0	24.0#
95	31.8	24.0	36.0



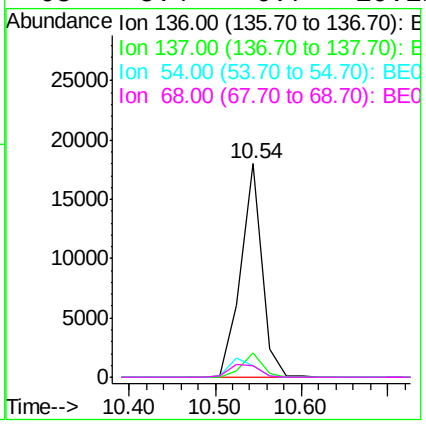


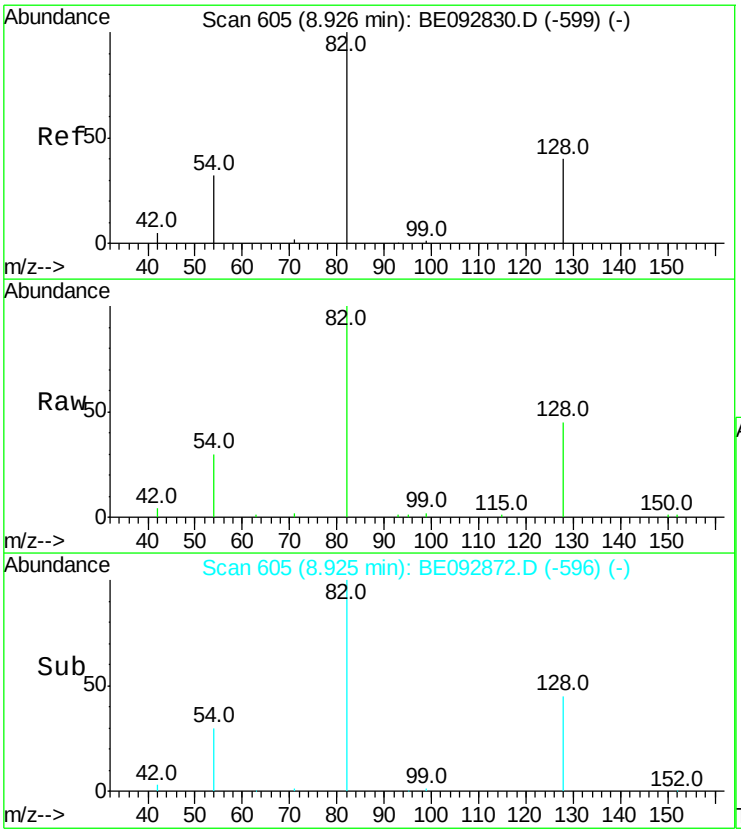
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.54 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:136 Resp: 30556

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	5.6	9.6	14.4#
68	5.4	6.7	10.1#

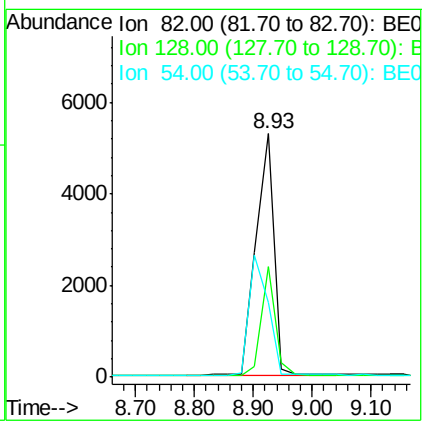


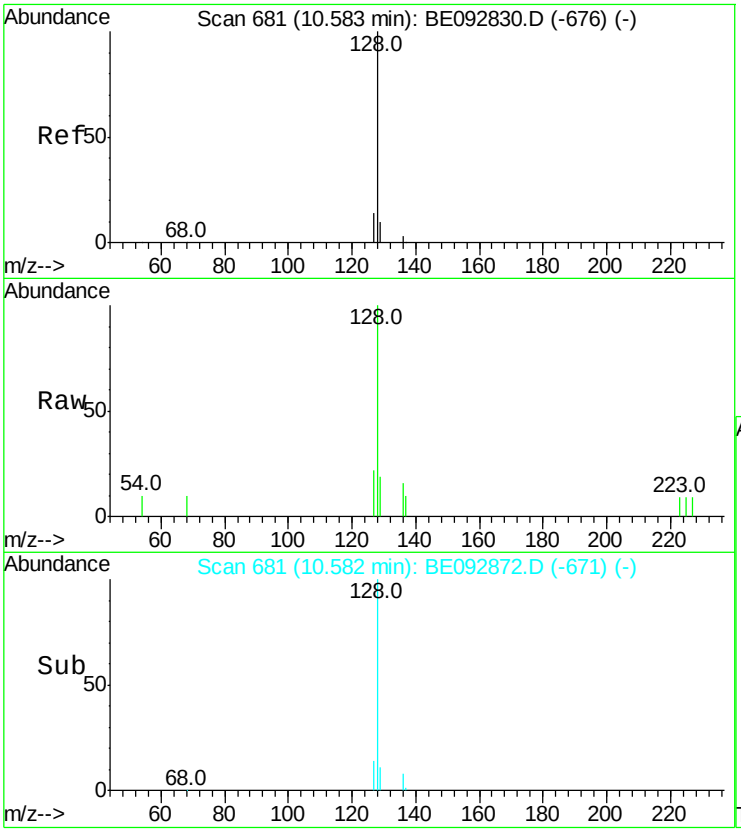


#8
Nitrobenzene-d5
Concen: 6.41 ng
RT: 8.93 min Scan# 605
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion: 82 Resp: 11249

Ion	Ratio	Lower	Upper
82	100		
128	45.3	39.0	58.4
54	30.4	44.8	67.2#



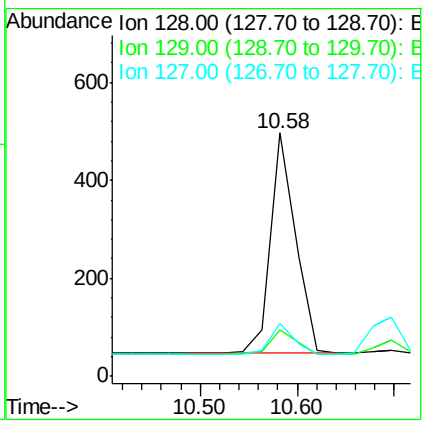


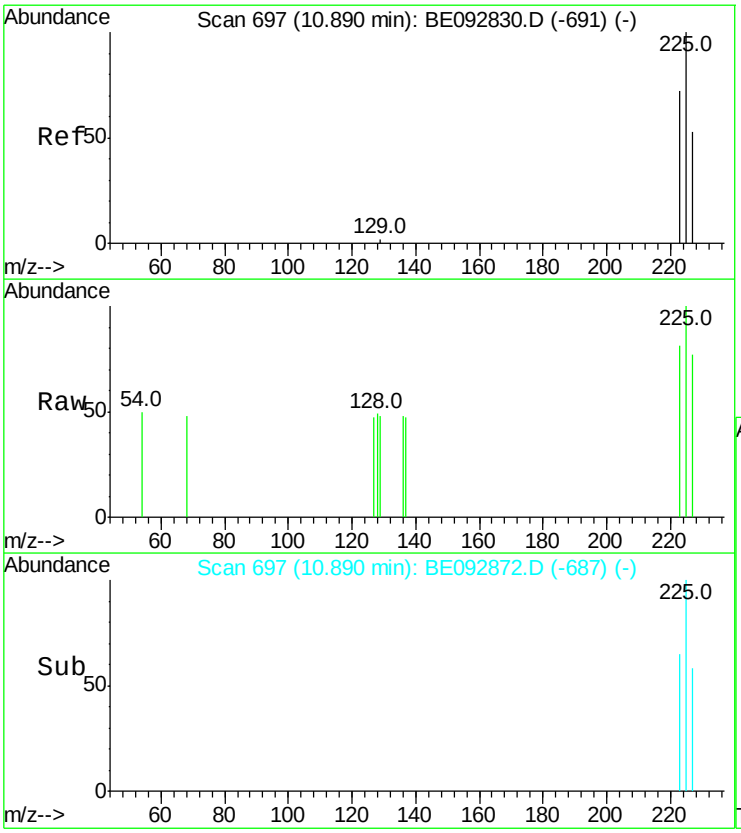
#9
Naphthalene
Concen: 0.12 ng
RT: 10.58 min Scan# 681
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:128 Resp: 811

Ion	Ratio	Lower	Upper
128	100		
129	19.1	11.2	16.8#
127	21.5	11.6	17.4#

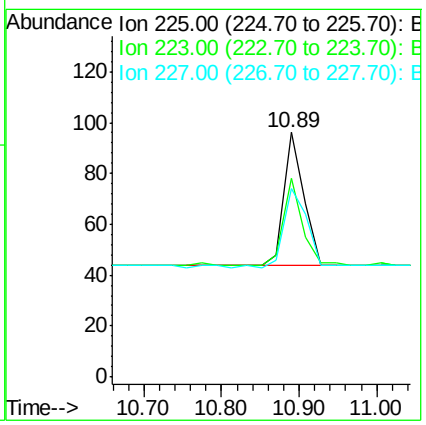


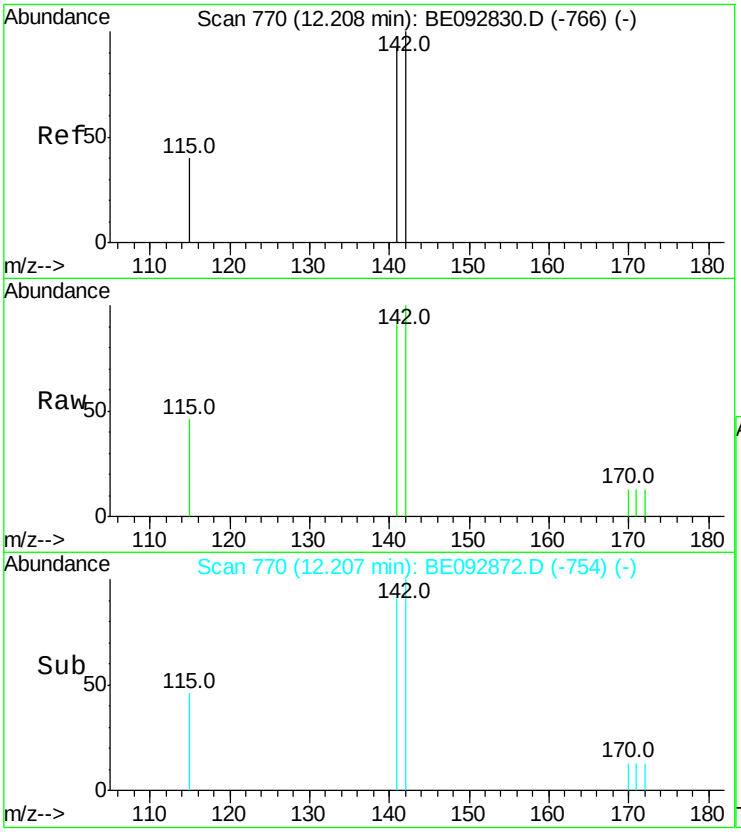


#10
Hexachlorobutadiene
Concen: 0.10 ng
RT: 10.89 min Scan# 697
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:225 Resp: 92

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.6	76.0
227	72.8	51.4	77.0



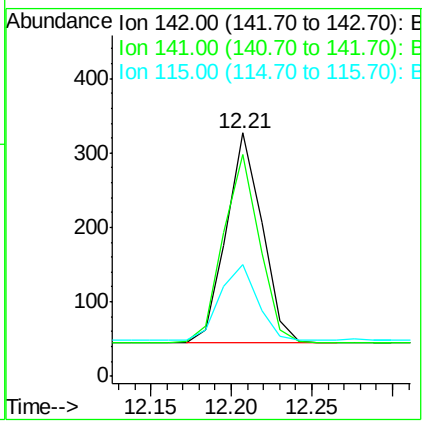


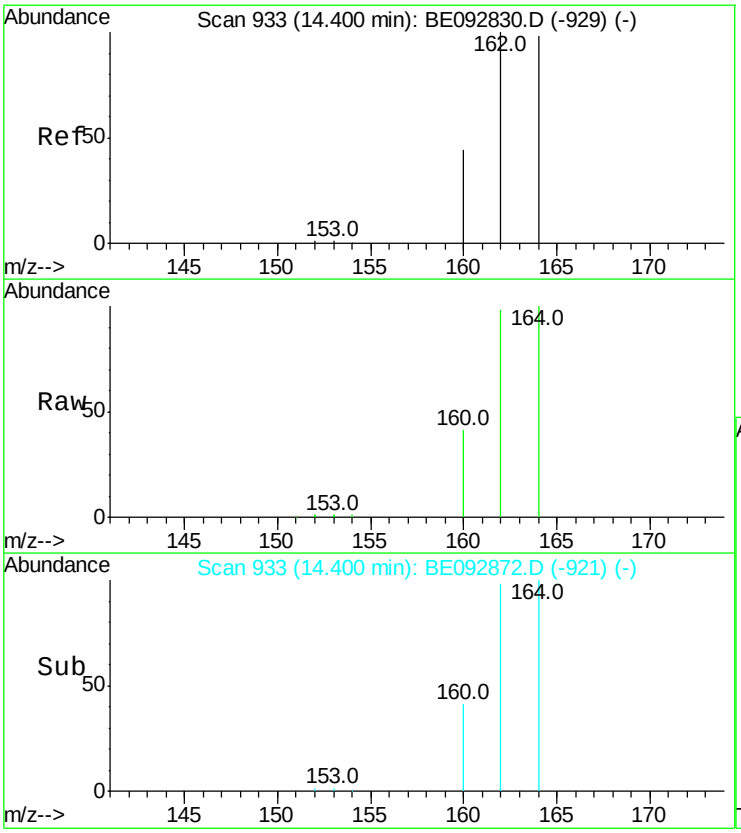
#11
2-Methylnaphthalene
Concen: 0.10 ng
RT: 12.21 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:142 Resp: 432

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.7	110.5
115	45.9	34.0	51.0

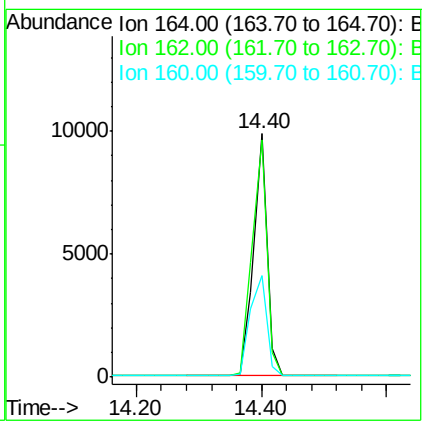


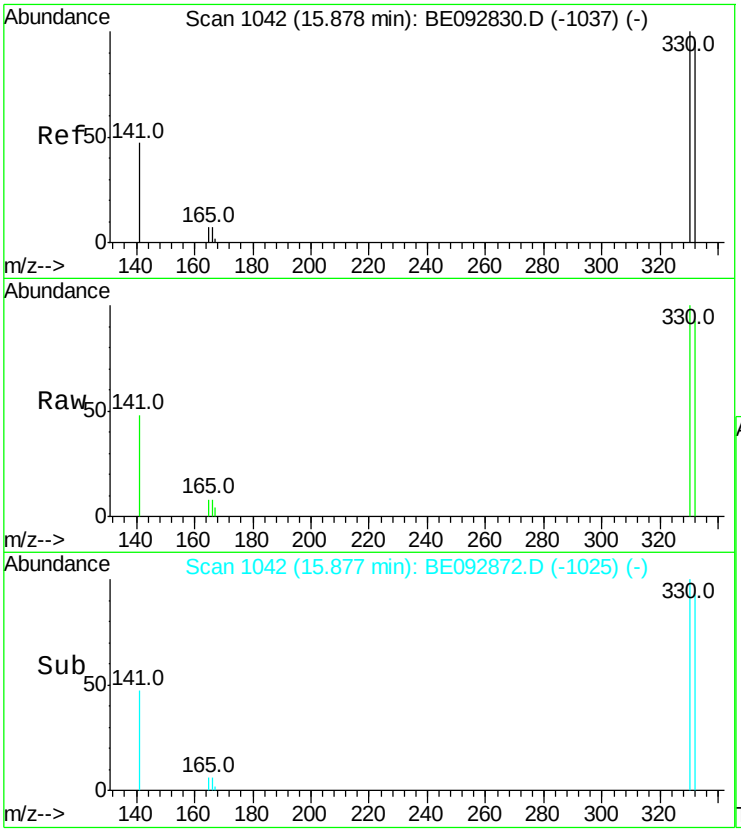


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 933
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:164 Resp: 14835

Ion	Ratio	Lower	Upper
164	100		
162	97.6	71.4	107.0
160	41.5	27.4	41.2#



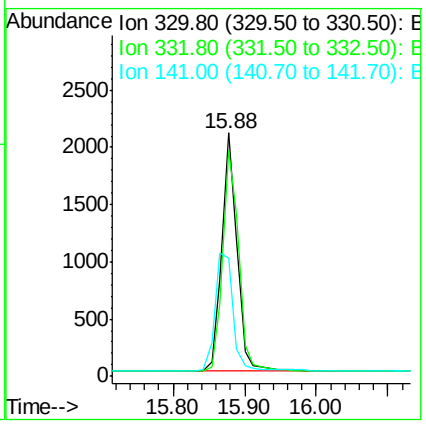


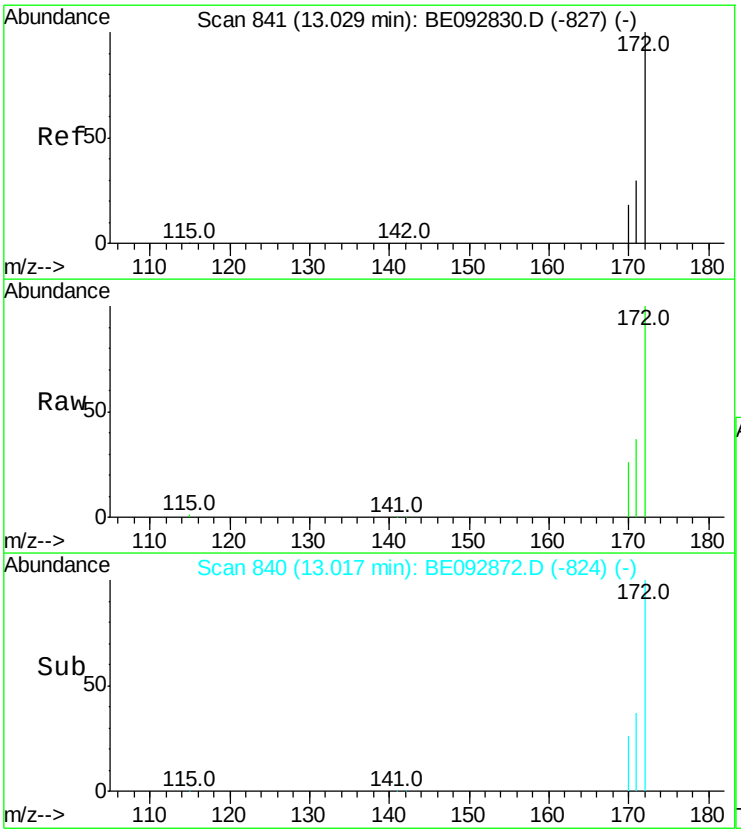
#13
2,4,6-Tribromophenol
Concen: 13.43 ng
RT: 15.88 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:330 Resp: 3113

Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.4	113.0
141	57.7	31.0	46.6#

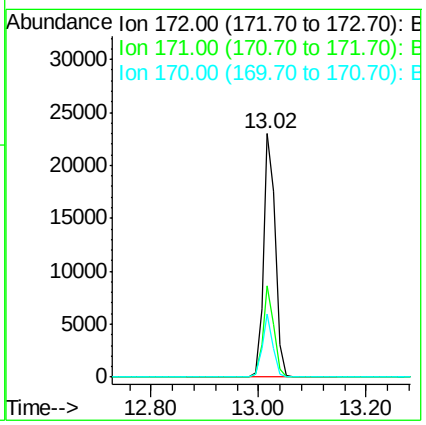


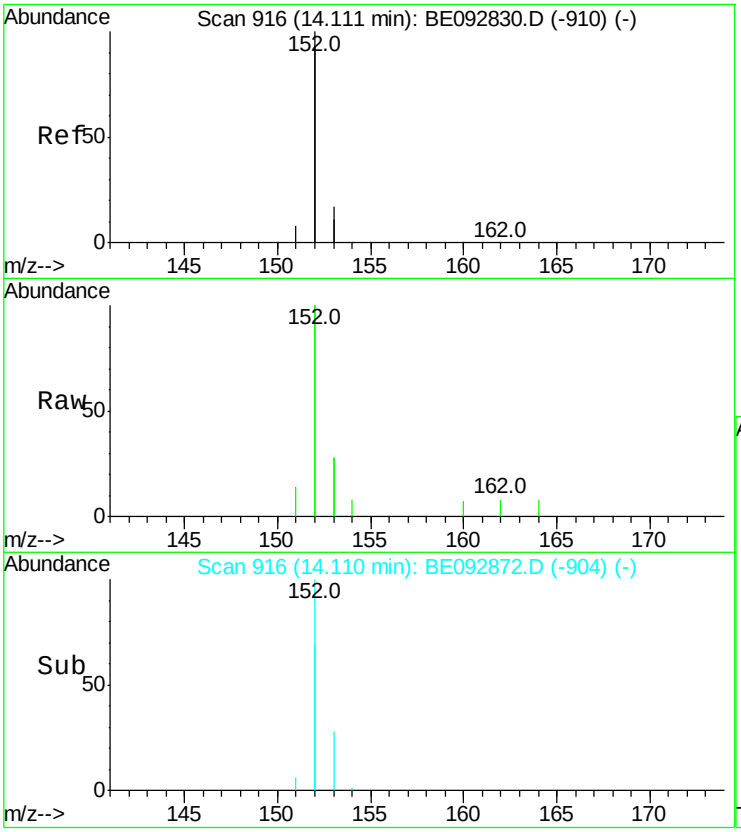


#14
2-Fluorobiphenyl
Concen: 7.18 ng
RT: 13.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:172 Resp: 35116

Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.1	45.1
170	25.8	21.8	32.6



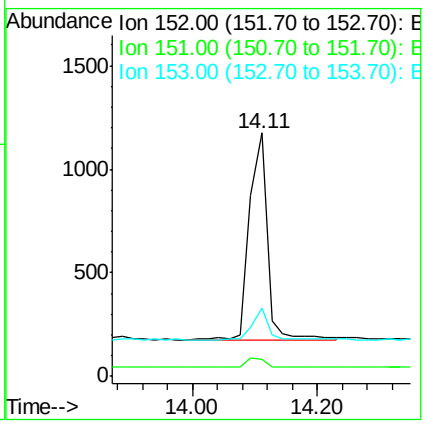


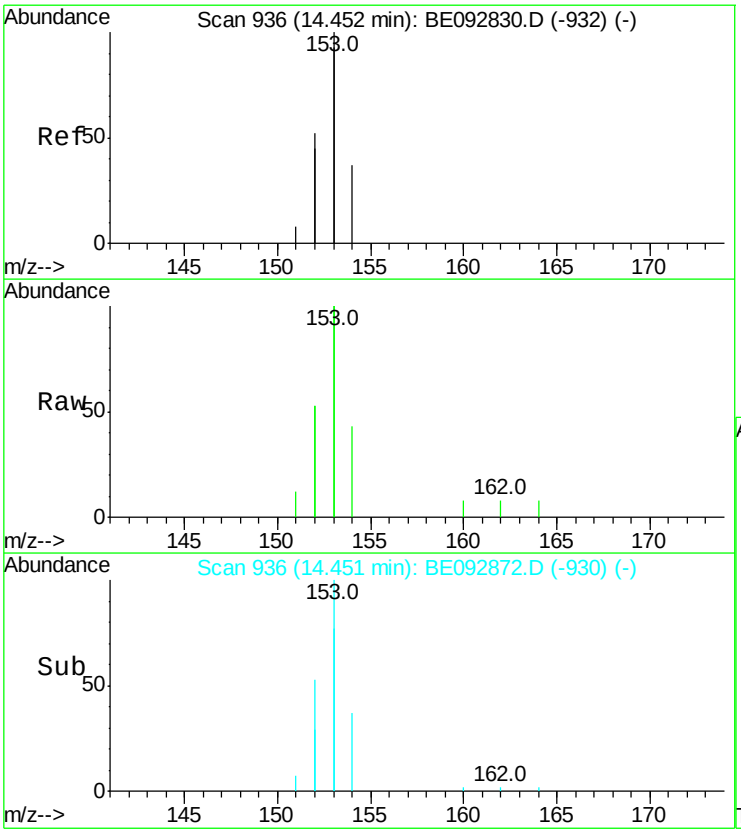
#15
Acenaphthylene
Concen: 0.09 ng
RT: 14.11 min Scan# 916
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:152 Resp: 1964

Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.9	5.9
153	13.0	10.4	15.6

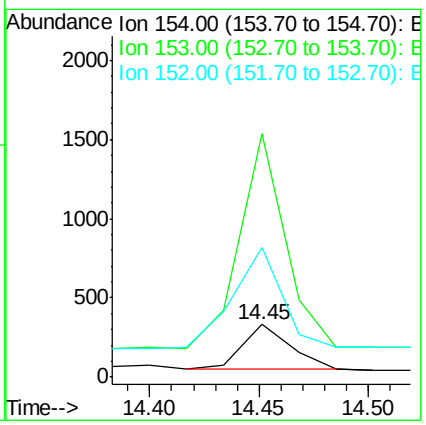


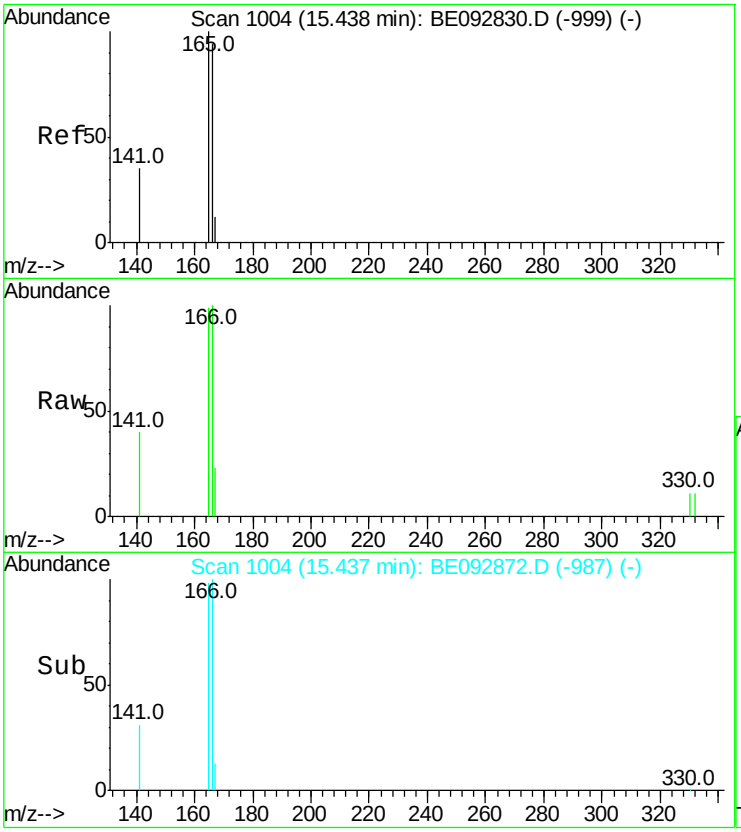


#16
Acenaphthene
Concen: 0.11 ng
RT: 14.45 min Scan# 936
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:154 Resp: 426

Ion	Ratio	Lower	Upper
154	100		
153	459.6	350.8	526.2
152	228.4	171.1	256.7



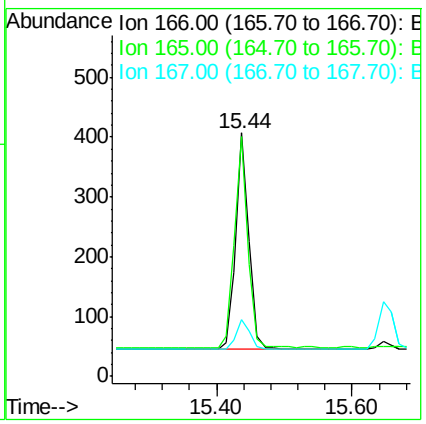


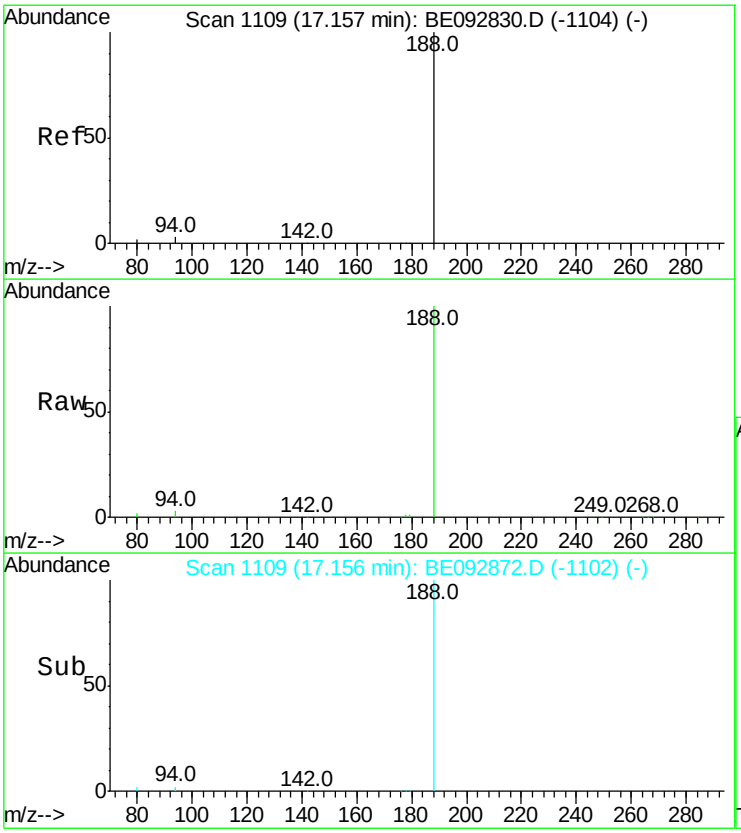
#17
Fluorene
Concen: 0.10 ng
RT: 15.44 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:166 Resp: 500

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.2	117.4
167	14.6	11.0	16.4

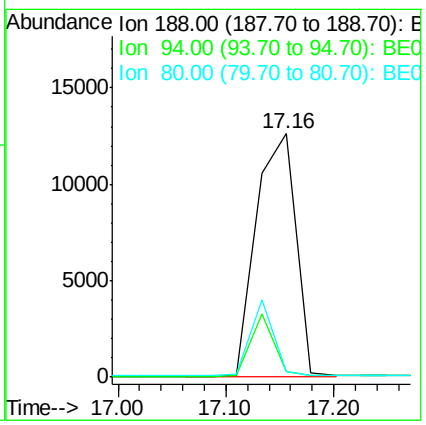


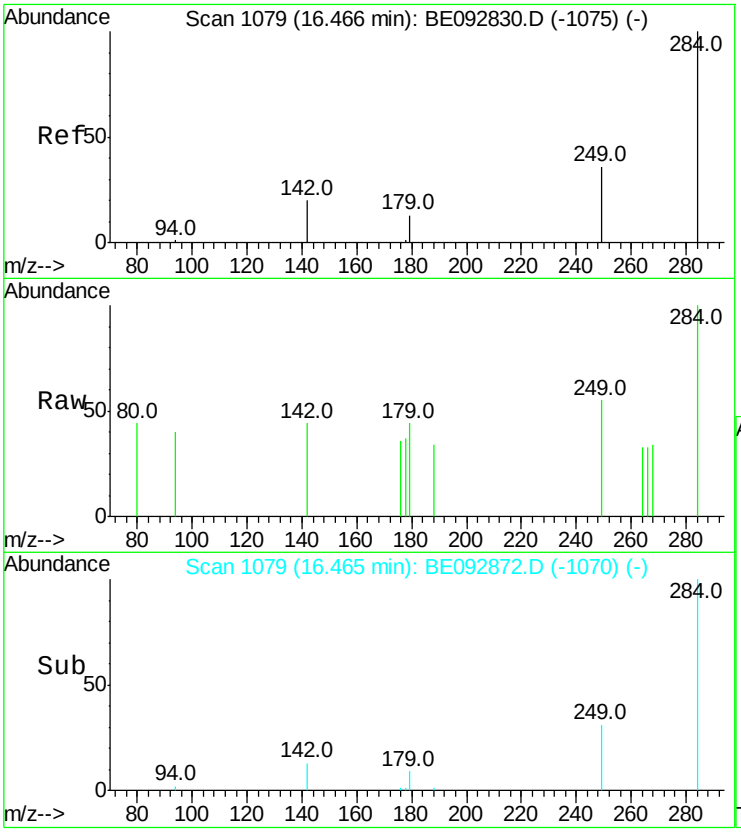


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1109
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:188 Resp: 32352

Ion	Ratio	Lower	Upper
188	100		
94	2.5	3.2	4.8#
80	2.0	2.6	3.8#



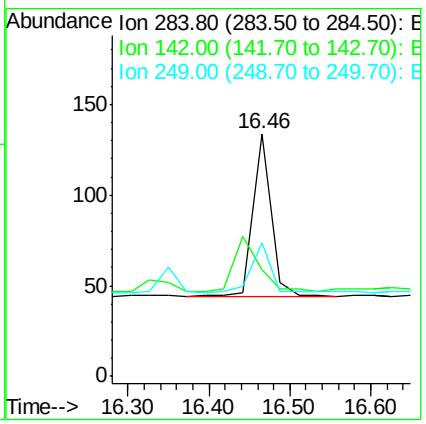


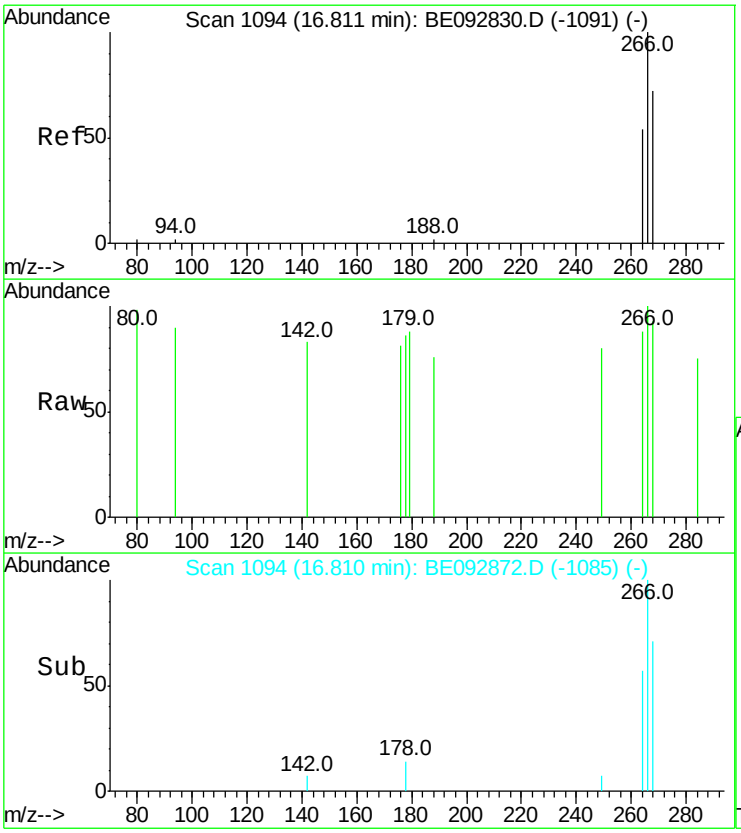
#19
Hexachlorobenzene
Concen: 0.12 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:284 Resp: 144

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	33.3	27.9	41.9

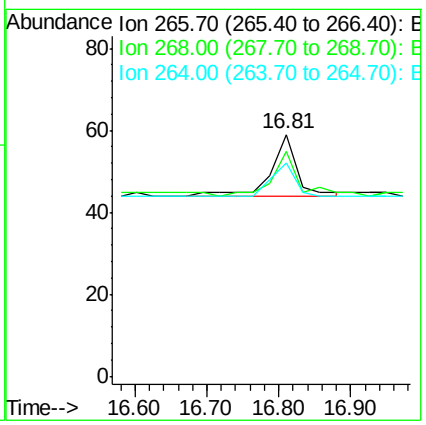


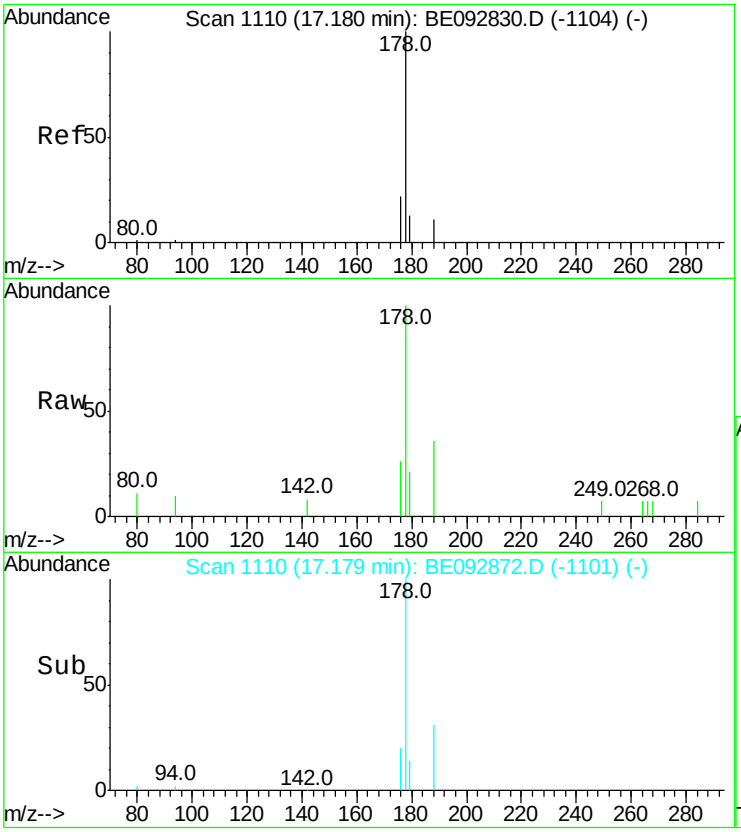


#20
Pentachlorophenol
Concen: 0.33 ng
RT: 16.81 min Scan# 1094
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:266 Resp: 39

Ion	Ratio	Lower	Upper
266	100		
268	93.2	62.5	93.7
264	88.1	57.2	85.8#



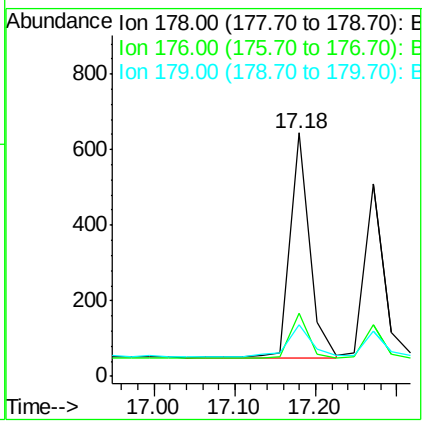


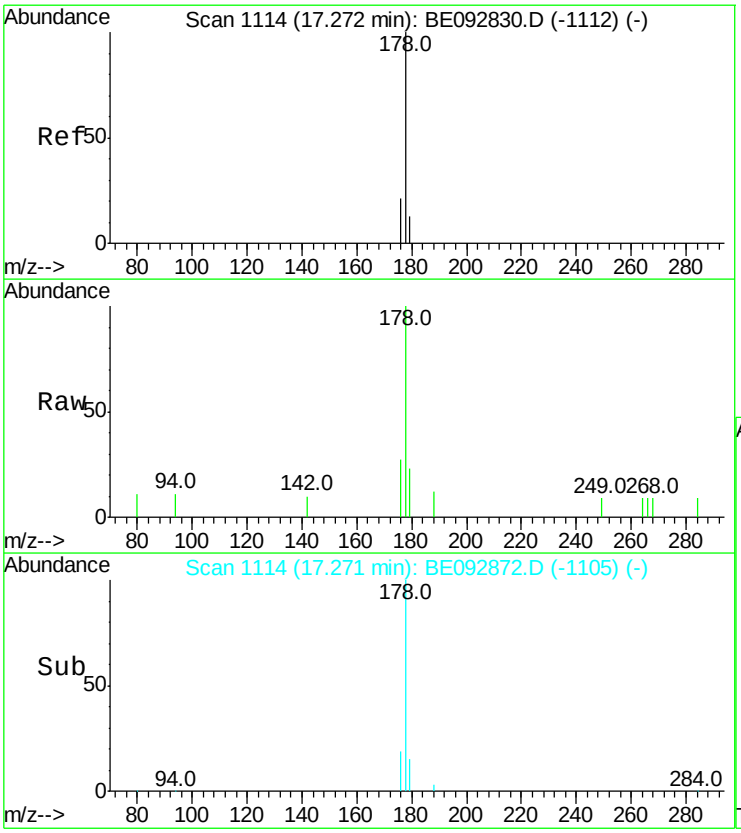
#21
Phenanthrene
Concen: 0.13 ng
RT: 17.18 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:178 Resp: 988

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	17.1	16.0	24.0

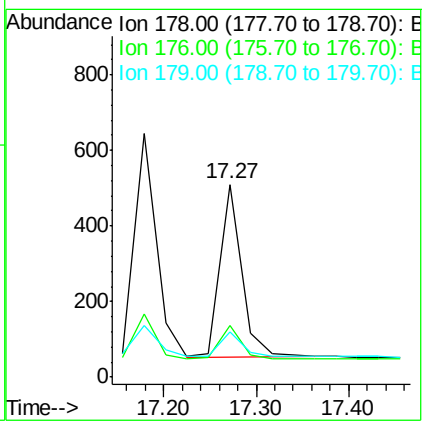


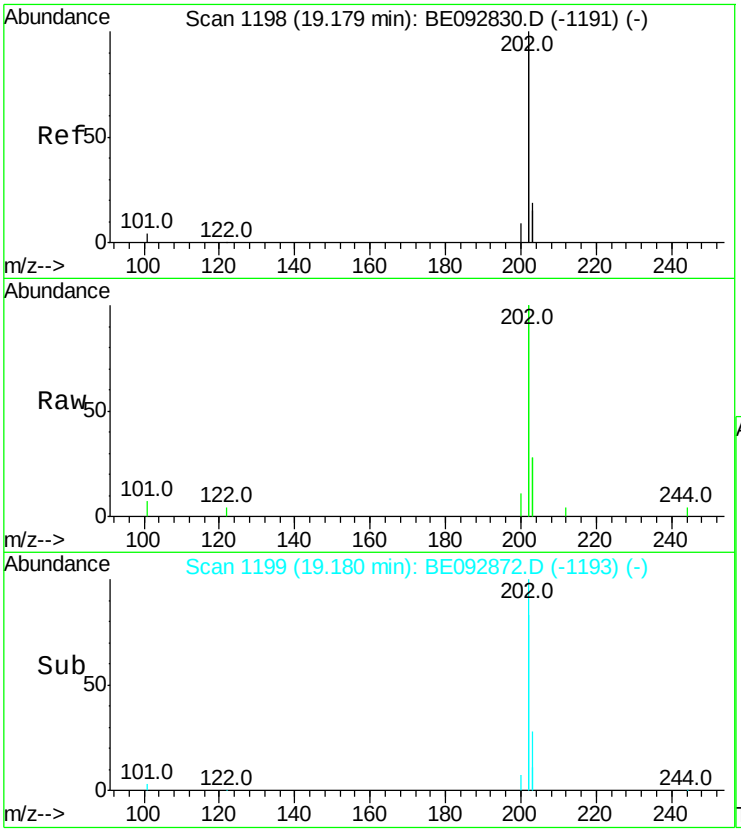


#22
Anthracene
Concen: 0.11 ng
RT: 17.27 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:178 Resp: 757

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.9	12.2	18.2



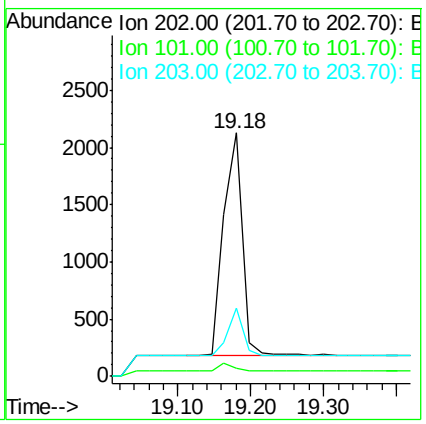


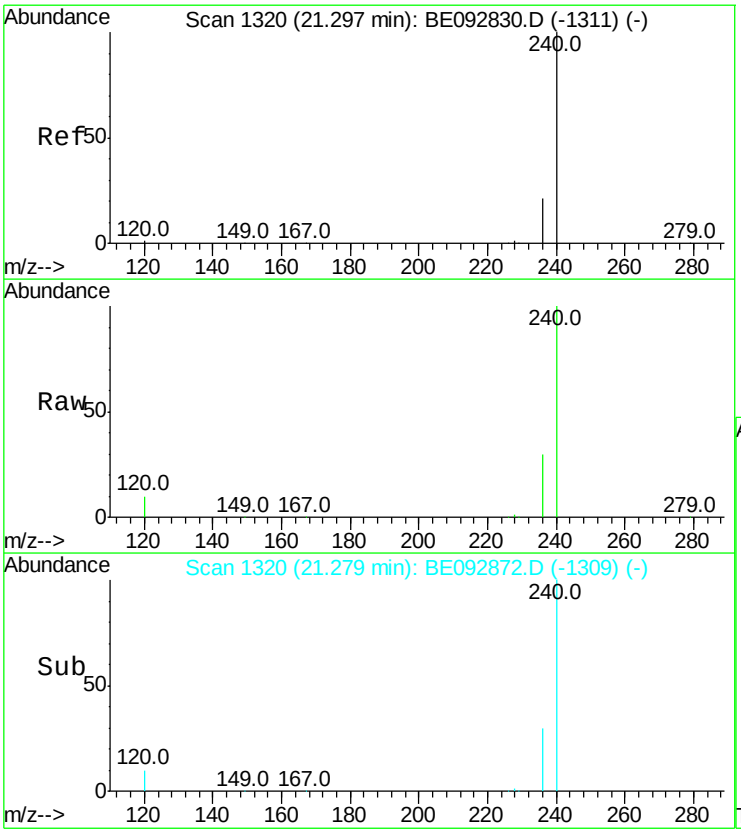
#23
Fluoranthene
Concen: 0.09 ng
RT: 19.18 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:202 Resp: 3439

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.0	13.7	20.5

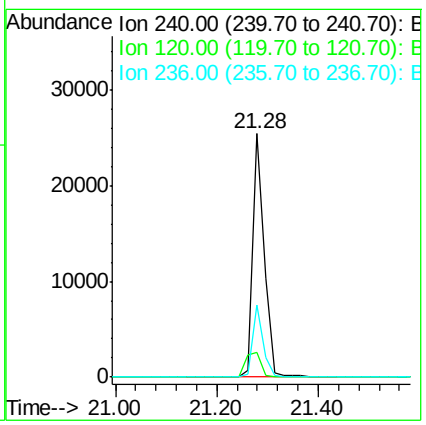


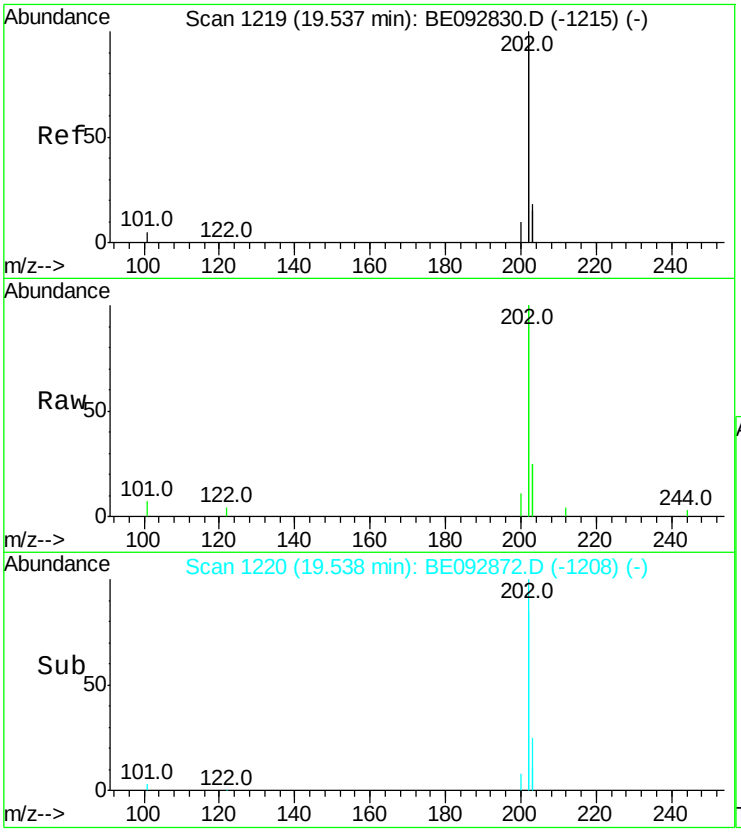


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:240 Resp: 38852

Ion	Ratio	Lower	Upper
240	100		
120	10.2	2.6	4.0#
236	29.8	24.6	37.0



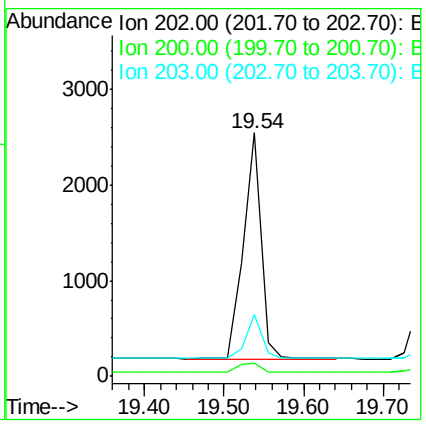


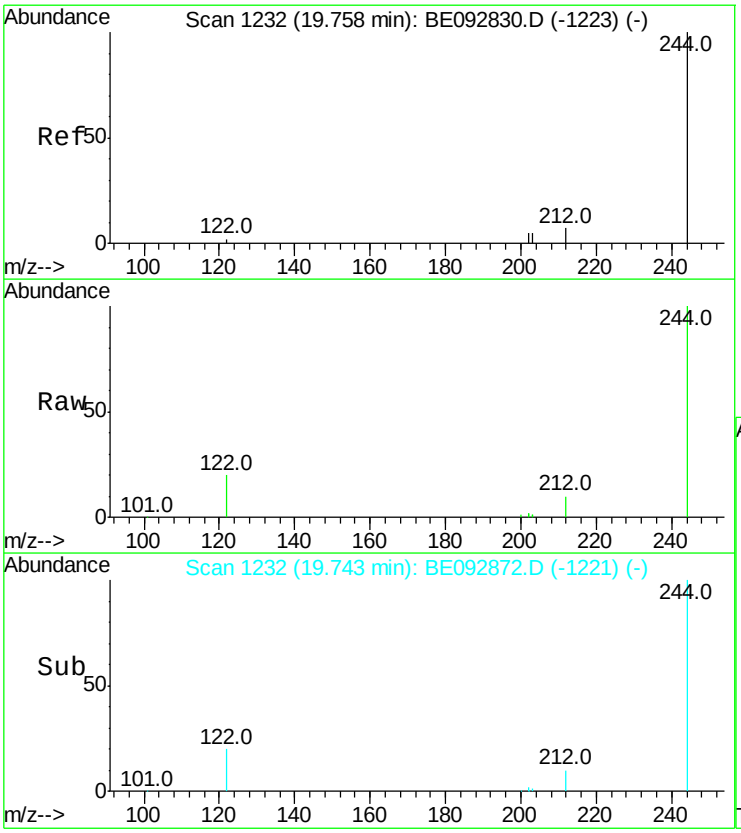
#25
Pyrene
Concen: 0.09 ng
RT: 19.54 min Scan# 1220
Delta R.T. 0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:202 Resp: 3666

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.2	6.4
203	17.8	13.9	20.9

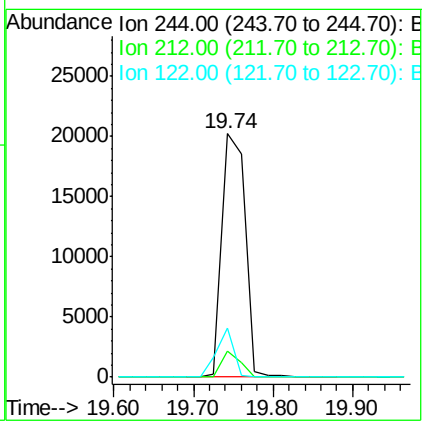


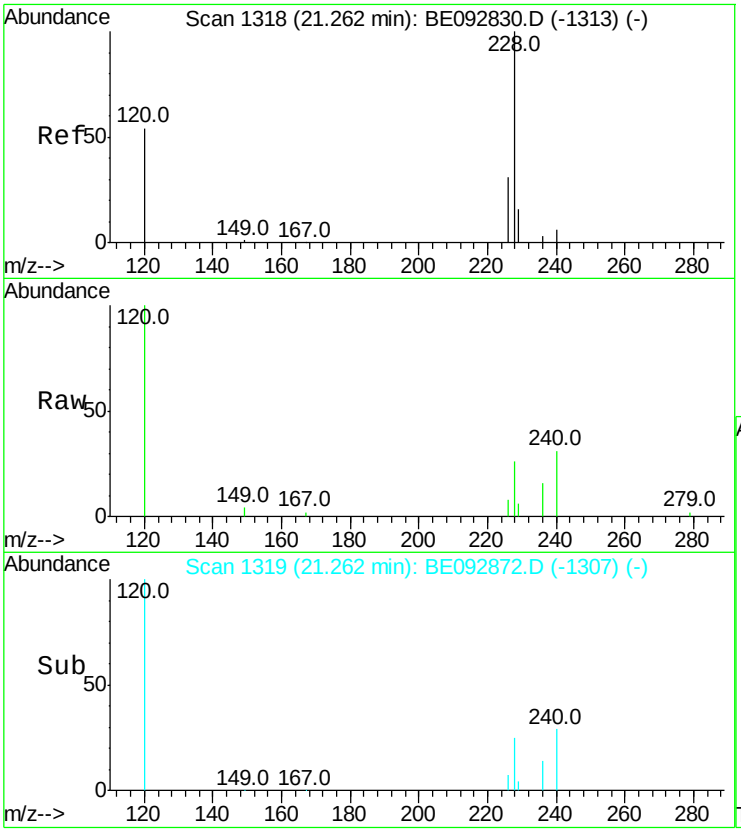


#26
Terphenyl-d14
Concen: 6.00 ng
RT: 19.74 min Scan# 1232
Delta R.T. -0.02 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:244 Resp: 40316

Ion	Ratio	Lower	Upper
244	100		
212	10.5	6.7	10.1#
122	20.1	3.6	5.4#



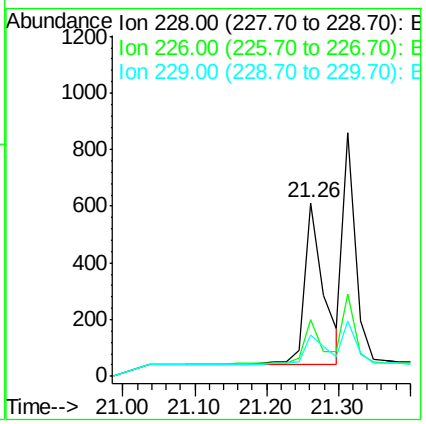


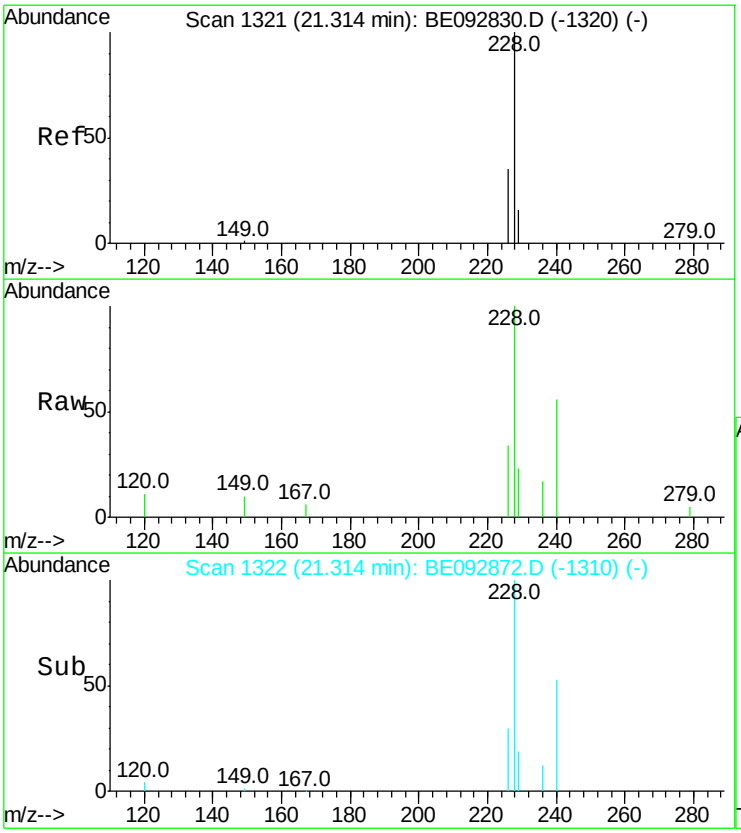
#27
Benzo(a)anthracene
Concen: 0.11 ng
RT: 21.26 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:228 Resp: 1033

Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.6	35.4
229	24.1	13.3	19.9#

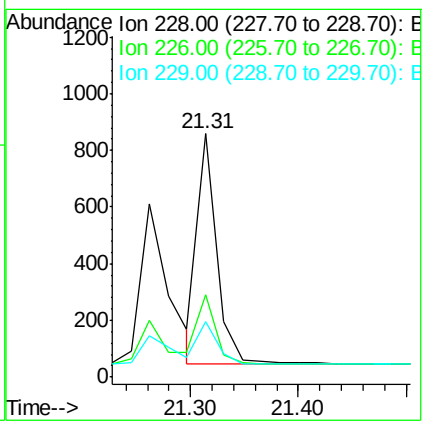


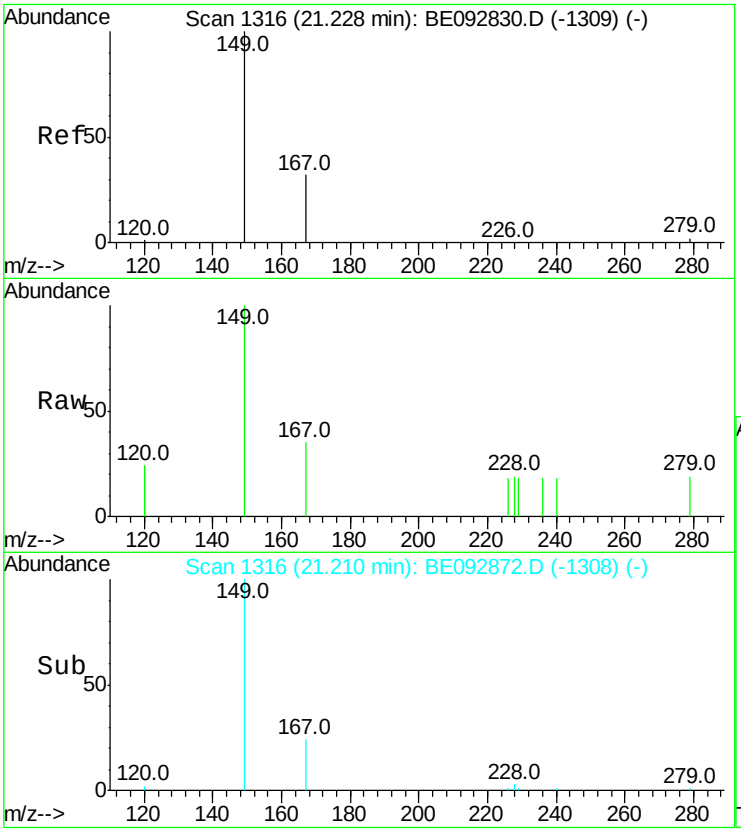


#28
Chrysene
Concen: 0.11 ng
RT: 21.31 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:228 Resp: 1030

Ion	Ratio	Lower	Upper
228	100		
226	33.9	36.3	54.5#
229	22.8	10.6	16.0#



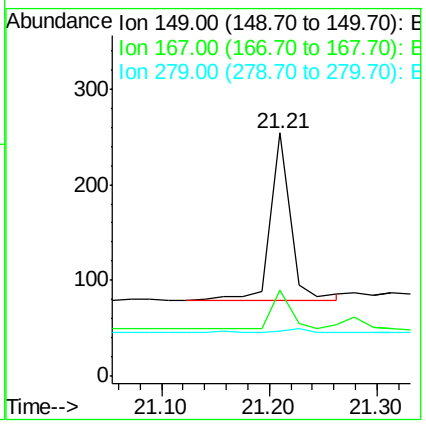


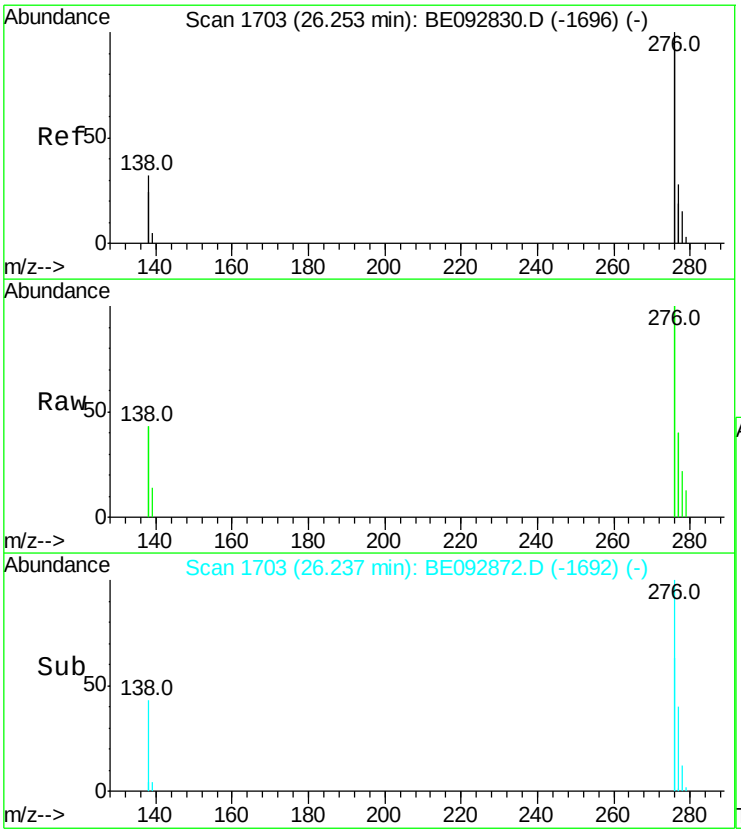
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.07 ng
RT: 21.21 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:149 Resp: 229

Ion	Ratio	Lower	Upper
149	100		
167	22.7	16.0	24.0
279	2.2	16.0	24.0#

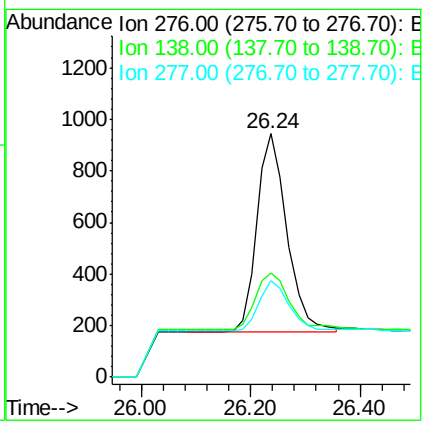


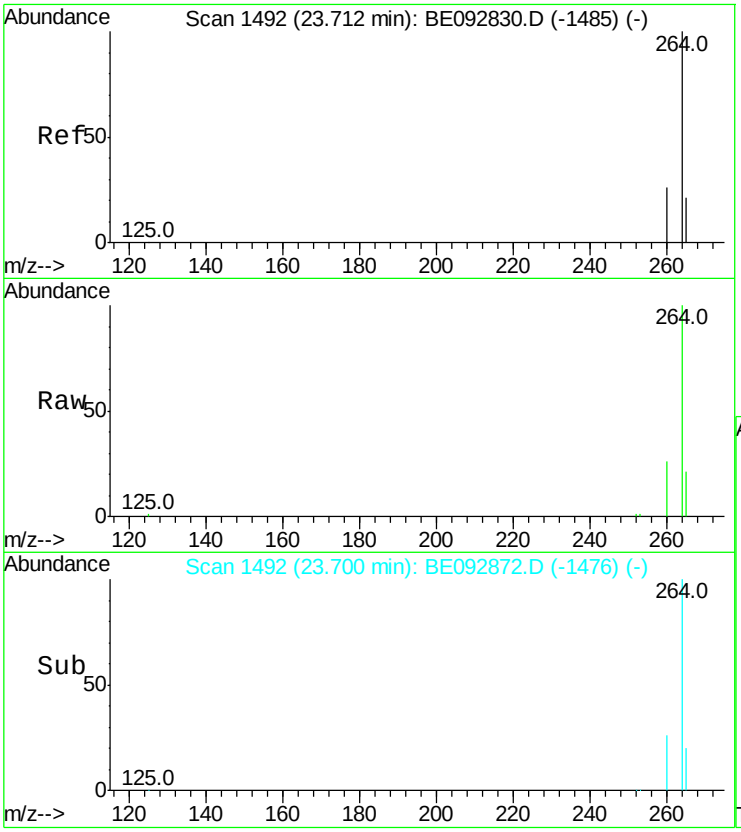


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 26.24 min Scan# 1703
Delta R.T. -0.02 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:276 Resp: 2963

Ion	Ratio	Lower	Upper
276	100		
138	32.1	20.3	30.5#
277	25.3	19.7	29.5



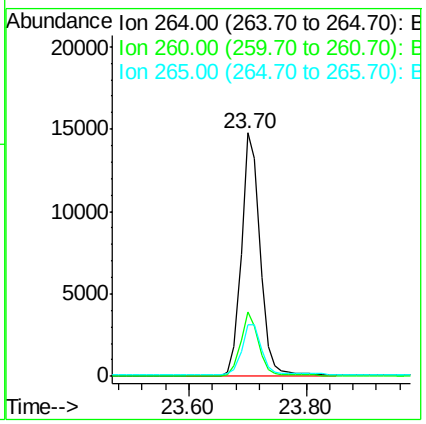


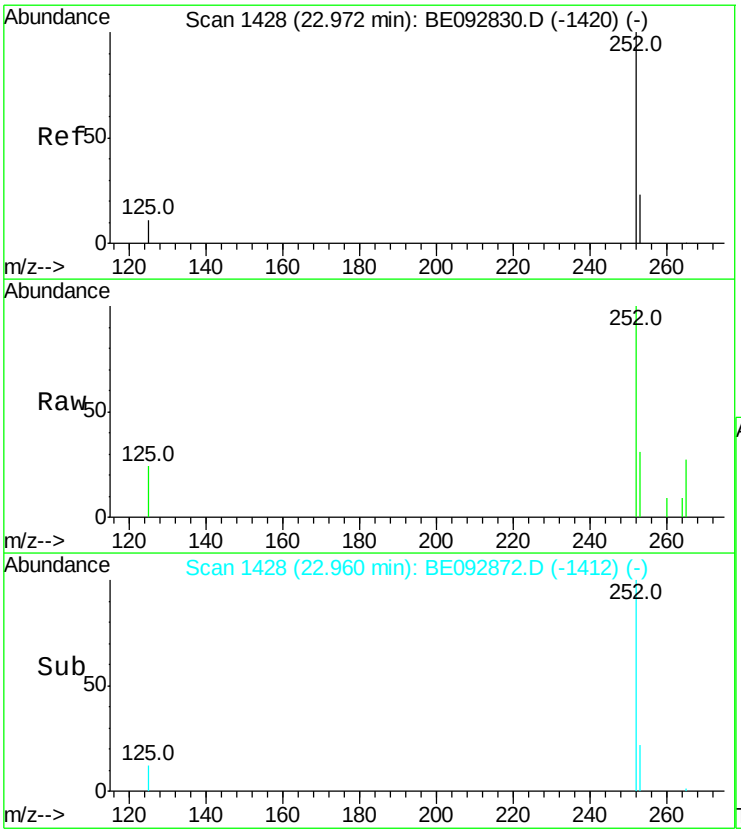
#31
Perylene-d12
Concen: 5.00 ng
RT: 23.70 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:264 Resp: 32485

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.1	30.1
265	21.2	17.9	26.9

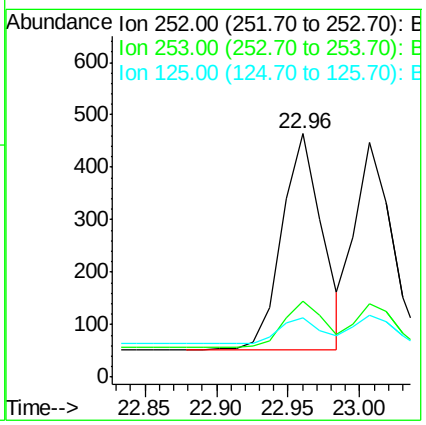


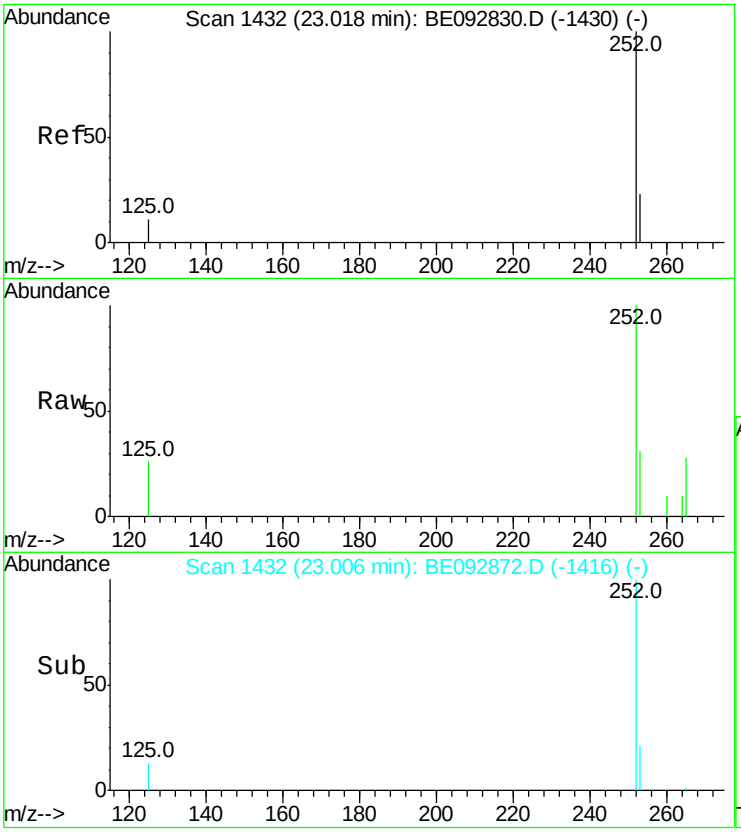


#32
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 22.96 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:252 Resp: 799

Ion	Ratio	Lower	Upper
252	100		
253	31.3	18.7	28.1#
125	24.1	10.5	15.7#



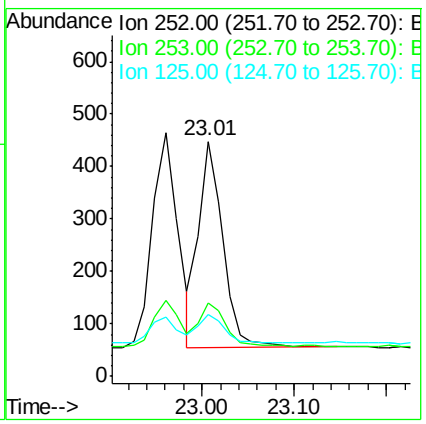


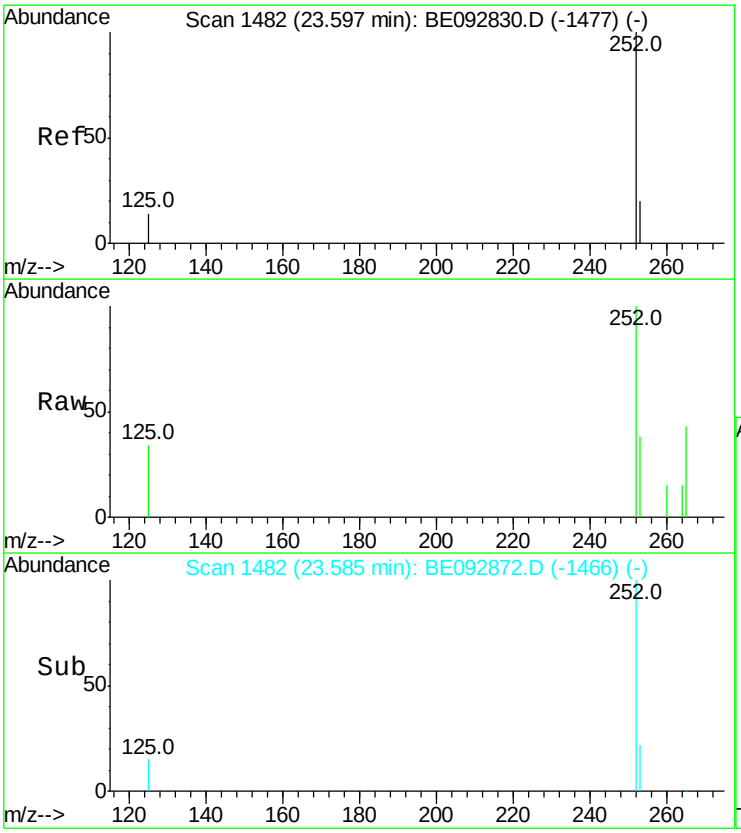
#33
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 23.01 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:252 Resp: 727

Ion	Ratio	Lower	Upper
252	100		
253	31.5	20.3	30.5#
125	26.1	9.6	14.4#

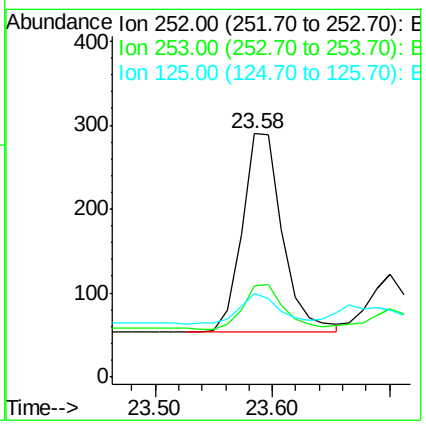


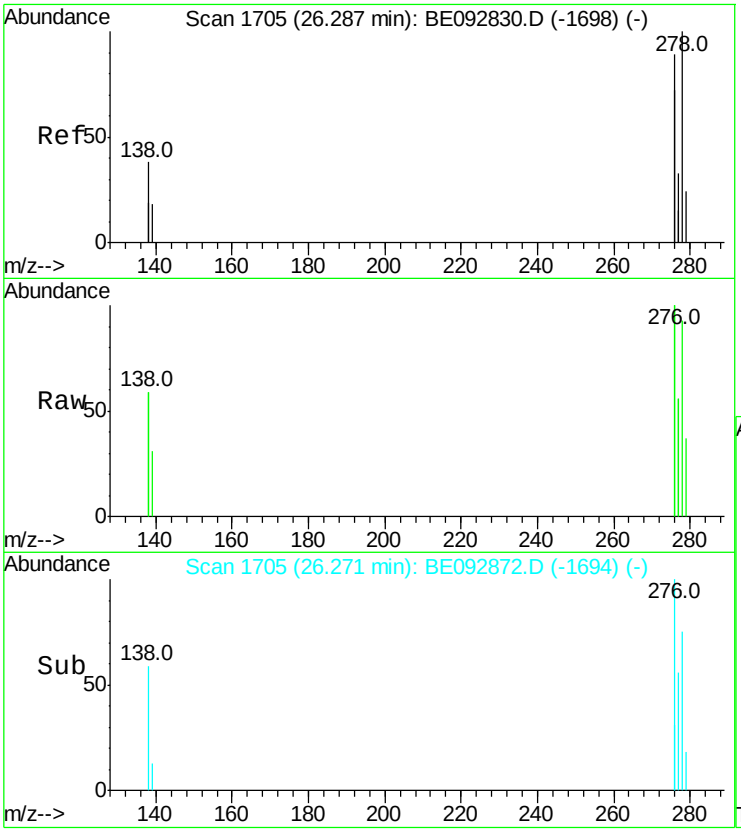


#34
Benzo(a)pyrene
Concen: 0.08 ng
RT: 23.58 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:252 Resp: 570

Ion	Ratio	Lower	Upper
252	100		
253	37.6	19.0	28.6#
125	34.1	11.8	17.8#



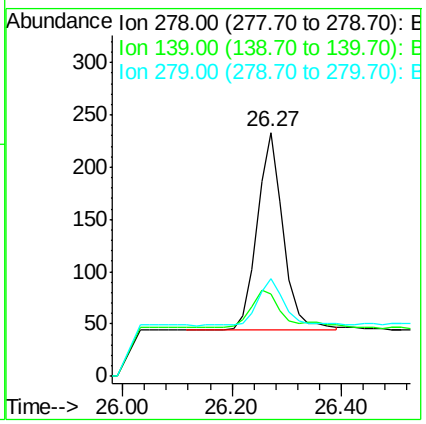


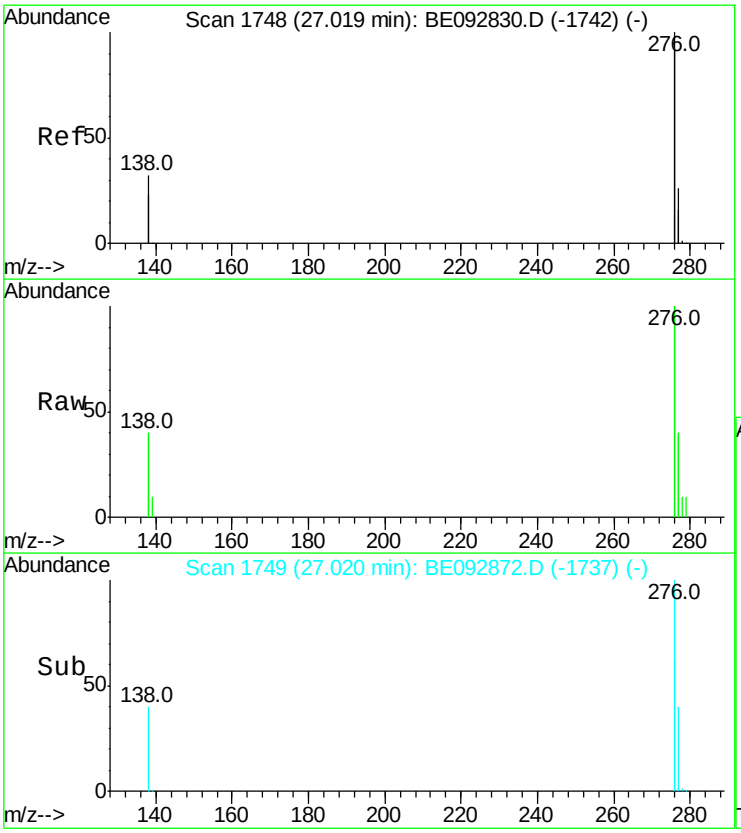
#35
Dibenzo(a,h)anthracene
Concen: 0.08 ng
RT: 26.27 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:278 Resp: 626

Ion	Ratio	Lower	Upper
278	100		
139	33.9	13.8	20.8#
279	39.9	21.4	32.2#





#36
Benzo(g,h,i)perylene
Concen: 0.09 ng
RT: 27.02 min Scan# 1749
Delta R.T. 0.00 min
Lab File: BE092872.D
Acq: 30 Mar 2017 12:40

Tgt Ion:276 Resp: 2850

Ion	Ratio	Lower	Upper
276	100		
277	39.6	19.8	29.8#
138	39.6	19.8	29.6#