Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092625.D
Acq On : 27 Dec 2016 17:55
Operator : UM/SJ
Sample : H6103-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT1-2017

Quant Time: Dec 28 01:25:59 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	10723	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	43543	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	24893	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	45271	5.00	ng		0.00
24) Chrysene-d12	21.72	240	48715	5.00	ng		0.00
31) Perylene-d12	24.08	264	45832	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.65	112	19519	9.38	ng		-0.04
5) Phenol-d6	7.31	99	25024	7.95	ng		-0.07
8) Nitrobenzene-d5	9.32	82	11860	3.97	ng		-0.05
13) 2,4,6-Tribromophenol	16.30	330	3866	5.43	ng		-0.01
14) 2-Fluorobiphenyl	13.42	172	26928	4.52	ng		-0.01
26) Terphenyl-d14	20.16	244	27613	4.62	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	528	0.27	ng	#	1
3) n-Nitrosodimethylamine	3.83	42	102	0.25	ng	#	35
6) bis(2-Chloroethyl)ether	7.59	93	441	0.25	ng	#	25
9) Naphthalene	10.97	128	1605	0.18	ng	#	87
10) Hexachlorobutadiene	11.26	225	241	0.18	ng		93
11) 2-Methylnaphthalene	12.64	142	861	0.15	ng		97
15) Acenaphthylene	14.51	152	5850	0.17	ng		100
16) Acenaphthene	14.87	154	1048	0.19	ng		92
17) Fluorene	15.86	166	1078	0.15	ng		96
19) Hexachlorobenzene	16.86	284	1562	0.81	ng	#	25
20) Pentachlorophenol	17.26	266	43	0.17	ng	#	78
21) Phenanthrene	17.60	178	1916	0.17	ng	#	76
22) Anthracene	17.72	178	1552	0.15	ng	#	74
23) Fluoranthene	19.61	202	6936	0.14	ng		98
25) Pyrene	19.97	202	7030	0.16	ng		100
27) Benzo(a)anthracene	21.75	228	15766	0.36	ng	#	86
28) Chrysene	21.75	228	15872	0.31	ng	#	89
29) Bis(2-ethylhexyl)phthalate	21.61	149	527	0.18	ng	#	78
30) Indeno(1,2,3-cd)pyrene	26.60	276	8166	0.18	ng		98
32) Benzo(b)fluoranthene	23.36	252	1647	0.16	ng	#	87
33) Benzo(k)fluoranthene	23.40	252	1992	0.17	ng	#	88
34) Benzo(a)pyrene	23.97	252	1564	0.15	ng	#	82
35) Dibenzo(a,h)anthracene	26.62	278	1599	0.17	ng	#	73
36) Benzo(g,h,i)perylene	27.35	276	7626	0.18	ng	#	85

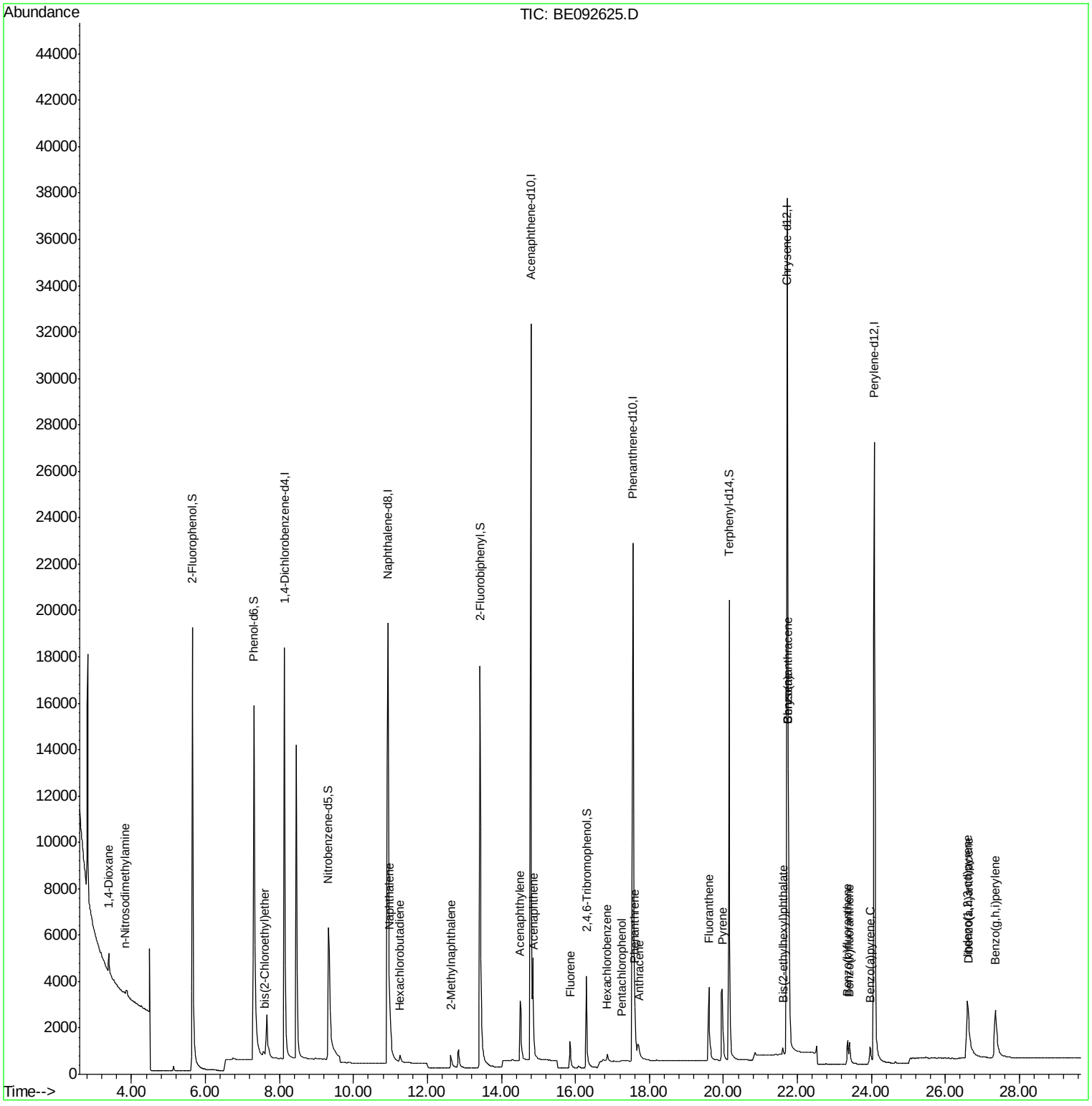
(#) = qualifier out of range (m) = manual integration (+) = signals summed

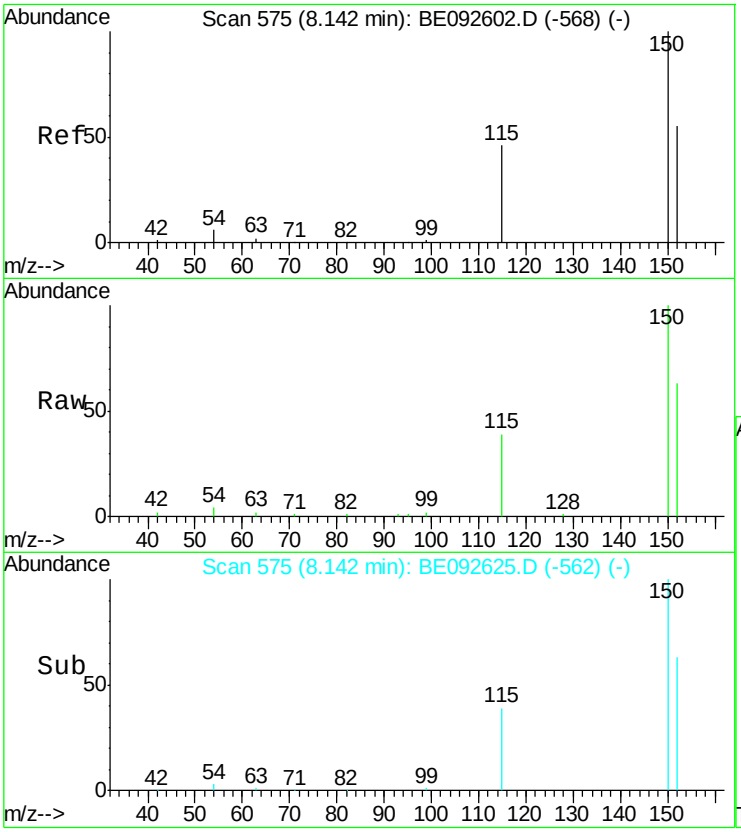
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092625.D
Acq On : 27 Dec 2016 17:55
Operator : UM/SJ
Sample : H6103-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Quant Time: Dec 28 01:25:59 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



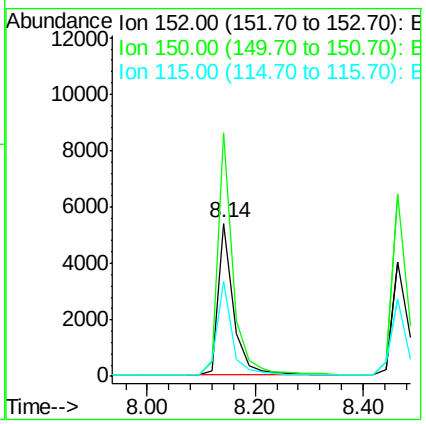


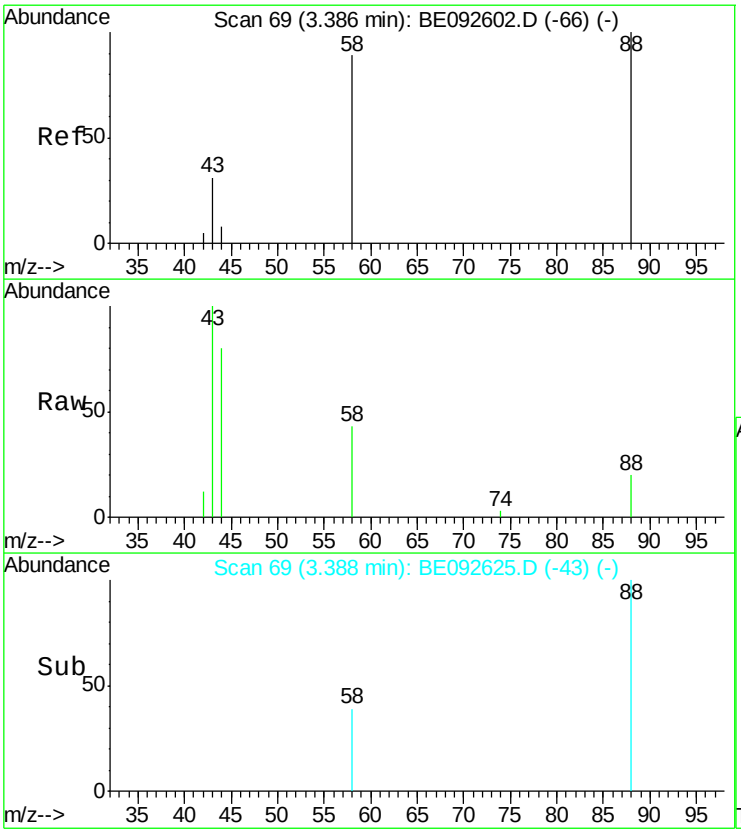
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:152 Resp: 10723

Ion	Ratio	Lower	Upper
152	100		
150	159.2	106.0	159.0#
115	61.9	31.2	46.8#

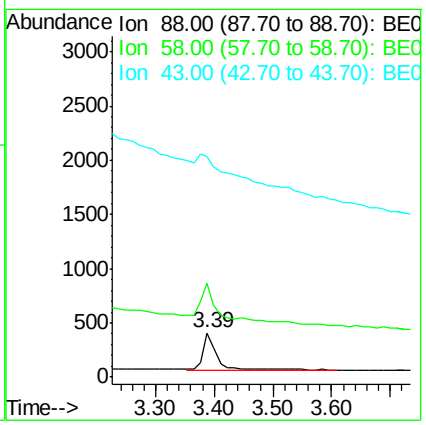


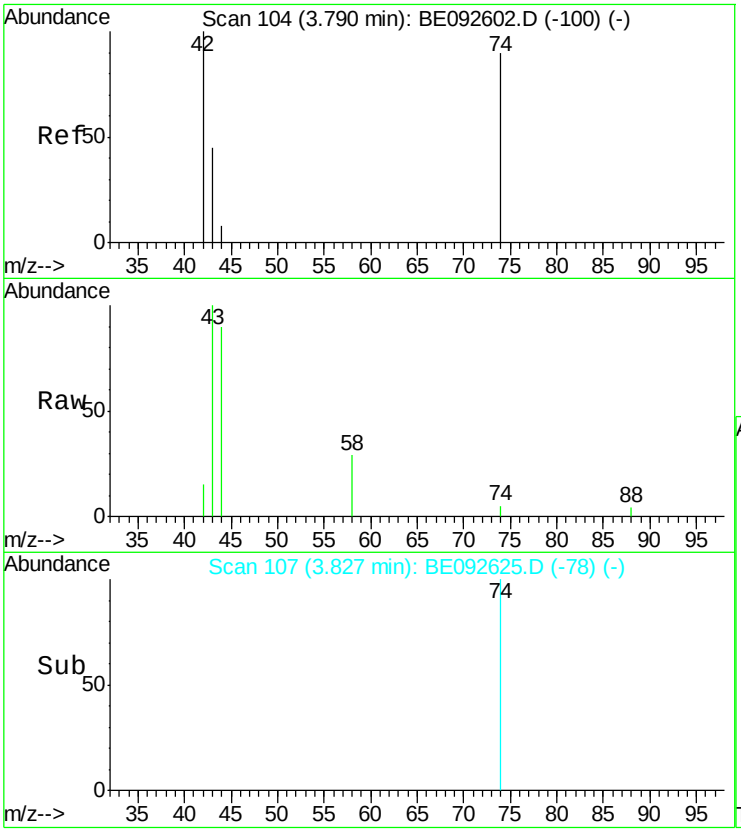


#2
1,4-Dioxane
Concen: 0.27 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion: 88 Resp: 528

Ion	Ratio	Lower	Upper
88	100		
58	225.9	63.6	95.4#
43	0.0	28.0	42.0#



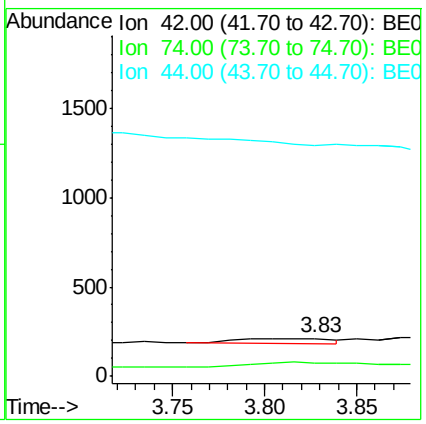


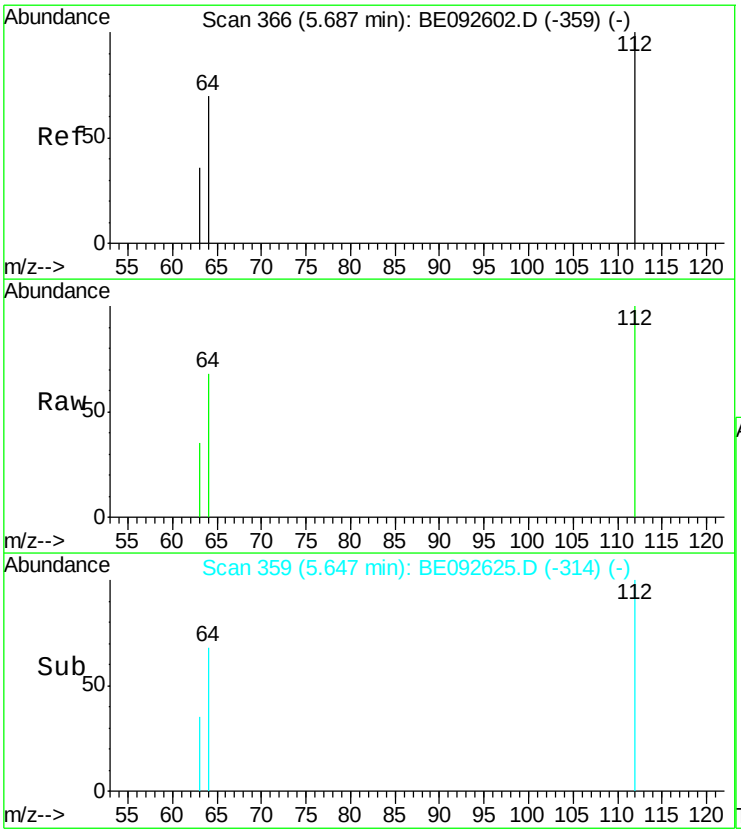
#3
n-Nitrosodimethylamine
Concen: 0.25 ng
RT: 3.83 min Scan# 107
Delta R.T. 0.04 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion: 42 Resp: 102

Ion	Ratio	Lower	Upper
42	100		
74	178.4	86.0	129.0#
44	0.0	5.1	7.7#

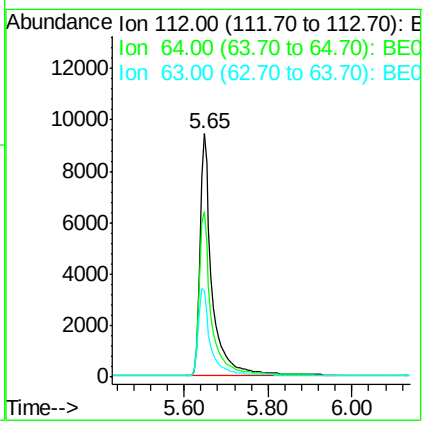


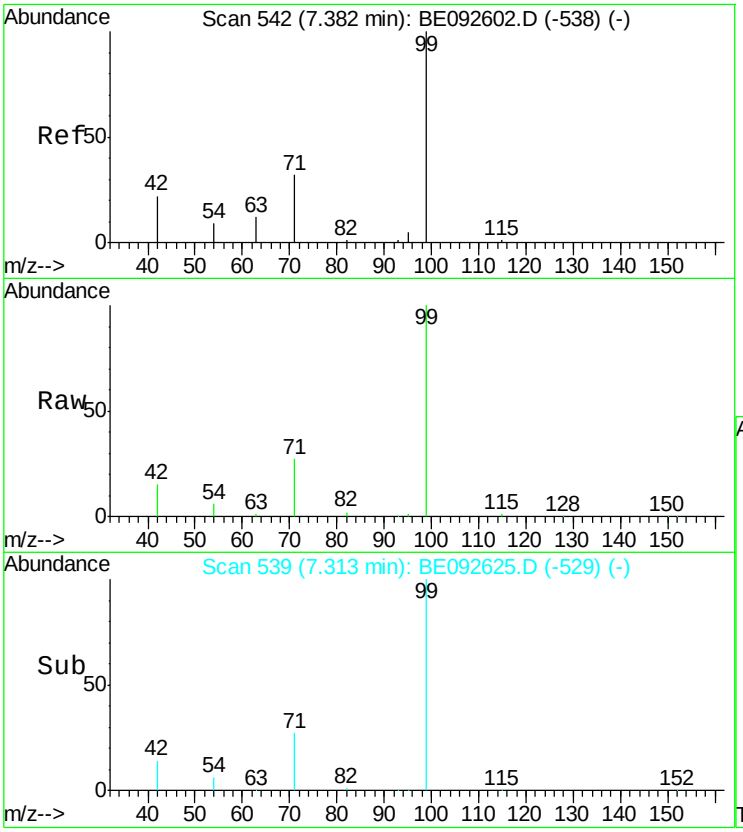


#4
2-Fluorophenol
Concen: 9.38 ng
RT: 5.65 min Scan# 359
Delta R.T. -0.04 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:112 Resp: 19519

Ion	Ratio	Lower	Upper
112	100		
64	68.7	53.5	80.3
63	36.8	27.9	41.9



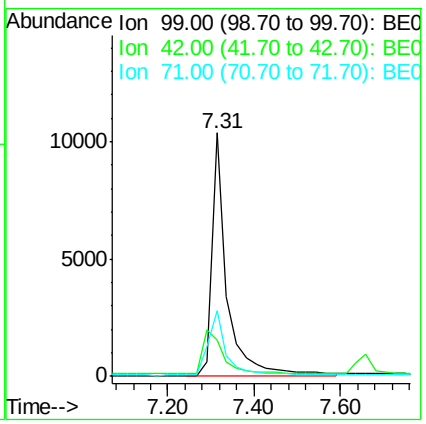


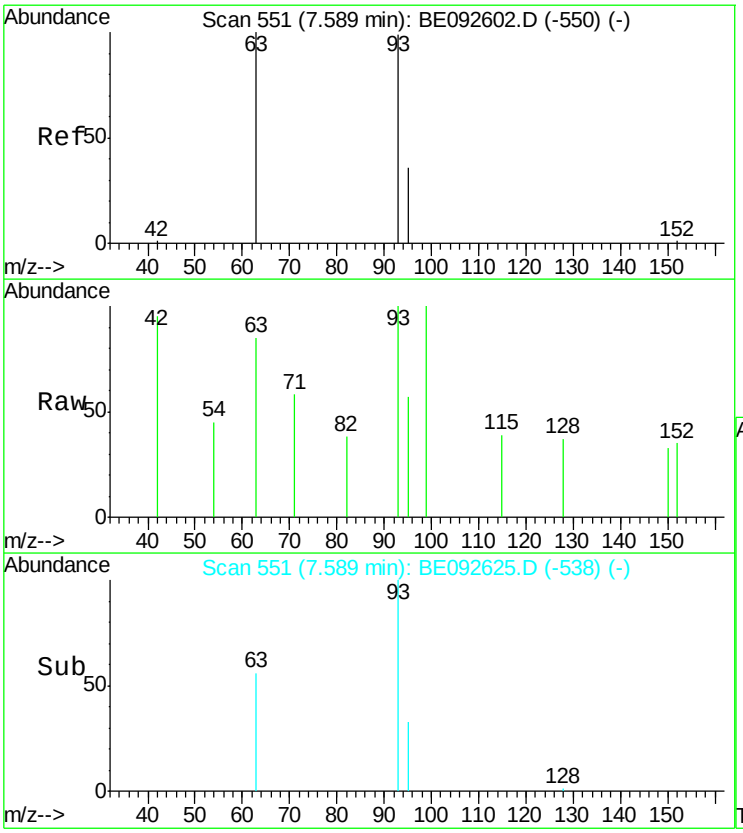
#5
Phenol-d6
Concen: 7.95 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.07 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion: 99 Resp: 25024

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	33.1	30.6	45.8

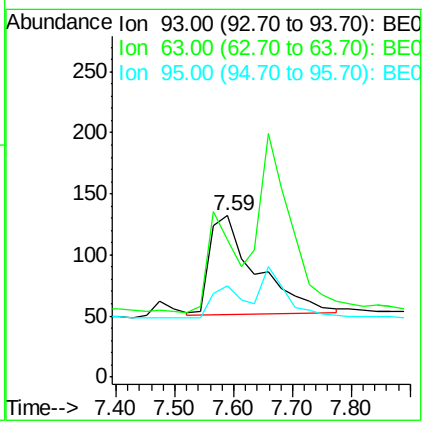


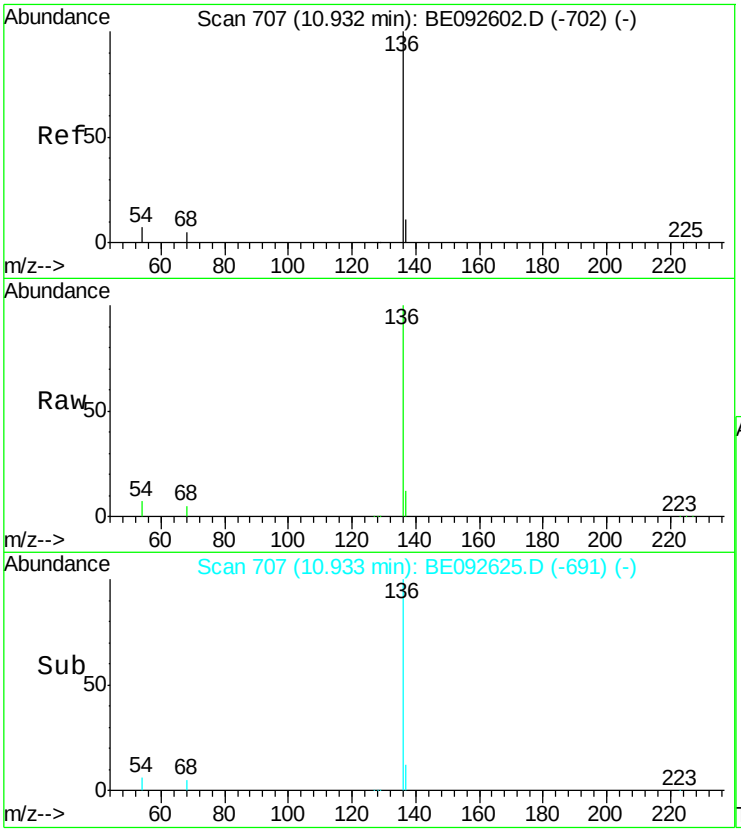


#6
bis(2-Chloroethyl)ether
Concen: 0.25 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion: 93 Resp: 441

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	22.0	24.0	36.0#



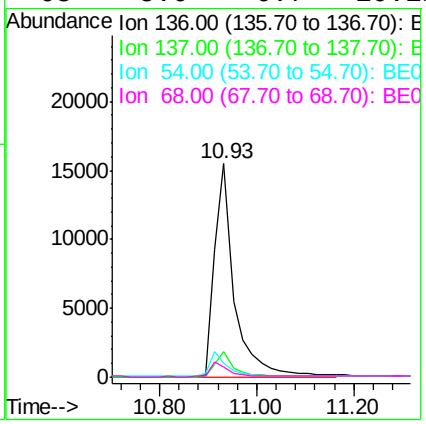


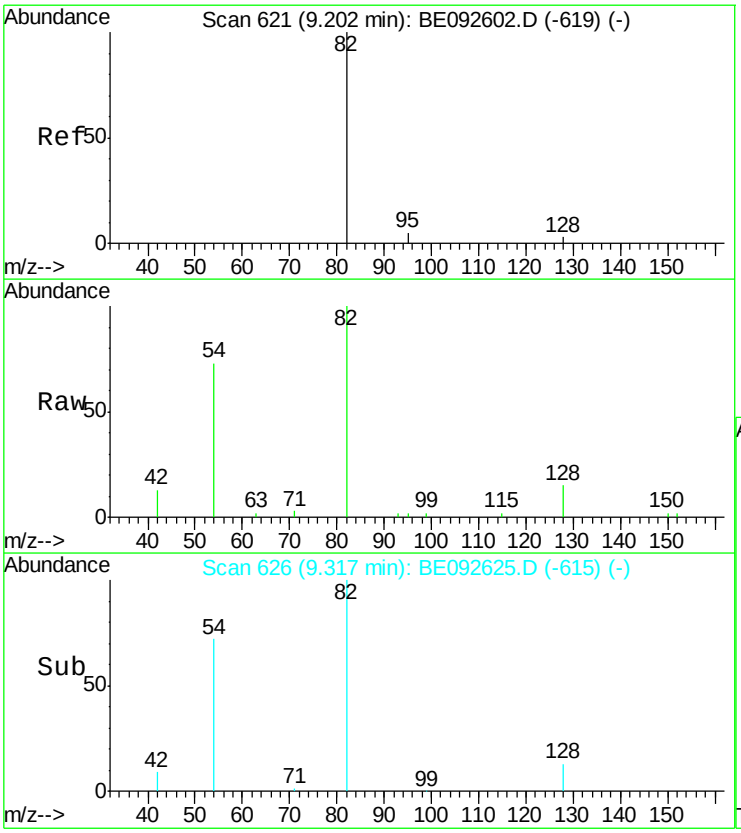
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:136 Resp: 43543

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.2	12.4
54	6.8	9.6	14.4#
68	5.0	6.7	10.1#

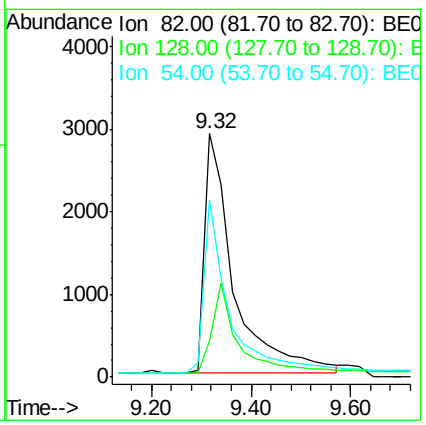


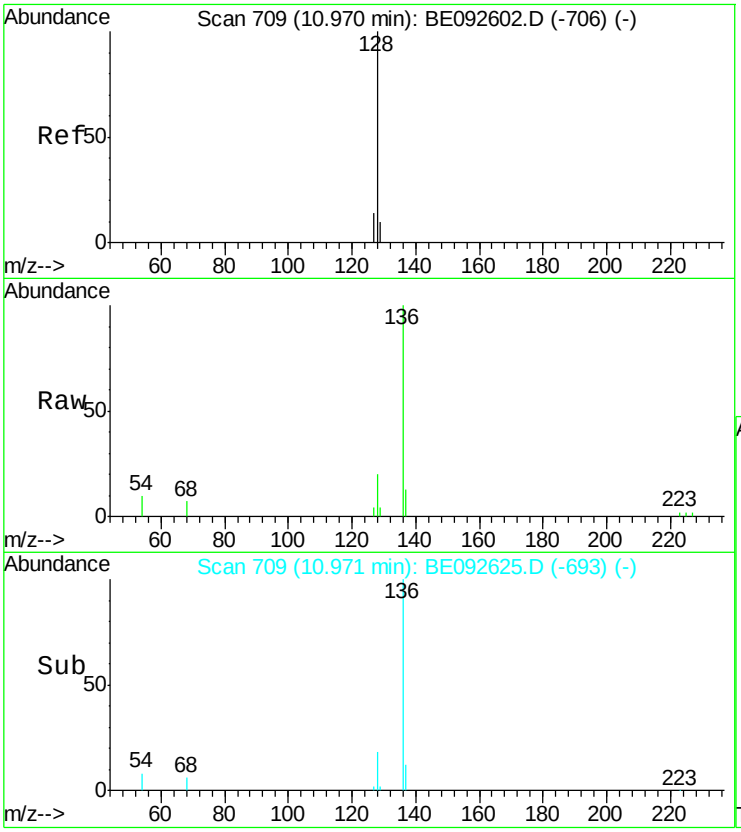


#8
Nitrobenzene-d5
Concen: 3.97 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion: 82 Resp: 11860

Ion	Ratio	Lower	Upper
82	100		
128	14.7	39.0	58.4#
54	72.9	44.8	67.2#



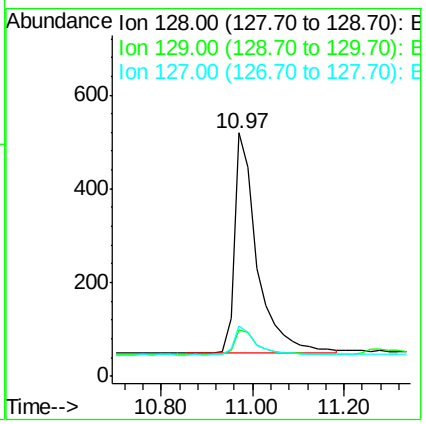


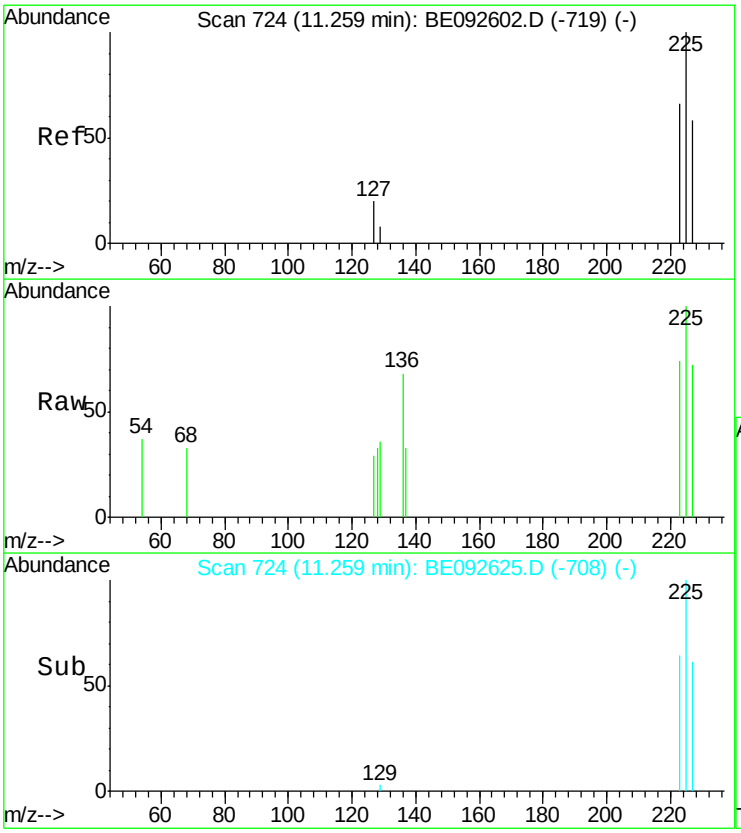
#9
Naphthalene
Concen: 0.18 ng
RT: 10.97 min Scan# 709
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:128 Resp: 1605

Ion	Ratio	Lower	Upper
128	100		
129	18.9	11.2	16.8#
127	20.6	11.6	17.4#

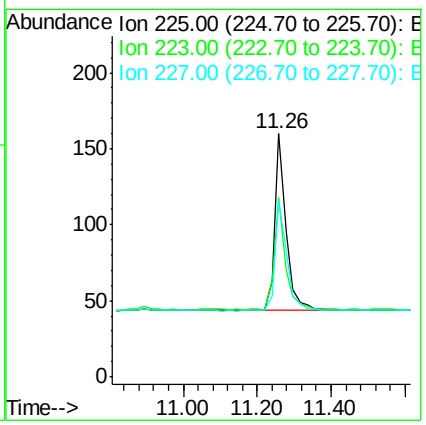


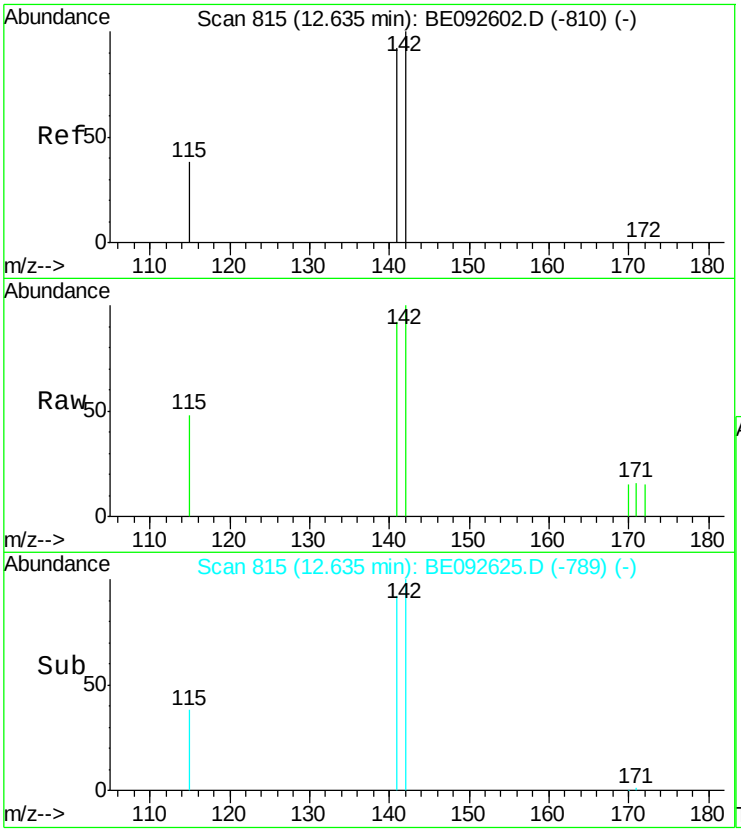


#10
Hexachlorobutadiene
Concen: 0.18 ng
RT: 11.26 min Scan# 724
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:225 Resp: 241

Ion	Ratio	Lower	Upper
225	100		
223	67.6	50.6	76.0
227	71.0	51.4	77.0



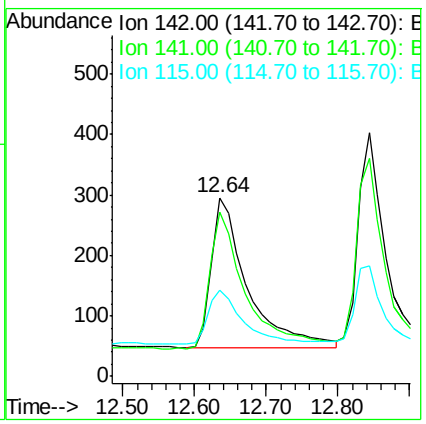


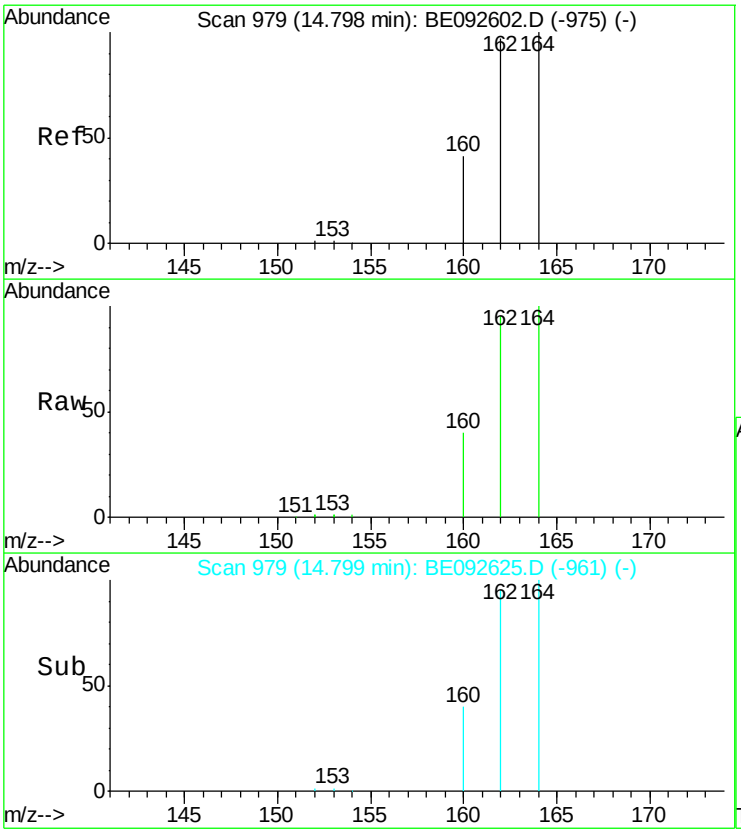
#11
2-Methylnaphthalene
Concen: 0.15 ng
RT: 12.64 min Scan# 815
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:142 Resp: 861

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.7	110.5
115	48.3	34.0	51.0

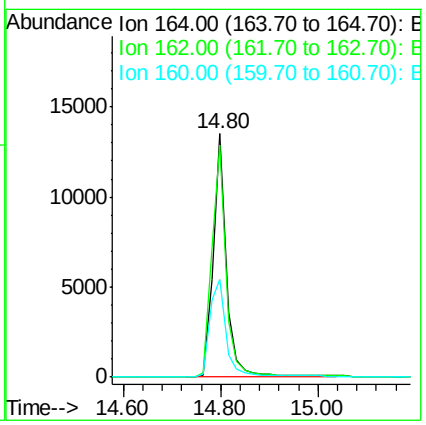


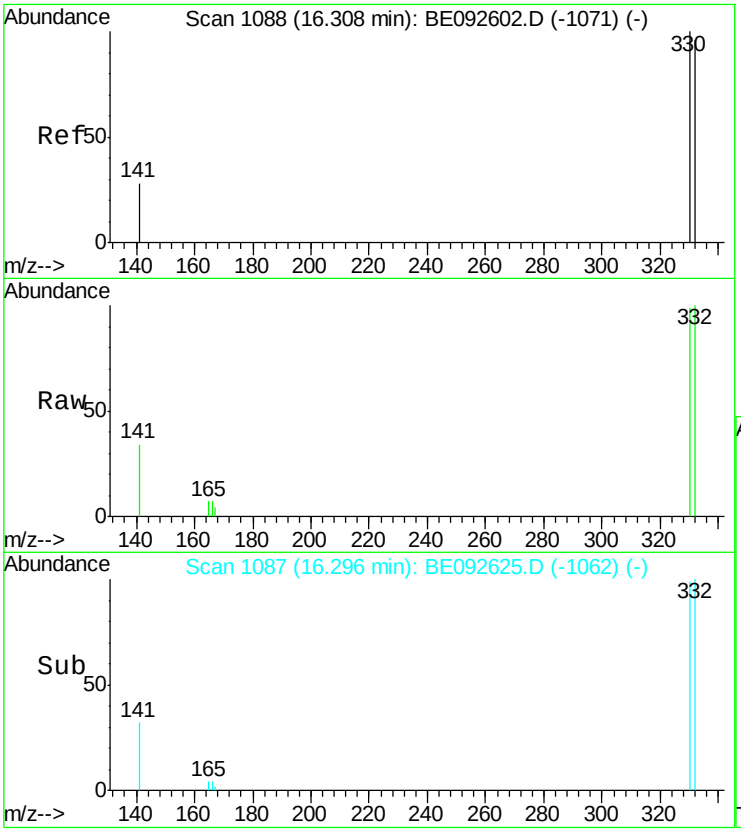


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:164 Resp: 24893

Ion	Ratio	Lower	Upper
164	100		
162	95.3	71.4	107.0
160	40.2	27.4	41.2



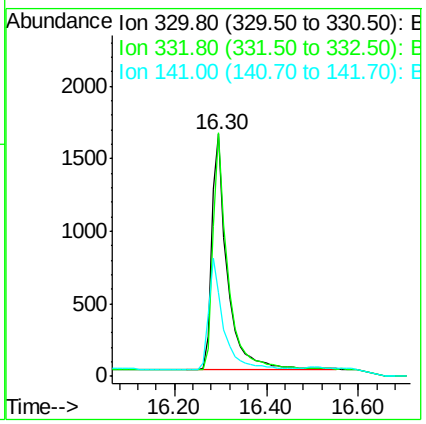


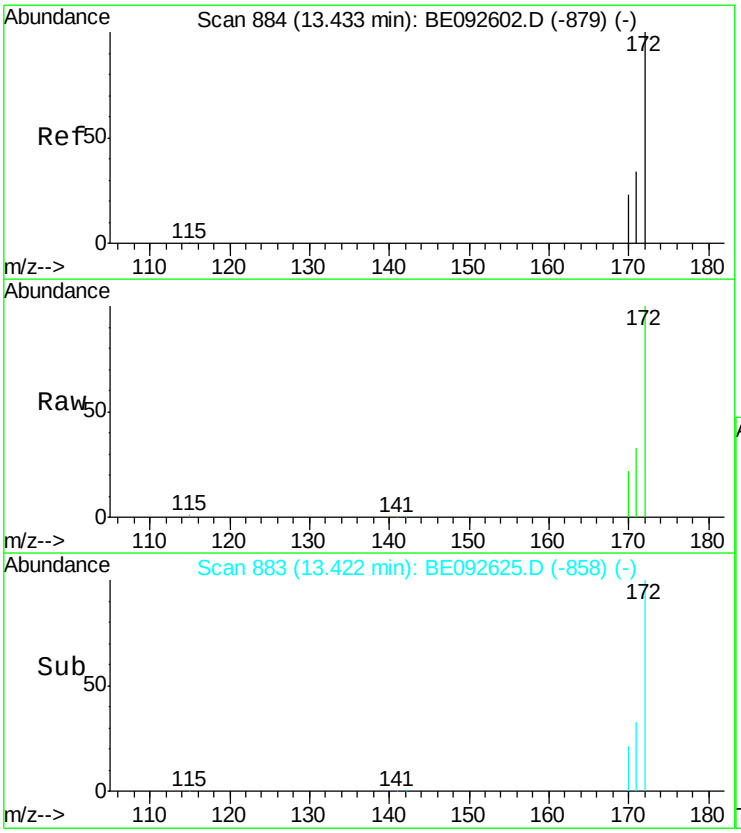
#13
2,4,6-Tribromophenol
Concen: 5.43 ng
RT: 16.30 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:330 Resp: 3866

Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.4	113.0
141	45.1	31.0	46.6

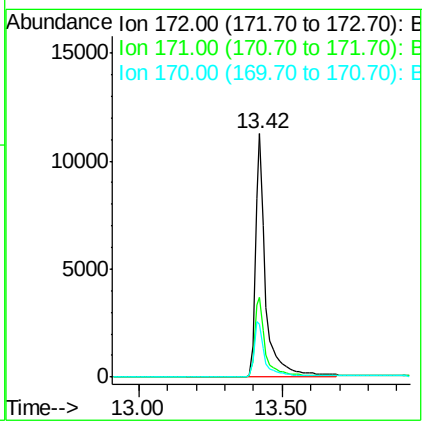


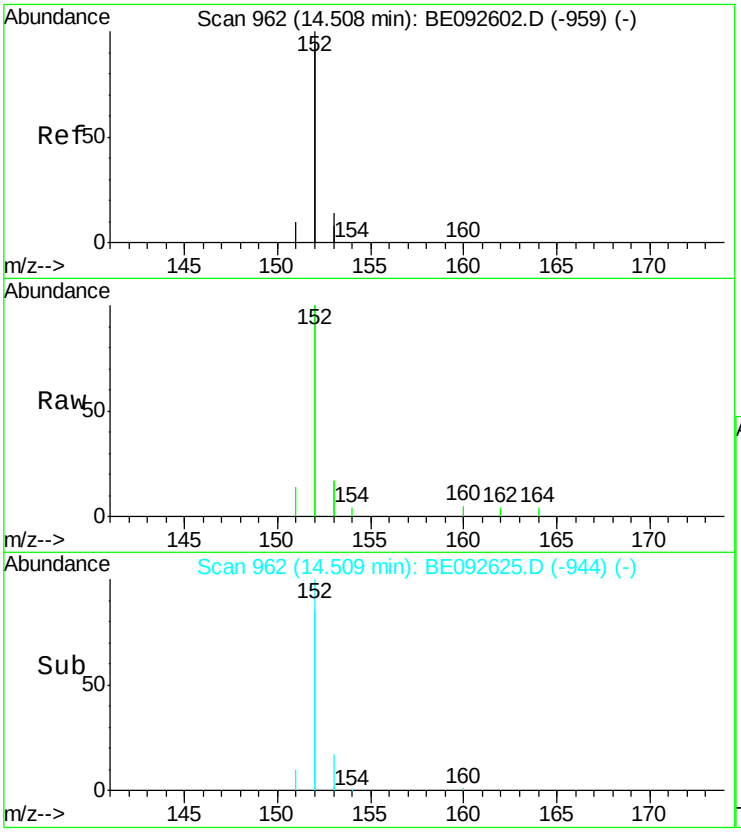


#14
2-Fluorobiphenyl
Concen: 4.52 ng
RT: 13.42 min Scan# 883
Delta R.T. -0.01 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:172 Resp: 26928

Ion	Ratio	Lower	Upper
172	100		
171	32.9	30.1	45.1
170	21.6	21.8	32.6#



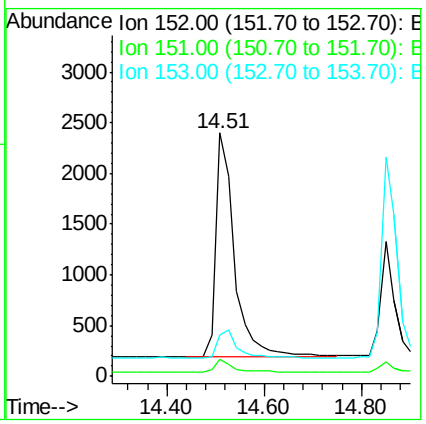


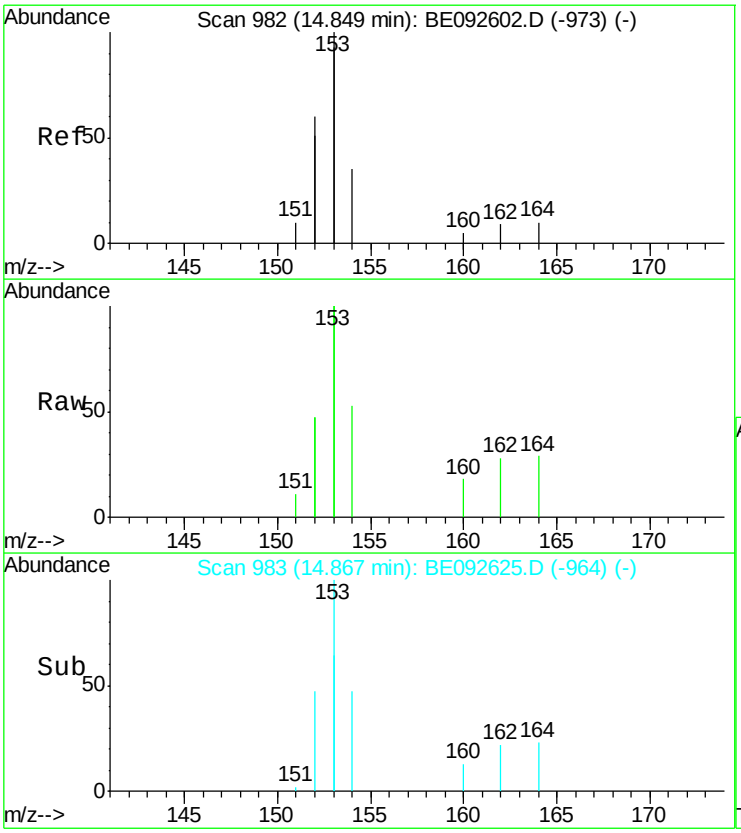
#15
Acenaphthylene
Concen: 0.17 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:152 Resp: 5850

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.9	10.4	15.6

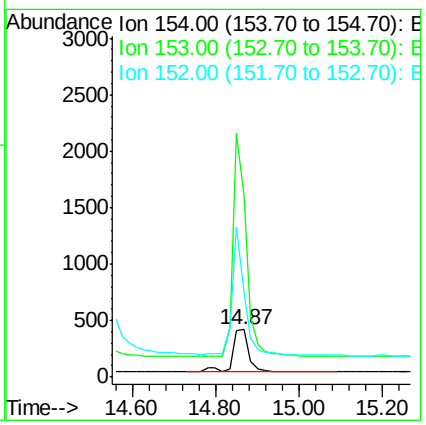


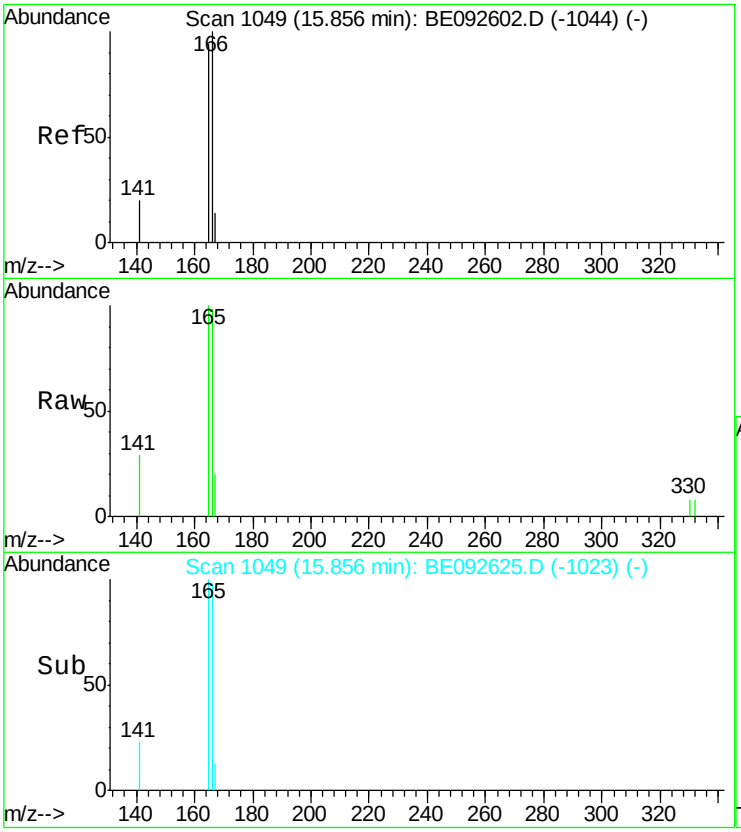


#16
Acenaphthene
Concen: 0.19 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.02 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:154 Resp: 1048

Ion	Ratio	Lower	Upper
154	100		
153	415.1	350.8	526.2
152	220.0	171.1	256.7



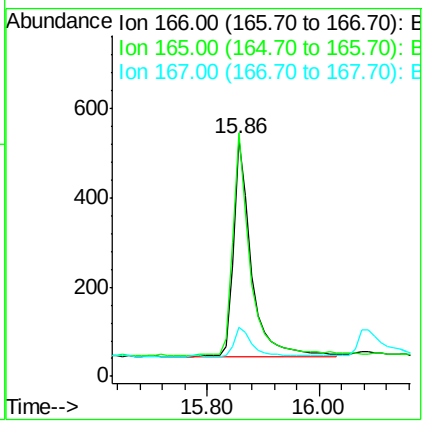


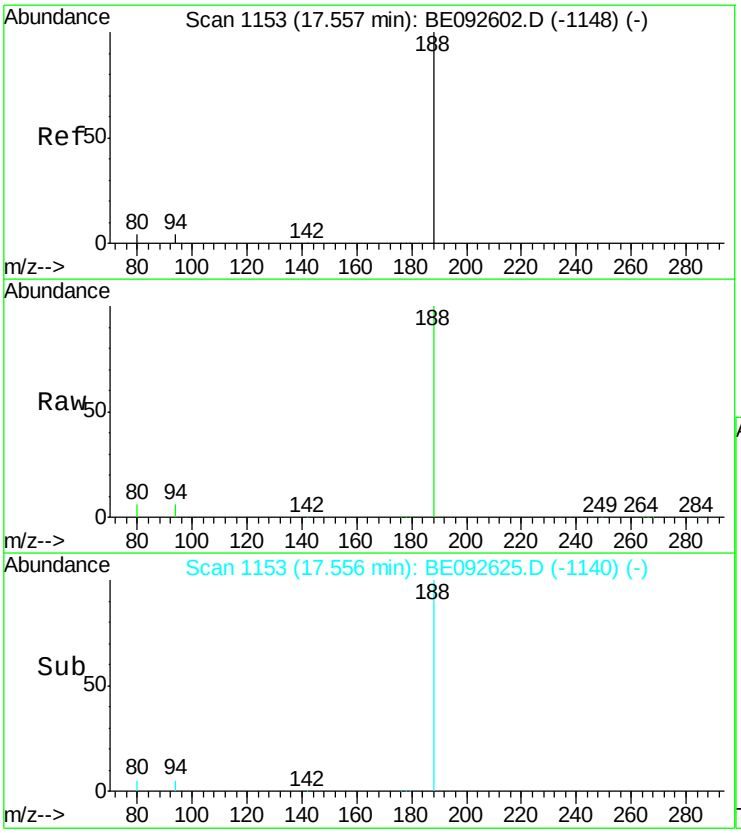
#17
Fluorene
Concen: 0.15 ng
RT: 15.86 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:166 Resp: 1078

Ion	Ratio	Lower	Upper
166	100		
165	102.1	78.2	117.4
167	13.8	11.0	16.4

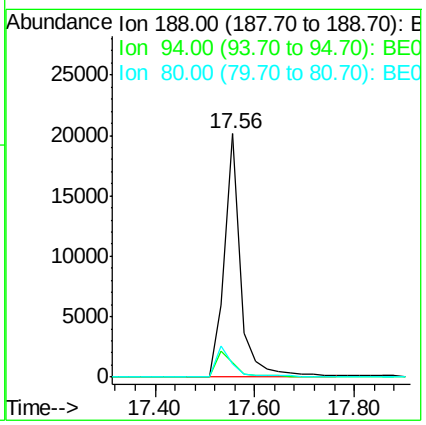


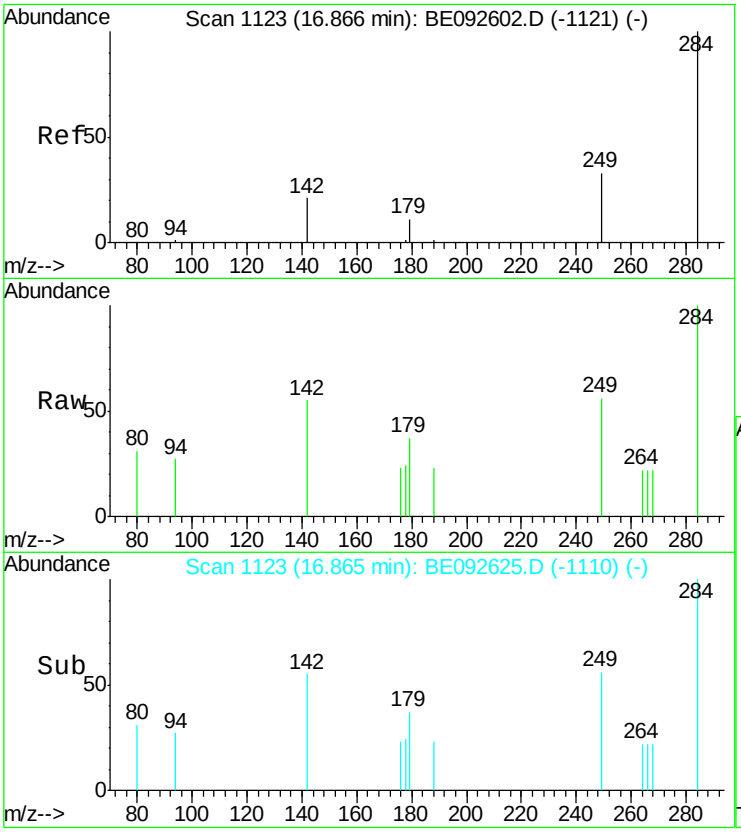


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:188 Resp: 45271

Ion	Ratio	Lower	Upper
188	100		
94	5.7	3.2	4.8#
80	5.5	2.6	3.8#



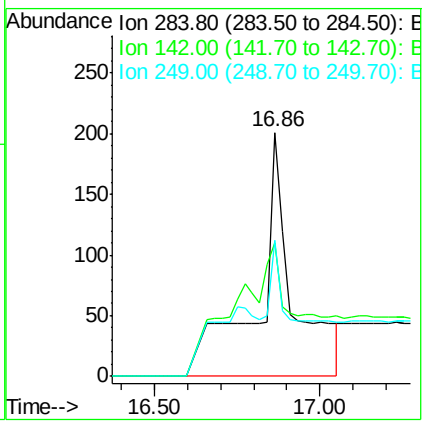


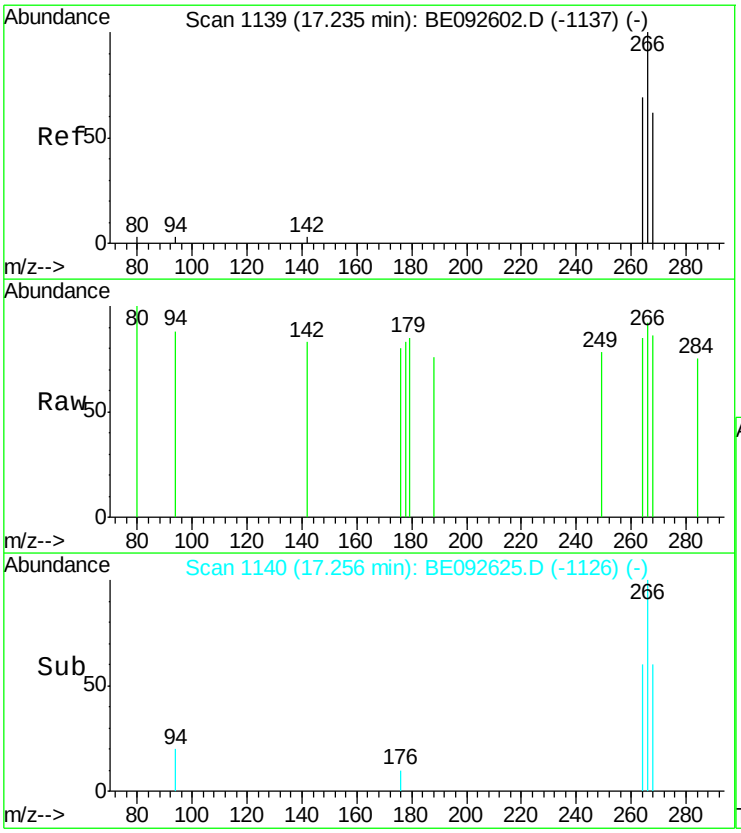
#19
Hexachlorobenzene
Concen: 0.81 ng
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:284 Resp: 1562

Ion	Ratio	Lower	Upper
284	100		
142	107.6	29.1	43.7#
249	18.8	27.9	41.9#

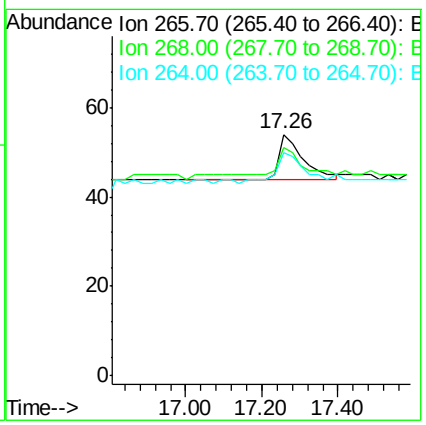


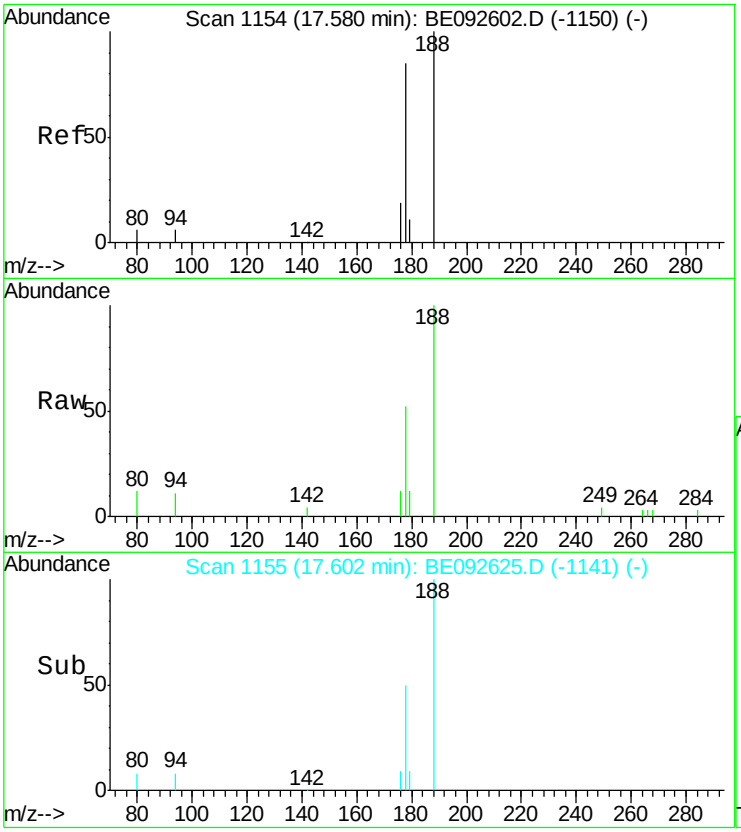


#20
Pentachlorophenol
Concen: 0.17 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:266 Resp: 43

Ion	Ratio	Lower	Upper
266	100		
268	94.4	62.5	93.7#
264	92.6	57.2	85.8#



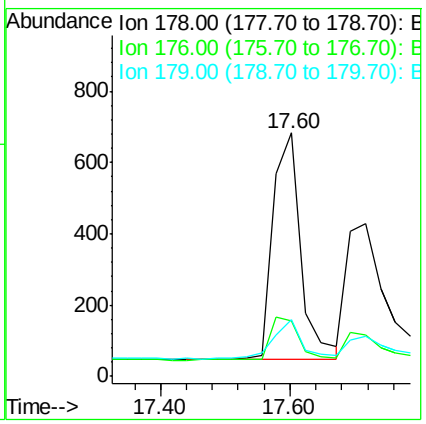


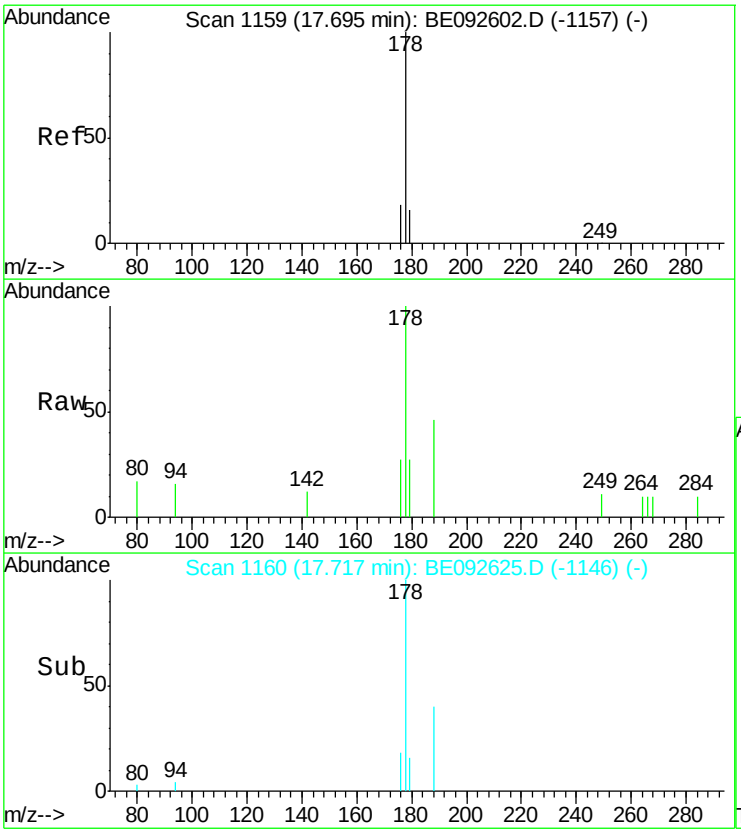
#21
Phenanthrene
Concen: 0.17 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.02 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:178 Resp: 1916

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	18.1	16.0	24.0

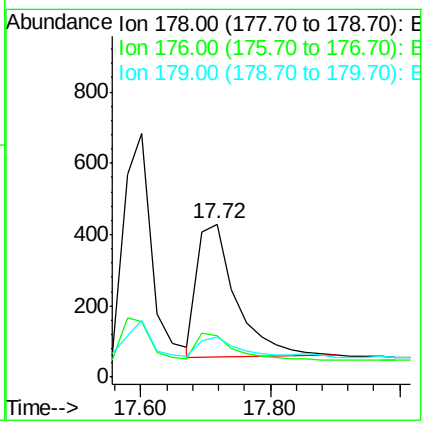


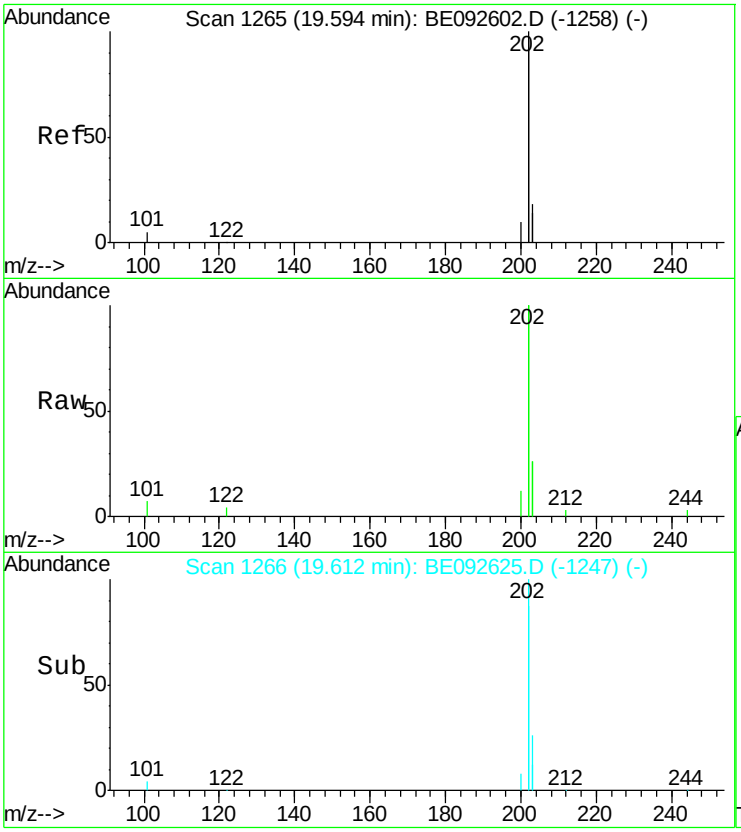


#22
Anthracene
Concen: 0.15 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:178 Resp: 1552

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



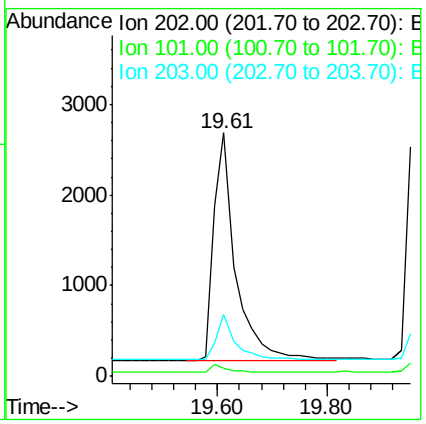


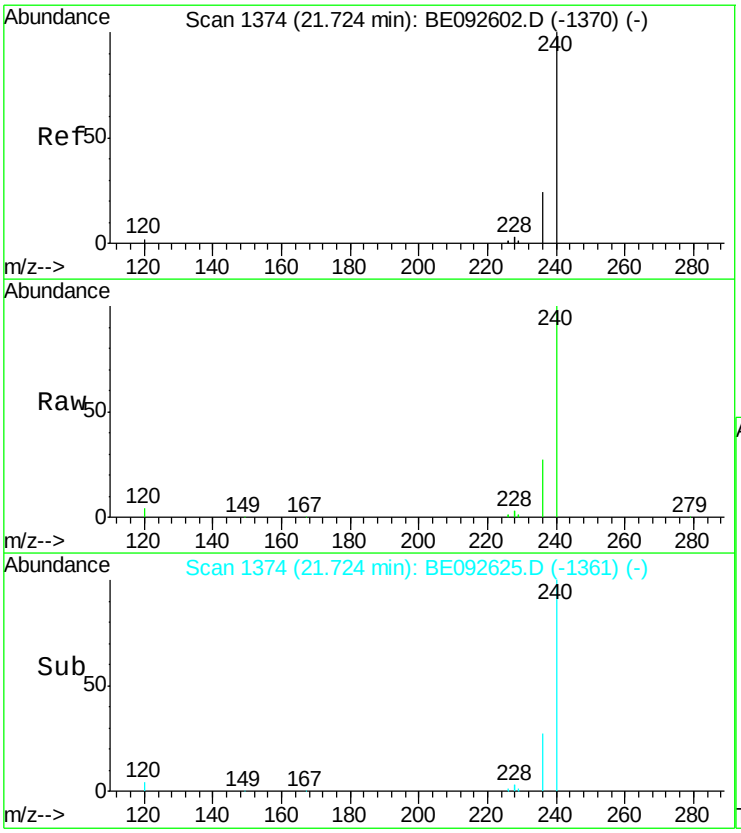
#23
Fluoranthene
Concen: 0.14 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.02 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:202 Resp: 6936

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.9	13.7	20.5

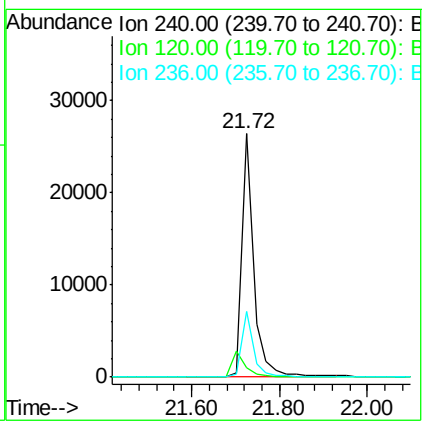


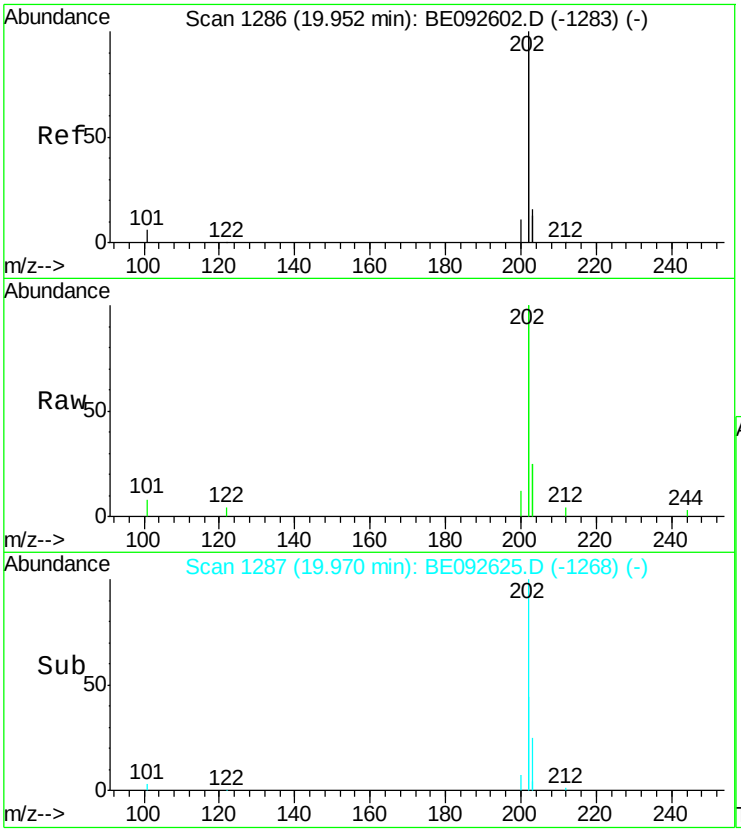


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:240 Resp: 48715

Ion	Ratio	Lower	Upper
240	100		
120	4.0	2.6	4.0#
236	27.1	24.6	37.0



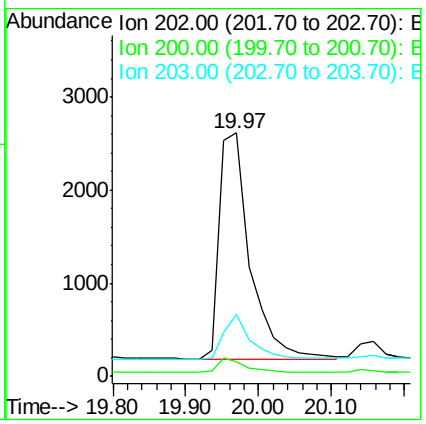


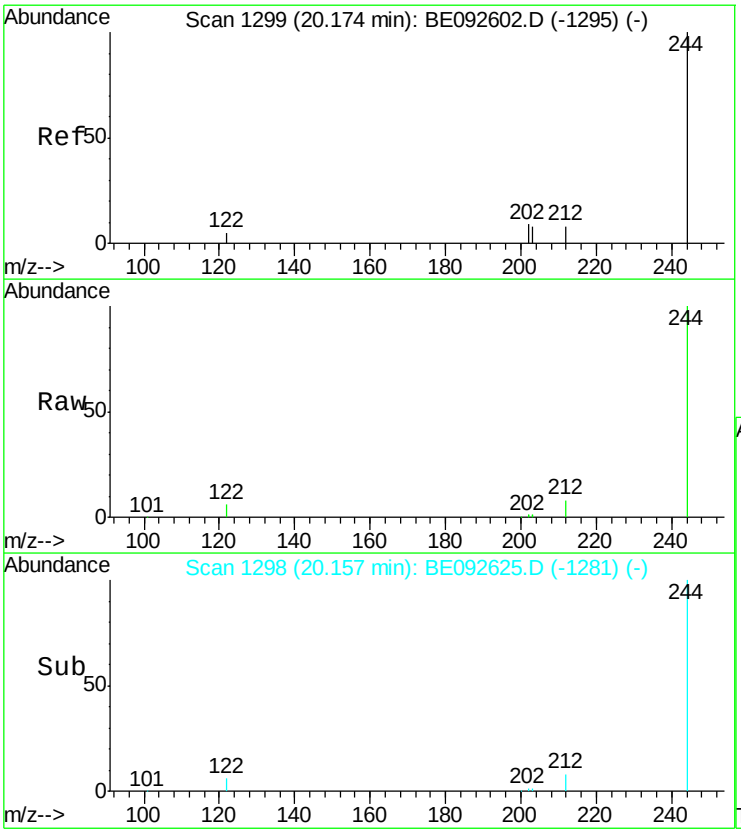
#25
Pyrene
Concen: 0.16 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.02 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:202 Resp: 7030

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.3	13.9	20.9

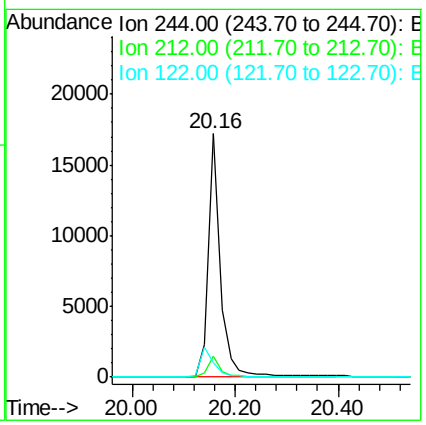


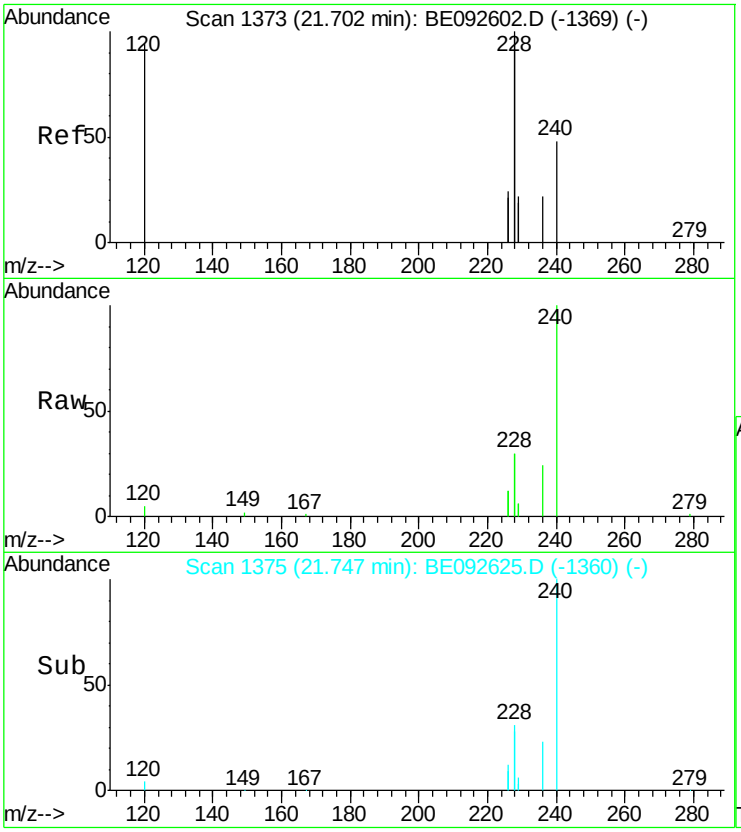


#26
Terphenyl-d14
Concen: 4.62 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:244 Resp: 27613

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.7	10.1
122	6.1	3.6	5.4#



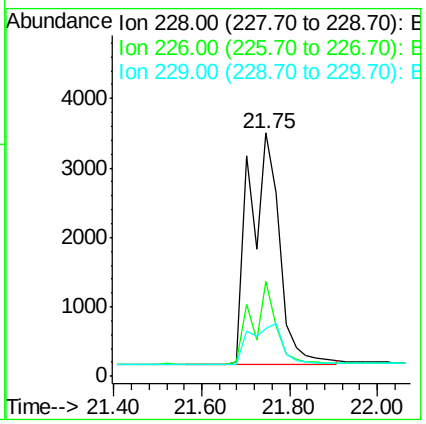


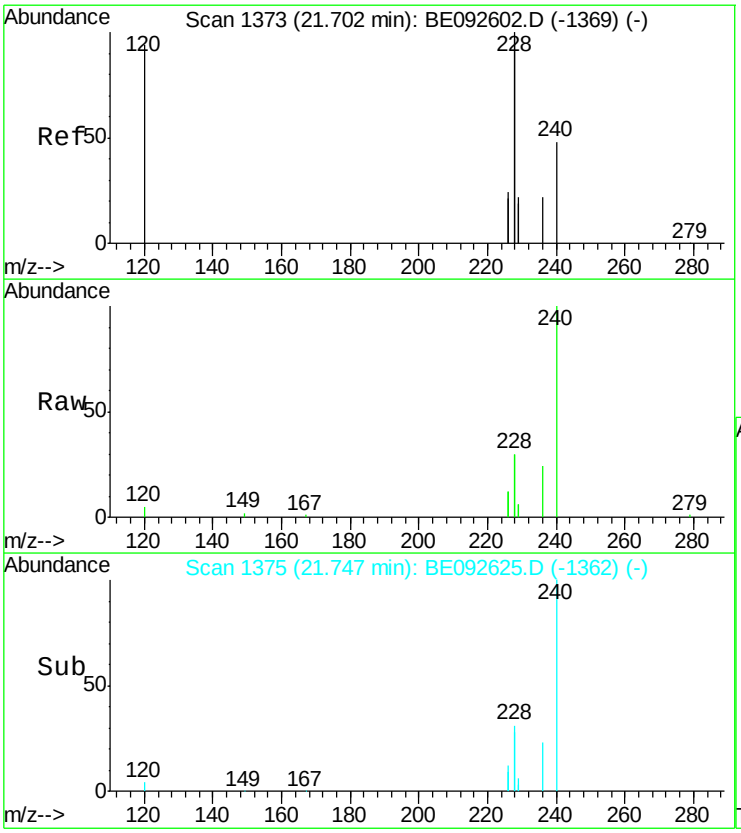
#27
Benzo(a)anthracene
Concen: 0.36 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.05 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:228 Resp: 15766

Ion	Ratio	Lower	Upper
228	100		
226	39.0	23.6	35.4#
229	19.4	13.3	19.9

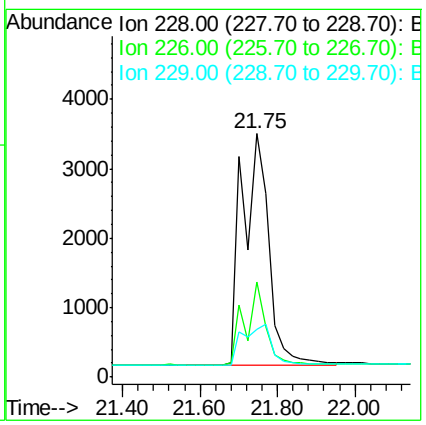


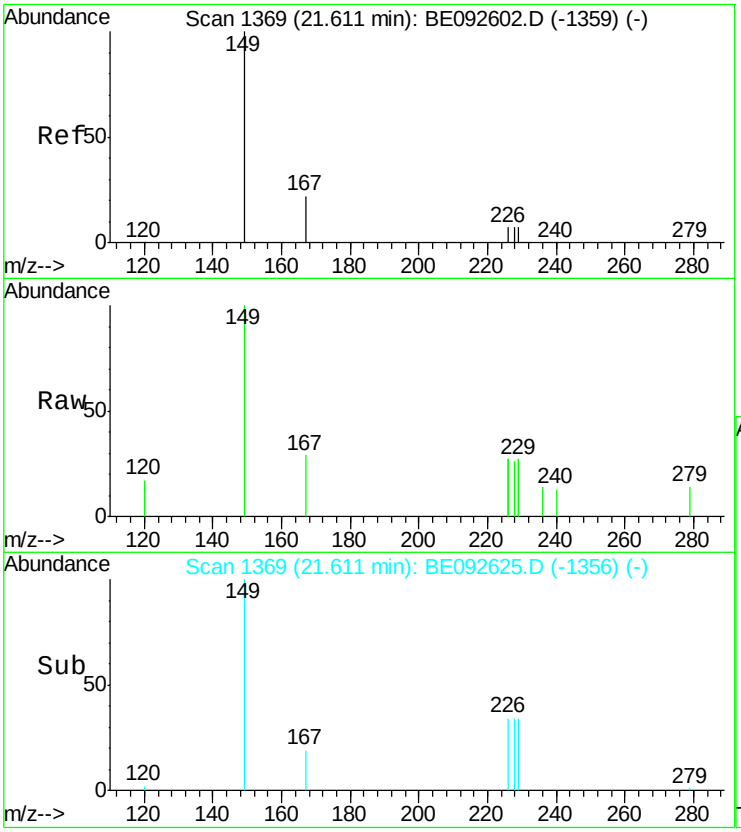


#28
Chrysene
Concen: 0.31 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:228 Resp: 15872

Ion	Ratio	Lower	Upper
228	100		
226	39.0	36.3	54.5
229	19.4	10.6	16.0#



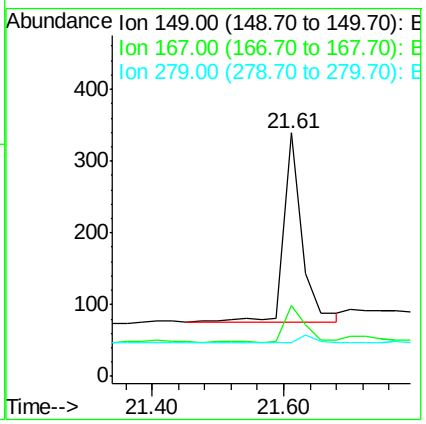


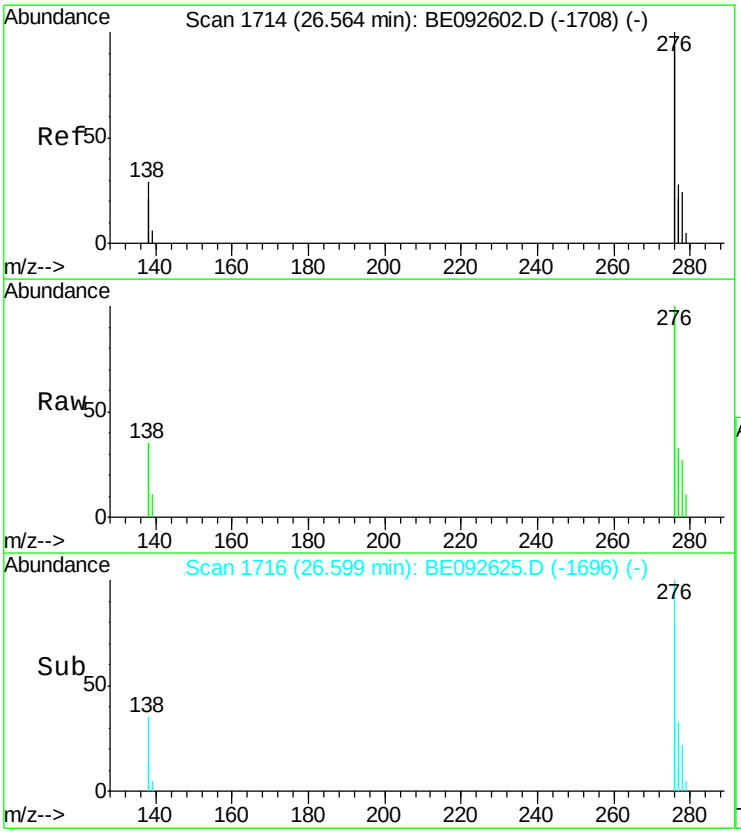
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.18 ng
RT: 21.61 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:149 Resp: 527

Ion	Ratio	Lower	Upper
149	100		
167	20.3	16.0	24.0
279	0.0	16.0	24.0#

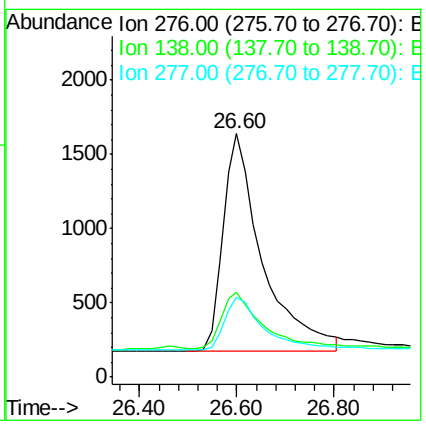


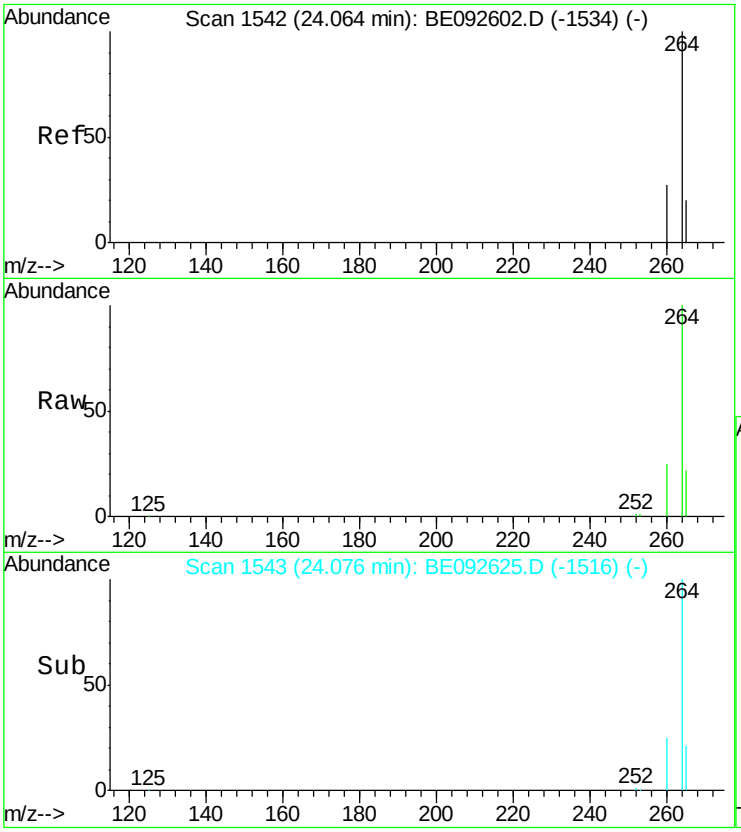


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.18 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.03 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:276 Resp: 8166

Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.3	30.5
277	24.5	19.7	29.5



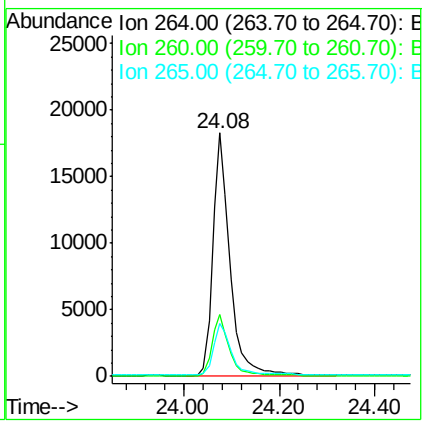


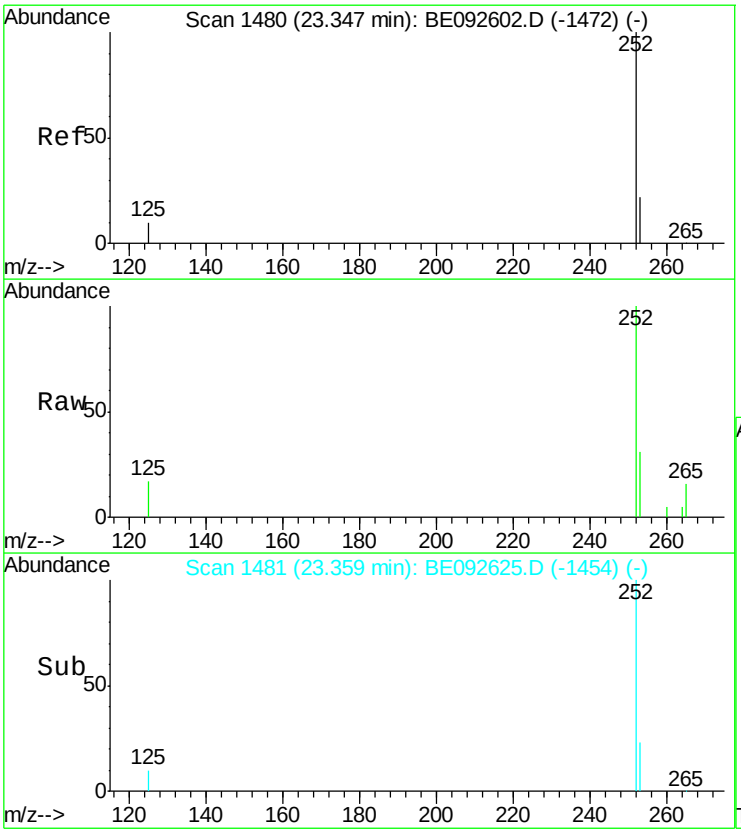
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. 0.01 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:264 Resp: 45832

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	21.7	17.9	26.9

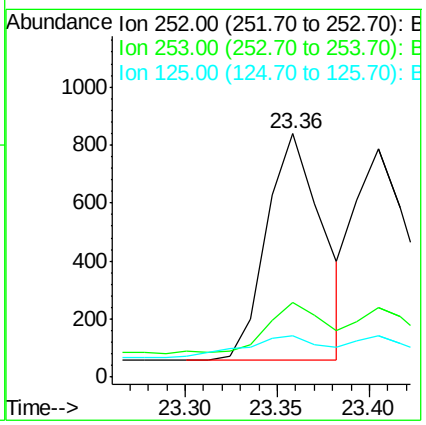


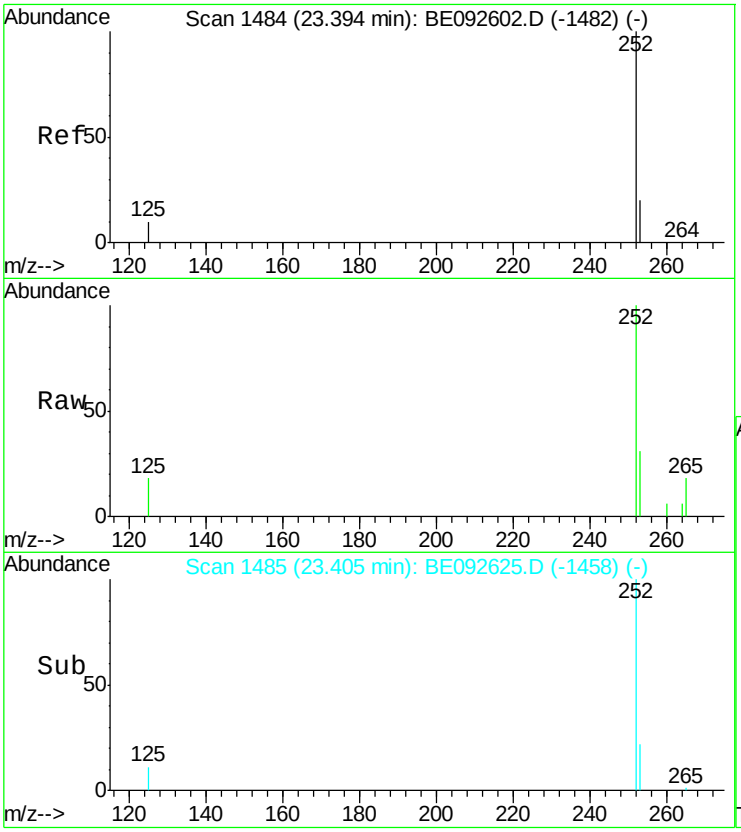


#32
Benzo(b)fluoranthene
Concen: 0.16 ng
RT: 23.36 min Scan# 1481
Delta R.T. 0.01 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:252 Resp: 1647

Ion	Ratio	Lower	Upper
252	100		
253	30.9	18.7	28.1#
125	16.9	10.5	15.7#



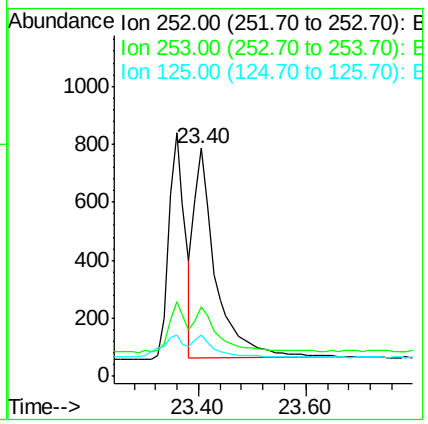


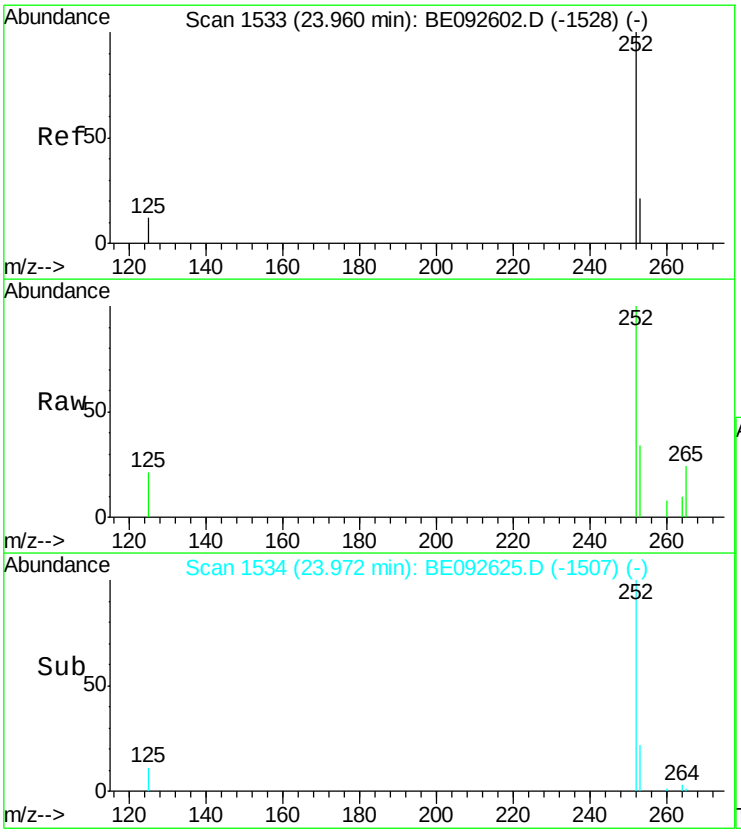
#33
Benzo(k)fluoranthene
Concen: 0.17 ng
RT: 23.40 min Scan# 1485
Delta R.T. 0.01 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:252 Resp: 1992

Ion	Ratio	Lower	Upper
252	100		
253	30.8	20.3	30.5#
125	17.9	9.6	14.4#

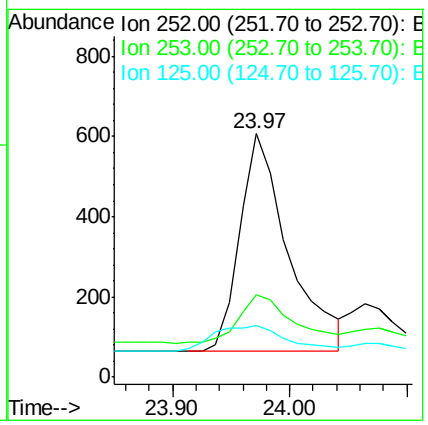


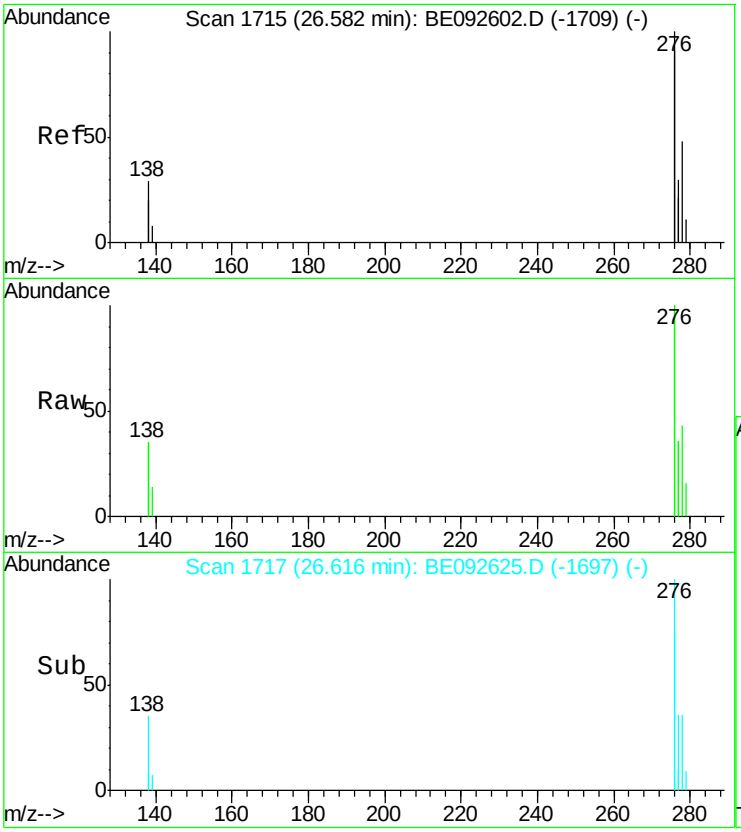


#34
Benzo(a)pyrene
Concen: 0.15 ng
RT: 23.97 min Scan# 1534
Delta R.T. 0.01 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:252 Resp: 1564

Ion	Ratio	Lower	Upper
252	100		
253	33.8	19.0	28.6#
125	21.1	11.8	17.8#



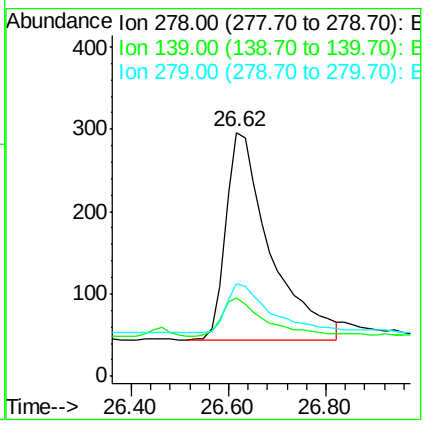


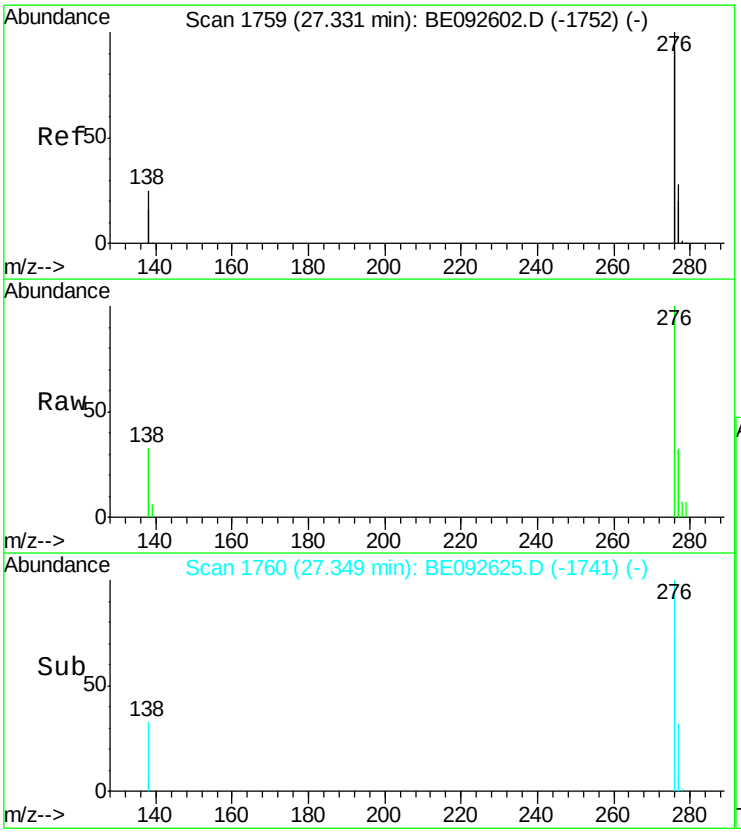
#35
Dibenzo(a,h)anthracene
Concen: 0.17 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.03 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:278 Resp: 1599

Ion	Ratio	Lower	Upper
278	100		
139	32.1	13.8	20.8#
279	38.2	21.4	32.2#





#36
Benzo(g,h,i)perylene
Concen: 0.18 ng
RT: 27.35 min Scan# 1760
Delta R.T. 0.02 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:276 Resp: 7626

Ion	Ratio	Lower	Upper
276	100		
277	31.9	19.8	29.8#
138	32.9	19.8	29.6#