Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092624.D
Acq On : 27 Dec 2016 15:59
Operator : UM/SJ
Sample : H6103-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 28 01:25:42 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	11269	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	46322	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	26795	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	48333	5.00	ng		0.00
24) Chrysene-d12	21.72	240	51585	5.00	ng		0.00
31) Perylene-d12	24.08	264	48714	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.65	112	20813	9.51	ng		-0.03
5) Phenol-d6	7.31	99	27339	8.26	ng		-0.07
8) Nitrobenzene-d5	9.32	82	12535	3.95	ng		-0.04
13) 2,4,6-Tribromophenol	16.30	330	4115	5.38	ng		-0.01
14) 2-Fluorobiphenyl	13.42	172	28457	4.44	ng		-0.01
26) Terphenyl-d14	20.16	244	29105	4.60	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.40	88	253	0.02	ng	#	1
3) n-Nitrosodimethylamine	3.80	42	113	0.26	ng	#	24
6) bis(2-Chloroethyl)ether	7.59	93	442	0.24	ng	#	26
9) Naphthalene	10.97	128	1672	0.18	ng	#	86
10) Hexachlorobutadiene	11.26	225	262	0.18	ng		96
11) 2-Methylnaphthalene	12.64	142	896	0.15	ng		97
15) Acenaphthylene	14.51	152	6189	0.17	ng		99
16) Acenaphthene	14.87	154	1109	0.18	ng		92
17) Fluorene	15.86	166	1154	0.15	ng		99
19) Hexachlorobenzene	16.86	284	1640	0.79	ng	#	32
20) Pentachlorophenol	17.26	266	54	0.20	ng	#	78
21) Phenanthrene	17.72	178	1370	0.11	ng		95
22) Anthracene	17.72	178	1649	0.15	ng		98
23) Fluoranthene	19.61	202	7159	0.14	ng		99
25) Pyrene	19.97	202	7232	0.16	ng		99
27) Benzo(a)anthracene	21.75	228	15883	0.34	ng	#	82
28) Chrysene	21.75	228	15991	0.30	ng	#	92
29) Bis(2-ethylhexyl)phthalate	21.61	149	523	0.17	ng	#	78
30) Indeno(1,2,3-cd)pyrene	26.58	276	8889	0.18	ng		99
32) Benzo(b)fluoranthene	23.36	252	1785	0.16	ng	#	87
33) Benzo(k)fluoranthene	23.41	252	2080	0.17	ng	#	87
34) Benzo(a)pyrene	23.97	252	1720	0.16	ng	#	83
35) Dibenzo(a,h)anthracene	26.62	278	1774	0.17	ng	#	77
36) Benzo(g,h,i)perylene	27.35	276	8154	0.19	ng	#	87

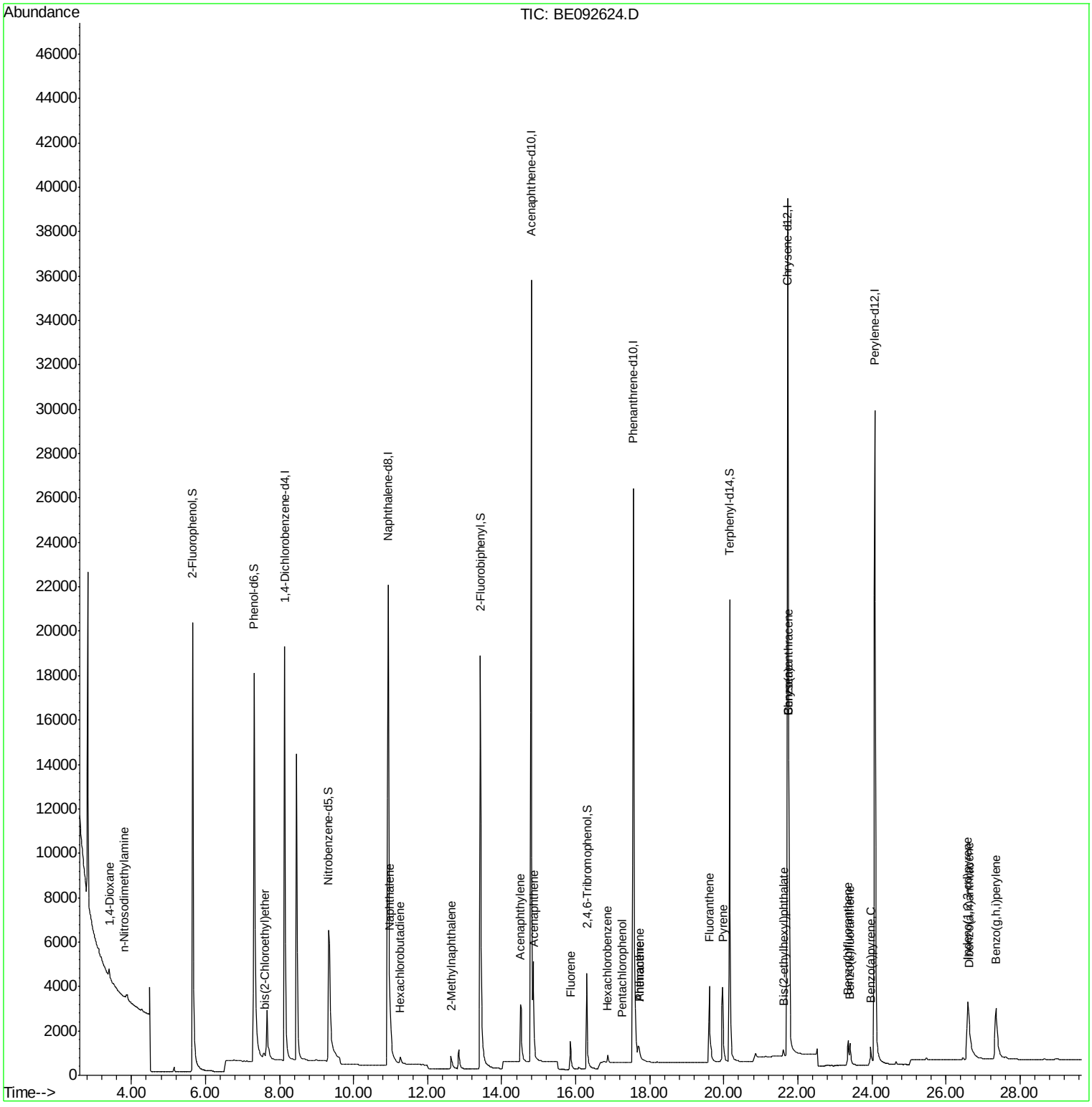
(#) = qualifier out of range (m) = manual integration (+) = signals summed

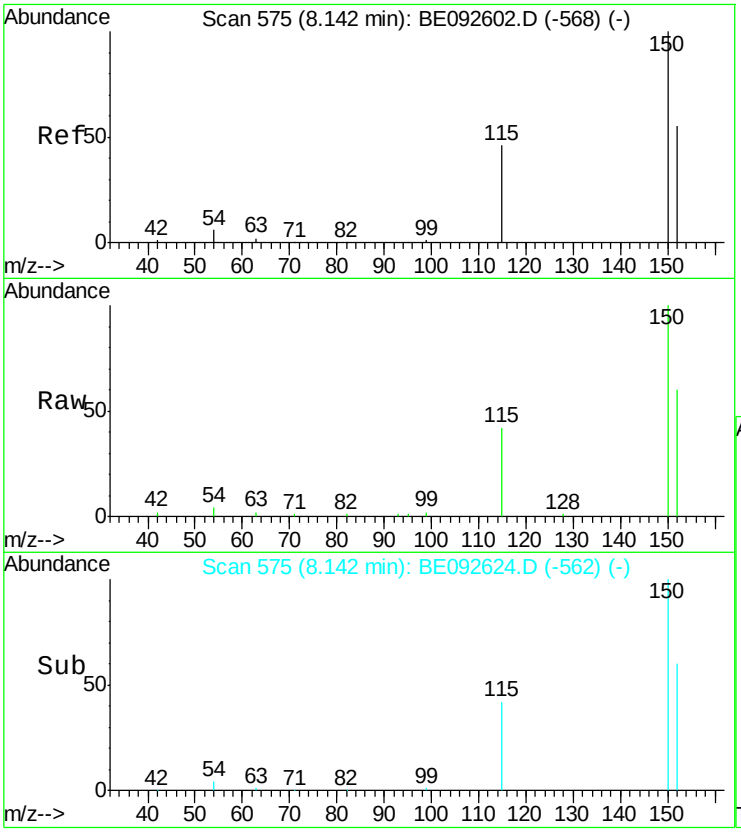
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092624.D
Acq On : 27 Dec 2016 15:59
Operator : UM/SJ
Sample : H6103-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 28 01:25:42 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



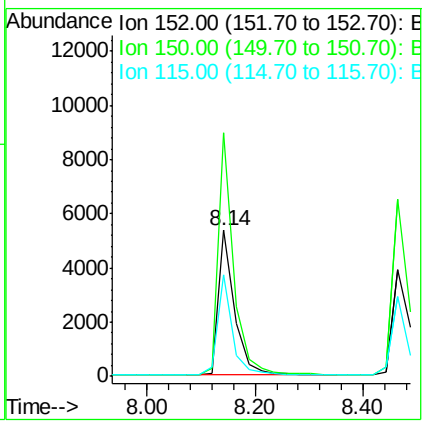


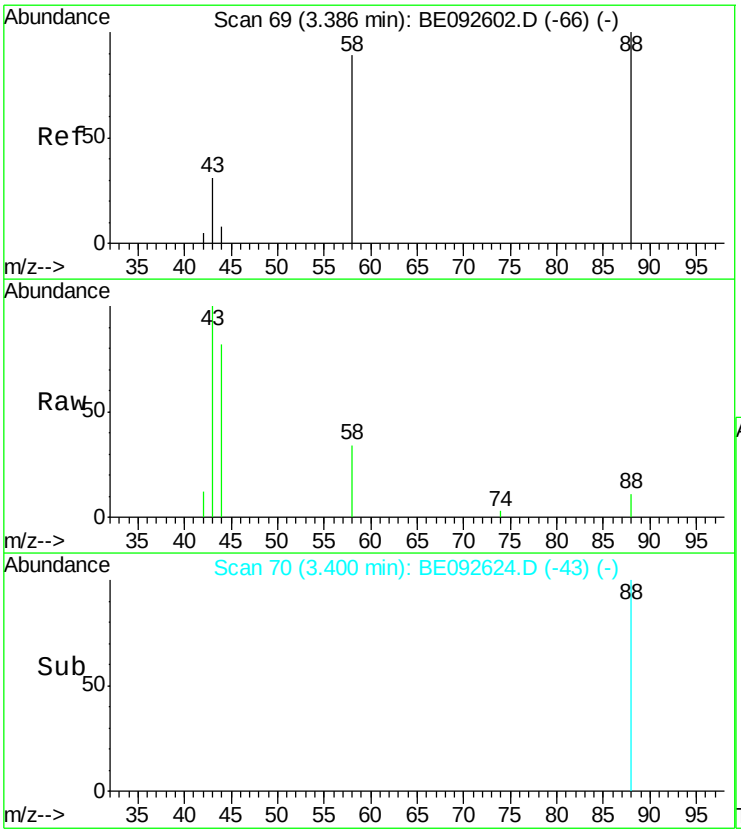
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. 0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:152 Resp: 11269

Ion	Ratio	Lower	Upper
152	100		
150	166.7	106.0	159.0#
115	69.9	31.2	46.8#

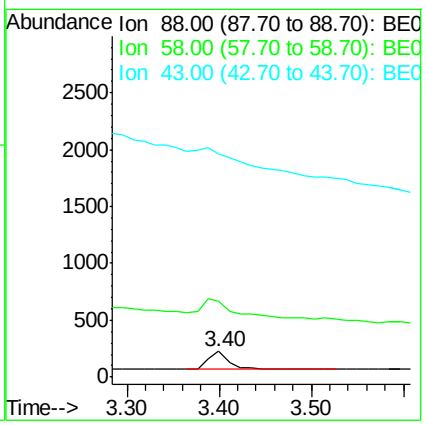


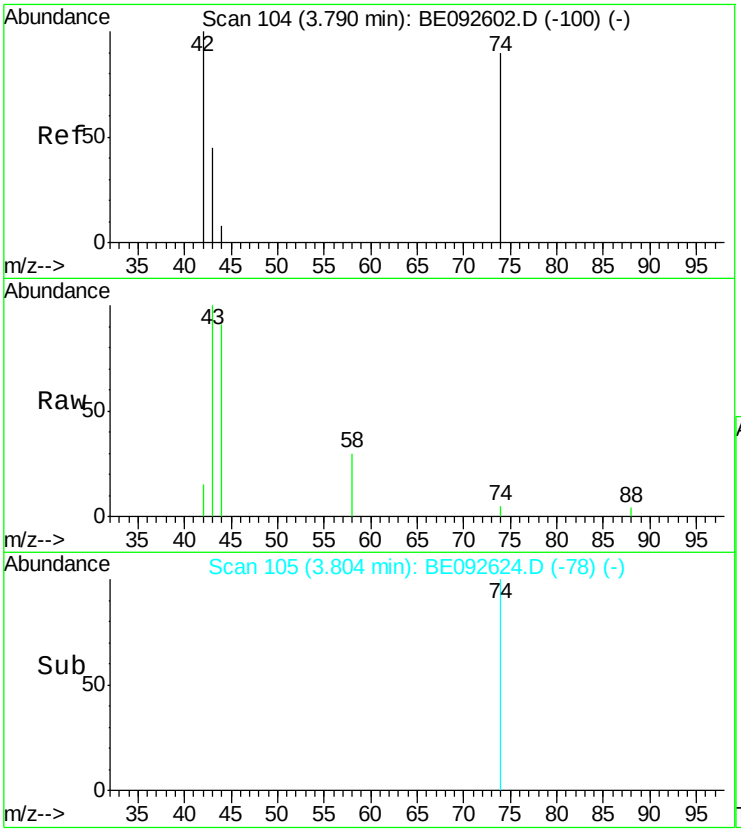


#2
1,4-Dioxane
Concen: 0.02 ng
RT: 3.40 min Scan# 70
Delta R.T. 0.01 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion: 88 Resp: 253

Ion	Ratio	Lower	Upper
88	100		
58	366.0	63.6	95.4#
43	0.0	28.0	42.0#



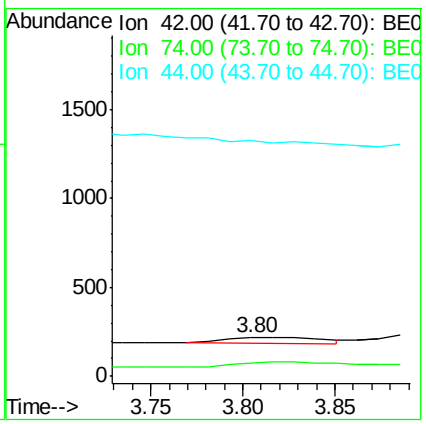


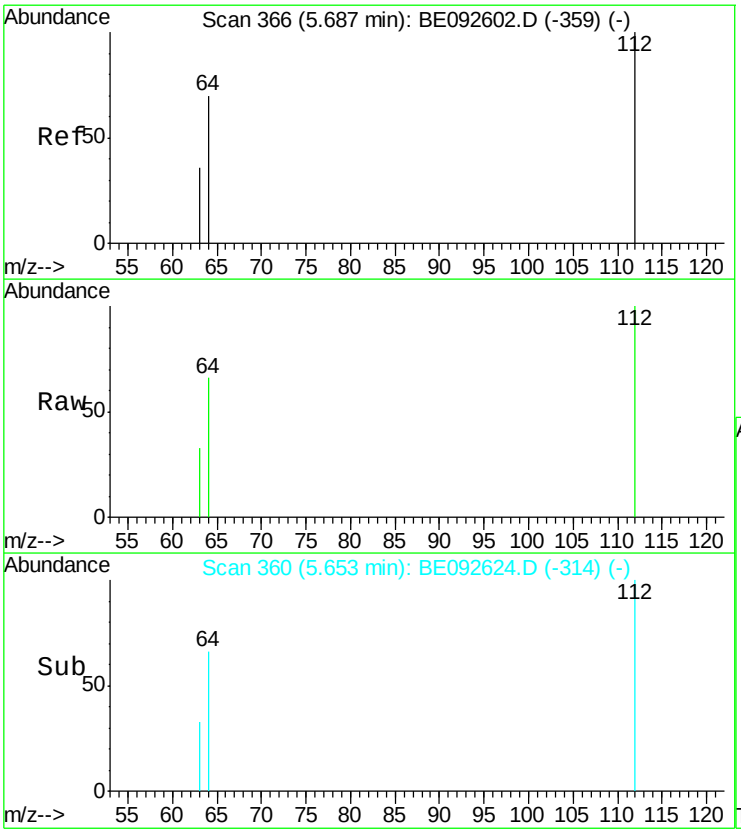
#3
n-Nitrosodimethylamine
Concen: 0.26 ng
RT: 3.80 min Scan# 105
Delta R.T. 0.01 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion: 42 Resp: 113

Ion	Ratio	Lower	Upper
42	100		
74	190.3	86.0	129.0#
44	0.0	5.1	7.7#

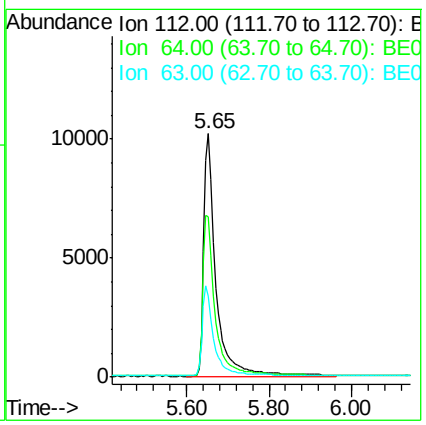


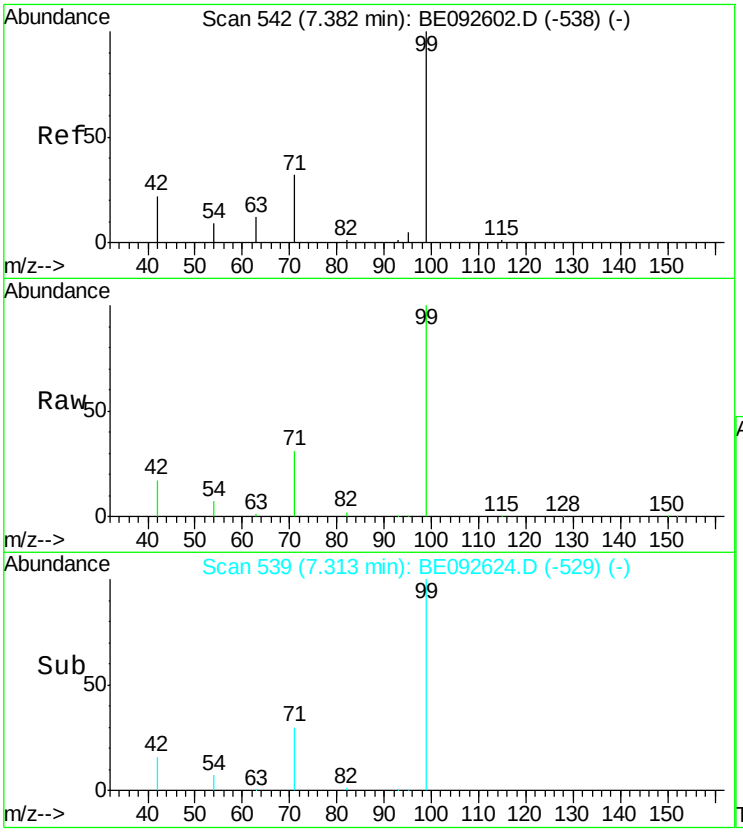


#4
2-Fluorophenol
Concen: 9.51 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.03 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:112 Resp: 20813

Ion	Ratio	Lower	Upper
112	100		
64	68.4	53.5	80.3
63	36.7	27.9	41.9



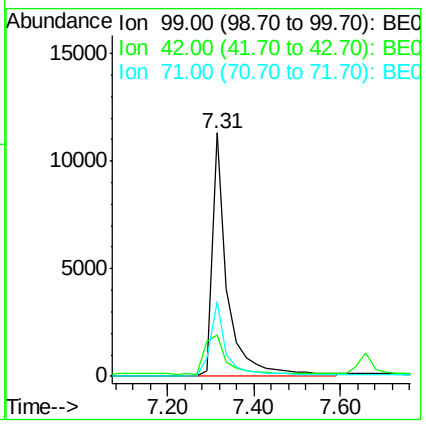


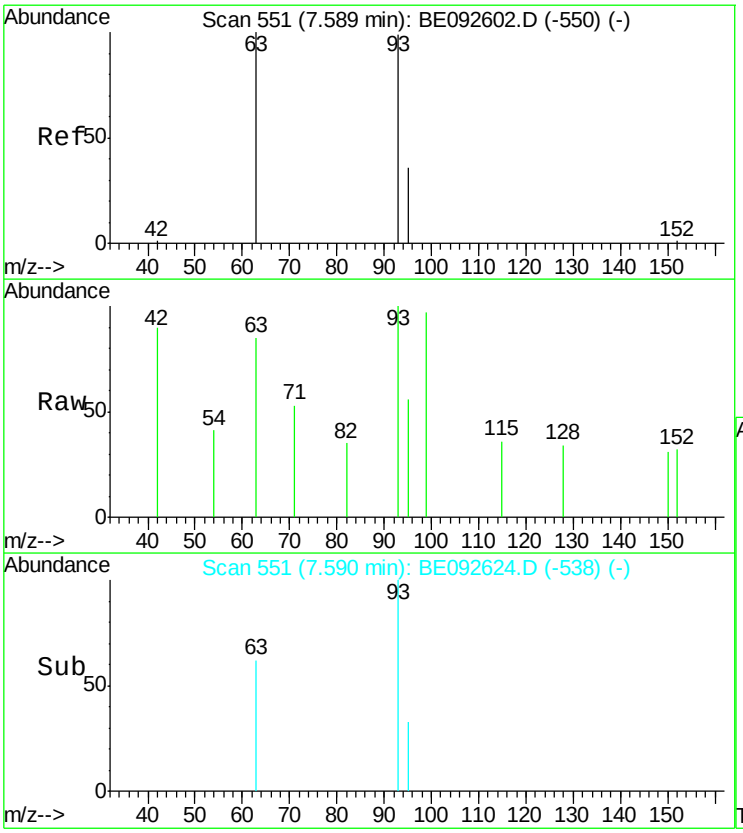
#5
Phenol-d6
Concen: 8.26 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.07 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion: 99 Resp: 27339

Ion	Ratio	Lower	Upper
99	100		
42	24.1	16.0	24.0#
71	32.7	30.6	45.8

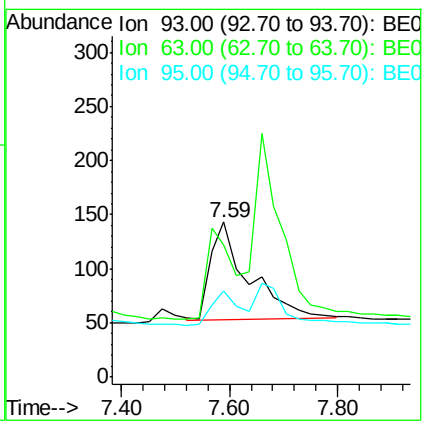


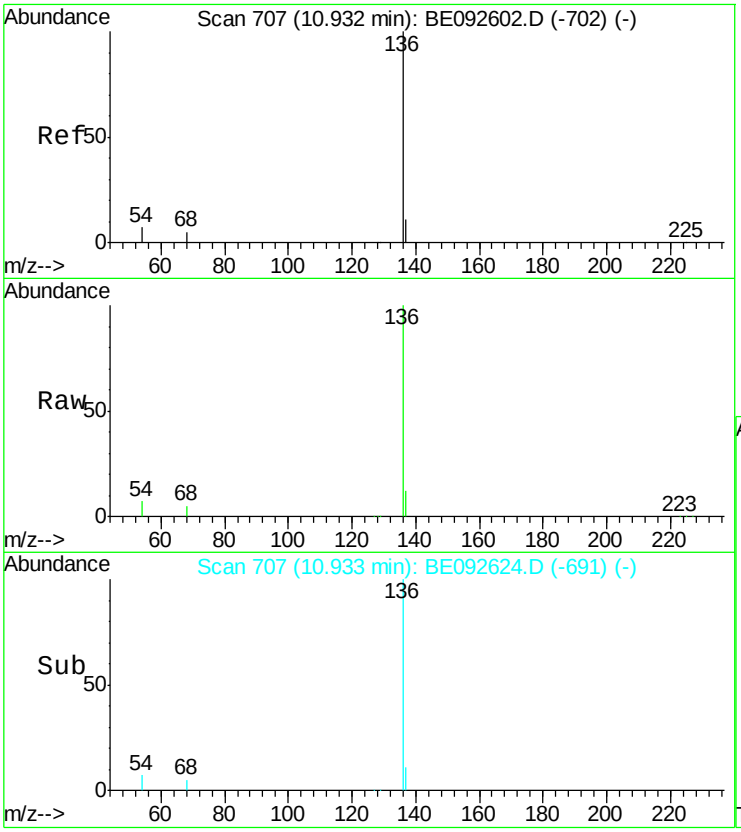


#6
bis(2-Chloroethyl)ether
Concen: 0.24 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion: 93 Resp: 442

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	25.3	24.0	36.0



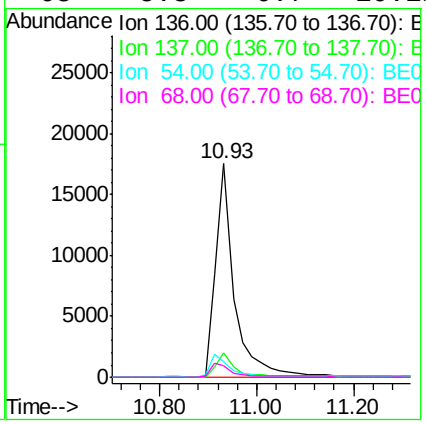


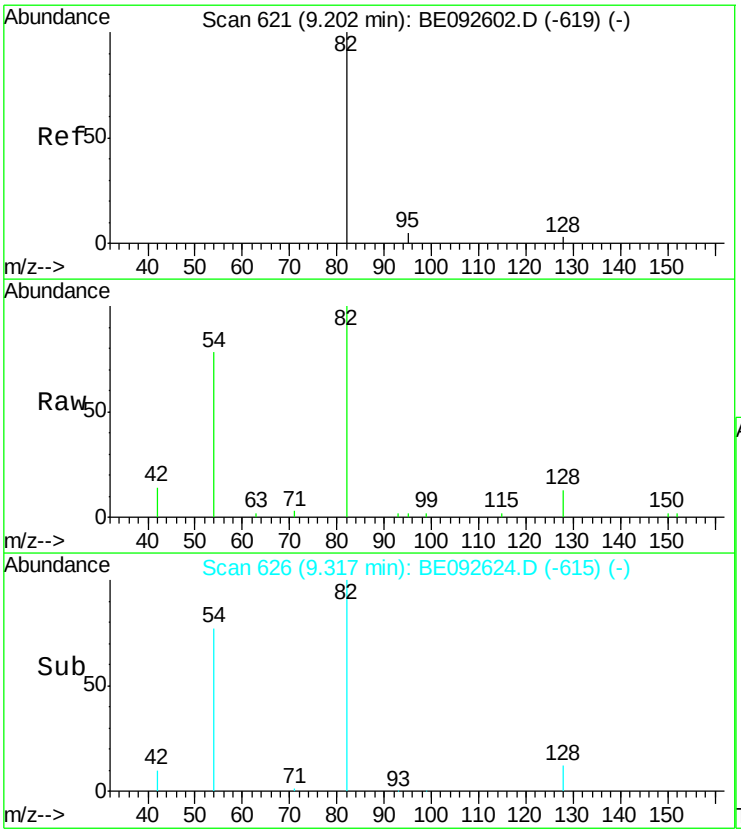
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:136 Resp: 46322

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.4
54	7.4	9.6	14.4#
68	5.3	6.7	10.1#

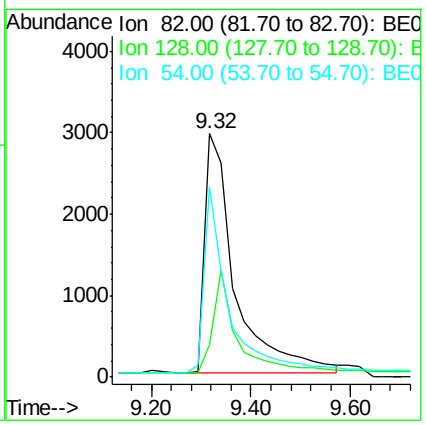


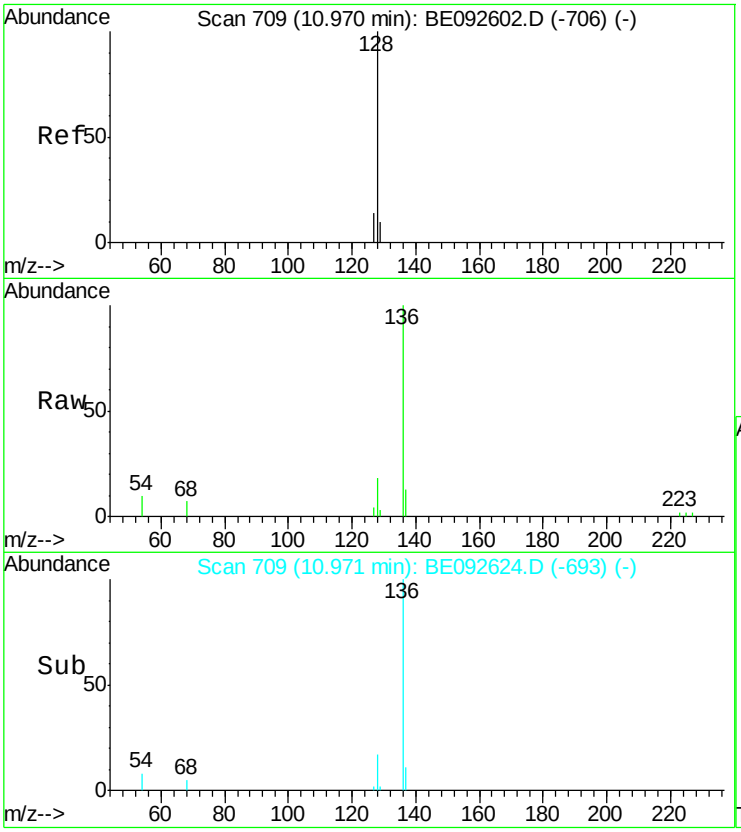


#8
Nitrobenzene-d5
Concen: 3.95 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.04 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion: 82 Resp: 12535

Ion	Ratio	Lower	Upper
82	100		
128	13.2	39.0	58.4#
54	77.8	44.8	67.2#



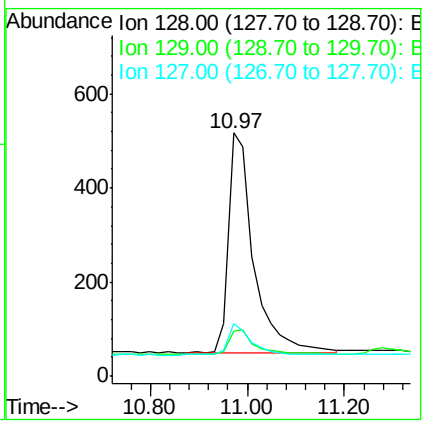


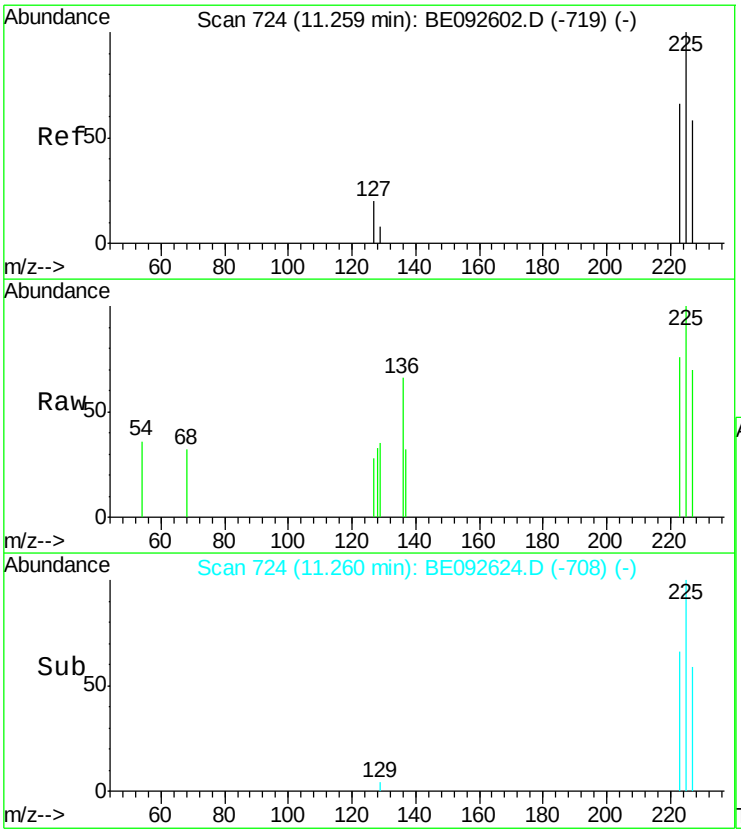
#9
Naphthalene
Concen: 0.18 ng
RT: 10.97 min Scan# 709
Delta R.T. 0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:128 Resp: 1672

Ion	Ratio	Lower	Upper
128	100		
129	18.6	11.2	16.8#
127	21.7	11.6	17.4#

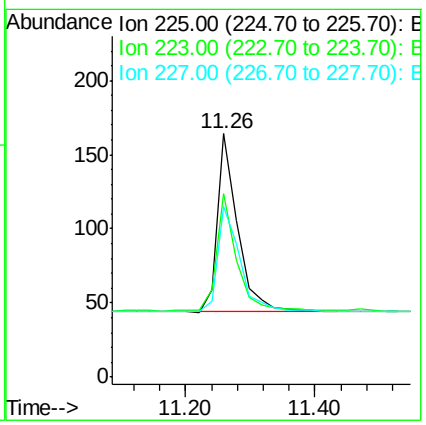


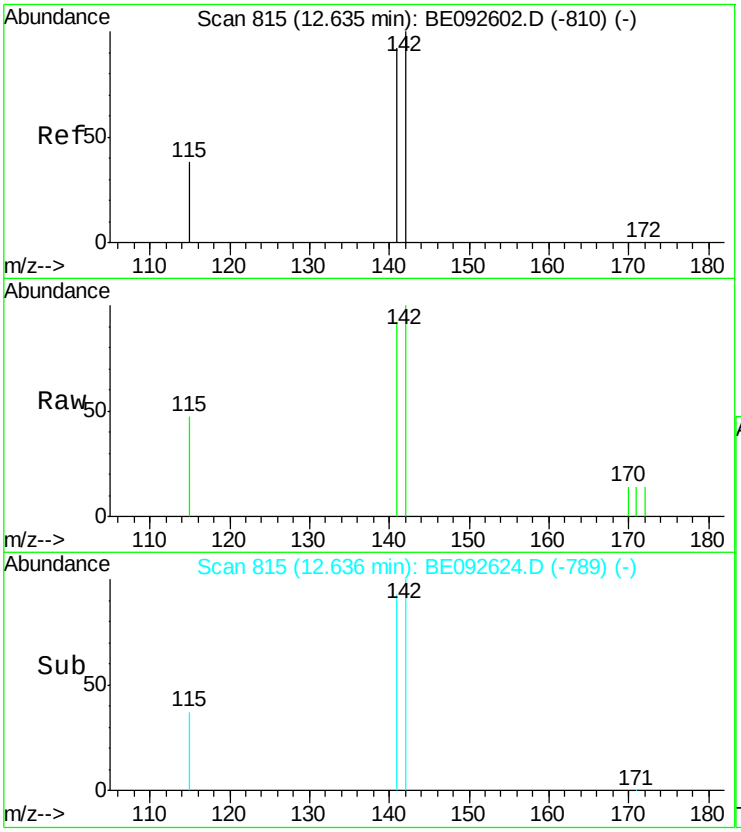


#10
Hexachlorobutadiene
Concen: 0.18 ng
RT: 11.26 min Scan# 724
Delta R.T. 0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:225 Resp: 262

Ion	Ratio	Lower	Upper
225	100		
223	69.1	50.6	76.0
227	64.5	51.4	77.0



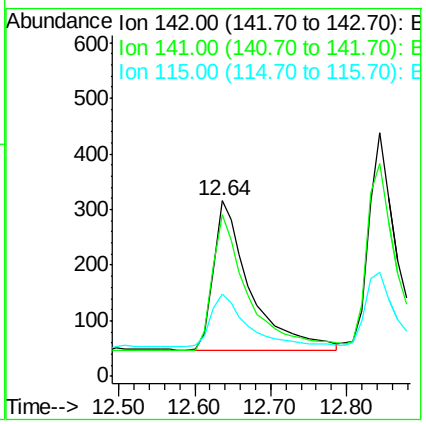


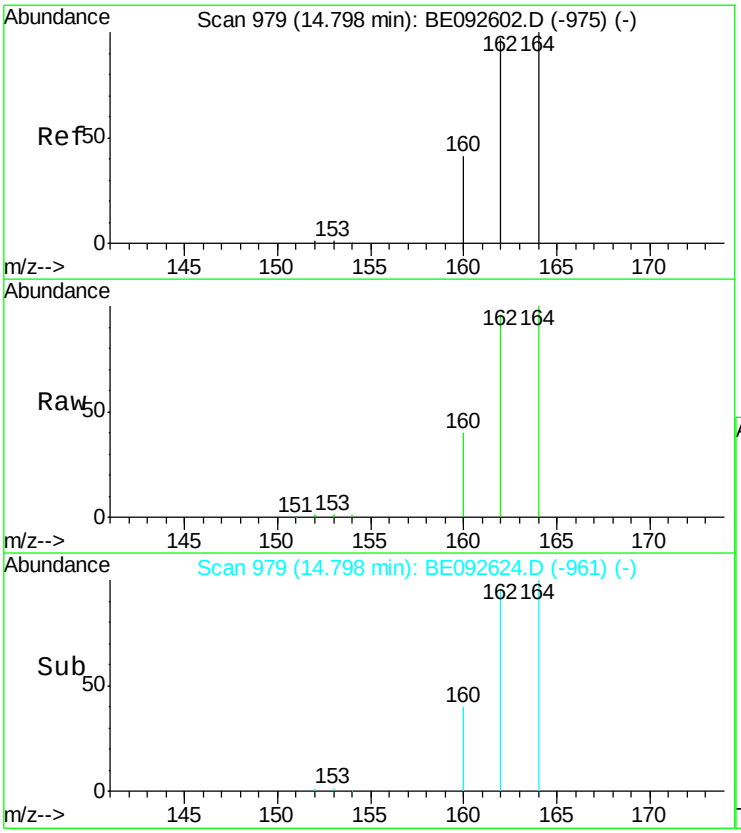
#11
2-Methylnaphthalene
Concen: 0.15 ng
RT: 12.64 min Scan# 815
Delta R.T. 0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:142 Resp: 896

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.7	110.5
115	47.2	34.0	51.0

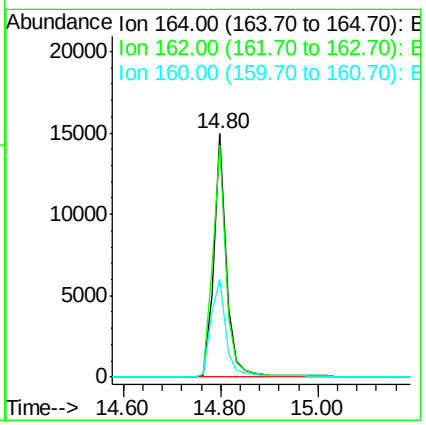


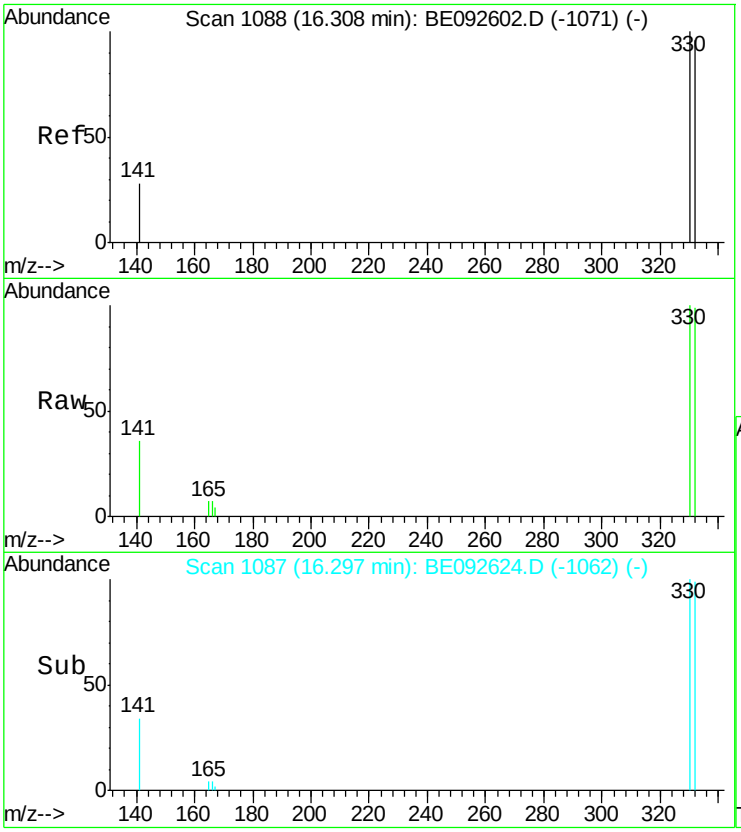


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:164 Resp: 26795

Ion	Ratio	Lower	Upper
164	100		
162	95.5	71.4	107.0
160	40.4	27.4	41.2



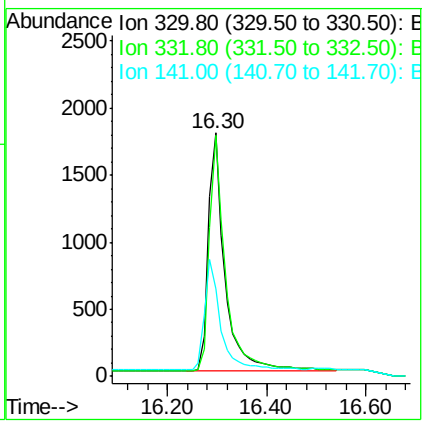


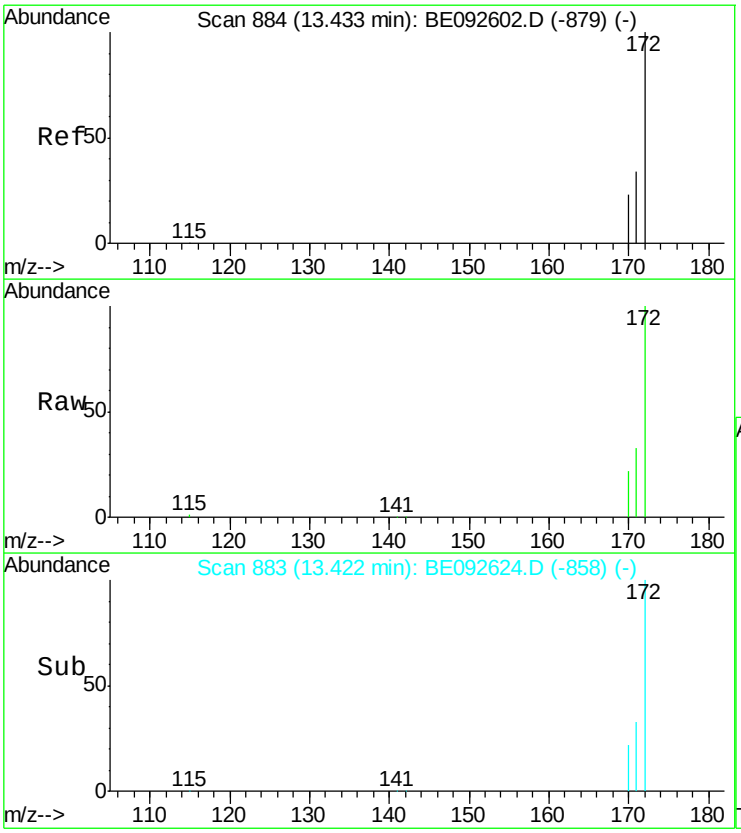
#13
2,4,6-Tribromophenol
Concen: 5.38 ng
RT: 16.30 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:330 Resp: 4115

Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.4	113.0
141	45.6	31.0	46.6

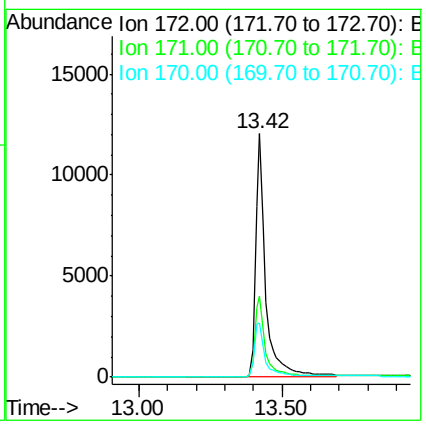


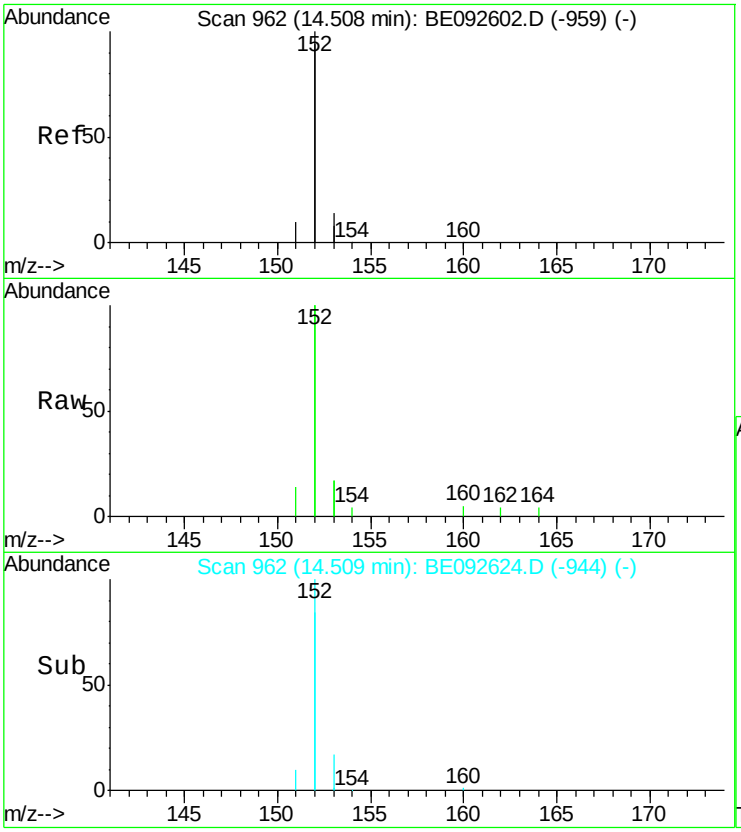


#14
2-Fluorobiphenyl
Concen: 4.44 ng
RT: 13.42 min Scan# 883
Delta R.T. -0.01 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:172 Resp: 28457

Ion	Ratio	Lower	Upper
172	100		
171	33.2	30.1	45.1
170	22.0	21.8	32.6



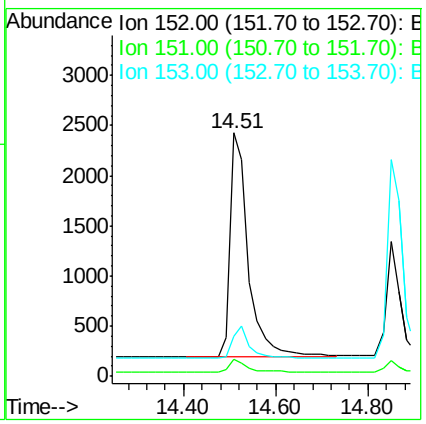


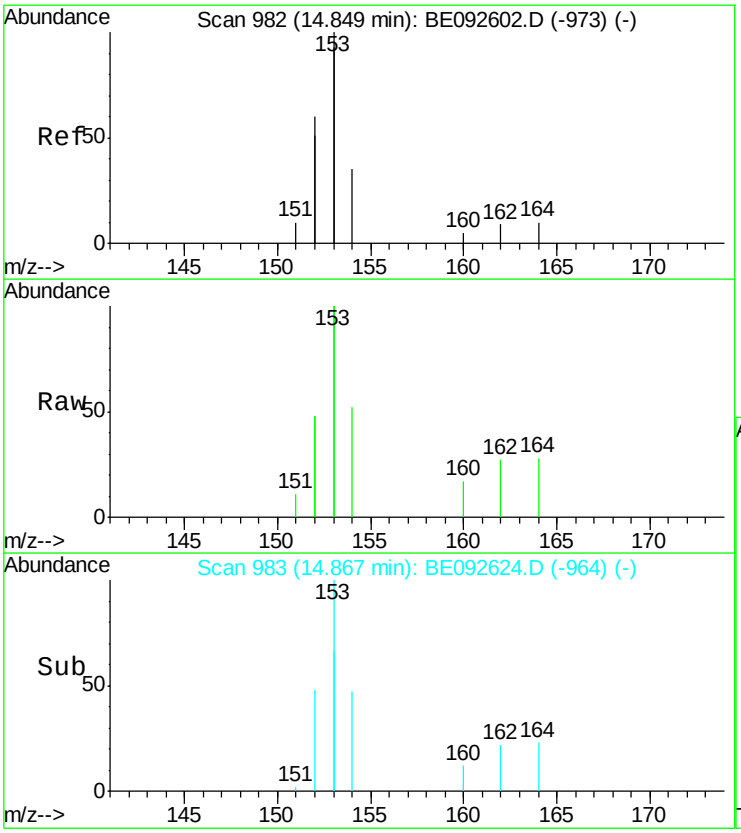
#15
Acenaphthylene
Concen: 0.17 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:152 Resp: 6189

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.3	10.4	15.6

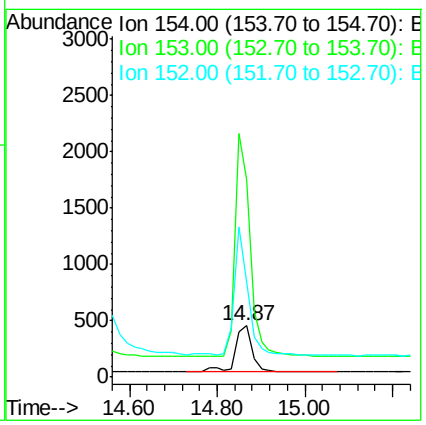


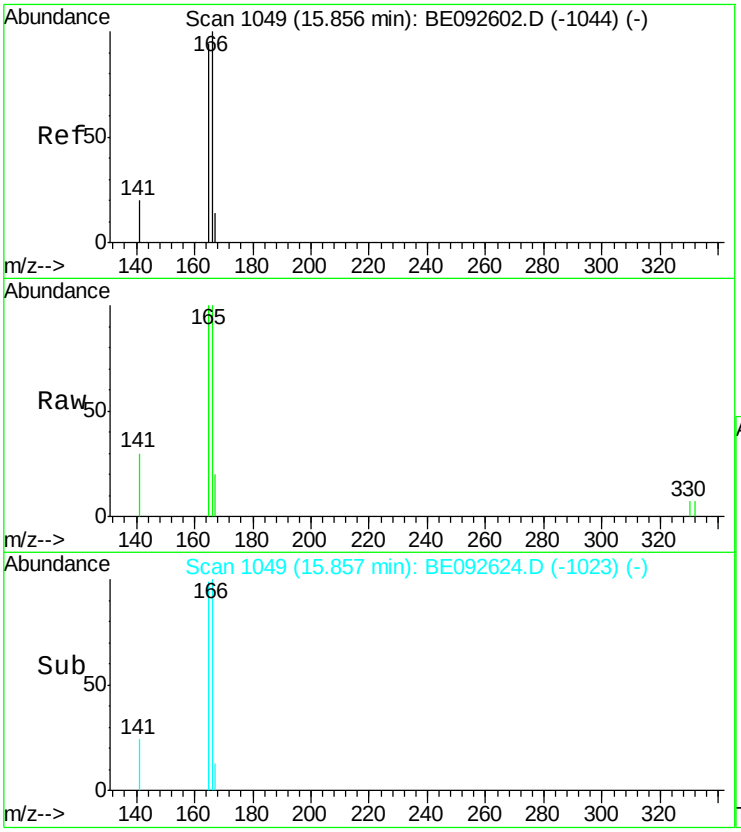


#16
Acenaphthene
Concen: 0.18 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.02 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:154 Resp: 1109

Ion	Ratio	Lower	Upper
154	100		
153	409.2	350.8	526.2
152	216.2	171.1	256.7



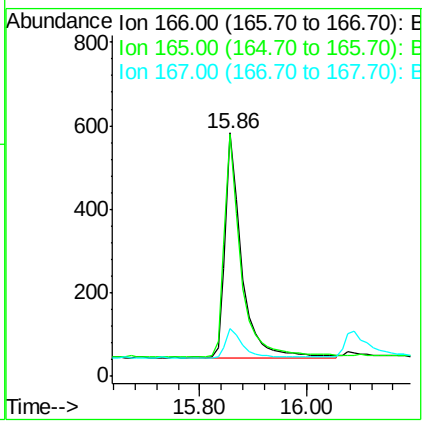


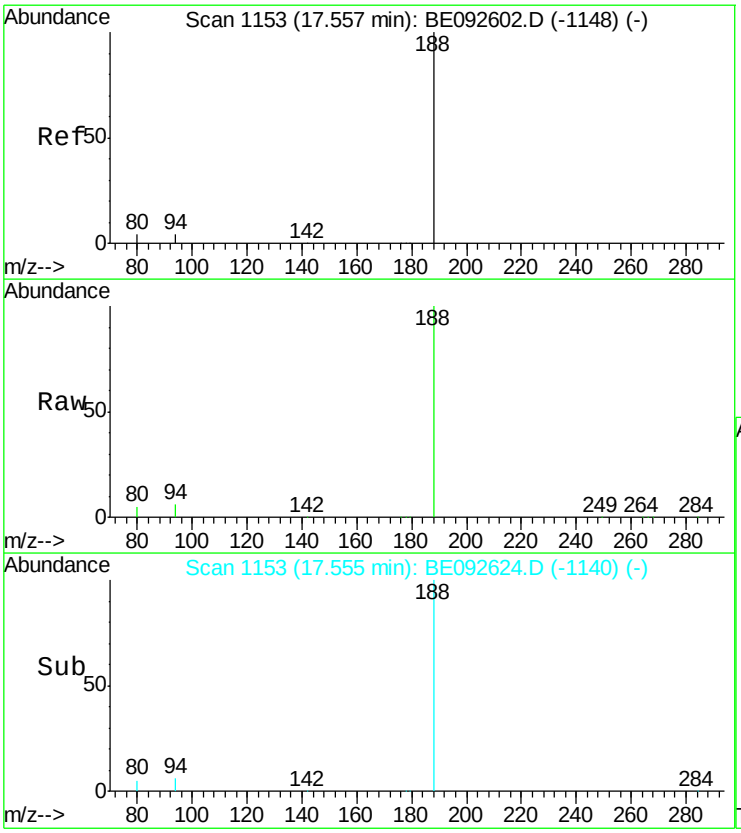
#17
Fluorene
Concen: 0.15 ng
RT: 15.86 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:166 Resp: 1154

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.2	117.4
167	13.3	11.0	16.4

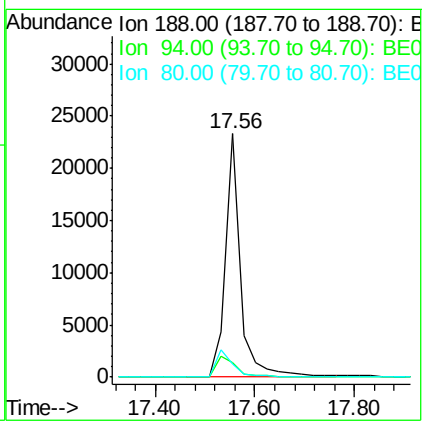


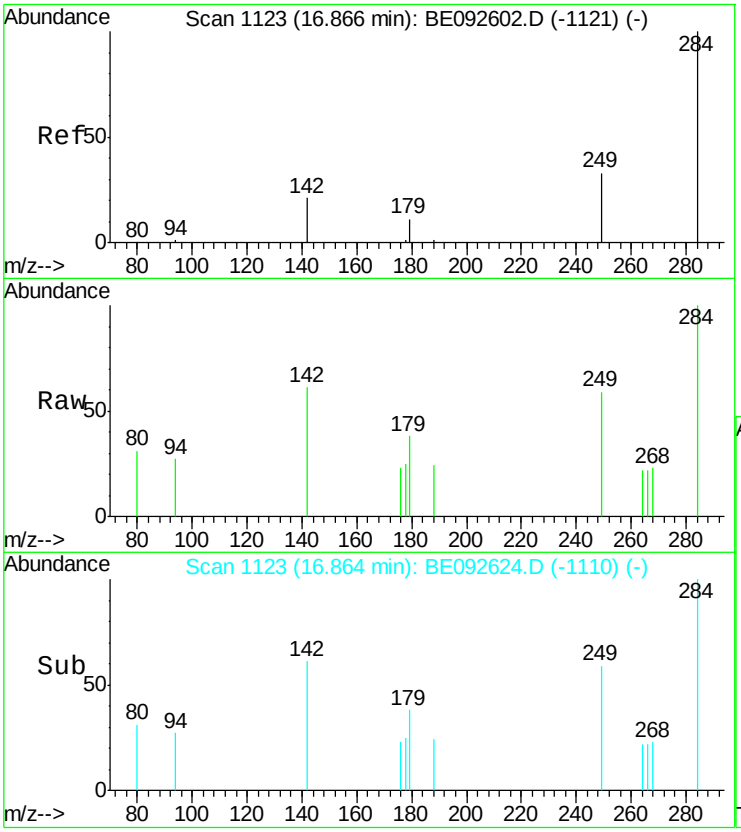


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:188 Resp: 48333

Ion	Ratio	Lower	Upper
188	100		
94	5.8	3.2	4.8#
80	5.5	2.6	3.8#



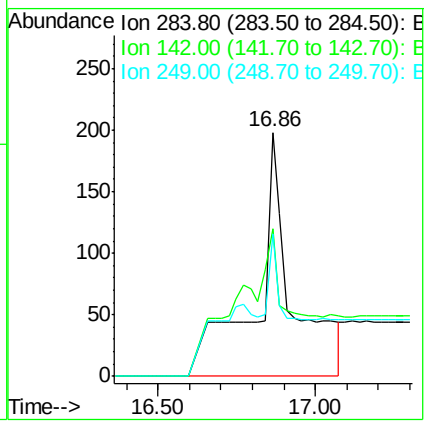


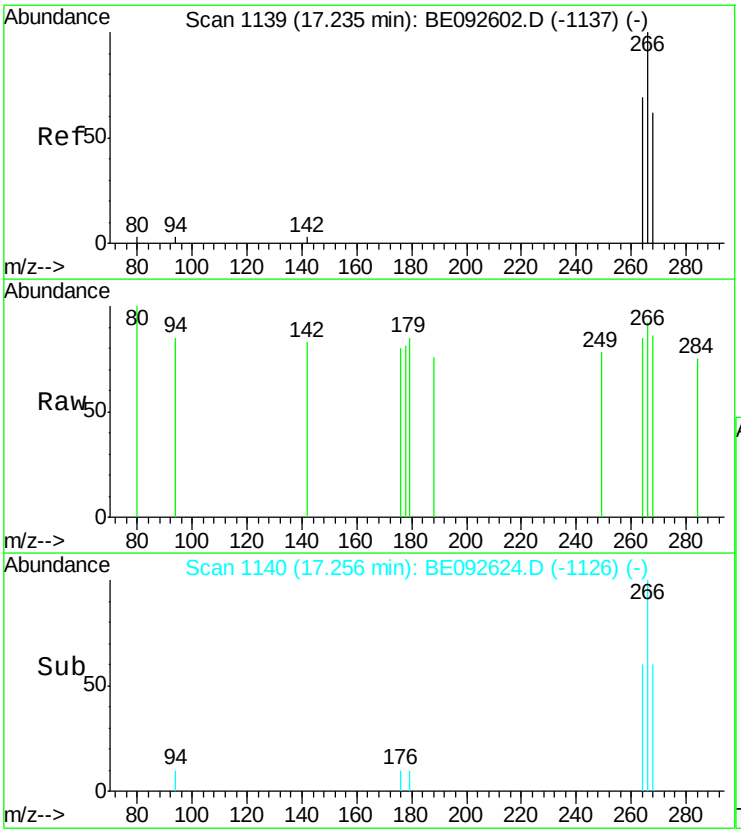
#19
Hexachlorobenzene
Concen: 0.79 ng
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:284 Resp: 1640

Ion	Ratio	Lower	Upper
284	100		
142	94.2	29.1	43.7#
249	13.6	27.9	41.9#

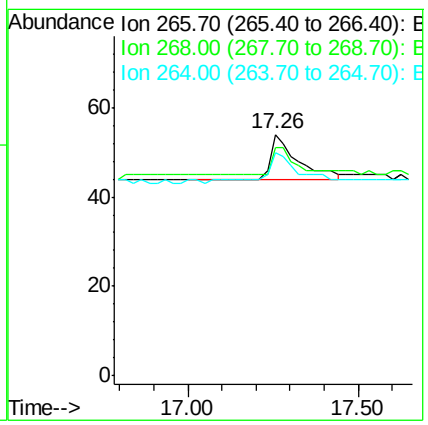


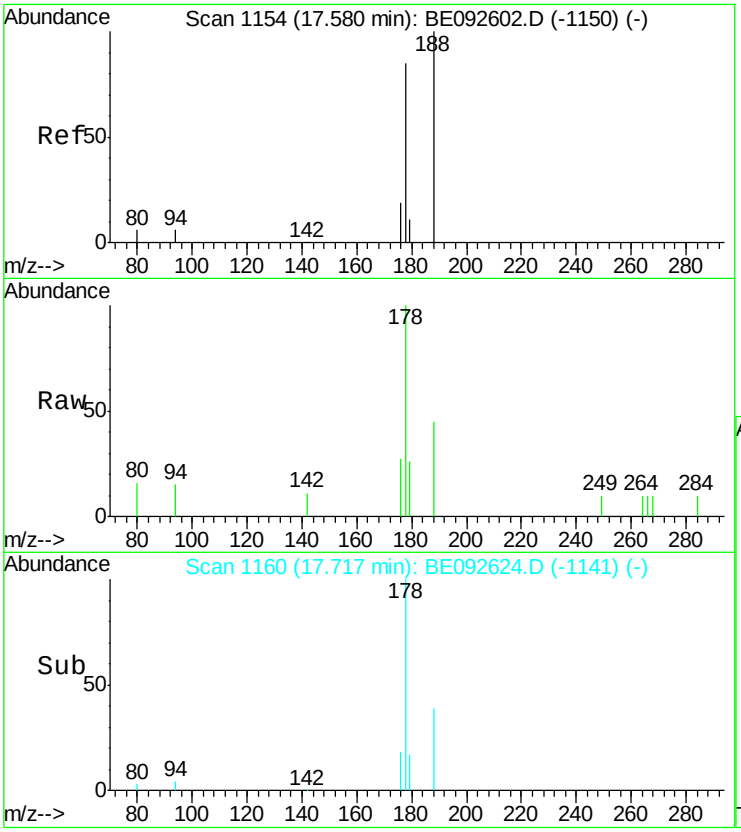


#20
Pentachlorophenol
Concen: 0.20 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:266 Resp: 54

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



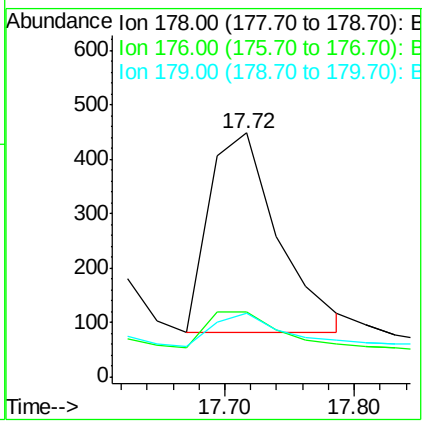


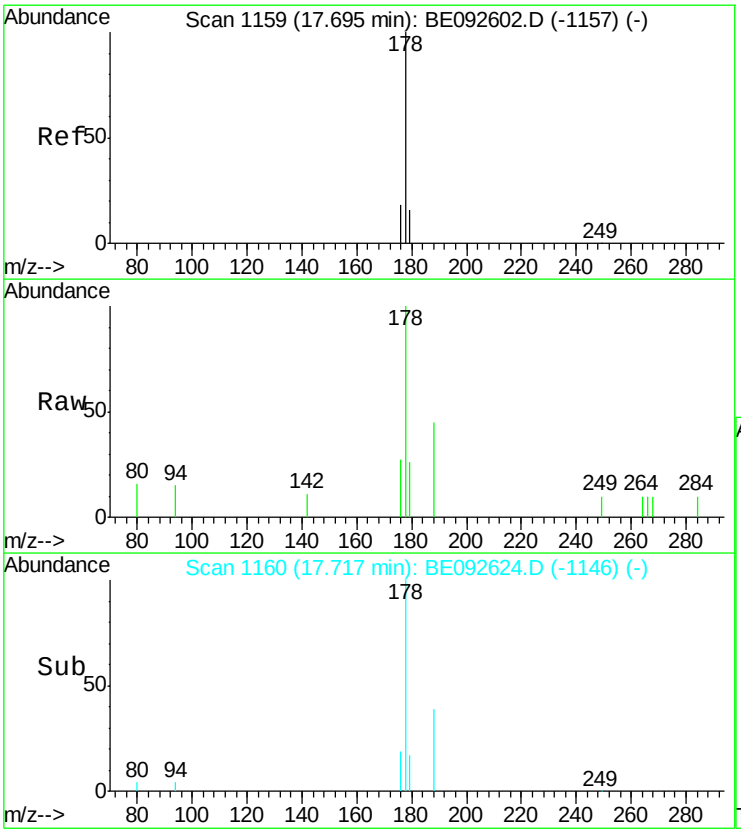
#21
Phenanthrene
Concen: 0.11 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.14 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:178 Resp: 1370

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	16.1	16.0	24.0

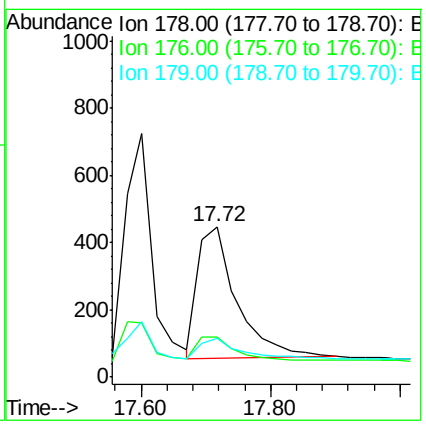


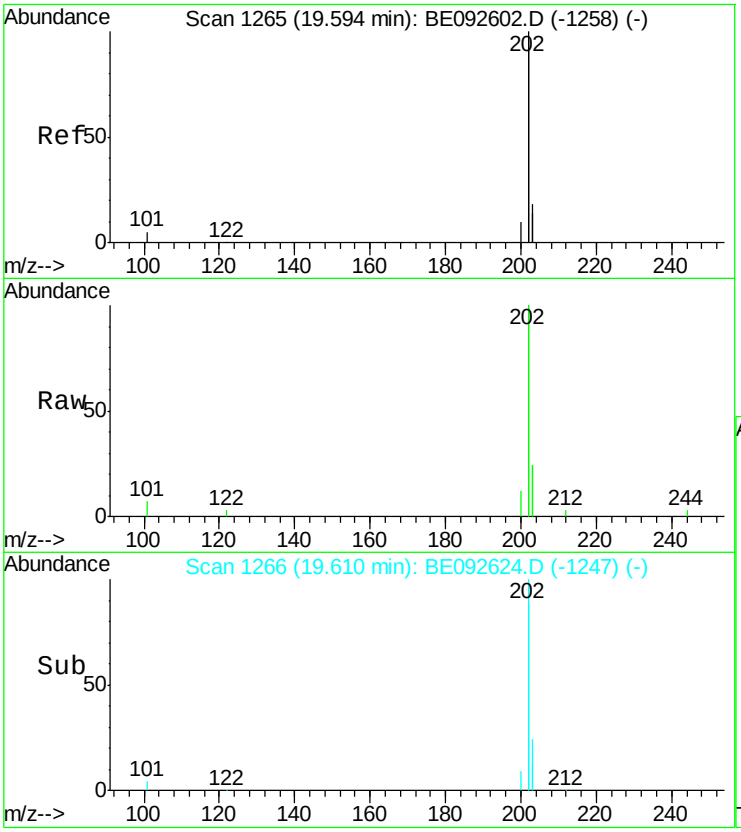


#22
Anthracene
Concen: 0.15 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:178 Resp: 1649

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	16.6	12.2	18.2



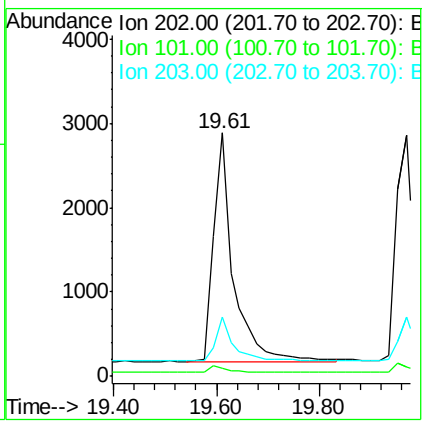


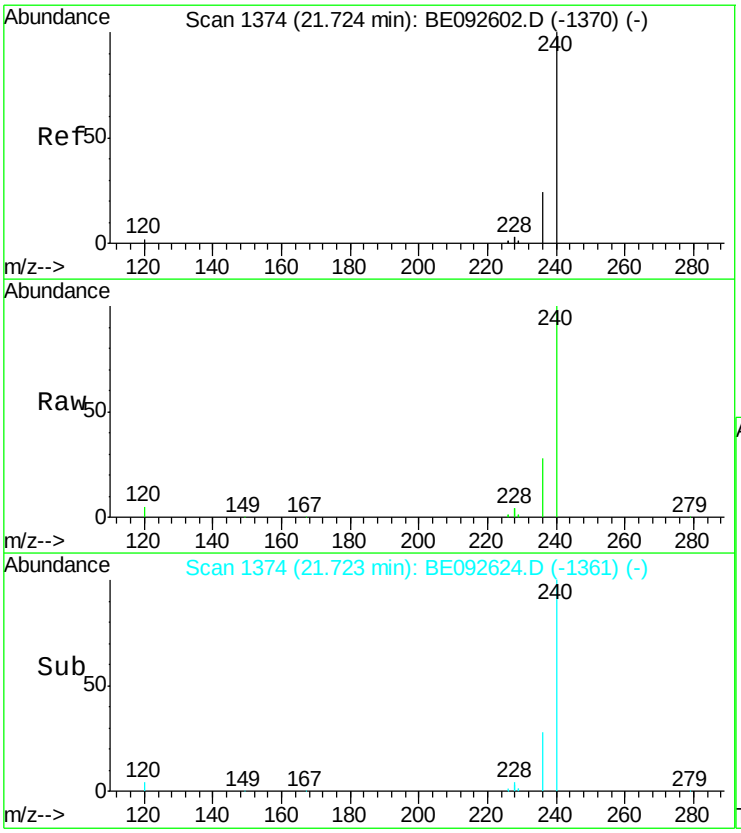
#23
Fluoranthene
Concen: 0.14 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.02 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:202 Resp: 7159

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.3	13.7	20.5

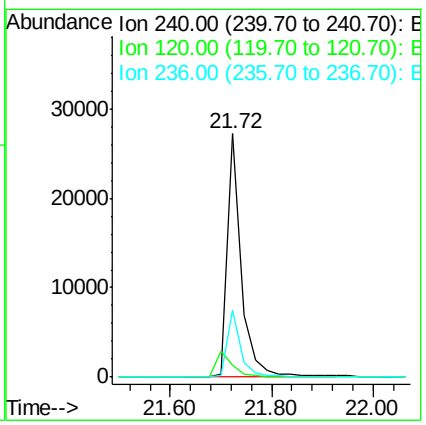


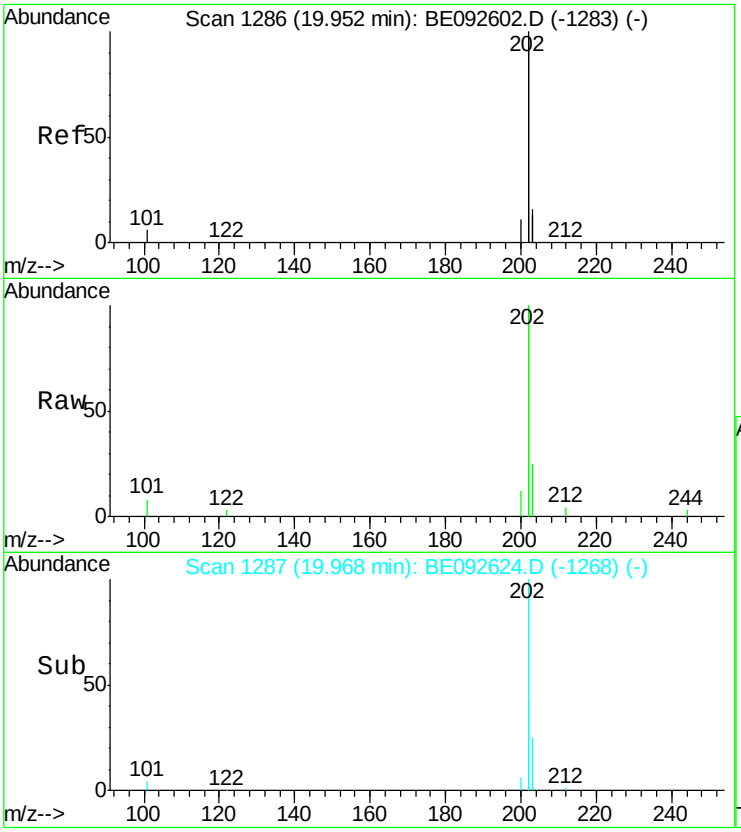


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:240 Resp: 51585

Ion	Ratio	Lower	Upper
240	100		
120	4.7	2.6	4.0#
236	27.6	24.6	37.0



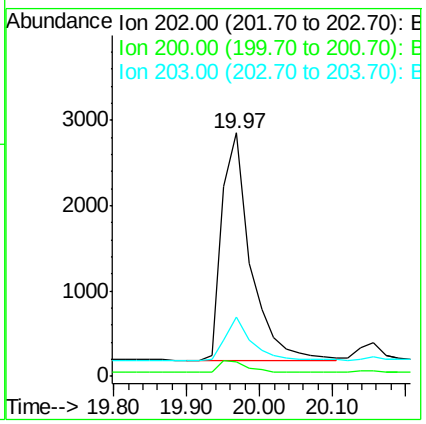


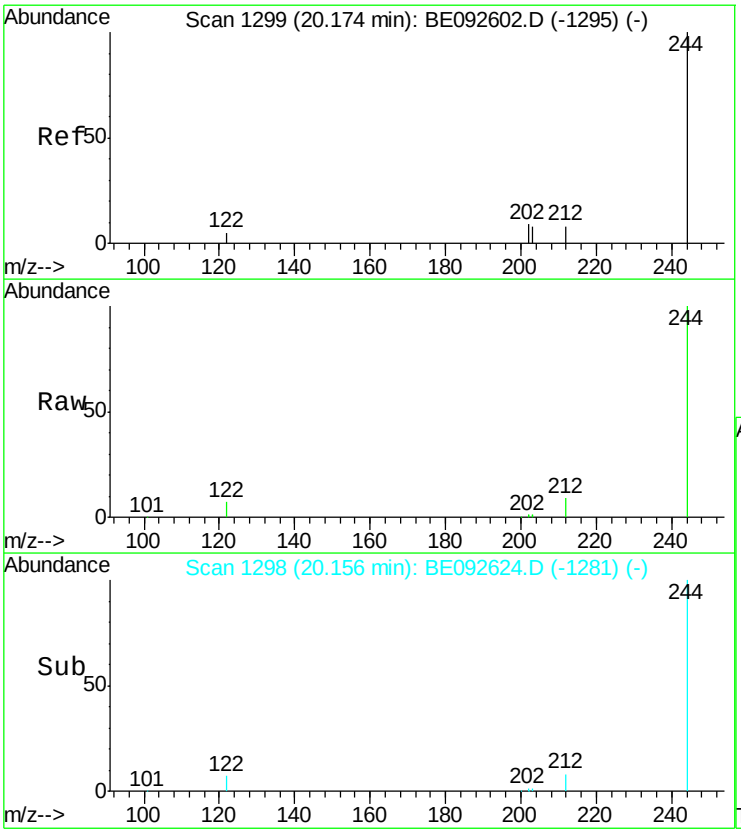
#25
Pyrene
Concen: 0.16 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.02 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:202 Resp: 7232

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.9	13.9	20.9

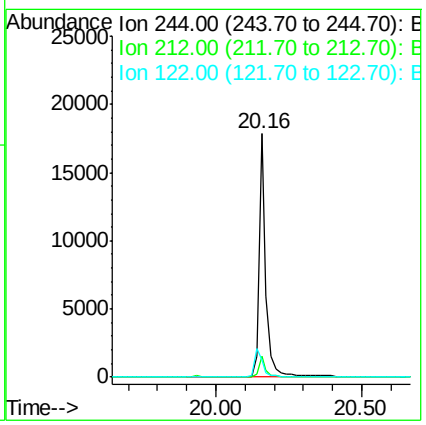


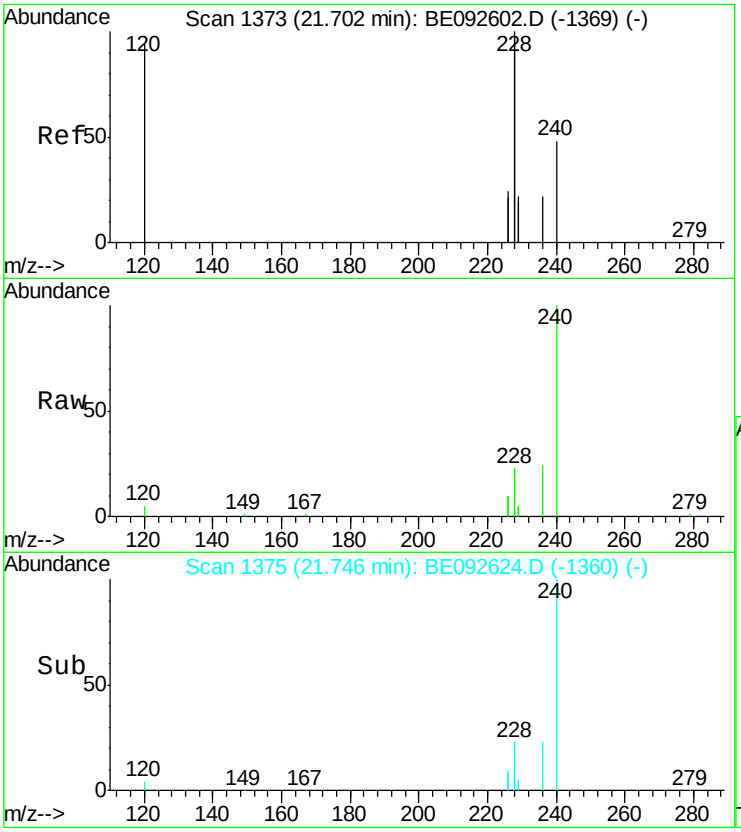


#26
Terphenyl-d14
Concen: 4.60 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:244 Resp: 29105

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.7	10.1
122	7.0	3.6	5.4#



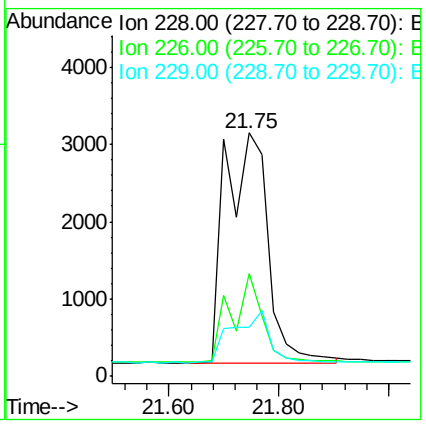


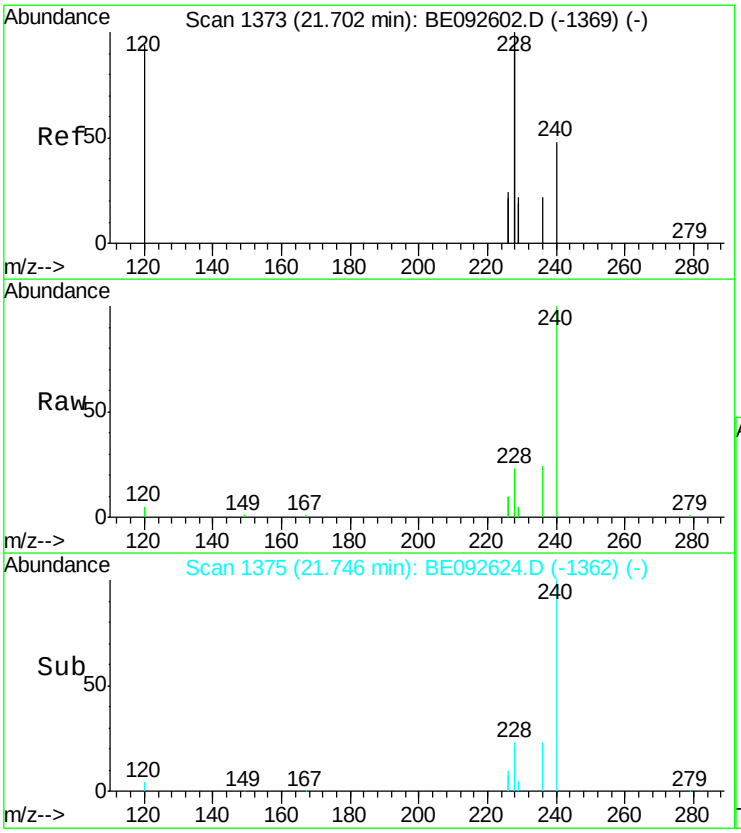
#27
Benzo(a)anthracene
Concen: 0.34 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.04 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:228 Resp: 15883

Ion	Ratio	Lower	Upper
228	100		
226	42.0	23.6	35.4#
229	20.0	13.3	19.9#

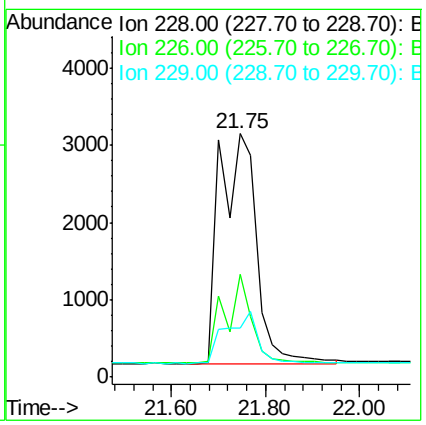


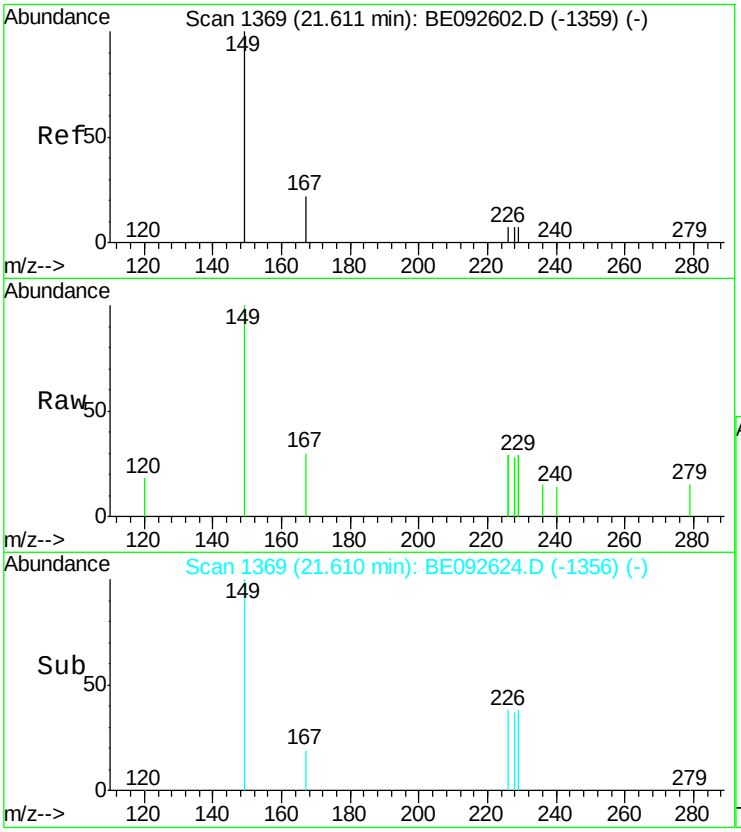


#28
Chrysene
Concen: 0.30 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:228 Resp: 15991

Ion	Ratio	Lower	Upper
228	100		
226	42.0	36.3	54.5
229	20.0	10.6	16.0#



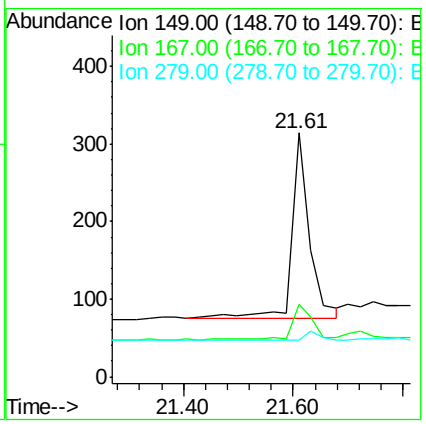


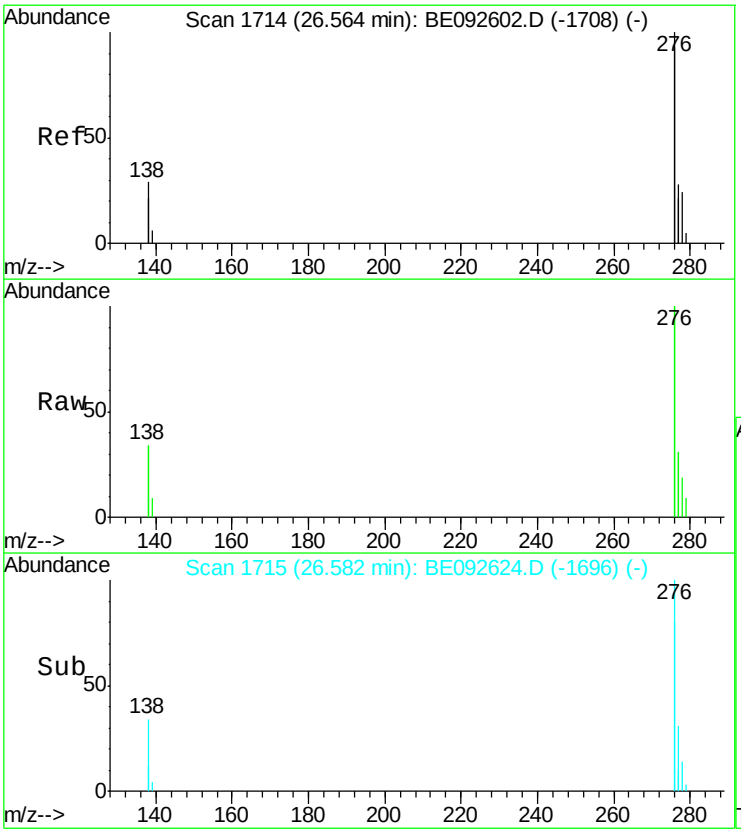
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.17 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:149 Resp: 523

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

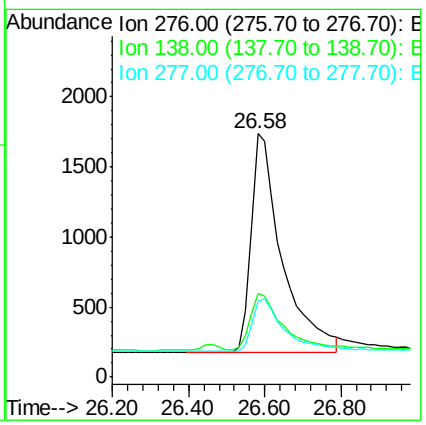


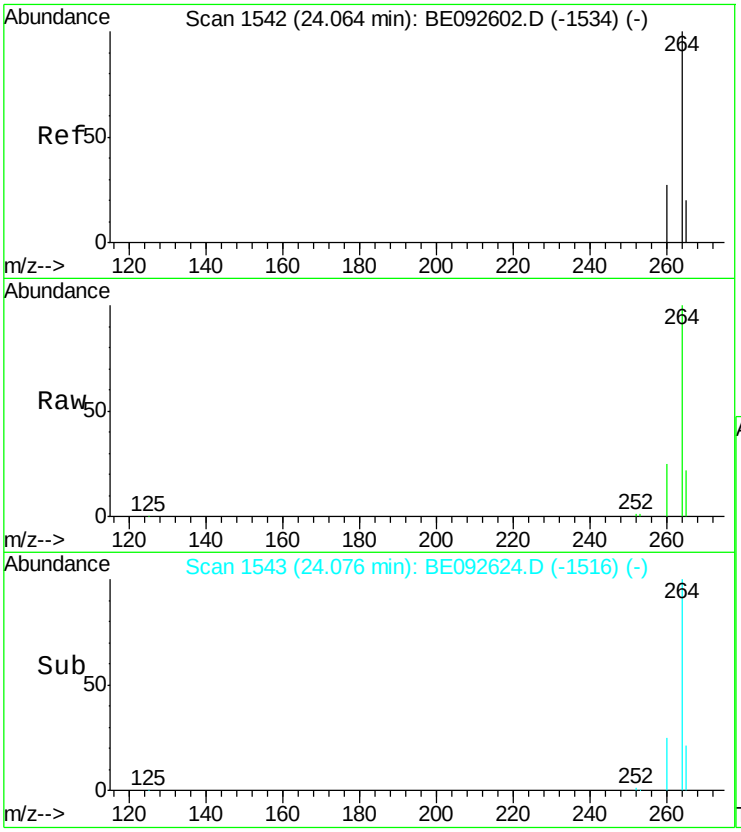


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.18 ng
RT: 26.58 min Scan# 1715
Delta R.T. 0.02 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:276 Resp: 8889

Ion	Ratio	Lower	Upper
276	100		
138	26.6	20.3	30.5
277	24.4	19.7	29.5



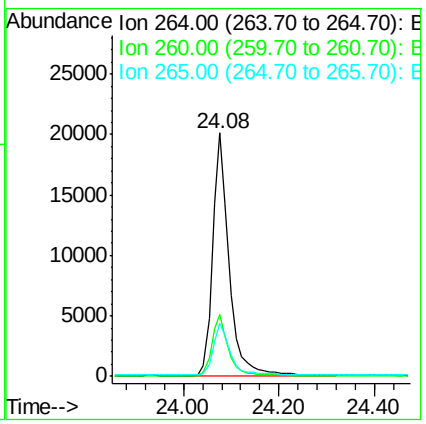


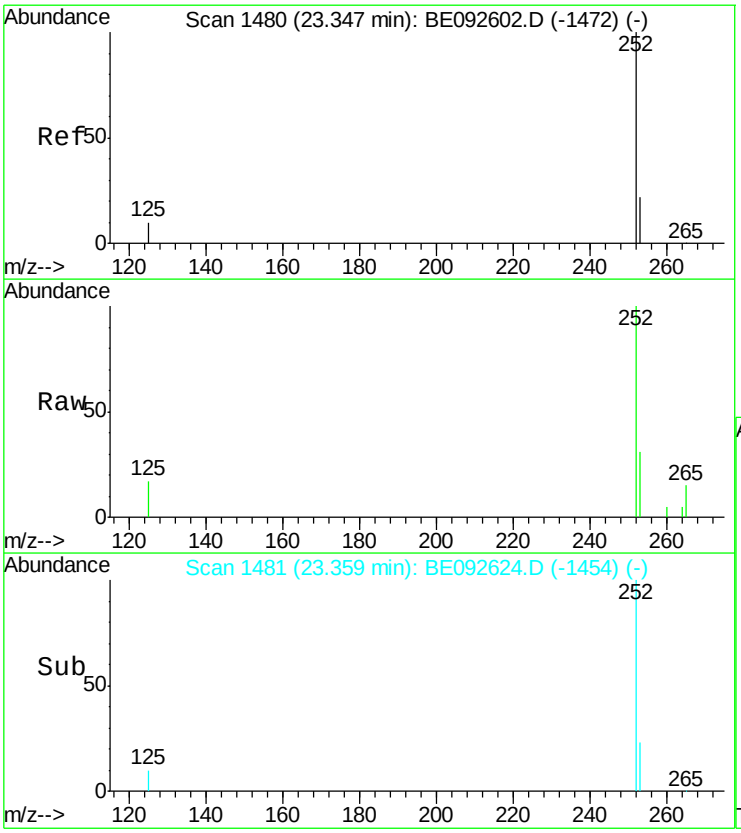
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. 0.01 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:264 Resp: 48714

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	21.6	17.9	26.9

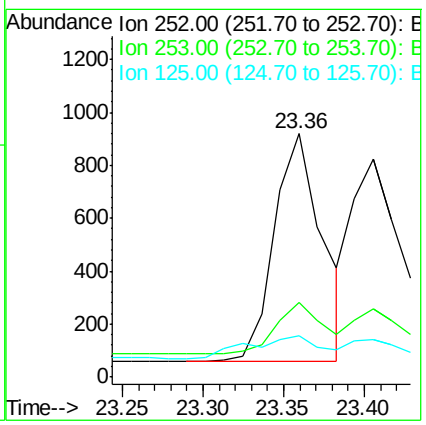


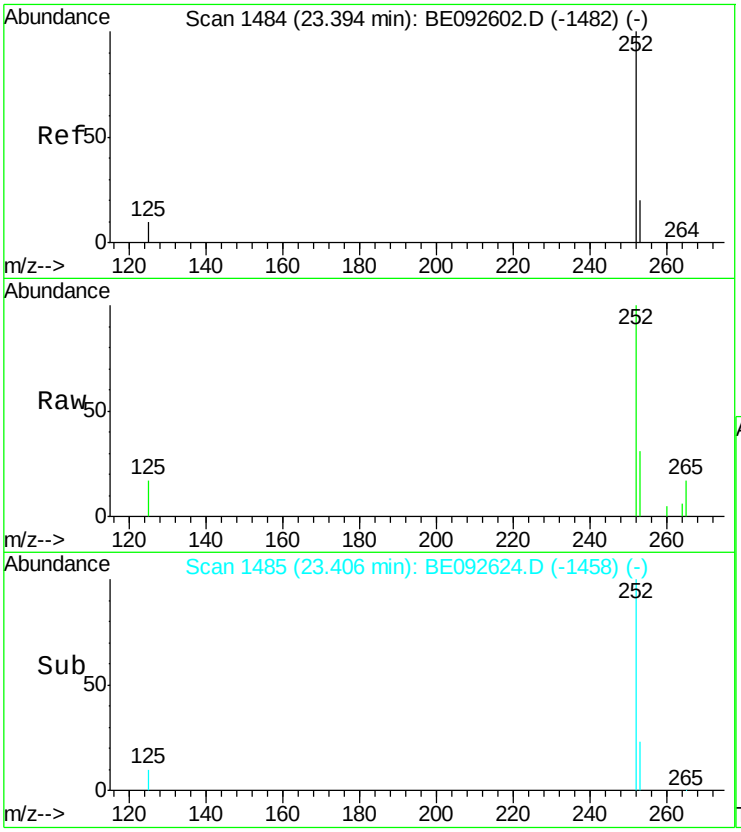


#32
Benzo(b)fluoranthene
Concen: 0.16 ng
RT: 23.36 min Scan# 1481
Delta R.T. 0.01 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:252 Resp: 1785

Ion	Ratio	Lower	Upper
252	100		
253	30.7	18.7	28.1#
125	16.7	10.5	15.7#



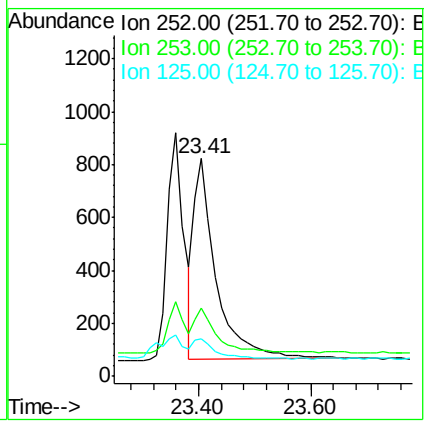


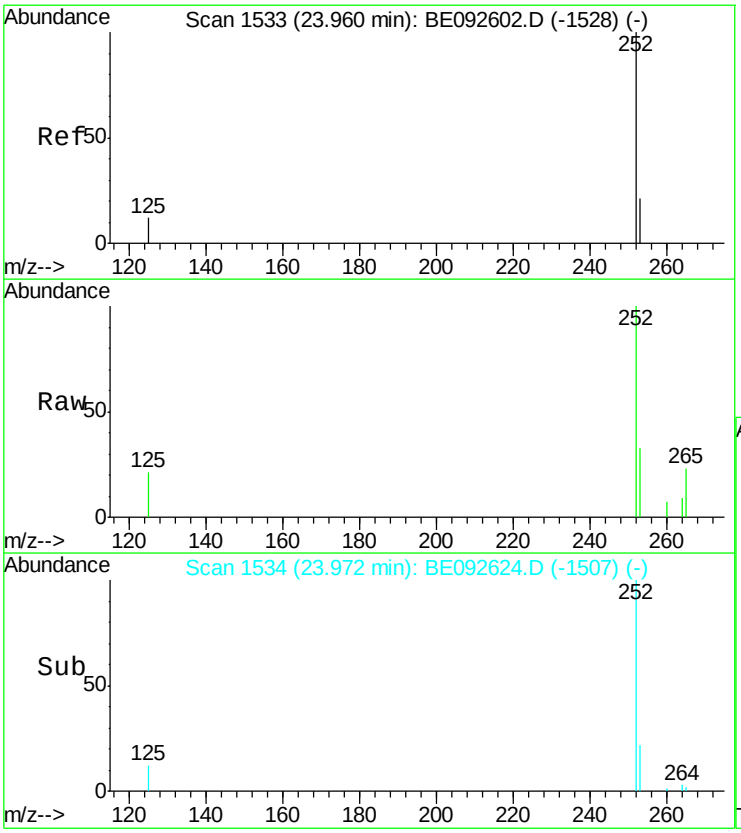
#33
Benzo(k)fluoranthene
Concen: 0.17 ng
RT: 23.41 min Scan# 1485
Delta R.T. 0.01 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:252 Resp: 2080

Ion	Ratio	Lower	Upper
252	100		
253	31.4	20.3	30.5#
125	17.4	9.6	14.4#

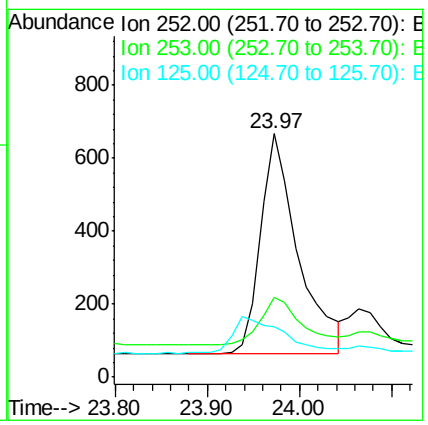


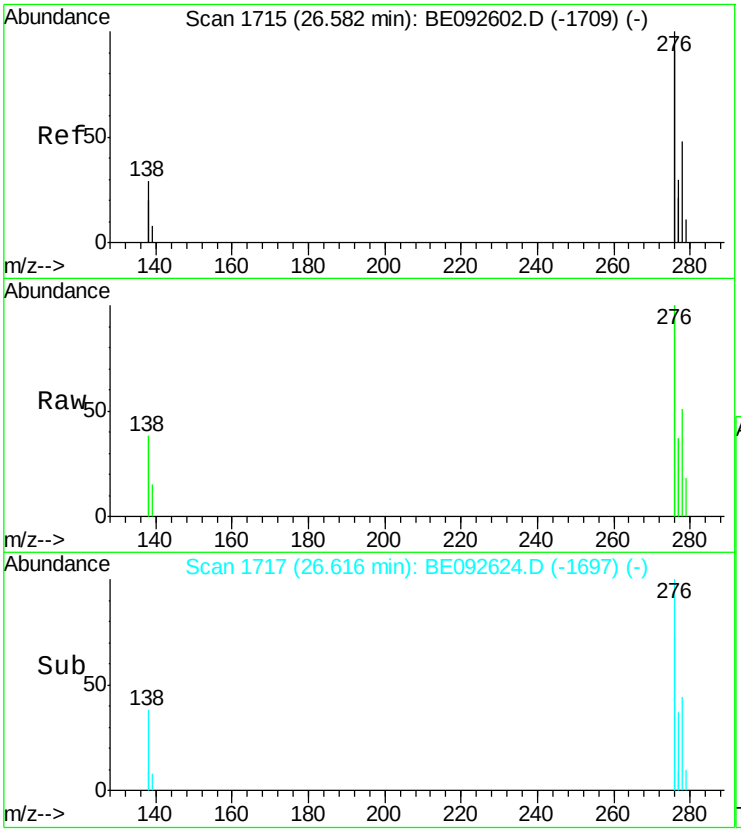


#34
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.97 min Scan# 1534
Delta R.T. 0.01 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:252 Resp: 1720

Ion	Ratio	Lower	Upper
252	100		
253	32.9	19.0	28.6#
125	20.8	11.8	17.8#



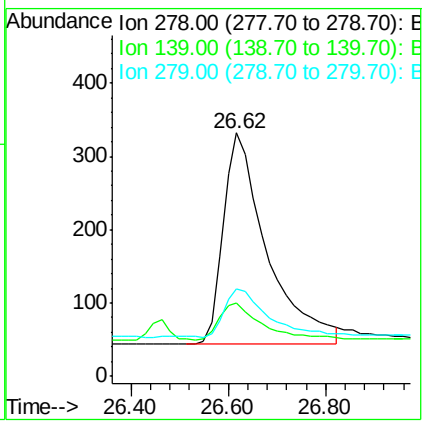


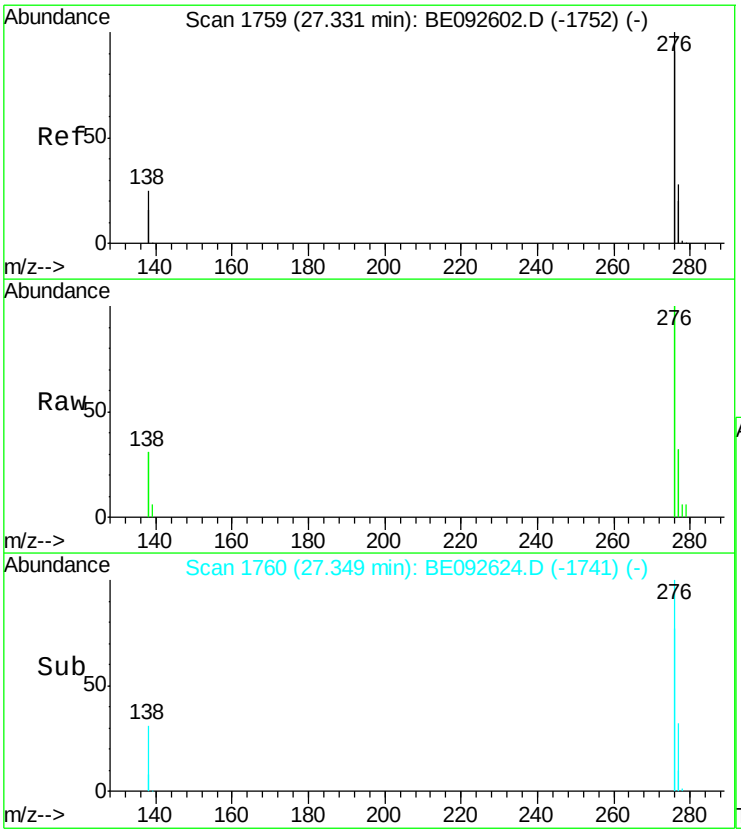
#35
Dibenzo(a,h)anthracene
Concen: 0.17 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.03 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

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

Tgt Ion:278 Resp: 1774

Ion	Ratio	Lower	Upper
278	100		
139	30.1	13.8	20.8#
279	36.1	21.4	32.2#





#36
Benzo(g,h,i)perylene
Concen: 0.19 ng
RT: 27.35 min Scan# 1760
Delta R.T. 0.02 min
Lab File: BE092624.D
Acq: 27 Dec 2016 15:59

Tgt Ion:276 Resp: 8154

Ion	Ratio	Lower	Upper
276	100		
277	31.6	19.8	29.8#
138	30.6	19.8	29.6#