Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120117\
Data File : BE094900.D
Acq On : 1 Dec 2017 11:57
Operator : SJ/JU
Sample : I6298-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PT-BNA-Soil

Quant Time: Dec 01 14:13:41 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.49	152	9132	0.40	ng		0.00
7) Naphthalene-d8	11.33	136	19860	0.40	ng		0.00
13) Acenaphthene-d10	15.08	164	10384	0.40	ng		0.00
19) Phenanthrene-d10	17.79	188	23185	0.40	ng		0.01
27) Chrysene-d12	21.90	240	23436	0.40	ng		0.02
34) Perylene-d12	24.57	264	19634	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.96	112	1393285	96.40	ng		0.00
5) Phenol-d6	7.61	99	2142738	100.06	ng		0.01
8) Nitrobenzene-d5	9.67	82	1330159	113.13	ng		0.00
11) 2-Methylnaphthalene-d10	12.86	152	26	0.00	ng		0.00
14) 2,4,6-Tribromophenol	16.55	330	372221	129.56	ng		0.02
15) 2-Fluorobiphenyl	13.71	172	2428075	54.60	ng		0.00
25) Fluoranthene-d10	19.78	212	120	0.00	ng		0.02
29) Terphenyl-d14	20.33	244	2625001	60.65	ng		0.00
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.88	93	1501887	70.751	ng		92
9) Naphthalene	11.38	128	31571	0.136	ng		99
10) Hexachlorobutadiene	11.65	225	891985	90.779	ng		98
12) 2-Methylnaphthalene	12.94	142	3540447	61.198	ng		93
16) Acenaphthylene	14.81	152	5971091	101.767	ng		95
17) Acenaphthene	15.14	154	172151	4.540	ng		95
18) Fluorene	16.11	166	3890960	80.635	ng	#	78
20) 4-Bromophenyl-phenylether	16.98	248	861800	66.627	ng	#	86
21) Hexachlorobenzene	17.10	284	1168445	92.608	ng	#	79
22) Pentachlorophenol	17.43	266	749774	179.584	ng	#	71
23) Phenanthrene	17.83	178	2685662	36.354	ng		97
24) Anthracene	17.83	178	2685662	34.285	ng	#	94
26) Fluoranthene	19.79	202	4599	0.048	ng		97
28) Pyrene	20.14	202	4098	0.051	ng	#	90
30) Benzo(a)anthracene	21.88	228	6217053	86.510	ng	#	64
31) Chrysene	21.93	228	3025914	38.107	ng	#	66
32) Bis(2-ethylhexyl)phthalate	21.76	149	8251887	69.289	ng		100
33) Indeno(1,2,3-cd)pyrene	27.44	276	1437	0.022	ng	#	85
35) Benzo(b)fluoranthene	23.75	252	3029845	42.268	ng	#	38
36) Benzo(k)fluoranthene	23.81	252	2848780	38.988	ng	#	38
37) Benzo(a)pyrene	24.45	252	1809	0.029	ng	#	66
39) Benzo(g,h,i)perylene	28.33	276	1544	0.027	ng	#	77

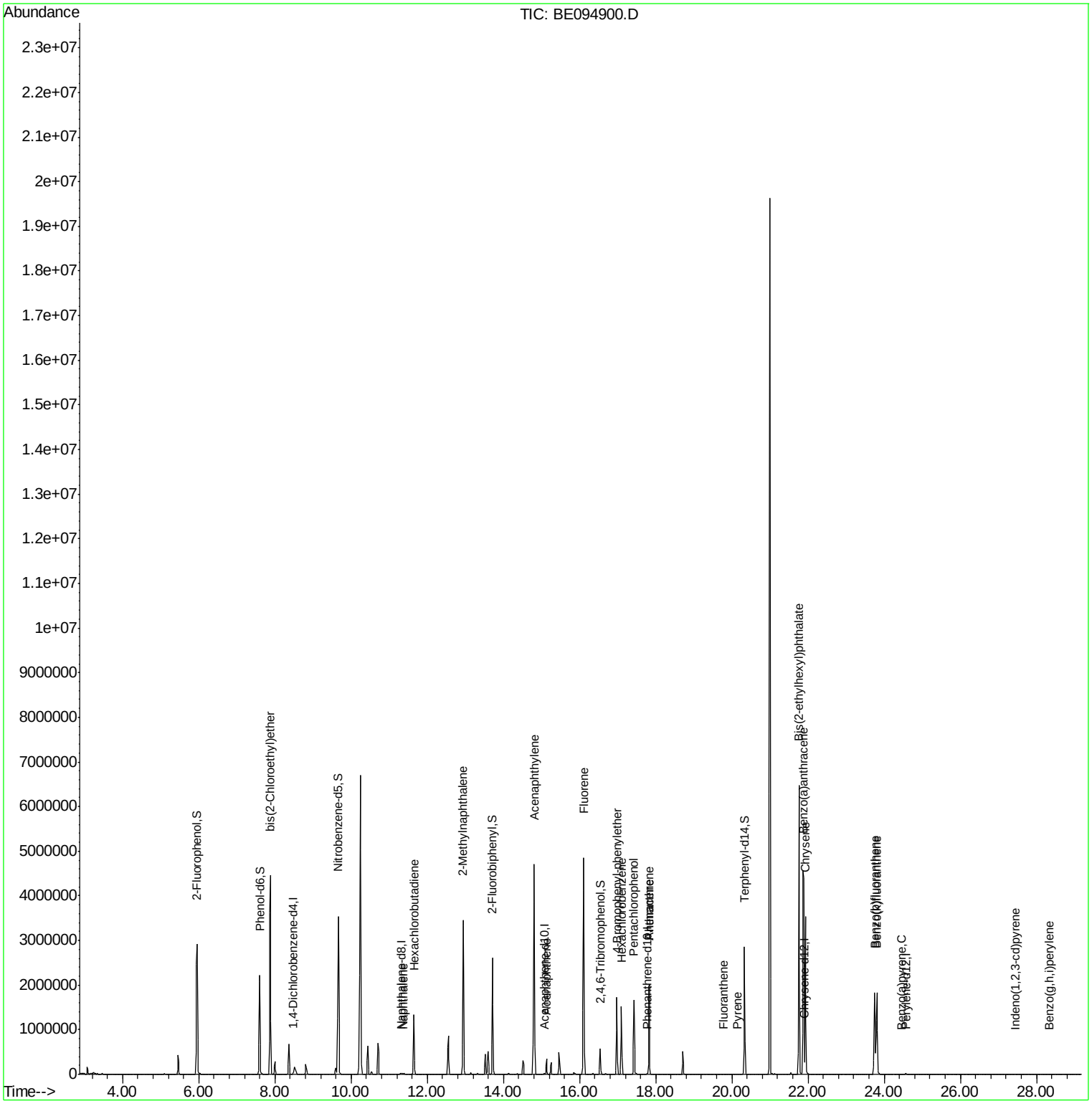
(#) = qualifier out of range (m) = manual integration (+) = signals summed

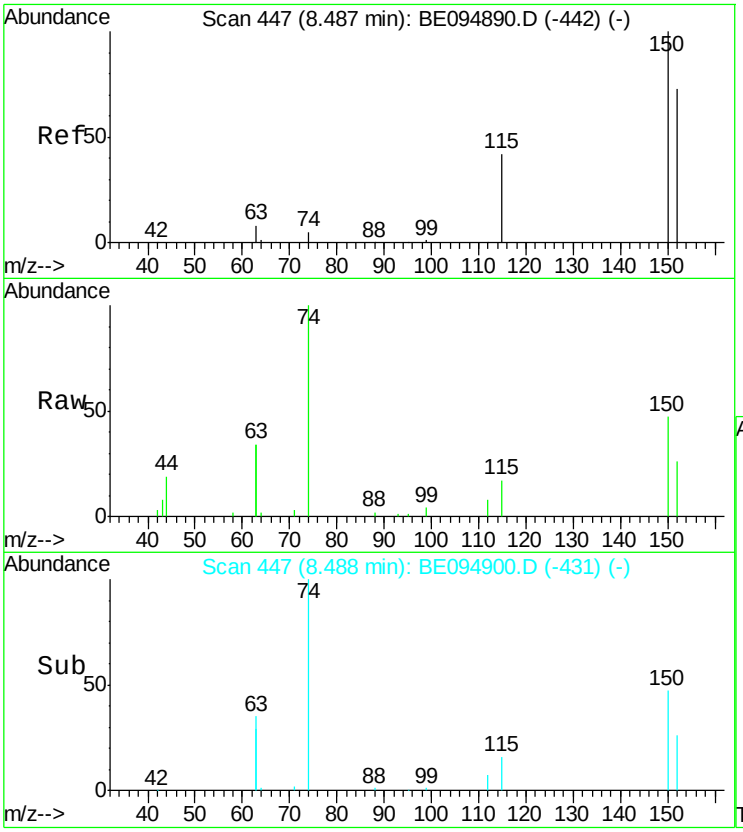
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120117\
Data File : BE094900.D
Acq On : 1 Dec 2017 11:57
Operator : SJ/JU
Sample : I6298-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Quant Time: Dec 01 14:13:41 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration



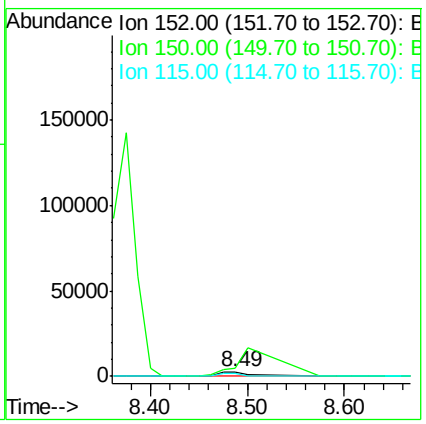


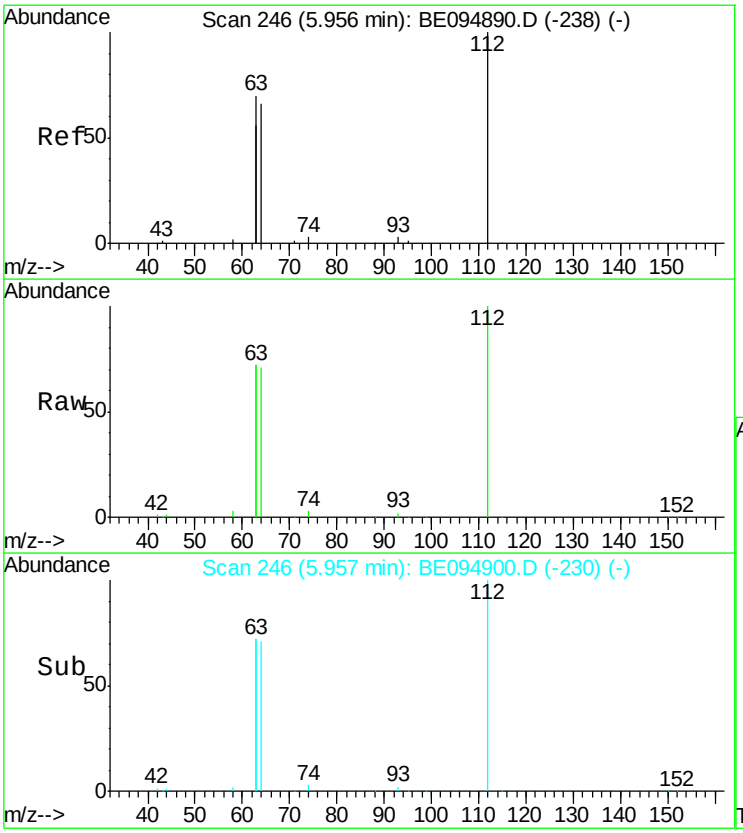
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.49 min Scan# 447
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:152 Resp: 9132

Ion	Ratio	Lower	Upper
152	100		
150	178.6	117.2	175.8#
115	64.1	57.0	85.6

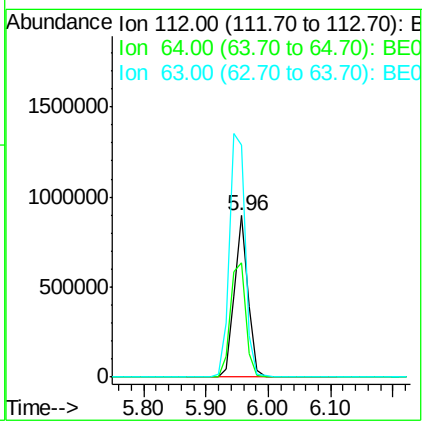


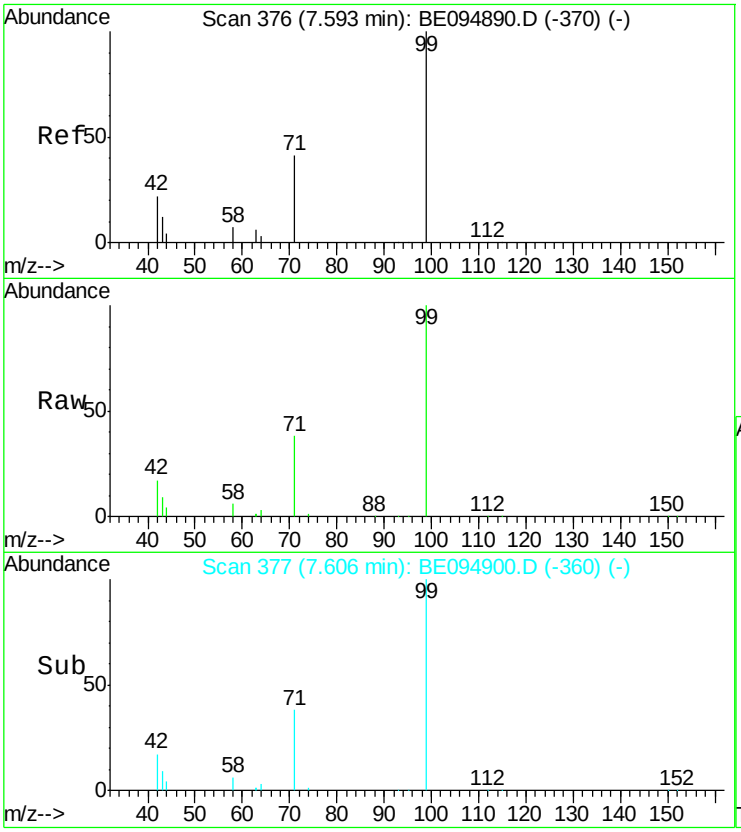


#4
2-Fluorophenol
Concen: 96.397 ng
RT: 5.96 min Scan# 246
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:112 Resp: 1393285

Ion	Ratio	Lower	Upper
112	100		
64	80.8	60.1	90.1
63	175.3	116.8	175.2#



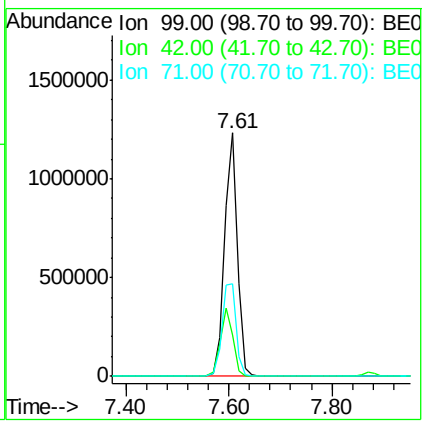


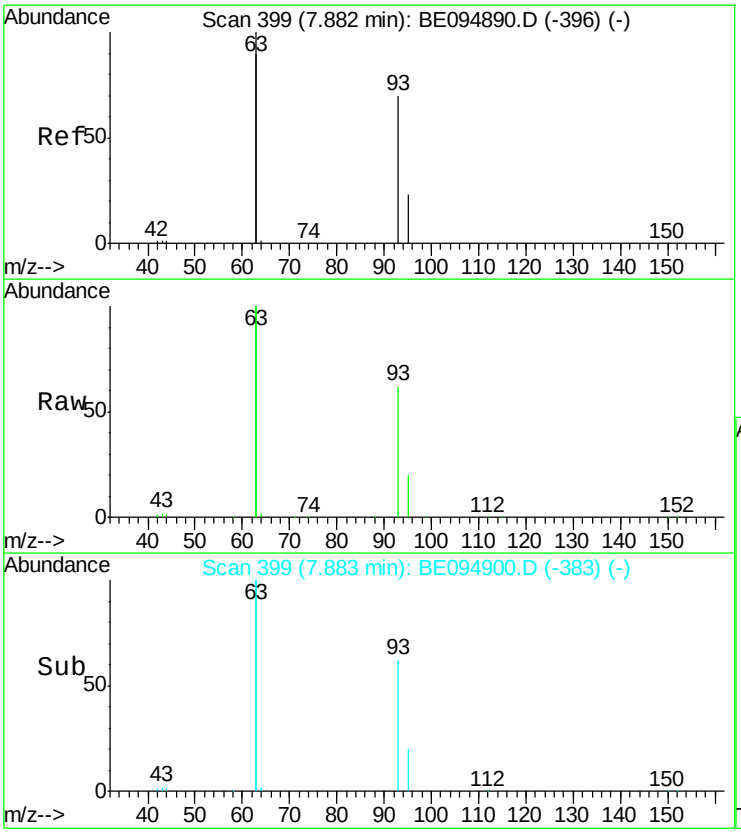
#5
Phenol-d6
Concen: 100.060 ng
RT: 7.61 min Scan# 377
Delta R.T. 0.01 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion: 99 Resp: 2142738

Ion	Ratio	Lower	Upper
99	100		
42	27.3	20.2	30.2
71	42.3	28.4	42.6

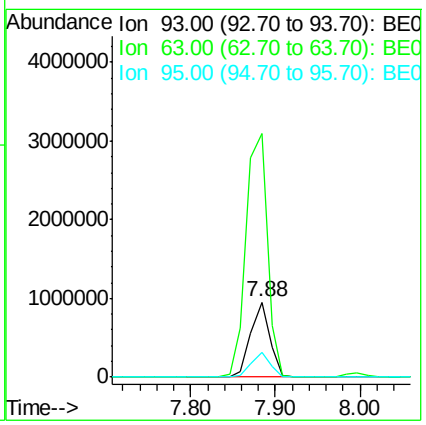


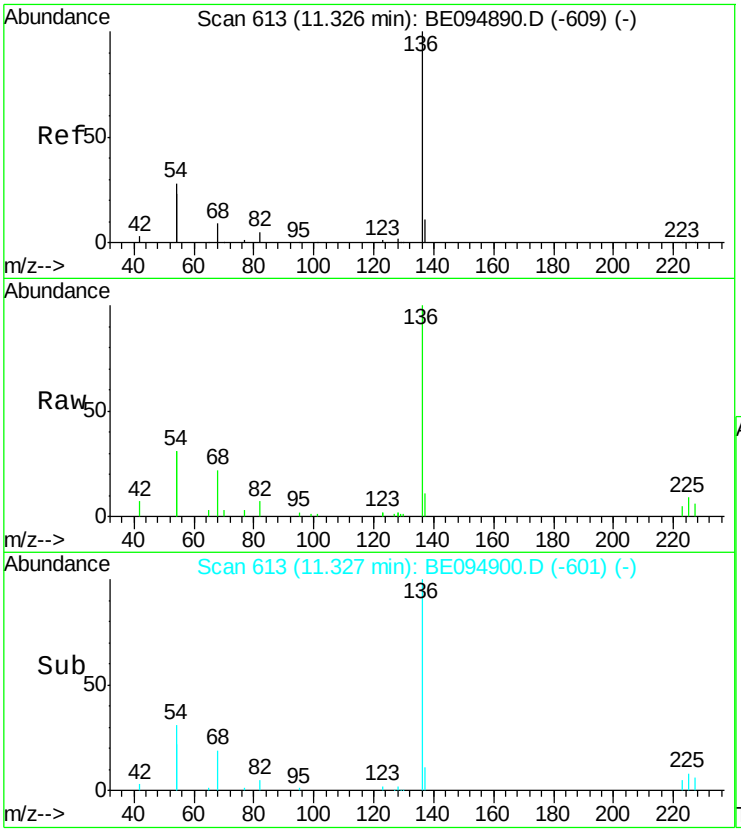


#6
bis(2-Chloroethyl)ether
Concen: 70.751 ng
RT: 7.88 min Scan# 399
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion: 93 Resp: 1501887

Ion	Ratio	Lower	Upper
93	100		
63	363.6	275.3	412.9
95	32.5	25.2	37.8



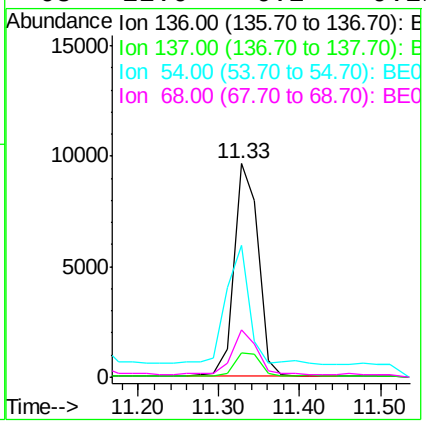


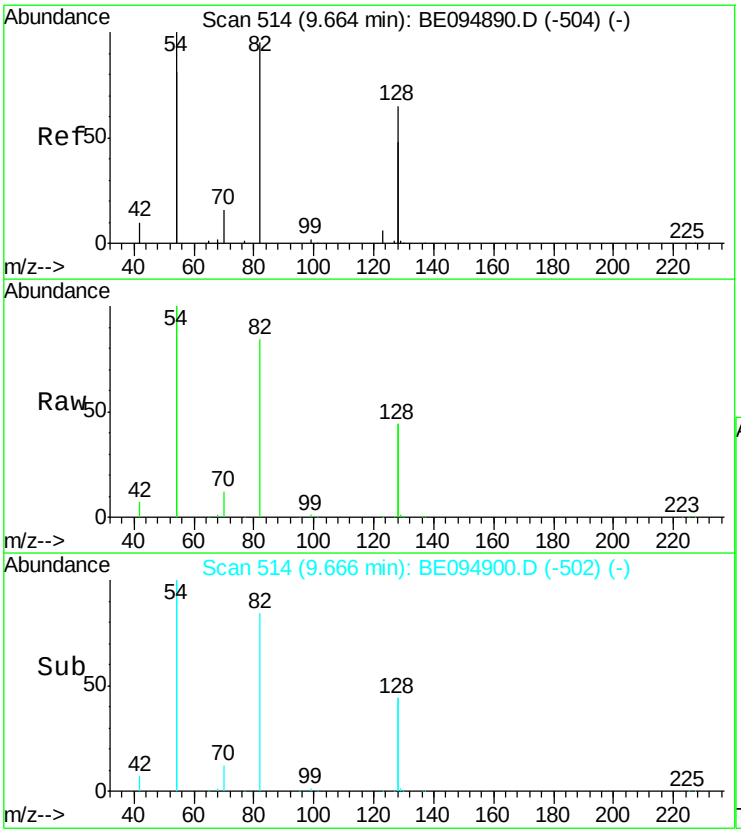
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.33 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:136 Resp: 19860

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	61.5	29.1	43.7#
68	22.0	6.2	9.2#

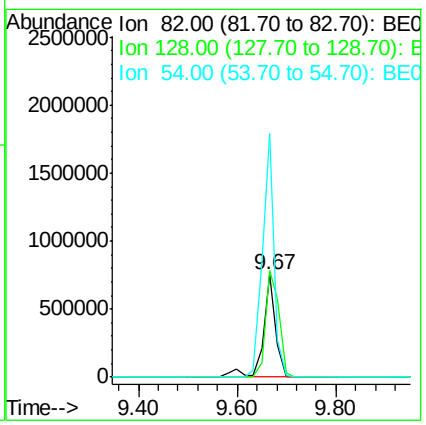


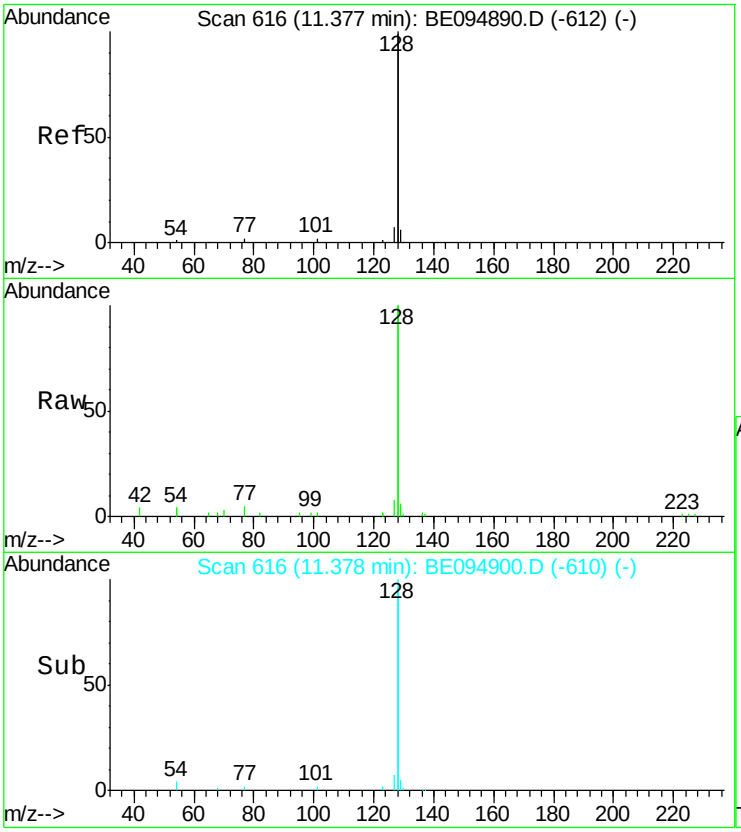


#8
Nitrobenzene-d5
Concen: 113.133 ng
RT: 9.67 min Scan# 514
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion: 82 Resp: 1330159

Ion	Ratio	Lower	Upper
82	100		
128	104.8	150.0	225.0#
54	237.9	154.2	231.4#



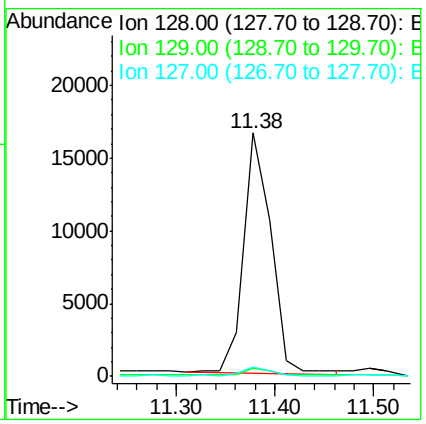


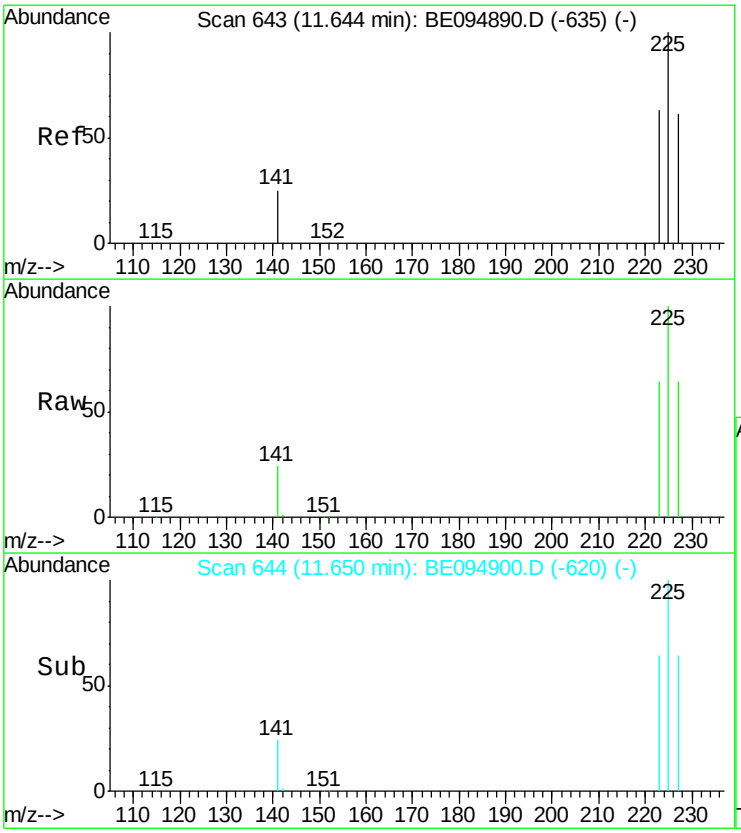
#9
Naphthalene
Concen: 0.136 ng
RT: 11.38 min Scan# 616
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:128 Resp: 31571

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.8	2.8	4.2

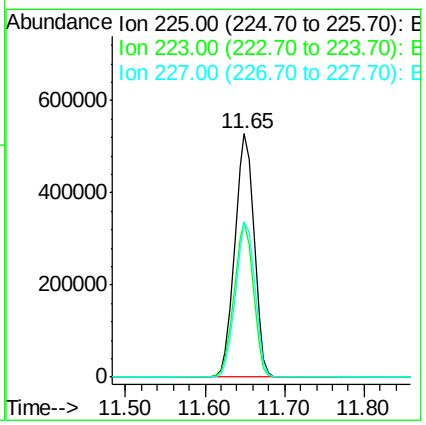


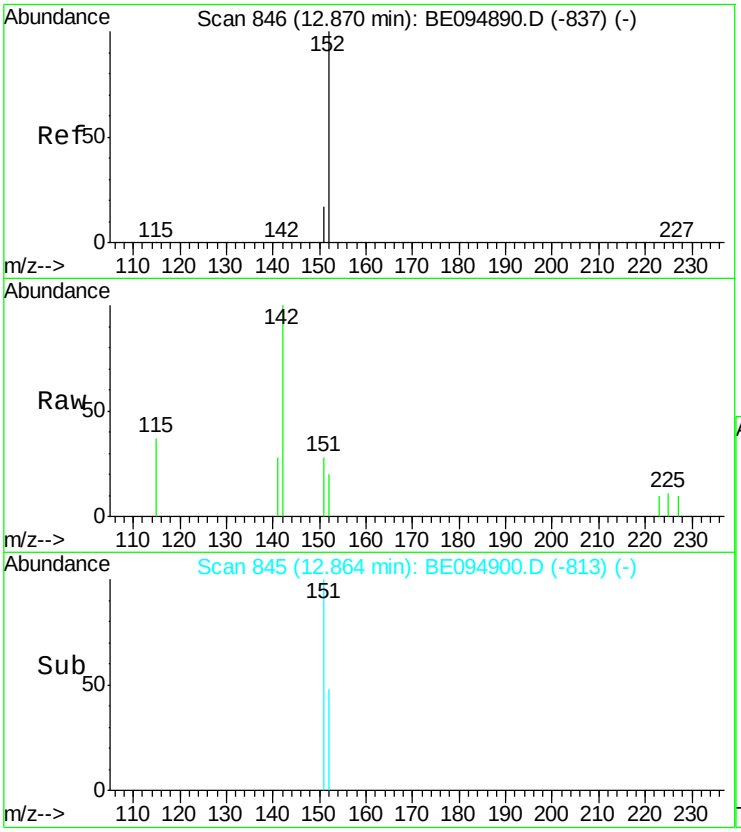


#10
Hexachlorobutadiene
Concen: 90.779 ng
RT: 11.65 min Scan# 644
Delta R.T. 0.01 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:225 Resp: 891985

Ion	Ratio	Lower	Upper
225	100		
223	63.4	53.0	79.6
227	64.1	51.4	77.2



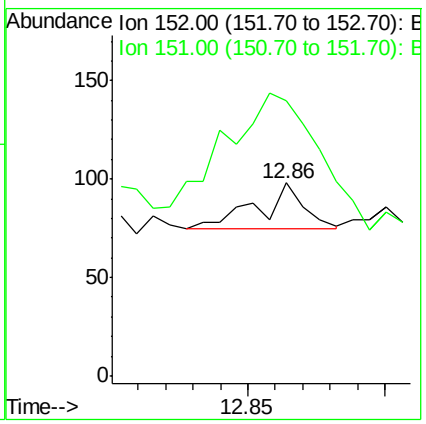


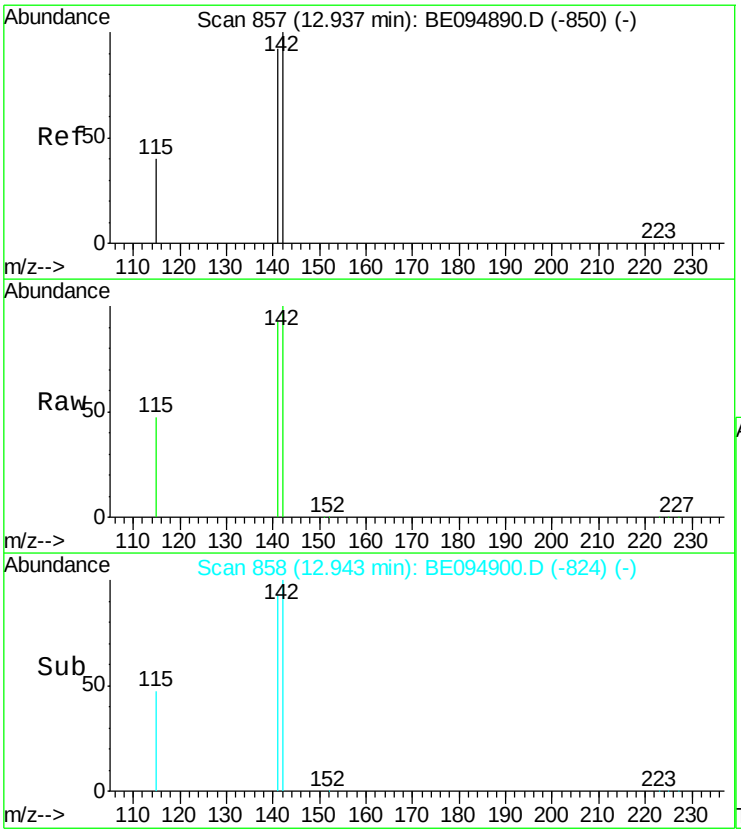
#11
2-Methylnaphthalene-d10
Concen: 0.001 ng
RT: 12.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:152 Resp: 26

Ion	Ratio	Lower	Upper
152	100		
151	650.0	15.4	23.0#

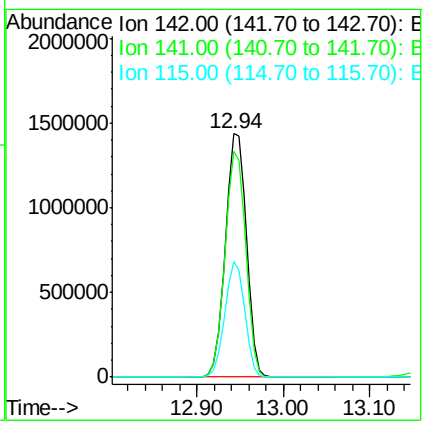


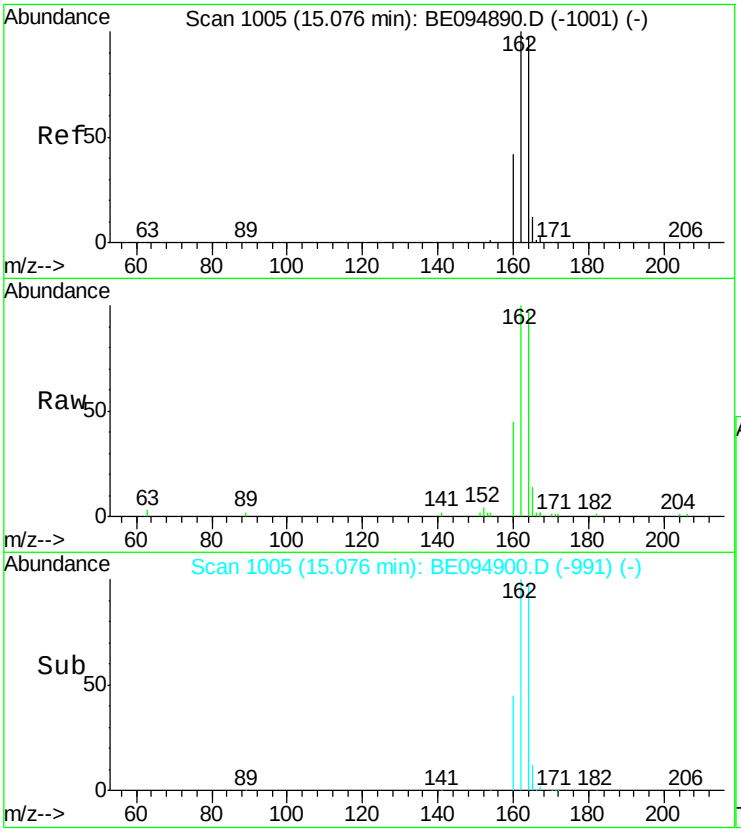


#12
2-Methylnaphthalene
Concen: 61.198 ng
RT: 12.94 min Scan# 858
Delta R.T. 0.01 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:142 Resp: 3540447

Ion	Ratio	Lower	Upper
142	100		
141	92.8	70.4	105.6
115	47.3	31.7	47.5



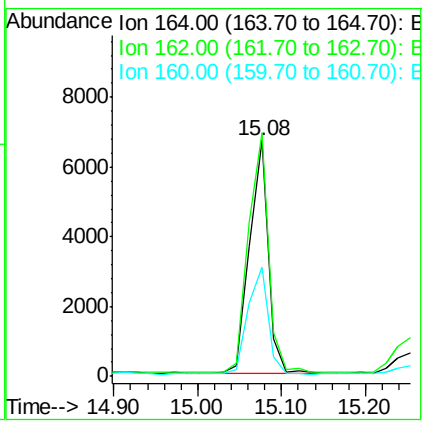


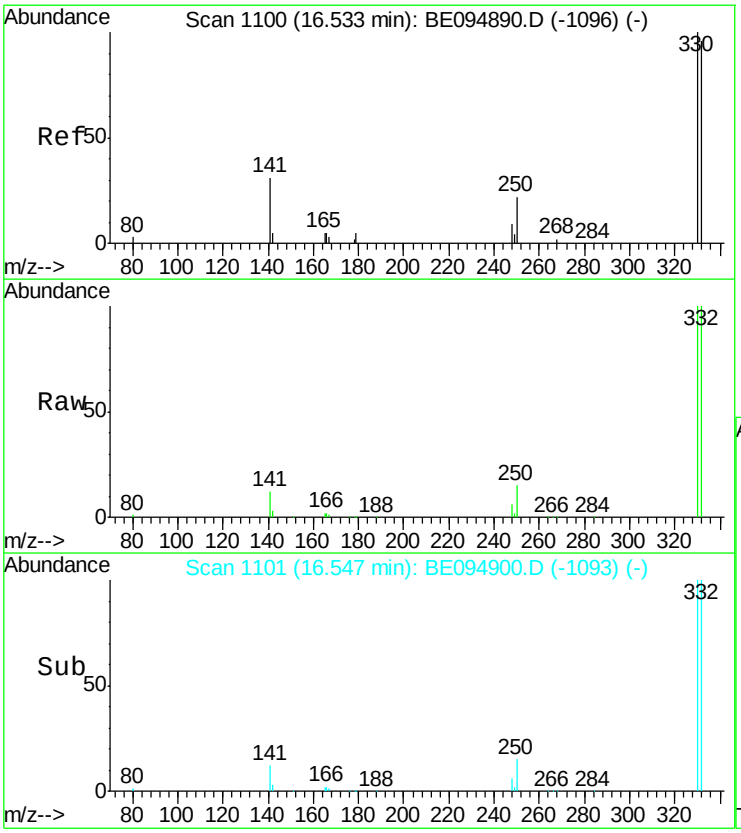
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.08 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:164 Resp: 10384

Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.1	124.7
160	46.2	37.1	55.7

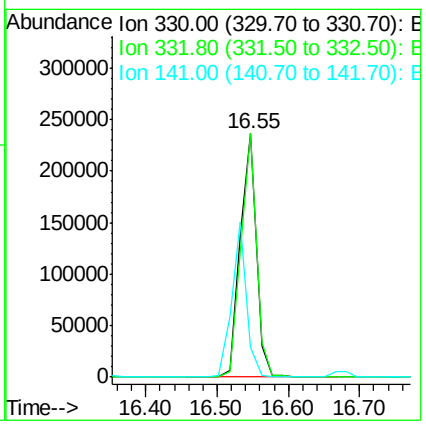


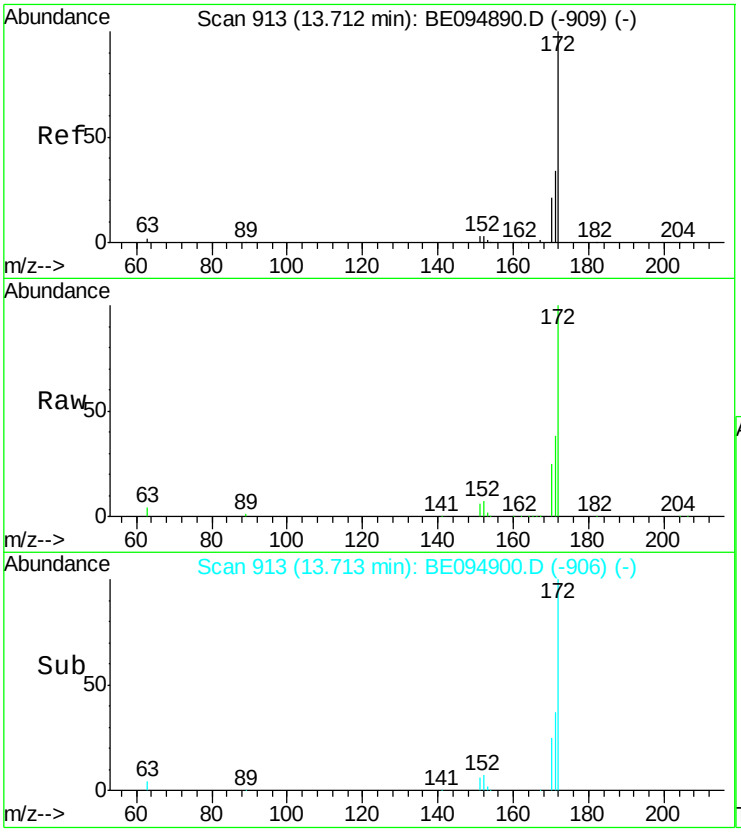


#14
2,4,6-Tribromophenol
Concen: 129.558 ng
RT: 16.55 min Scan# 1101
Delta R.T. 0.02 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:330 Resp: 372221

Ion	Ratio	Lower	Upper
330	100		
332	97.0	152.7	229.1#
141	58.6	33.7	50.5#



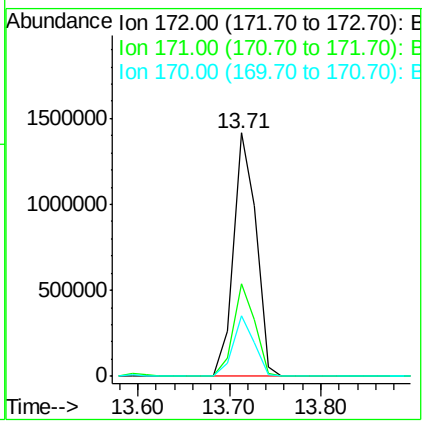


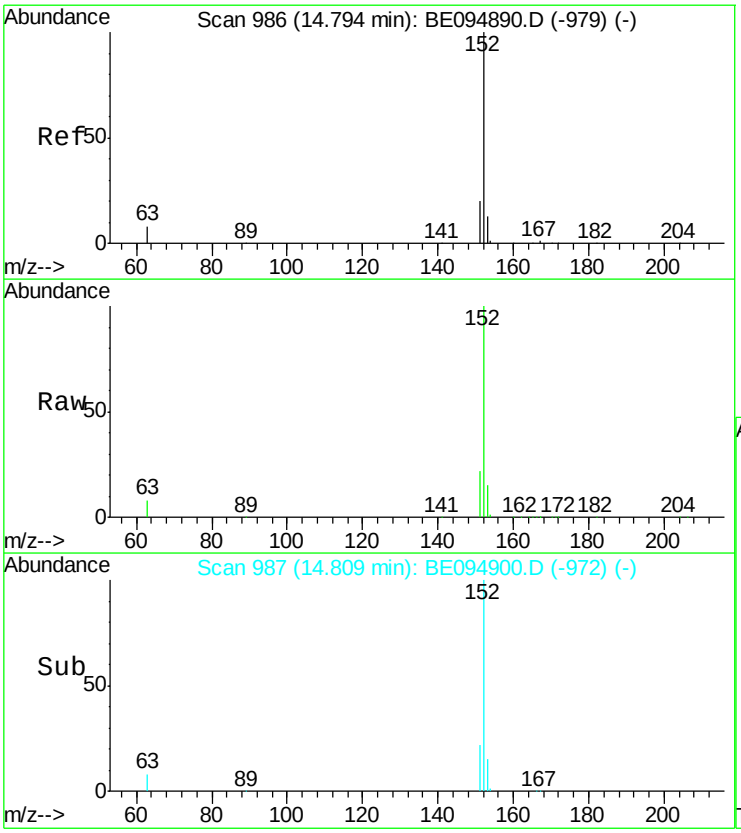
#15
2-Fluorobiphenyl
Concen: 54.601 ng
RT: 13.71 min Scan# 913
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:172 Resp: 2428075

Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.9	44.9
170	25.0	21.8	32.8

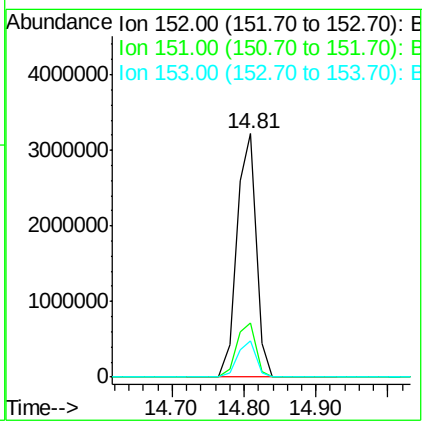


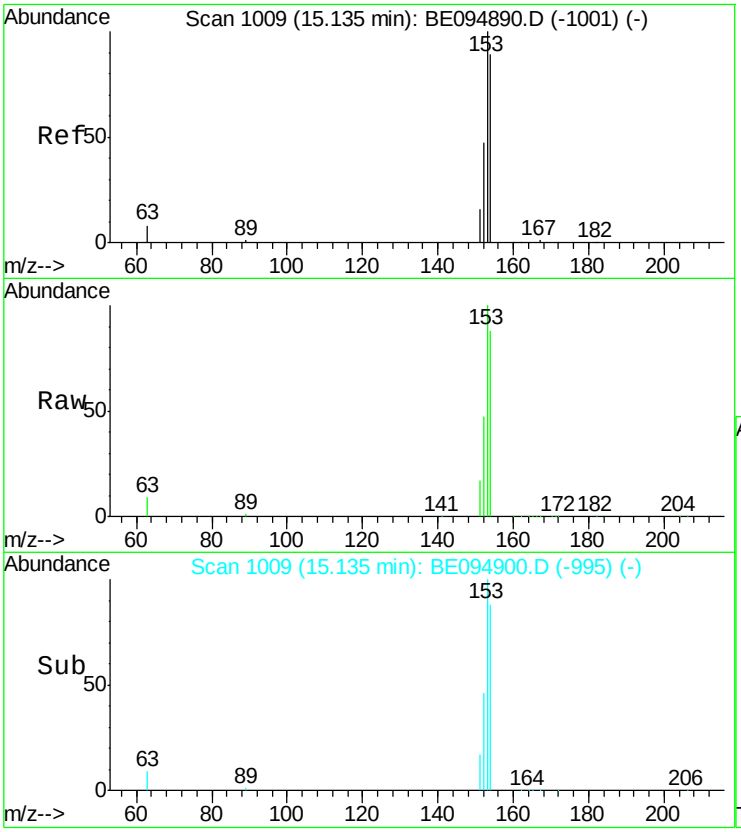


#16
Acenaphthylene
Concen: 101.767 ng
RT: 14.81 min Scan# 987
Delta R.T. 0.02 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:152 Resp: 5971091

Ion	Ratio	Lower	Upper
152	100		
151	22.3	15.7	23.5
153	14.3	10.5	15.7



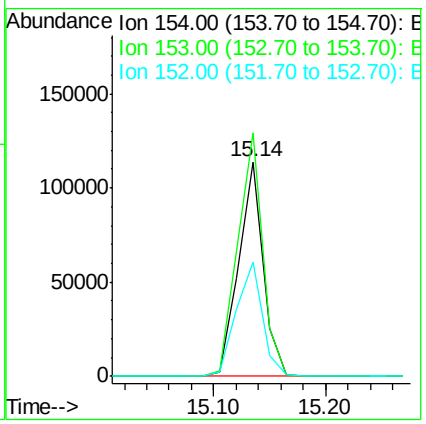


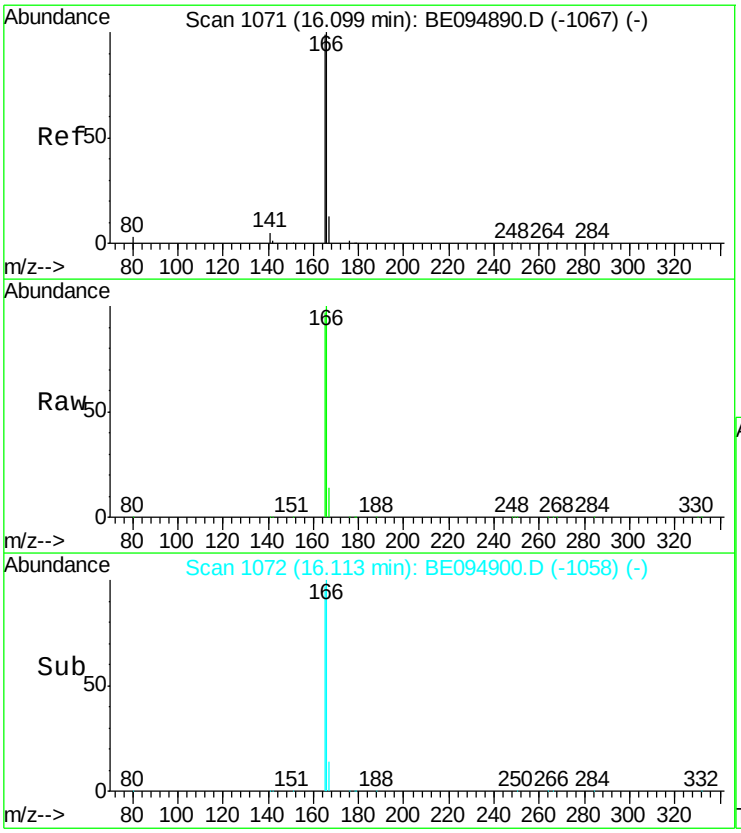
#17
Acenaphthene
Concen: 4.540 ng
RT: 15.14 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:154 Resp: 172151

Ion	Ratio	Lower	Upper
154	100		
153	116.0	89.2	133.8
152	56.0	42.0	63.0

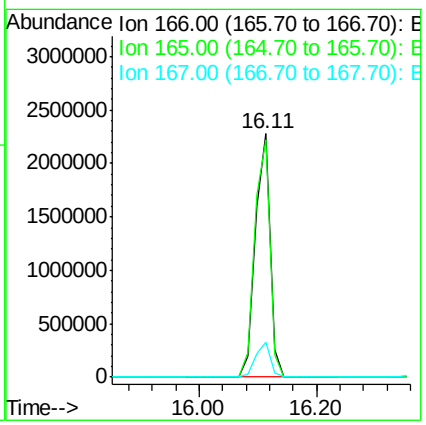


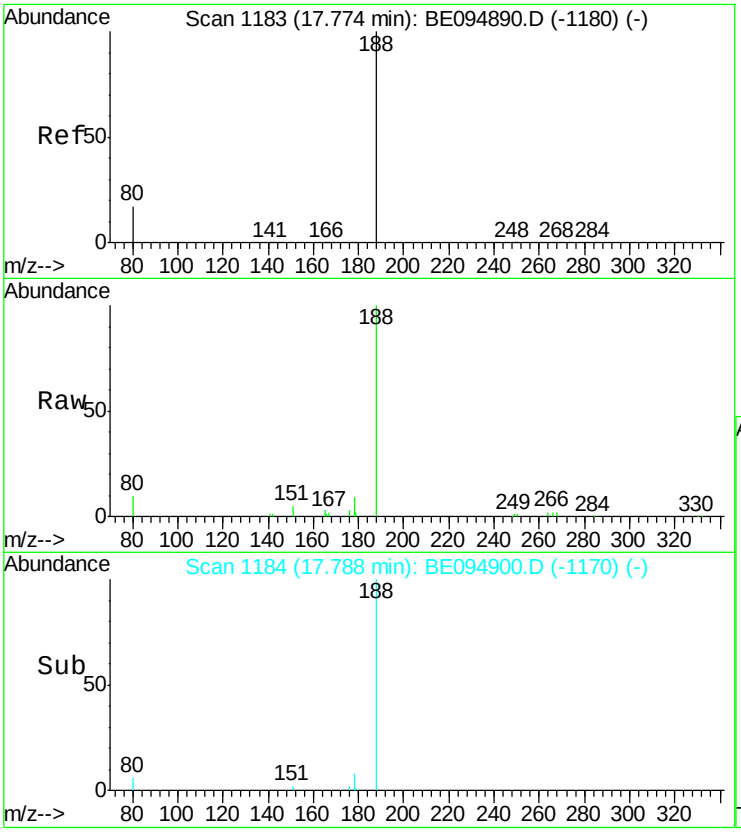


#18
Fluorene
Concen: 80.635 ng
RT: 16.11 min Scan# 1072
Delta R.T. 0.01 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:166 Resp: 3890960

Ion	Ratio	Lower	Upper
166	100		
165	100.8	77.8	116.6
167	14.0	42.4	63.6#



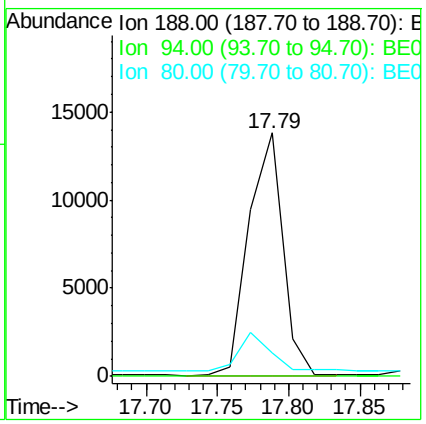


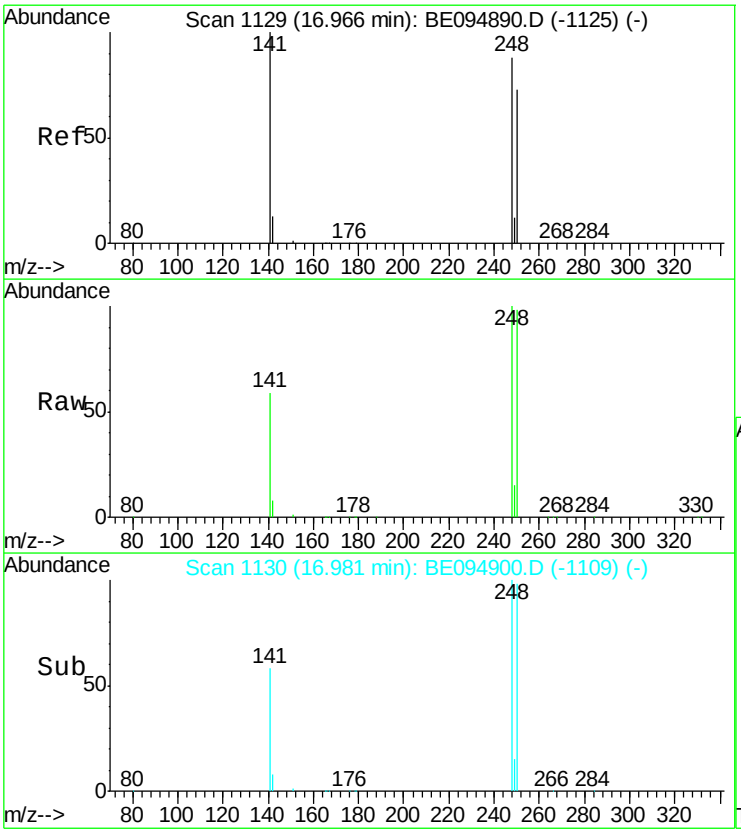
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.79 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:188 Resp: 23185

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.8	3.6	5.4#

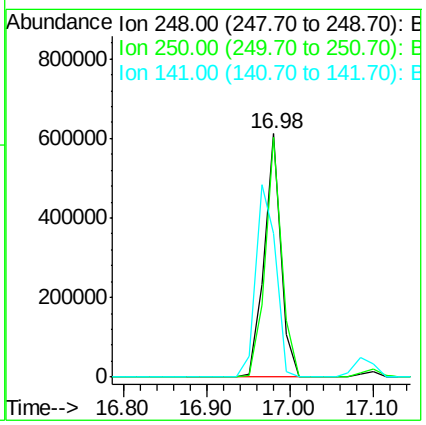


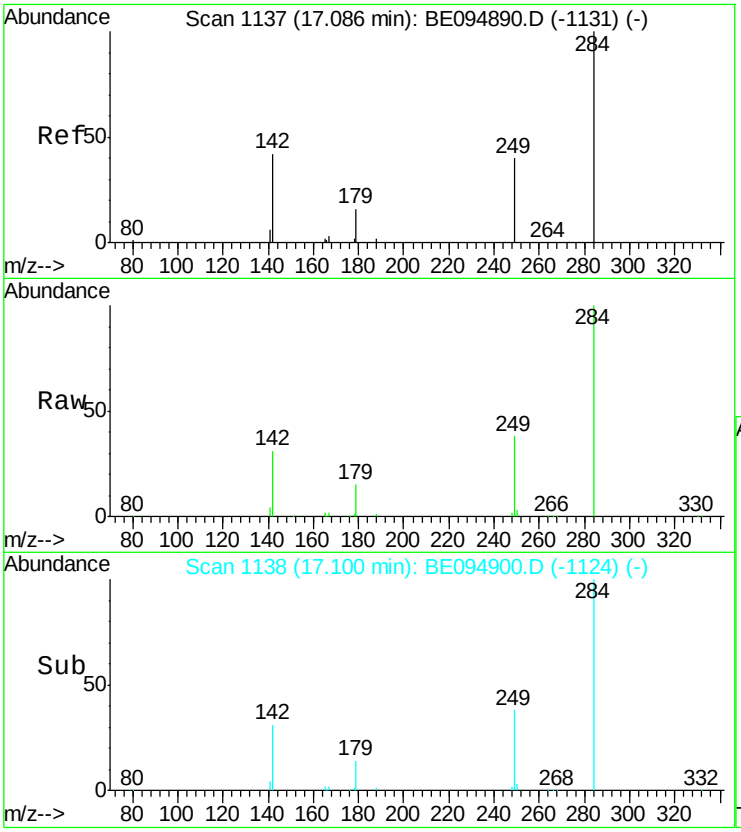


#20
4-Bromophenyl-phenylether
Concen: 66.627 ng
RT: 16.98 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:248 Resp: 861800

Ion	Ratio	Lower	Upper
248	100		
250	98.4	62.7	94.1#
141	59.0	48.2	72.2



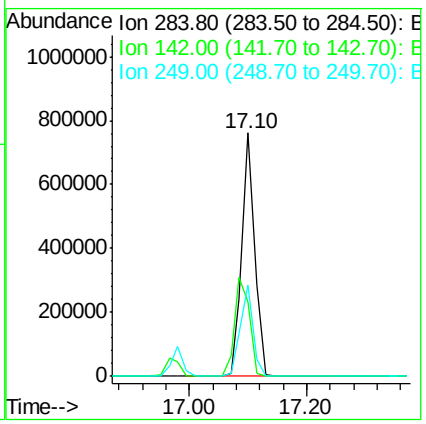


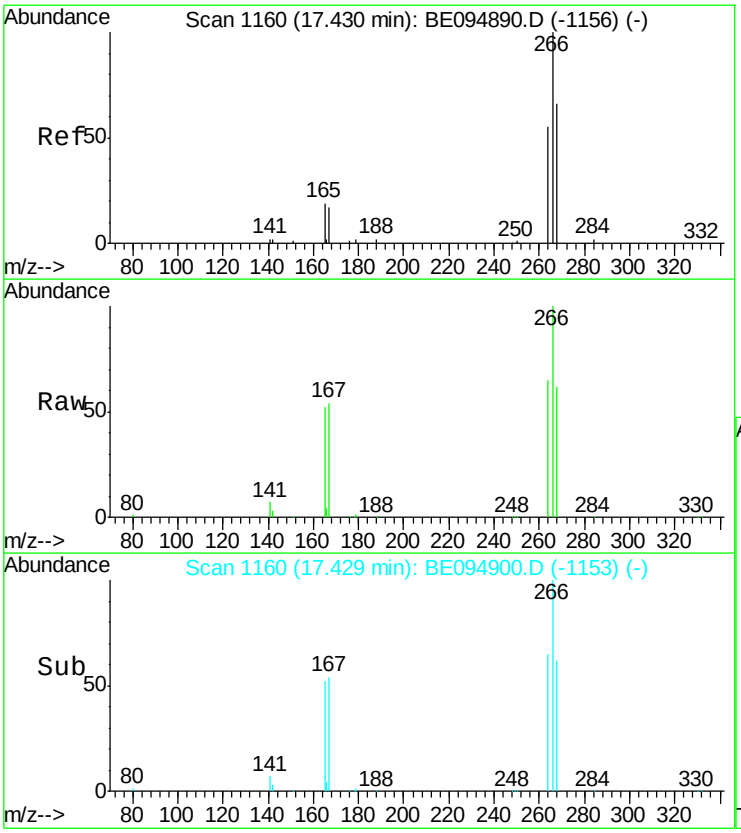
#21
Hexachlorobenzene
Concen: 92.608 ng
RT: 17.10 min Scan# 1138
Delta R.T. 0.01 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:284 Resp: 1168445

Ion	Ratio	Lower	Upper
284	100		
142	47.5	22.1	33.1#
249	37.2	34.8	52.2

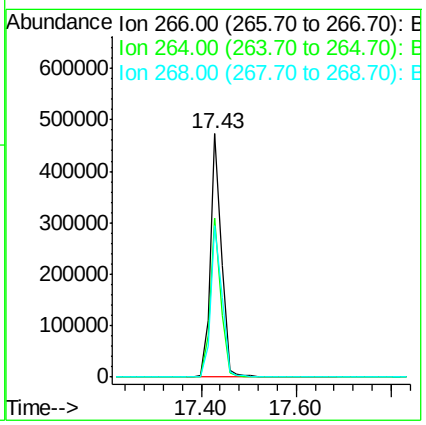


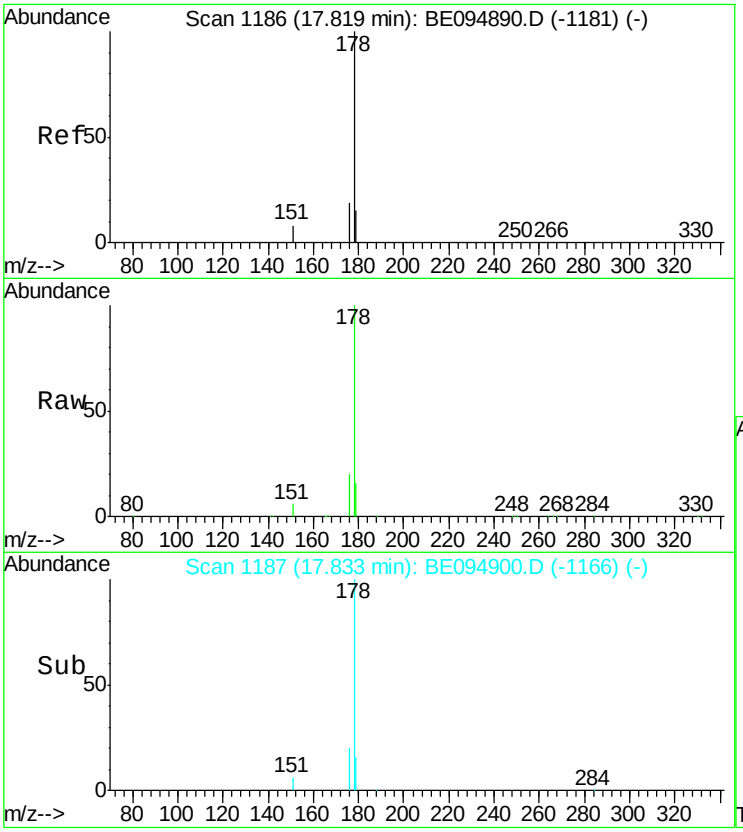


#22
Pentachlorophenol
Concen: 179.584 ng
RT: 17.43 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:266 Resp: 749774

Ion	Ratio	Lower	Upper
266	100		
264	65.2	72.5	108.7#
268	62.1	73.8	110.6#



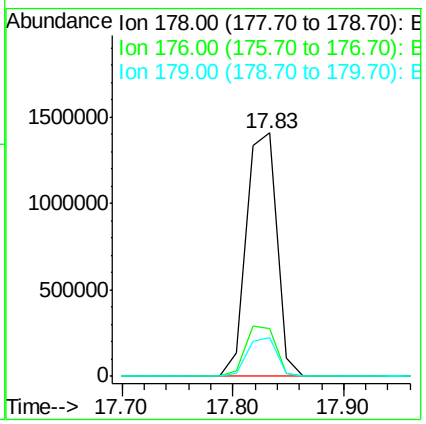


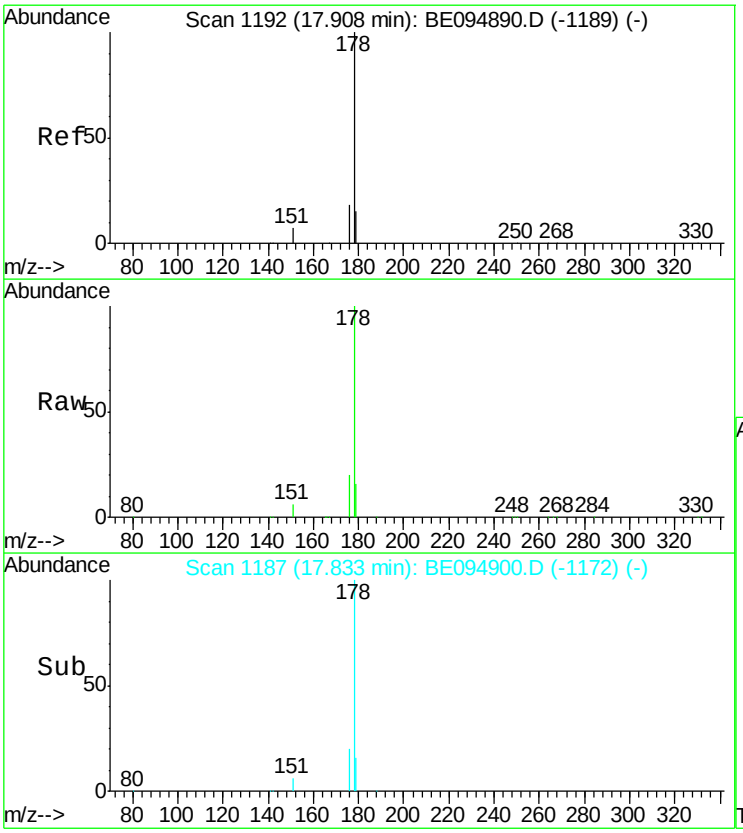
#23
Phenanthrene
Concen: 36.354 ng
RT: 17.83 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:178 Resp: 2685662

Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.1	22.7
179	15.6	11.8	17.6

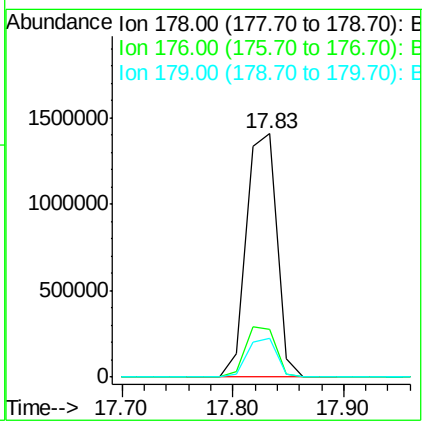


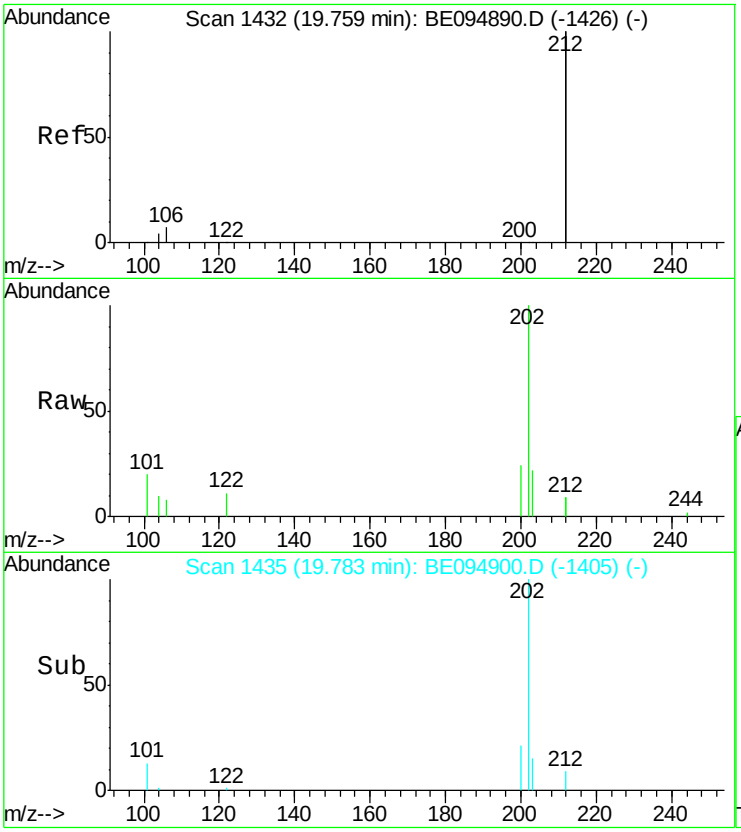


#24
Anthracene
Concen: 34.285 ng
RT: 17.83 min Scan# 1187
Delta R.T. -0.08 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:178 Resp: 2685662

Ion	Ratio	Lower	Upper
178	100		
176	20.7	12.8	19.2#
179	15.6	13.0	19.6



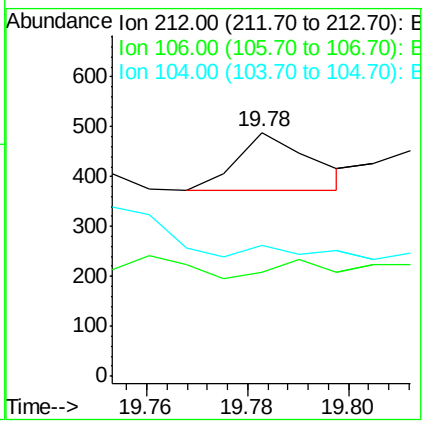


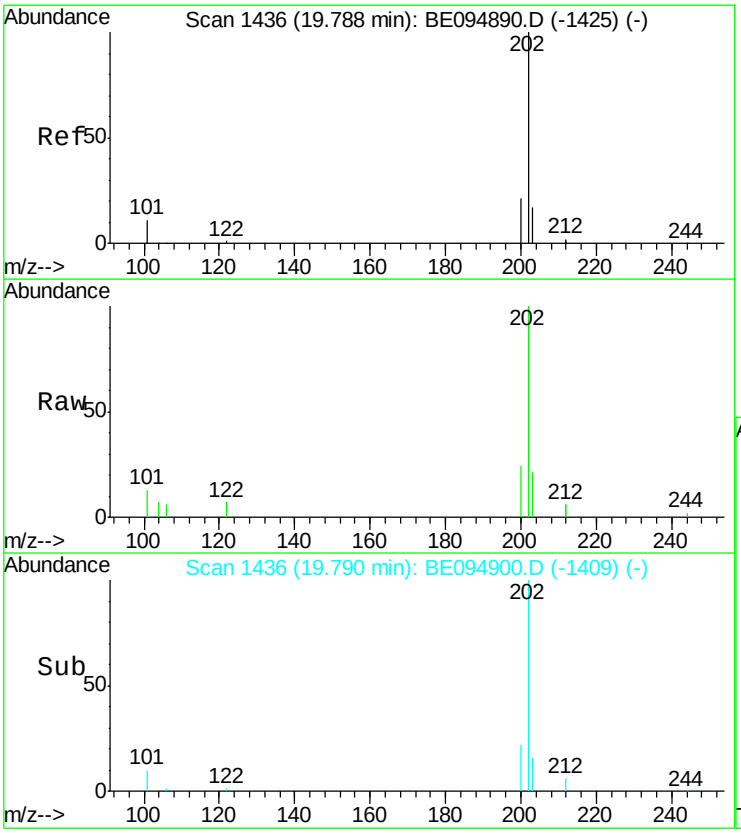
#25
Fluoranthene-d10
Concen: 0.000 ng
RT: 19.78 min Scan# 1435
Delta R.T. 0.02 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:212 Resp: 120

Ion	Ratio	Lower	Upper
212	100		
106	23.3	2.8	4.2#
104	20.8	1.6	2.4#

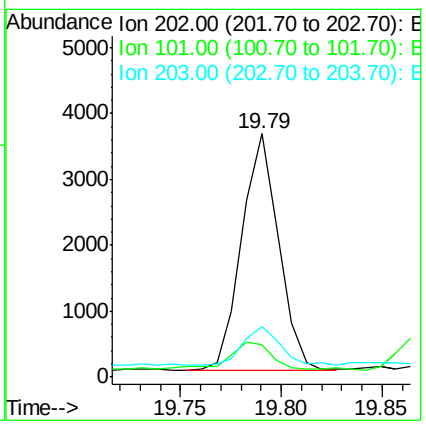


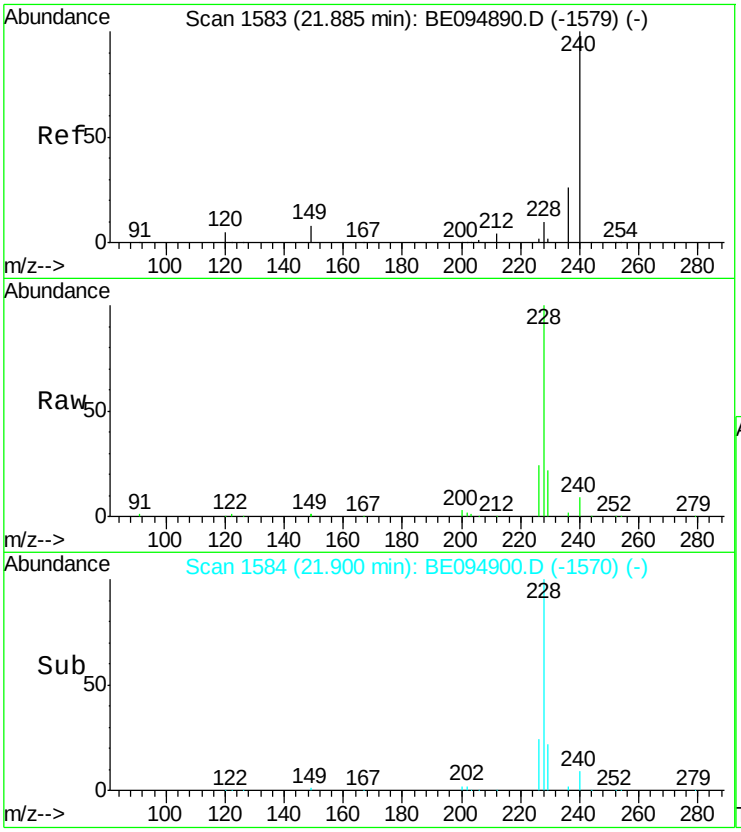


#26
Fluoranthene
Concen: 0.048 ng
RT: 19.79 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:202 Resp: 4599

Ion	Ratio	Lower	Upper
202	100		
101	14.5	9.8	14.8
203	16.7	13.7	20.5



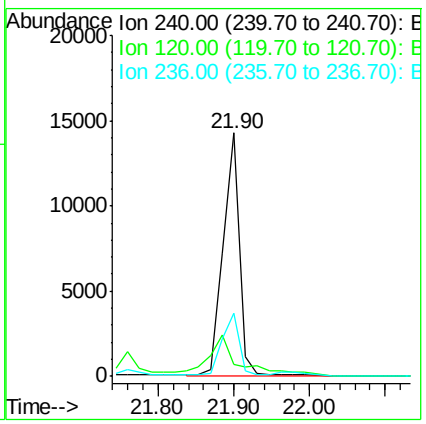


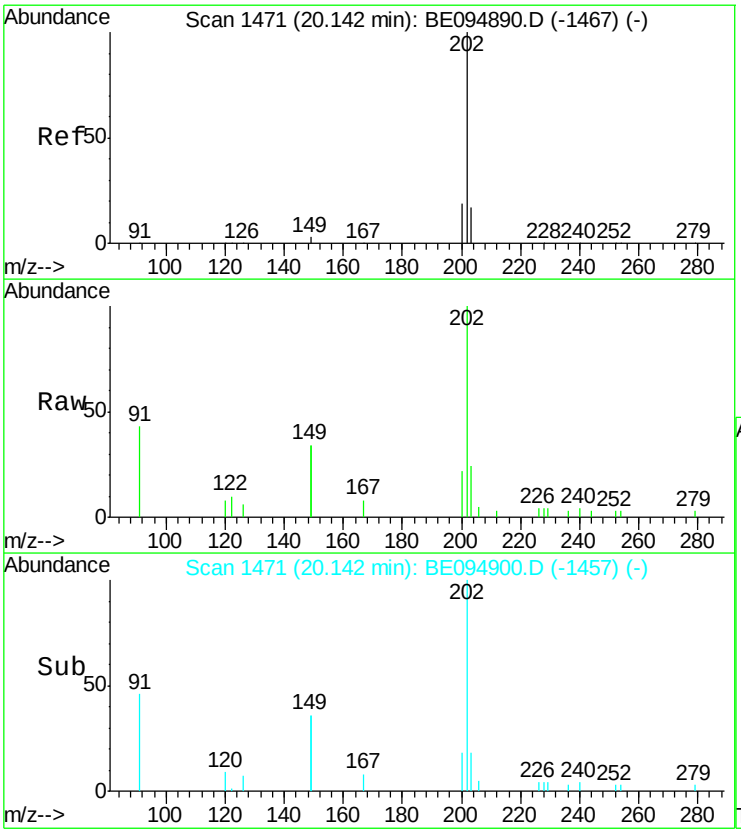
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.90 min Scan# 1584
Delta R.T. 0.02 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:240 Resp: 23436

Ion	Ratio	Lower	Upper
240	100		
120	4.7	5.5	8.3#
236	26.0	20.7	31.1

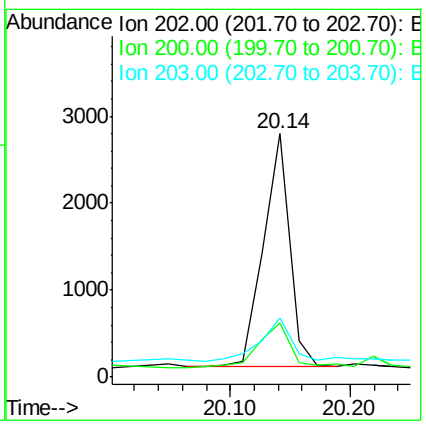


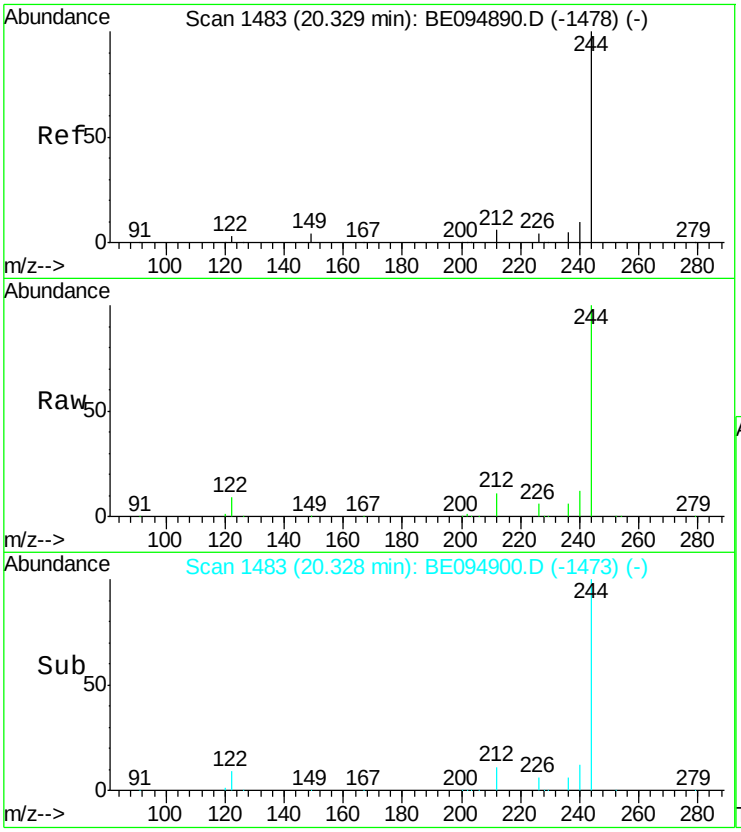


#28
Pyrene
Concen: 0.051 ng
RT: 20.14 min Scan# 1471
Delta R.T. -0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:202 Resp: 4098

Ion	Ratio	Lower	Upper
202	100		
200	23.6	16.6	25.0
203	24.1	13.8	20.8#



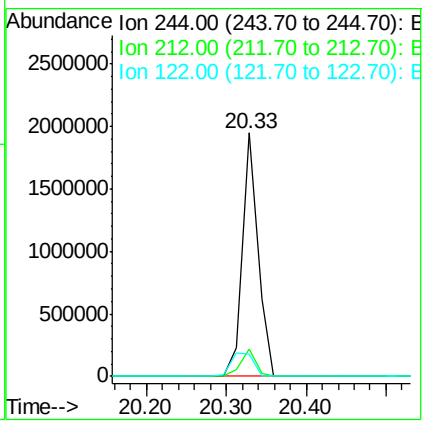


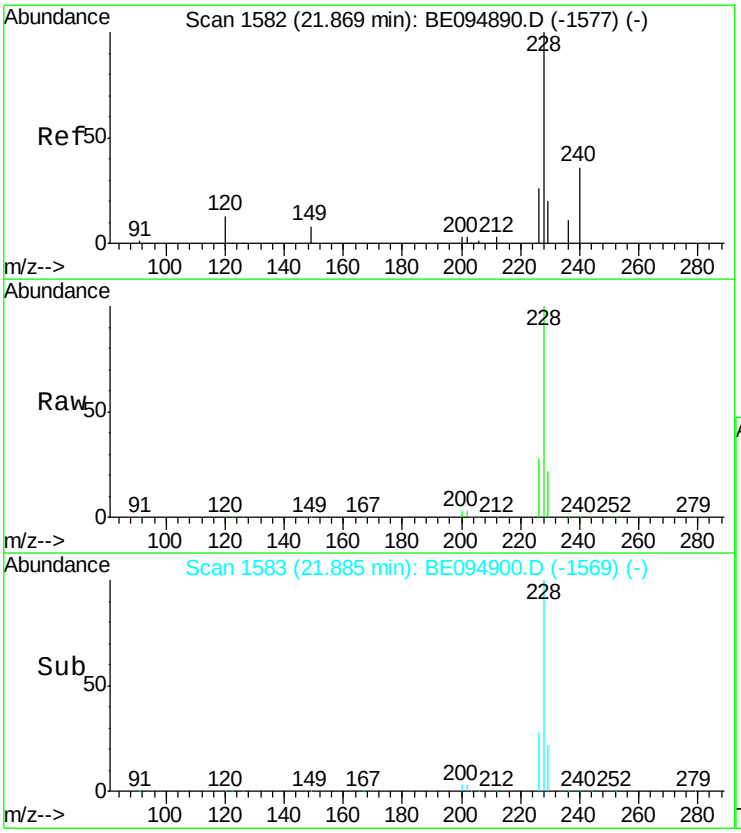
#29
Terphenyl-d14
Concen: 60.647 ng
RT: 20.33 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:244 Resp: 2625001

Ion	Ratio	Lower	Upper
244	100		
212	11.4	25.4	38.0#
122	9.0	8.1	12.1

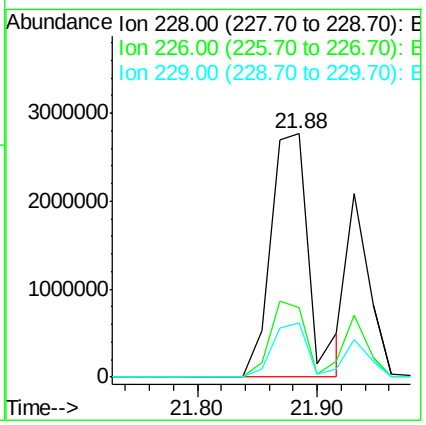


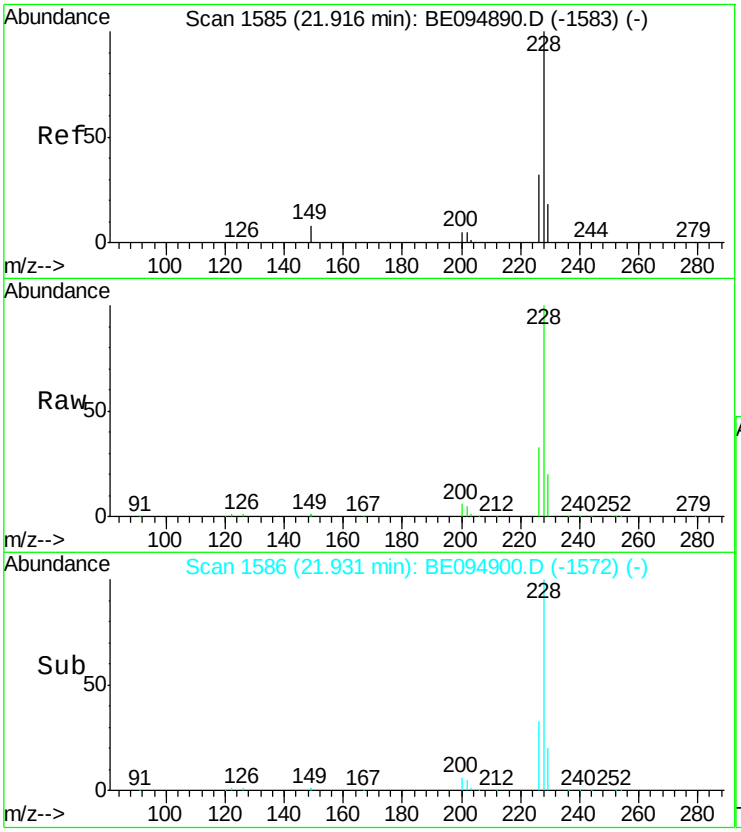


#30
Benzo(a)anthracene
Concen: 86.510 ng
RT: 21.88 min Scan# 1583
Delta R.T. 0.02 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:228 Resp: 6217053

Ion	Ratio	Lower	Upper
228	100		
226	28.4	40.0	60.0#
229	22.4	40.0	60.0#



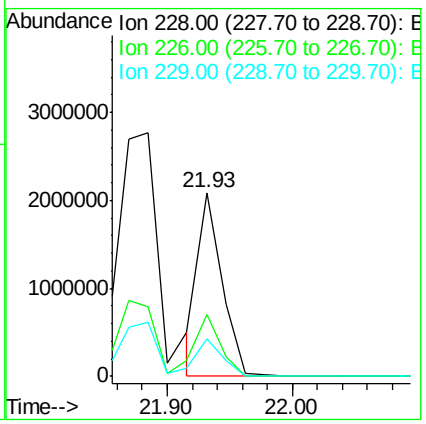


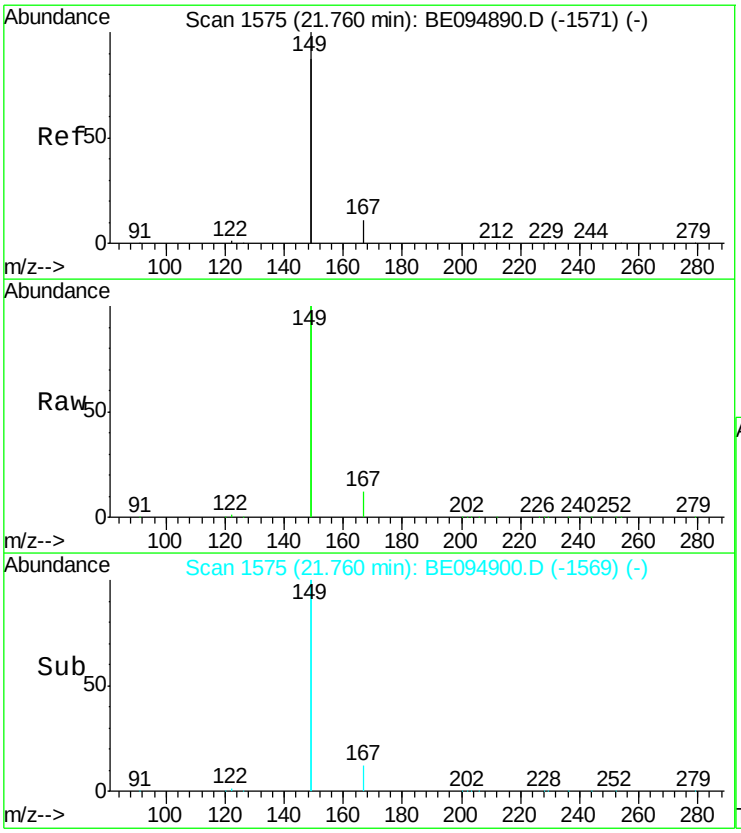
#31
Chrysene
Concen: 38.107 ng
RT: 21.93 min Scan# 1586
Delta R.T. 0.02 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:228 Resp: 3025914

Ion	Ratio	Lower	Upper
228	100		
226	33.4	40.0	60.0#
229	20.2	40.0	60.0#

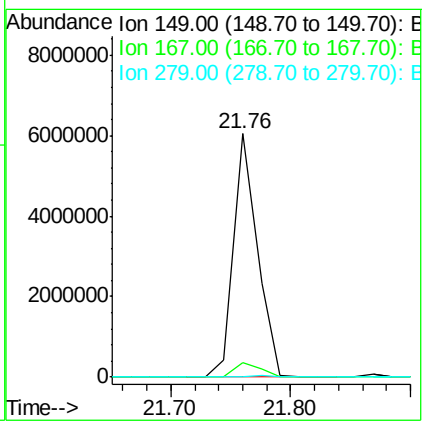


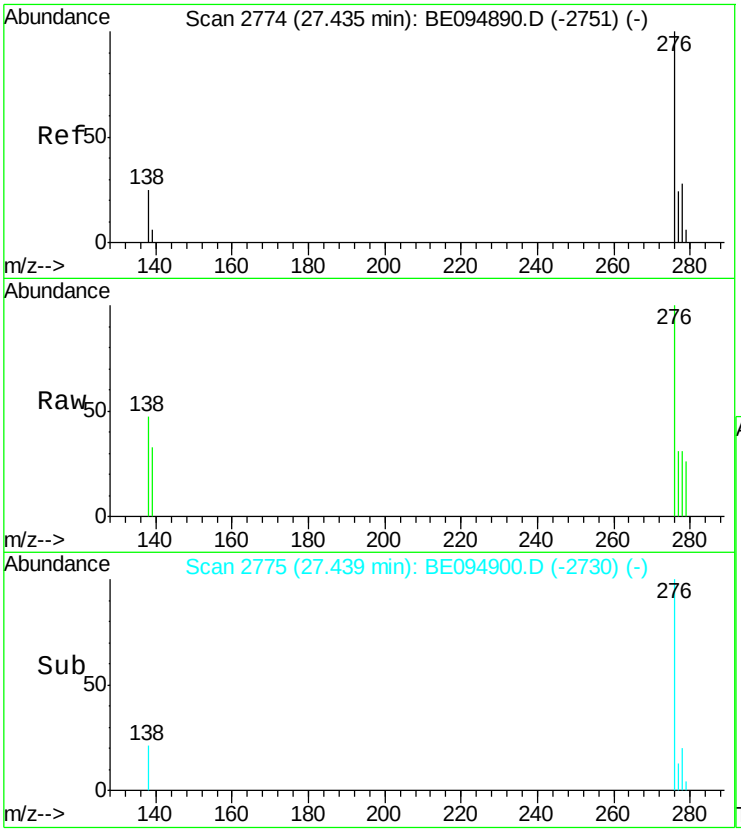


#32
Bis(2-ethylhexyl)phthalate
Concen: 69.289 ng
RT: 21.76 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:149 Resp: 8251887

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.7	0.7	1.1



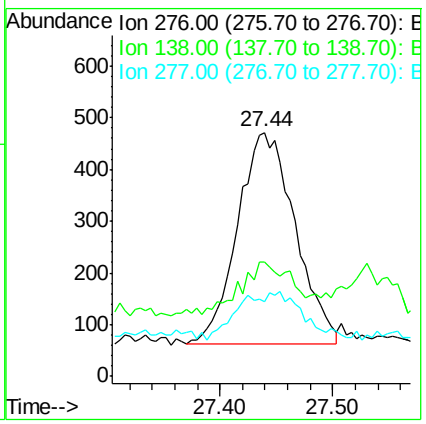


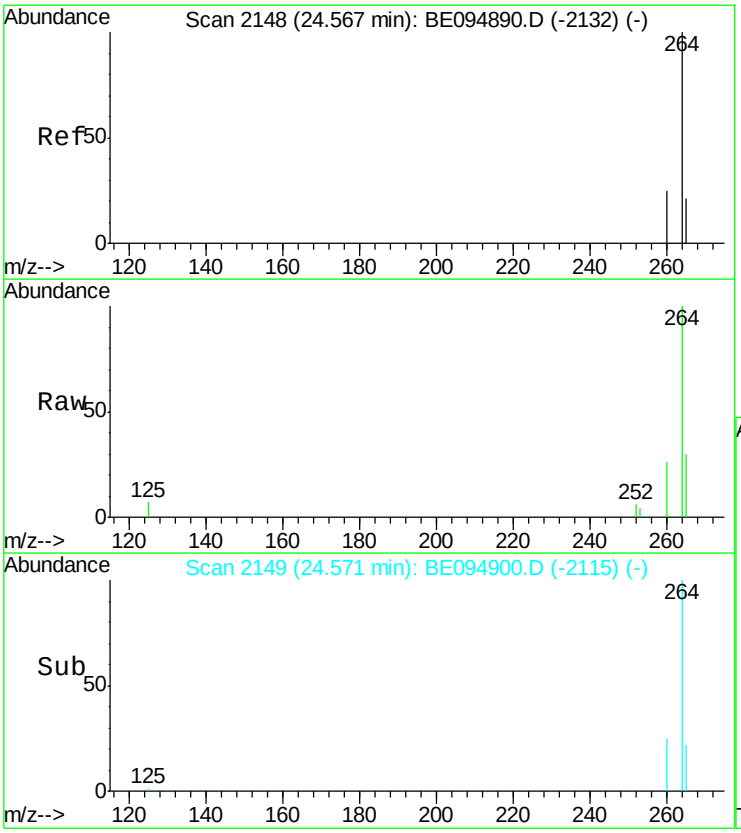
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.022 ng
RT: 27.44 min Scan# 2775
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:276 Resp: 1437

Ion	Ratio	Lower	Upper
276	100		
138	25.4	22.5	33.7
277	11.4	19.9	29.9#

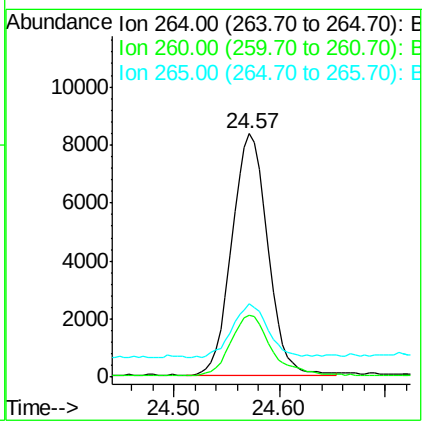


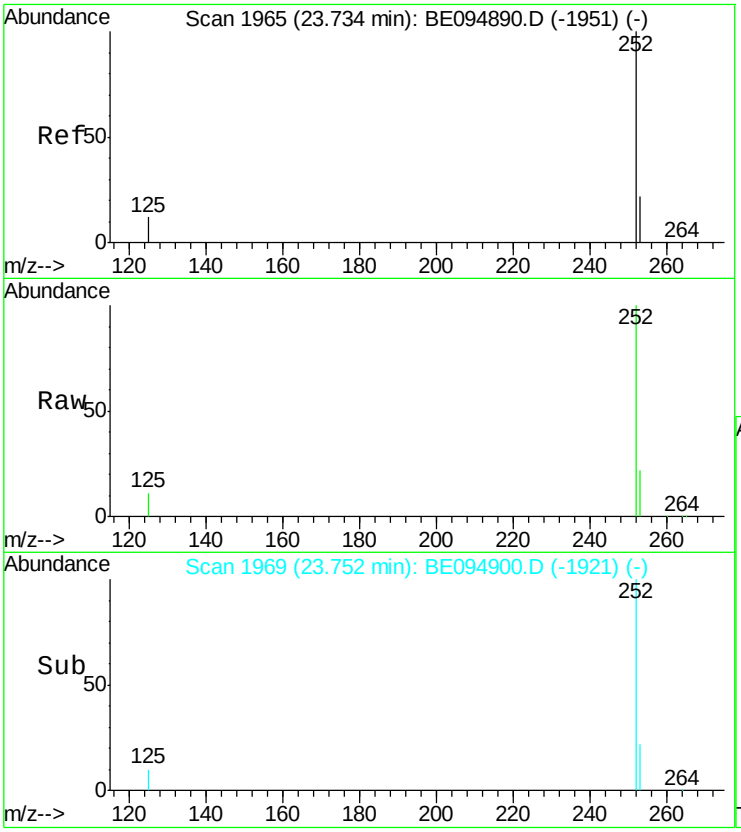


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.57 min Scan# 2149
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:264 Resp: 19634

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.5	30.7
265	30.0	22.8	34.2



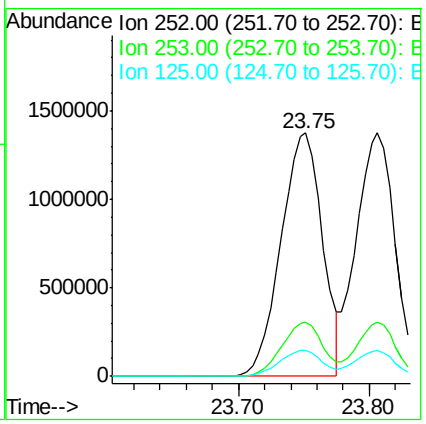


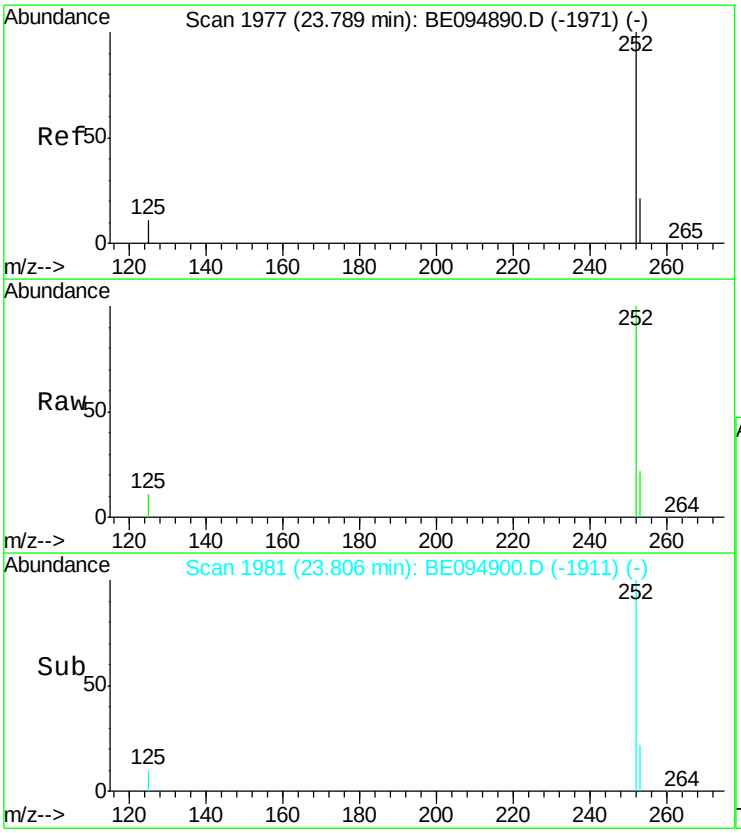
#35
Benzo(b)fluoranthene
Concen: 42.268 ng
RT: 23.75 min Scan# 1969
Delta R.T. 0.02 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:252 Resp: 3029845

Ion	Ratio	Lower	Upper
252	100		
253	22.4	48.0	72.0#
125	10.5	56.0	84.0#

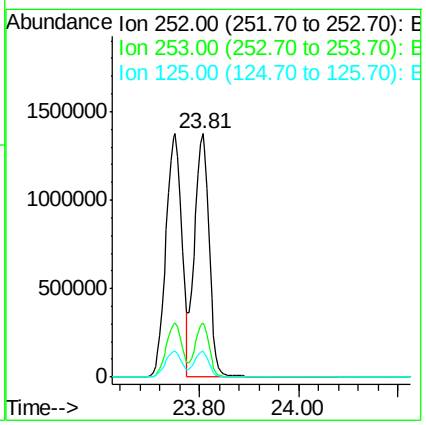


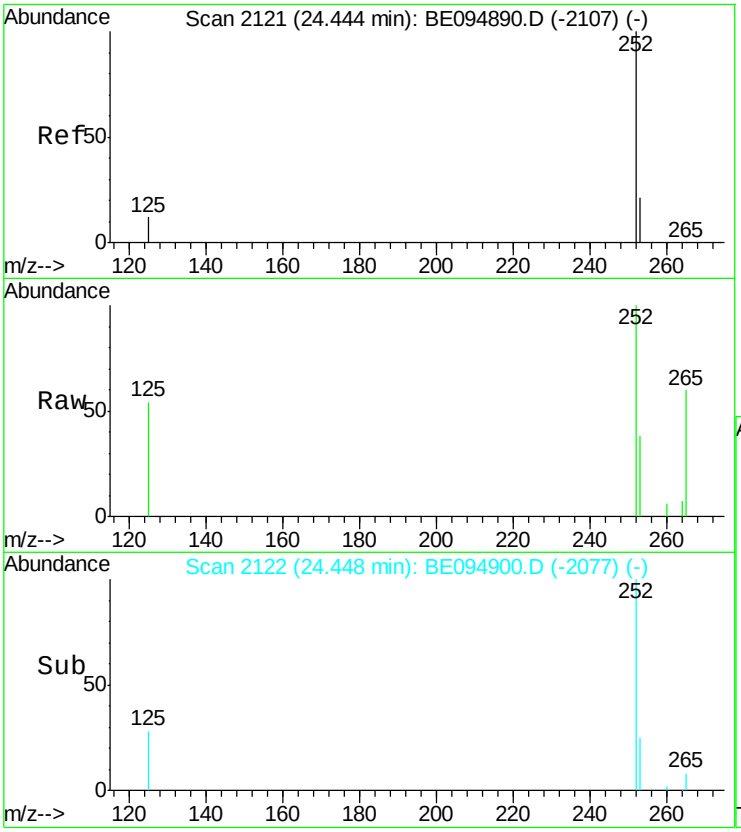


#36
Benzo(k)fluoranthene
Concen: 38.988 ng
RT: 23.81 min Scan# 1981
Delta R.T. 0.02 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:252 Resp: 2848780

Ion	Ratio	Lower	Upper
252	100		
253	22.4	48.0	72.0#
125	10.5	56.0	84.0#



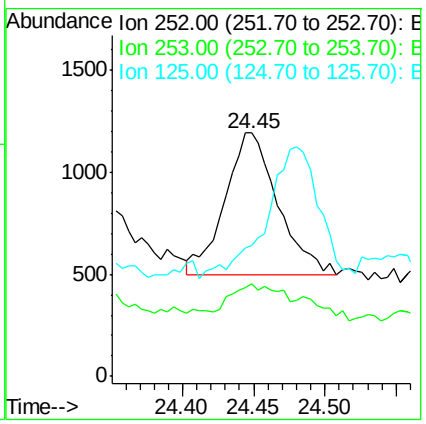


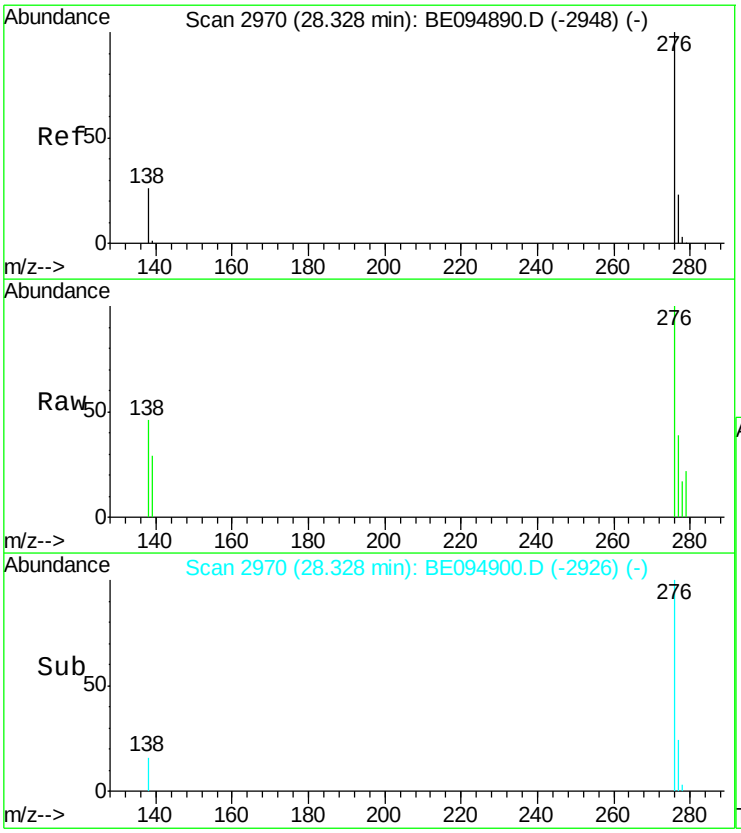
#37
Benzo(a)pyrene
Concen: 0.029 ng
RT: 24.45 min Scan# 2122
Delta R.T. 0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tgt Ion:252 Resp: 1809

Ion	Ratio	Lower	Upper
252	100		
253	37.9	52.0	78.0#
125	53.7	68.0	102.0#





#39
Benzo(g,h,i)perylene
Concen: 0.027 ng
RT: 28.33 min Scan# 2970
Delta R.T. -0.00 min
Lab File: BE094900.D
Acq: 1 Dec 2017 11:57

Tgt Ion:276 Resp: 1544

Ion	Ratio	Lower	Upper
276	100		
277	39.3	52.0	78.0#
138	45.9	44.0	66.0