Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\
Data File : BE099809.D
Acq On : 5 Jun 2019 18:24
Operator : JU/SJ
Sample : K2241-01
Misc : LOD-SIM-0.1PPM
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2019

Quant Time: Jun 06 01:40:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1040	0.40	ng		0.00
7) Naphthalene-d8	10.63	136	3274	0.40	ng		0.01
13) Acenaphthene-d10	14.49	164	2306	0.40	ng		0.01
19) Phenanthrene-d10	17.24	188	7558	0.40	ng		0.01
27) Chrysene-d12	21.43	240	13239	0.40	ng		0.01
34) Perylene-d12	23.96	264	15767	0.40	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.38	112	964	0.38	ng		0.01
5) Phenol-d6	6.99	99	1125	0.35	ng		0.02
8) Nitrobenzene-d5	8.99	82	806	0.28	ng		0.03
11) 2-Methylnaphthalene-d10	12.24	152	901	0.16	ng		0.03
14) 2,4,6-Tribromophenol	16.01	330	296	0.31	ng		0.03
15) 2-Fluorobiphenyl	13.13	172	2708	0.32	ng		0.03
25) Fluoranthene-d10	19.27	212	21082	0.19	ng		0.01
29) Terphenyl-d14	19.87	244	8273	0.38	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.28	88	153	0.101	ng	#	21
3) n-Nitrosodimethylamine	3.62	42	41	0.051	ng	#	71
6) bis(2-Chloroethyl)ether	7.23	93	160	0.056	ng		97
9) Naphthalene	10.68	128	2181	0.062	ng	#	86
10) Hexachlorobutadiene	10.94	225	154	0.058	ng	#	85
12) 2-Methylnaphthalene	12.32	142	252	0.045	ng	#	84
16) Acenaphthylene	14.21	152	574	0.052	ng		97
17) Acenaphthene	14.56	154	303	0.050	ng		90
18) Fluorene	15.54	166	448	0.050	ng	#	87
20) 4-Bromophenyl-phenylether	16.44	248	218	0.052	ng	#	86
21) Hexachlorobenzene	16.53	284	239	0.052	ng		96
22) Pentachlorophenol	16.92	266	8	0.285	ng		88
23) Phenanthrene	17.28	178	923	0.051	ng		98
24) Anthracene	17.38	178	625	0.038	ng	#	90
26) Fluoranthene	19.30	202	1894	0.060	ng		99
28) Pyrene	19.66	202	1915	0.060	ng		99
30) Benzo(a)anthracene	21.40	228	1796	0.049	ng	#	87
31) Chrysene	21.45	228	2619	0.065	ng		94
32) Bis(2-ethylhexyl)phthalate	21.32	149	2143	0.051	ng	#	97
33) Indeno(1,2,3-cd)pyrene	26.66	276	1280	0.026	ng	#	84
35) Benzo(b)fluoranthene	23.17	252	2171	0.050	ng	#	83
36) Benzo(k)fluoranthene	23.22	252	2776	0.060	ng	#	85
37) Benzo(a)pyrene	23.84	252	2273	0.054	ng	#	82
38) Dibenzo(a,h)anthracene	26.70	278	1703	0.040	ng	#	73
39) Benzo(g,h,i)perylene	27.48	276	2476	0.055	ng	#	88

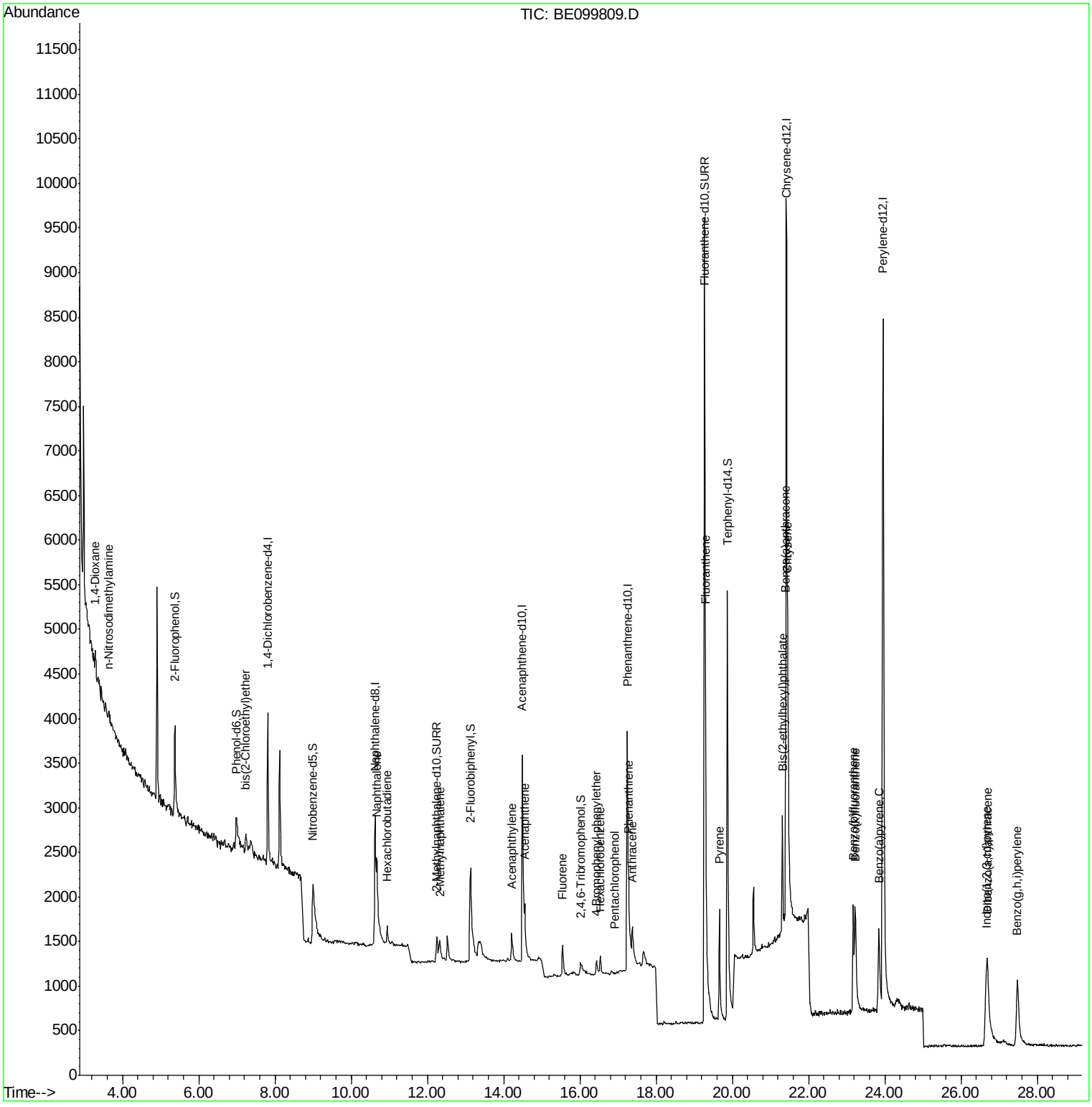
(#) = qualifier out of range (m) = manual integration (+) = signals summed

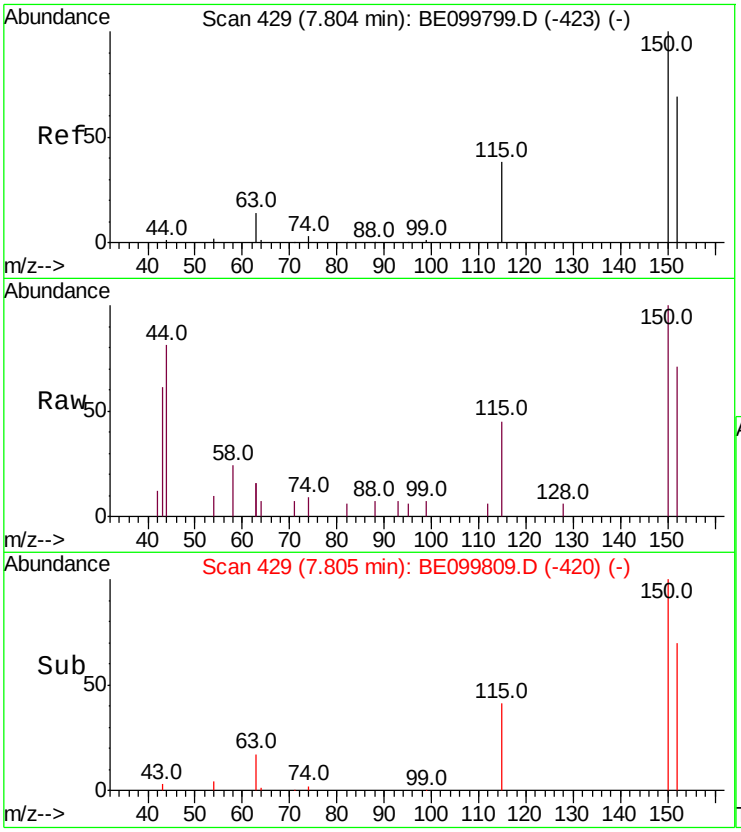
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\
Data File : BE099809.D
Acq On : 5 Jun 2019 18:24
Operator : JU/SJ
Sample : K2241-01
Misc : LOD-SIM-0.1PPM
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Quant Time: Jun 06 01:40:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration



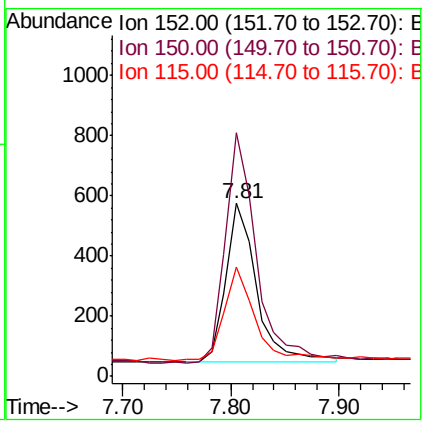


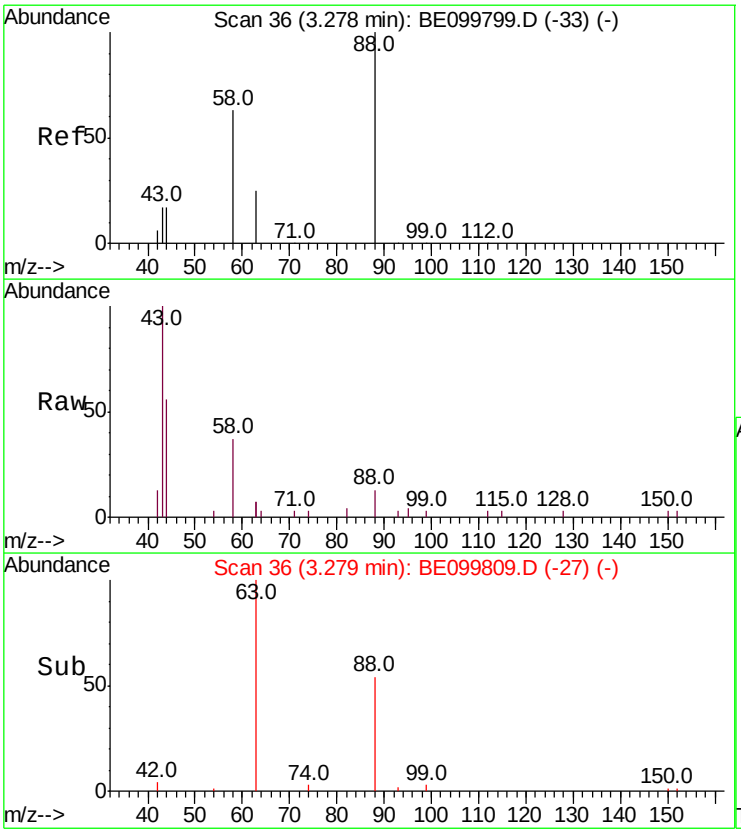
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:152 Resp: 1040

Ion	Ratio	Lower	Upper
152	100		
150	140.7	112.8	169.2
115	63.5	47.6	71.4

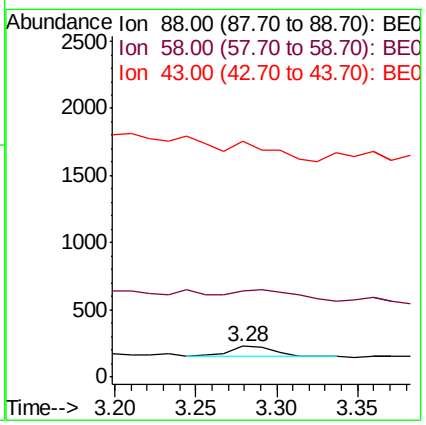


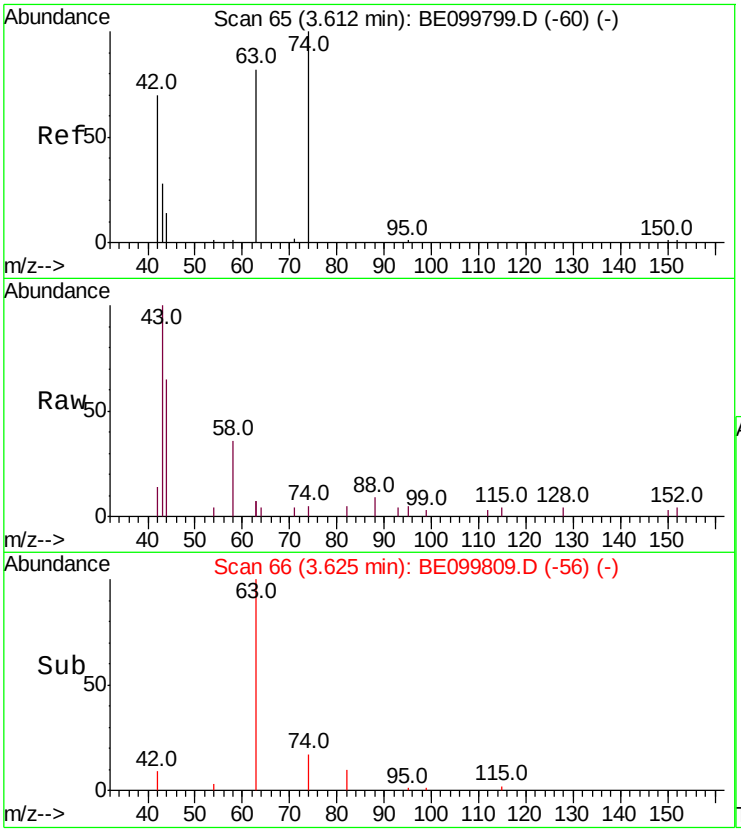


#2
1,4-Dioxane
Concen: 0.101 ng
RT: 3.28 min Scan# 36
Delta R.T. 0.00 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion: 88 Resp: 153

Ion	Ratio	Lower	Upper
88	100		
58	127.5	47.3	70.9#
43	0.0	18.2	27.4#



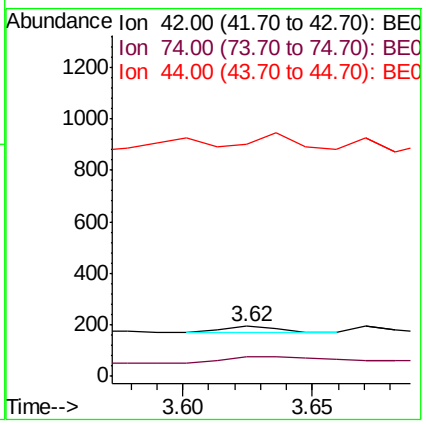


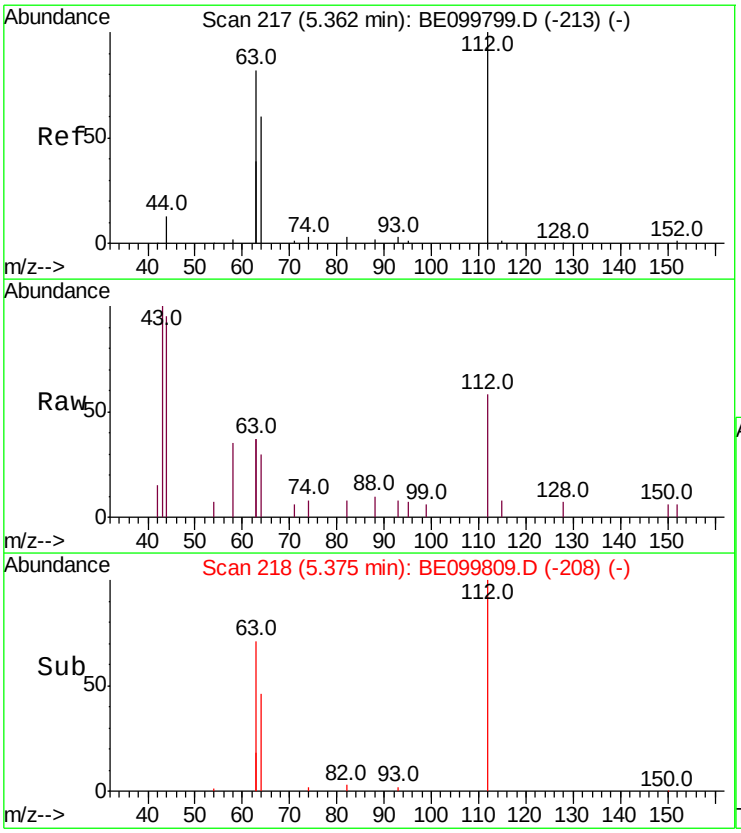
#3
n-Nitrosodimethylamine
Concen: 0.051 ng
RT: 3.62 min Scan# 66
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 42 Resp: 41

Ion	Ratio	Lower	Upper
42	100		
74	165.9	132.6	198.8
44	151.2	13.4	20.0#

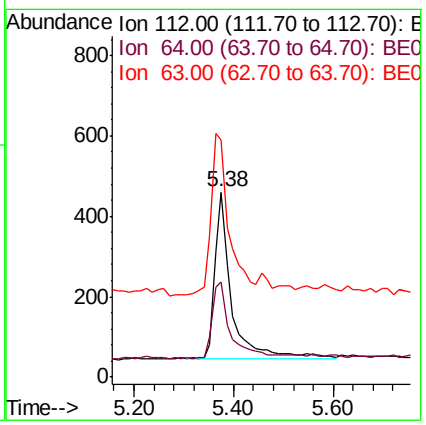


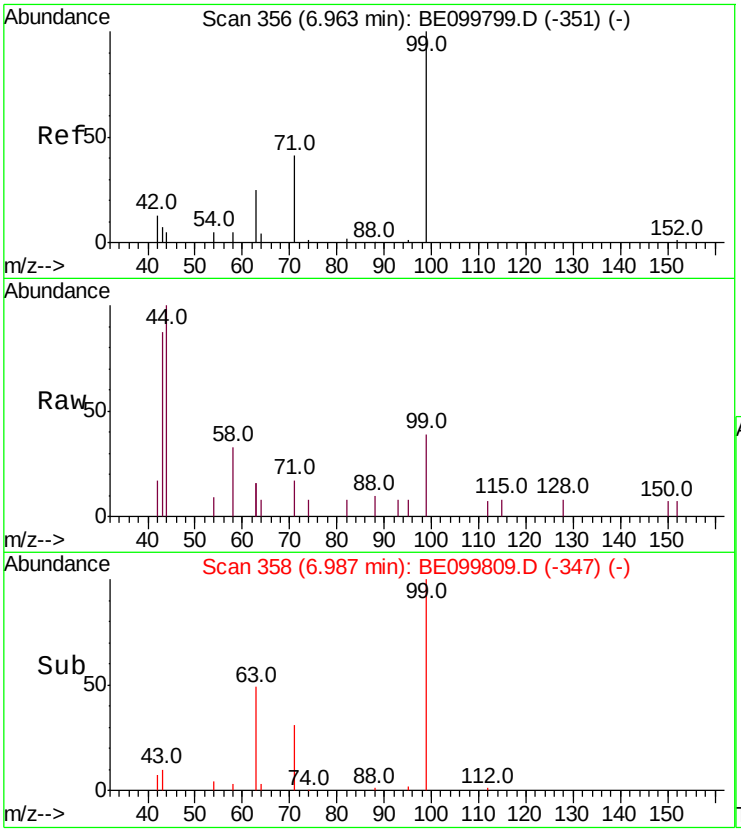


#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.38 min Scan# 218
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:112 Resp: 964

Ion	Ratio	Lower	Upper
112	100		
64	50.7	47.2	70.8
63	103.6	90.7	136.1



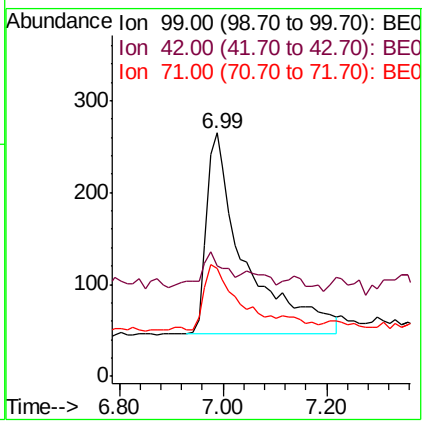


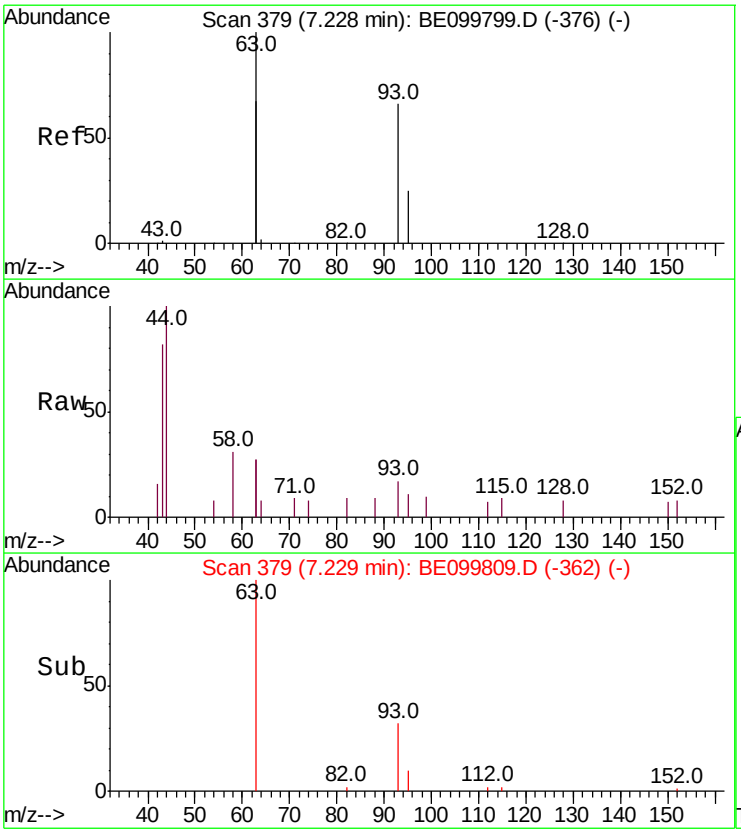
#5
Phenol-d6
Concen: 0.346 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.02 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 99 Resp: 1125

Ion	Ratio	Lower	Upper
99	100		
42	10.1	11.0	16.4#
71	29.0	26.1	39.1

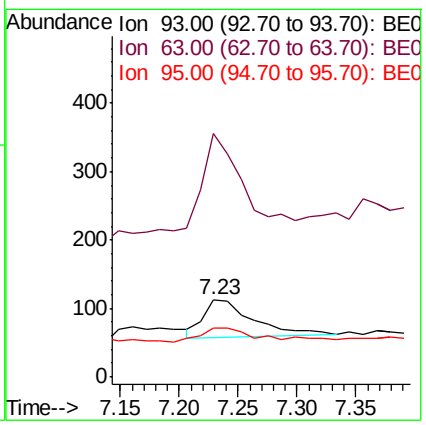


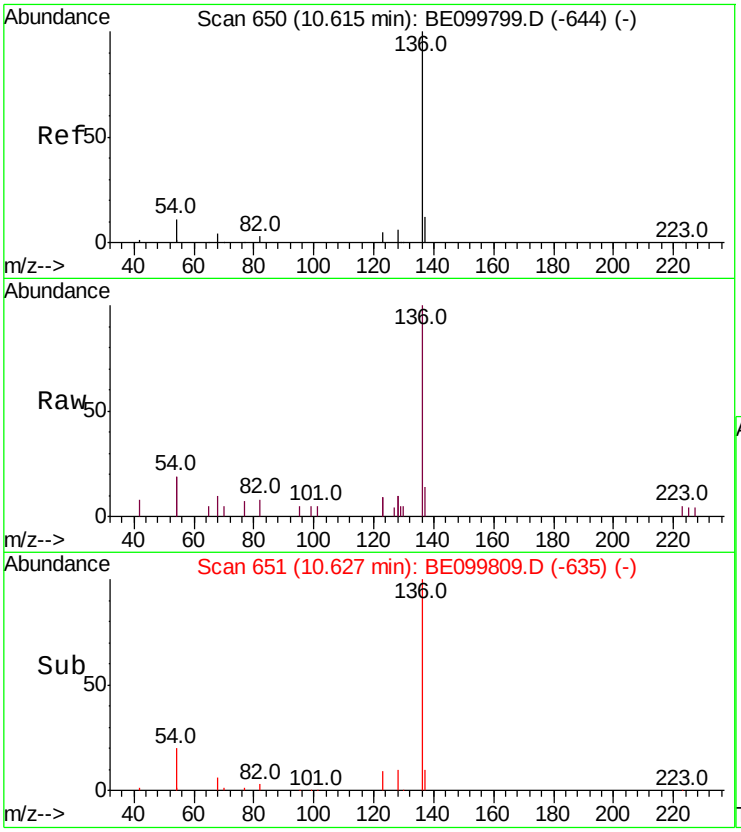


#6
bis(2-Chloroethyl)ether
Concen: 0.056 ng
RT: 7.23 min Scan# 379
Delta R.T. 0.00 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion: 93 Resp: 160

Ion	Ratio	Lower	Upper
93	100		
63	266.3	208.8	313.2
95	38.8	27.6	41.4



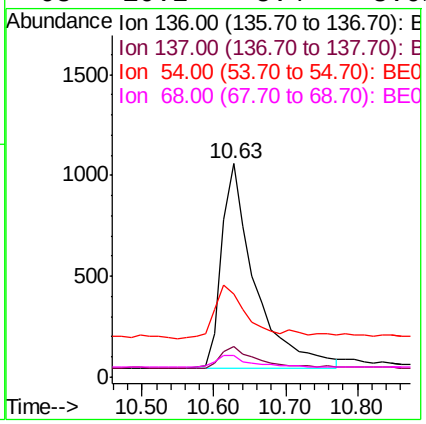


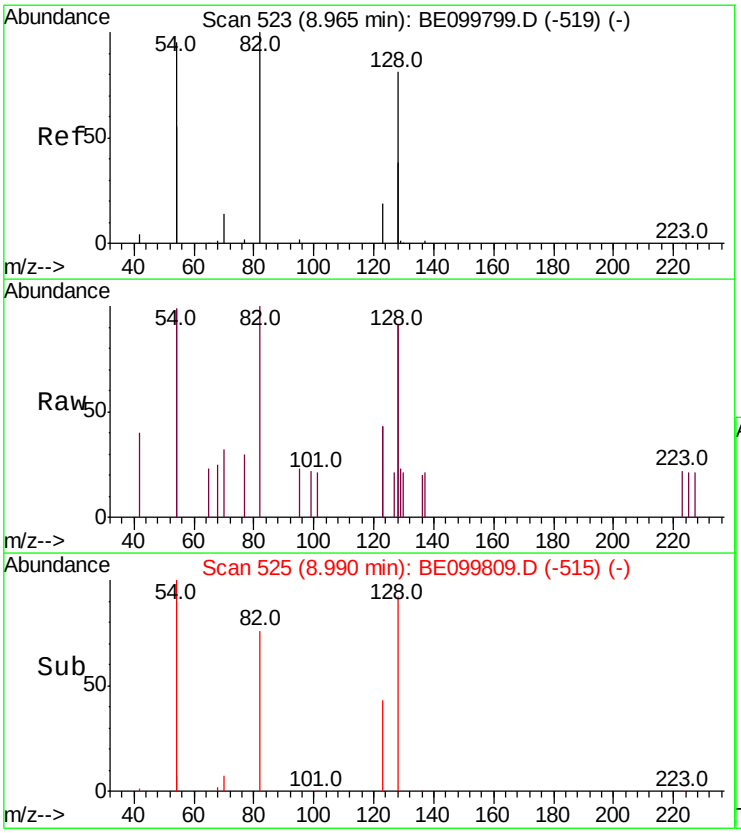
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:136 Resp: 3274

Ion	Ratio	Lower	Upper
136	100		
137	14.4	11.1	16.7
54	38.9	17.9	26.9#
68	10.2	5.4	8.0#

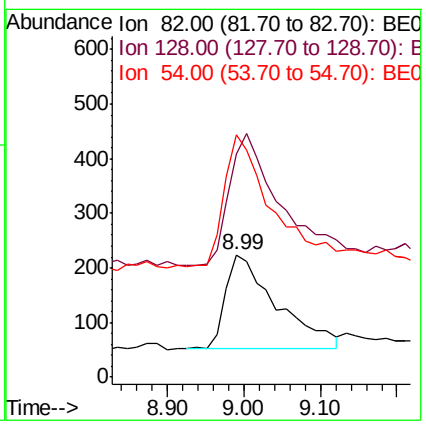


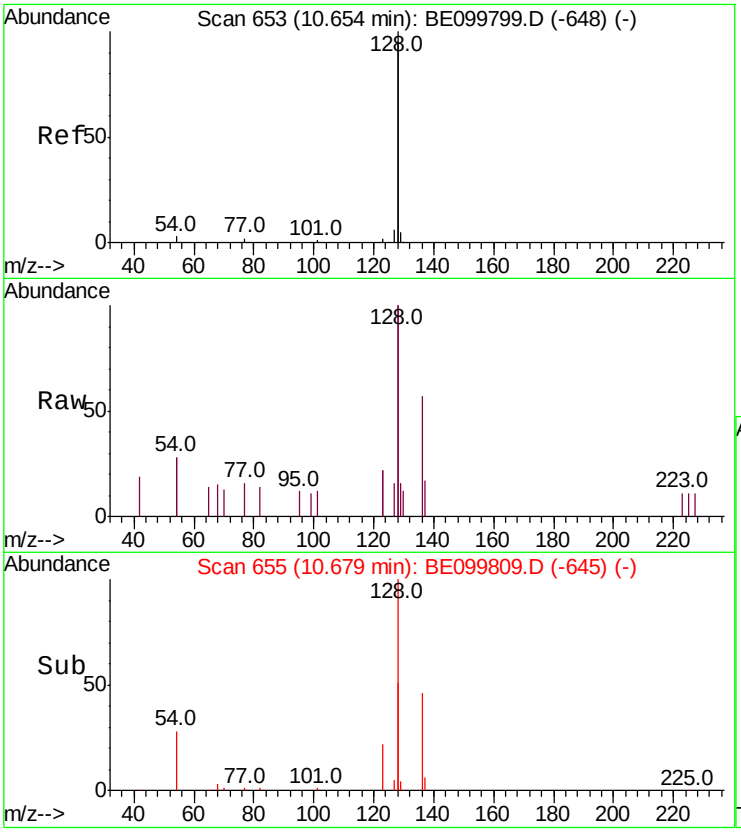


#8
Nitrobenzene-d5
Concen: 0.280 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.03 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion: 82 Resp: 806

Ion	Ratio	Lower	Upper
82	100		
128	182.1	116.6	175.0#
54	198.2	136.2	204.4



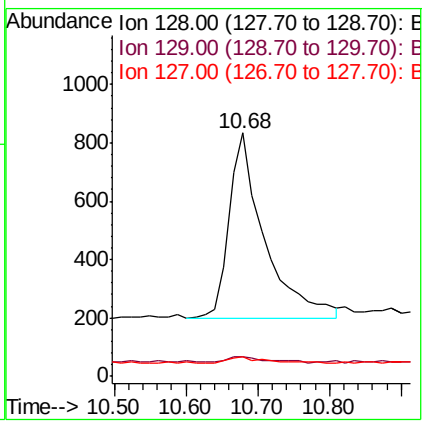


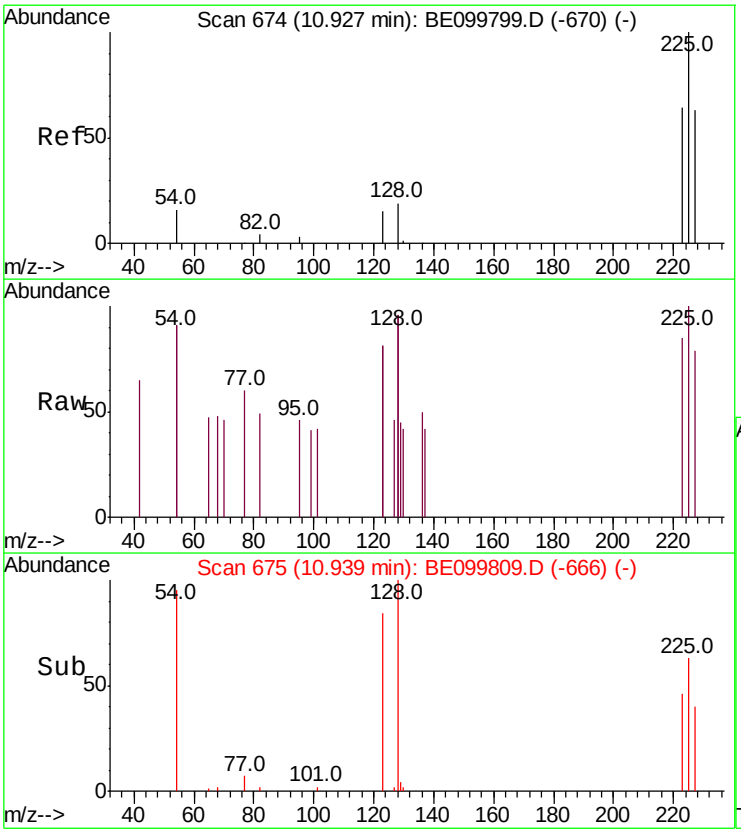
#9
Naphthalene
Concen: 0.062 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.03 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:128 Resp: 2181

Ion	Ratio	Lower	Upper
128	100		
129	8.2	2.6	4.0#
127	8.0	3.0	4.6#

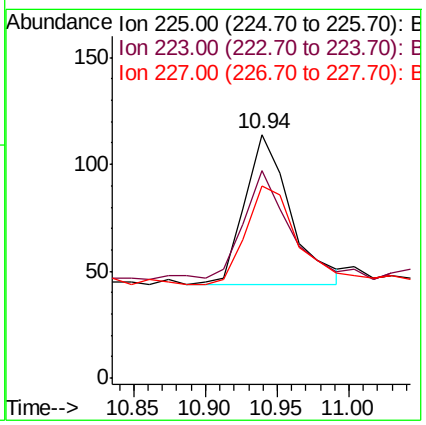


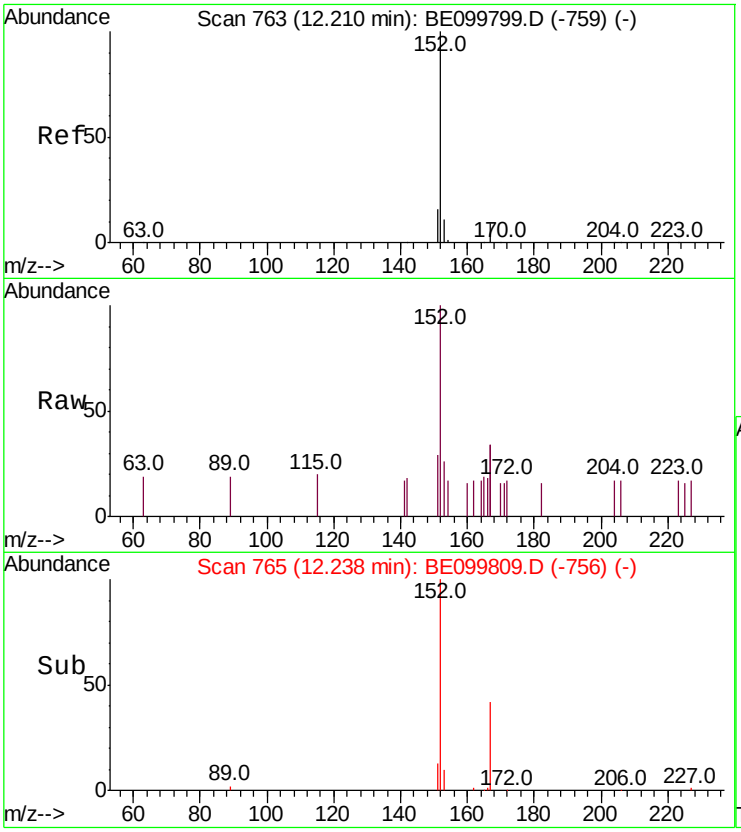


#10
Hexachlorobutadiene
Concen: 0.058 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:225 Resp: 154

Ion	Ratio	Lower	Upper
225	100		
223	75.3	48.6	72.8#
227	72.7	51.6	77.4



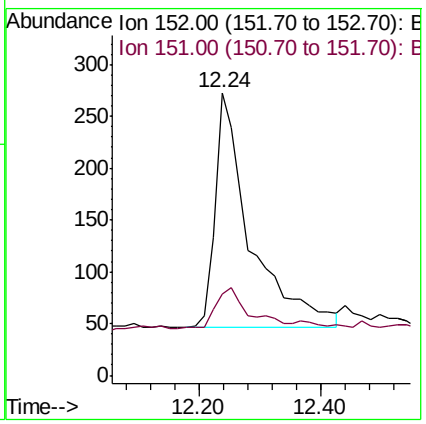


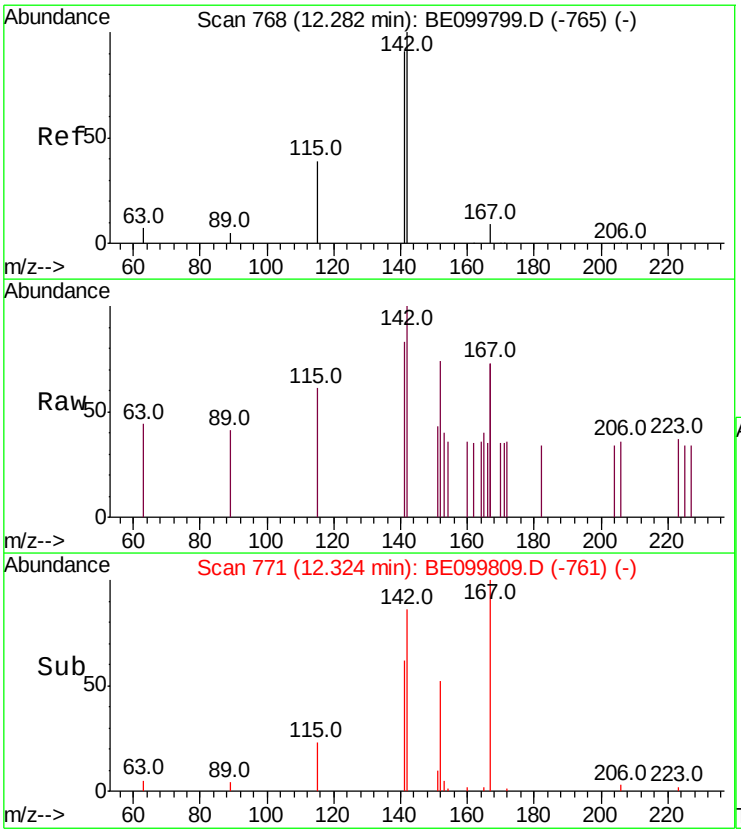
#11
2-Methylnaphthalene-d10
Concen: 0.160 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.03 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:152 Resp: 901

Ion	Ratio	Lower	Upper
152	100		
151	17.3	15.8	23.8

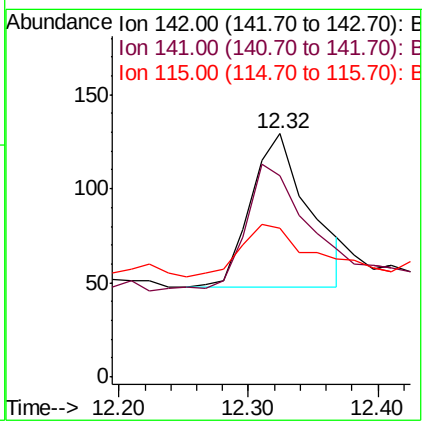


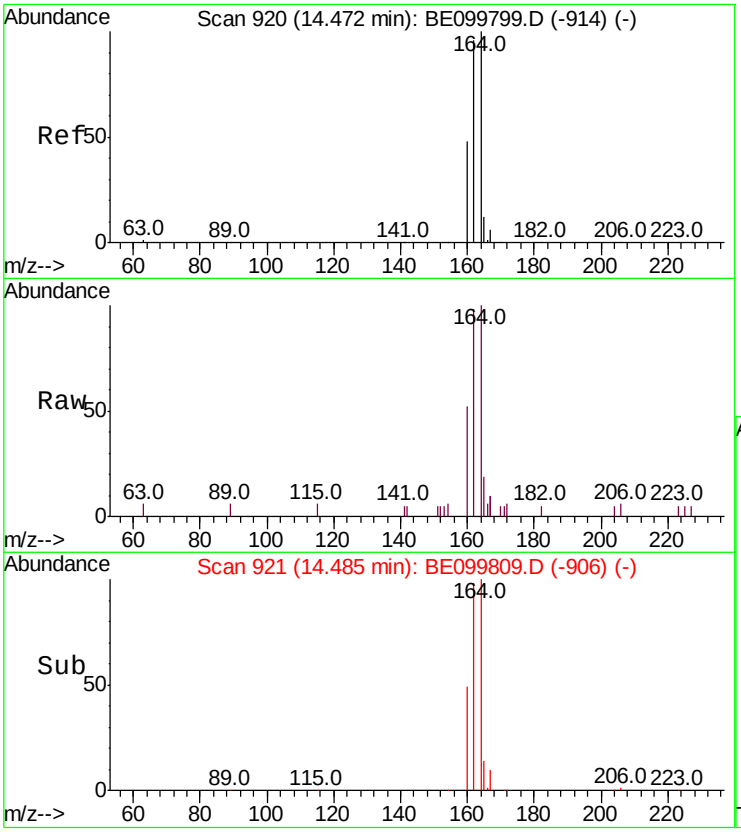


#12
2-Methylnaphthalene
Concen: 0.045 ng
RT: 12.32 min Scan# 771
Delta R.T. 0.04 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:142 Resp: 252

Ion	Ratio	Lower	Upper
142	100		
141	82.9	73.3	109.9
115	61.2	33.4	50.2#



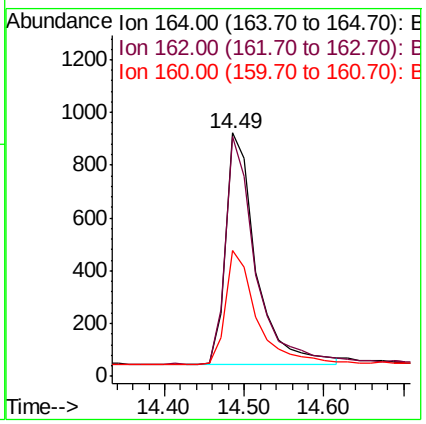


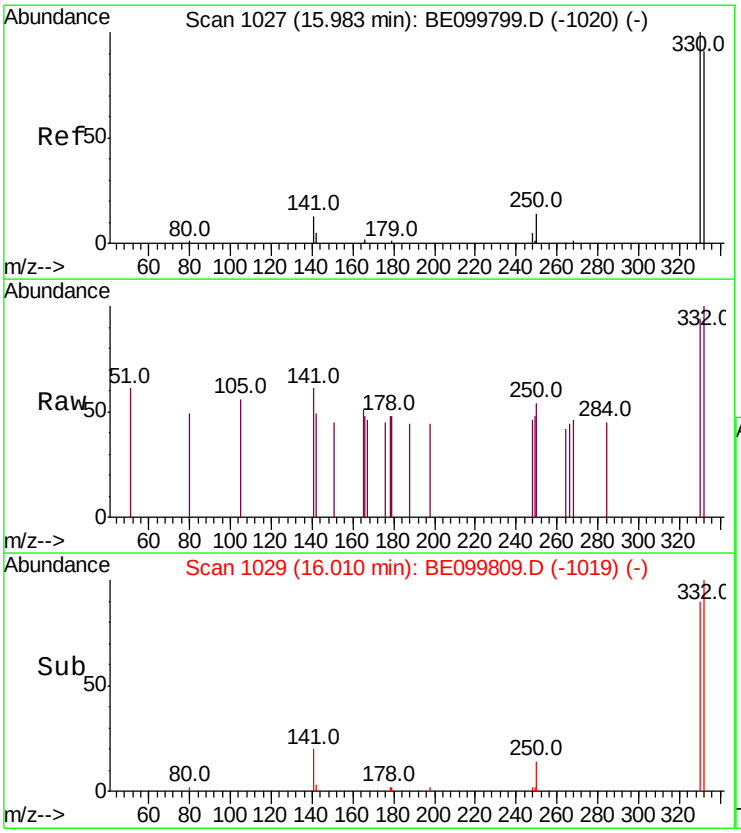
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:164 Resp: 2306

Ion	Ratio	Lower	Upper
164	100		
162	98.3	77.2	115.8
160	51.9	39.4	59.2

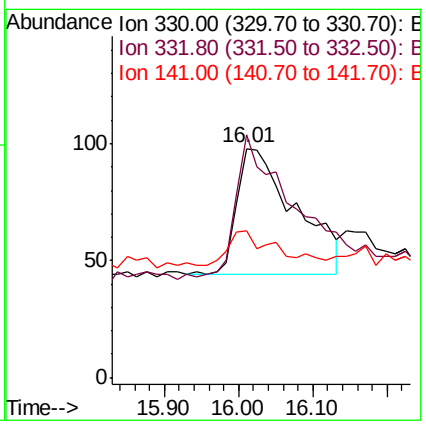


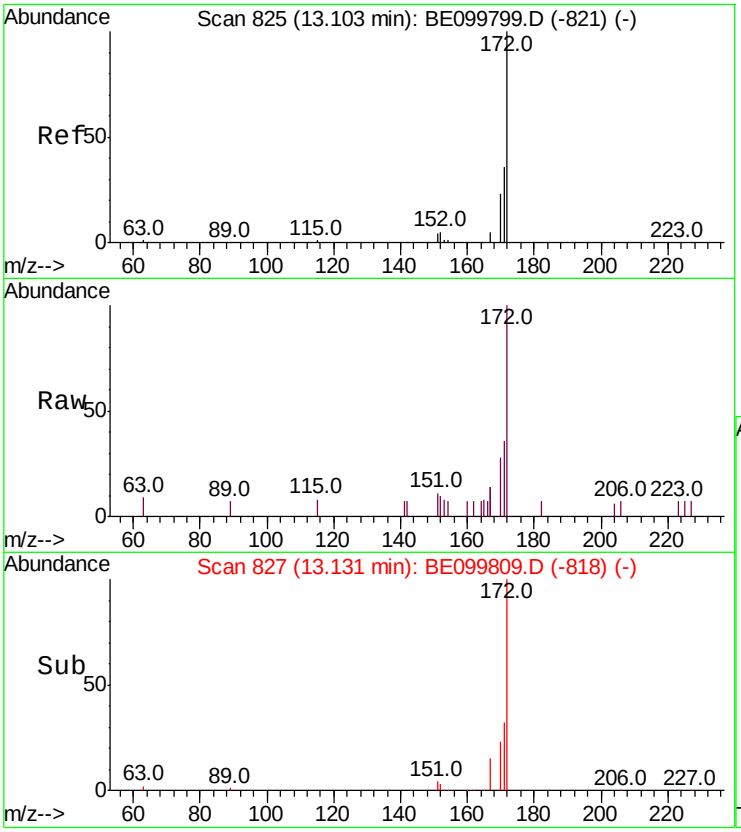


#14
2,4,6-Tribromophenol
Concen: 0.306 ng
RT: 16.01 min Scan# 1029
Delta R.T. 0.03 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:330 Resp: 296

Ion	Ratio	Lower	Upper
330	100		
332	122.0	74.9	112.3#
141	18.9	16.0	24.0



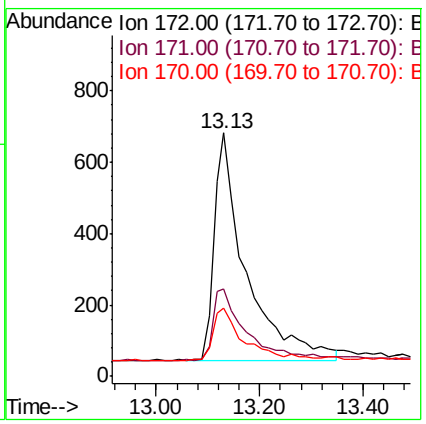


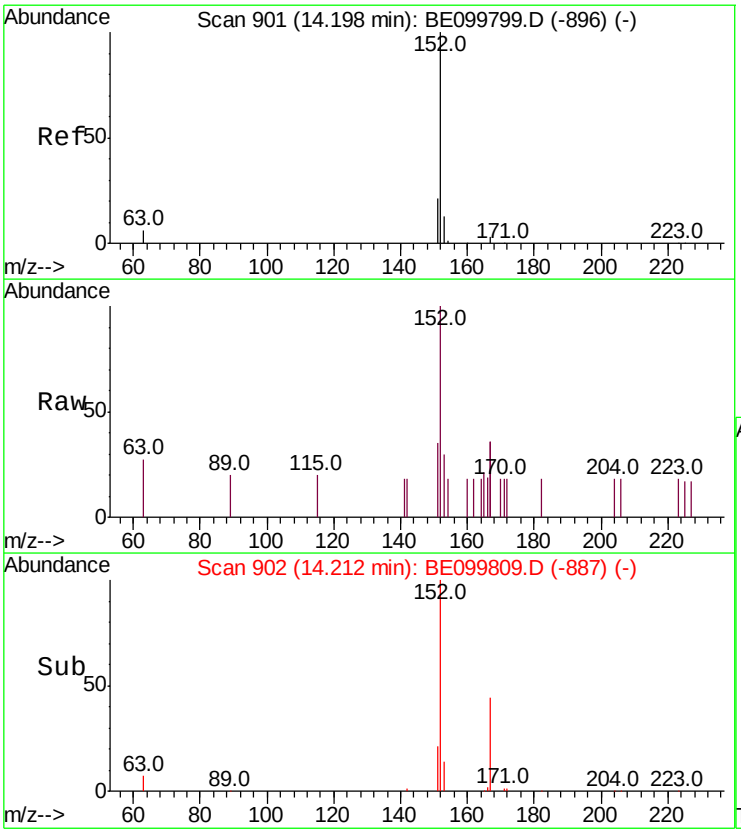
#15
2-Fluorobiphenyl
Concen: 0.316 ng
RT: 13.13 min Scan# 827
Delta R.T. 0.03 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:172 Resp: 2708

Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.2	45.4
170	28.3	20.1	30.1

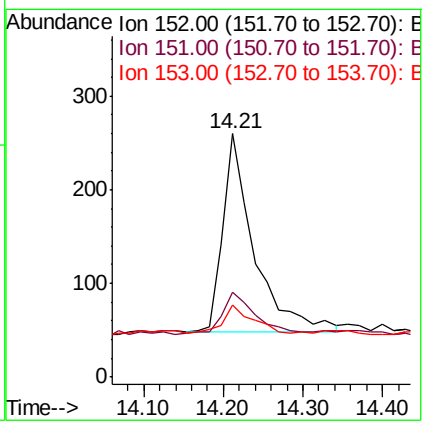


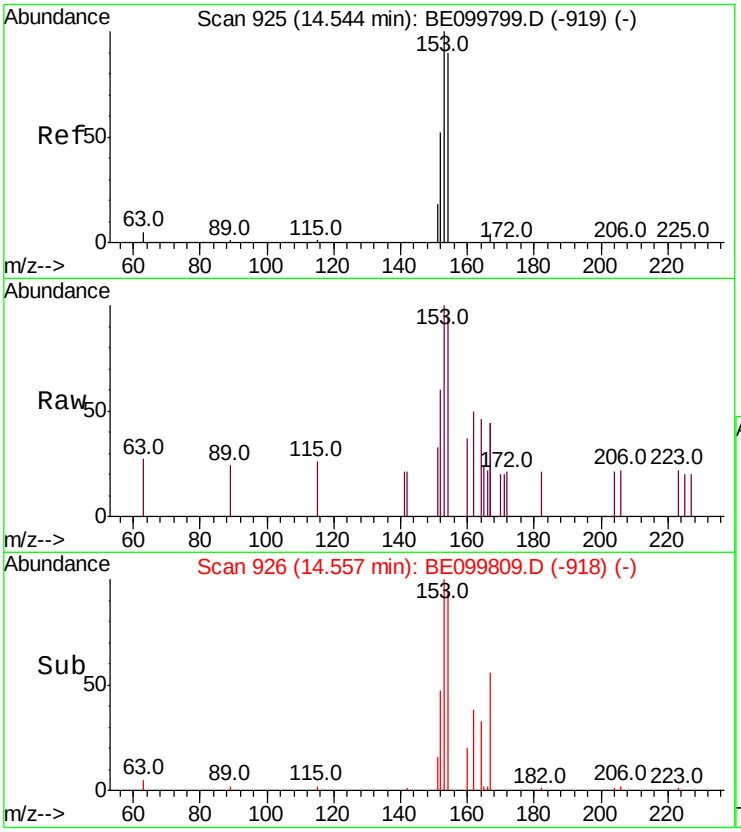


#16
Acenaphthylene
Concen: 0.052 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:152 Resp: 574

Ion	Ratio	Lower	Upper
152	100		
151	22.0	15.9	23.9
153	12.7	10.8	16.2



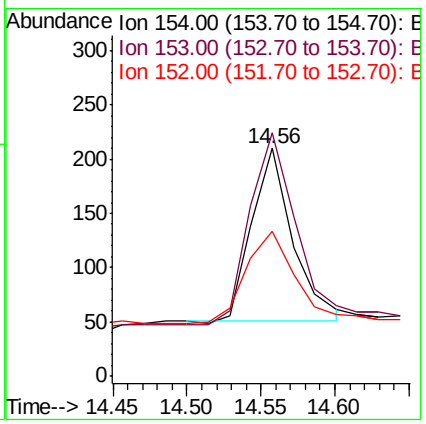


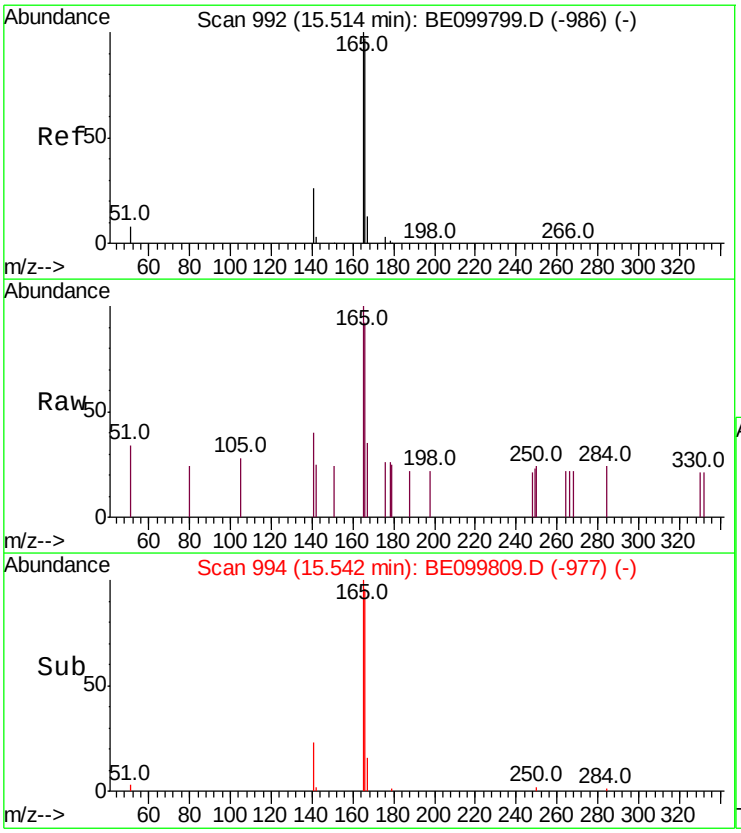
#17
Acenaphthene
Concen: 0.050 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:154 Resp: 303

Ion	Ratio	Lower	Upper
154	100		
153	128.7	93.8	140.6
152	66.7	48.3	72.5

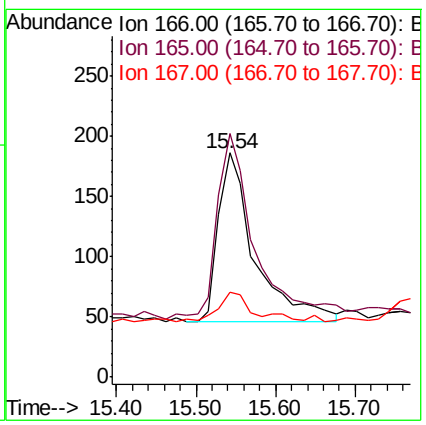


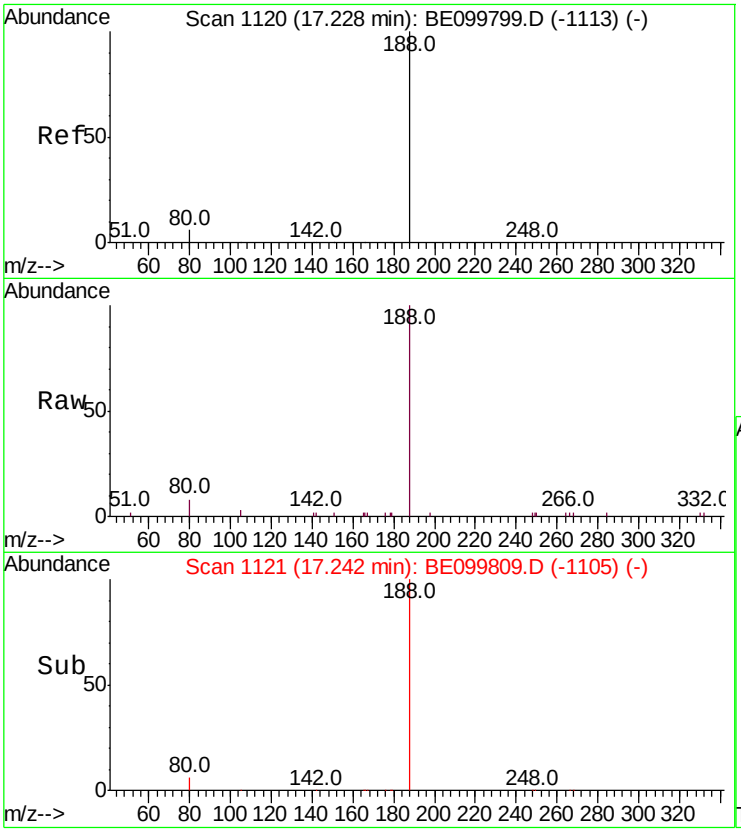


#18
Fluorene
Concen: 0.050 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.03 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:166 Resp: 448

Ion	Ratio	Lower	Upper
166	100		
165	114.3	80.4	120.6
167	17.0	10.7	16.1#



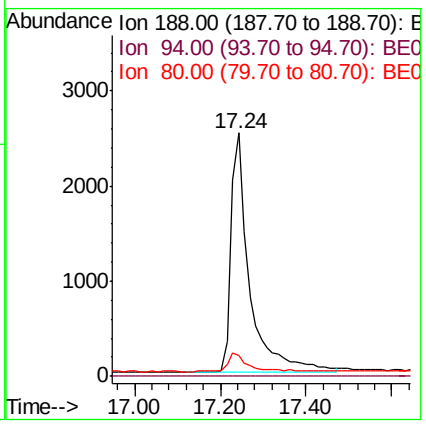


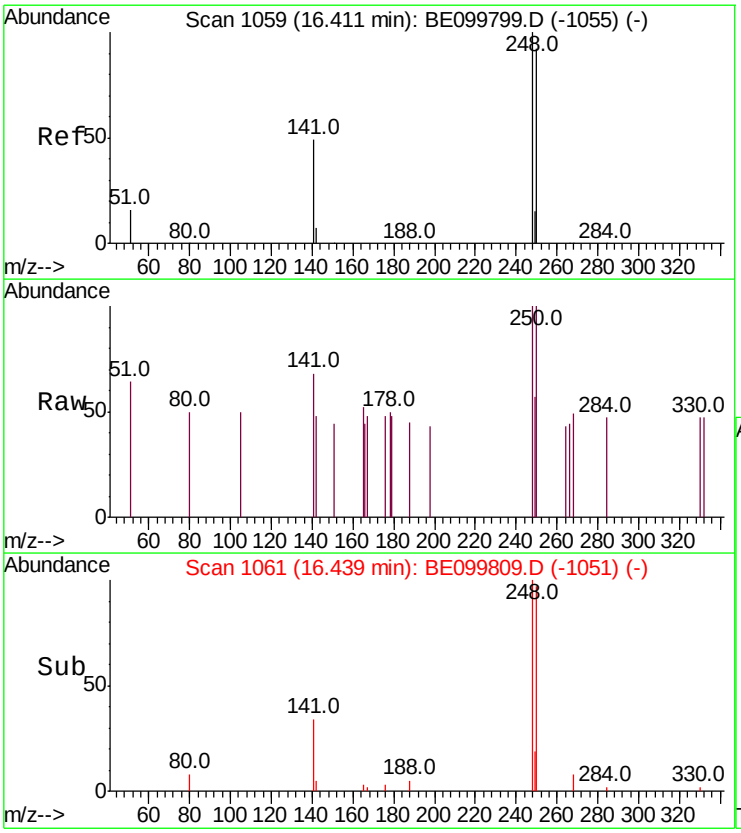
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:188 Resp: 7558

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	5.2	7.8#

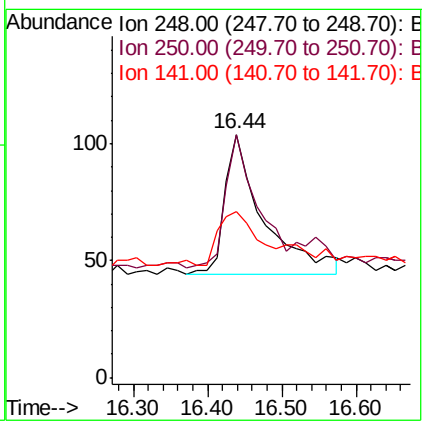


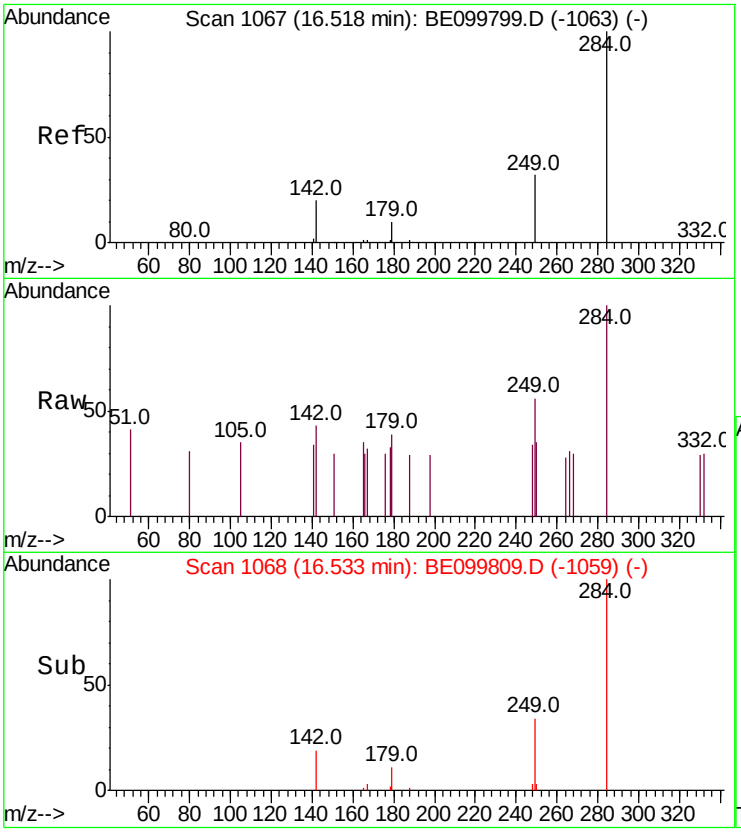


#20
4-Bromophenyl-phenylether
Concen: 0.052 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.03 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:248 Resp: 218

Ion	Ratio	Lower	Upper
248	100		
250	100.0	73.7	110.5
141	68.3	40.9	61.3#



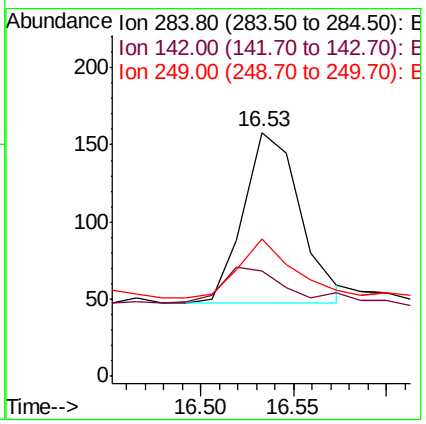


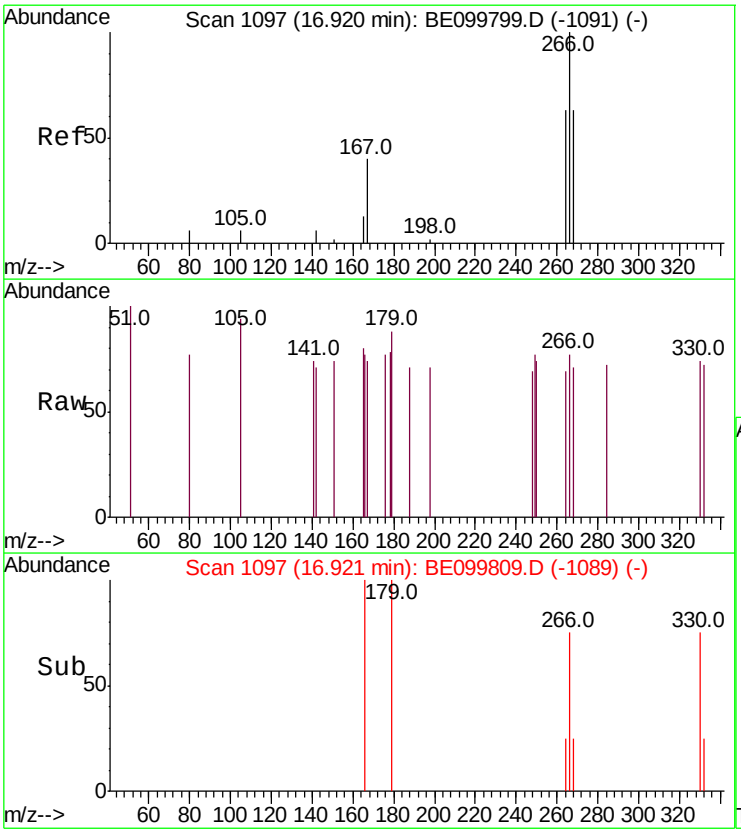
#21
Hexachlorobenzene
Concen: 0.052 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:284 Resp: 239

Ion	Ratio	Lower	Upper
284	100		
142	21.8	16.2	24.4
249	31.8	23.1	34.7

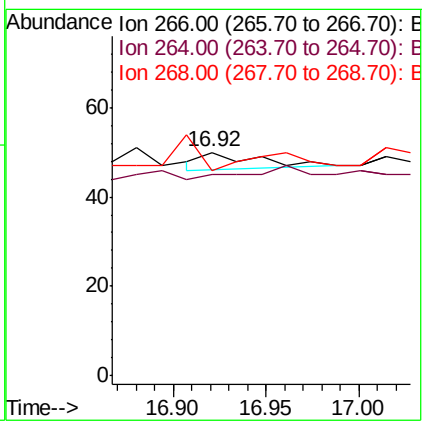


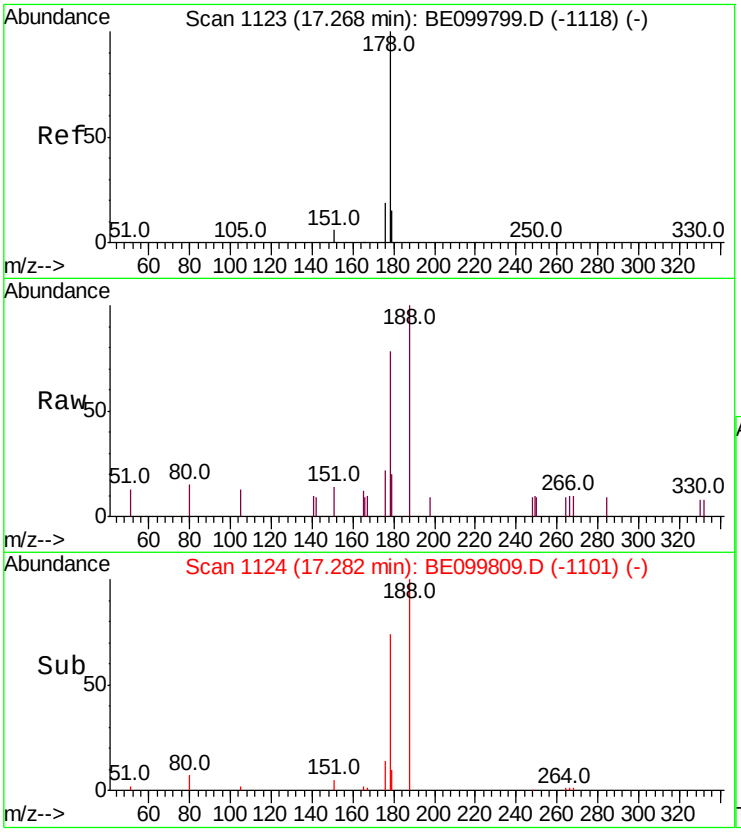


#22
Pentachlorophenol
Concen: 0.285 ng
RT: 16.92 min Scan# 1097
Delta R.T. 0.00 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:266 Resp: 8

Ion	Ratio	Lower	Upper
266	100		
264	90.0	64.9	97.3
268	92.0	64.0	96.0



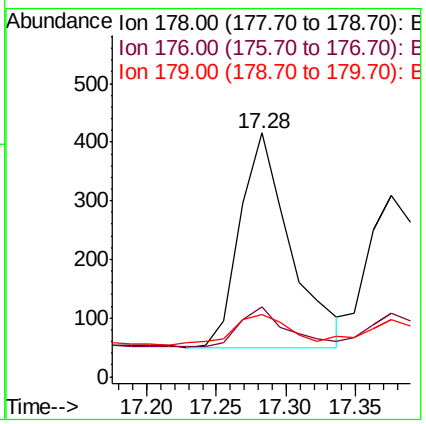


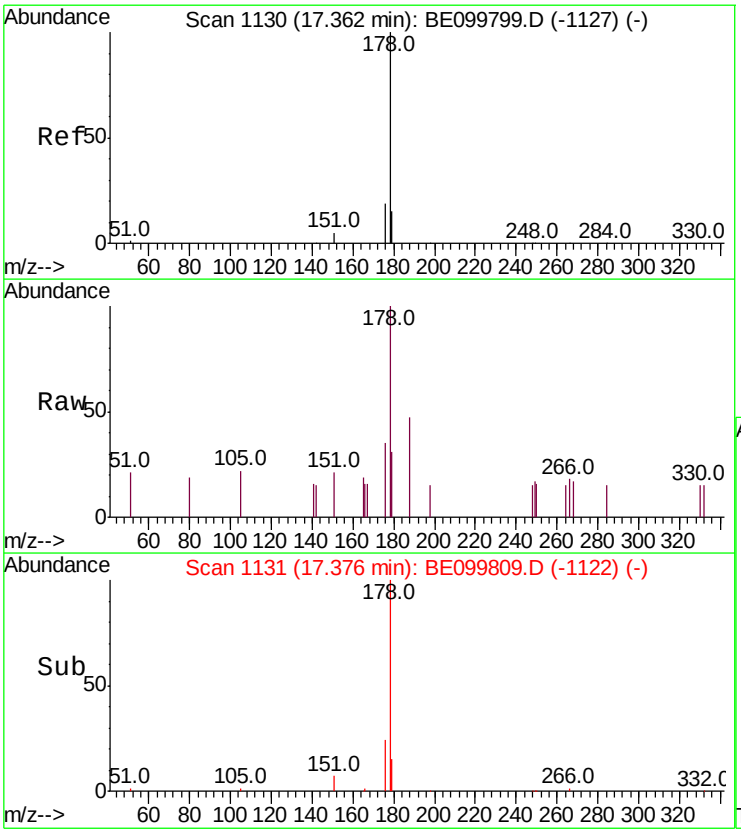
#23
Phenanthrene
Concen: 0.051 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:178 Resp: 923

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.0
179	15.5	12.5	18.7

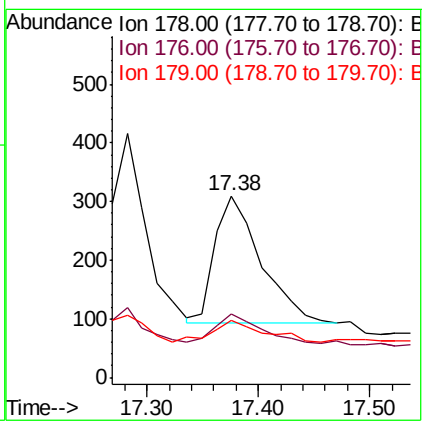


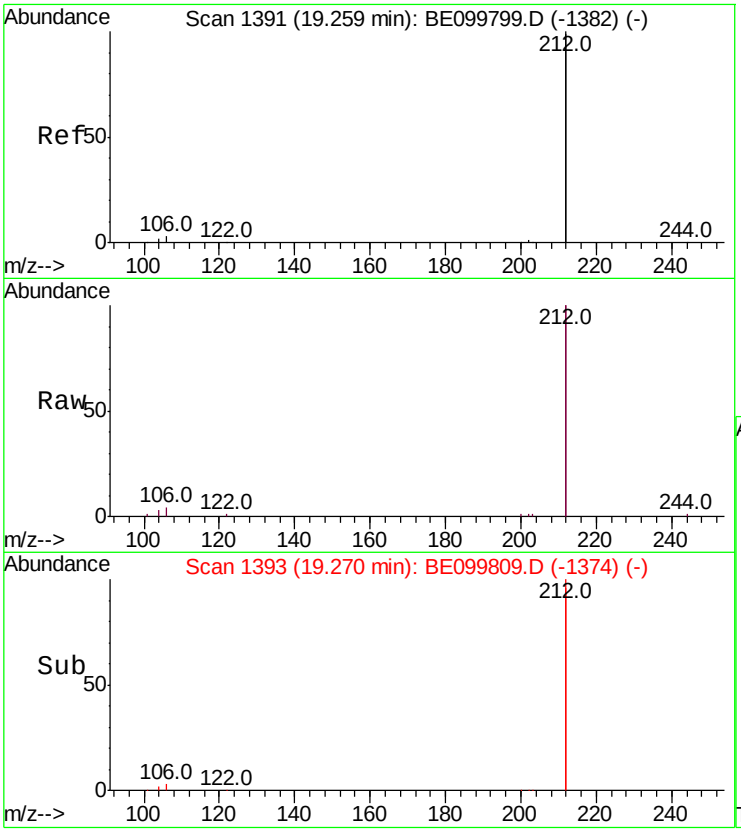


#24
Anthracene
Concen: 0.038 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:178 Resp: 625

Ion	Ratio	Lower	Upper
178	100		
176	23.7	15.1	22.7#
179	19.4	12.1	18.1#



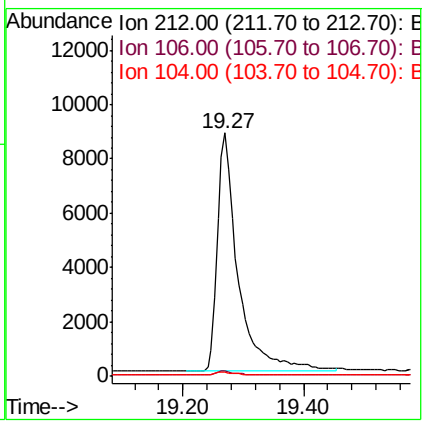


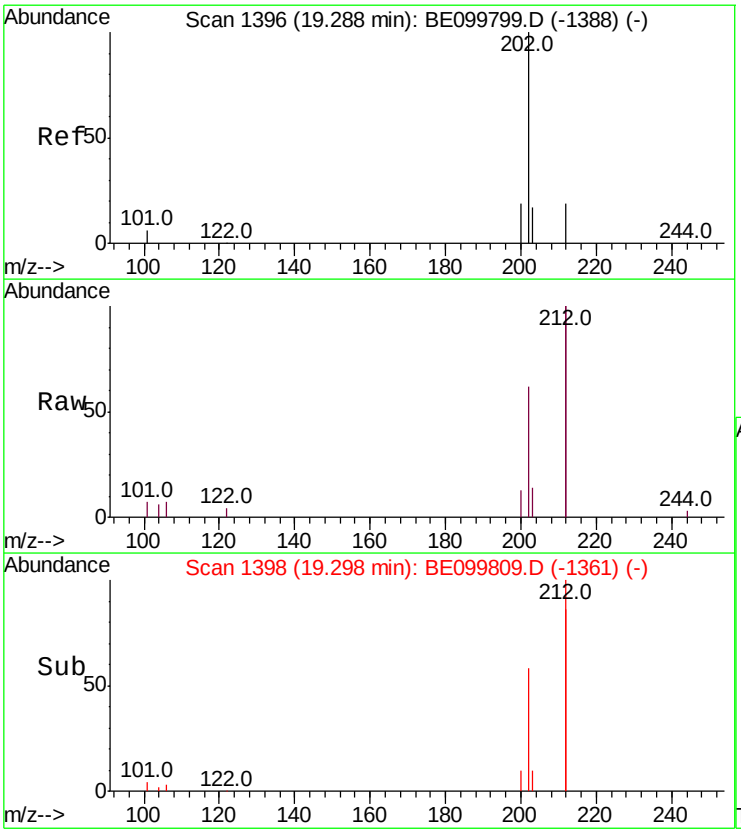
#25
Fluoranthene-d10
Concen: 0.188 ng
RT: 19.27 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:212 Resp: 21082

Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.4	2.0
104	1.0	0.8	1.2

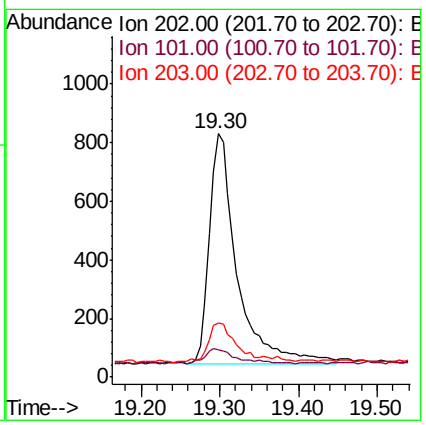


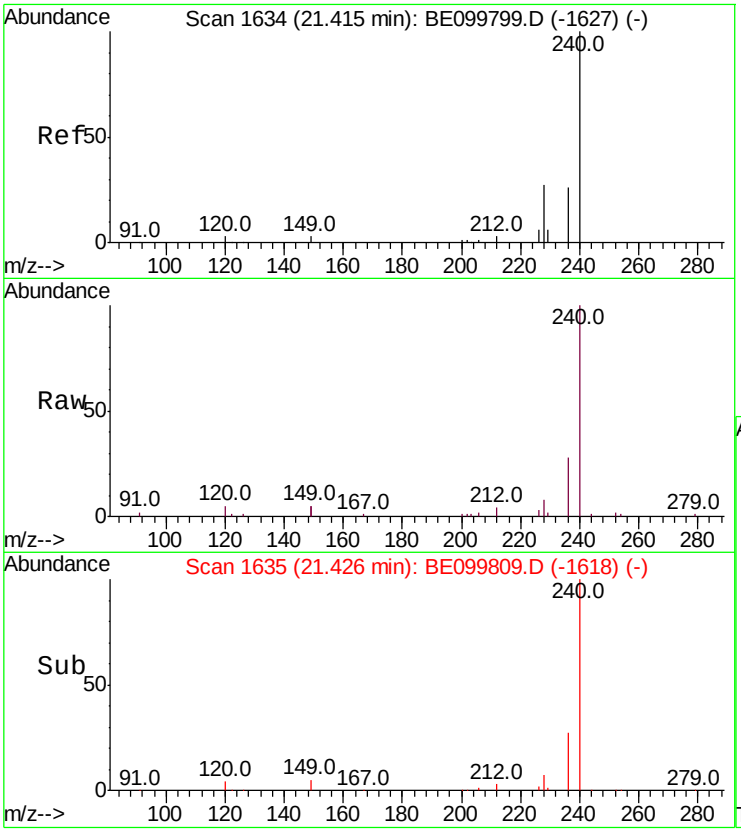


#26
Fluoranthene
Concen: 0.060 ng
RT: 19.30 min Scan# 1398
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:202 Resp: 1894

Ion	Ratio	Lower	Upper
202	100		
101	7.0	5.2	7.8
203	16.5	13.6	20.4



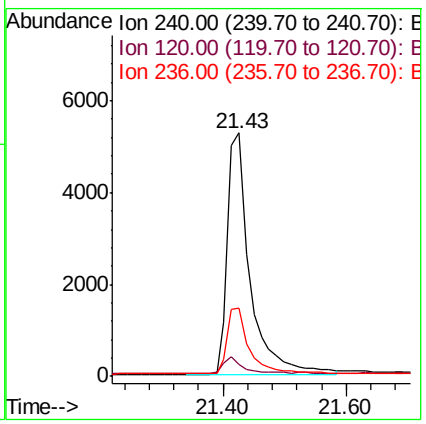


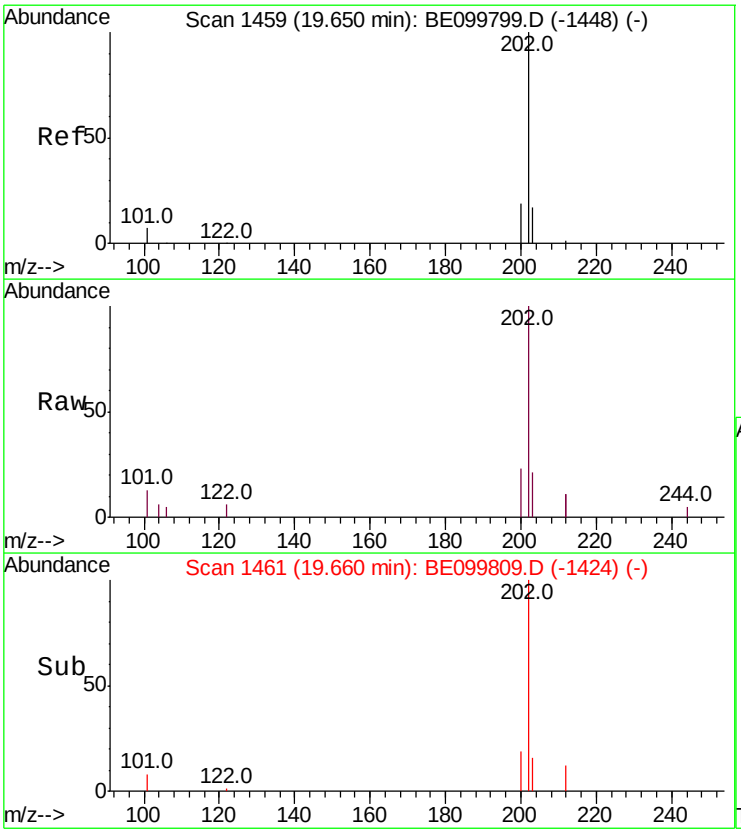
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:240 Resp: 13239

Ion	Ratio	Lower	Upper
240	100		
120	4.8	2.8	4.2#
236	27.8	20.9	31.3

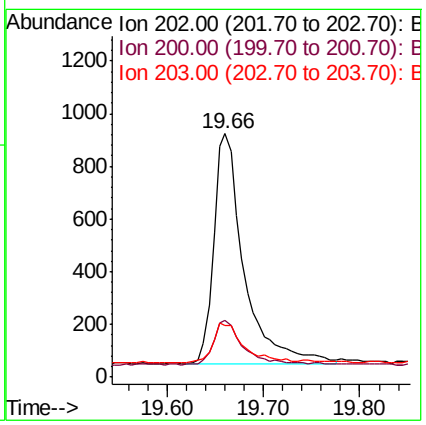


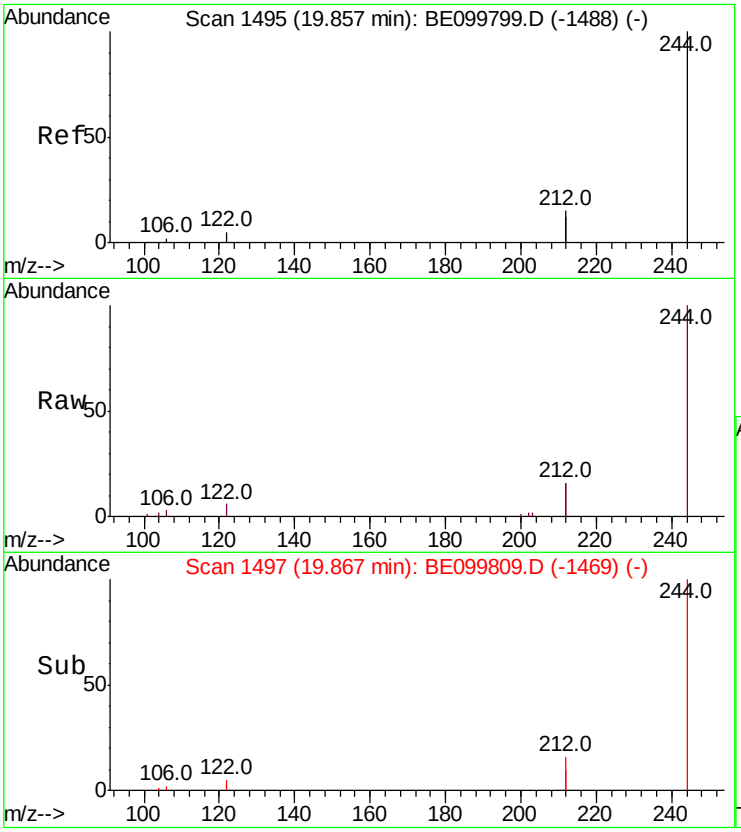


#28
Pyrene
Concen: 0.060 ng
RT: 19.66 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:202 Resp: 1915

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.6	23.4
203	17.1	14.1	21.1



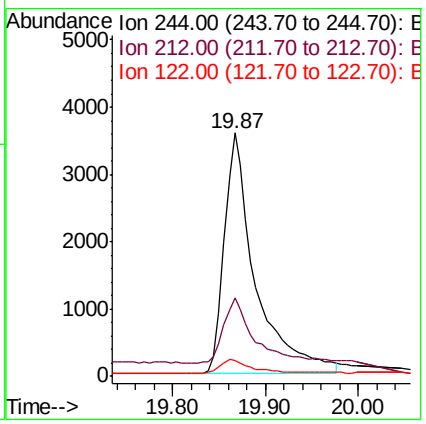


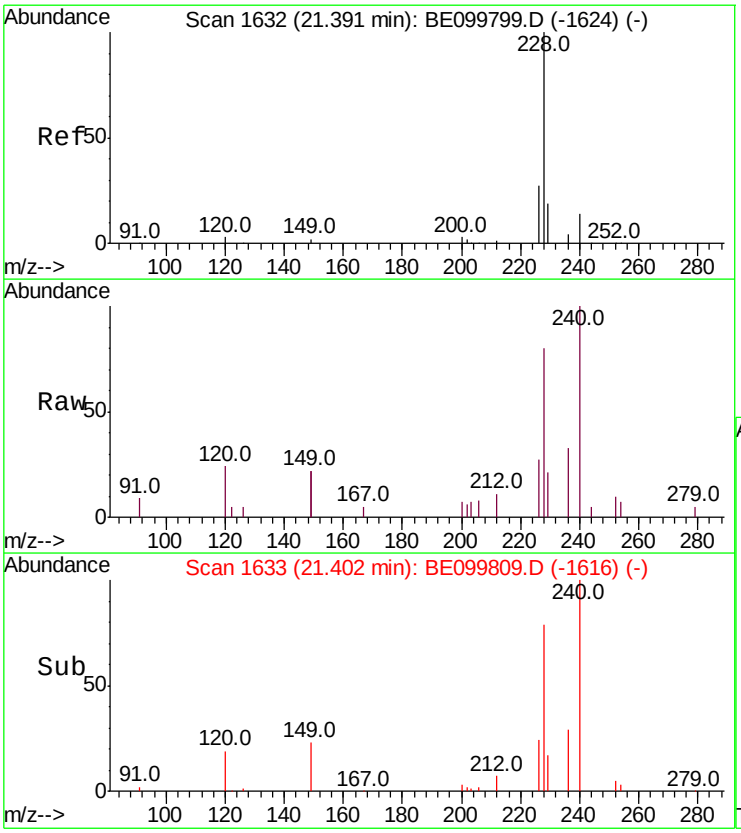
#29
Terphenyl-d14
Concen: 0.381 ng
RT: 19.87 min Scan# 1497
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:244 Resp: 8273

Ion	Ratio	Lower	Upper
244	100		
212	32.2	23.7	35.5
122	6.4	4.8	7.2

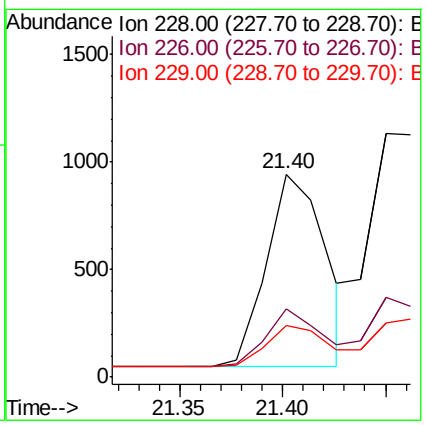


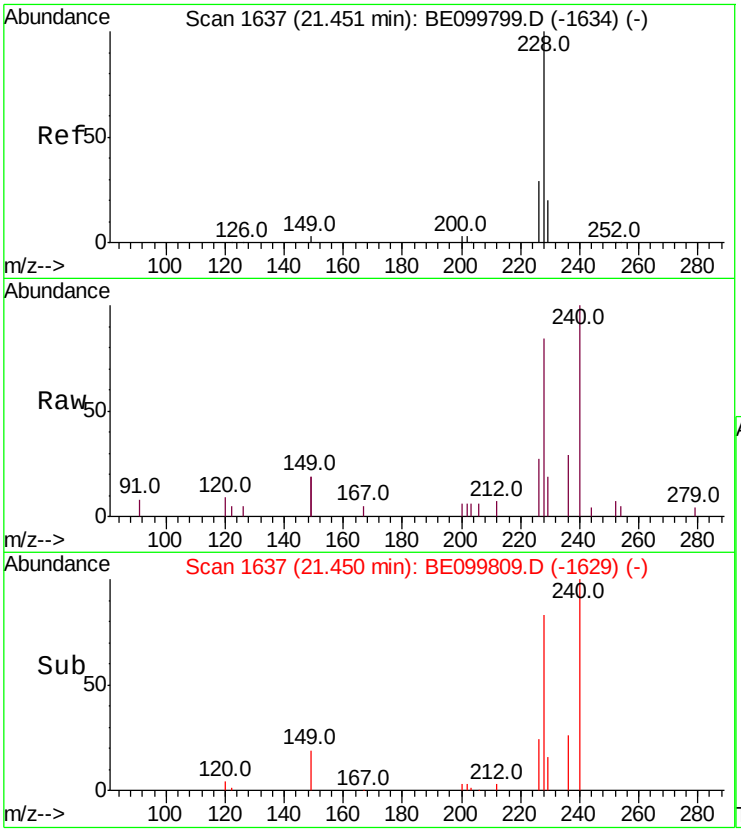


#30
Benzo(a)anthracene
Concen: 0.049 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:228 Resp: 1796

Ion	Ratio	Lower	Upper
228	100		
226	33.9	21.6	32.4#
229	25.6	15.8	23.6#



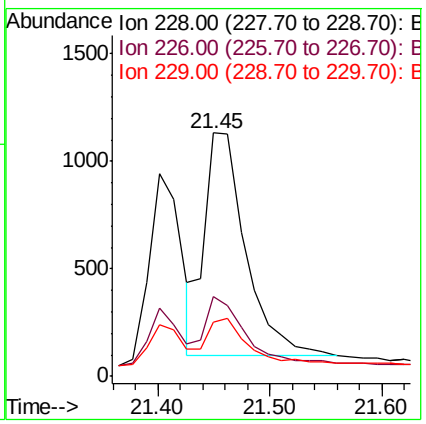


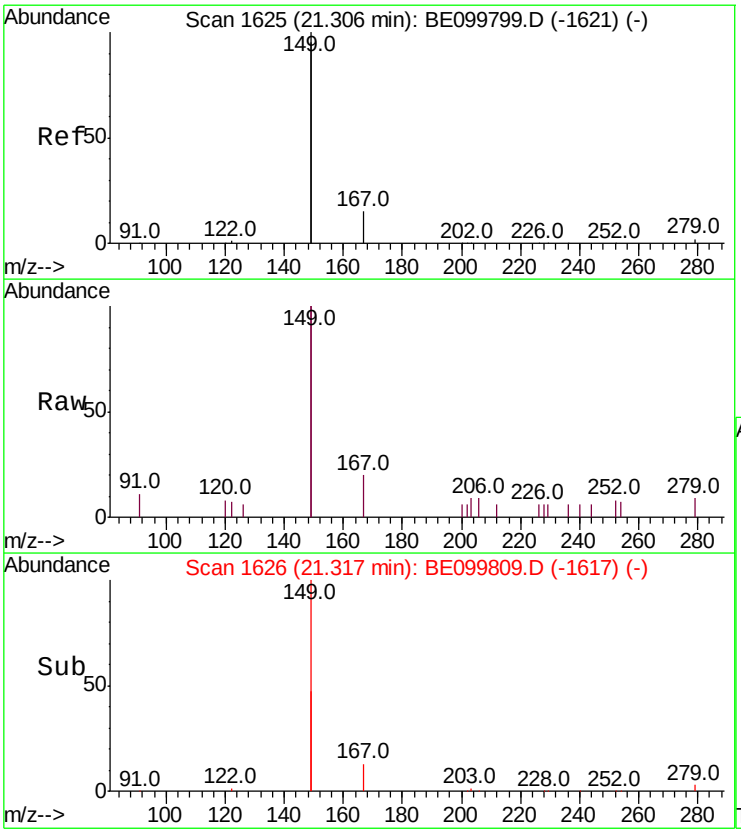
#31
Chrysene
Concen: 0.065 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:228 Resp: 2619

Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.9	34.3
229	22.5	16.4	24.6

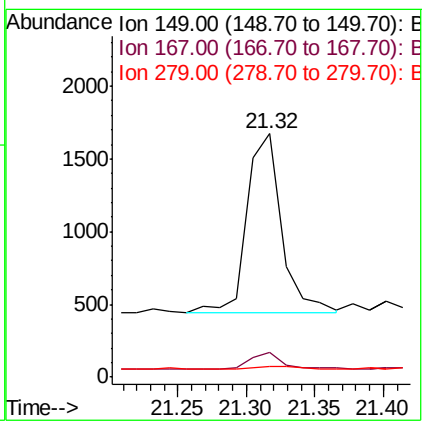


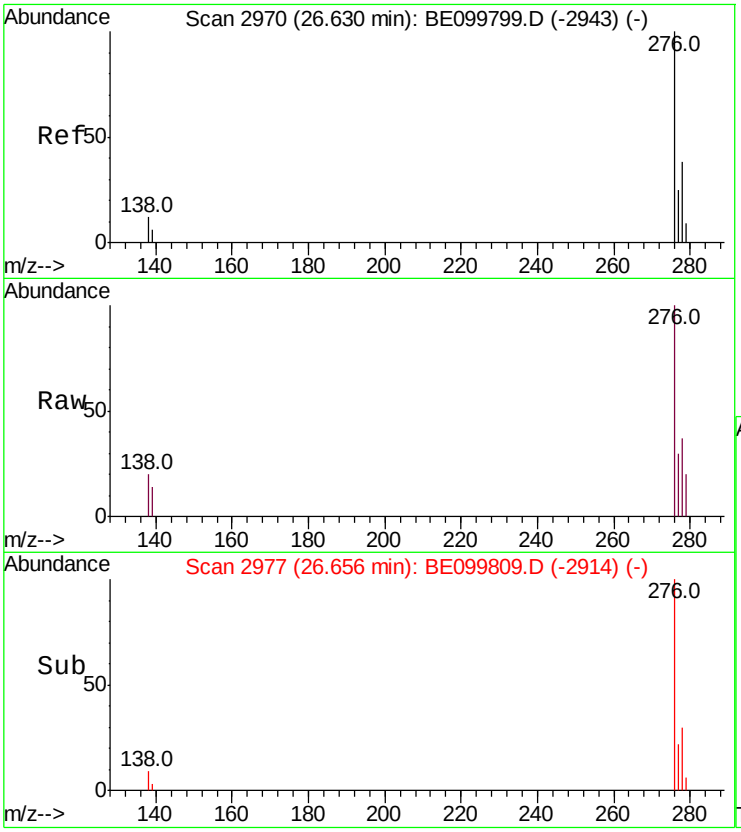


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.051 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:149 Resp: 2143

Ion	Ratio	Lower	Upper
149	100		
167	8.5	6.0	9.0
279	2.3	1.2	1.8#



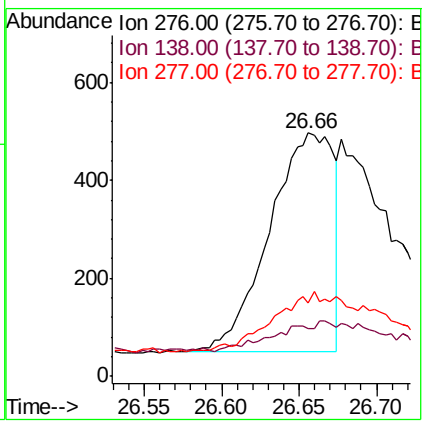


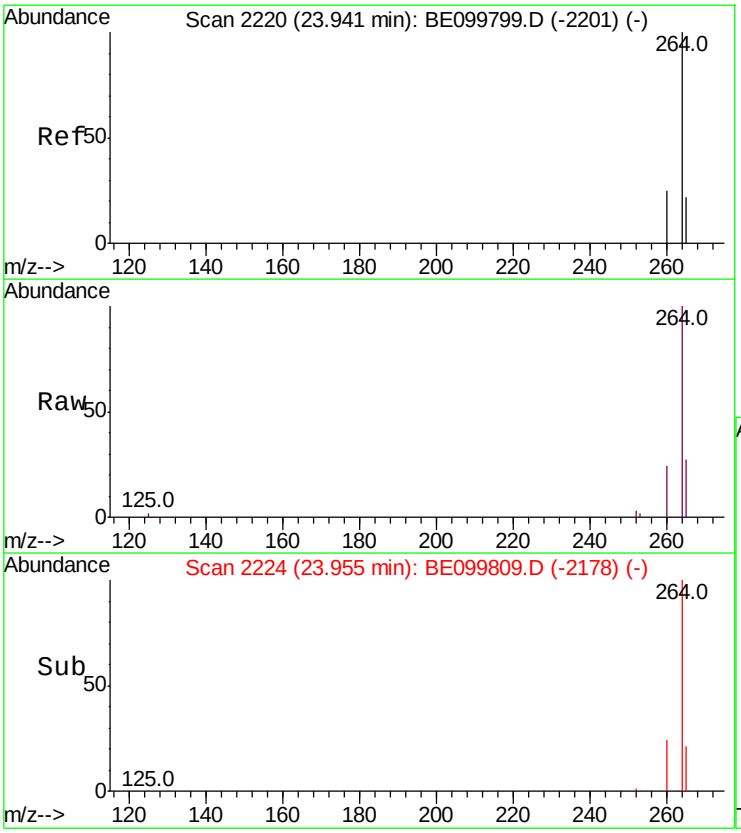
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.026 ng
RT: 26.66 min Scan# 2977
Delta R.T. 0.03 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:276 Resp: 1280

Ion	Ratio	Lower	Upper
276	100		
138	7.9	10.3	15.5#
277	15.5	19.4	29.2#

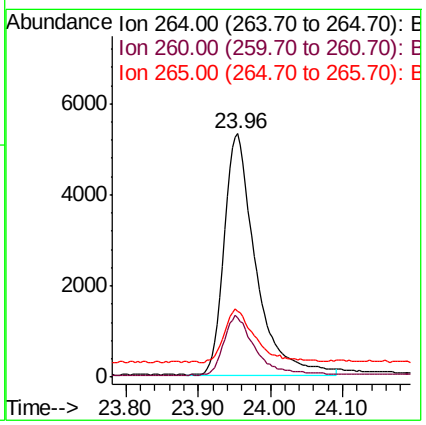


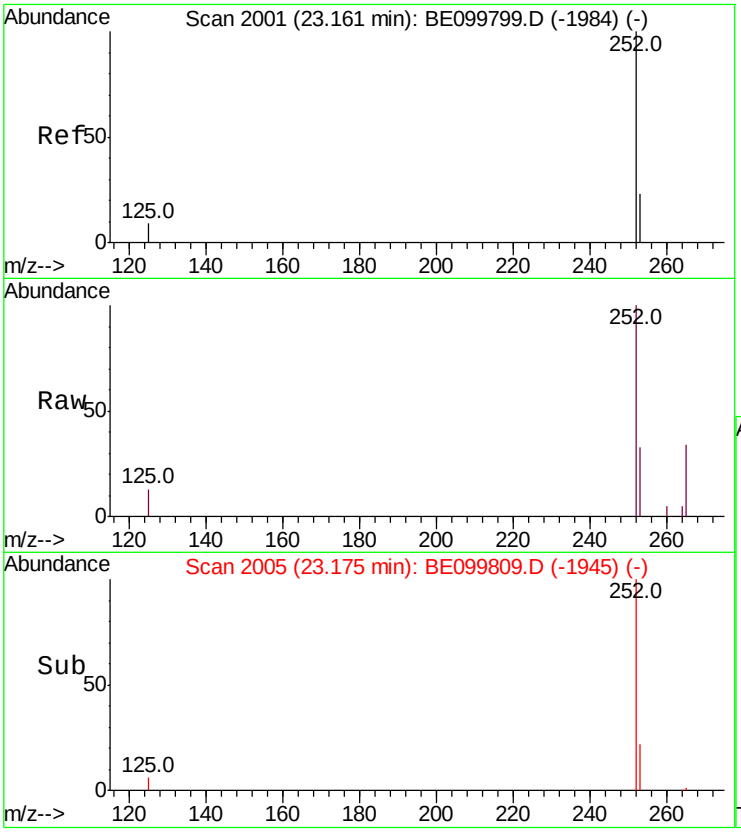


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2224
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:264 Resp: 15767

Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.0	30.0
265	27.2	20.7	31.1



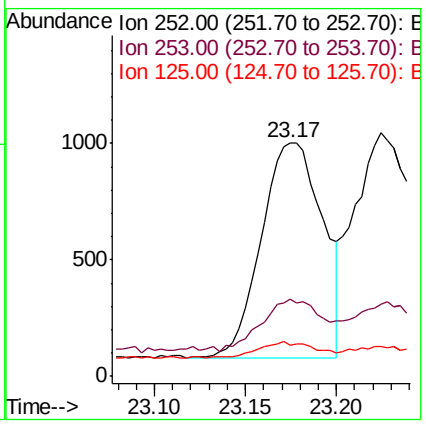


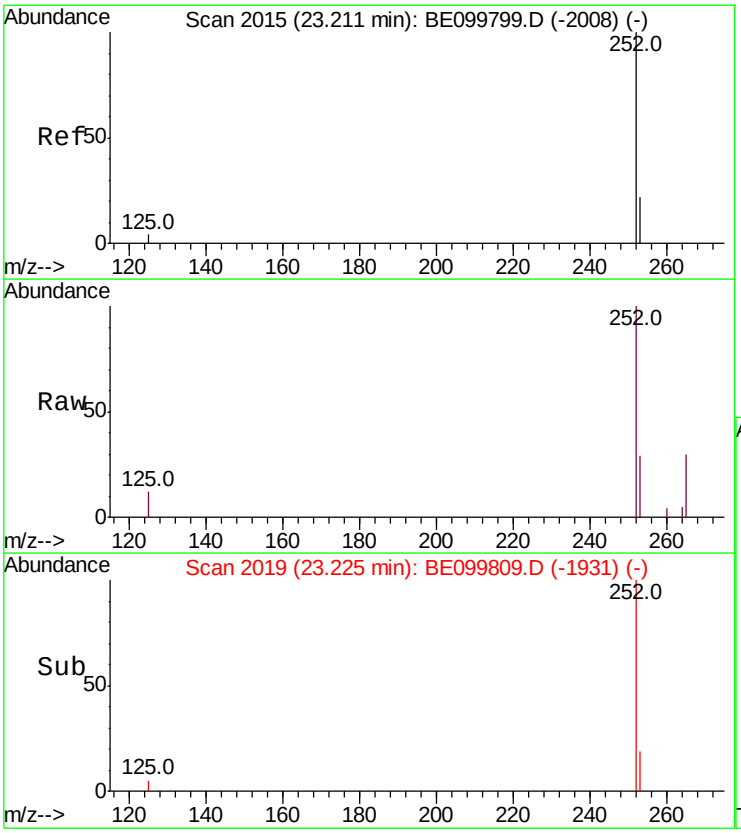
#35
Benzo(b)fluoranthene
Concen: 0.050 ng
RT: 23.17 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:252 Resp: 2171

Ion	Ratio	Lower	Upper
252	100		
253	32.9	18.9	28.3#
125	13.3	7.6	11.4#

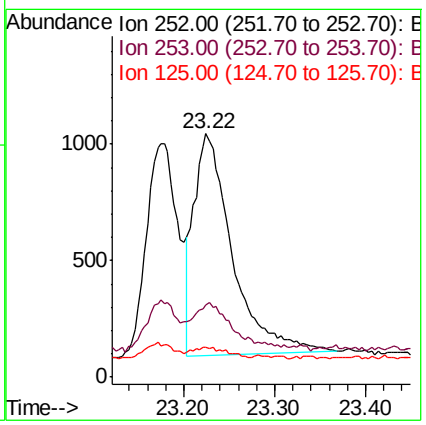


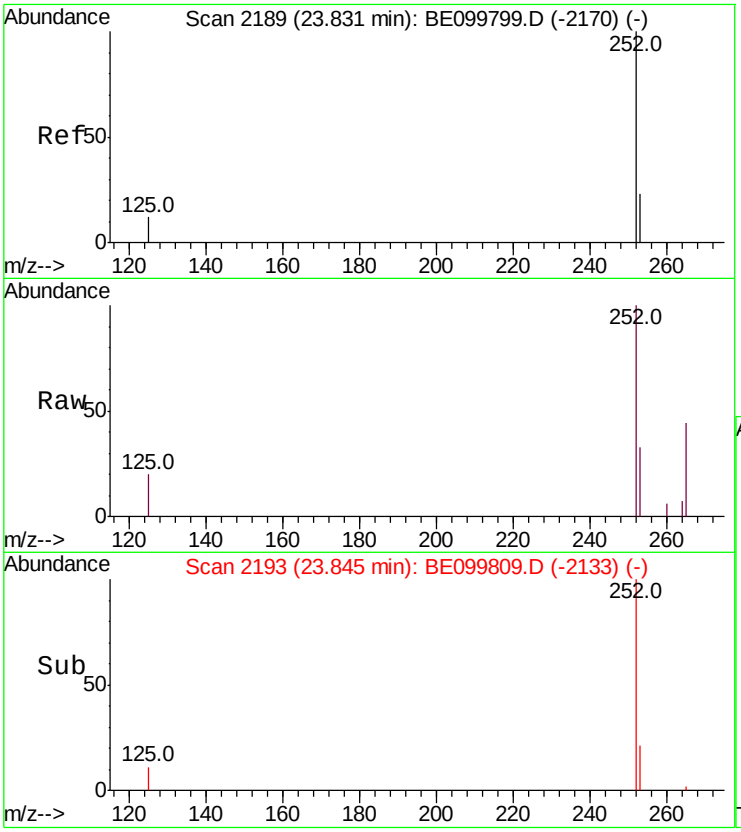


#36
Benzo(k)fluoranthene
Concen: 0.060 ng
RT: 23.22 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:252 Resp: 2776

Ion	Ratio	Lower	Upper
252	100		
253	29.4	18.4	27.6#
125	12.3	4.6	7.0#



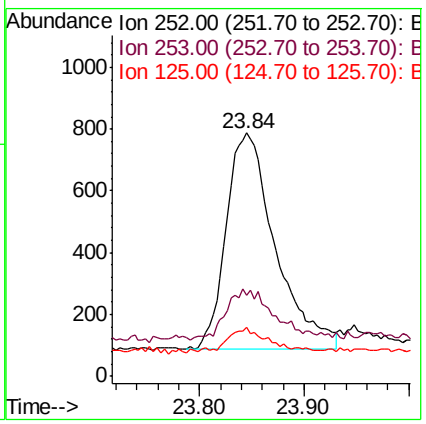


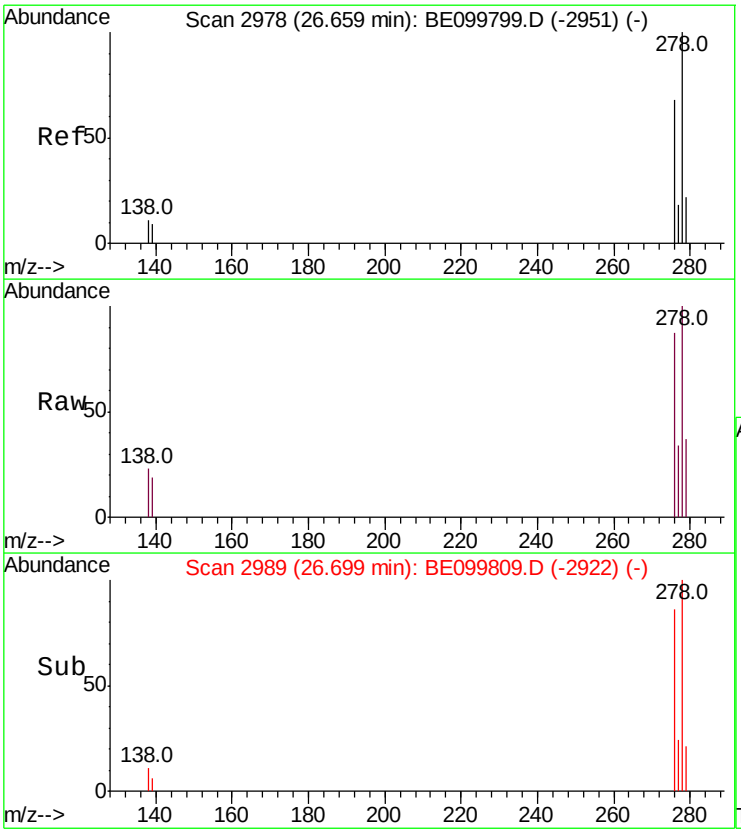
#37
Benzo(a)pyrene
Concen: 0.054 ng
RT: 23.84 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:252 Resp: 2273

Ion	Ratio	Lower	Upper
252	100		
253	33.2	19.3	28.9#
125	20.1	10.2	15.4#

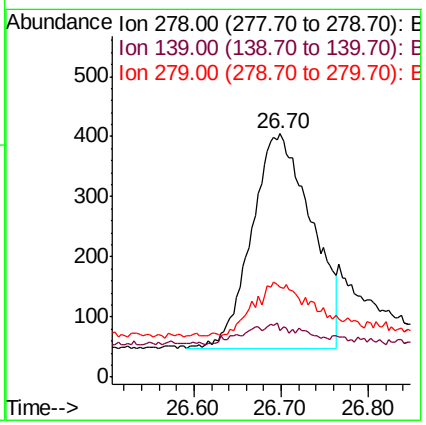


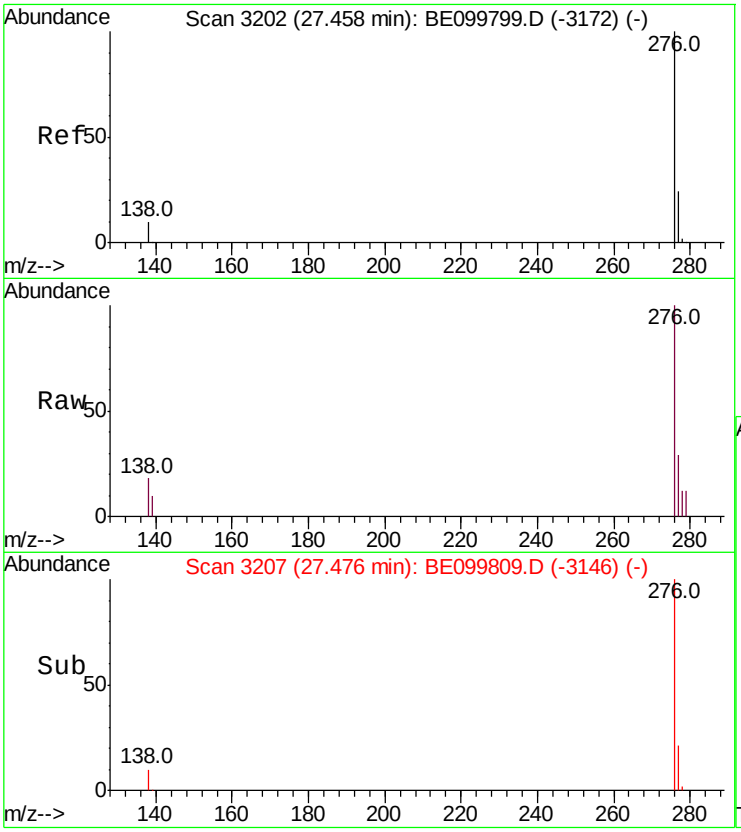


#38
Dibenzo(a,h)anthracene
Concen: 0.040 ng
RT: 26.70 min Scan# 2989
Delta R.T. 0.04 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:278 Resp: 1703

Ion	Ratio	Lower	Upper
278	100		
139	19.3	7.9	11.9#
279	36.8	18.5	27.7#





#39
Benzo(g,h,i)perylene
Concen: 0.055 ng
RT: 27.48 min Scan# 3207
Delta R.T. 0.02 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:276 Resp: 2476

Ion	Ratio	Lower	Upper
276	100		
277	28.9	19.6	29.4
138	17.9	9.0	13.4#