Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040319\
Data File : BE099289.D
Acq On : 3 Apr 2019 13:45
Operator : JU/SJ
Sample : K1560-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : MDL-MDL-SOIL-03-QT1-2019

Quant Time: Apr 04 03:42:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 02 17:16:42 2019
Response via : Initial Calibration

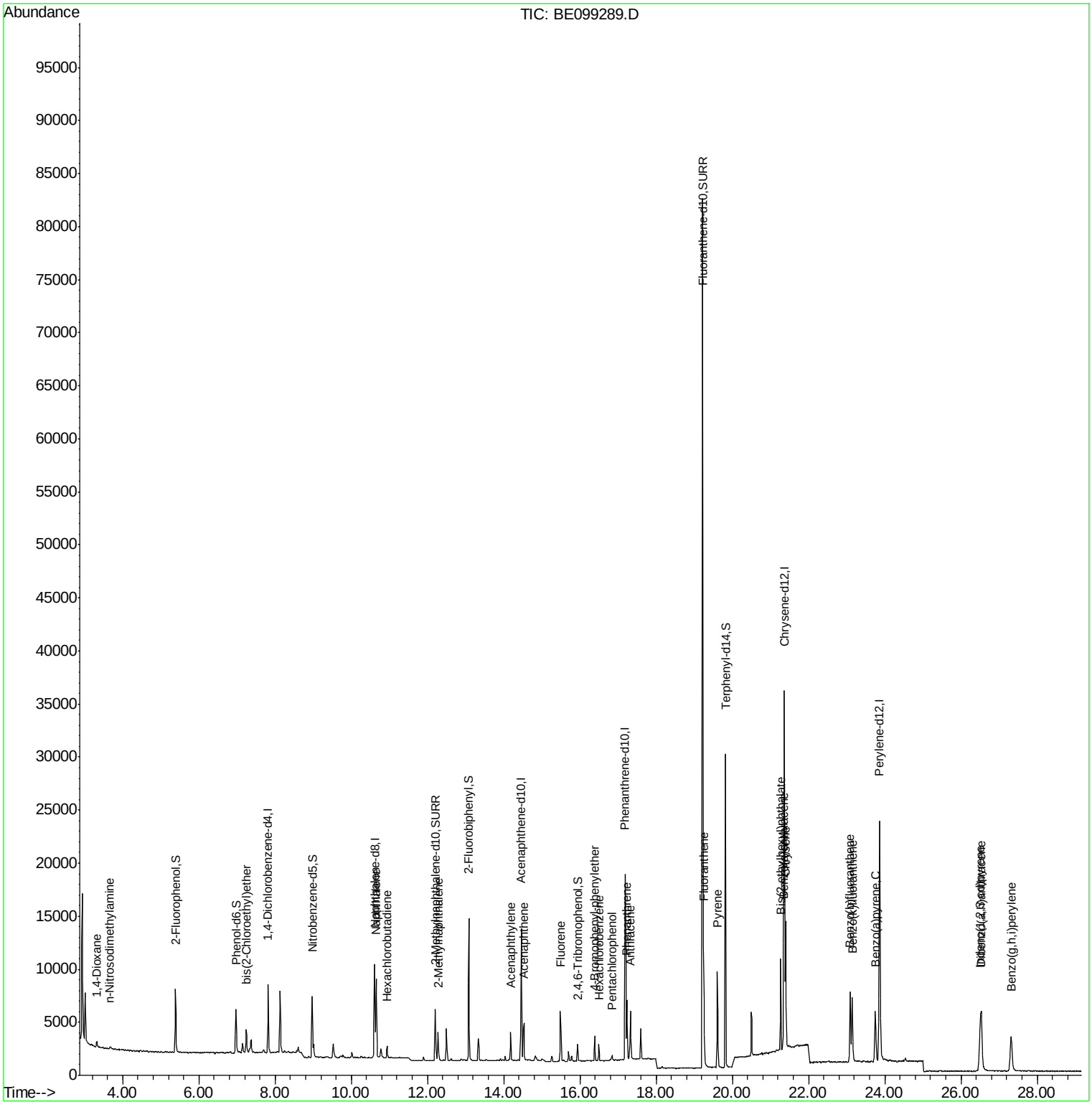
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	3201	0.40	ng		-0.03
7) Naphthalene-d8	10.61	136	11925	0.40	ng		-0.01
13) Acenaphthene-d10	14.46	164	7828	0.40	ng		-0.03
19) Phenanthrene-d10	17.19	188	23693	0.40	ng		-0.03
27) Chrysene-d12	21.37	240	33039	0.40	ng		-0.02
34) Perylene-d12	23.86	264	34116	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.38	112	3234	0.38	ng		-0.03
5) Phenol-d6	6.97	99	4310	0.37	ng		-0.01
8) Nitrobenzene-d5	8.98	82	3073	0.38	ng		-0.01
11) 2-Methylnaphthalene-d10	12.21	152	7325	0.35	ng		-0.01
14) 2,4,6-Tribromophenol	15.94	330	1100	0.30	ng		-0.01
15) 2-Fluorobiphenyl	13.09	172	12266	0.40	ng		-0.01
25) Fluoranthene-d10	19.22	212	109093	0.35	ng		-0.02
29) Terphenyl-d14	19.82	244	26154	0.43	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	587	0.135	ng	#	84
3) n-Nitrosodimethylamine	3.67	42	142	0.055	ng	#	67
6) bis(2-Chloroethyl)ether	7.24	93	1012	0.097	ng	#	86
9) Naphthalene	10.65	128	12203	0.094	ng		98
10) Hexachlorobutadiene	10.94	225	774	0.092	ng		97
12) 2-Methylnaphthalene	12.28	142	2000	0.091	ng		100
16) Acenaphthylene	14.18	152	3160	0.085	ng		99
17) Acenaphthene	14.53	154	2037	0.093	ng		97
18) Fluorene	15.49	166	2857	0.090	ng		97
20) 4-Bromophenyl-phenylether	16.39	248	1181	0.088	ng	#	84
21) Hexachlorobenzene	16.49	284	1202	0.094	ng		97
22) Pentachlorophenol	16.84	266	287	0.054	ng		98
23) Phenanthrene	17.23	178	5924	0.097	ng		98
24) Anthracene	17.32	178	4785	0.083	ng		100
26) Fluoranthene	19.25	202	8245	0.091	ng		99
28) Pyrene	19.61	202	8351	0.096	ng		100
30) Benzo(a)anthracene	21.34	228	9178	0.088	ng		96
31) Chrysene	21.40	228	9818	0.096	ng		98
32) Bis(2-ethylhexyl)phthalate	21.27	149	9079	0.068	ng		99
33) Indeno(1,2,3-cd)pyrene	26.51	276	10269	0.088	ng		98
35) Benzo(b)fluoranthene	23.09	252	9267	0.091	ng	#	93
36) Benzo(k)fluoranthene	23.15	252	9143	0.092	ng	#	94
37) Benzo(a)pyrene	23.75	252	8172	0.085	ng	#	90
38) Dibenzo(a,h)anthracene	26.54	278	8422	0.088	ng		95
39) Benzo(g,h,i)perylene	27.31	276	8725	0.092	ng		97

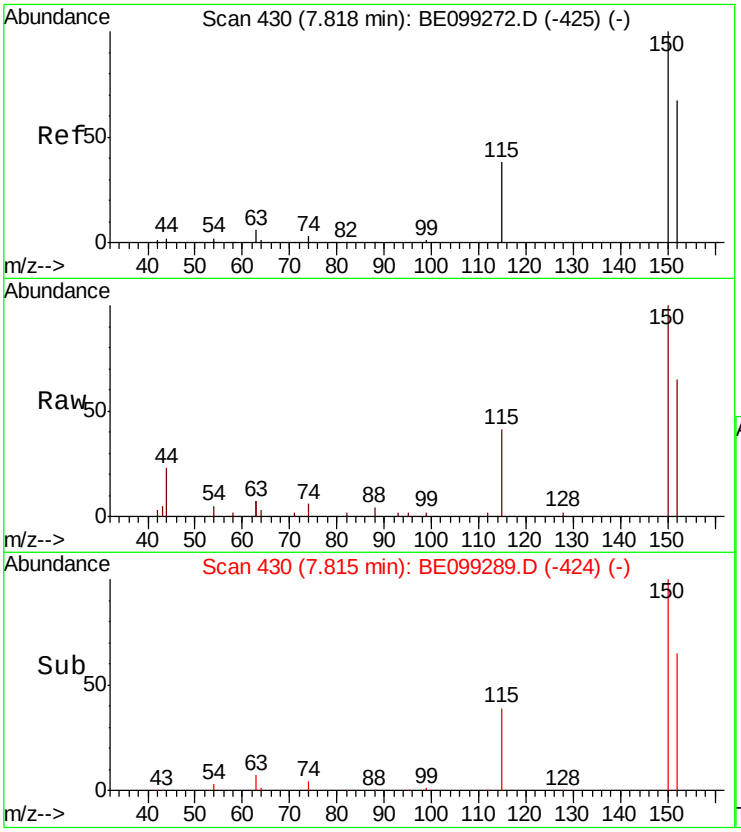
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040319\
Data File : BE099289.D
Acq On : 3 Apr 2019 13:45
Operator : JU/SJ
Sample : K1560-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Quant Time: Apr 04 03:42:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 02 17:16:42 2019
Response via : Initial Calibration



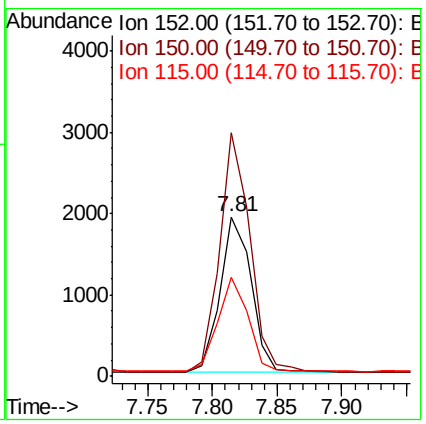


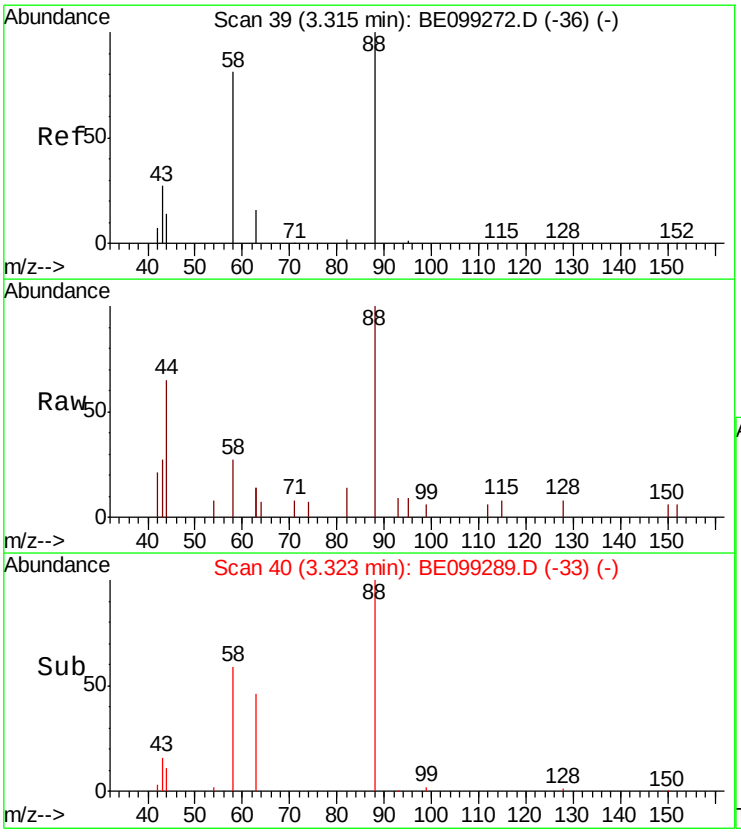
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 430
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:152 Resp: 3201

Ion	Ratio	Lower	Upper
152	100		
150	152.8	112.8	169.2
115	62.2	45.1	67.7

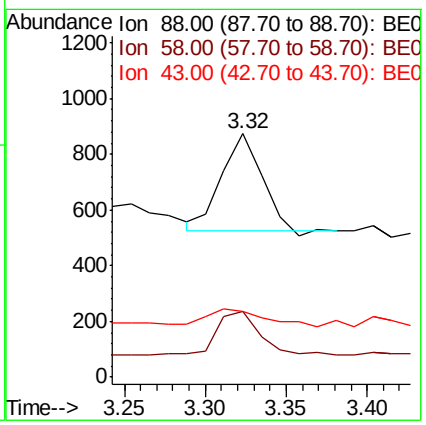


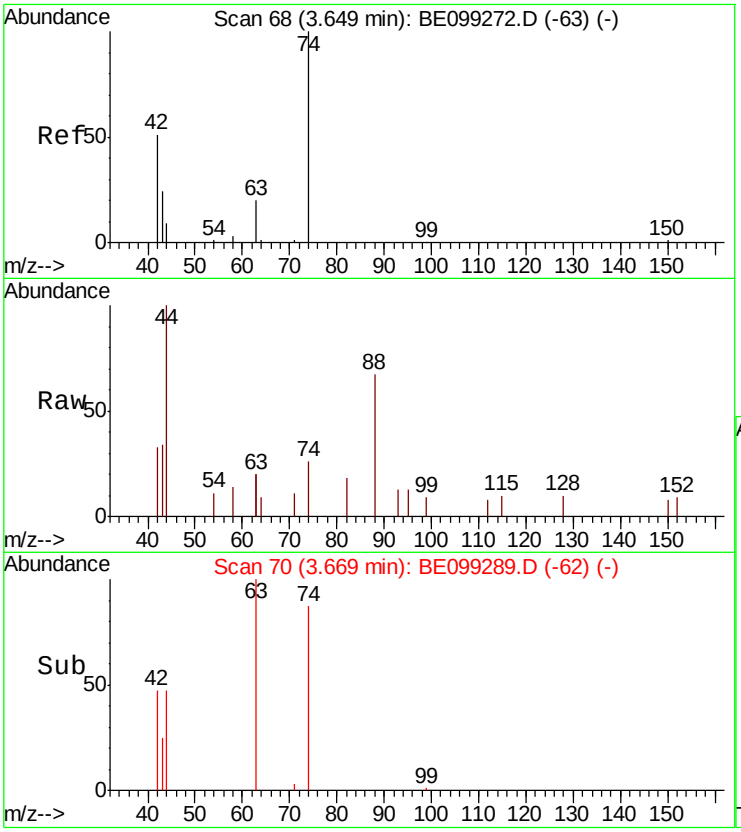


#2
1,4-Dioxane
Concen: 0.135 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion: 88 Resp: 587

Ion	Ratio	Lower	Upper
88	100		
58	48.9	47.4	71.0
43	29.3	15.6	23.4#



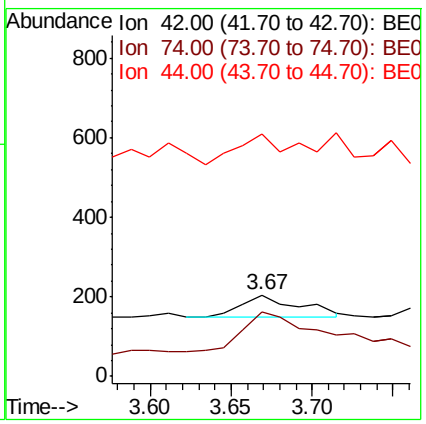


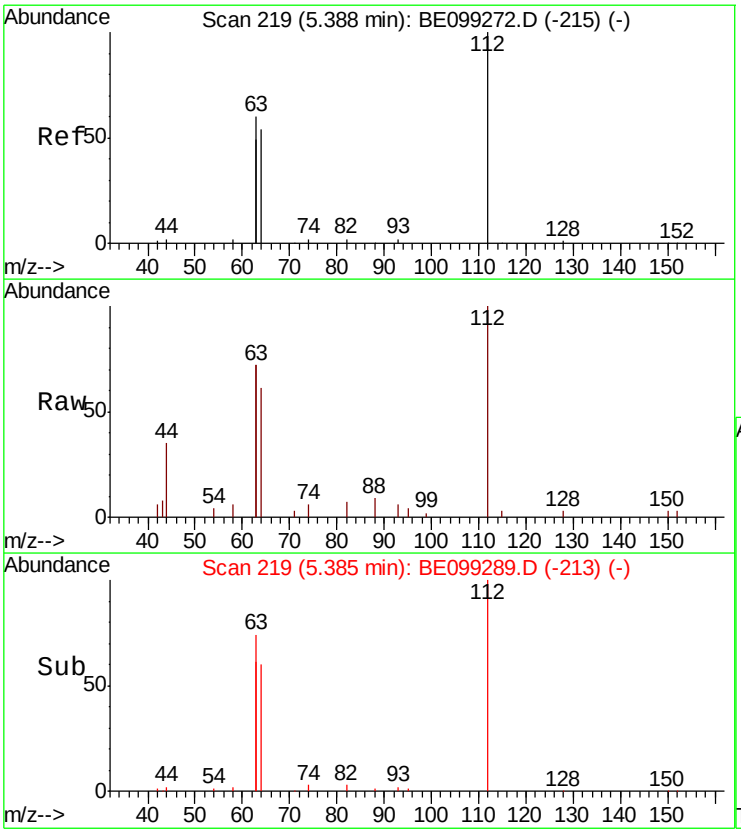
#3
n-Nitrosodimethylamine
Concen: 0.055 ng
RT: 3.67 min Scan# 70
Delta R.T. -0.00 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 42 Resp: 142

Ion	Ratio	Lower	Upper
42	100		
74	200.7	138.6	207.8
44	88.7	15.0	22.6#

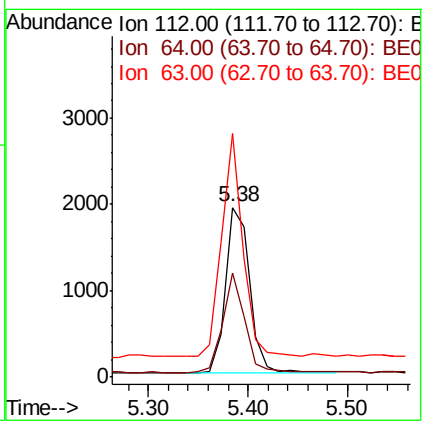


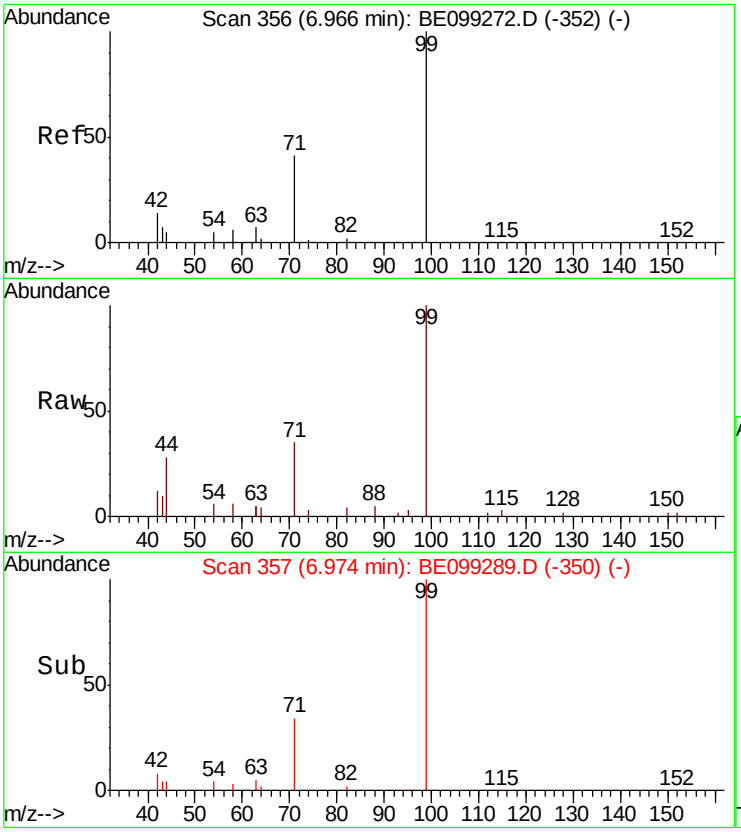


#4
2-Fluorophenol
Concen: 0.380 ng
RT: 5.38 min Scan# 219
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:112 Resp: 3234

Ion	Ratio	Lower	Upper
112	100		
64	54.5	46.2	69.2
63	116.8	89.9	134.9



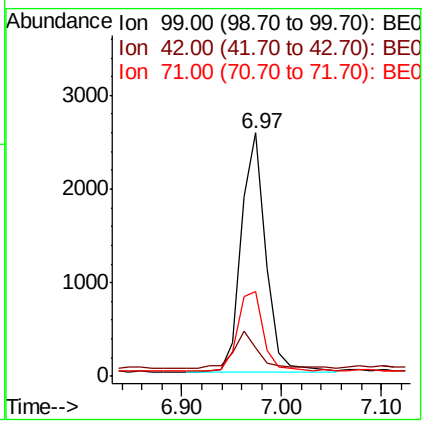


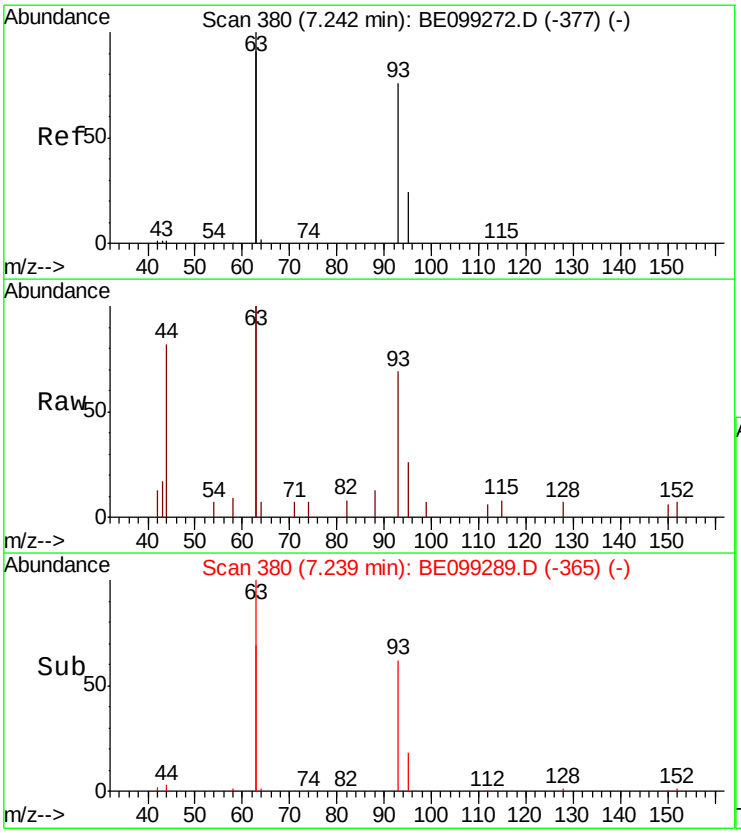
#5
Phenol-d6
Concen: 0.369 ng
RT: 6.97 min Scan# 357
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 99 Resp: 4310

Ion	Ratio	Lower	Upper
99	100		
42	16.2	12.4	18.6
71	35.3	28.4	42.6

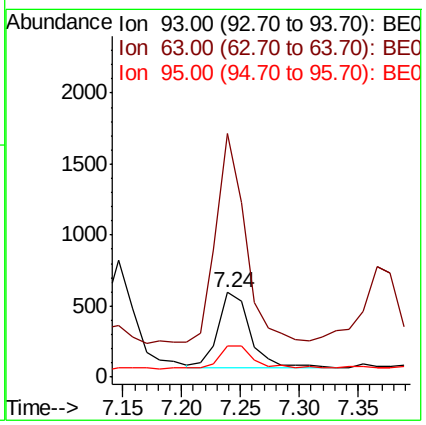


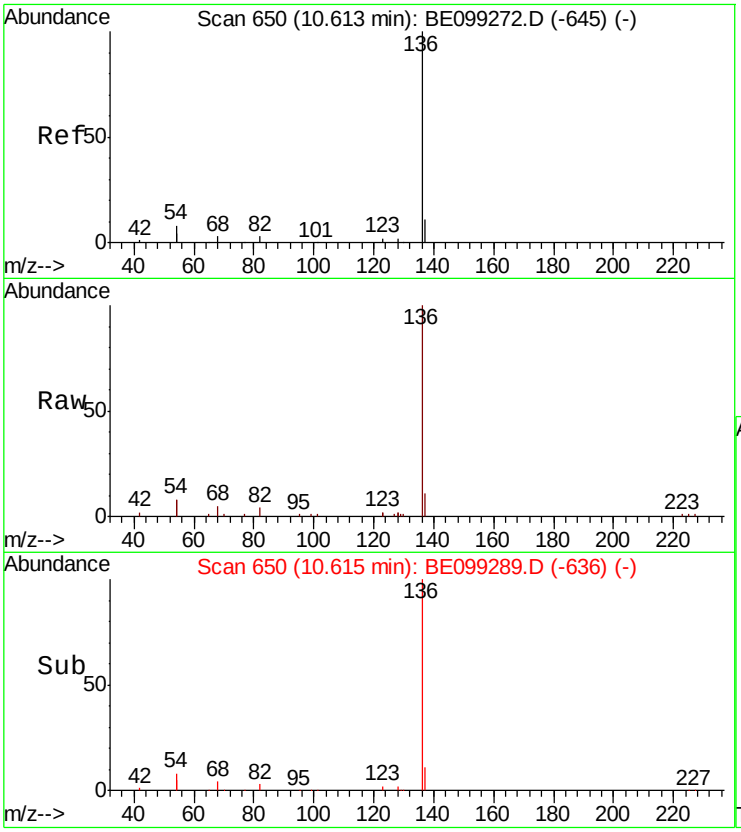


#6
bis(2-Chloroethyl)ether
Concen: 0.097 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion: 93 Resp: 1012

Ion	Ratio	Lower	Upper
93	100		
63	249.6	221.4	332.0
95	39.0	25.8	38.8#



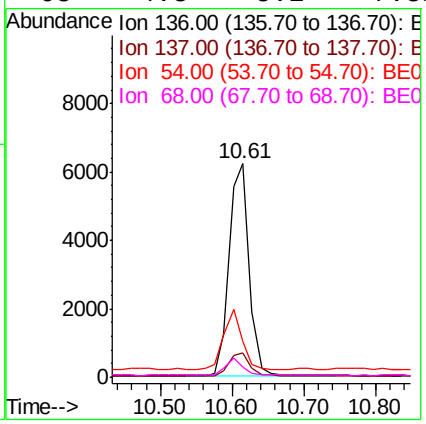


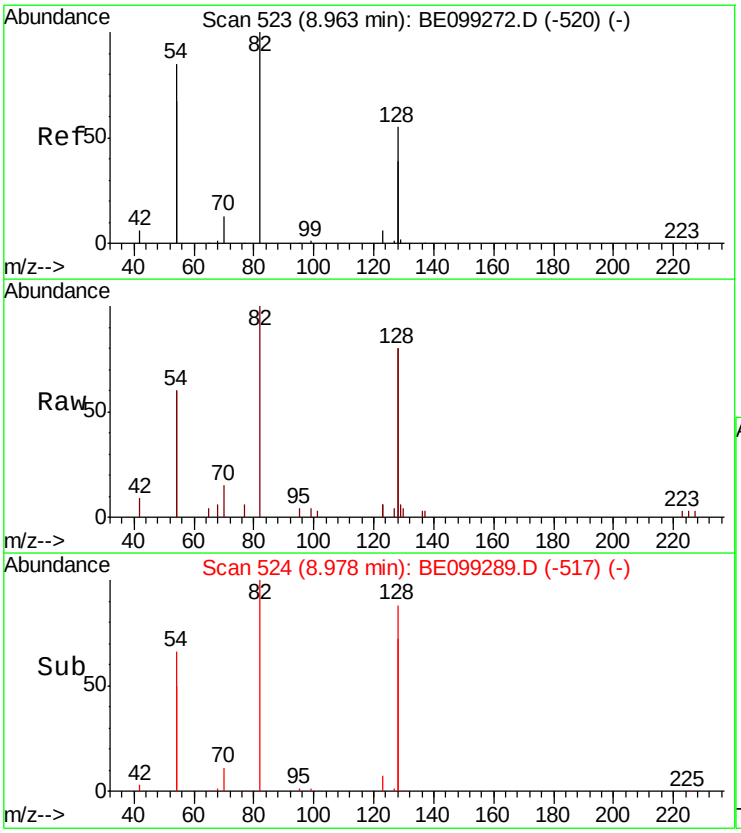
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:136 Resp: 11925

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	16.8	18.7	28.1#
68	4.8	5.2	7.8#

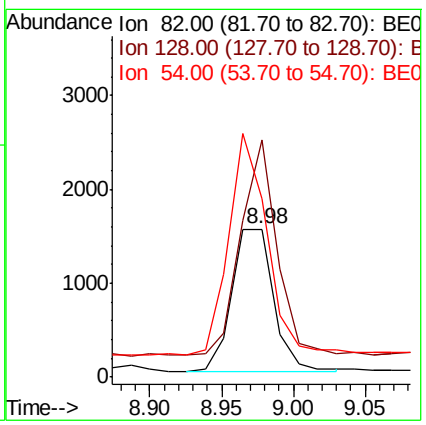


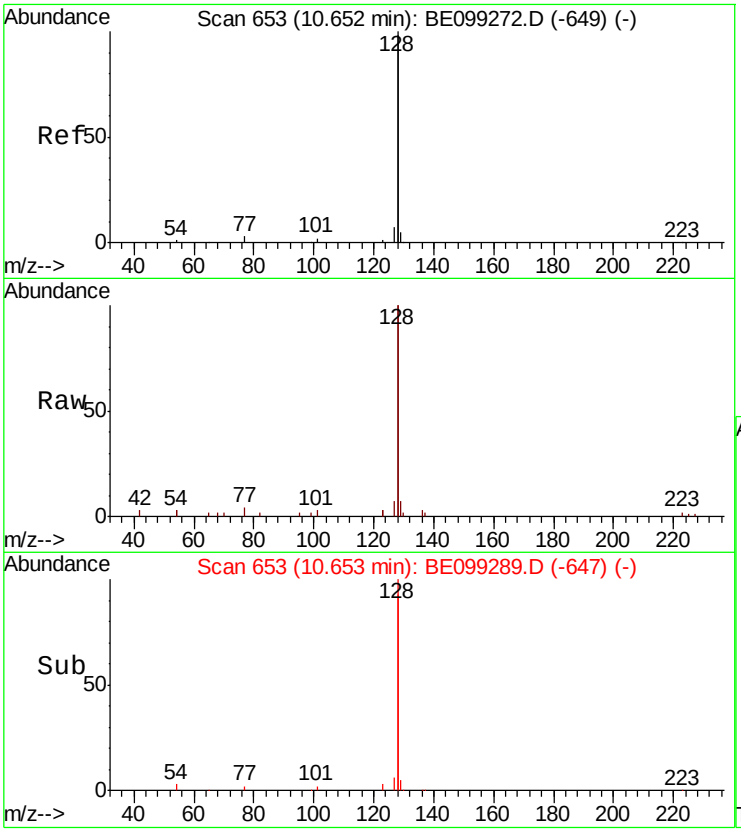


#8
Nitrobenzene-d5
Concen: 0.375 ng
RT: 8.98 min Scan# 524
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion: 82 Resp: 3073

Ion	Ratio	Lower	Upper
82	100		
128	160.5	107.5	161.3
54	120.8	106.3	159.5



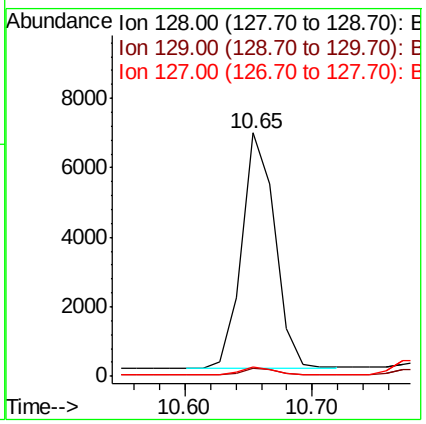


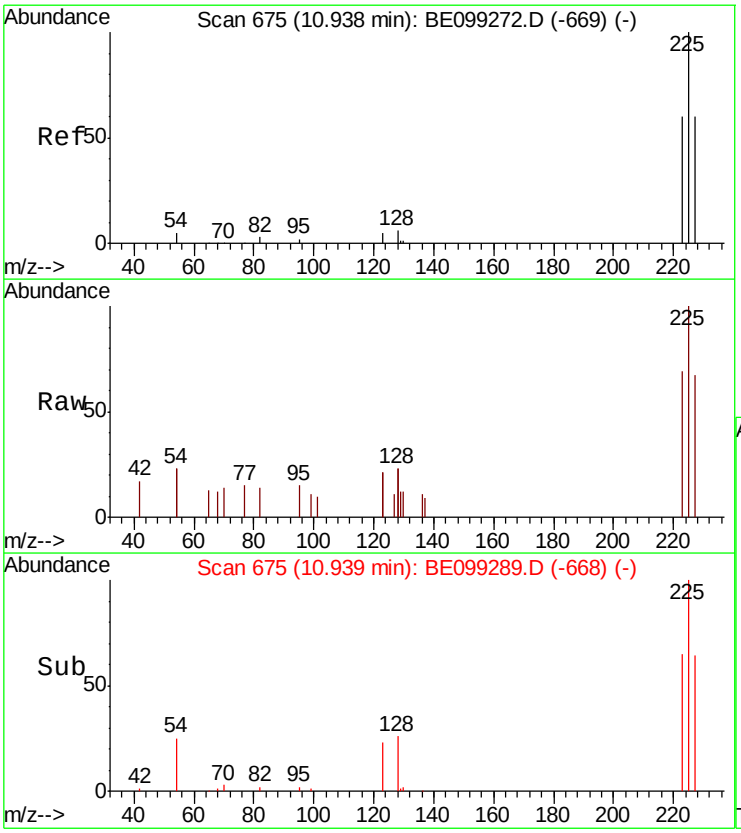
#9
Naphthalene
Concen: 0.094 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:128 Resp: 12203

Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.3	3.5
127	3.6	2.6	3.8

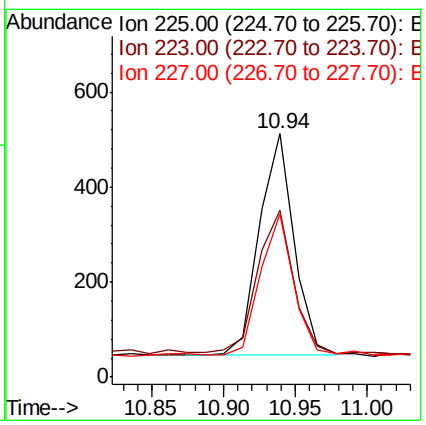


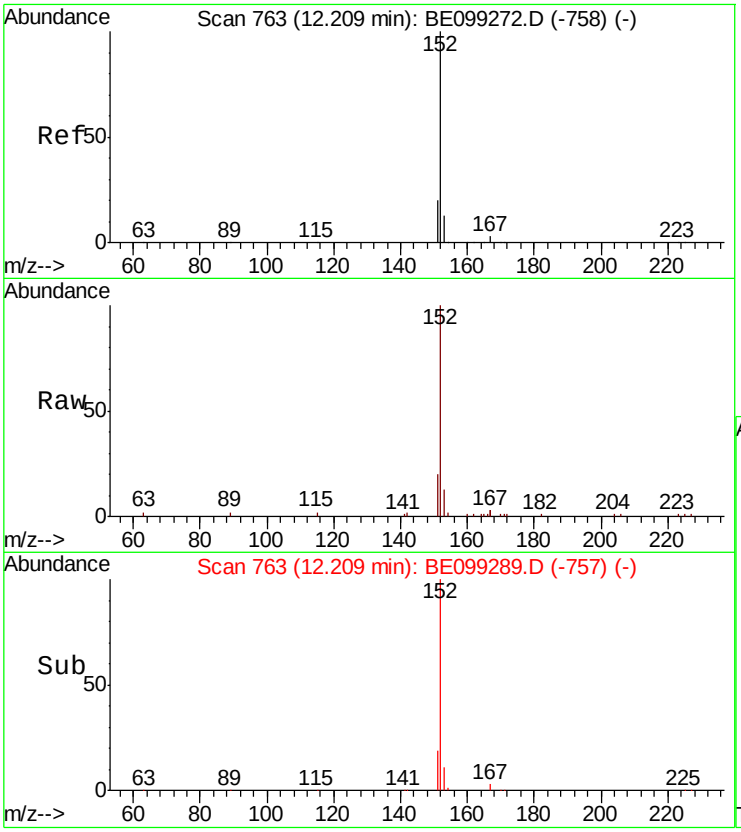


#10
Hexachlorobutadiene
Concen: 0.092 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:225 Resp: 774

Ion	Ratio	Lower	Upper
225	100		
223	68.2	51.3	76.9
227	60.5	48.6	73.0



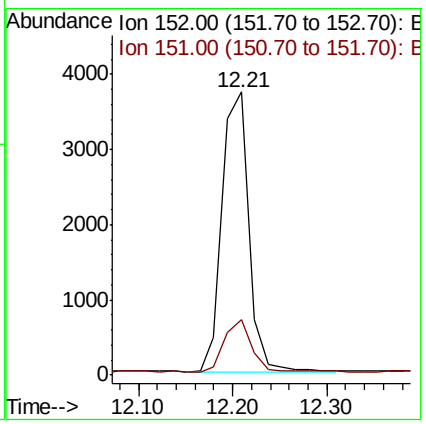


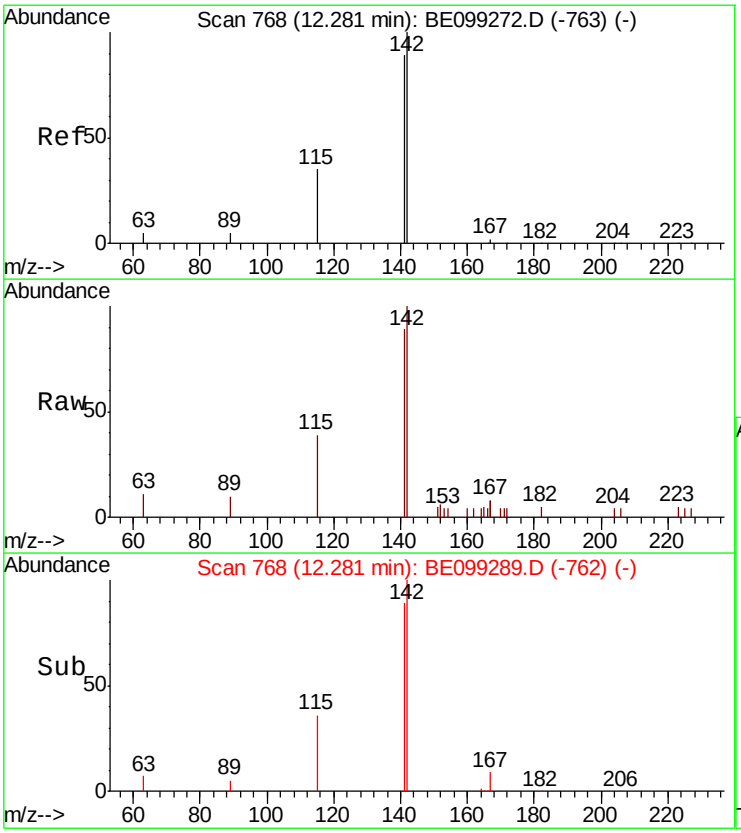
#11
2-Methylnaphthalene-d10
Concen: 0.352 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:152 Resp: 7325

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.0	22.6

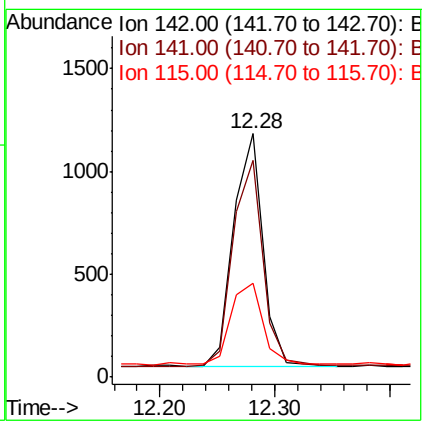


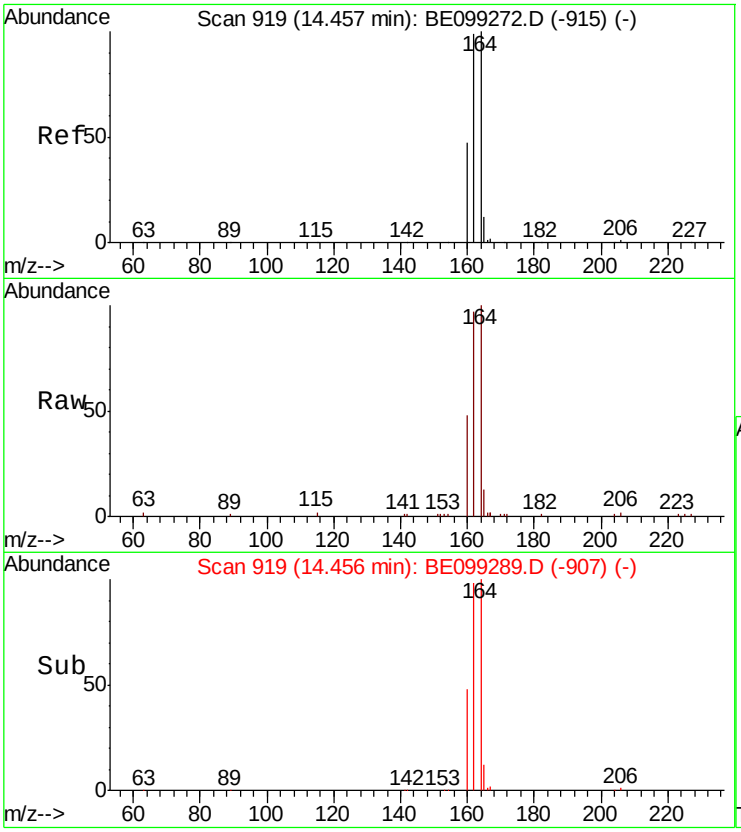


#12
2-Methylnaphthalene
Concen: 0.091 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:142 Resp: 2000

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.3	106.9
115	38.5	30.4	45.6



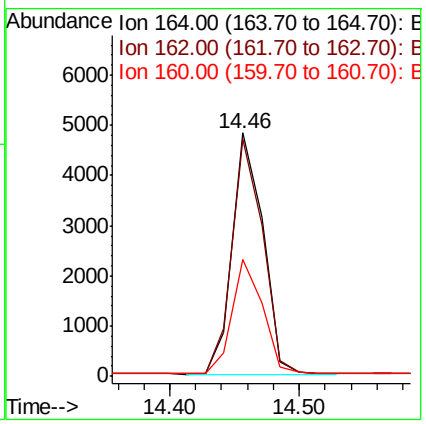


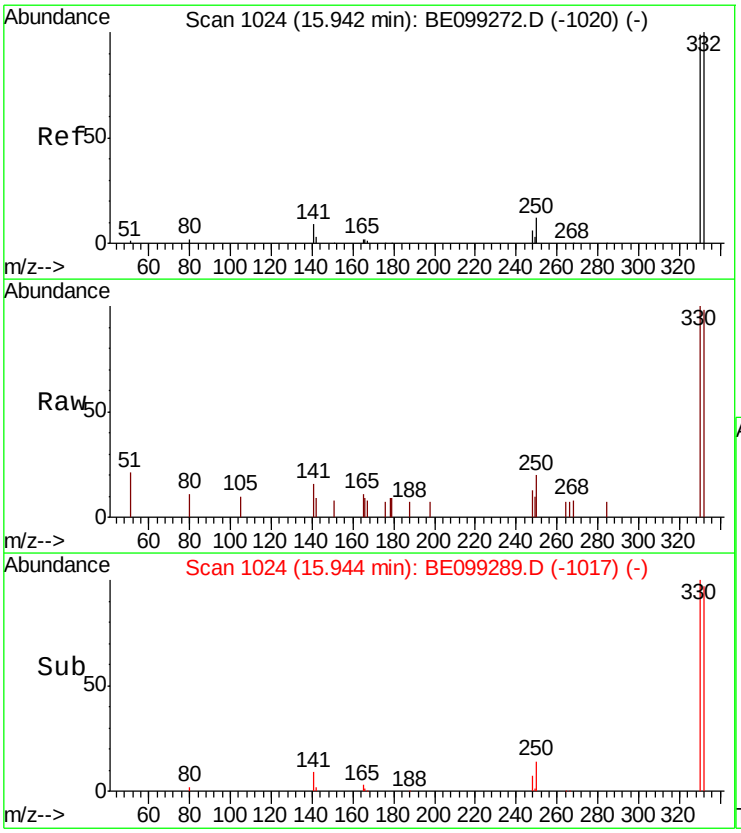
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:164 Resp: 7828

Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.2	118.8
160	48.1	36.7	55.1

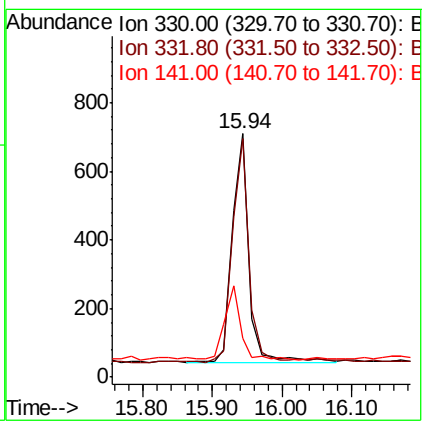


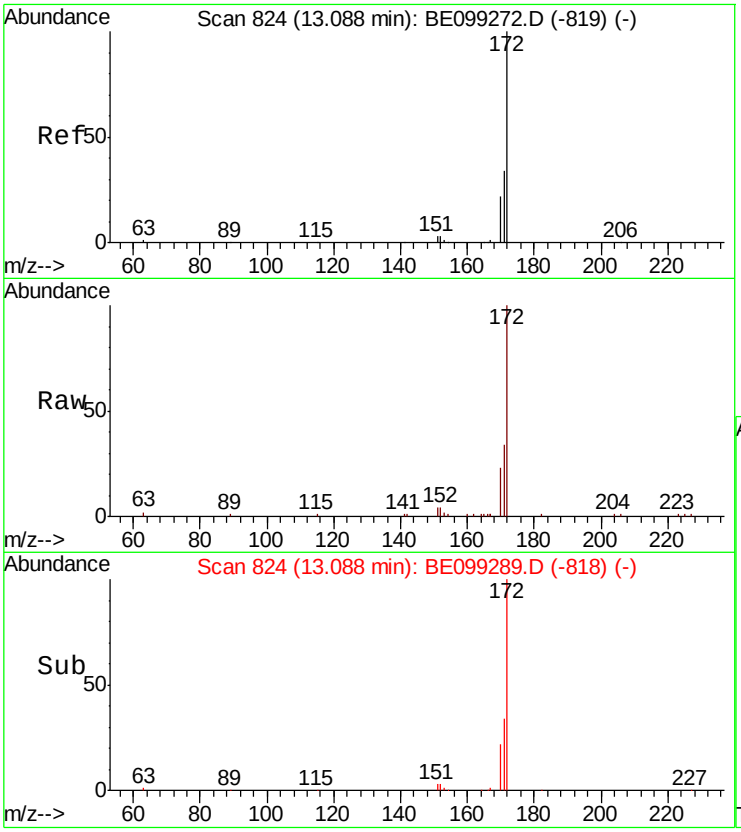


#14
2,4,6-Tribromophenol
Concen: 0.305 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:330 Resp: 1100

Ion	Ratio	Lower	Upper
330	100		
332	96.4	71.3	106.9
141	30.9	21.7	32.5



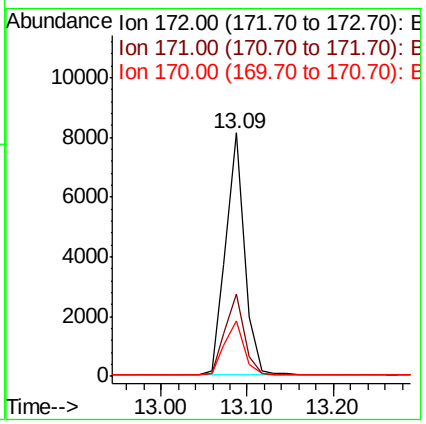


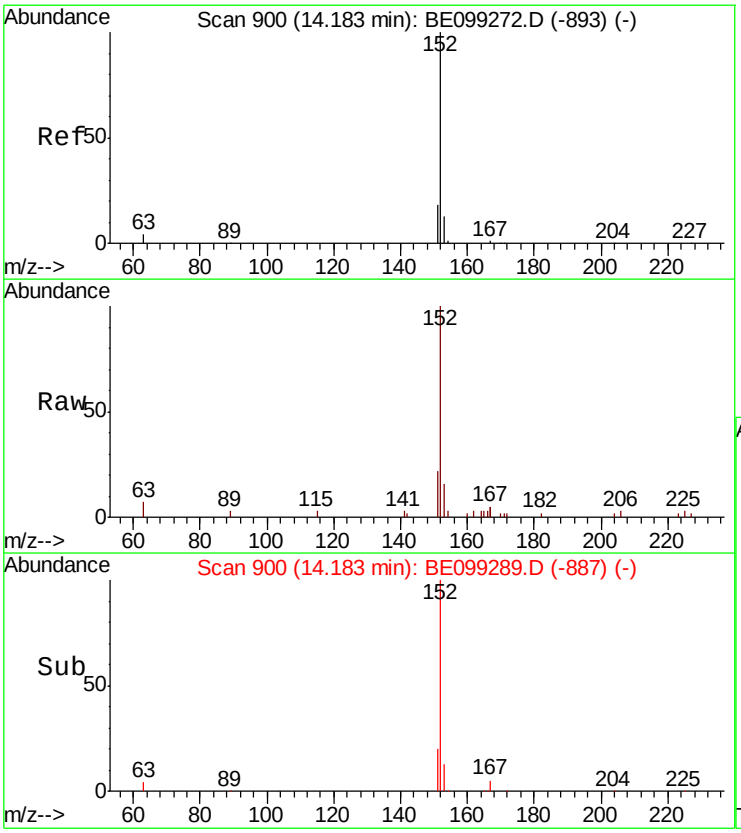
#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:172 Resp: 12266

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.4	41.0
170	22.6	19.1	28.7

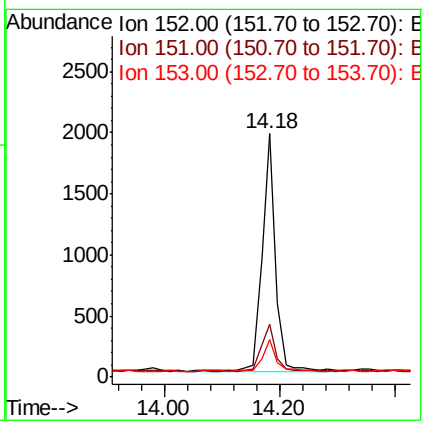


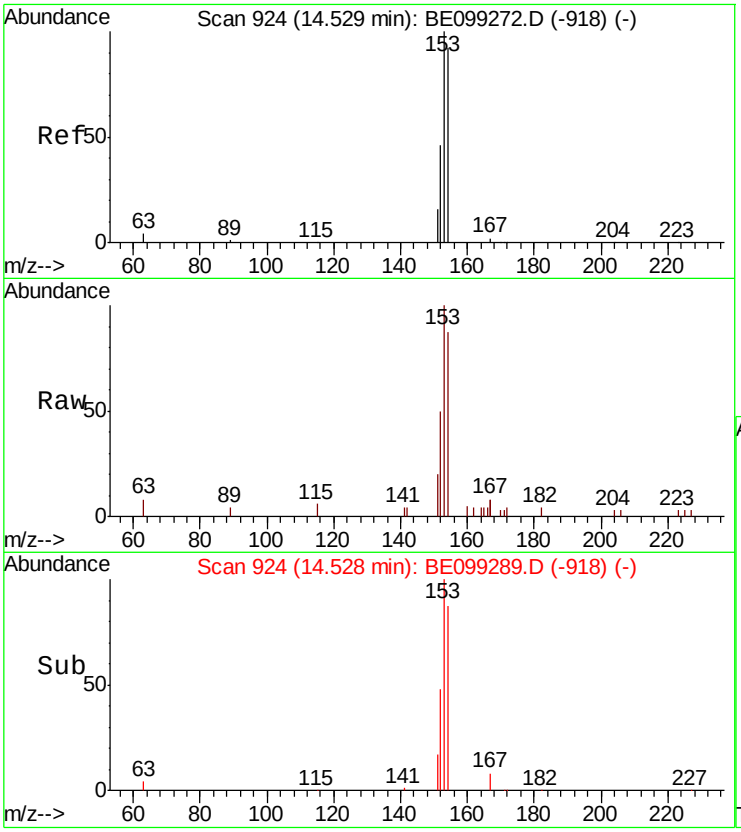


#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:152 Resp: 3160

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	13.2	10.6	15.8



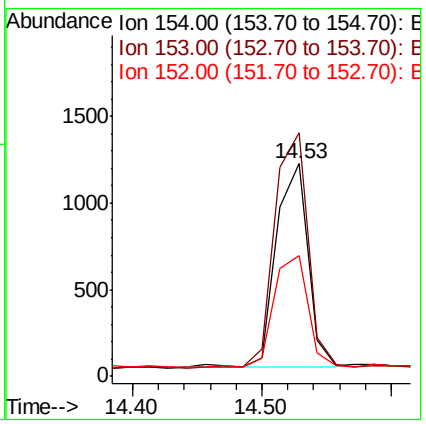


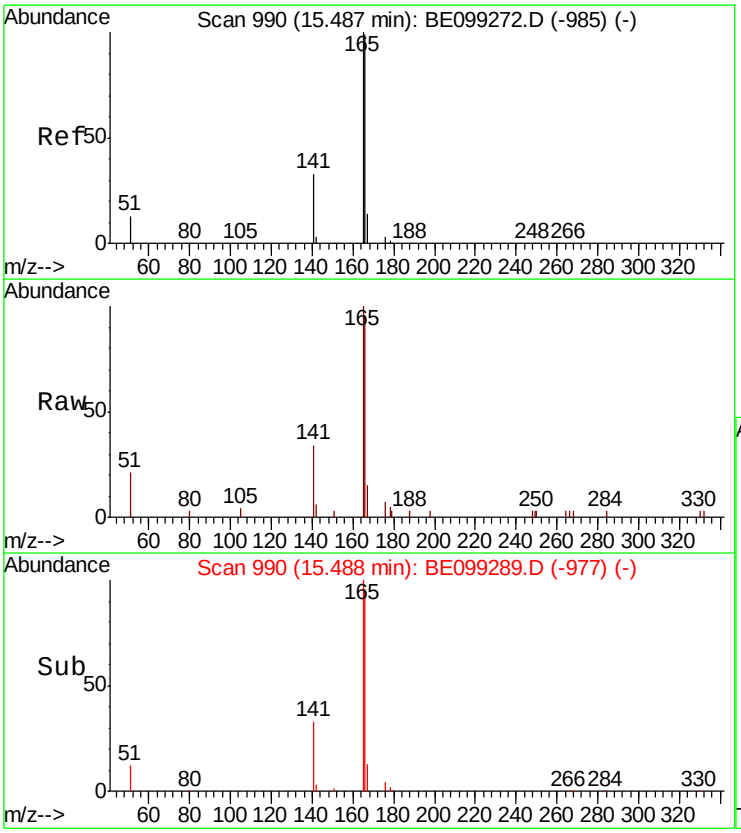
#17
Acenaphthene
Concen: 0.093 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:154 Resp: 2037

Ion	Ratio	Lower	Upper
154	100		
153	120.3	93.4	140.0
152	57.4	46.6	69.8

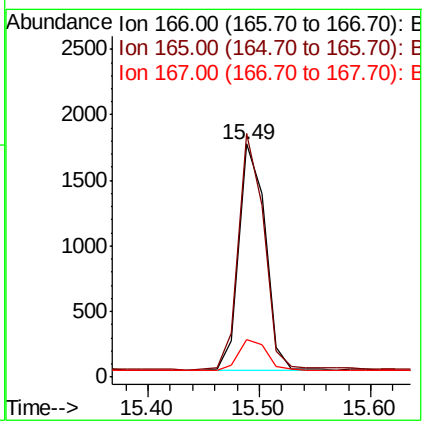


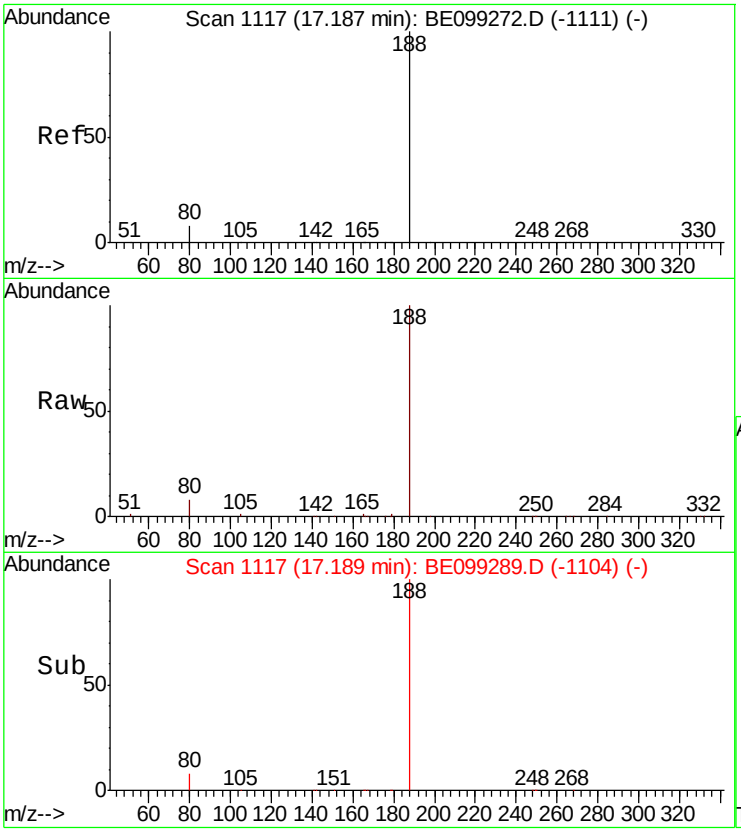


#18
Fluorene
Concen: 0.090 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:166 Resp: 2857

Ion	Ratio	Lower	Upper
166	100		
165	101.2	78.9	118.3
167	14.8	10.9	16.3



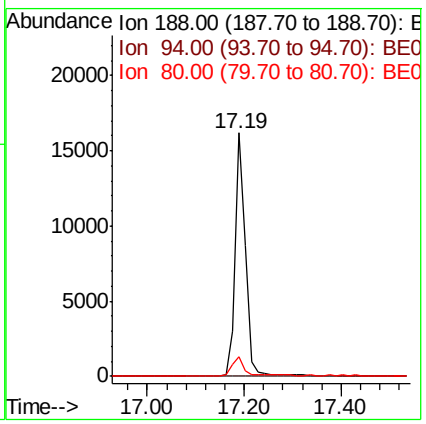


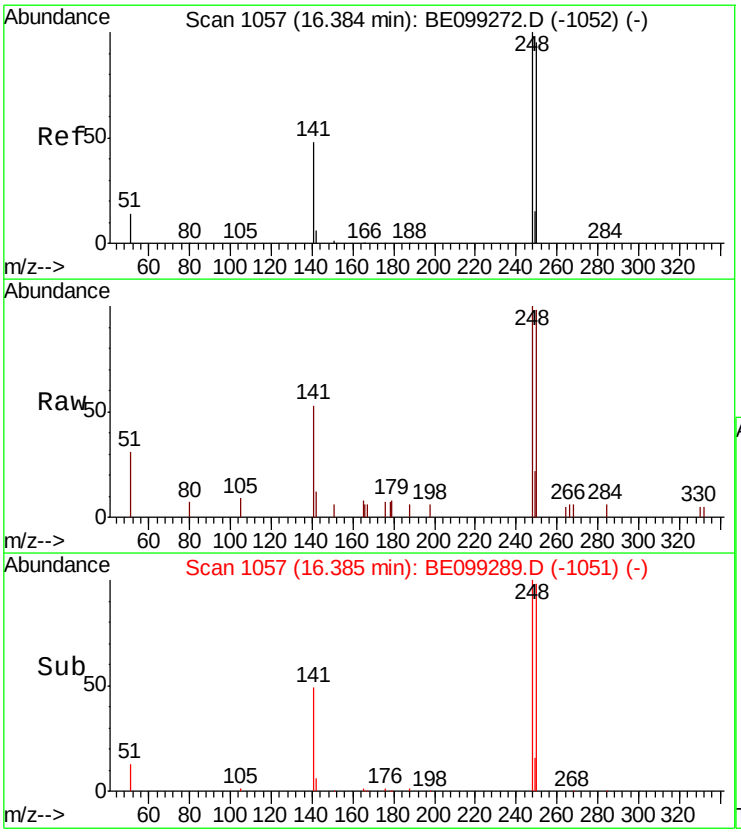
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:188 Resp: 23693

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	4.5	6.7#

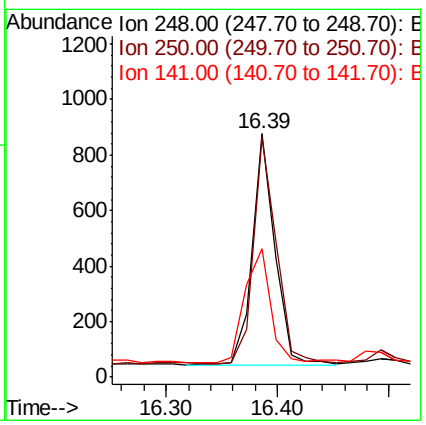


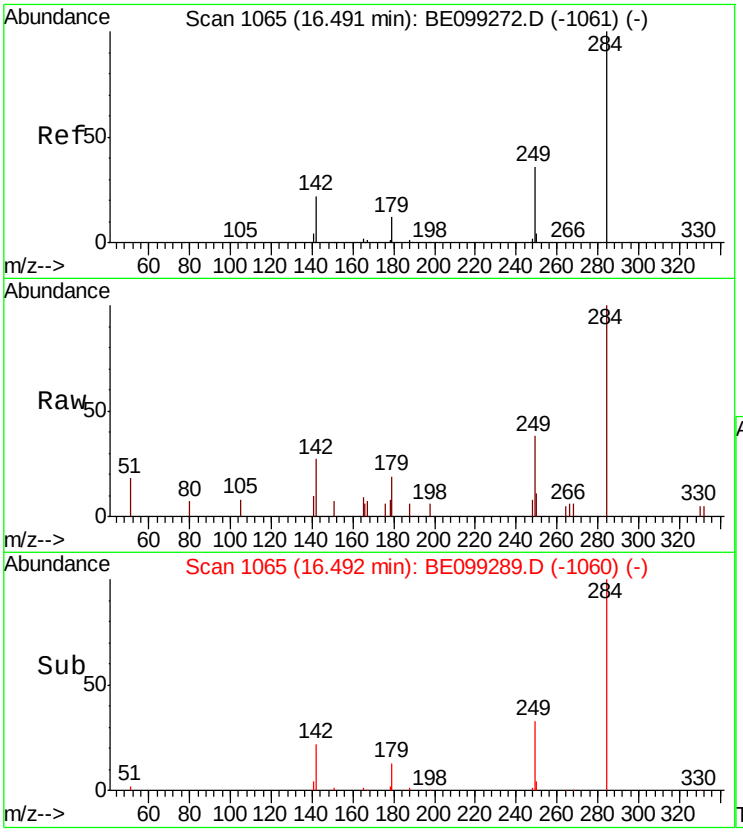


#20
4-Bromophenyl-phenylether
Concen: 0.088 ng
RT: 16.39 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:248 Resp: 1181

Ion	Ratio	Lower	Upper
248	100		
250	98.3	84.2	126.2
141	53.0	21.8	32.6#



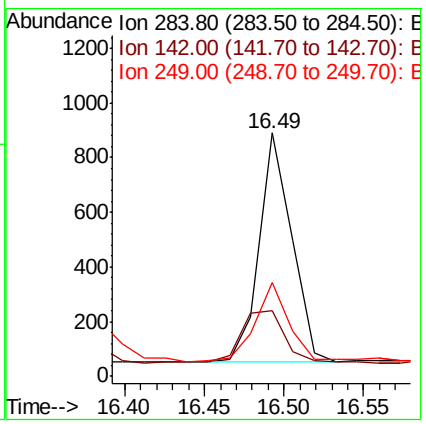


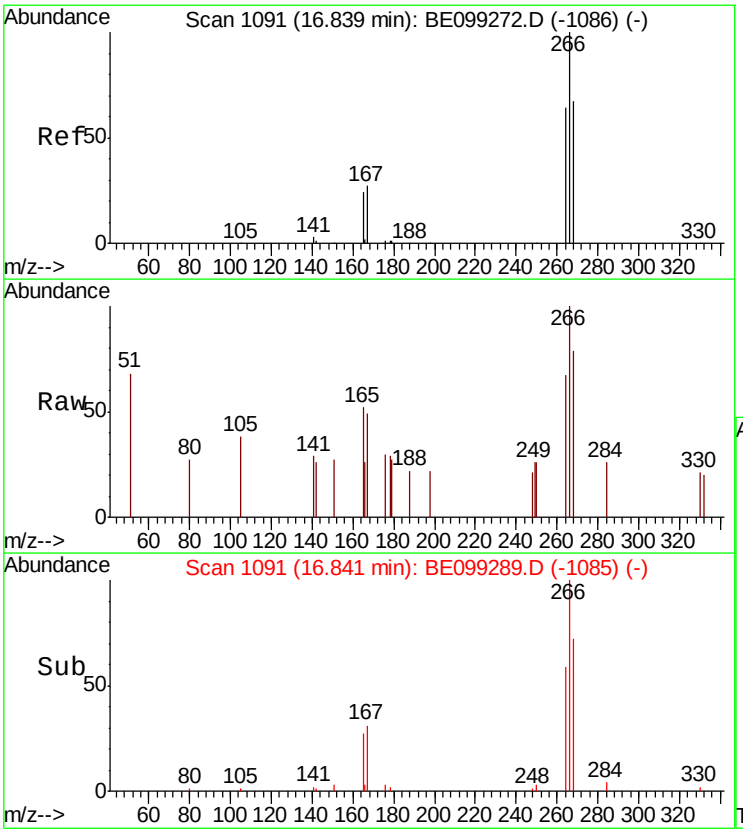
#21
Hexachlorobenzene
Concen: 0.094 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:284 Resp: 1202

Ion	Ratio	Lower	Upper
284	100		
142	29.3	22.7	34.1
249	35.7	26.9	40.3

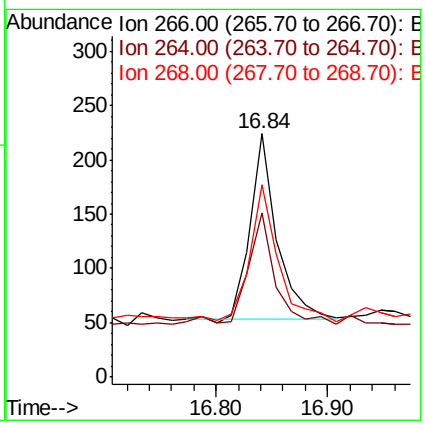


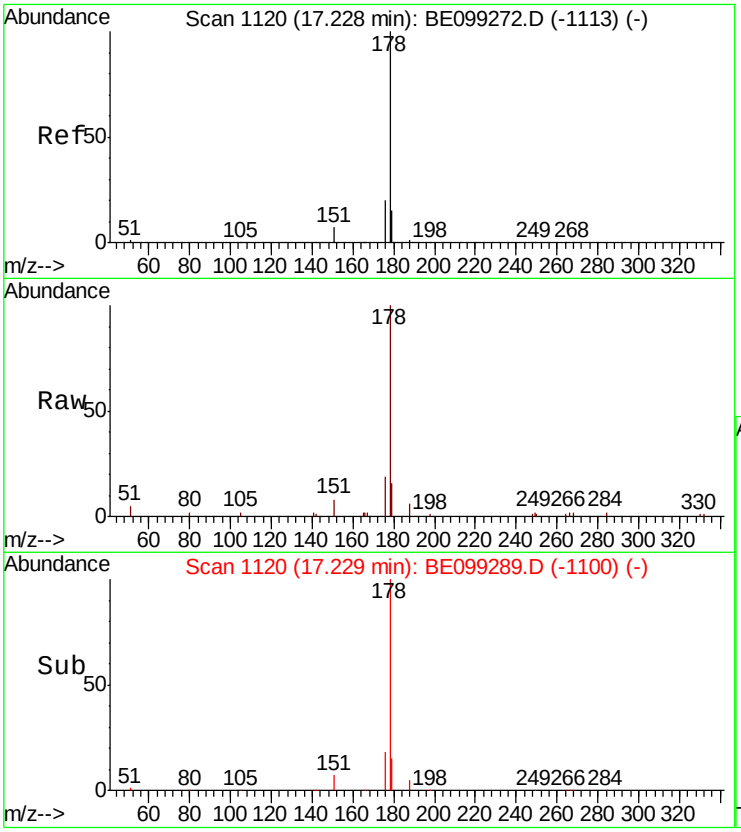


#22
Pentachlorophenol
Concen: 0.054 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:266 Resp: 287

Ion	Ratio	Lower	Upper
266	100		
264	67.4	54.4	81.6
268	79.0	61.3	91.9



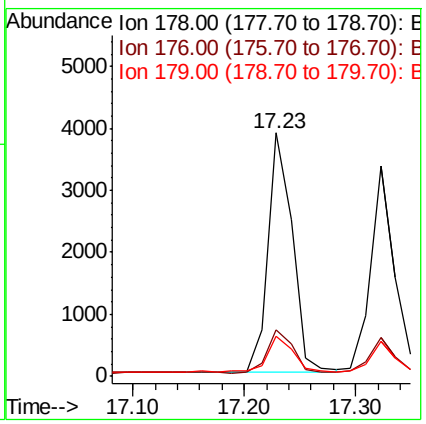


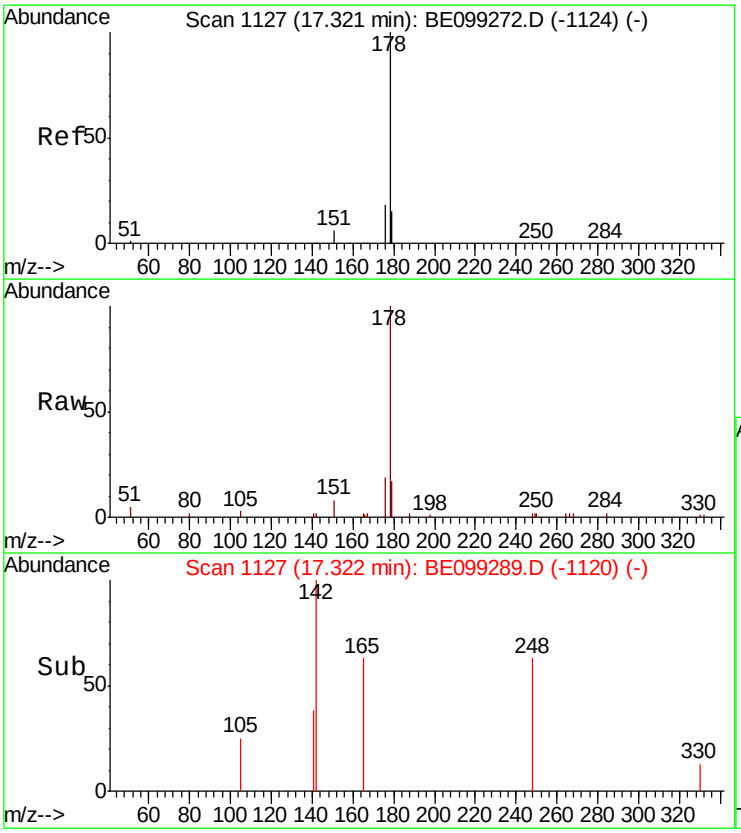
#23
Phenanthrene
Concen: 0.097 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:178 Resp: 5924

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.4	12.3	18.5

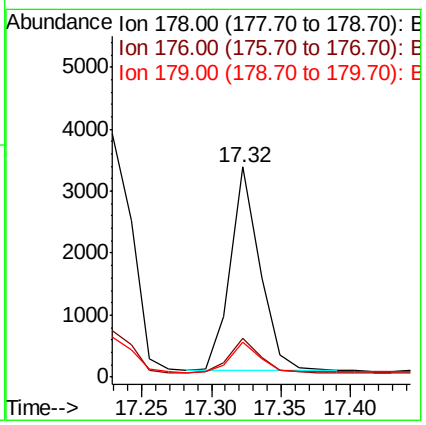


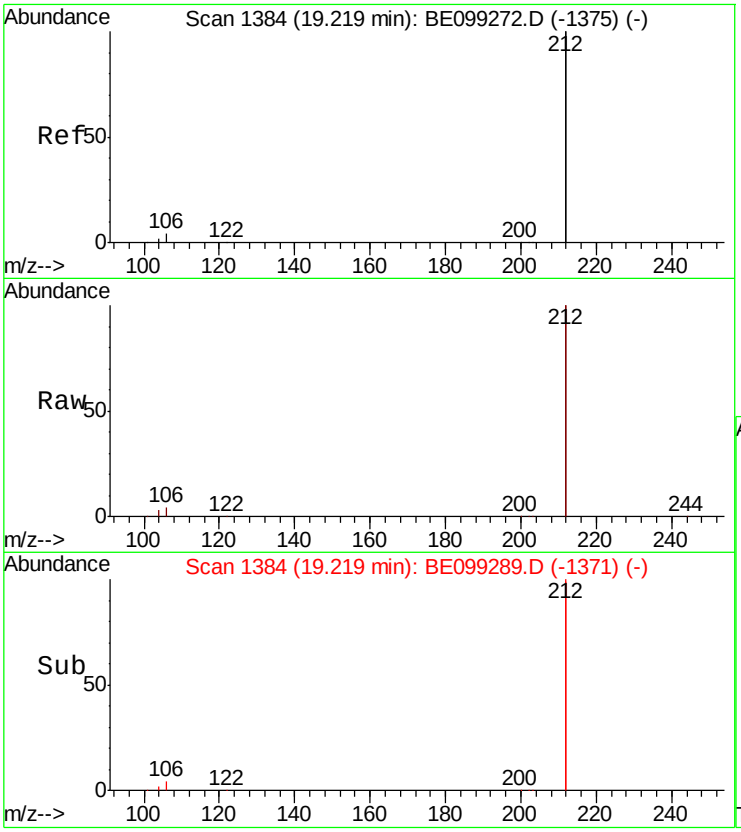


#24
Anthracene
Concen: 0.083 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:178 Resp: 4785

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.8	12.4	18.6



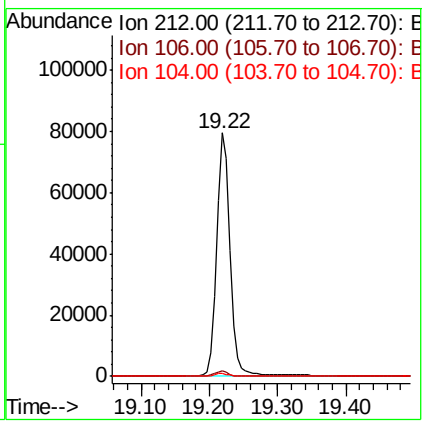


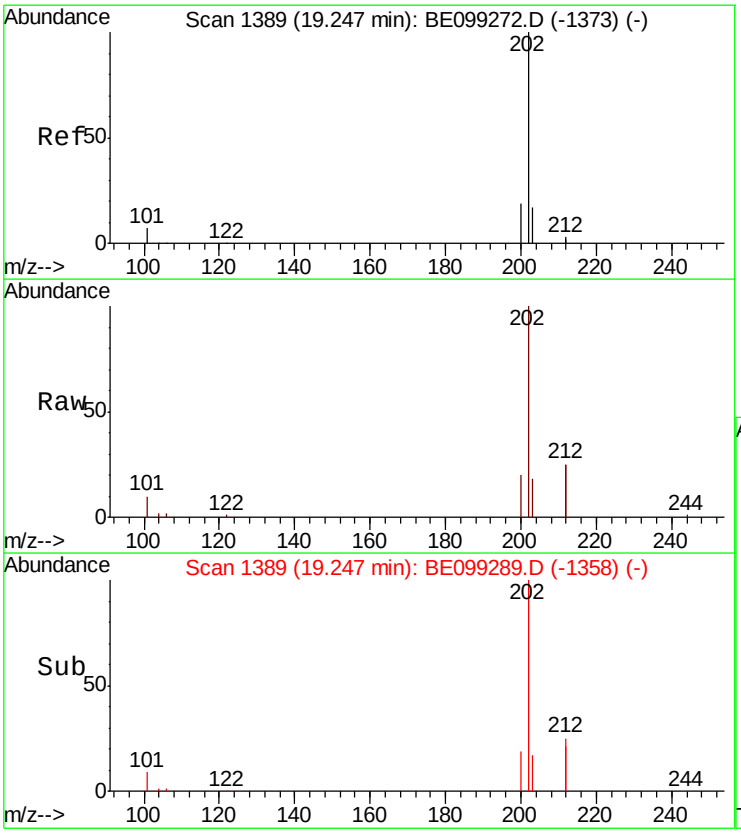
#25
Fluoranthene-d10
Concen: 0.349 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:212 Resp: 109093

Ion	Ratio	Lower	Upper
212	100		
106	2.1	1.8	2.8
104	1.2	1.1	1.7

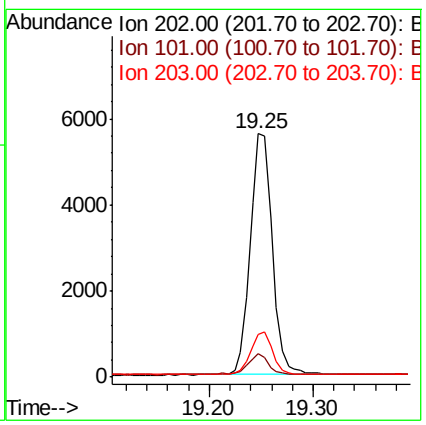


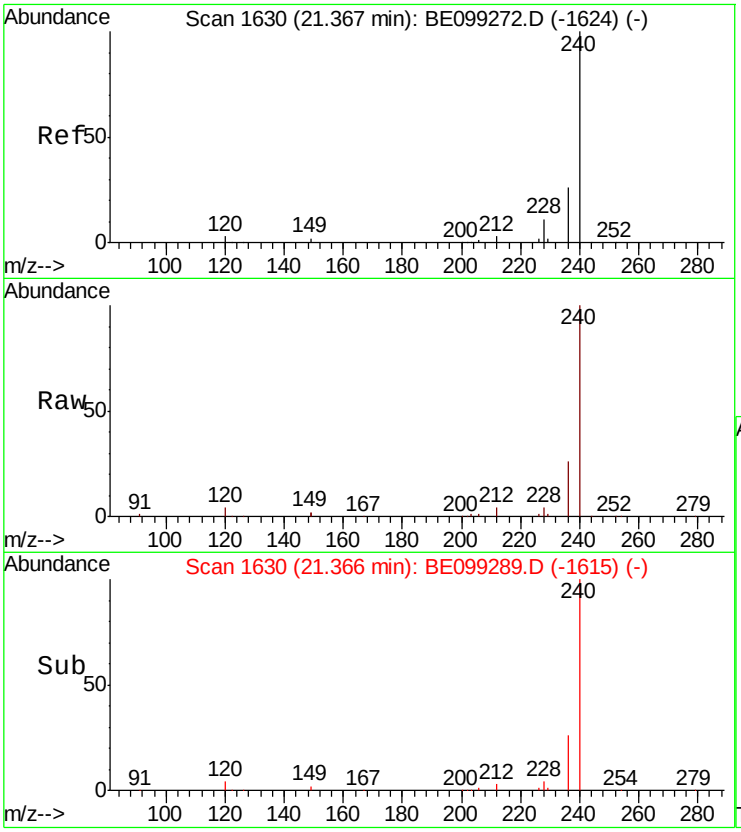


#26
Fluoranthene
Concen: 0.091 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:202 Resp: 8245

Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.4
203	17.6	13.8	20.6



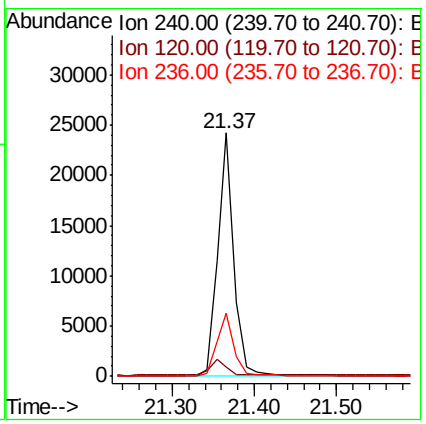


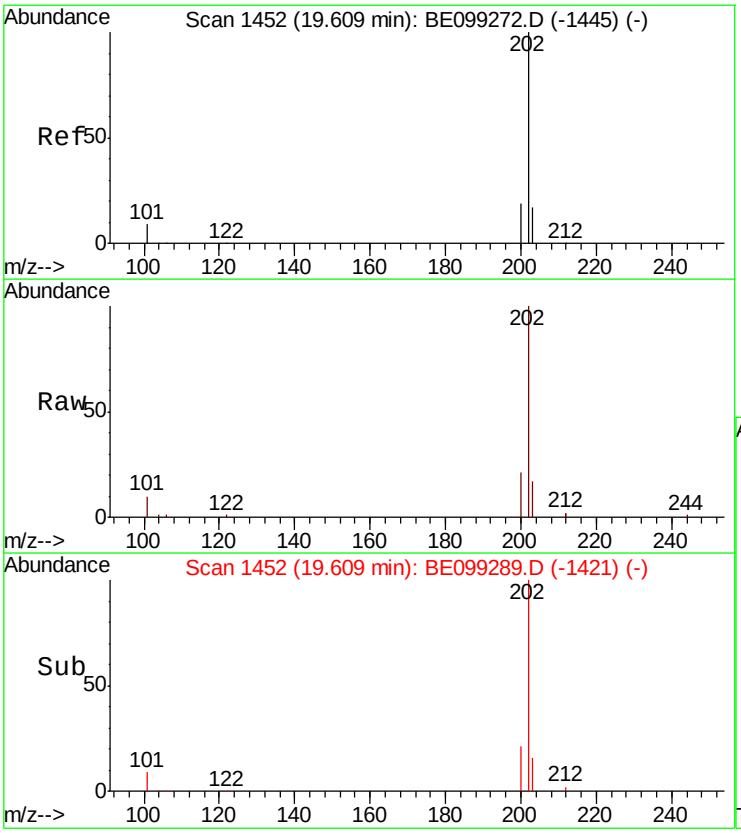
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.02 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:240 Resp: 33039

Ion	Ratio	Lower	Upper
240	100		
120	4.0	2.6	3.8#
236	26.0	20.9	31.3

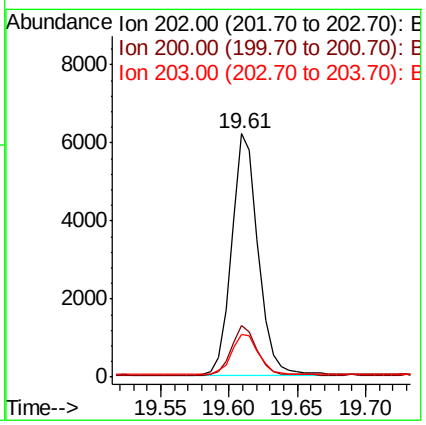


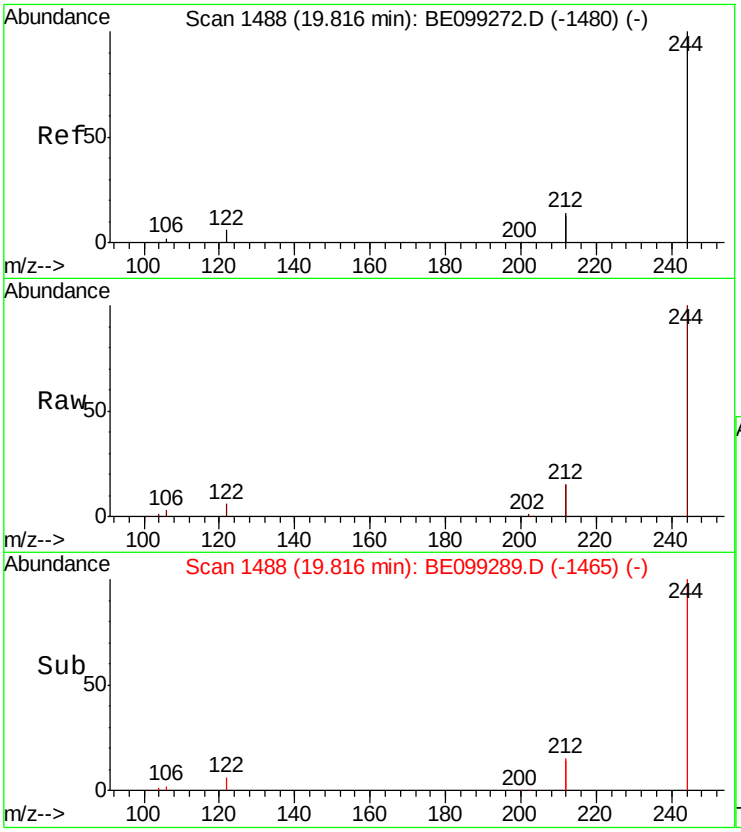


#28
Pyrene
Concen: 0.096 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:202 Resp: 8351

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.8	23.8
203	17.5	14.1	21.1



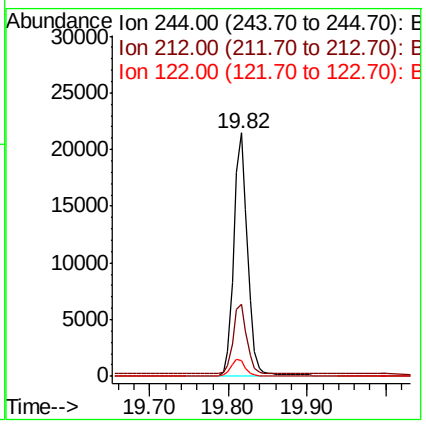


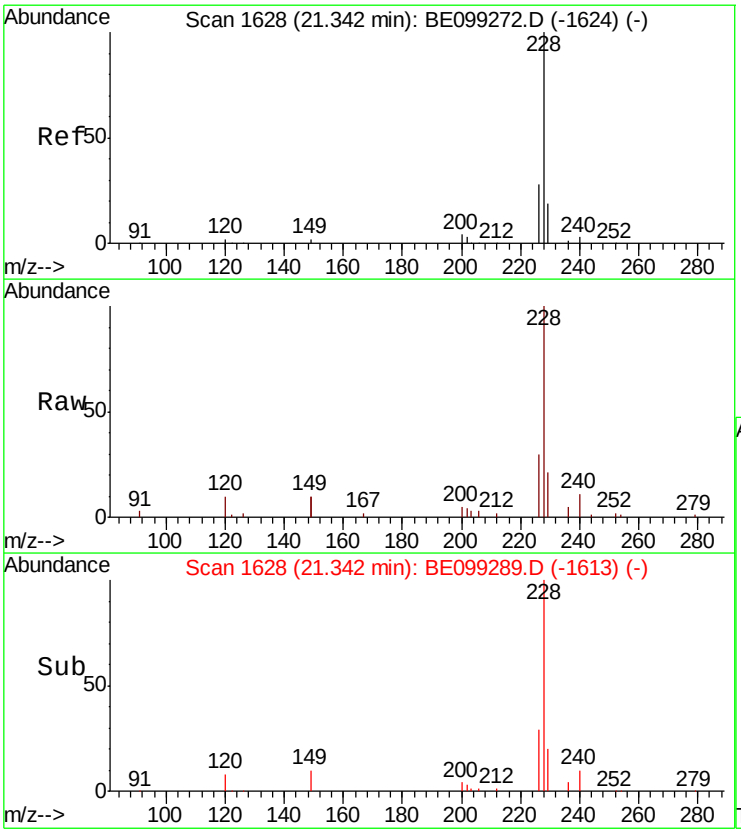
#29
Terphenyl-d14
Concen: 0.434 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.02 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:244 Resp: 26154

Ion	Ratio	Lower	Upper
244	100		
212	29.4	22.7	34.1
122	6.4	5.8	8.6

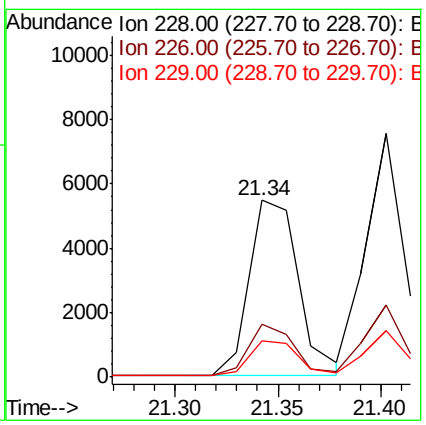


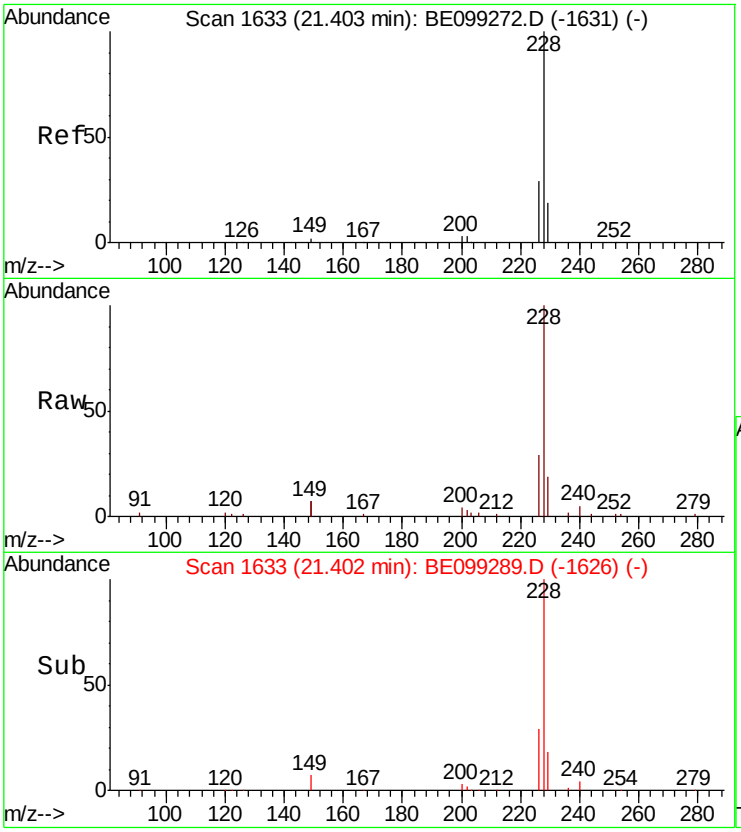


#30
Benzo(a)anthracene
Concen: 0.088 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.02 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:228 Resp: 9178

Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.7	32.5
229	20.8	15.9	23.9



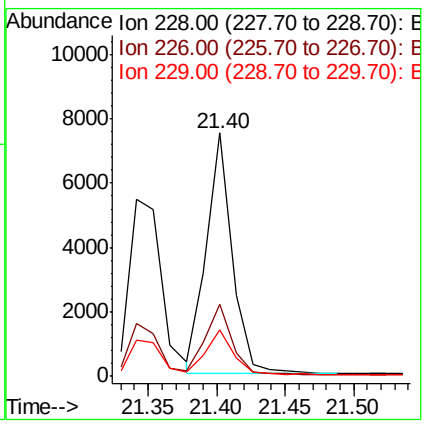


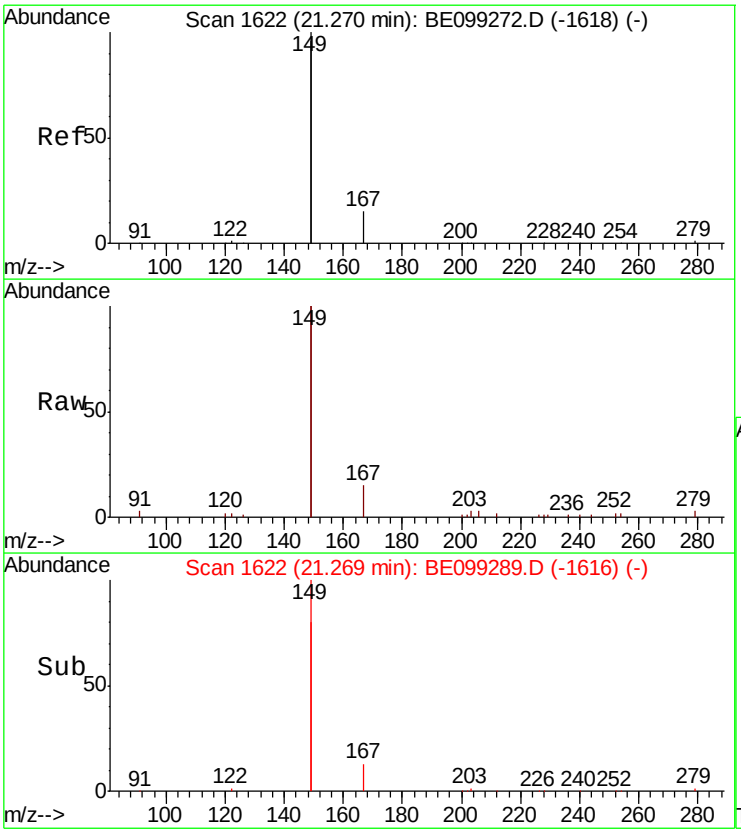
#31
Chrysene
Concen: 0.096 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:228 Resp: 9818

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.8	37.2
229	19.0	15.4	23.0

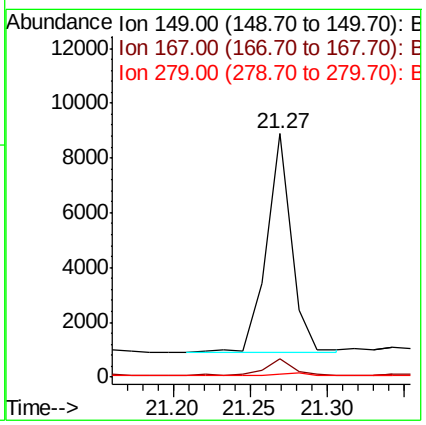


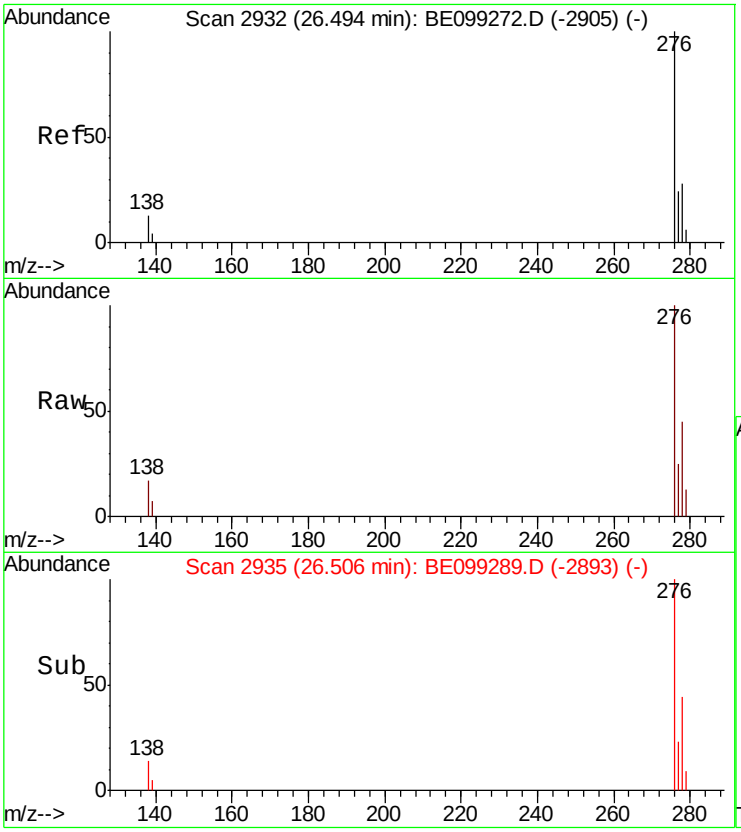


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.068 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.02 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:149 Resp: 9079

Ion	Ratio	Lower	Upper
149	100		
167	7.8	5.9	8.9
279	1.4	1.0	1.6



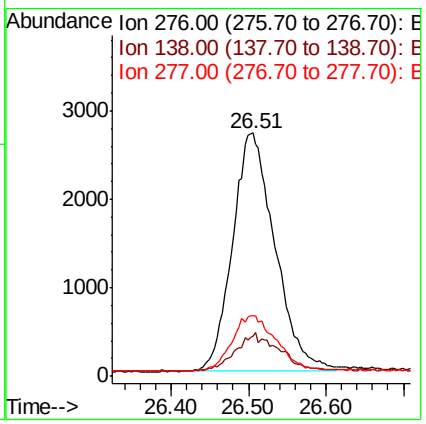


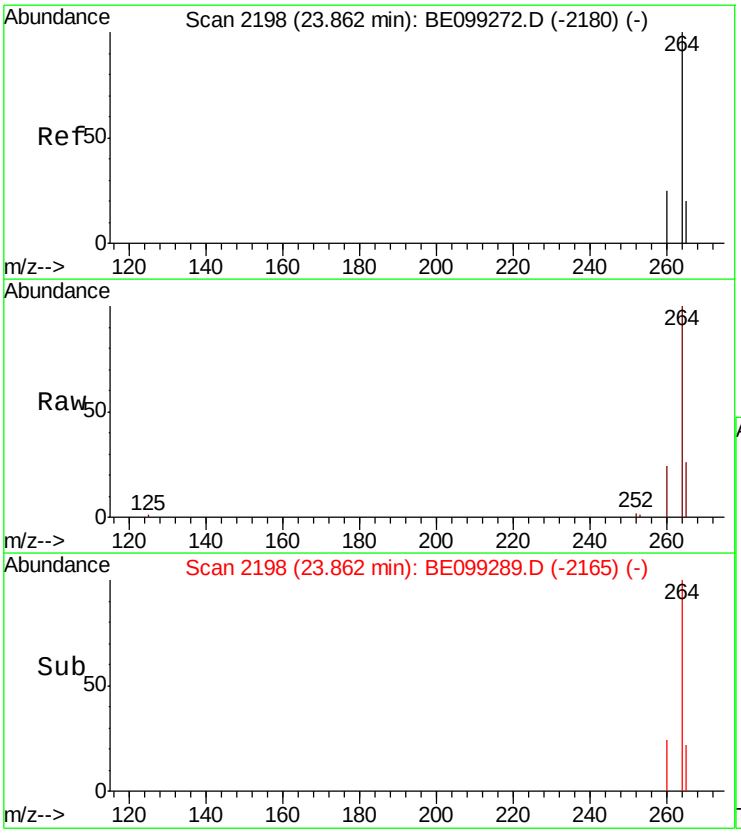
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.088 ng
RT: 26.51 min Scan# 2935
Delta R.T. -0.05 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:276 Resp: 10269

Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.9	19.3
277	24.5	18.3	27.5

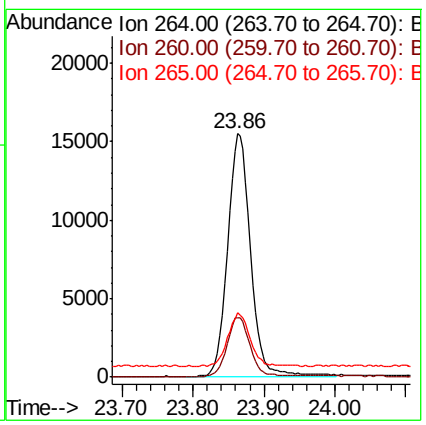


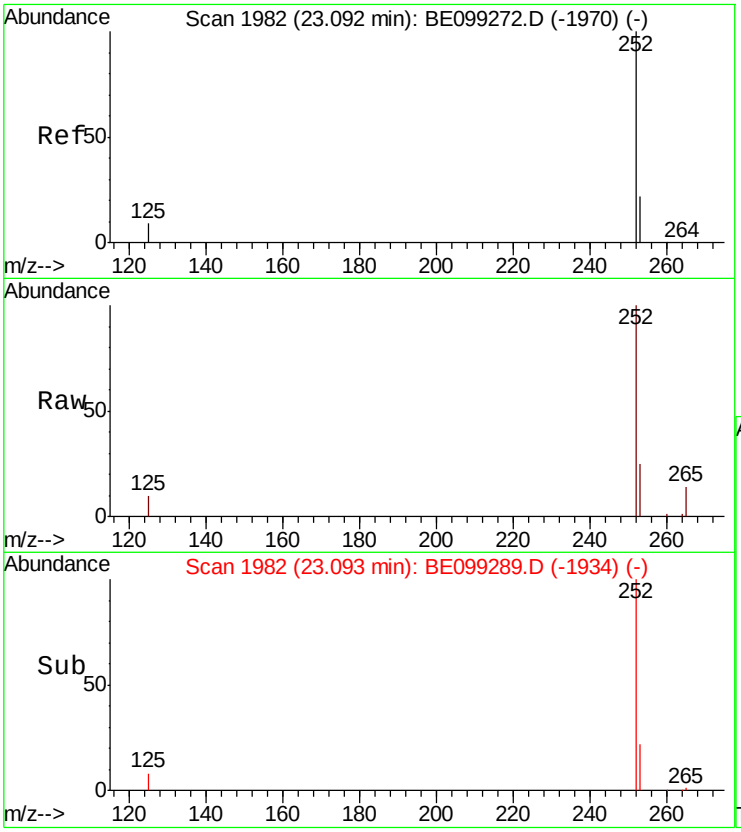


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:264 Resp: 34116

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.2
265	26.2	21.8	32.8



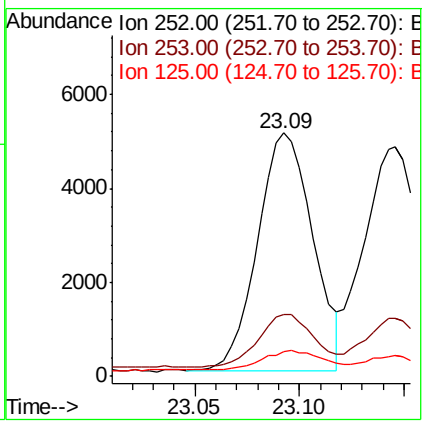


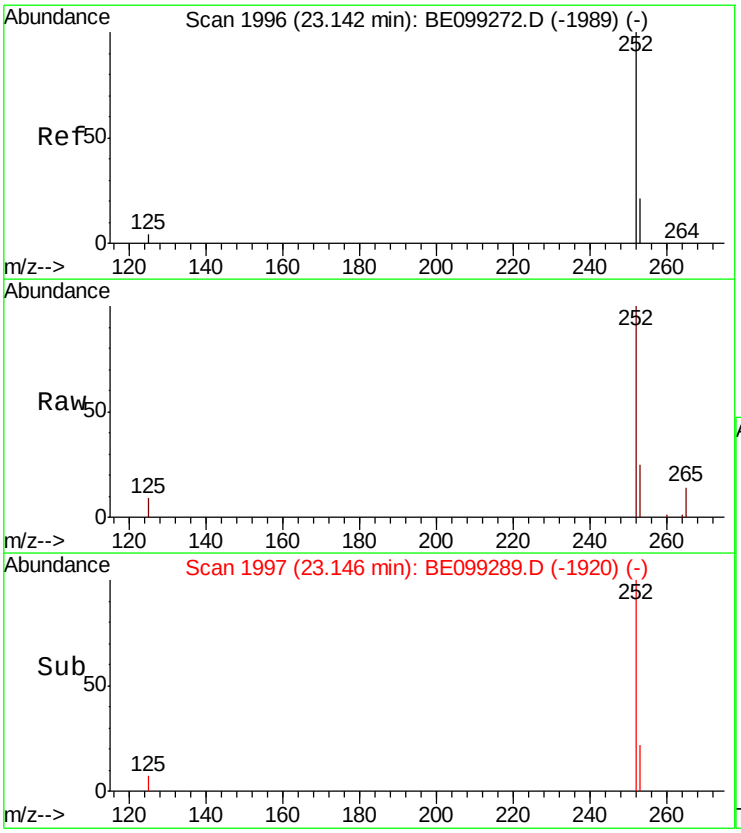
#35
Benzo(b)fluoranthene
Concen: 0.091 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:252 Resp: 9267

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.8
125	10.2	6.1	9.1#

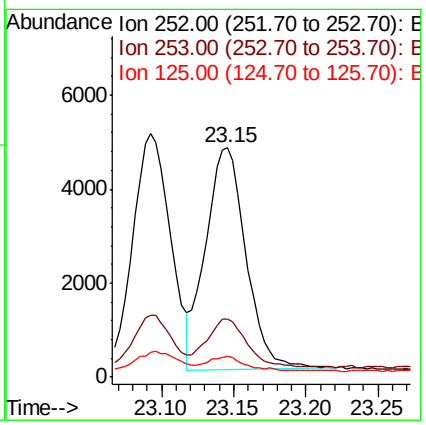


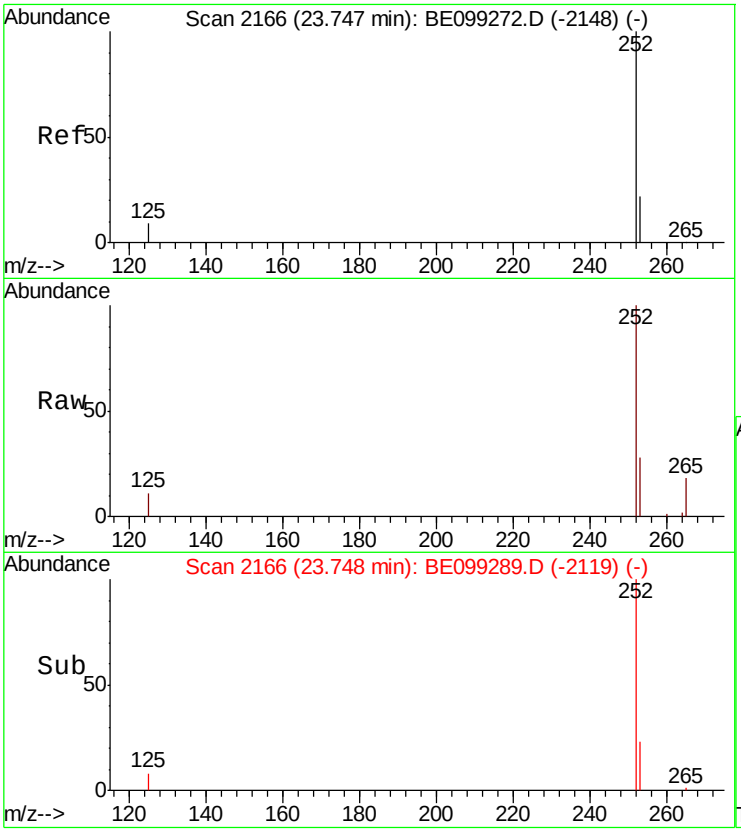


#36
Benzo(k)fluoranthene
Concen: 0.092 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:252 Resp: 9143

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.6
125	9.3	5.9	8.9#



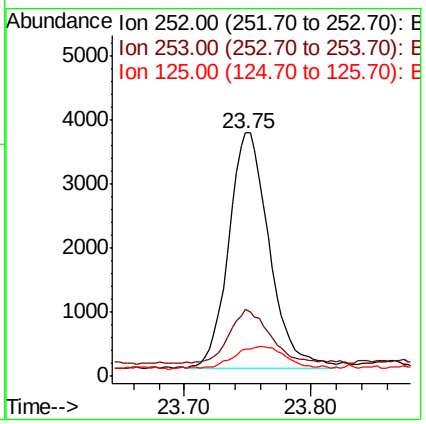


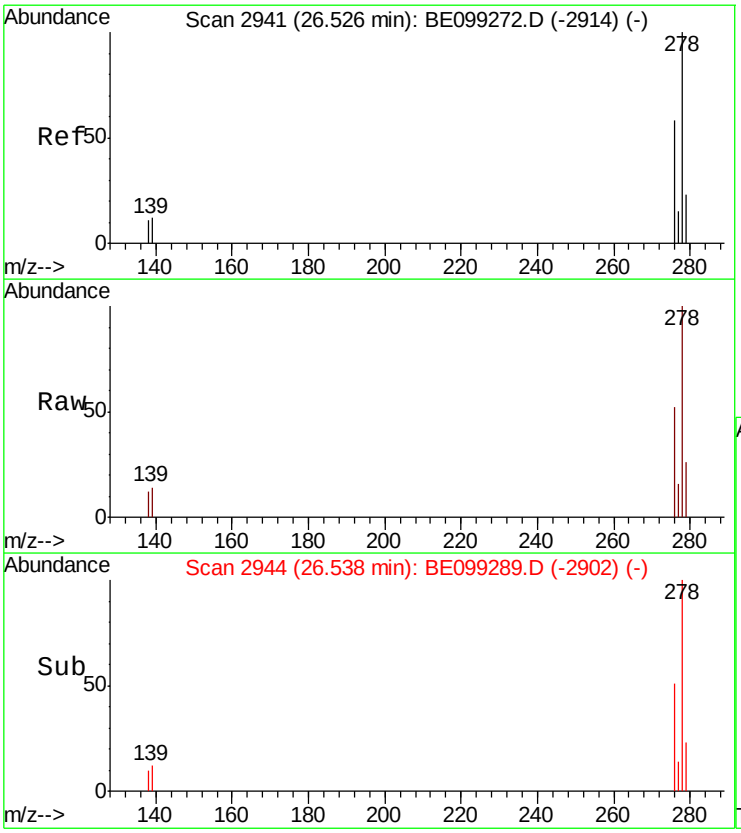
#37
Benzo(a)pyrene
Concen: 0.085 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:252 Resp: 8172

Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.1	27.1#
125	11.5	6.8	10.2#

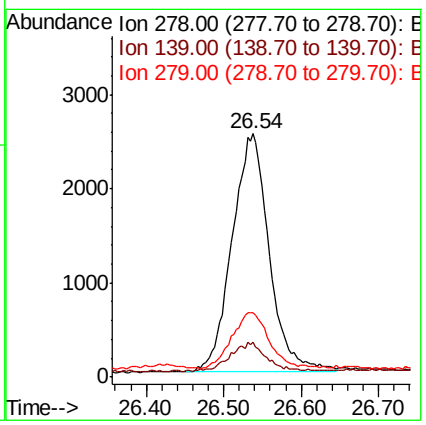


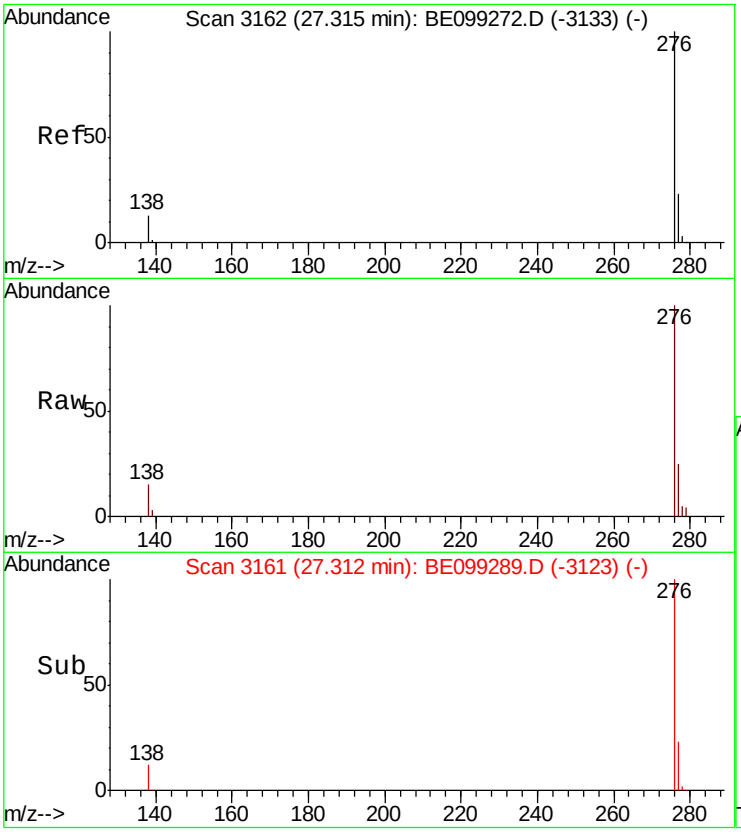


#38
Dibenzo(a,h)anthracene
Concen: 0.088 ng
RT: 26.54 min Scan# 2944
Delta R.T. -0.05 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:278 Resp: 8422

Ion	Ratio	Lower	Upper
278	100		
139	14.3	9.5	14.3
279	26.3	19.1	28.7





#39
Benzo(g,h,i)perylene
Concen: 0.092 ng
RT: 27.31 min Scan# 3161
Delta R.T. -0.06 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:276 Resp: 8725

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.4
138	14.7	11.1	16.7