Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061019\
Data File : BE099895.D
Acq On : 10 Jun 2019 18:08
Operator : JU/SJ
Sample : K2241-01
Misc : LOD-SOIL-0.1PPM
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jun 11 05:57:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	605	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	2131	0.40	ng		0.01
13) Acenaphthene-d10	14.49	164	1798	0.40	ng		0.01
19) Phenanthrene-d10	17.23	188	6040	0.40	ng		0.01
27) Chrysene-d12	21.40	240	7962	0.40	ng		0.00
34) Perylene-d12	23.94	264	9277	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	1407	0.86	ng		0.00
5) Phenol-d6	6.98	99	1727	0.82	ng		0.00
8) Nitrobenzene-d5	8.99	82	1217	0.60	ng		0.03
11) 2-Methylnaphthalene-d10	12.22	152	1438	0.39	ng		0.01
14) 2,4,6-Tribromophenol	15.98	330	929	0.70	ng		0.01
15) 2-Fluorobiphenyl	13.12	172	4594	0.67	ng		0.01
25) Fluoranthene-d10	19.25	212	32213	0.37	ng		0.00
29) Terphenyl-d14	19.85	244	12822	0.89	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	111	0.124	ng	#	77
3) n-Nitrosodimethylamine	3.62	42	35	0.068	ng	#	100
6) bis(2-Chloroethyl)ether	7.23	93	169	0.098	ng		94
9) Naphthalene	10.67	128	2811	0.122	ng	#	91
10) Hexachlorobutadiene	10.93	225	202	0.115	ng		95
12) 2-Methylnaphthalene	12.30	142	435	0.116	ng	#	93
16) Acenaphthylene	14.20	152	974	0.109	ng		99
17) Acenaphthene	14.54	154	523	0.107	ng		97
18) Fluorene	15.53	166	850	0.116	ng		96
20) 4-Bromophenyl-phenylether	16.42	248	363	0.106	ng	#	90
21) Hexachlorobenzene	16.52	284	408	0.117	ng		98
22) Pentachlorophenol	16.95	266	8	0.304	ng		85
23) Phenanthrene	17.27	178	1574	0.107	ng		98
24) Anthracene	17.36	178	1271	0.095	ng		99
26) Fluoranthene	19.28	202	2739	0.110	ng		100
28) Pyrene	19.65	202	2843	0.136	ng		99
30) Benzo(a)anthracene	21.39	228	2506	0.105	ng		96
31) Chrysene	21.45	228	3291	0.134	ng		98
32) Bis(2-ethylhexyl)phthalate	21.31	149	3832	0.112	ng		99
33) Indeno(1,2,3-cd)pyrene	26.63	276	3516	0.121	ng	#	92
35) Benzo(b)fluoranthene	23.16	252	2776	0.107	ng	#	87
36) Benzo(k)fluoranthene	23.21	252	3049	0.112	ng	#	89
37) Benzo(a)pyrene	23.82	252	3111	0.121	ng	#	81
38) Dibenzo(a,h)anthracene	26.66	278	2759	0.107	ng	#	81
39) Benzo(g,h,i)perylene	27.45	276	3106	0.117	ng	#	90

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061019\
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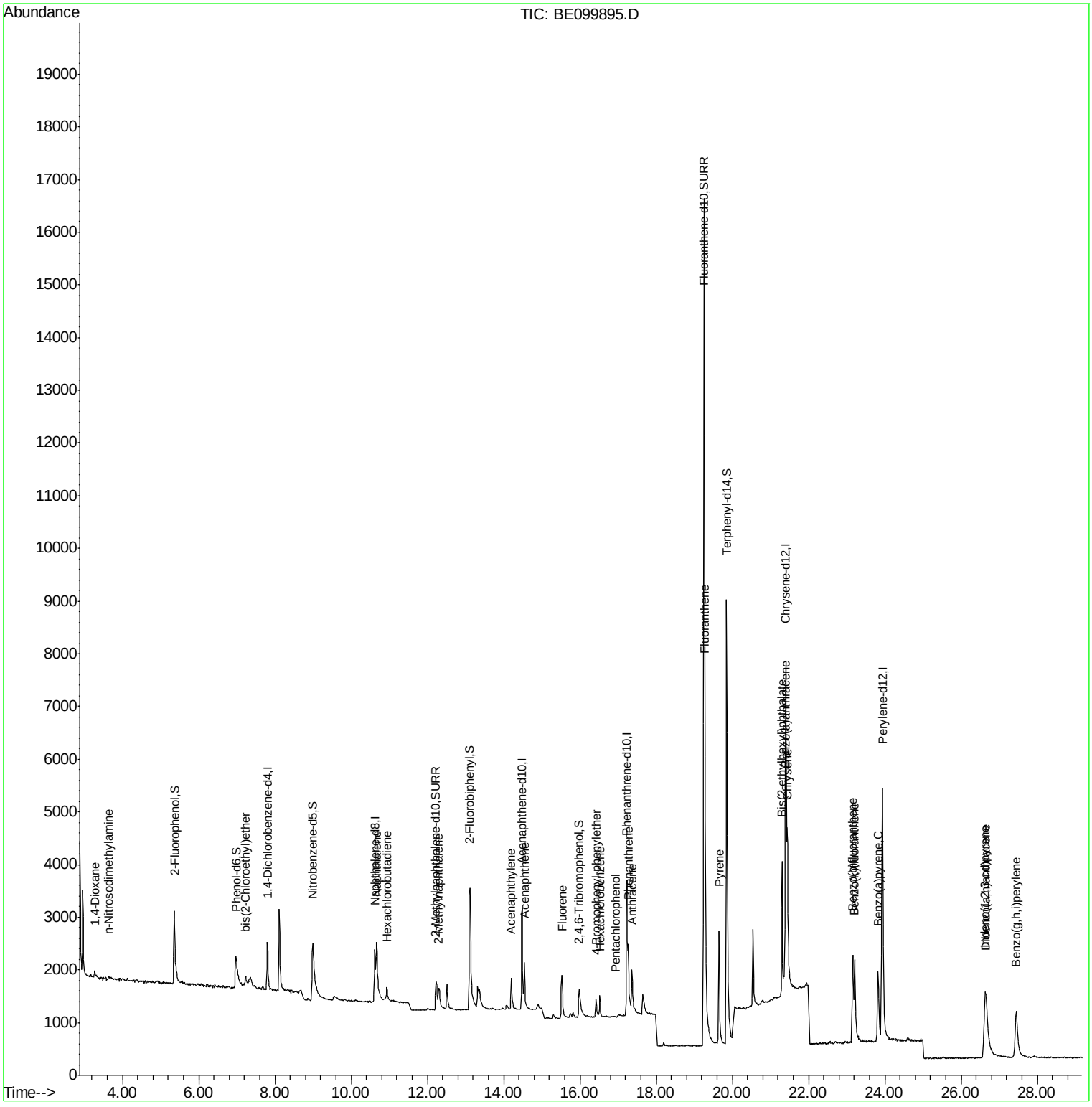
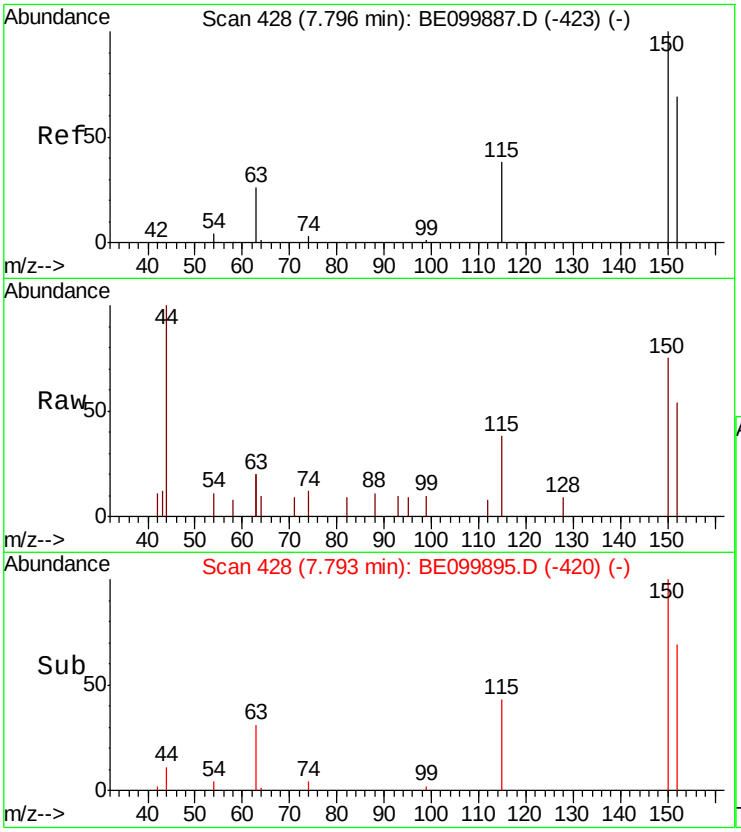
Acq On : 10 Jun 2019 18:08
Operator : JU/SJ
Sample : K2241-01
Misc : LOD-SOIL-0.1PPM
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jun 11 05:57:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration



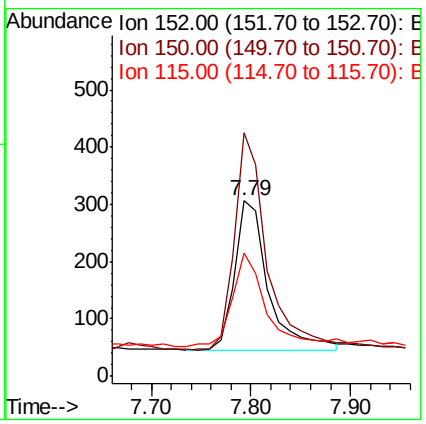


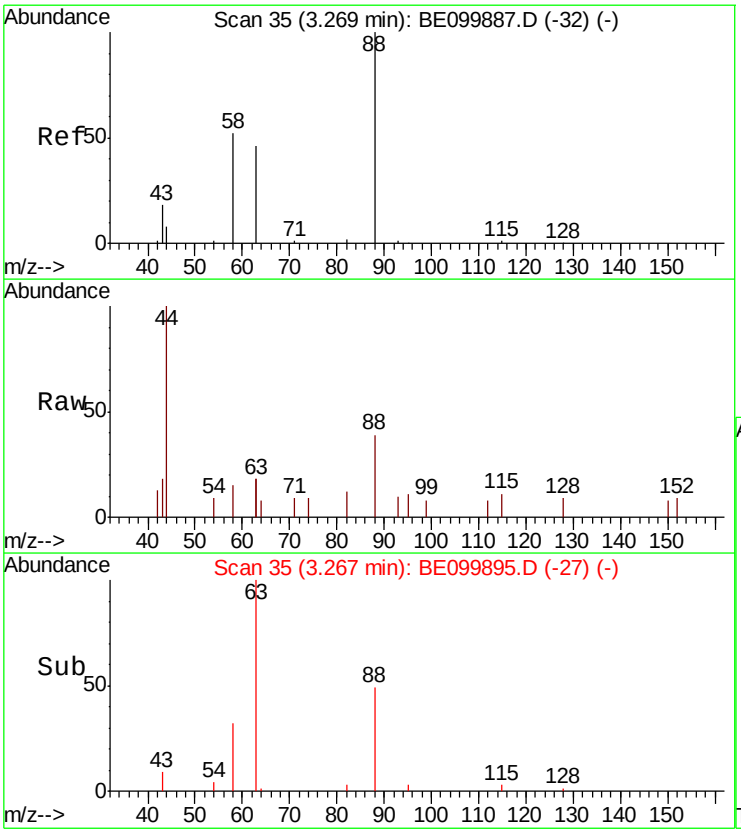
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. -0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:152 Resp: 605

Ion	Ratio	Lower	Upper
152	100		
150	138.9	111.0	166.6
115	69.9	50.7	76.1

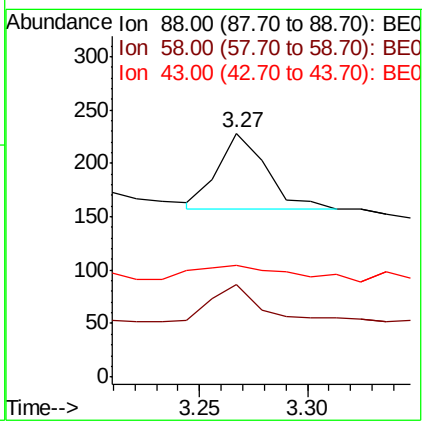


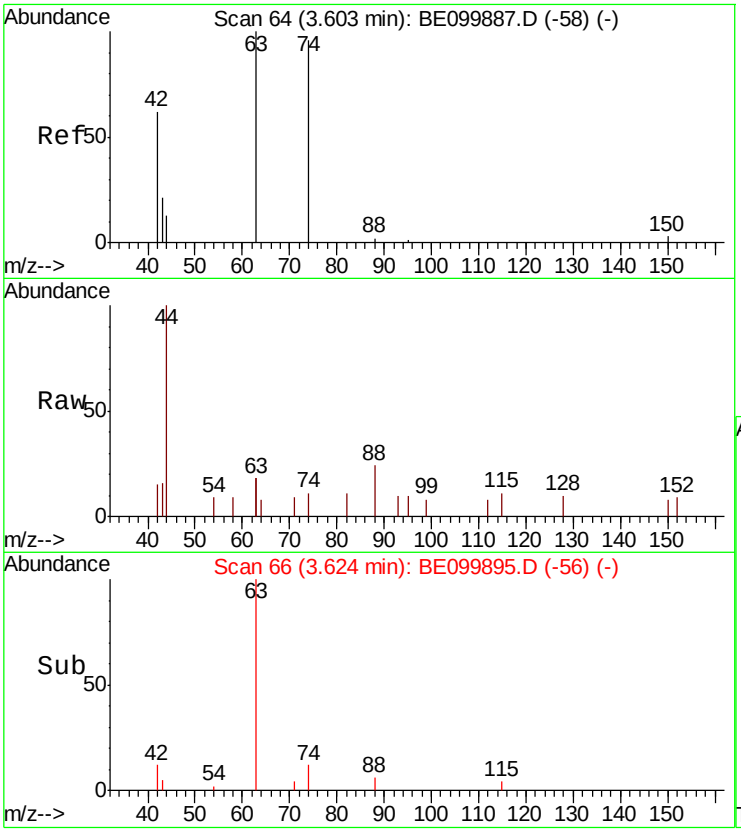


#2
1,4-Dioxane
Concen: 0.124 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion: 88 Resp: 111

Ion	Ratio	Lower	Upper
88	100		
58	49.5	48.8	73.2
43	45.0	19.0	28.6#



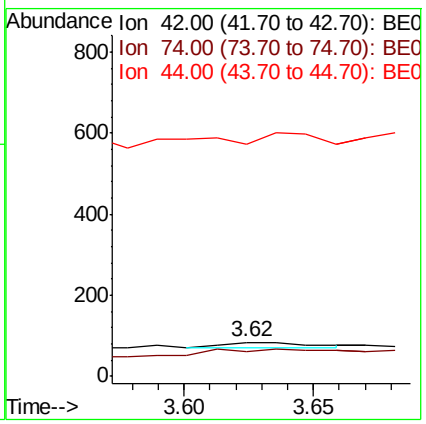


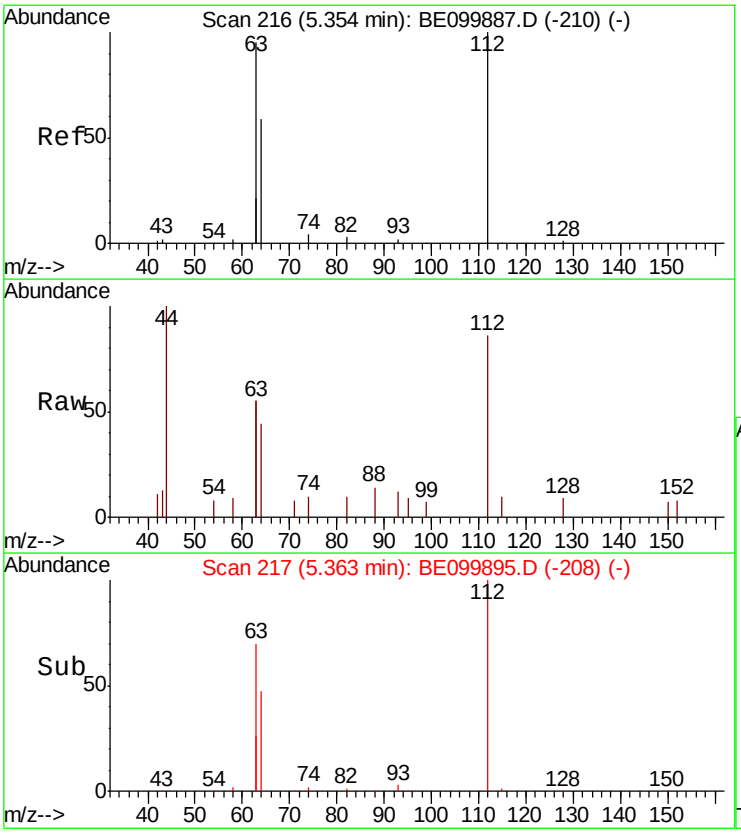
#3
n-Nitrosodimethylamine
Concen: 0.068 ng
RT: 3.62 min Scan# 66
Delta R.T. 0.02 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion: 42 Resp: 35

Ion	Ratio	Lower	Upper
42	100		
74	145.7	0.0	0.0#
44	340.0	0.0	0.0#

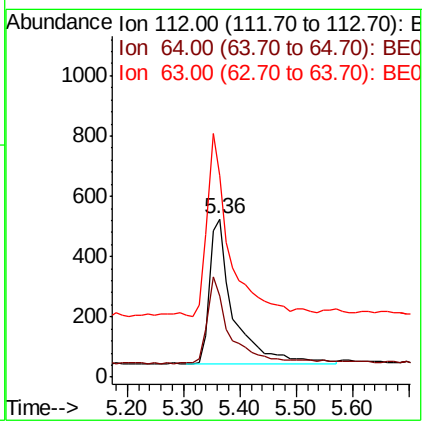


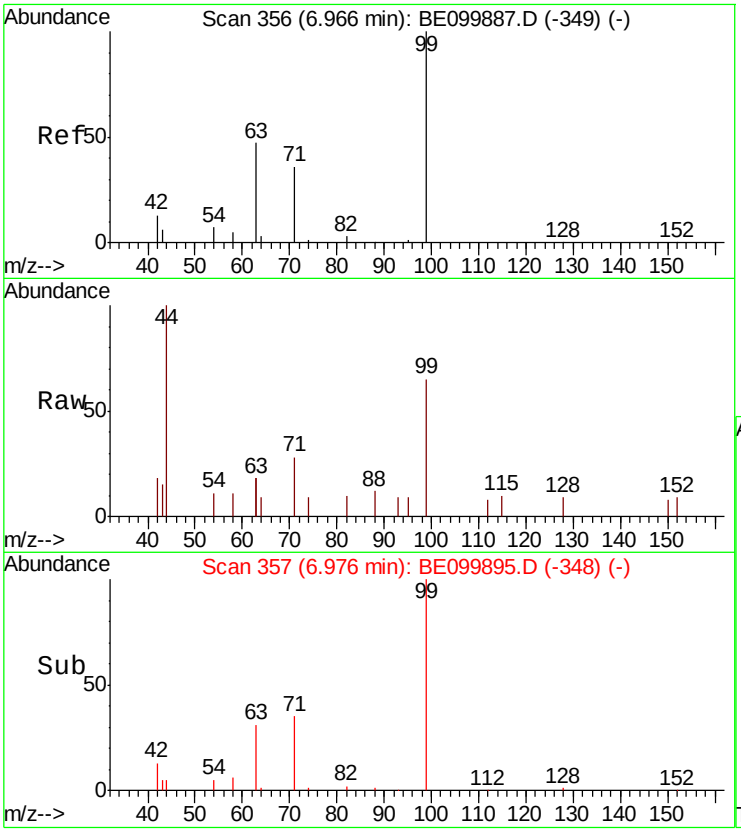


#4
2-Fluorophenol
Concen: 0.861 ng
RT: 5.36 min Scan# 217
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:112 Resp: 1407

Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.1	66.1
63	116.2	87.8	131.6



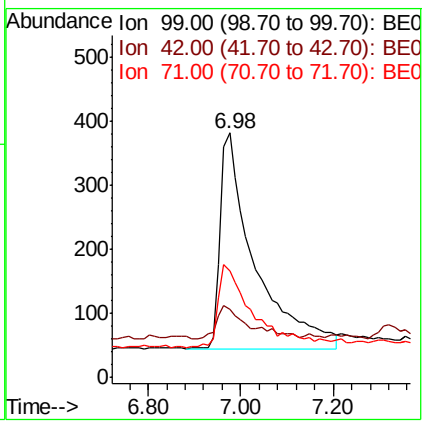


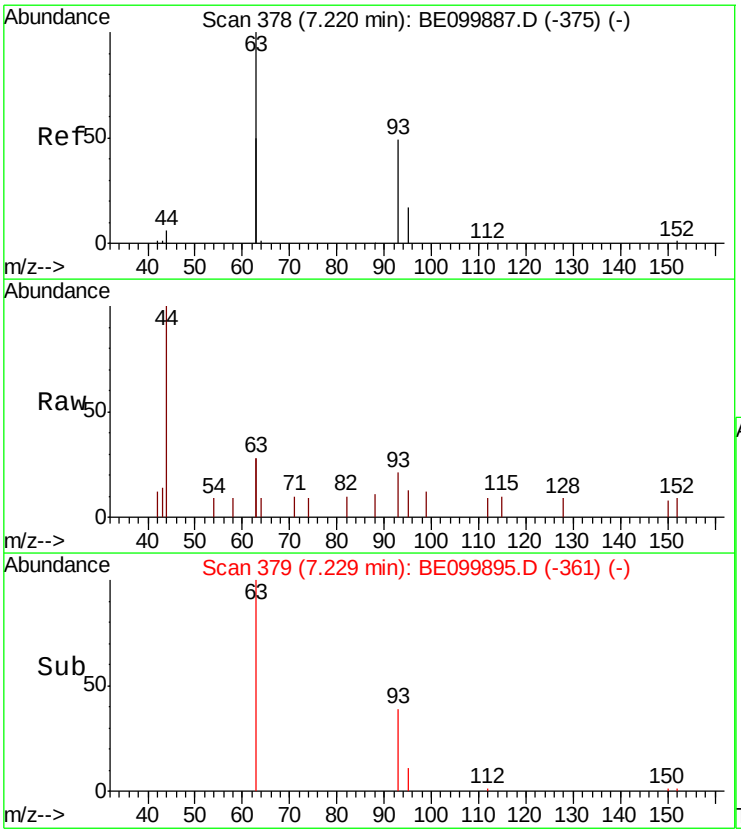
#5
Phenol-d6
Concen: 0.821 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion: 99 Resp: 1727

Ion	Ratio	Lower	Upper
99	100		
42	14.5	15.9	23.9#
71	39.2	34.6	52.0

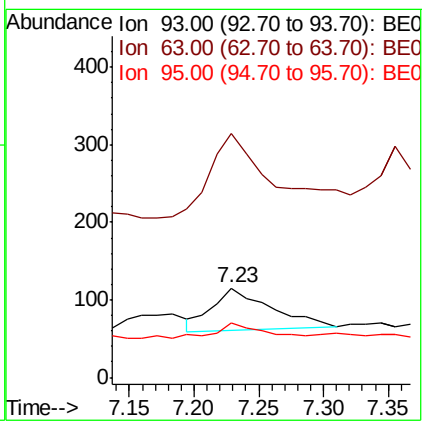


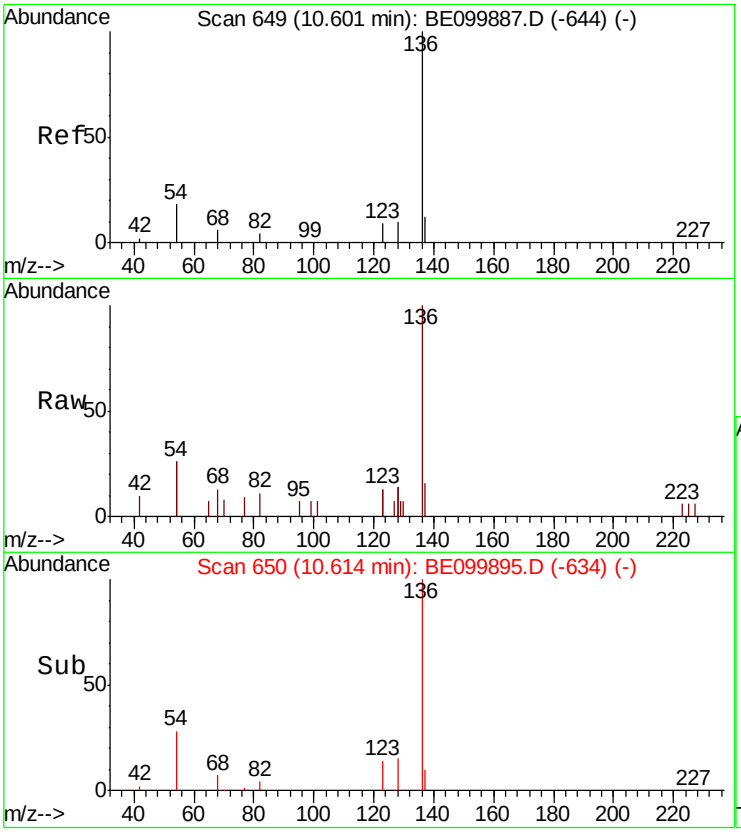


#6
bis(2-Chloroethyl)ether
Concen: 0.098 ng
RT: 7.23 min Scan# 379
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion: 93 Resp: 169

Ion	Ratio	Lower	Upper
93	100		
63	242.0	202.8	304.2
95	32.5	23.7	35.5



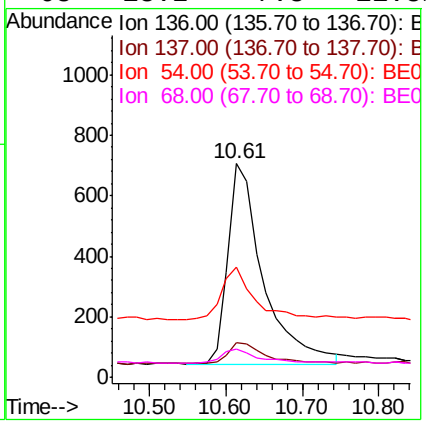


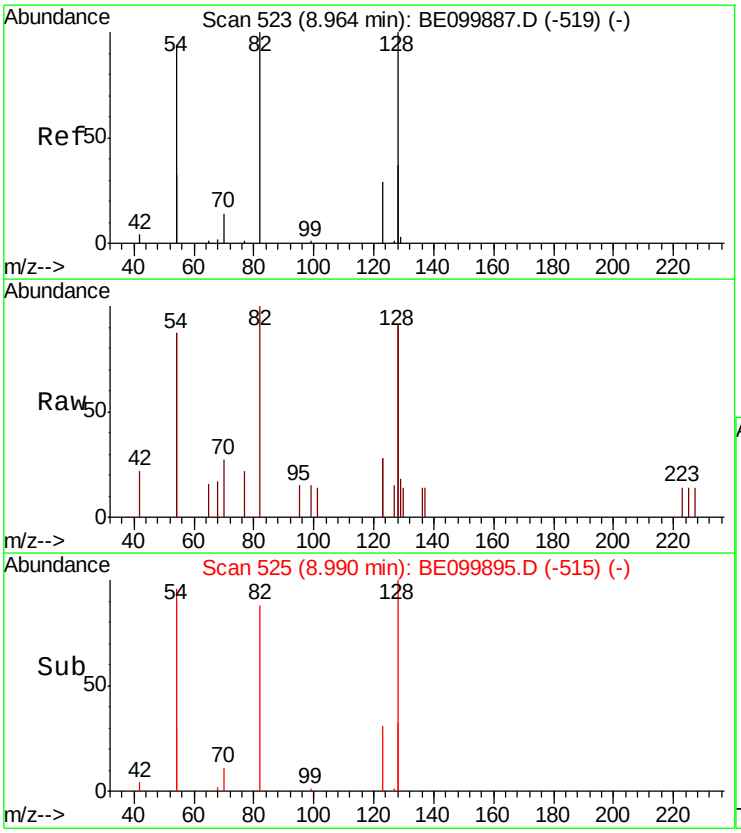
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:136 Resp: 2131

Ion	Ratio	Lower	Upper
136	100		
137	16.0	12.3	18.5
54	51.8	28.2	42.4#
68	13.2	7.8	11.8#

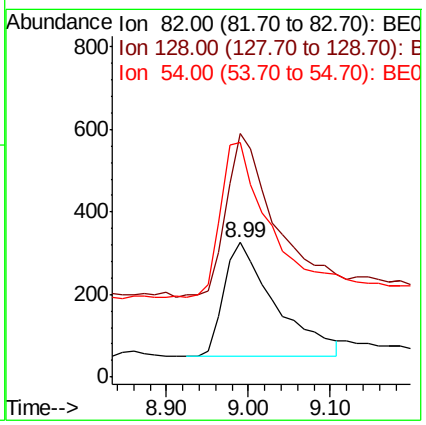


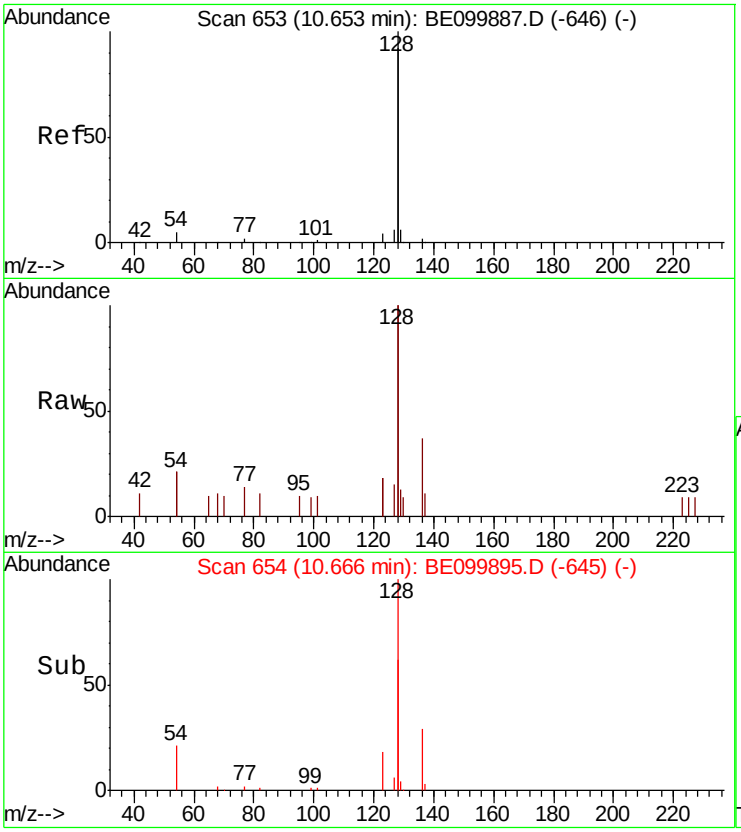


#8
Nitrobenzene-d5
Concen: 0.603 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.03 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion: 82 Resp: 1217

Ion	Ratio	Lower	Upper
82	100		
128	181.5	137.3	205.9
54	174.8	129.7	194.5



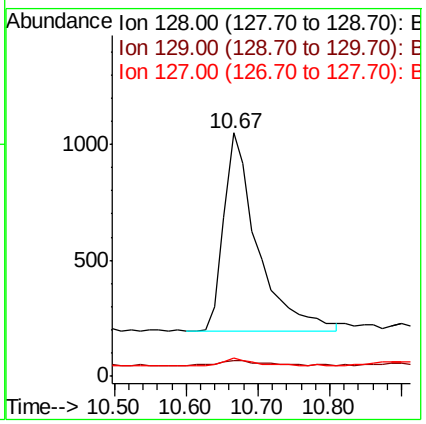


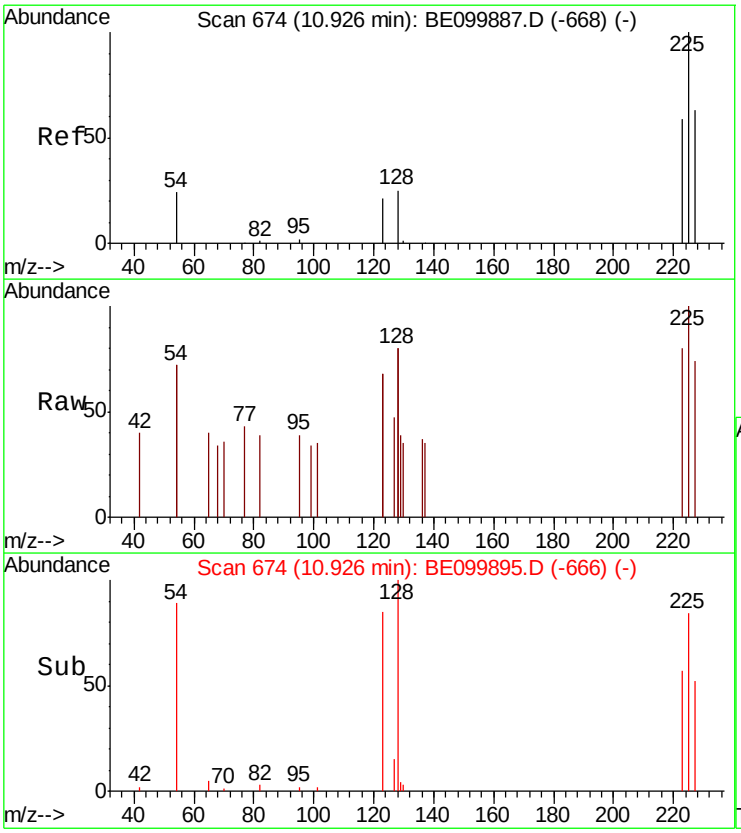
#9
Naphthalene
Concen: 0.122 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:128 Resp: 2811

Ion	Ratio	Lower	Upper
128	100		
129	6.7	3.0	4.6#
127	7.5	3.4	5.0#

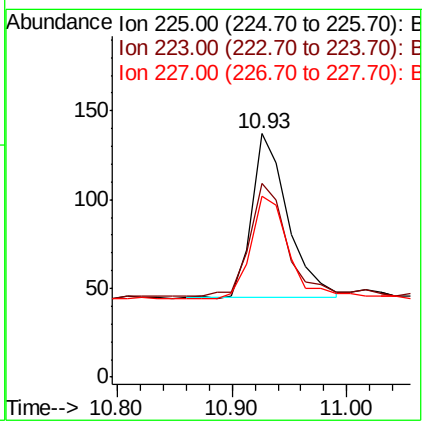


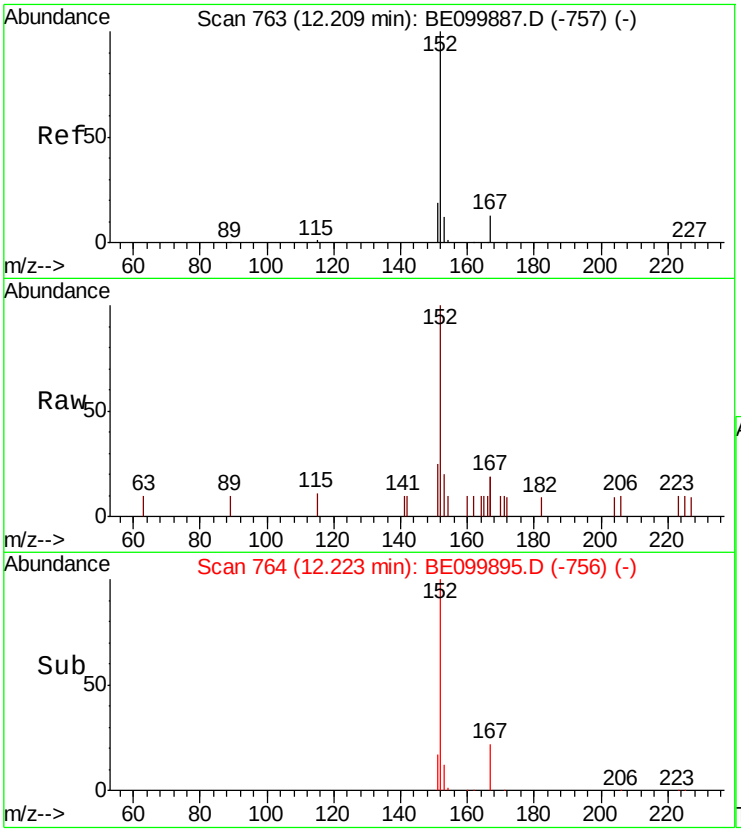


#10
Hexachlorobutadiene
Concen: 0.115 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:225 Resp: 202

Ion	Ratio	Lower	Upper
225	100		
223	69.3	51.6	77.4
227	66.3	50.6	76.0



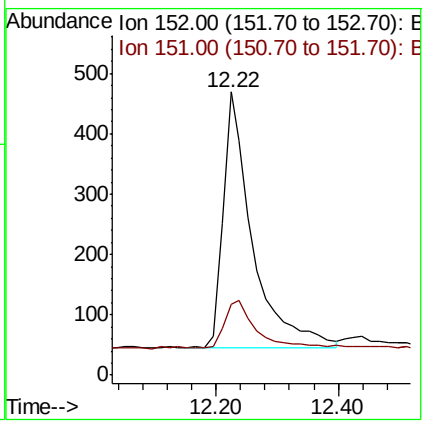


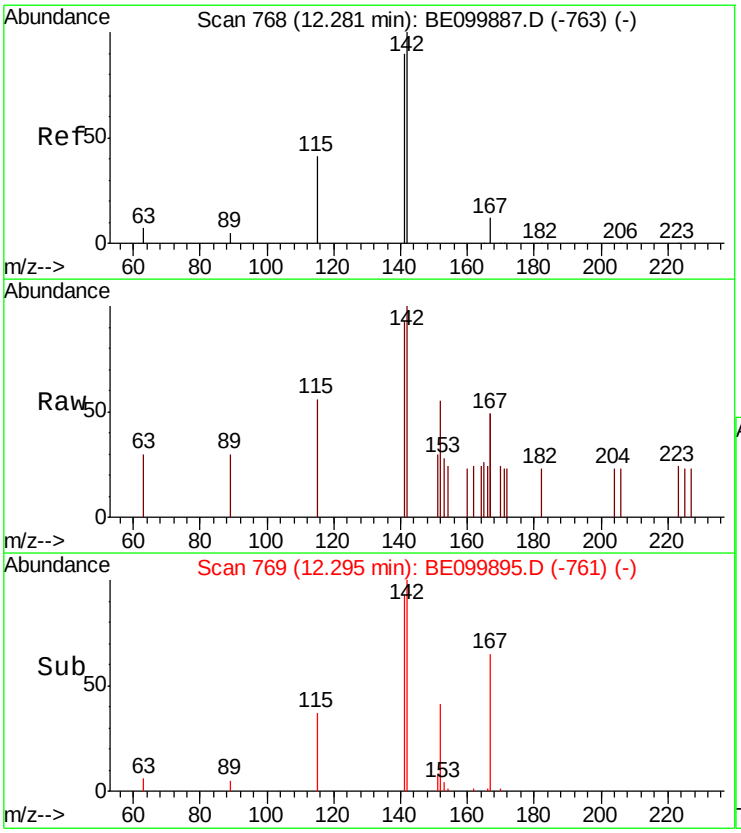
#11
2-Methylnaphthalene-d10
Concen: 0.387 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:152 Resp: 1438

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.2	22.8

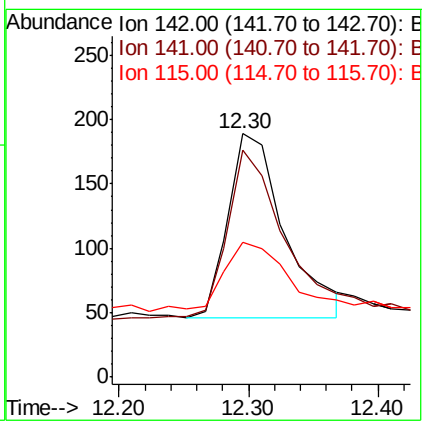


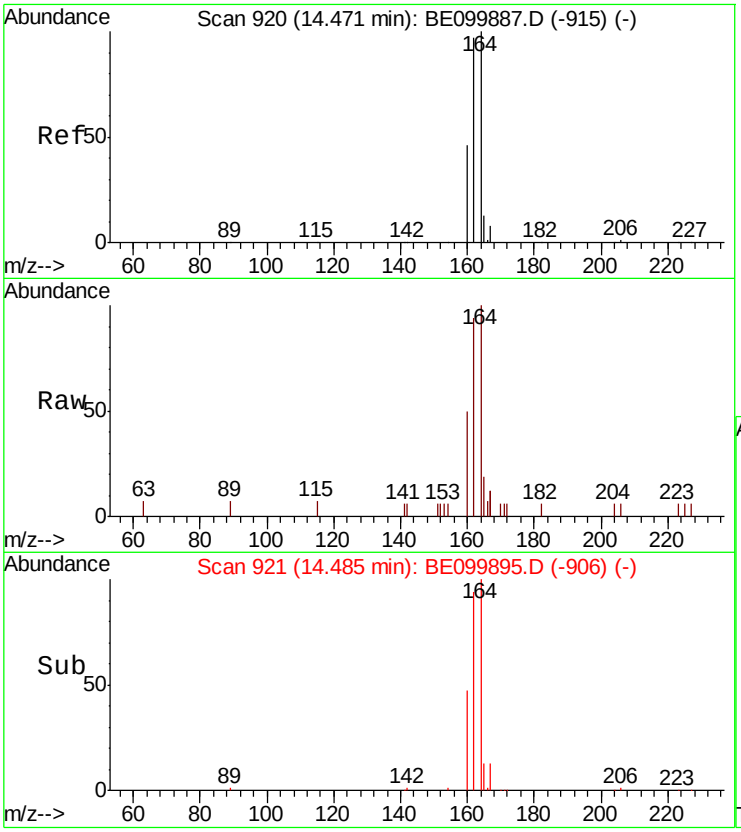


#12
2-Methylnaphthalene
Concen: 0.116 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:142 Resp: 435

Ion	Ratio	Lower	Upper
142	100		
141	93.1	72.3	108.5
115	55.6	36.4	54.6#



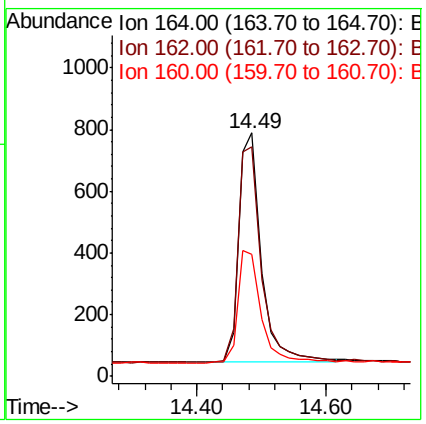


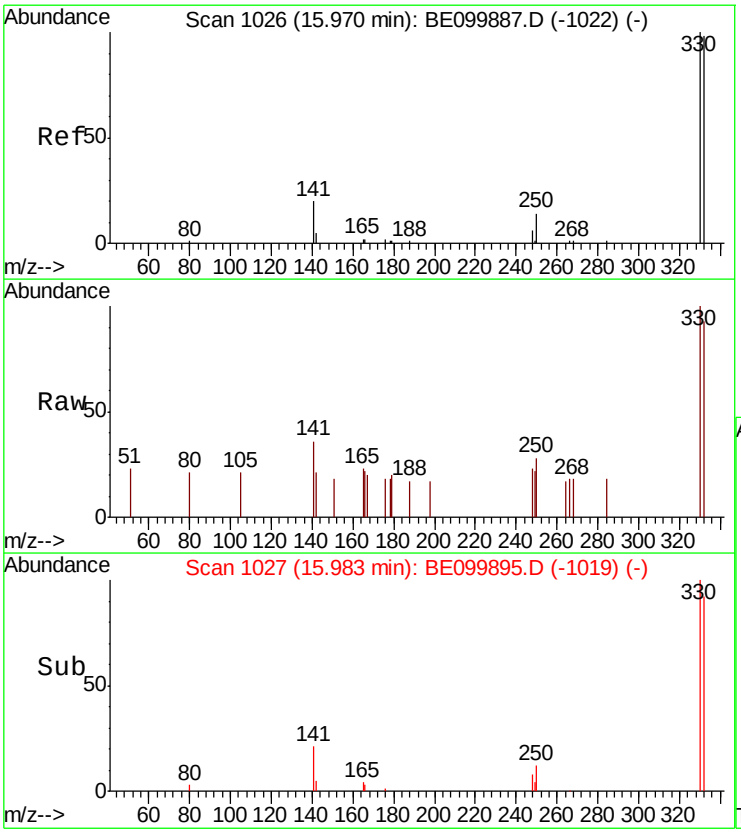
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:164 Resp: 1798

Ion	Ratio	Lower	Upper
164	100		
162	94.4	77.8	116.8
160	50.2	38.2	57.4

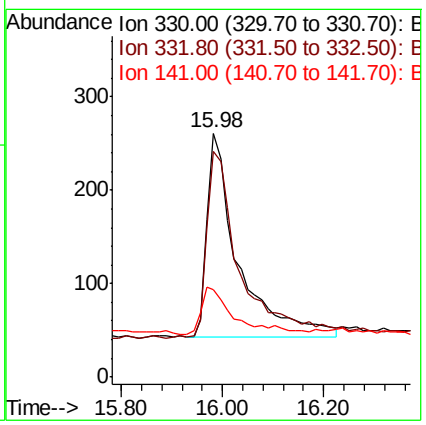


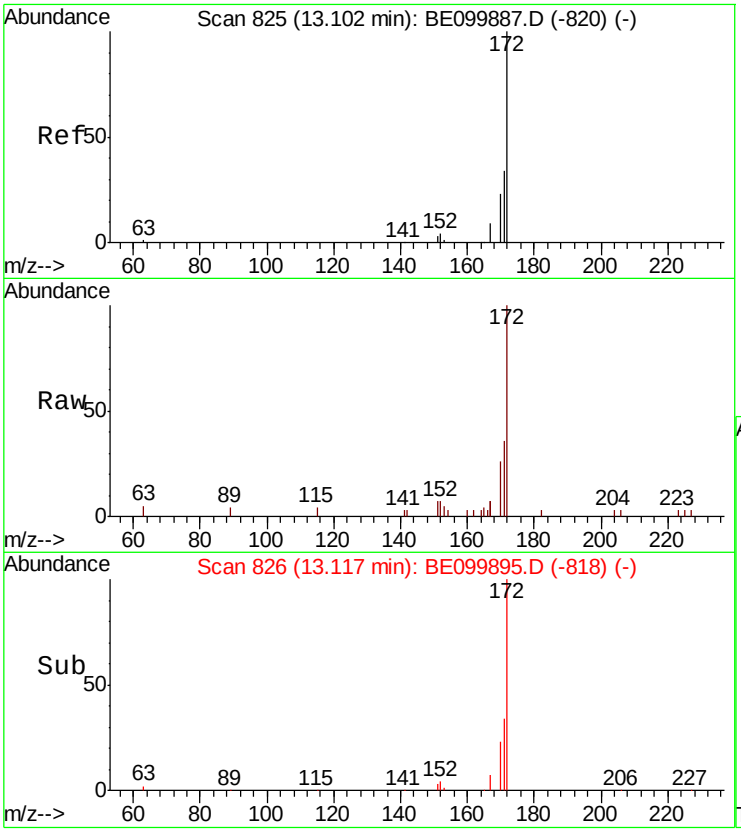


#14
2,4,6-Tribromophenol
Concen: 0.699 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:330 Resp: 929

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.7	115.1
141	24.2	21.0	31.6



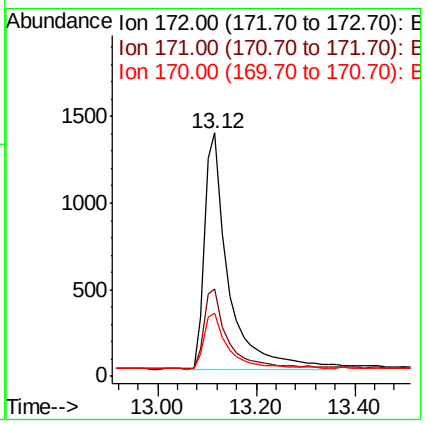


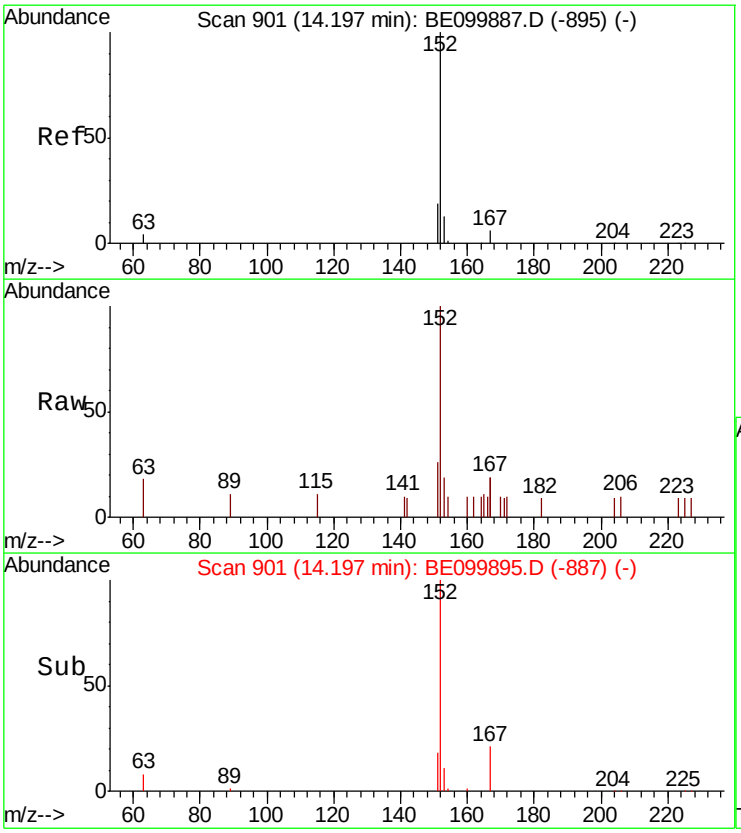
#15
2-Fluorobiphenyl
Concen: 0.674 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:172 Resp: 4594

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	25.8	21.2	31.8

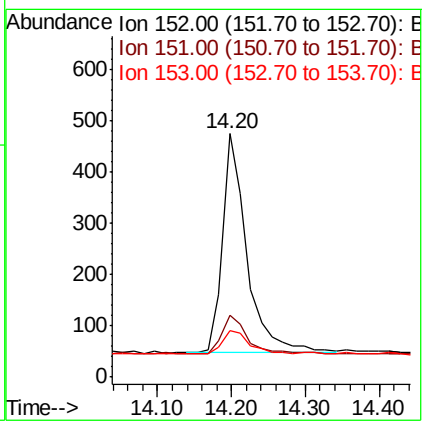


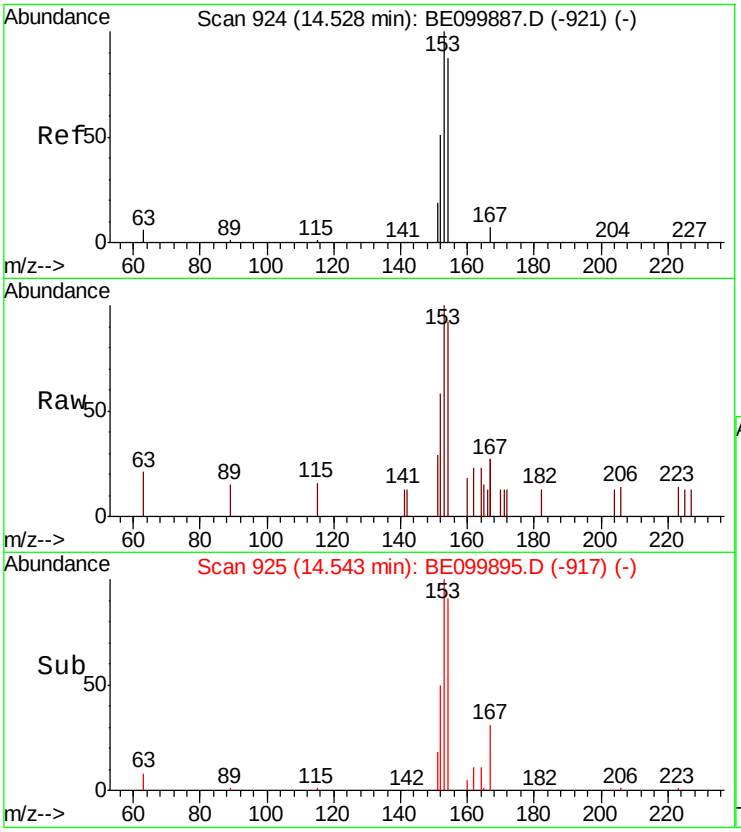


#16
Acenaphthylene
Concen: 0.109 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:152 Resp: 974

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	12.7	10.2	15.2



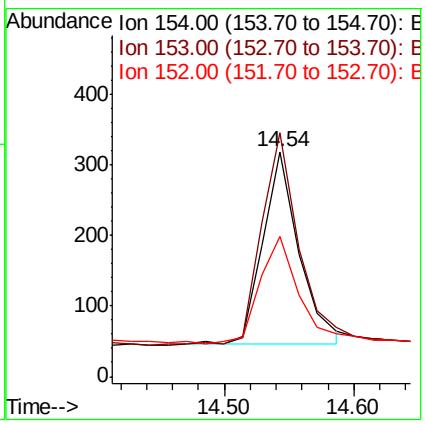


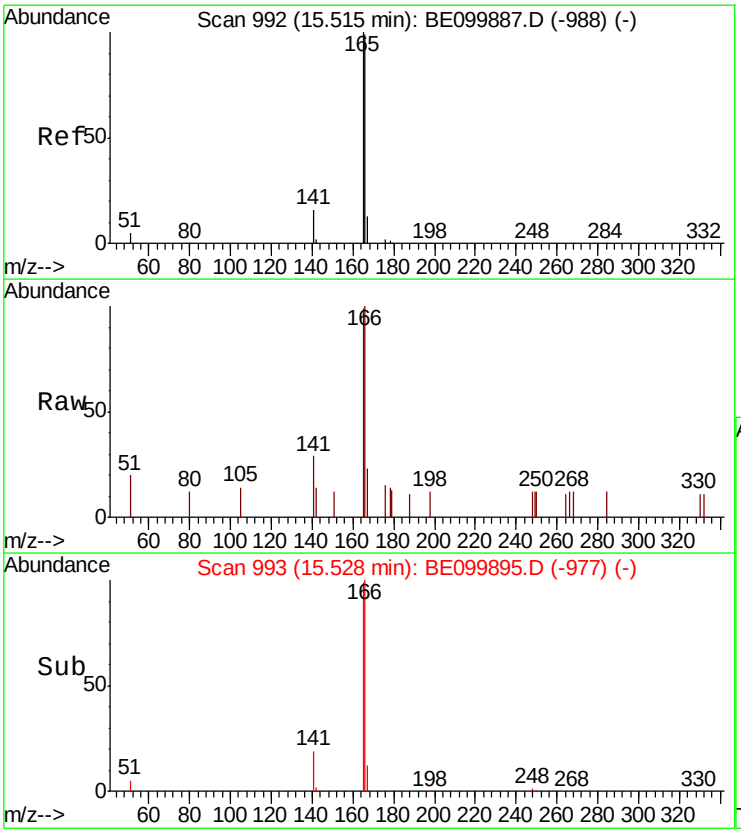
#17
Acenaphthene
Concen: 0.107 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:154 Resp: 523

Ion	Ratio	Lower	Upper
154	100		
153	112.8	93.1	139.7
152	60.2	47.0	70.4

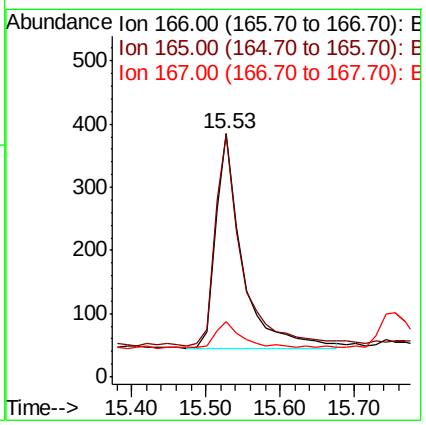


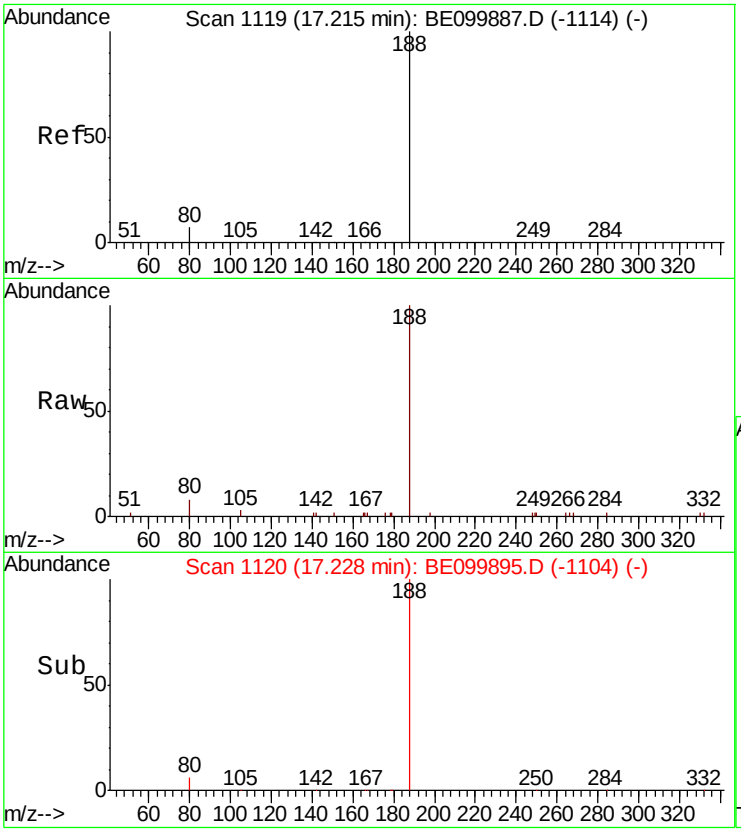


#18
Fluorene
Concen: 0.116 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:166 Resp: 850

Ion	Ratio	Lower	Upper
166	100		
165	98.2	81.8	122.8
167	14.7	11.2	16.8



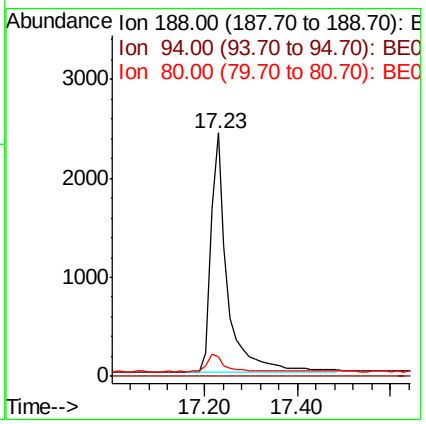


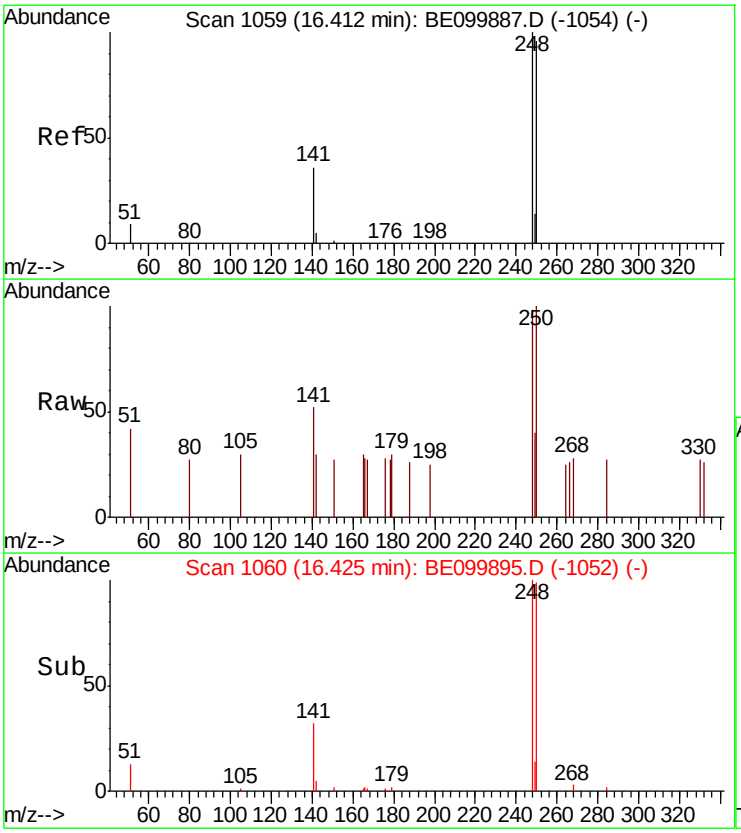
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:188 Resp: 6040

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	6.4	9.6

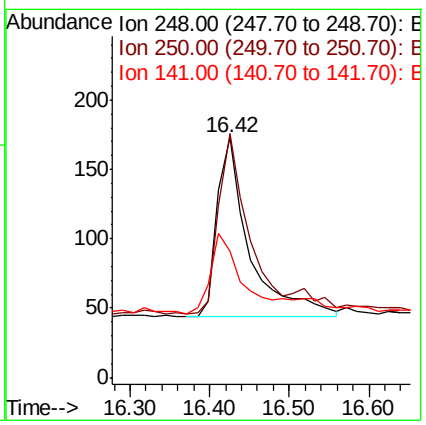


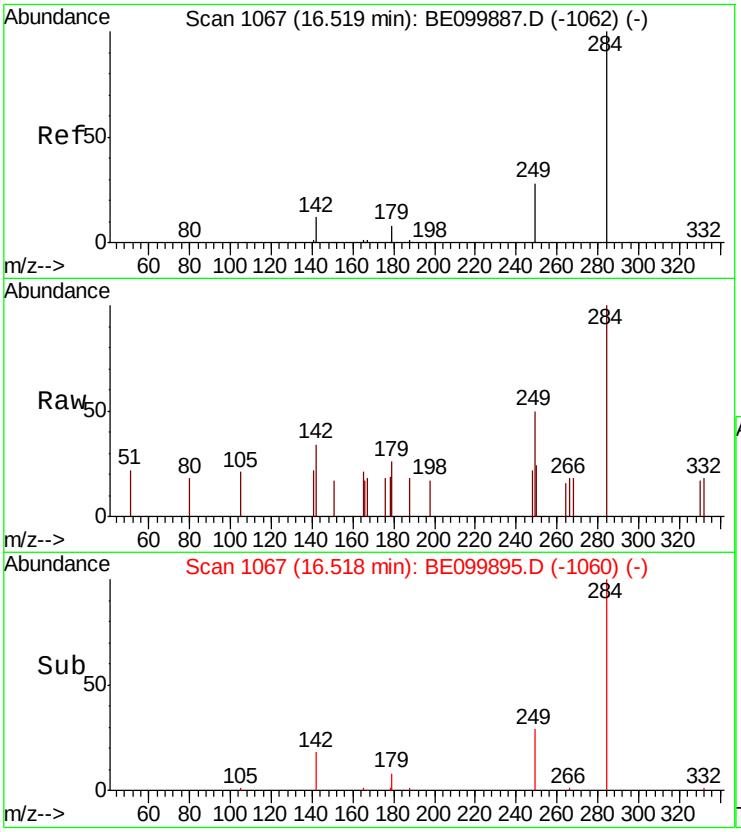


#20
4-Bromophenyl-phenylether
Concen: 0.106 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:248 Resp: 363

Ion	Ratio	Lower	Upper
248	100		
250	101.7	77.5	116.3
141	52.6	31.8	47.8#



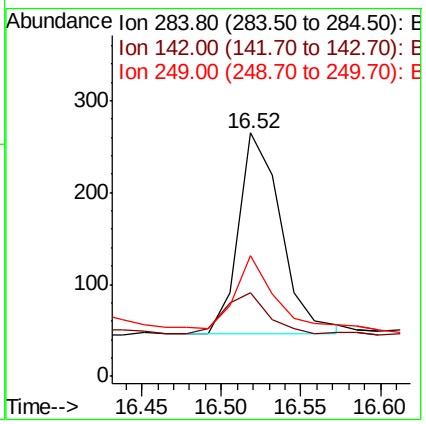


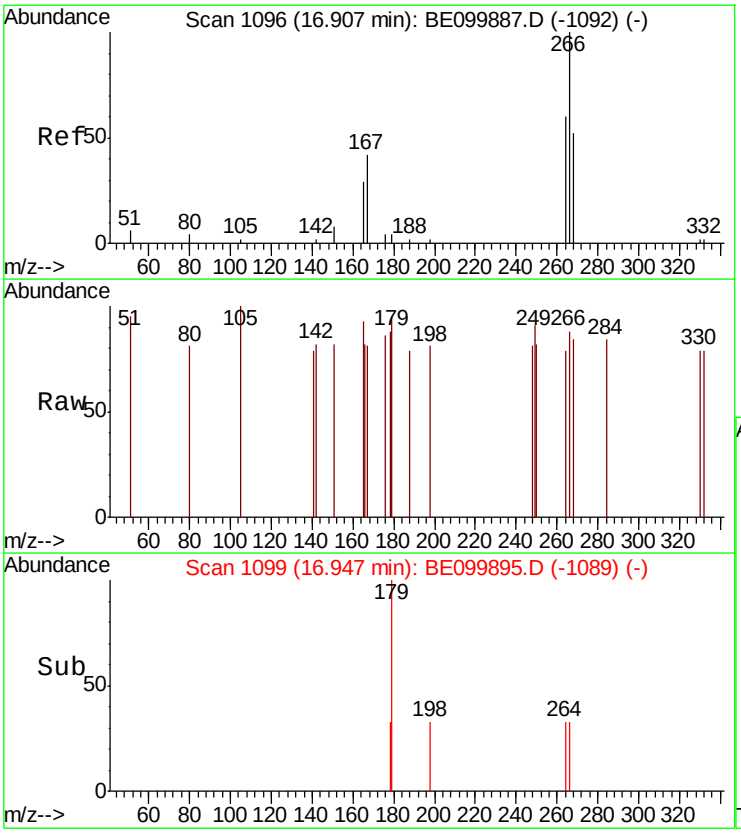
#21
Hexachlorobenzene
Concen: 0.117 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:284 Resp: 408

Ion	Ratio	Lower	Upper
284	100		
142	21.6	18.2	27.4
249	30.4	24.6	37.0

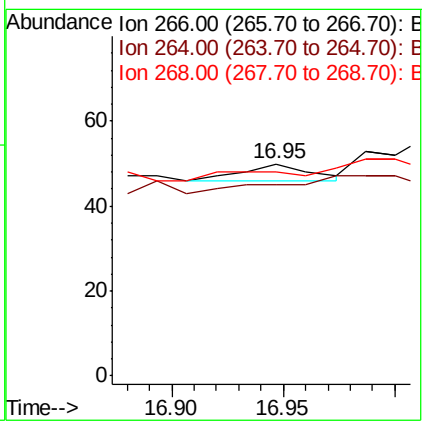


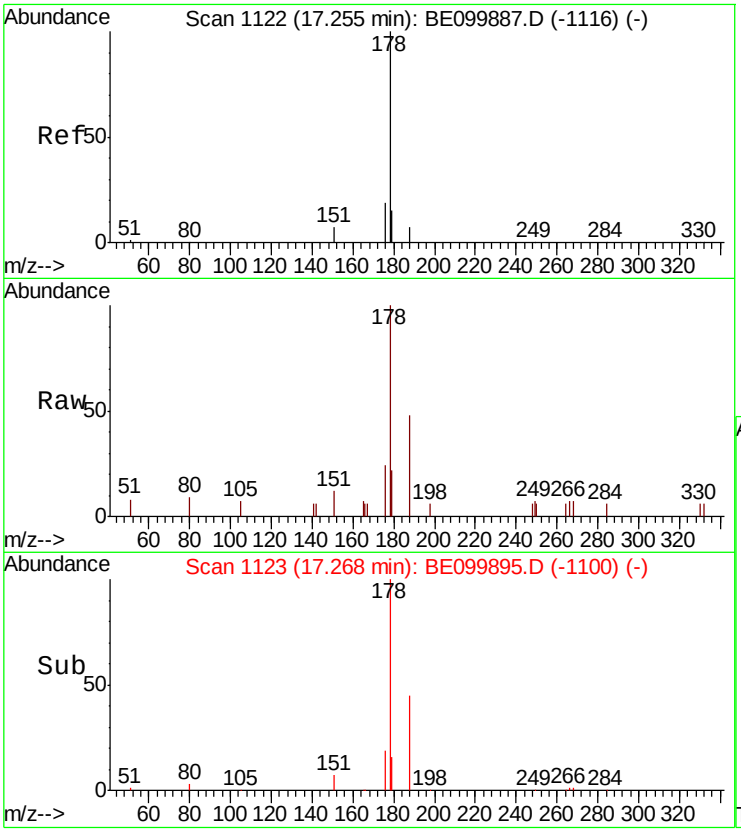


#22
Pentachlorophenol
Concen: 0.304 ng
RT: 16.95 min Scan# 1099
Delta R.T. 0.04 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:266 Resp: 8

Ion	Ratio	Lower	Upper
266	100		
264	90.0	62.2	93.2
268	96.0	65.5	98.3



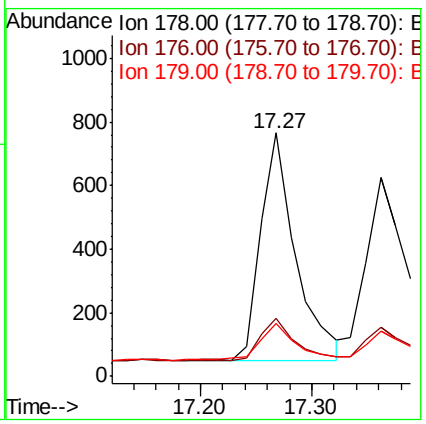


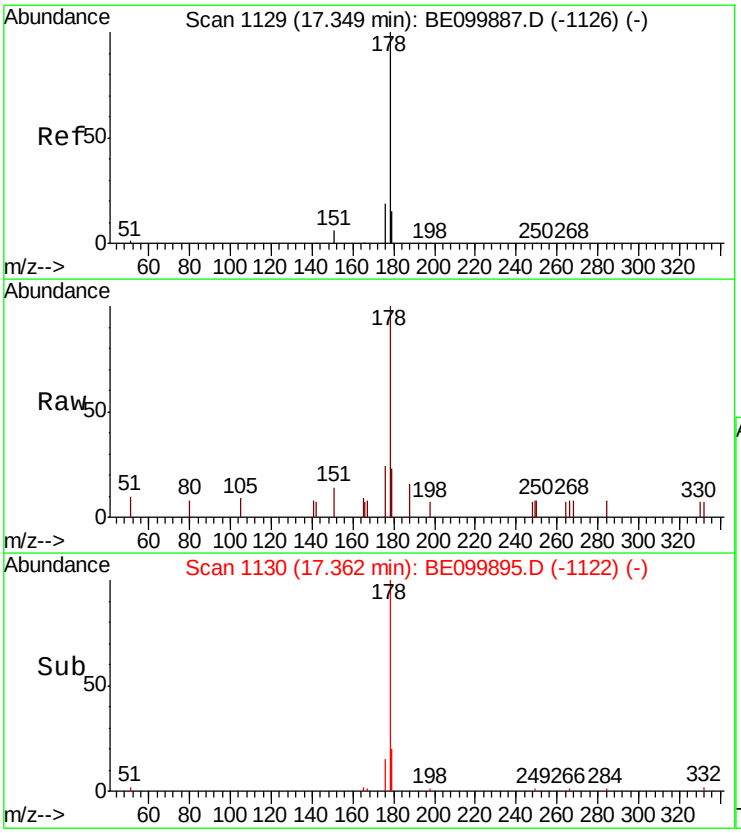
#23
Phenanthrene
Concen: 0.107 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:178 Resp: 1574

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	16.7	12.4	18.6

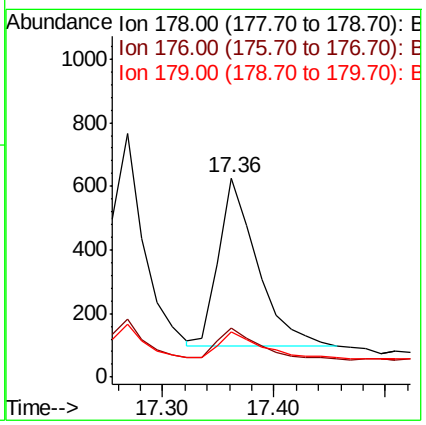


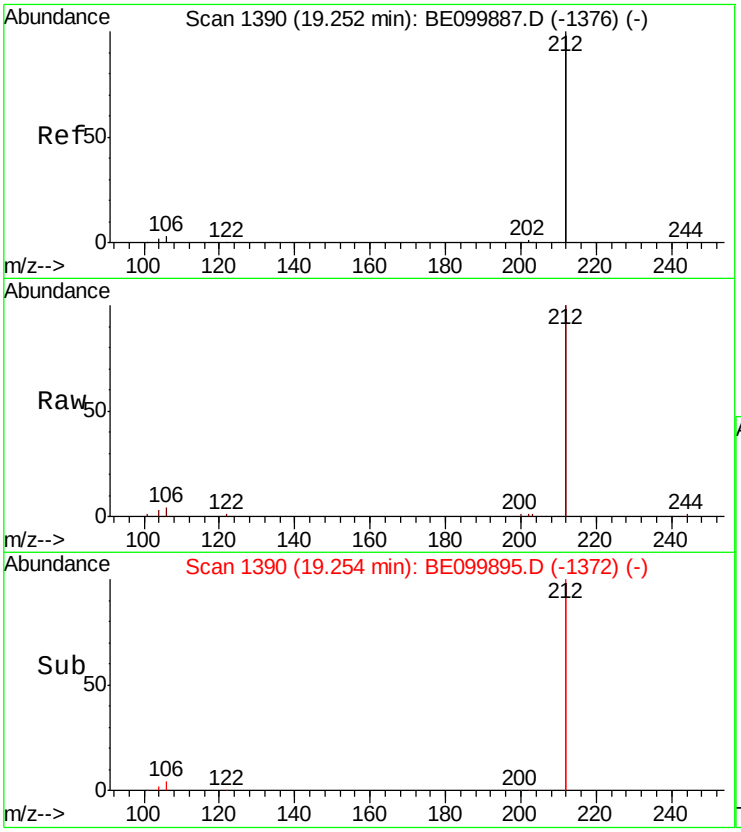


#24
Anthracene
Concen: 0.095 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:178 Resp: 1271

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	14.9	12.3	18.5



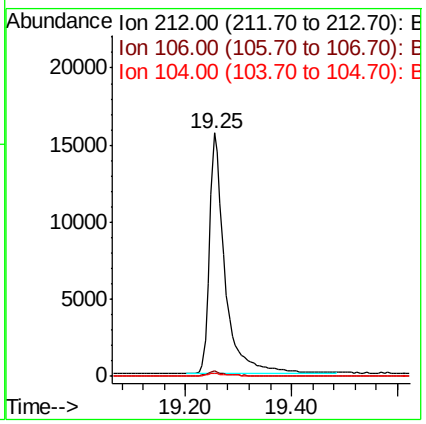


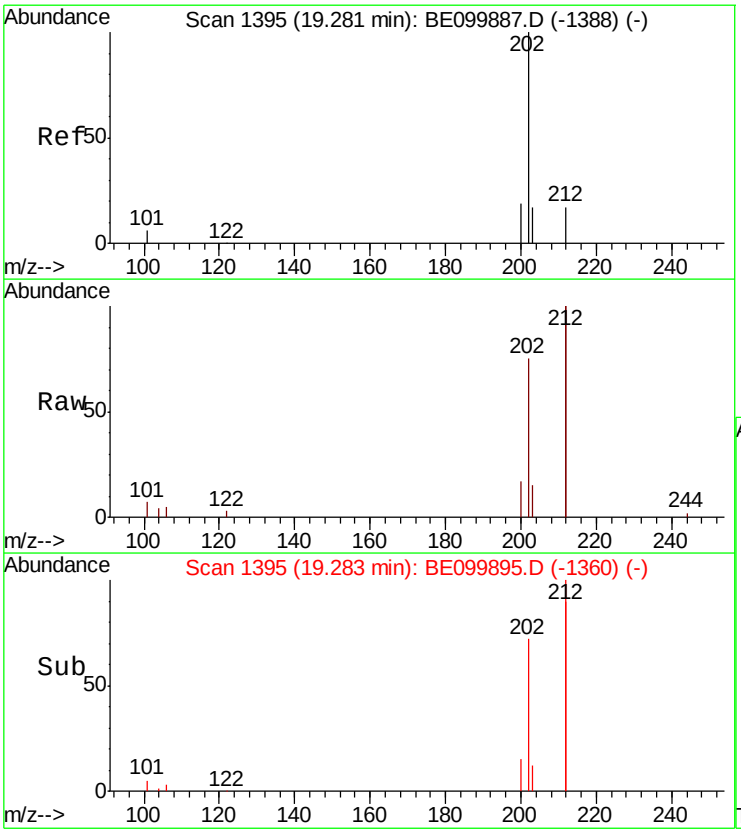
#25
Fluoranthene-d10
Concen: 0.366 ng
RT: 19.25 min Scan# 1390
Delta R.T. 0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:212 Resp: 32213

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.1	0.9	1.3

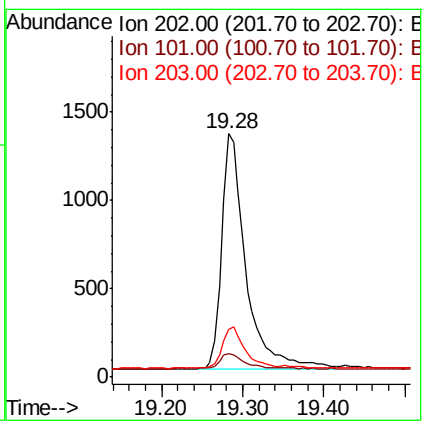


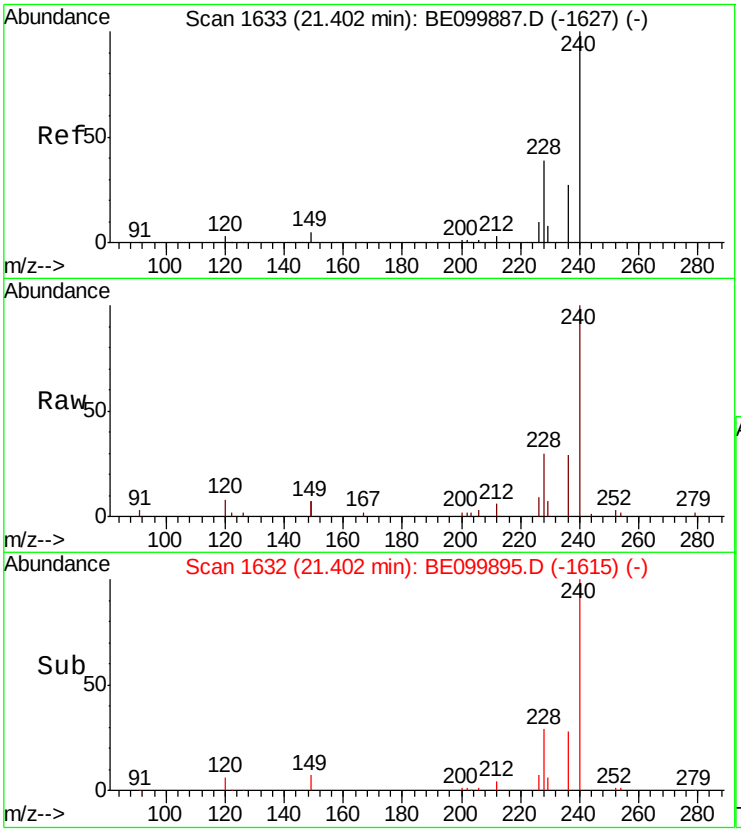


#26
Fluoranthene
Concen: 0.110 ng
RT: 19.28 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:202 Resp: 2739

Ion	Ratio	Lower	Upper
202	100		
101	6.5	5.4	8.0
203	16.5	13.2	19.8



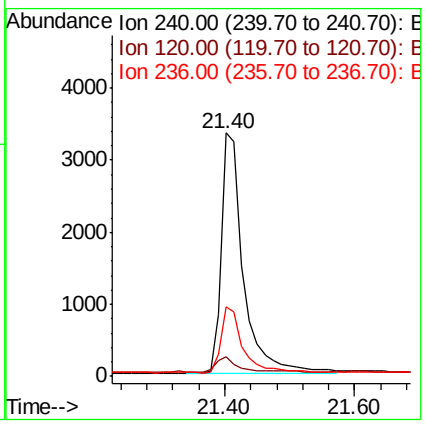


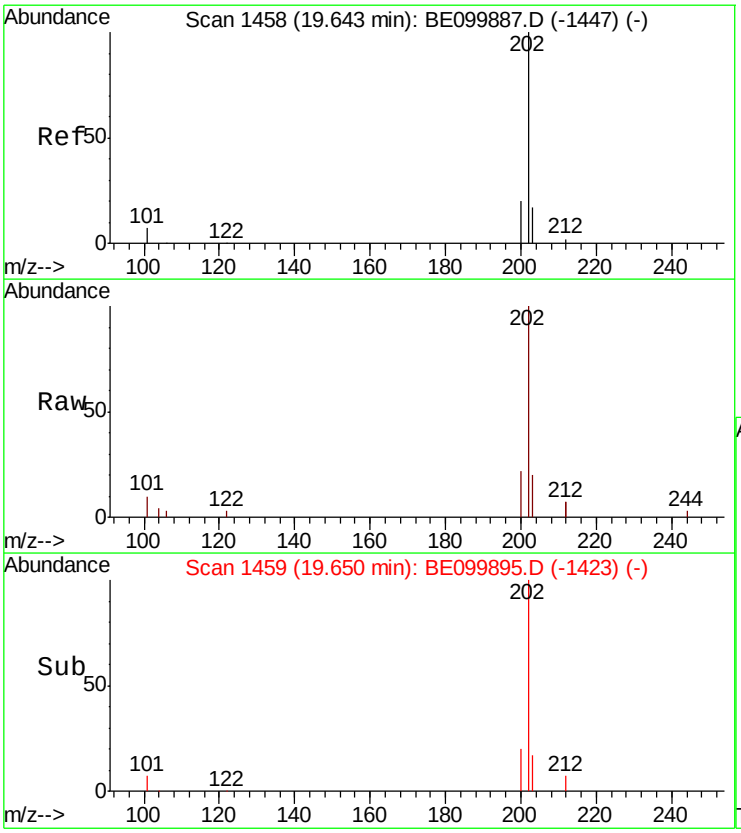
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:240 Resp: 7962

Ion	Ratio	Lower	Upper
240	100		
120	7.9	3.8	5.6#
236	28.8	22.0	33.0

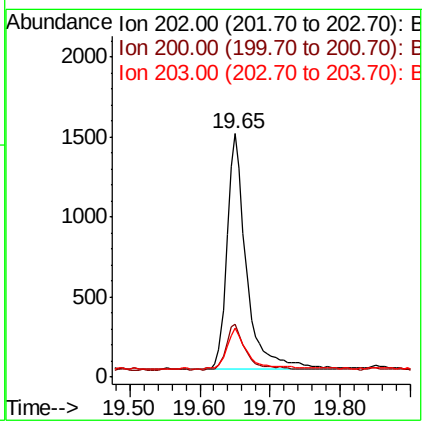


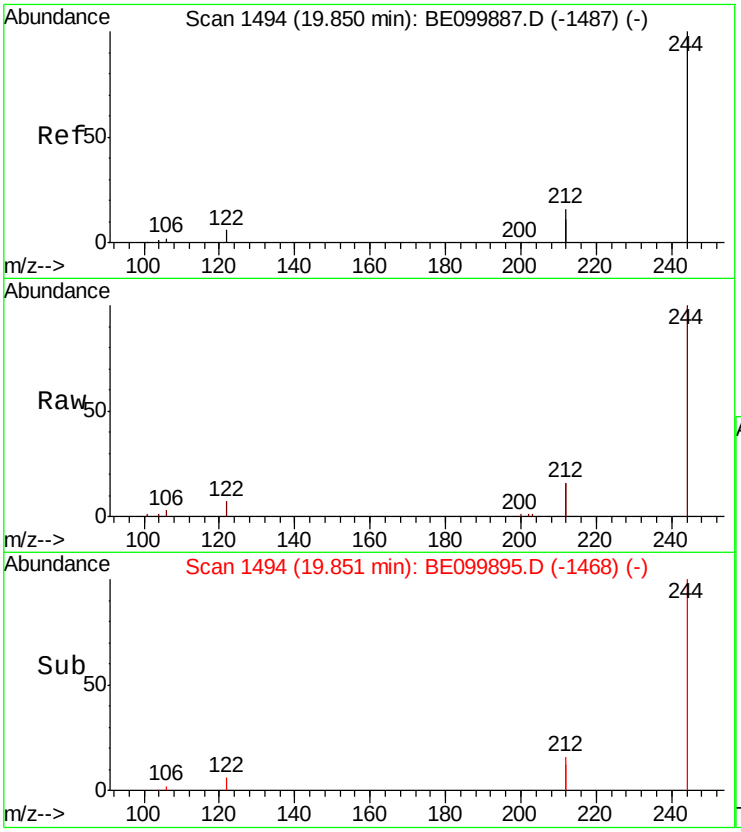


#28
Pyrene
Concen: 0.136 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:202 Resp: 2843

Ion	Ratio	Lower	Upper
202	100		
200	18.6	15.5	23.3
203	17.1	14.0	21.0



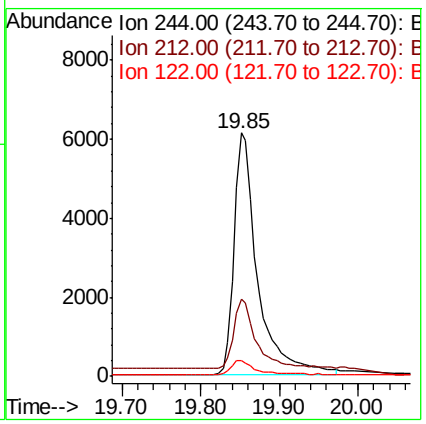


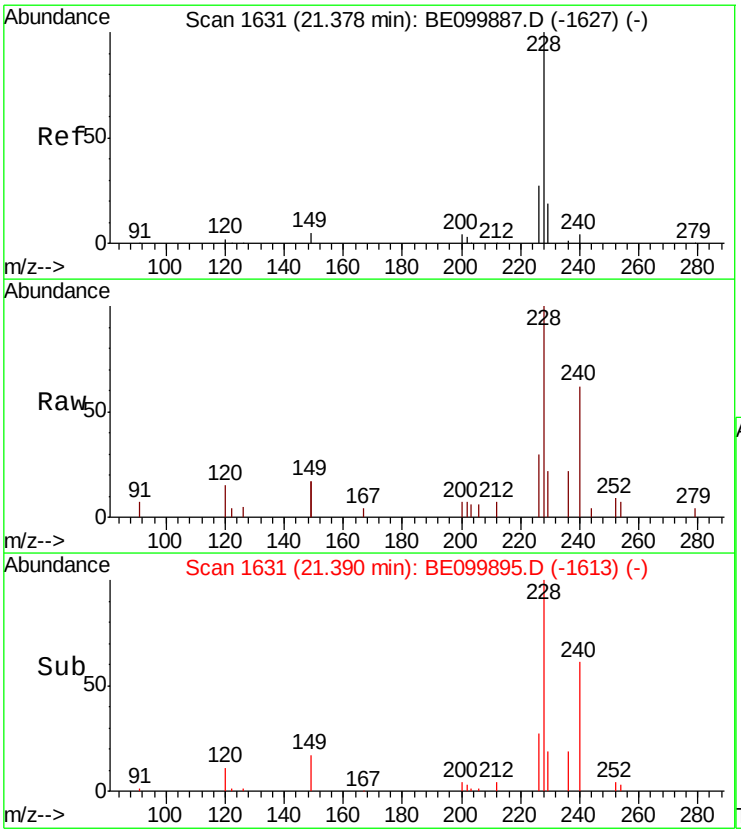
#29
Terphenyl-d14
Concen: 0.895 ng
RT: 19.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:244 Resp: 12822

Ion	Ratio	Lower	Upper
244	100		
212	31.5	25.7	38.5
122	6.6	5.5	8.3

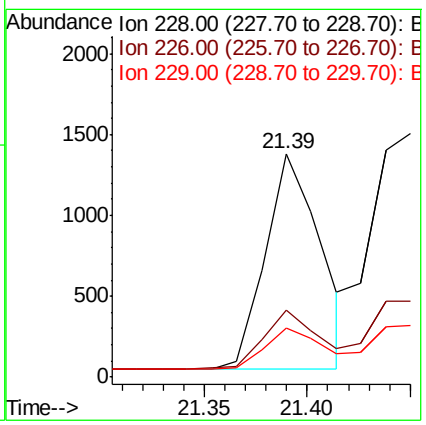


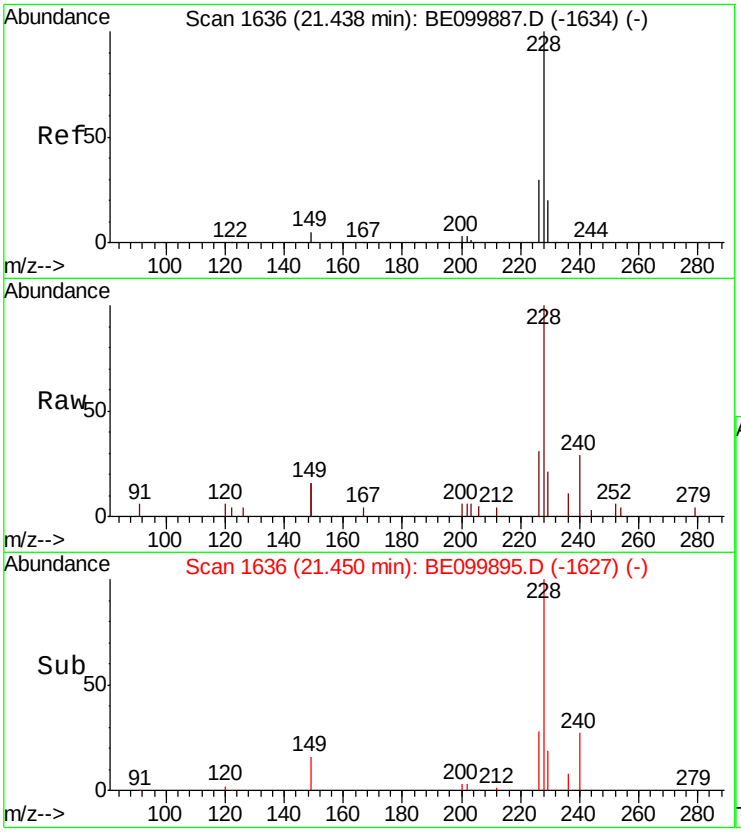


#30
Benzo(a)anthracene
Concen: 0.105 ng
RT: 21.39 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:228 Resp: 2506

Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.5	33.7
229	21.9	15.9	23.9



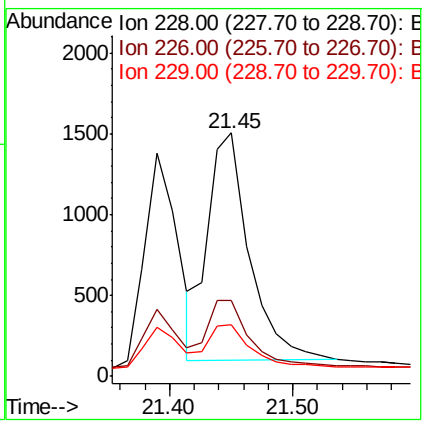


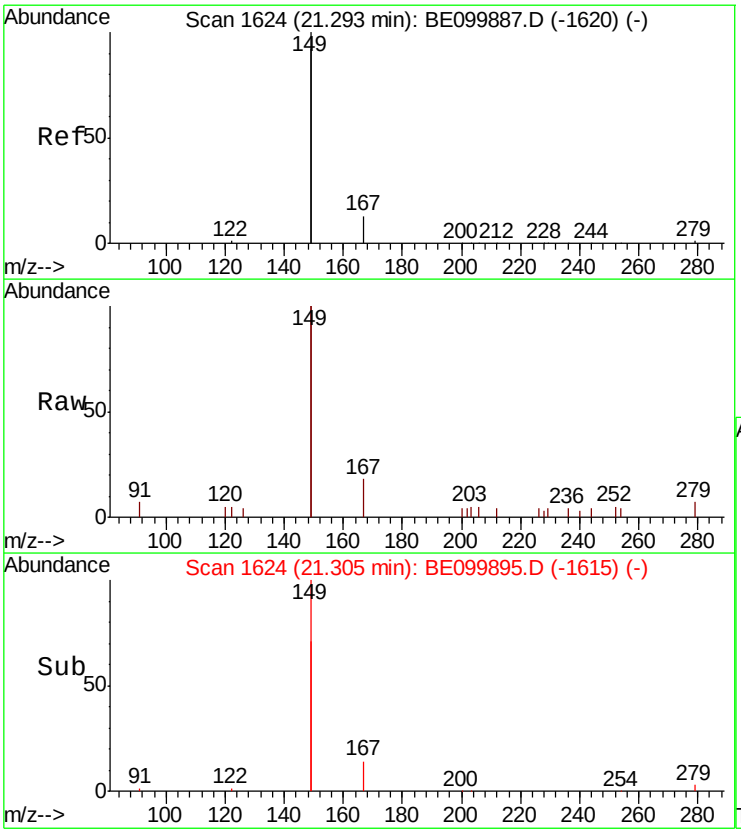
#31
Chrysene
Concen: 0.134 ng
RT: 21.45 min Scan# 1636
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:228 Resp: 3291

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	21.3	16.1	24.1

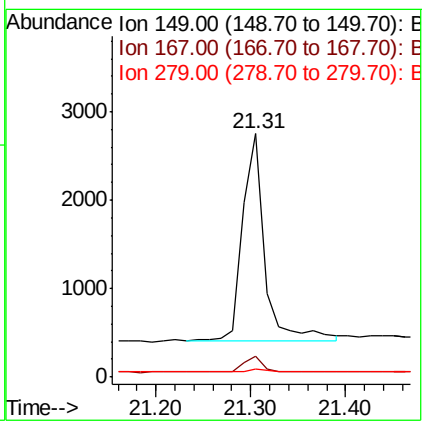


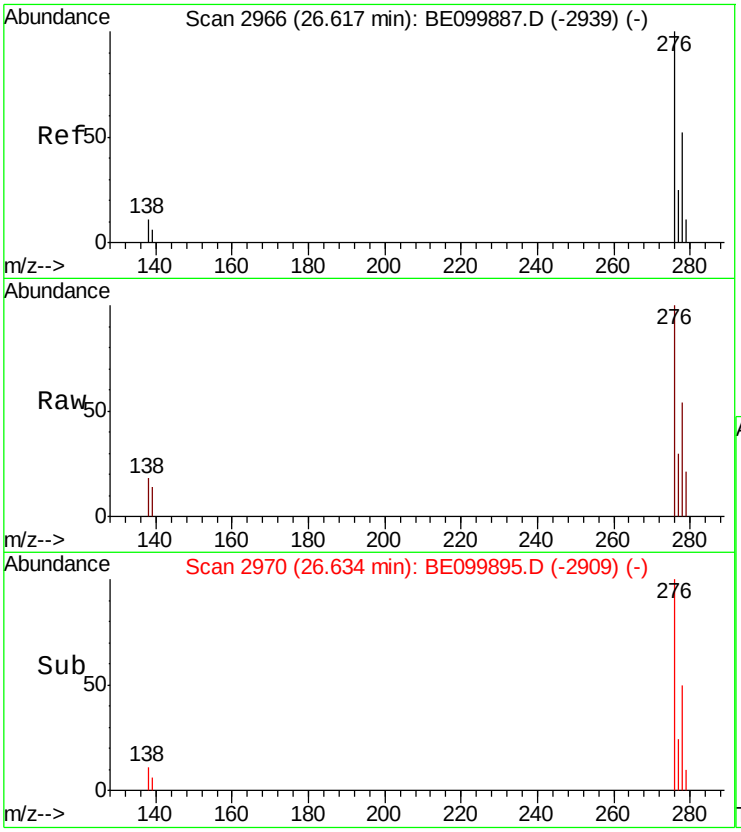


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.112 ng
RT: 21.31 min Scan# 1624
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:149 Resp: 3832

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.9	8.9
279	1.6	1.2	1.8



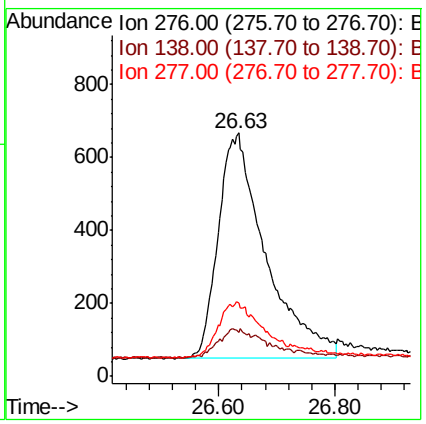


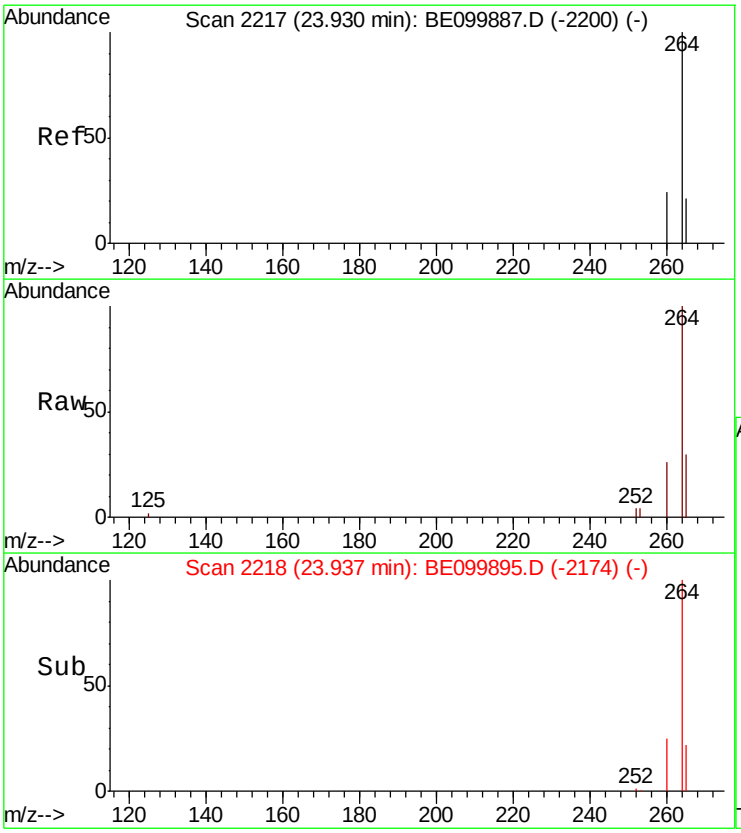
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.121 ng
RT: 26.63 min Scan# 2970
Delta R.T. 0.02 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:276 Resp: 3516

Ion	Ratio	Lower	Upper
276	100		
138	5.6	10.1	15.1#
277	22.5	19.1	28.7

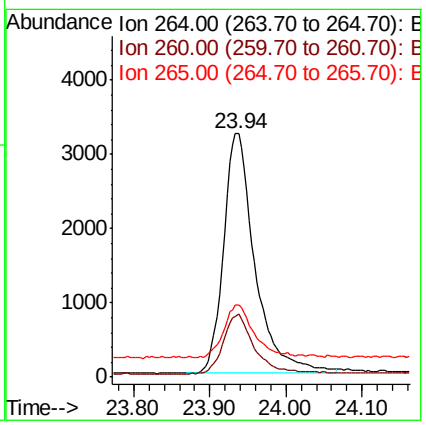


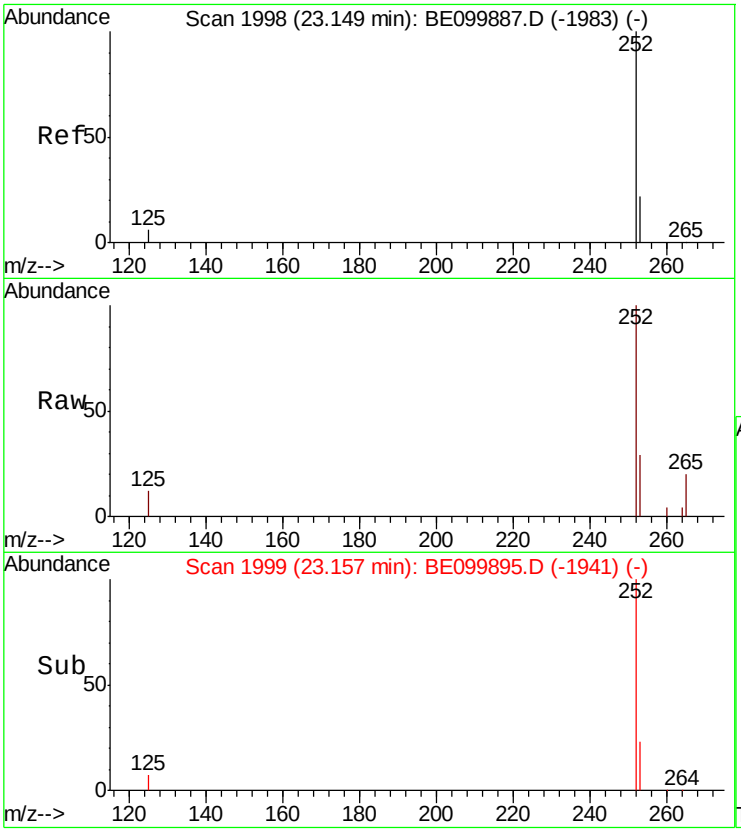


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:264 Resp: 9277

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.2	30.2
265	29.8	22.0	33.0



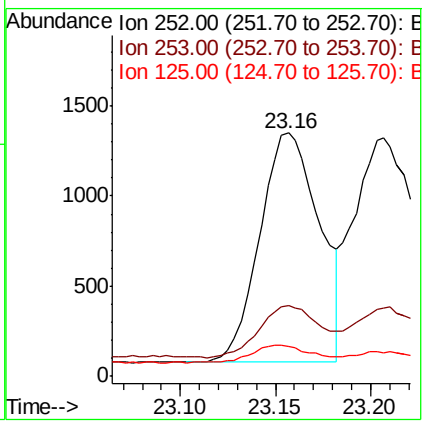


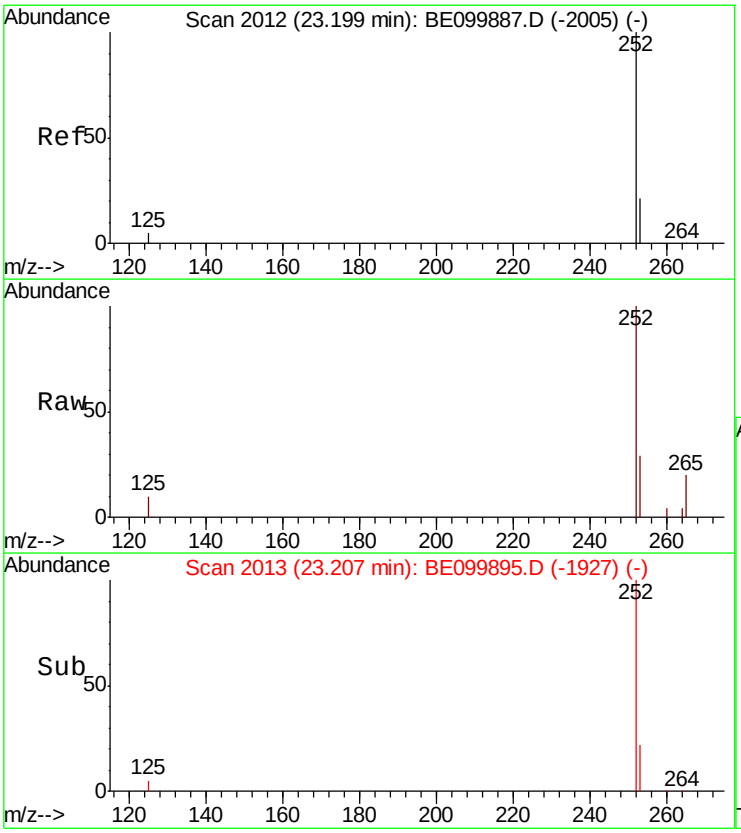
#35
Benzo(b)fluoranthene
Concen: 0.107 ng
RT: 23.16 min Scan# 1999
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:252 Resp: 2776

Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.7	28.1#
125	12.1	5.7	8.5#

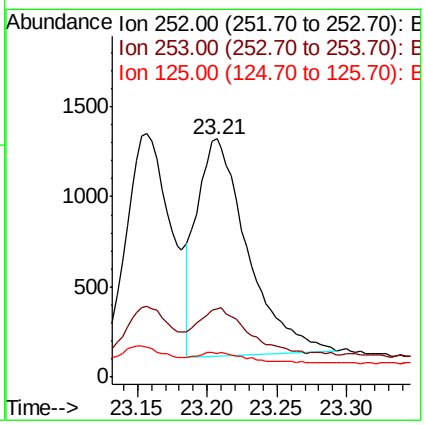


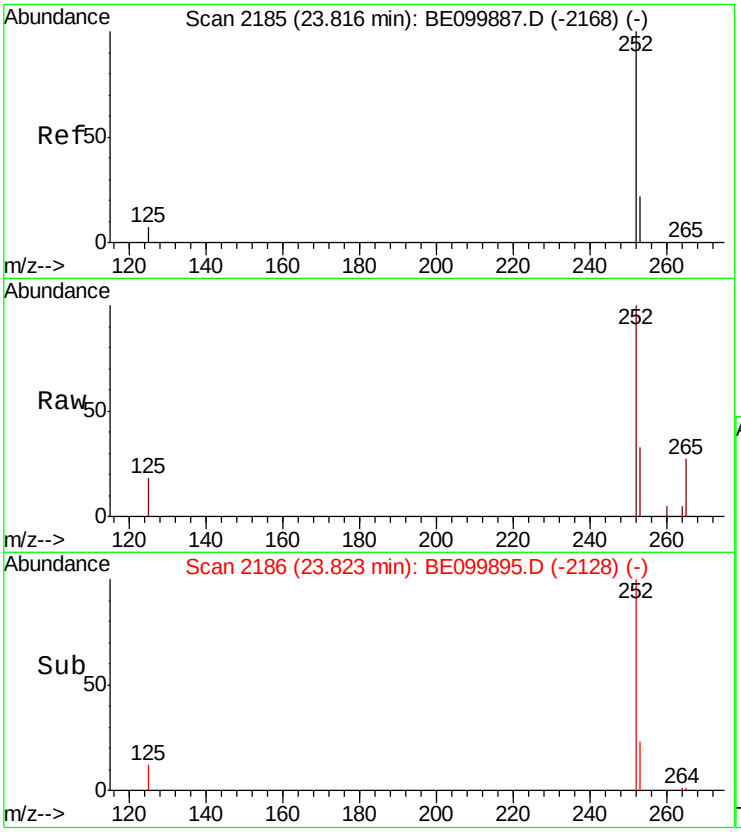


#36
Benzo(k)fluoranthene
Concen: 0.112 ng
RT: 23.21 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:252 Resp: 3049

Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.6	28.0#
125	10.1	5.4	8.0#



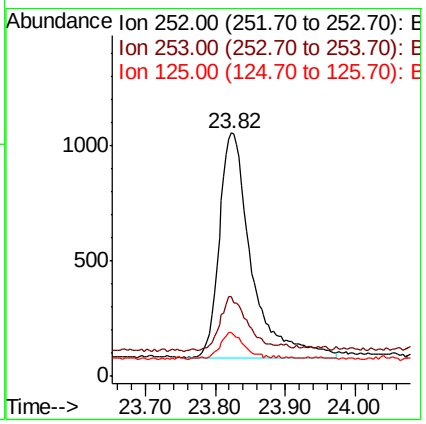


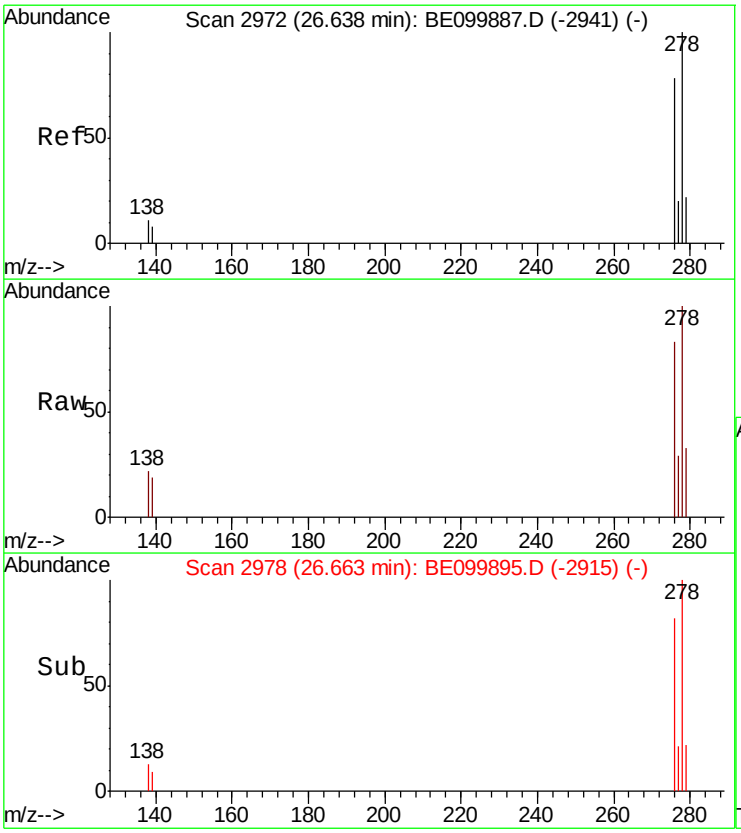
#37
Benzo(a)pyrene
Concen: 0.121 ng
RT: 23.82 min Scan# 2186
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:252 Resp: 3111

Ion	Ratio	Lower	Upper
252	100		
253	32.5	19.6	29.4#
125	18.0	6.6	10.0#

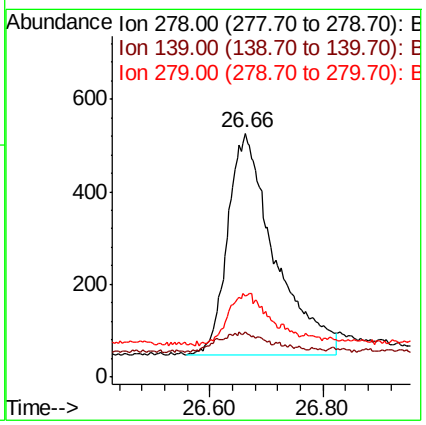


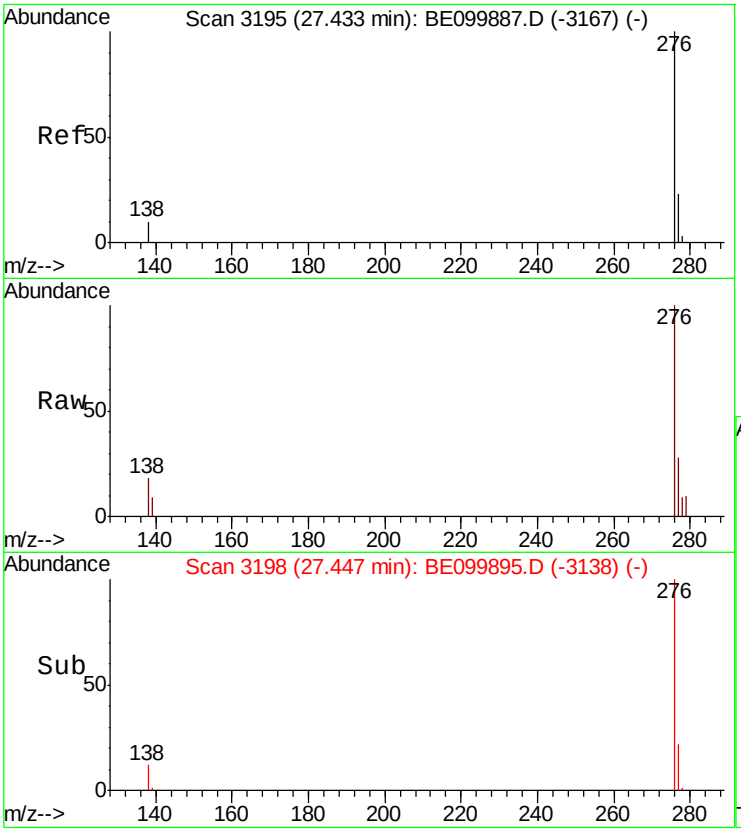


#38
Dibenzo(a,h)anthracene
Concen: 0.107 ng
RT: 26.66 min Scan# 2978
Delta R.T. 0.02 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:278 Resp: 2759

Ion	Ratio	Lower	Upper
278	100		
139	18.6	7.8	11.8#
279	33.5	20.0	30.0#





#39
Benzo(g,h,i)perylene
Concen: 0.117 ng
RT: 27.45 min Scan# 3198
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:276 Resp: 3106

Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.5	29.3
138	18.0	9.5	14.3#