Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051519\
Data File : BE099616.D
Acq On : 15 May 2019 17:42
Operator : JU/SJ
Sample : K2551-12DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PT-BNA-SOILDL

Quant Time: May 16 12:12:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:30:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1853	0.40	ng		0.01
7) Naphthalene-d8	10.63	136	5734	0.40	ng		0.01
13) Acenaphthene-d10	14.50	164	3882	0.40	ng		0.02
19) Phenanthrene-d10	17.24	188	11629	0.40	ng		0.01
27) Chrysene-d12	21.43	240	17022	0.40	ng		0.01
34) Perylene-d12	23.97	264	19738	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	26939	5.12	ng		0.01
5) Phenol-d6	6.99	99	40207	6.03	ng		0.01
8) Nitrobenzene-d5	8.99	82	26266	4.73	ng		0.01
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng		
14) 2,4,6-Tribromophenol	15.98	330	19280	7.26	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	70942	4.75	ng		0.02
25) Fluoranthene-d10	0.00	212	0d	0.00	ng		
29) Terphenyl-d14	19.87	244	174451	5.69	ng		0.00
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.25	93	24650	4.395	ng		93
9) Naphthalene	10.68	128	306525	5.024	ng		98
17) Acenaphthene	14.56	154	47270	4.569	ng		98
18) Fluorene	15.54	166	106706	7.189	ng		100
20) 4-Bromophenyl-phenylether	16.42	248	56478	8.423	ng	#	81
21) Hexachlorobenzene	16.54	284	23680	3.595	ng		99
23) Phenanthrene	17.28	178	161261	5.586	ng		100
30) Benzo(a)anthracene	21.40	228	361008	7.018	ng		99
32) Bis(2-ethylhexyl)phthalate	21.32	149	1134803	14.305	ng		100
37) Benzo(a)pyrene	23.85	252	243776	4.560	ng	#	93
38) Dibenzo(a,h)anthracene	26.69	278	253570	4.574	ng		98
39) Benzo(g,h,i)perylene	27.50	276	141035	2.530	ng		99

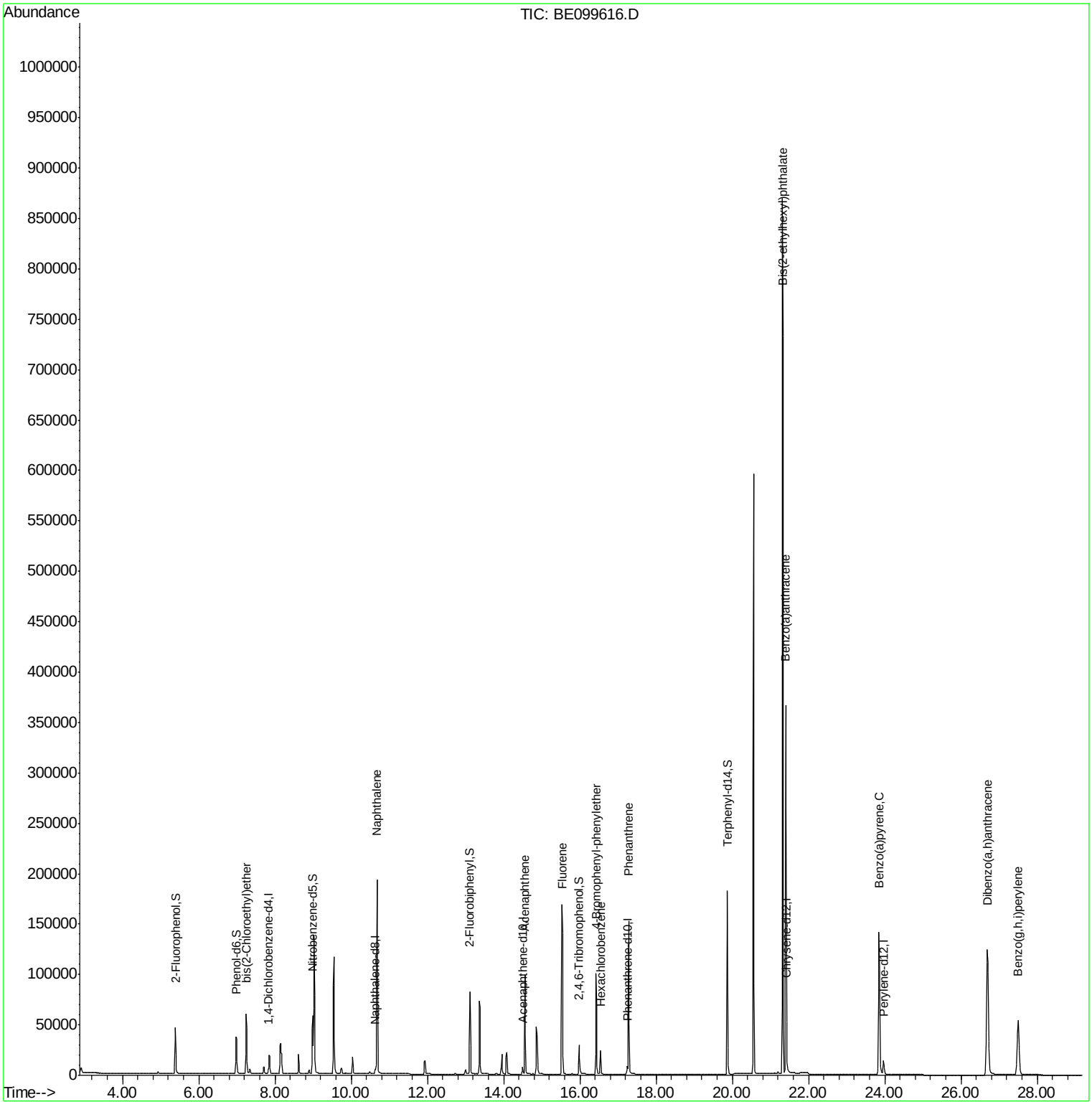
(#) = qualifier out of range (m) = manual integration (+) = signals summed

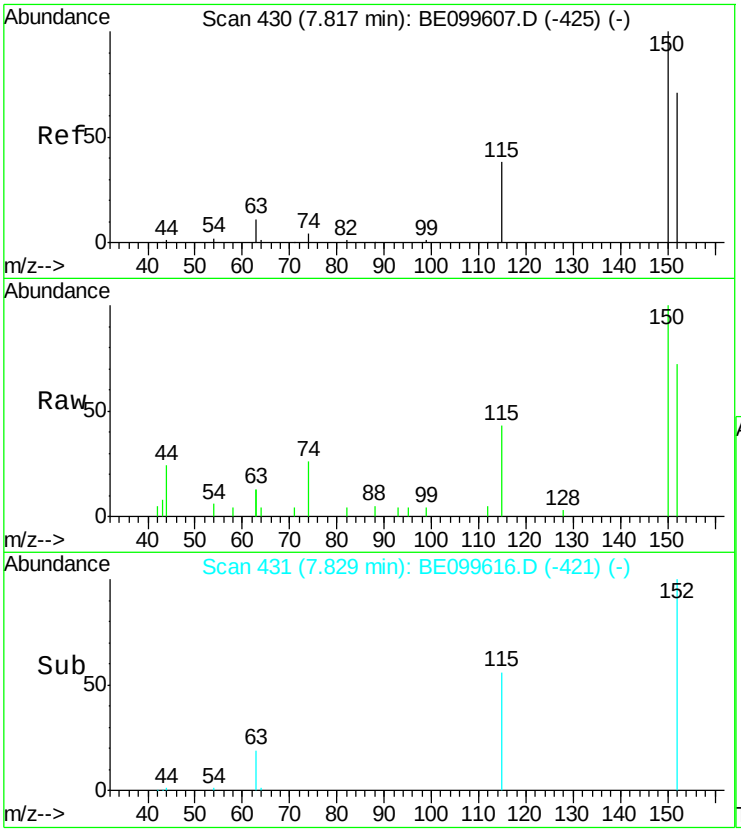
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051519\
Data File : BE099616.D
Acq On : 15 May 2019 17:42
Operator : JU/SJ
Sample : K2551-12DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Quant Time: May 16 12:12:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:30:50 2019
Response via : Initial Calibration



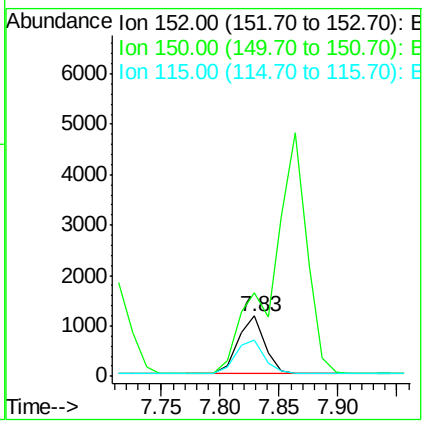


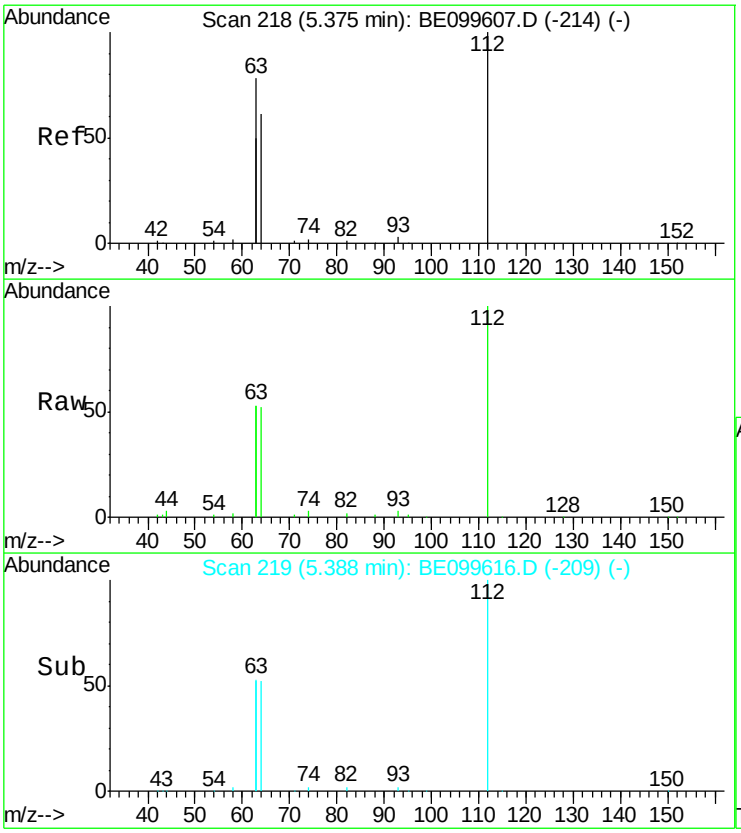
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 431
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:152 Resp: 1853

Ion	Ratio	Lower	Upper
152	100		
150	137.9	110.1	165.1
115	59.0	46.2	69.4

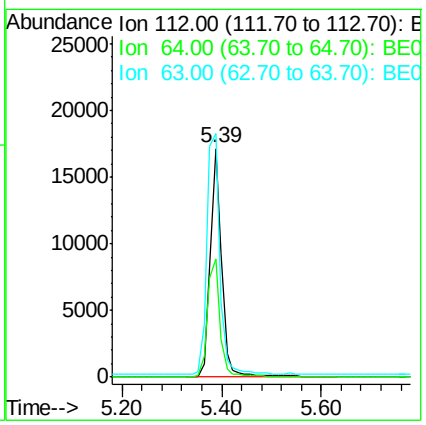


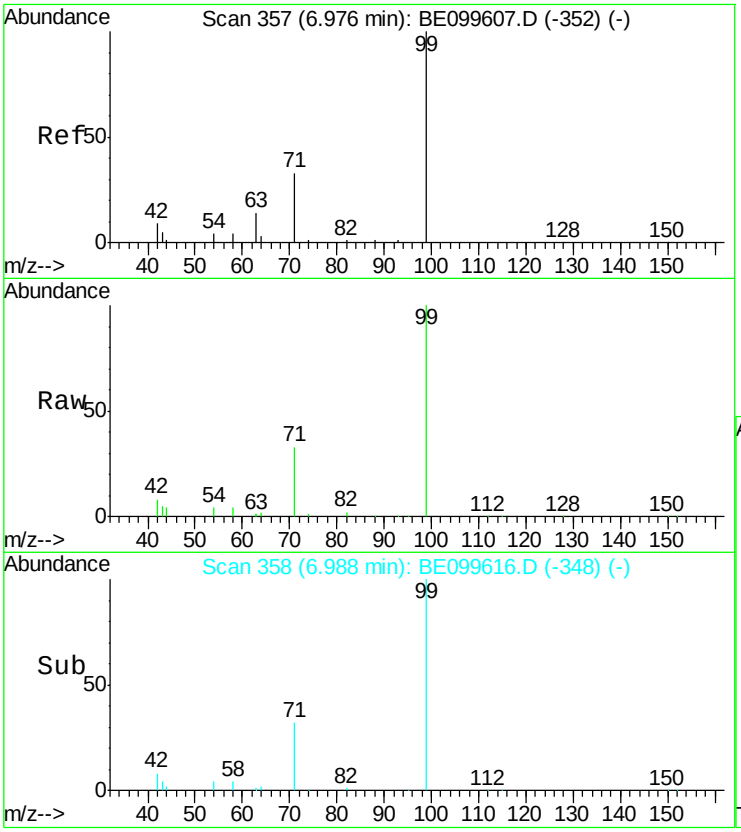


#4
2-Fluorophenol
Concen: 5.121 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion:112 Resp: 26939

Ion	Ratio	Lower	Upper
112	100		
64	56.1	43.7	65.5
63	120.7	94.0	141.0



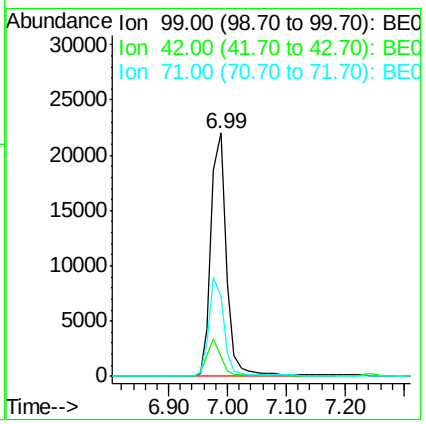


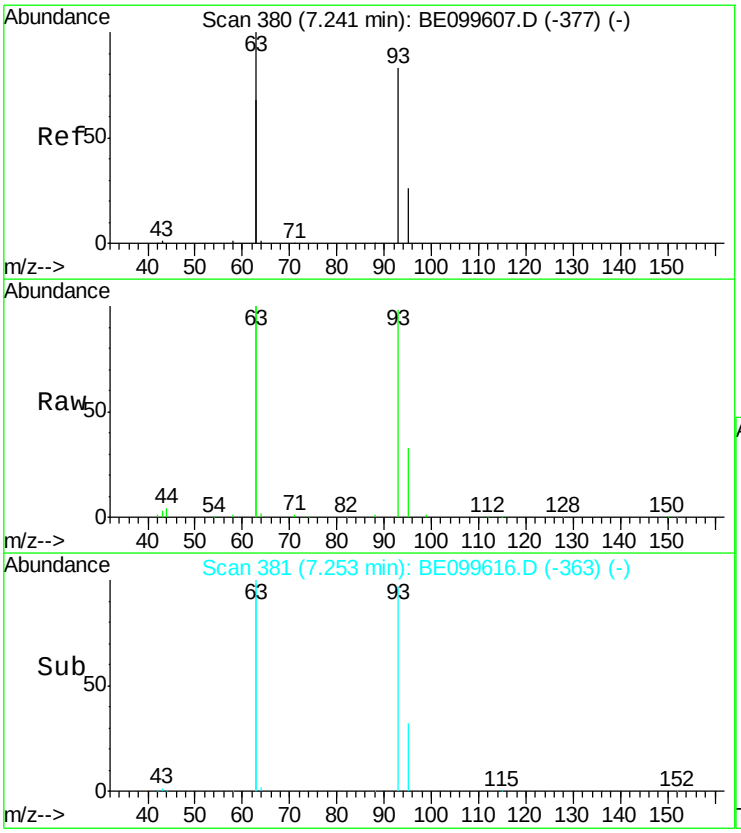
#5
Phenol-d6
Concen: 6.030 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion: 99 Resp: 40207

Ion	Ratio	Lower	Upper
99	100		
42	14.2	14.3	21.5#
71	39.4	33.1	49.7

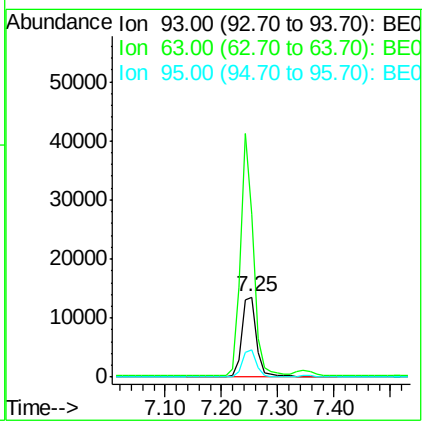


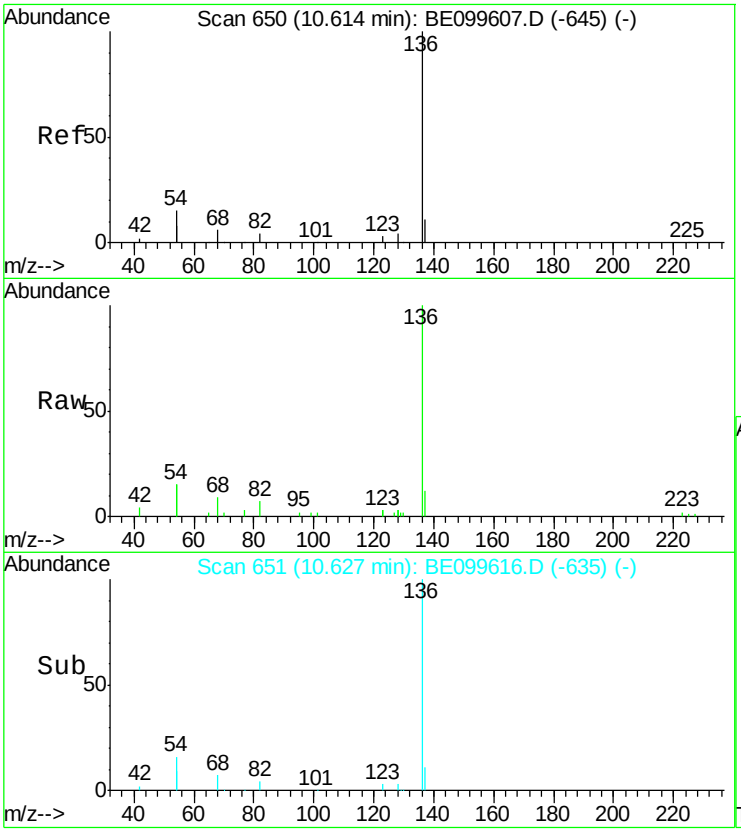


#6
bis(2-Chloroethyl)ether
Concen: 4.395 ng
RT: 7.25 min Scan# 381
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion: 93 Resp: 24650

Ion	Ratio	Lower	Upper
93	100		
63	265.4	201.0	301.4
95	31.8	25.0	37.4



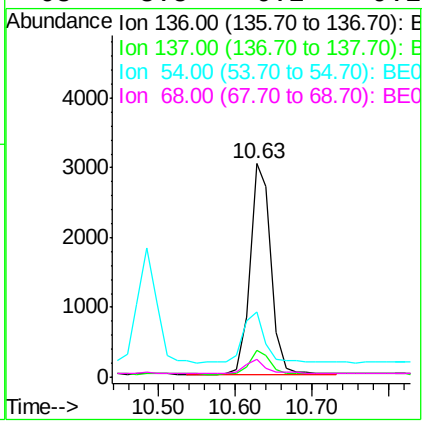


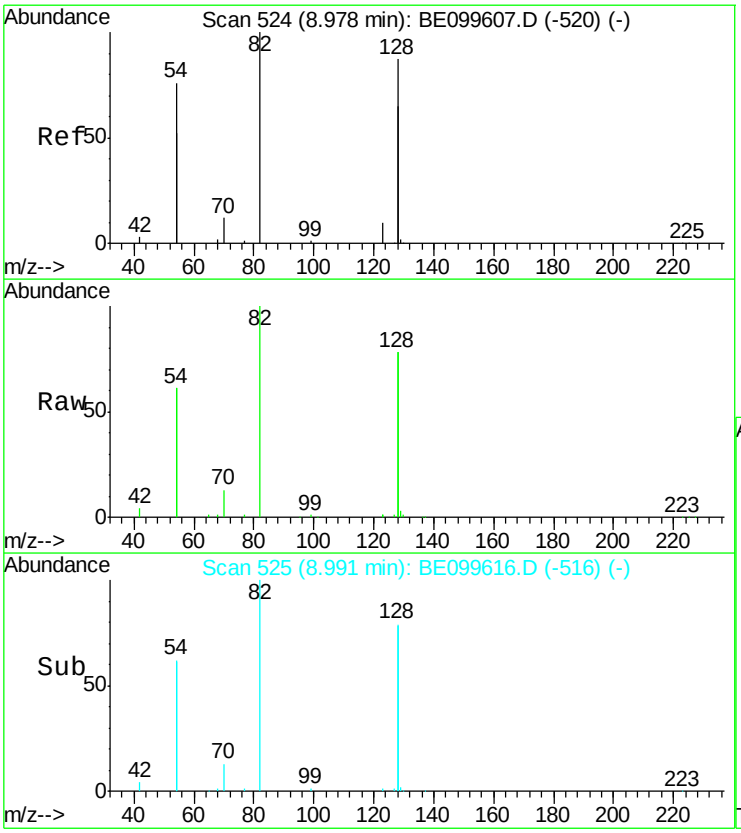
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:136 Resp: 5734

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	30.8	23.8	35.8
68	8.5	6.2	9.2

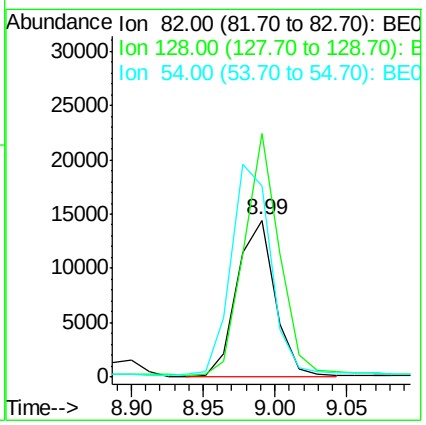


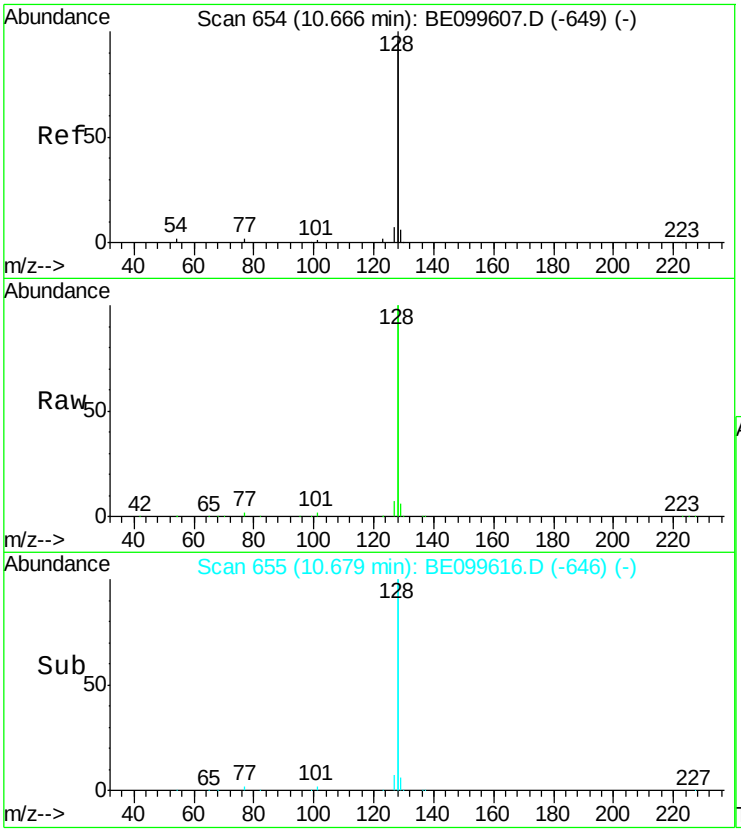


#8
Nitrobenzene-d5
Concen: 4.731 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion: 82 Resp: 26266

Ion	Ratio	Lower	Upper
82	100		
128	155.1	131.4	197.2
54	121.5	113.9	170.9



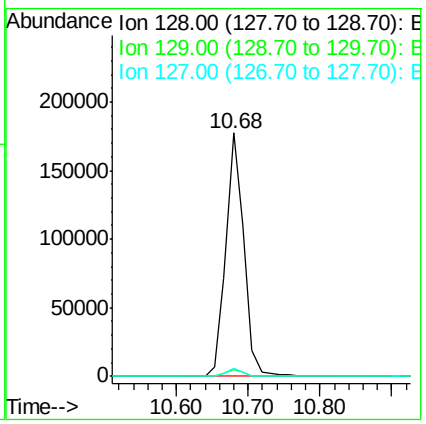


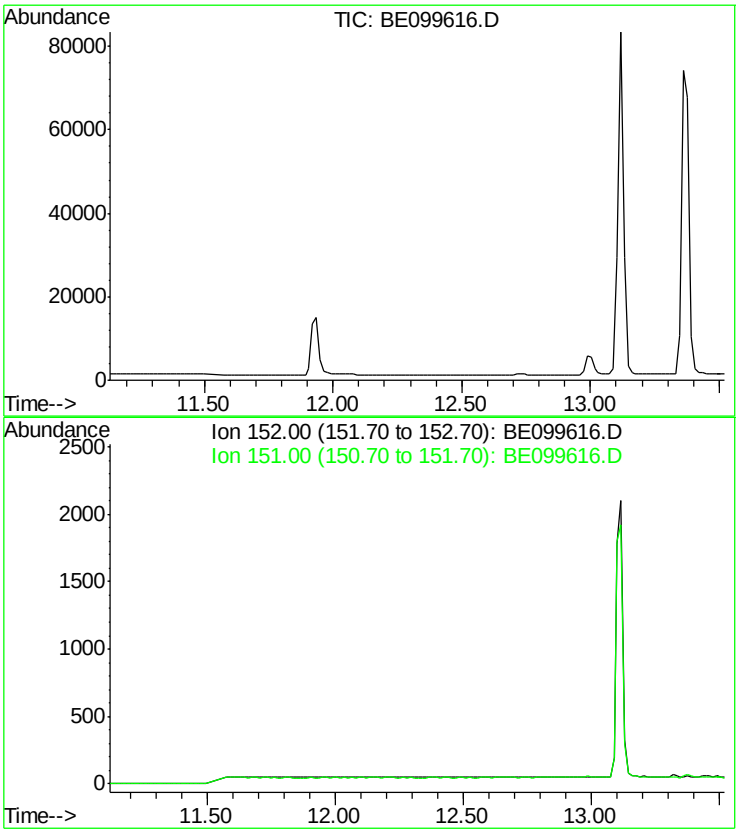
#9
Naphthalene
Concen: 5.024 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:128 Resp: 306525

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.6	4.0
127	3.3	3.0	4.6



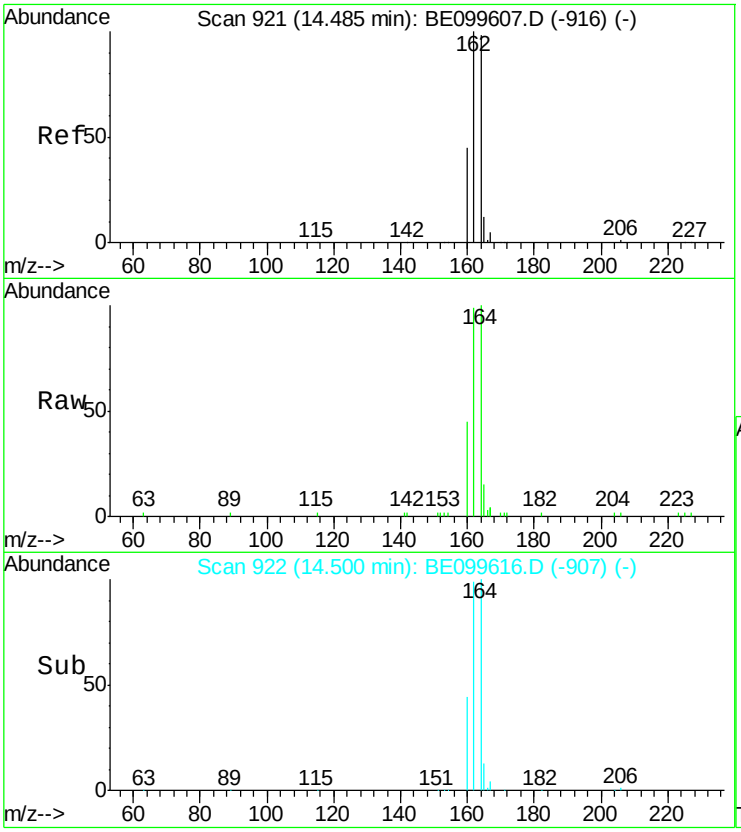


#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.22 min

Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	19.1

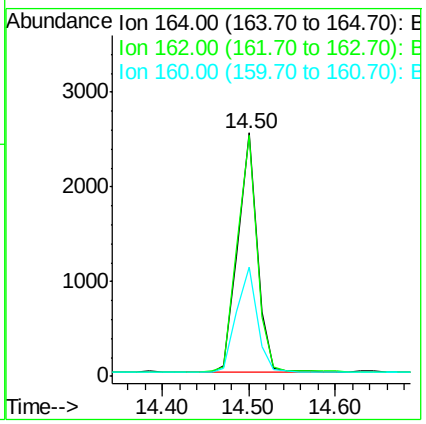


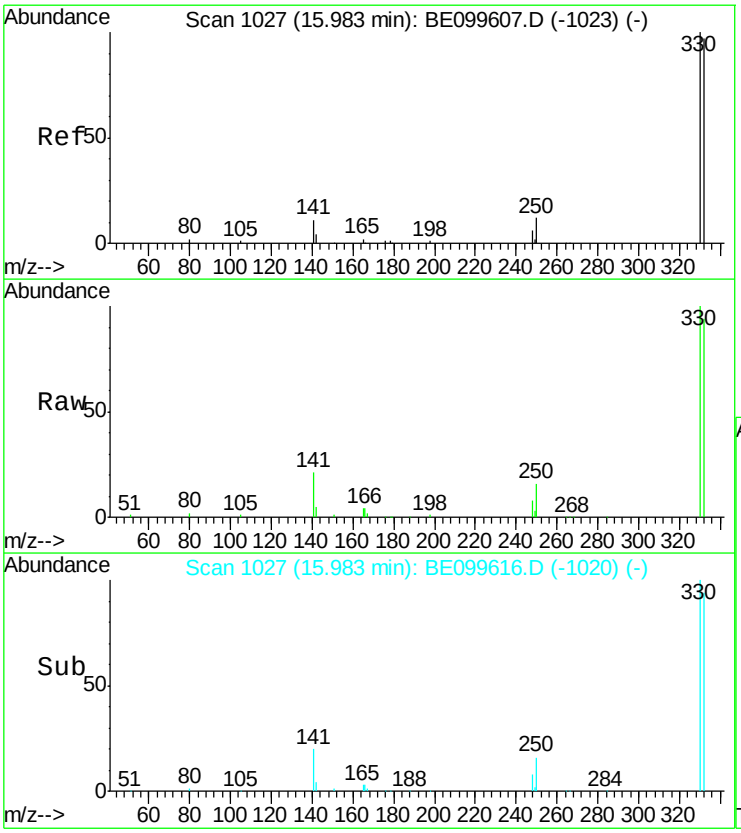
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.02 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:164 Resp: 3882

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.4	122.0
160	44.7	37.4	56.2

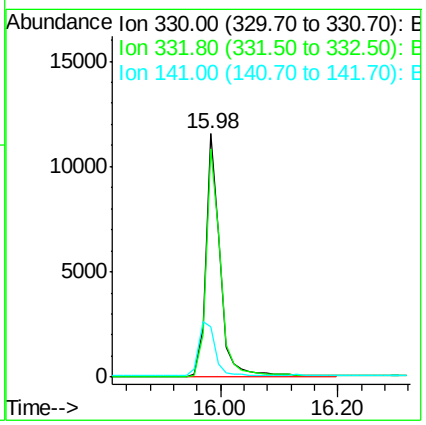


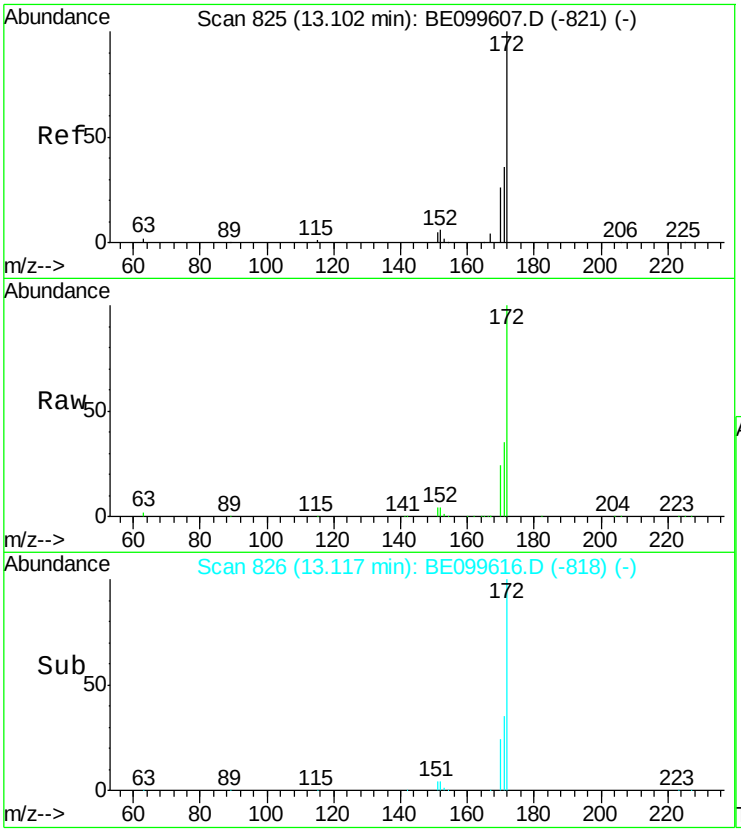


#14
2,4,6-Tribromophenol
Concen: 7.260 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion:330 Resp: 19280

Ion	Ratio	Lower	Upper
330	100		
332	96.3	73.8	110.8
141	26.2	21.0	31.6



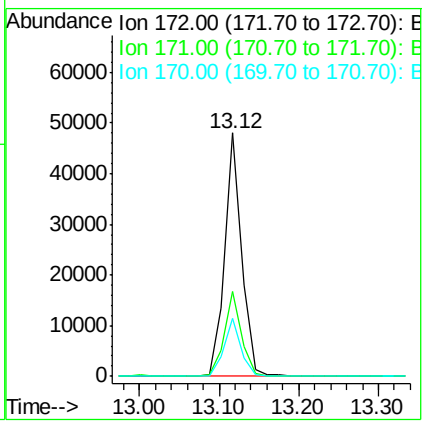


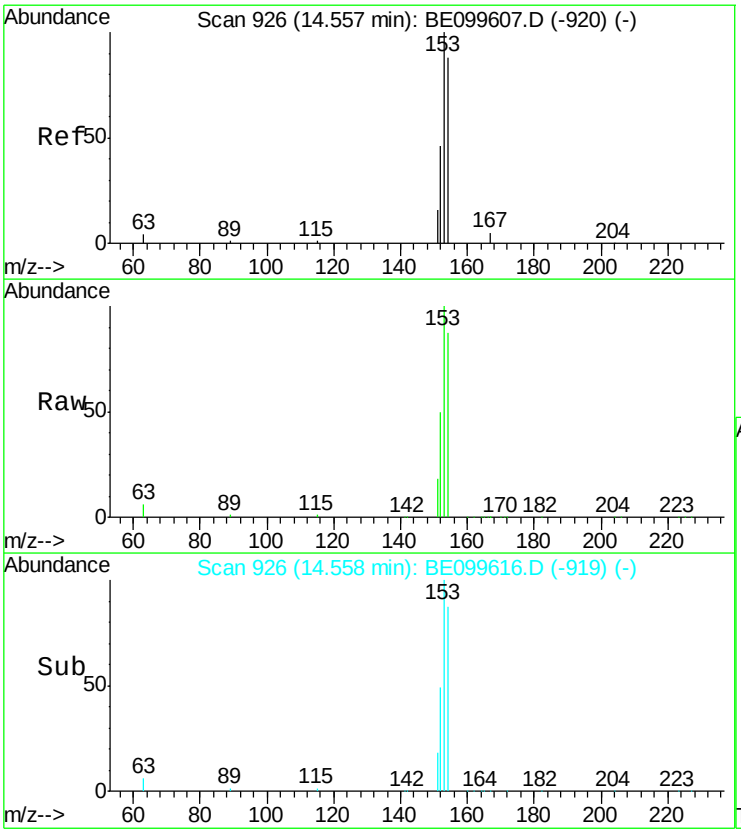
#15
2-Fluorobiphenyl
Concen: 4.746 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.02 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:172 Resp: 70942

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.4	44.2
170	24.0	21.5	32.3

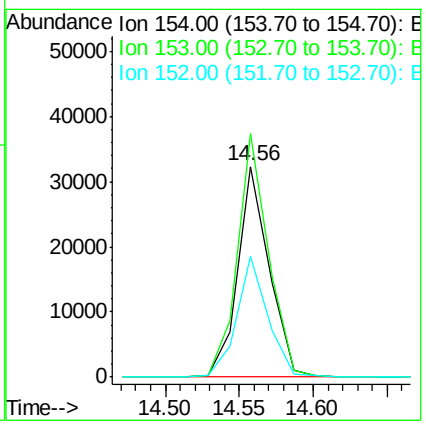


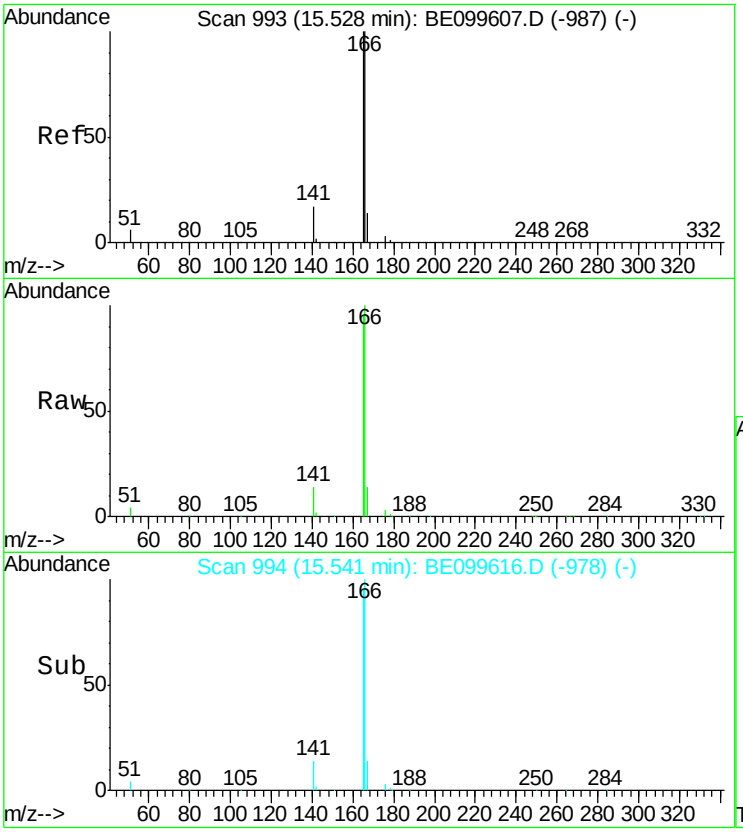


#17
Acenaphthene
Concen: 4.569 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.00 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion:154 Resp: 47270

Ion	Ratio	Lower	Upper
154	100		
153	114.7	94.1	141.1
152	56.7	46.5	69.7



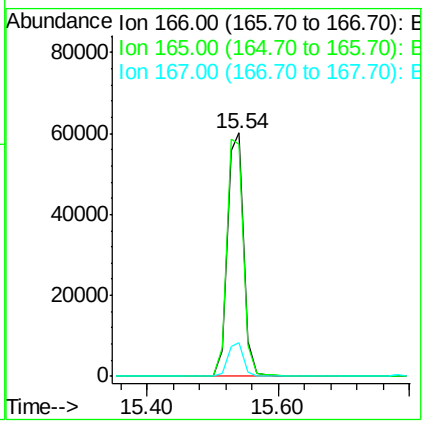


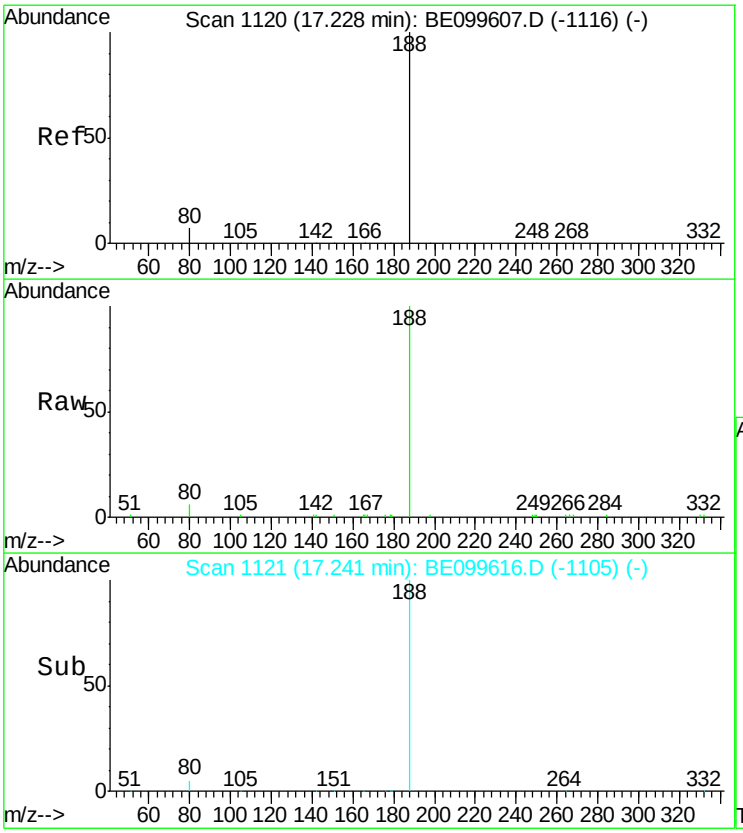
#18
Fluorene
Concen: 7.189 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:166 Resp: 106706

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	13.6	11.2	16.8

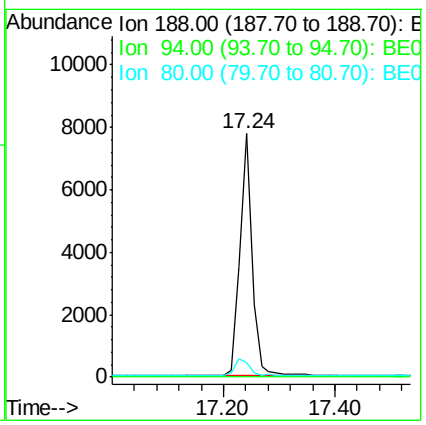


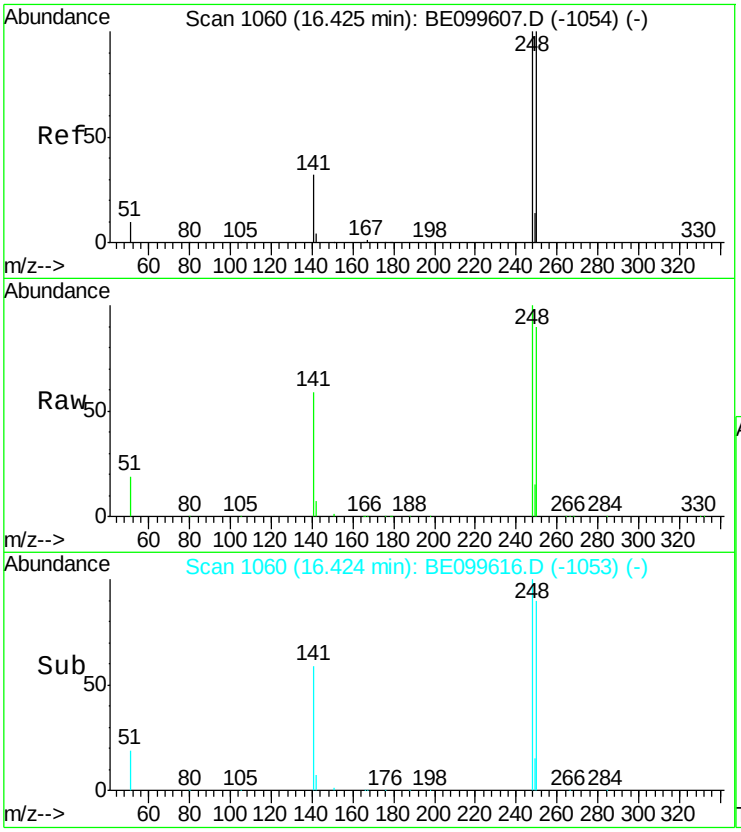


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion:188 Resp: 11629

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.8	6.4	9.6#



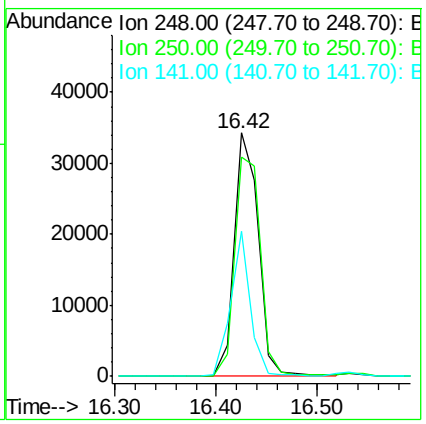


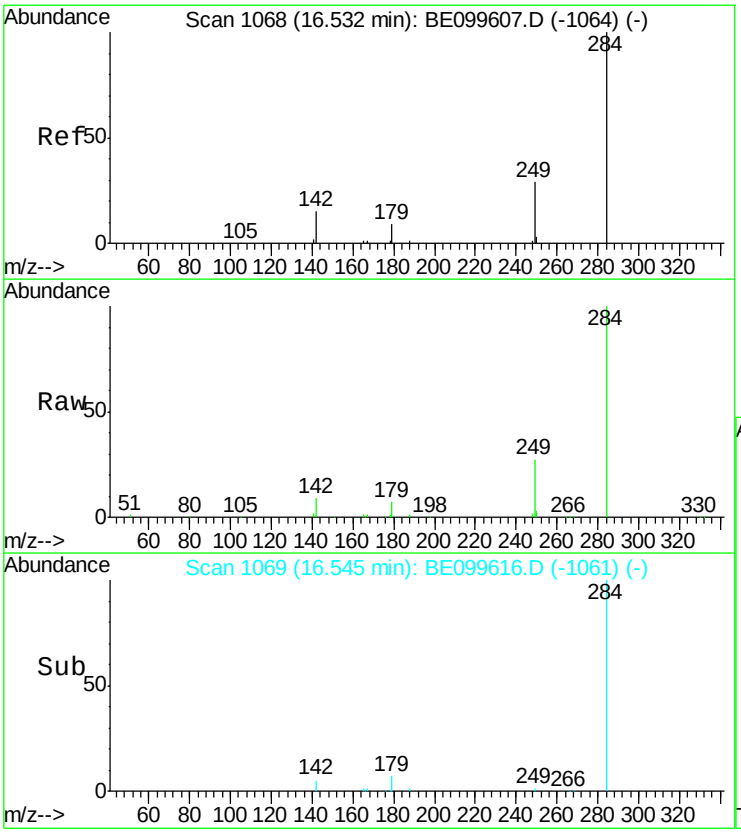
#20
4-Bromophenyl-phenylether
Concen: 8.423 ng
RT: 16.42 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:248 Resp: 56478

Ion	Ratio	Lower	Upper
248	100		
250	90.1	80.4	120.6
141	59.4	27.8	41.8#

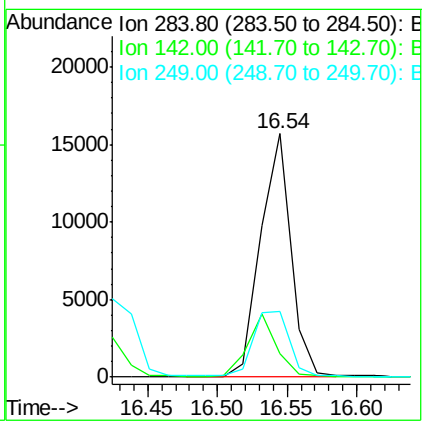


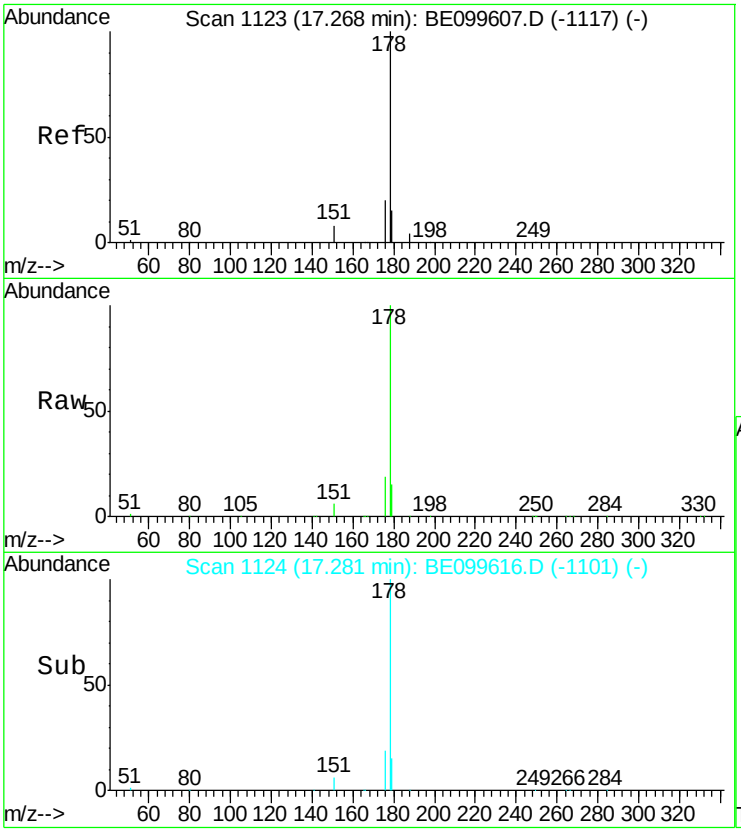


#21
Hexachlorobenzene
Concen: 3.595 ng
RT: 16.54 min Scan# 1069
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion:284 Resp: 23680

Ion	Ratio	Lower	Upper
284	100		
142	23.5	19.4	29.2
249	31.4	24.6	37.0



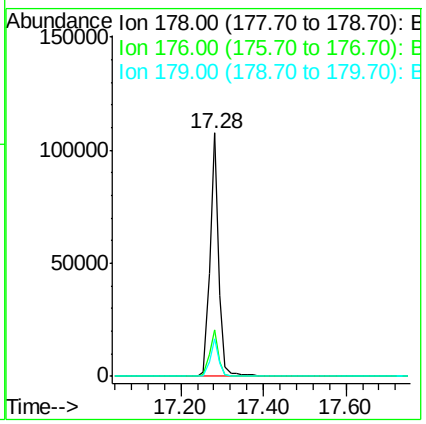


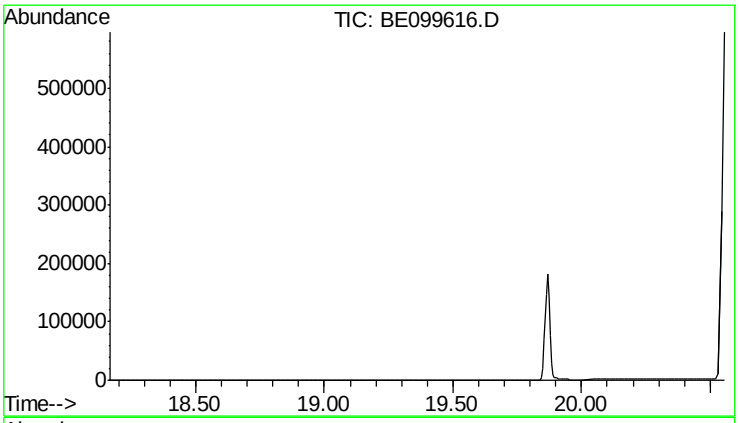
#23
Phenanthrene
Concen: 5.586 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:178 Resp: 161261

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.4	12.2	18.2



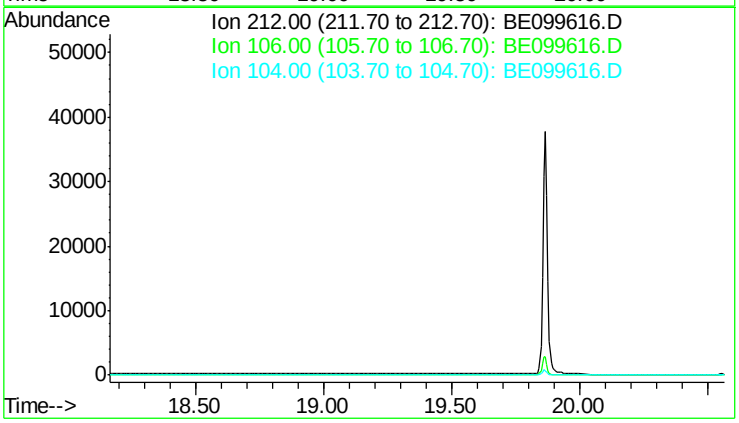


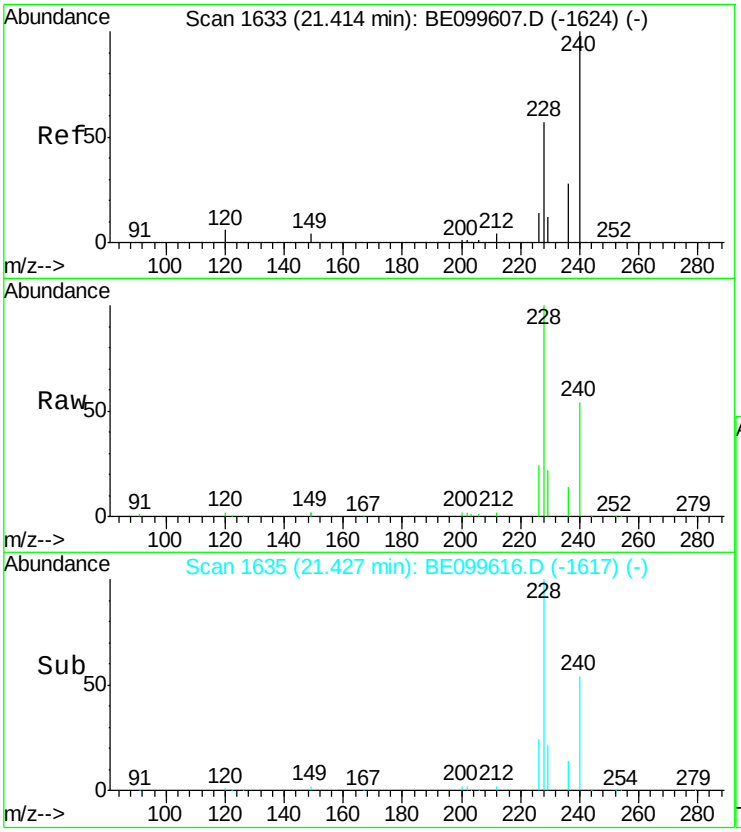
#25
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 19.27 min

Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	1.8
104	1.1



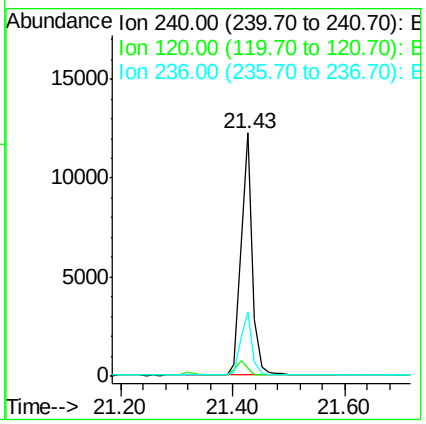


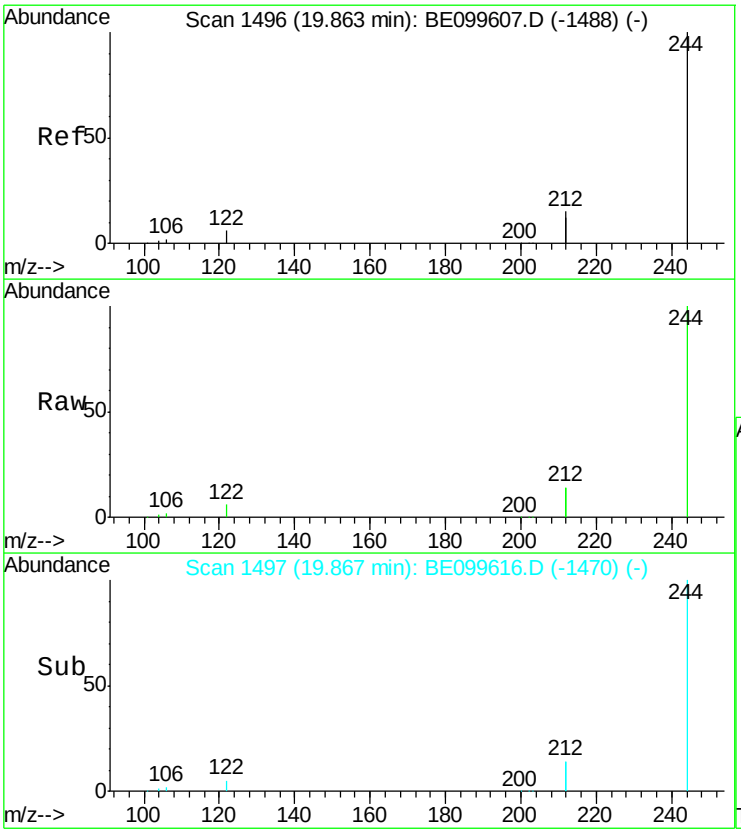
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:240 Resp: 17022

Ion	Ratio	Lower	Upper
240	100		
120	3.1	5.7	8.5#
236	26.2	22.8	34.2

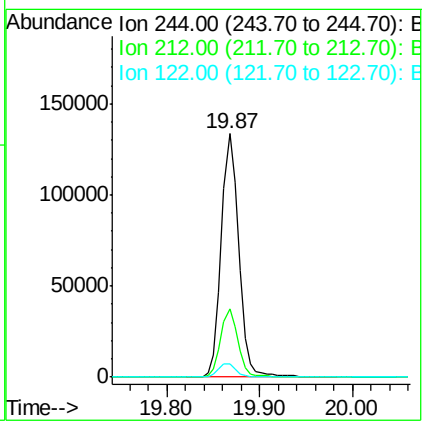


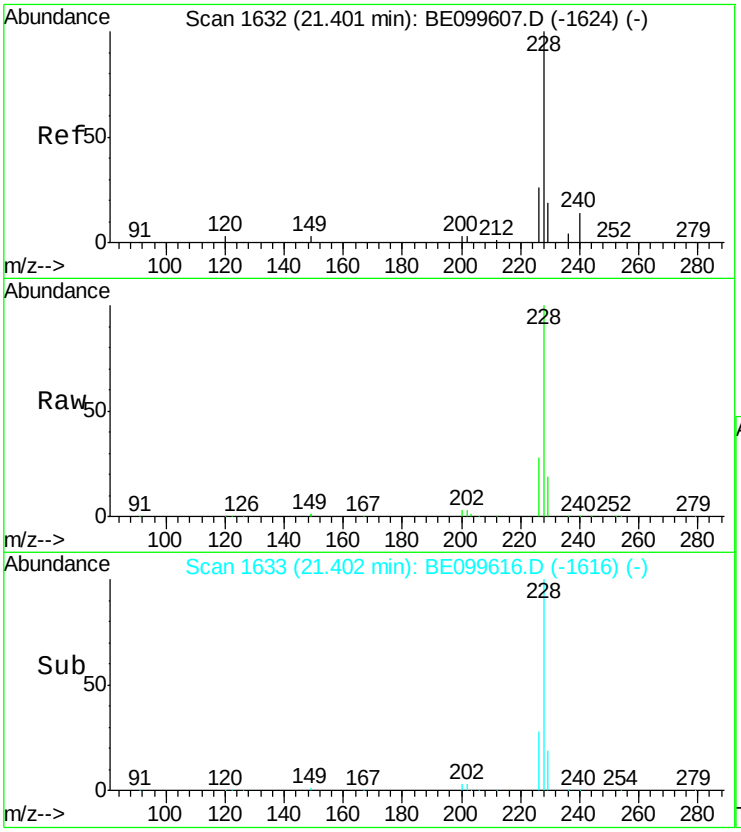


#29
Terphenyl-d14
Concen: 5.694 ng
RT: 19.87 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion:244 Resp: 174451

Ion	Ratio	Lower	Upper
244	100		
212	28.2	23.8	35.6
122	5.5	5.0	7.6



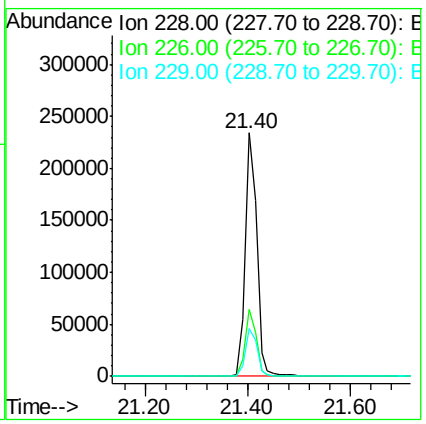


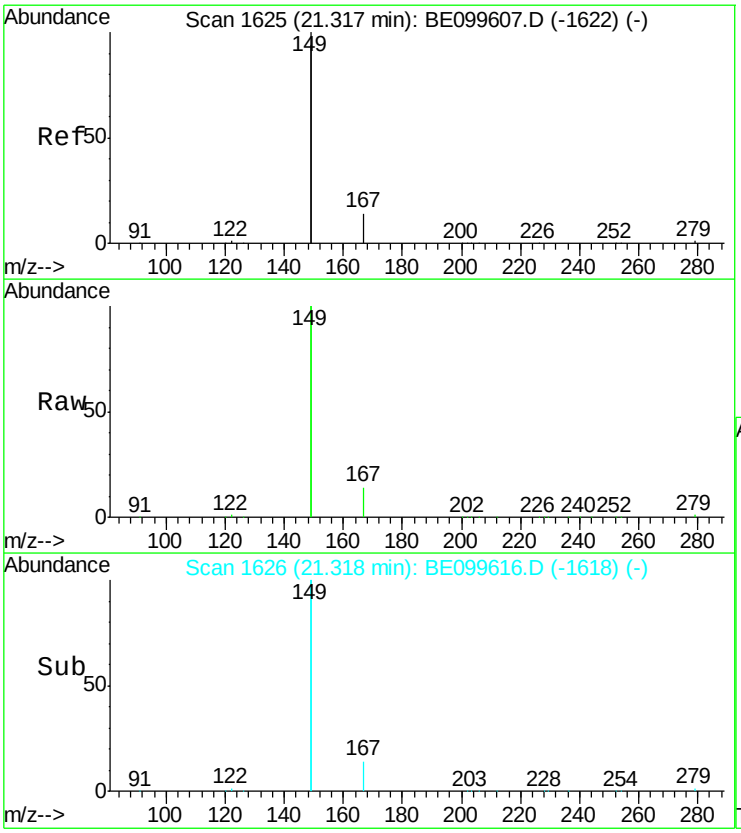
#30
Benzo(a)anthracene
Concen: 7.018 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:228 Resp: 361008

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.4	32.2
229	19.4	15.8	23.8

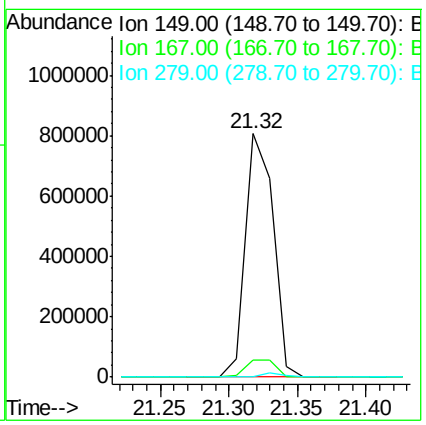


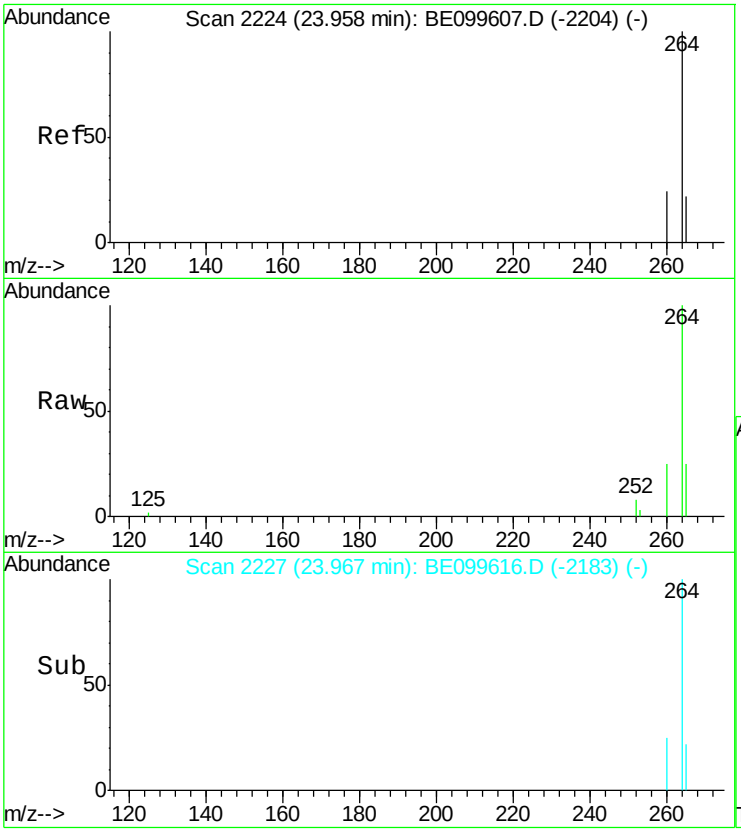


#32
Bis(2-ethylhexyl)phthalate
Concen: 14.305 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion:149 Resp: 1134803

Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.0	9.0
279	1.5	1.1	1.7



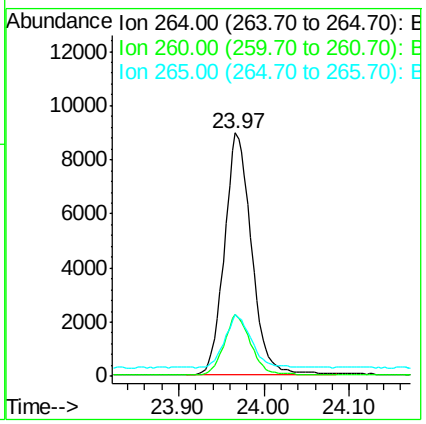


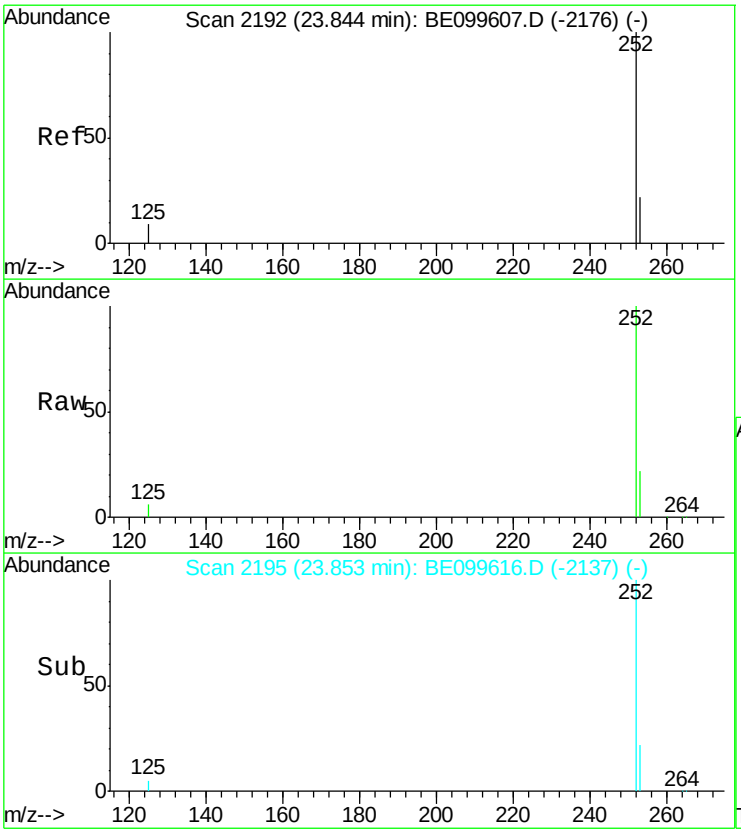
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.97 min Scan# 2227
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:264 Resp: 19738

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	25.3	21.2	31.8

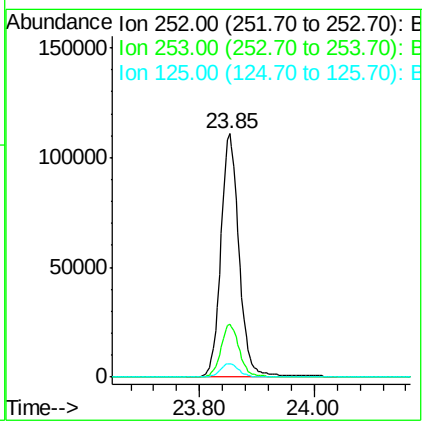


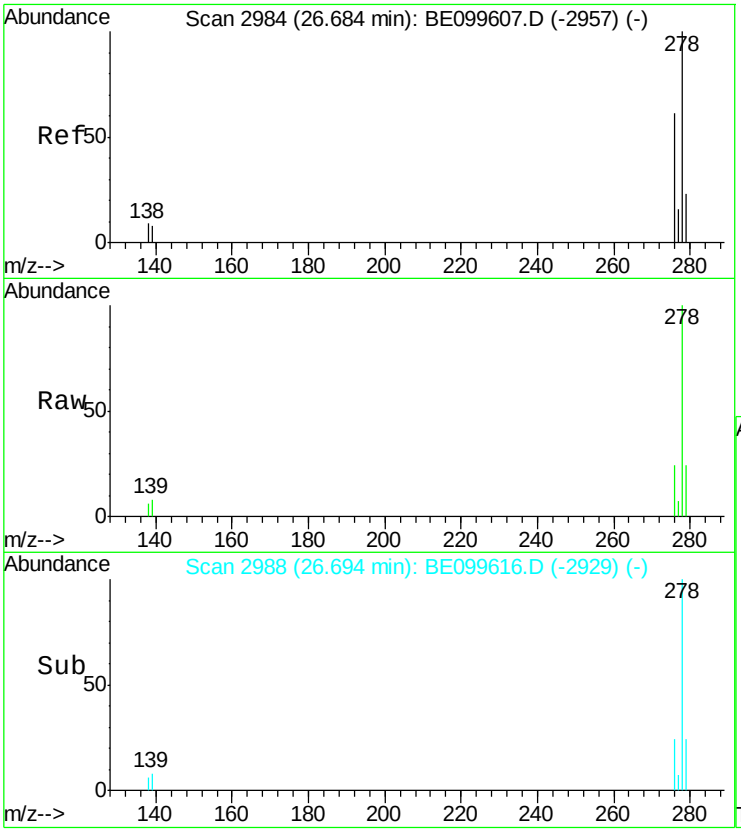


#37
Benzo(a)pyrene
Concen: 4.560 ng
RT: 23.85 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion:252 Resp: 243776

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.0	28.6
125	5.6	8.8	13.2#



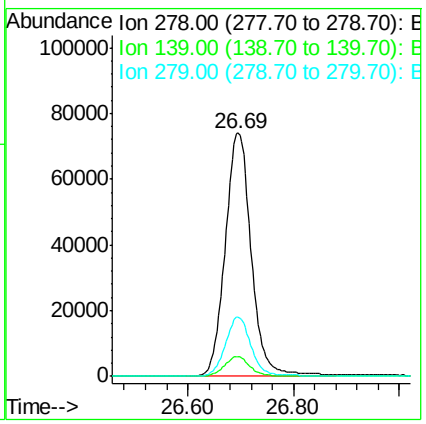


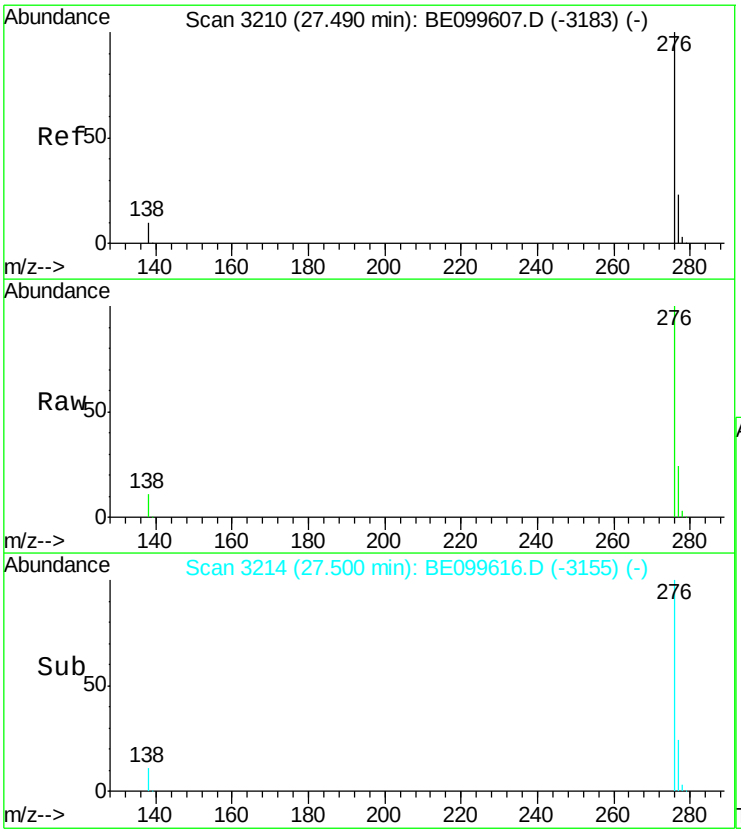
#38
Dibenzo(a,h)anthracene
Concen: 4.574 ng
RT: 26.69 min Scan# 2988
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:278 Resp: 253570

Ion	Ratio	Lower	Upper
278	100		
139	8.0	7.9	11.9
279	24.3	19.5	29.3





#39
Benzo(g,h,i)perylene
Concen: 2.530 ng
RT: 27.50 min Scan# 3214
Delta R.T. 0.01 min
Lab File: BE099616.D
Acq: 15 May 2019 17:42

Tgt Ion:276 Resp: 141035

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	10.7	9.1	13.7