Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
Data File : BF113294.D
Acq On : 26 Mar 2019 16:29
Operator : JU/SJ
Sample : K1560-01
Misc : 16PPM LOD
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 27 09:03:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	157761	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	556666	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	304392	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	611930	20.00	ng	0.00
76) Chrysene-d12	13.84	240	551719	20.00	ng	0.00
87) Perylene-d12	15.24	264	552966	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1166264	120.88	ng	0.00
7) Phenol-d6	6.35	99	1446713	118.53	ng	0.00
23) Nitrobenzene-d5	7.27	82	879691	93.80	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	466440	124.06	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1539186	77.75	ng	0.00
79) Terphenyl-d14	12.79	244	1886201	75.36	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.36	93	240739	16.196	ng	89
9) Benzaldehyde	6.25	77	137979	16.846	ng	98
15) Benzyl Alcohol	6.85	79	141250	17.542	ng	98
32) Benzoic acid	7.76	122	90753	15.151	ng	97
33) 4-Chloroaniline	8.06	127	201198	18.967	ng	100
51) 2,6-Dinitrotoluene	9.52	165	87952	17.283	ng	90
55) Dibenzofuran	9.94	168	508719	18.986	ng	97
56) 4-Nitrophenol	9.86	139	65705	16.059	ng	93
65) 4,6-Dinitro-2-methylphenol	10.33	198	52234	15.604	ng	91
70) Pentachlorophenol	11.03	266	63571	15.761	ng	97

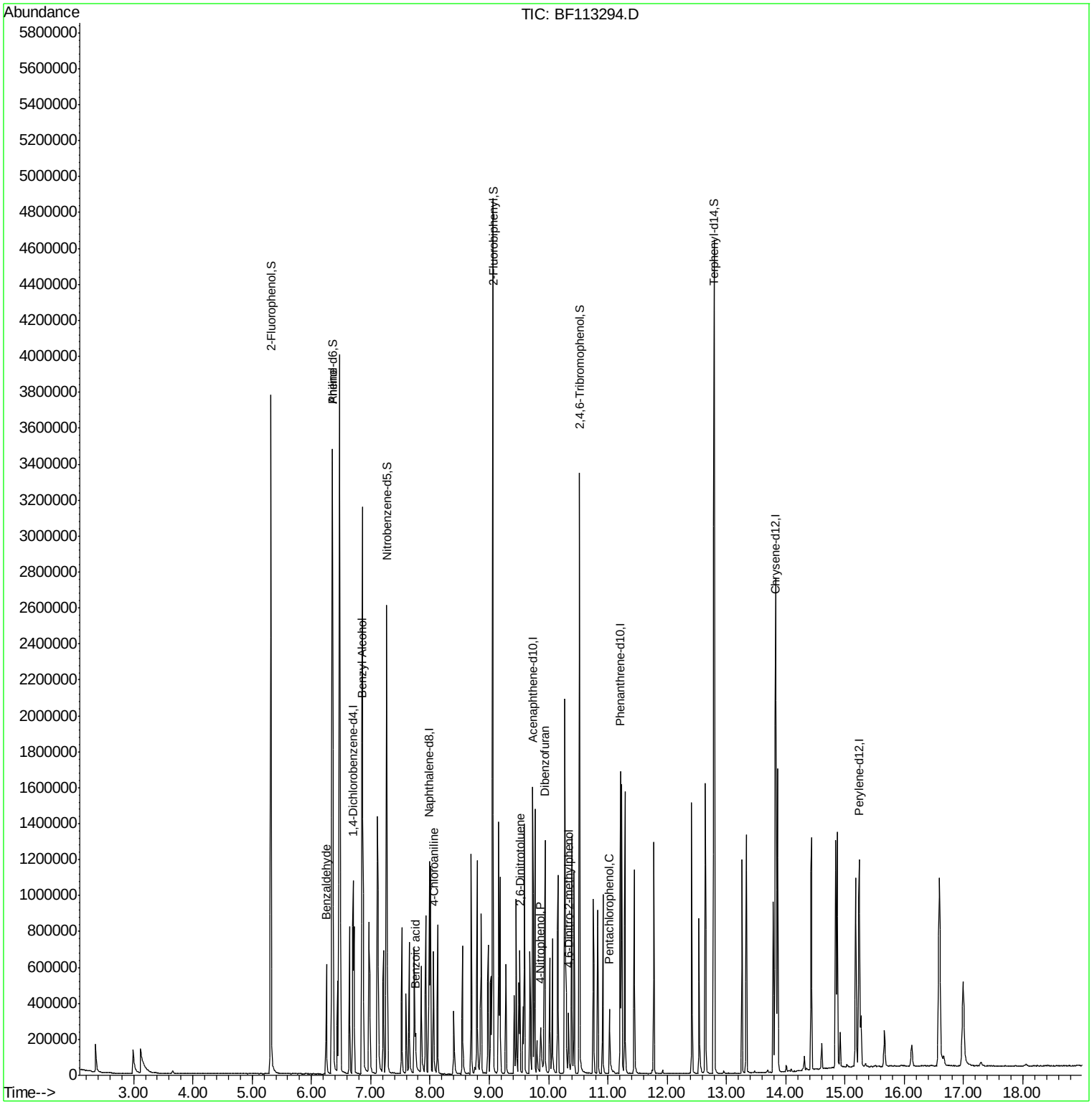
(#) = qualifier out of range (m) = manual integration (+) = signals summed

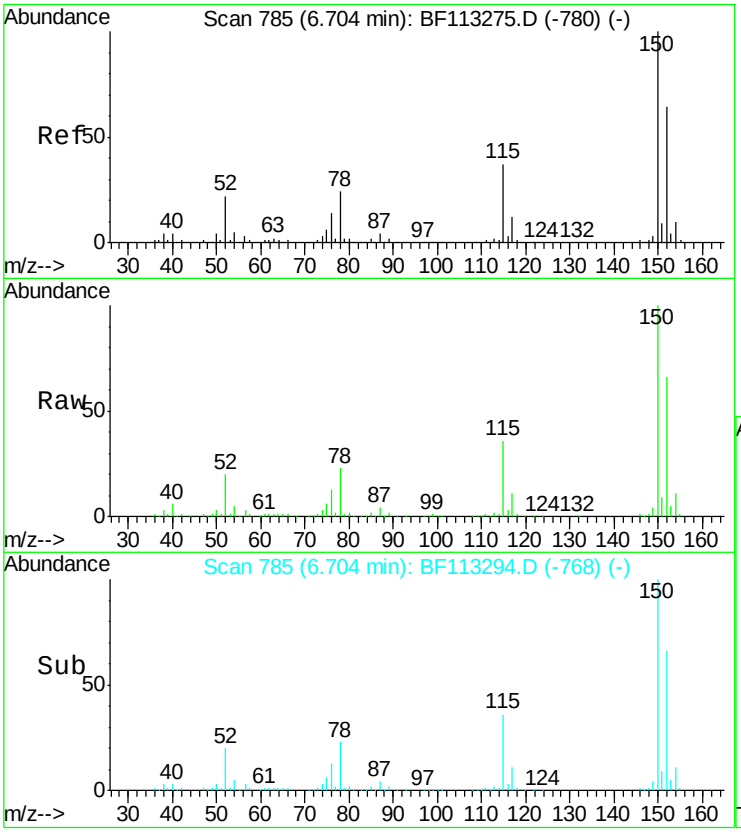
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
Data File : BF113294.D
Acq On : 26 Mar 2019 16:29
Operator : JU/SJ
Sample : K1560-01
Misc : 16PPM LOD
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 27 09:03:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration



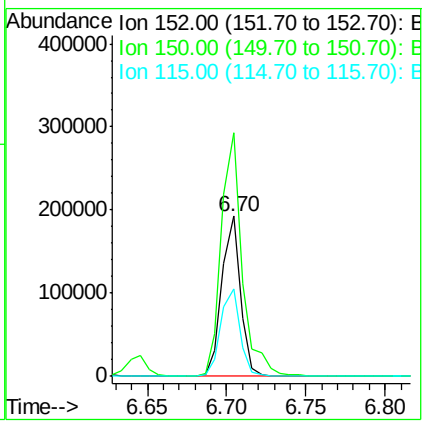


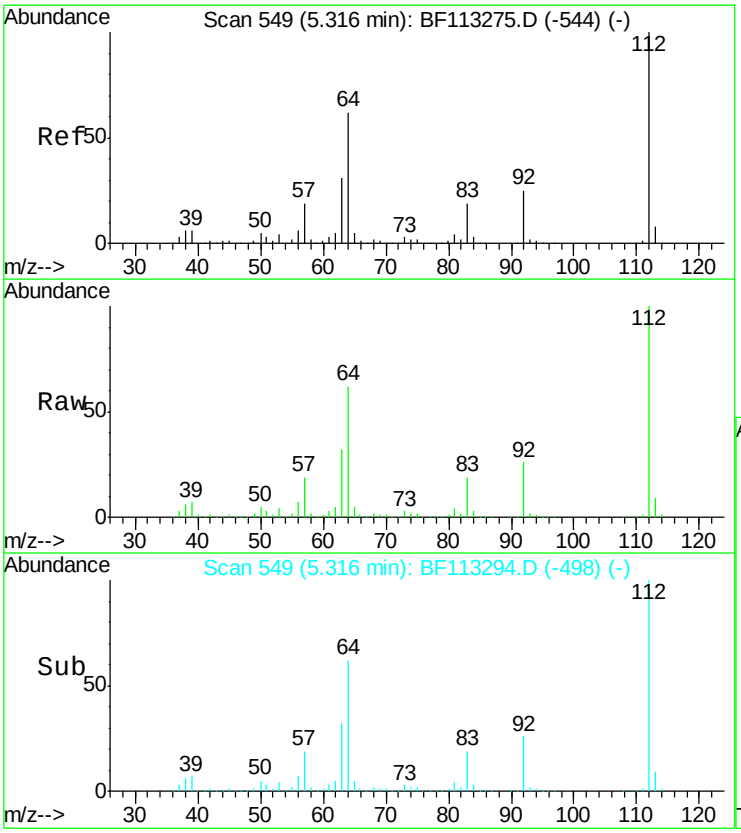
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:152 Resp: 157761

Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.7	187.1
115	54.9	46.0	69.0

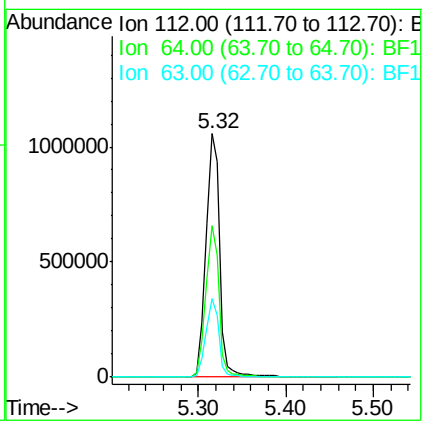


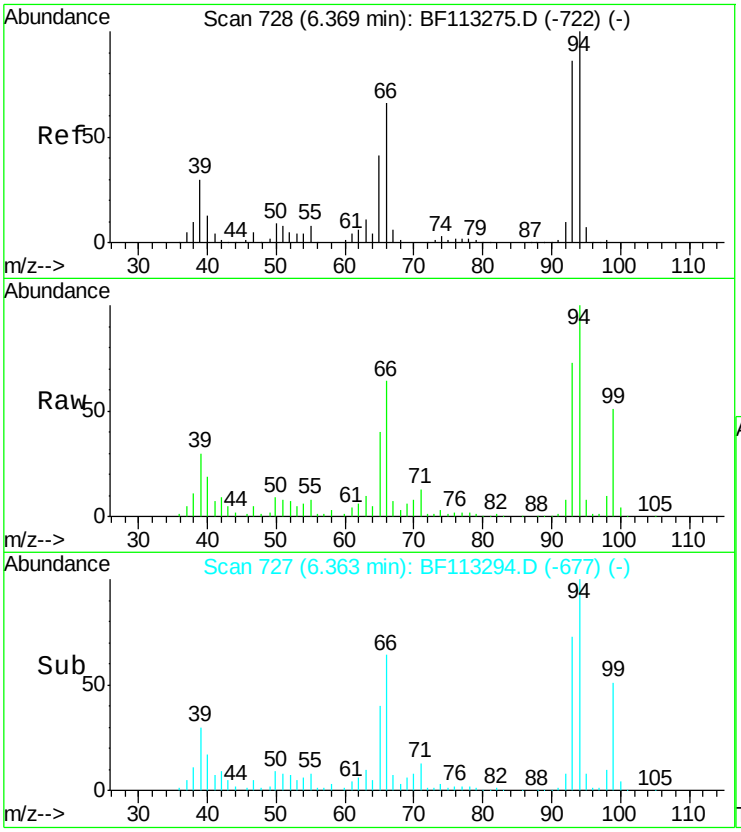


#5
2-Fluorophenol
Concen: 120.878 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:112 Resp: 1166264

Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.2	73.8
63	32.1	24.9	37.3



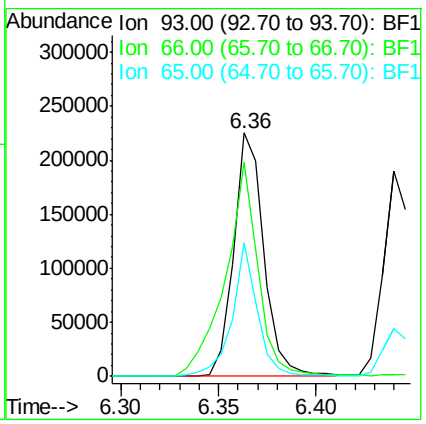


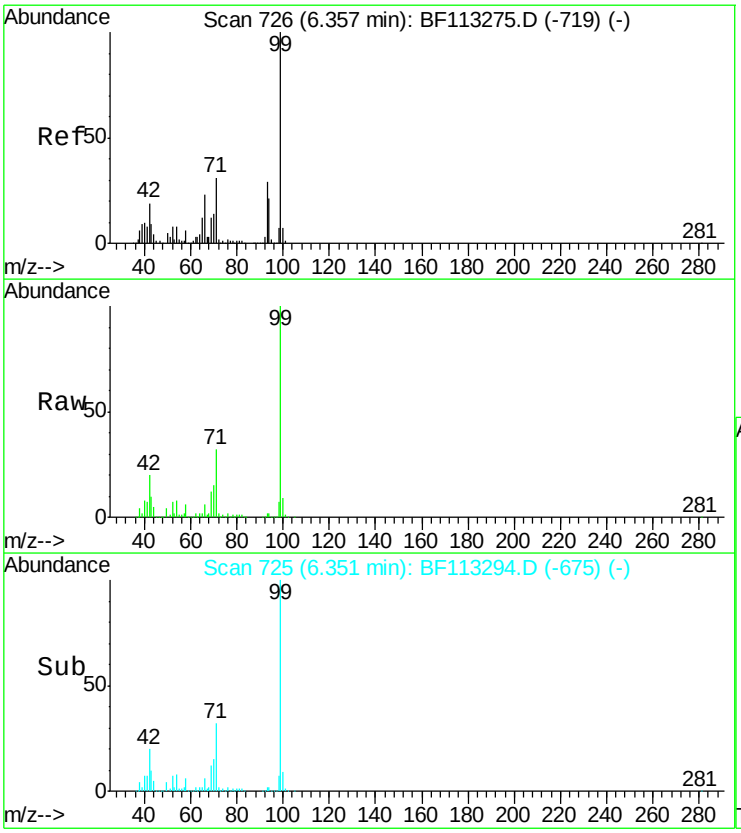
#6
Aniline
Concen: 16.196 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 93 Resp: 240739

Ion	Ratio	Lower	Upper
93	100		
66	88.1	62.1	93.1
65	54.6	38.7	58.1

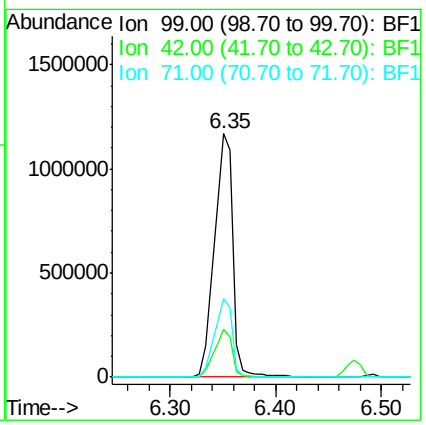


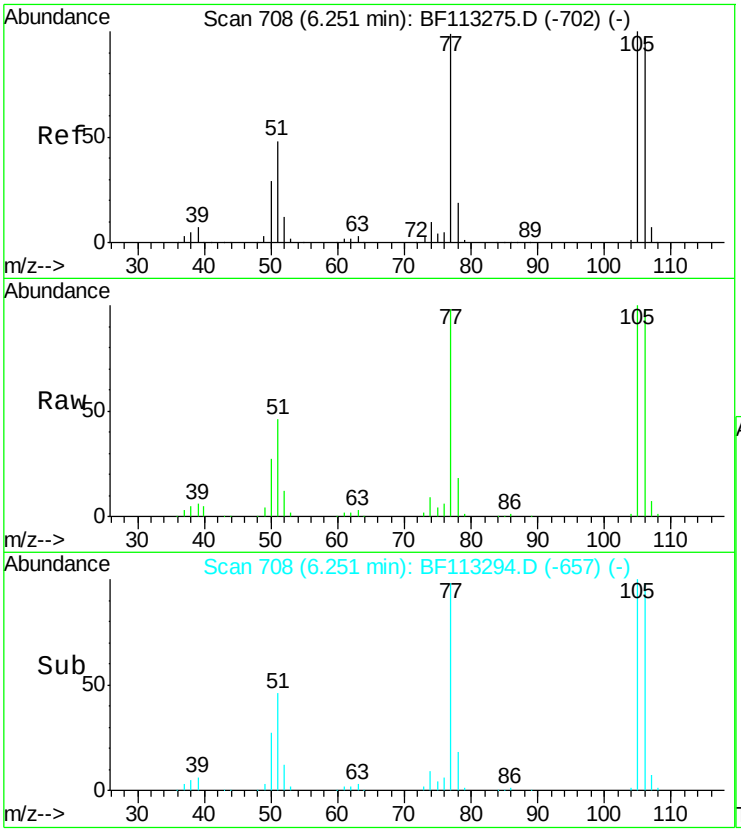


#7
Phenol-d6
Concen: 118.529 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion: 99 Resp: 1446713

Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.8	22.2
71	32.3	24.9	37.3



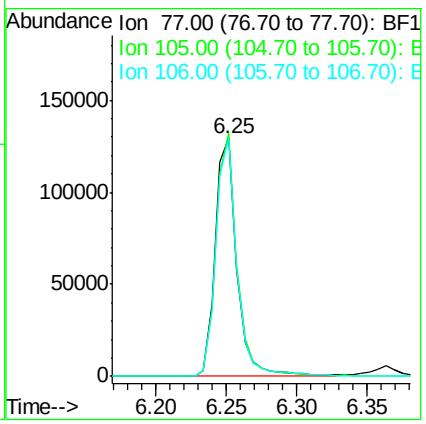


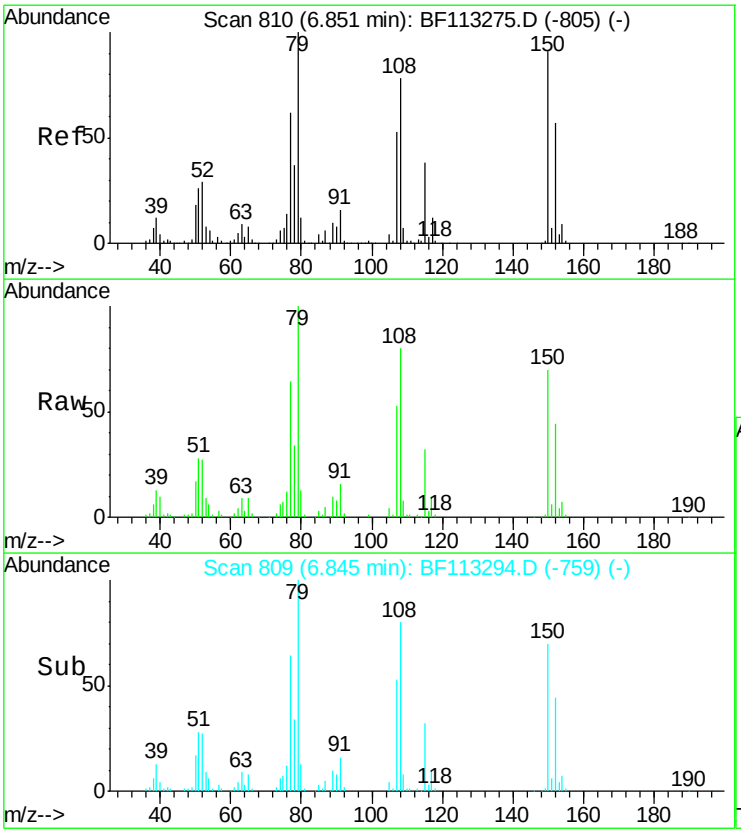
#9
Benzaldehyde
Concen: 16.846 ng
RT: 6.25 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 77 Resp: 137979

Ion	Ratio	Lower	Upper
77	100		
105	102.3	80.9	120.9
106	100.1	77.8	117.8

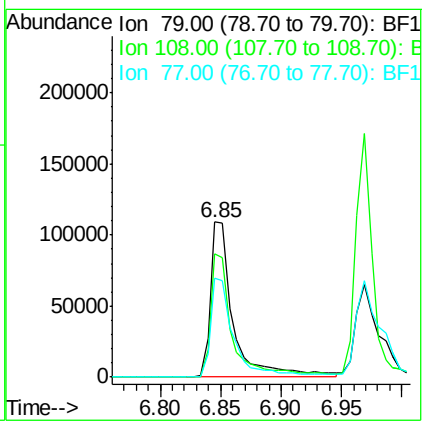


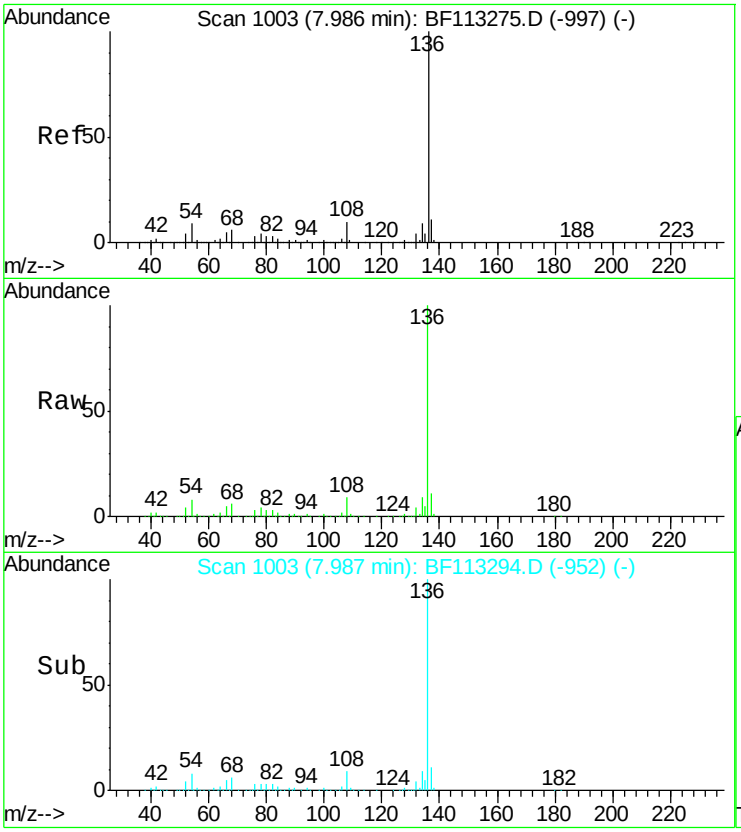


#15
Benzyl Alcohol
Concen: 17.542 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion: 79 Resp: 141250

Ion	Ratio	Lower	Upper
79	100		
108	79.5	62.0	93.0
77	64.0	49.9	74.9



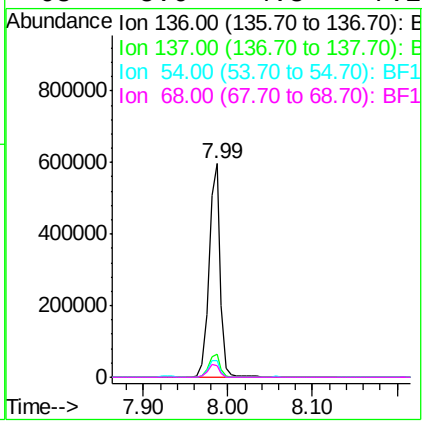


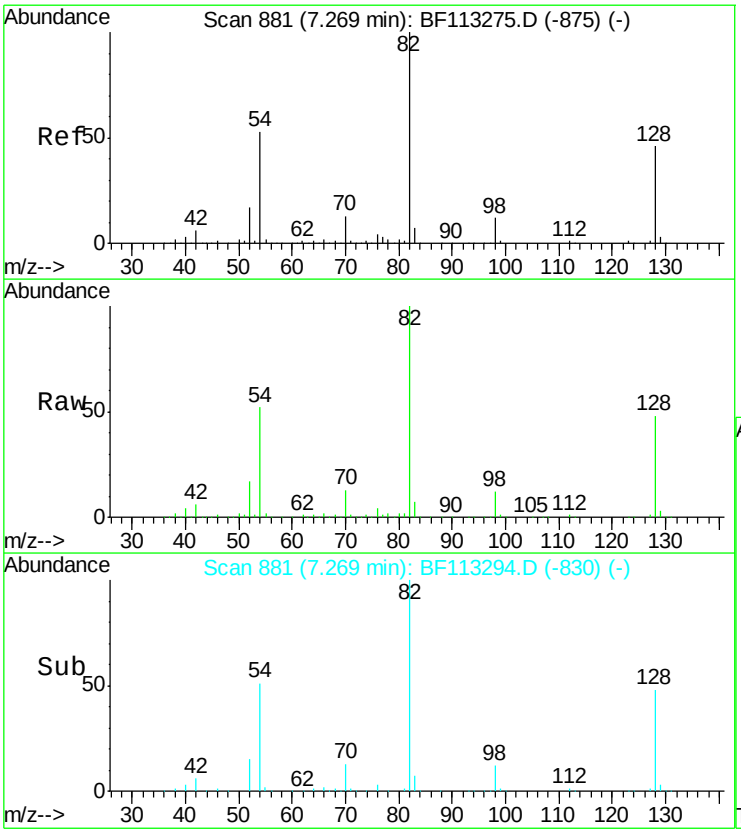
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:136 Resp: 556666

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.6	7.0	10.6
68	5.6	4.8	7.2

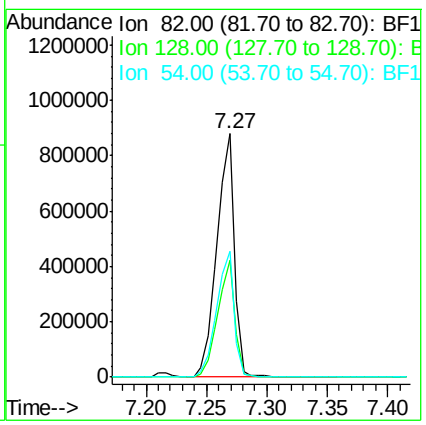


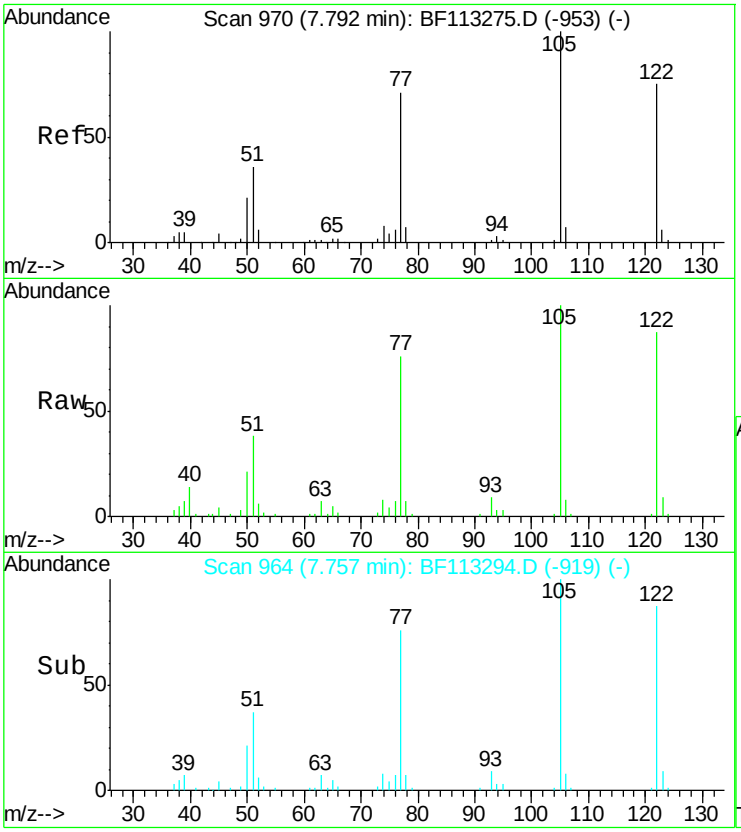


#23
Nitrobenzene-d5
Concen: 93.796 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion: 82 Resp: 879691

Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.5	54.7
54	51.8	42.2	63.2



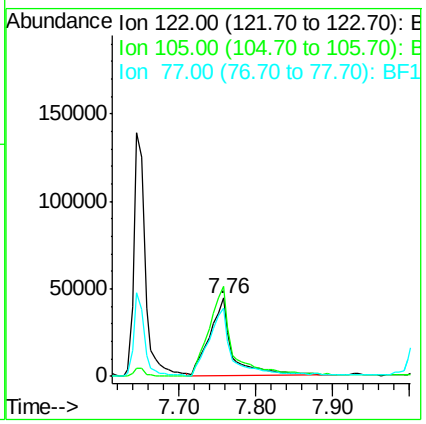


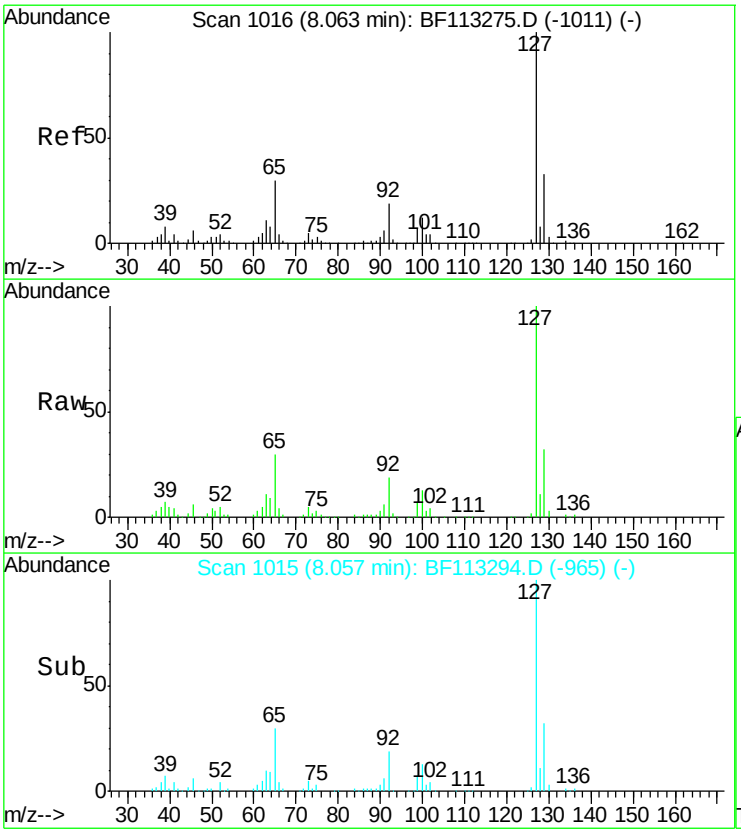
#32
Benzoic acid
Concen: 15.151 ng
RT: 7.76 min Scan# 964
Delta R.T. -0.03 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:122 Resp: 90753

Ion	Ratio	Lower	Upper
122	100		
105	115.5	100.4	140.4
77	87.8	69.0	109.0

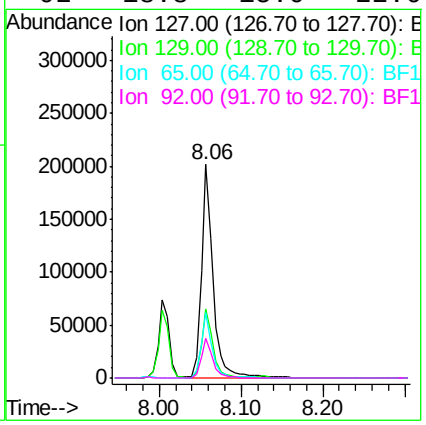


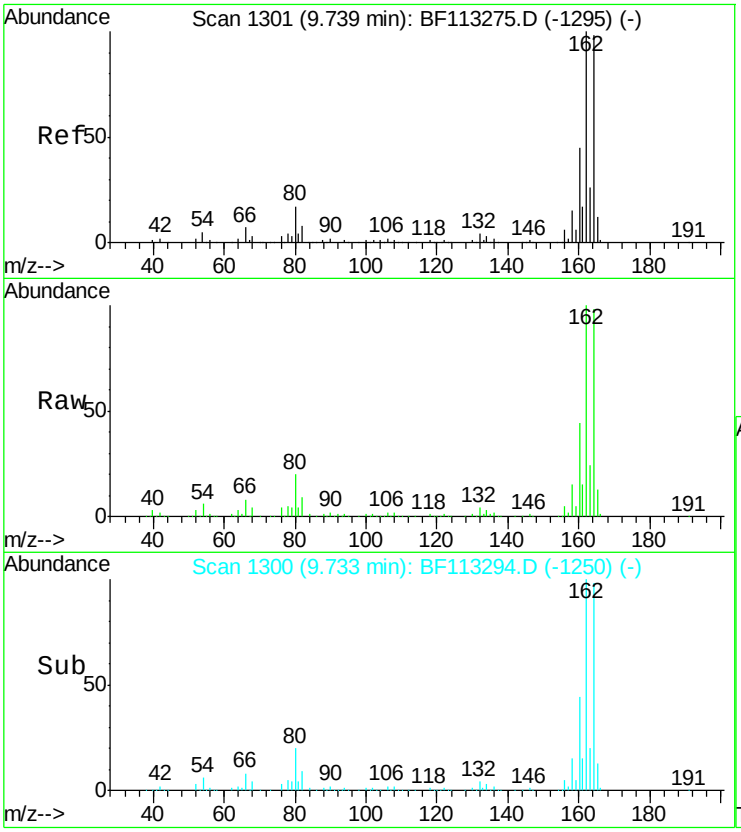


#33
4-Chloroaniline
Concen: 18.967 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:127 Resp: 201198

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.3	39.5
65	30.4	24.2	36.4
92	18.8	15.0	22.6



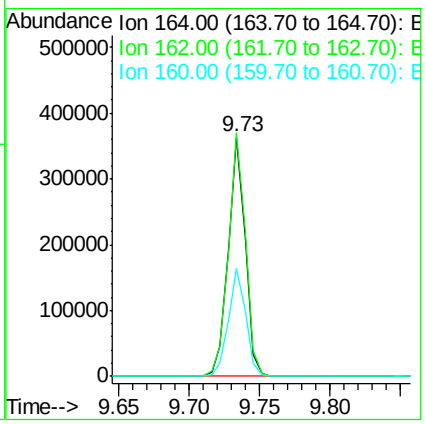


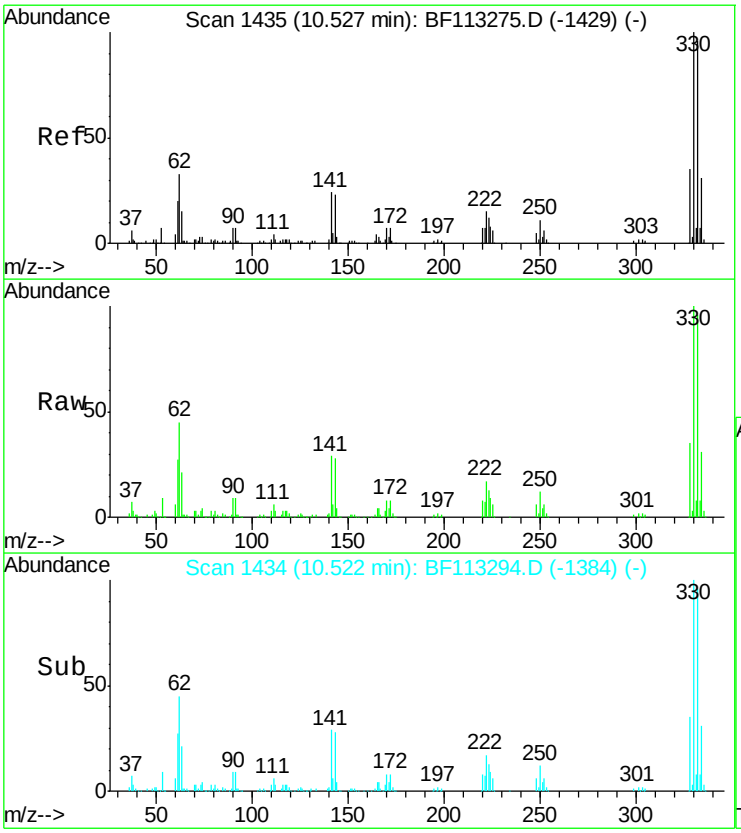
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:164 Resp: 304392

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.8	122.6
160	44.9	36.4	54.6

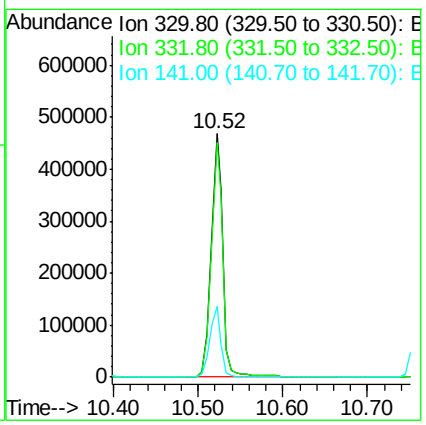


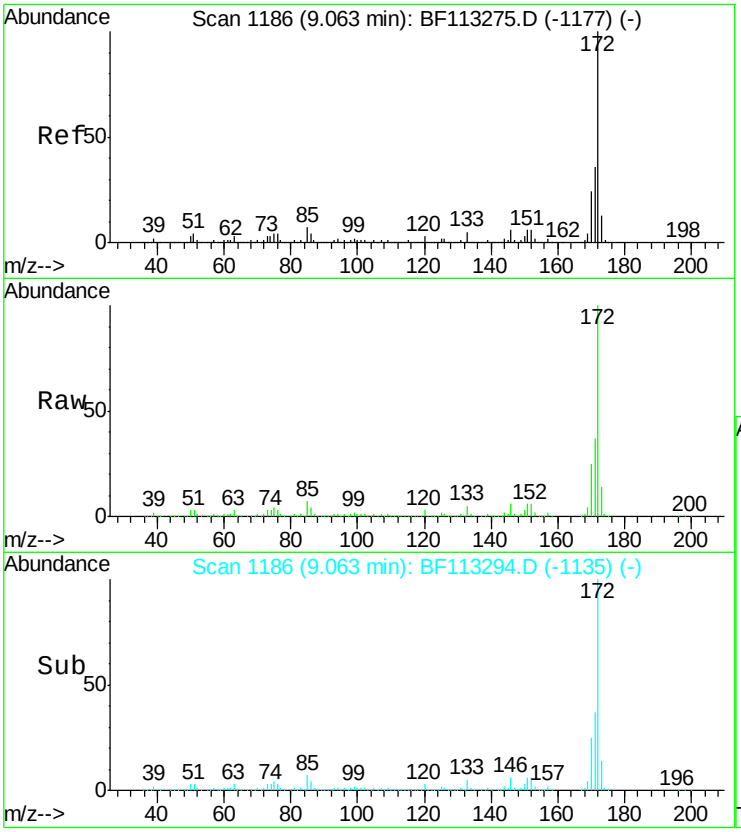


#42
2,4,6-Tribromophenol
Concen: 124.055 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:330 Resp: 466440

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.8	116.6
141	27.6	22.7	34.1



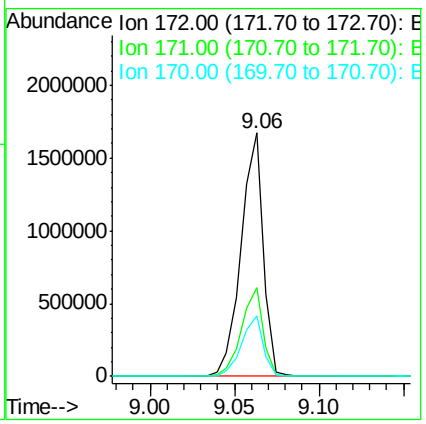


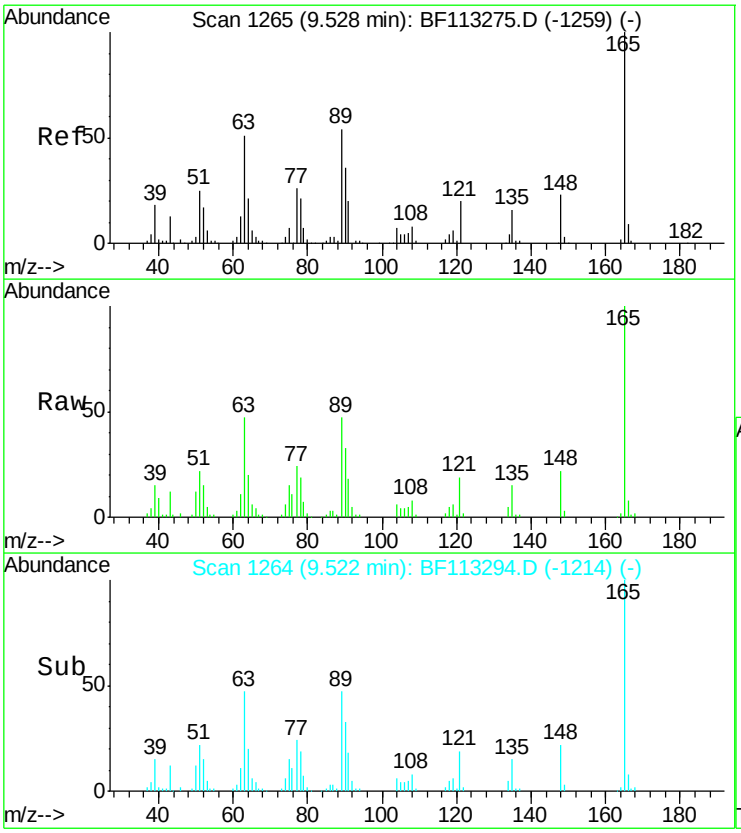
#45
2-Fluorobiphenyl
Concen: 77.751 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:172 Resp: 1539186

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.6
170	24.6	19.5	29.3

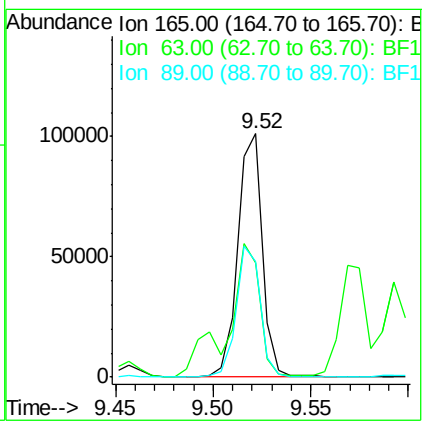


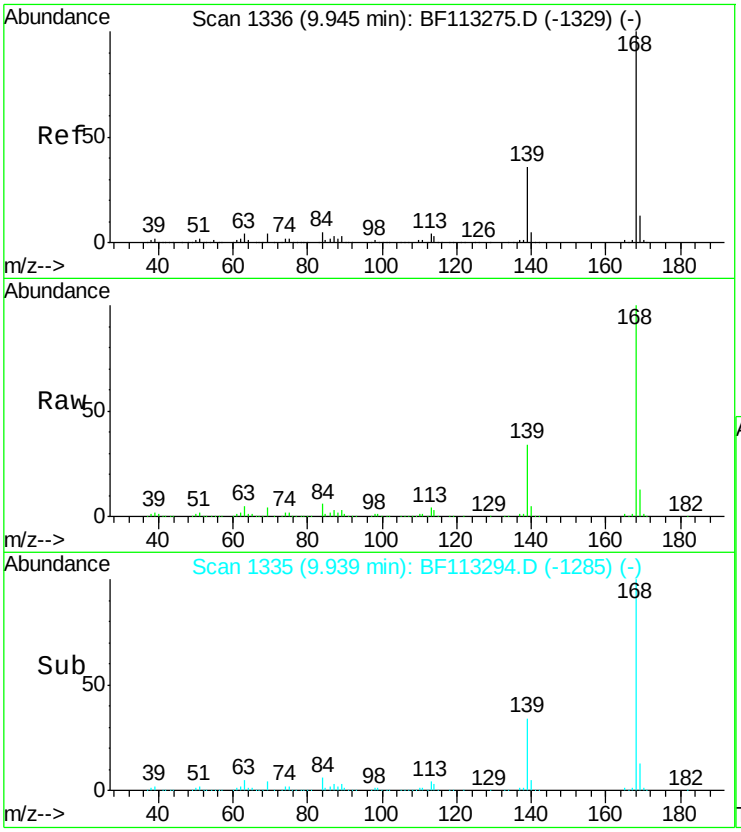


#51
2,6-Dinitrotoluene
Concen: 17.283 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:165 Resp: 87952

Ion	Ratio	Lower	Upper
165	100		
63	47.0	43.4	65.0
89	47.4	43.1	64.7



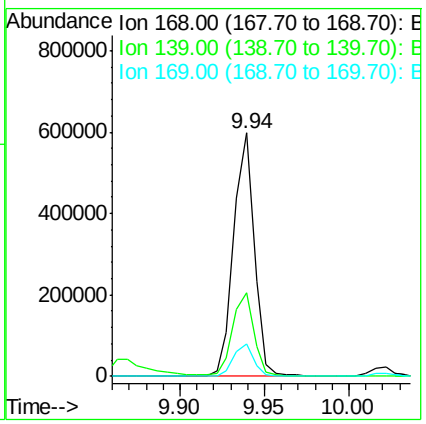


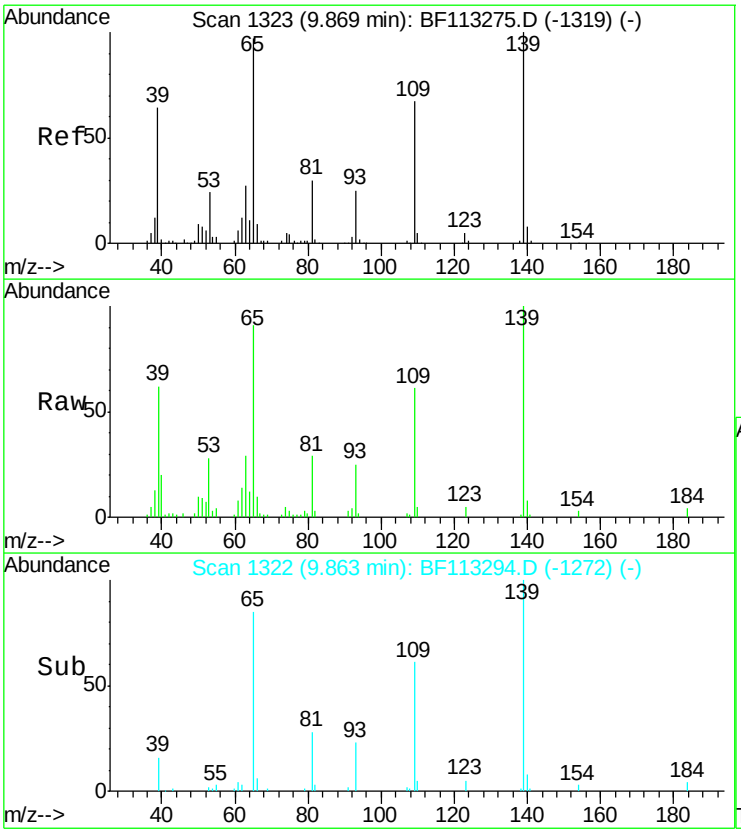
#55
Dibenzofuran
Concen: 18.986 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:168 Resp: 508719

Ion	Ratio	Lower	Upper
168	100		
139	34.4	29.7	44.5
169	13.5	10.7	16.1

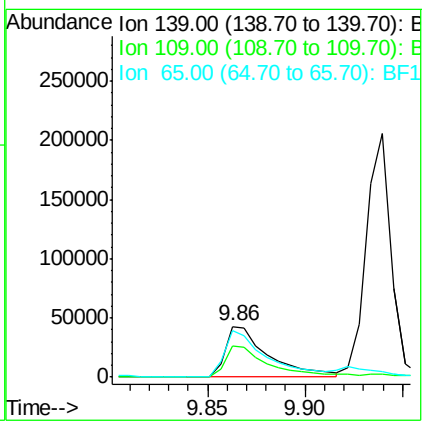


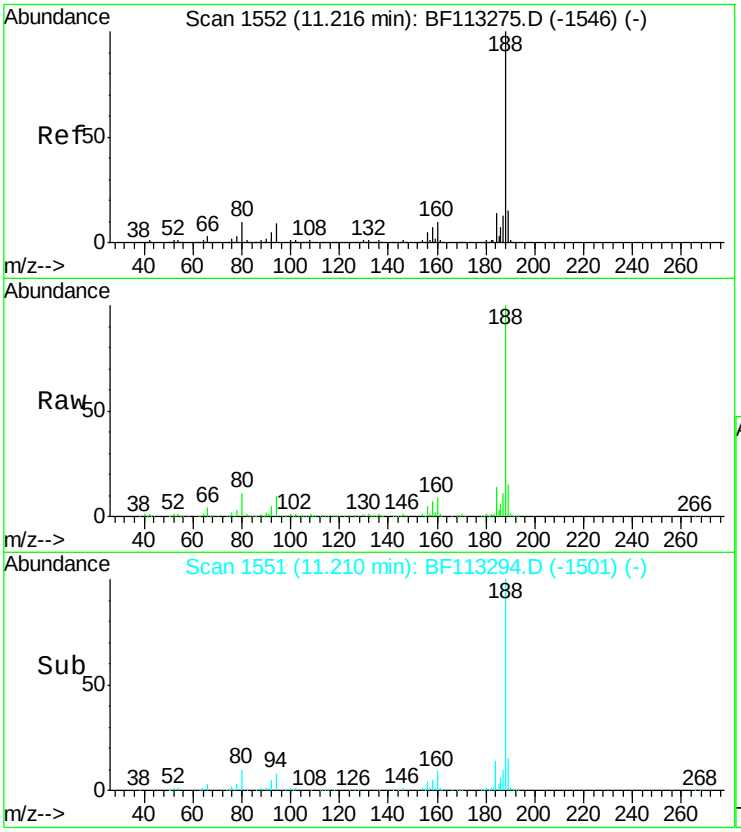


#56
4-Nitrophenol
Concen: 16.059 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:139 Resp: 65705

Ion	Ratio	Lower	Upper
139	100		
109	60.8	46.9	86.9
65	91.5	77.2	117.2



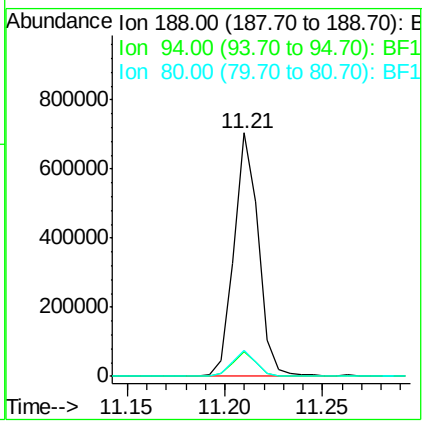


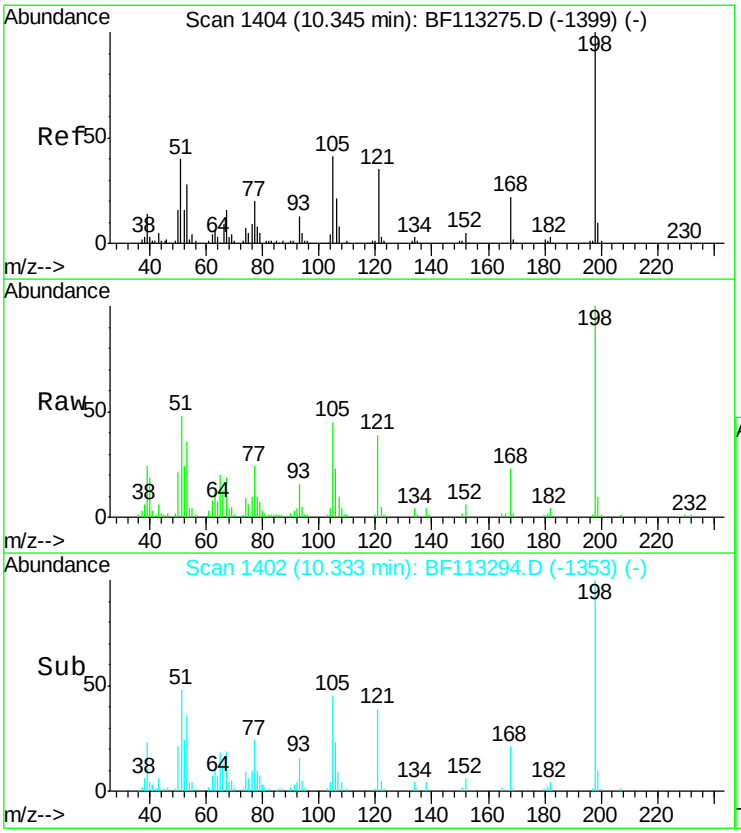
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:188 Resp: 611930

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.0	10.6
80	10.6	7.7	11.5

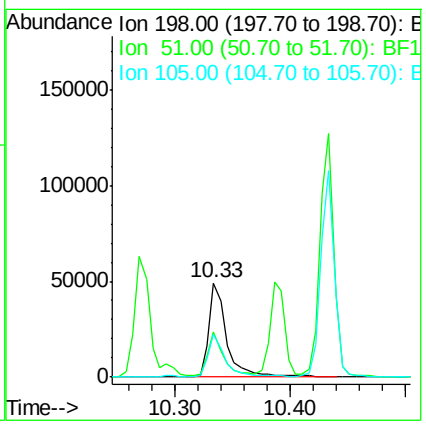


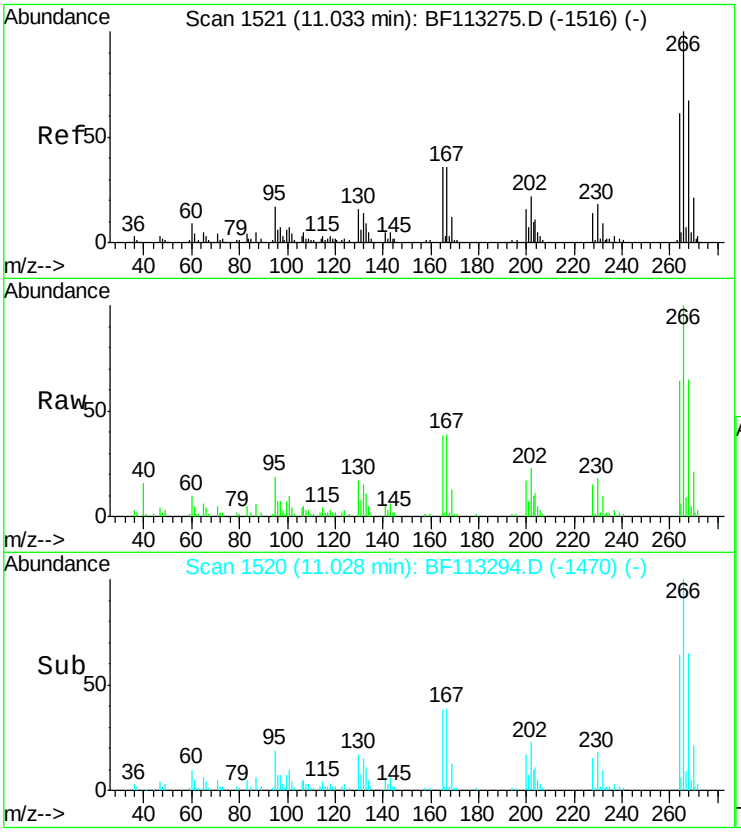


#65
4,6-Dinitro-2-methylphenol
Concen: 15.604 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:198 Resp: 52234

Ion	Ratio	Lower	Upper
198	100		
51	48.3	21.6	61.6
105	44.8	20.6	60.6



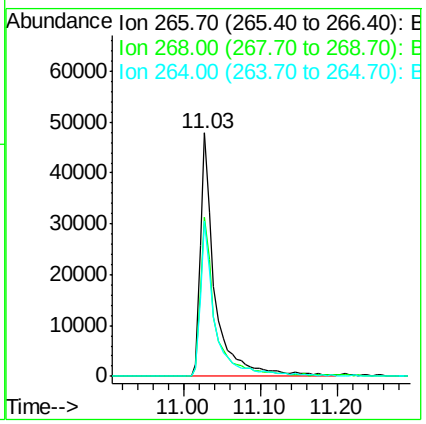


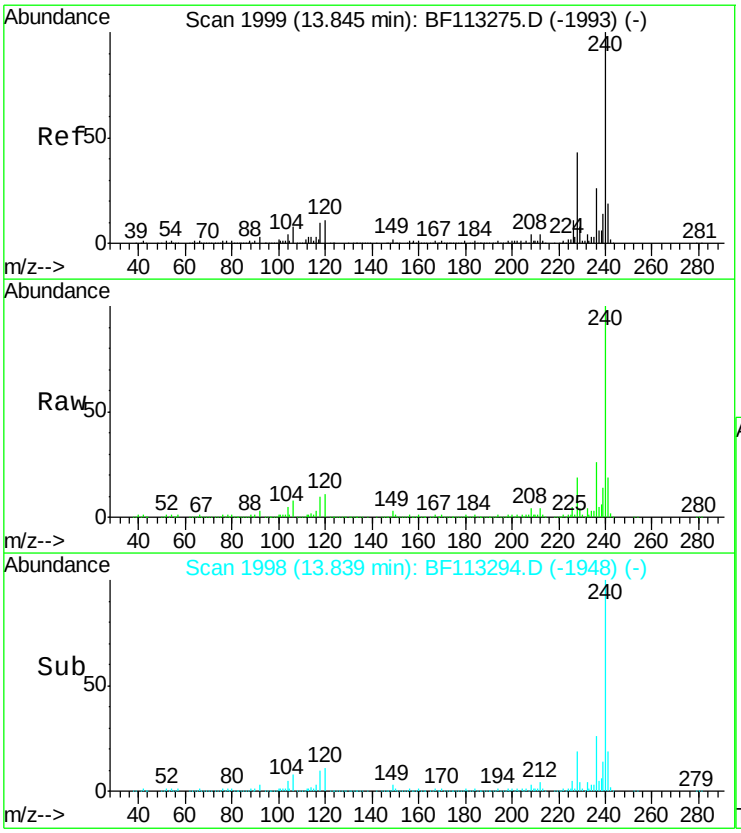
#70
Pentachlorophenol
Concen: 15.761 ng
RT: 11.03 min Scan# 1520
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:266 Resp: 63571

Ion	Ratio	Lower	Upper
266	100		
268	65.3	53.8	80.6
264	63.6	49.2	73.8

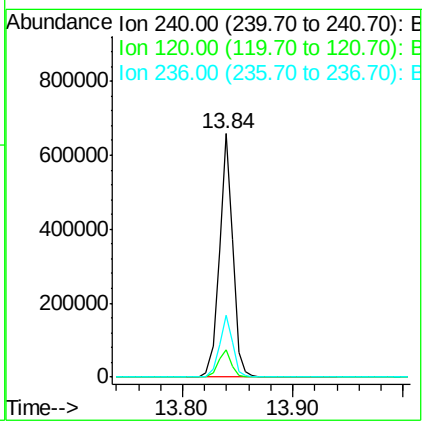


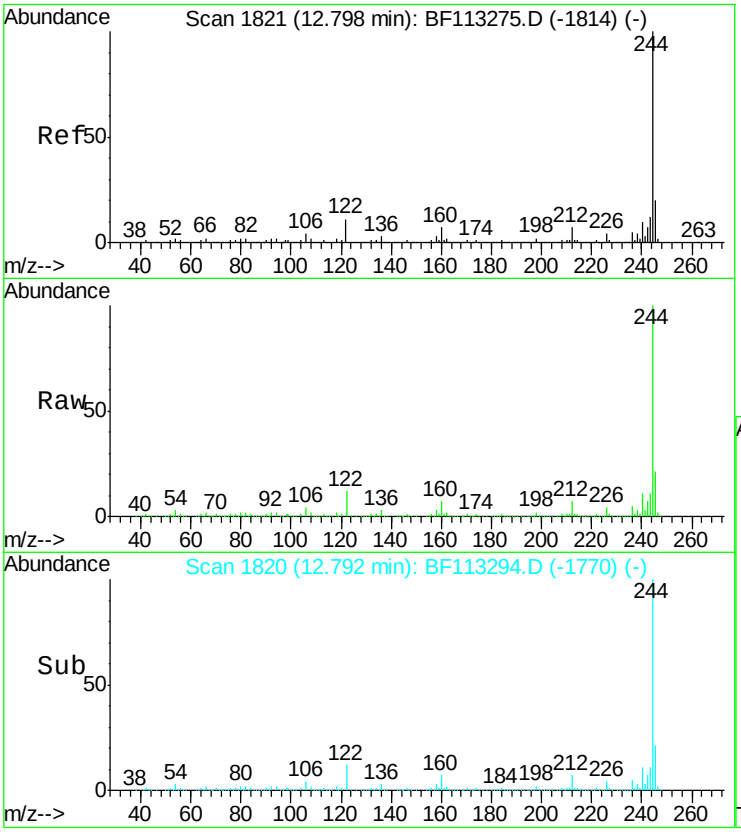


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:240 Resp: 551719

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.8	13.2
236	25.7	20.9	31.3



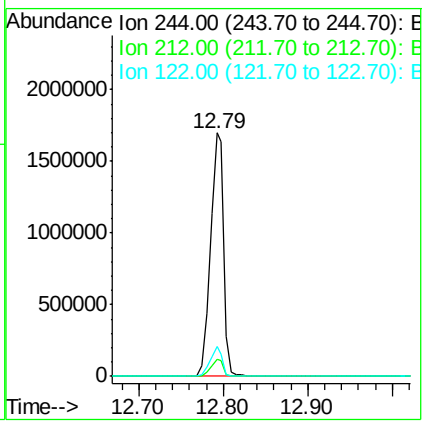


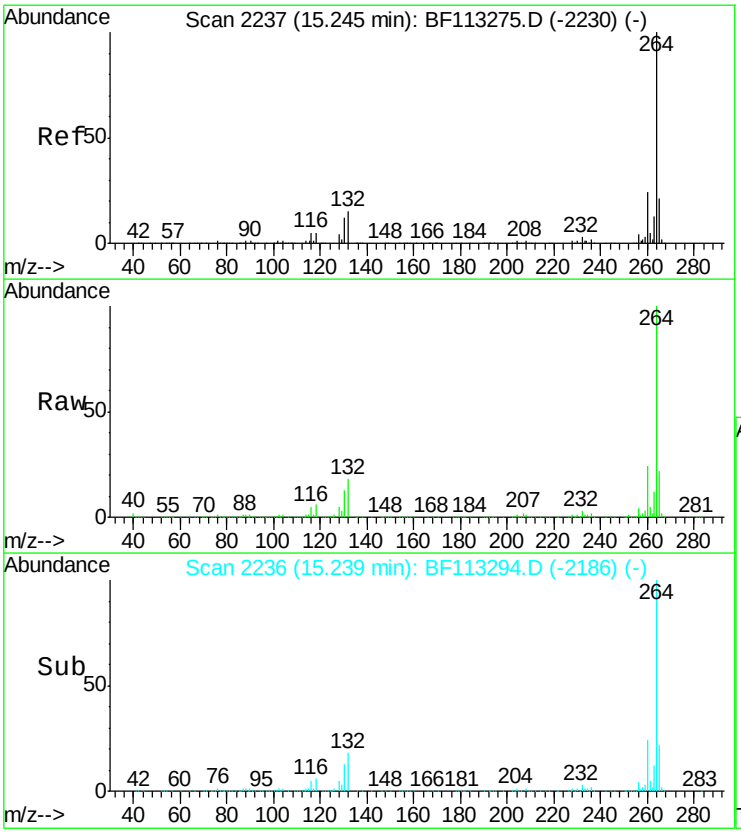
#79
Terphenyl-d14
Concen: 75.355 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:244 Resp: 1886201

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	12.0	8.6	13.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:264 Resp: 552966

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	22.4	17.1	25.7