Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101719\
Data File : BF117431.D
Acq On : 17 Oct 2019 19:40
Operator : JU
Sample : K5393-26
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16-G1-(0-27)

Quant Time: Oct 18 03:55:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 14 19:03:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	44791	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	177430	20.00	ng		0.00
39) Acenaphthene-d10	9.82	164	94850	20.00	ng		0.00
64) Phenanthrene-d10	11.32	188	164702	20.00	ng		0.00
76) Chrysene-d12	13.96	240	148720	20.00	ng		0.00
87) Perylene-d12	15.42	264	150530	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	370911	127.41	ng		0.00
7) Phenol-d6	6.44	99	496132	128.45	ng		0.00
23) Nitrobenzene-d5	7.36	82	314741	89.92	ng		0.00
42) 2,4,6-Tribromophenol	10.62	330	122868	159.17	ng		0.00
45) 2-Fluorobiphenyl	9.15	172	581925	89.44	ng		0.00
79) Terphenyl-d14	12.90	244	710089	77.83	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.44	77	784	Below Cal		#	1
10) Phenol	6.45	94	12341	2.960	ng		87
19) n-Nitroso-di-n-propylamine	7.36	70	41094	16.686	ng	#	76
25) Isophorone	7.36	82	314738	50.477	ng	#	67
50) Dimethylphthalate	9.55	163	54738	8.036	ng		99
57) 2,4-Dinitrotoluene	9.82	165	12026	6.366	ng	#	12
65) 4,6-Dinitro-2-methylphenol	10.63	198	222	5.417	ng	#	29
67) 4-Bromophenyl-phenylether	10.62	248	7851	4.346	ng	#	1
77) Benzidine	12.90	184	9308	2.531	ng		98

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

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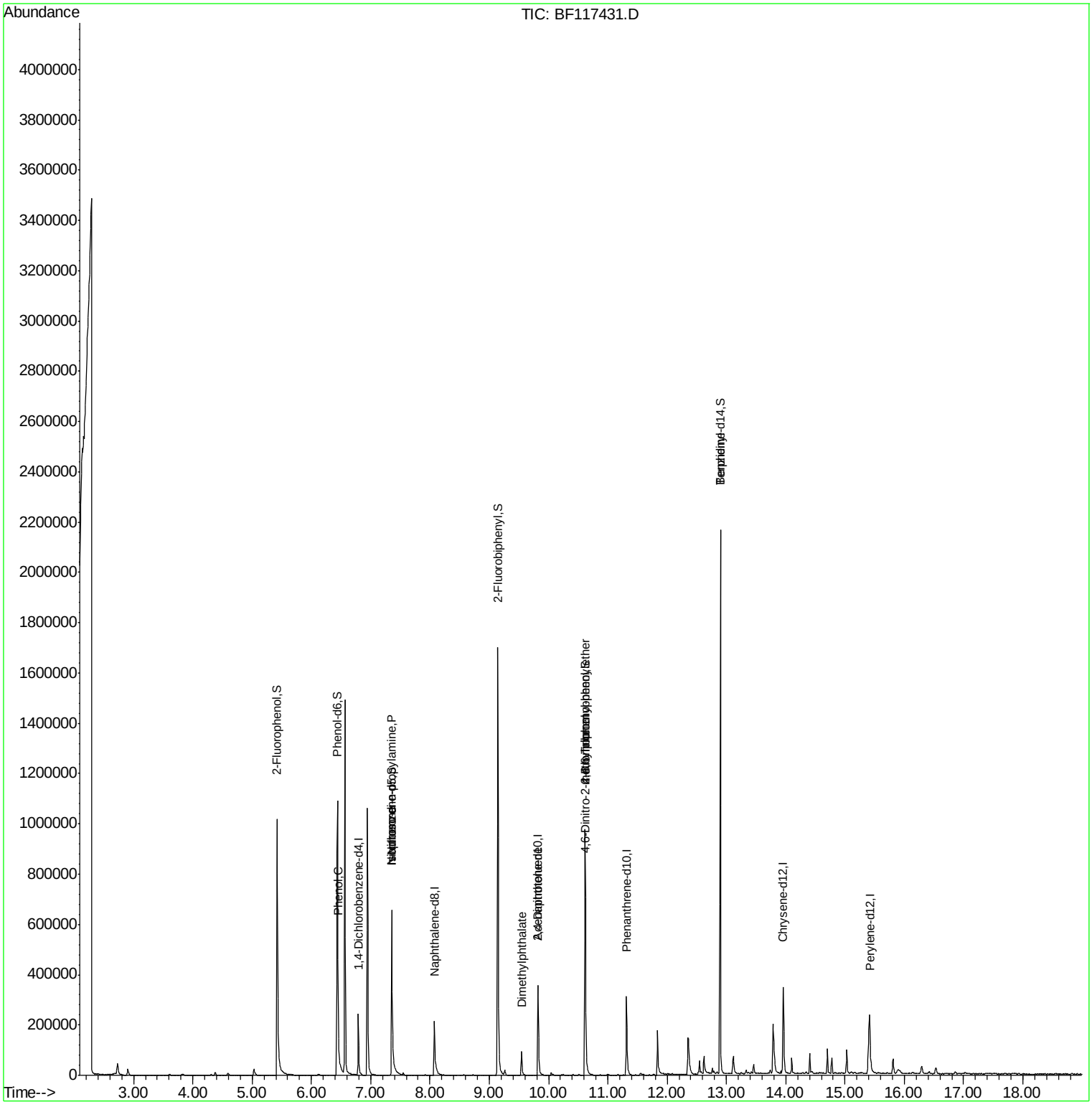
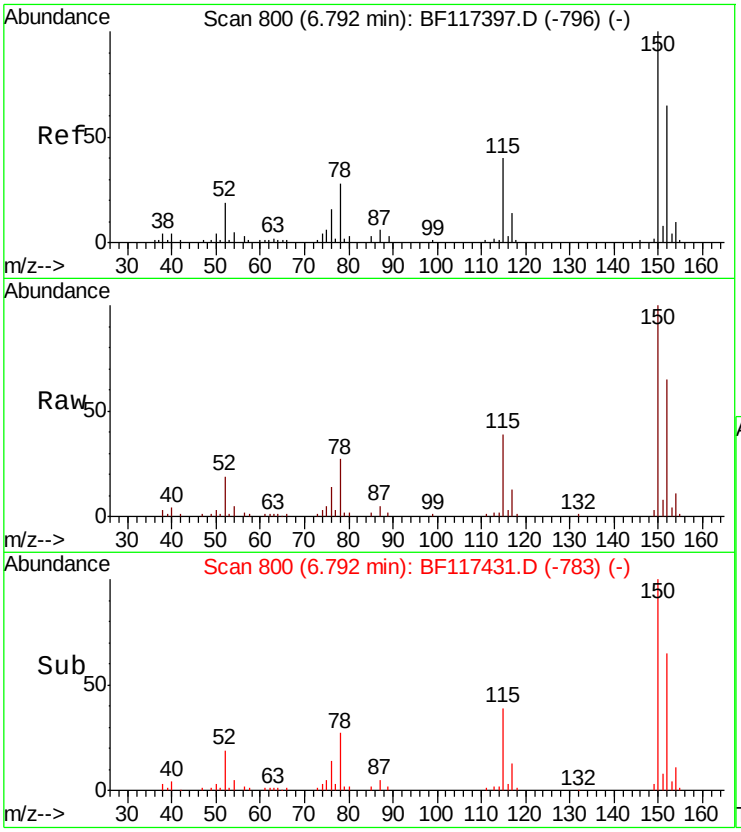


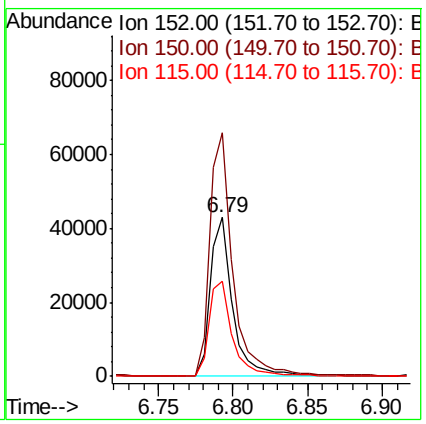


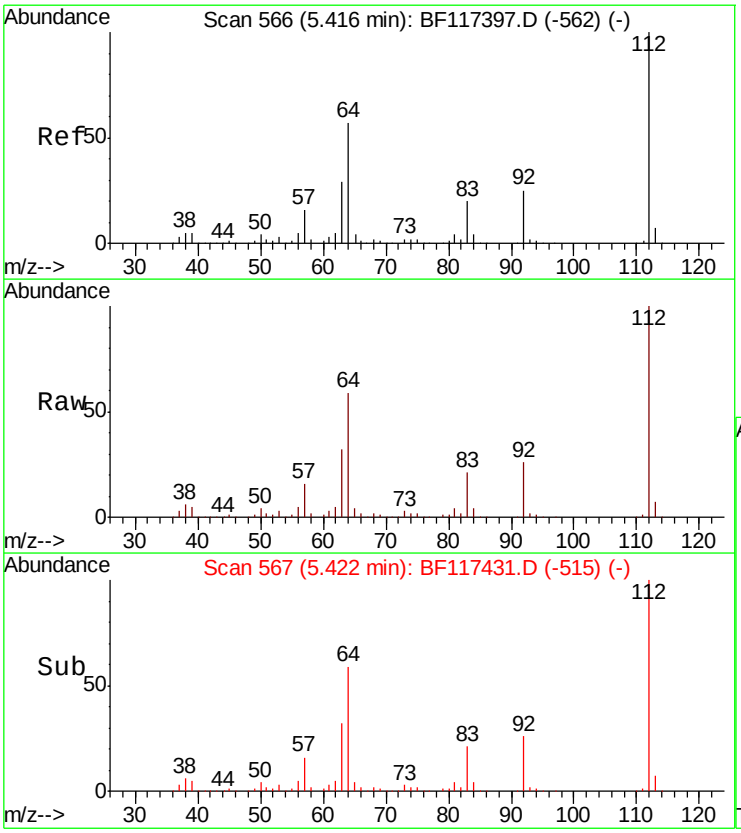
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Instrument :
BNA_F
ClientSampleId :
T-16-G1-(0-27)

Tgt Ion:152 Resp: 44791

Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.7	184.1
115	60.0	48.6	73.0

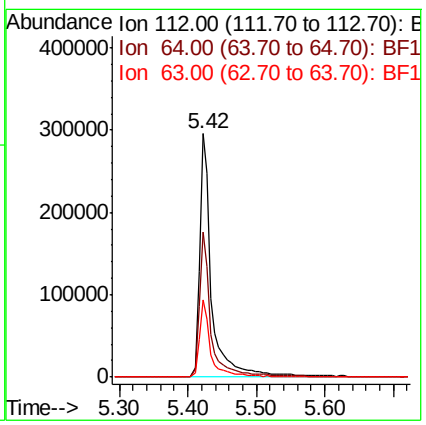


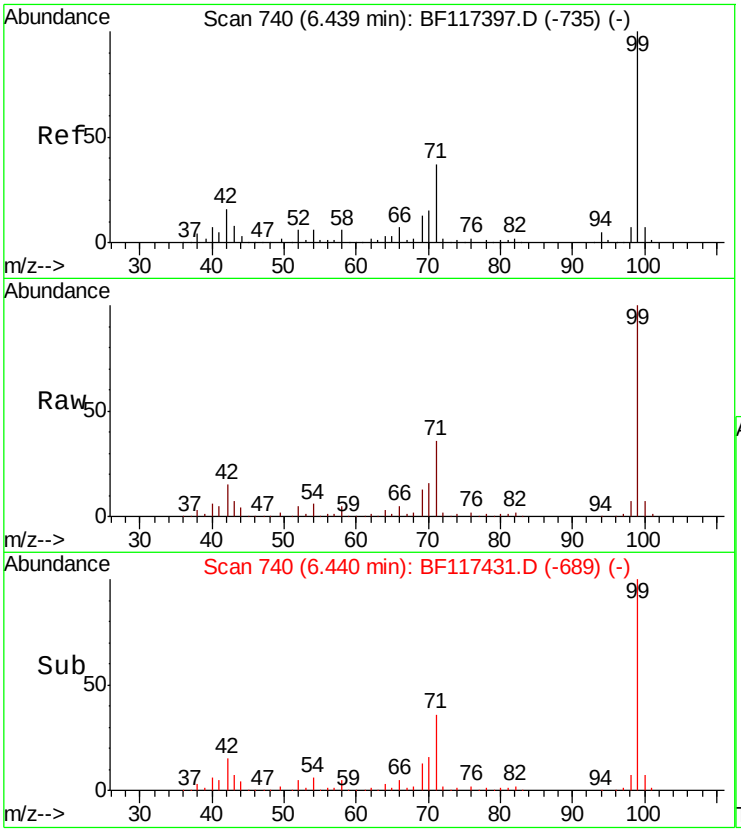


#5
2-Fluorophenol
Concen: 127.413 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Tgt Ion:112 Resp: 370911

Ion	Ratio	Lower	Upper
112	100		
64	59.5	45.2	67.8
63	31.8	23.4	35.2



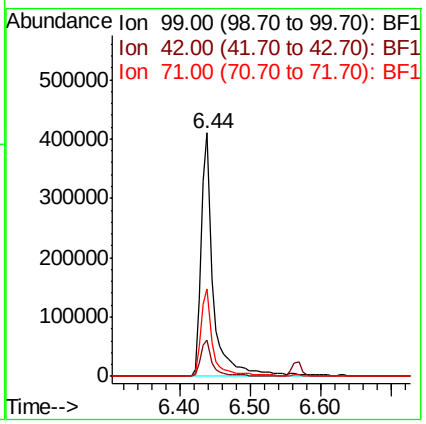


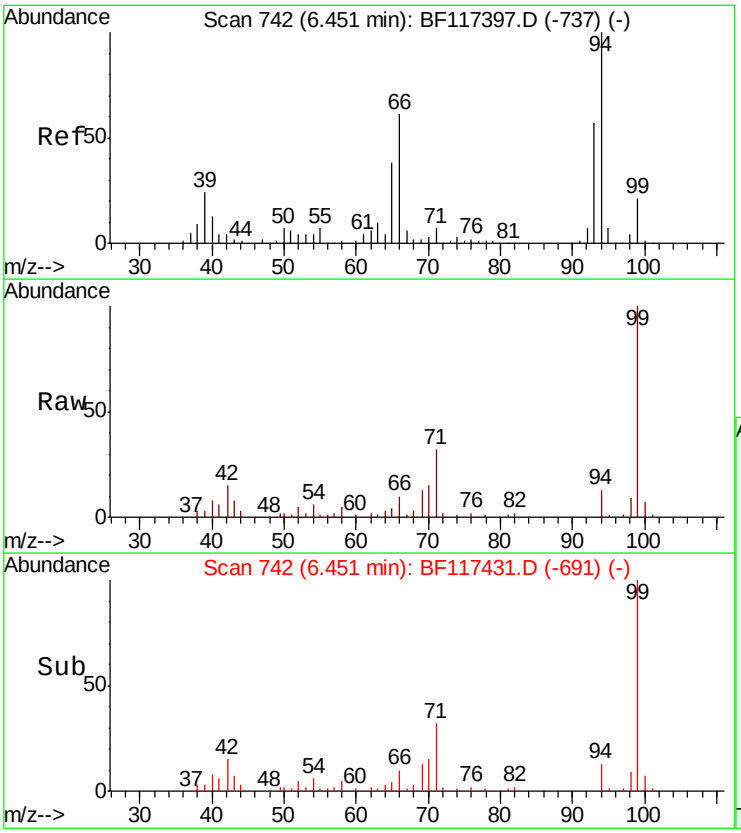
#7
Phenol-d6
Concen: 128.450 ng
RT: 6.44 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Instrument :
BNA_F
ClientSampleId :
T-16-G1-(0-27)

Tgt Ion: 99 Resp: 496132

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.5	18.7
71	36.1	29.2	43.8

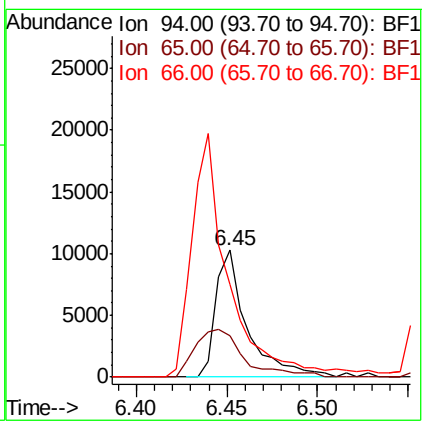


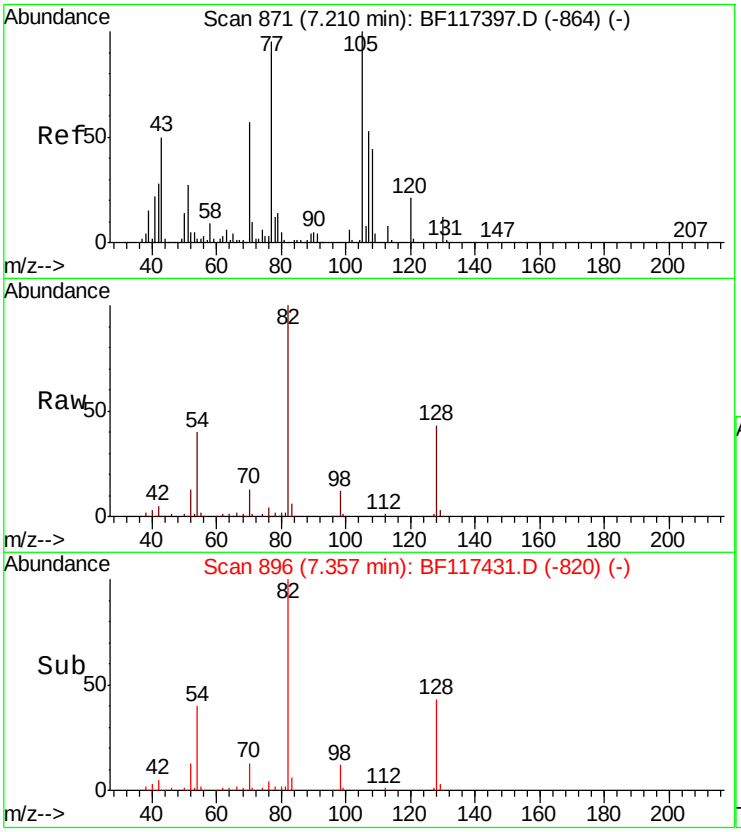


#10
Phenol
Concen: 2.960 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.00 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Tgt Ion: 94 Resp: 12341

Ion	Ratio	Lower	Upper
94	100		
65	32.8	18.2	58.2
66	73.2	41.1	81.1



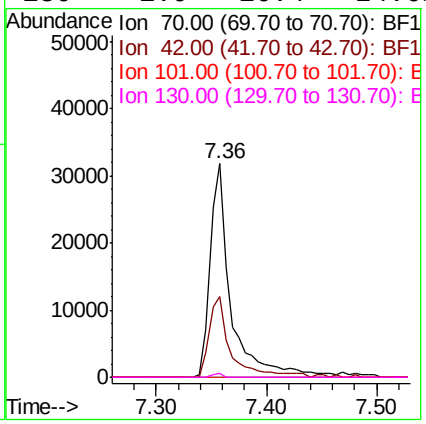


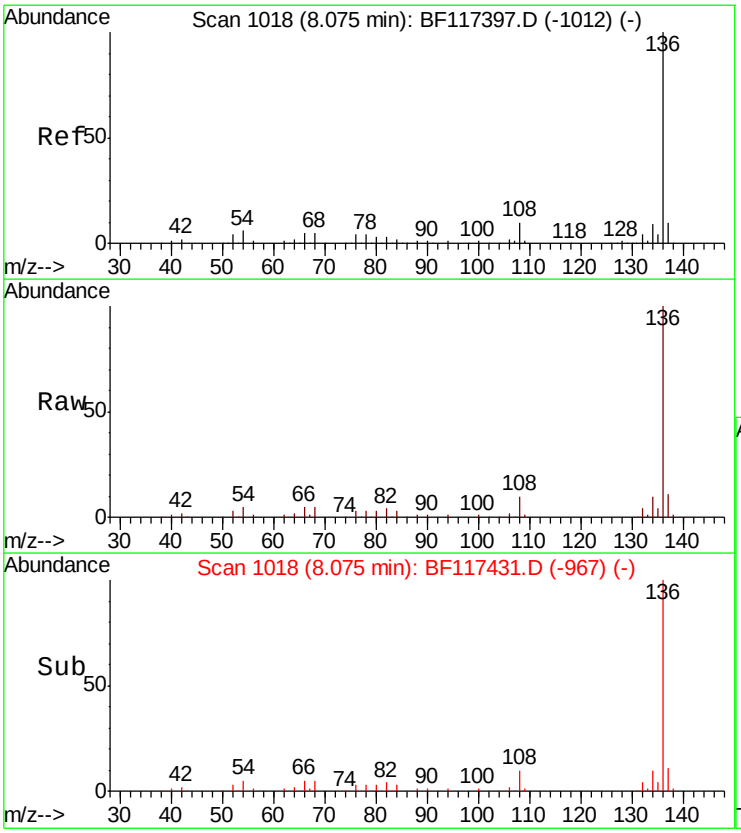
#19
n-Nitroso-di-n-propylamine
Concen: 16.686 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Instrument :
BNA_F
ClientSampleId :
T-16-G1-(0-27)

Tgt Ion: 70 Resp: 41094

Ion	Ratio	Lower	Upper
70	100		
42	37.7	39.8	59.8#
101	0.0	8.1	12.1#
130	1.9	16.4	24.6#

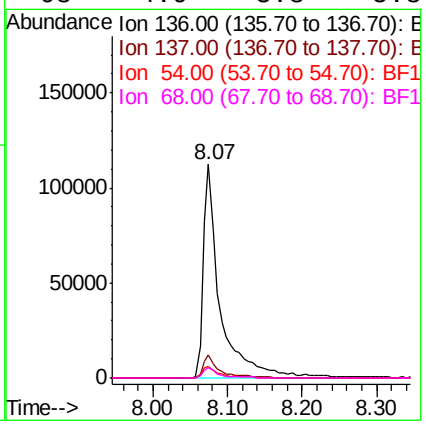


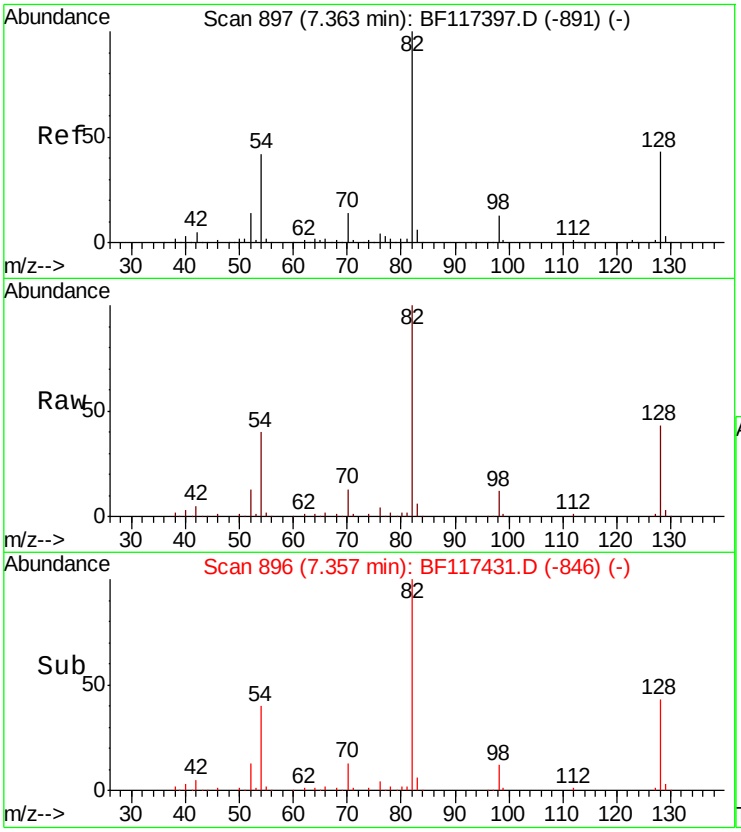


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Tgt Ion:136 Resp: 177430

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	5.4	4.6	6.8
68	4.9	3.8	5.8



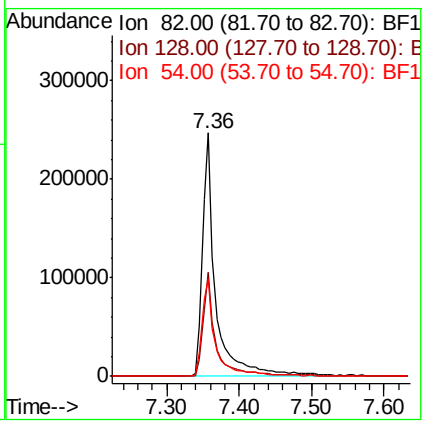


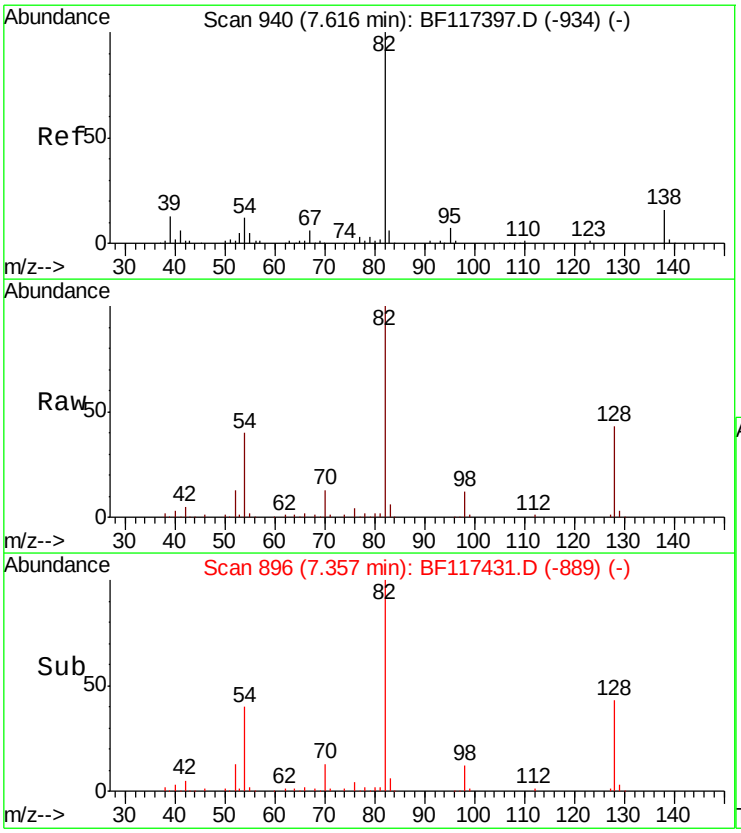
#23
Nitrobenzene-d5
Concen: 89.919 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Instrument :
BNA_F
ClientSampleId :
T-16-G1-(0-27)

Tgt Ion: 82 Resp: 314741

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.1	51.1
54	39.9	33.3	49.9

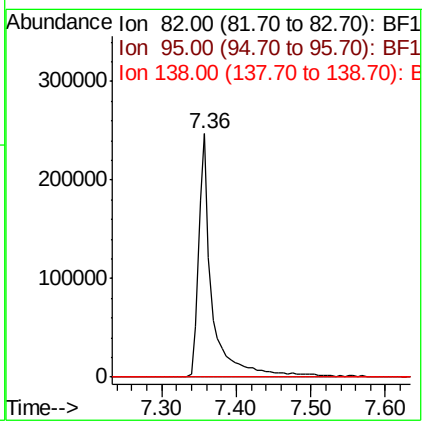


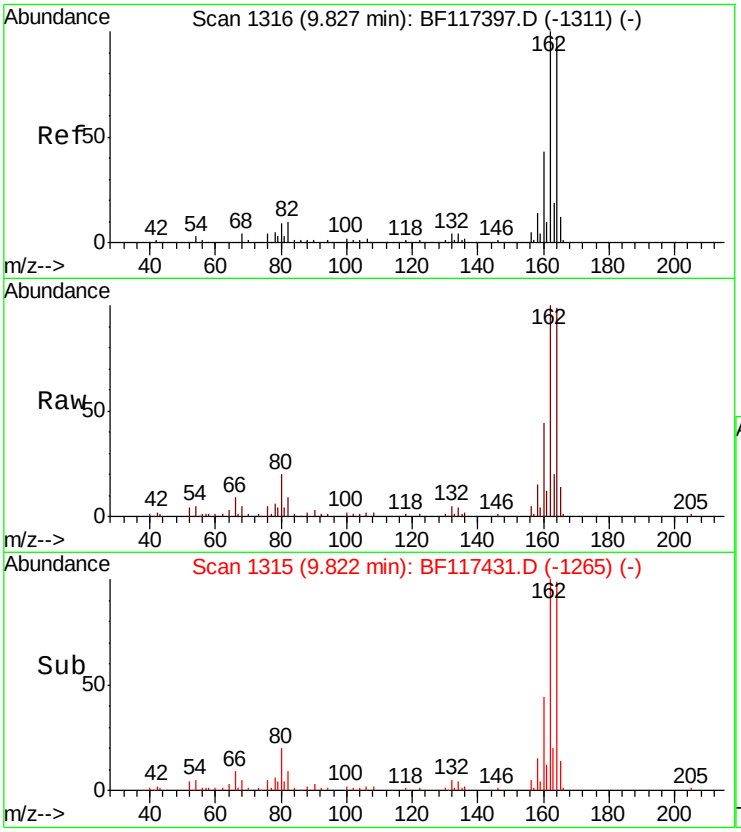


#25
Isophorone
Concen: 50.477 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Tgt Ion: 82 Resp: 314738

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	13.0	19.4#



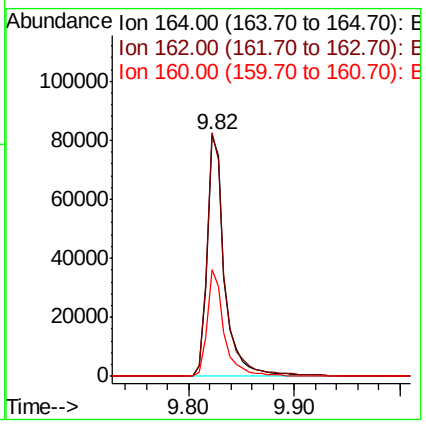


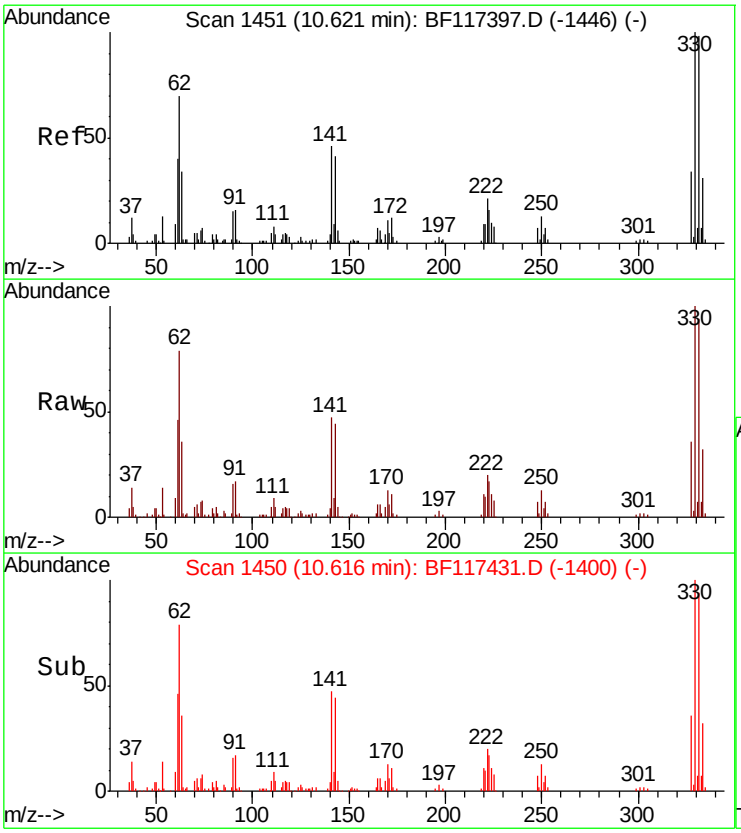
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Instrument :
BNA_F
ClientSampleId :
T-16-G1-(0-27)

Tgt Ion:164 Resp: 94850

Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.4	123.6
160	44.3	35.4	53.0

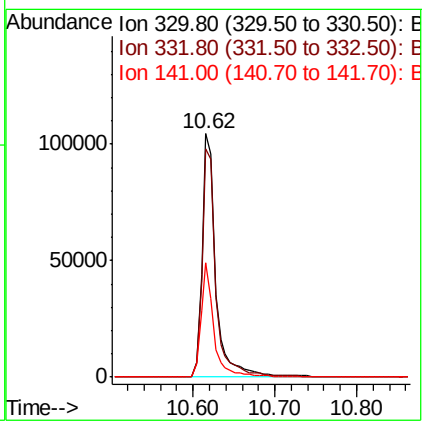


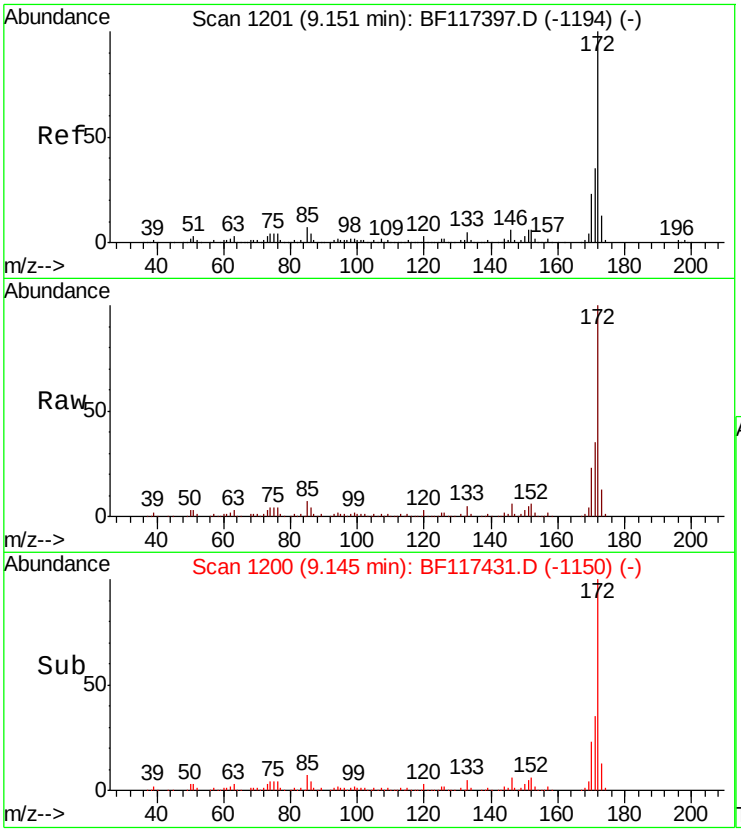


#42
2,4,6-Tribromophenol
Concen: 159.165 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Tgt Ion:330 Resp: 122868

Ion	Ratio	Lower	Upper
330	100		
332	93.1	75.0	112.6
141	43.4	34.2	51.4



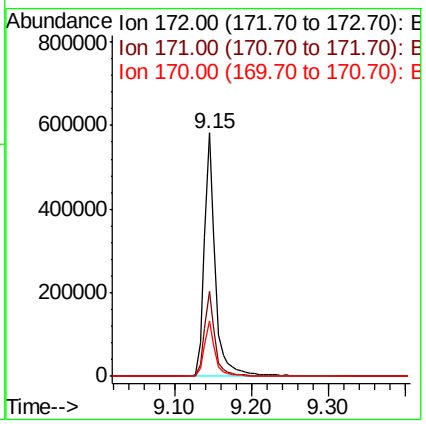


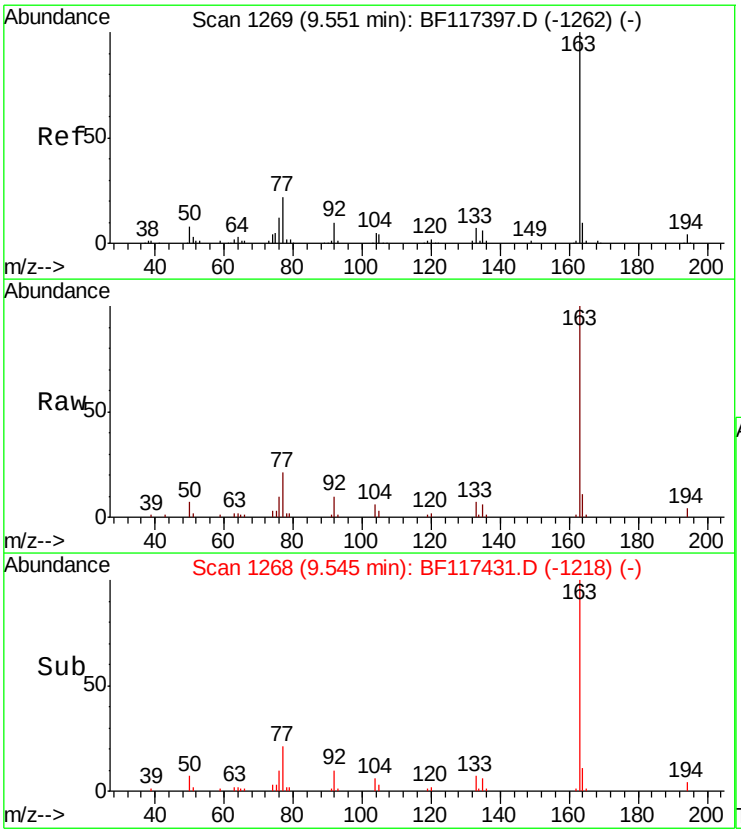
#45
2-Fluorobiphenyl
Concen: 89.444 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Instrument :
BNA_F
ClientSampleId :
T-16-G1-(0-27)

Tgt Ion:172 Resp: 581925

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.2
170	22.6	18.2	27.2

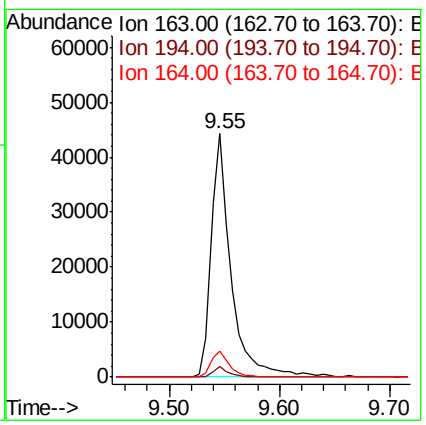


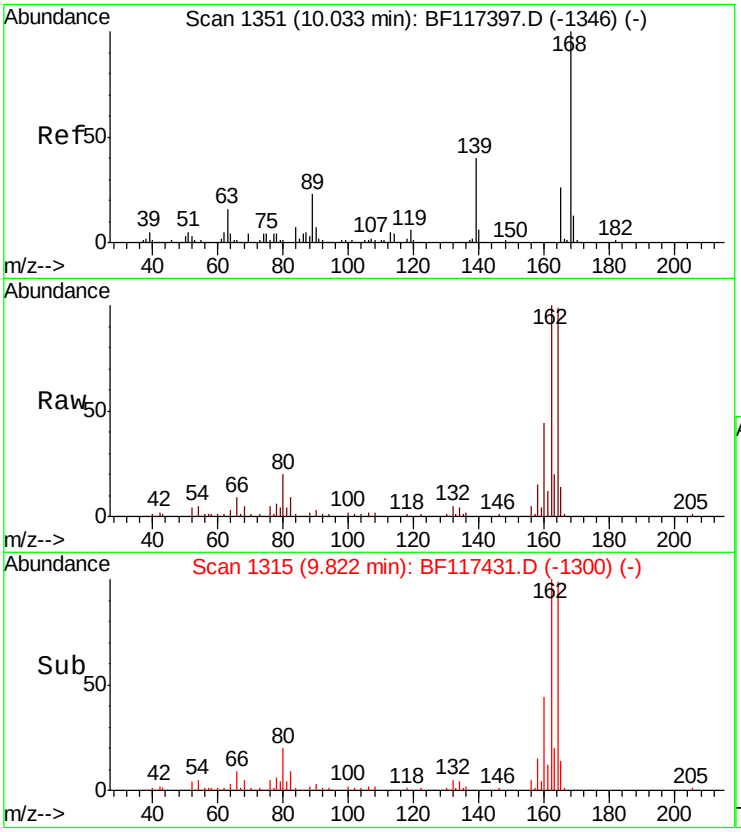


#50
Dimethylphthalate
Concen: 8.036 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Tgt Ion:163 Resp: 54738

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	10.6	8.0	12.0



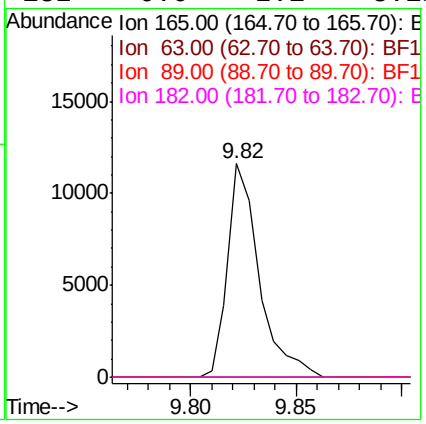


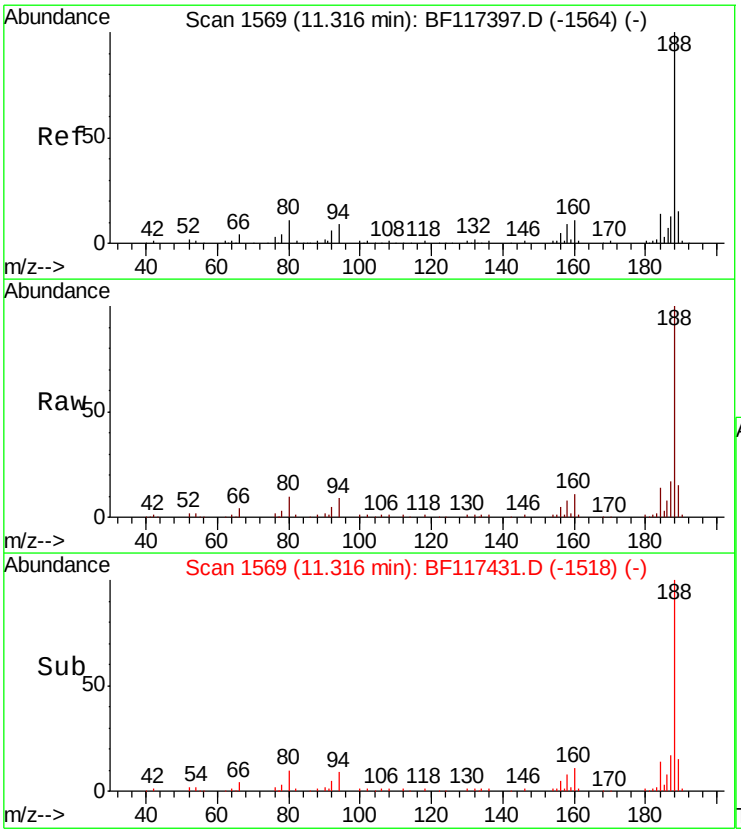
#57
2,4-Dinitrotoluene
Concen: 6.366 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.21 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Instrument :
BNA_F
ClientSampleId :
T-16-G1-(0-27)

Tgt Ion:165 Resp: 12026

Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.0	76.4#
89	0.0	70.7	106.1#
182	0.0	2.1	3.1#

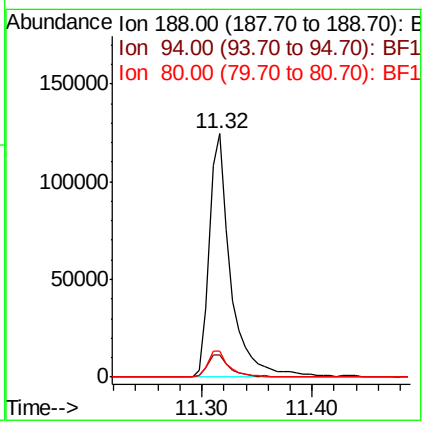


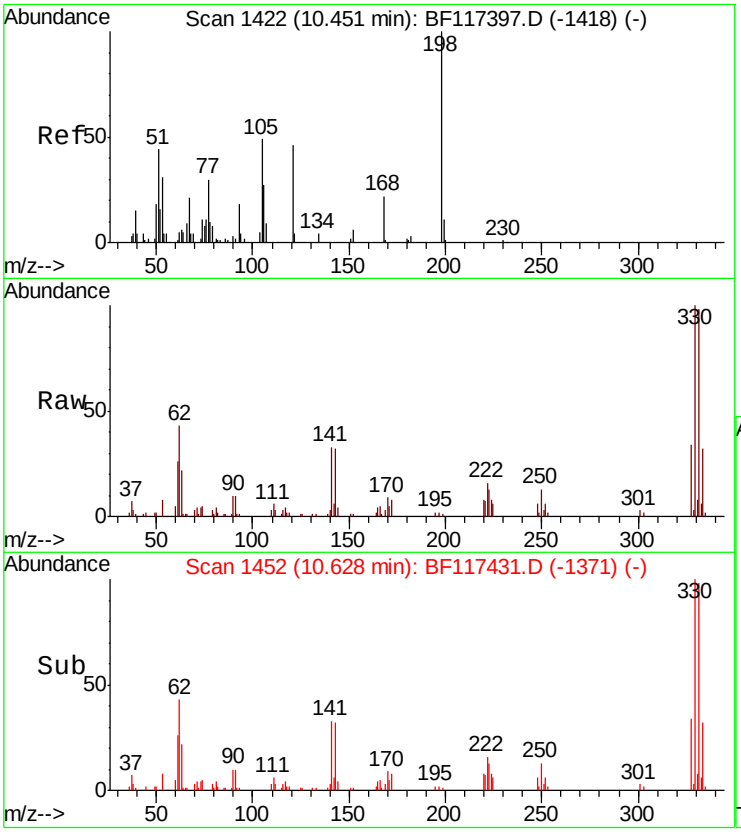


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Tgt Ion:188 Resp: 164702

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.5	11.3
80	10.5	8.7	13.1



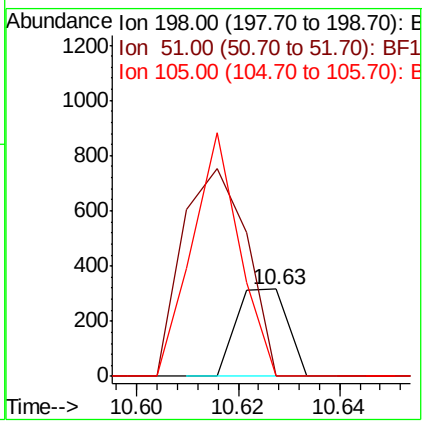


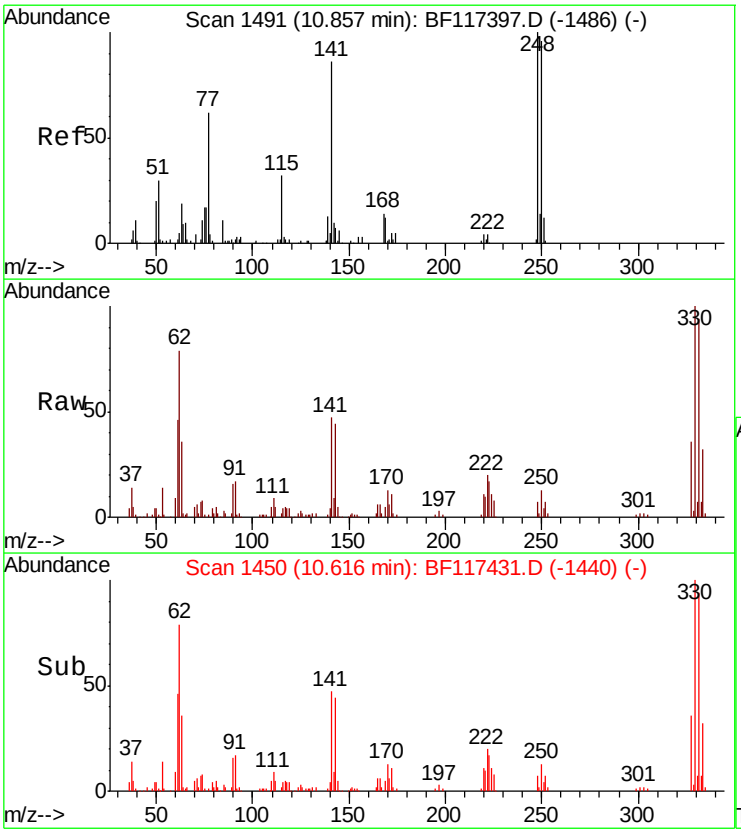
#65
4,6-Dinitro-2-methylphenol
Concen: 5.417 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.18 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Instrument :
BNA_F
ClientSampleId :
T-16-G1-(0-27)

Tgt Ion:198 Resp: 222

Ion	Ratio	Lower	Upper
198	100		
51	0.0	25.9	65.9#
105	0.0	29.4	69.4#

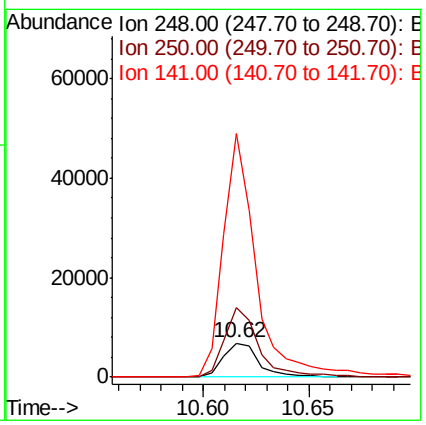


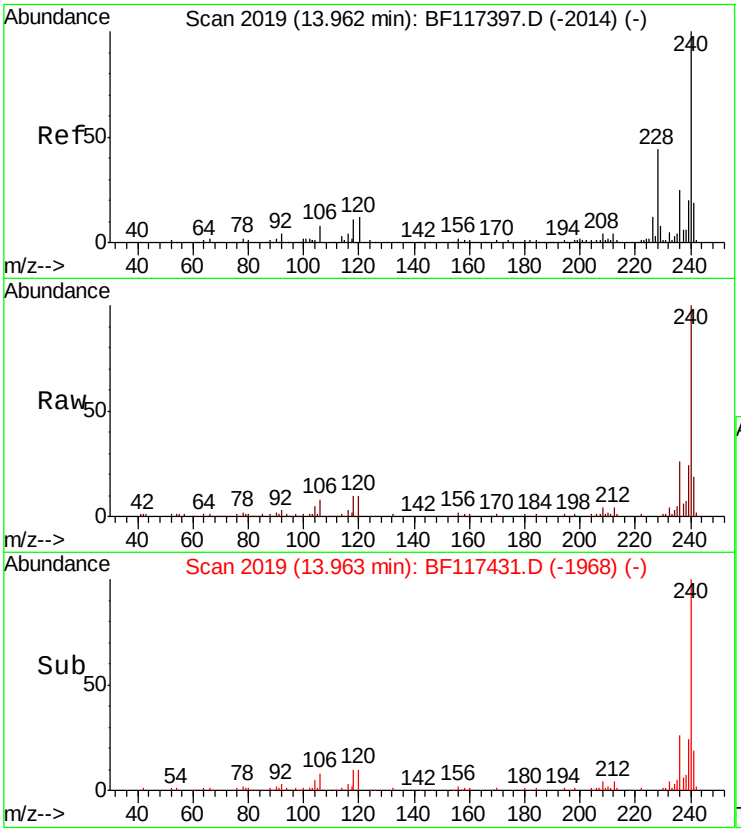


#67
4-Bromophenyl-phenylether
Concen: 4.346 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Tgt Ion:248 Resp: 7851

Ion	Ratio	Lower	Upper
248	100		
250	204.4	77.1	115.7#
141	715.0	69.1	103.7#



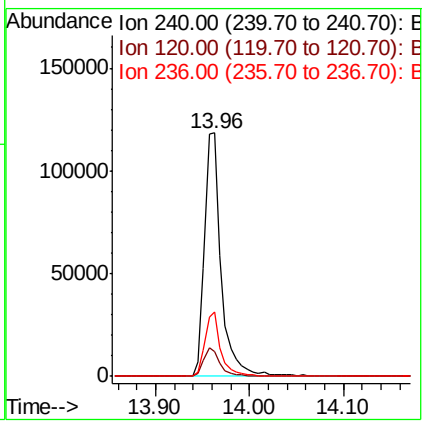


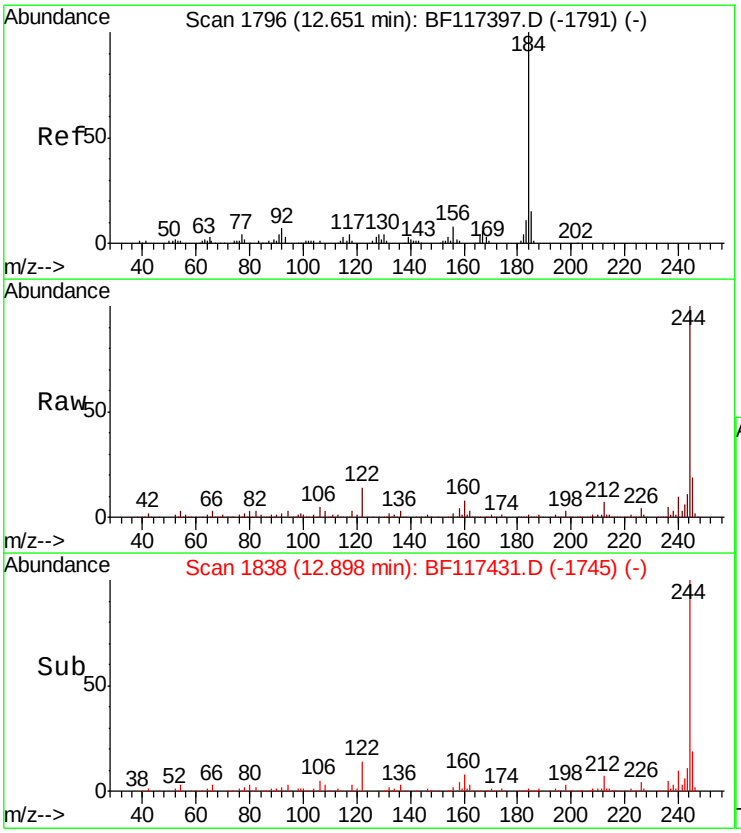
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Instrument :
BNA_F
ClientSampleId :
T-16-G1-(0-27)

Tgt Ion:240 Resp: 148720

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.4	14.0
236	26.4	19.8	29.6

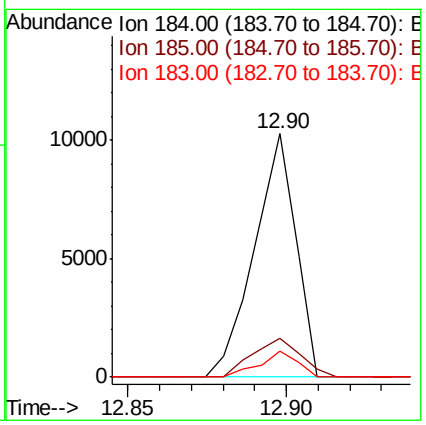


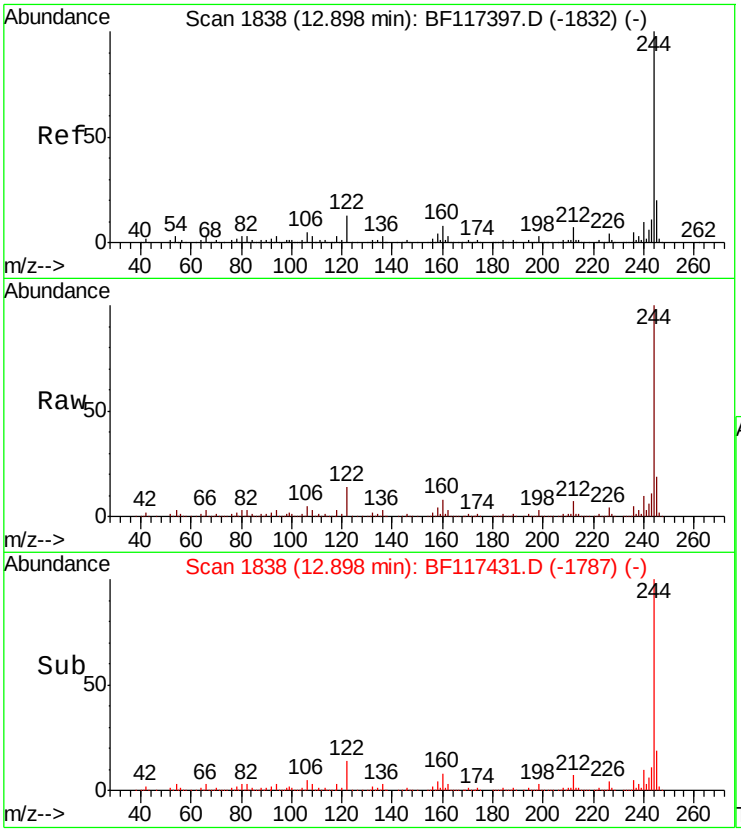


#77
Benzidine
Concen: 2.531 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Tgt Ion:184 Resp: 9308

Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.2	18.2
183	10.6	8.9	13.3



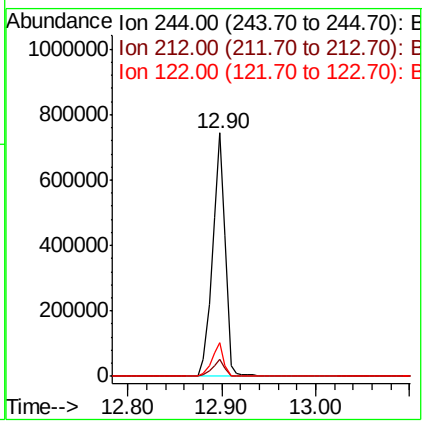


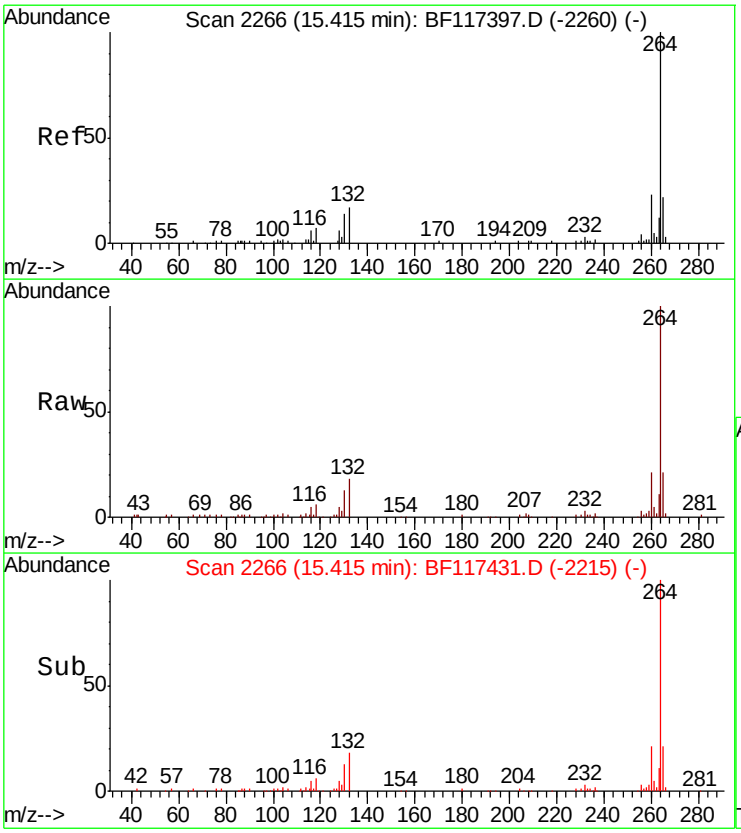
#79
Terphenyl-d14
Concen: 77.835 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Instrument :
BNA_F
ClientSampleId :
T-16-G1-(0-27)

Tgt Ion:244 Resp: 710089

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	14.0	10.7	16.1





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF117431.D
Acq: 17 Oct 2019 19:40

Tgt Ion:264 Resp: 150530

Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.6	27.8
265	20.6	17.4	26.0