Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
Data File : BF117113.D
Acq On : 17 Sep 2019 18:11
Operator : HP/JU
Sample : K4873-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 18 03:51:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	60359	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	239147	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	120919	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	199631	20.00	ng	0.00
76) Chrysene-d12	13.97	240	144895	20.00	ng	0.00
87) Perylene-d12	15.42	264	128579	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	504090	130.39	ng	0.02
7) Phenol-d6	6.46	99	614608	123.01	ng	0.00
23) Nitrobenzene-d5	7.39	82	465963	102.38	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	170646	168.86	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	814726	105.35	ng	0.00
79) Terphenyl-d14	12.92	244	826975	106.68	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.47	77	772	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	62167	20.433	ng	# 80
25) Isophorone	7.39	82	465959	57.820	ng	# 66
50) Dimethylphthalate	9.57	163	27030	3.157	ng	99
51) 2,6-Dinitrotoluene	9.85	165	14934	8.564	ng	# 25
57) 2,4-Dinitrotoluene	9.85	165	14934	6.598	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.64	198	312	7.196	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	11118	5.453	ng	# 1
77) Benzidine	12.92	184	12494	2.677	ng	# 90

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

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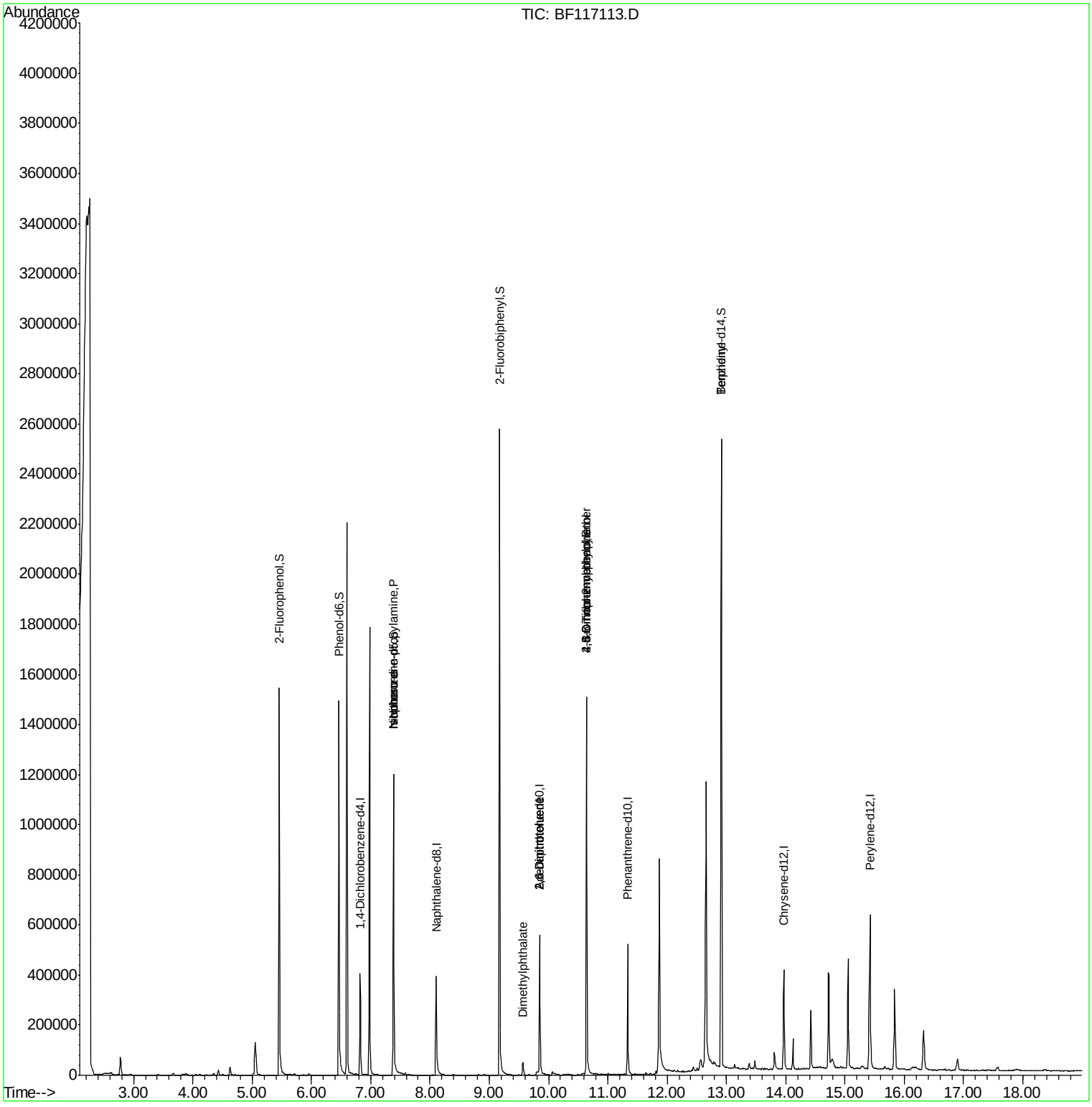
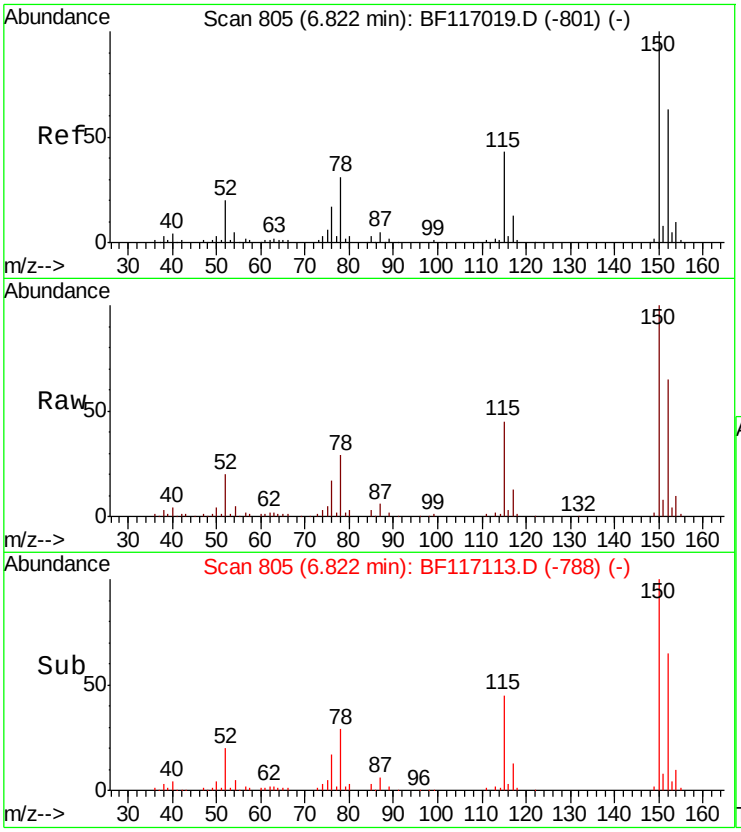
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration



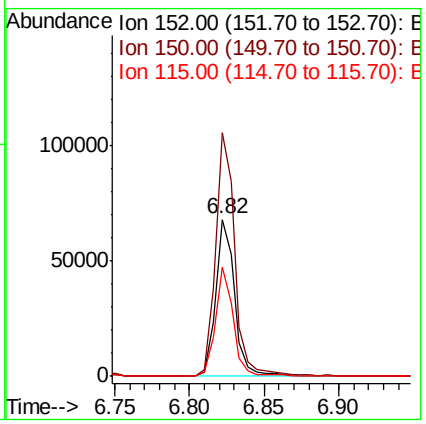


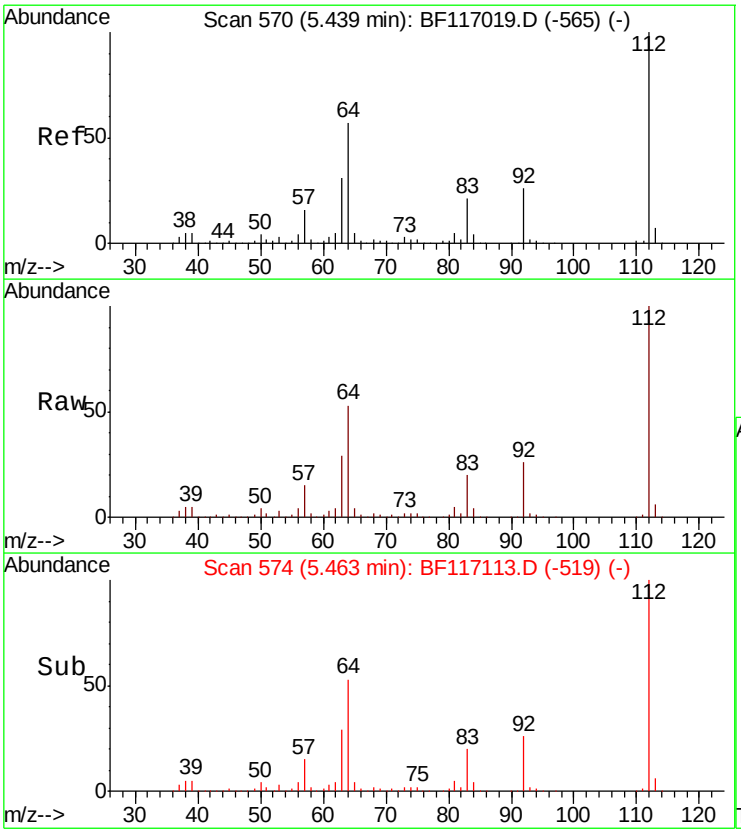
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 60359

Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.5	191.3
115	69.3	55.0	82.4

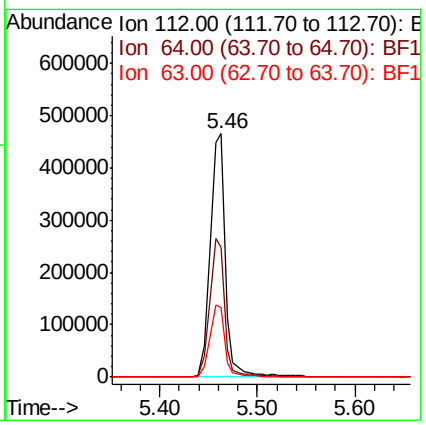


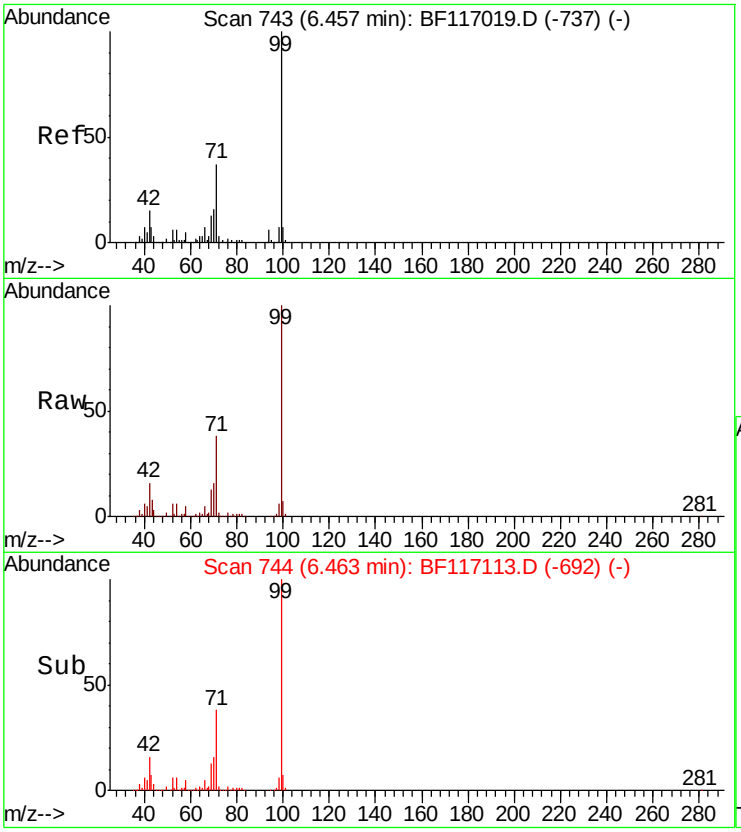


#5
2-Fluorophenol
Concen: 130.388 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion:112 Resp: 504090

Ion	Ratio	Lower	Upper
112	100		
64	53.3	45.7	68.5
63	28.6	24.9	37.3



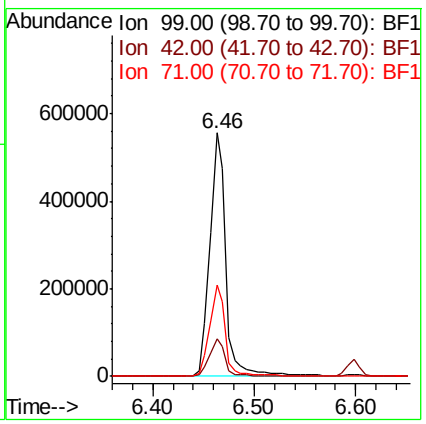


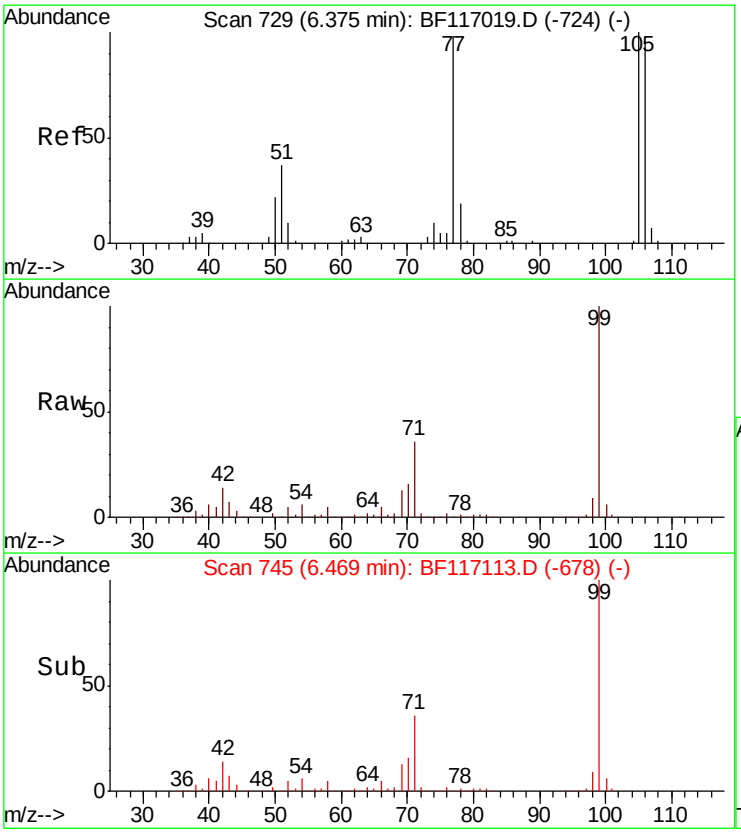
#7
Phenol-d6
Concen: 123.011 ng
RT: 6.46 min Scan# 744
Delta R.T. 0.01 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 614608

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.2	18.2
71	37.7	29.8	44.8

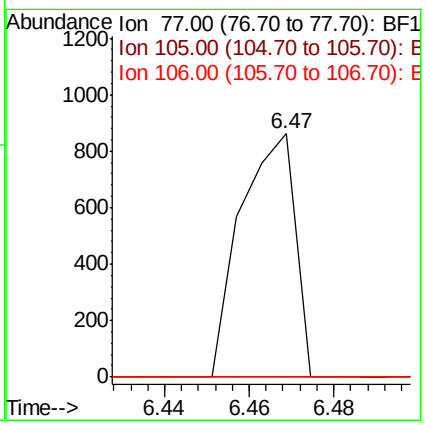


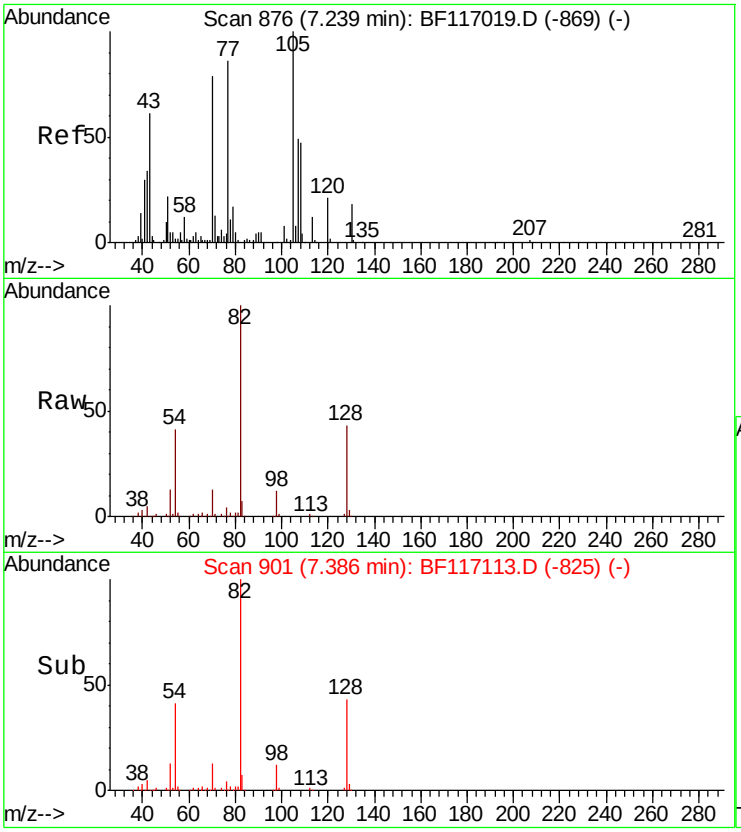


#9
Benzaldehyde
Concen: Below Cal
RT: 6.47 min Scan# 745
Delta R.T. 0.09 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion: 77 Resp: 772

Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.8	121.8#
106	0.0	77.3	117.3#



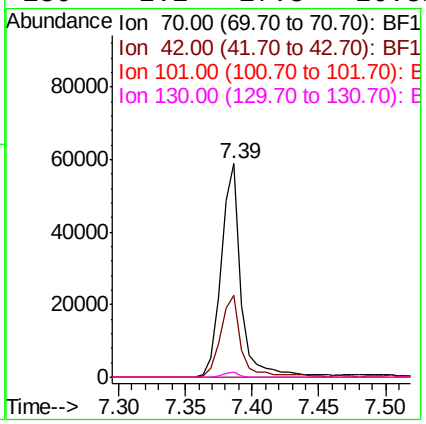


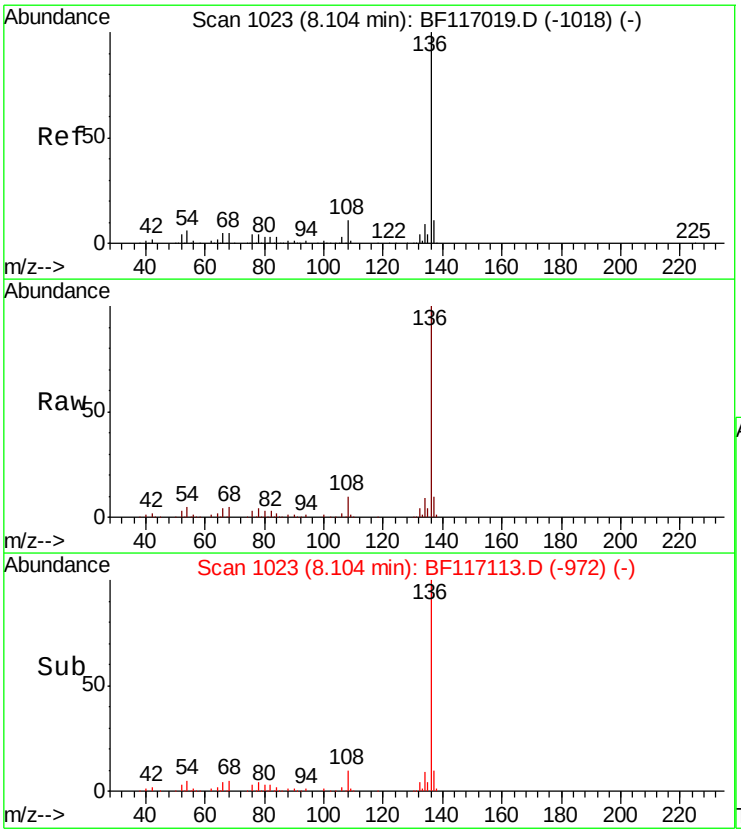
#19
n-Nitroso-di-n-propylamine
Concen: 20.433 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 62167

Ion	Ratio	Lower	Upper
70	100		
42	38.2	34.0	51.0
101	0.0	7.8	11.6#
130	2.2	17.8	26.8#

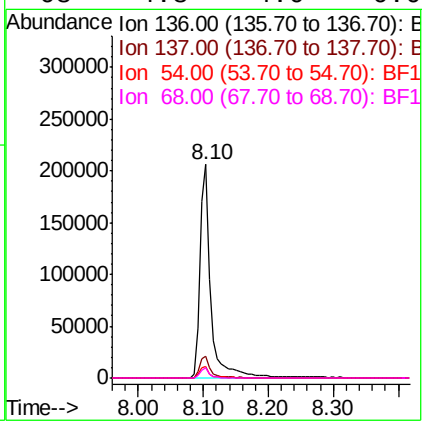


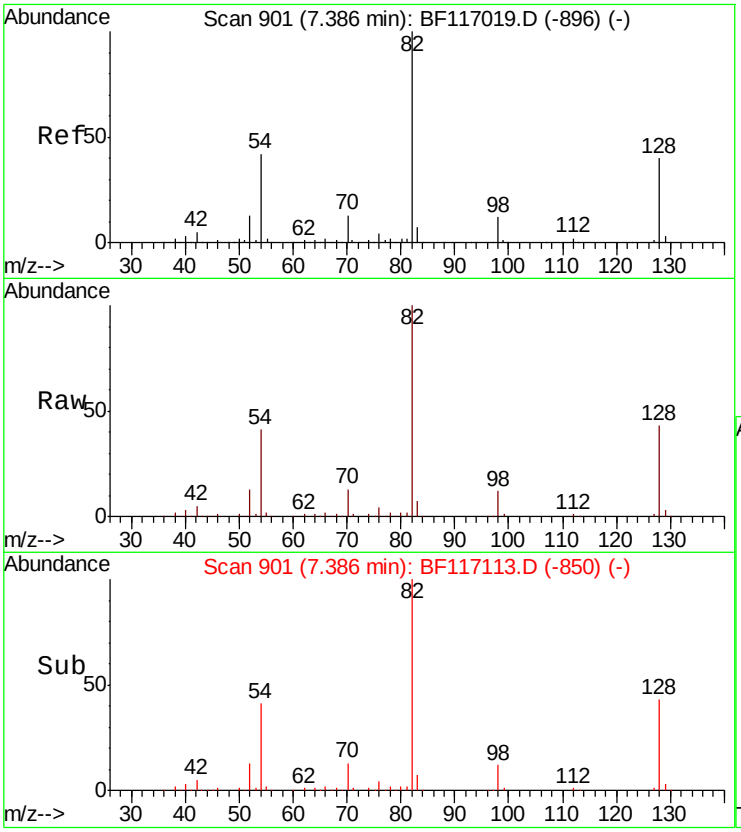


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion:136 Resp: 239147

Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.0	13.4
54	5.2	4.5	6.7
68	4.8	4.0	6.0



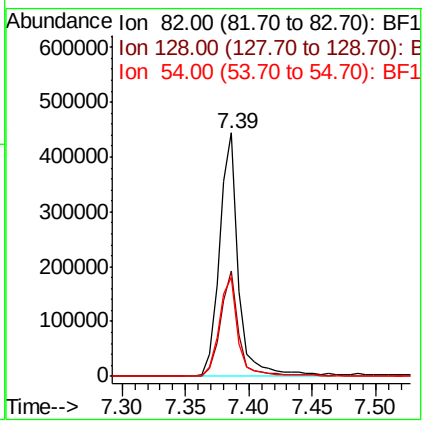


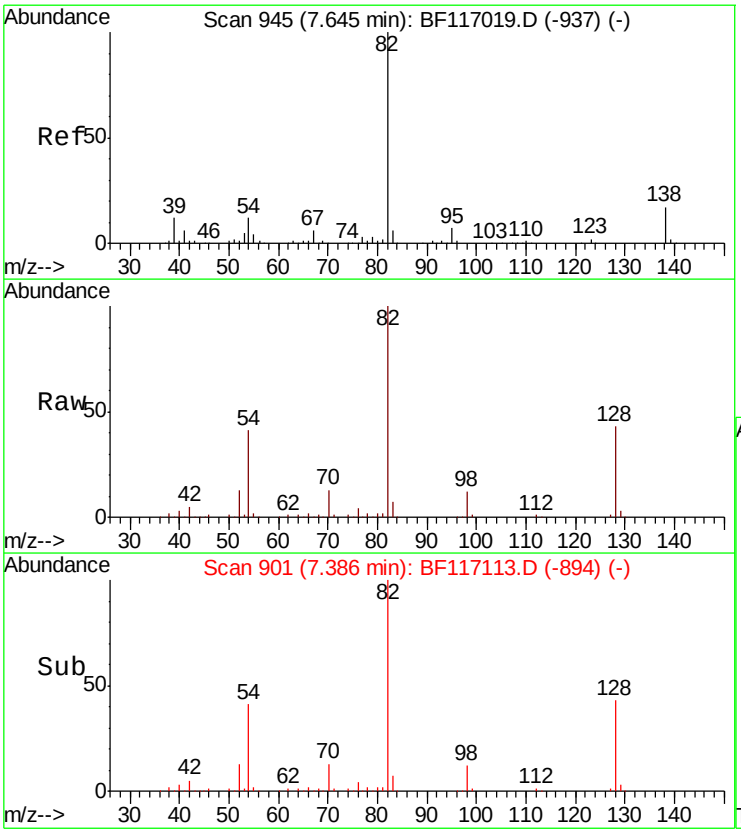
#23
Nitrobenzene-d5
Concen: 102.376 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 465963

Ion	Ratio	Lower	Upper
82	100		
128	43.2	32.3	48.5
54	40.7	33.3	49.9

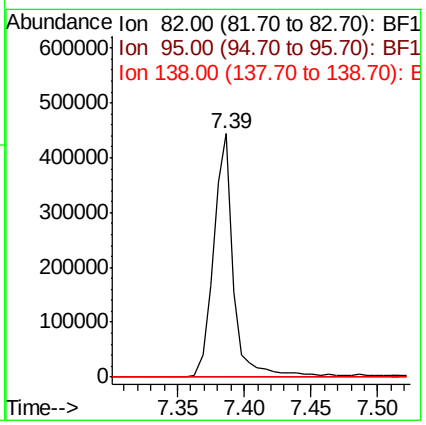


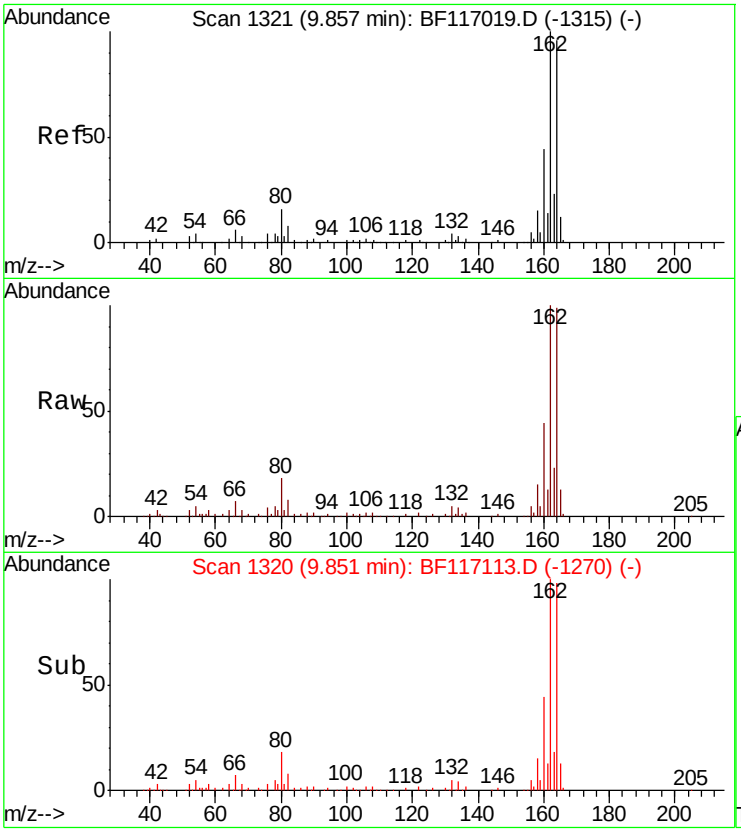


#25
Isophorone
Concen: 57.820 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion: 82 Resp: 465959

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



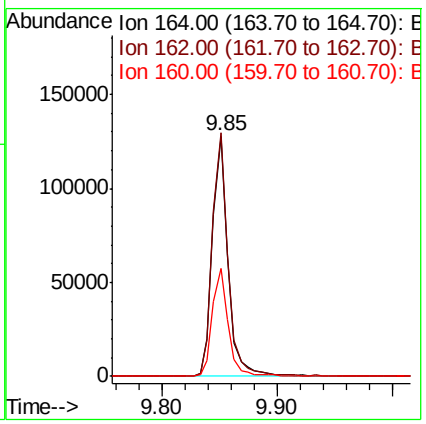


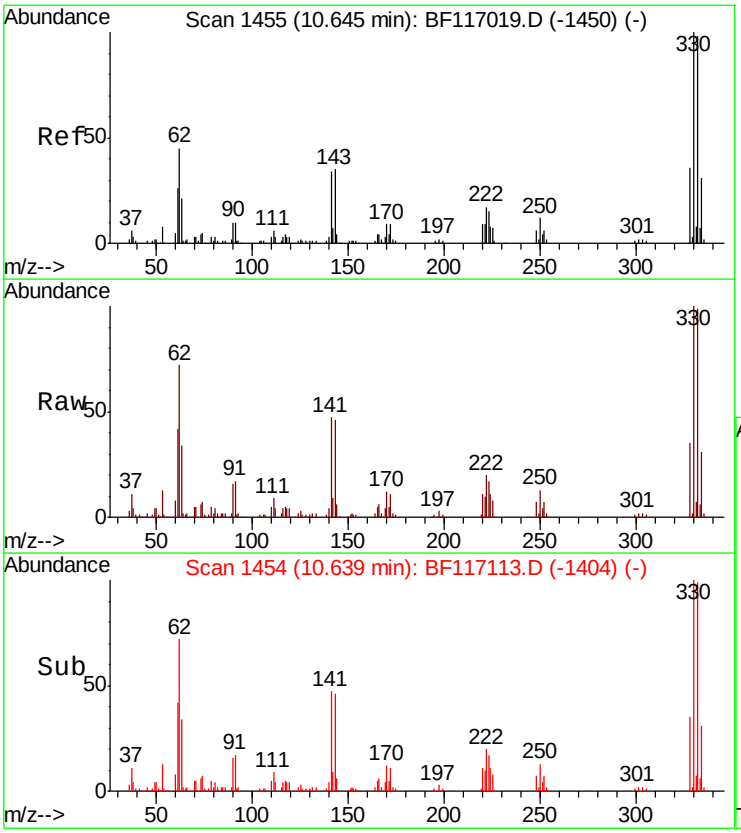
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 120919

Ion	Ratio	Lower	Upper
164	100		
162	101.4	83.4	125.2
160	44.9	36.4	54.6

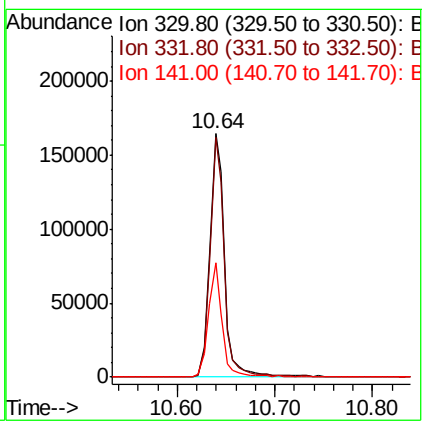


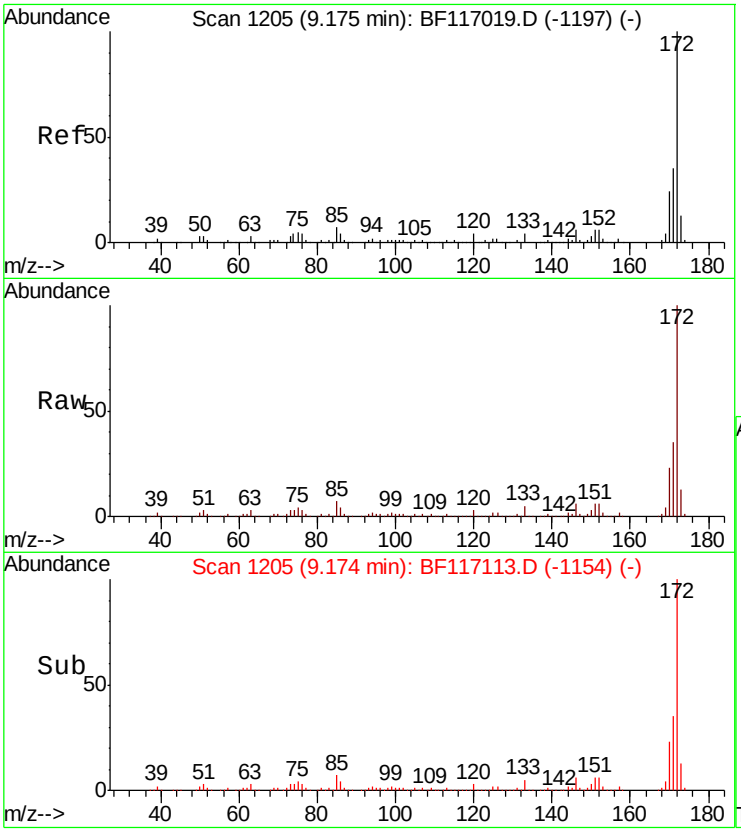


#42
2,4,6-Tribromophenol
Concen: 168.855 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion:330 Resp: 170646

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.0	117.0
141	44.4	35.8	53.6



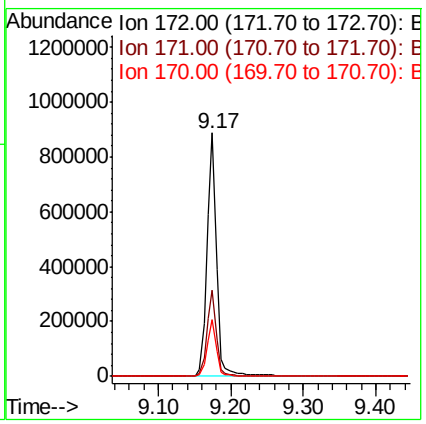


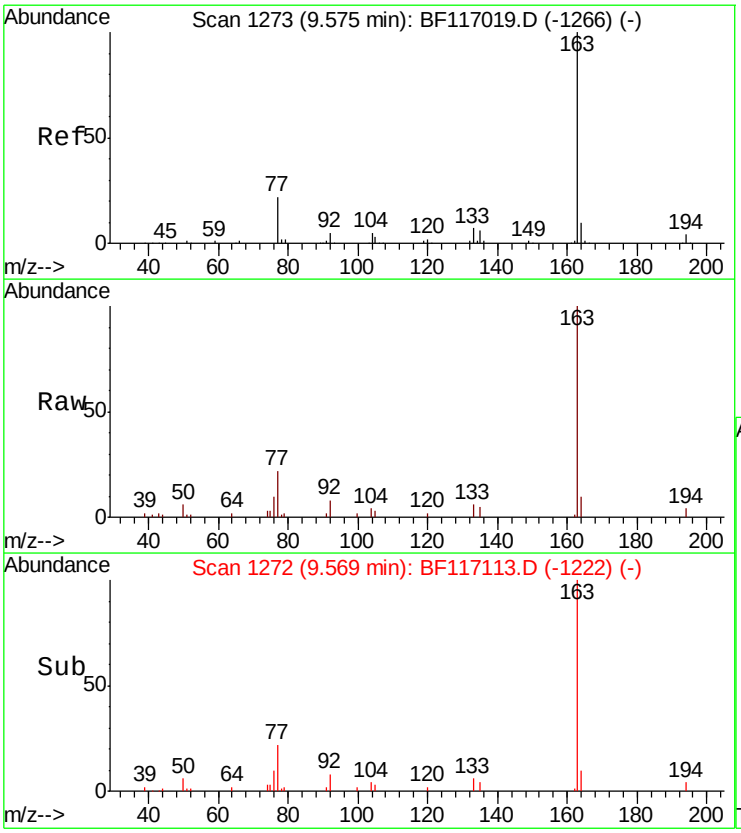
#45
2-Fluorobiphenyl
Concen: 105.350 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 814726

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.5	18.9	28.3

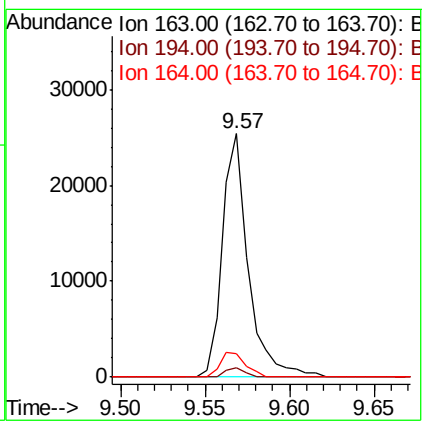


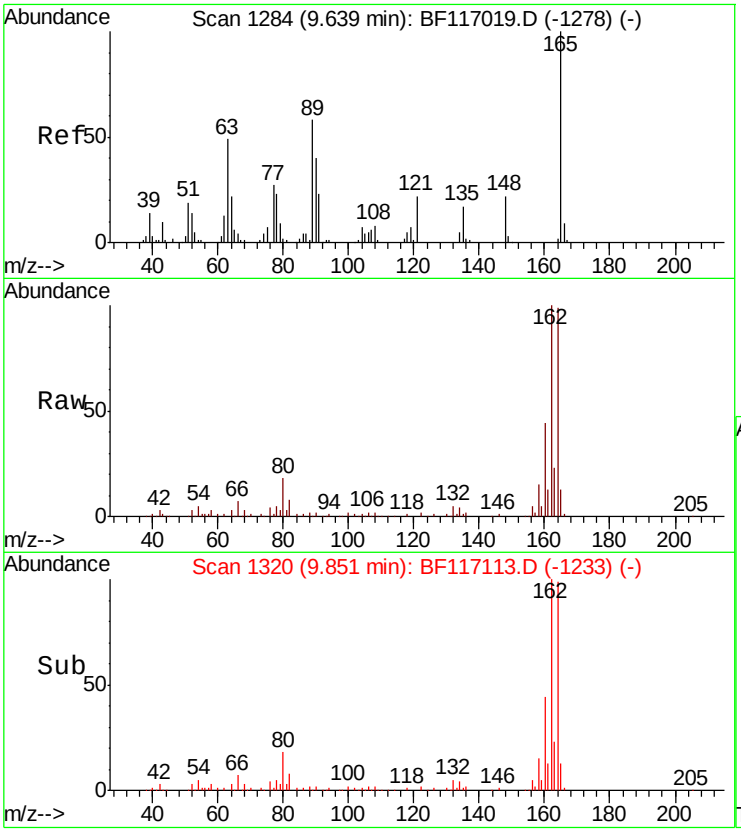


#50
Dimethylphthalate
Concen: 3.157 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion:163 Resp: 27030

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	9.8	8.2	12.4



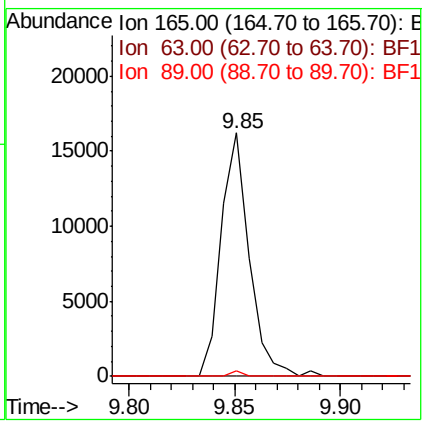


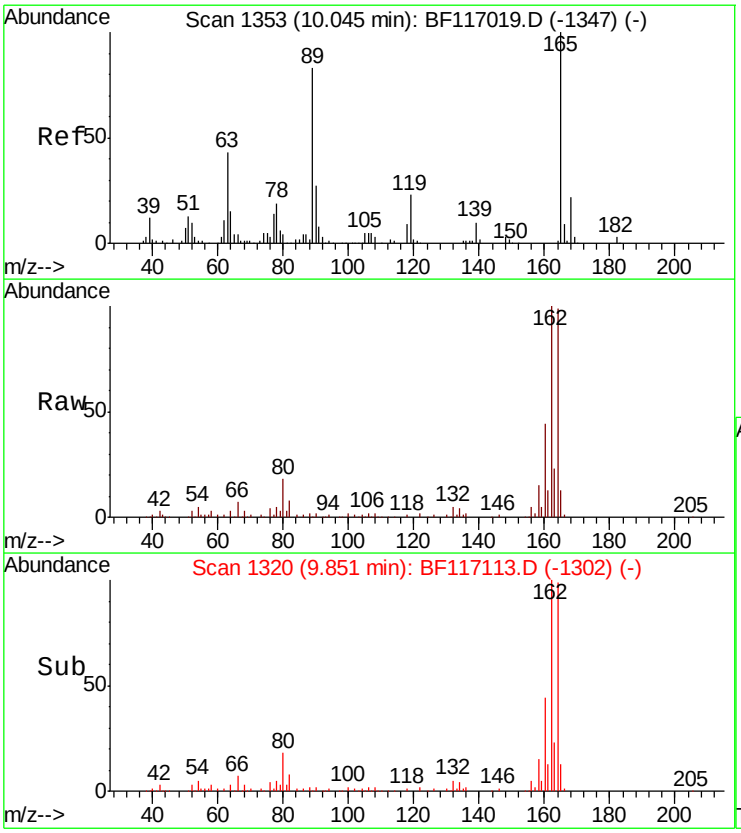
#51
2,6-Dinitrotoluene
Concen: 8.564 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 14934

Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	2.3	46.5	69.7#

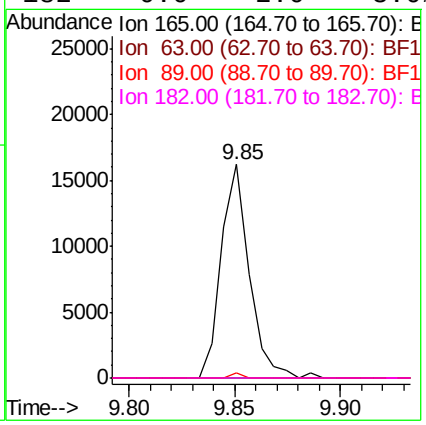


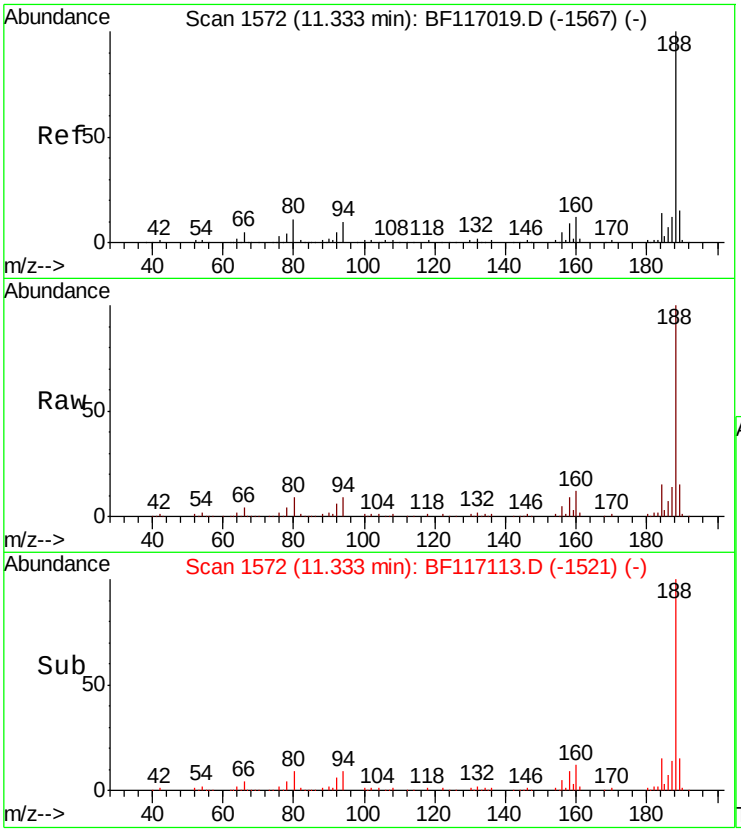


#57
2,4-Dinitrotoluene
Concen: 6.598 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion:165 Resp: 14934

Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	2.3	66.1	99.1#
182	0.0	2.0	3.0#



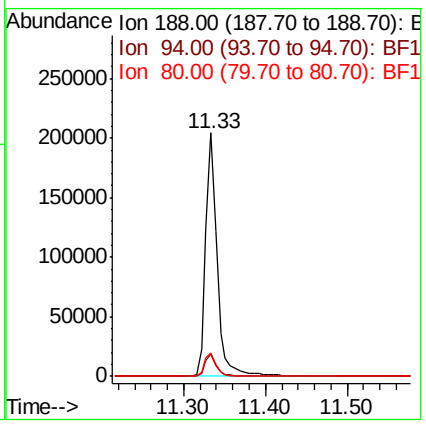


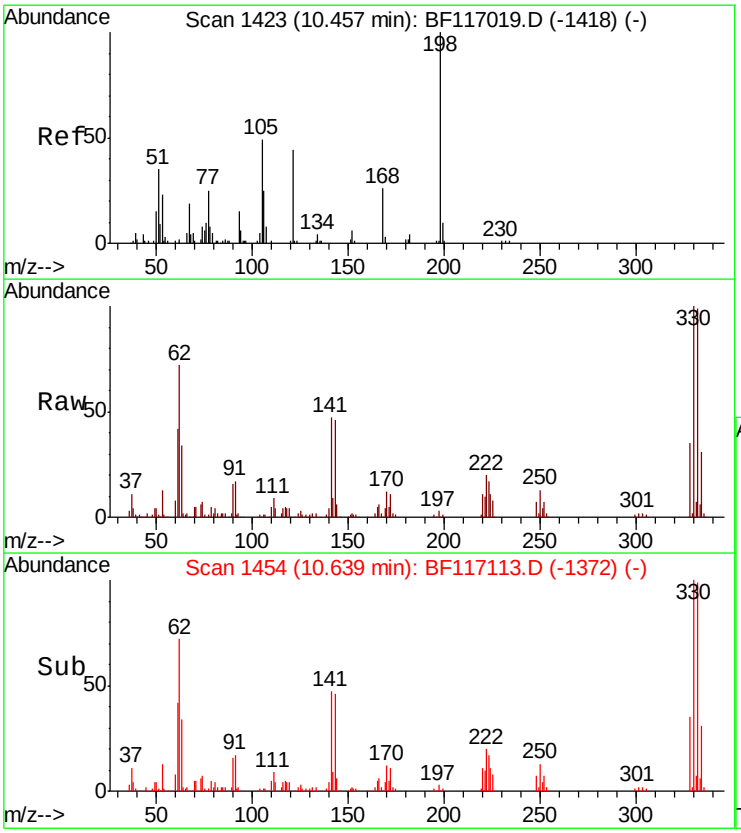
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 199631

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.2
80	9.4	9.0	13.6

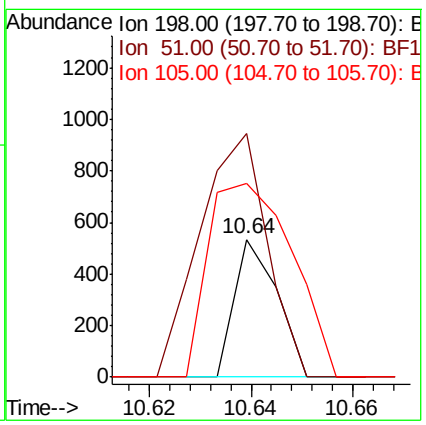


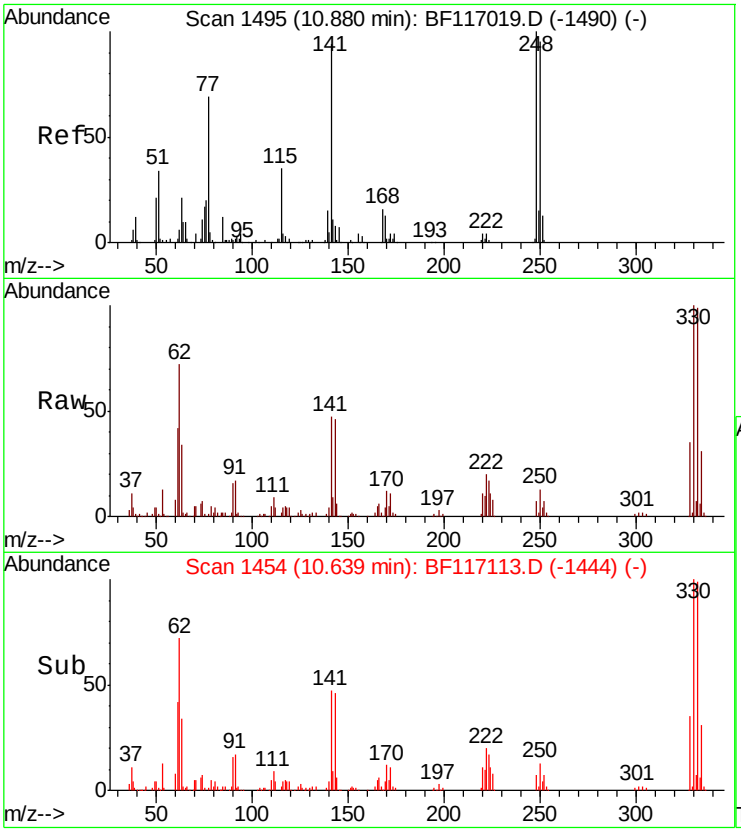


#65
4,6-Dinitro-2-methylphenol
Concen: 7.196 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion:198 Resp: 312

Ion	Ratio	Lower	Upper
198	100		
51	176.4	18.7	58.7#
105	140.6	30.2	70.2#



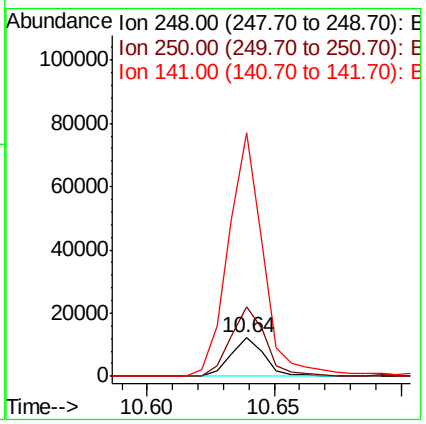


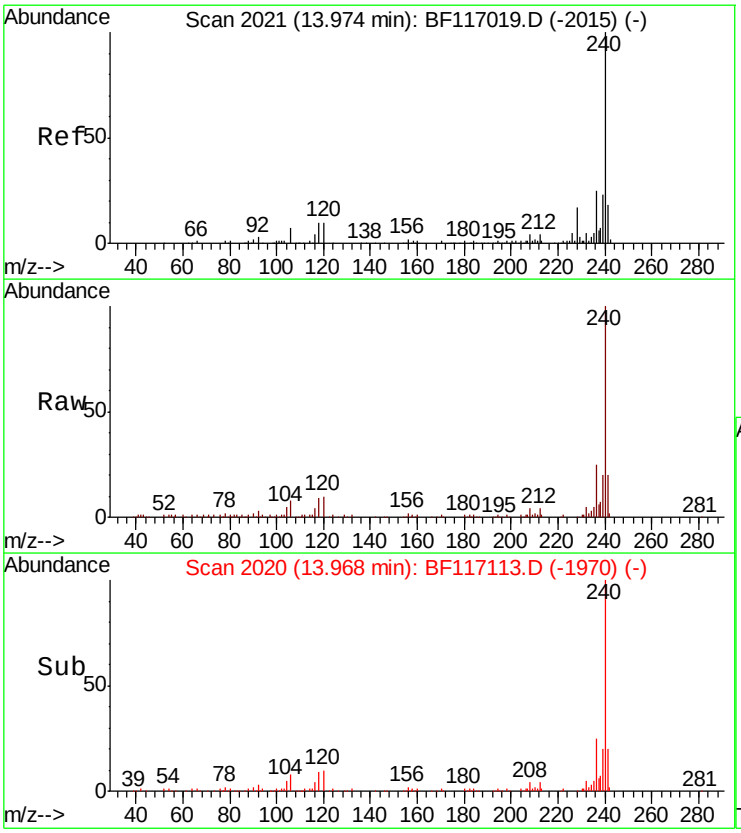
#67
4-Bromophenyl-phenylether
Concen: 5.453 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 11118

Ion	Ratio	Lower	Upper
248	100		
250	183.0	76.2	114.4#
141	637.0	75.0	112.4#

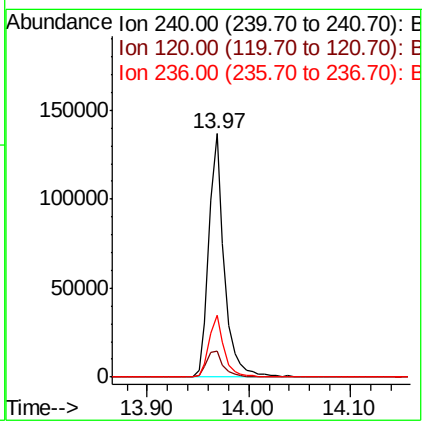


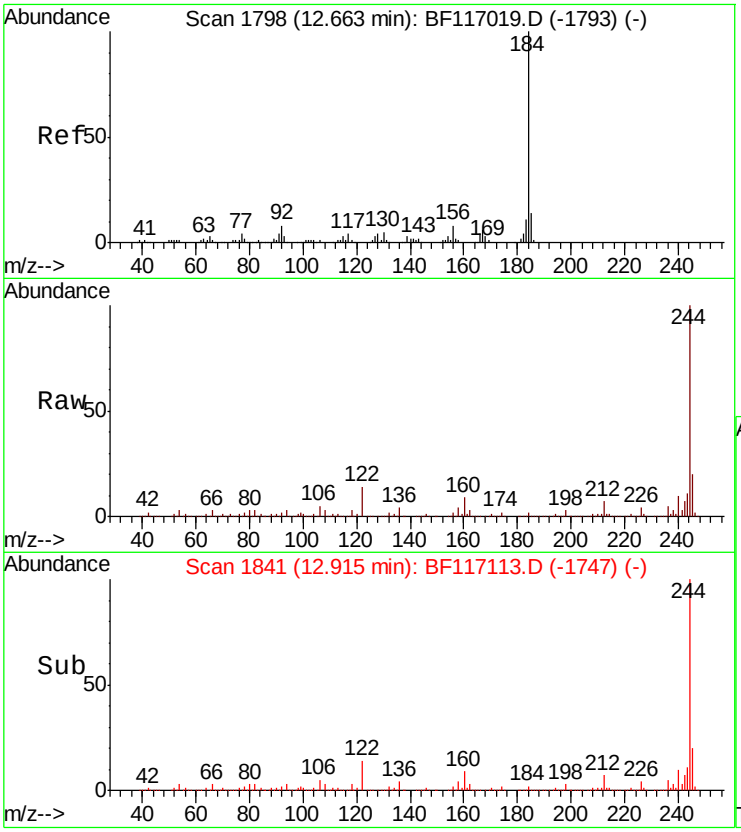


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion:240 Resp: 144895

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.3	12.5
236	25.3	20.3	30.5



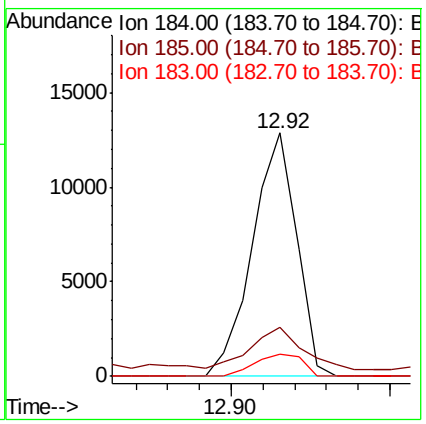


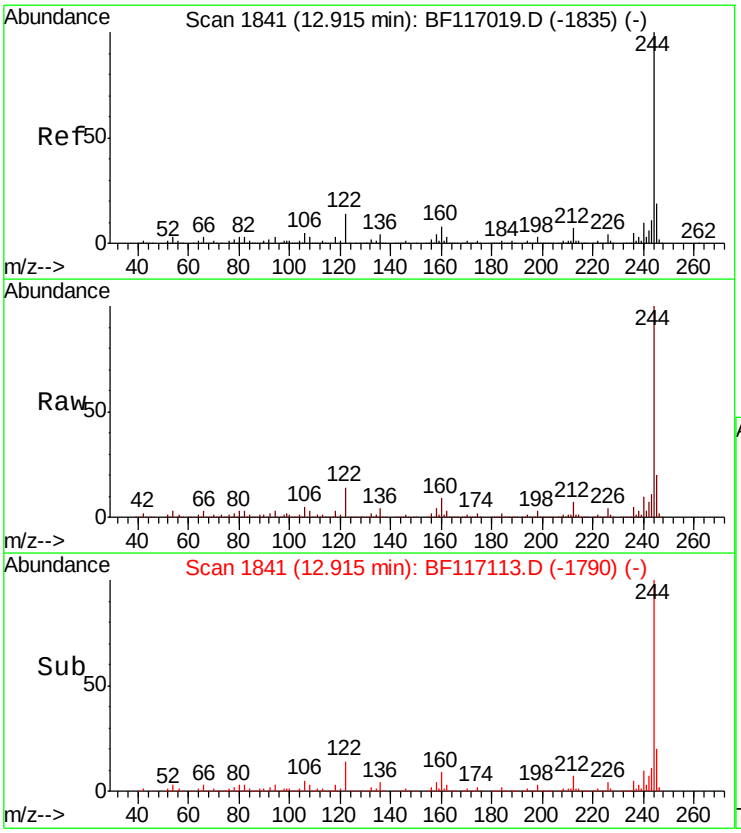
#77
Benzidine
Concen: 2.677 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 12494

Ion	Ratio	Lower	Upper
184	100		
185	20.2	11.6	17.4#
183	9.3	9.0	13.4

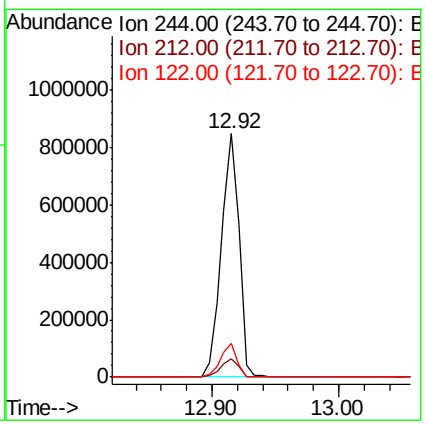


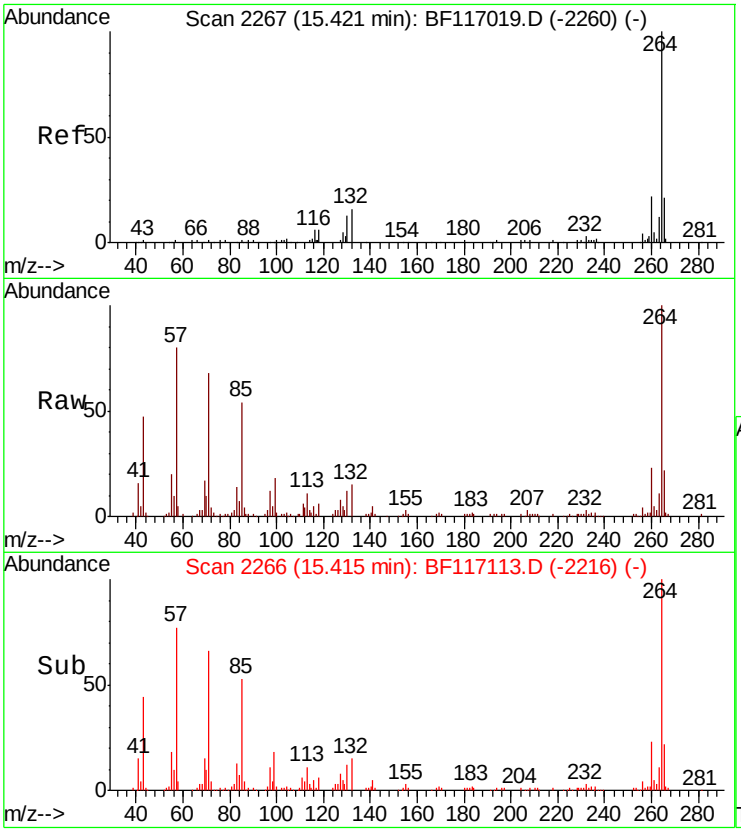


#79
Terphenyl-d14
Concen: 106.684 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion:244 Resp: 826975

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	14.0	11.3	16.9





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 128579

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.6	26.4
265	22.2	16.6	24.8