Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
Data File : BF117143.D
Acq On : 18 Sep 2019 12:54
Operator : HP/JU
Sample : PB123129BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 19 05:12:28 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	80414	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	317023	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	165963	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	272616	20.00	ng	0.00
76) Chrysene-d12	13.97	240	177563	20.00	ng	0.00
87) Perylene-d12	15.43	264	140809	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	683921	132.78	ng	0.02
7) Phenol-d6	6.46	99	917369	137.82	ng	0.00
23) Nitrobenzene-d5	7.39	82	575895	95.45	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	189976	136.96	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1026022	96.66	ng	0.00
79) Terphenyl-d14	12.92	244	1009937	106.32	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.46	77	1154	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	75867	18.717	ng	# 76
25) Isophorone	7.39	82	575946	53.912	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	19811	8.278	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	19811	6.377	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	312	7.117	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	12148	4.363	ng	# 1
77) Benzidine	12.92	184	13568	2.372	ng	# 94

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

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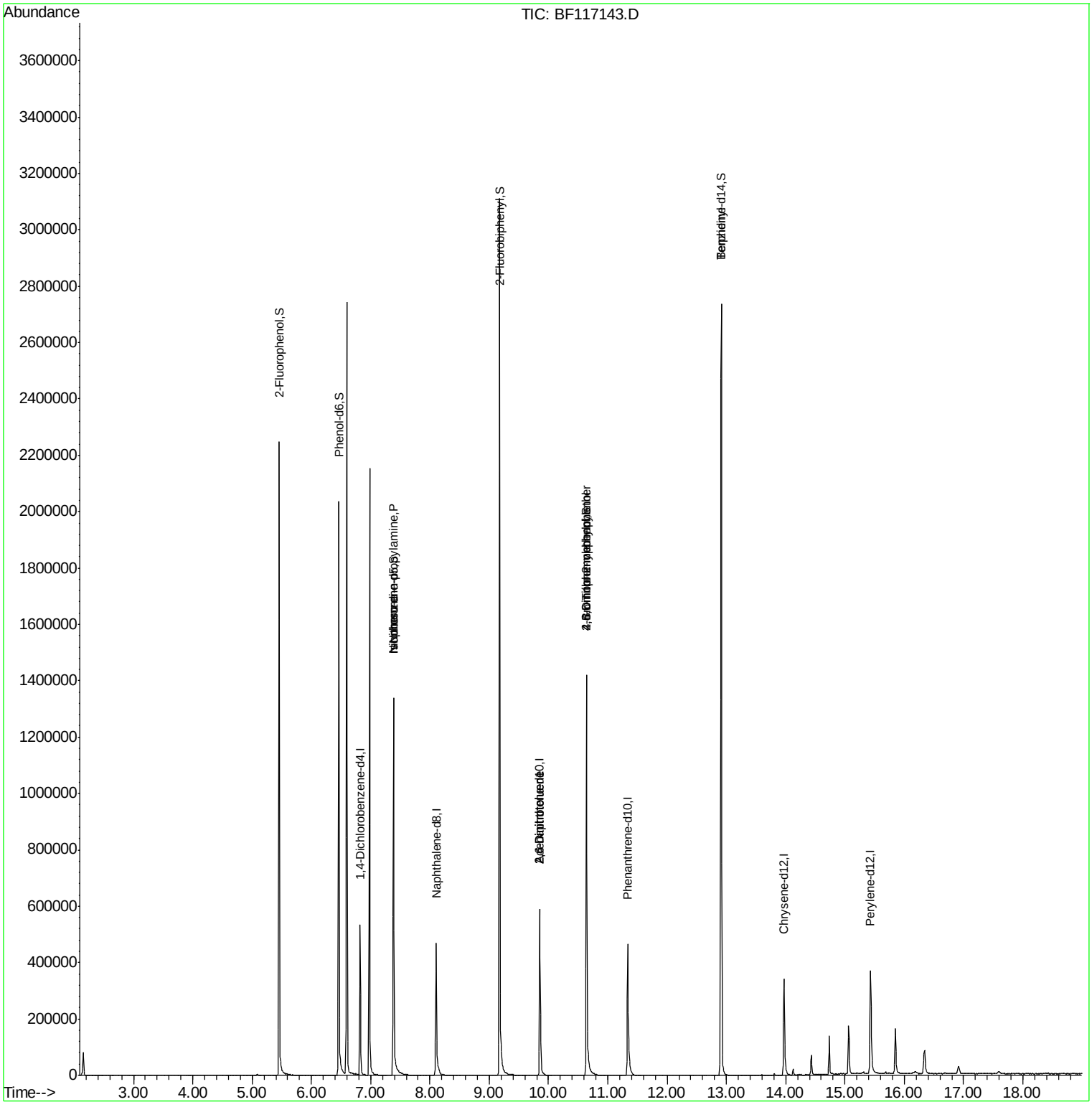
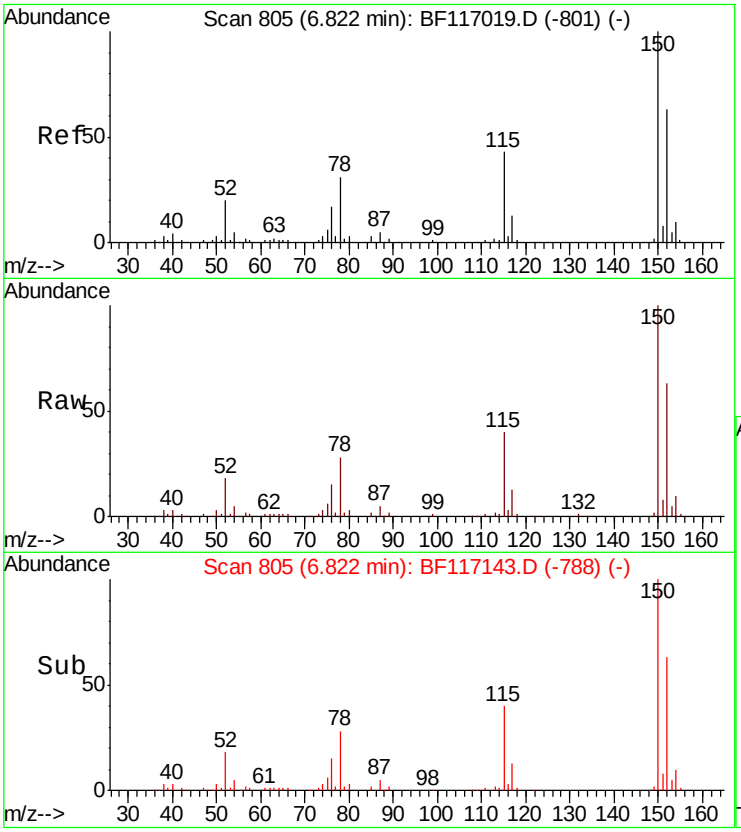
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration



8270-BF091319.M Thu Sep 19 05:07:18 2019 Page: 2

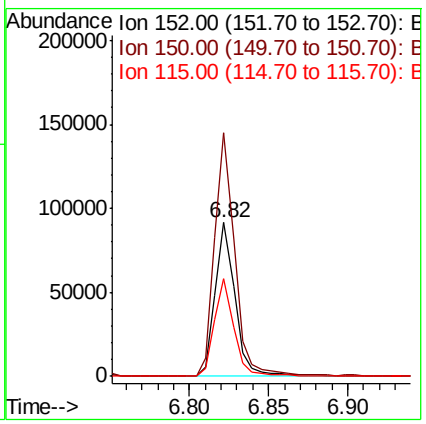


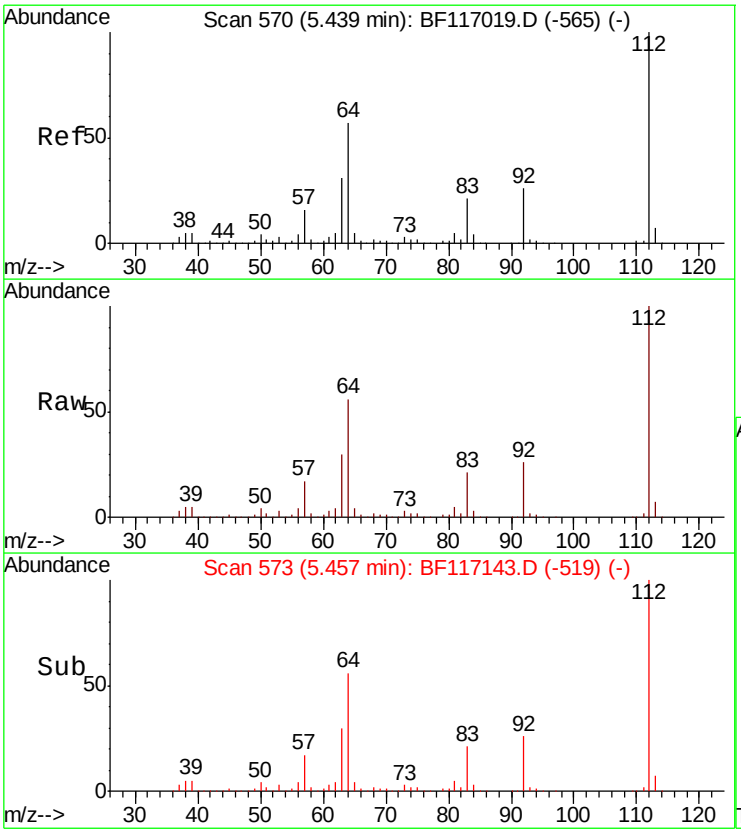
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 80414

Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.5	191.3
115	64.0	55.0	82.4

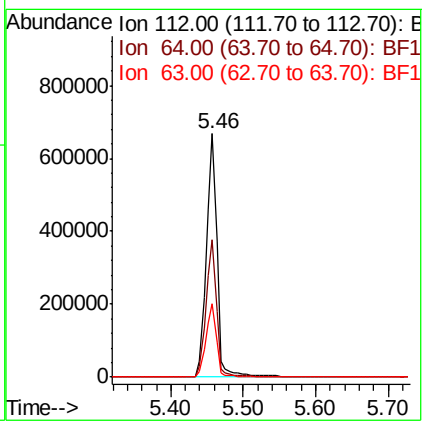


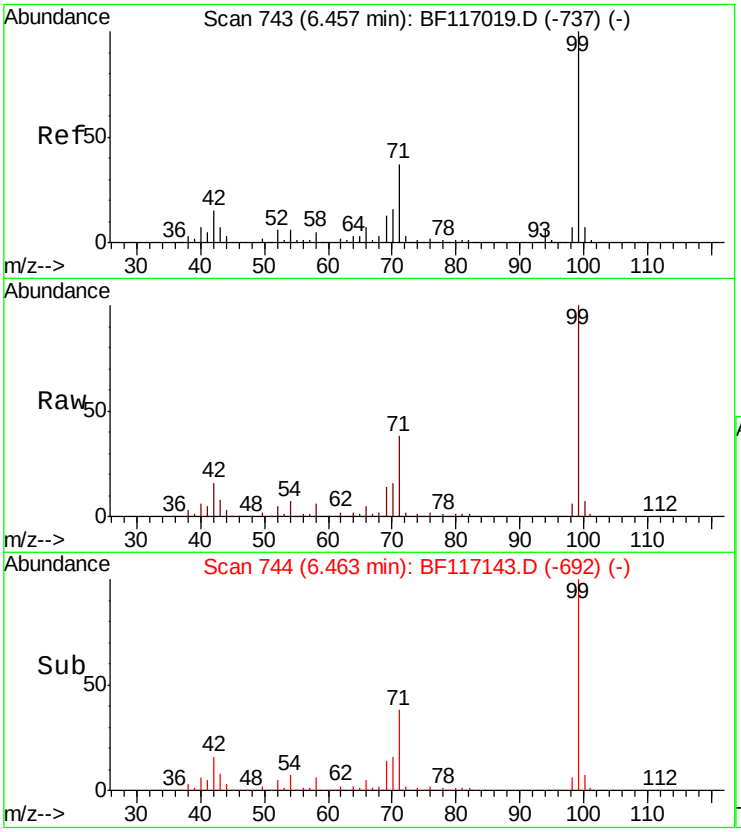


#5
2-Fluorophenol
Concen: 132.784 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Tgt Ion:112 Resp: 683921

Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.7	68.5
63	30.3	24.9	37.3



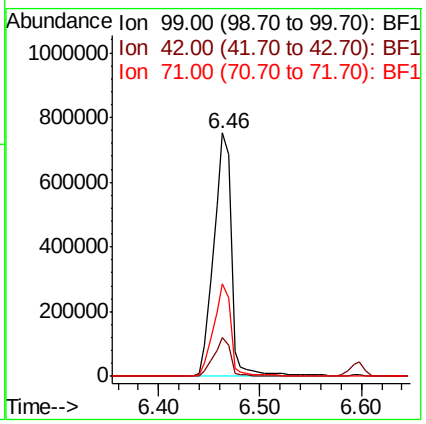


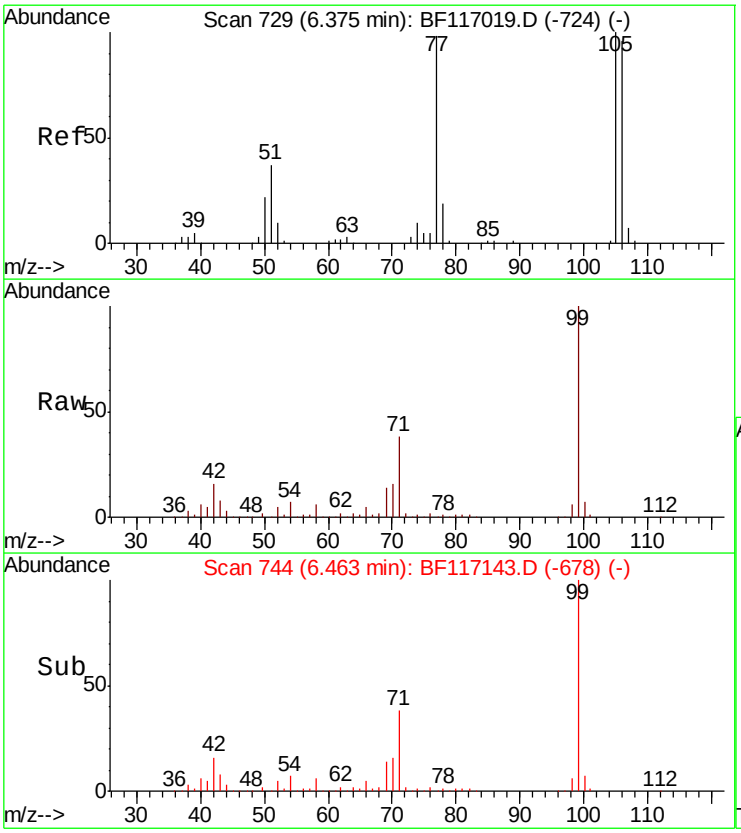
#7
Phenol-d6
Concen: 137.816 ng
RT: 6.46 min Scan# 744
Delta R.T. 0.01 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 917369

Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.2	18.2
71	38.1	29.8	44.8

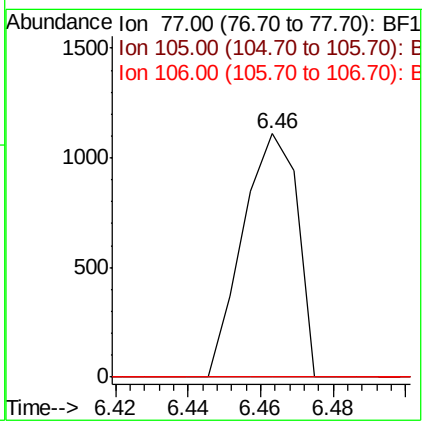


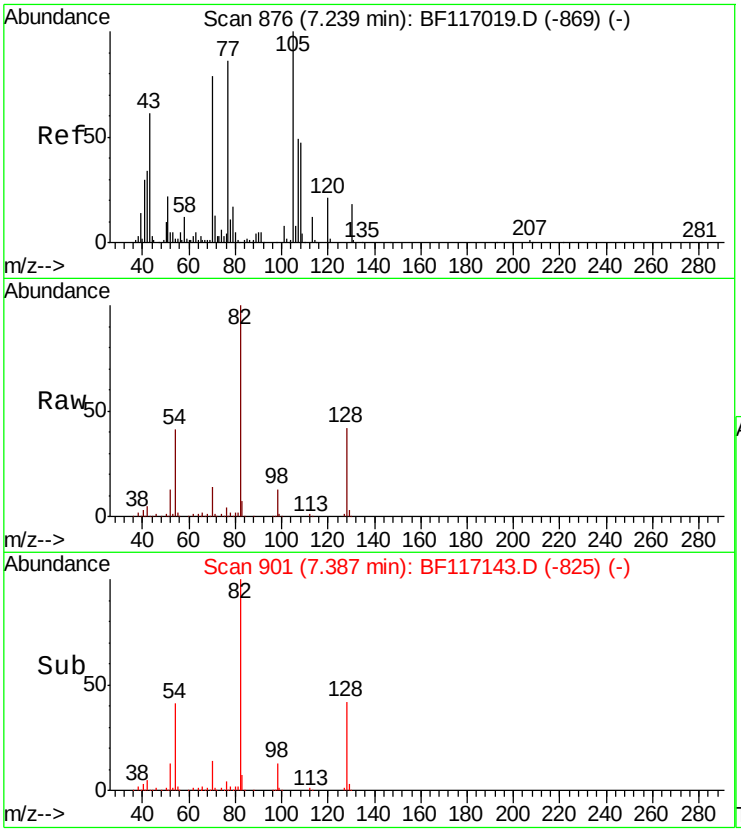


#9
Benzaldehyde
Concen: Below Cal
RT: 6.46 min Scan# 744
Delta R.T. 0.09 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Tgt Ion: 77 Resp: 1154

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



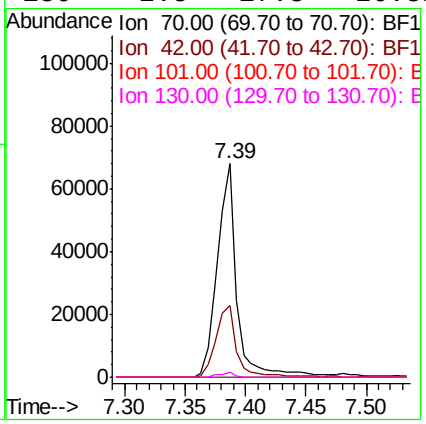


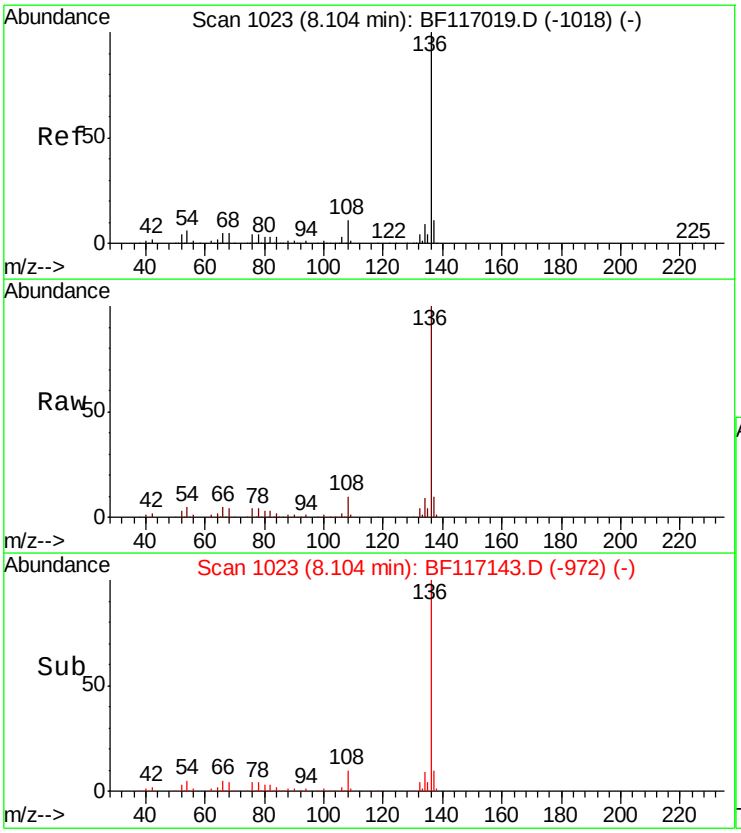
#19
n-Nitroso-di-n-propylamine
Concen: 18.717 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 75867

Ion	Ratio	Lower	Upper
70	100		
42	33.7	34.0	51.0#
101	0.0	7.8	11.6#
130	2.5	17.8	26.8#

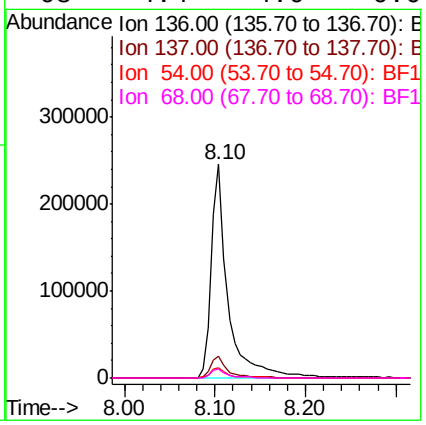


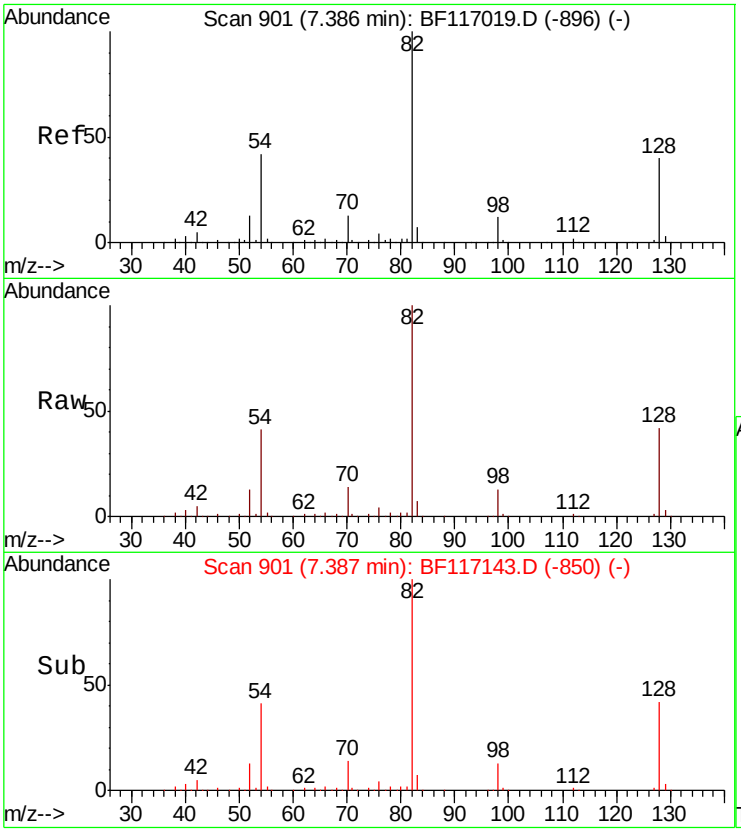


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Tgt Ion:136 Resp: 317023

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	4.9	4.5	6.7
68	4.4	4.0	6.0



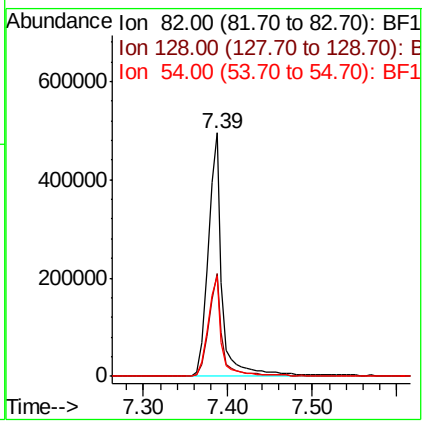


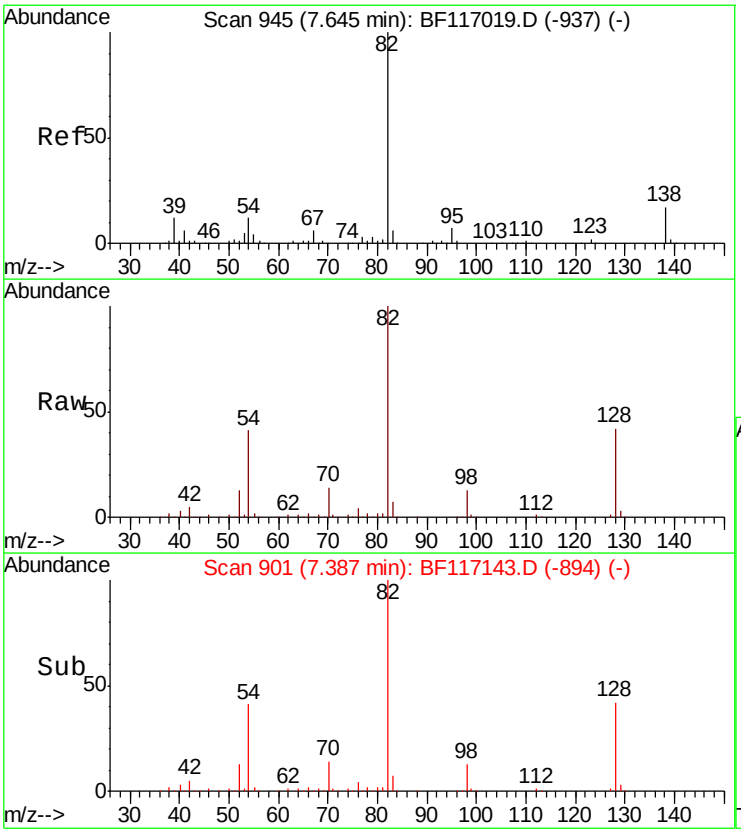
#23
Nitrobenzene-d5
Concen: 95.447 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 575895

Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.3	48.5
54	40.9	33.3	49.9

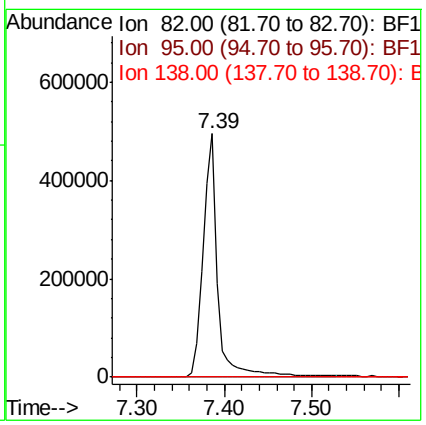


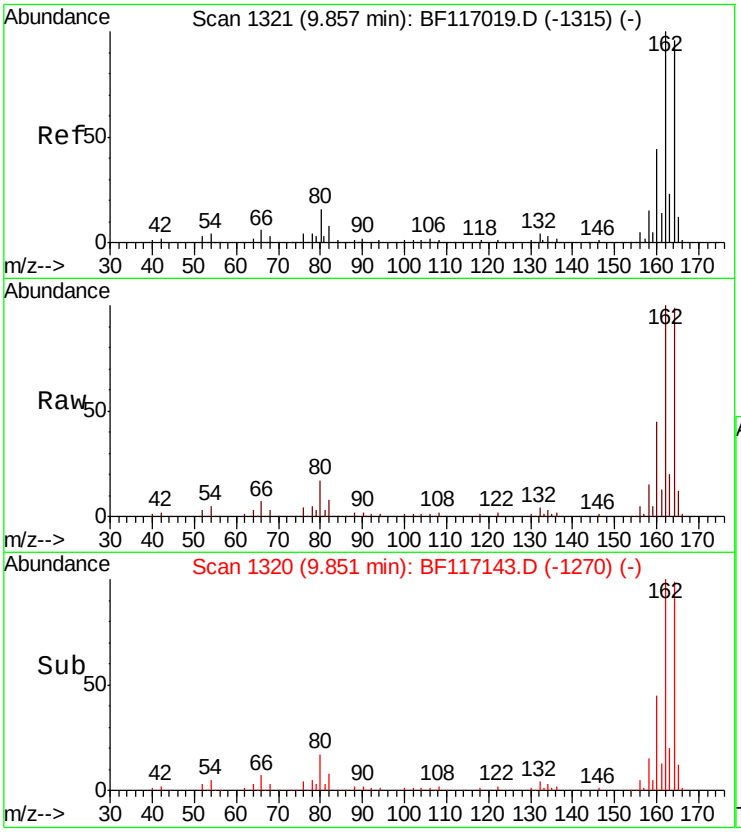


#25
Isophorone
Concen: 53.912 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Tgt Ion: 82 Resp: 575946

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



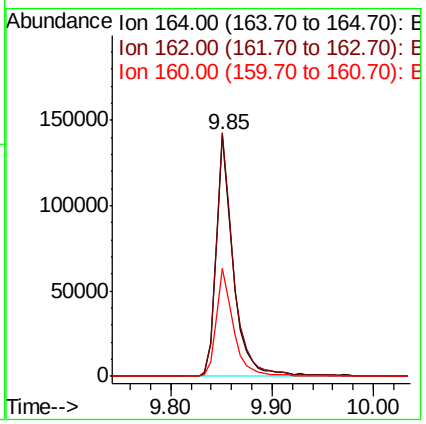


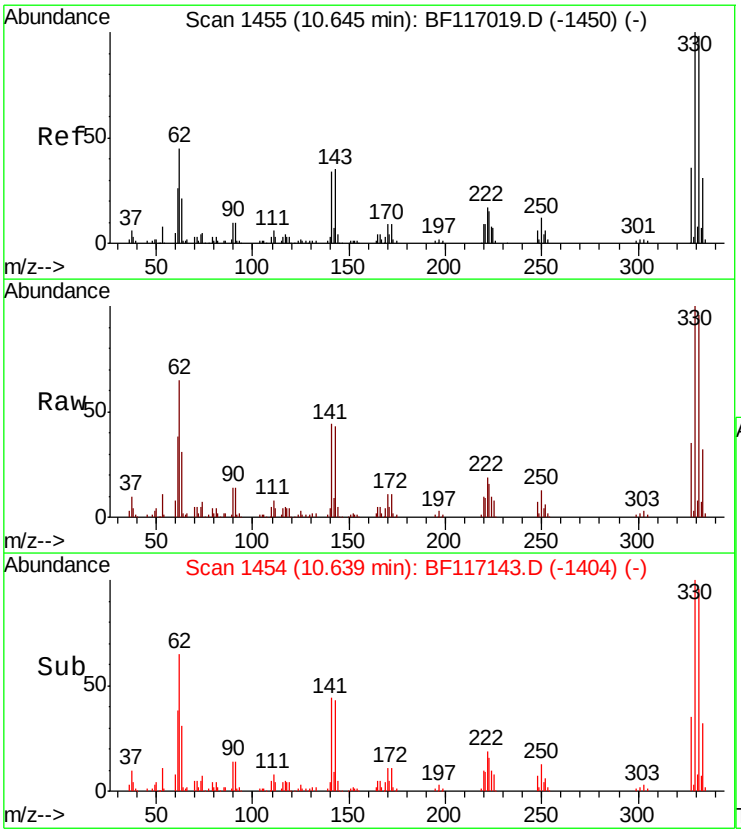
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 165963

Ion	Ratio	Lower	Upper
164	100		
162	100.9	83.4	125.2
160	44.9	36.4	54.6

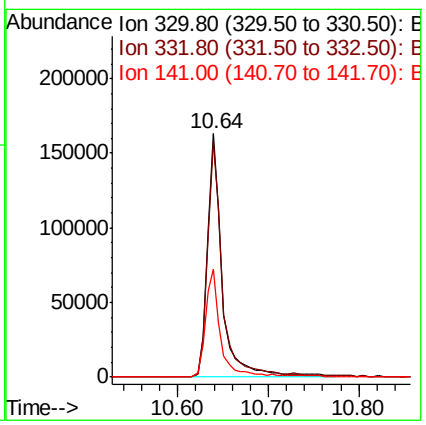


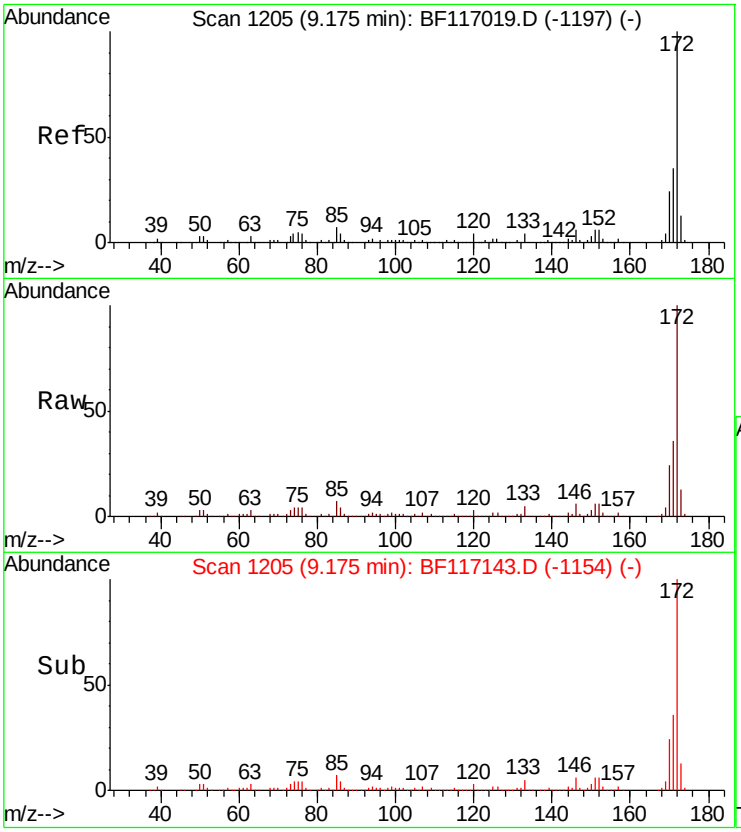


#42
2,4,6-Tribromophenol
Concen: 136.962 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Tgt Ion:330 Resp: 189976

Ion	Ratio	Lower	Upper
330	100		
332	99.4	78.0	117.0
141	45.9	35.8	53.6



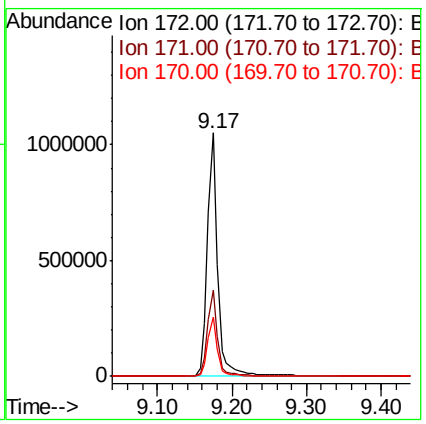


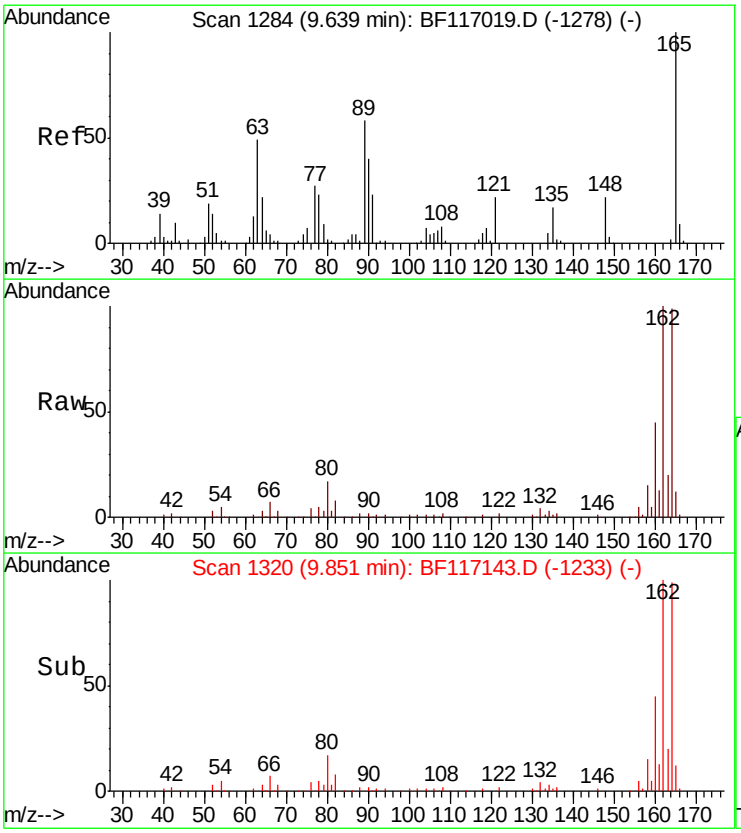
#45
2-Fluorobiphenyl
Concen: 96.664 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 1026022

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	24.1	18.9	28.3

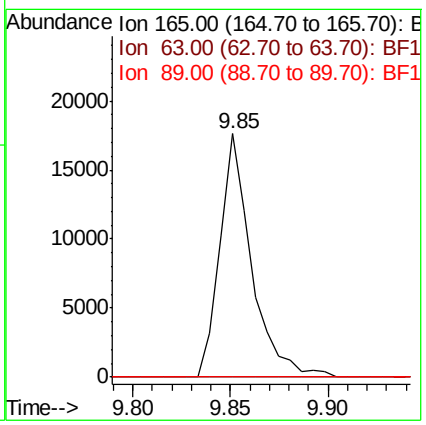


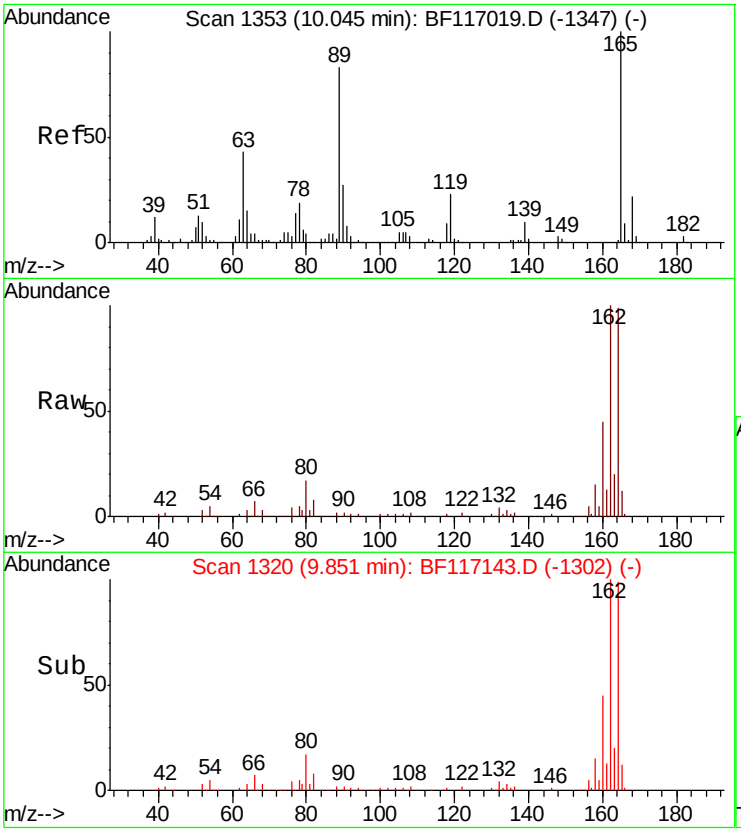


#51
2,6-Dinitrotoluene
Concen: 8.278 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Tgt Ion:165 Resp: 19811

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



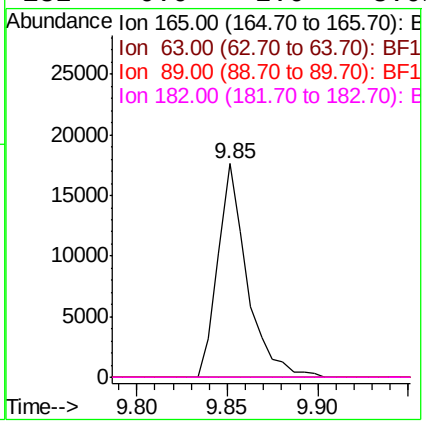


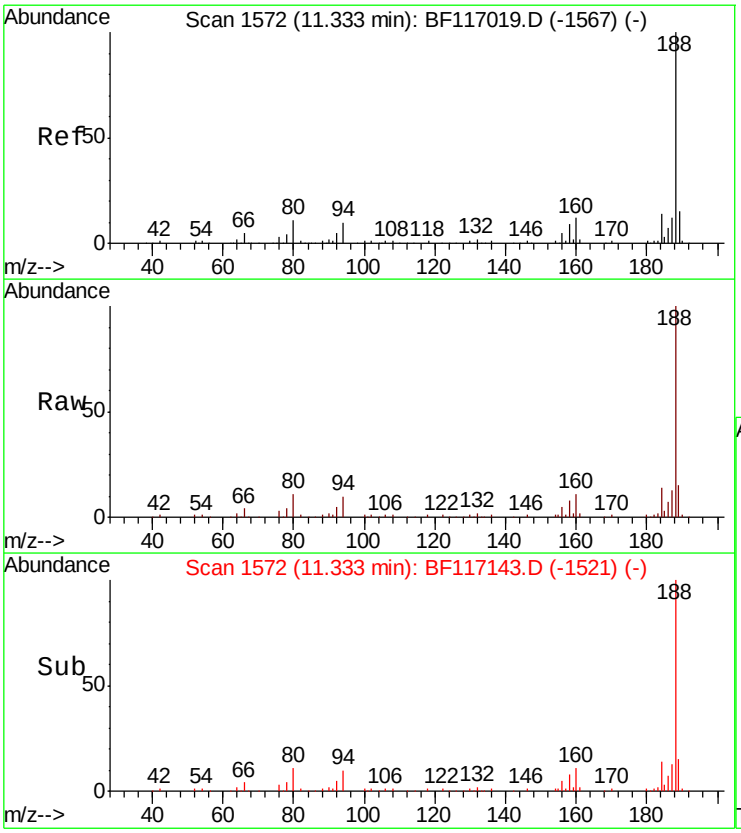
#57
2,4-Dinitrotoluene
Concen: 6.377 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 19811

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

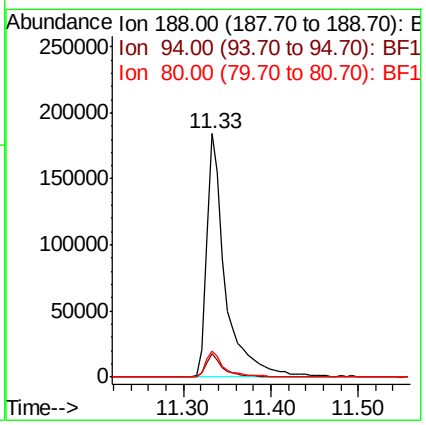


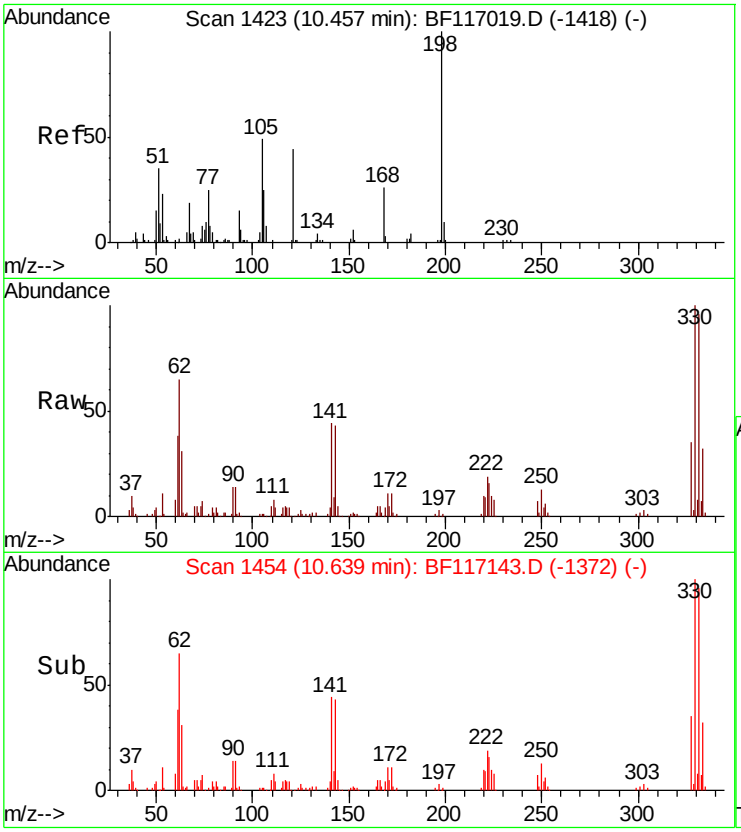


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Tgt Ion:188 Resp: 272616

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	10.7	9.0	13.6



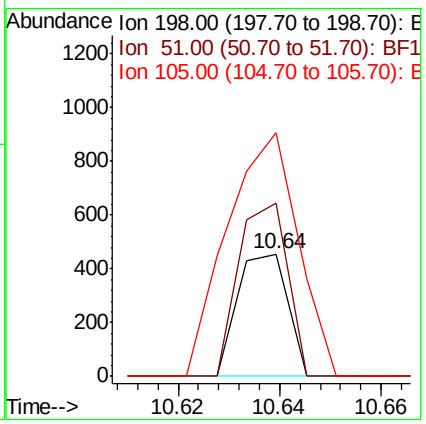


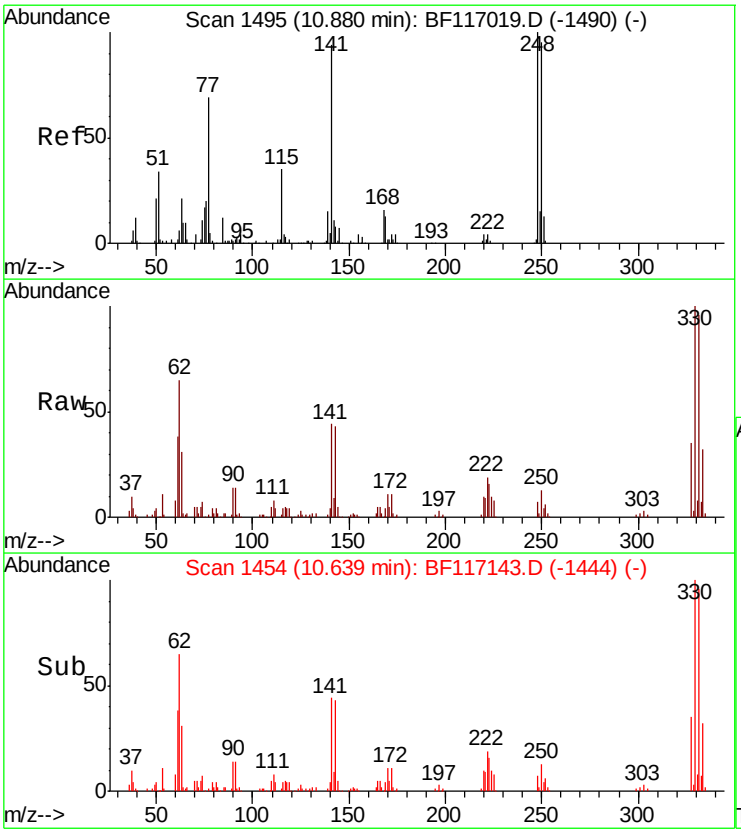
#65
4,6-Dinitro-2-methylphenol
Concen: 7.117 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 312

Ion	Ratio	Lower	Upper
198	100		
51	141.7	18.7	58.7#
105	198.7	30.2	70.2#

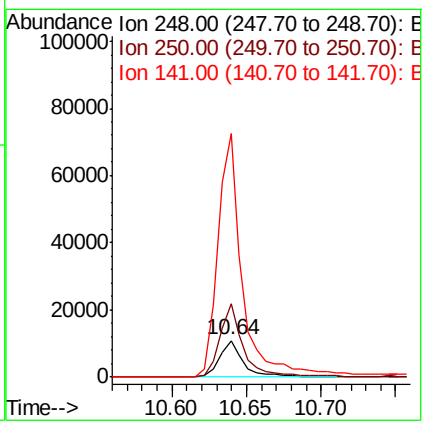


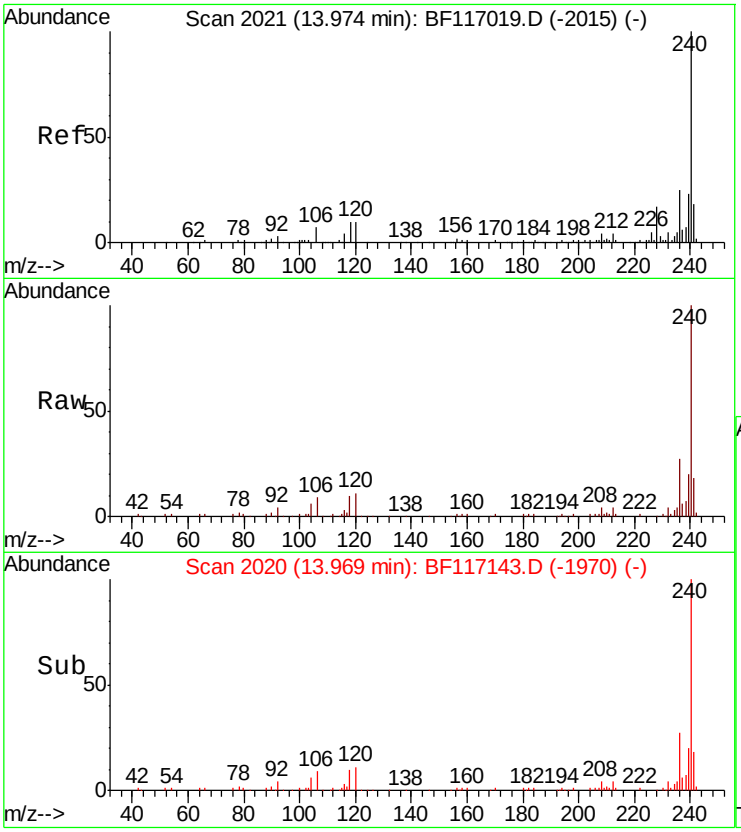


#67
4-Bromophenyl-phenylether
Concen: 4.363 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Tgt Ion:248 Resp: 12148

Ion	Ratio	Lower	Upper
248	100		
250	199.8	76.2	114.4#
141	667.5	75.0	112.4#



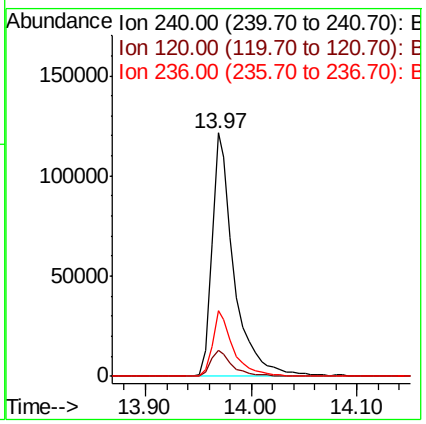


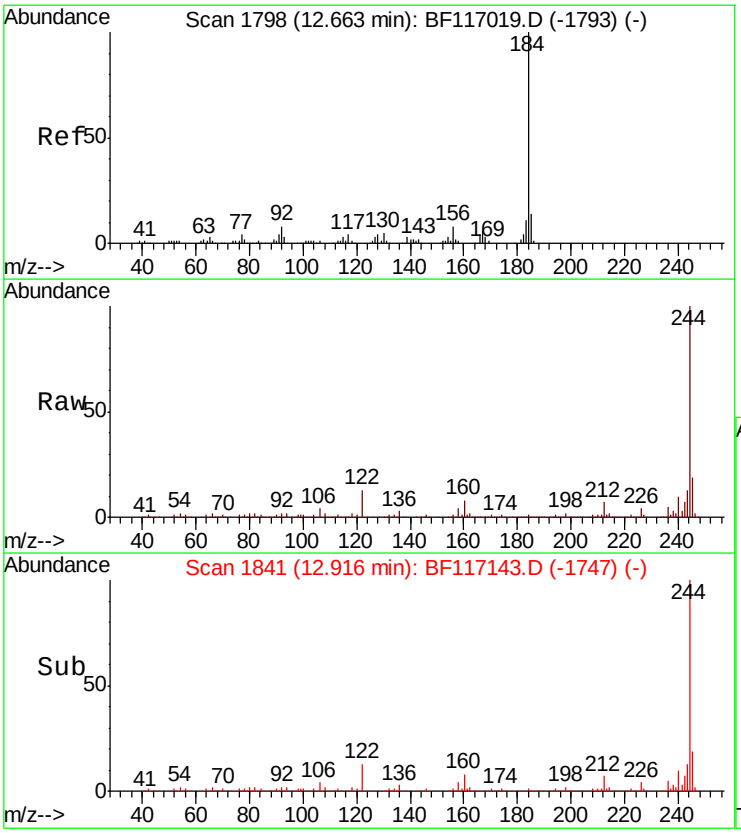
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 177563

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.3	12.5
236	26.8	20.3	30.5

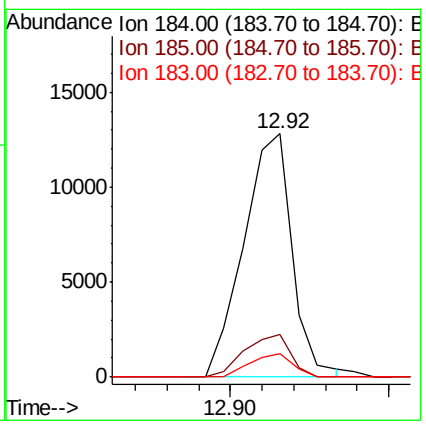


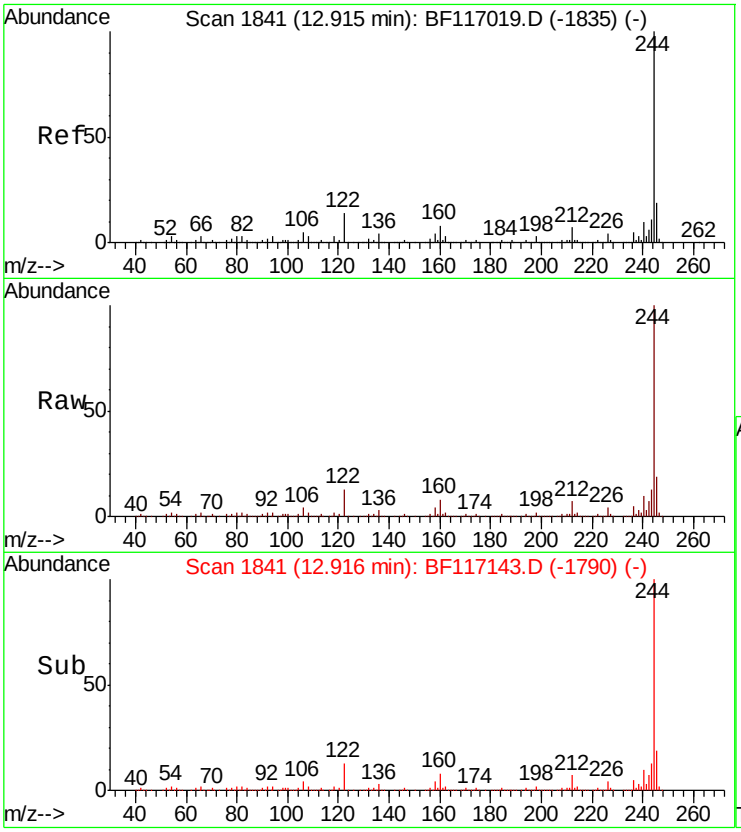


#77
Benzidine
Concen: 2.372 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Tgt Ion:184 Resp: 13568

Ion	Ratio	Lower	Upper
184	100		
185	17.4	11.6	17.4#
183	9.8	9.0	13.4



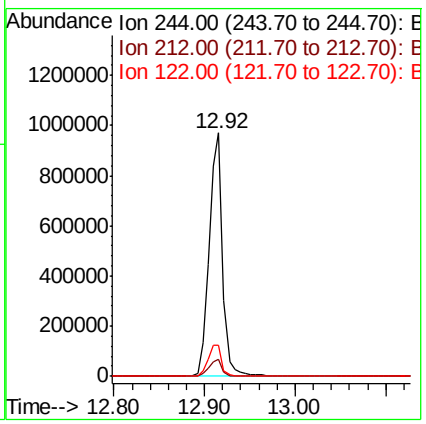


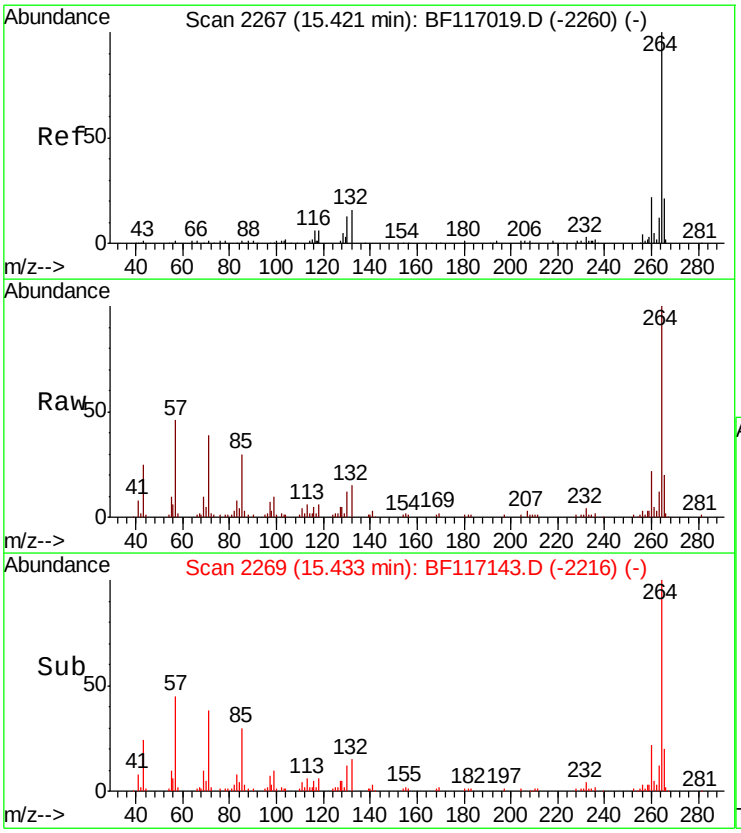
#79
Terphenyl-d14
Concen: 106.317 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 1009937

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	12.8	11.3	16.9





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Tgt Ion:264 Resp: 140809

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.6	26.4
265	20.3	16.6	24.8