

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101719\  
 Data File : BF117437.D  
 Acq On : 17 Oct 2019 22:20  
 Operator : JU  
 Sample : K5393-24  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-13-V1-(0-24)

Quant Time: Oct 18 03:56:44 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	44022	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	177901	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	94731	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	164086	20.00	ng	0.00
76) Chrysene-d12	13.96	240	140293	20.00	ng	0.00
87) Perylene-d12	15.42	264	145573	20.00	ng	0.00

## System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	369858	129.27	ng	0.01
7) Phenol-d6	6.44	99	496032	130.67	ng	0.00
23) Nitrobenzene-d5	7.36	82	316849	90.28	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	118880	154.19	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	586712	90.29	ng	0.00
79) Terphenyl-d14	12.90	244	682424	79.30	ng	0.00

## Target Compounds

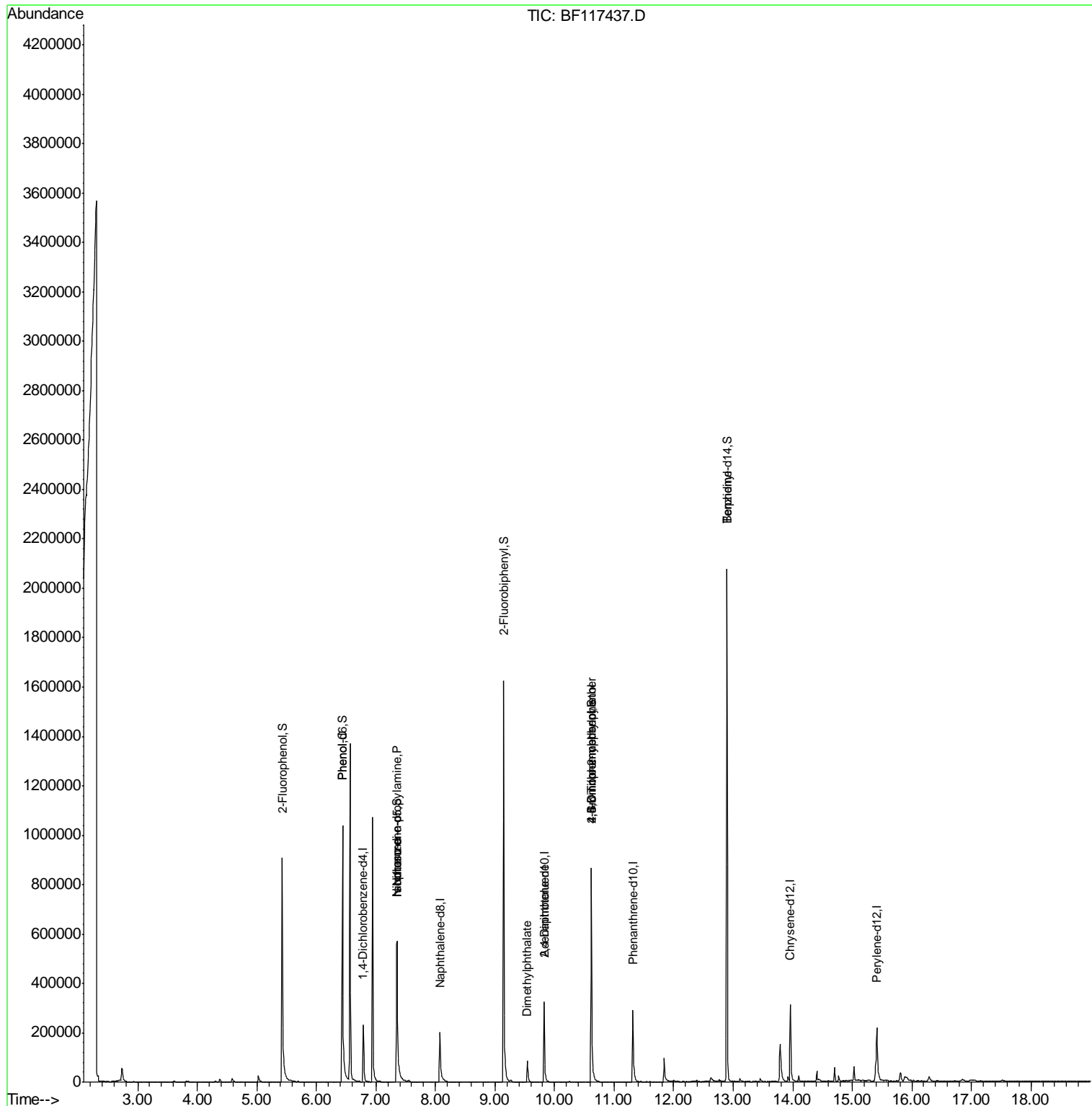
	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	427	Below Cal		# 1
10) Phenol	6.45	94	13967	3.408	ng	# 73
19) n-Nitroso-di-n-propylamine	7.36	70	41179	17.013	ng	# 74
25) Isophorone	7.36	82	316847	50.681	ng	# 67
50) Dimethylphthalate	9.55	163	54196	7.966	ng	97
57) 2,4-Dinitrotoluene	9.83	165	11806	6.257	ng	# 12
65) 4,6-Dinitro-2-methylphenol	10.62	198	126	5.320	ng	# 1
67) 4-Bromophenyl-phenylether	10.62	248	7912	4.396	ng	# 1
77) Benzidine	12.90	184	9059	2.611	ng	97

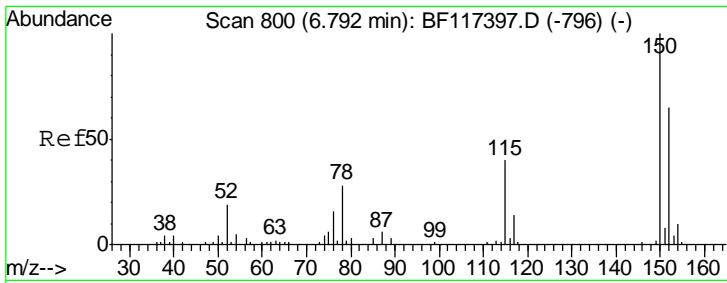
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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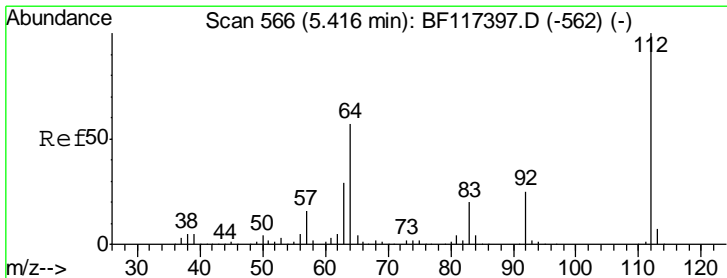
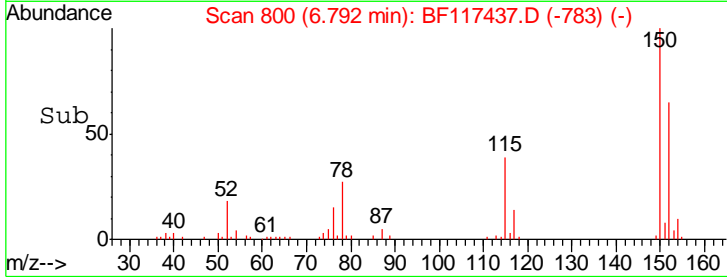
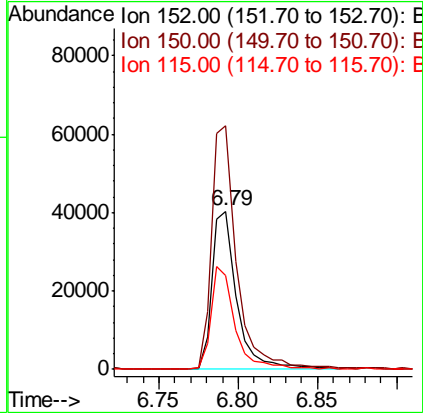
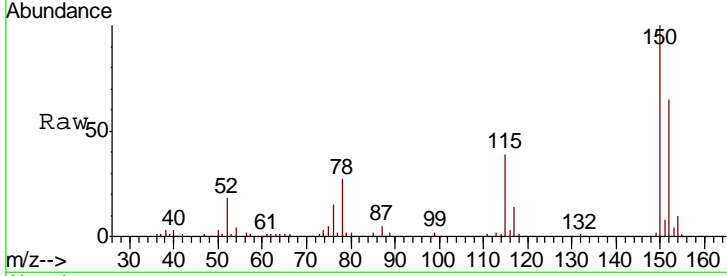




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.79 min Scan# 800  
 Delta R.T. 0.00 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

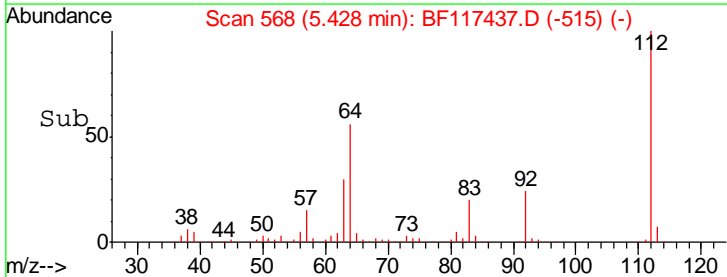
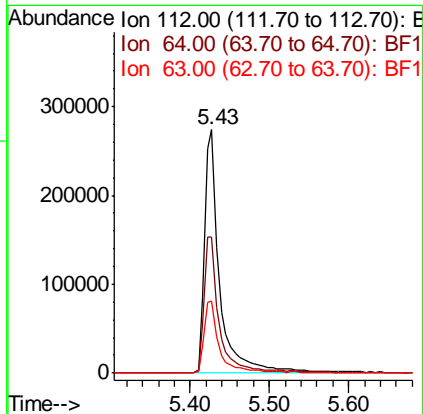
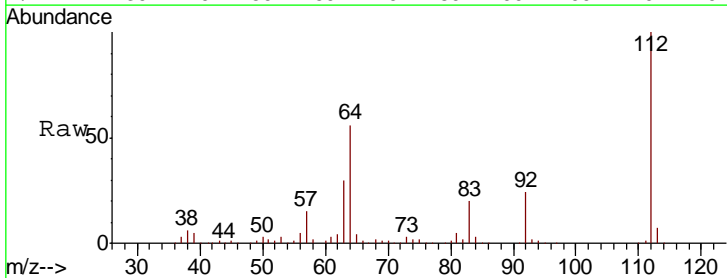
Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-13-V1-(0-24)

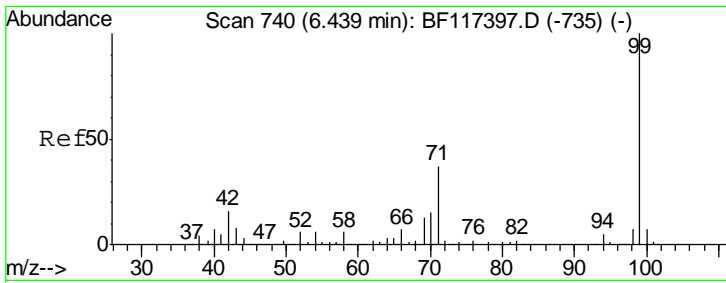
Tgt Ion	Resp	Lower	Upper
152	44022		
150	154.0	122.7	184.1
115	59.4	48.6	73.0



#5  
 2-Fluorophenol  
 Concen: 129.270 ng  
 RT: 5.43 min Scan# 568  
 Delta R.T. 0.01 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Tgt Ion	Resp	Lower	Upper
112	369858		
64	55.7	45.2	67.8
63	29.8	23.4	35.2

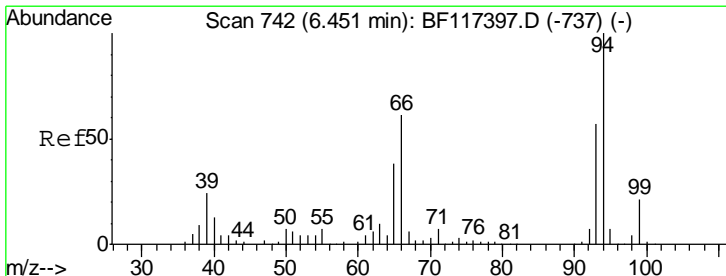
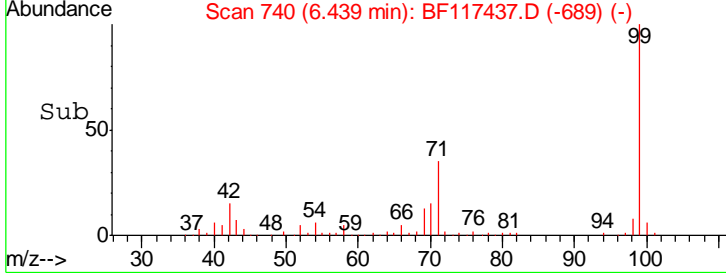
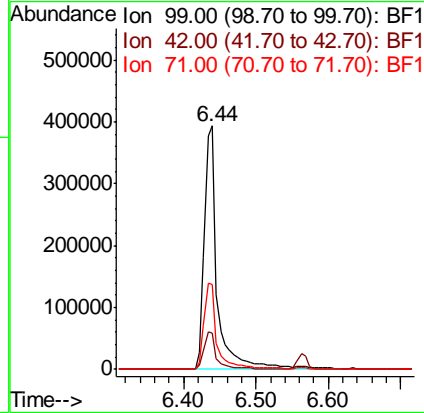
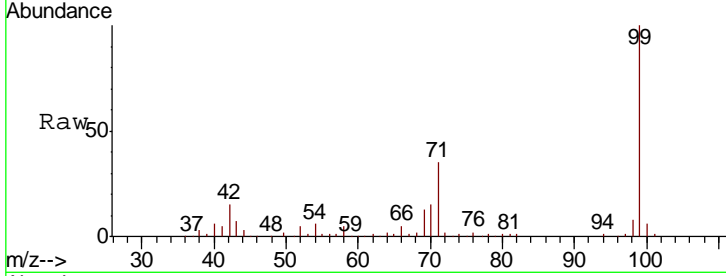




#7  
 Phenol-d6  
 Concen: 130.667 ng  
 RT: 6.44 min Scan# 740  
 Delta R.T. 0.00 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

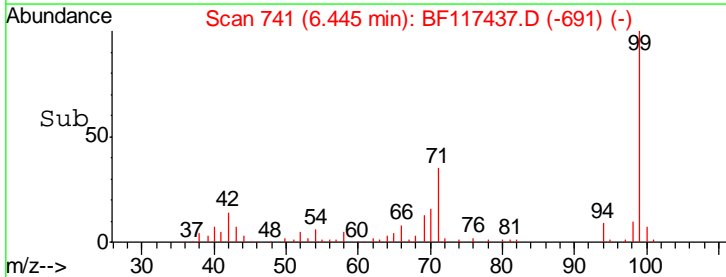
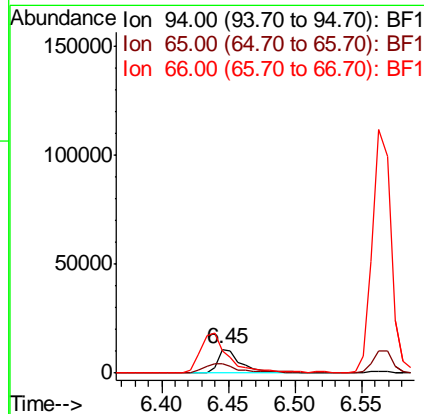
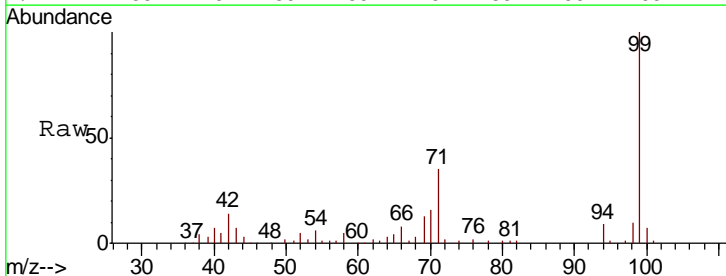
Instrument :  
 BNA\_F  
 ClientSampled :  
 T-13-V1-(0-24)

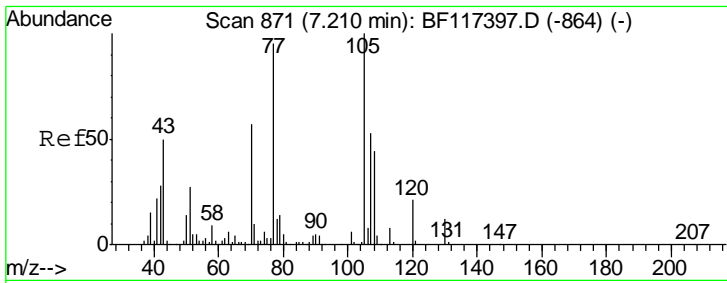
Tgt Ion	Resp	Lower	Upper
99	496032		
42	15.0	12.5	18.7
71	34.8	29.2	43.8



#10  
 Phenol  
 Concen: 3.408 ng  
 RT: 6.45 min Scan# 741  
 Delta R.T. -0.01 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Tgt Ion	Resp	Lower	Upper
94	13967		
65	40.1	18.2	58.2
66	92.6	41.1	81.1#

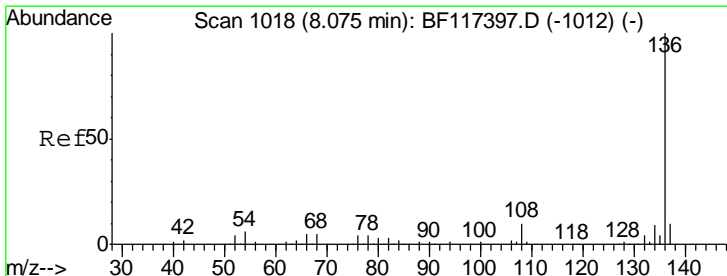
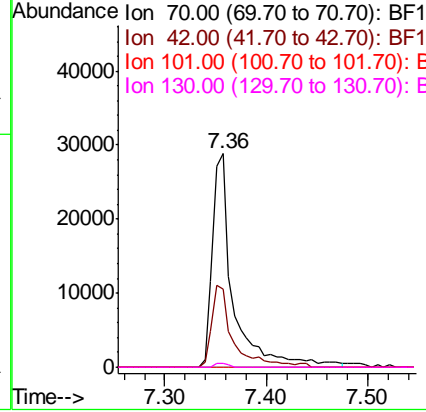
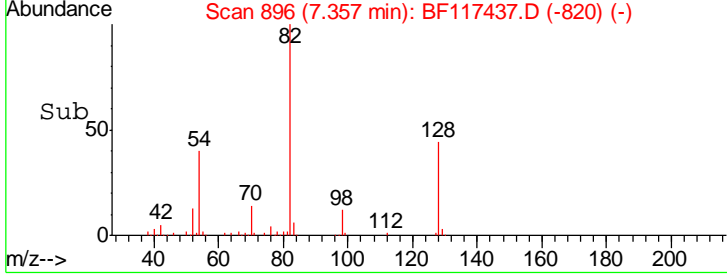
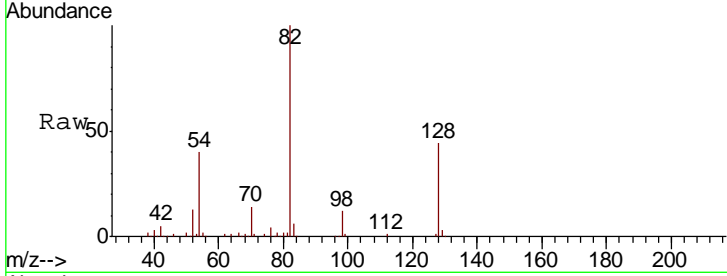




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 17.013 ng  
 RT: 7.36 min Scan# 896  
 Delta R.T. 0.15 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

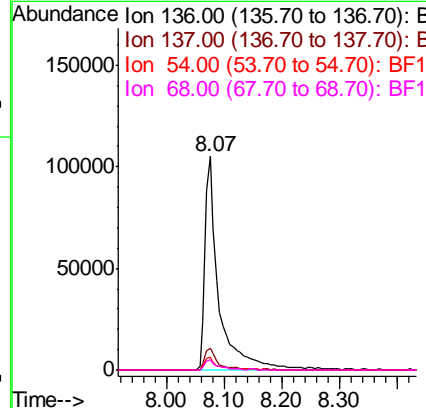
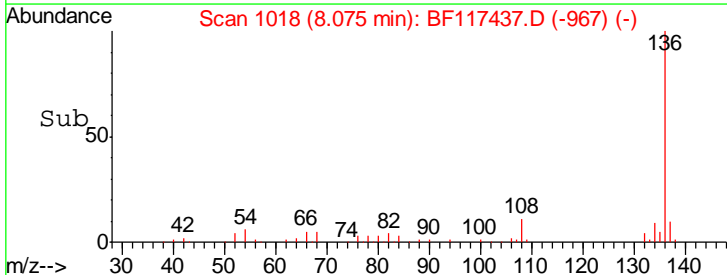
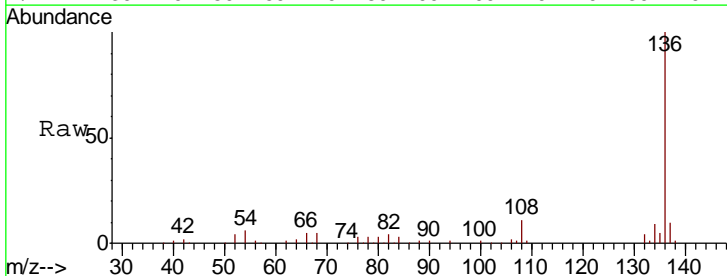
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 T-13-V1-(0-24)

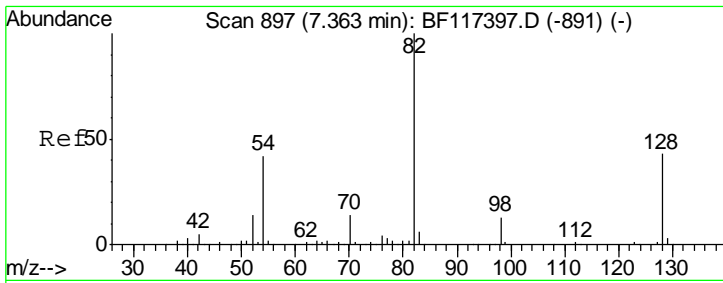
Tgt Ion	Resp	Lower	Upper
70	100		
42	36.3	39.8	59.8#
101	0.0	8.1	12.1#
130	2.0	16.4	24.6#



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.07 min Scan# 1018  
 Delta R.T. 0.00 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Tgt Ion	Resp	Lower	Upper
136	100		
137	10.0	8.4	12.6
54	5.9	4.6	6.8
68	4.6	3.8	5.8

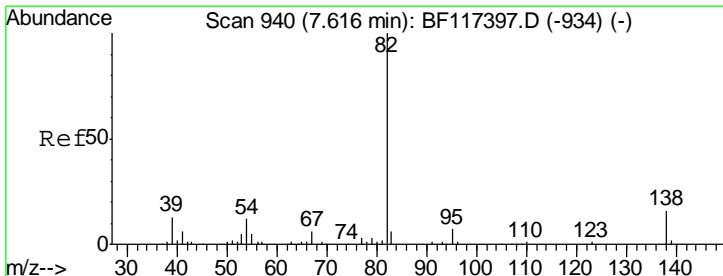
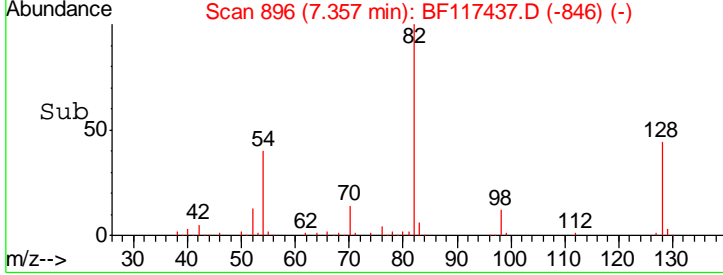
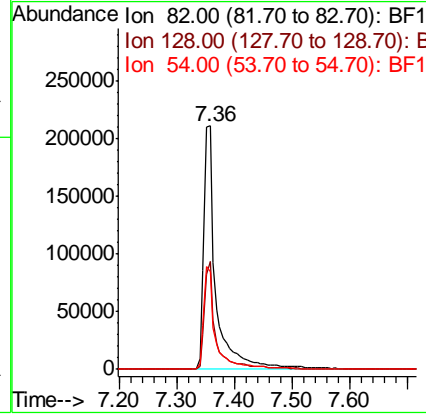
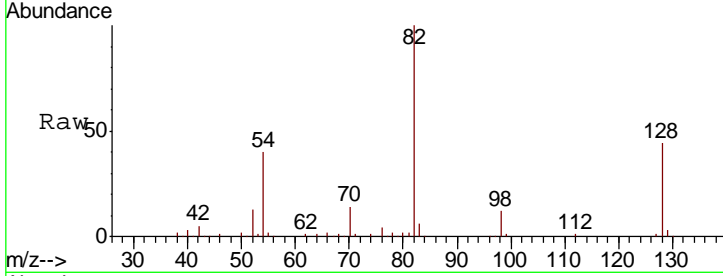




#23  
 Nitrobenzene-d5  
 Concen: 90.282 ng  
 RT: 7.36 min Scan# 896  
 Delta R.T. -0.01 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

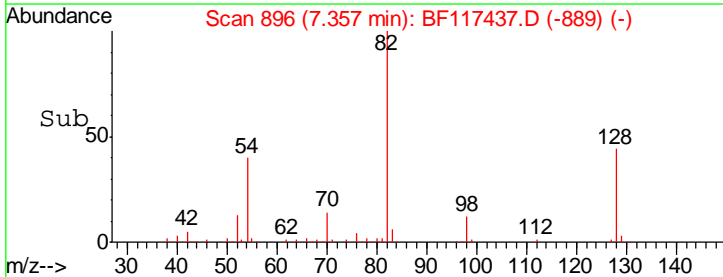
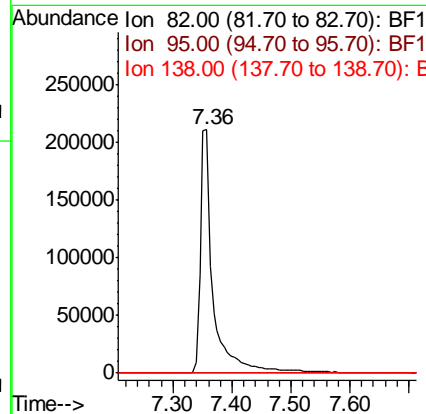
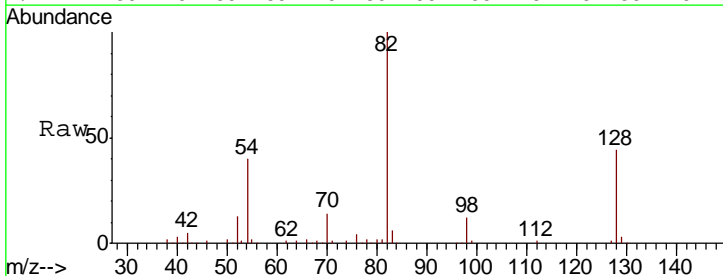
Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-13-V1-(0-24)

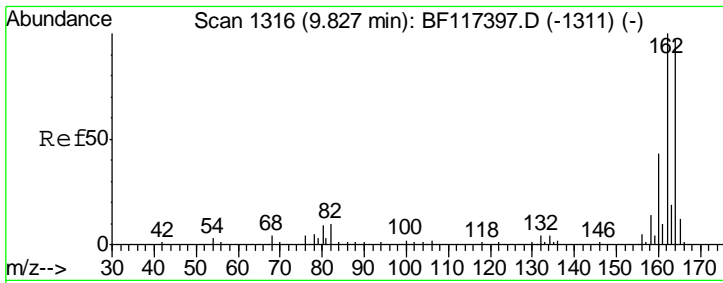
Tgt Ion	Resp	Lower	Upper
82	100		
128	44.2	34.1	51.1
54	40.1	33.3	49.9



#25  
 Isophorone  
 Concen: 50.681 ng  
 RT: 7.36 min Scan# 896  
 Delta R.T. -0.26 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

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

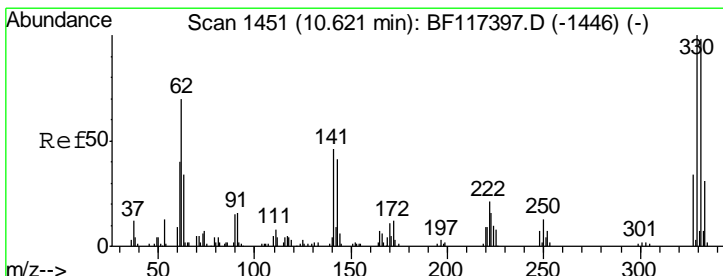
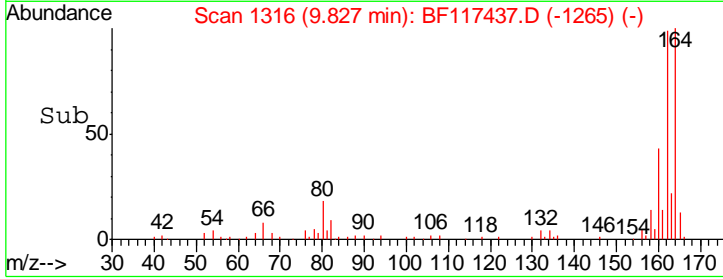
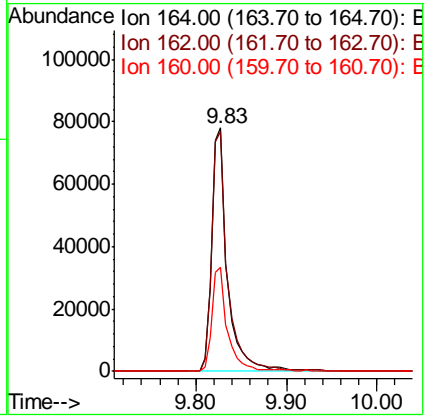
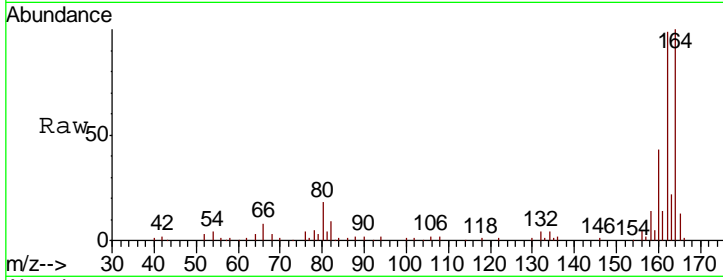




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

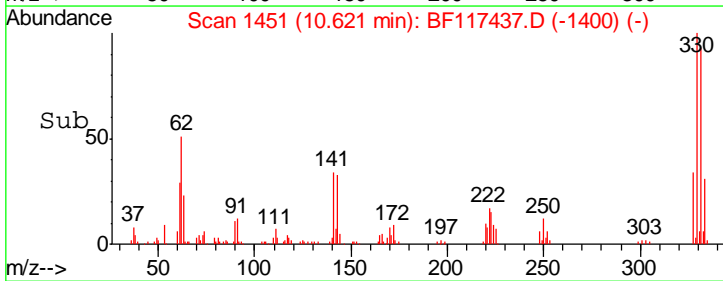
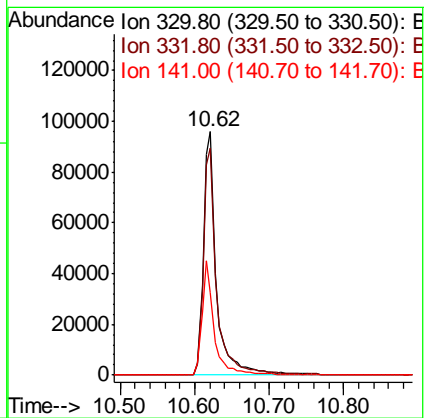
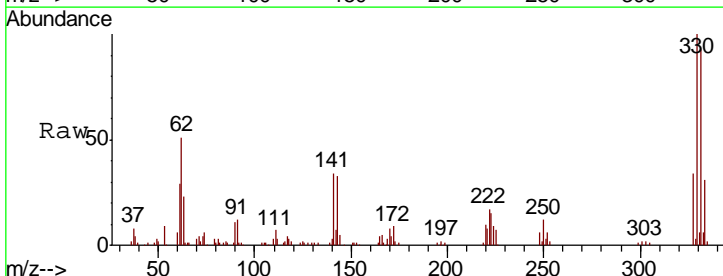
Instrument :  
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 T-13-V1-(0-24)

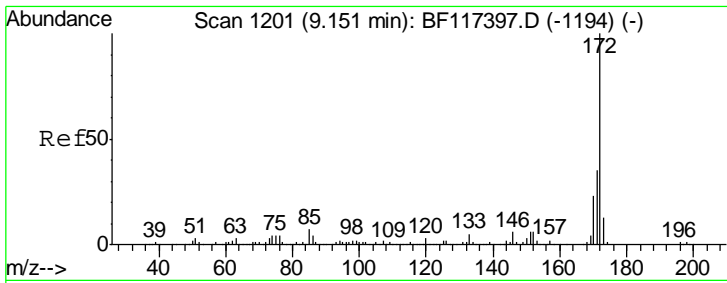
Tgt Ion	Resp	Lower	Upper
164	100		
162	98.5	82.4	123.6
160	42.6	35.4	53.0



#42  
 2,4,6-Tribromophenol  
 Concen: 154.193 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. 0.00 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Tgt Ion	Resp	Lower	Upper
330	100		
332	93.8	75.0	112.6
141	43.7	34.2	51.4



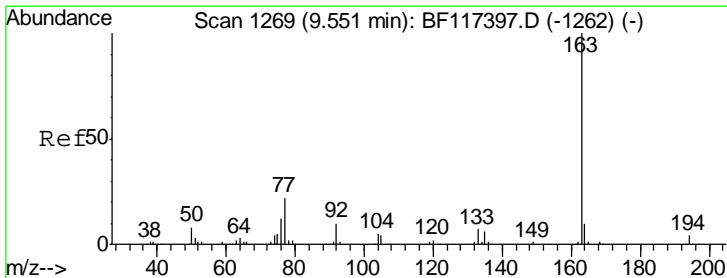
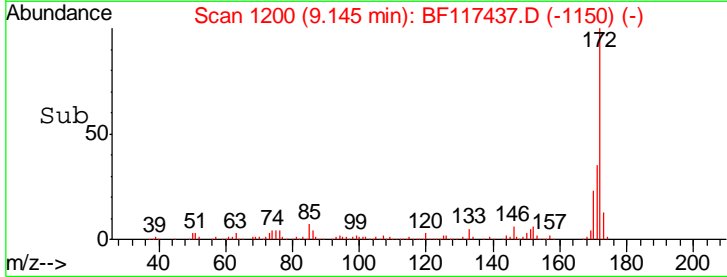
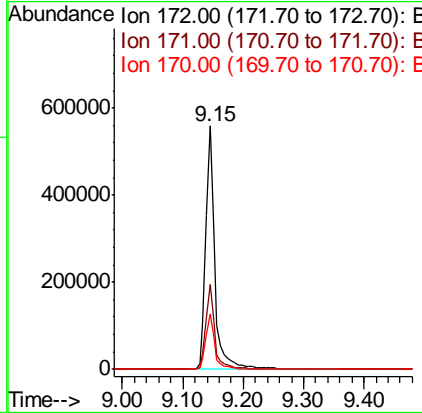
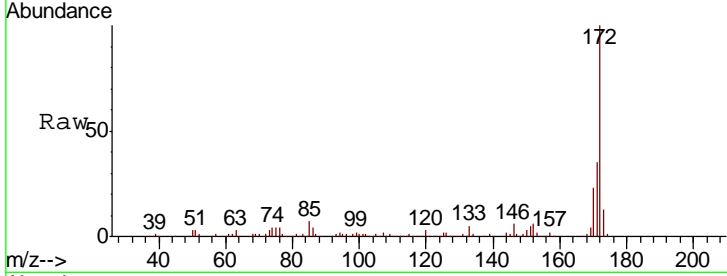


#45  
 2-Fluorobiphenyl  
 Concen: 90.293 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.01 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-13-V1-(0-24)

Tgt Ion:172 Resp: 586712

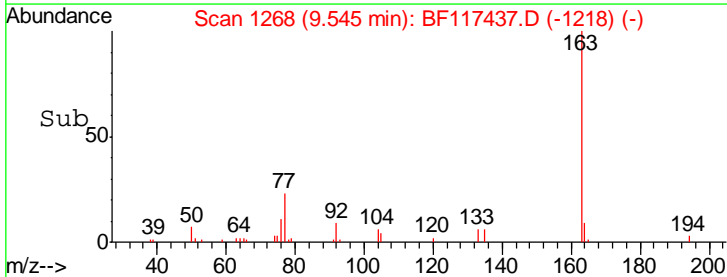
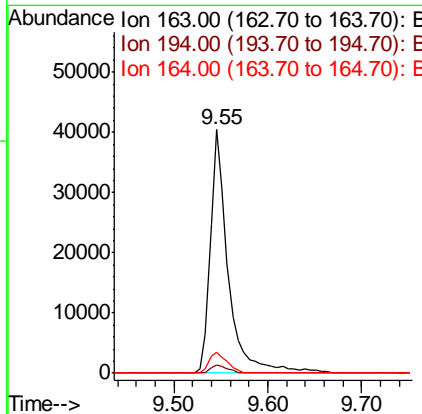
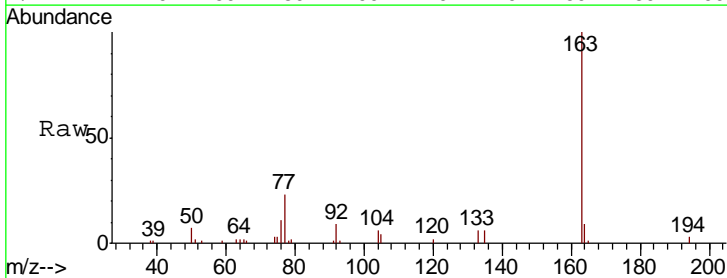
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.2
170	22.9	18.2	27.2



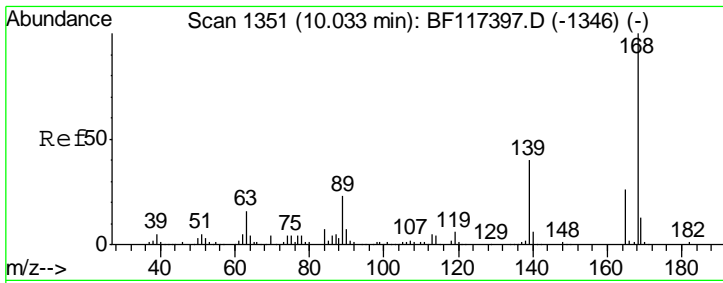
#50  
 Dimethylphthalate  
 Concen: 7.966 ng  
 RT: 9.55 min Scan# 1268  
 Delta R.T. -0.01 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Tgt Ion:163 Resp: 54196

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.1	4.7
164	8.5	8.0	12.0



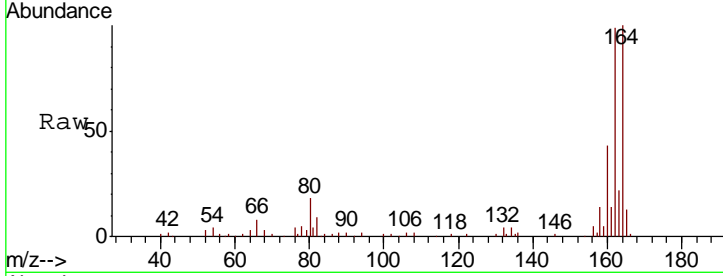




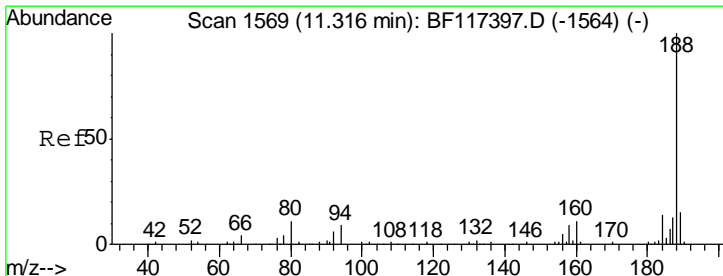
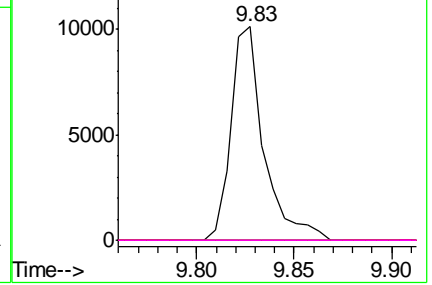
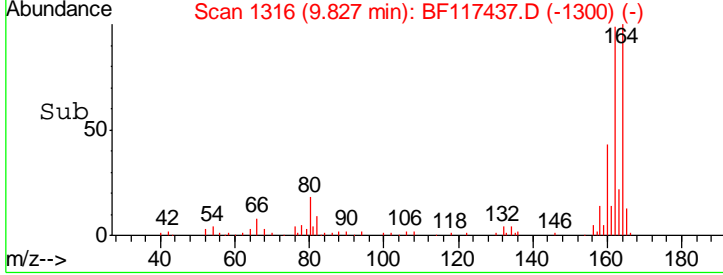
#57  
 2,4-Dinitrotoluene  
 Concen: 6.257 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.21 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Instrument :  
 BNA\_F  
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 T-13-V1-(0-24)

Tgt Ion	Resp	Lower	Upper
165	11806		
63	0.0	51.0	76.4#
89	0.0	70.7	106.1#
182	0.0	2.1	3.1#

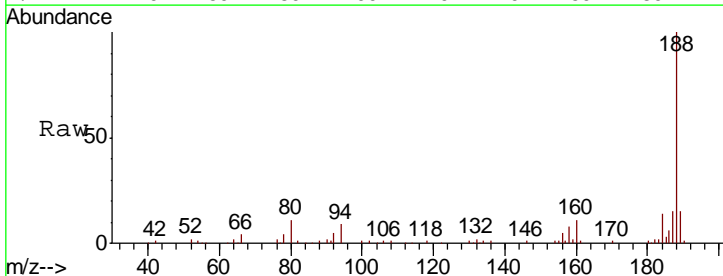


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

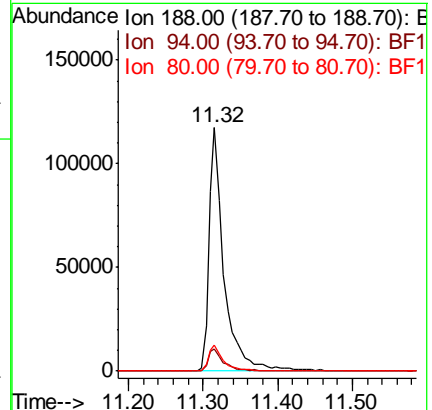
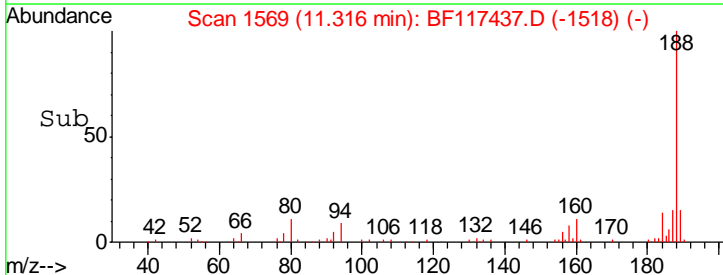


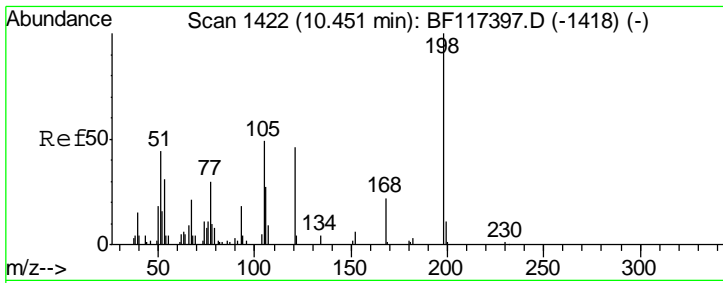
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.32 min Scan# 1569  
 Delta R.T. 0.00 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Tgt Ion	Resp	Lower	Upper
188	164086		
94	9.4	7.5	11.3
80	10.8	8.7	13.1



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

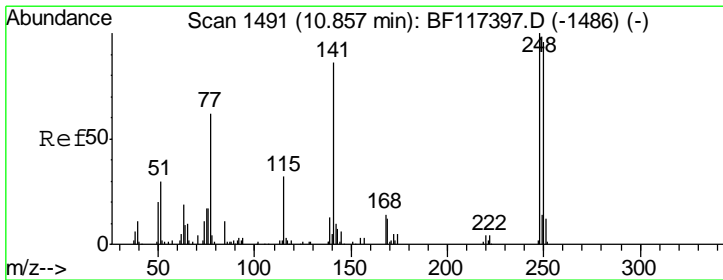
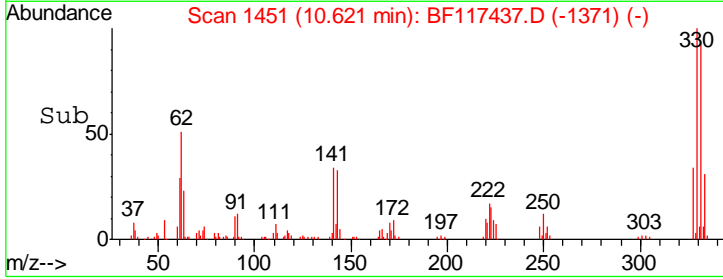
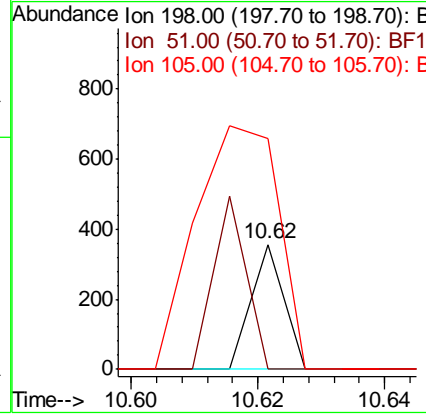
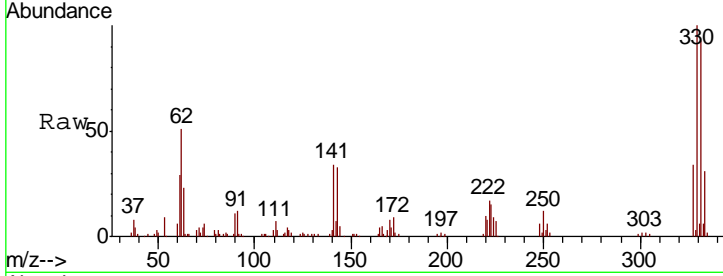




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.320 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. 0.17 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

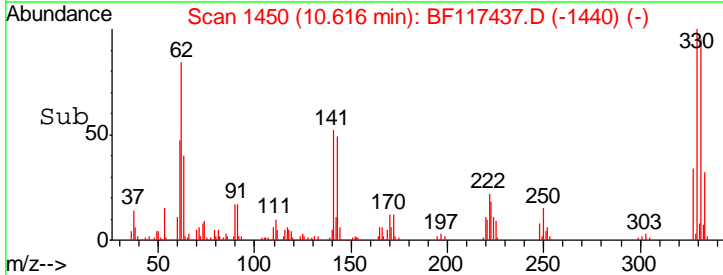
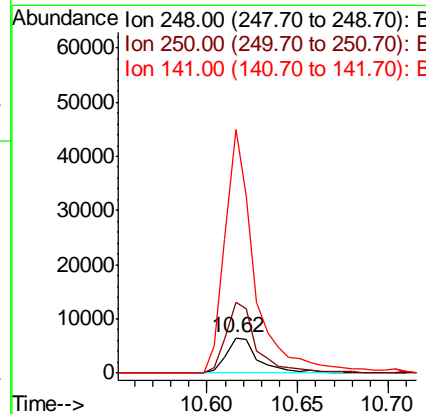
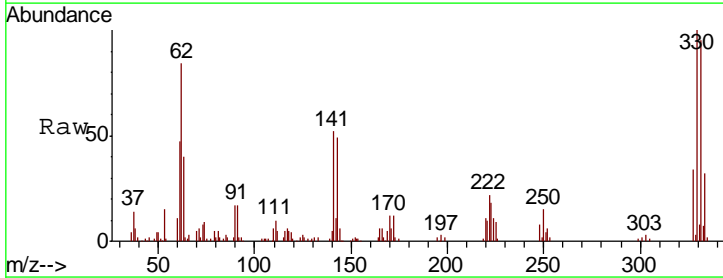
Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-13-V1-(0-24)

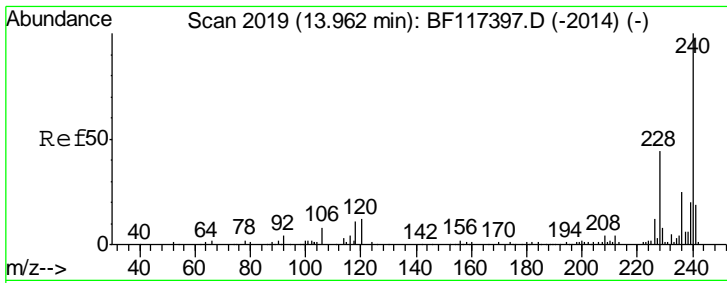
Tgt Ion	Resp	Lower	Upper
198	126		
51	0.0	25.9	65.9#
105	184.3	29.4	69.4#



#67  
 4-Bromophenyl-phenylether  
 Concen: 4.396 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.24 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Tgt Ion	Resp	Lower	Upper
248	7912		
250	200.9	77.1	115.7#
141	687.3	69.1	103.7#

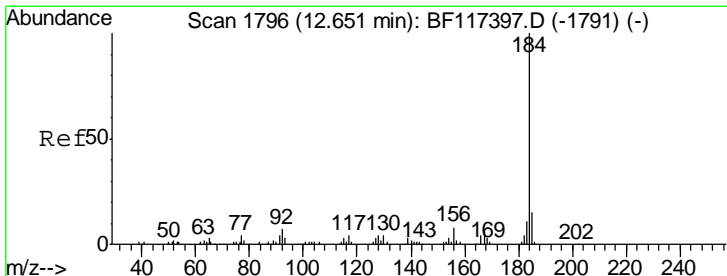
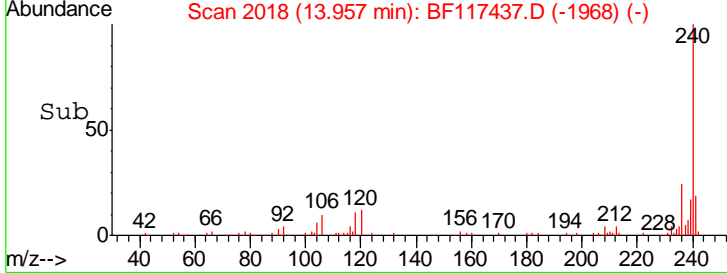
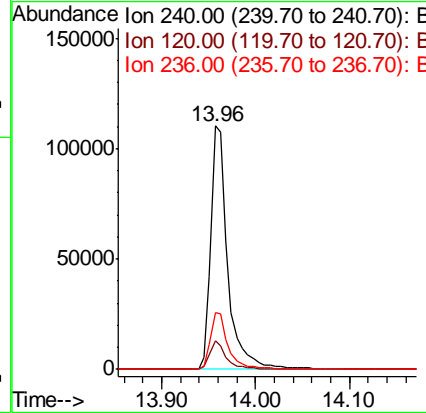
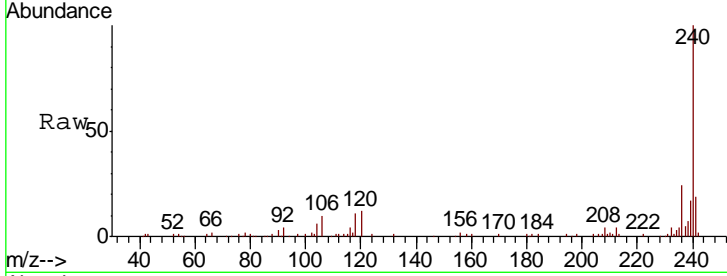




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.96 min Scan# 2018  
 Delta R.T. -0.01 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

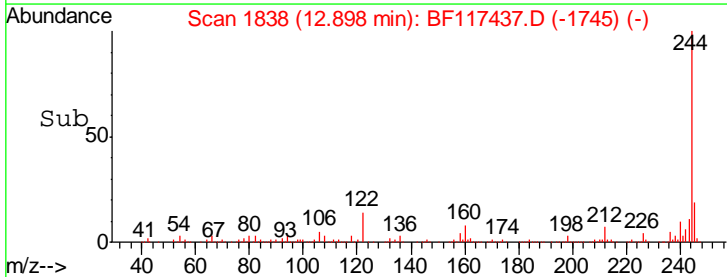
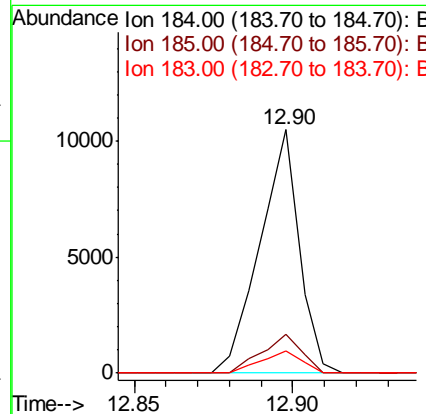
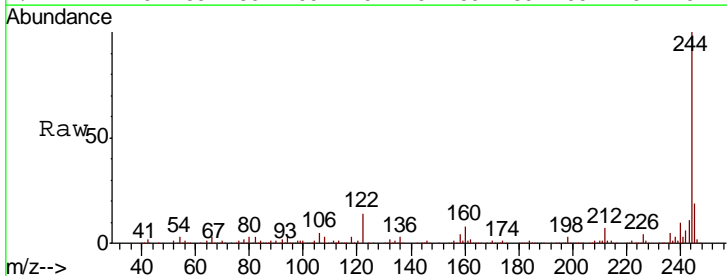
Instrument :  
 BNA\_F  
 ClientSampled :  
 T-13-V1-(0-24)

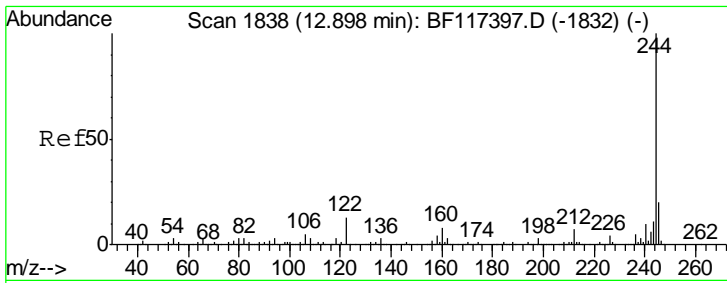
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.4	14.0
236	23.5	19.8	29.6



#77  
 Benzidine  
 Concen: 2.611 ng  
 RT: 12.90 min Scan# 1838  
 Delta R.T. 0.25 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.2	18.2
183	8.9	8.9	13.3

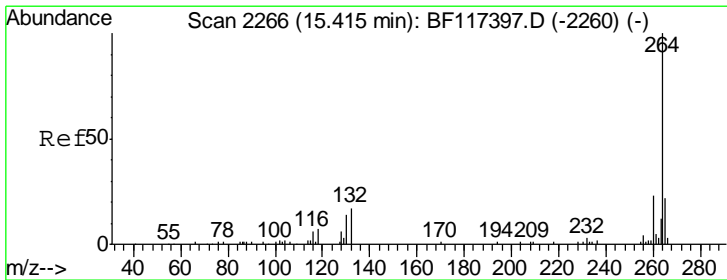
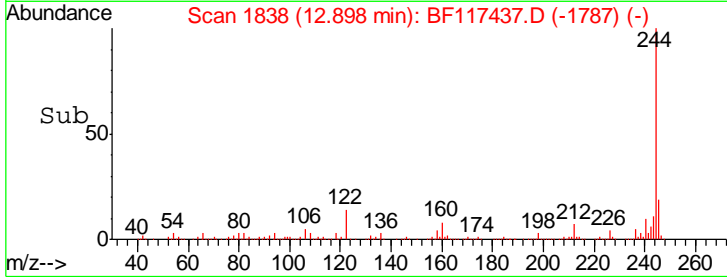
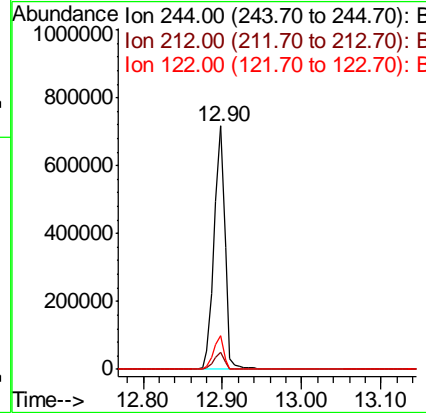
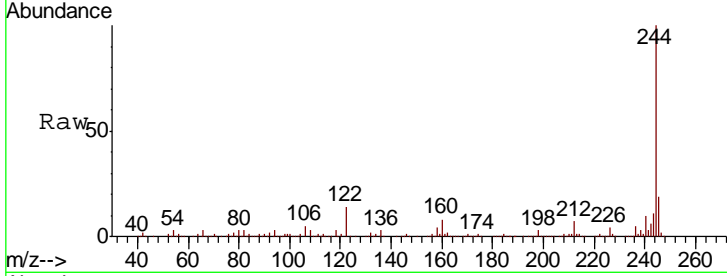




#79  
 Terphenyl-d14  
 Concen: 79.296 ng  
 RT: 12.90 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: BF117437.D  
 Acq: 17 Oct 2019 22:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-13-V1-(0-24)

Tgt Ion	Resp	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	13.9	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: BF117437.D  
 Acq: 17 Oct 2019 22:20

Tgt Ion	Resp	Lower	Upper
264	100		
260	21.5	18.6	27.8
265	20.3	17.4	26.0

