

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

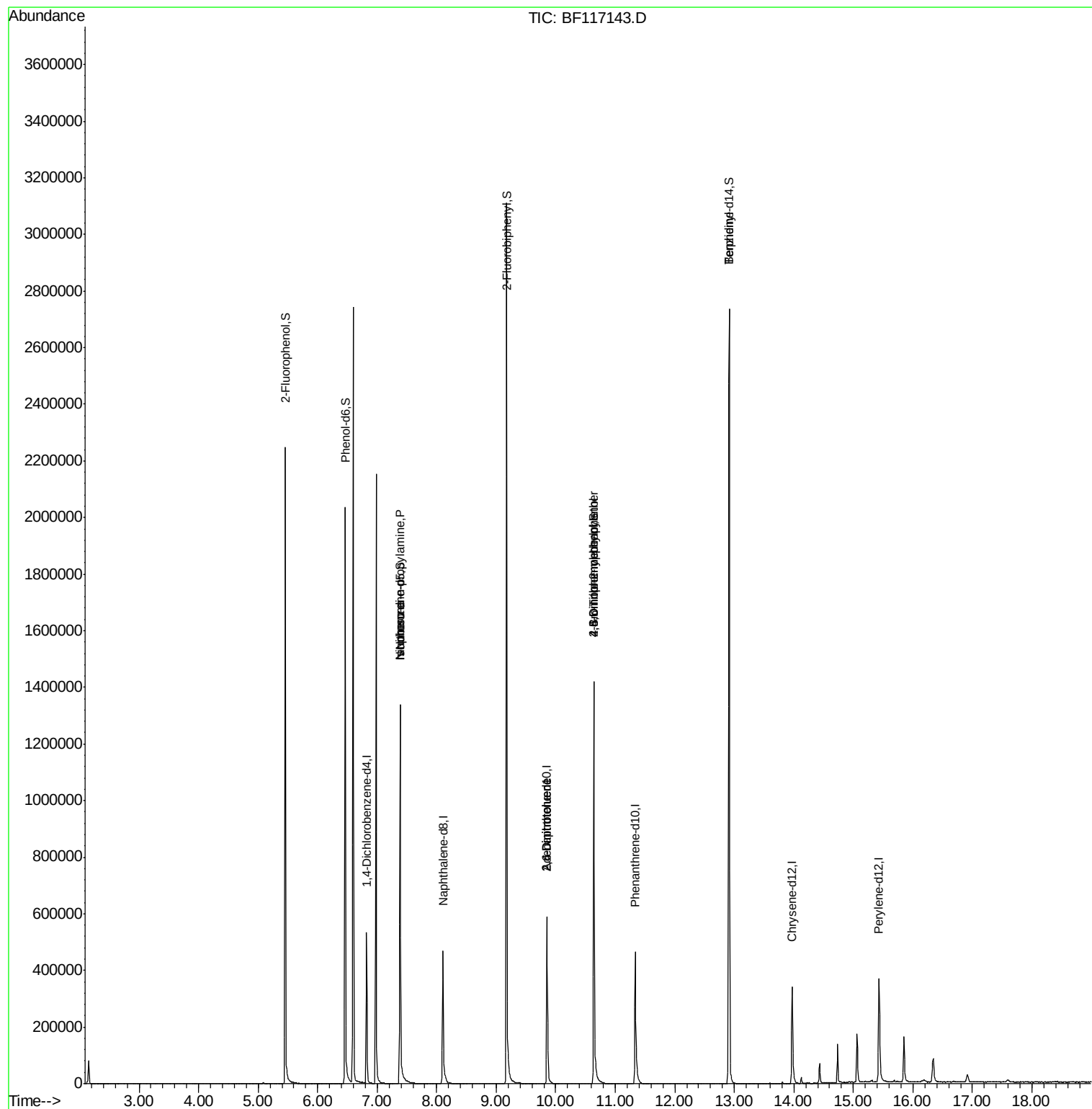
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	80414	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	317023	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	165963	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	272616	20.00	ng	0.00
76) Chrysene-d12	13.97	240	177563	20.00	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						
9) Benzaldehyde	6.46	77	1154	Below Cal	Qvalue	# 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

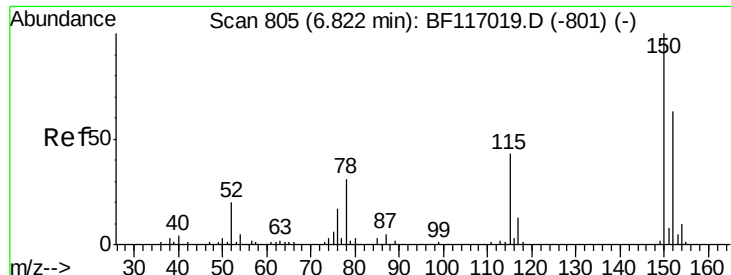
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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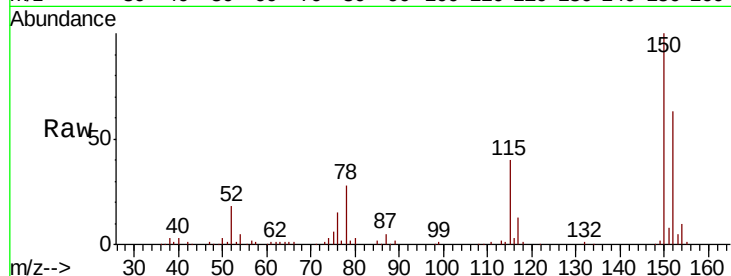


#1

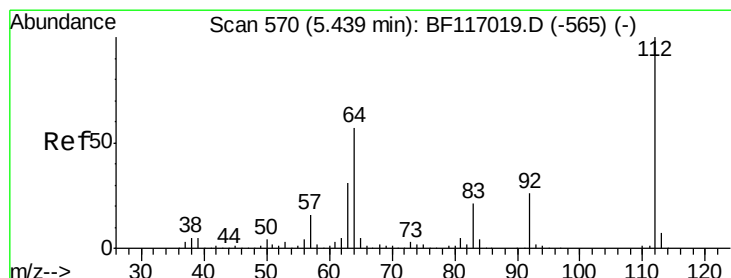
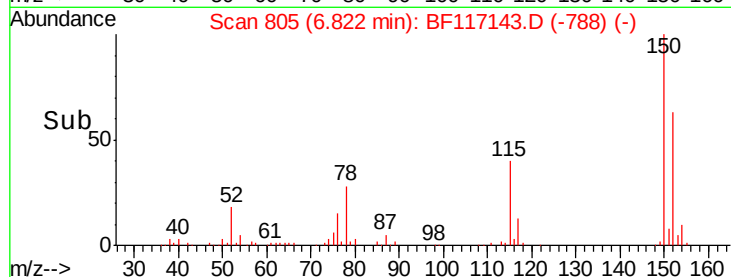
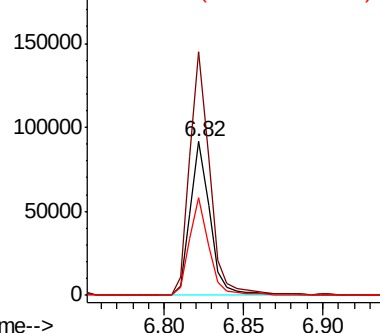
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80414
Ion Ratio Lower Upper
152 100
150 158.7 127.5 191.3
115 64.0 55.0 82.4



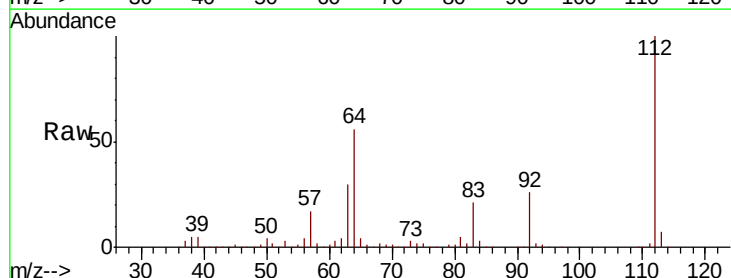
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



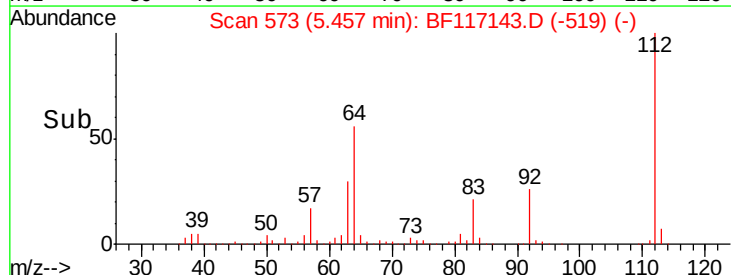
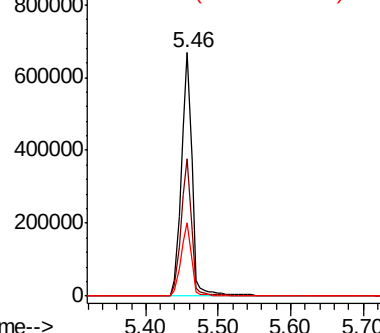
#5

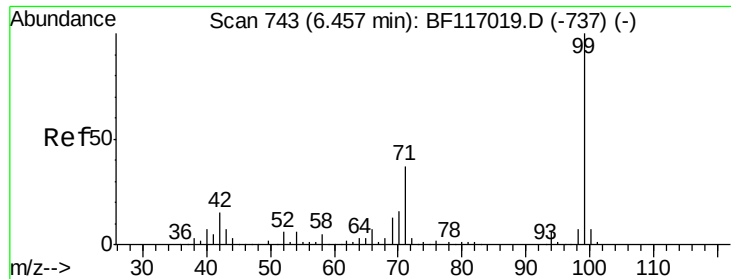
2-Fluorophenol
Concen: 132.784 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

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



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#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

ClientSampled :

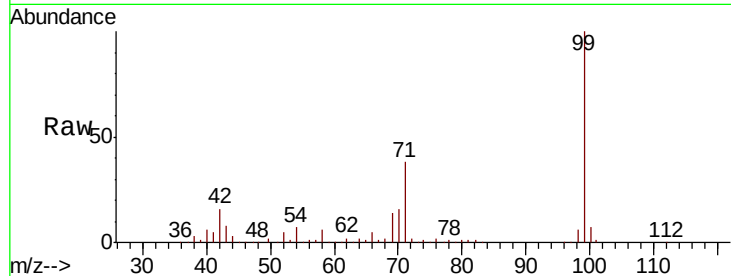
Tot Ion: 99 Resp: 917369

Ion Ratio Lower Upper

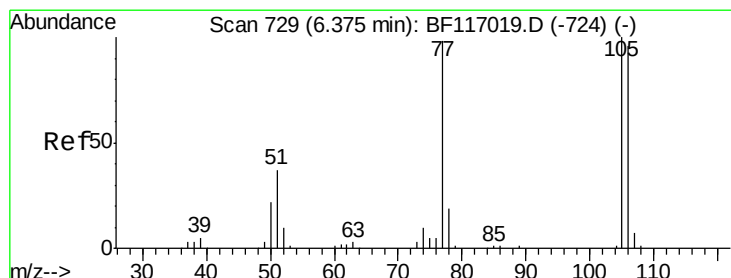
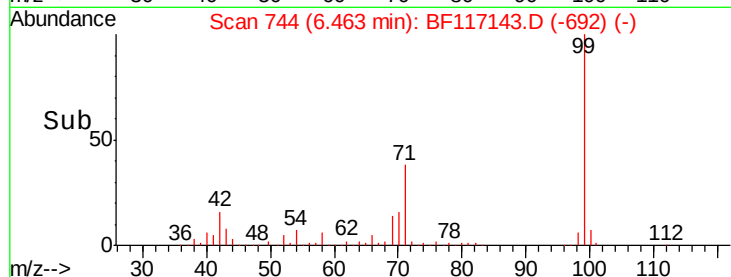
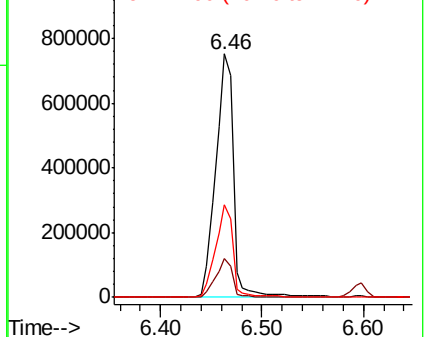
99 100

42 15.8 12.2 18.2

71 38.1 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#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

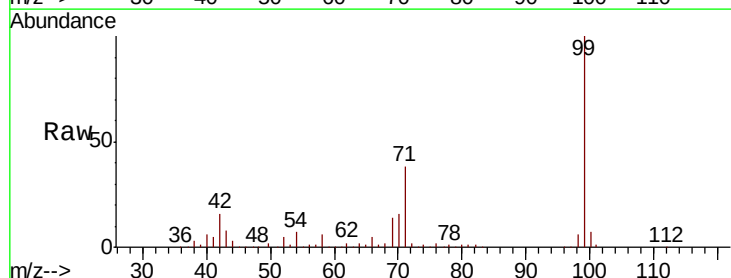
Tgt Ion: 77 Resp: 1154

Ion Ratio Lower Upper

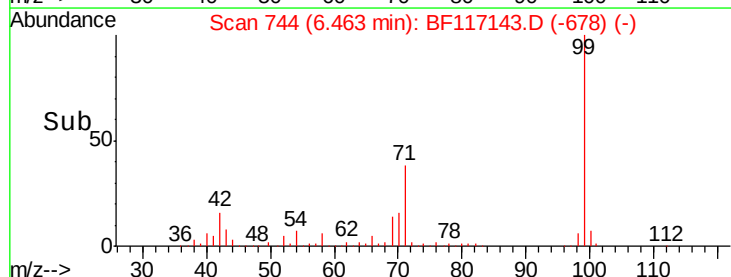
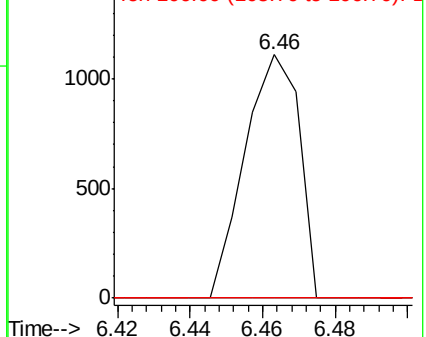
77 100

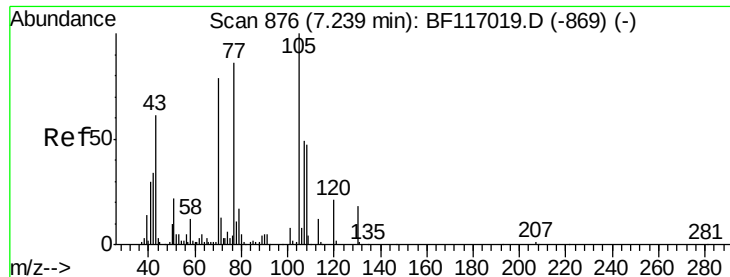
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#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 :

Tot Ion: 70 Resp: 75867

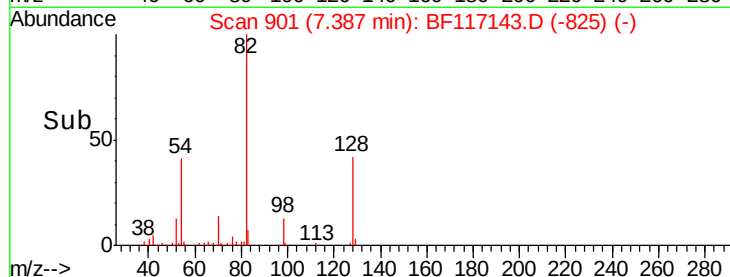
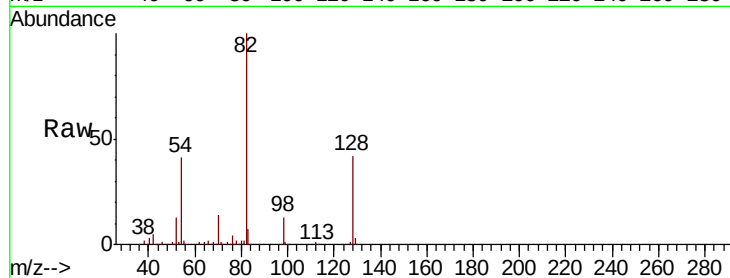
Ion Ratio Lower Upper

70 100

42 33.7 34.0 51.0#

101 0.0 7.8 11.6#

130 2.5 17.8 26.8#

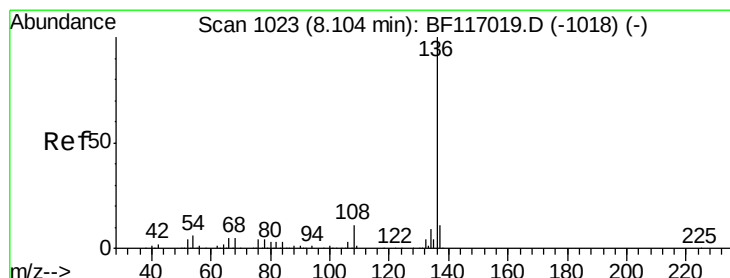
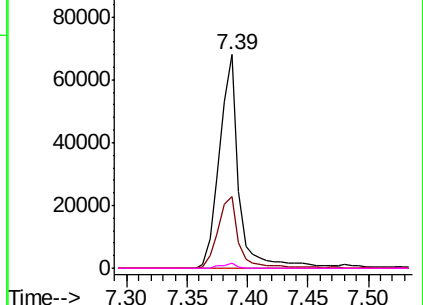


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#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

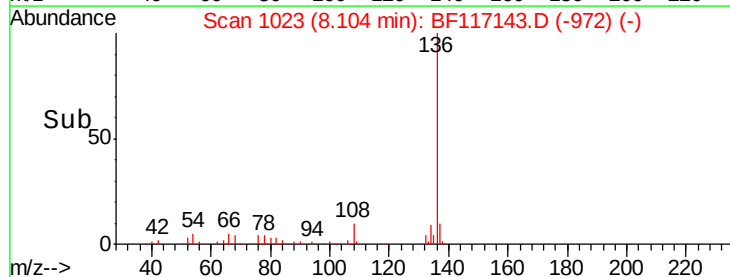
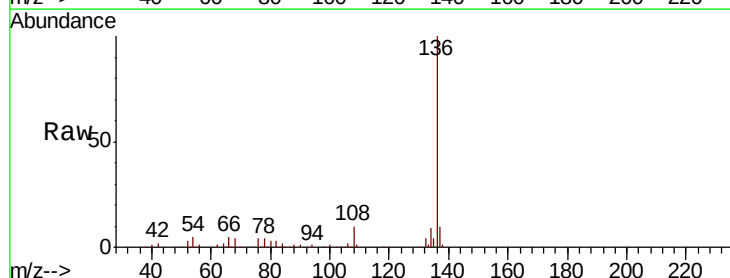
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 4.9 4.5 6.7

68 4.4 4.0 6.0

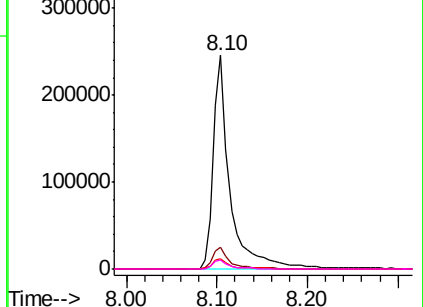


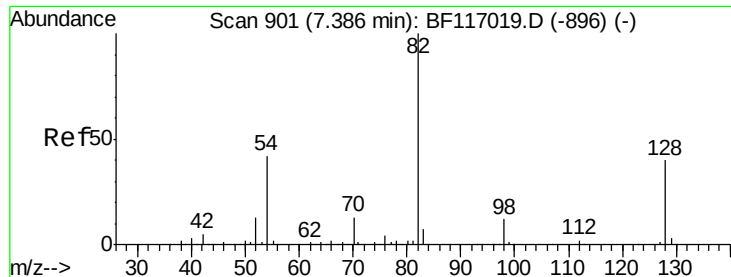
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

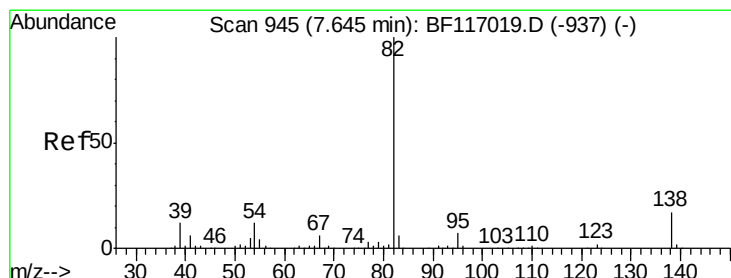
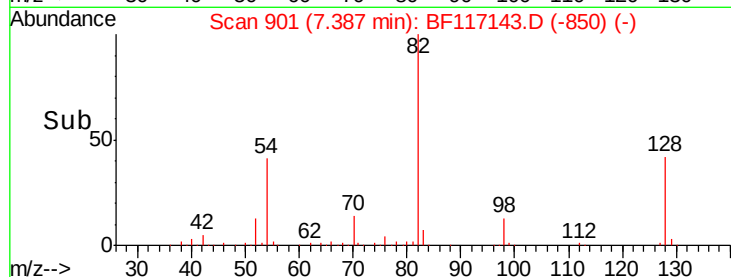
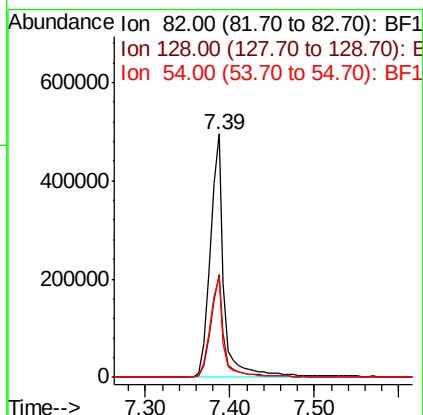
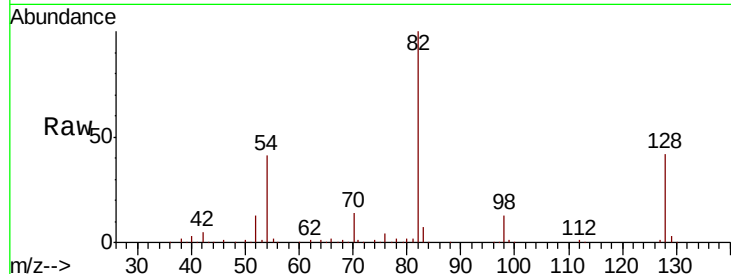




#23
 Nitrobenzene-d5
 Concen: 95.447 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117143.D
 Acq: 18 Sep 2019 12:54

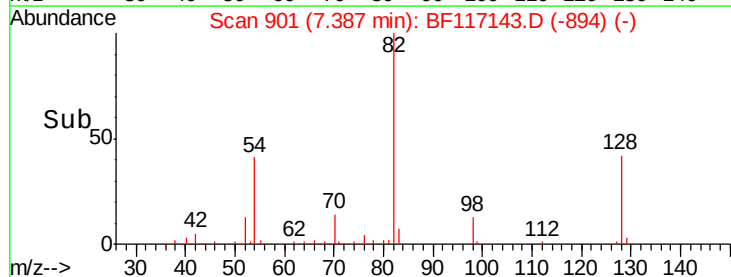
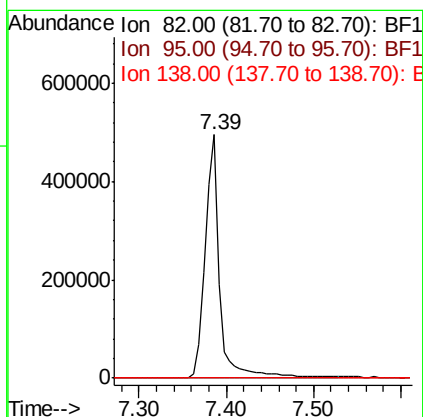
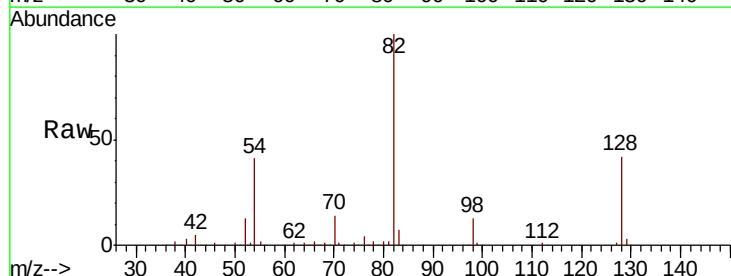
Instrument :
 BNA_F
 ClientSampleId :

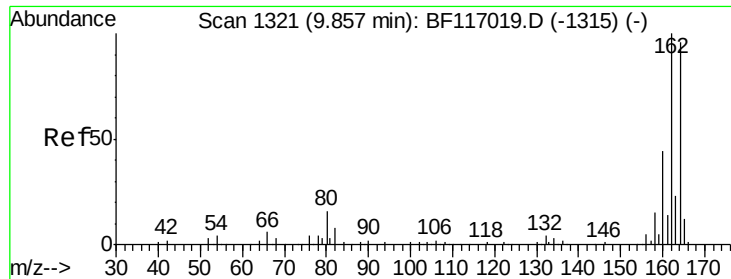
Tot Ion	82	Resp	575895
Ion Ratio	Lower	Upper	
82	100		
128	42.2	32.3	48.5
54	40.9	33.3	49.9



#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#

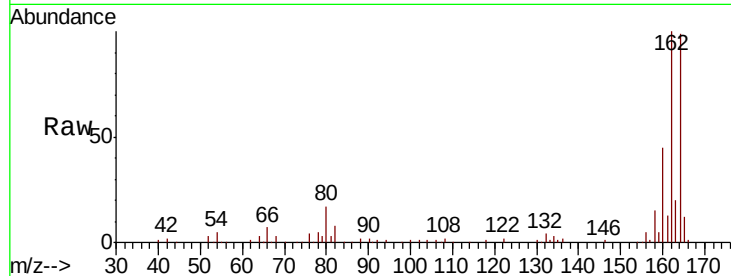




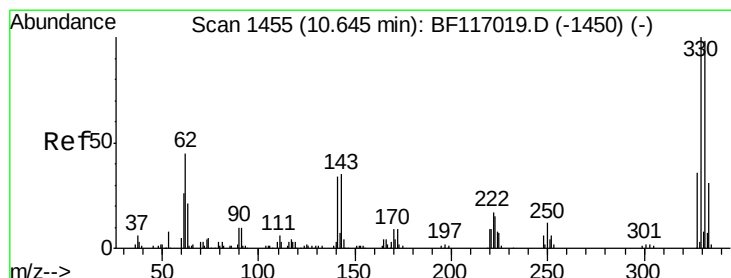
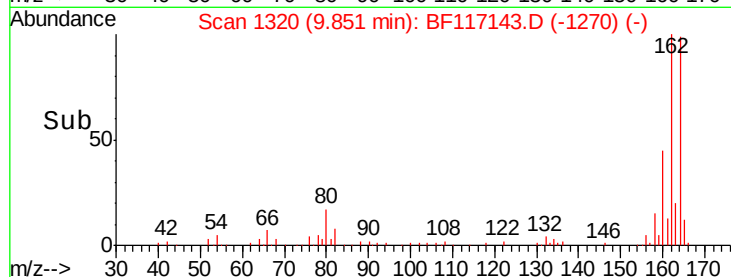
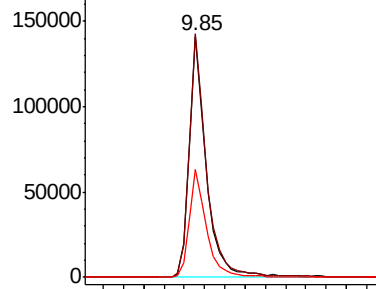
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 165963
Ion Ratio Lower Upper
164 100
162 100.9 83.4 125.2
160 44.9 36.4 54.6

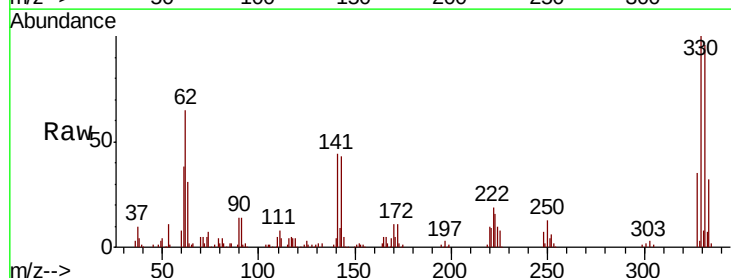


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

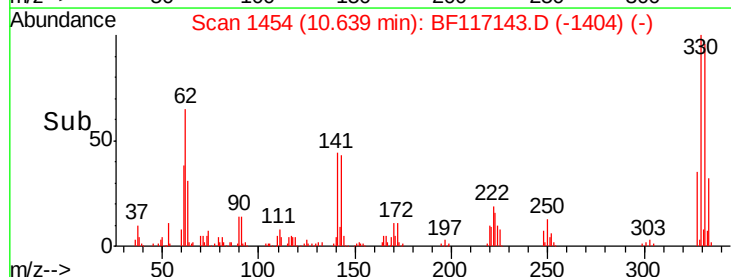
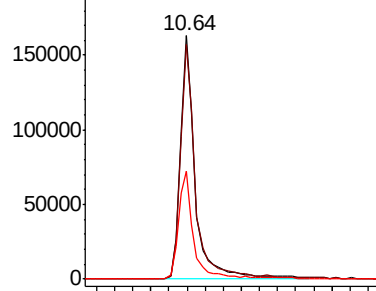


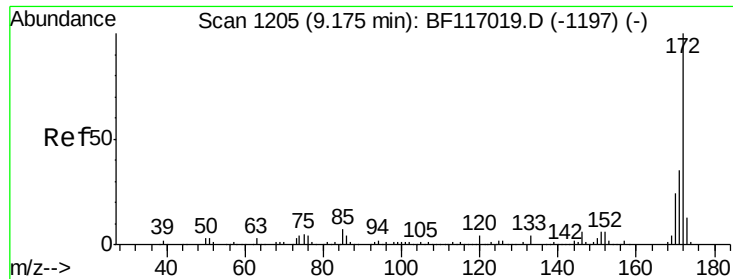
#42
2,4,6-Tribromophenol
Concen: 136.962 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

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



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

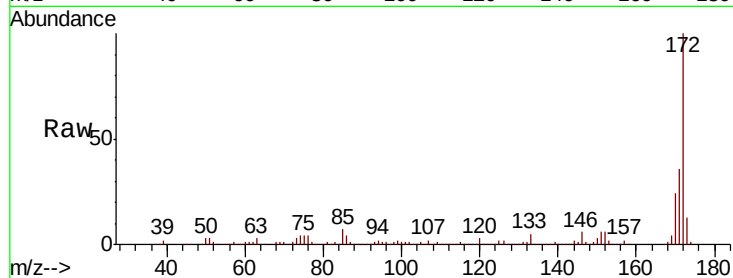




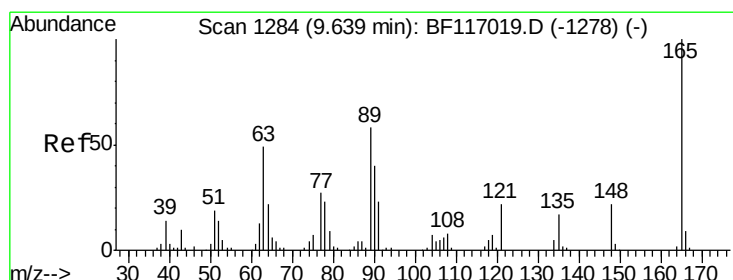
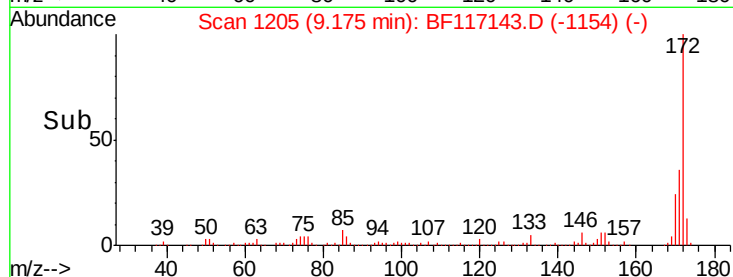
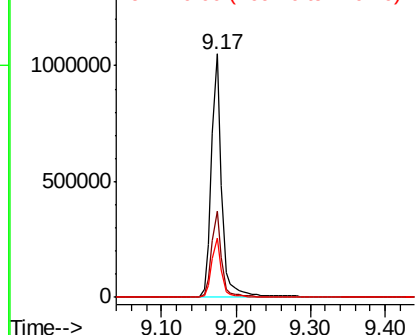
#45
 2-Fluorobiphenyl
 Concen: 96.664 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117143.D
 Acq: 18 Sep 2019 12:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1026022
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.2 42.2
 170 24.1 18.9 28.3

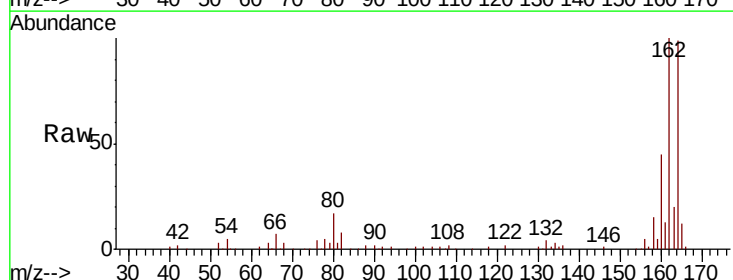


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

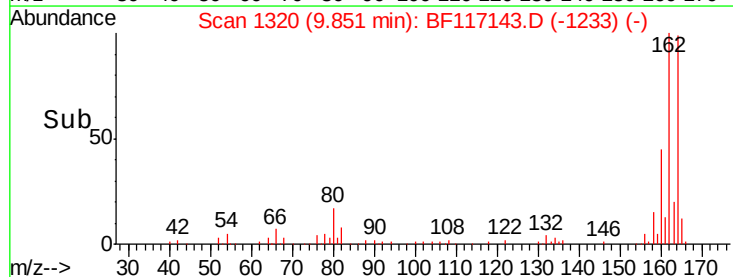
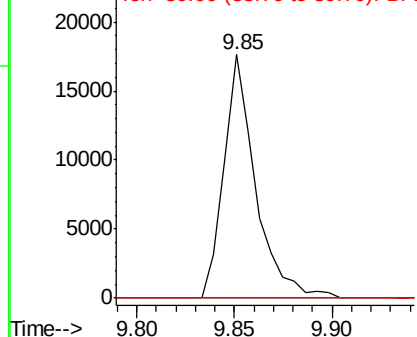


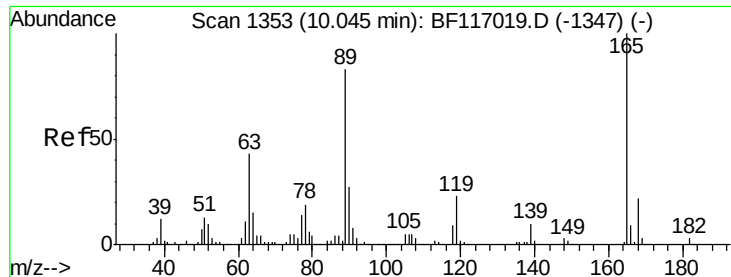
#51
 2,6-Dinitrotoluene
 Concen: 8.278 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117143.D
 Acq: 18 Sep 2019 12:54

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#



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

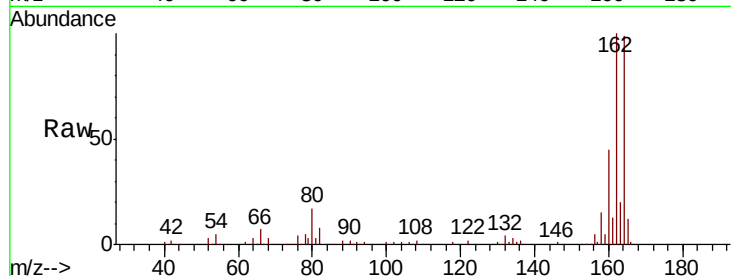




#57
 2,4-Dinitrotoluene
 Concen: 6.377 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117143.D
 Acq: 18 Sep 2019 12:54

Instrument :
 BNA_F
 ClientSampled :

Tot 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#



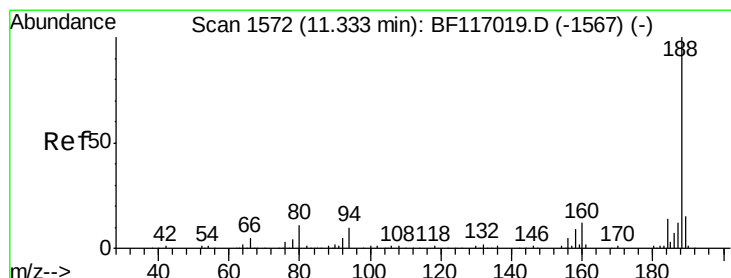
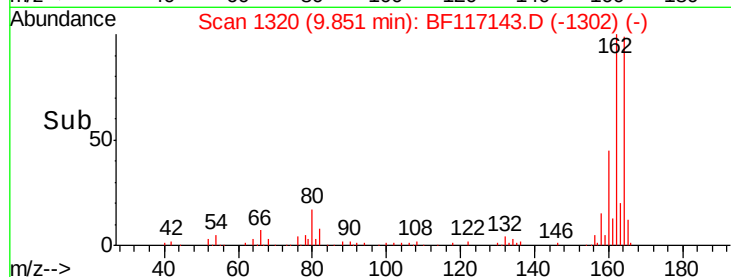
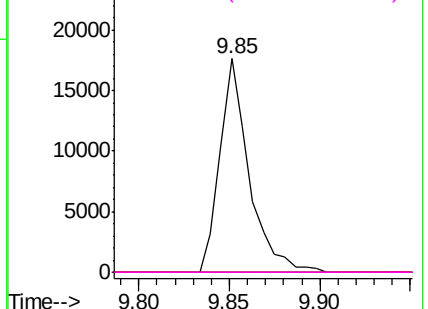
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

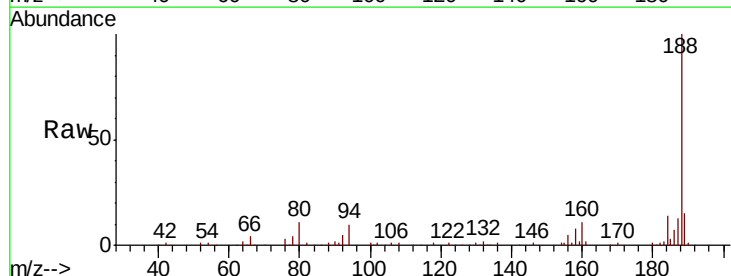
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



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

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

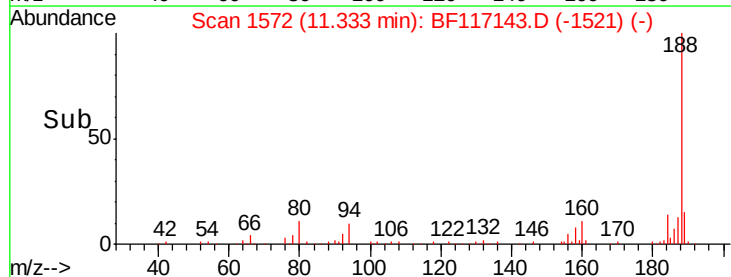
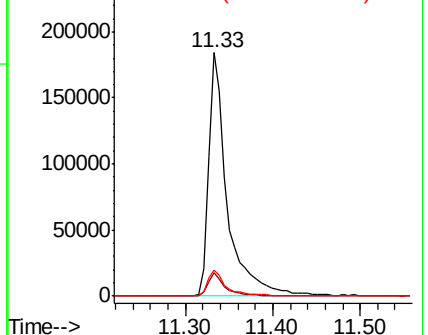


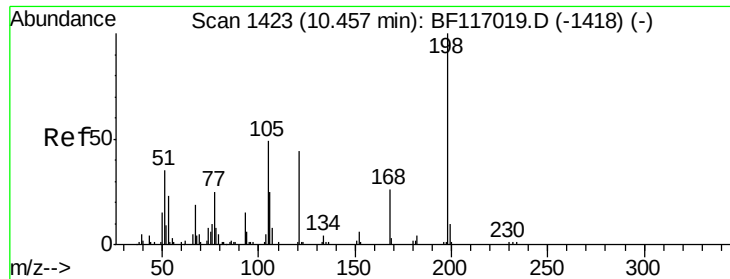
Abundance

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

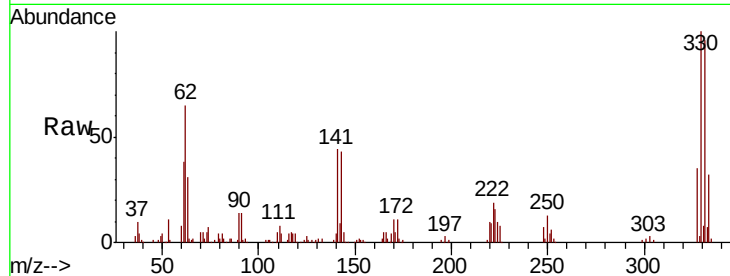




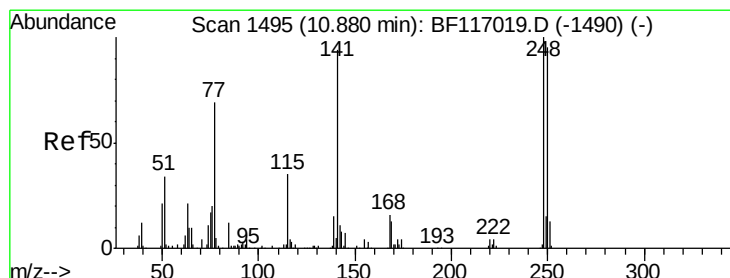
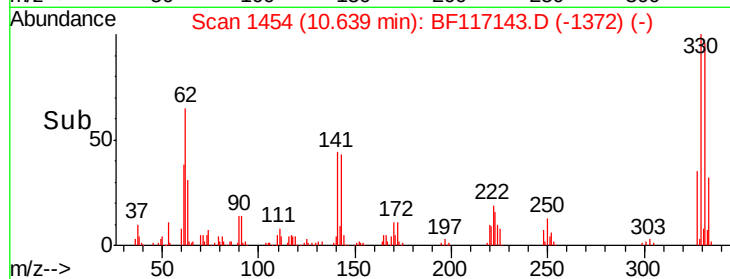
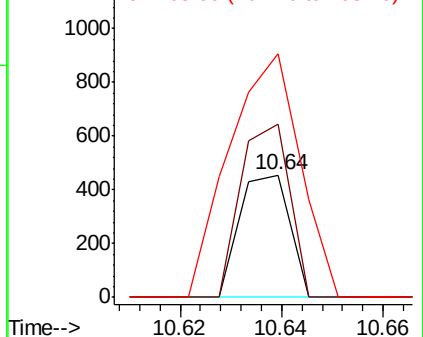
#65
4,6-Dinitro-2-methylphenol
Concen: 7.117 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 312
Ion Ratio Lower Upper
198 100
51 141.7 18.7 58.7#
105 198.7 30.2 70.2#

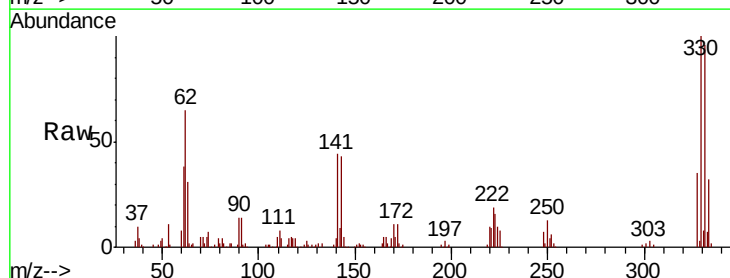


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

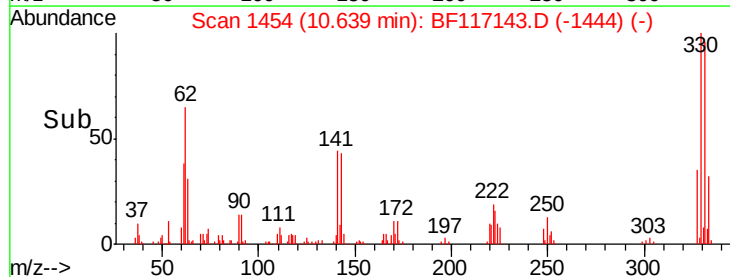
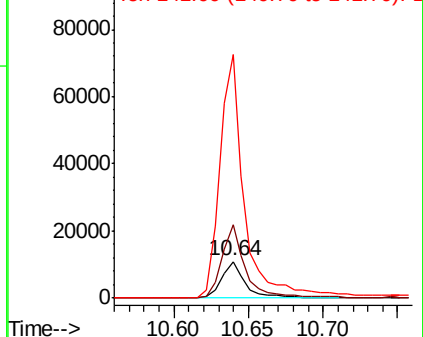


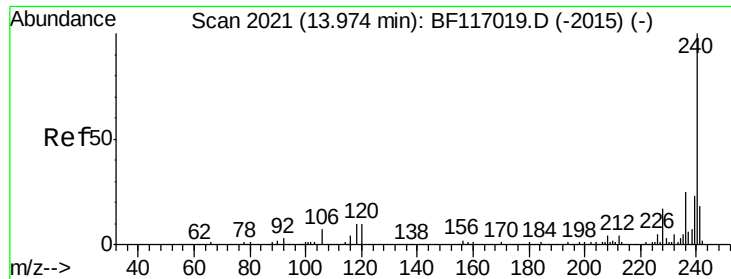
#67
4-Bromophenyl-phenylether
Concen: 4.363 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117143.D
Acq: 18 Sep 2019 12:54

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#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

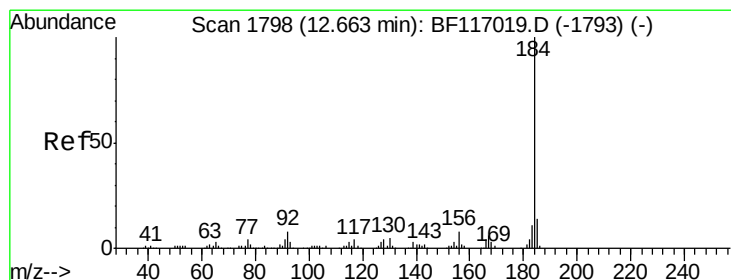
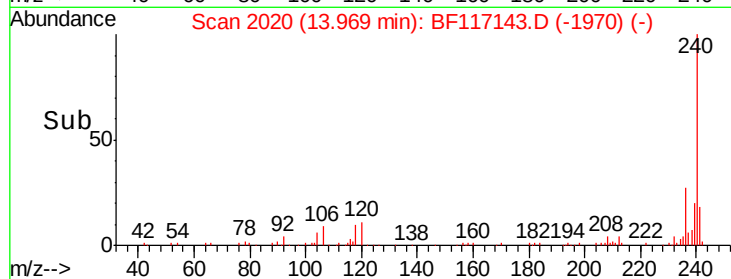
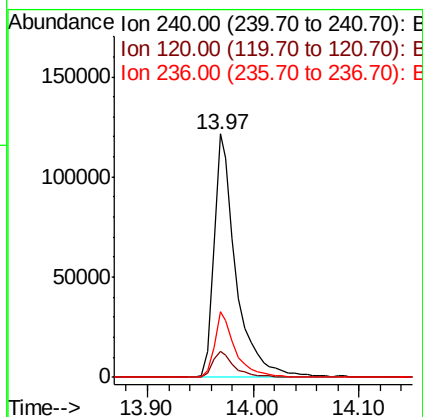
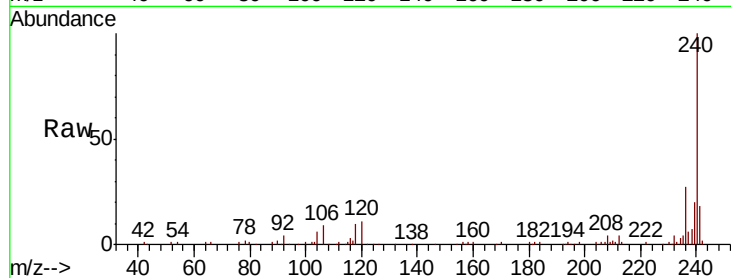




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117143.D
 Acq: 18 Sep 2019 12:54

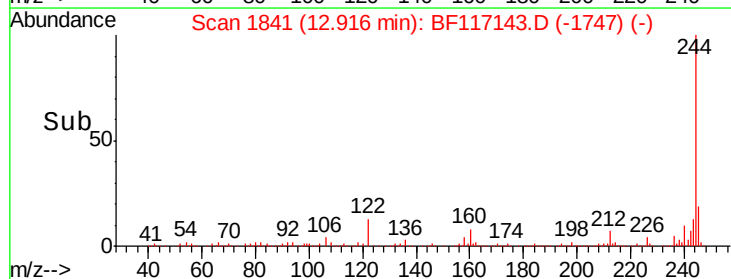
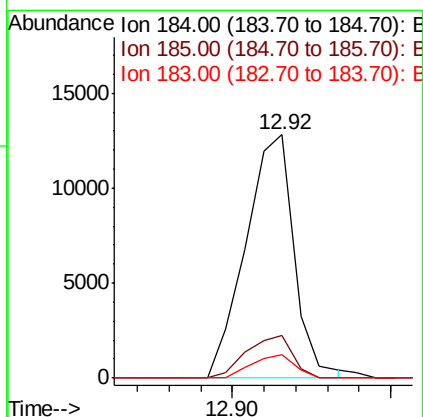
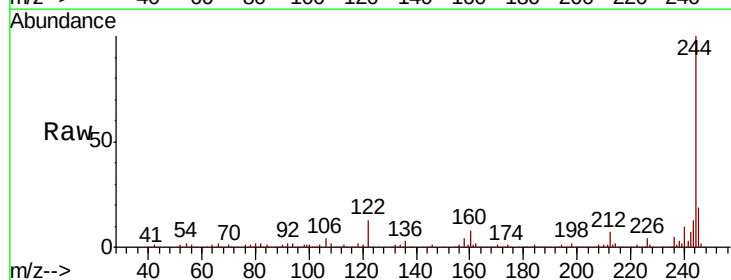
Instrument :
 BNA_F
 ClientSampleId :

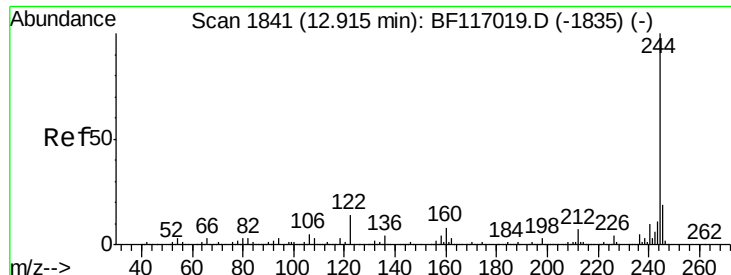
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.3	12.5
236	26.8	20.3	30.5



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

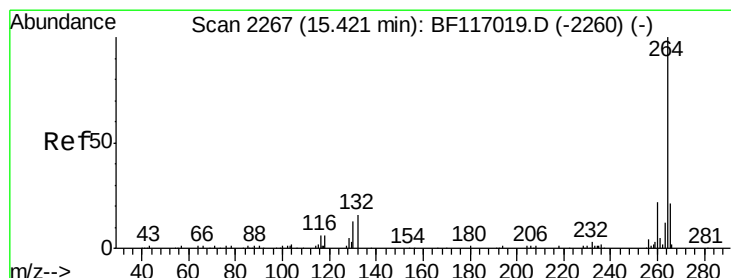
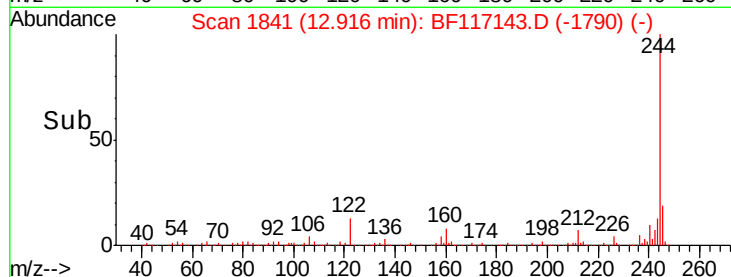
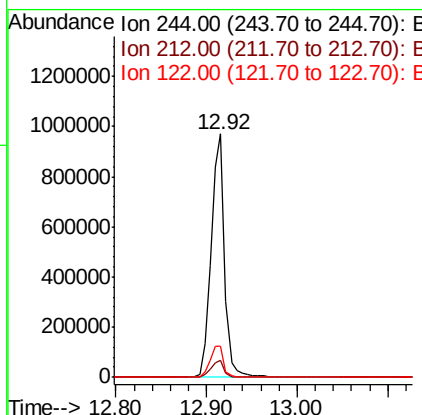
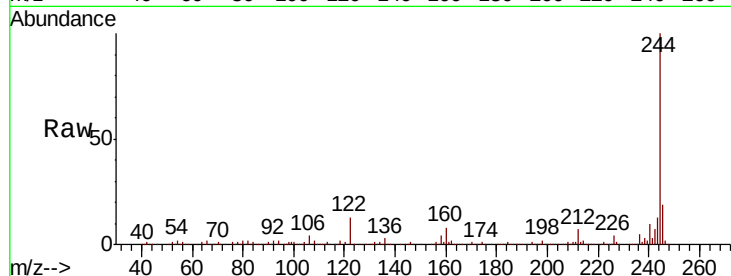




#79
 Terphenyl-d14
 Concen: 106.317 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117143.D
 Acq: 18 Sep 2019 12:54

Instrument :
 BNA_F
 ClientSampleId :

Tot 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

