

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117105.D
 Acq On : 17 Sep 2019 14:37
 Operator : HP/JU
 Sample : K4883-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-20190911

Quant Time: Sep 18 03:49:50 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

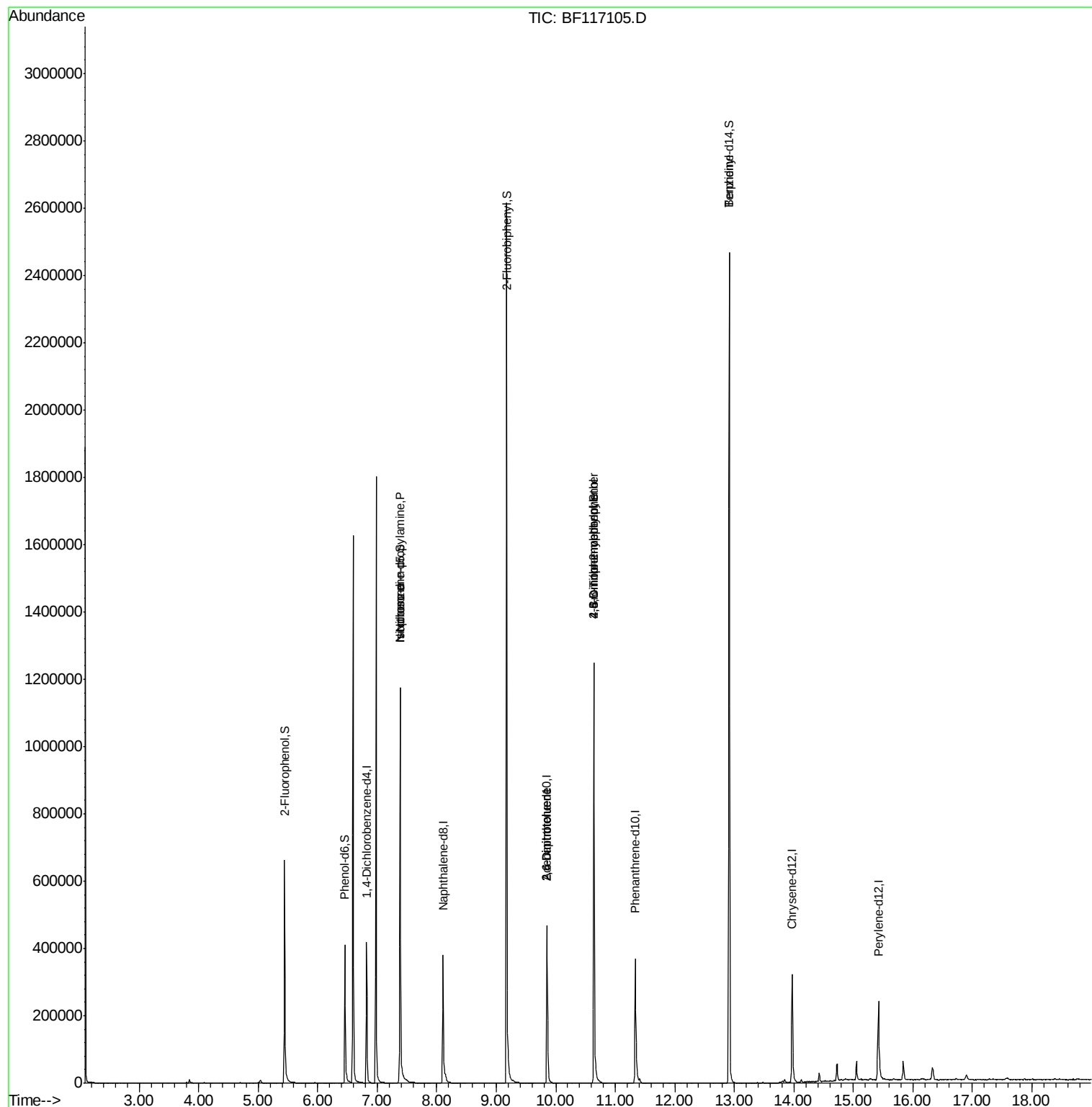
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	62741	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	244537	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	127969	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	218446	20.00	ng	0.00
76) Chrysene-d12	13.97	240	156185	20.00	ng	0.00
87) Perylene-d12	15.42	264	127775	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	217073	54.02	ng	0.00
7) Phenol-d6	6.46	99	180541	34.76	ng	0.00
23) Nitrobenzene-d5	7.39	82	472020	101.42	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	162219	151.67	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	848345	103.65	ng	0.00
79) Terphenyl-d14	12.92	244	807303	96.62	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	11440	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	61039	19.301 ng	#	74
25) Isophorone	7.39	82	472017	57.281 ng	#	66
51) 2,6-Dinitrotoluene	9.85	165	17018	9.222 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	17018	7.104 ng	#	18
65) 4,6-Dinitro-2-methylphenol	10.64	198	169	7.048 ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	10062	4.510 ng	#	1
77) Benzidine	12.92	184	11470	2.280 ng	#	93

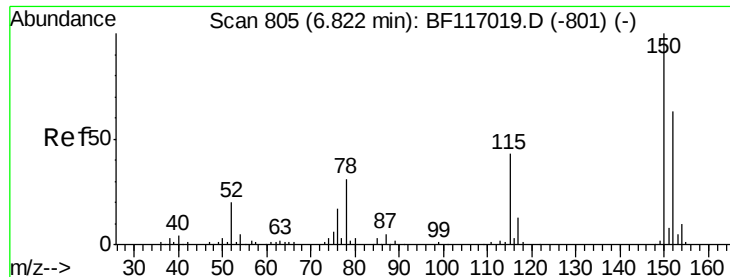
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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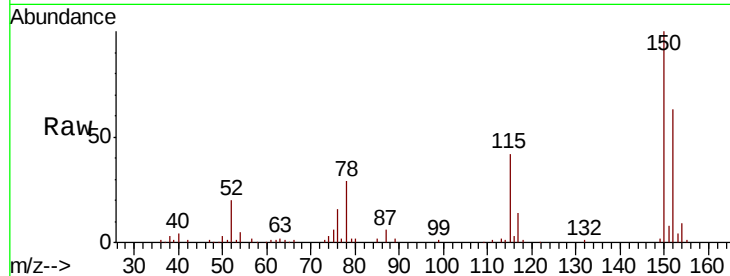


#1

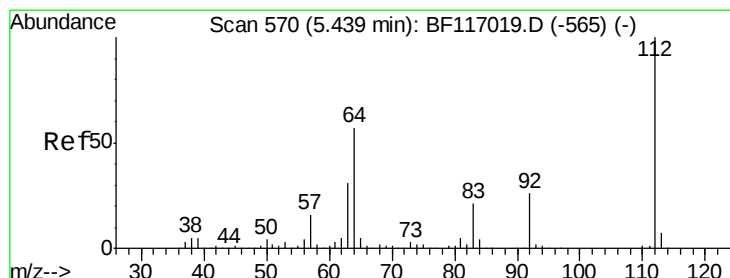
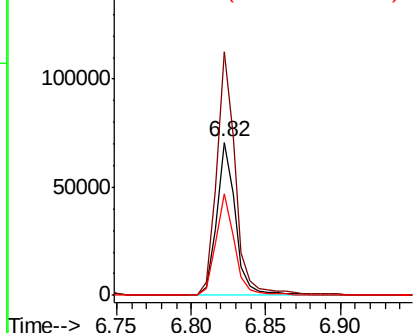
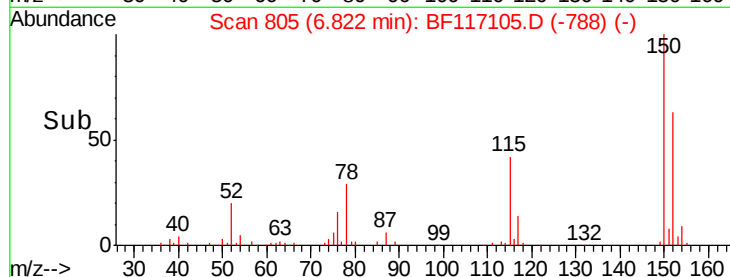
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117105.D
Acq: 17 Sep 2019 14:37

Instrument :
BNA_F
ClientSampleId :
FB-20190911

Tot Ion:152 Resp: 62741
Ion Ratio Lower Upper
152 100
150 158.8 127.5 191.3
115 66.0 55.0 82.4



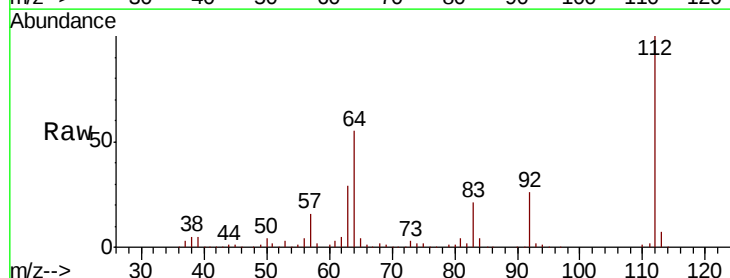
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



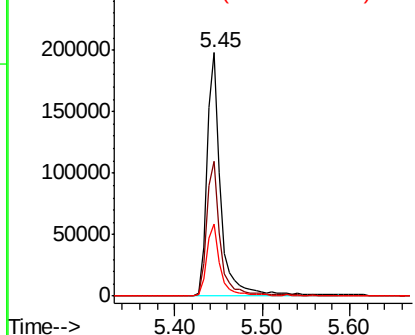
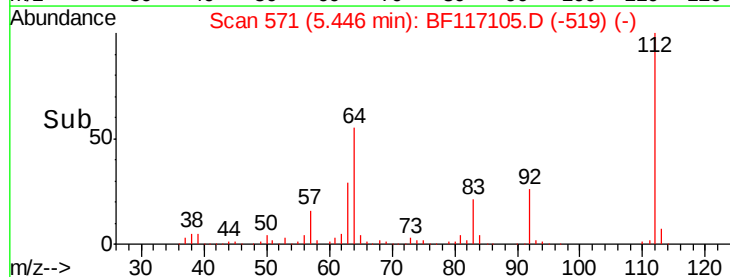
#5

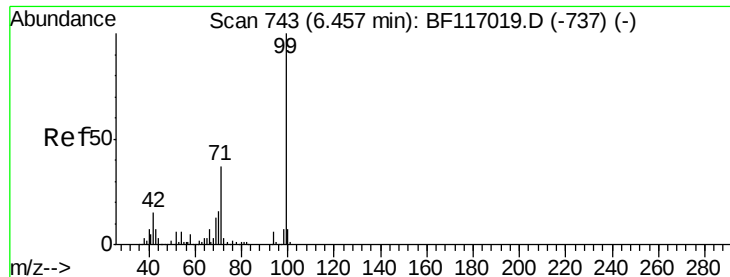
2-Fluorophenol
Concen: 54.016 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117105.D
Acq: 17 Sep 2019 14:37

Tgt Ion:112 Resp: 217073
Ion Ratio Lower Upper
112 100
64 55.2 45.7 68.5
63 29.4 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: 34.763 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117105.D

Acq: 17 Sep 2019 14:37

Instrument :

BNA_F

ClientSampleId :

FB-20190911

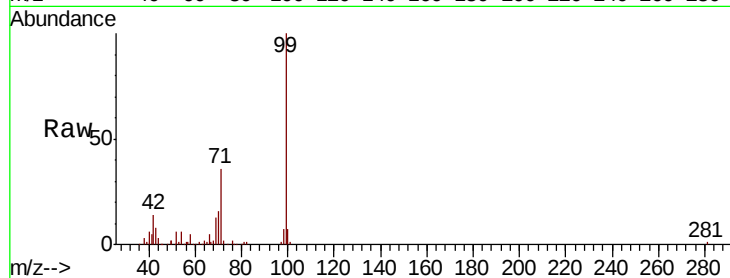
Tot Ion: 99 Resp: 180541

Ion Ratio Lower Upper

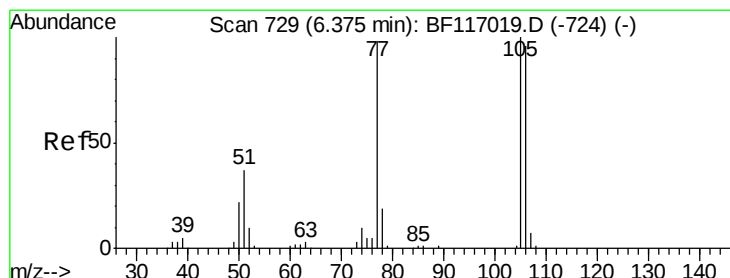
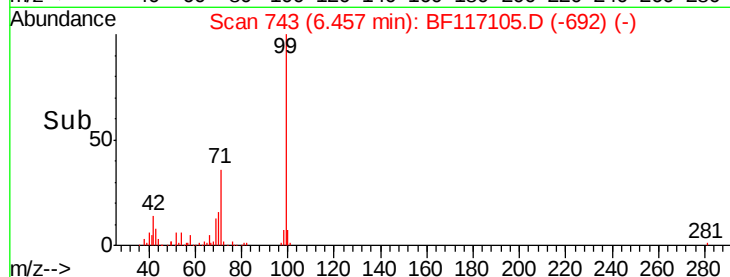
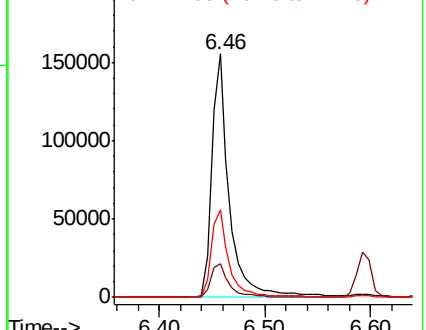
99 100

42 14.0 12.2 18.2

71 36.0 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: 6.59 min Scan# 766

Delta R.T. 0.22 min

Lab File: BF117105.D

Acq: 17 Sep 2019 14:37

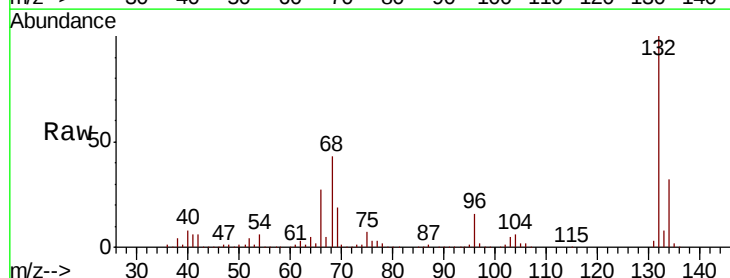
Tgt Ion: 77 Resp: 11440

Ion Ratio Lower Upper

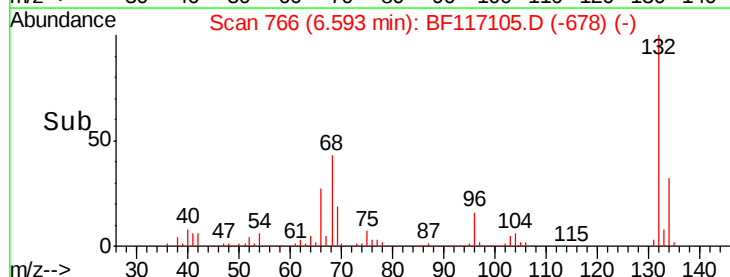
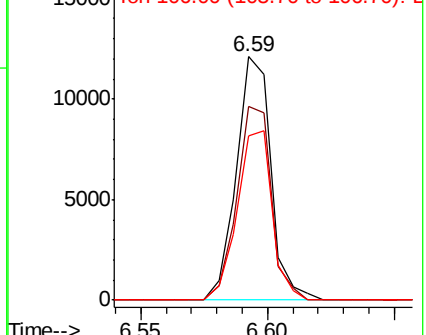
77 100

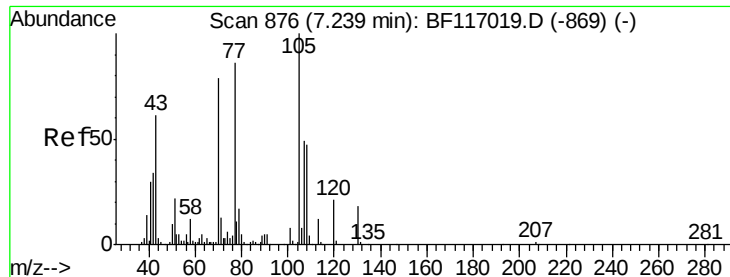
105 79.7 81.8 121.8#

106 67.3 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

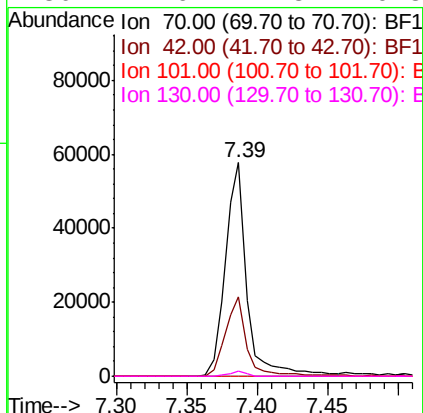
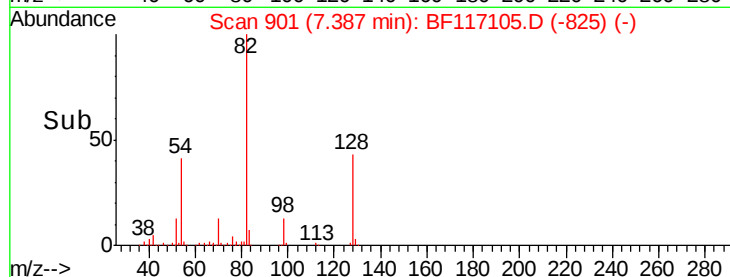
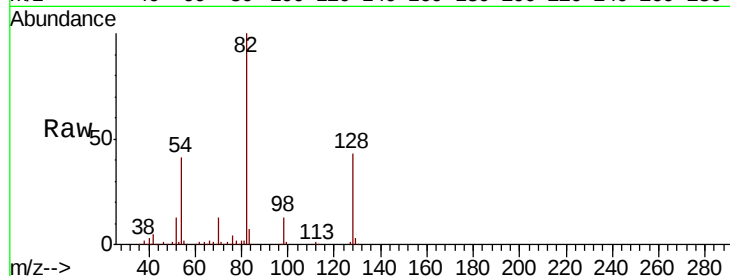




#19
n-Nitroso-di-n-propylamine
Concen: 19.301 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117105.D
Acq: 17 Sep 2019 14:37

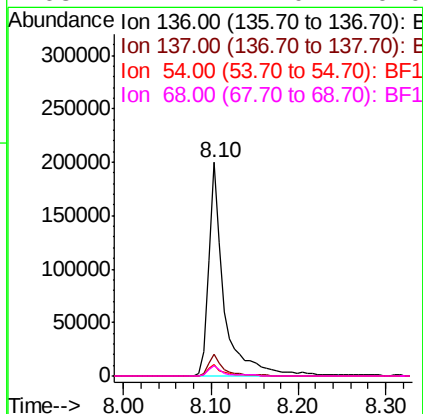
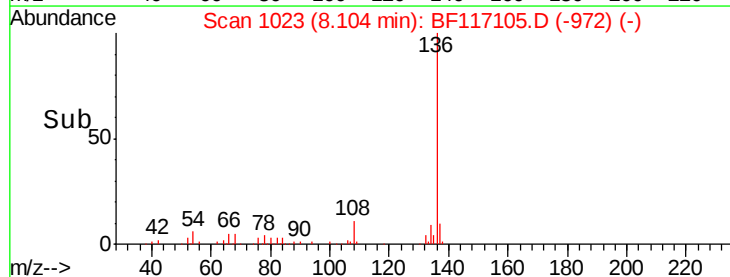
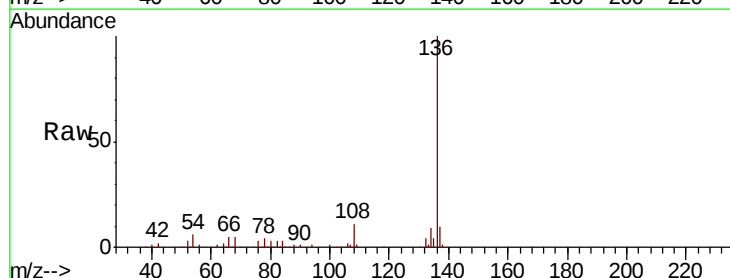
Instrument :
BNA_F
ClientSampleId :
FB-20190911

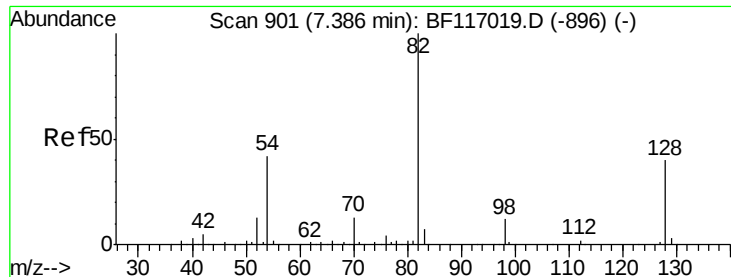
Tot Ion: 70 Resp: 61039
Ion Ratio Lower Upper
70 100
42 37.4 34.0 51.0
101 0.0 7.8 11.6#
130 2.6 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117105.D
Acq: 17 Sep 2019 14:37

Tgt Ion: 136 Resp: 244537
Ion Ratio Lower Upper
136 100
137 10.1 9.0 13.4
54 5.7 4.5 6.7
68 4.7 4.0 6.0

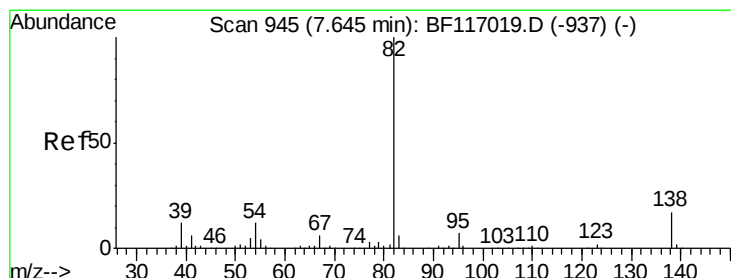
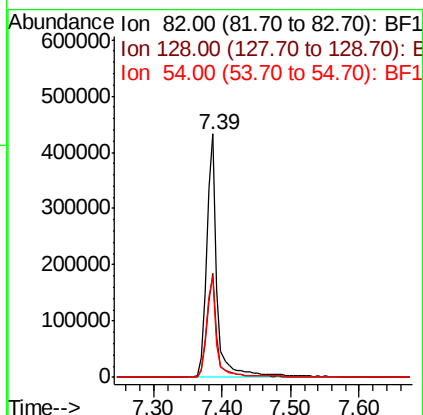
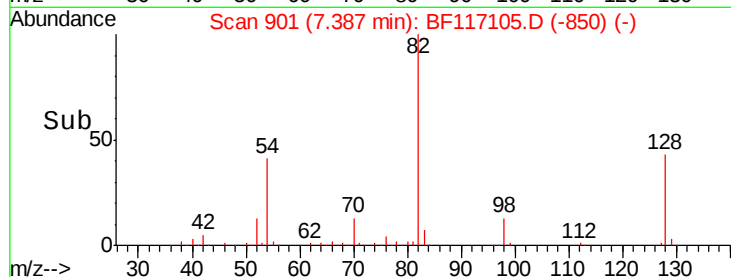
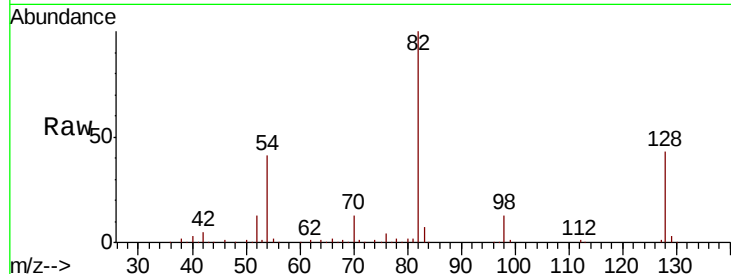




#23
 Nitrobenzene-d5
 Concen: 101.421 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117105.D
 Acq: 17 Sep 2019 14:37

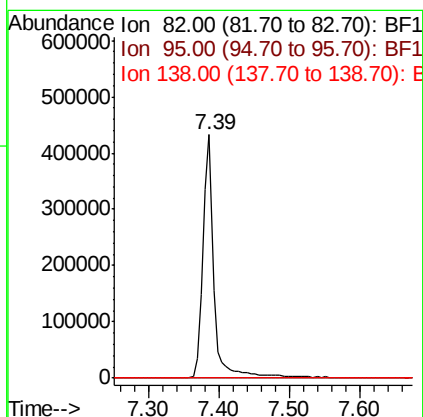
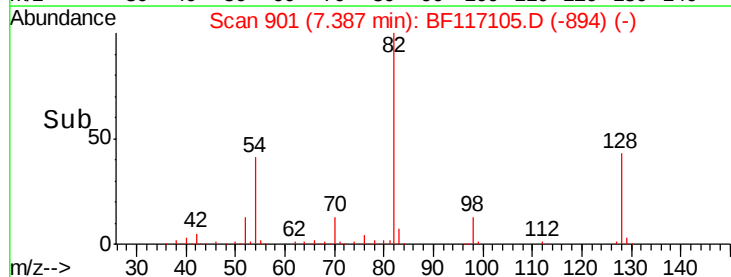
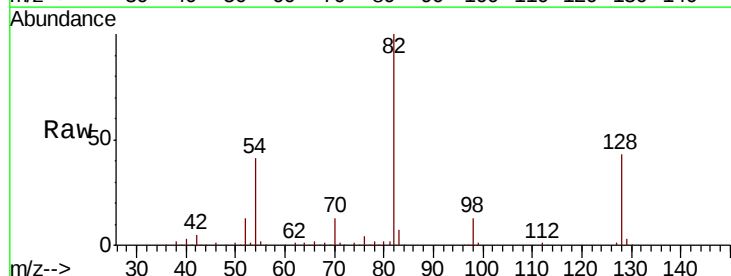
Instrument :
 BNA_F
 ClientSampleId :
 FB-20190911

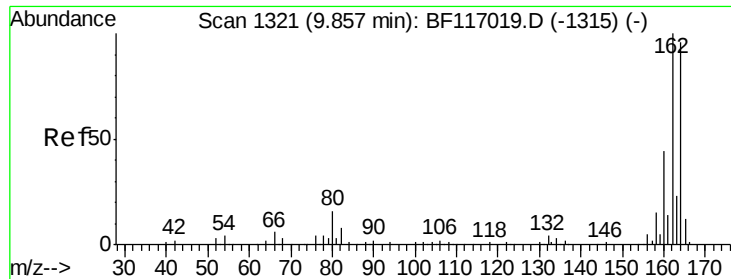
Tot Ion	82	Resp	472020
Ion Ratio	Lower	Upper	
82	100		
128	42.8	32.3	48.5
54	41.3	33.3	49.9



#25
 Isophorone
 Concen: 57.281 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117105.D
 Acq: 17 Sep 2019 14:37

Tgt Ion	82	Resp	472017
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: BF117105.D

Acq: 17 Sep 2019 14:37

Instrument :

BNA_F

ClientSampleId :

FB-20190911

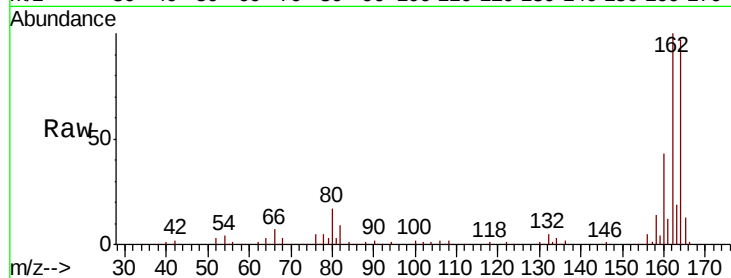
Tot Ion:164 Resp: 127969

Ion Ratio Lower Upper

164 100

162 102.8 83.4 125.2

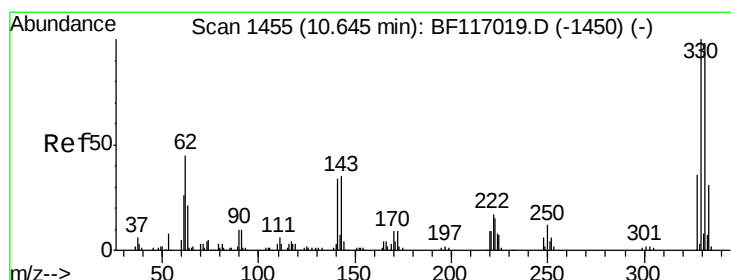
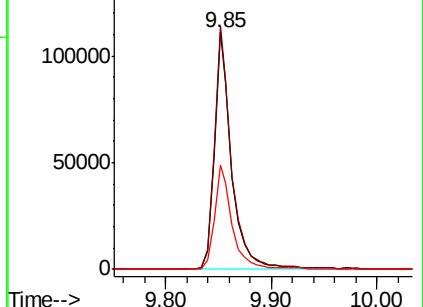
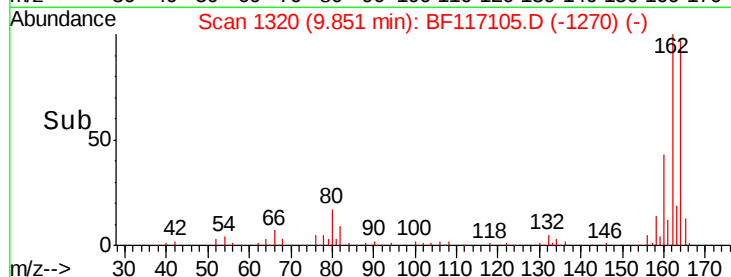
160 44.1 36.4 54.6



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: 151.673 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117105.D

Acq: 17 Sep 2019 14:37

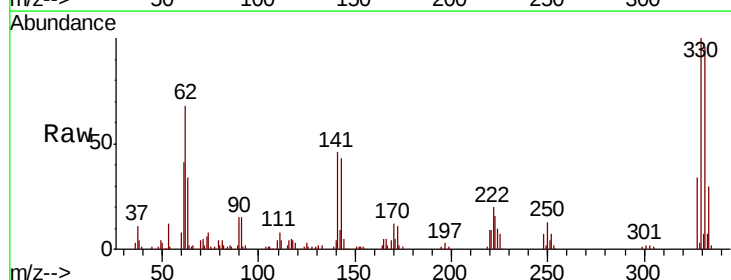
Tgt Ion:330 Resp: 162219

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

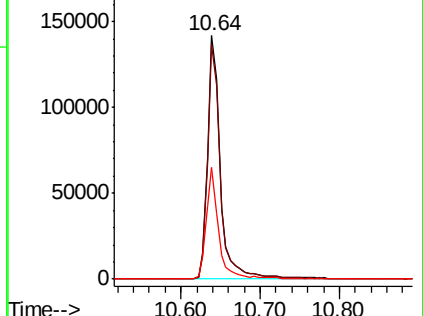
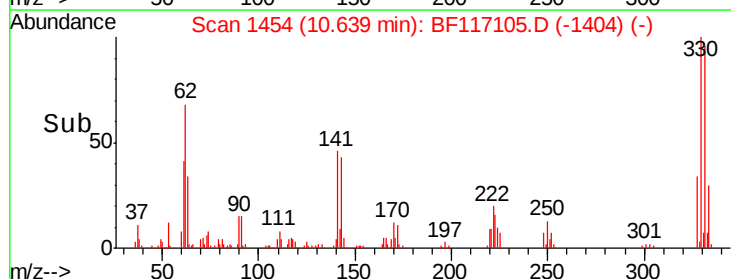
141 44.0 35.8 53.6



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

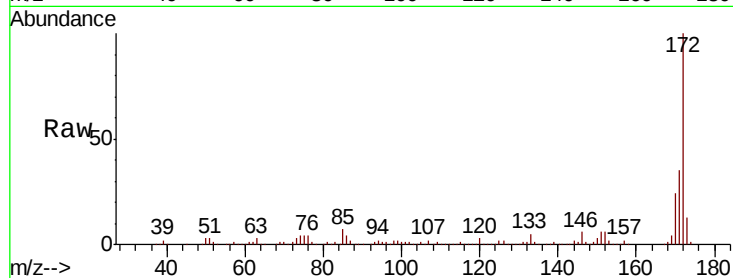




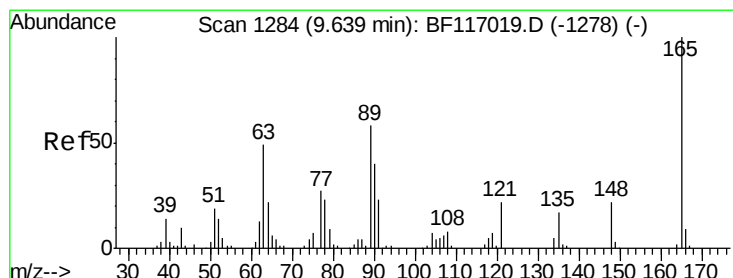
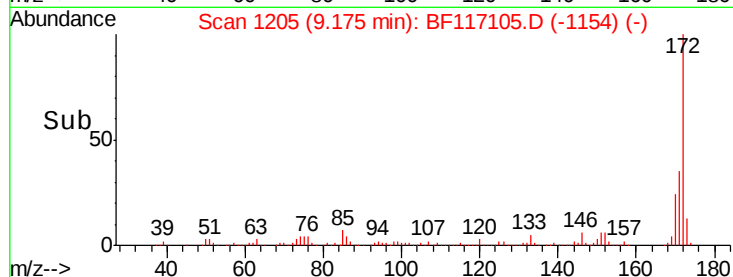
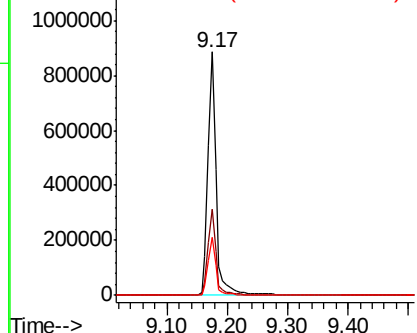
#45
 2-Fluorobiphenyl
 Concen: 103.654 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117105.D
 Acq: 17 Sep 2019 14:37

Instrument :
 BNA_F
 ClientSampleId :
 FB-20190911

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	23.9	18.9	28.3

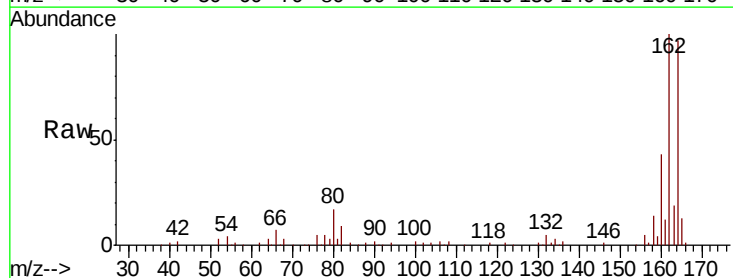


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

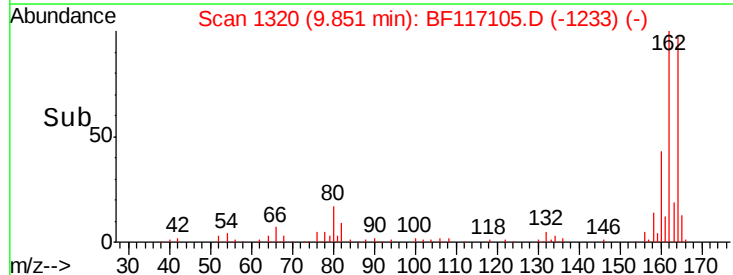
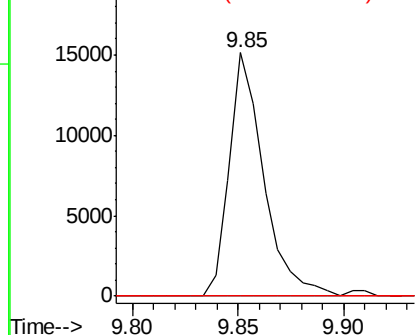


#51
 2,6-Dinitrotoluene
 Concen: 9.222 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117105.D
 Acq: 17 Sep 2019 14:37

Tgt 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

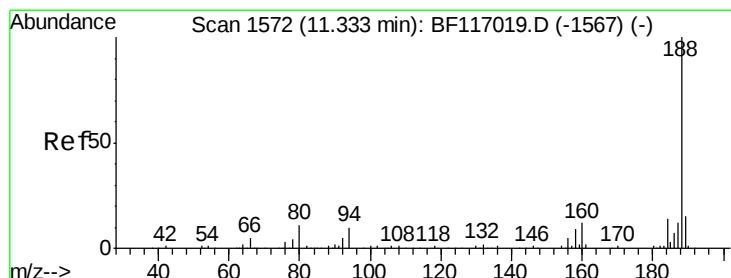
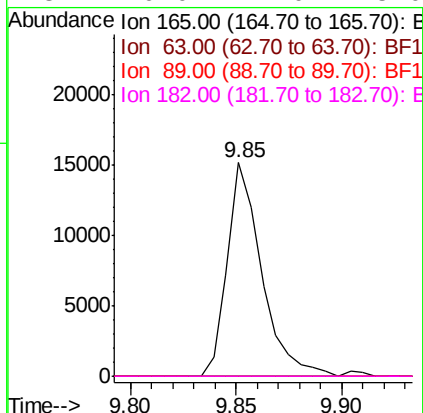
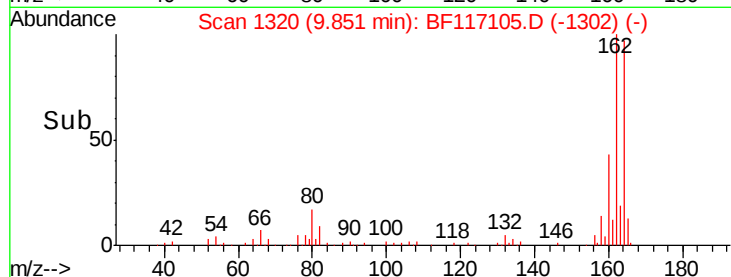
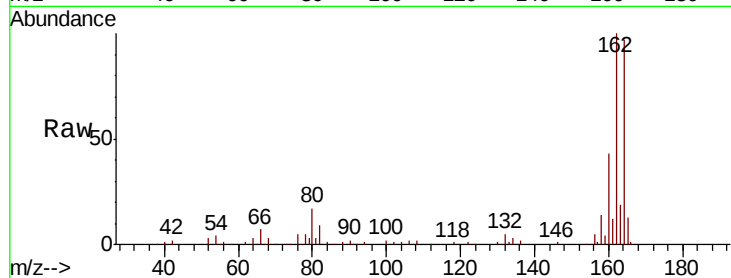




#57
 2,4-Dinitrotoluene
 Concen: 7.104 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117105.D
 Acq: 17 Sep 2019 14:37

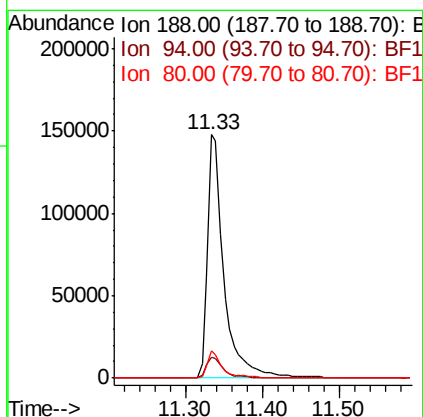
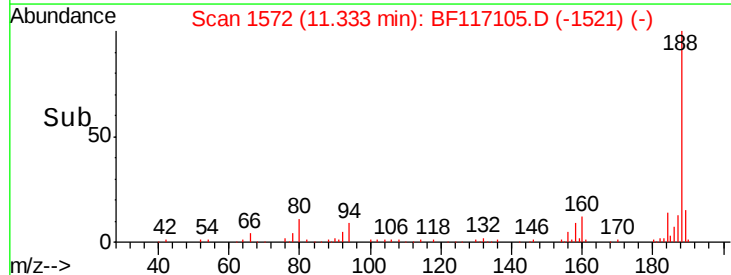
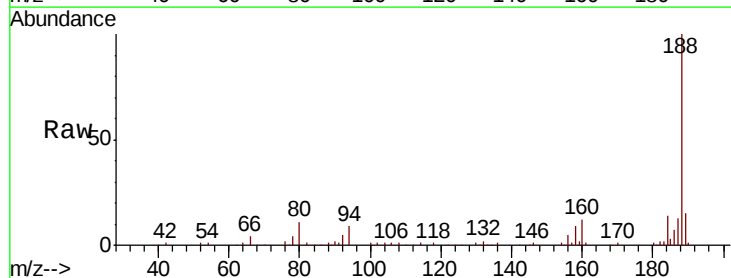
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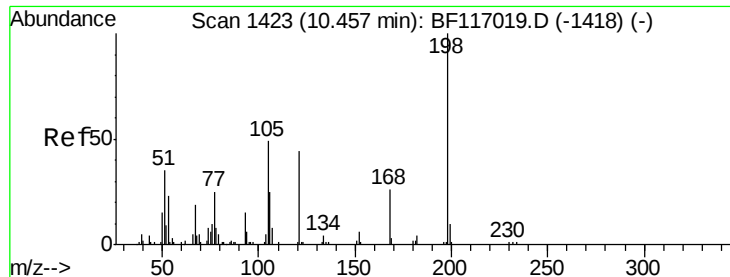
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117105.D
 Acq: 17 Sep 2019 14:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	11.2	9.0	13.6

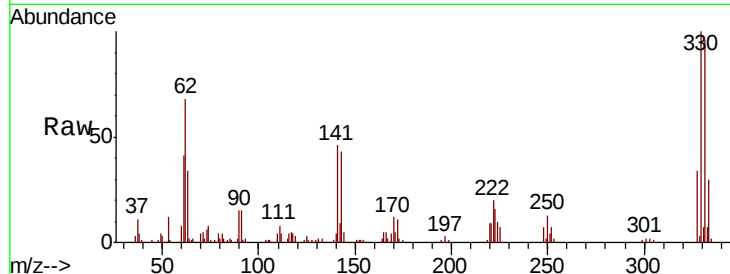




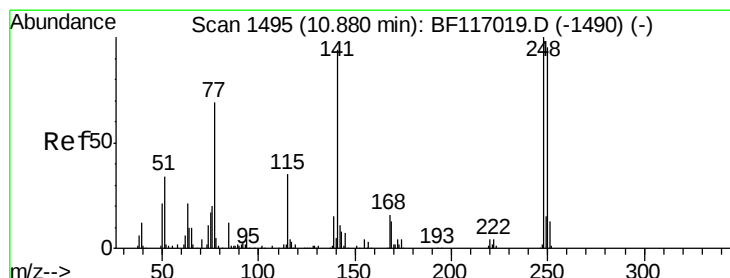
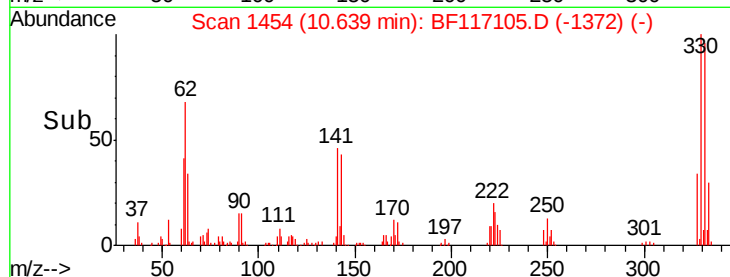
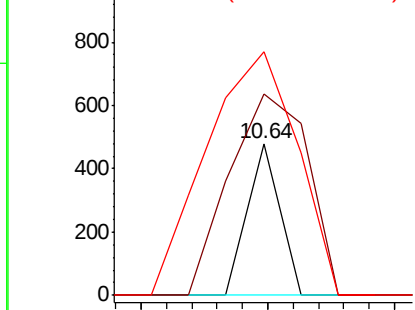
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.048 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF117105.D
 Acq: 17 Sep 2019 14:37

Instrument :
 BNA_F
 ClientSampleId :
 FB-20190911

Tot Ion:198 Resp: 169
 Ion Ratio Lower Upper
 198 100
 51 132.3 18.7 58.7#
 105 160.2 30.2 70.2#

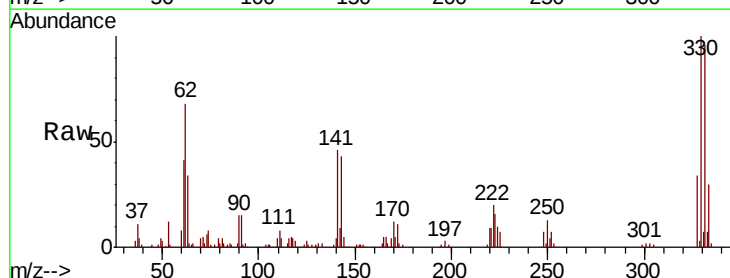


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

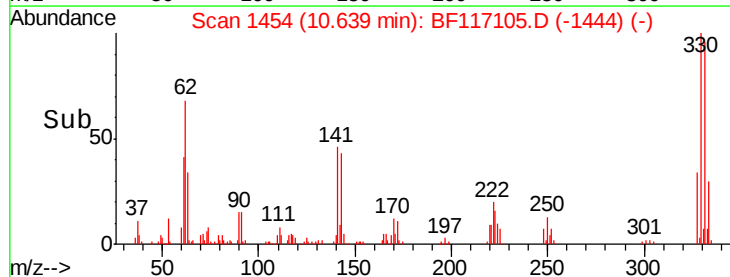
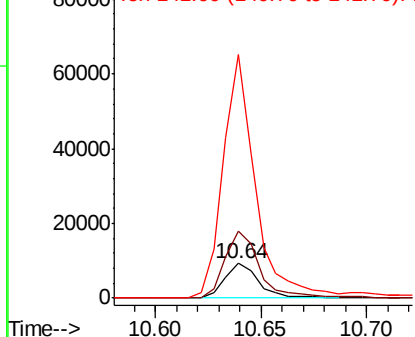


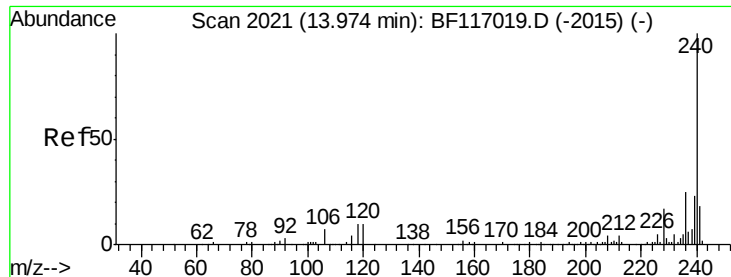
#67
 4-Bromophenyl-phenylether
 Concen: 4.510 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117105.D
 Acq: 17 Sep 2019 14:37

Tgt Ion:248 Resp: 10062
 Ion Ratio Lower Upper
 248 100
 250 195.4 76.2 114.4#
 141 704.5 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

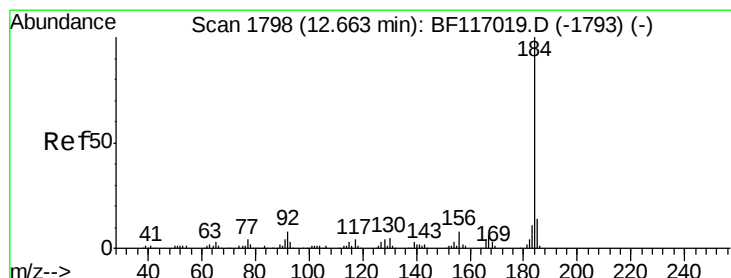
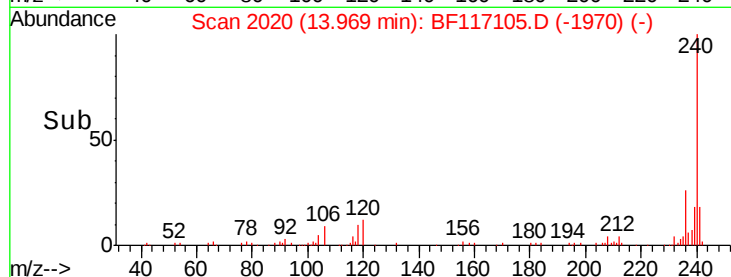
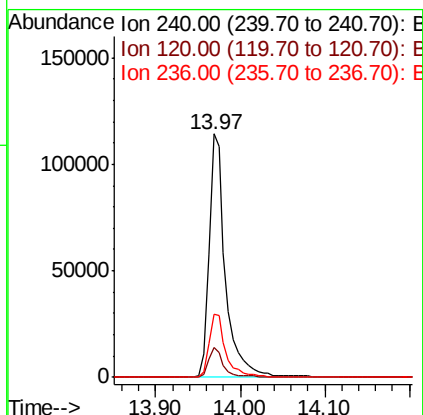
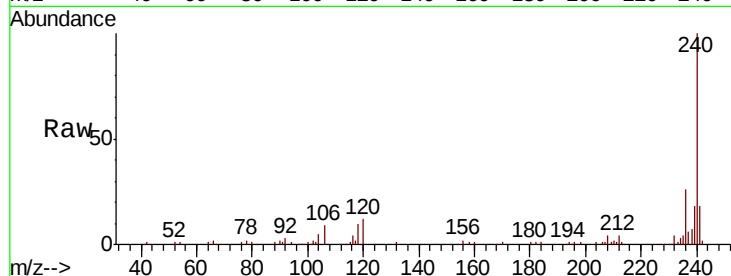




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117105.D
Acq: 17 Sep 2019 14:37

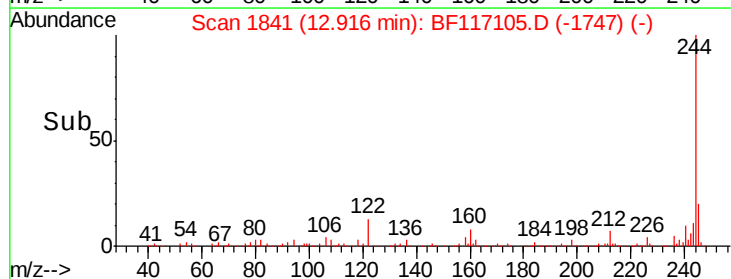
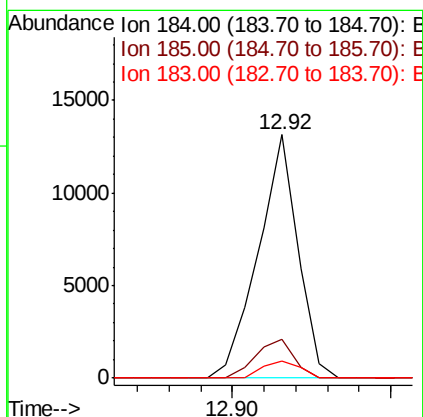
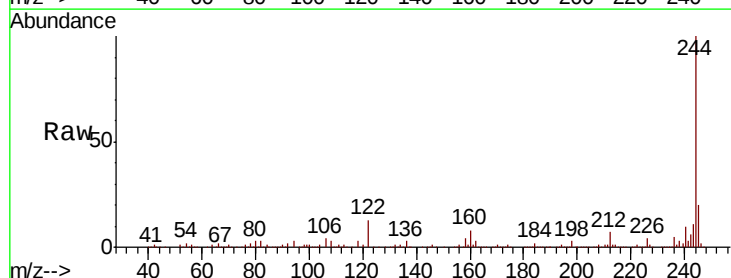
Instrument :
BNA_F
ClientSampleId :
FB-20190911

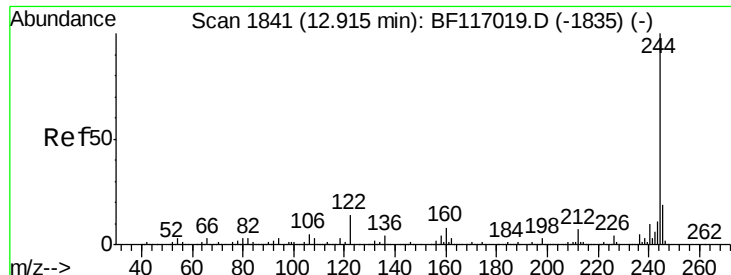
Tot Ion:240 Resp: 156185
Ion Ratio Lower Upper
240 100
120 12.4 8.3 12.5
236 25.9 20.3 30.5



#77
Benzidine
Concen: 2.280 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117105.D
Acq: 17 Sep 2019 14:37

Tgt Ion:184 Resp: 11470
Ion Ratio Lower Upper
184 100
185 15.7 11.6 17.4
183 6.8 9.0 13.4#

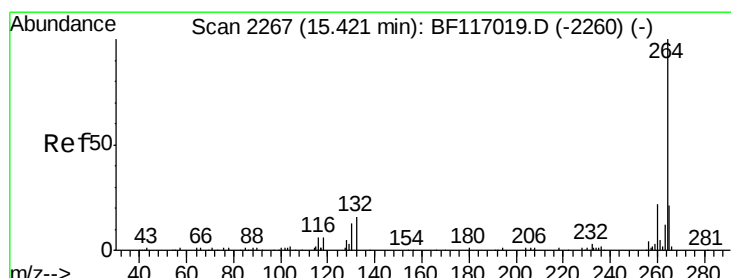
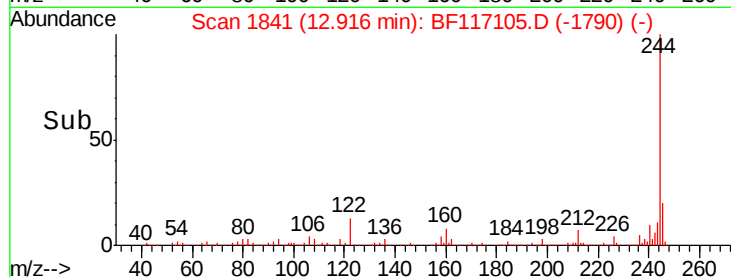
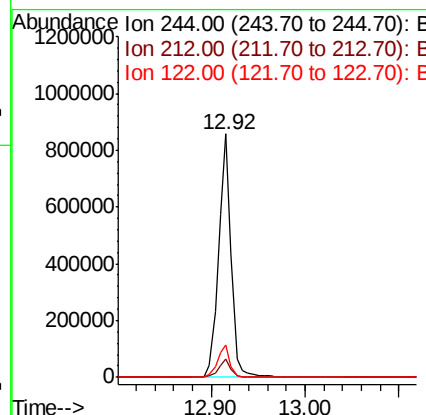
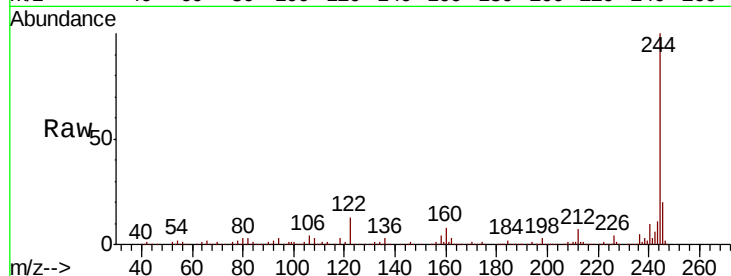




#79
 Terphenyl-d14
 Concen: 96.618 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117105.D
 Acq: 17 Sep 2019 14:37

Instrument :
 BNA_F
 ClientSampleId :
 FB-20190911

Tot Ion:244 Resp: 807303
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 13.2 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: BF117105.D
 Acq: 17 Sep 2019 14:37

Tgt Ion:264 Resp: 127775
 Ion Ratio Lower Upper
 264 100
 260 22.5 17.6 26.4
 265 22.1 16.6 24.8

