

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117155.D
 Acq On : 18 Sep 2019 20:00
 Operator : HP/JU
 Sample : K4931-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:15:35 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

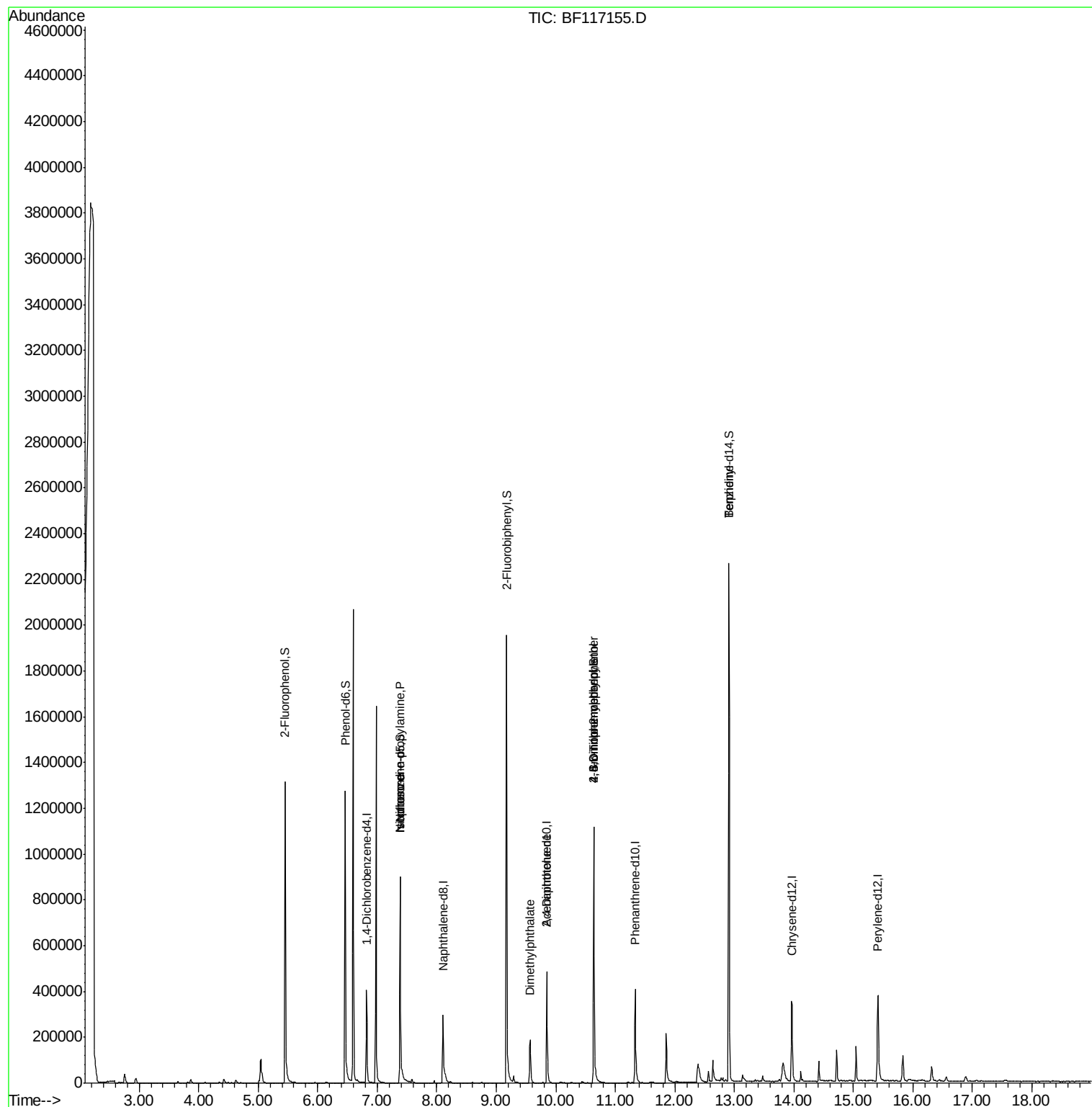
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	62221	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	240312	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	124265	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	200394	20.00	ng	0.00
76) Chrysene-d12	13.96	240	158941	20.00	ng	-0.01
87) Perylene-d12	15.42	264	163094	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	455186	114.22	ng	0.02
7) Phenol-d6	6.46	99	537771	104.41	ng	0.00
23) Nitrobenzene-d5	7.38	82	426883	93.33	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	149822	144.26	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	757432	95.30	ng	0.00
79) Terphenyl-d14	12.91	244	754951	88.79	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	806	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	55161	17.588 ng	#	1
25) Isophorone	7.38	82	426919	52.719 ng	#	83
50) Dimethylphthalate	9.57	163	115727	13.153 ng	#	66
57) 2,4-Dinitrotoluene	9.85	165	15992	6.875 ng	#	99
65) 4,6-Dinitro-2-methylphenol	10.63	198	280	7.165 ng	#	18
67) 4-Bromophenyl-phenylether	10.64	248	9303	4.546 ng	#	1
77) Benzidine	12.91	184	10513	2.053 ng	#	1
77) Benzidine	12.91	184	10513	2.053 ng	#	92

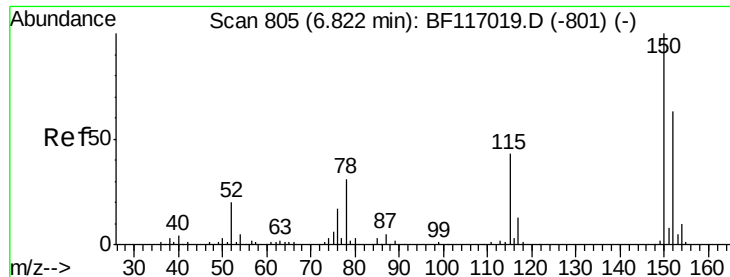
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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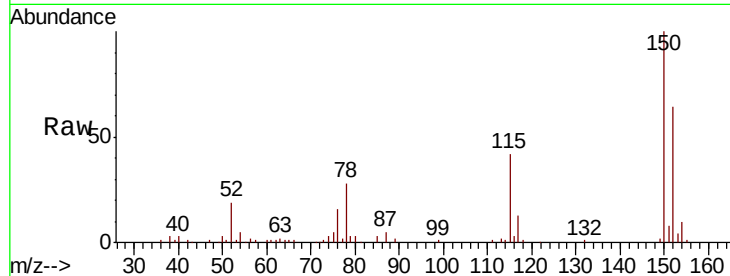


#1

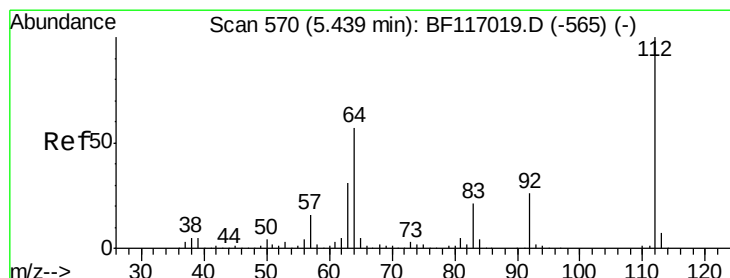
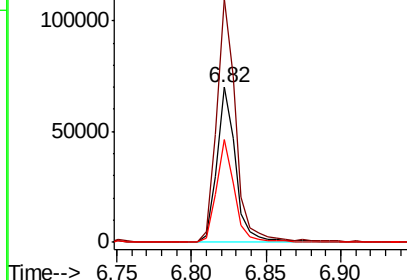
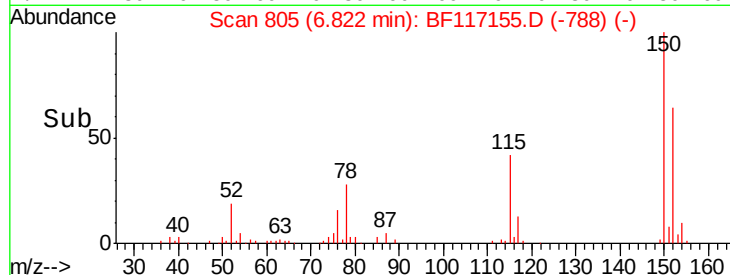
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117155.D
Acq: 18 Sep 2019 20:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 62221
Ion Ratio Lower Upper
152 100
150 156.8 127.5 191.3
115 66.1 55.0 82.4



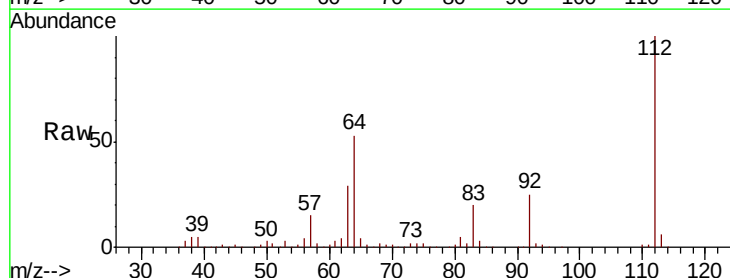
Abundance Ion 152.00 (151.70 to 152.70): E
150000 Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



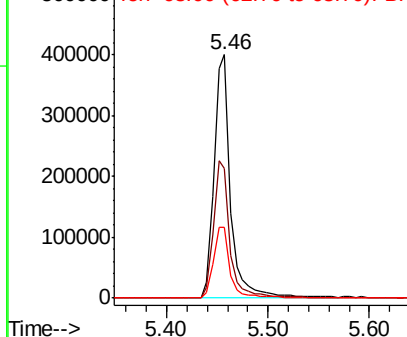
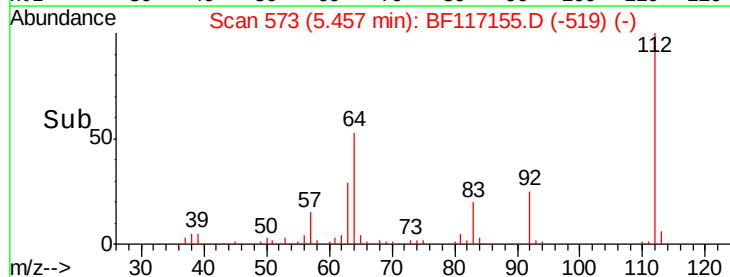
#5

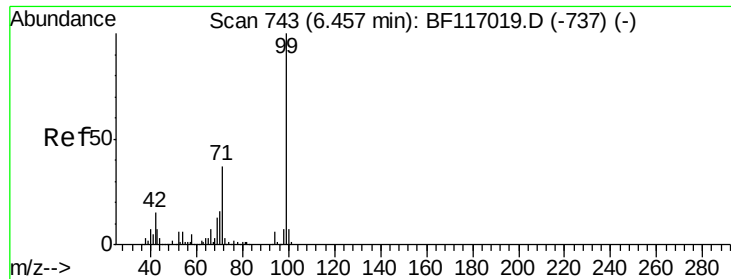
2-Fluorophenol
Concen: 114.215 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117155.D
Acq: 18 Sep 2019 20:00

Tgt Ion:112 Resp: 455186
Ion Ratio Lower Upper
112 100
64 53.3 45.7 68.5
63 28.9 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
500000 Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.412 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117155.D

Acq: 18 Sep 2019 20:00

Instrument :

BNA_F

ClientSampleId :

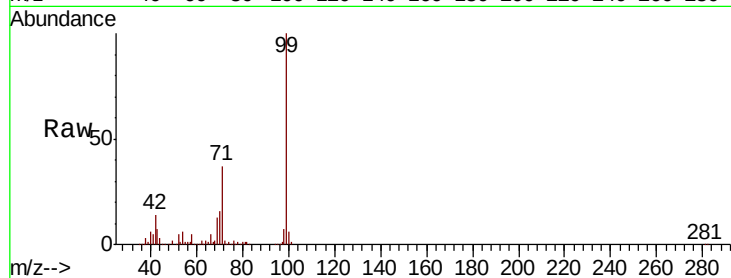
Tot Ion: 99 Resp: 537771

Ion Ratio Lower Upper

99 100

42 14.1 12.2 18.2

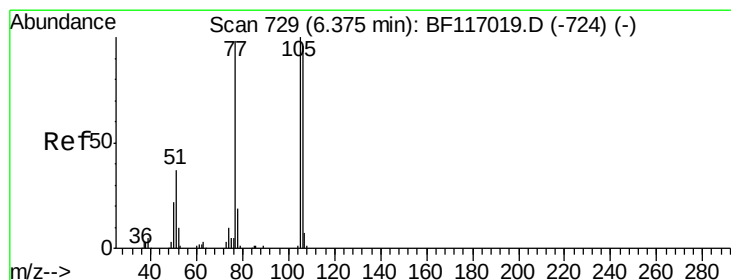
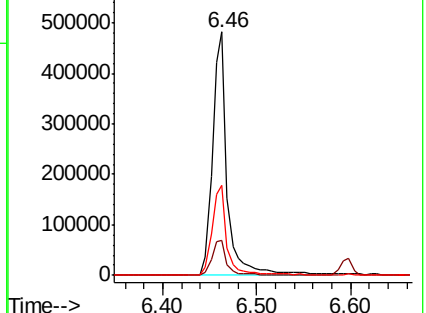
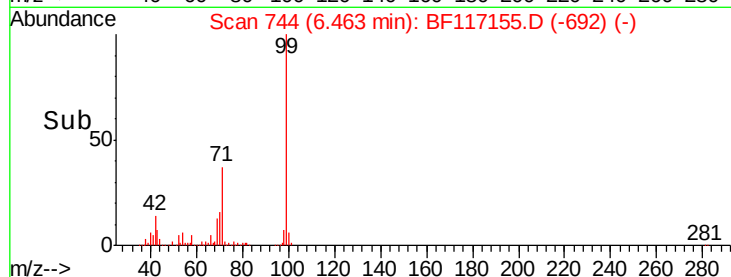
71 37.2 29.8 44.8



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: BF117155.D

Acq: 18 Sep 2019 20:00

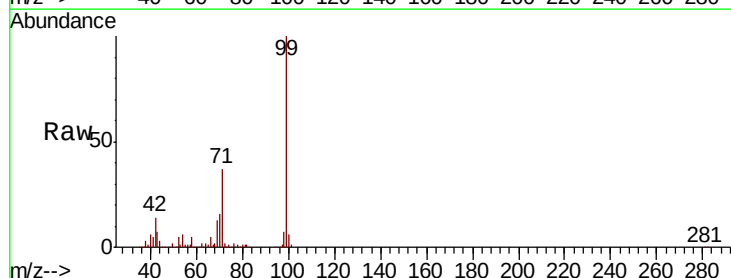
Tgt Ion: 77 Resp: 806

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

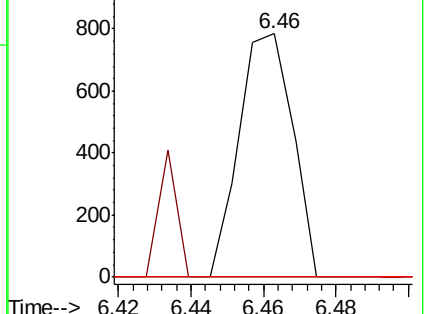
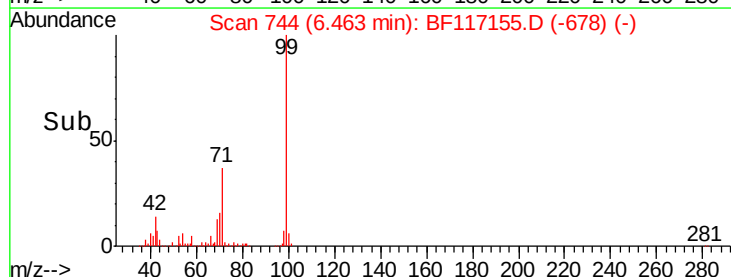
106 0.0 77.3 117.3#

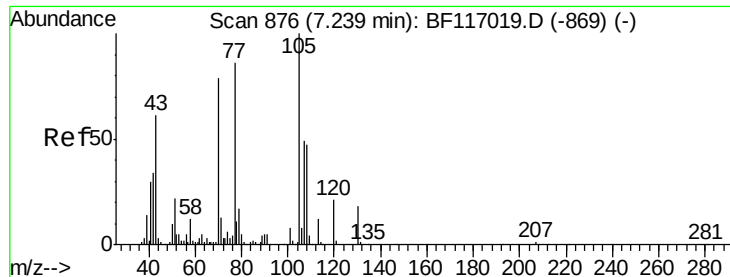


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

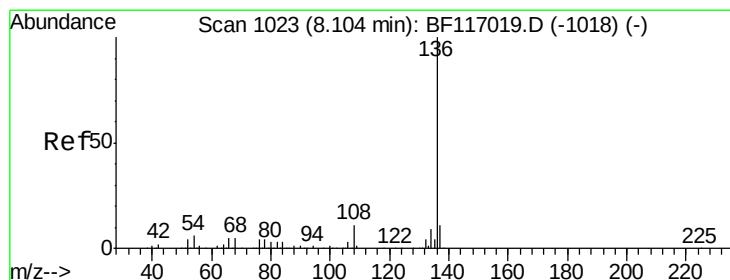
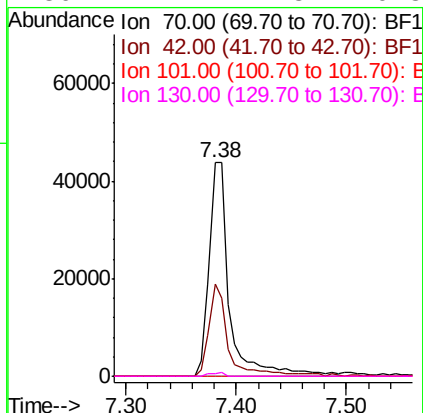
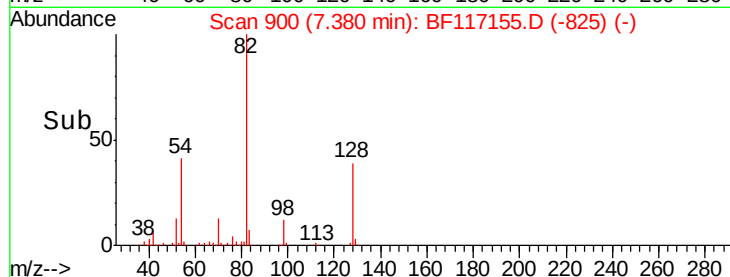
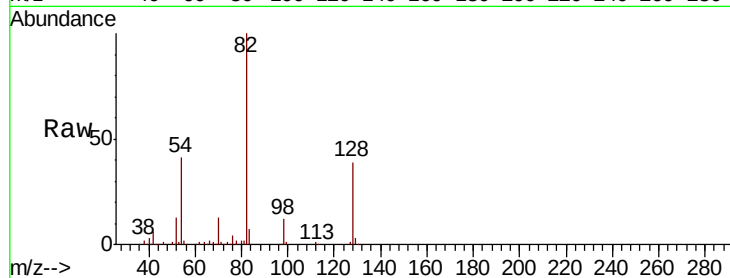




#19
n-Nitroso-di-n-propylamine
Concen: 17.588 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117155.D
Acq: 18 Sep 2019 20:00

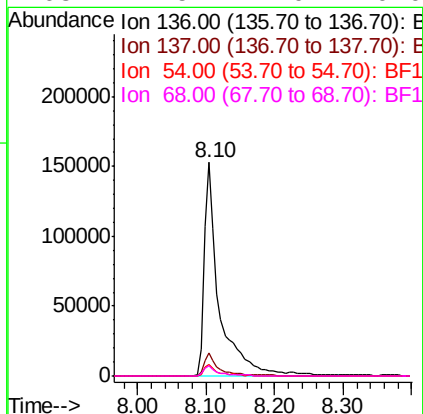
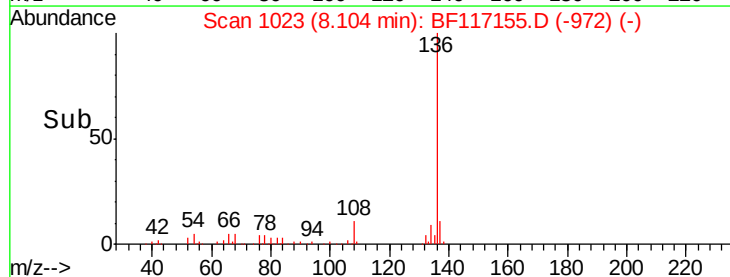
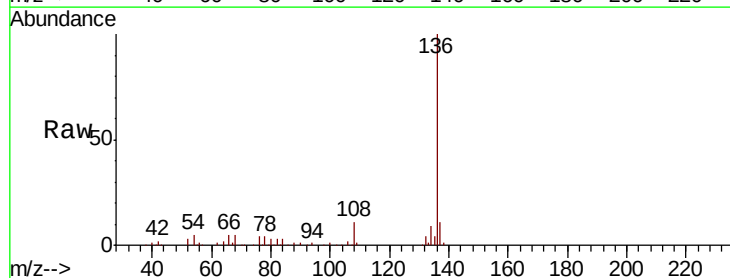
Instrument :
BNA_F
ClientSampleId :

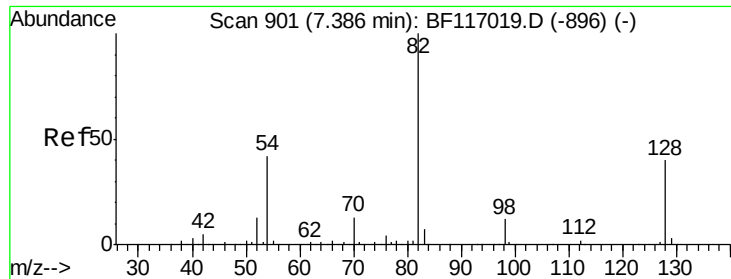
Tot Ion: 70 Resp: 55161
Ion Ratio Lower Upper
70 100
42 43.2 34.0 51.0
101 0.0 7.8 11.6#
130 1.4 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117155.D
Acq: 18 Sep 2019 20:00

Tgt Ion: 136 Resp: 240312
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 5.4 4.5 6.7
68 4.5 4.0 6.0

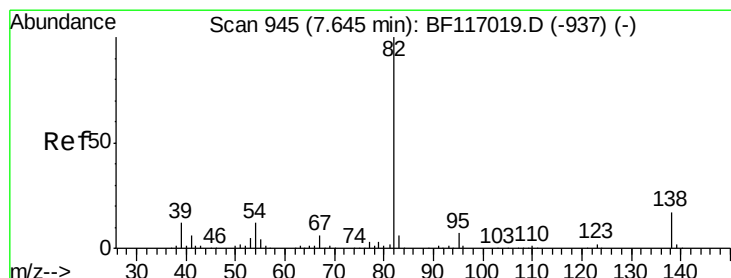
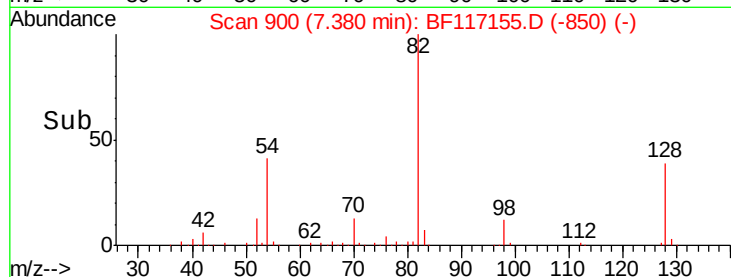
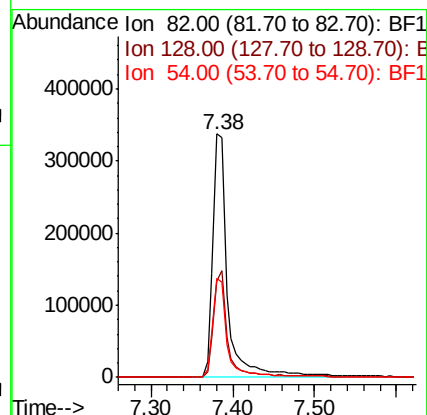
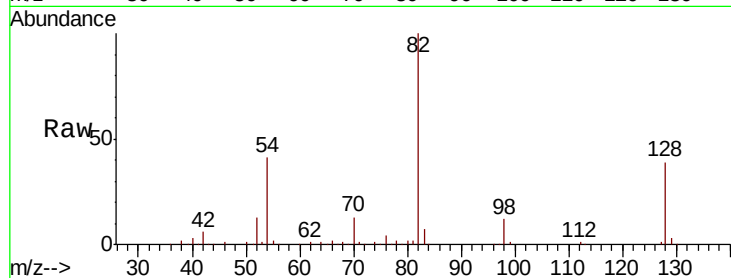




#23
Nitrobenzene-d5
Concen: 93.335 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117155.D
Acq: 18 Sep 2019 20:00

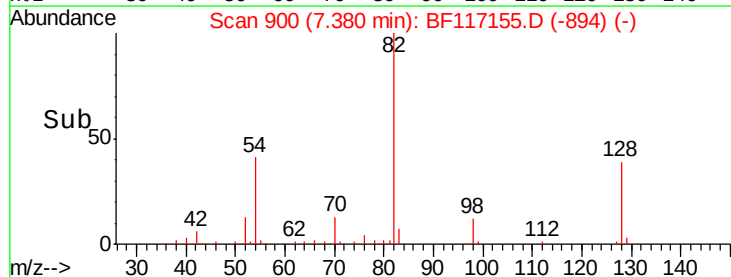
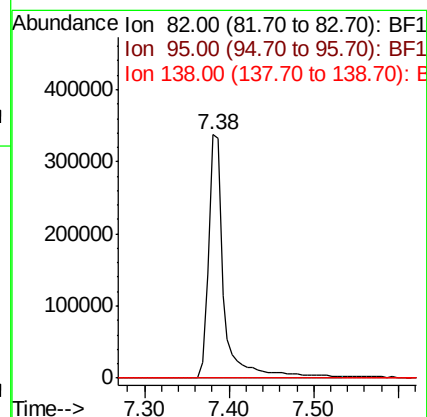
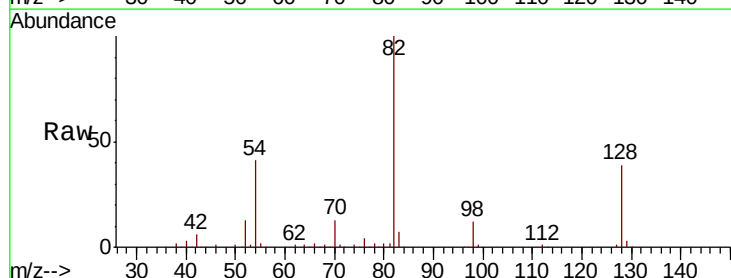
Instrument :
BNA_F
ClientSampleId :

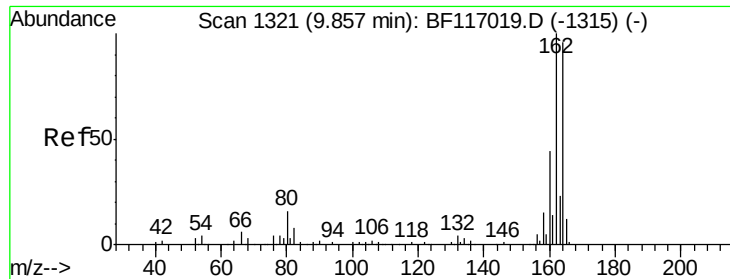
Tot Ion	82	Resp	426883
Ion Ratio	Lower	Upper	
82	100		
128	39.3	32.3	48.5
54	40.7	33.3	49.9



#25
Isophorone
Concen: 52.719 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.26 min
Lab File: BF117155.D
Acq: 18 Sep 2019 20:00

Tgt Ion	82	Resp	426919
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

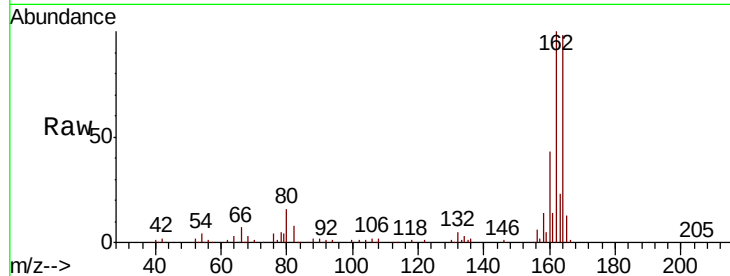




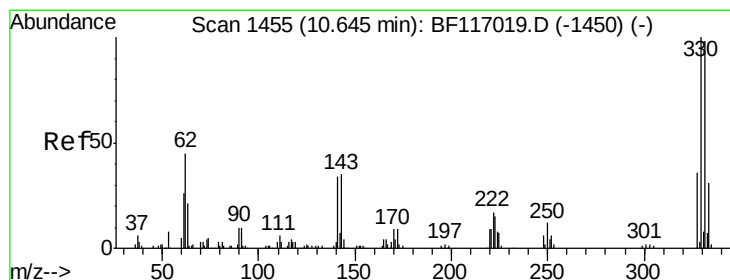
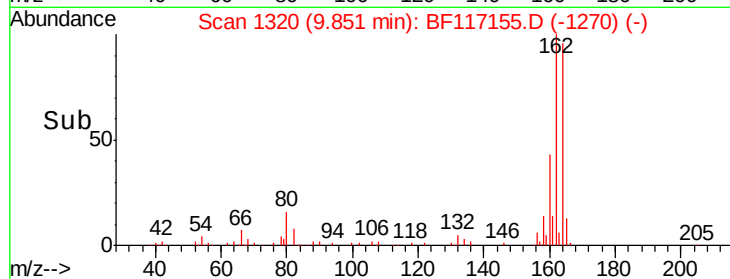
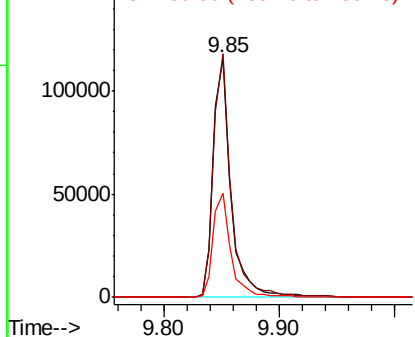
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117155.D
Acq: 18 Sep 2019 20:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 124265
Ion Ratio Lower Upper
164 100
162 101.9 83.4 125.2
160 43.5 36.4 54.6

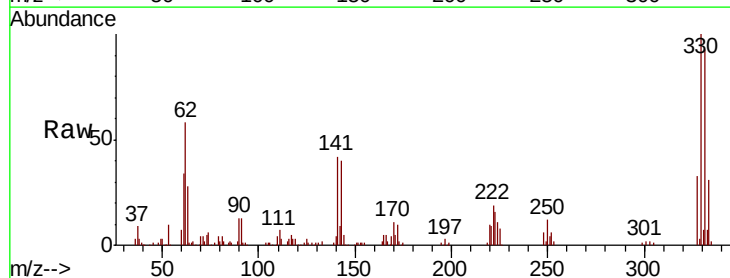


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

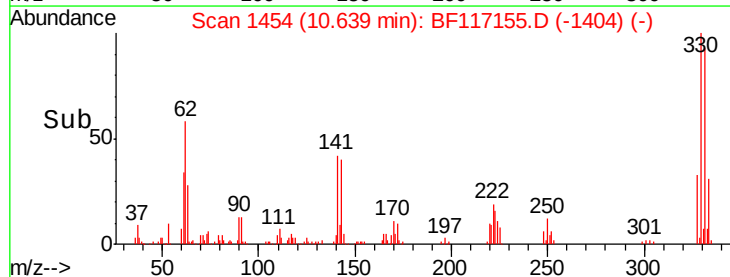
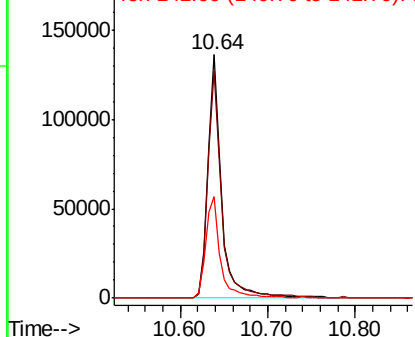


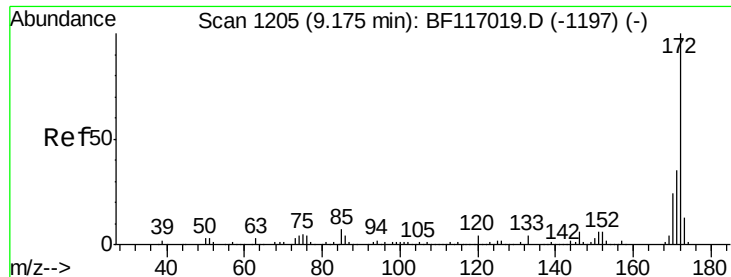
#42
2,4,6-Tribromophenol
Concen: 144.258 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117155.D
Acq: 18 Sep 2019 20:00

Tgt Ion:330 Resp: 149822
Ion Ratio Lower Upper
330 100
332 94.9 78.0 117.0
141 44.3 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

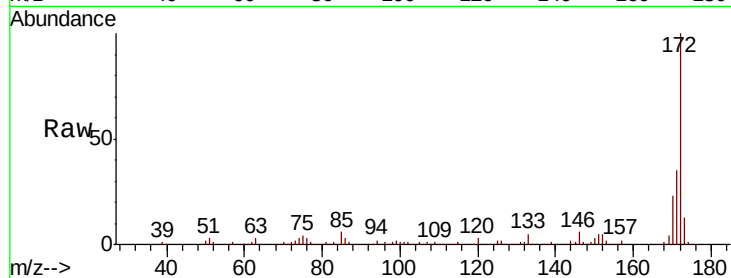




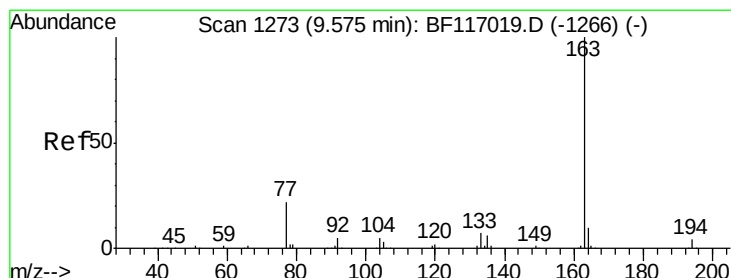
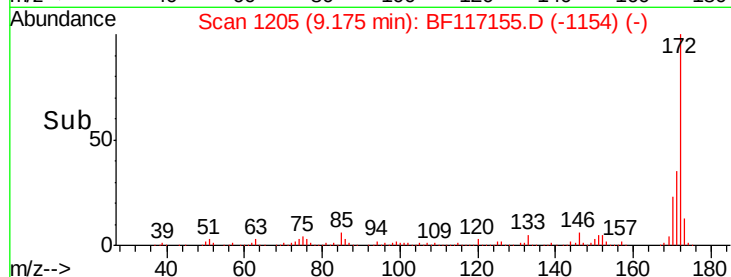
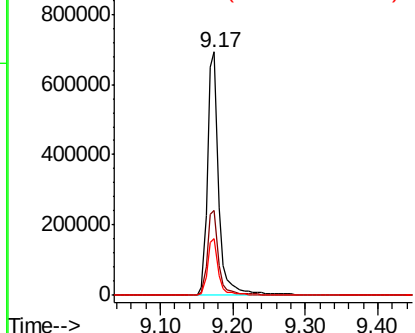
#45
2-Fluorobiphenyl
Concen: 95.305 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF117155.D
Acq: 18 Sep 2019 20:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 757432
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.0 18.9 28.3

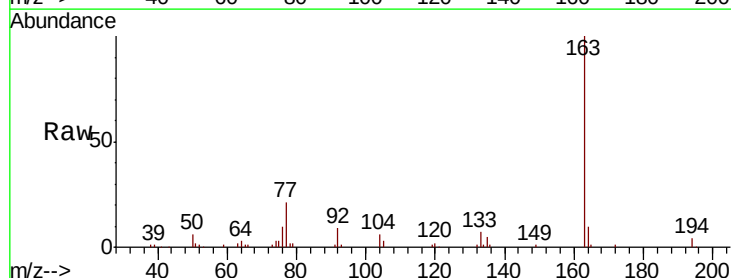


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

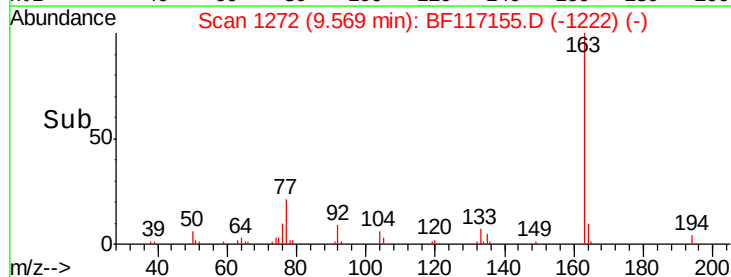
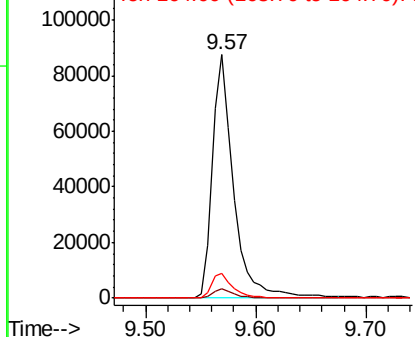


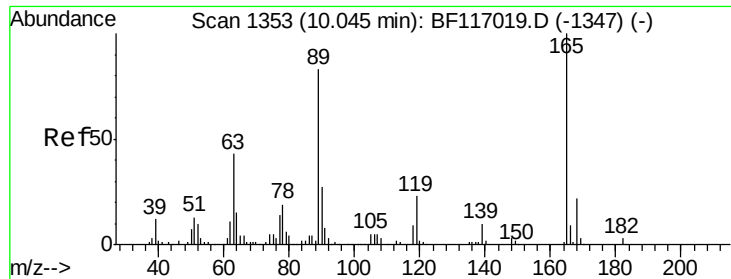
#50
Dimethylphthalate
Concen: 13.153 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117155.D
Acq: 18 Sep 2019 20:00

Tgt Ion:163 Resp: 115727
Ion Ratio Lower Upper
163 100
194 4.1 2.9 4.3
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

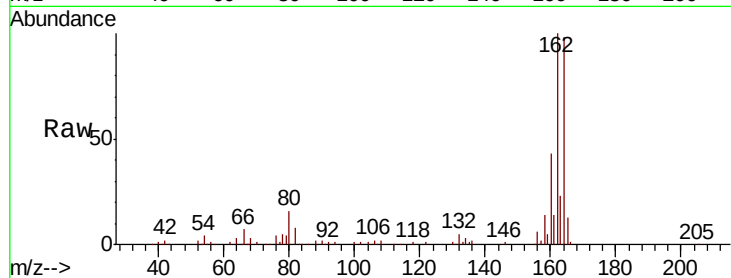




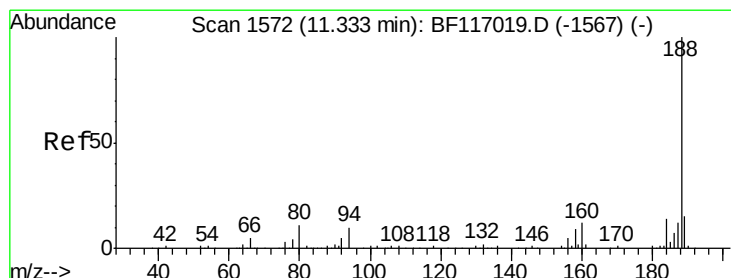
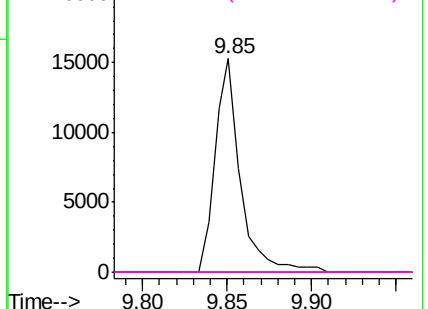
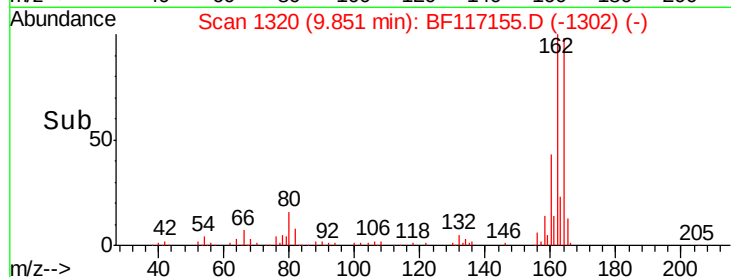
#57
 2,4-Dinitrotoluene
 Concen: 6.875 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117155.D
 Acq: 18 Sep 2019 20:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 15992
 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#

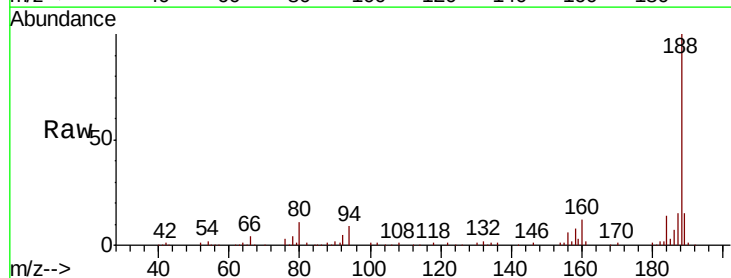


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

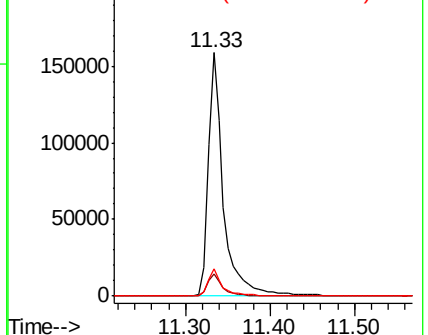
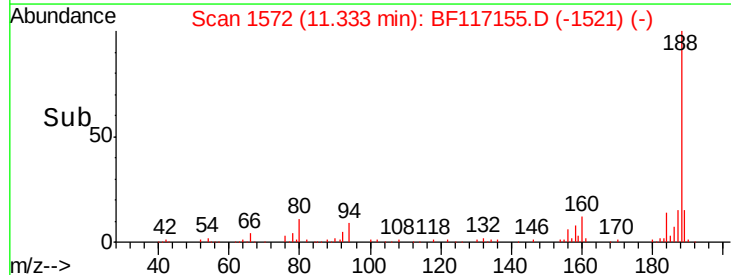


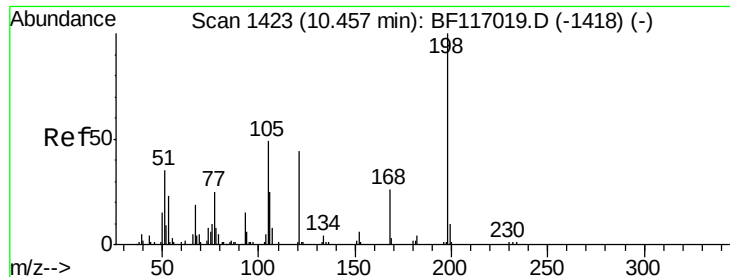
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117155.D
 Acq: 18 Sep 2019 20:00

Tgt Ion:188 Resp: 200394
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.2 12.2
 80 11.1 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

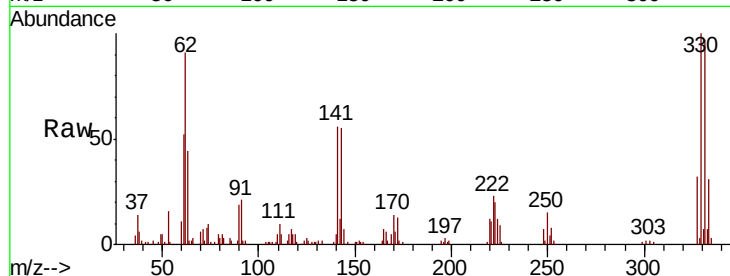




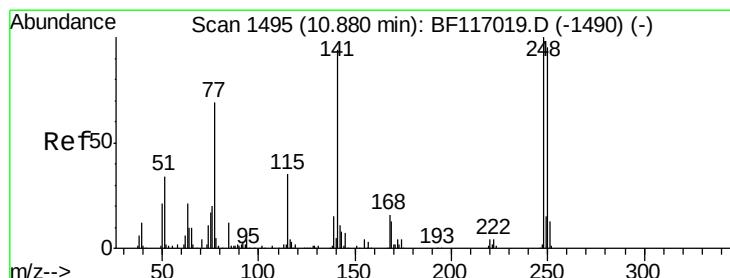
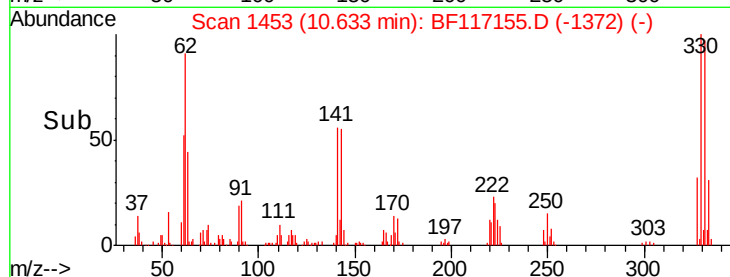
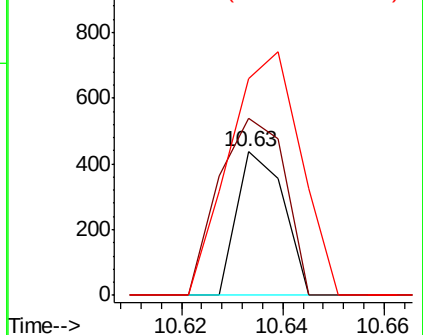
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.165 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF117155.D
 Acq: 18 Sep 2019 20:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 280
 Ion Ratio Lower Upper
 198 100
 51 123.2 18.7 58.7#
 105 151.4 30.2 70.2#

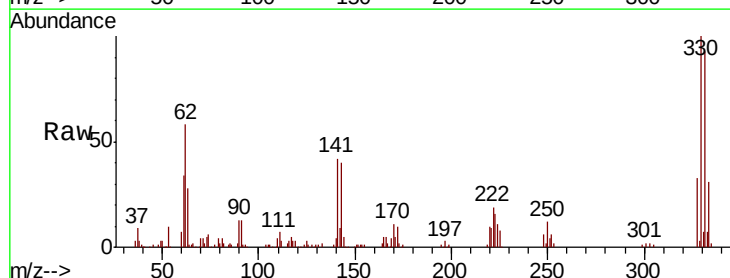


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

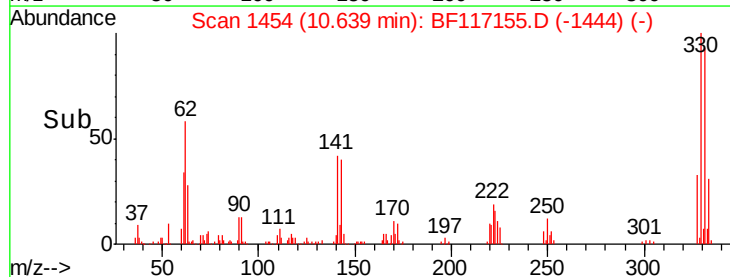
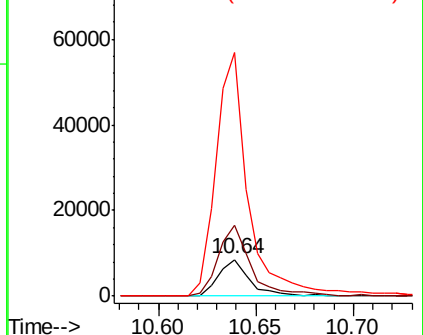


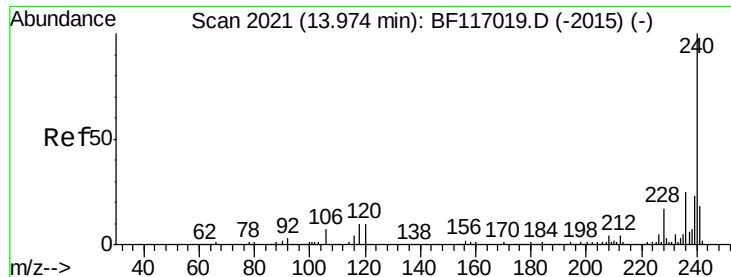
#67
 4-Bromophenyl-phenylether
 Concen: 4.546 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117155.D
 Acq: 18 Sep 2019 20:00

Tgt Ion:248 Resp: 9303
 Ion Ratio Lower Upper
 248 100
 250 194.6 76.2 114.4#
 141 665.0 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

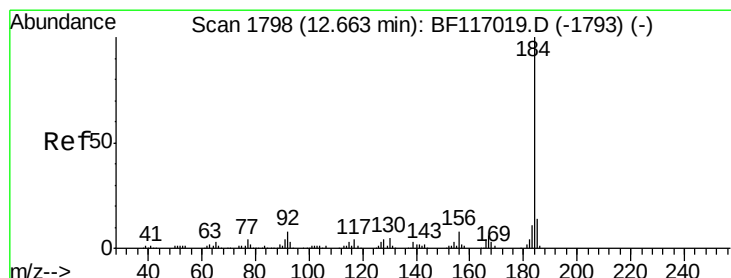
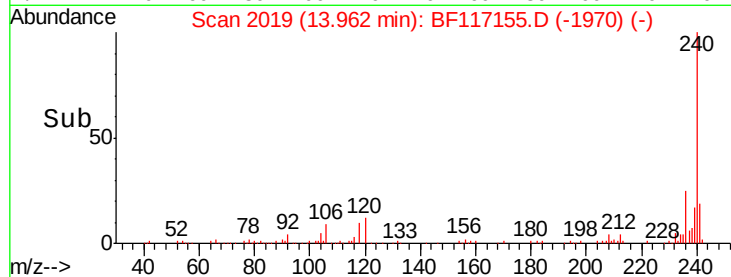
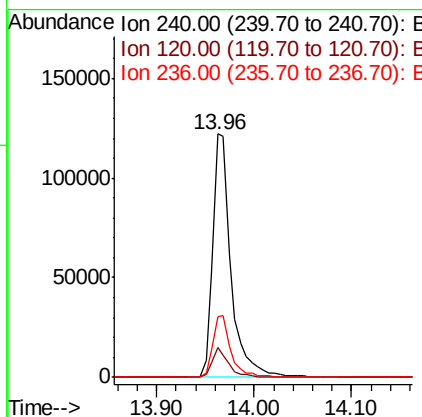
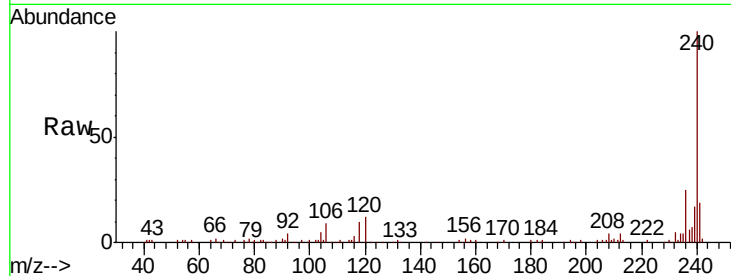




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF117155.D
 Acq: 18 Sep 2019 20:00

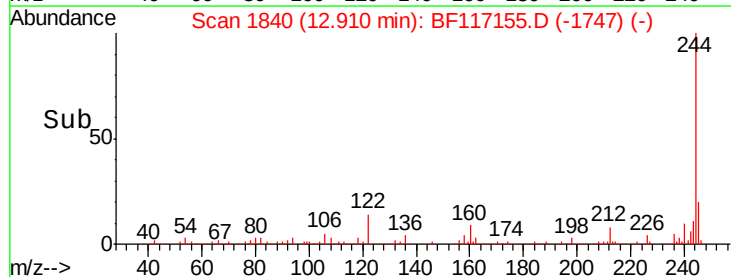
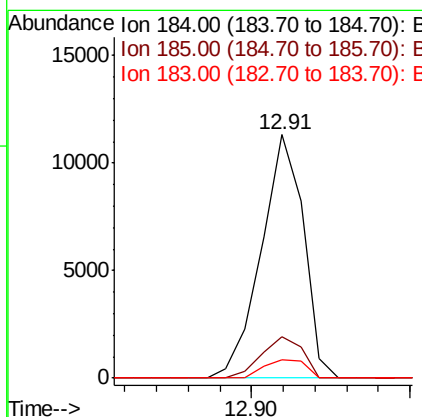
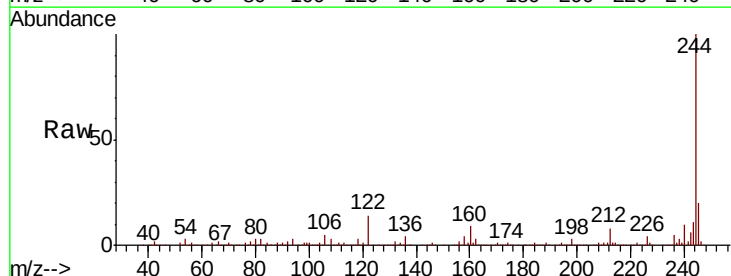
Instrument :
 BNA_F
 ClientSampleId :

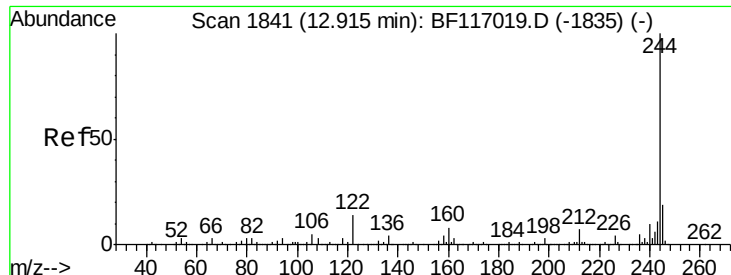
Tot Ion:240 Resp: 158941
 Ion Ratio Lower Upper
 240 100
 120 12.1 8.3 12.5
 236 24.9 20.3 30.5



#77
 Benzidine
 Concen: 2.053 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.25 min
 Lab File: BF117155.D
 Acq: 18 Sep 2019 20:00

Tgt Ion:184 Resp: 10513
 Ion Ratio Lower Upper
 184 100
 185 17.0 11.6 17.4
 183 7.3 9.0 13.4#





#79

Terphenyl-d14

Concen: 88.786 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117155.D

Acq: 18 Sep 2019 20:00

Instrument :

BNA_F

ClientSampled :

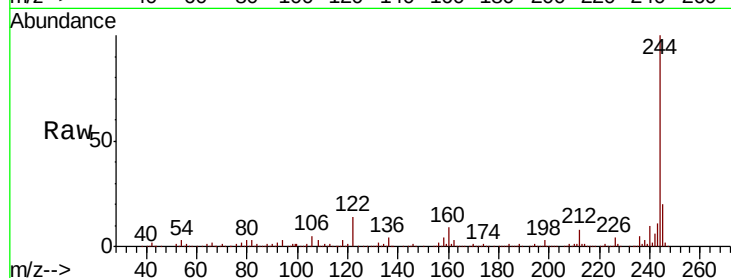
Tot Ion:244 Resp: 754951

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

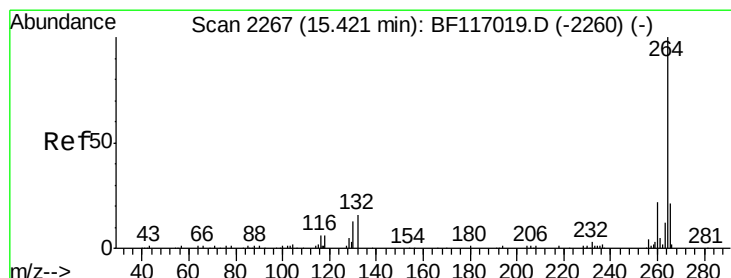
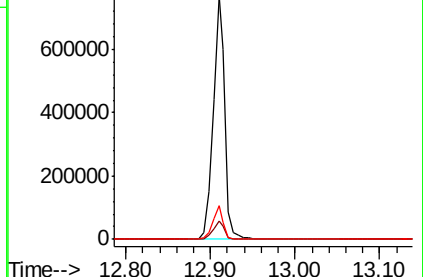
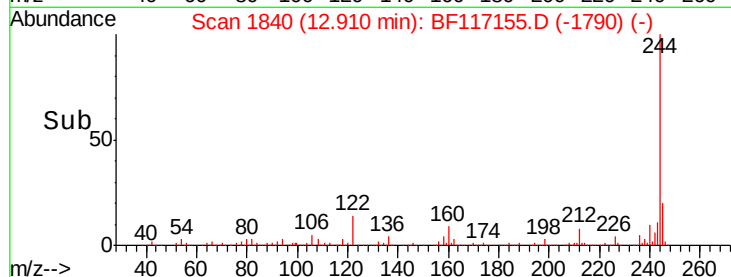
122 13.8 11.3 16.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF117155.D

Acq: 18 Sep 2019 20:00

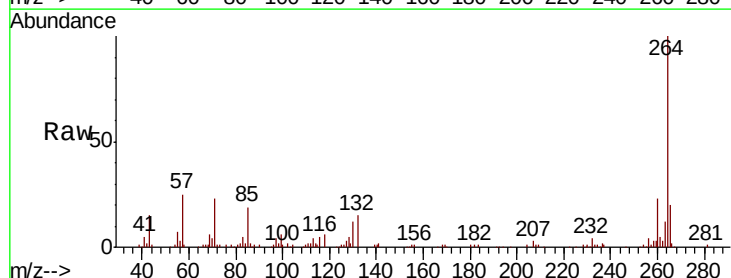
Tgt Ion:264 Resp: 163094

Ion Ratio Lower Upper

264 100

260 23.3 17.6 26.4

265 20.0 16.6 24.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

