

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117035.D
 Acq On : 13 Sep 2019 21:05
 Operator : HP/JU
 Sample : K4848-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 00:19:24 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	65086	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	255412	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	135574	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	223675	20.00	ng	0.00
76) Chrysene-d12	13.96	240	164833	20.00	ng	-0.01
87) Perylene-d12	15.41	264	144740	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	247393	59.34	ng	0.00
7) Phenol-d6	6.45	99	207712	38.55	ng	-0.01
23) Nitrobenzene-d5	7.38	82	481159	98.98	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	167561	147.88	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	834686	96.26	ng	0.00
79) Terphenyl-d14	12.92	244	831233	94.26	ng	0.00

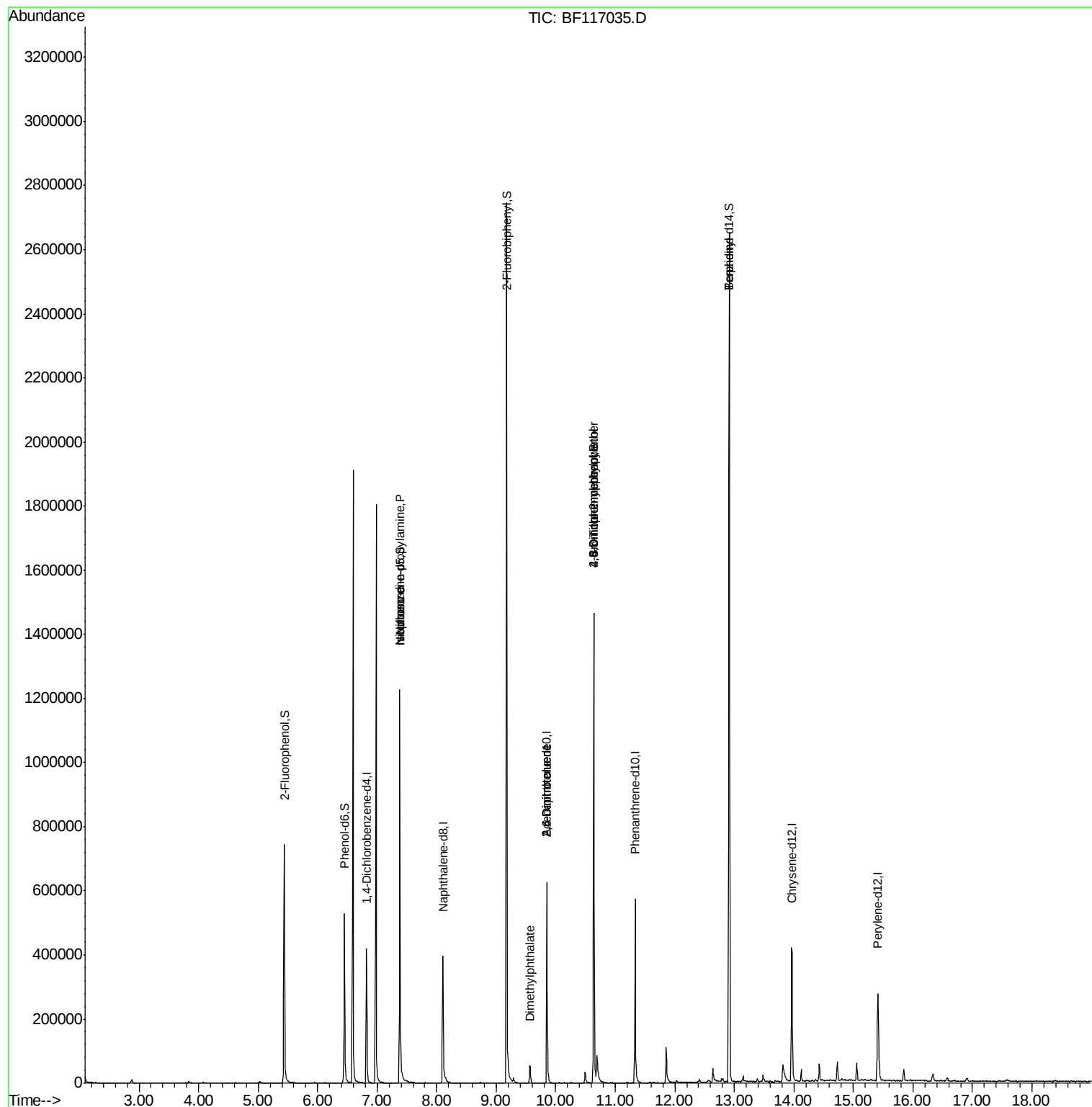
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	11517	Below Cal		# 78
19) n-Nitroso-di-n-propylamine	7.38	70	65228	19.882	ng	# 80
25) Isophorone	7.38	82	477928	55.528	ng	# 66
50) Dimethylphthalate	9.57	163	30768	3.205	ng	# 97
51) 2,6-Dinitrotoluene	9.85	165	16519	8.449	ng	# 25
57) 2,4-Dinitrotoluene	9.85	165	16520	6.510	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	171	7.046	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	11090	4.855	ng	# 1
77) Benzidine	12.92	184	12888	2.427	ng	# 97

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

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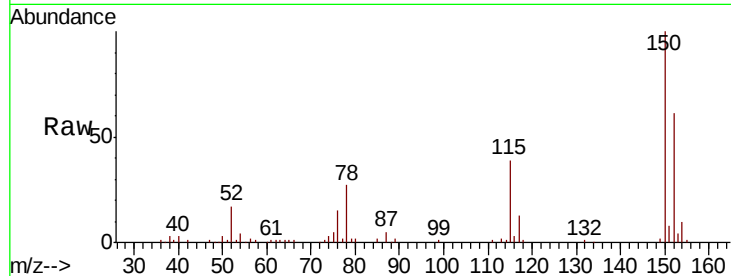


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117035.D
Acq: 13 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.1	127.5	191.3
115	64.0	55.0	82.4

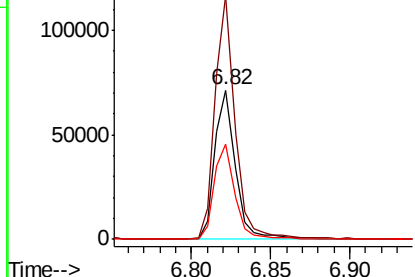
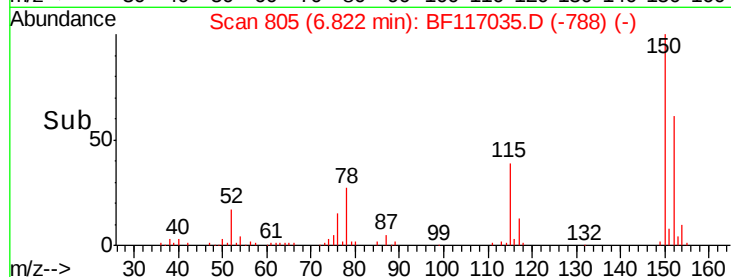


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

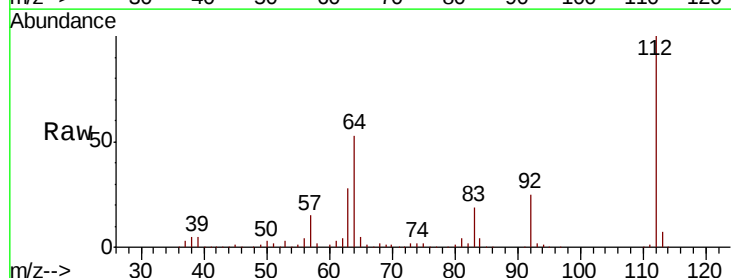
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 59.343 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117035.D
Acq: 13 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	45.7	68.5
63	27.7	24.9	37.3

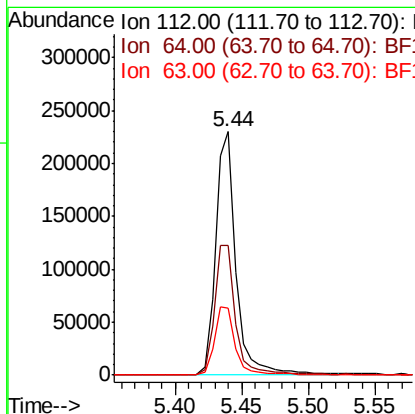
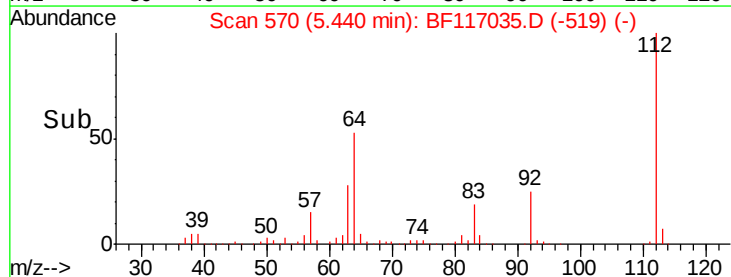


Abundance

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: 38.553 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117035.D

Acq: 13 Sep 2019 21:05

Instrument :

BNA_F

ClientSampled :

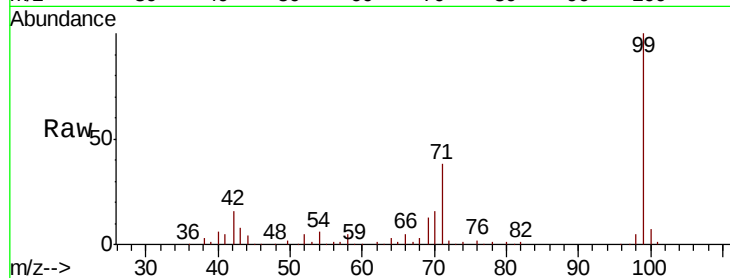
Tot Ion: 99 Resp: 207712

Ion Ratio Lower Upper

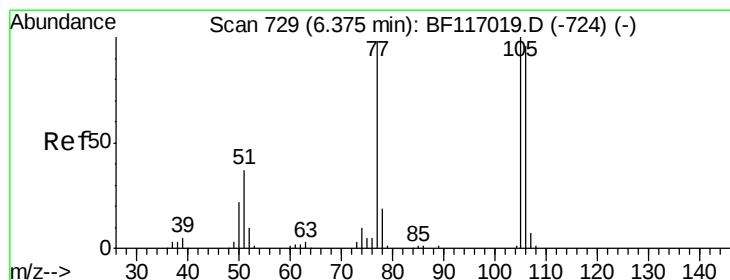
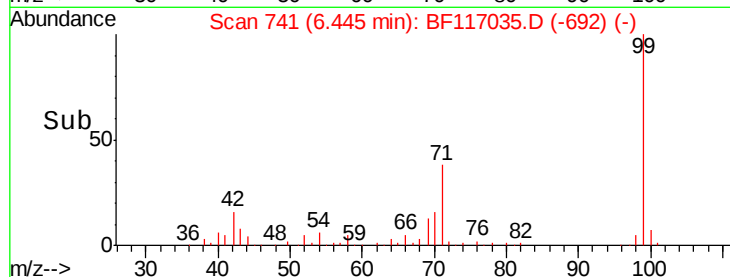
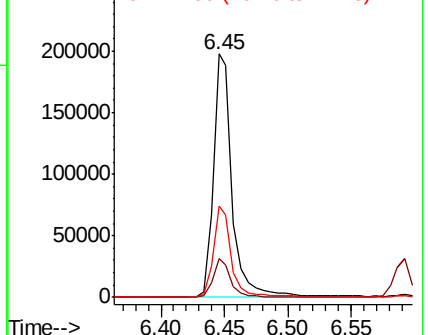
99 100

42 16.0 12.2 18.2

71 37.8 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: BF117035.D

Acq: 13 Sep 2019 21:05

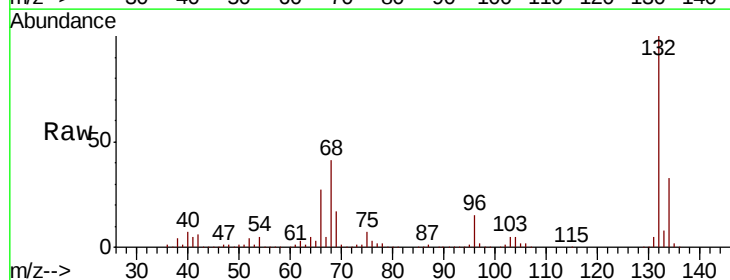
Tgt Ion: 77 Resp: 11517

Ion Ratio Lower Upper

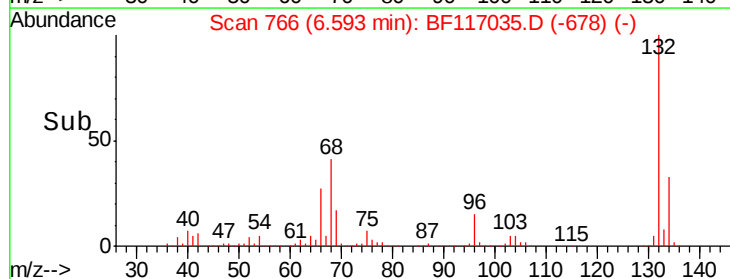
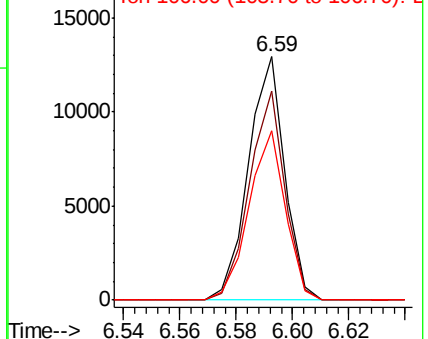
77 100

105 86.0 81.8 121.8

106 69.7 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

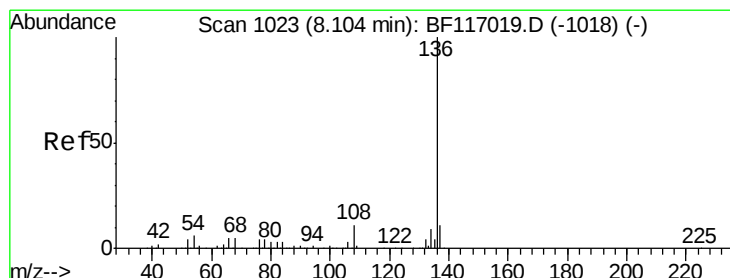
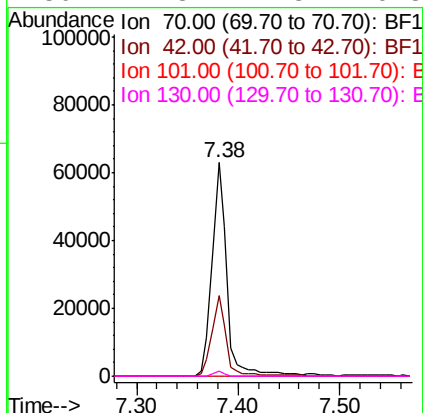
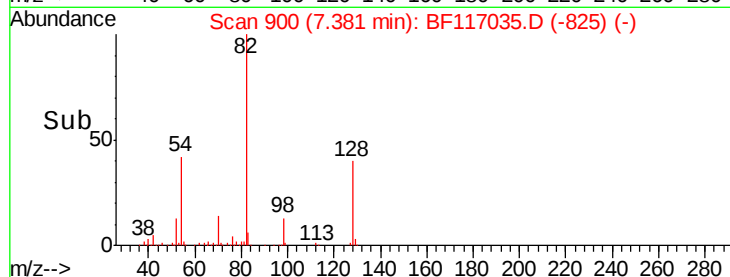
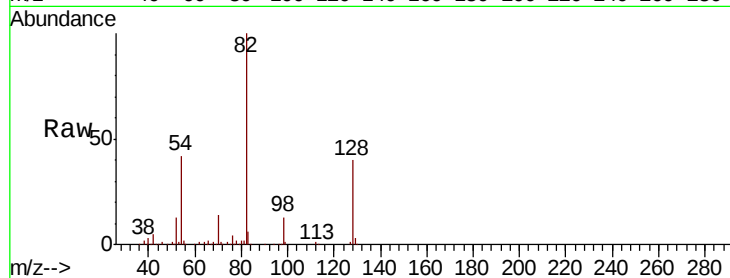




#19
n-Nitroso-di-n-propylamine
Concen: 19.882 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117035.D
Acq: 13 Sep 2019 21:05

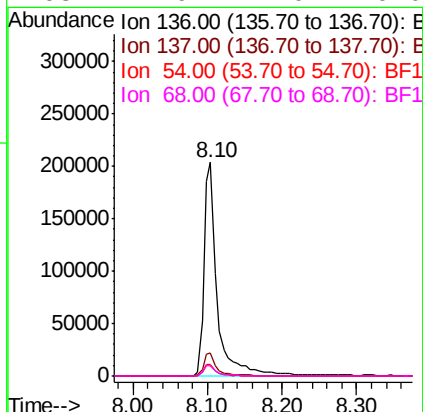
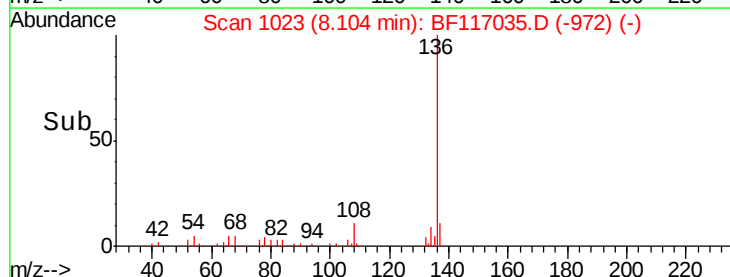
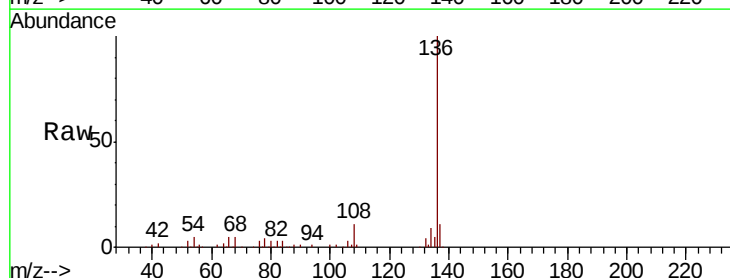
Instrument :
BNA_F
ClientSampled :

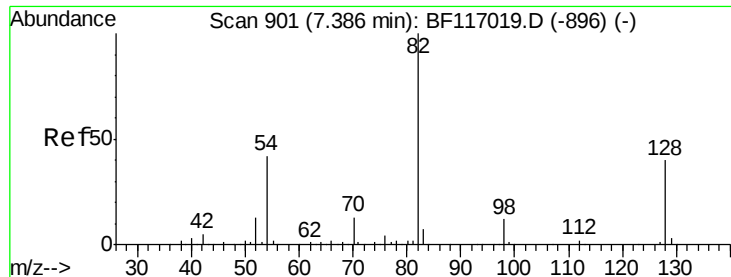
Tot Ion: 70 Resp: 65228
Ion Ratio Lower Upper
70 100
42 37.6 34.0 51.0
101 0.0 7.8 11.6#
130 2.3 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117035.D
Acq: 13 Sep 2019 21:05

Tgt Ion: 136 Resp: 255412
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 5.4 4.5 6.7
68 4.9 4.0 6.0

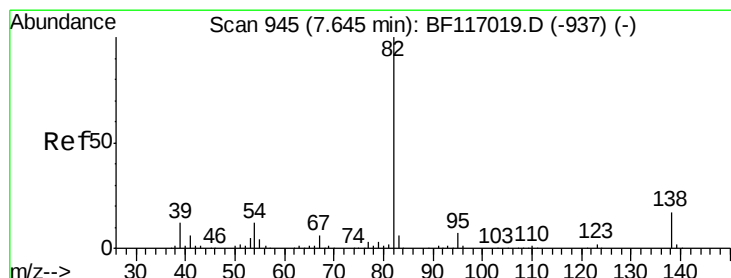
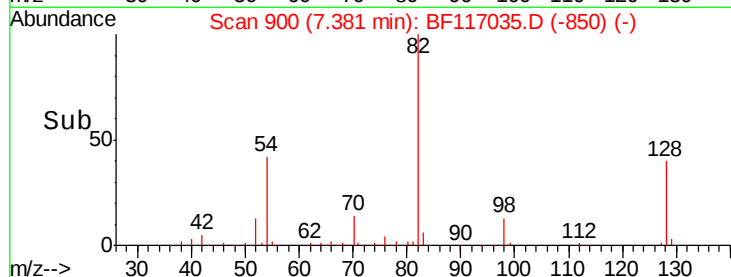
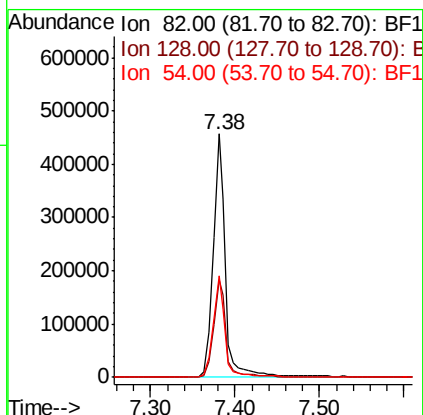
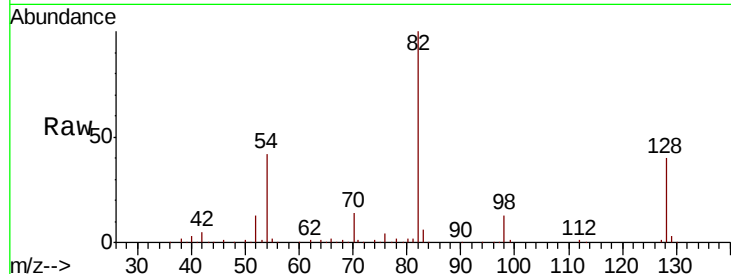




#23
 Nitrobenzene-d5
 Concen: 98.982 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117035.D
 Acq: 13 Sep 2019 21:05

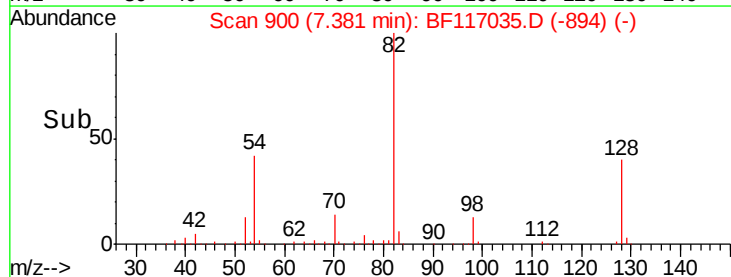
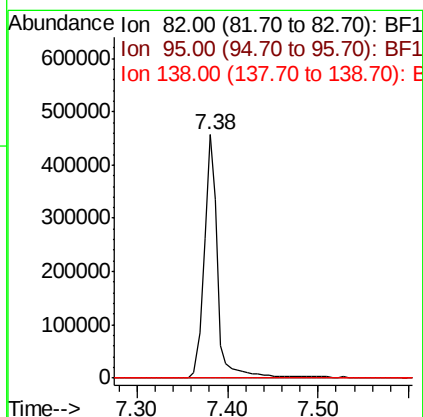
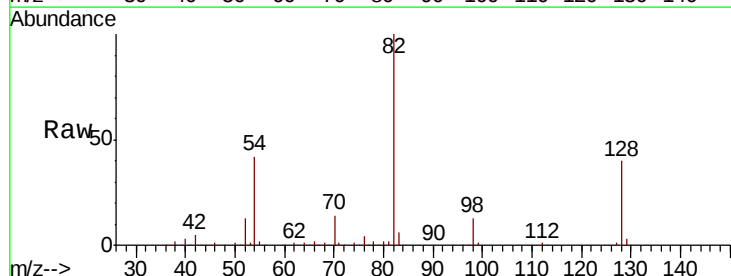
Instrument :
 BNA_F
 ClientSampleId :

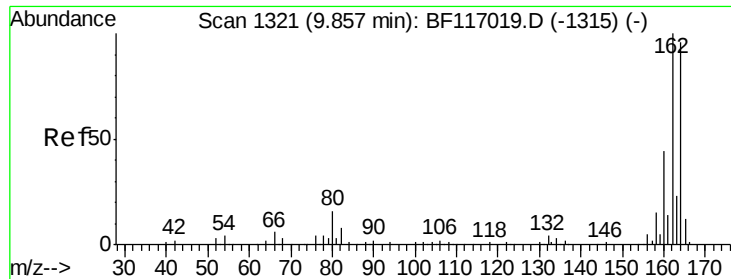
Tot Ion	82	Resp	481159
Ion Ratio	Lower	Upper	
82	100		
128	40.0	32.3	48.5
54	41.8	33.3	49.9



#25
 Isophorone
 Concen: 55.528 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117035.D
 Acq: 13 Sep 2019 21:05

Tgt Ion	82	Resp	477928
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: BF117035.D

Acq: 13 Sep 2019 21:05

Instrument :

BNA_F

ClientSampleId :

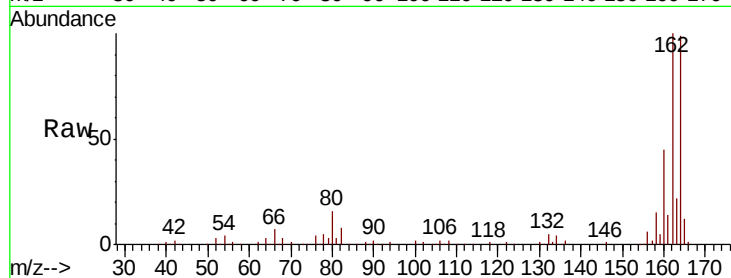
Tot Ion:164 Resp: 135574

Ion Ratio Lower Upper

164 100

162 101.1 83.4 125.2

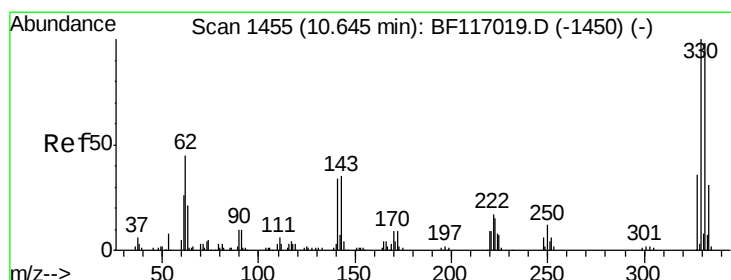
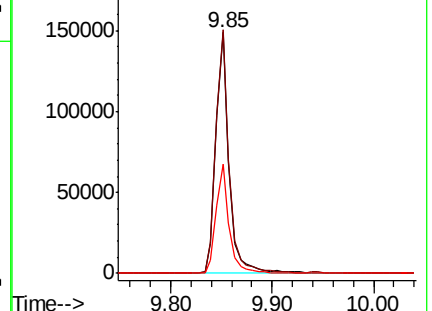
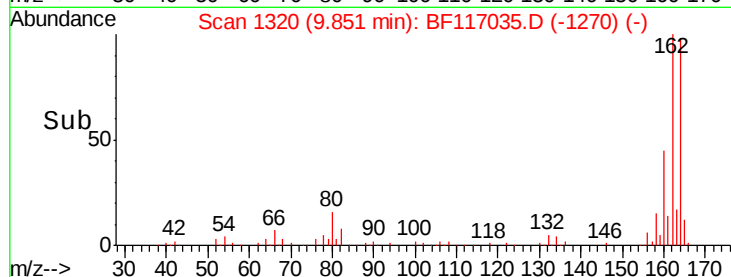
160 45.5 36.4 54.6



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: 147.880 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117035.D

Acq: 13 Sep 2019 21:05

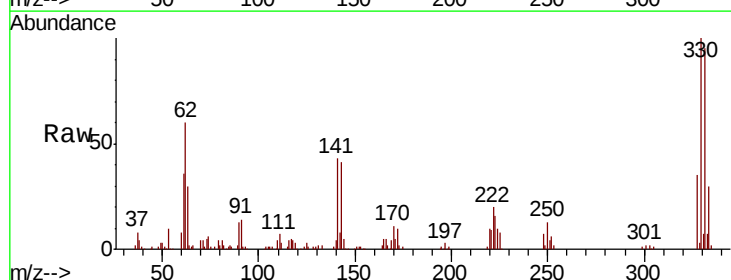
Tgt Ion:330 Resp: 167561

Ion Ratio Lower Upper

330 100

332 95.5 78.0 117.0

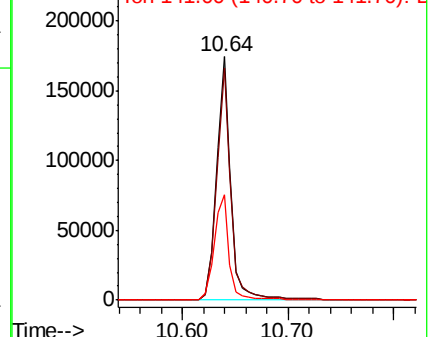
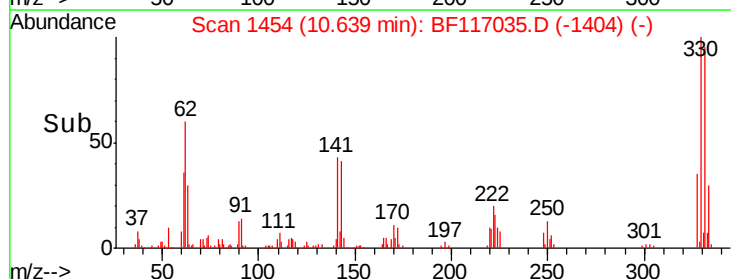
141 45.2 35.8 53.6

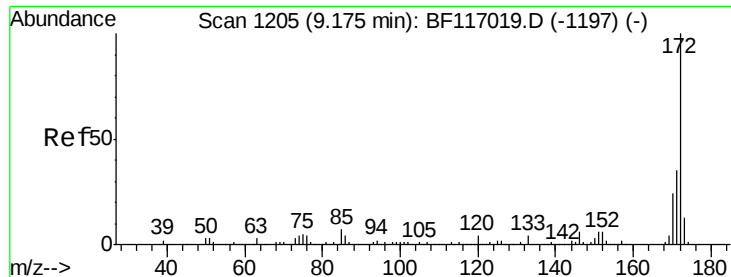


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

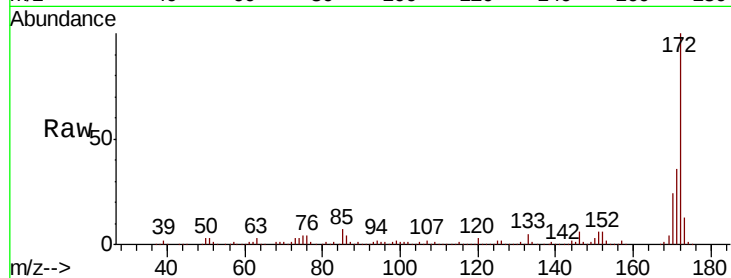




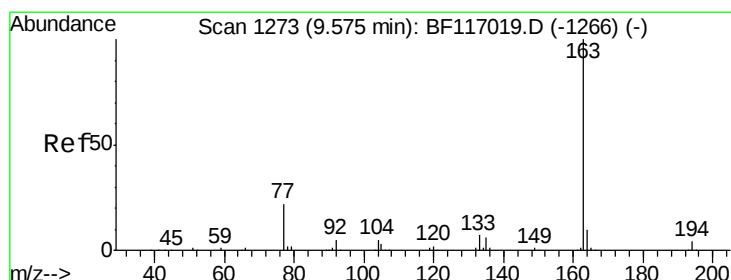
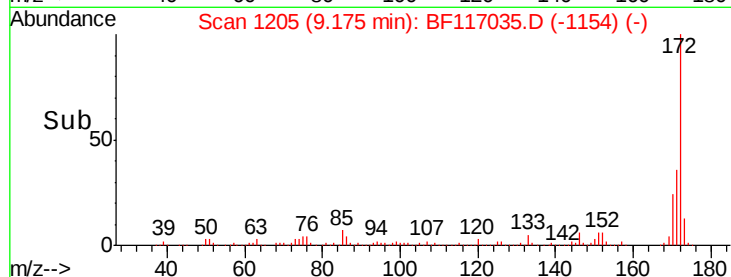
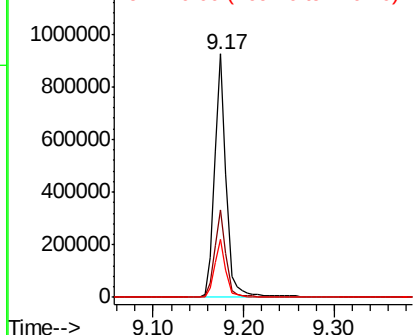
#45
2-Fluorobiphenyl
Concen: 96.264 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117035.D
Acq: 13 Sep 2019 21:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 834686
Ion Ratio Lower Upper
172 100
171 36.2 28.2 42.2
170 24.1 18.9 28.3

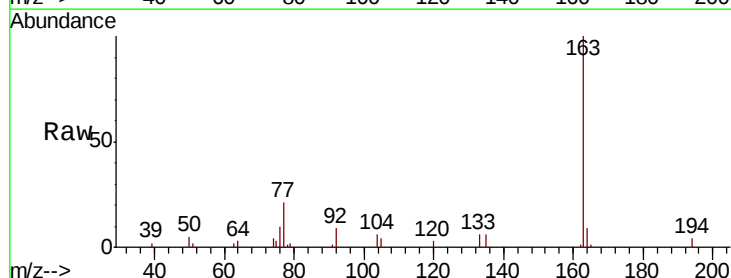


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

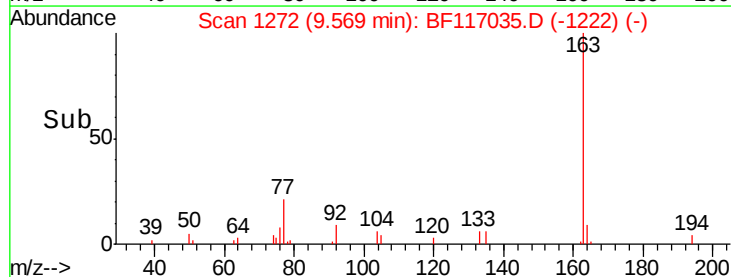
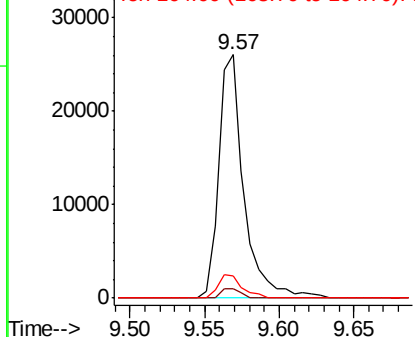


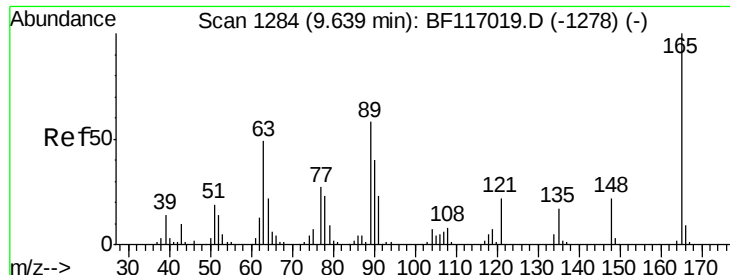
#50
Dimethylphthalate
Concen: 3.205 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117035.D
Acq: 13 Sep 2019 21:05

Tgt Ion:163 Resp: 30768
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 9.0 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

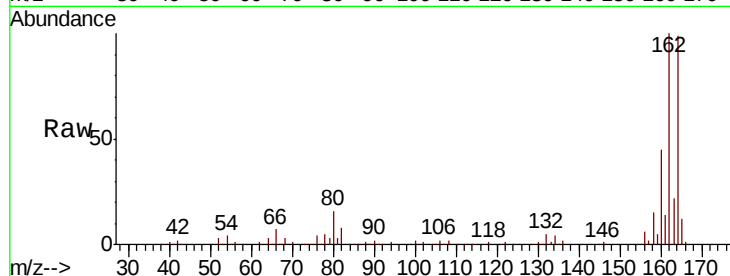




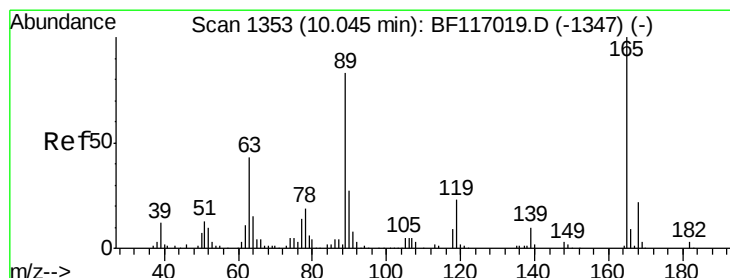
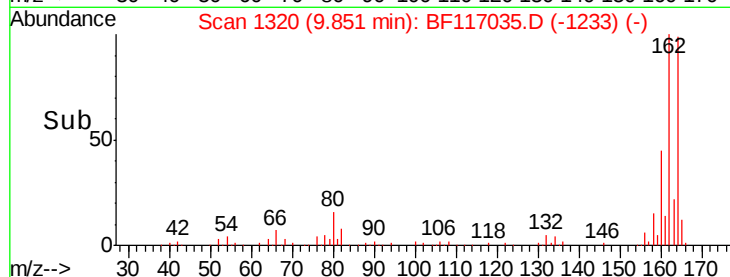
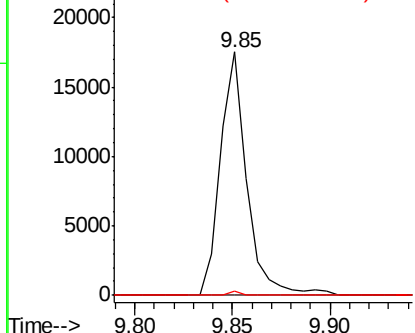
#51
 2,6-Dinitrotoluene
 Concen: 8.449 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117035.D
 Acq: 13 Sep 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	1.7	46.5	69.7#



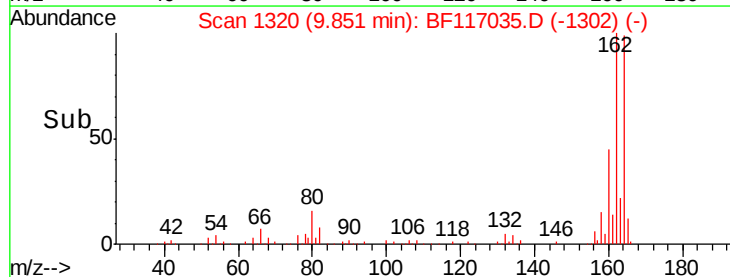
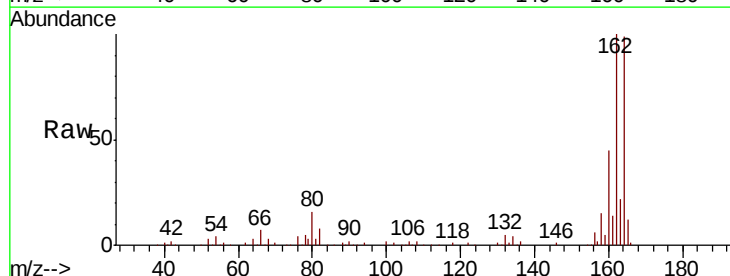
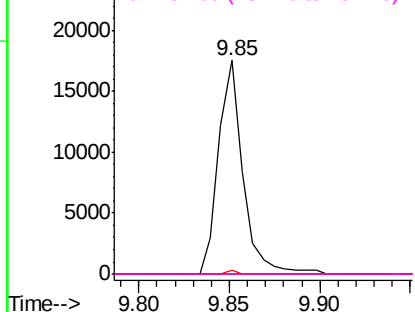
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

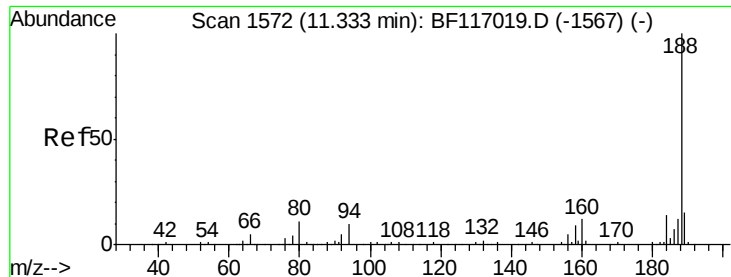


#57
 2,4-Dinitrotoluene
 Concen: 6.510 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117035.D
 Acq: 13 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	1.7	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: BF117035.D

Acq: 13 Sep 2019 21:05

Instrument :

BNA_F

ClientSampleId :

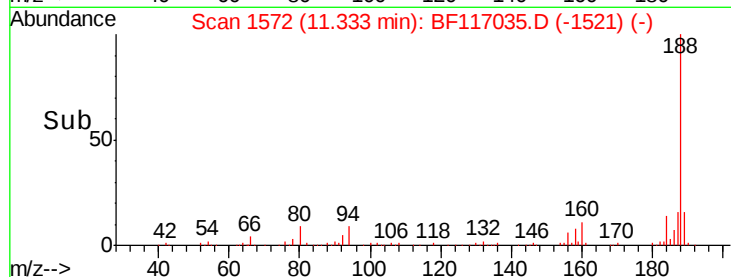
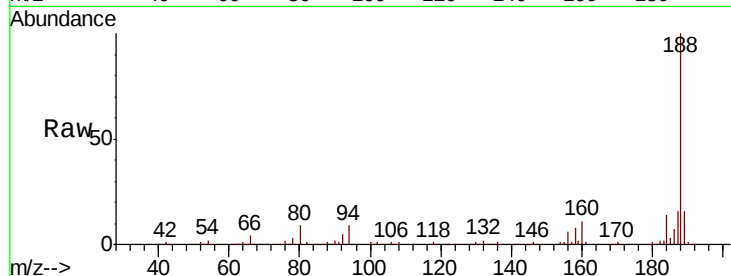
Tot Ion:188 Resp: 223675

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

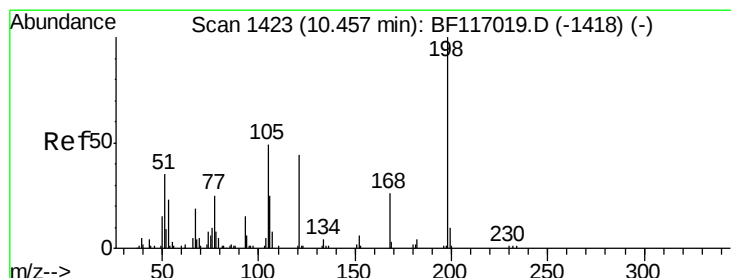
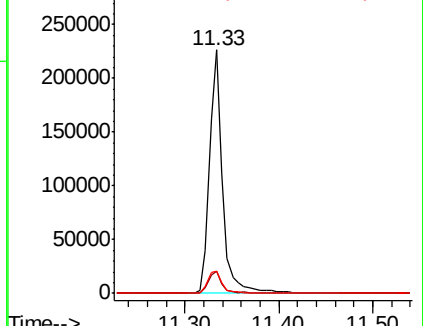
80 9.2 9.0 13.6



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: 7.046 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117035.D

Acq: 13 Sep 2019 21:05

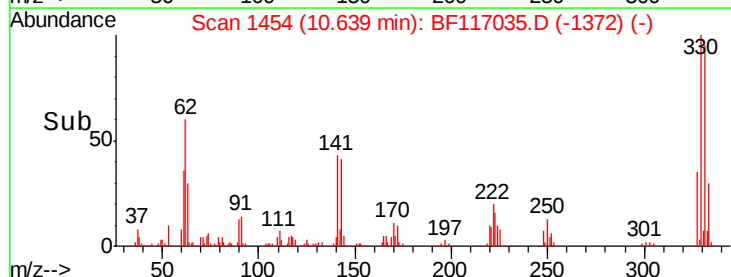
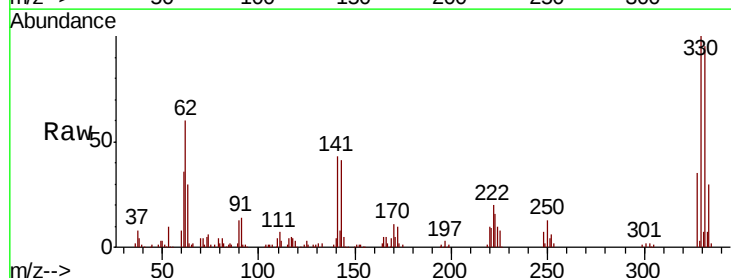
Tgt Ion:198 Resp: 171

Ion Ratio Lower Upper

198 100

51 225.6 18.7 58.7#

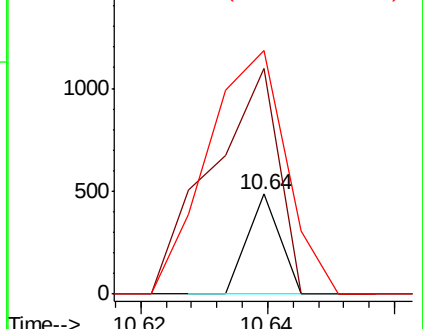
105 243.9 30.2 70.2#



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

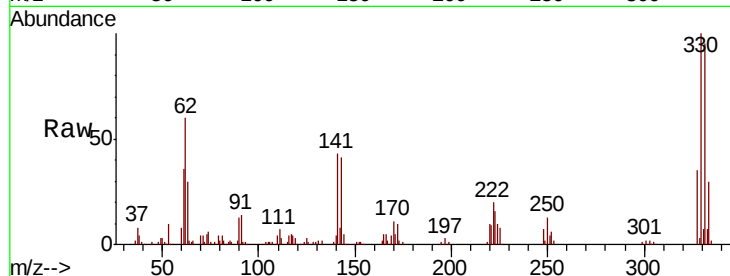




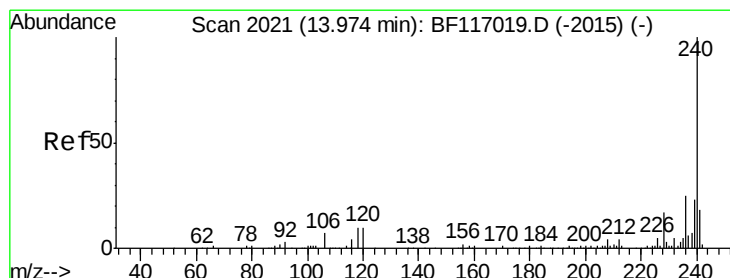
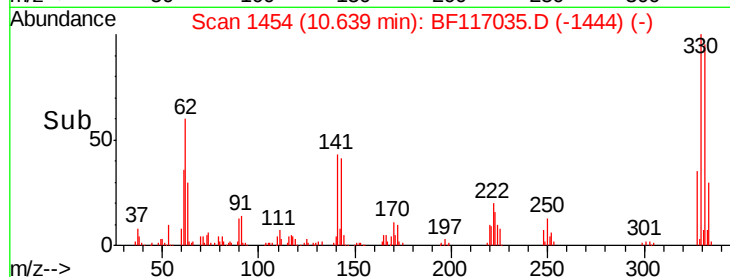
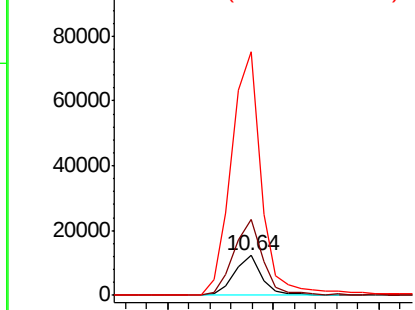
#67
4-Bromophenyl-phenylether
Concen: 4.855 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117035.D
Acq: 13 Sep 2019 21:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11090
Ion Ratio Lower Upper
248 100
250 188.9 76.2 114.4#
141 609.6 75.0 112.4#

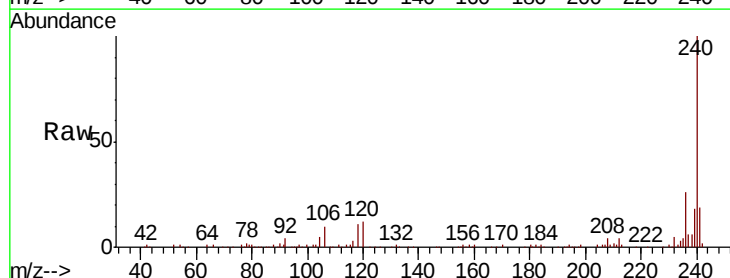


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

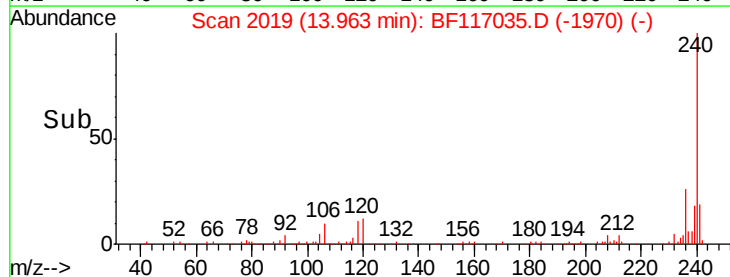
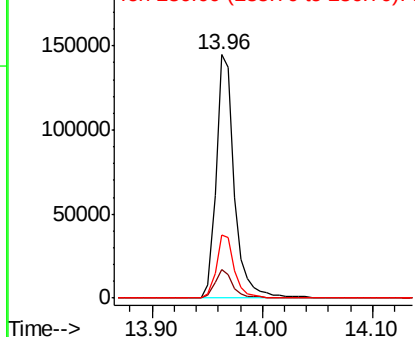


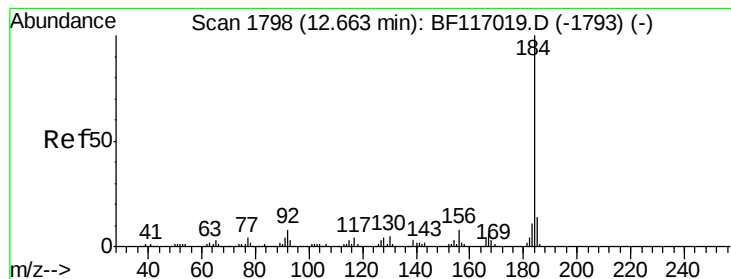
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117035.D
Acq: 13 Sep 2019 21:05

Tgt Ion:240 Resp: 164833
Ion Ratio Lower Upper
240 100
120 11.6 8.3 12.5
236 25.9 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.427 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117035.D

Acq: 13 Sep 2019 21:05

Instrument :

BNA_F

ClientSampleId :

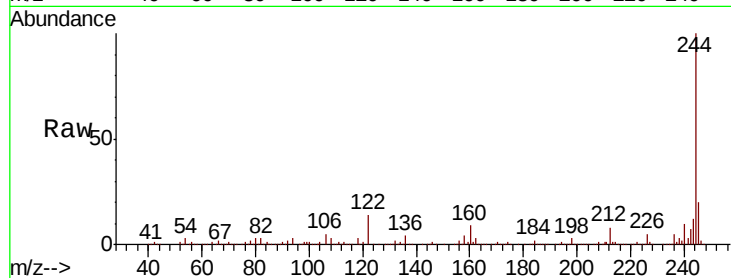
Tot Ion:184 Resp: 12888

Ion Ratio Lower Upper

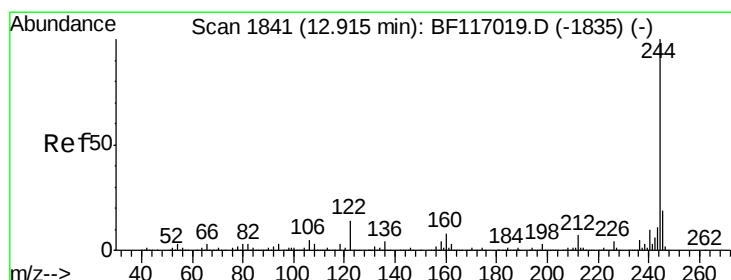
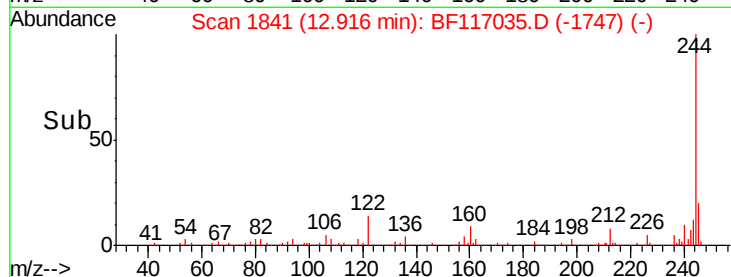
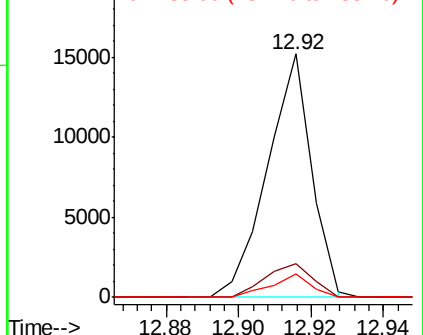
184 100

185 13.7 11.6 17.4

183 9.7 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 94.263 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117035.D

Acq: 13 Sep 2019 21:05

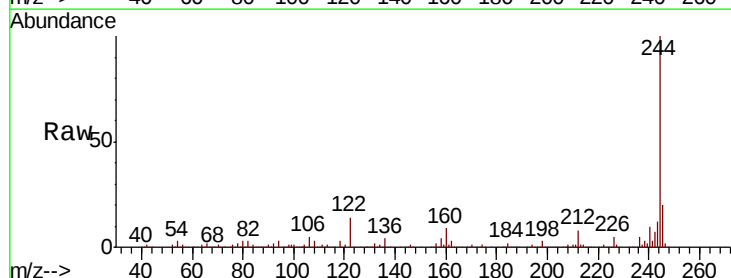
Tgt Ion:244 Resp: 831233

Ion Ratio Lower Upper

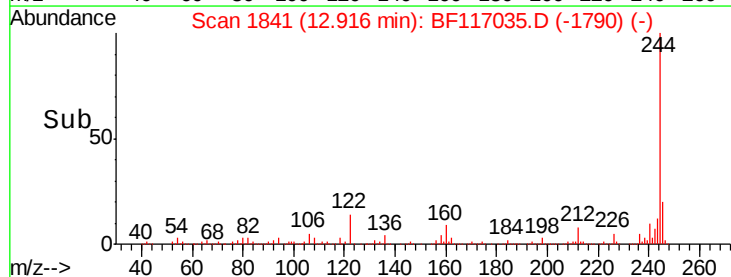
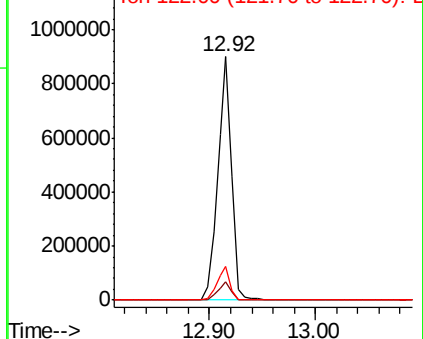
244 100

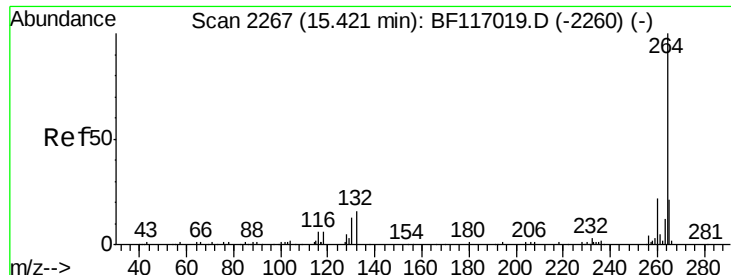
212 7.5 5.8 8.8

122 14.0 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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117035.D
 Acq: 13 Sep 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.6	26.4
265	20.3	16.6	24.8

