

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117052.D
 Acq On : 16 Sep 2019 10:22
 Operator : HP/JU
 Sample : PB123054BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 16 11:38:46 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	79736	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	315082	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	162786	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	274876	20.00	ng	0.00
76) Chrysene-d12	13.96	240	182079	20.00	ng	-0.01
87) Perylene-d12	15.41	264	142715	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	611049	119.64	ng	0.02
7) Phenol-d6	6.46	99	818584	124.02	ng	0.00
23) Nitrobenzene-d5	7.39	82	533305	88.93	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	178381	131.11	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	946120	90.88	ng	0.00
79) Terphenyl-d14	12.92	244	952370	97.77	ng	0.00

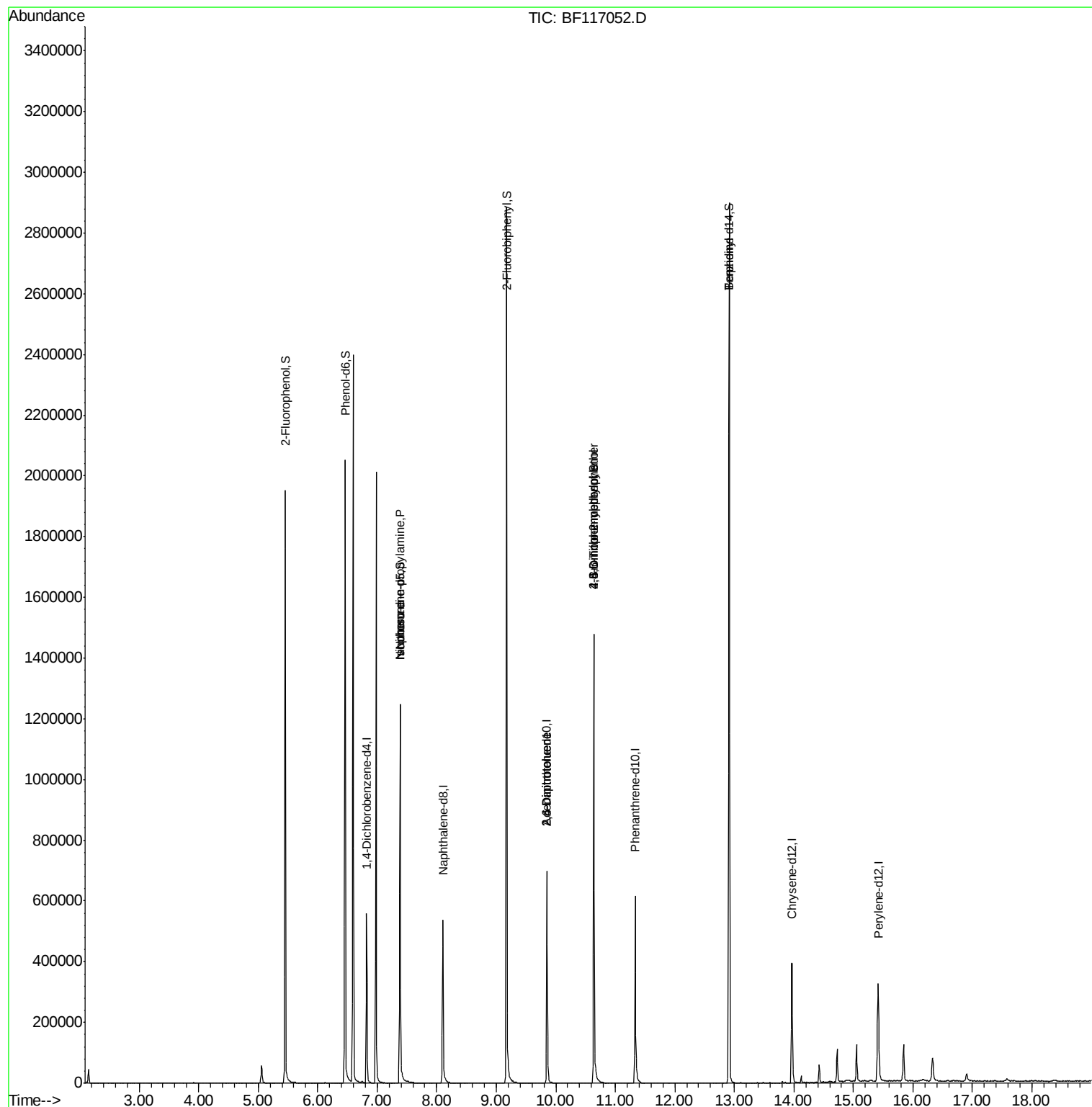
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	1118	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	70649	17.578	ng	# 77
25) Isophorone	7.39	82	521859	49.150	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	21326	9.085	ng	# 25
57) 2,4-Dinitrotoluene	9.85	165	21326	6.999	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	329	7.127	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	11487	4.092	ng	# 1
77) Benzidine	12.92	184	13572	2.314	ng	97

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

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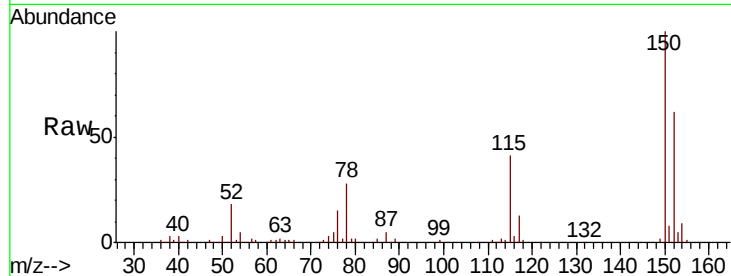


#1

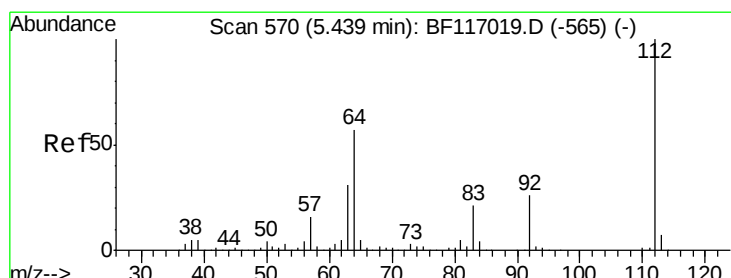
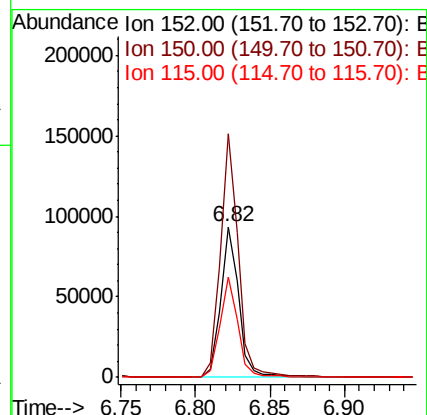
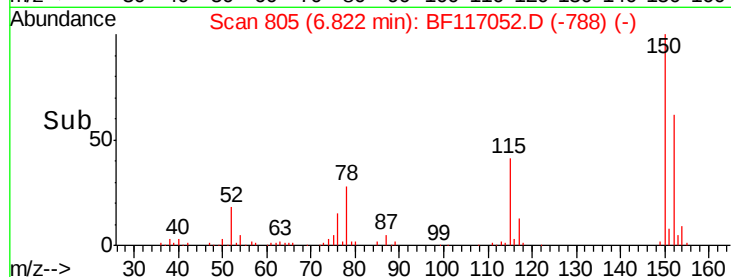
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117052.D
Acq: 16 Sep 2019 10:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79736
Ion Ratio Lower Upper
152 100
150 161.7 127.5 191.3
115 66.5 55.0 82.4



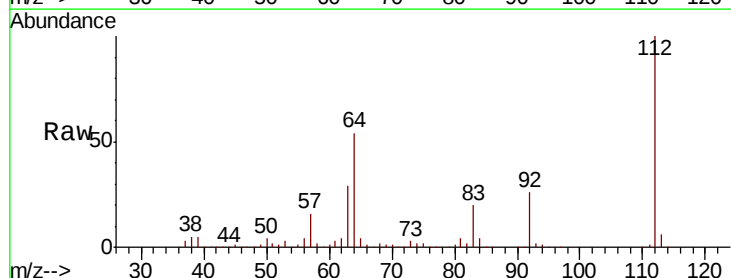
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



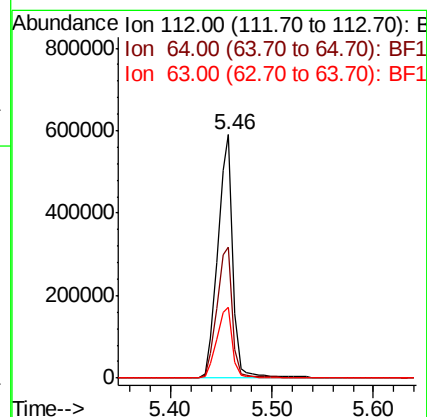
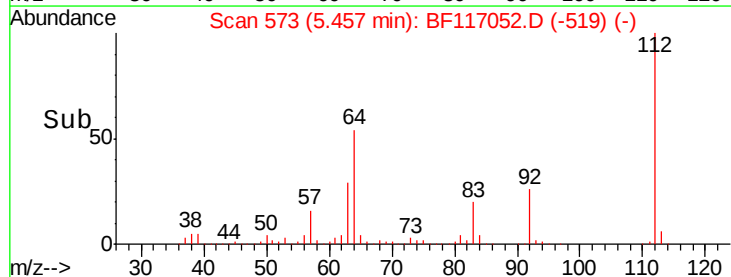
#5

2-Fluorophenol
Concen: 119.645 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117052.D
Acq: 16 Sep 2019 10:22

Tgt Ion:112 Resp: 611049
Ion Ratio Lower Upper
112 100
64 54.0 45.7 68.5
63 29.2 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: 124.022 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117052.D

Acq: 16 Sep 2019 10:22

Instrument :

BNA_F

ClientSampled :

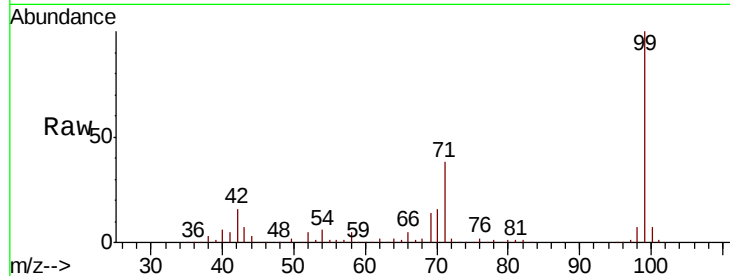
Tot Ion: 99 Resp: 818584

Ion Ratio Lower Upper

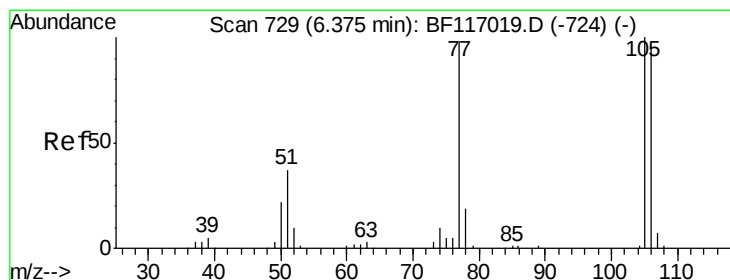
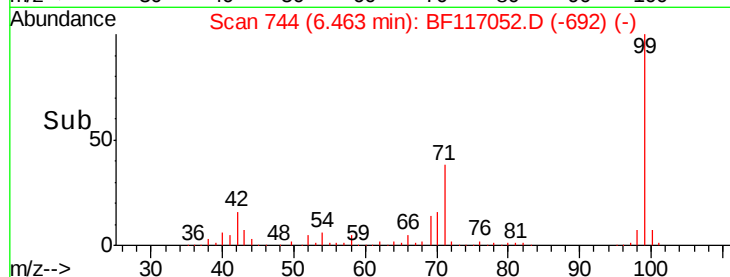
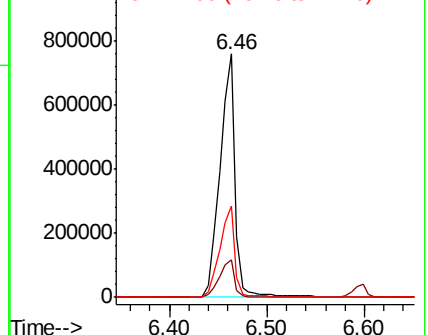
99 100

42 15.5 12.2 18.2

71 37.5 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: BF117052.D

Acq: 16 Sep 2019 10:22

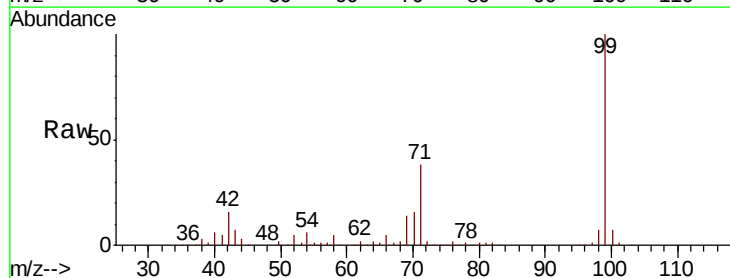
Tgt Ion: 77 Resp: 1118

Ion Ratio Lower Upper

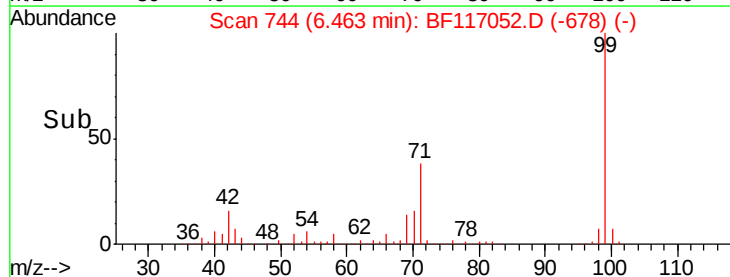
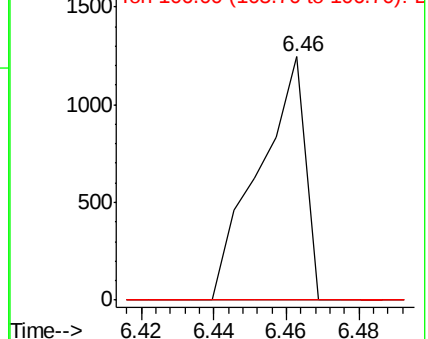
77 100

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

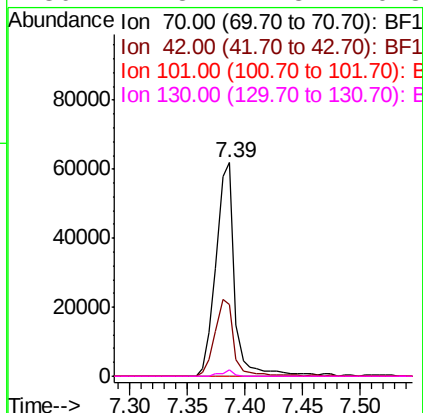
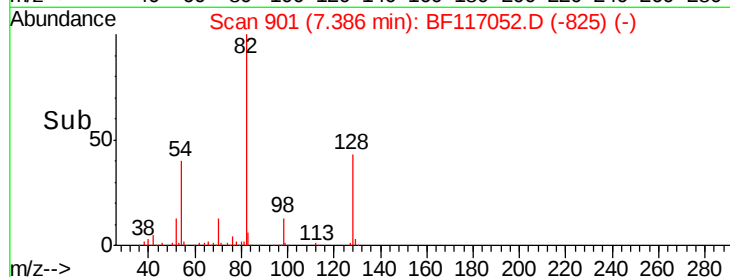
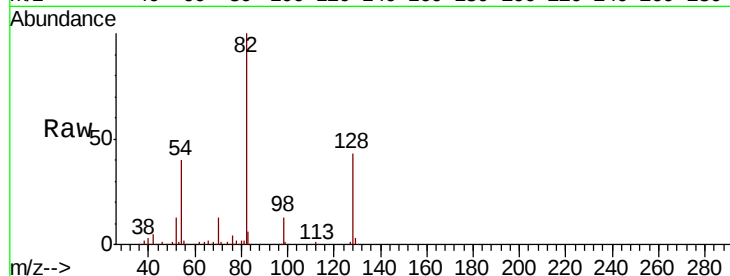




#19
n-Nitroso-di-n-propylamine
Concen: 17.578 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117052.D
Acq: 16 Sep 2019 10:22

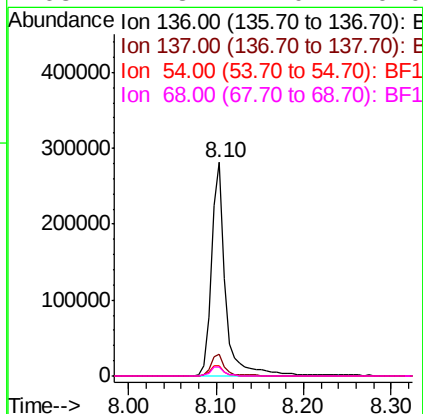
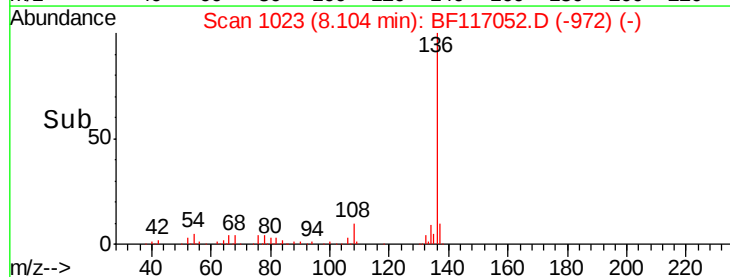
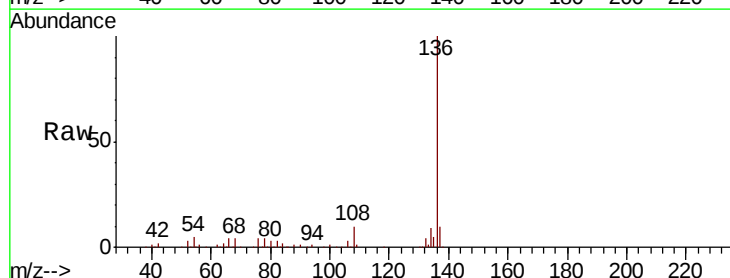
Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 70649
Ion Ratio Lower Upper
70 100
42 33.9 34.0 51.0#
101 0.0 7.8 11.6#
130 2.8 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: BF117052.D
Acq: 16 Sep 2019 10:22

Tgt Ion: 136 Resp: 315082
Ion Ratio Lower Upper
136 100
137 10.3 9.0 13.4
54 4.7 4.5 6.7
68 4.3 4.0 6.0

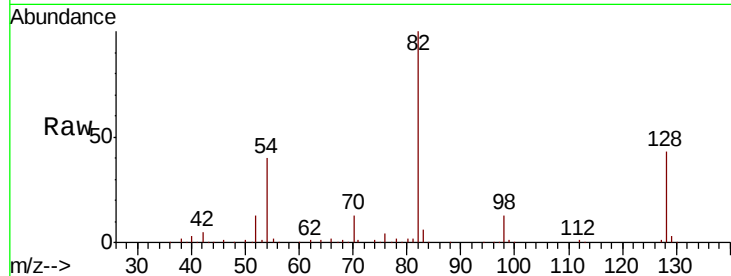




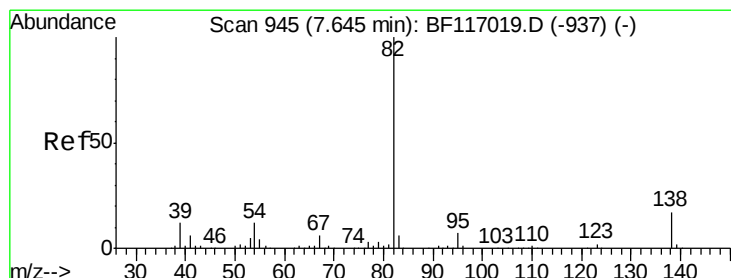
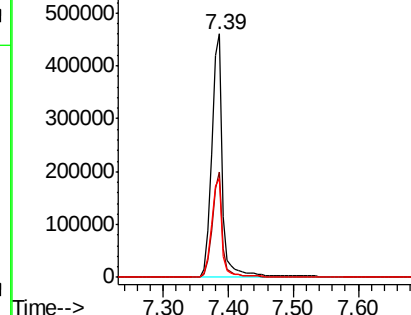
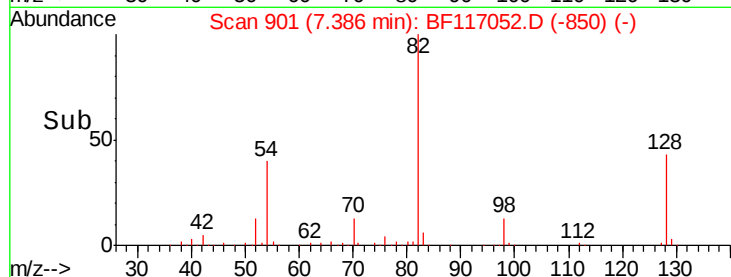
#23
 Nitrobenzene-d5
 Concen: 88.933 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117052.D
 Acq: 16 Sep 2019 10:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.3	32.3	48.5
54	40.5	33.3	49.9

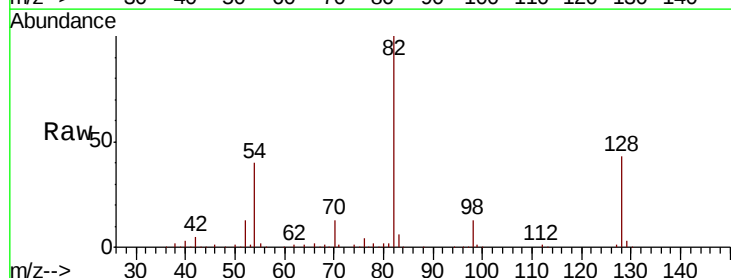


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

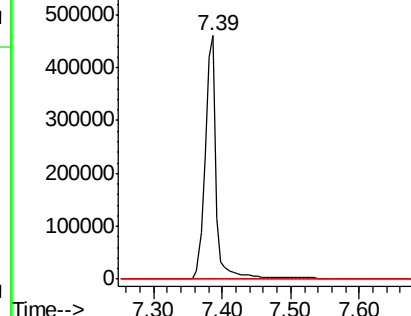
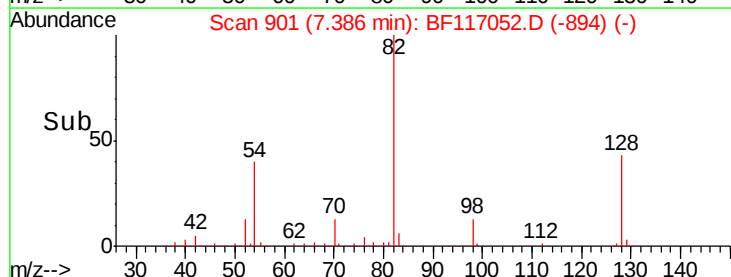


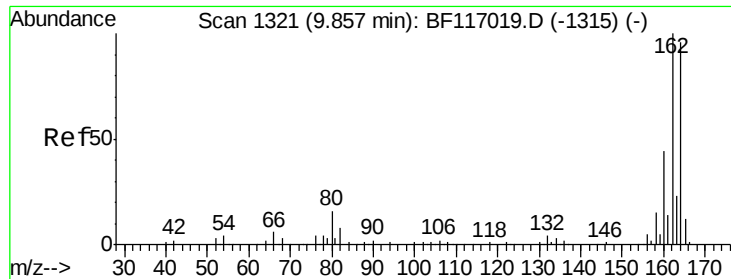
#25
 Isophorone
 Concen: 49.150 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117052.D
 Acq: 16 Sep 2019 10:22

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



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117052.D

Acq: 16 Sep 2019 10:22

Instrument :

BNA_F

ClientSampled :

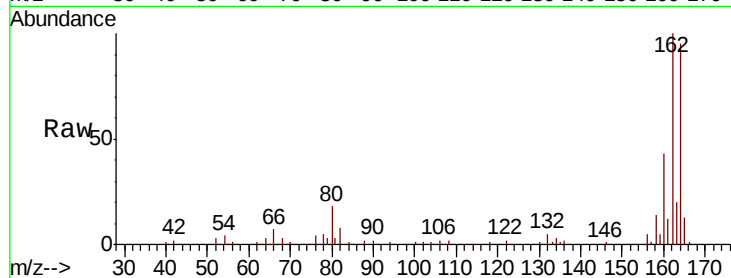
Tot Ion:164 Resp: 162786

Ion Ratio Lower Upper

164 100

162 105.6 83.4 125.2

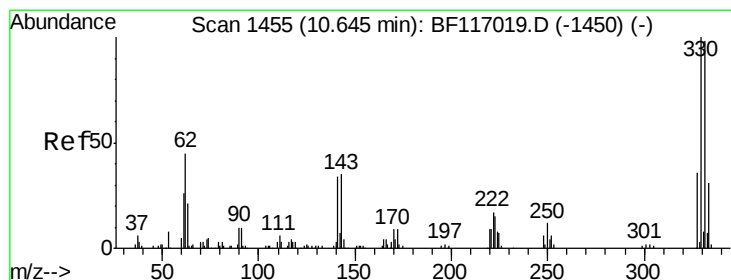
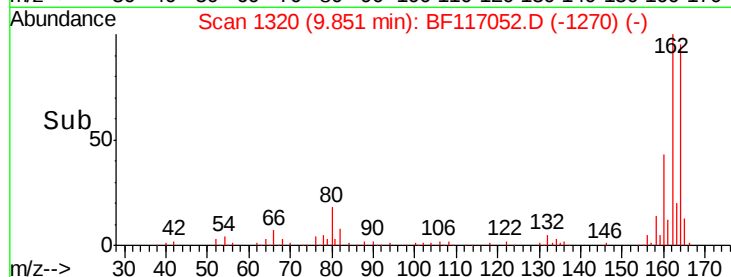
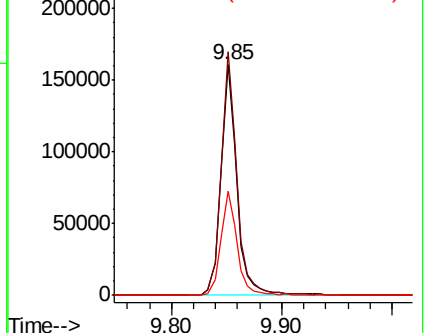
160 45.2 36.4 54.6



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: 131.113 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117052.D

Acq: 16 Sep 2019 10:22

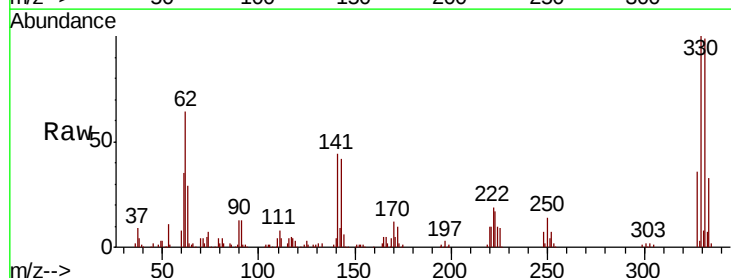
Tgt Ion:330 Resp: 178381

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

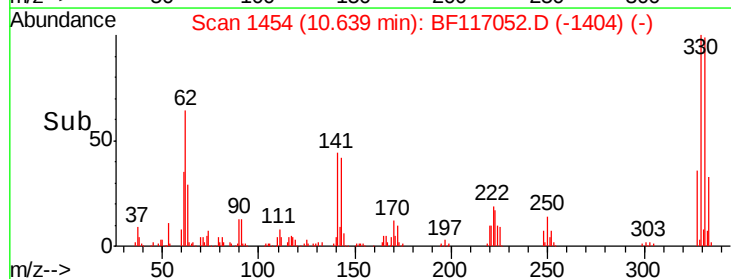
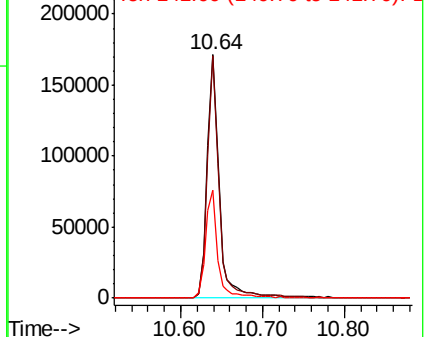
141 44.3 35.8 53.6



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

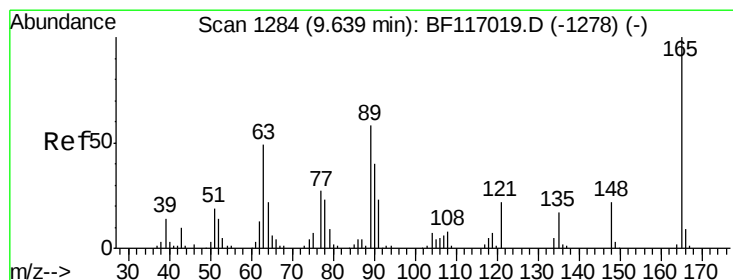
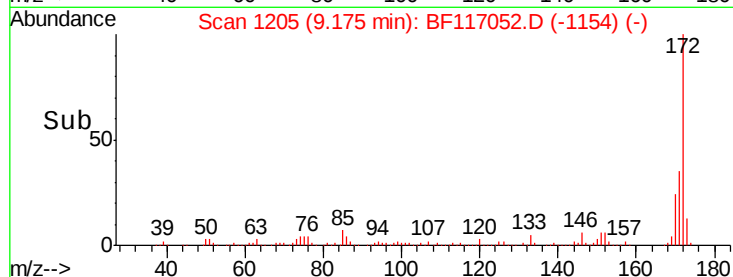
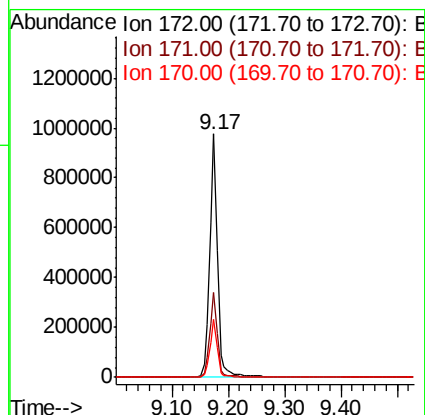
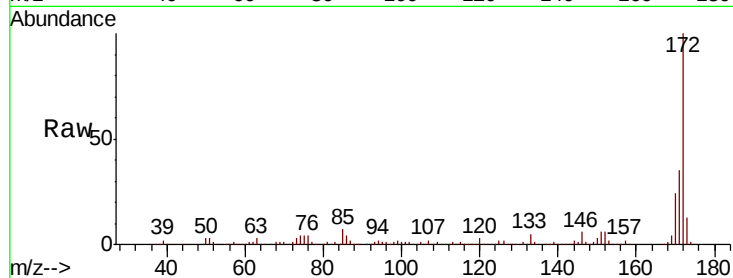




#45
 2-Fluorobiphenyl
 Concen: 90.876 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117052.D
 Acq: 16 Sep 2019 10:22

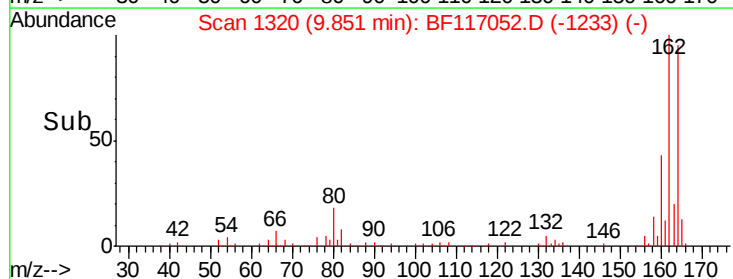
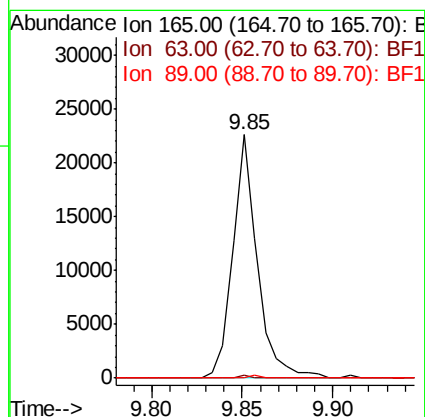
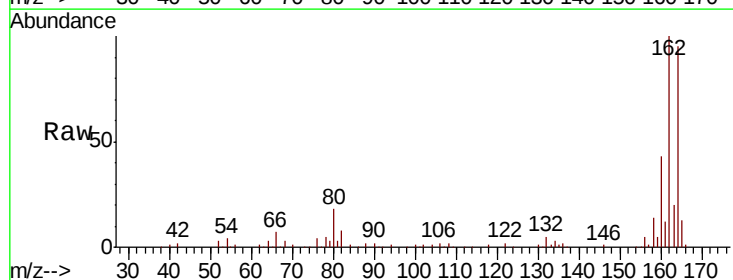
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 946120
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.2 42.2
 170 23.7 18.9 28.3



#51
 2,6-Dinitrotoluene
 Concen: 9.085 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117052.D
 Acq: 16 Sep 2019 10:22

Tgt Ion:165 Resp: 21326
 Ion Ratio Lower Upper
 165 100
 63 1.5 41.8 62.8#
 89 0.0 46.5 69.7#

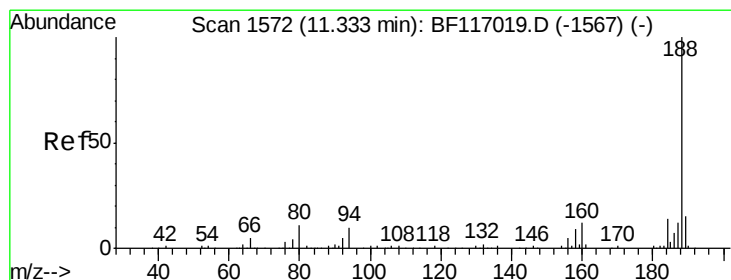
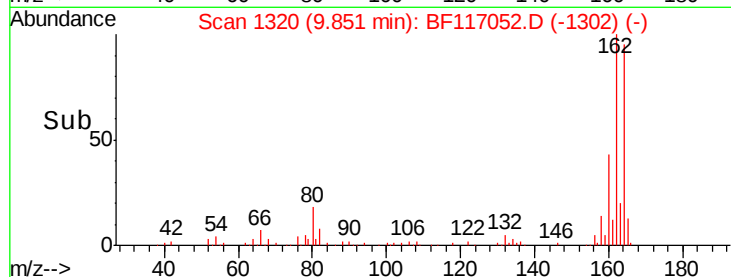
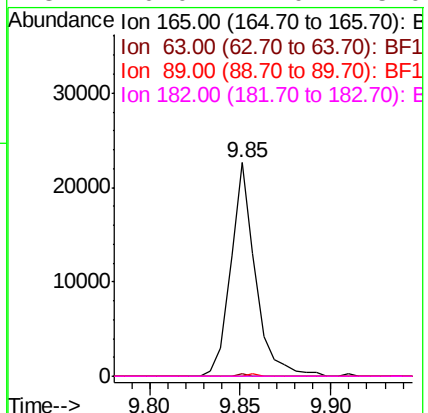
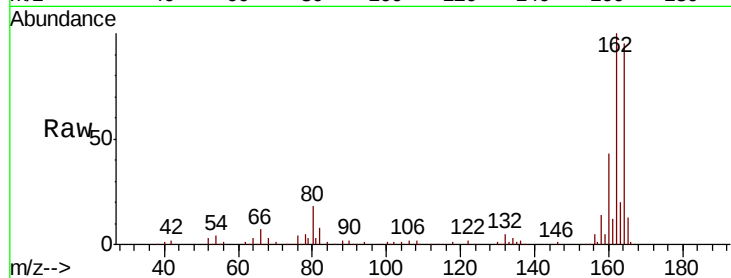




#57
 2,4-Dinitrotoluene
 Concen: 6.999 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117052.D
 Acq: 16 Sep 2019 10:22

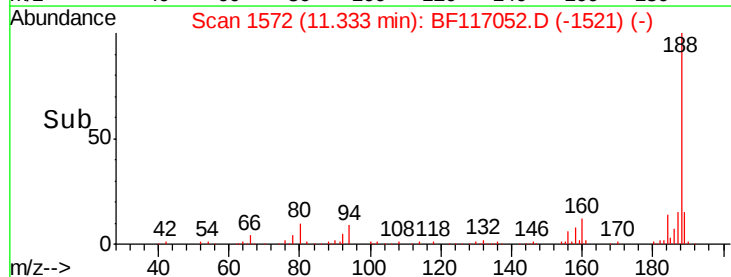
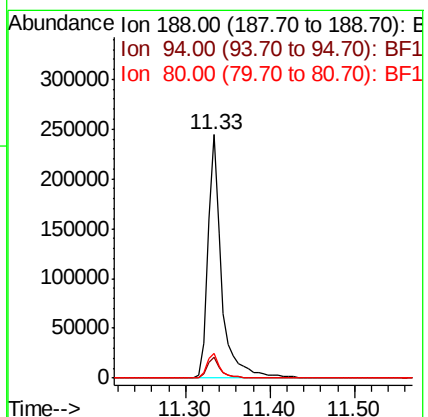
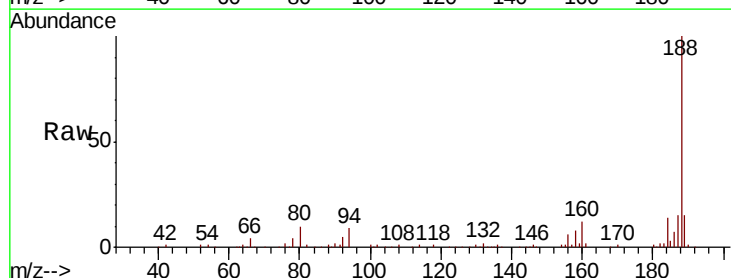
Instrument :
 BNA_F
 ClientSampleId :

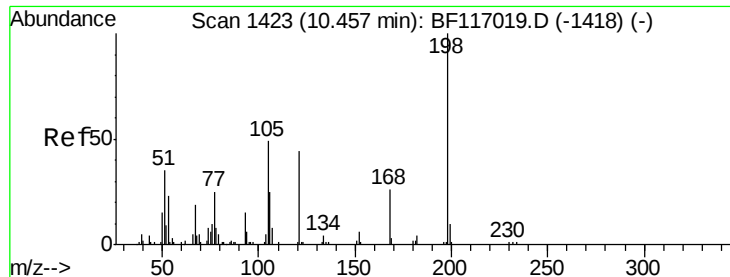
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117052.D
 Acq: 16 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	10.0	9.0	13.6

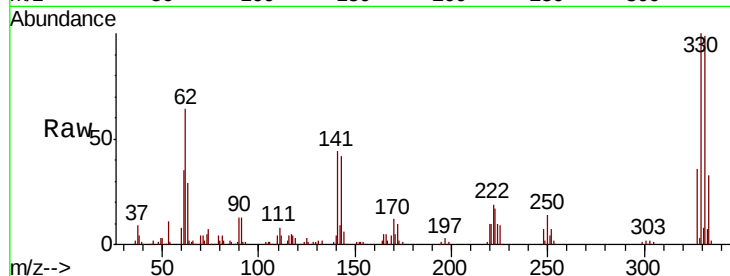




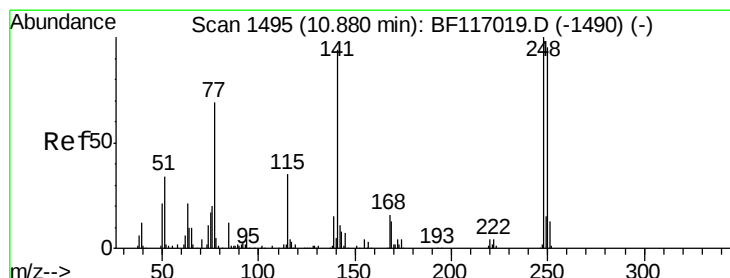
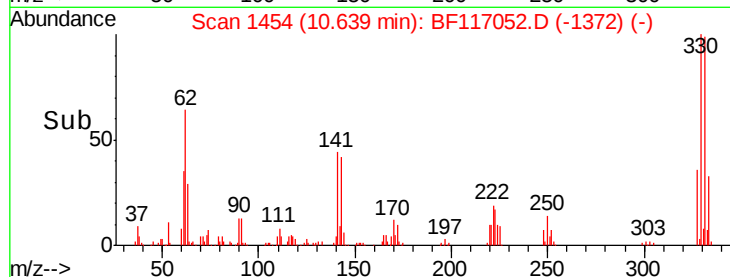
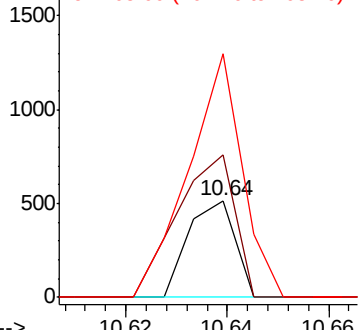
#65
4,6-Dinitro-2-methylphenol
Concen: 7.127 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117052.D
Acq: 16 Sep 2019 10:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 329
Ion Ratio Lower Upper
198 100
51 147.3 18.7 58.7#
105 251.4 30.2 70.2#

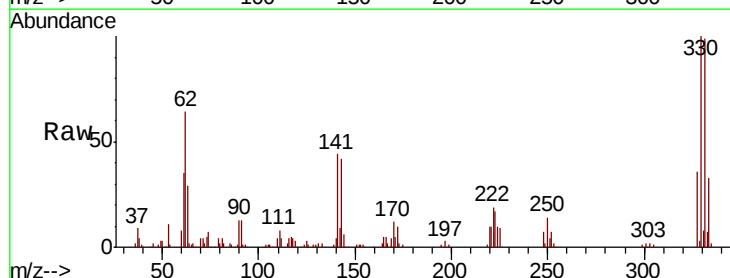


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

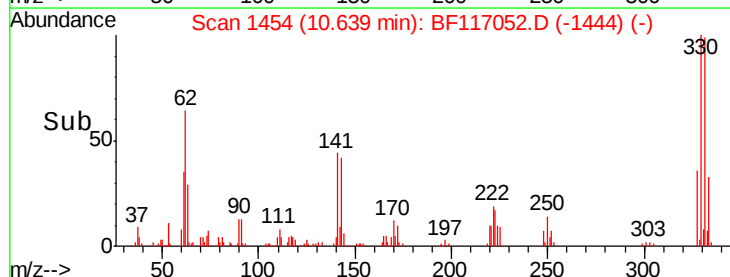
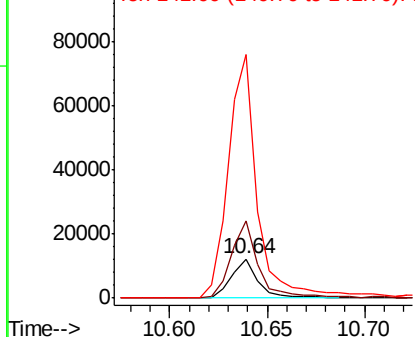


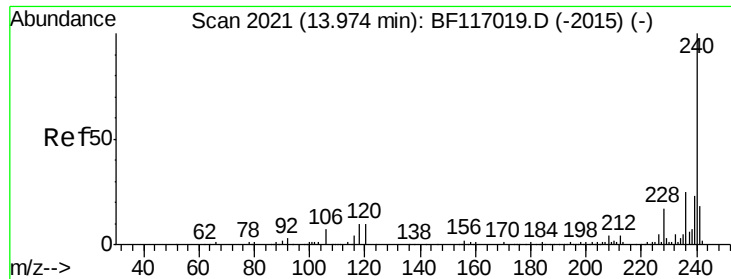
#67
4-Bromophenyl-phenylether
Concen: 4.092 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117052.D
Acq: 16 Sep 2019 10:22

Tgt Ion:248 Resp: 11487
Ion Ratio Lower Upper
248 100
250 199.4 76.2 114.4#
141 627.0 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

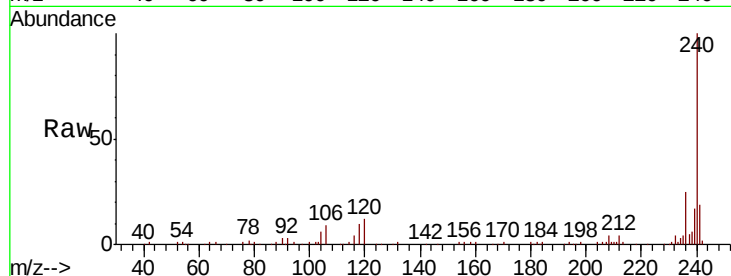




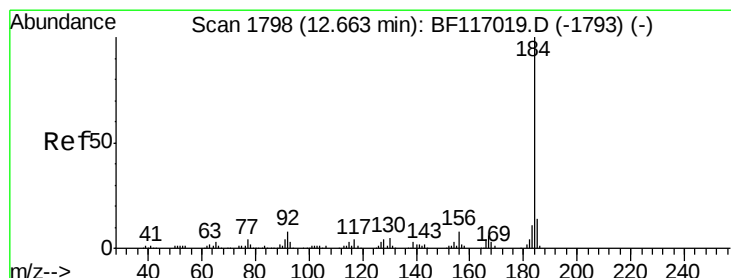
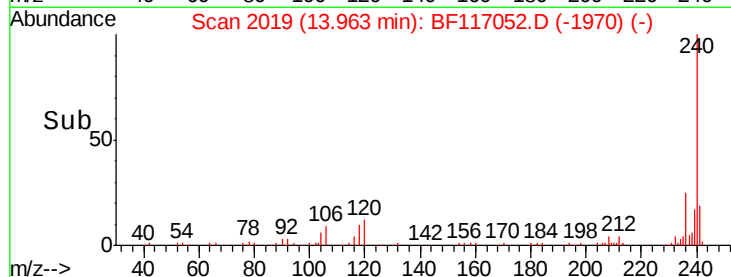
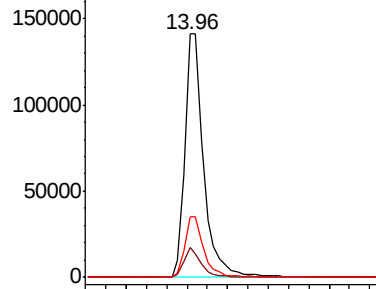
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117052.D
Acq: 16 Sep 2019 10:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 182079
Ion Ratio Lower Upper
240 100
120 12.2 8.3 12.5
236 24.7 20.3 30.5

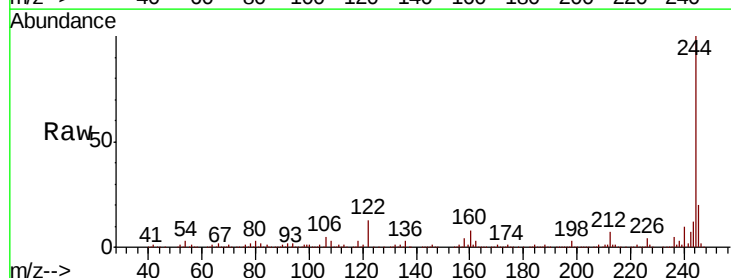


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

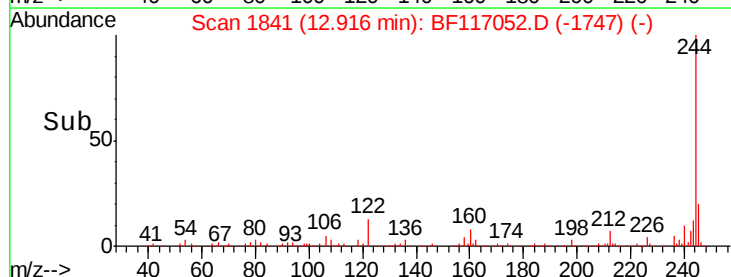
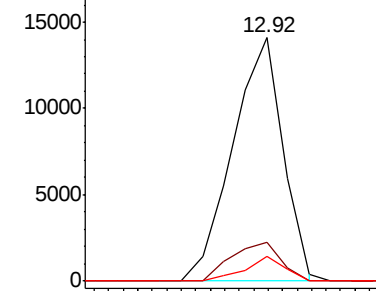


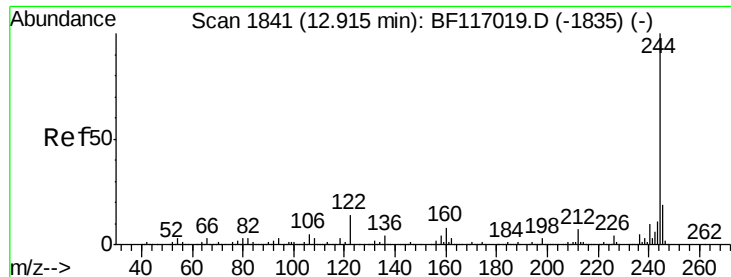
#77
Benzidine
Concen: 2.314 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117052.D
Acq: 16 Sep 2019 10:22

Tgt Ion:184 Resp: 13572
Ion Ratio Lower Upper
184 100
185 15.9 11.6 17.4
183 10.1 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

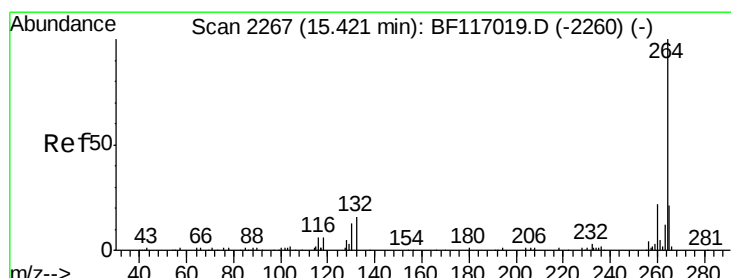
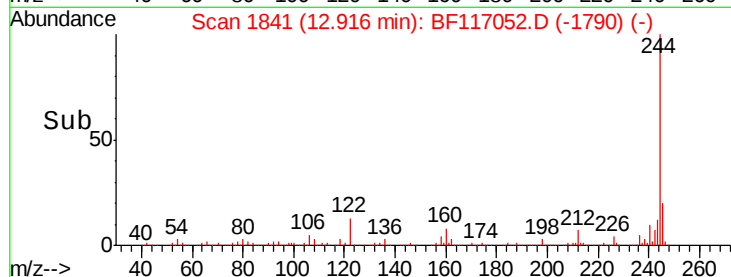
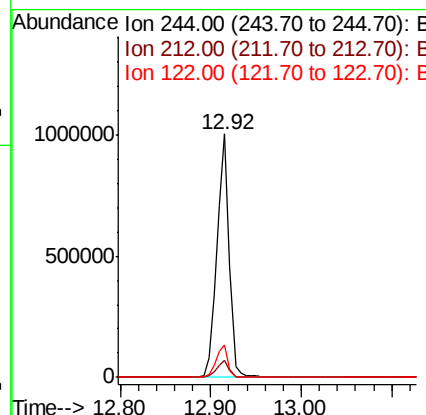
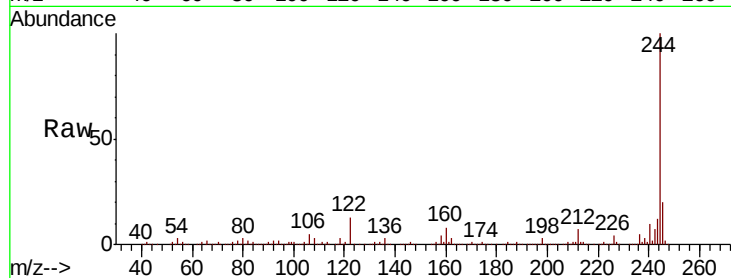




#79
 Terphenyl-d14
 Concen: 97.770 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117052.D
 Acq: 16 Sep 2019 10:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 952370
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 13.5 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117052.D
 Acq: 16 Sep 2019 10:22

Tgt Ion:264 Resp: 142715
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.6 26.4
 265 21.6 16.6 24.8

