

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117054.D
 Acq On : 16 Sep 2019 11:18
 Operator : HP/JU
 Sample : K4663-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 16 14:57:02 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	69560	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	278427	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	142035	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	236793	20.00	ng	0.00
76) Chrysene-d12	13.96	240	189544	20.00	ng	-0.01
87) Perylene-d12	15.42	264	176244	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	442059	99.22	ng	0.01
7) Phenol-d6	6.46	99	545669	94.77	ng	0.00
23) Nitrobenzene-d5	7.38	82	409900	77.35	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	149785	126.18	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	718908	79.14	ng	0.00
79) Terphenyl-d14	12.92	244	753479	74.31	ng	0.00

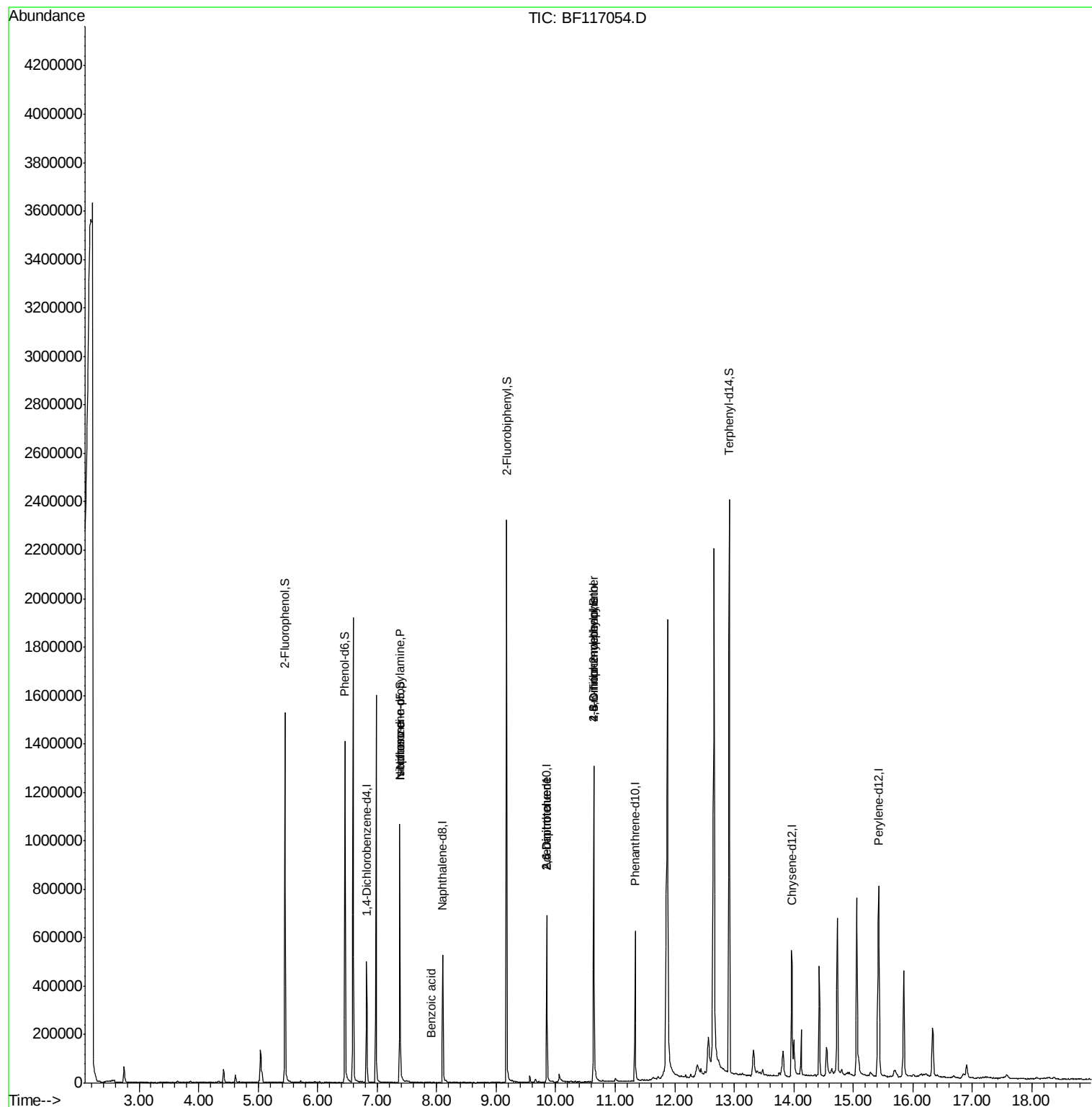
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	803	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.38	70	55184	15.739	ng	# 80
25) Isophorone	7.38	82	409897	43.688	ng	# 66
32) Benzoic acid	7.90	122	248	6.673	ng	# 34
51) 2,6-Dinitrotoluene	9.85	165	18111	8.842	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	18111	6.812	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	155	7.025	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	9667	3.998	ng	# 1

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

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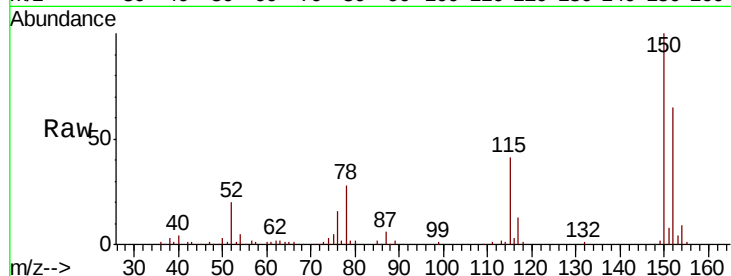


#1

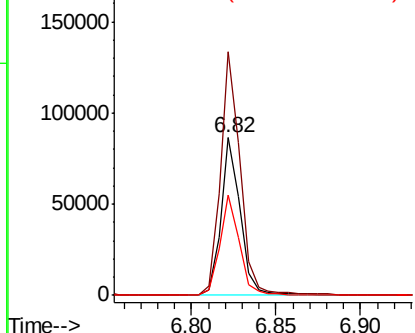
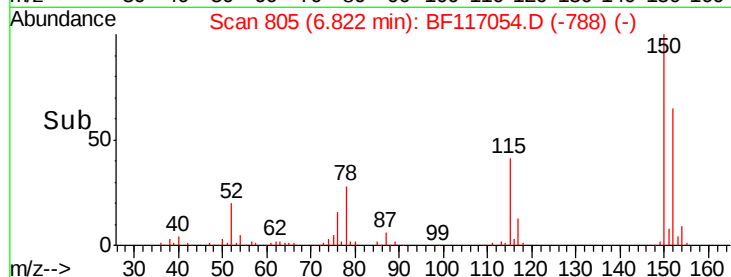
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117054.D
Acq: 16 Sep 2019 11:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 69560
Ion Ratio Lower Upper
152 100
150 154.8 127.5 191.3
115 63.9 55.0 82.4



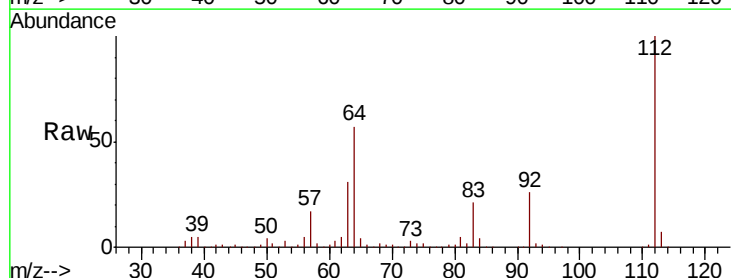
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



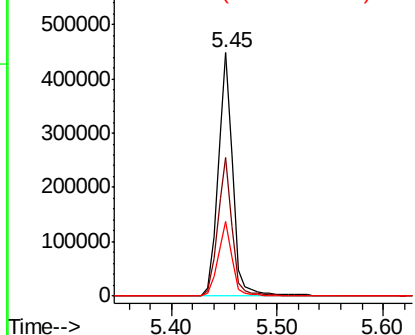
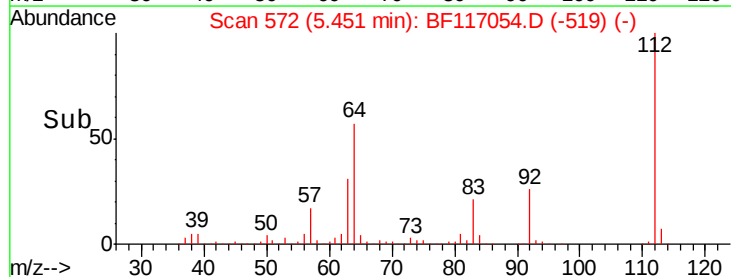
#5

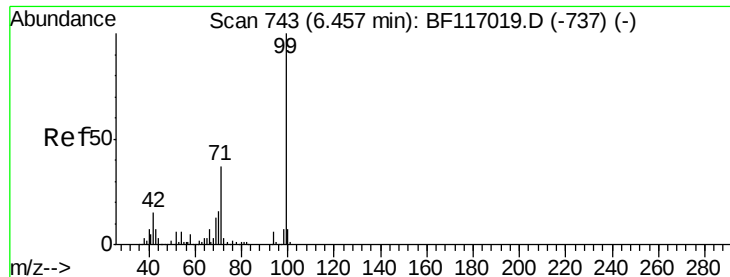
2-Fluorophenol
Concen: 99.218 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117054.D
Acq: 16 Sep 2019 11:18

Tgt Ion:112 Resp: 442059
Ion Ratio Lower Upper
112 100
64 57.2 45.7 68.5
63 30.7 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: 94.767 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117054.D

Acq: 16 Sep 2019 11:18

Instrument :

BNA_F

ClientSampleId :

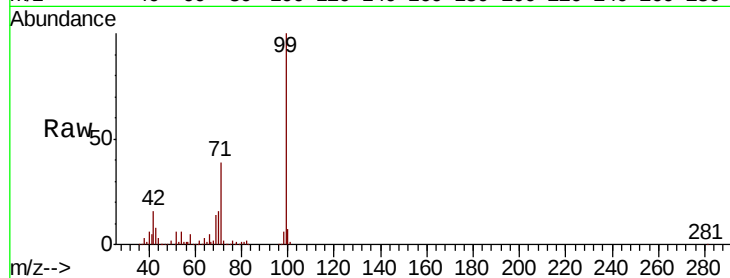
Tot Ion: 99 Resp: 545669

Ion Ratio Lower Upper

99 100

42 16.3 12.2 18.2

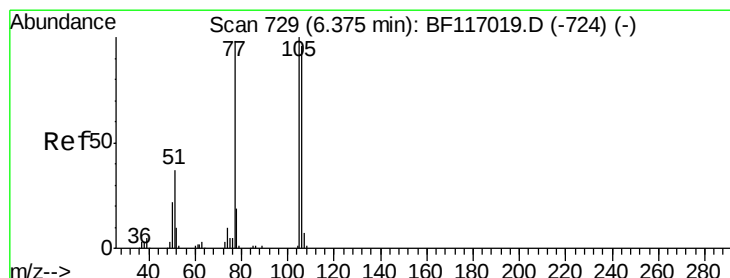
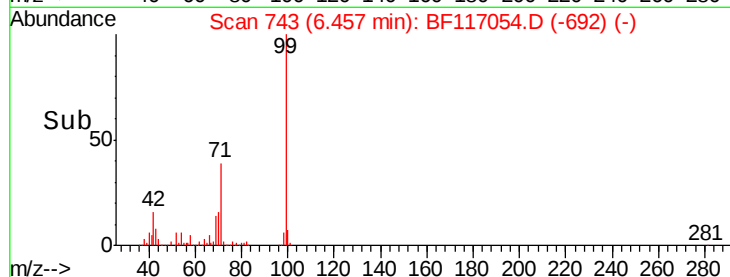
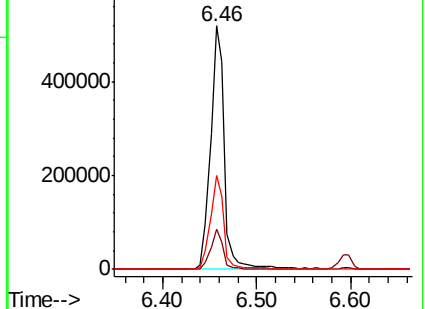
71 38.7 29.8 44.8



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# 743

Delta R.T. 0.08 min

Lab File: BF117054.D

Acq: 16 Sep 2019 11:18

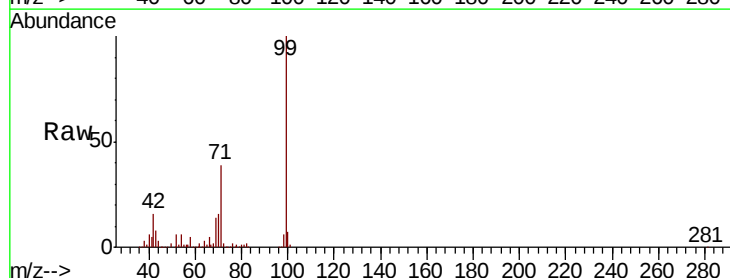
Tgt Ion: 77 Resp: 803

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

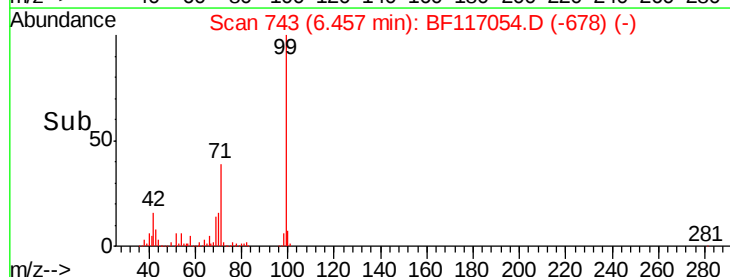
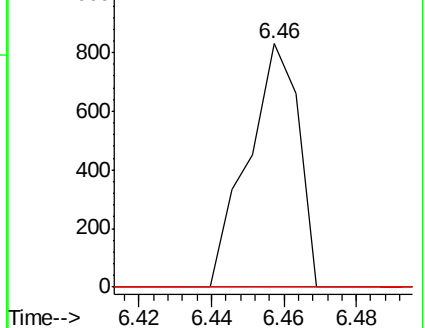
106 0.0 77.3 117.3#



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: 15.739 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117054.D

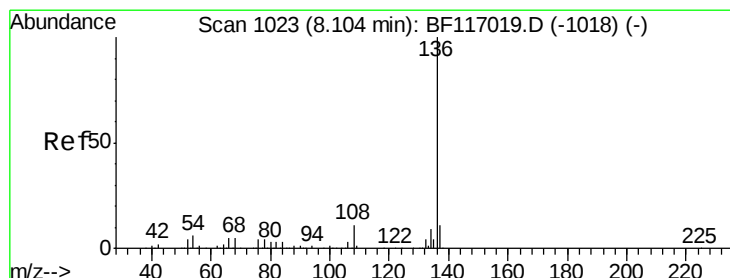
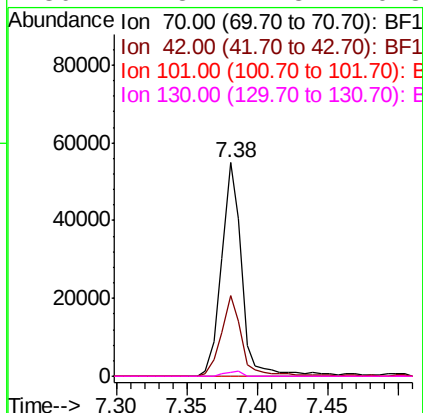
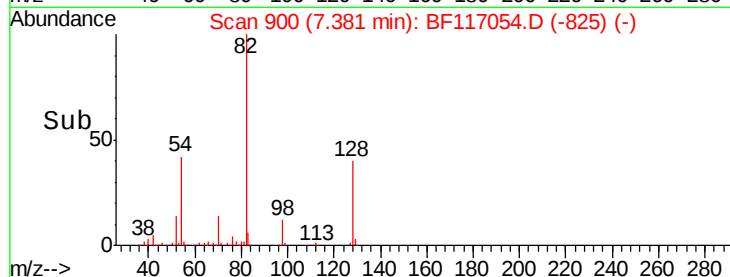
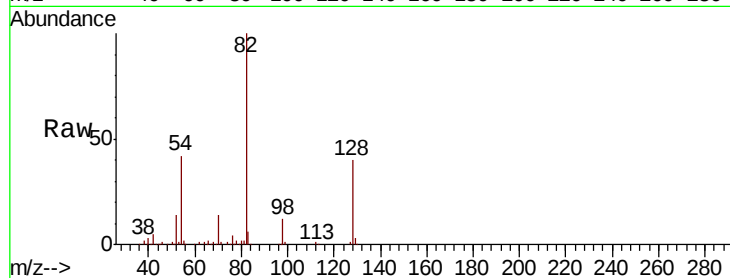
Acq: 16 Sep 2019 11:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	55184
Ion	Ratio	Lower	Upper
70	100		
42	37.8	34.0	51.0
101	0.0	7.8	11.6#
130	1.8	17.8	26.8#



#21

Naphthalene-d8

Concen: 20.000 ng

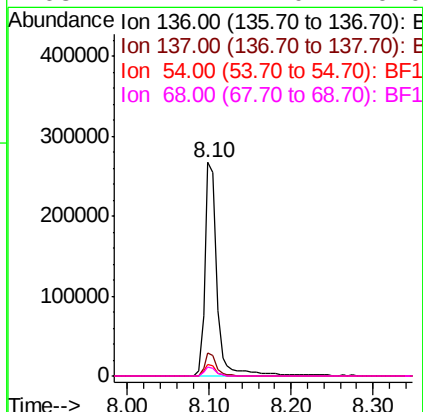
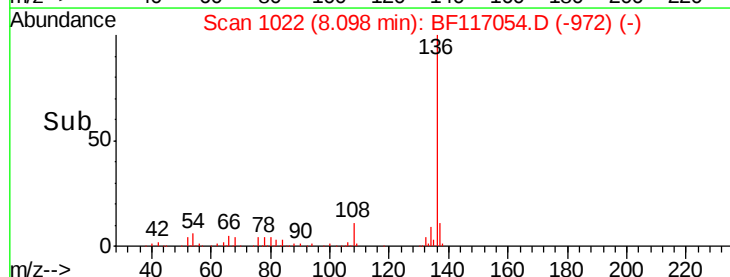
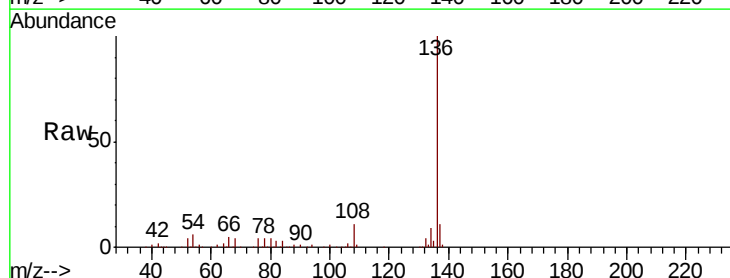
RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF117054.D

Acq: 16 Sep 2019 11:18

Tgt Ion:	136	Resp:	278427
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	5.5	4.5	6.7
68	4.4	4.0	6.0

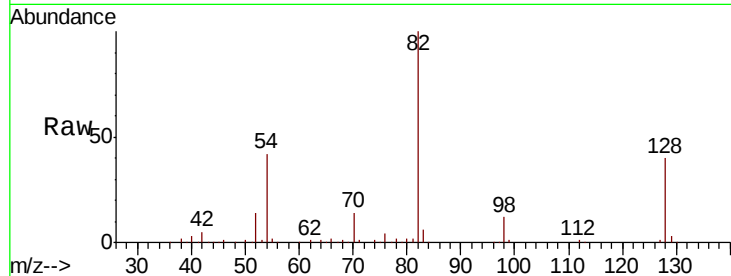




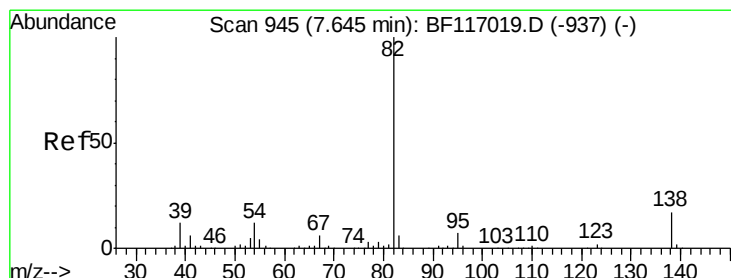
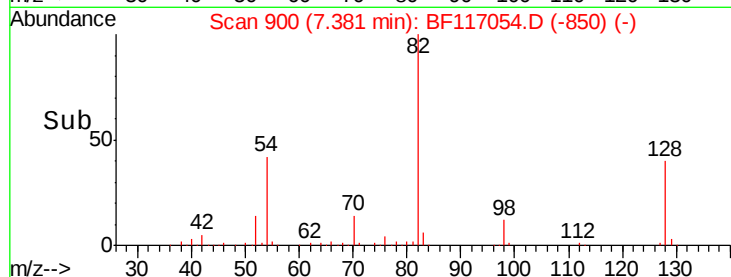
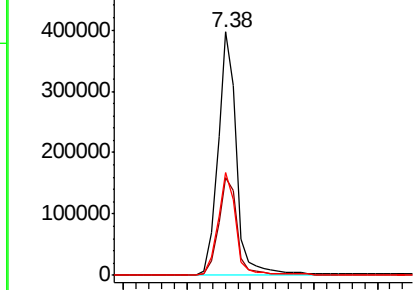
#23
 Nitrobenzene-d5
 Concen: 77.353 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117054.D
 Acq: 16 Sep 2019 11:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	409900
Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.3	48.5
54	42.1	33.3	49.9

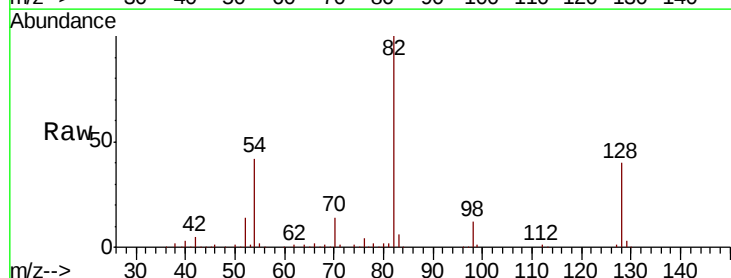


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

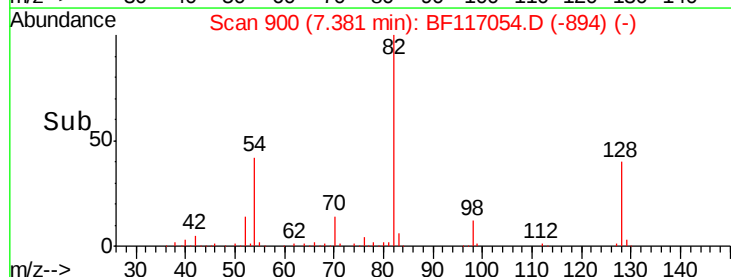
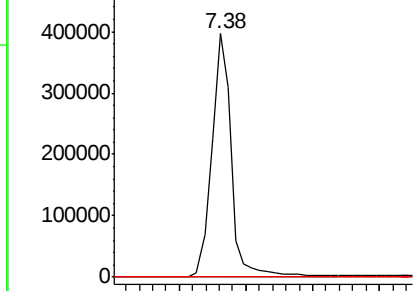


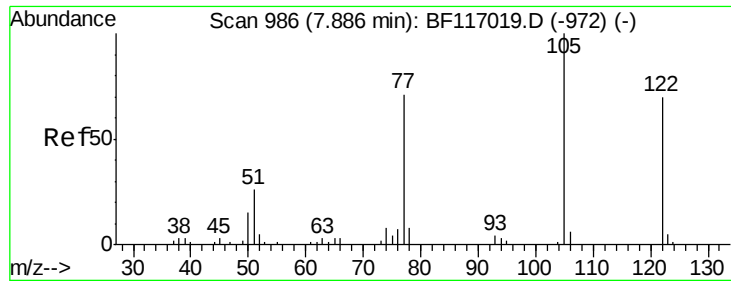
#25
 Isophorone
 Concen: 43.688 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117054.D
 Acq: 16 Sep 2019 11:18

Tgt Ion	82	Resp	409897
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

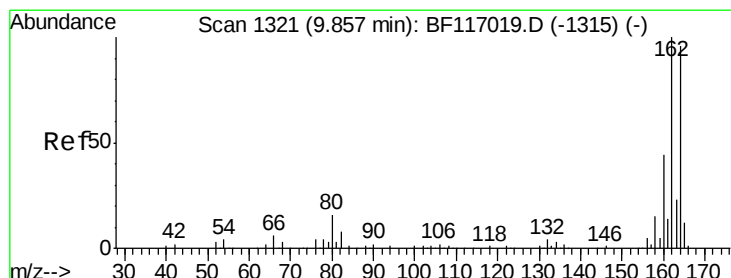
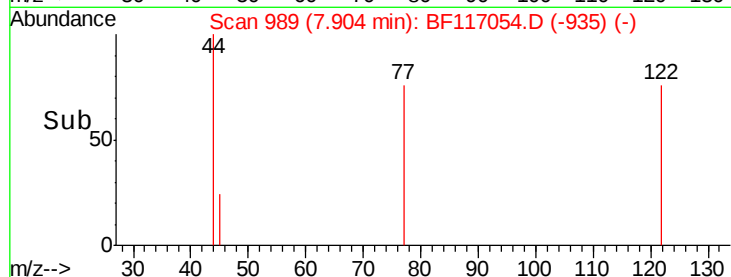
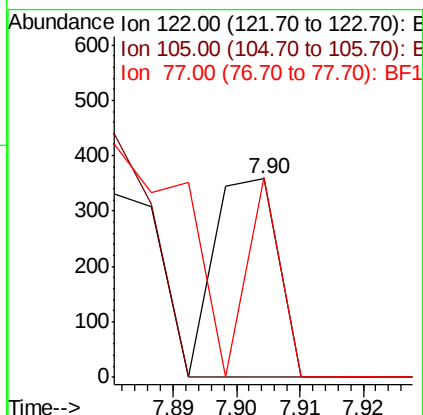
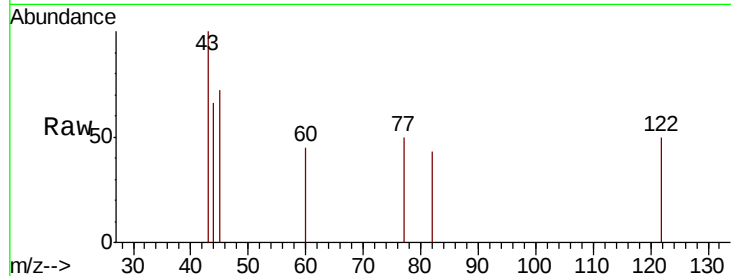




#32
Benzoic acid
Concen: 6.673 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.02 min
Lab File: BF117054.D
Acq: 16 Sep 2019 11:18

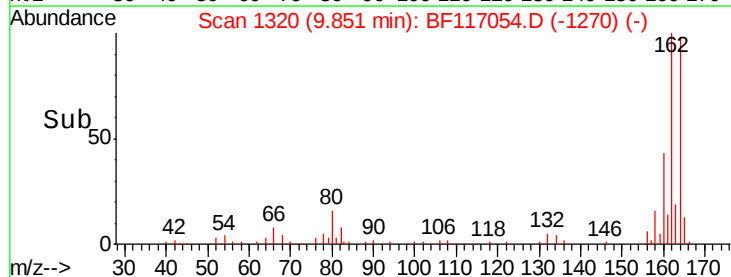
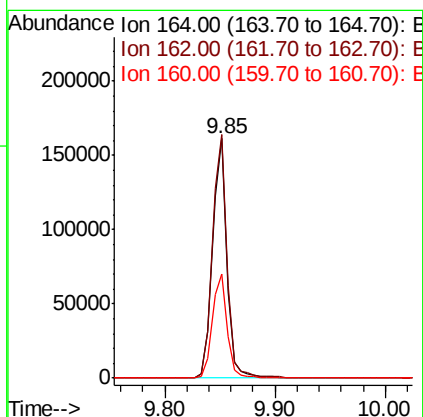
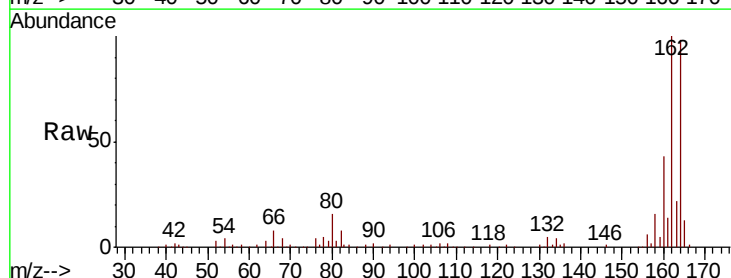
Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 248
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 100.6 78.7 118.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117054.D
Acq: 16 Sep 2019 11:18

Tgt Ion:164 Resp: 142035
Ion Ratio Lower Upper
164 100
162 101.8 83.4 125.2
160 43.3 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 126.179 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117054.D

Acq: 16 Sep 2019 11:18

Instrument :

BNA_F

ClientSampleId :

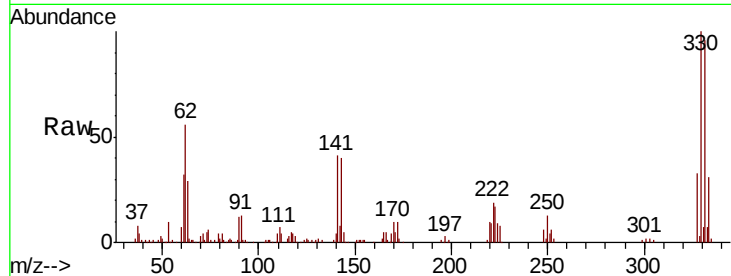
Tot Ion:330 Resp: 149785

Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

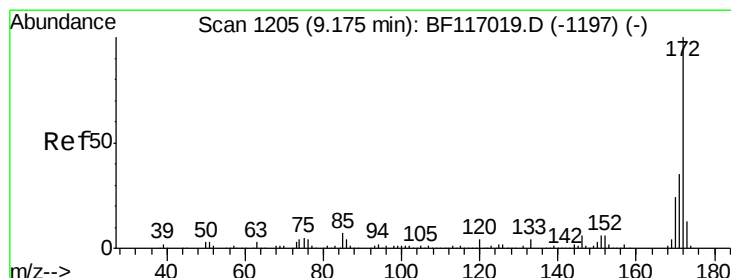
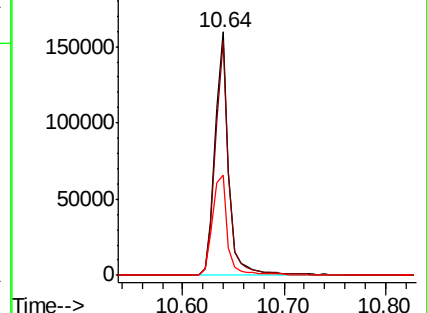
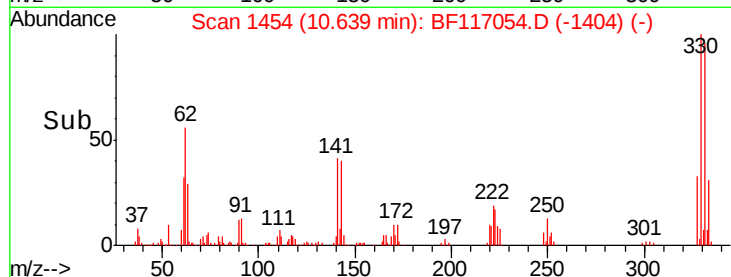
141 46.2 35.8 53.6



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: 79.140 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF117054.D

Acq: 16 Sep 2019 11:18

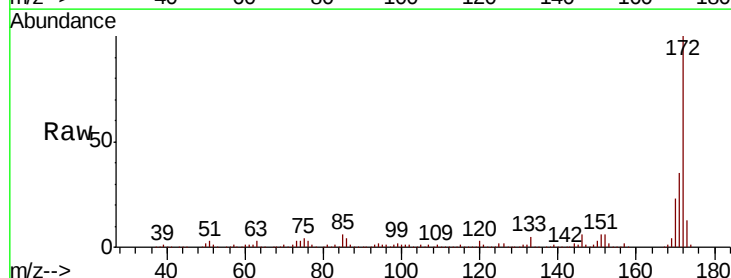
Tgt Ion:172 Resp: 718908

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

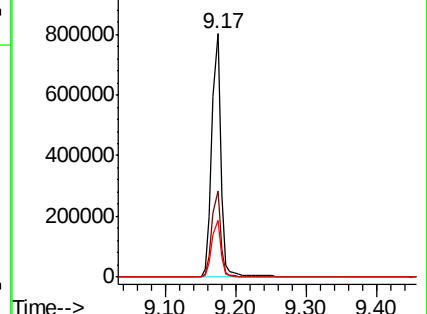
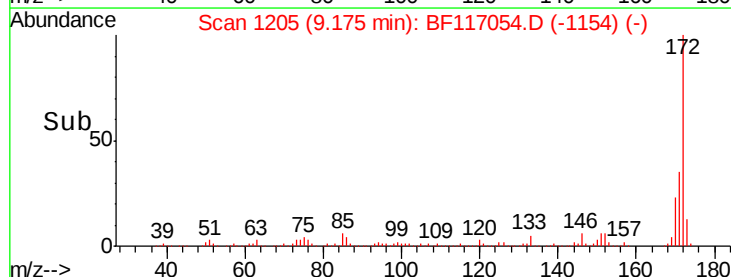
170 23.3 18.9 28.3

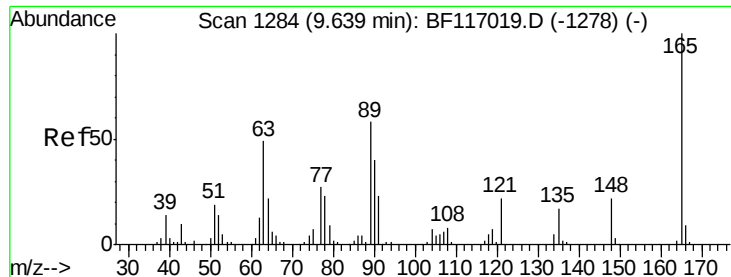


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.842 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117054.D

Acq: 16 Sep 2019 11:18

Instrument :

BNA_F

ClientSampled :

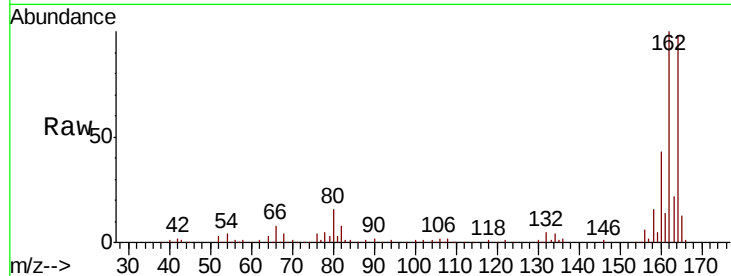
Tot Ion:165 Resp: 18111

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

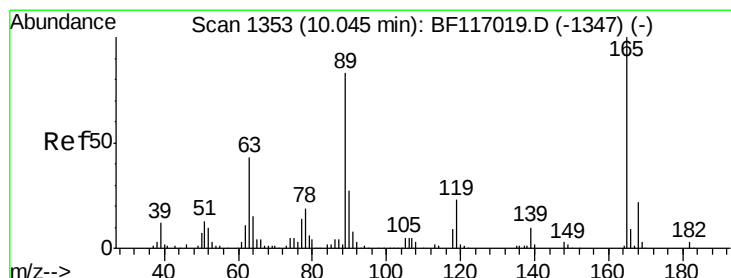
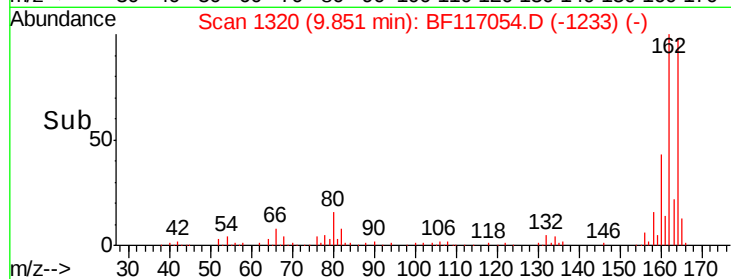
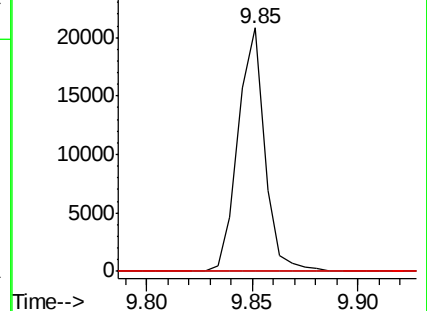
89 0.0 46.5 69.7#



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: 6.812 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF117054.D

Acq: 16 Sep 2019 11:18

Tgt Ion:165 Resp: 18111

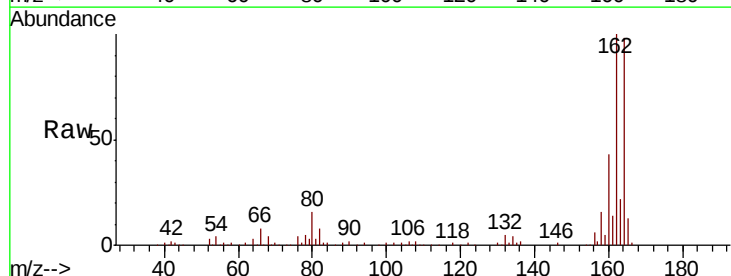
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.4#

89 0.0 66.1 99.1#

182 0.0 2.0 3.0#

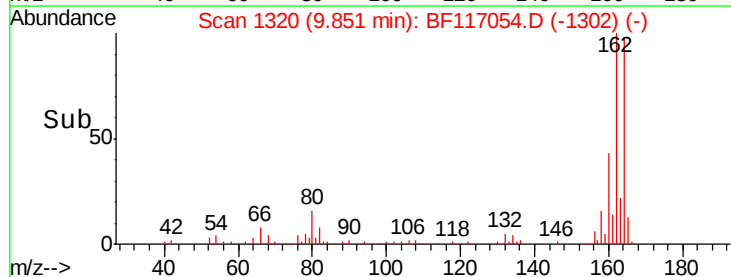
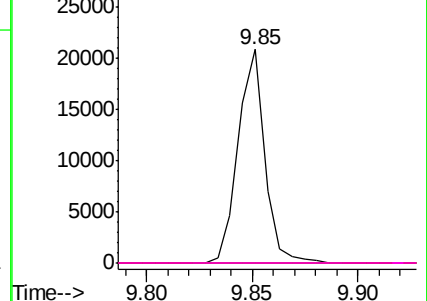


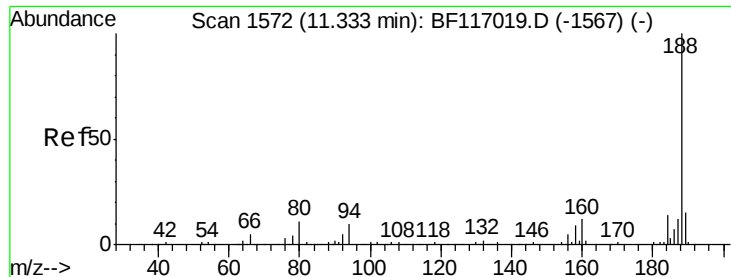
Abundance Ion 165.00 (164.70 to 165.70): E

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

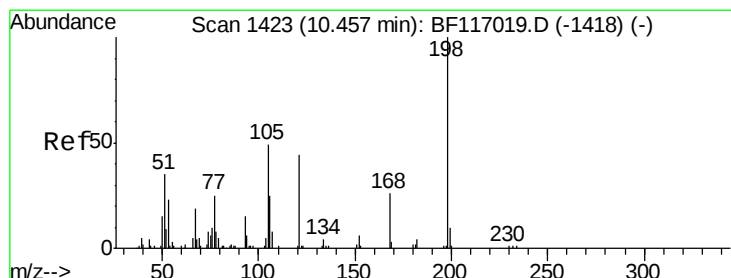
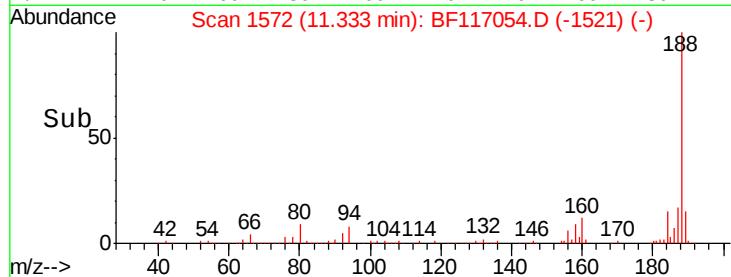
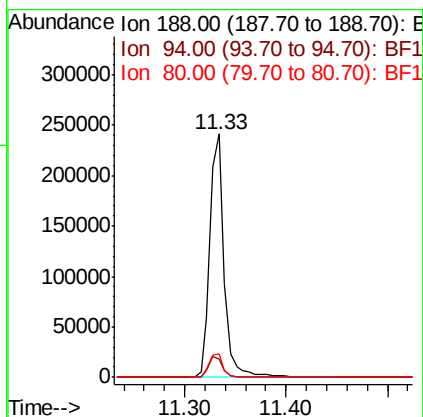
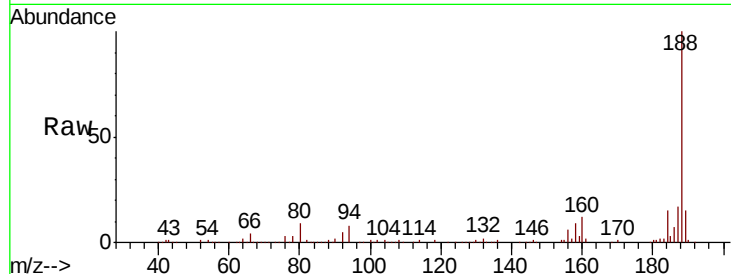




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117054.D
 Acq: 16 Sep 2019 11:18

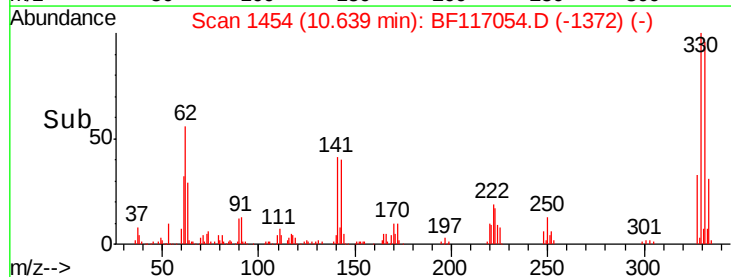
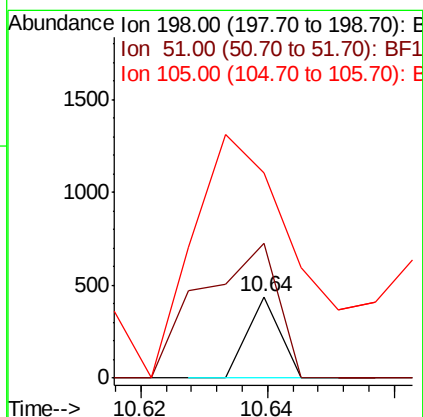
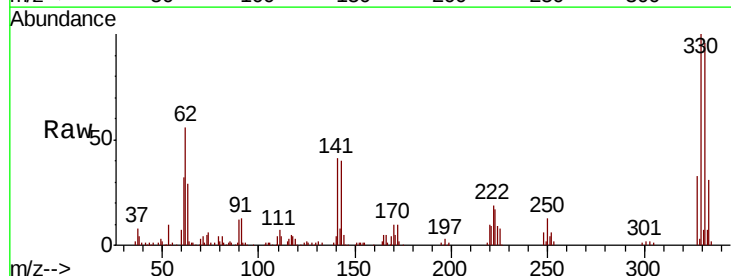
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 236793
 Ion Ratio Lower Upper
 188 100
 94 7.6 8.2 12.2#
 80 9.4 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.025 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF117054.D
 Acq: 16 Sep 2019 11:18

Tgt Ion:198 Resp: 155
 Ion Ratio Lower Upper
 198 100
 51 164.7 18.7 58.7#
 105 251.9 30.2 70.2#

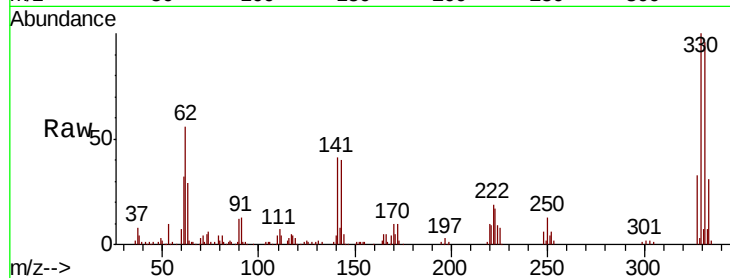




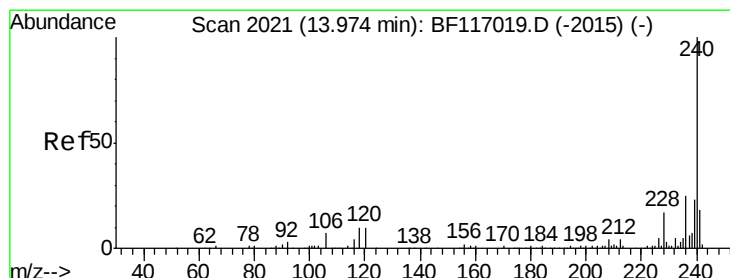
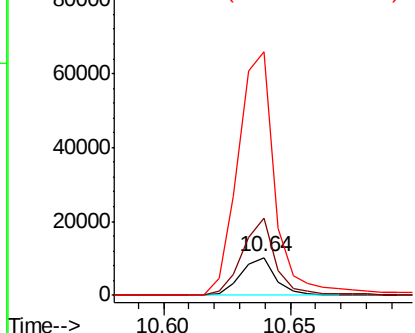
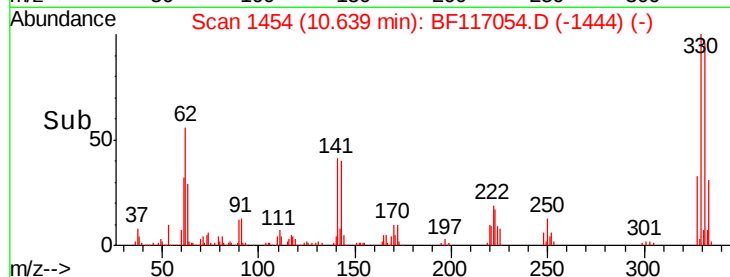
#67
 4-Bromophenyl-phenylether
 Concen: 3.998 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117054.D
 Acq: 16 Sep 2019 11:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 9667
 Ion Ratio Lower Upper
 248 100
 250 205.3 76.2 114.4#
 141 649.1 75.0 112.4#

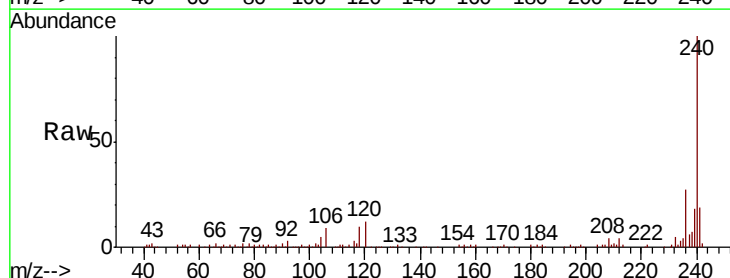


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

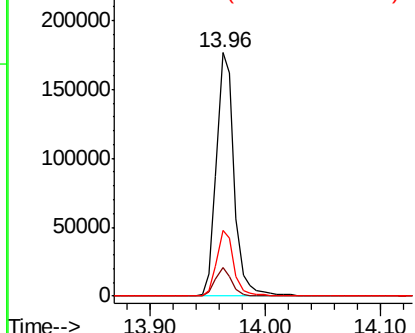
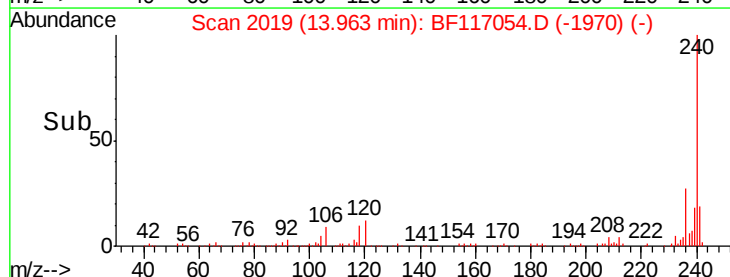


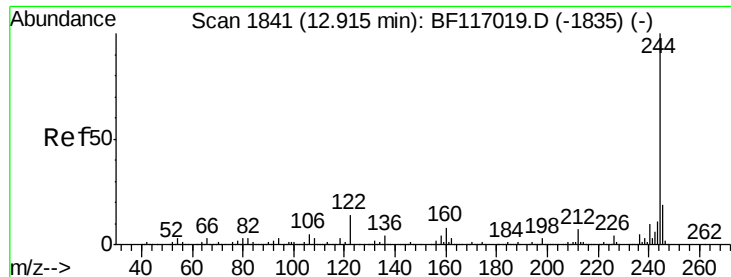
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF117054.D
 Acq: 16 Sep 2019 11:18

Tgt Ion:240 Resp: 189544
 Ion Ratio Lower Upper
 240 100
 120 11.5 8.3 12.5
 236 27.2 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

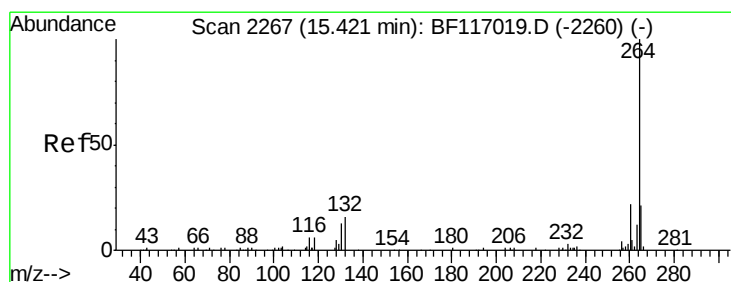
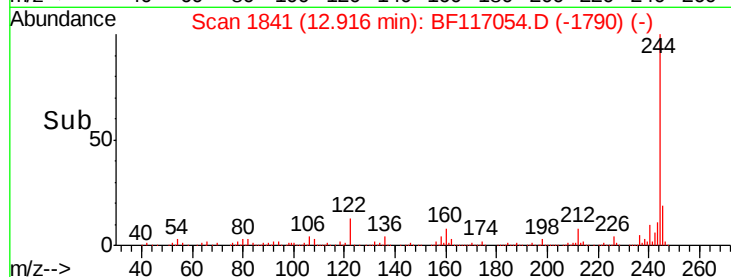
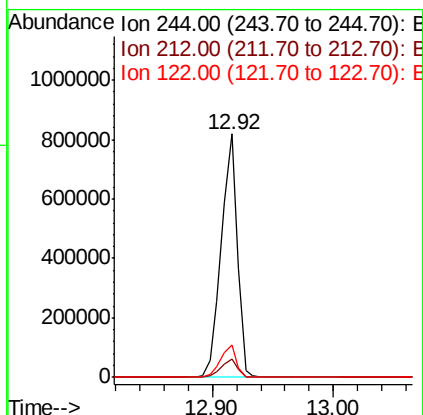
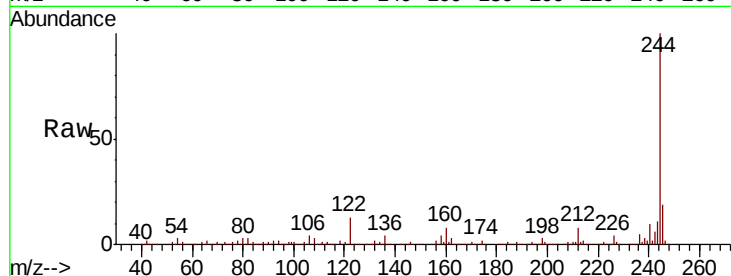




#79
 Terphenyl-d14
 Concen: 74.306 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117054.D
 Acq: 16 Sep 2019 11:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 753479
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 13.1 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: BF117054.D
 Acq: 16 Sep 2019 11:18

Tgt Ion:264 Resp: 176244
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.6 26.4
 265 20.2 16.6 24.8

