

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116956.D
 Acq On : 11 Sep 2019 19:47
 Operator : HP/JU
 Sample : K4786-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:04:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

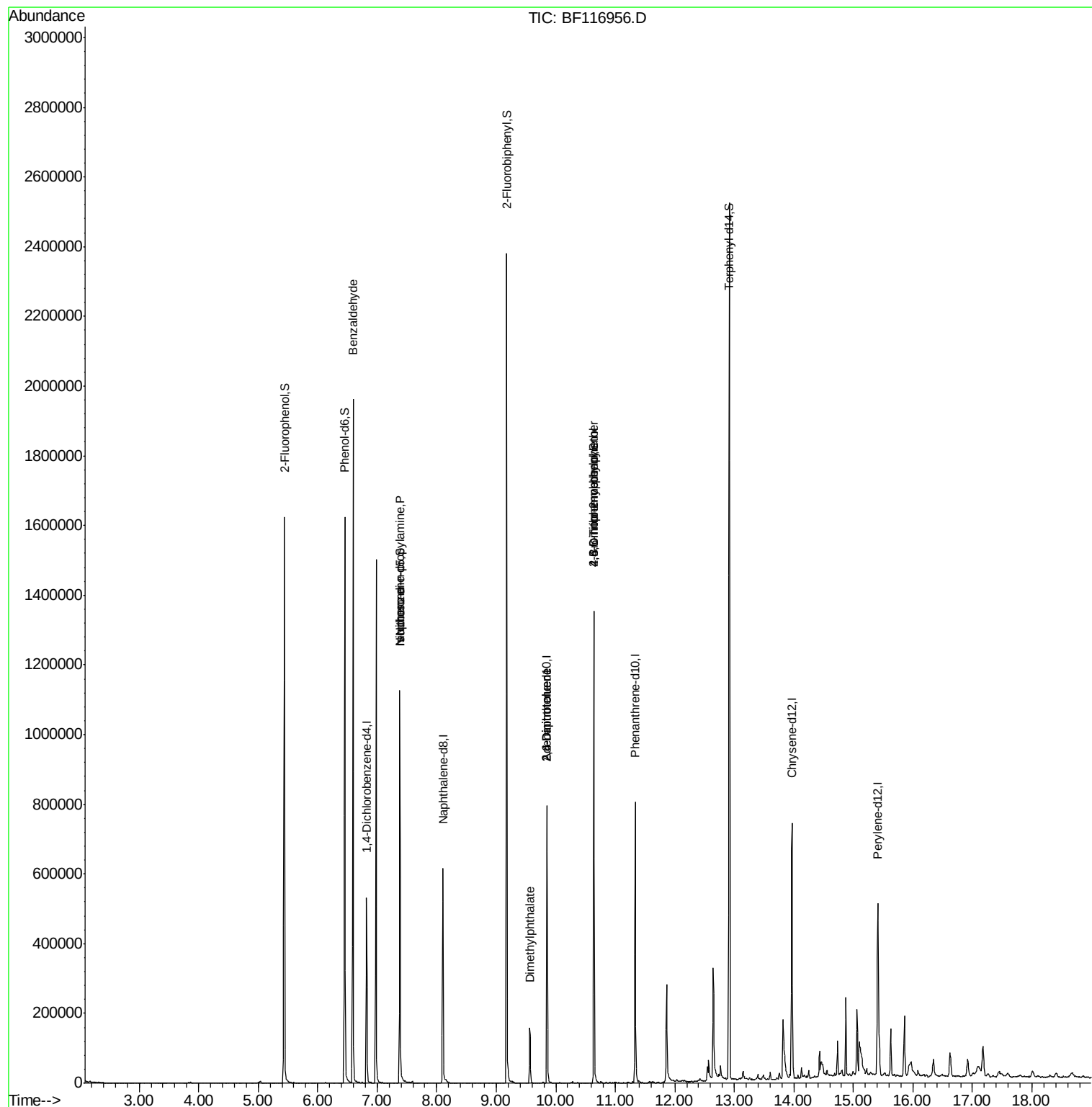
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	75370	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	313132	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	169085	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	285800	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	236951	20.00	ng	-0.02
87) Perylene-d12	15.41	264	223471	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	449575	96.63	ng	-0.01
7) Phenol-d6	6.46	99	613503	100.43	ng	-0.02
23) Nitrobenzene-d5	7.38	82	374683	68.31	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	138248	122.30	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	701600	70.00	ng	-0.02
79) Terphenyl-d14	12.92	244	791547	61.80	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.59	77	11600	2.882	ng	83
19) n-Nitroso-di-n-propylamine	7.38	70	49489	12.303	ng	# 73
25) Isophorone	7.38	82	374676	33.710	ng	# 66
50) Dimethylphthalate	9.56	163	69456	5.950	ng	100
51) 2,6-Dinitrotoluene	9.85	165	21442	9.627	ng	# 19
57) 2,4-Dinitrotoluene	9.85	165	21442	7.873	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	246	7.649	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	8920	3.072	ng	# 1

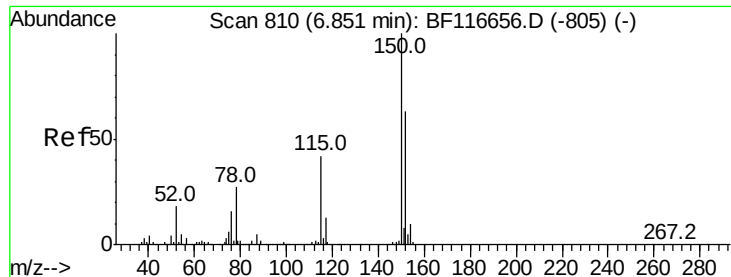
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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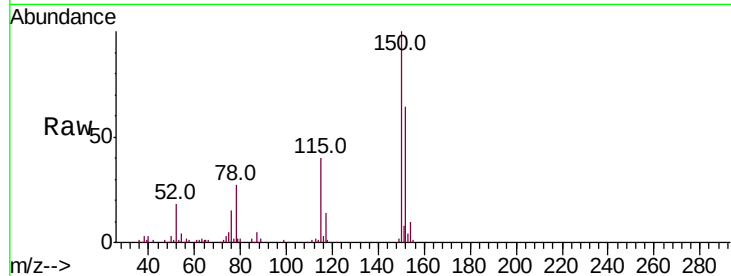


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116956.D
Acq: 11 Sep 2019 19:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.4	186.6
115	62.7	49.9	74.9

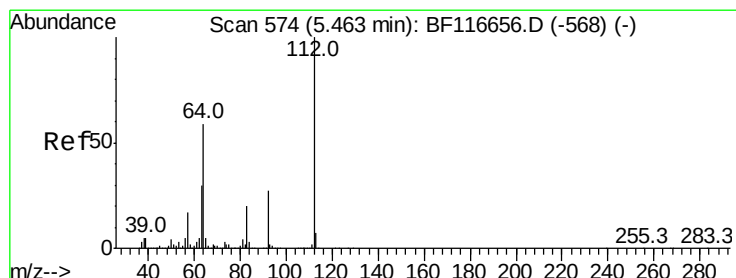
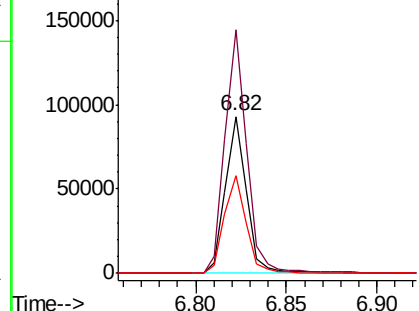
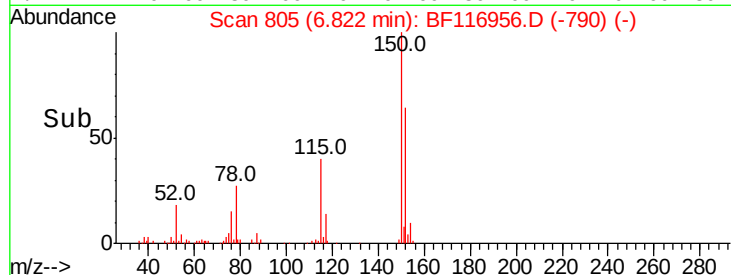


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

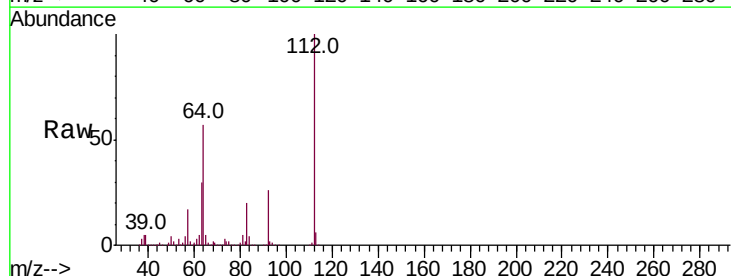
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.635 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF116956.D
Acq: 11 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.1	70.7
63	30.0	24.9	37.3

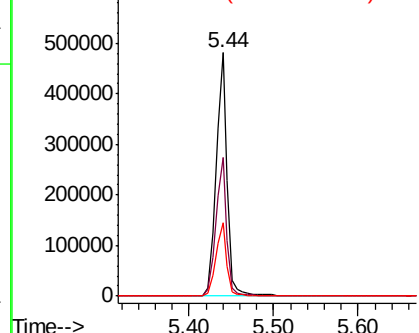
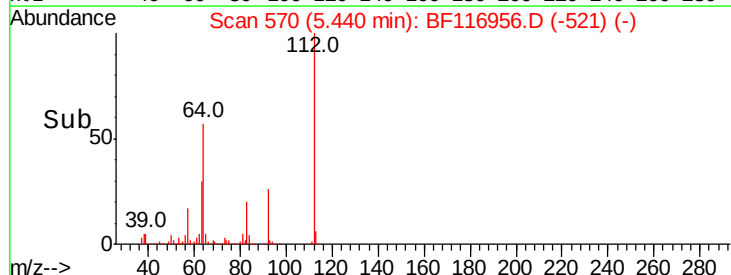


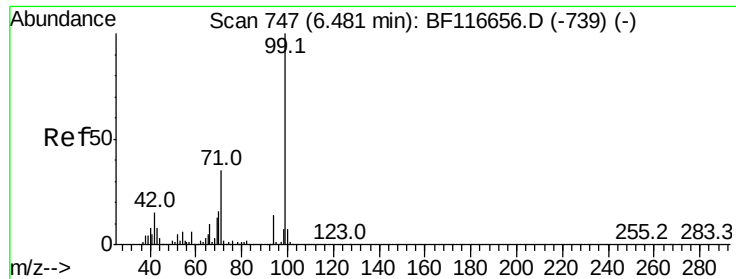
Abundance

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: 100.426 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116956.D

Acq: 11 Sep 2019 19:47

Instrument :

BNA_F

ClientSampleId :

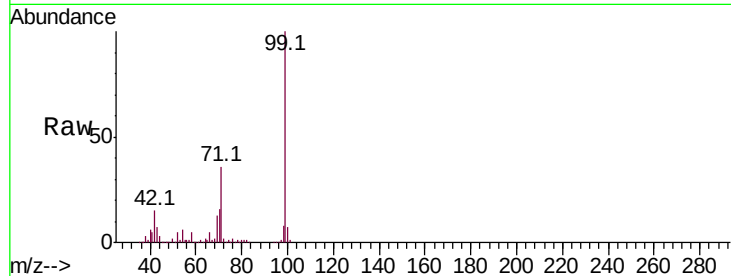
Tot Ion: 99 Resp: 613503

Ion Ratio Lower Upper

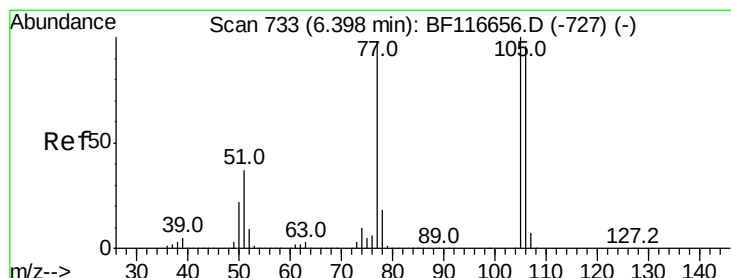
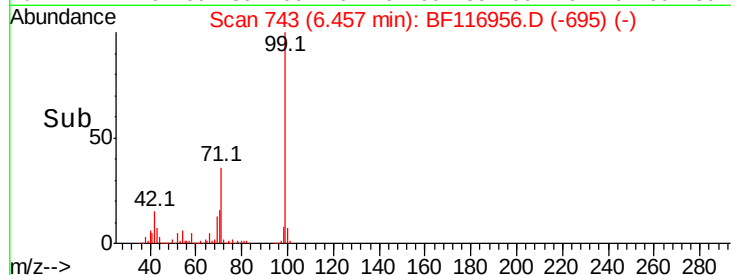
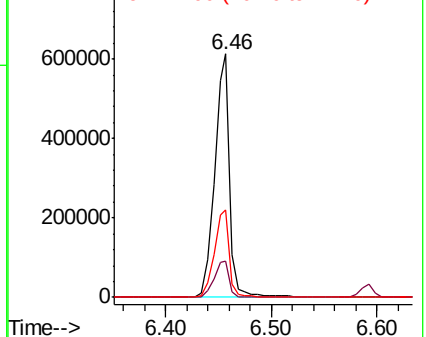
99 100

42 14.7 13.7 20.5

71 36.0 30.8 46.2



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: 2.882 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.21 min

Lab File: BF116956.D

Acq: 11 Sep 2019 19:47

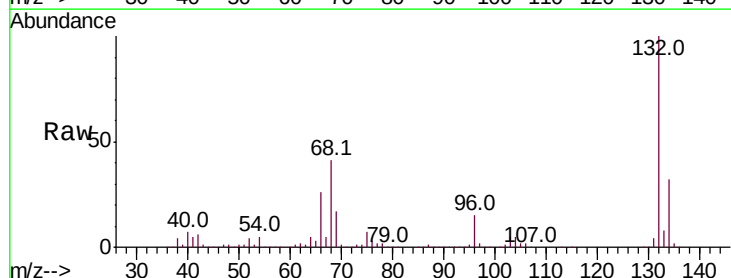
Tgt Ion: 77 Resp: 11600

Ion Ratio Lower Upper

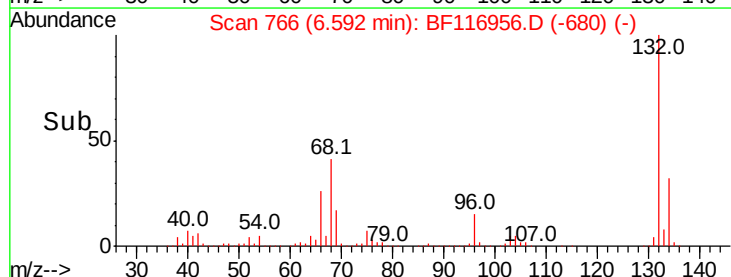
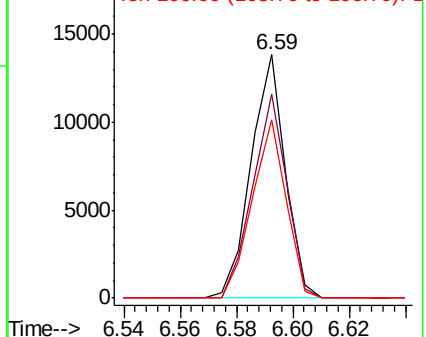
77 100

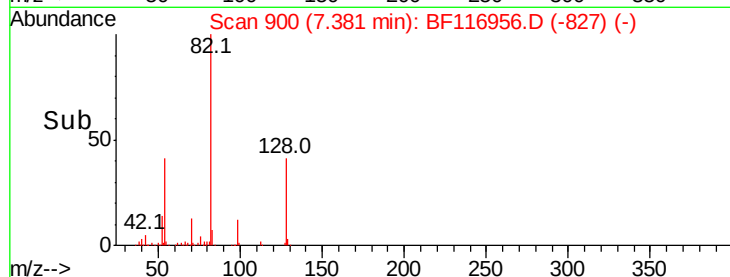
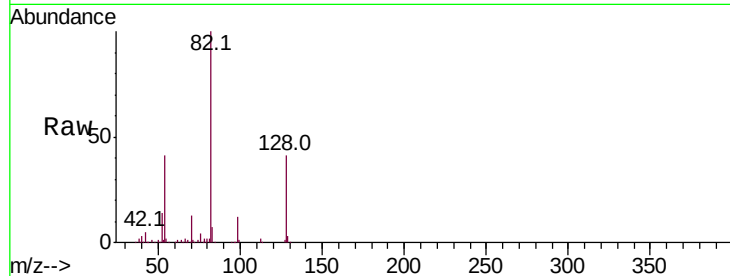
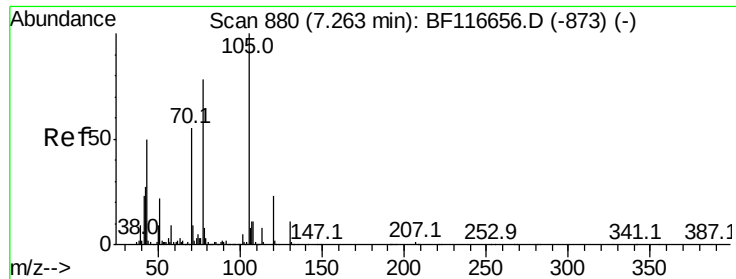
105 83.5 76.7 116.7

106 73.5 73.1 113.1



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

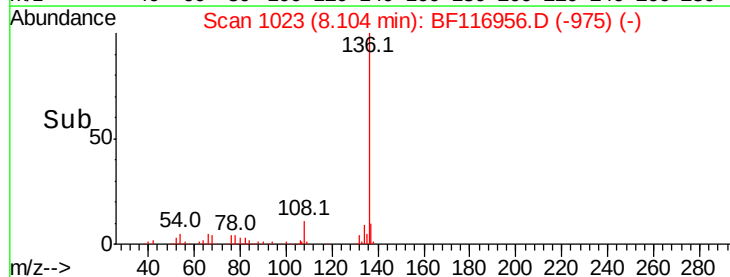
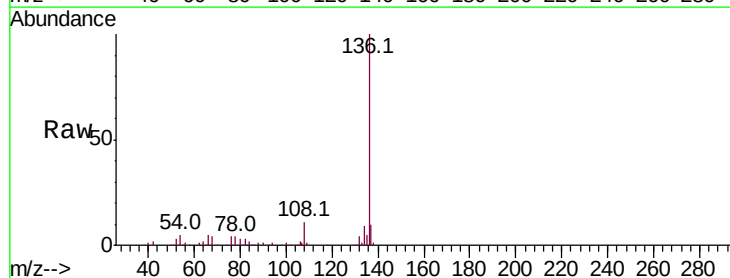
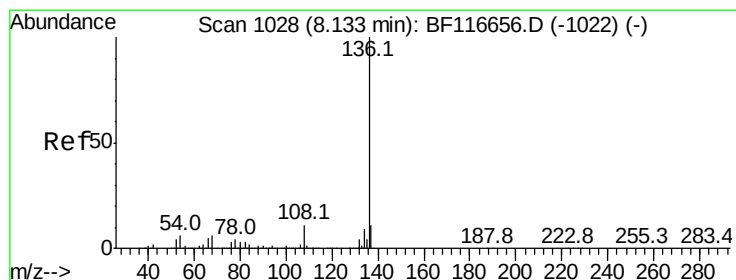
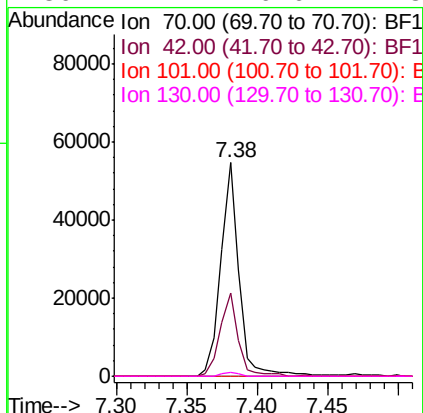




#19
n-Nitroso-di-n-propylamine
Concen: 12.303 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.13 min
Lab File: BF116956.D
Acq: 11 Sep 2019 19:47

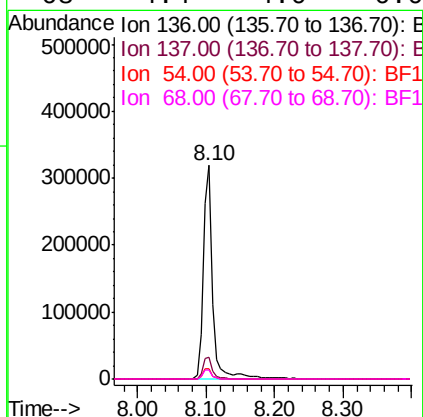
Instrument :
BNA_F
ClientSampleId :

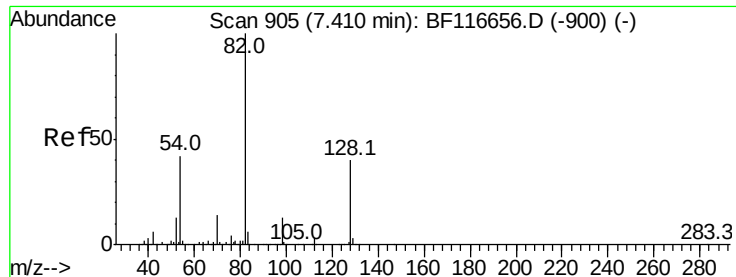
Tot Ion	Ratio	Lower	Upper
70	100		
42	38.9	43.5	65.3#
101	0.0	7.8	11.6#
130	1.7	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF116956.D
Acq: 11 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	5.0	4.8	7.2
68	4.4	4.0	6.0





#23

Nitrobenzene-d5

Concen: 68.309 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF116956.D

Acq: 11 Sep 2019 19:47

Instrument :

BNA_F

ClientSampleId :

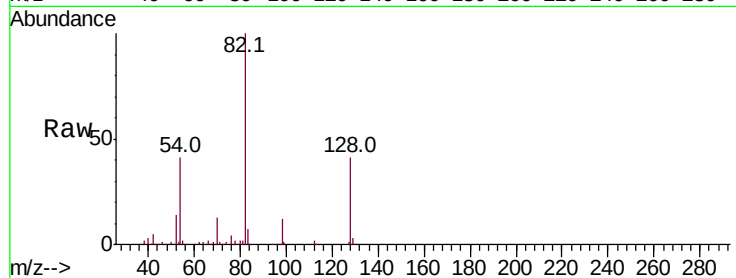
Tot Ion: 82 Resp: 374683

Ion Ratio Lower Upper

82 100

128 40.7 32.8 49.2

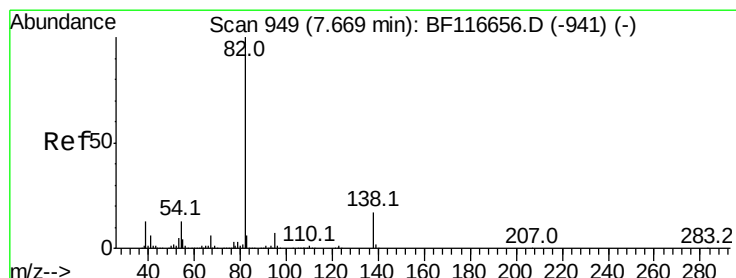
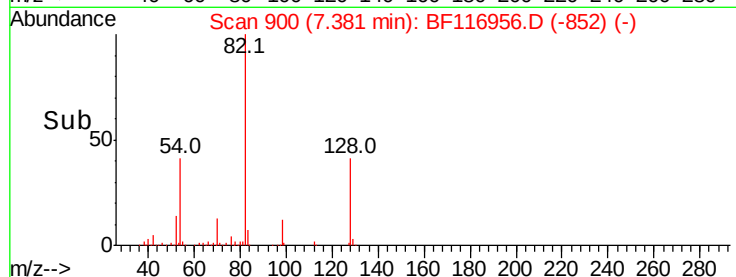
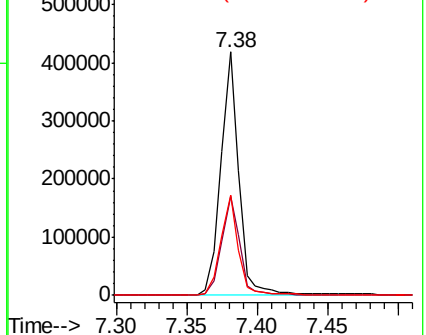
54 41.4 36.9 55.3



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: 33.710 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF116956.D

Acq: 11 Sep 2019 19:47

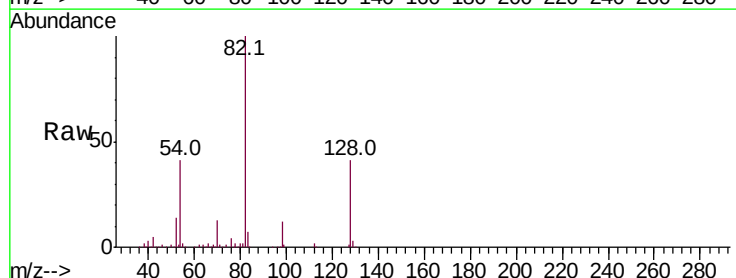
Tgt Ion: 82 Resp: 374676

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

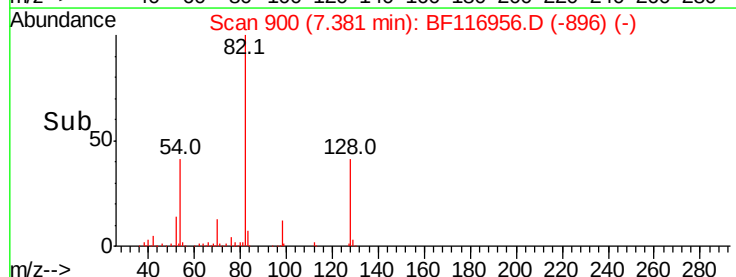
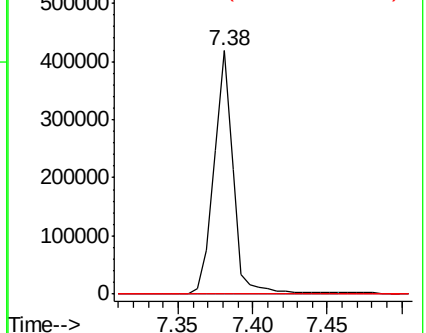
138 0.0 13.5 20.3#

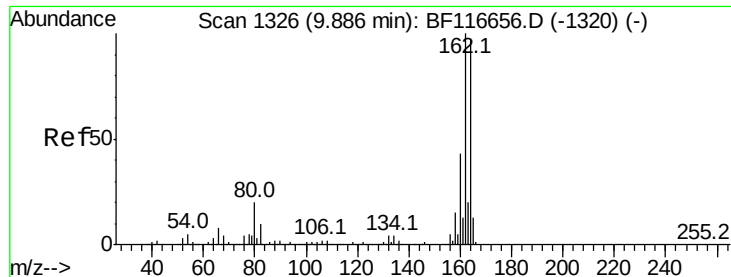


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

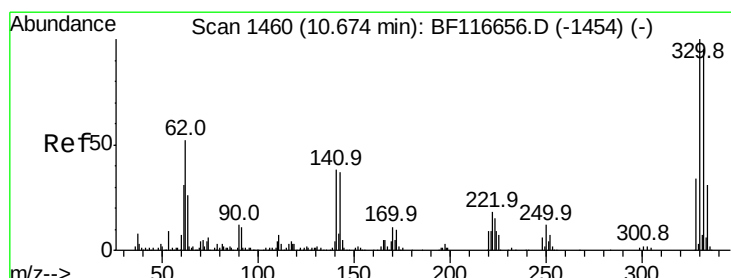
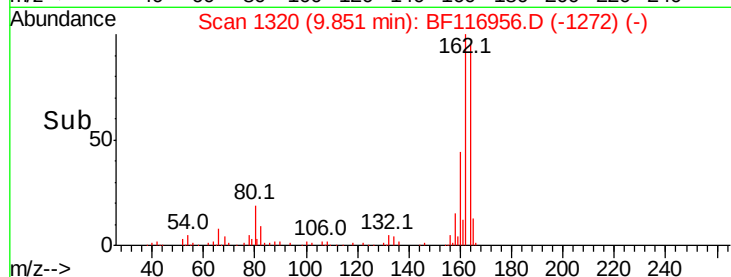
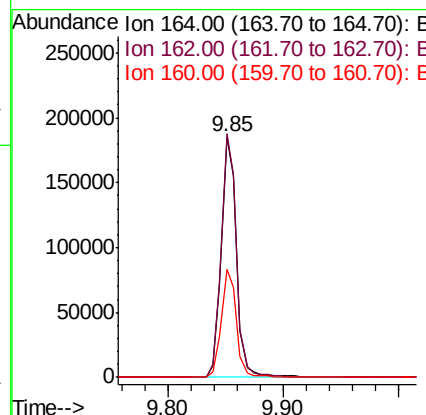
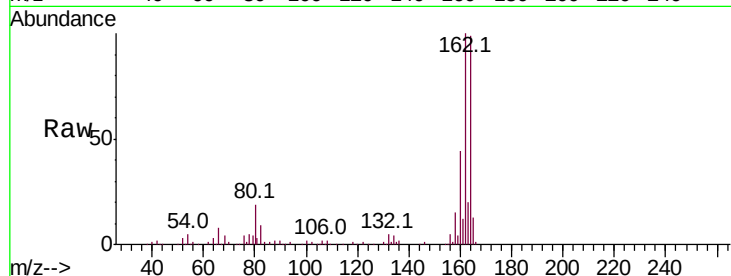




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BF116956.D
 Acq: 11 Sep 2019 19:47

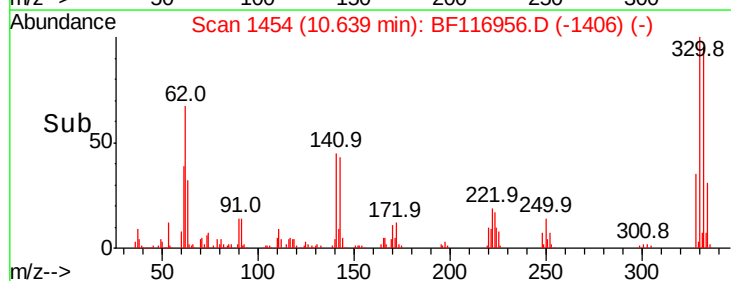
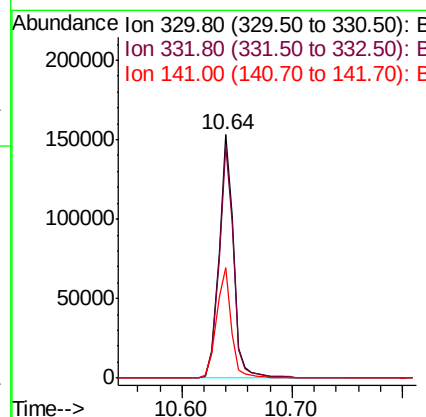
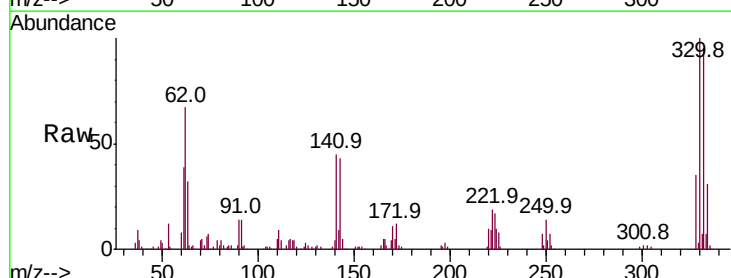
Instrument :
 BNA_F
 ClientSampleId :

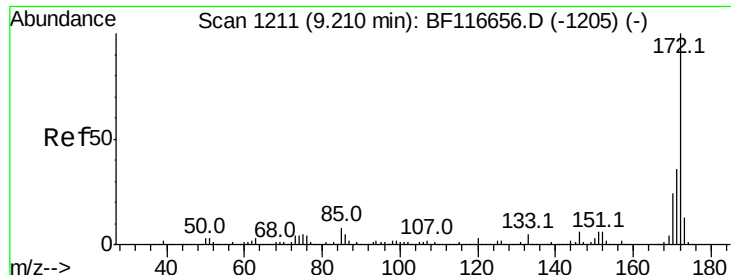
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.4	122.0
160	45.0	35.4	53.2



#42
 2,4,6-Tribromophenol
 Concen: 122.303 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF116956.D
 Acq: 11 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	45.3	31.4	47.2

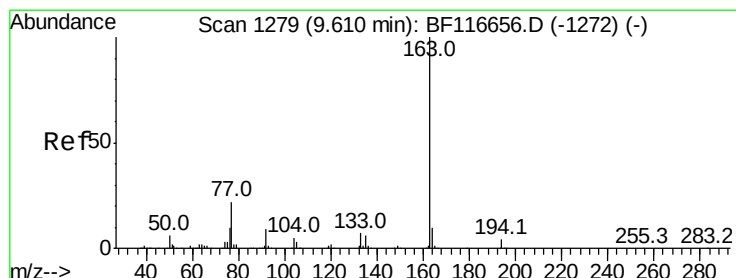
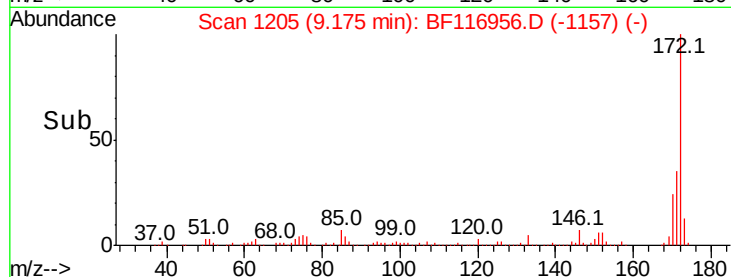
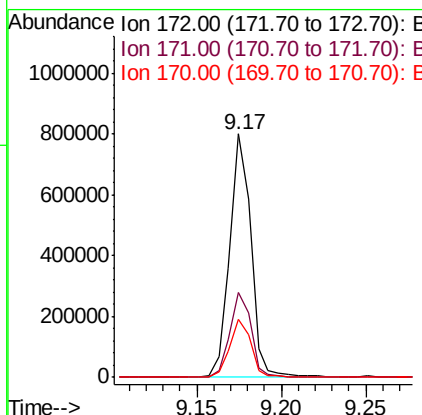
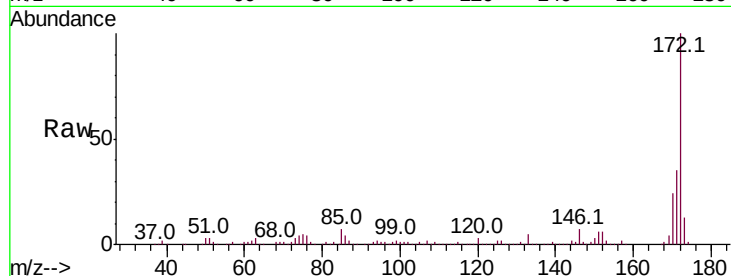




#45
2-Fluorobiphenyl
Concen: 69.996 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF116956.D
Acq: 11 Sep 2019 19:47

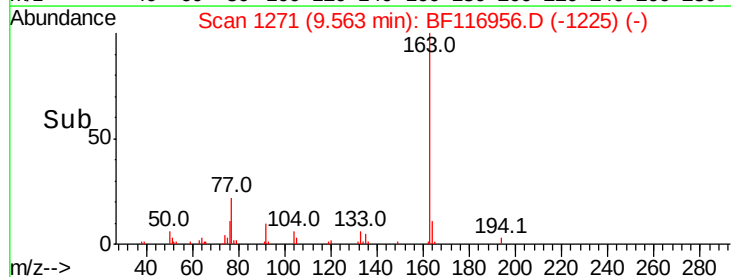
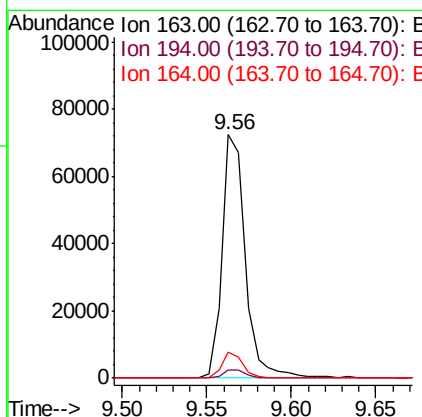
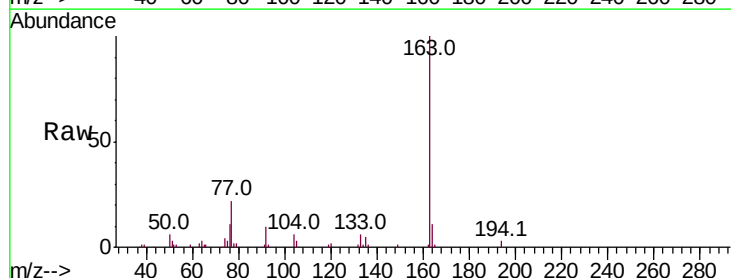
Instrument :
BNA_F
ClientSampleId :

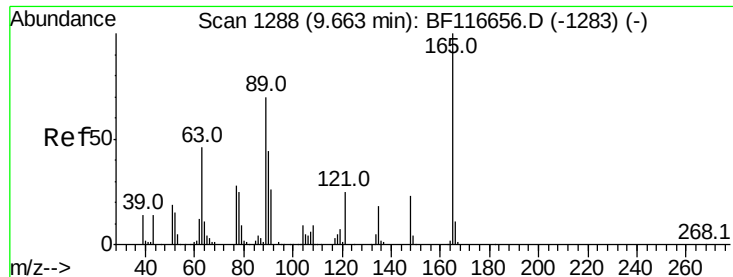
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.7	18.9	28.3



#50
Dimethylphthalate
Concen: 5.950 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF116956.D
Acq: 11 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.6	8.6	12.8

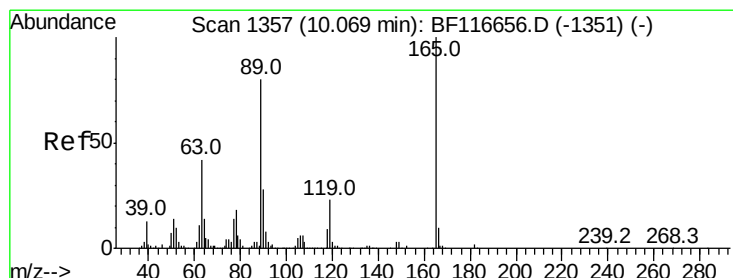
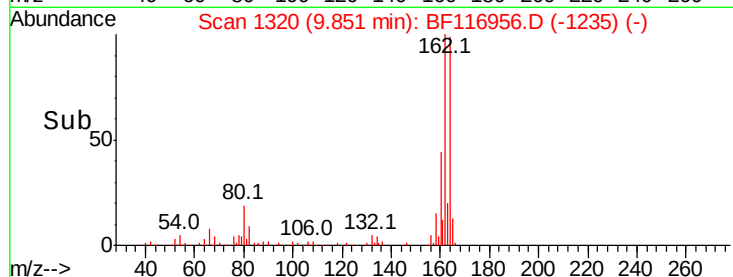
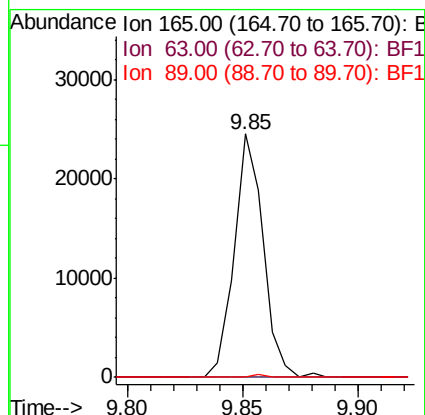
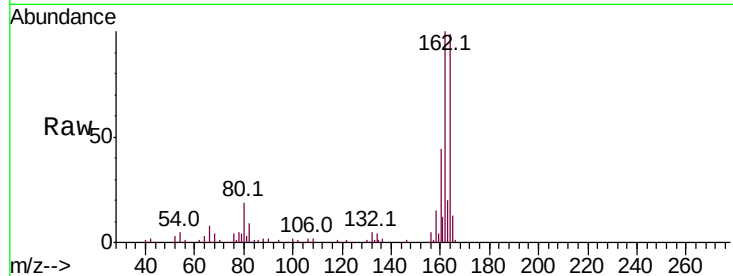




#51
 2,6-Dinitrotoluene
 Concen: 9.627 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.20 min
 Lab File: BF116956.D
 Acq: 11 Sep 2019 19:47

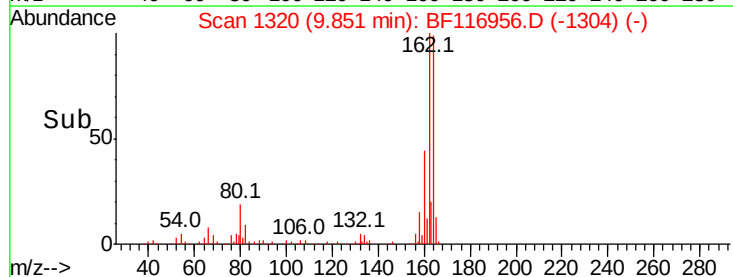
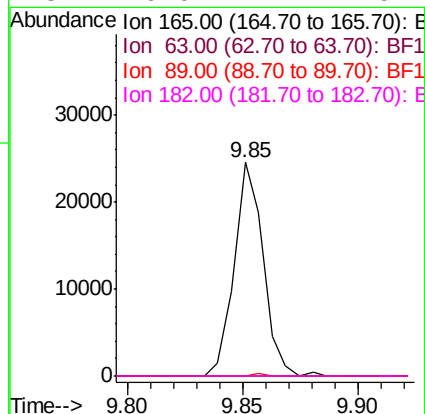
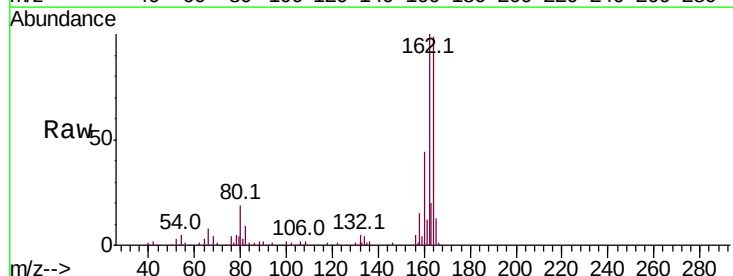
Instrument :
 BNA_F
 ClientSampleId :

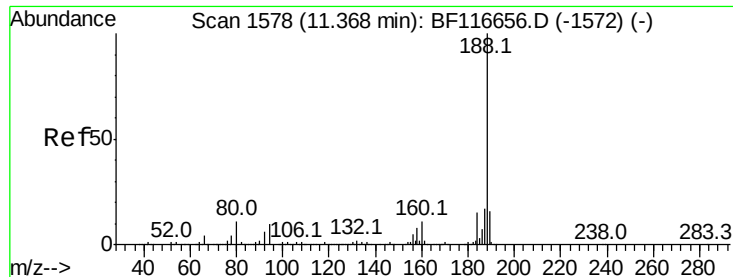
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.3	70.9#
89	0.0	52.5	78.7#



#57
 2,4-Dinitrotoluene
 Concen: 7.873 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.21 min
 Lab File: BF116956.D
 Acq: 11 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	62.6	94.0#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF116956.D

Acq: 11 Sep 2019 19:47

Instrument :

BNA_F

ClientSampleId :

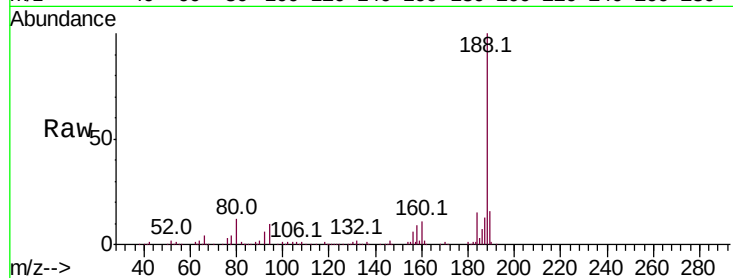
Tot Ion:188 Resp: 285800

Ion Ratio Lower Upper

188 100

94 10.0 7.3 10.9

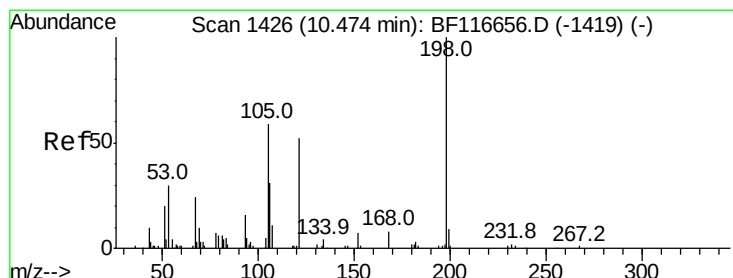
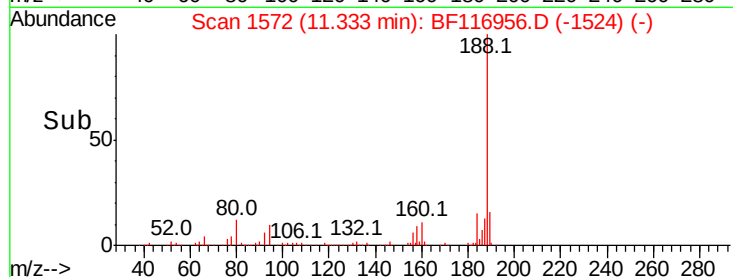
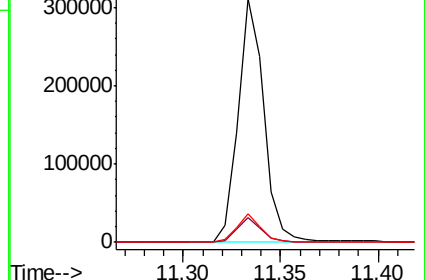
80 11.6 8.4 12.6



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: 7.649 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.17 min

Lab File: BF116956.D

Acq: 11 Sep 2019 19:47

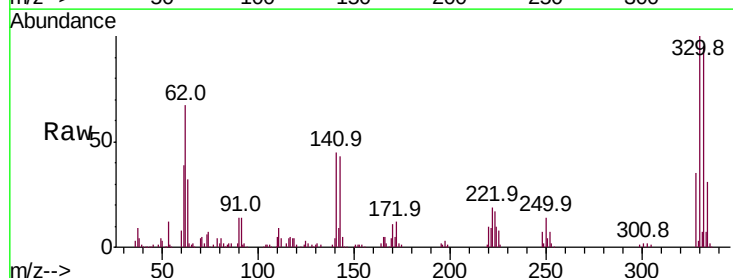
Tgt Ion:198 Resp: 246

Ion Ratio Lower Upper

198 100

51 175.3 18.4 58.4#

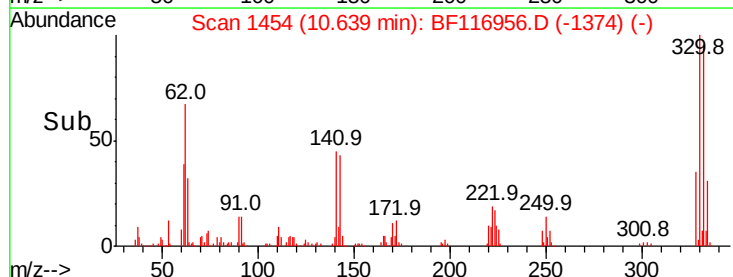
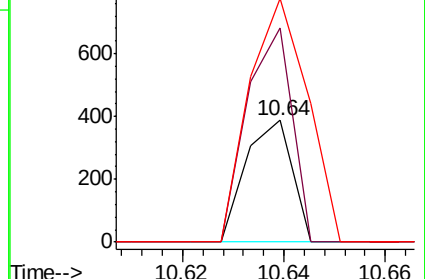
105 199.7 22.9 62.9#

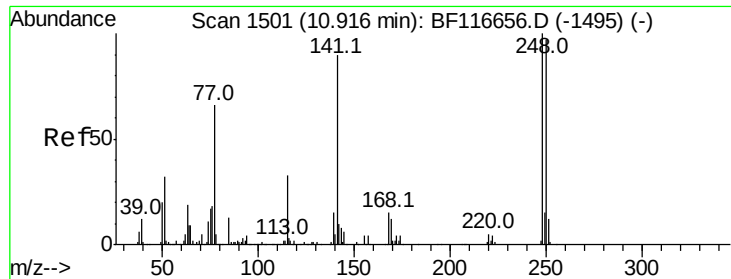


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

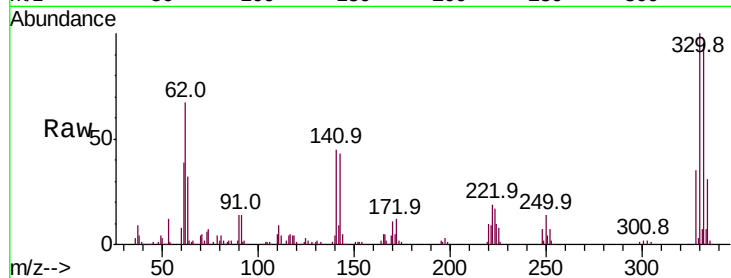




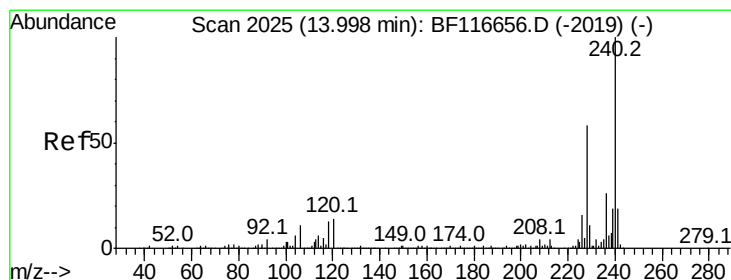
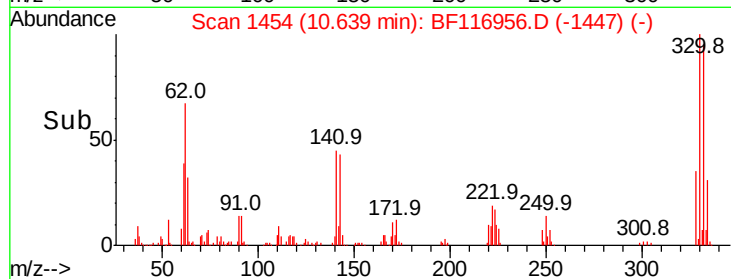
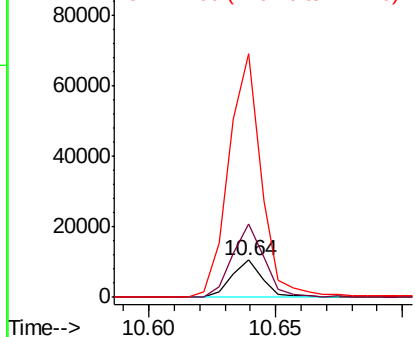
#67
4-Bromophenyl-phenylether
Concen: 3.072 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.26 min
Lab File: BF116956.D
Acq: 11 Sep 2019 19:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8920
Ion Ratio Lower Upper
248 100
250 194.9 77.8 116.8#
141 649.8 75.9 113.9#

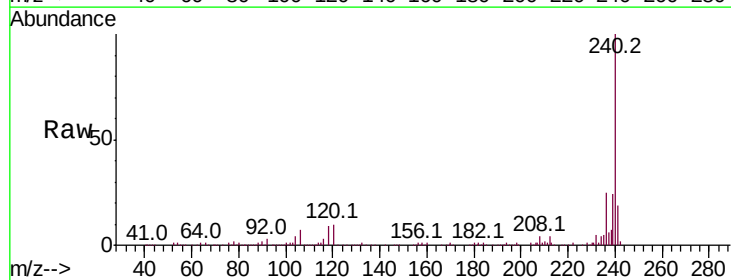


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

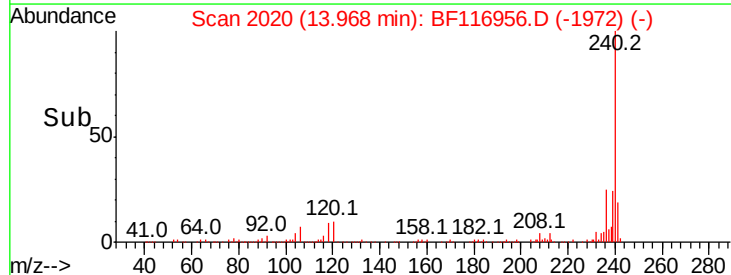
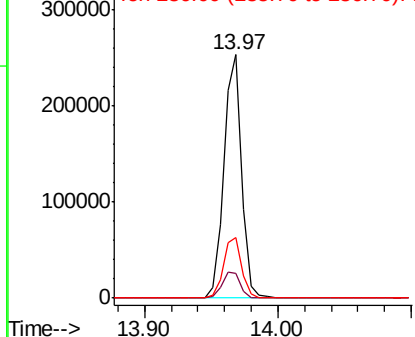


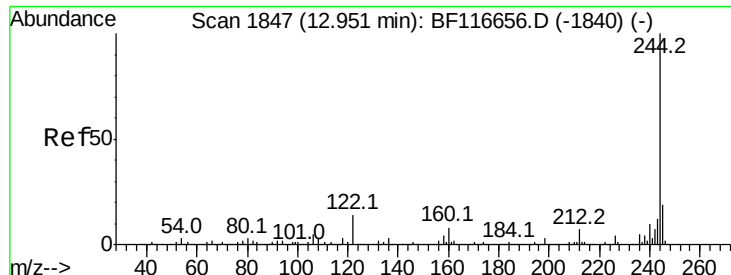
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF116956.D
Acq: 11 Sep 2019 19:47

Tgt Ion:240 Resp: 236951
Ion Ratio Lower Upper
240 100
120 10.0 9.1 13.7
236 25.0 21.1 31.7



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

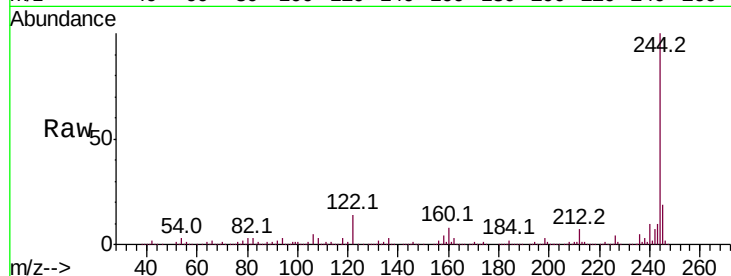




#79
 Terphenyl-d14
 Concen: 61.798 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.02 min
 Lab File: BF116956.D
 Acq: 11 Sep 2019 19:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	14.2	10.2	15.4

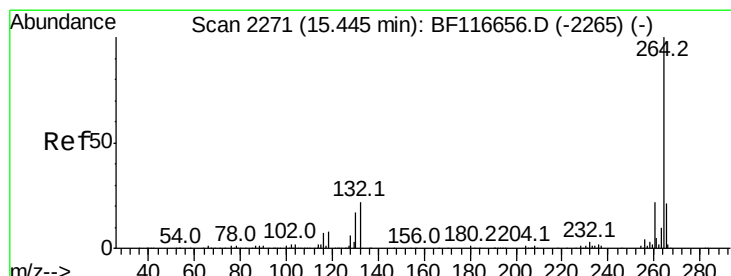
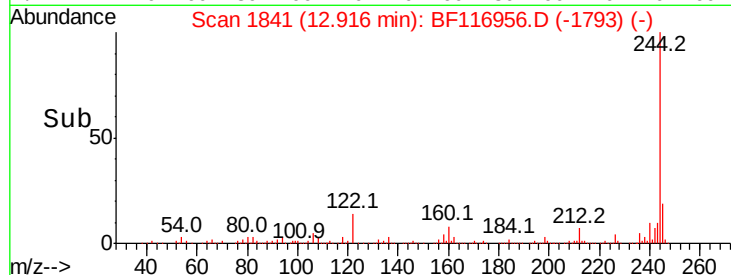
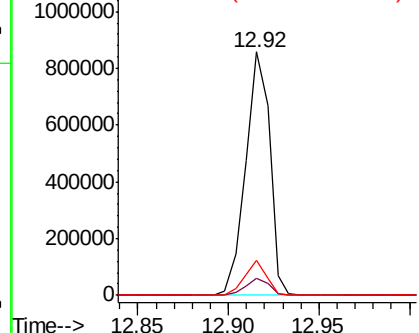


Abundance

Ion 244.00 (243.70 to 244.70): E

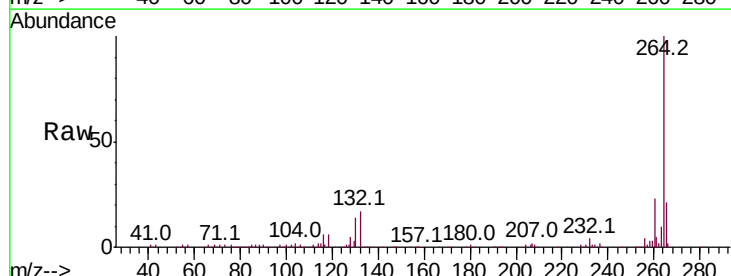
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.02 min
 Lab File: BF116956.D
 Acq: 11 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	21.0	16.5	24.7



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

