

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093019\
 Data File : BF117273.D
 Acq On : 30 Sep 2019 20:55
 Operator : JU
 Sample : K5083-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 01 01:41:38 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

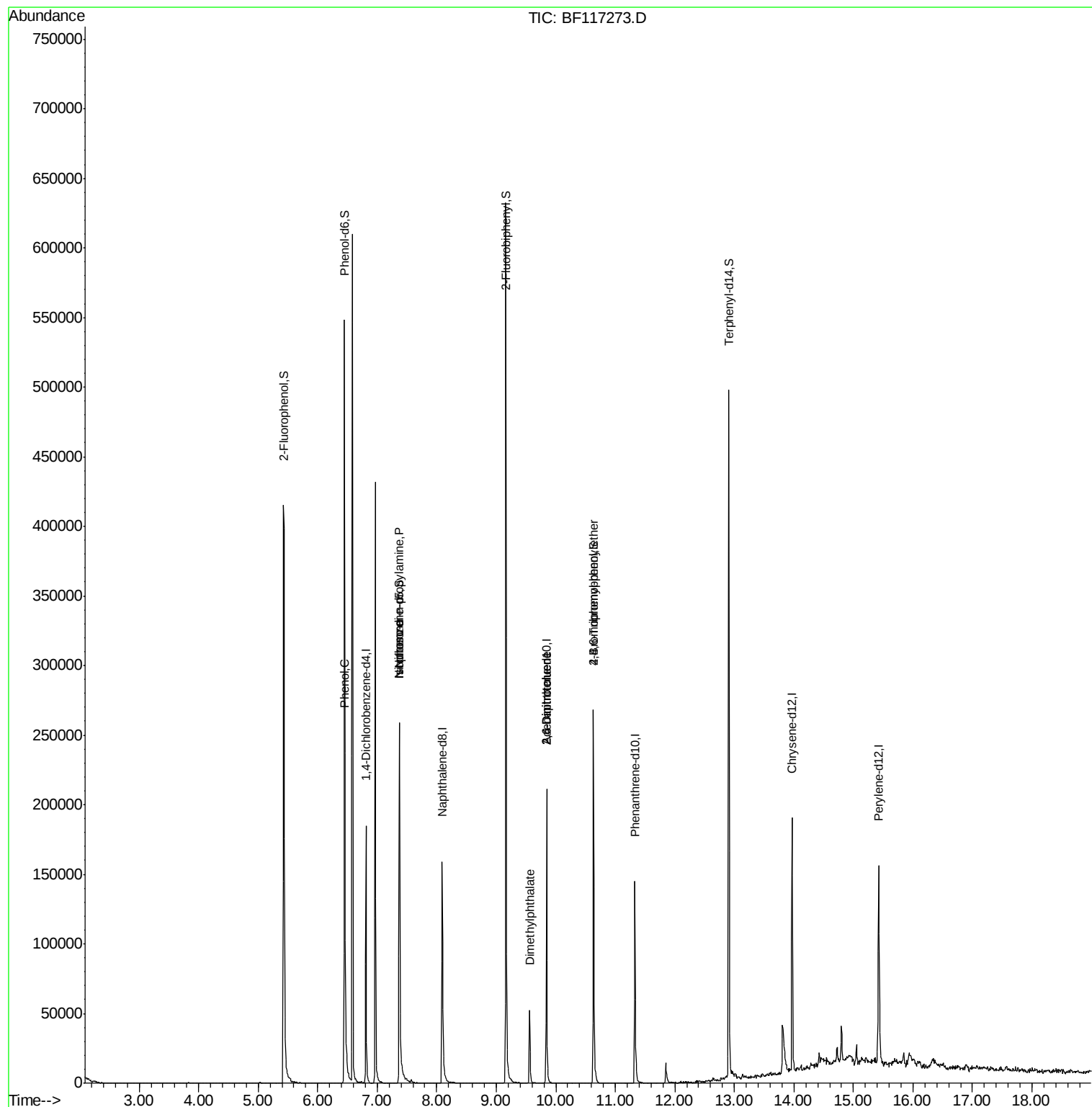
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	26946	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	104906	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	48620	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	69869	20.00	ng	0.00
76) Chrysene-d12	13.97	240	66578	20.00	ng	0.00
87) Perylene-d12	15.43	264	72392	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	152350	88.27	ng	0.00
7) Phenol-d6	6.45	99	206731	92.68	ng	0.00
23) Nitrobenzene-d5	7.37	82	125436	62.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	33097	81.45	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	206194	66.31	ng	-0.01
79) Terphenyl-d14	12.91	244	168779	47.39	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	4156	Below Cal		Qvalue # 65
10) Phenol	6.46	94	5975	2.430	ng	83
19) n-Nitroso-di-n-propylamine	7.37	70	16446	12.108	ng	# 79
25) Isophorone	7.37	82	125435	35.482	ng	# 66
50) Dimethylphthalate	9.56	163	28544	8.292	ng	99
51) 2,6-Dinitrotoluene	9.85	165	6035	8.607	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	6035	6.631	ng	# 18
67) 4-Bromophenyl-phenylether	10.63	248	2190	3.069	ng	# 1

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

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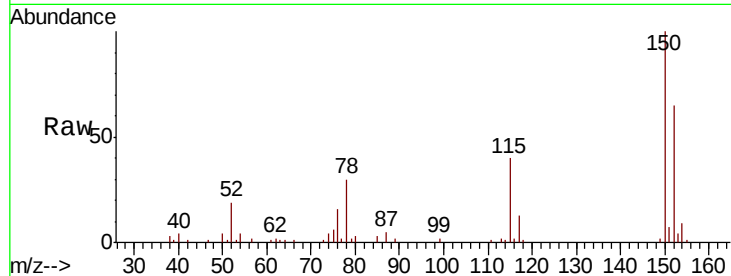




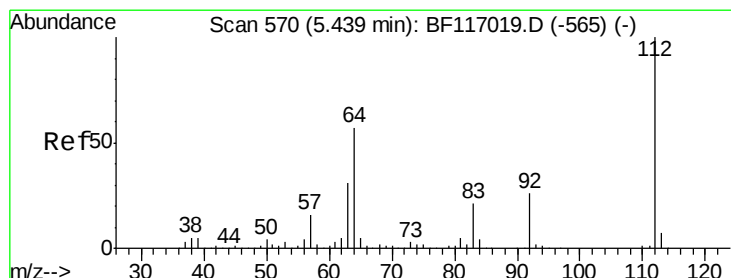
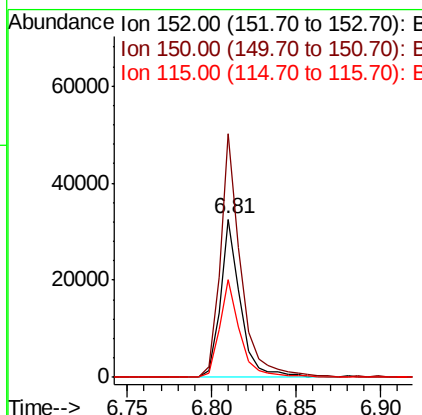
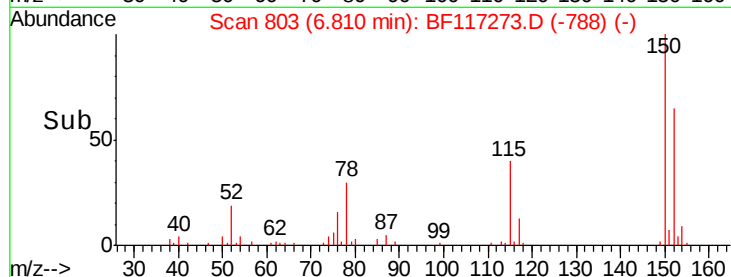
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF117273.D
 Acq: 30 Sep 2019 20:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 26946
 Ion Ratio Lower Upper
 152 100
 150 154.1 127.5 191.3
 115 62.2 55.0 82.4

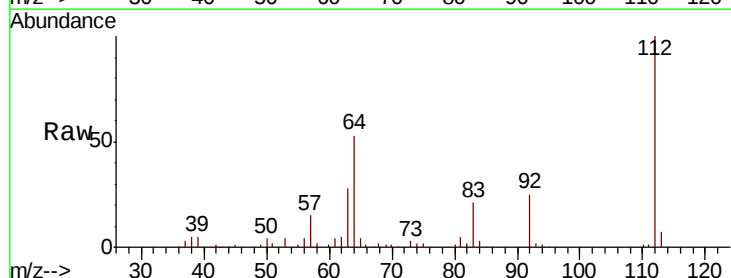


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

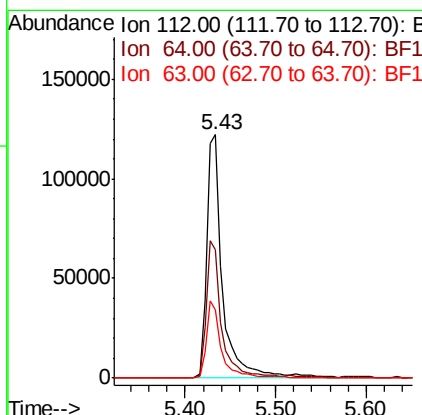
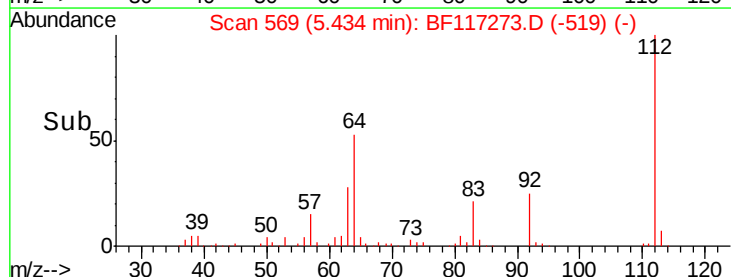


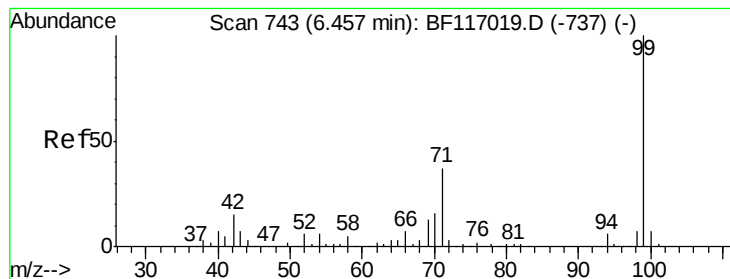
#5
 2-Fluorophenol
 Concen: 88.271 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF117273.D
 Acq: 30 Sep 2019 20:55

Tgt Ion:112 Resp: 152350
 Ion Ratio Lower Upper
 112 100
 64 52.8 45.7 68.5
 63 28.0 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: 92.683 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117273.D

Acq: 30 Sep 2019 20:55

Instrument :

BNA_F

ClientSampled :

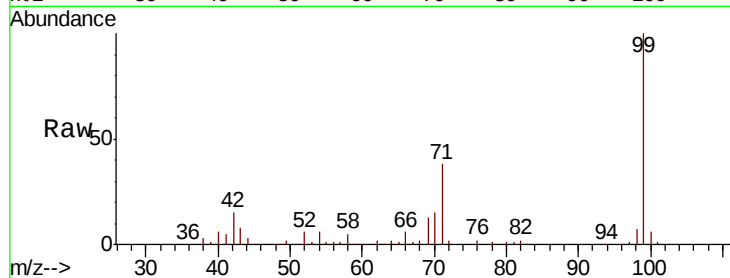
Tot Ion: 99 Resp: 206731

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

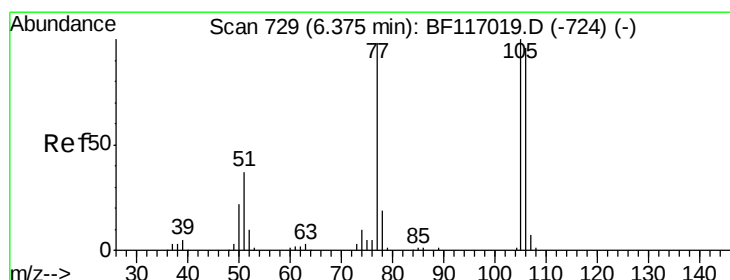
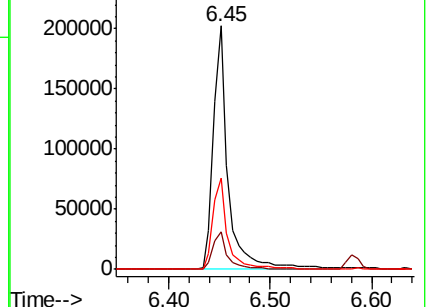
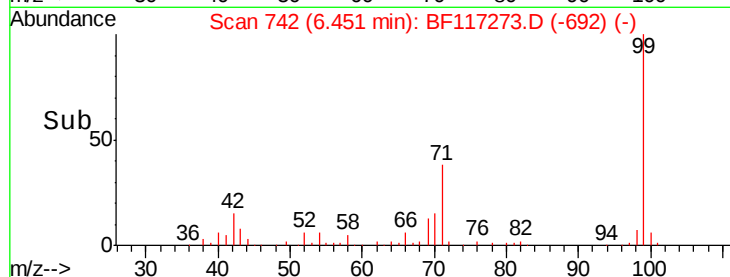
71 37.7 29.8 44.8



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: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF117273.D

Acq: 30 Sep 2019 20:55

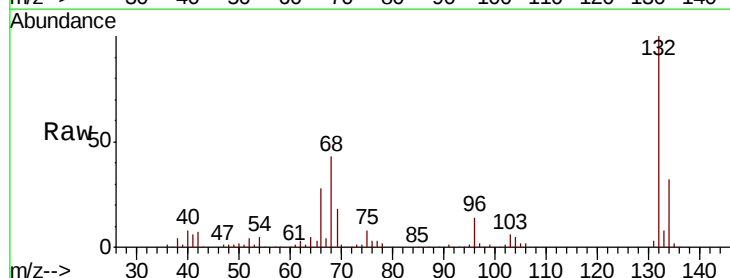
Tgt Ion: 77 Resp: 4156

Ion Ratio Lower Upper

77 100

105 71.6 81.8 121.8#

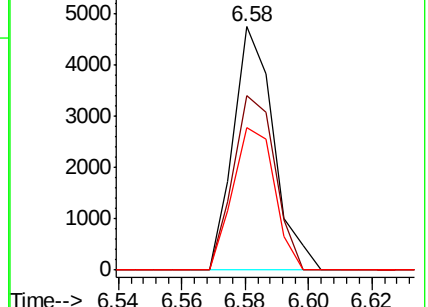
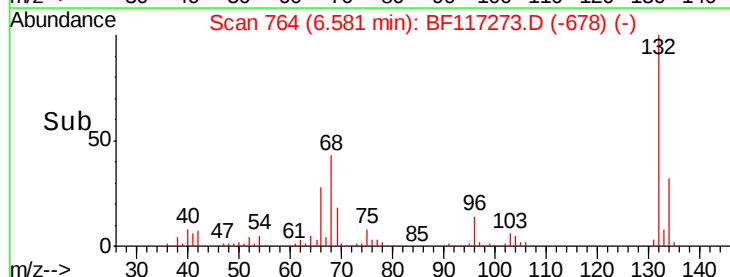
106 58.4 77.3 117.3#

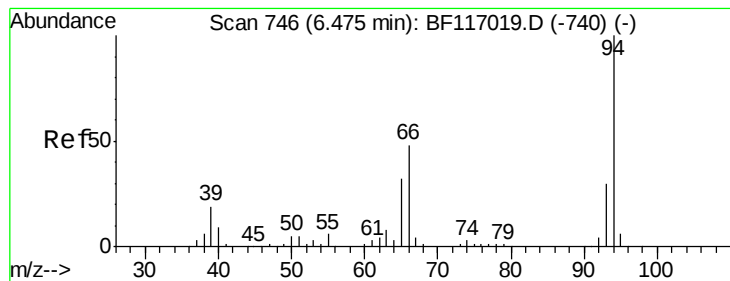


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.430 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF117273.D

Acq: 30 Sep 2019 20:55

Instrument :

BNA_F

ClientSampleId :

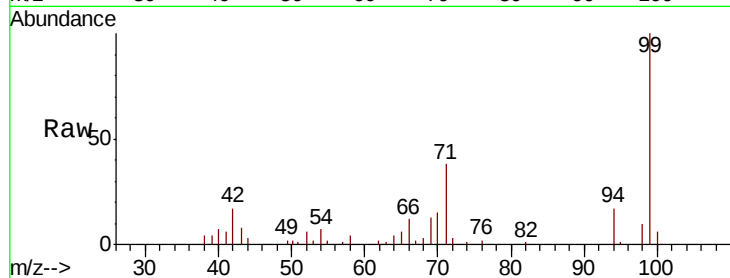
Tot Ion: 94 Resp: 5975

Ion Ratio Lower Upper

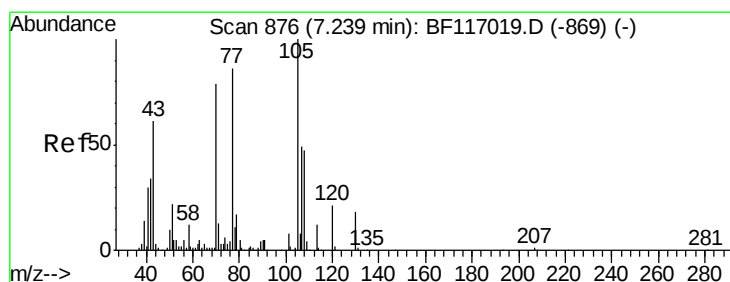
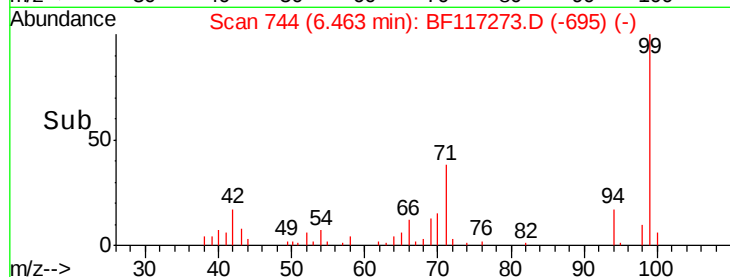
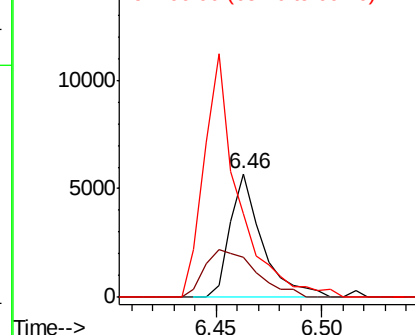
94 100

65 32.7 12.5 52.5

66 67.6 28.9 68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.108 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.13 min

Lab File: BF117273.D

Acq: 30 Sep 2019 20:55

Tgt Ion: 70 Resp: 16446

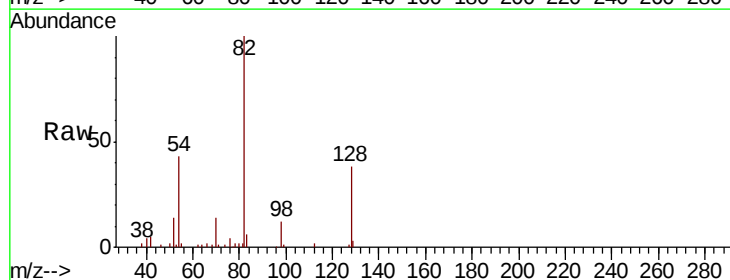
Ion Ratio Lower Upper

70 100

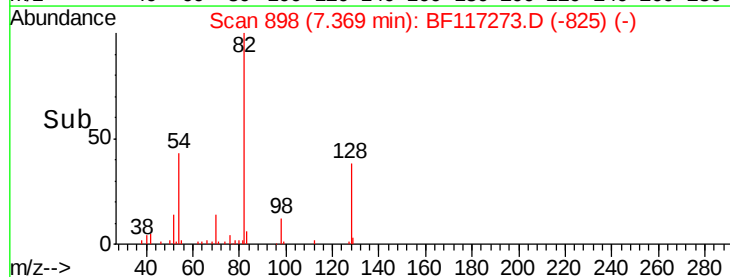
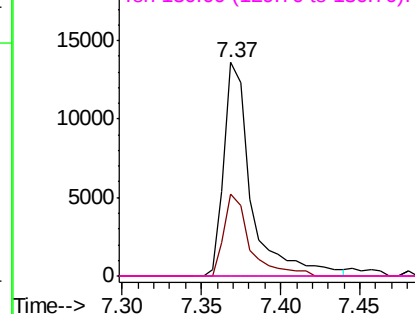
42 38.4 34.0 51.0

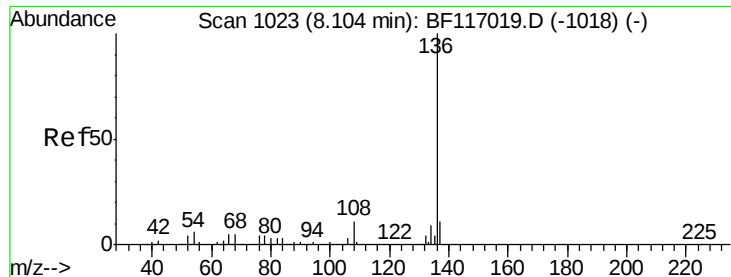
101 0.0 7.8 11.6#

130 0.0 17.8 26.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

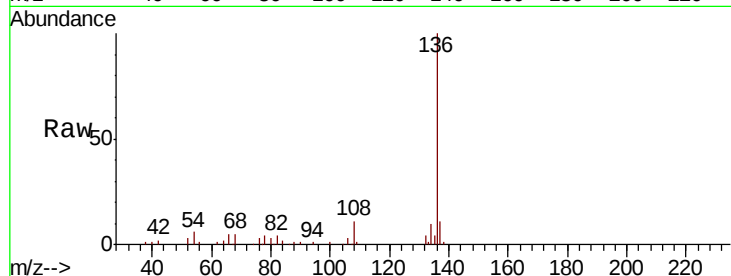




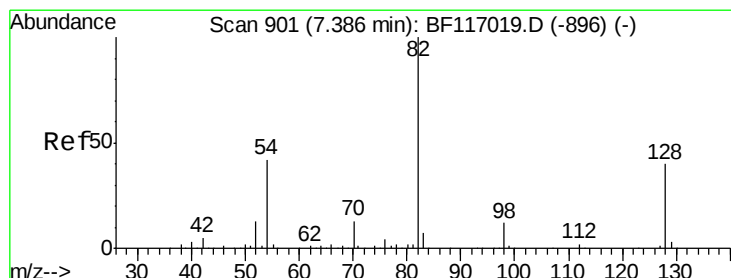
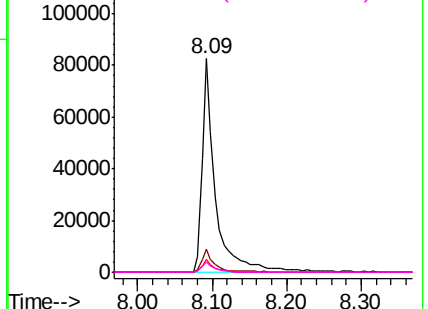
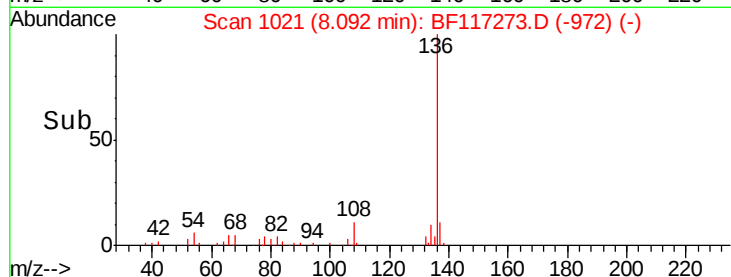
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117273.D
Acq: 30 Sep 2019 20:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	104906
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.0 13.4
54	5.9	4.5 6.7
68	4.5	4.0 6.0

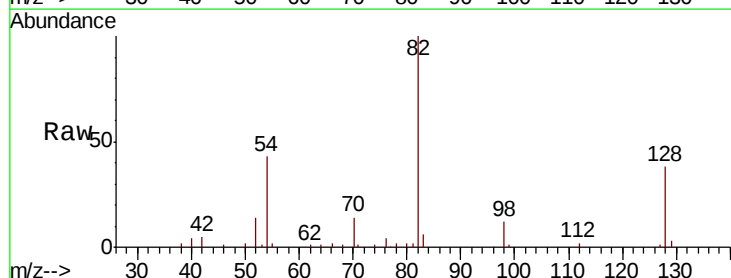


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

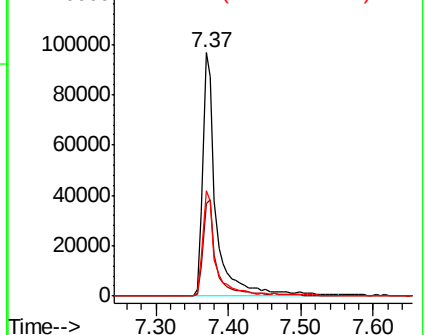
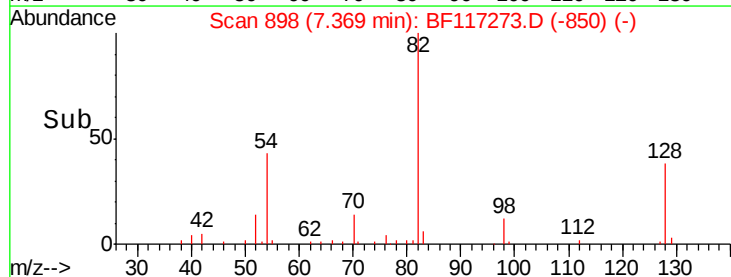


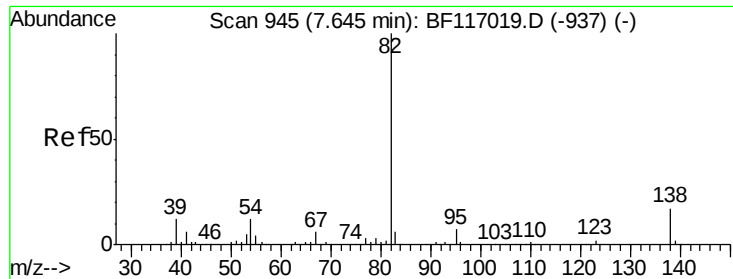
#23
Nitrobenzene-d5
Concen: 62.825 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117273.D
Acq: 30 Sep 2019 20:55

Tgt Ion: 82	Resp:	125436
Ion	Ratio	Lower Upper
82	100	
128	38.0	32.3 48.5
54	43.4	33.3 49.9



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





#25

Isophorone

Concen: 35.482 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.28 min

Lab File: BF117273.D

Acq: 30 Sep 2019 20:55

Instrument :

BNA_F

ClientSampleId :

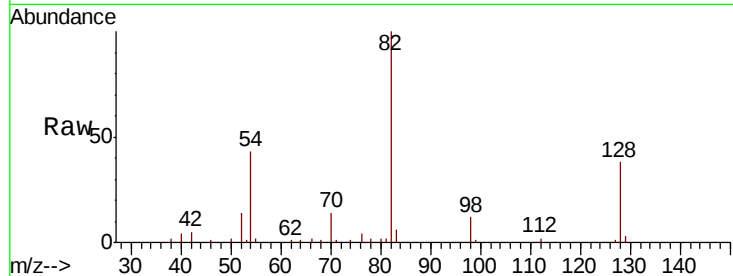
Tot Ion: 82 Resp: 125435

Ion Ratio Lower Upper

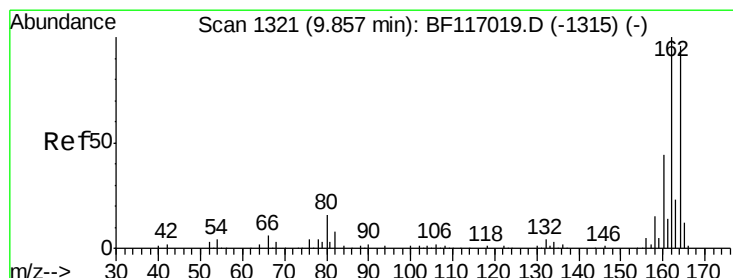
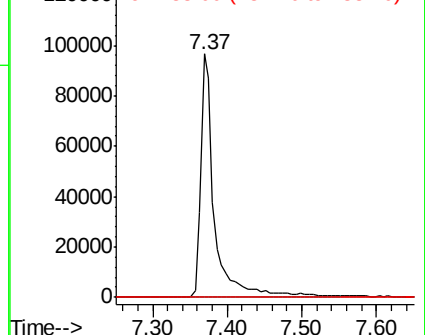
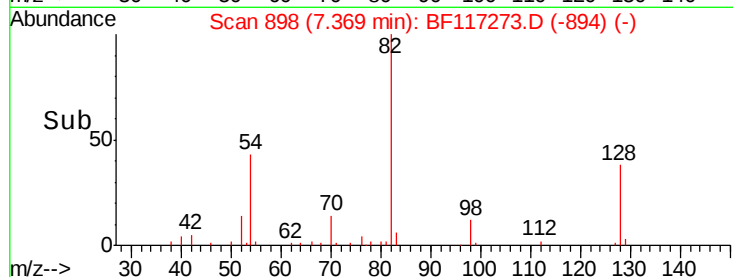
82 100

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# 1319

Delta R.T. -0.01 min

Lab File: BF117273.D

Acq: 30 Sep 2019 20:55

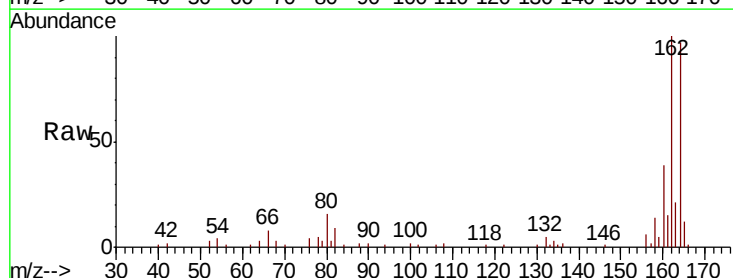
Tgt Ion: 164 Resp: 48620

Ion Ratio Lower Upper

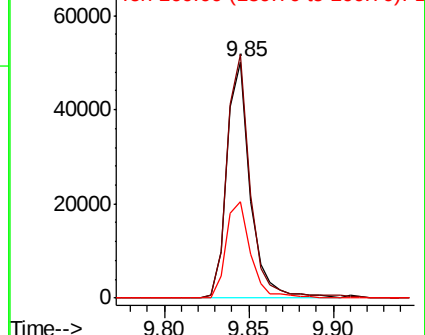
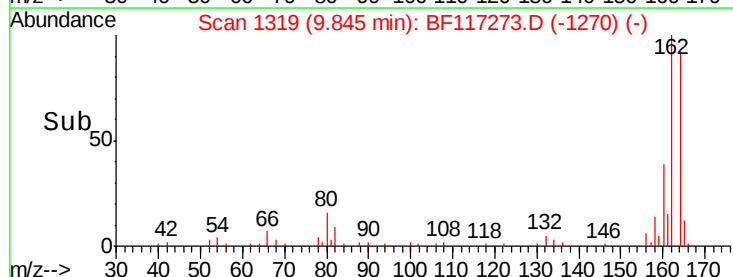
164 100

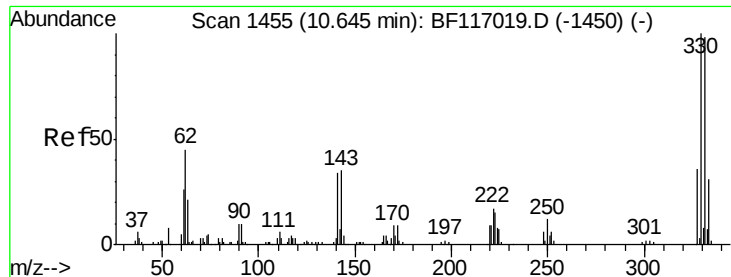
162 103.1 83.4 125.2

160 40.7 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

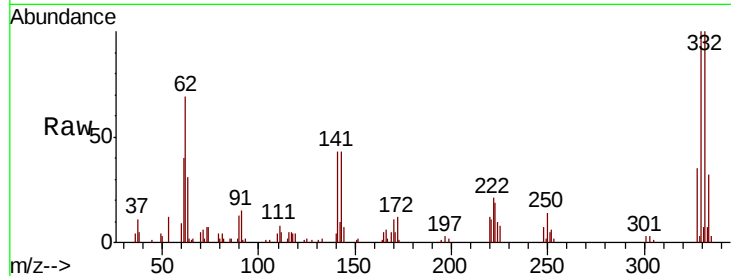




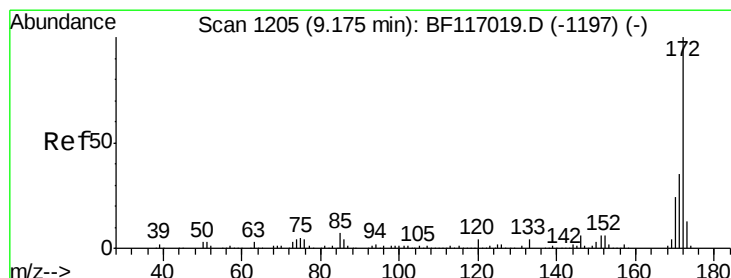
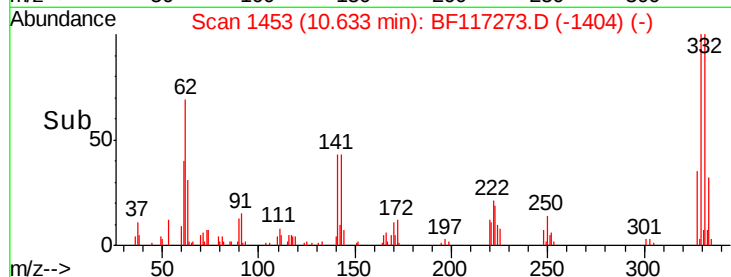
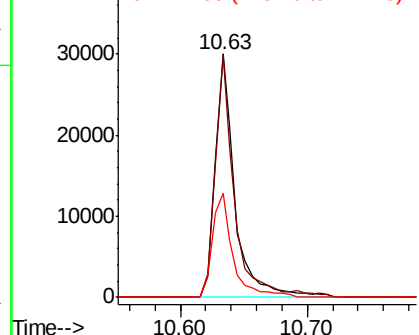
#42
 2,4,6-Tribromophenol
 Concen: 81.449 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF117273.D
 Acq: 30 Sep 2019 20:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	44.4	35.8	53.6

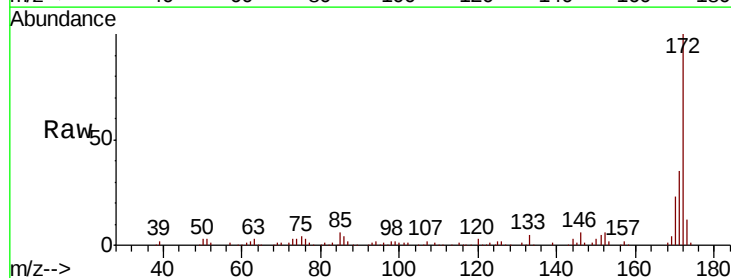


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

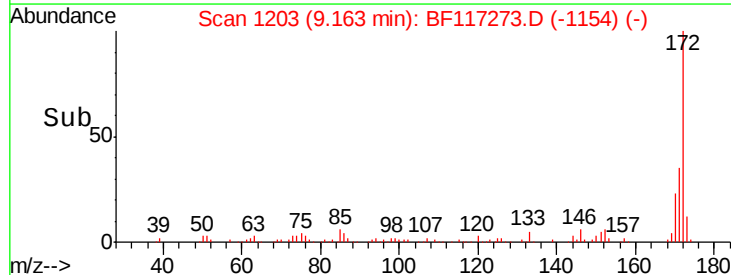
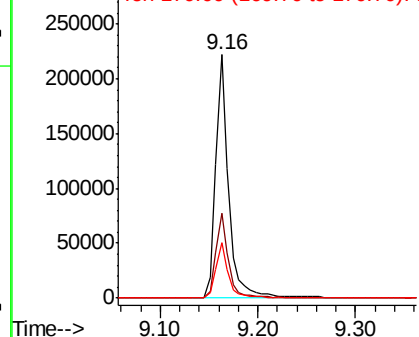


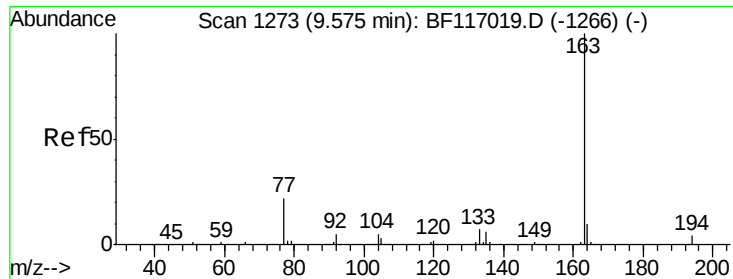
#45
 2-Fluorobiphenyl
 Concen: 66.310 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF117273.D
 Acq: 30 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	22.7	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

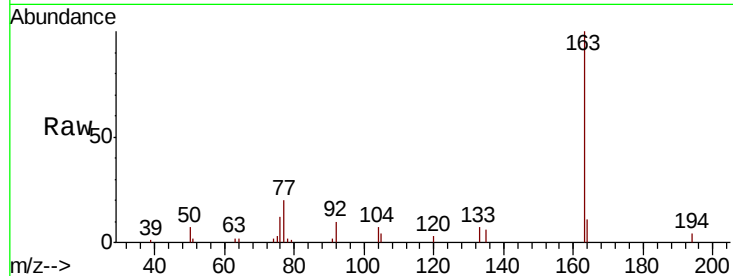




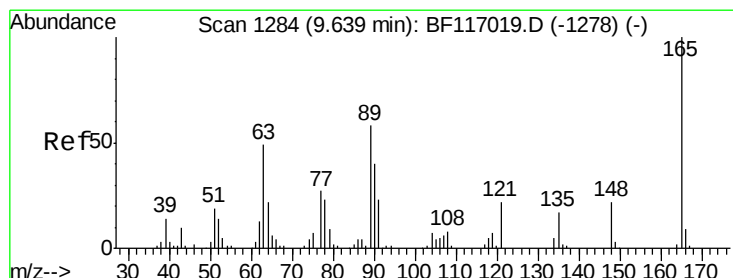
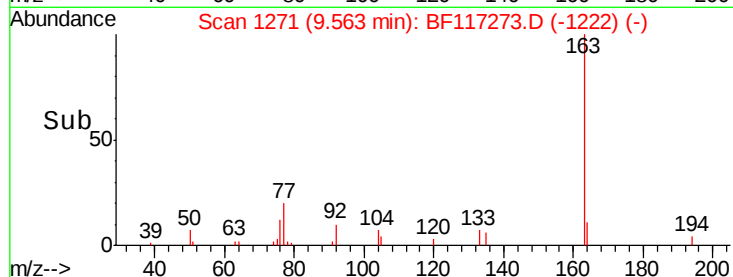
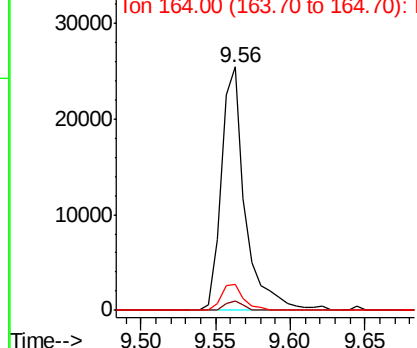
#50
Dimethylphthalate
Concen: 8.292 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117273.D
Acq: 30 Sep 2019 20:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 28544
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.5 8.2 12.4

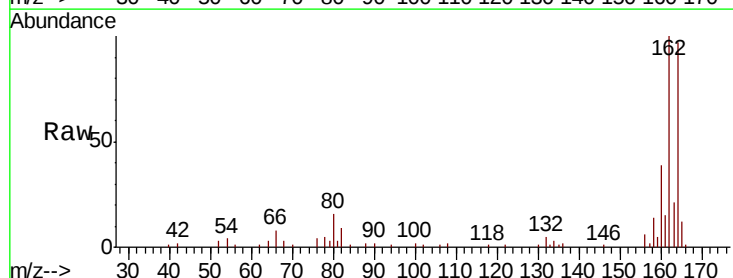


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

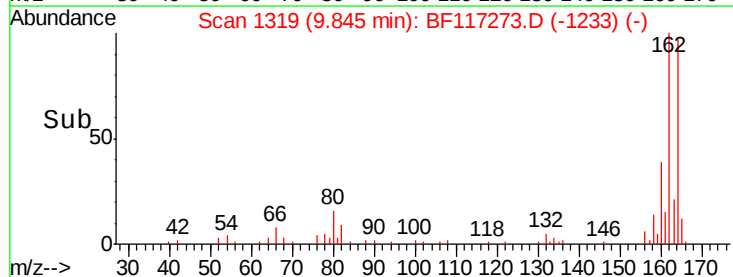
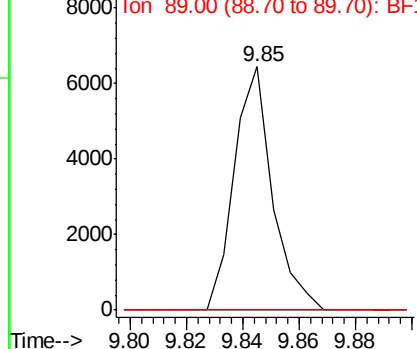


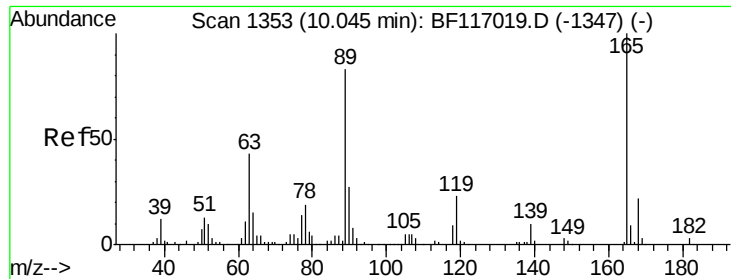
#51
2,6-Dinitrotoluene
Concen: 8.607 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF117273.D
Acq: 30 Sep 2019 20:55

Tgt Ion:165 Resp: 6035
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

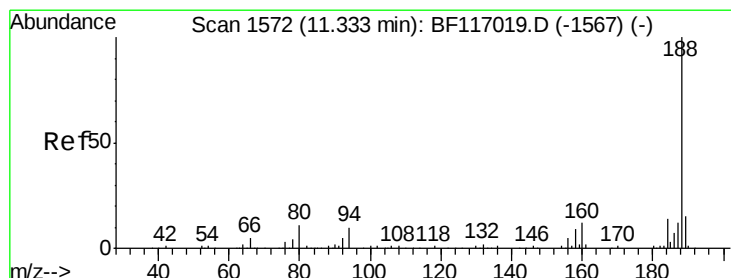
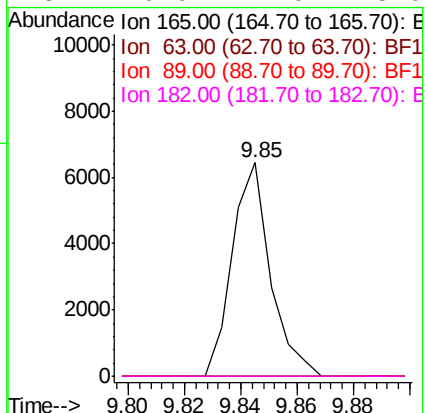
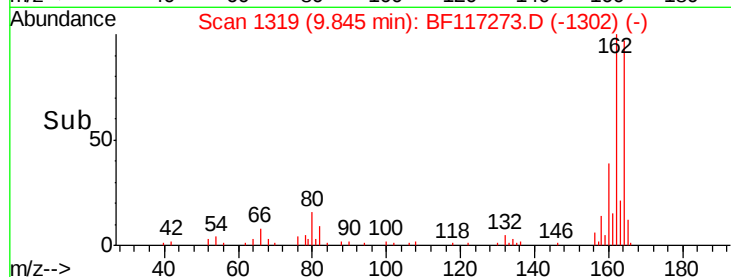
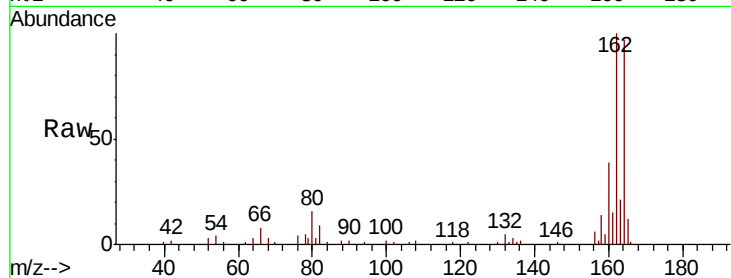




#57
 2,4-Dinitrotoluene
 Concen: 6.631 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117273.D
 Acq: 30 Sep 2019 20:55

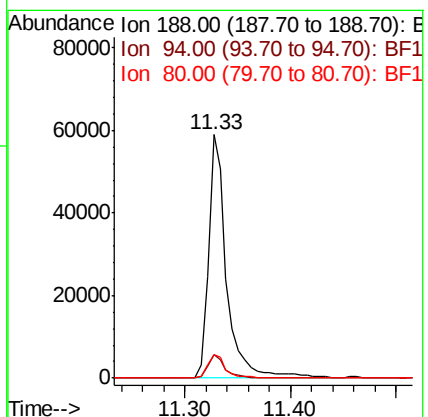
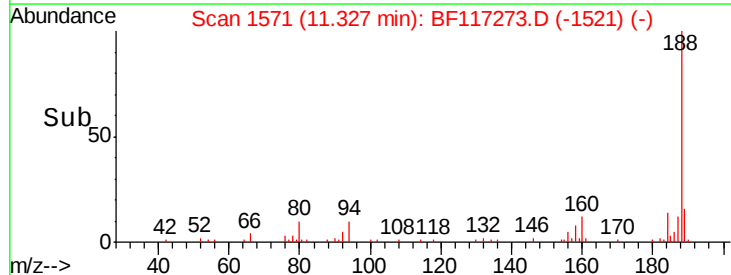
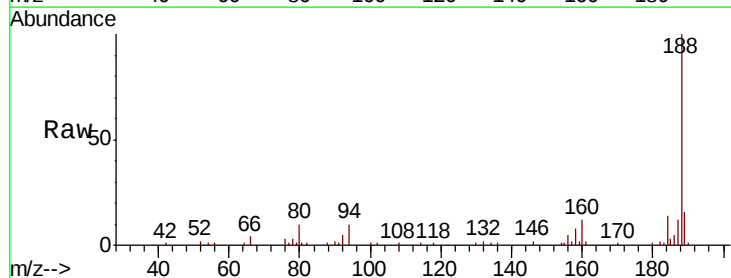
Instrument :
 BNA_F
 ClientSampleId :

Tot 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#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF117273.D
 Acq: 30 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.2
80	10.7	9.0	13.6

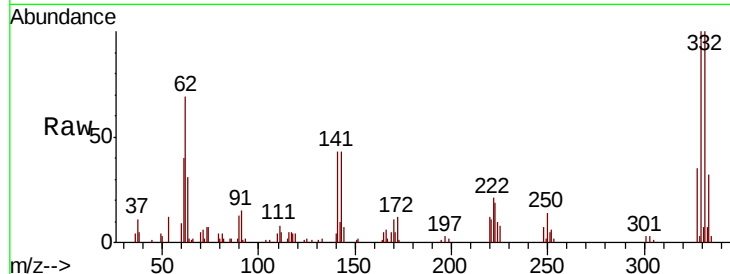




#67
 4-Bromophenyl-phenylether
 Concen: 3.069 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF117273.D
 Acq: 30 Sep 2019 20:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	185.5	76.2	114.4#
141	588.1	75.0	112.4#

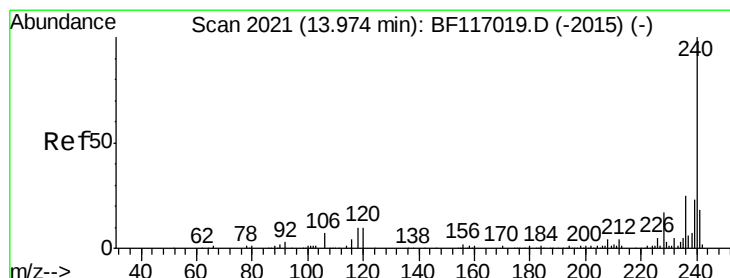
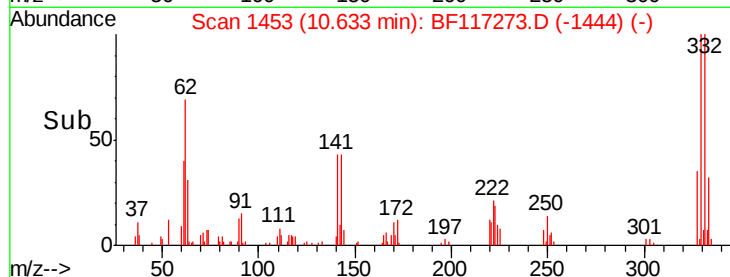
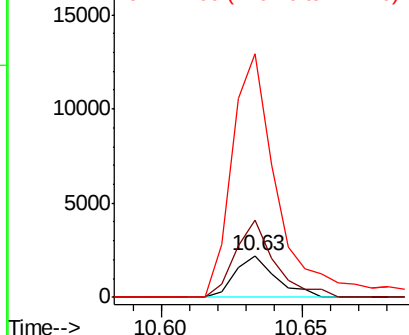


Abundance

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: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117273.D
 Acq: 30 Sep 2019 20:55

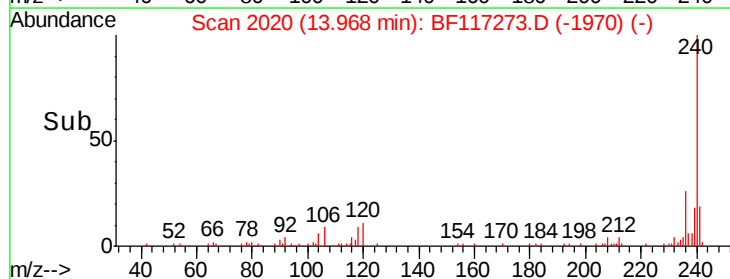
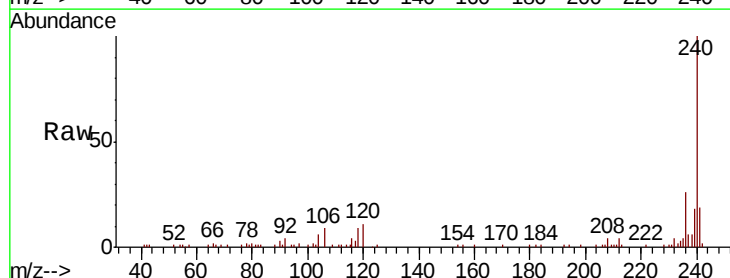
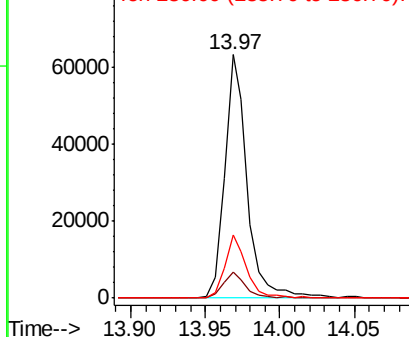
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.3	12.5
236	26.0	20.3	30.5

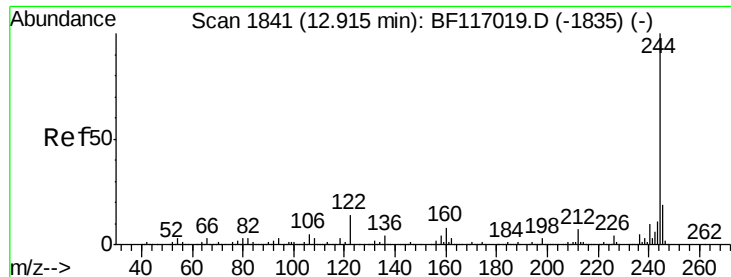
Abundance

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

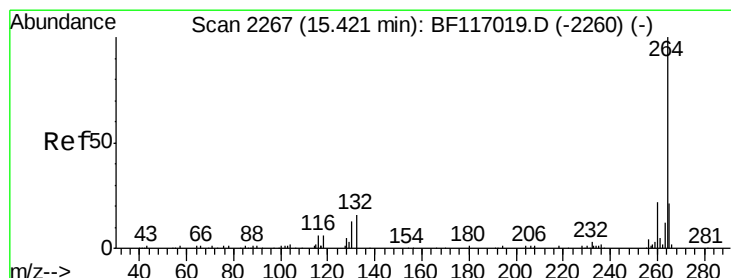
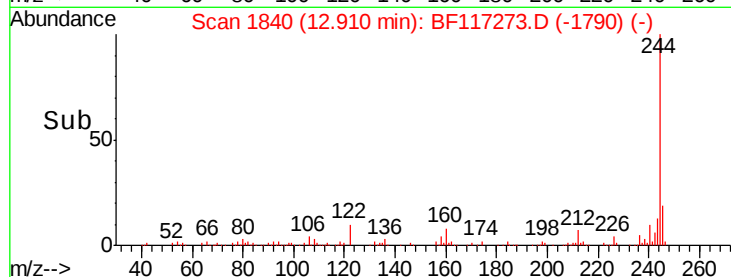
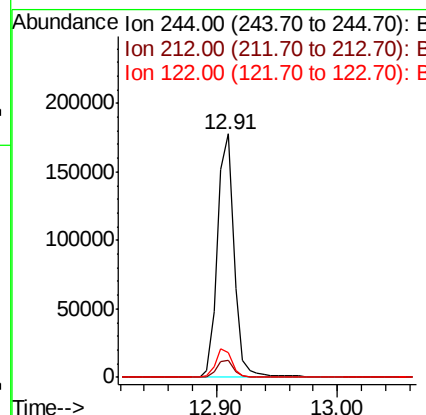
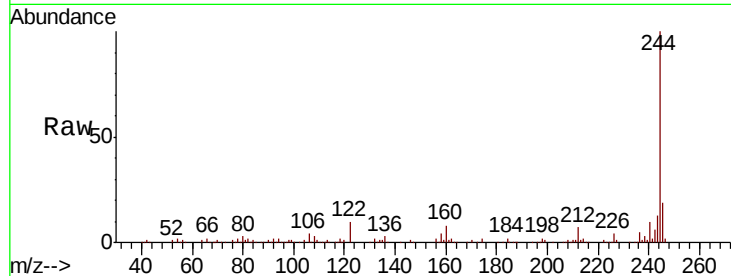




#79
 Terphenyl-d14
 Concen: 47.386 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117273.D
 Acq: 30 Sep 2019 20:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.4	11.3	16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117273.D
 Acq: 30 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.6	26.4
265	23.8	16.6	24.8

