

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093019\
 Data File : BF117271.D
 Acq On : 30 Sep 2019 20:02
 Operator : JU
 Sample : K5093-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 01 01:41:18 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

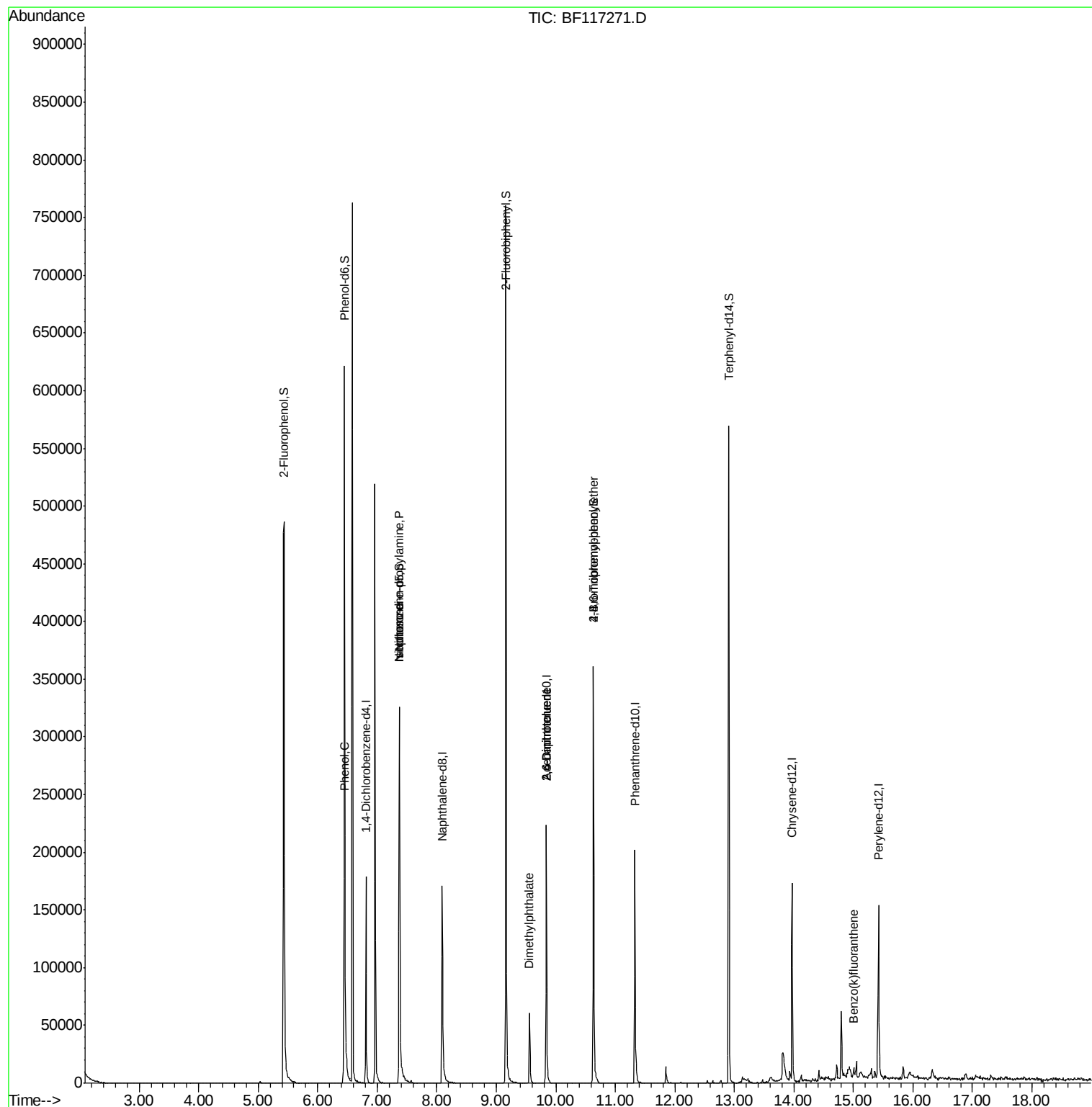
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	27657	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	110536	20.00	ng	-0.01
39) Acenaphthene-d10	9.84	164	55931	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	88976	20.00	ng	0.00
76) Chrysene-d12	13.97	240	61954	20.00	ng	0.00
87) Perylene-d12	15.42	264	71759	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	175105	98.85	ng	0.00
7) Phenol-d6	6.45	99	238076	103.99	ng	0.00
23) Nitrobenzene-d5	7.37	82	144297	68.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	45182	96.66	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	238128	66.57	ng	-0.01
79) Terphenyl-d14	12.91	244	203790	61.49	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	264	Below Cal	Qvalue	# 1
10) Phenol	6.46	94	6295	2.494 ng	#	80
19) n-Nitroso-di-n-propylamine	7.37	70	18421	13.214 ng	#	80
25) Isophorone	7.37	82	144295	38.738 ng	#	66
50) Dimethylphthalate	9.56	163	31052	7.841 ng		99
51) 2,6-Dinitrotoluene	9.84	165	7027	8.712 ng	#	24
57) 2,4-Dinitrotoluene	9.84	165	7027	6.712 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	2917	3.210 ng	#	1
89) Benzo(k)fluoranthene	15.00	252	8678	2.108 ng		94

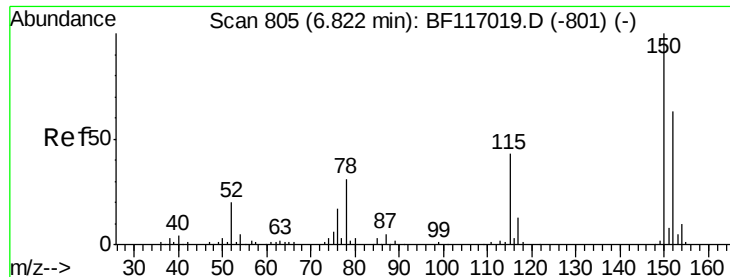
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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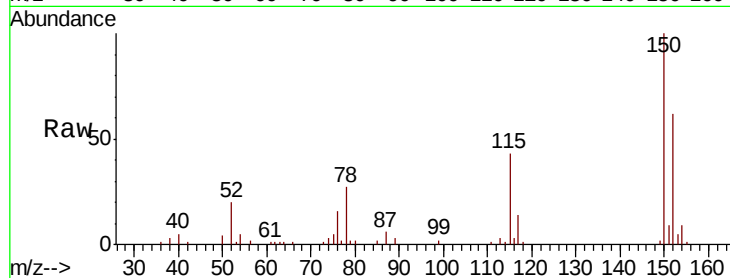


#1

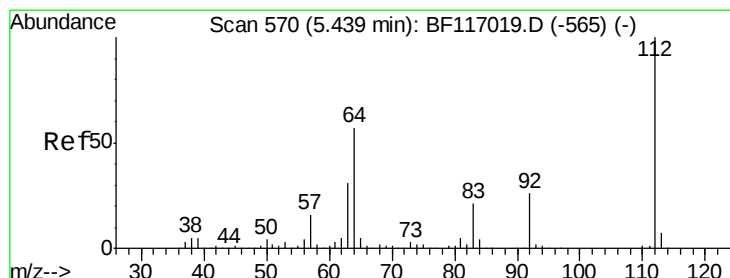
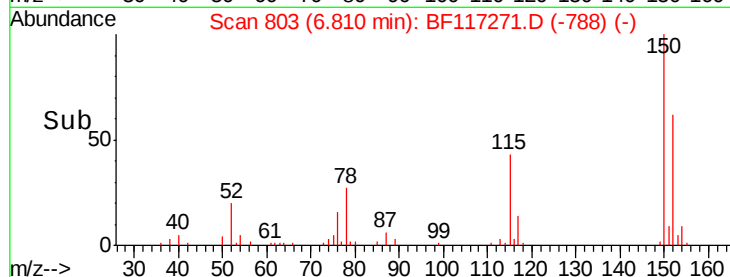
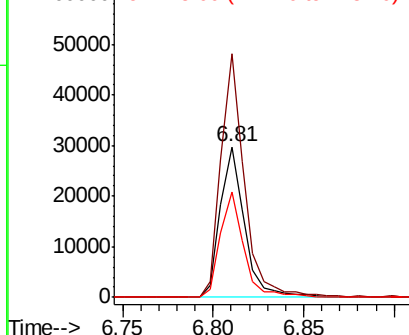
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117271.D
Acq: 30 Sep 2019 20:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 27657
Ion Ratio Lower Upper
152 100
150 161.5 127.5 191.3
115 69.5 55.0 82.4



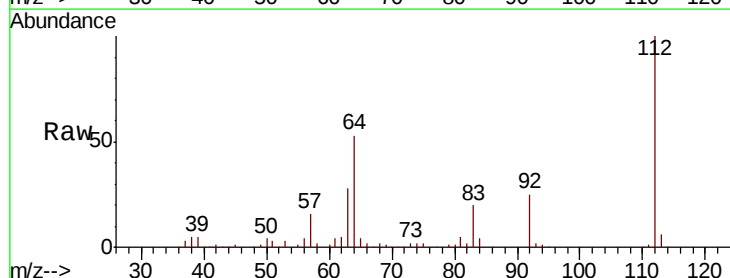
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



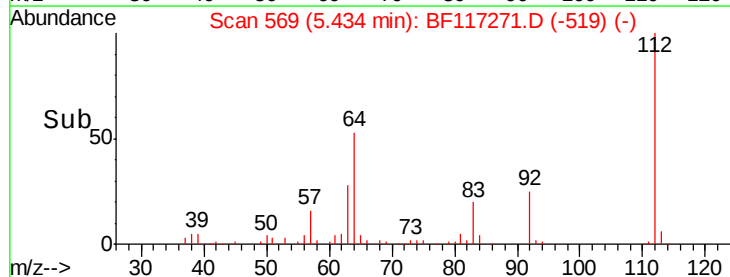
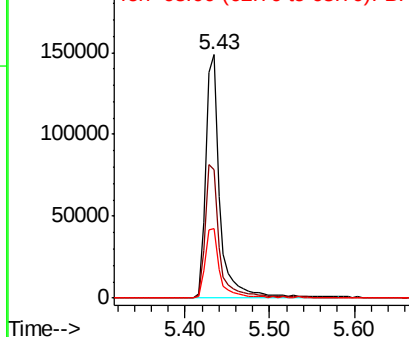
#5

2-Fluorophenol
Concen: 98.847 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117271.D
Acq: 30 Sep 2019 20:02

Tgt Ion:112 Resp: 175105
Ion Ratio Lower Upper
112 100
64 52.7 45.7 68.5
63 28.4 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: 103.992 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

Instrument :

BNA_F

ClientSampleId :

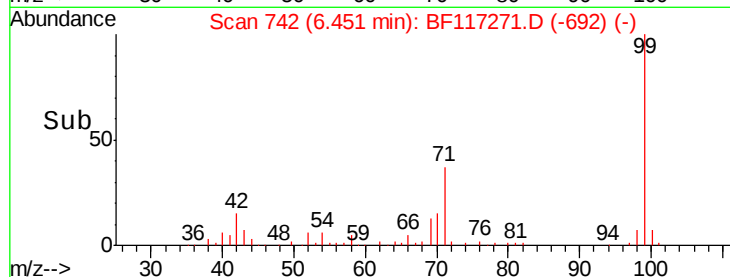
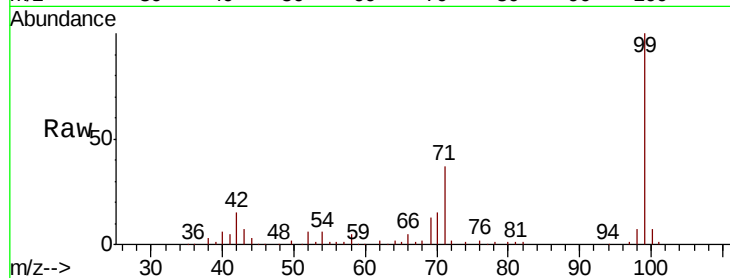
Tot Ion: 99 Resp: 238076

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

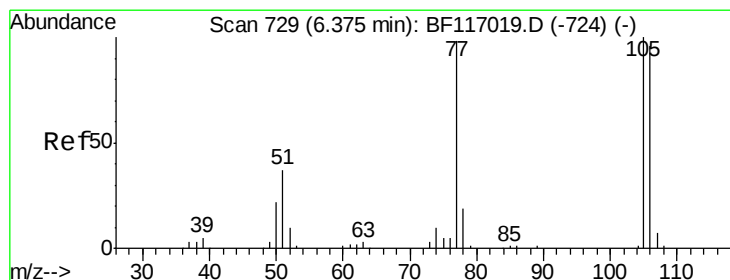
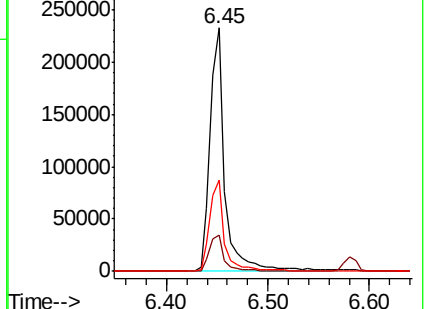
71 37.4 29.8 44.8



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: 6.45 min Scan# 741

Delta R.T. 0.07 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

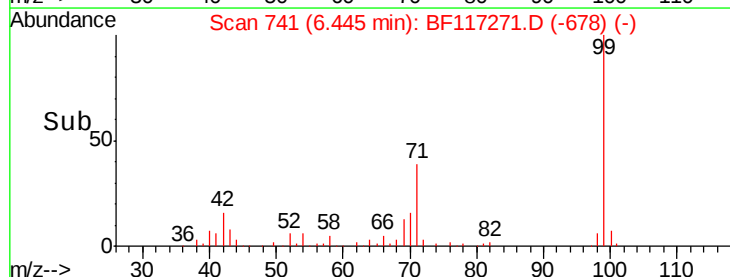
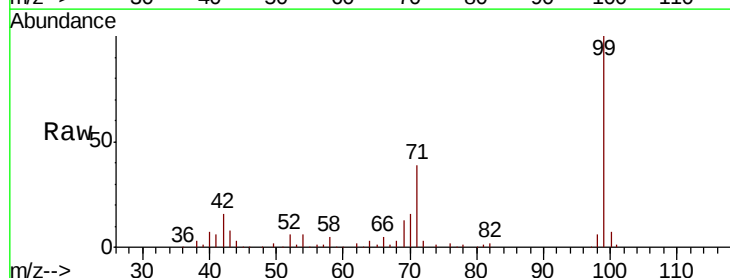
Tgt Ion: 77 Resp: 264

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

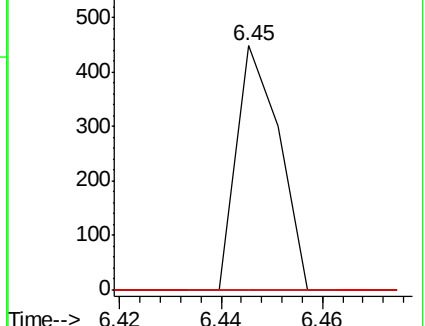
106 0.0 77.3 117.3#

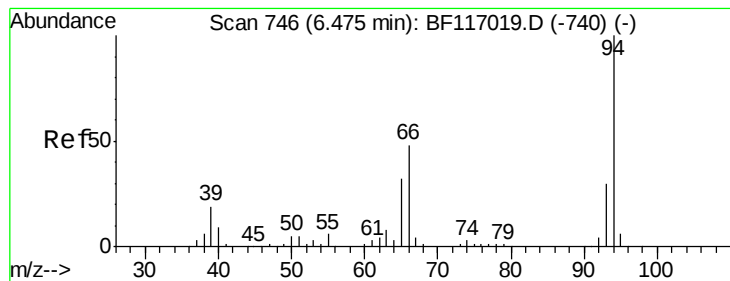


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.494 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

Instrument :

BNA_F

ClientSampled :

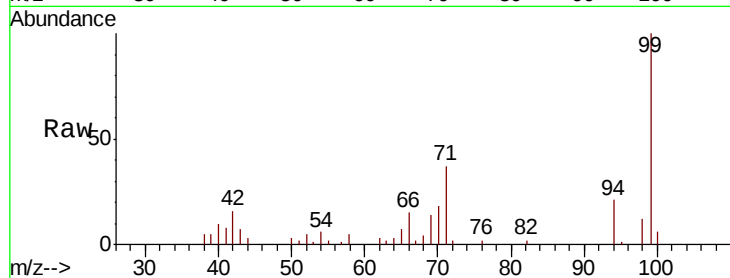
Tot Ion: 94 Resp: 6295

Ion Ratio Lower Upper

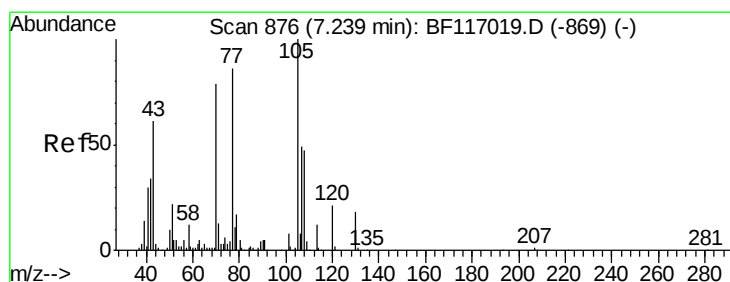
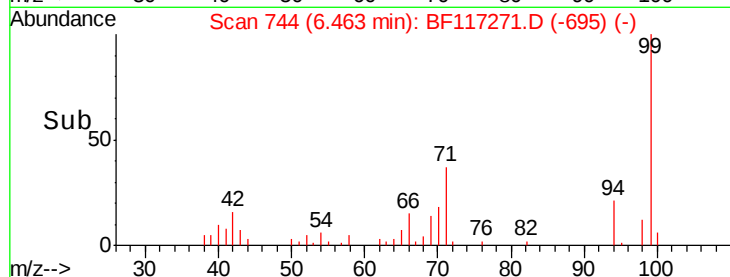
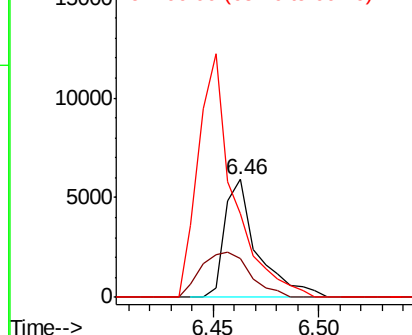
94 100

65 32.7 12.5 52.5

66 71.3 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: 13.214 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.13 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

Tgt Ion: 70 Resp: 18421

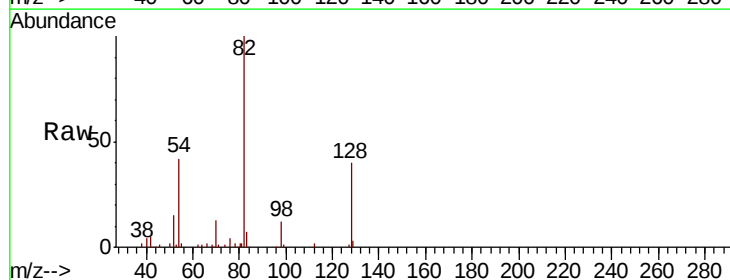
Ion Ratio Lower Upper

70 100

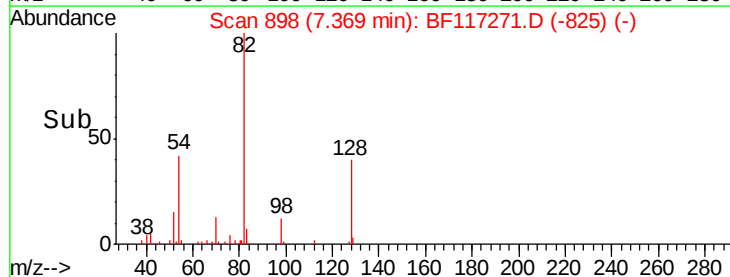
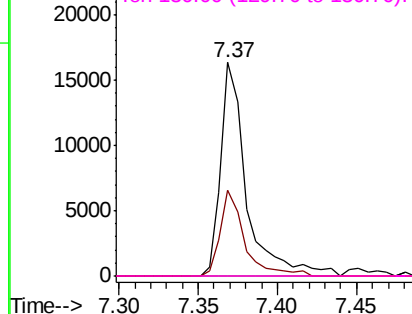
42 40.0 34.0 51.0

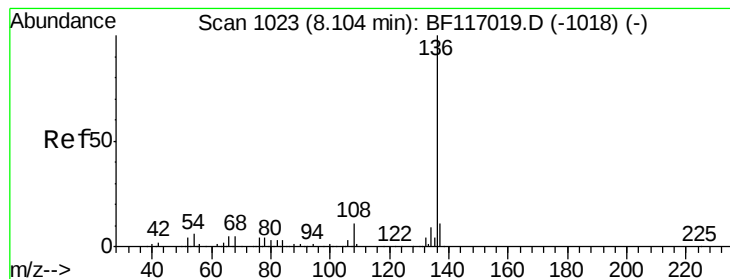
101 0.0 7.8 11.6#

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: BF117271.D

Acq: 30 Sep 2019 20:02

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 110536

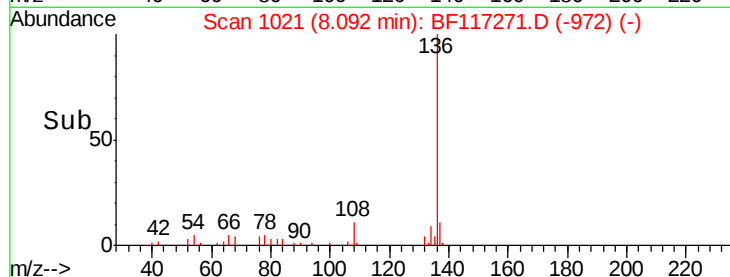
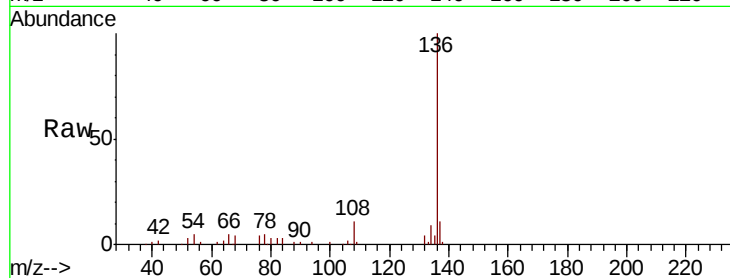
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 5.3 4.5 6.7

68 3.8 4.0 6.0#

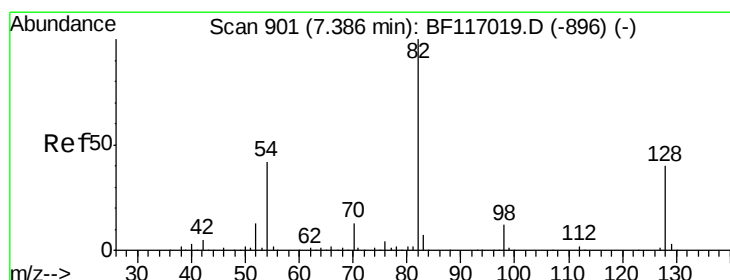
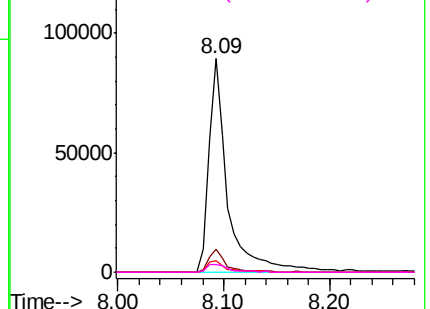


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.590 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

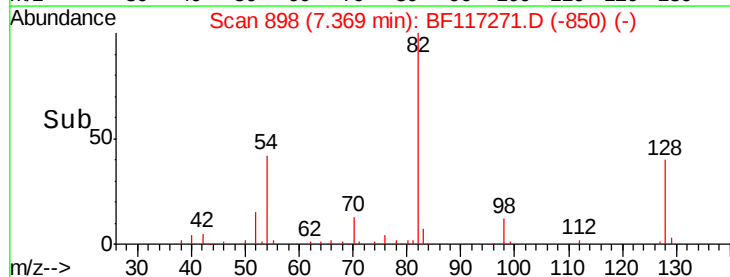
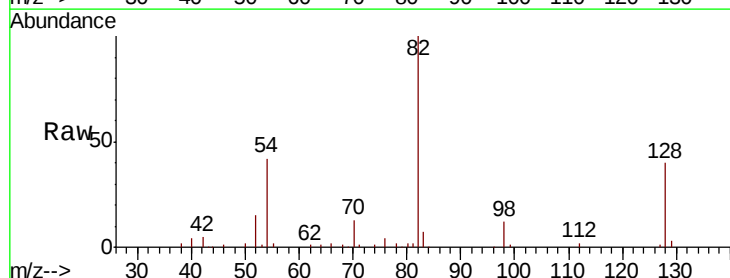
Tgt Ion: 82 Resp: 144297

Ion Ratio Lower Upper

82 100

128 39.8 32.3 48.5

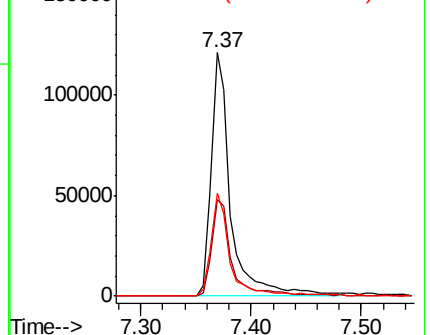
54 42.4 33.3 49.9

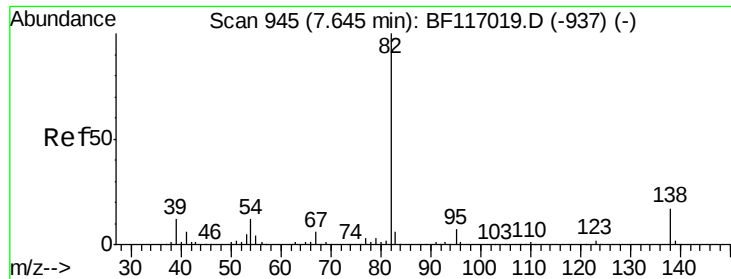


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.738 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.28 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

Instrument :

BNA_F

ClientSampleId :

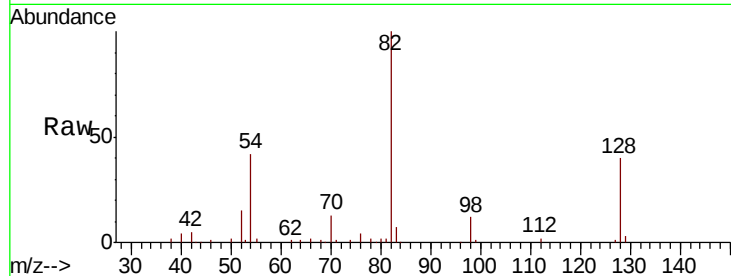
Tot Ion: 82 Resp: 144295

Ion Ratio Lower Upper

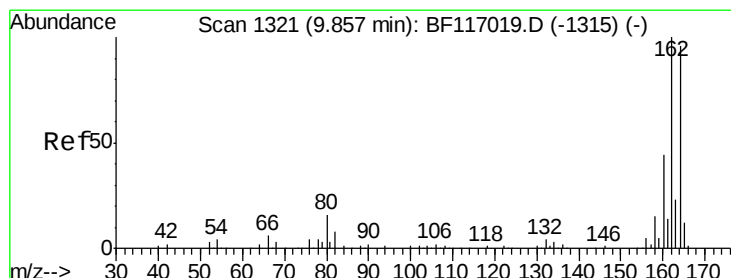
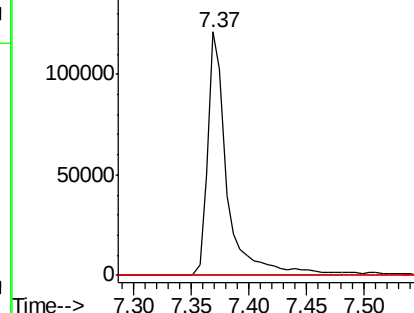
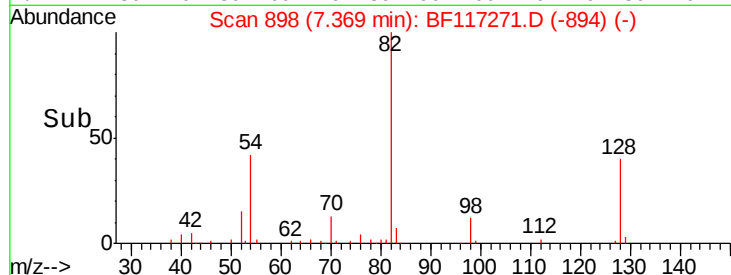
82 100

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: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

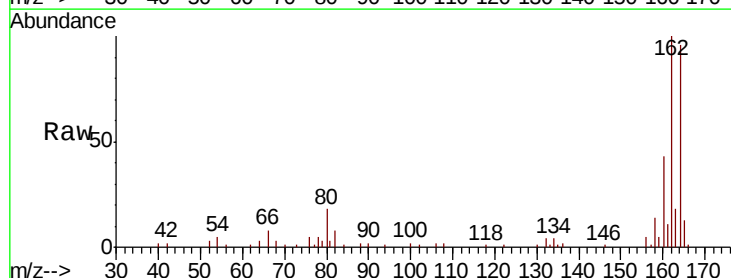
Tgt Ion: 164 Resp: 55931

Ion Ratio Lower Upper

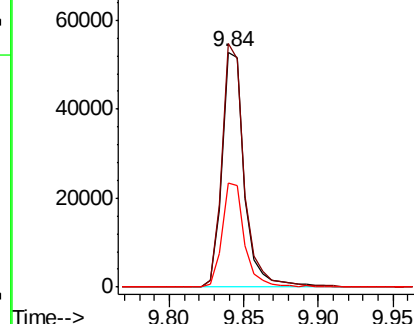
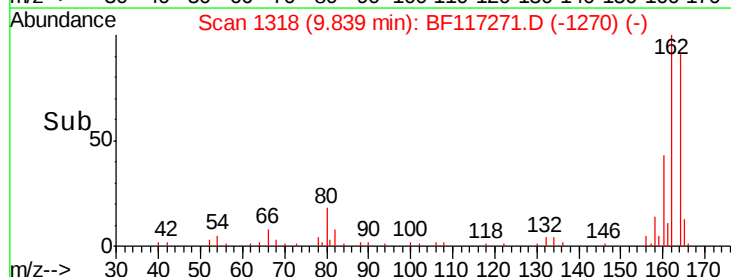
164 100

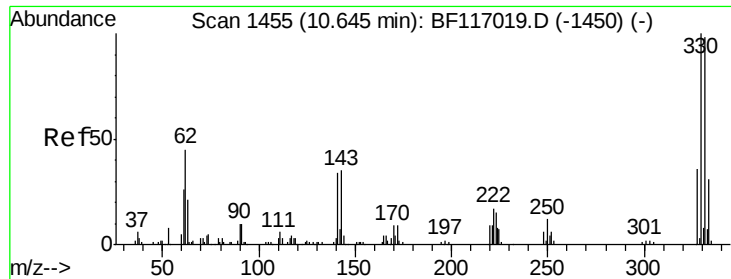
162 103.7 83.4 125.2

160 44.1 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

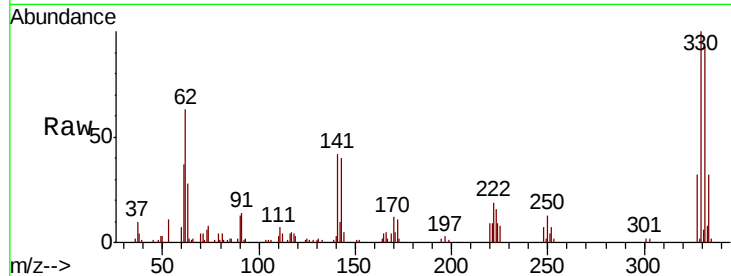




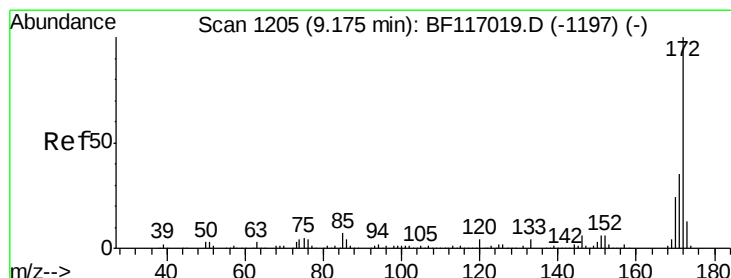
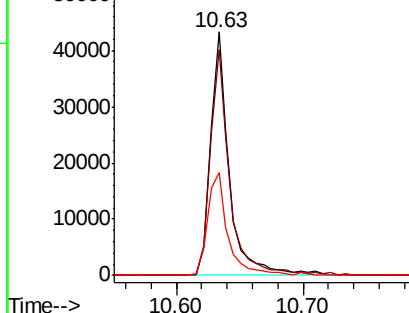
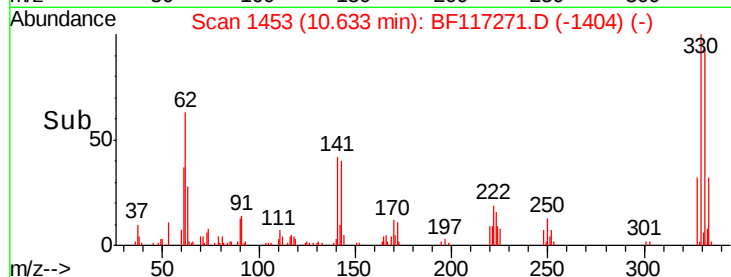
#42
 2,4,6-Tribromophenol
 Concen: 96.655 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF117271.D
 Acq: 30 Sep 2019 20:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 45182
 Ion Ratio Lower Upper
 330 100
 332 94.5 78.0 117.0
 141 45.1 35.8 53.6

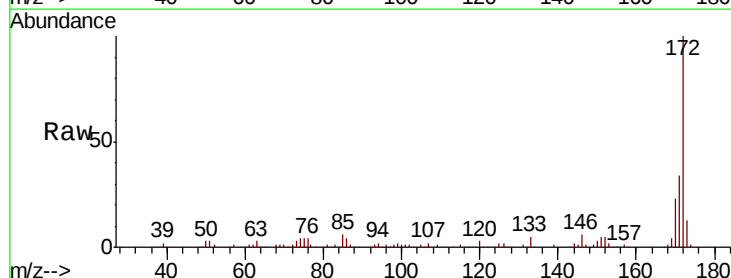


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

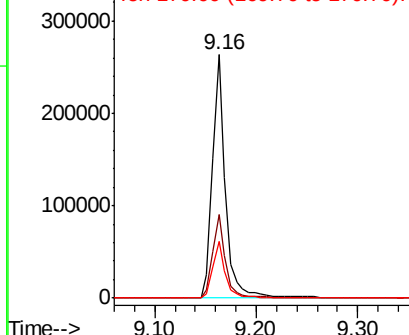
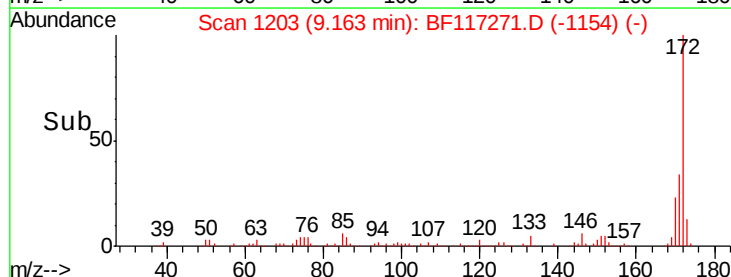


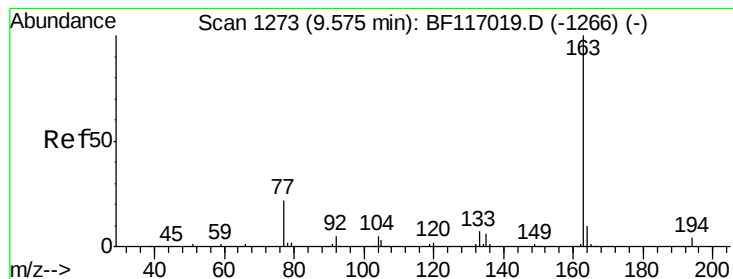
#45
 2-Fluorobiphenyl
 Concen: 66.570 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF117271.D
 Acq: 30 Sep 2019 20:02

Tgt Ion:172 Resp: 238128
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.2 42.2
 170 23.5 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: 7.841 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

Instrument :

BNA_F

ClientSampleId :

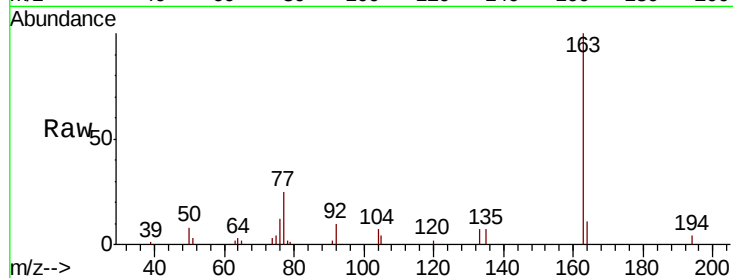
Tot Ion:163 Resp: 31052

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

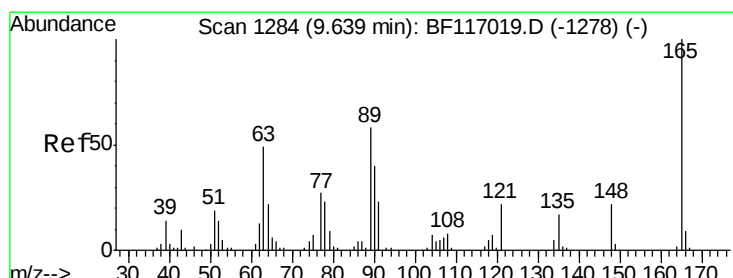
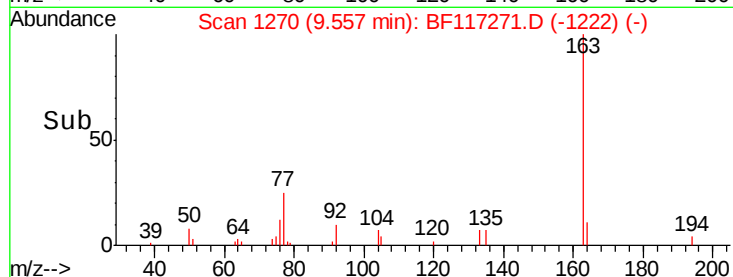
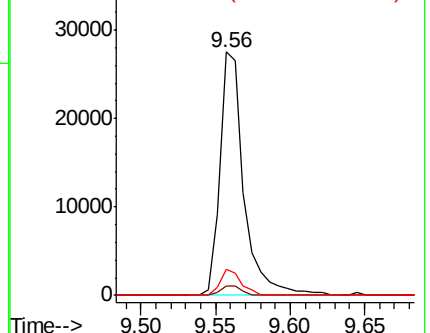
164 10.7 8.2 12.4



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: 8.712 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

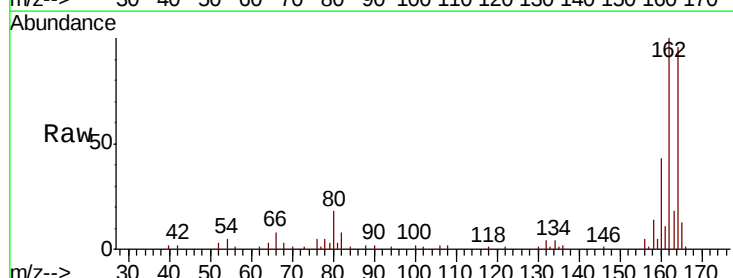
Tgt Ion:165 Resp: 7027

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

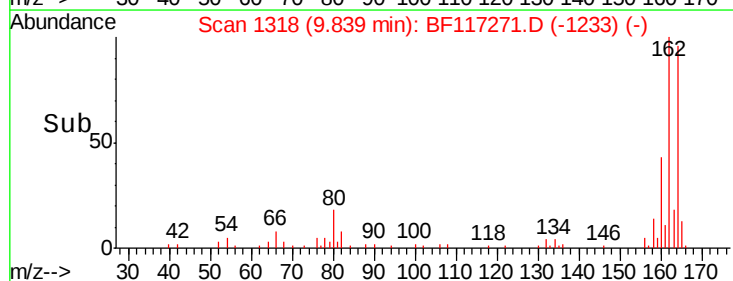
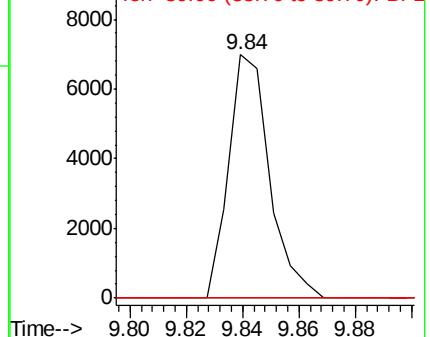
89 0.0 46.5 69.7#

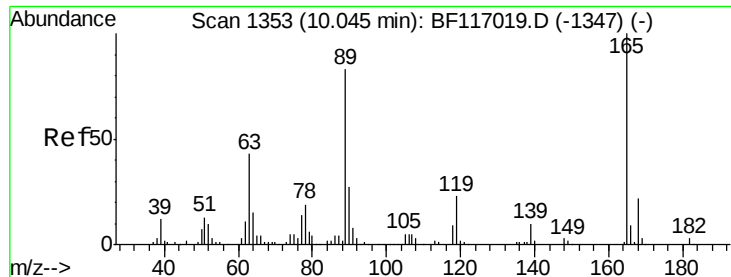


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

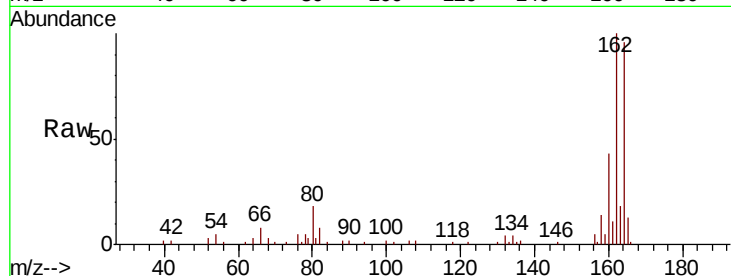




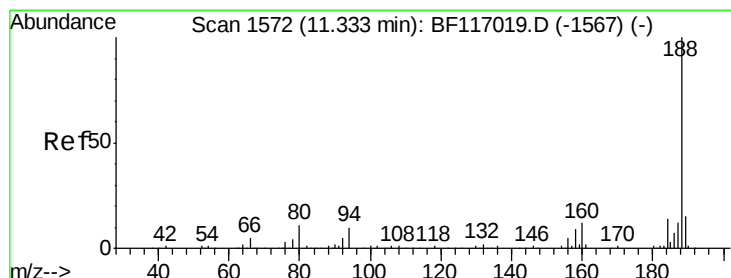
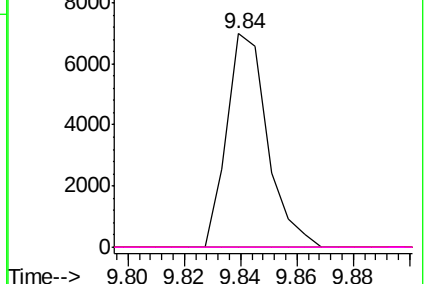
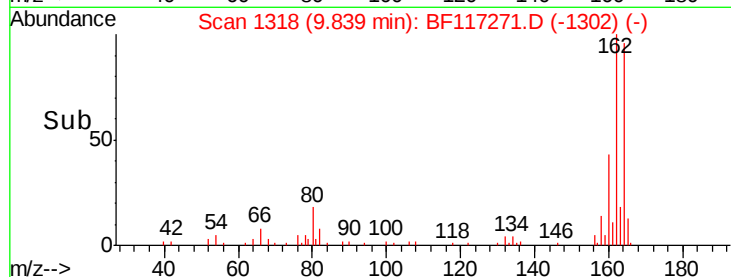
#57
 2,4-Dinitrotoluene
 Concen: 6.712 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117271.D
 Acq: 30 Sep 2019 20:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 7027
 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#

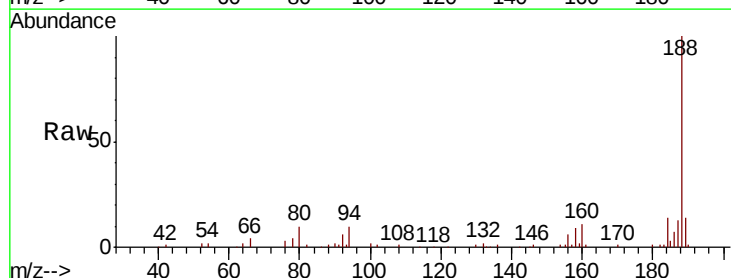


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

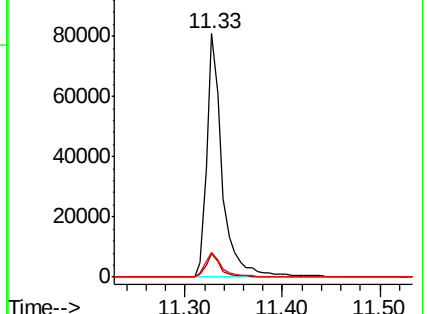
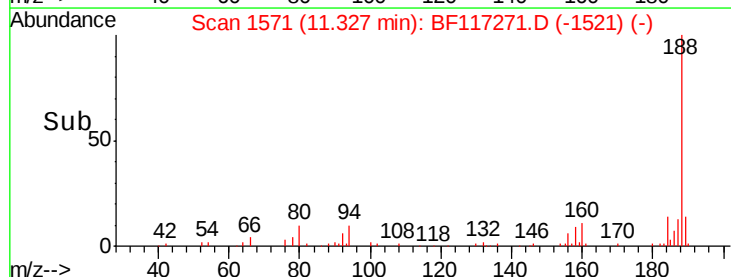


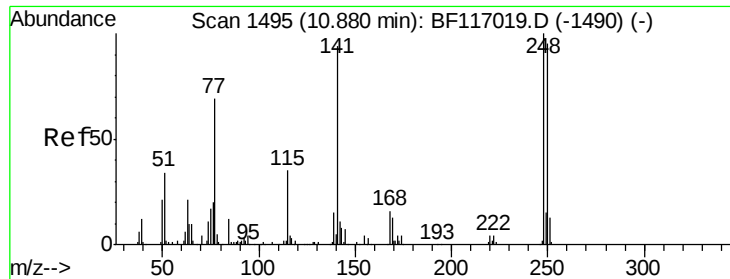
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF117271.D
 Acq: 30 Sep 2019 20:02

Tgt Ion:188 Resp: 88976
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.2 12.2
 80 10.2 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

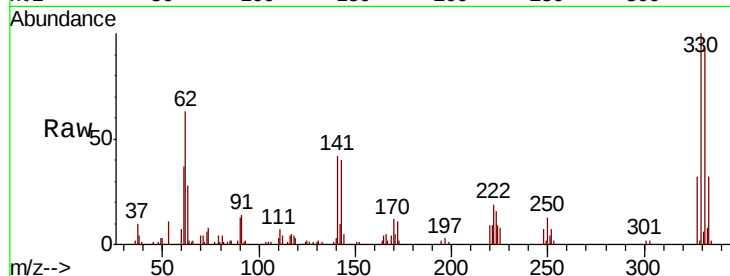




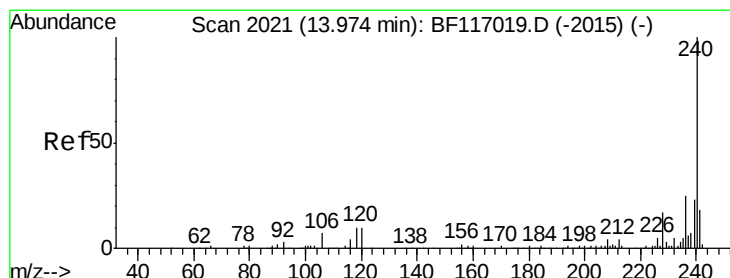
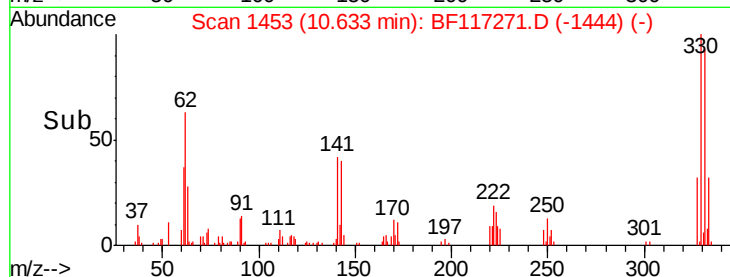
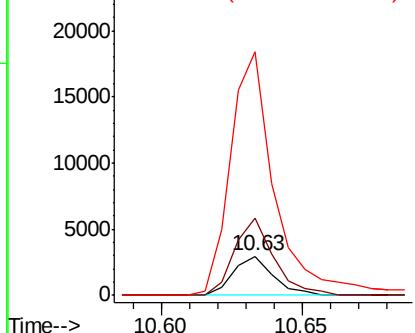
#67
 4-Bromophenyl-phenylether
 Concen: 3.210 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF117271.D
 Acq: 30 Sep 2019 20:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 2917
 Ion Ratio Lower Upper
 248 100
 250 195.3 76.2 114.4#
 141 619.1 75.0 112.4#

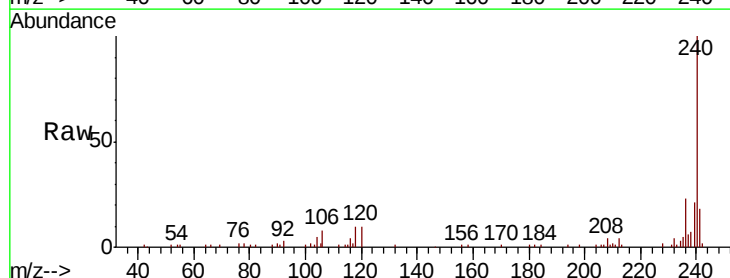


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

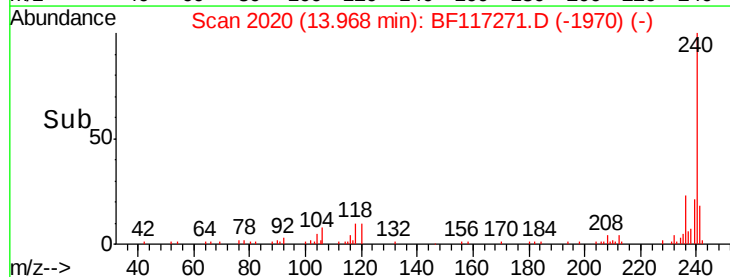
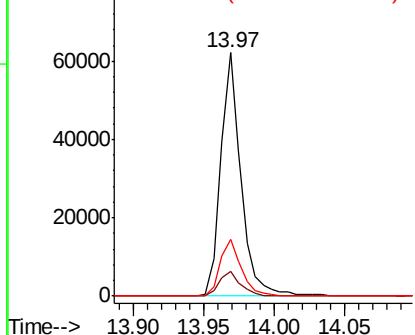


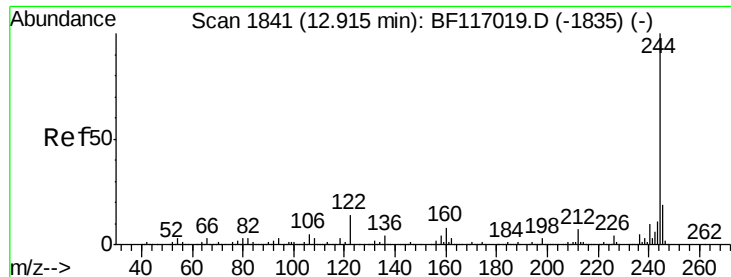
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117271.D
 Acq: 30 Sep 2019 20:02

Tgt Ion:240 Resp: 61954
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.3 12.5
 236 23.3 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: 61.486 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

Instrument :

BNA_F

ClientSampleId :

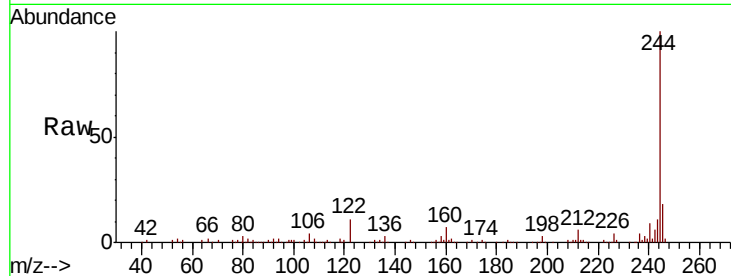
Tot Ion:244 Resp: 203790

Ion Ratio Lower Upper

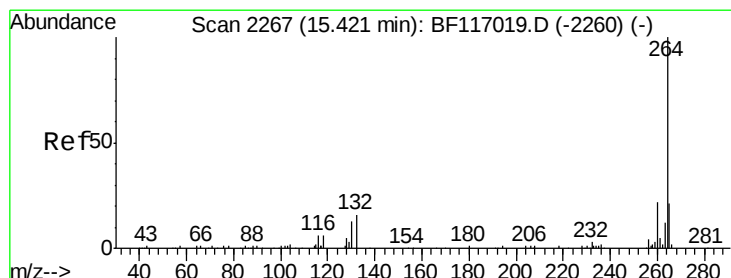
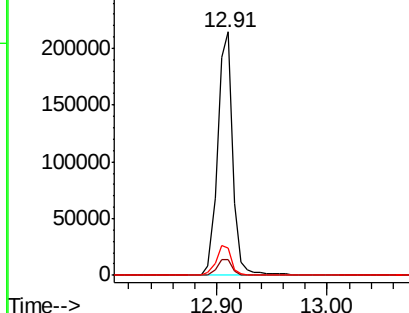
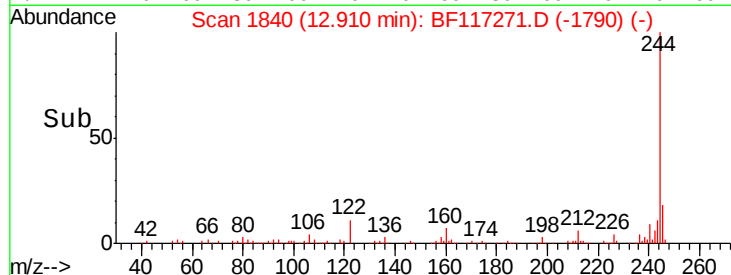
244 100

212 6.4 5.8 8.8

122 11.0 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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

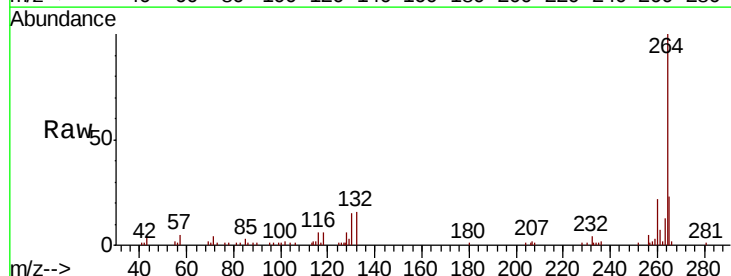
Tgt Ion:264 Resp: 71759

Ion Ratio Lower Upper

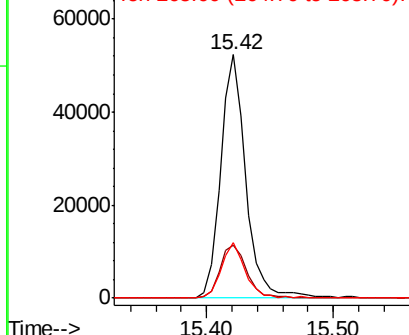
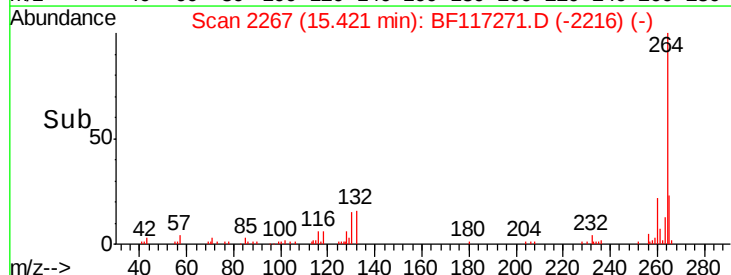
264 100

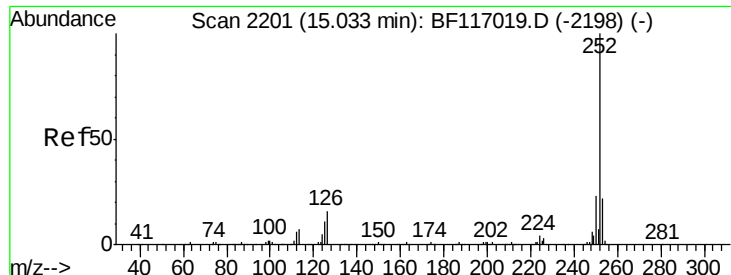
260 21.6 17.6 26.4

265 22.8 16.6 24.8



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





#89

Benzo(k)fluoranthene

Concen: 2.108 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.03 min

Lab File: BF117271.D

Acq: 30 Sep 2019 20:02

Instrument :

BNA_F

ClientSampleId :

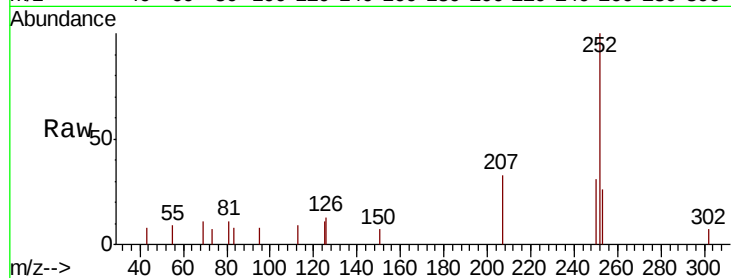
Tot Ion:252 Resp: 8678

Ion Ratio Lower Upper

252 100

253 26.1 17.4 26.2

125 11.1 8.8 13.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

