

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117076.D
 Acq On : 16 Sep 2019 22:25
 Operator : HP/JU
 Sample : K4897-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:16:33 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

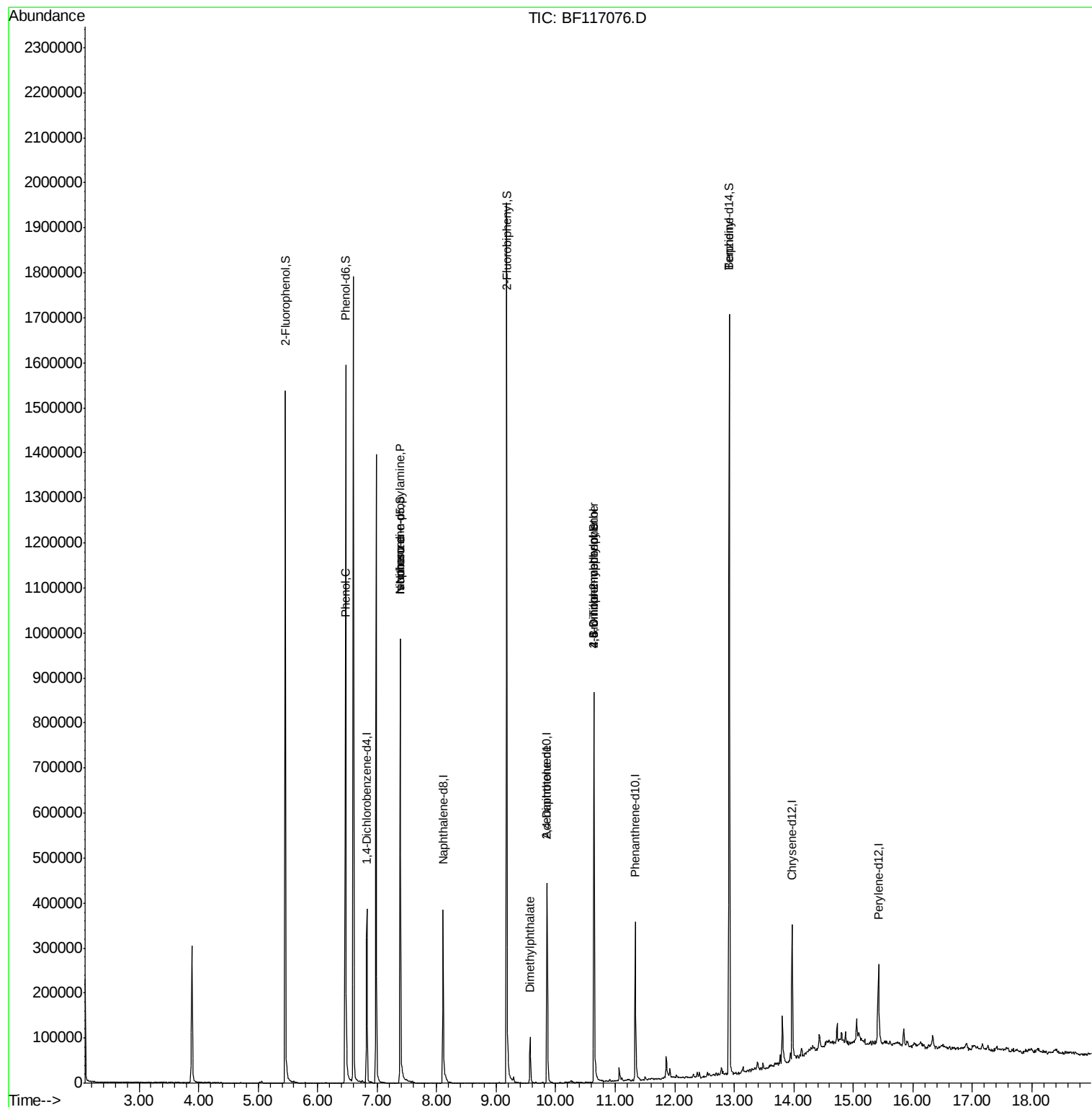
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	58622	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	226044	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	109654	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	154746	20.00	ng	0.00
76) Chrysene-d12	13.97	240	104433	20.00	ng	0.00
87) Perylene-d12	15.42	264	72577	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	439905	117.16	ng	0.02
7) Phenol-d6	6.47	99	603602	124.39	ng	0.01
23) Nitrobenzene-d5	7.39	82	375492	87.28	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	106487	116.19	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	629430	89.75	ng	0.00
79) Terphenyl-d14	12.92	244	518922	92.88	ng	0.00
Target Compounds						
9) Benzaldehyde	6.47	77	1091	Below Cal	Qvalue	# 1
10) Phenol	6.48	94	20745	3.878 ng		98
19) n-Nitroso-di-n-propylamine	7.39	70	49023	16.591 ng	#	79
25) Isophorone	7.39	82	375491	49.295 ng	#	66
50) Dimethylphthalate	9.57	163	49406	6.363 ng	#	97
57) 2,4-Dinitrotoluene	9.85	165	13764	6.706 ng	#	18
65) 4,6-Dinitro-2-methylphenol	10.64	198	151	7.086 ng	#	1
67) 4-Bromophenyl-phenylether	10.65	248	6871	4.348 ng	#	1
77) Benzidine	12.92	184	7896	2.347 ng	#	91

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

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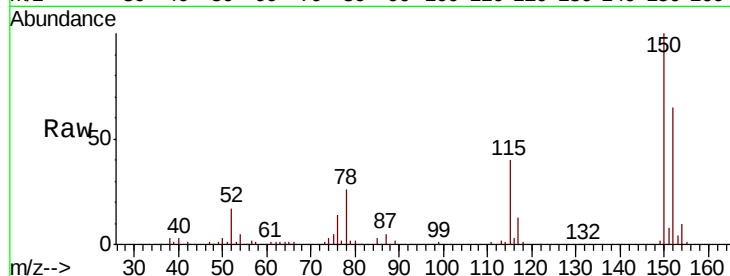


#1

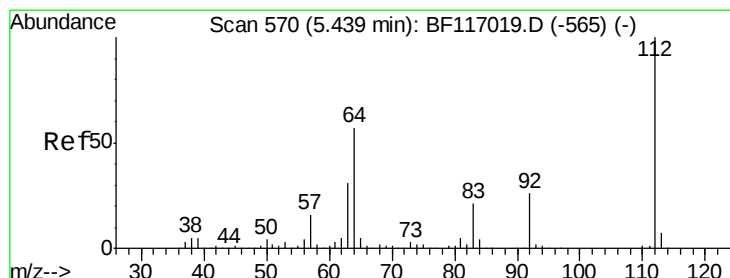
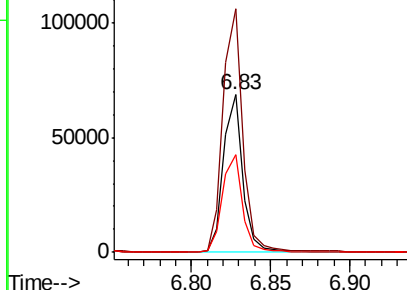
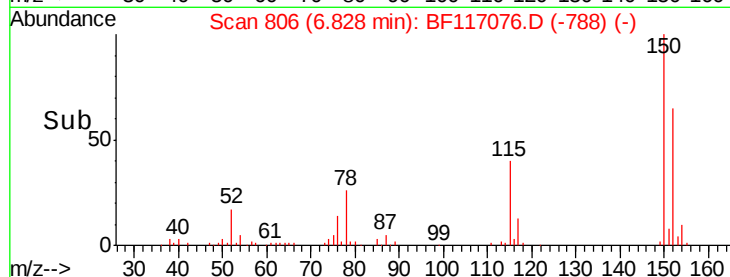
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117076.D
Acq: 16 Sep 2019 22:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 58622
Ion Ratio Lower Upper
152 100
150 154.3 127.5 191.3
115 61.8 55.0 82.4



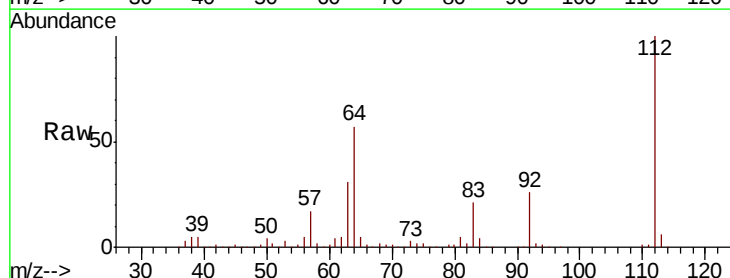
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



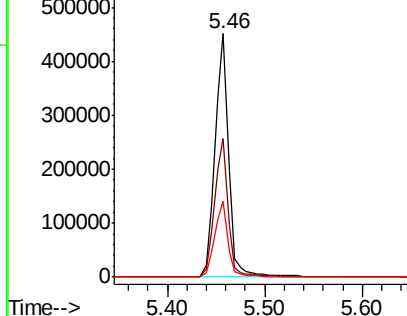
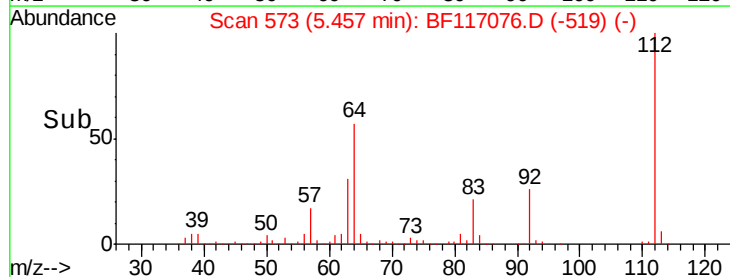
#5

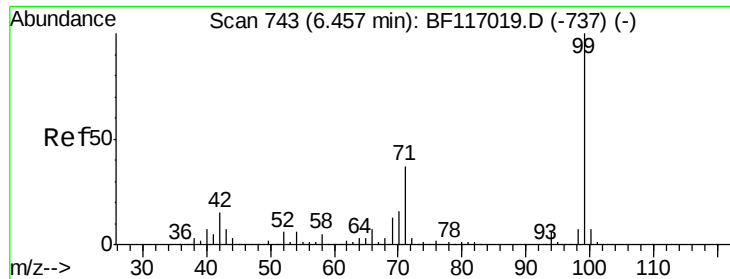
2-Fluorophenol
Concen: 117.157 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117076.D
Acq: 16 Sep 2019 22:25

Tgt Ion:112 Resp: 439905
Ion Ratio Lower Upper
112 100
64 56.9 45.7 68.5
63 31.0 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: 124.388 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_F

ClientSampleId :

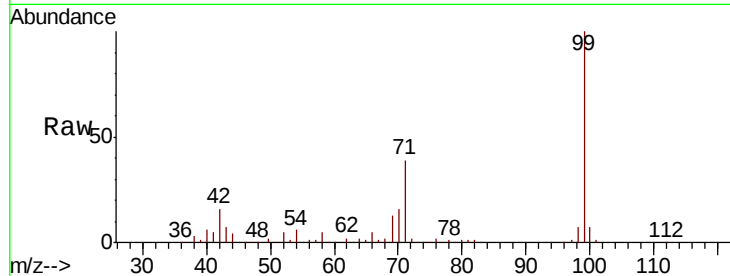
Tot Ion: 99 Resp: 603602

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

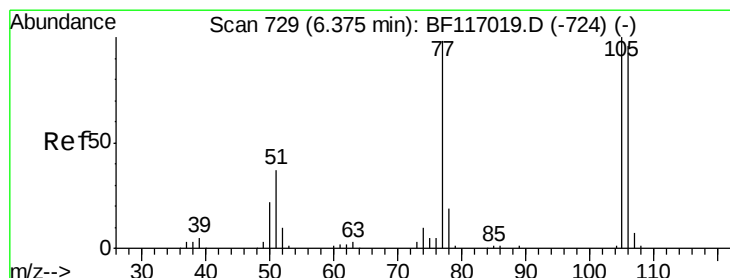
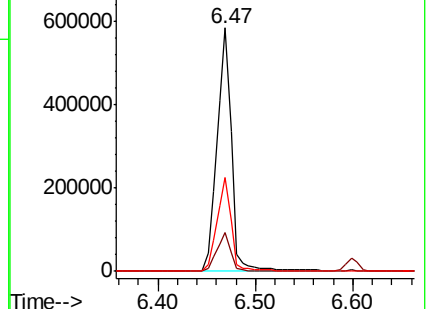
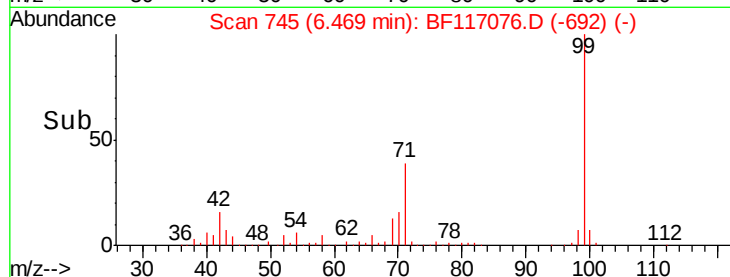
71 38.8 29.8 44.8



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: 6.47 min Scan# 745

Delta R.T. 0.10 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

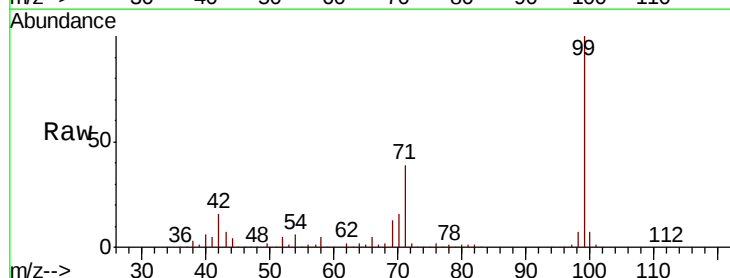
Tgt Ion: 77 Resp: 1091

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

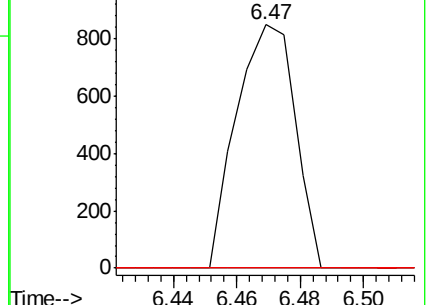
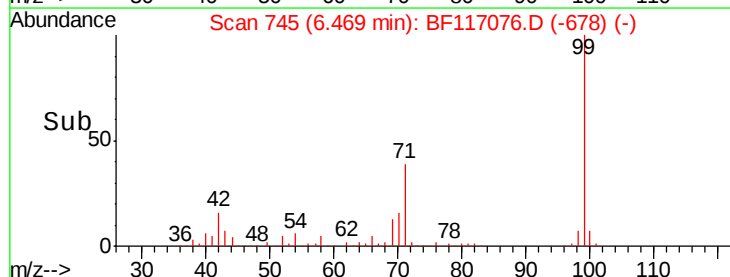
106 0.0 77.3 117.3#

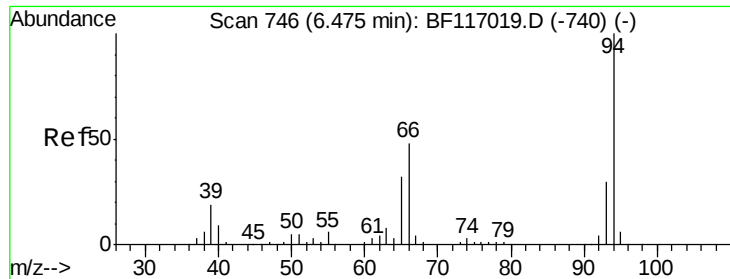


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.878 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_F

ClientSampleId :

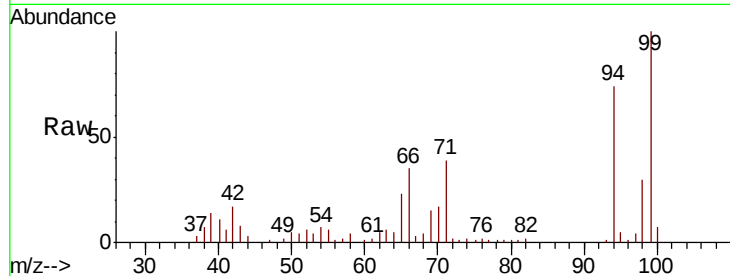
Tot Ion: 94 Resp: 20745

Ion Ratio Lower Upper

94 100

65 31.1 12.5 52.5

66 47.6 28.9 68.9

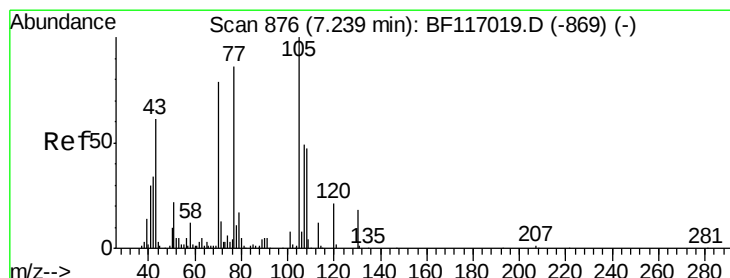
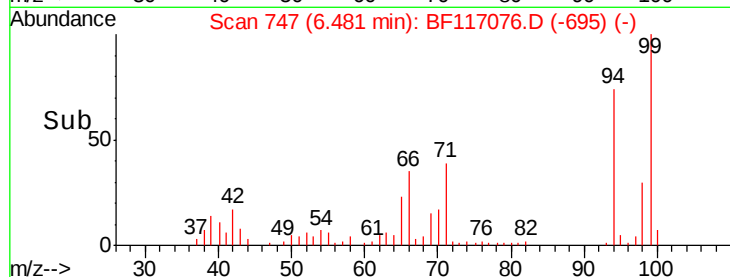
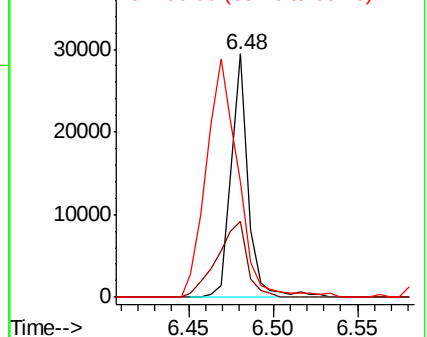


Abundance

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: 16.591 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

Tgt Ion: 70 Resp: 49023

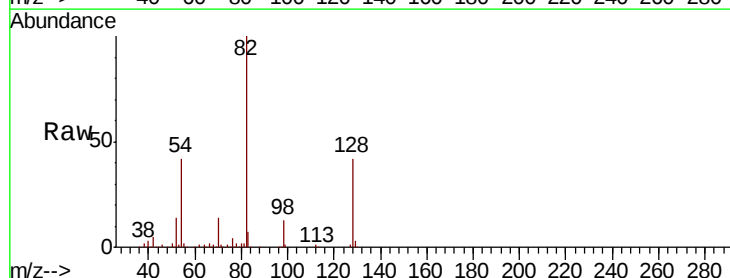
Ion Ratio Lower Upper

70 100

42 37.2 34.0 51.0

101 0.0 7.8 11.6#

130 1.3 17.8 26.8#



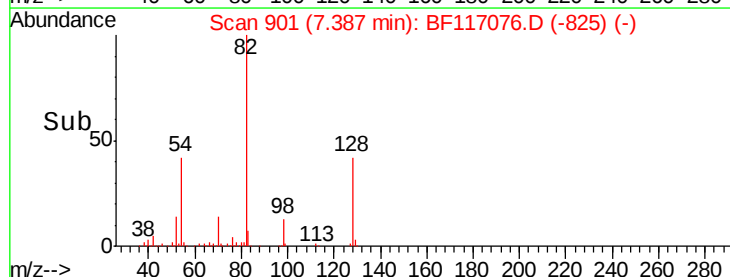
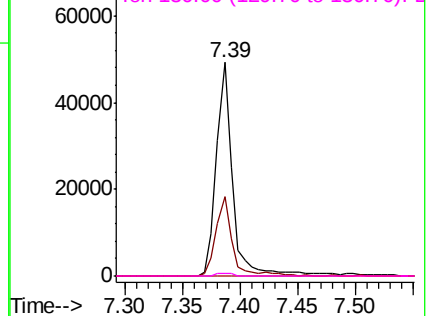
Abundance

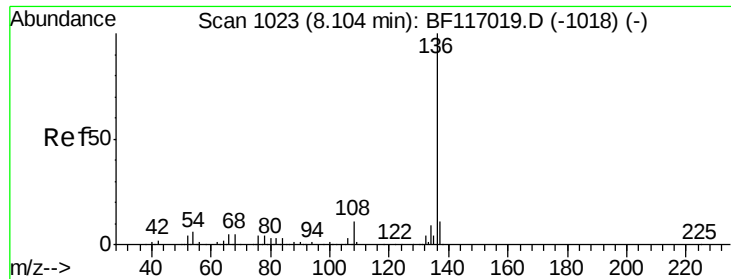
Ion 70.00 (69.70 to 70.70): BF1

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

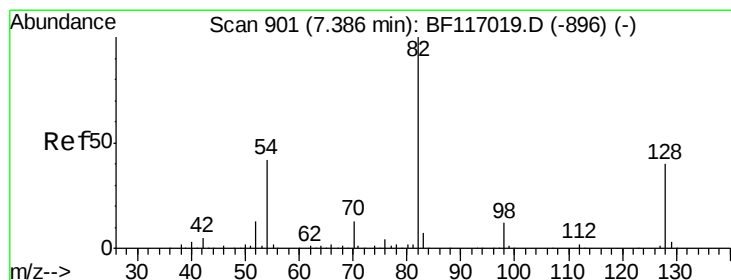
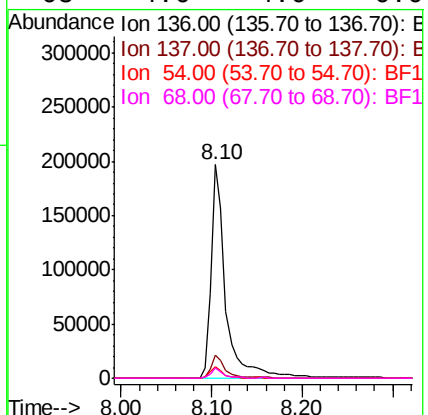
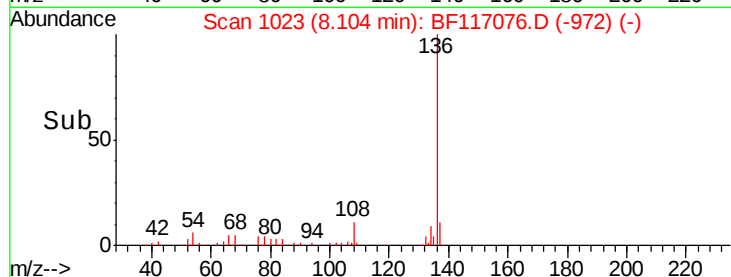
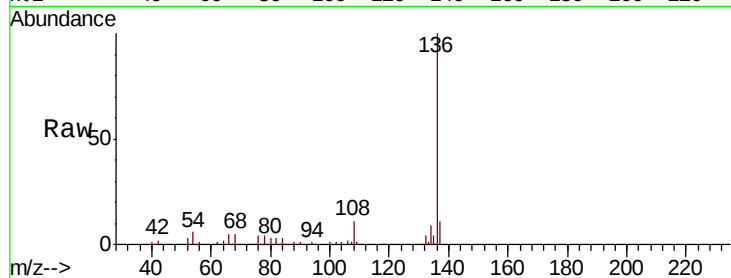




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117076.D
Acq: 16 Sep 2019 22:25

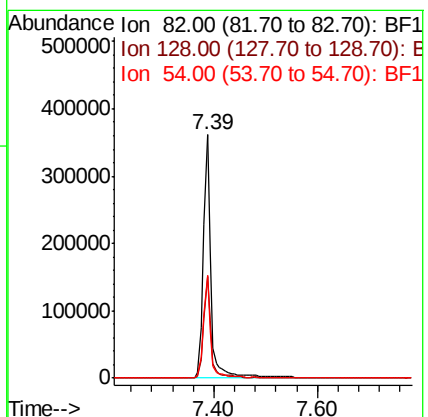
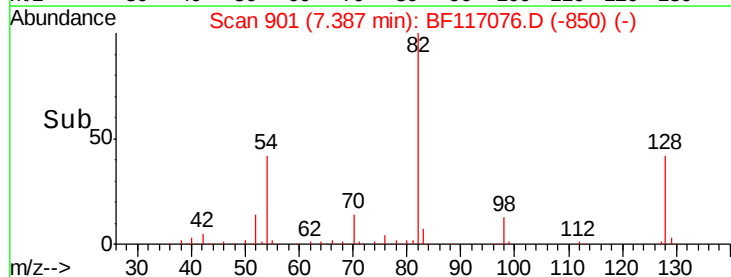
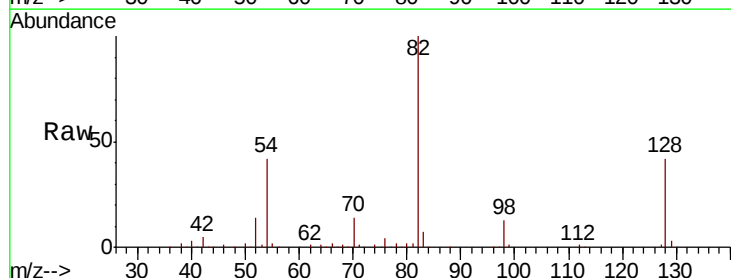
Instrument :
BNA_F
ClientSampleId :

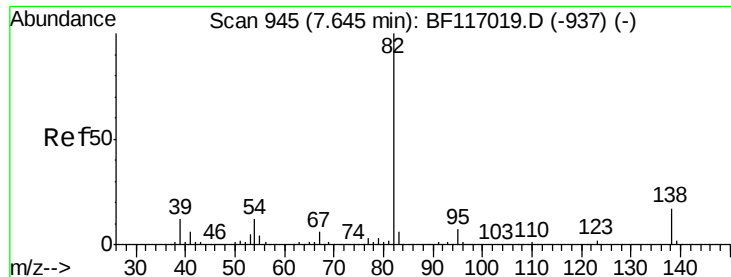
Tot Ion:136	Resp:	226044
Ion Ratio	Lower	Upper
136 100		
137 10.5	9.0	13.4
54 5.7	4.5	6.7
68 4.6	4.0	6.0



#23
Nitrobenzene-d5
Concen: 87.281 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117076.D
Acq: 16 Sep 2019 22:25

Tgt	Ion: 82	Resp:	375492
Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.3	48.5
54	42.3	33.3	49.9





#25

Isophorone

Concen: 49.295 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_F

ClientSampled :

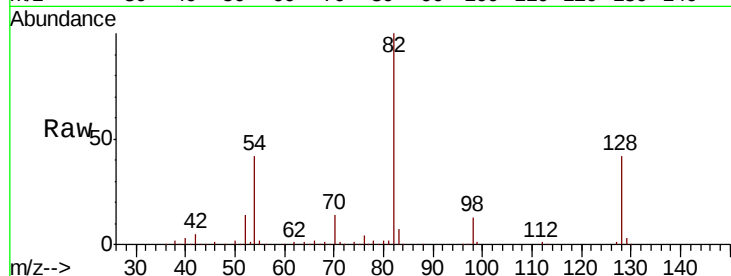
Tot Ion: 82 Resp: 375491

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

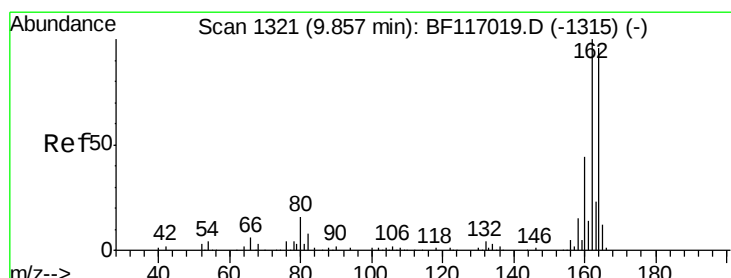
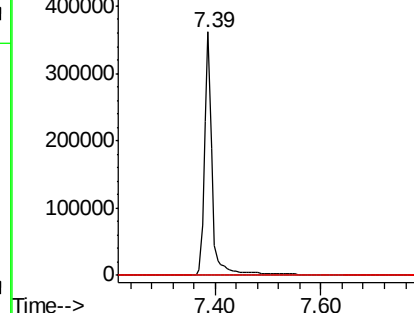
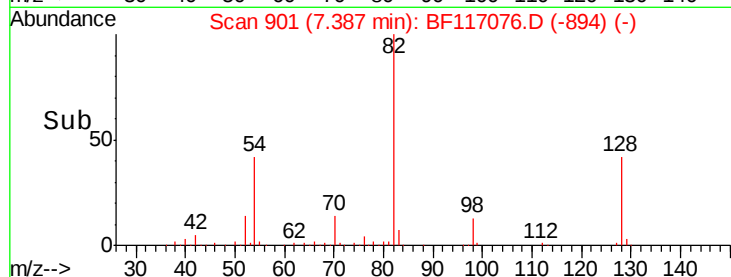
138 0.0 13.5 20.3#



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: BF117076.D

Acq: 16 Sep 2019 22:25

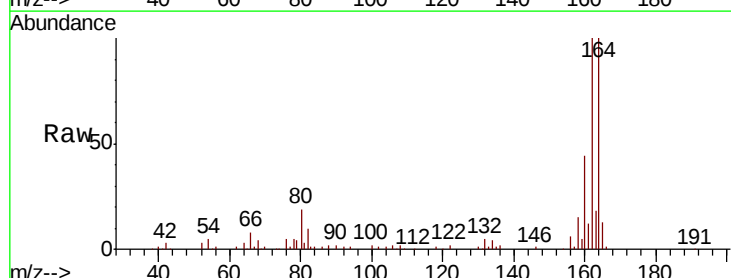
Tgt Ion: 164 Resp: 109654

Ion Ratio Lower Upper

164 100

162 99.9 83.4 125.2

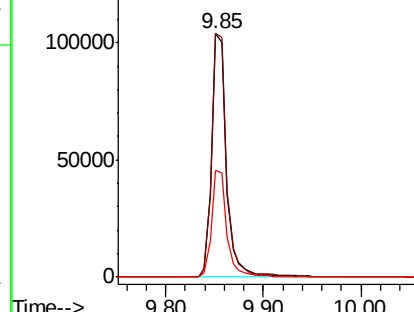
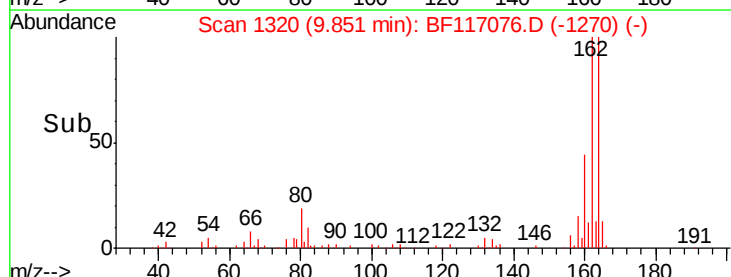
160 44.0 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 116.194 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_F

ClientSampled :

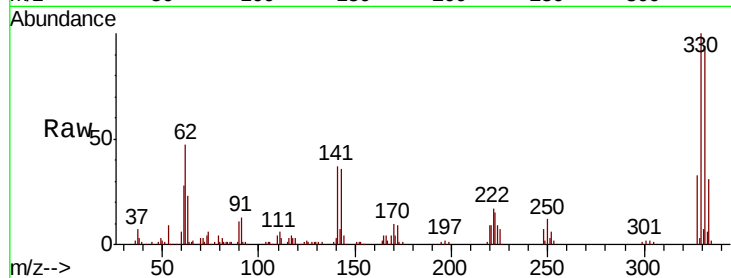
Tot Ion:330 Resp: 106487

Ion Ratio Lower Upper

330 100

332 95.8 78.0 117.0

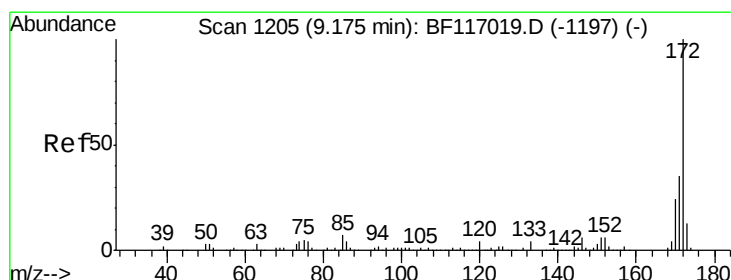
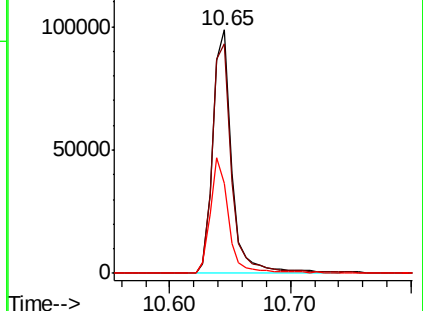
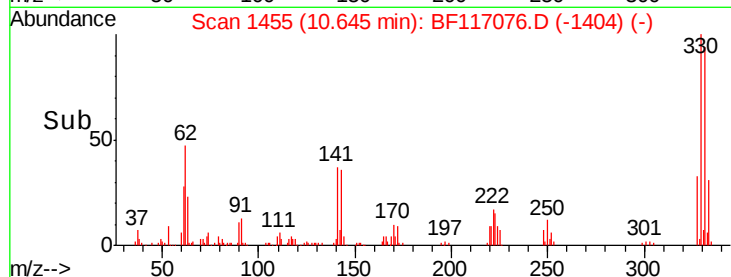
141 46.6 35.8 53.6



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: 89.751 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

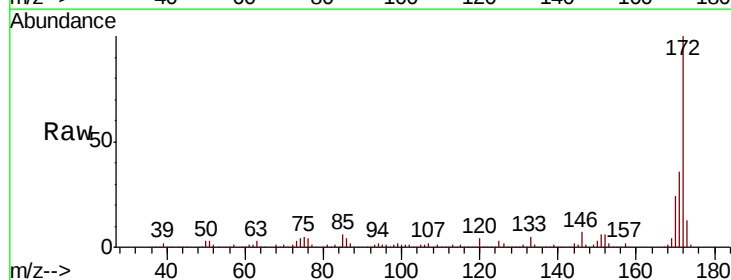
Tgt Ion:172 Resp: 629430

Ion Ratio Lower Upper

172 100

171 36.0 28.2 42.2

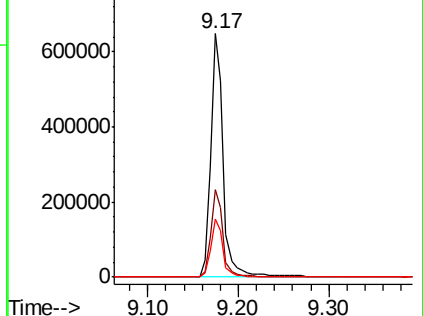
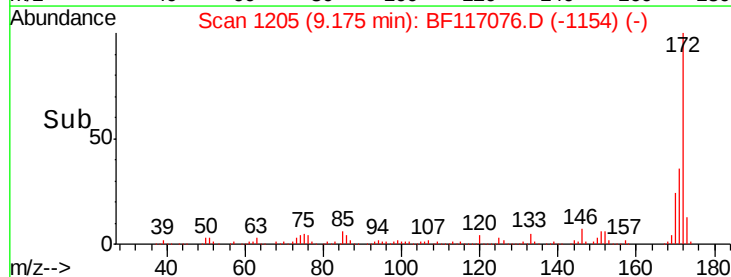
170 24.0 18.9 28.3

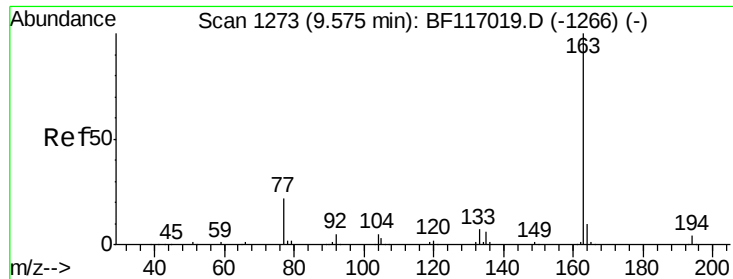


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

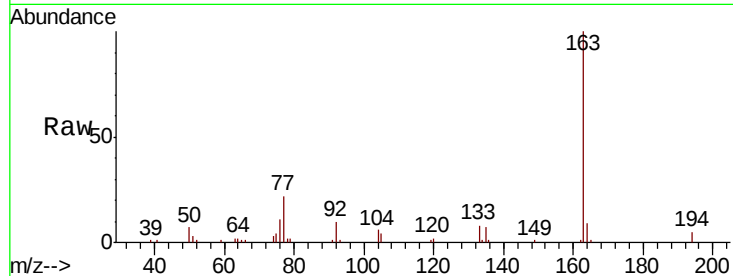




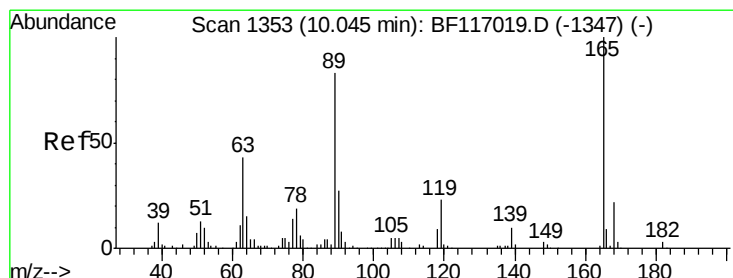
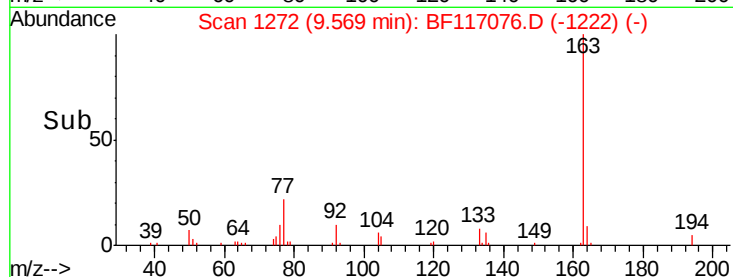
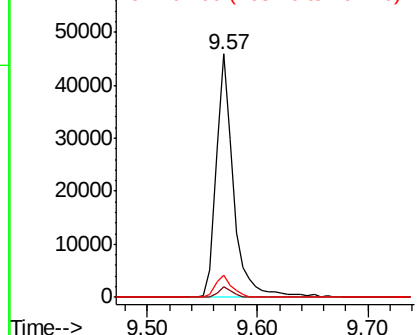
#50
Dimethylphthalate
Concen: 6.363 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117076.D
Acq: 16 Sep 2019 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 49406
Ion Ratio Lower Upper
163 100
194 4.6 2.9 4.3#
164 9.1 8.2 12.4

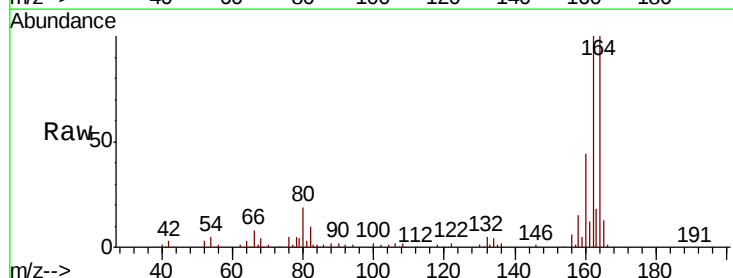


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

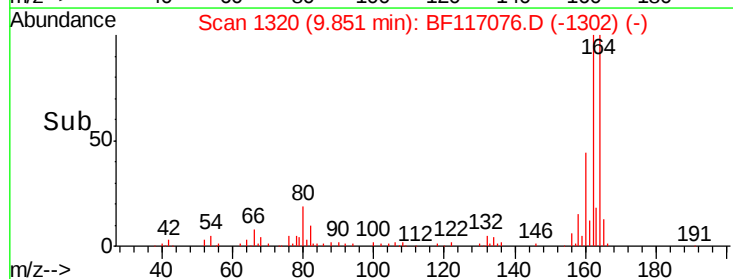
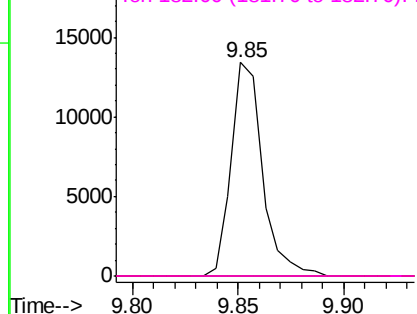


#57
2,4-Dinitrotoluene
Concen: 6.706 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF117076.D
Acq: 16 Sep 2019 22:25

Tgt Ion:165 Resp: 13764
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: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_F

ClientSampleId :

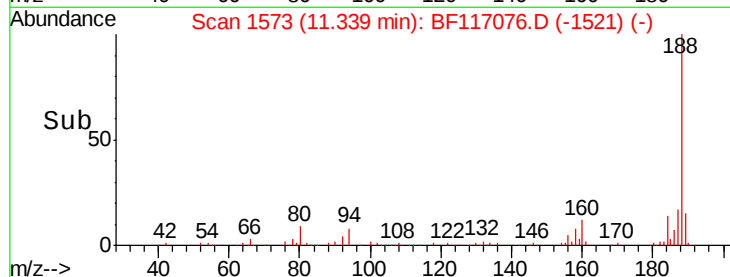
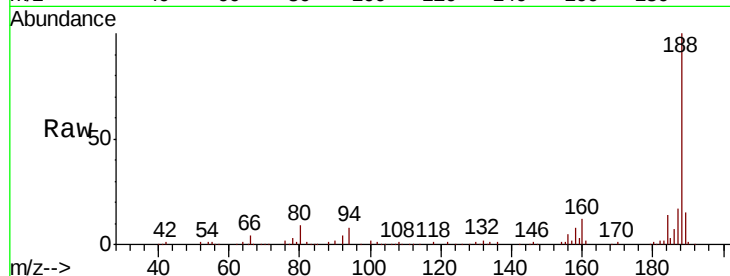
Tot Ion:188 Resp: 154746

Ion Ratio Lower Upper

188 100

94 8.5 8.2 12.2

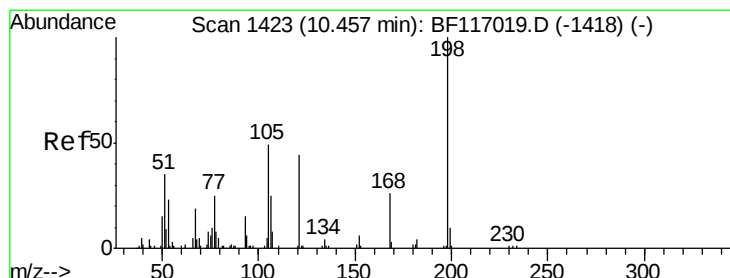
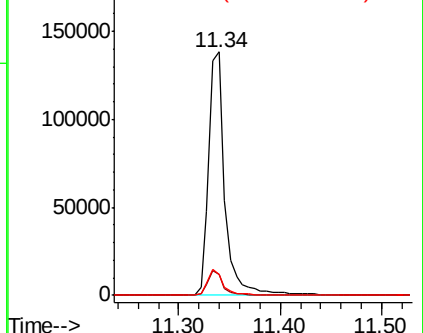
80 8.8 9.0 13.6#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.086 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

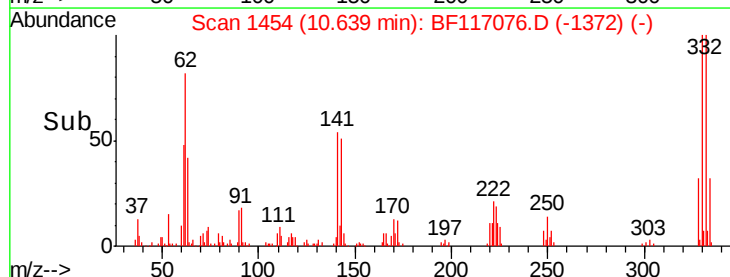
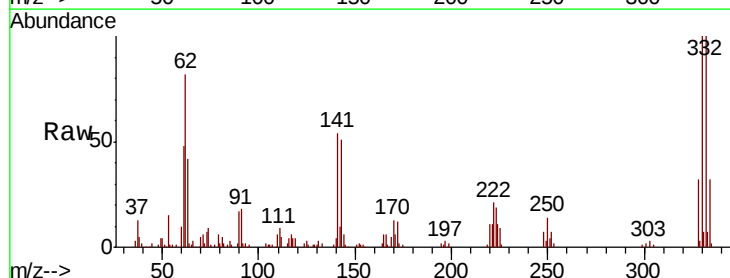
Tgt Ion:198 Resp: 151

Ion Ratio Lower Upper

198 100

51 133.3 18.7 58.7#

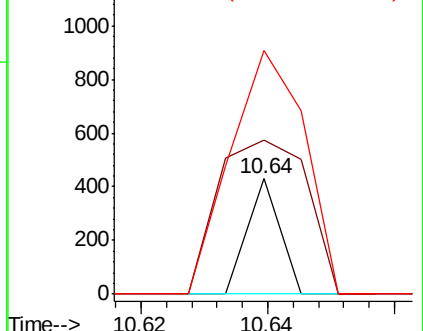
105 211.4 30.2 70.2#



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: 4.348 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_F

ClientSampleId :

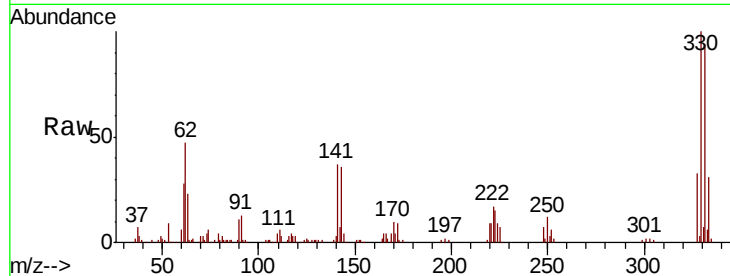
Tot Ion:248 Resp: 6871

Ion Ratio Lower Upper

248 100

250 175.3 76.2 114.4#

141 565.2 75.0 112.4#

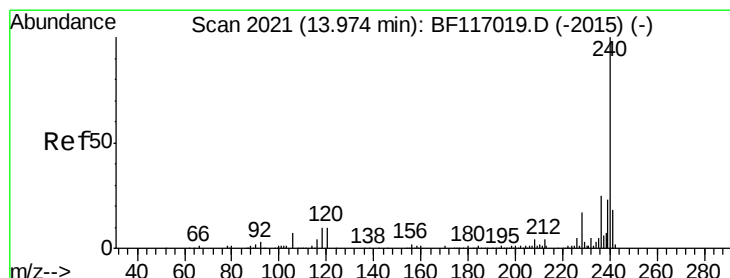
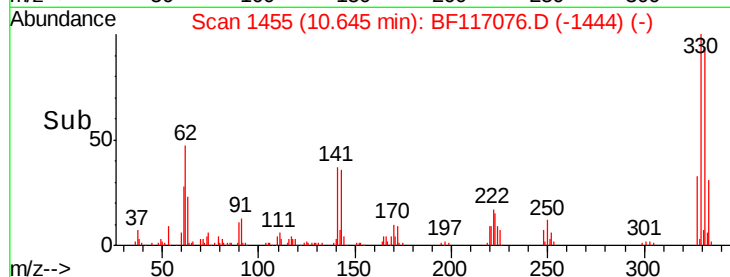
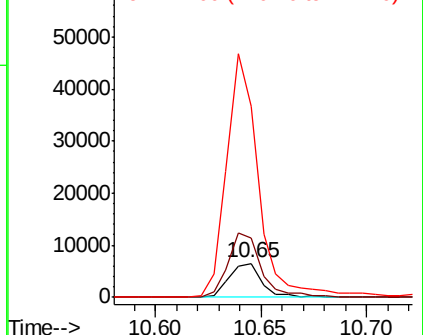


Abundance

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: BF117076.D

Acq: 16 Sep 2019 22:25

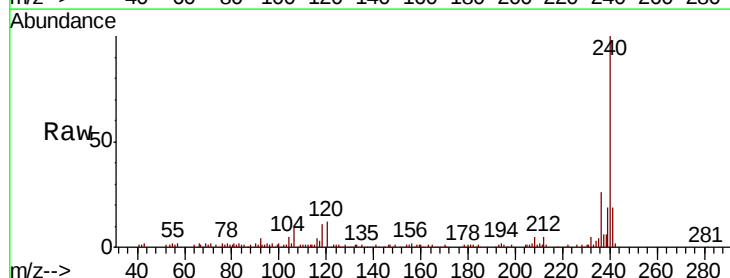
Tgt Ion:240 Resp: 104433

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

236 25.8 20.3 30.5

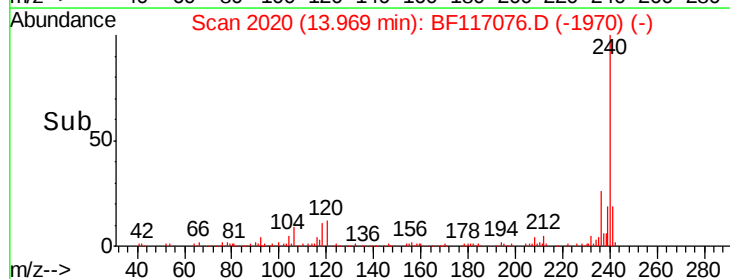
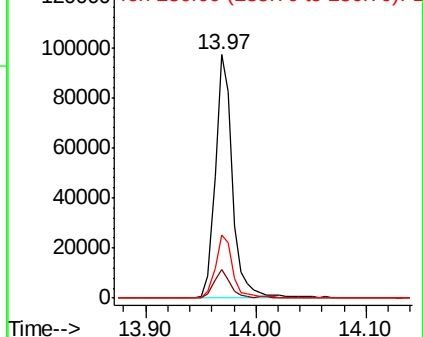


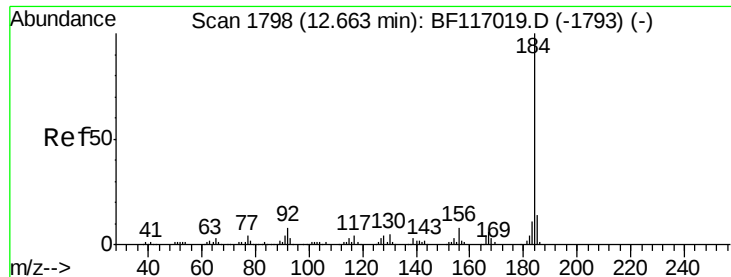
Abundance

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: 2.347 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_F

ClientSampleId :

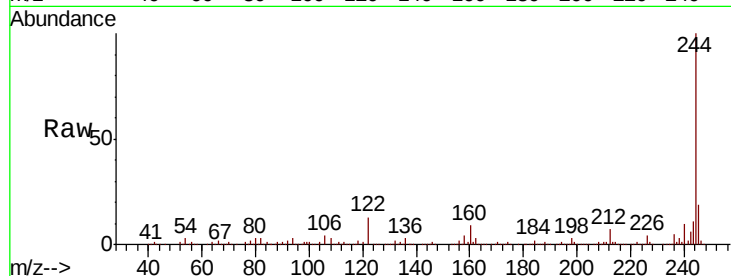
Tot Ion:184 Resp: 7896

Ion Ratio Lower Upper

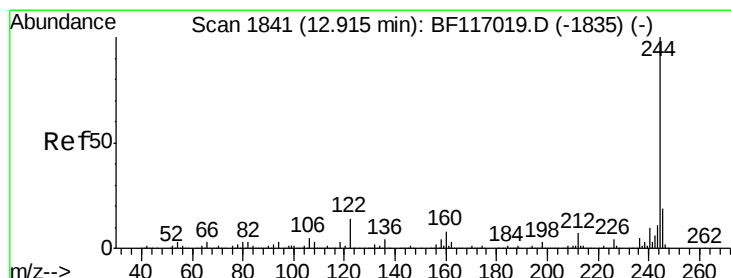
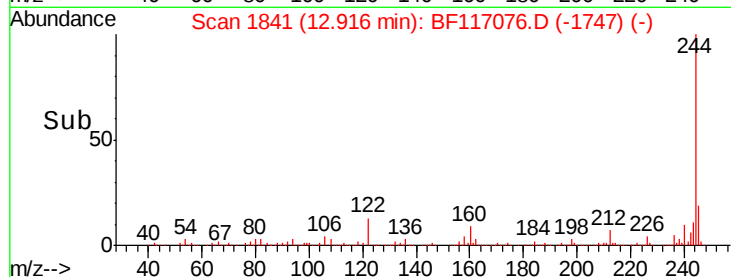
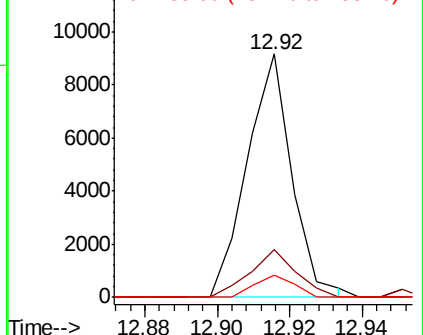
184 100

185 19.6 11.6 17.4#

183 9.2 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: 92.881 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117076.D

Acq: 16 Sep 2019 22:25

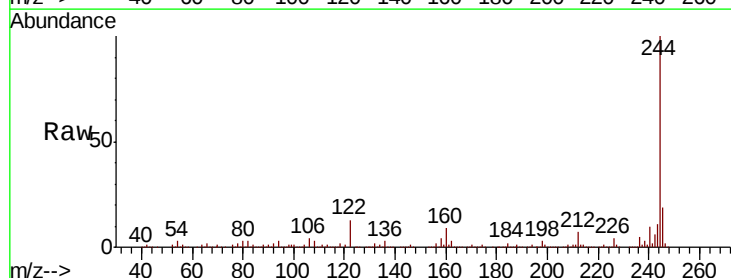
Tgt Ion:244 Resp: 518922

Ion Ratio Lower Upper

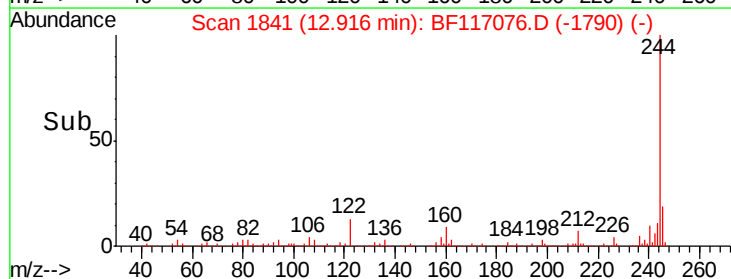
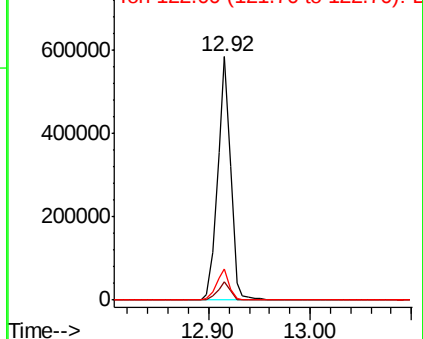
244 100

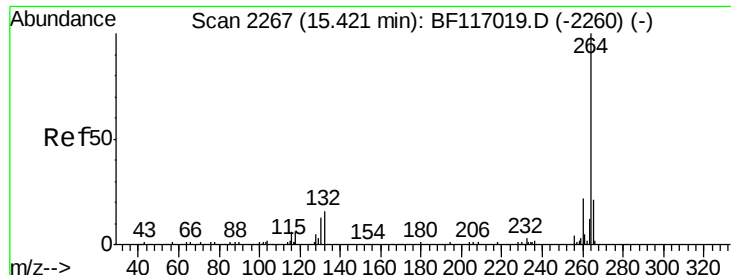
212 7.3 5.8 8.8

122 12.7 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

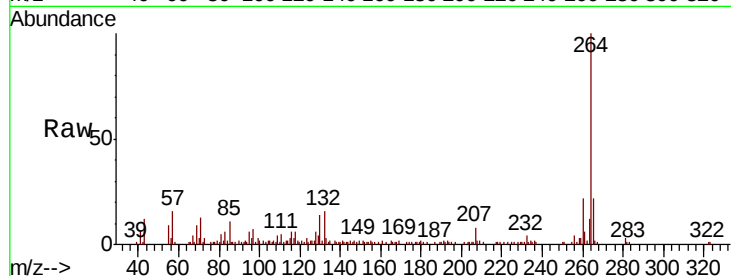




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117076.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.6	26.4
265	21.9	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

