

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
 Data File : BF119717.D
 Acq On : 3 Apr 2020 14:21
 Operator : MA/SJ
 Sample : L2104-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH

Quant Time: Apr 03 14:55:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	230473	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	824030	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	457392	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	856818	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	650102	20.00	ng	-0.02
87) Perylene-d12	15.43	264	567035	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1985638	137.15	ng	0.02
7) Phenol-d6	6.44	99	2419241	130.81	ng	0.00
23) Nitrobenzene-d5	7.37	82	1704004	112.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	770947	163.38	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2968927	96.16	ng	-0.01
79) Terphenyl-d14	12.93	244	3274281	98.68	ng	0.00

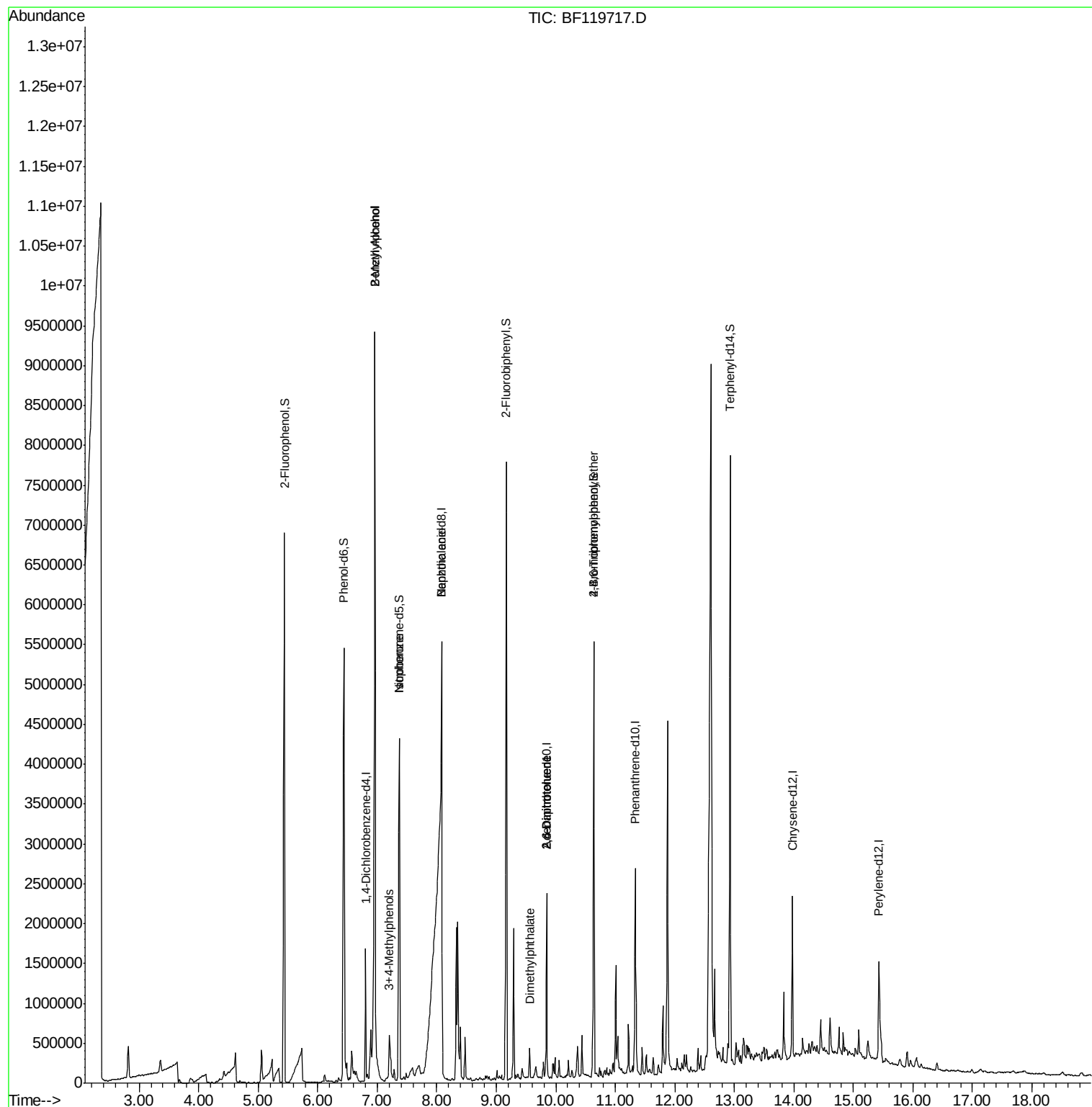
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.96	79	1284094	92.302	ng	98
17) 2-Methylphenol	6.96	107	695430	49.916	ng	# 15
20) 3+4-Methylphenols	7.20	107	110673	6.482	ng	# 77
25) Isophorone	7.37	82	1701869	55.333	ng	# 65
32) Benzoic acid	8.08	122	5888128	693.866	ng	96
50) Dimethylphthalate	9.56	163	151401	4.660	ng	98
51) 2,6-Dinitrotoluene	9.85	165	58727	8.433	ng	# 27
57) 2,4-Dinitrotoluene	9.85	165	58727	6.694	ng	# 21
67) 4-Bromophenyl-phenylether	10.64	248	46935	4.810	ng	# 1

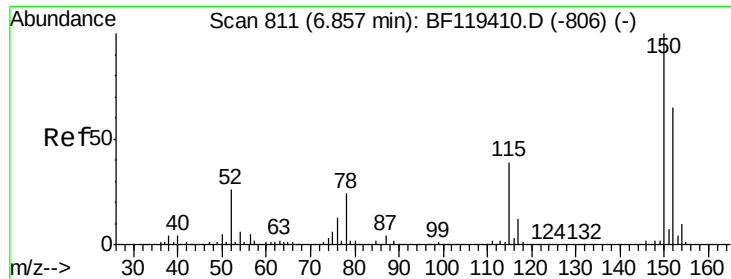
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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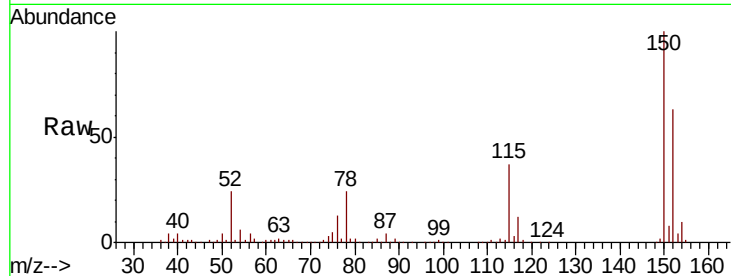


#1

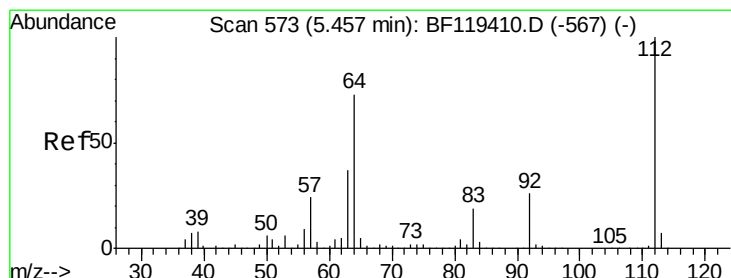
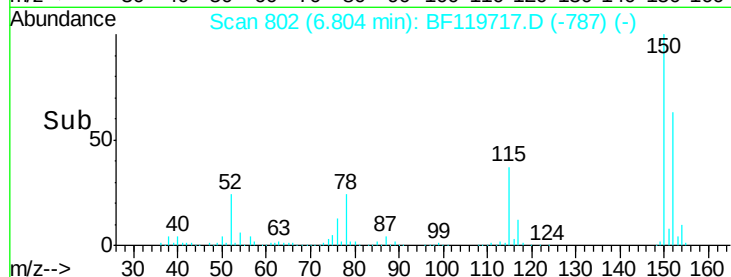
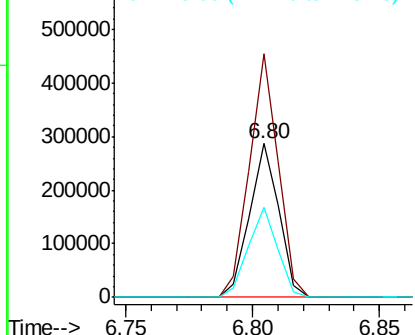
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF119717.D
Acq: 3 Apr 2020 14:21

Instrument :
BNA_F
ClientSampleId :
BUS-WASH

Tot Ion:152 Resp: 230473
Ion Ratio Lower Upper
152 100
150 158.4 124.5 186.7
115 58.4 49.6 74.4



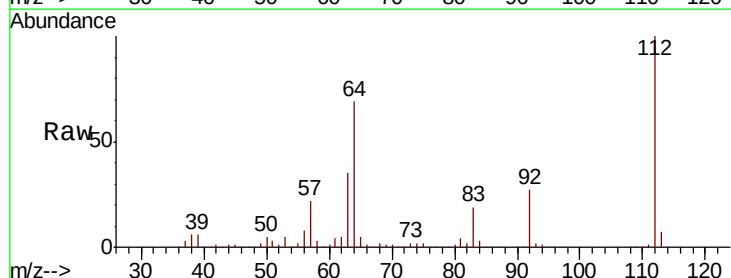
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



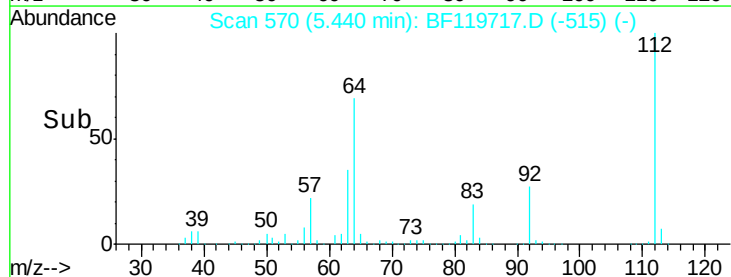
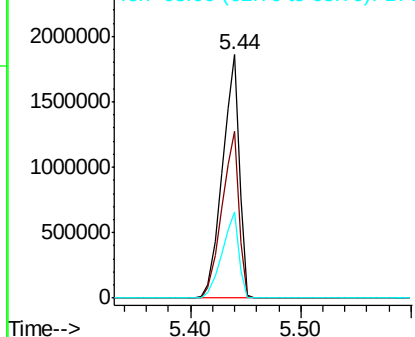
#5

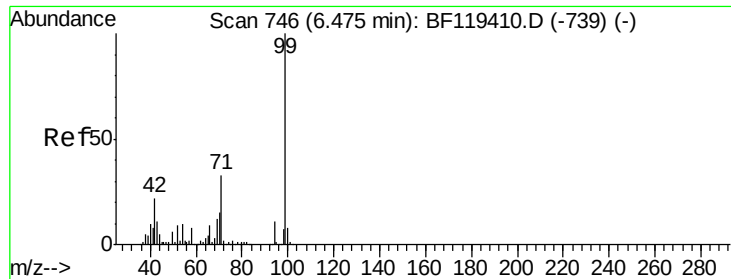
2-Fluorophenol
Concen: 137.150 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF119717.D
Acq: 3 Apr 2020 14:21

Tgt Ion:112 Resp: 1985638
Ion Ratio Lower Upper
112 100
64 68.7 56.7 85.1
63 35.2 29.5 44.3



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: 130.809 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

Instrument :

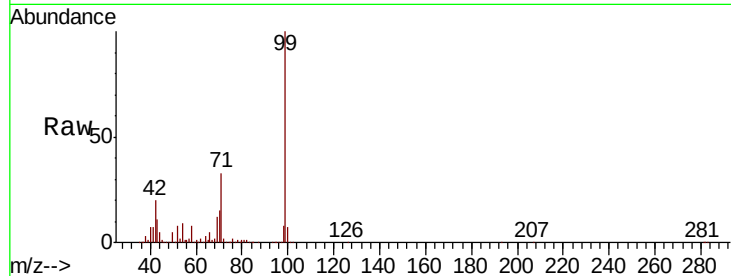
BNA_F

ClientSampleId :

BUS-WASH

Tot Ion: 99 Resp: 2419241

Ion	Ratio	Lower	Upper
99	100		
42	19.5	16.6	24.8
71	32.9	26.4	39.6

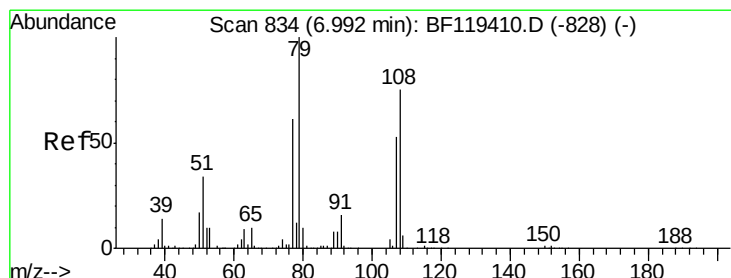
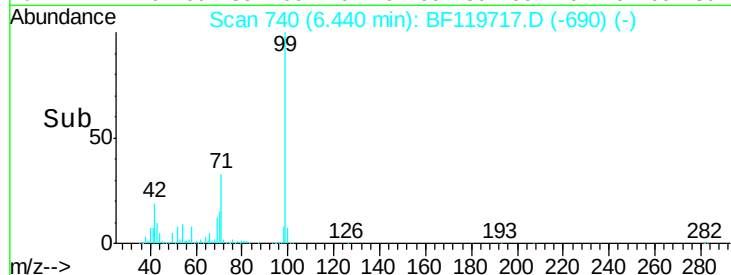
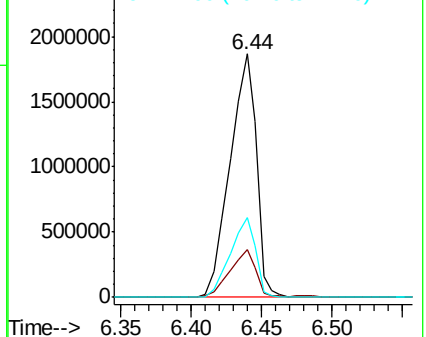


Abundance

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



#15

Benzyl Alcohol

Concen: 92.302 ng

RT: 6.96 min Scan# 829

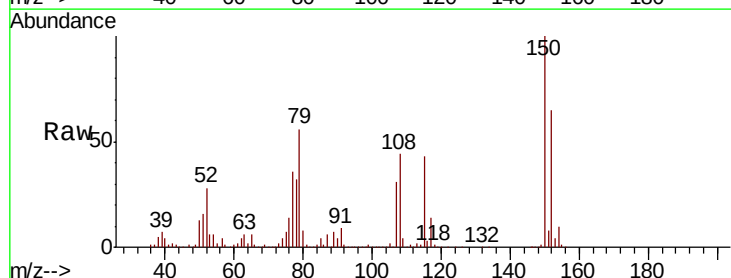
Delta R.T. 0.01 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

Tgt Ion: 79 Resp: 1284094

Ion	Ratio	Lower	Upper
79	100		
108	77.3	60.6	90.8
77	64.5	50.2	75.2

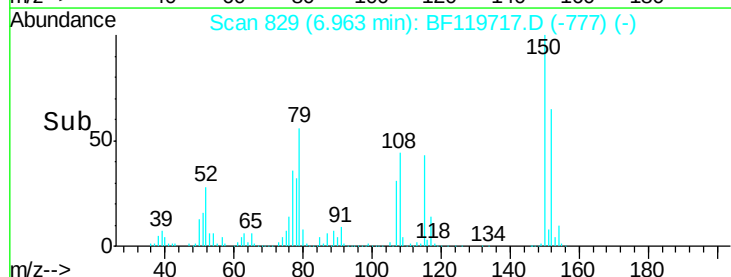
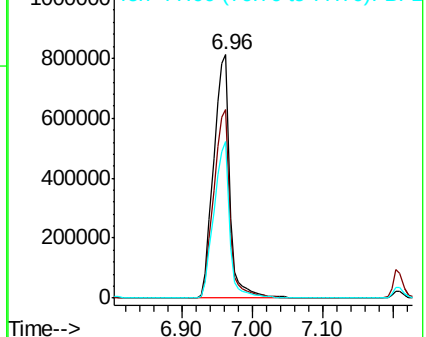


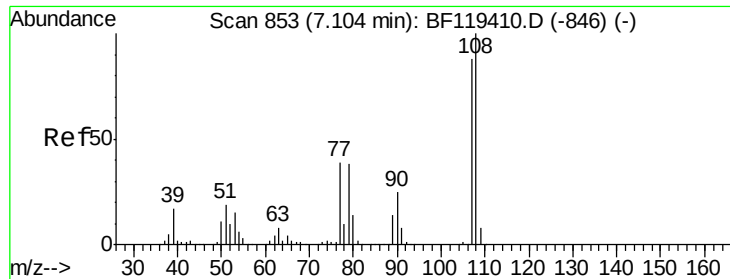
Abundance

Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

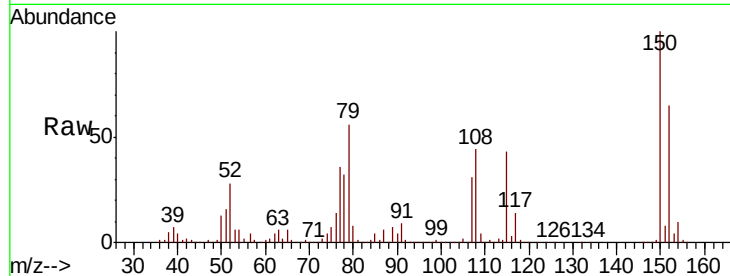




#17
2-Methylphenol
Concen: 49.916 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.11 min
Lab File: BF119717.D
Acq: 3 Apr 2020 14:21

Instrument :
BNA_F
ClientSampleId :
BUS-WASH

Tot Ion	Ratio	Lower	Upper
107	100		
108	142.4	92.2	138.4#
77	118.8	36.6	54.8#
79	184.3	36.2	54.4#



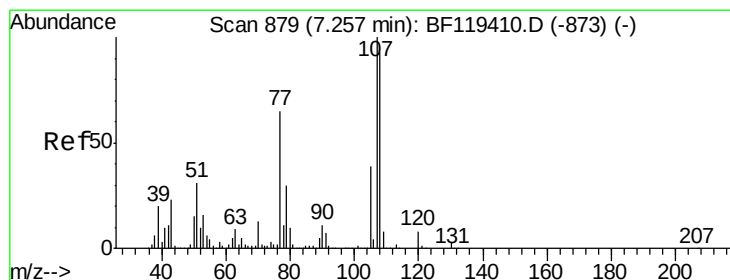
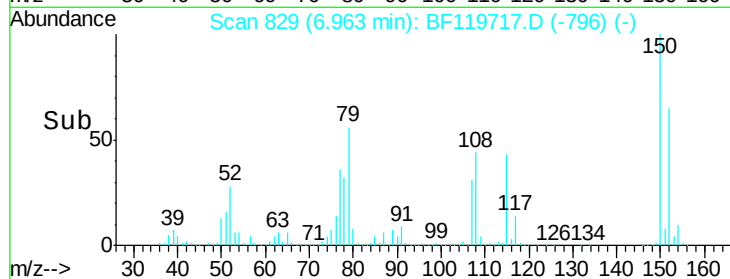
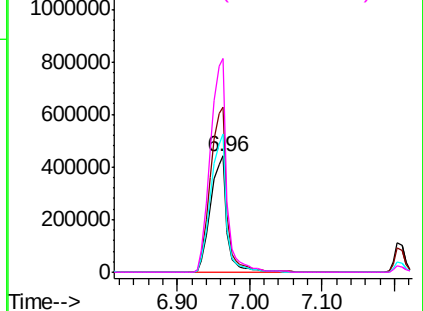
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#20
3+4-Methylphenols
Concen: 6.482 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.02 min
Lab File: BF119717.D
Acq: 3 Apr 2020 14:21

Tgt Ion	Ratio	Lower	Upper
107	100		
108	83.0	67.9	107.9
77	33.5	52.9	92.9#
79	21.0	7.7	47.7

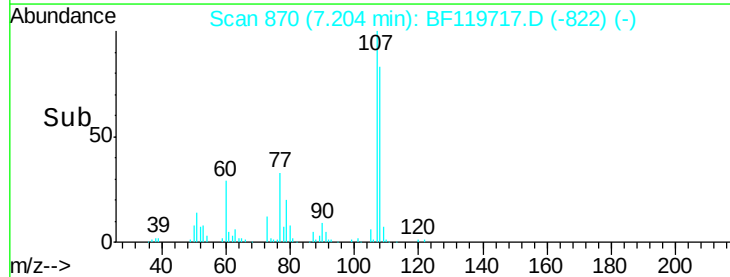
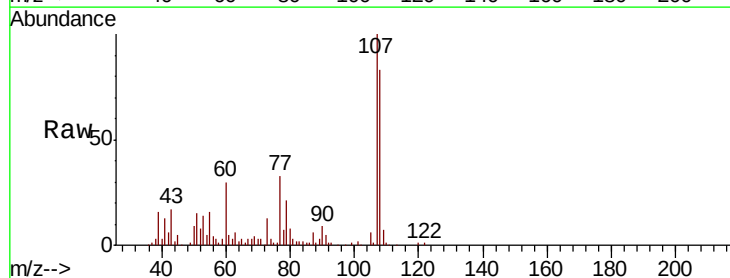
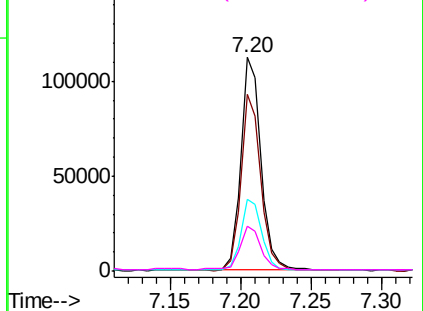
Abundance

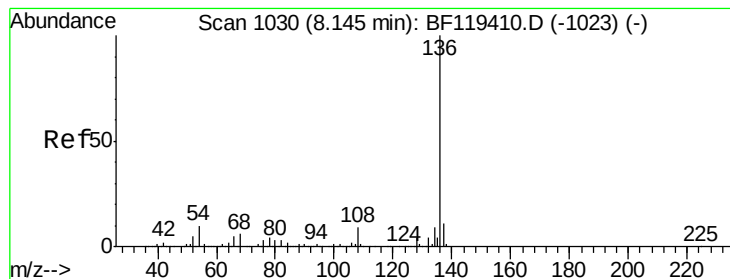
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

Instrument :

BNA_F

ClientSampleId :

BUS-WASH

Tot Ion:136 Resp: 824030

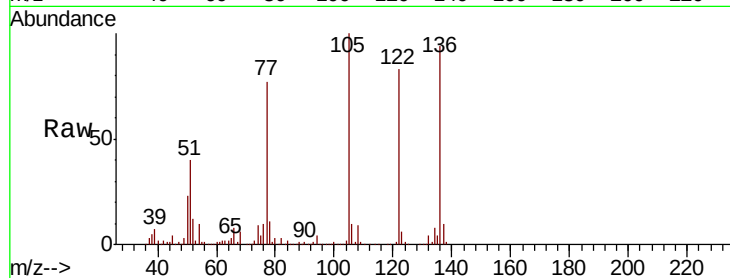
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.5 9.1 13.7

68 6.4 4.6 6.8

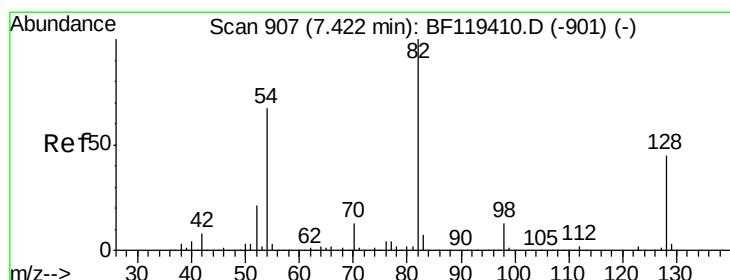
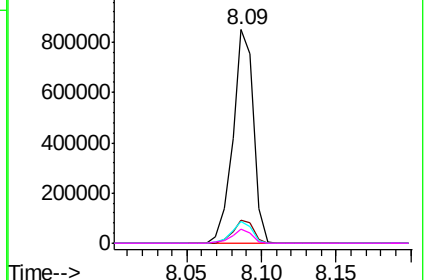
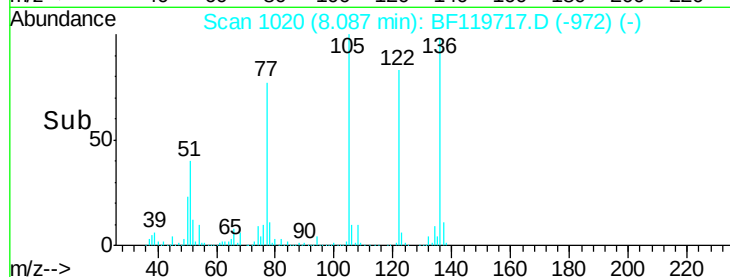


Abundance Ion 136.00 (135.70 to 136.70): E

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: 112.385 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

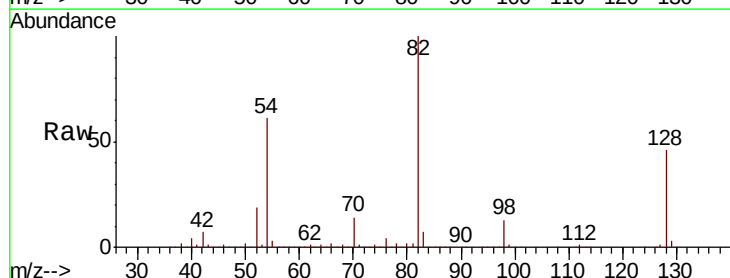
Tgt Ion: 82 Resp: 1704004

Ion Ratio Lower Upper

82 100

128 45.9 36.3 54.5

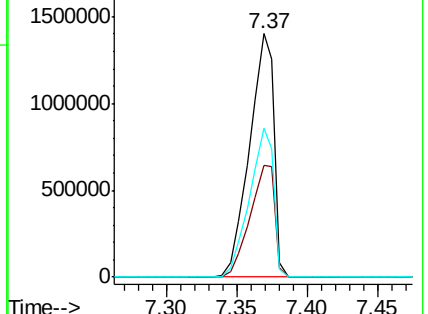
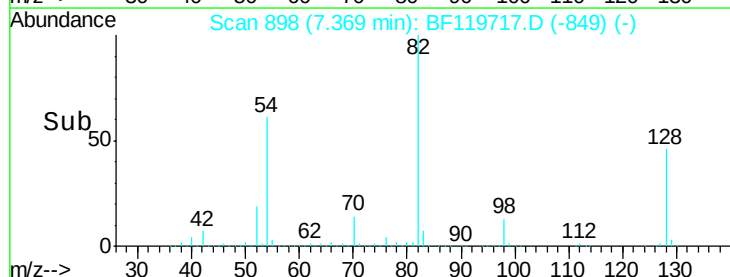
54 61.1 50.6 75.8

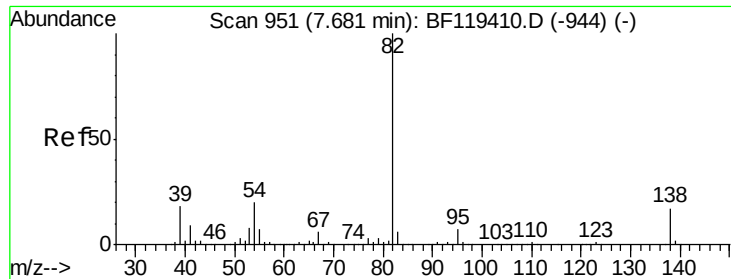


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 55.333 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

Instrument :

BNA_F

ClientSampleId :

BUS-WASH

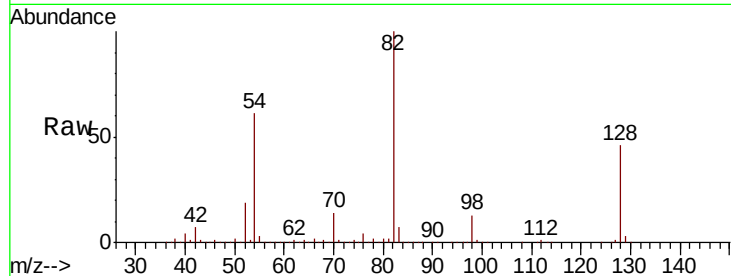
Tot Ion: 82 Resp: 1701869

Ion Ratio Lower Upper

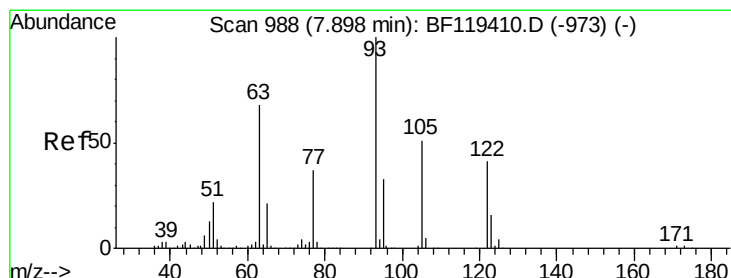
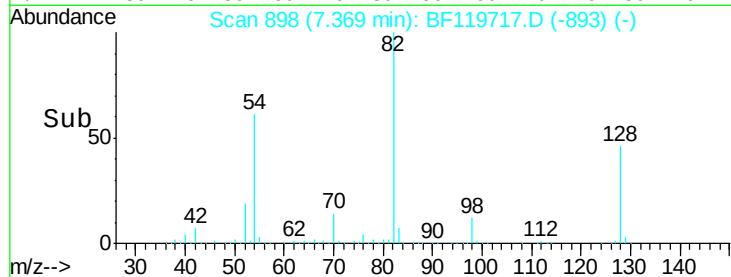
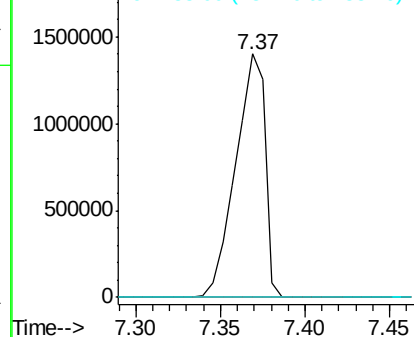
82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



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: 693.866 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.20 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

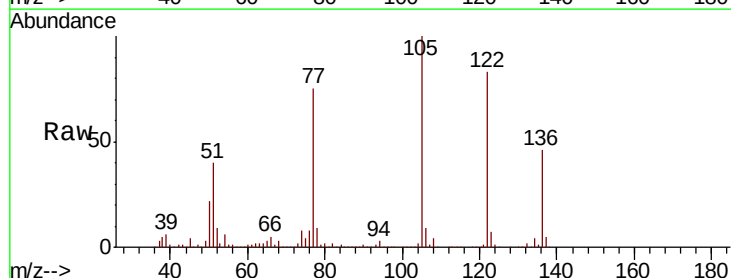
Tgt Ion:122 Resp: 5888128

Ion Ratio Lower Upper

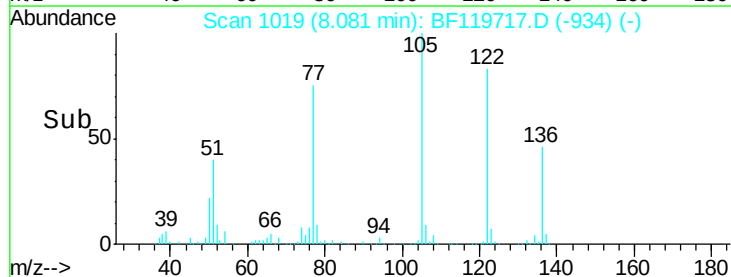
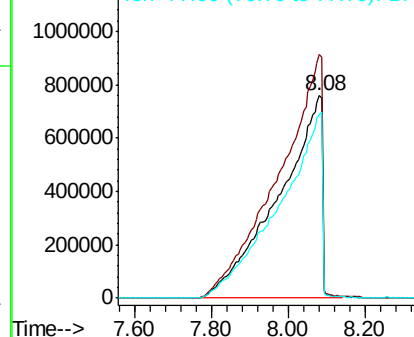
122 100

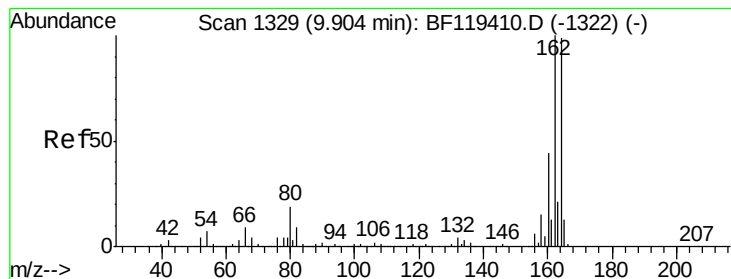
105 120.2 104.9 144.9

77 90.3 74.4 114.4



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

Instrument :

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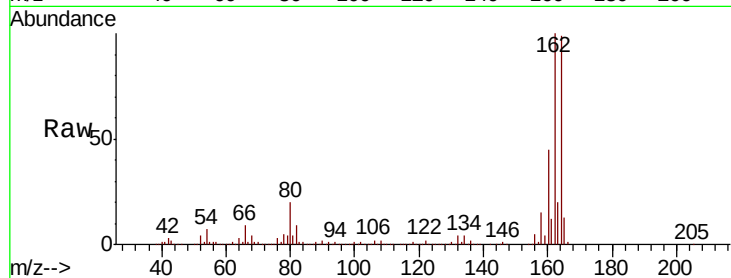
Tot Ion:164 Resp: 457392

Ion Ratio Lower Upper

164 100

162 101.5 80.6 121.0

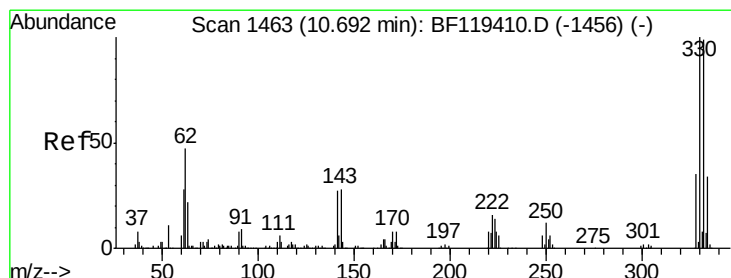
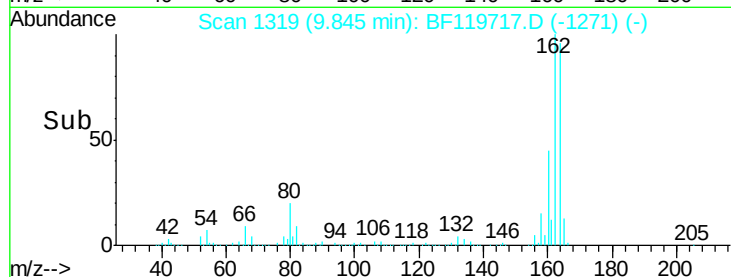
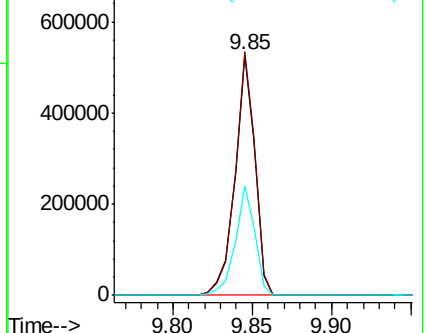
160 45.4 35.7 53.5



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: 163.379 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

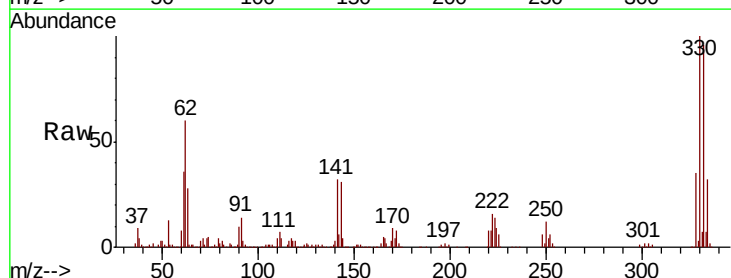
Tgt Ion:330 Resp: 770947

Ion Ratio Lower Upper

330 100

332 96.8 75.7 113.5

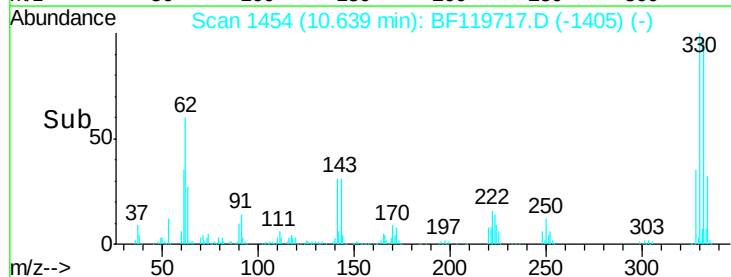
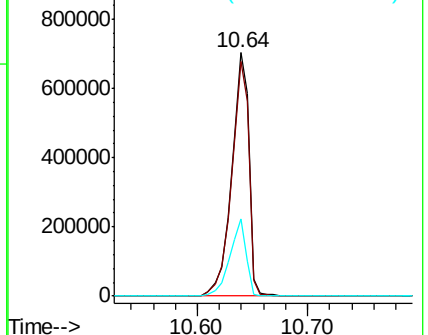
141 30.1 25.4 38.0

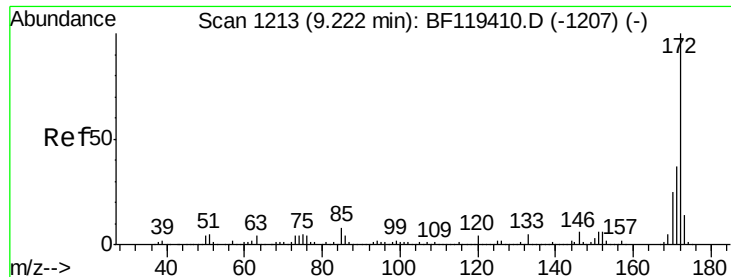


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

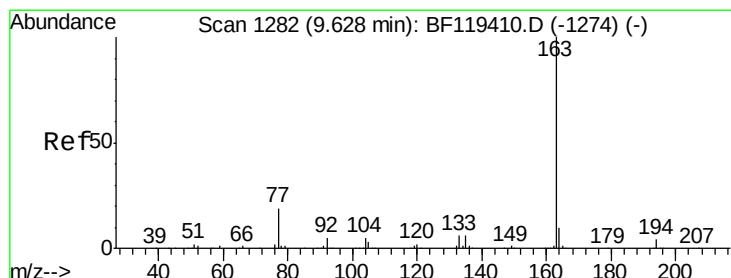
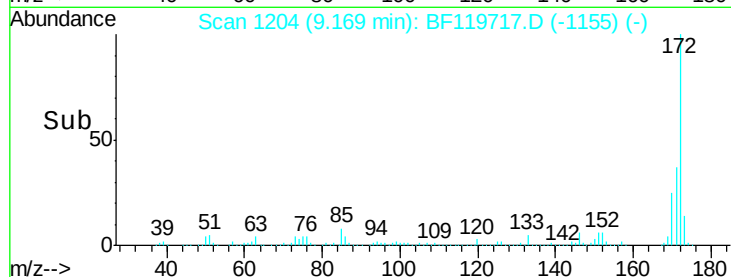
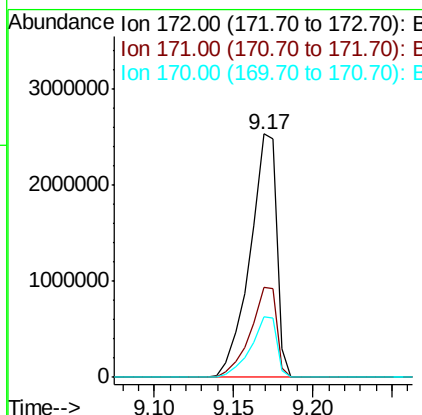
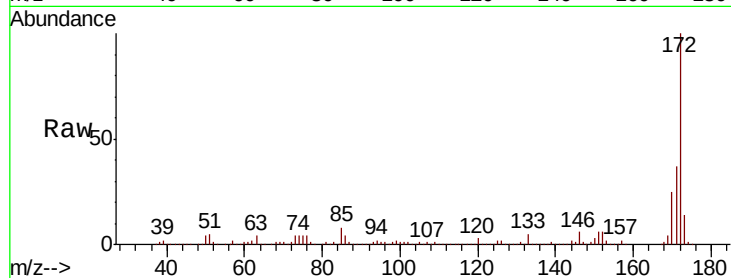




#45
2-Fluorobiphenyl
Concen: 96.162 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF119717.D
Acq: 3 Apr 2020 14:21

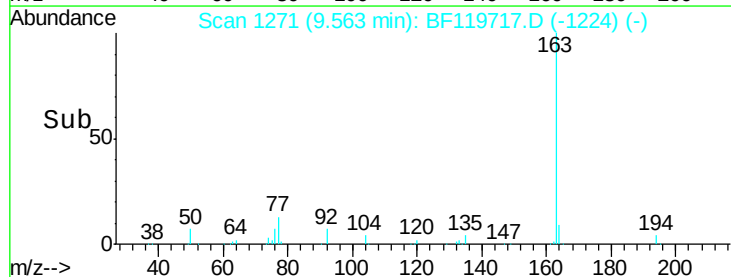
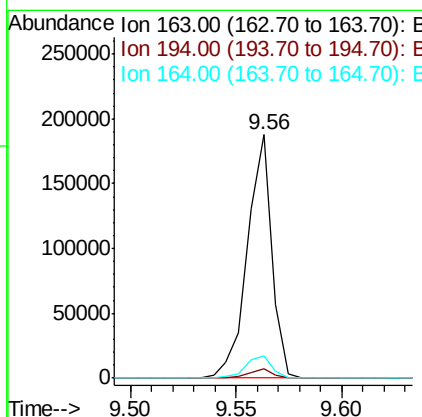
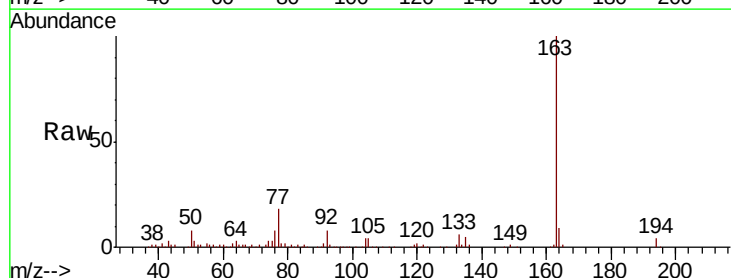
Instrument :
BNA_F
ClientSampleId :
BUS-WASH

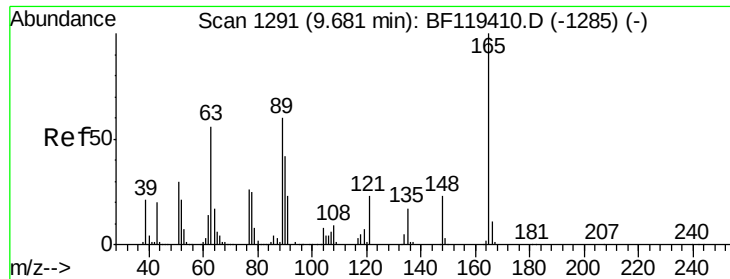
Tot Ion:172 Resp: 2968927
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 24.8 20.2 30.2



#50
Dimethylphthalate
Concen: 4.660 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF119717.D
Acq: 3 Apr 2020 14:21

Tgt Ion:163 Resp: 151401
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.0 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 8.433 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.20 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

Instrument :

BNA_F

ClientSampleId :

BUS-WASH

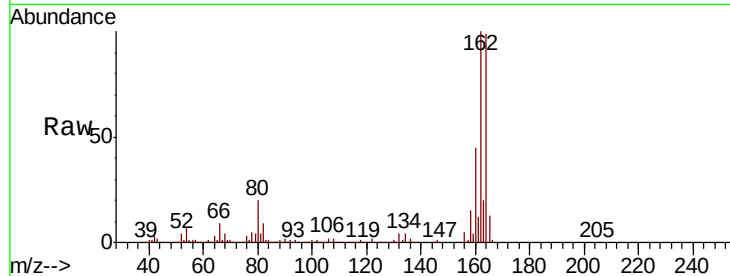
Tot Ion:165 Resp: 58727

Ion Ratio Lower Upper

165 100

63 2.3 45.0 67.4#

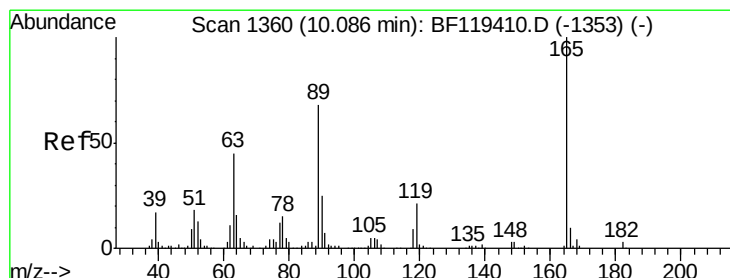
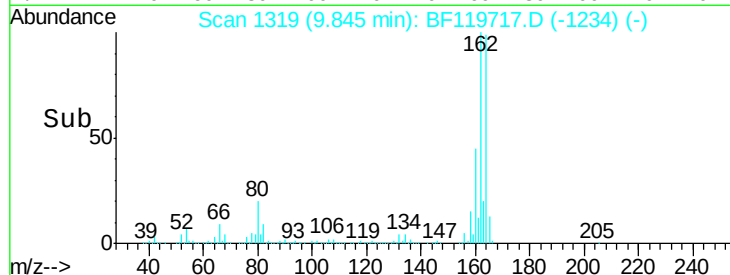
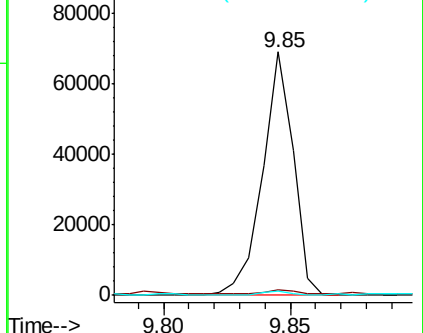
89 1.6 41.5 62.3#



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: 6.694 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

Tgt Ion:165 Resp: 58727

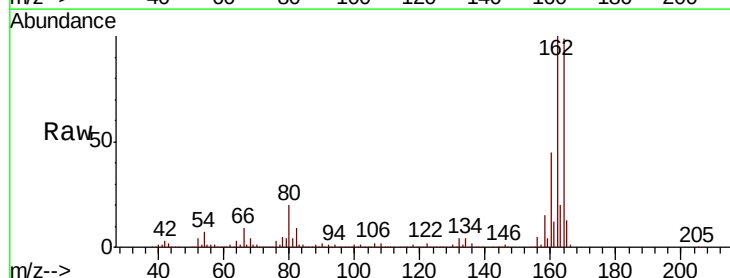
Ion Ratio Lower Upper

165 100

63 2.3 42.6 64.0#

89 1.6 61.0 91.4#

182 0.0 2.2 3.2#

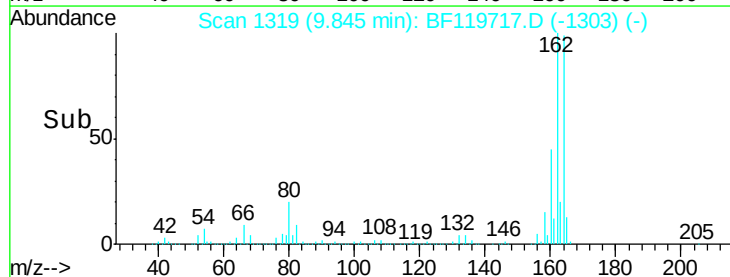
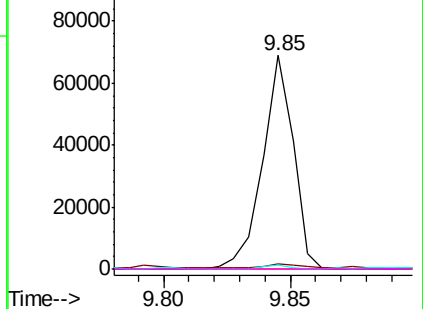


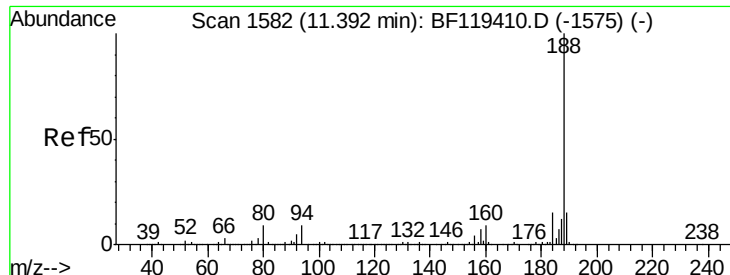
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.02 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

Instrument :

BNA_F

ClientSampleId :

BUS-WASH

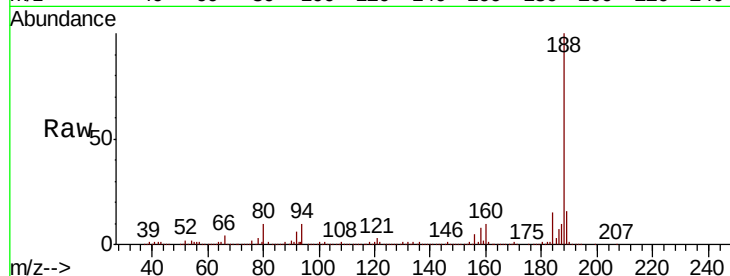
Tot Ion:188 Resp: 856818

Ion Ratio Lower Upper

188 100

94 10.2 7.5 11.3

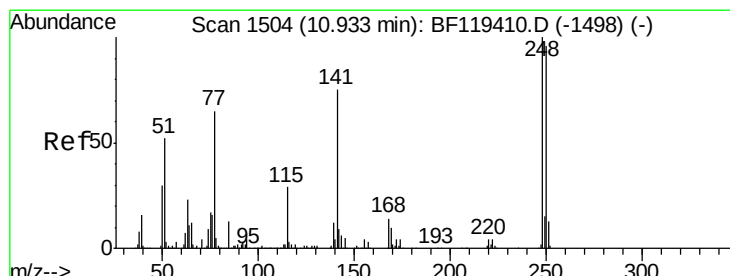
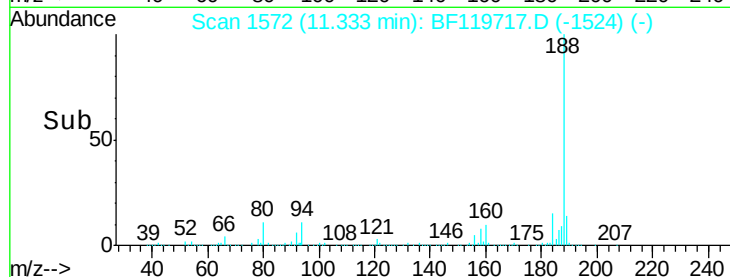
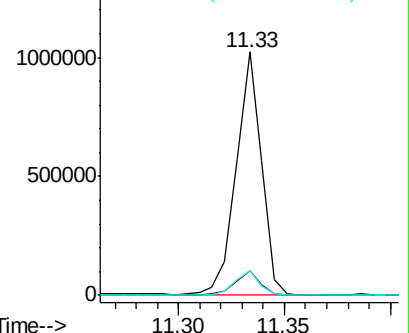
80 10.0 9.0 13.4



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: 4.810 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF119717.D

Acq: 3 Apr 2020 14:21

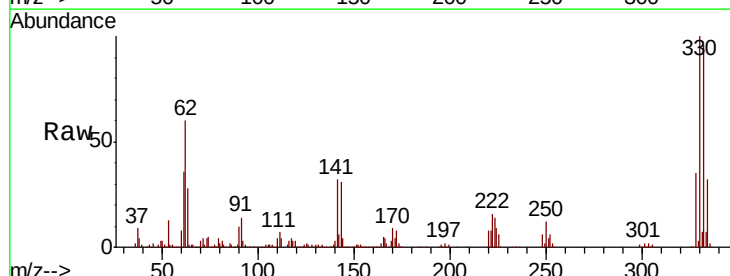
Tgt Ion:248 Resp: 46935

Ion Ratio Lower Upper

248 100

250 187.7 77.3 115.9#

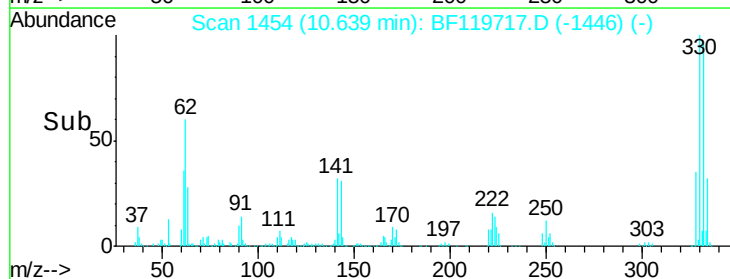
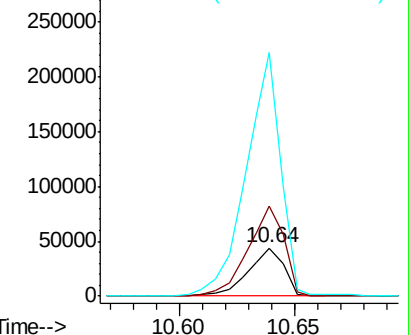
141 508.5 58.6 87.8#

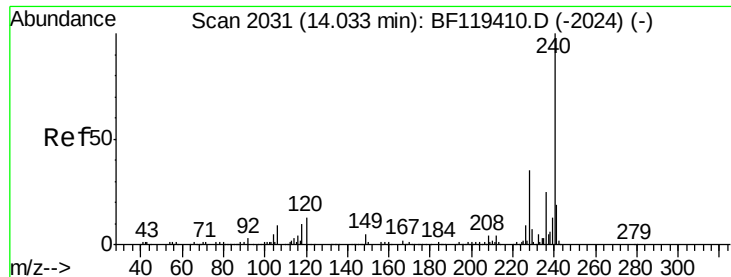


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

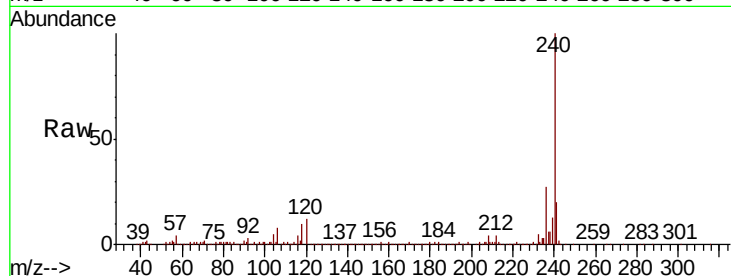




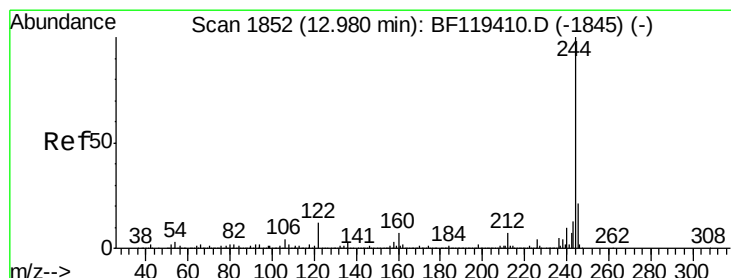
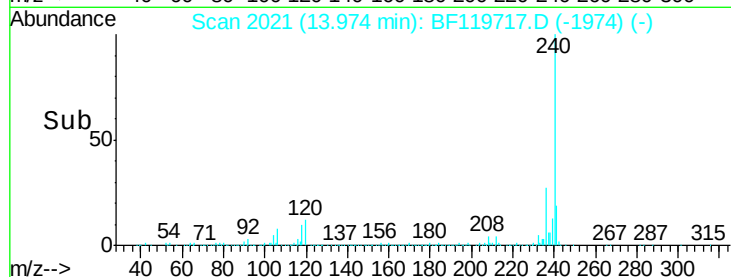
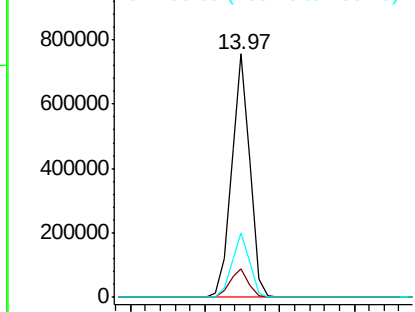
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF119717.D
Acq: 3 Apr 2020 14:21

Instrument :
BNA_F
ClientSampleId :
BUS-WASH

Tot Ion:240 Resp: 650102
Ion Ratio Lower Upper
240 100
120 11.9 10.6 15.8
236 26.6 20.2 30.2

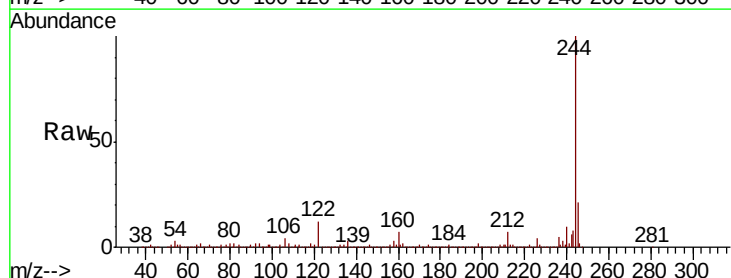


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

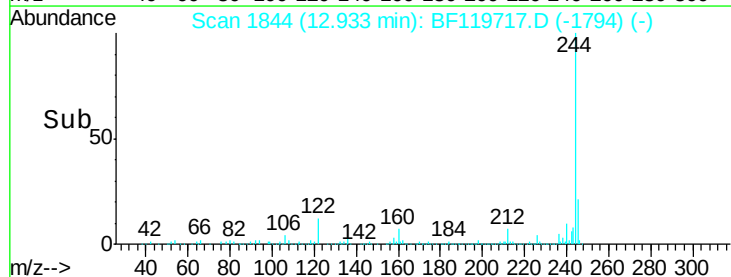
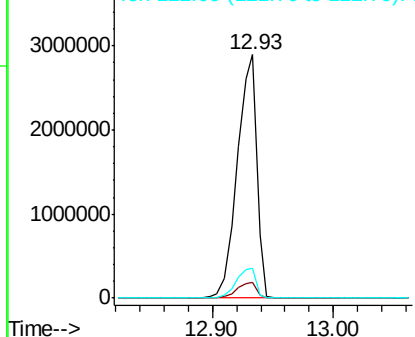


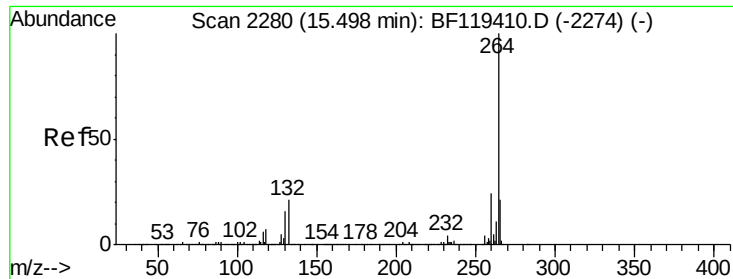
#79
Terphenyl-d14
Concen: 98.677 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF119717.D
Acq: 3 Apr 2020 14:21

Tgt Ion:244 Resp: 3274281
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.8
122 12.1 10.3 15.5



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: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF119717.D
Acq: 3 Apr 2020 14:21

Instrument :
BNA_F
ClientSampleId :
BUS-WASH

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.3	17.7	26.5

