

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
 Data File : BF118787.D
 Acq On : 31 Jan 2020 17:39
 Operator : CG/JU
 Sample : L1333-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 31 22:05:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

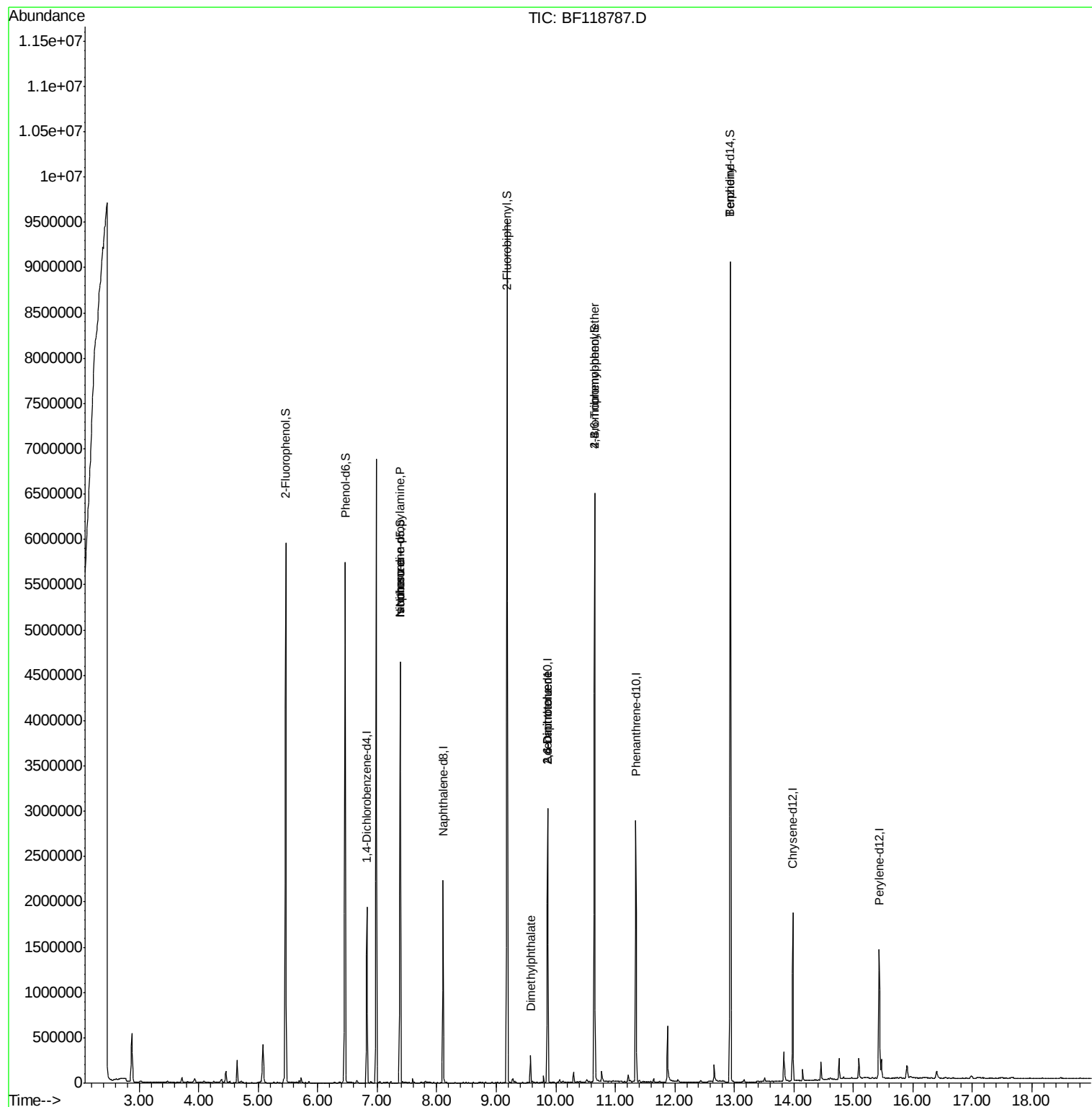
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	288790	20.00	ng	-0.04
21) Naphthalene-d8	8.10	136	1094700	20.00	ng	-0.04
39) Acenaphthene-d10	9.86	164	609997	20.00	ng	-0.04
64) Phenanthrene-d10	11.35	188	1063795	20.00	ng	-0.04
76) Chrysene-d12	13.98	240	612766	20.00	ng	-0.04
87) Perylene-d12	15.43	264	665019	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	2038316	131.09	ng	-0.01
7) Phenol-d6	6.46	99	2362466	116.90	ng	-0.03
23) Nitrobenzene-d5	7.39	82	1791040	91.51	ng	-0.04
42) 2,4,6-Tribromophenol	10.65	330	998873	141.58	ng	-0.04
45) 2-Fluorobiphenyl	9.19	172	3346166	90.16	ng	-0.04
79) Terphenyl-d14	12.93	244	3640356	129.58	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	245782	18.011	ng	# 77
25) Isophorone	7.39	82	1786599	50.049	ng	# 63
50) Dimethylphthalate	9.57	163	116118	2.922	ng	97
51) 2,6-Dinitrotoluene	9.86	165	78701	8.843	ng	# 29
57) 2,4-Dinitrotoluene	9.86	165	78701	7.015	ng	# 30
67) 4-Bromophenyl-phenylether	10.65	248	64938	4.941	ng	# 1
77) Benzidine	12.93	184	48328	2.952	ng	# 93

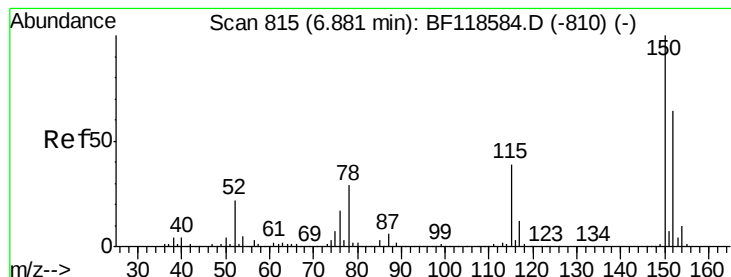
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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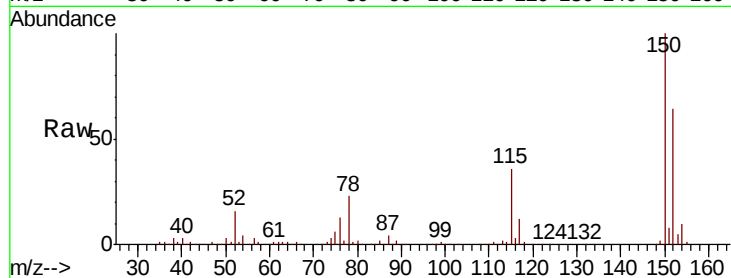


#1

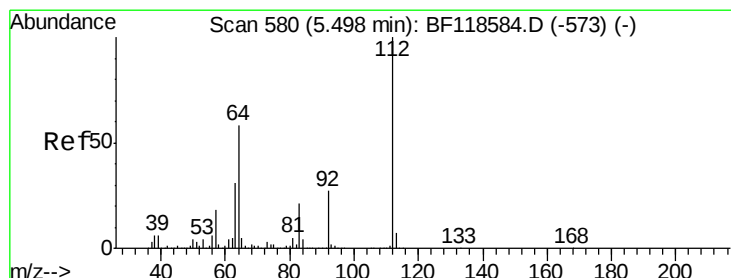
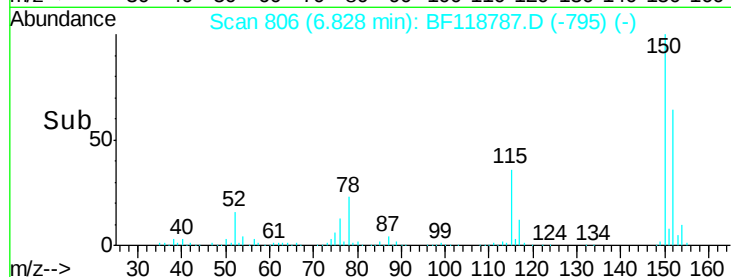
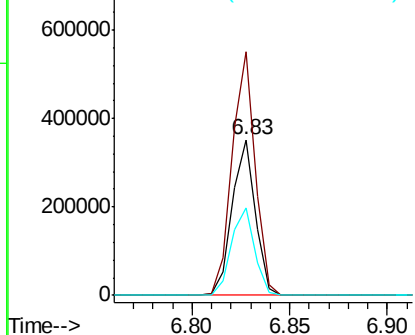
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.04 min
Lab File: BF118787.D
Acq: 31 Jan 2020 17:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 288790
Ion Ratio Lower Upper
152 100
150 156.2 123.7 185.5
115 55.7 45.1 67.7



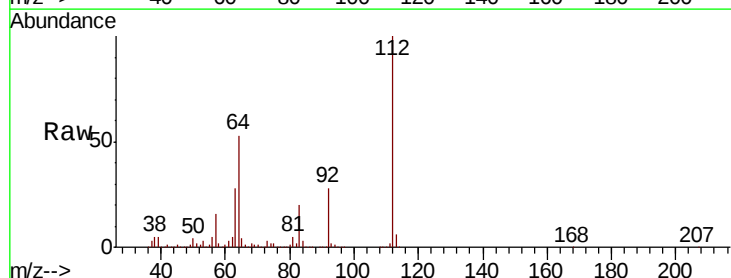
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



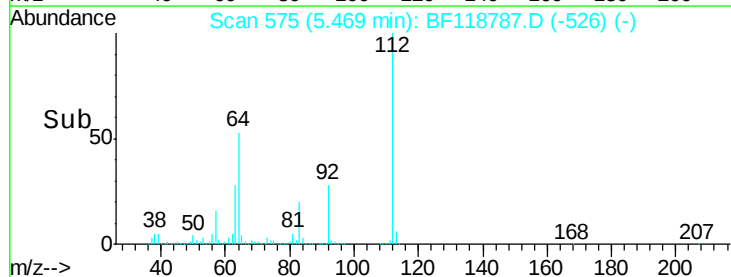
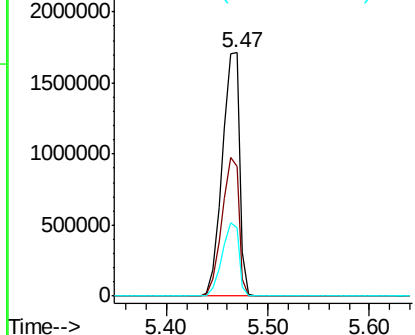
#5

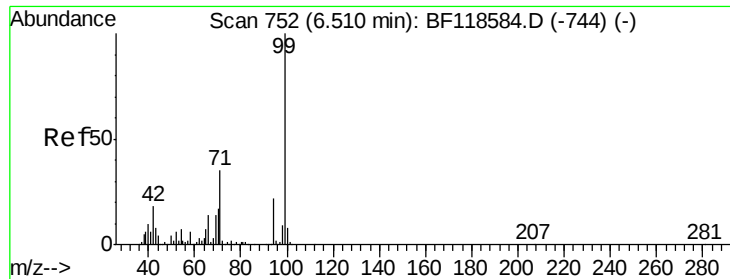
2-Fluorophenol
Concen: 131.087 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF118787.D
Acq: 31 Jan 2020 17:39

Tgt Ion:112 Resp: 2038316
Ion Ratio Lower Upper
112 100
64 53.3 42.4 63.6
63 28.3 21.7 32.5



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: 116.895 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF118787.D

Acq: 31 Jan 2020 17:39

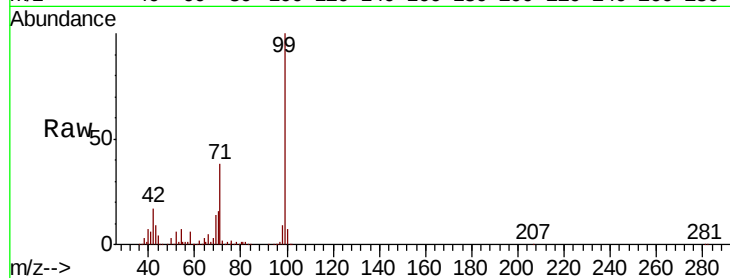
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2362466

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.1	19.7
71	37.8	28.4	42.6

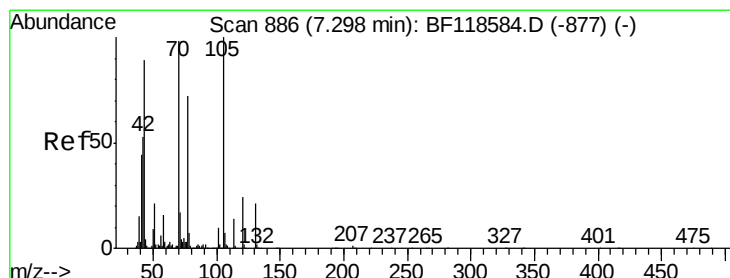
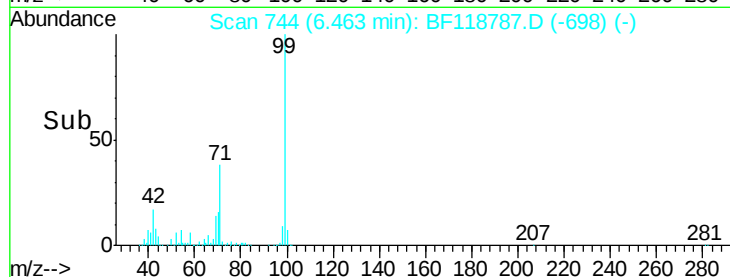
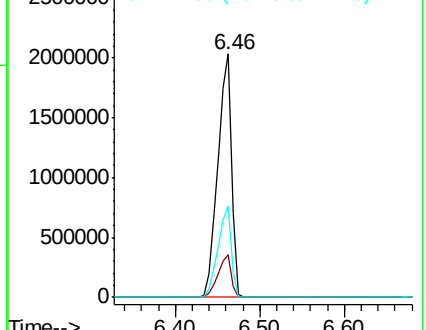


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 18.011 ng

RT: 7.39 min Scan# 901

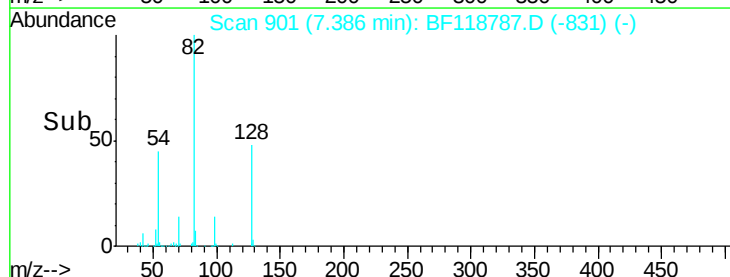
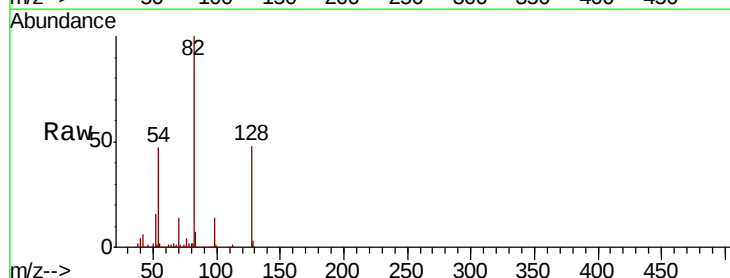
Delta R.T. 0.11 min

Lab File: BF118787.D

Acq: 31 Jan 2020 17:39

Tgt Ion: 70 Resp: 245782

Ion	Ratio	Lower	Upper
70	100		
42	43.4	41.6	62.4
101	0.0	7.9	11.9#
130	2.4	19.0	28.6#



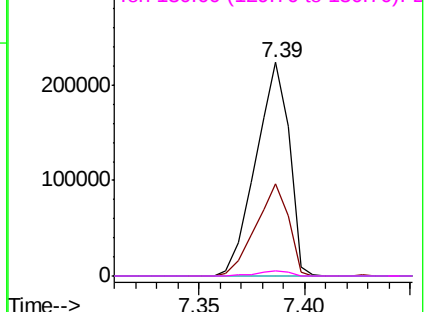
Abundance

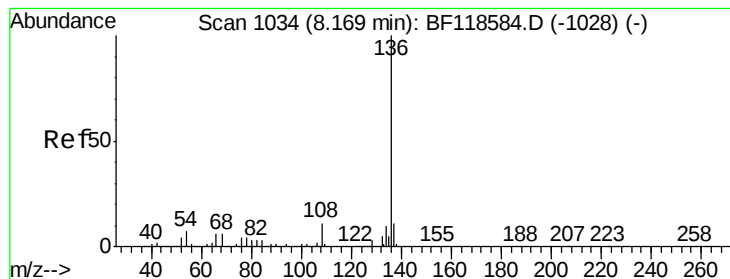
Ion 70.00 (69.70 to 70.70): BF1

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. -0.04 min

Lab File: BF118787.D

Acq: 31 Jan 2020 17:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1094700

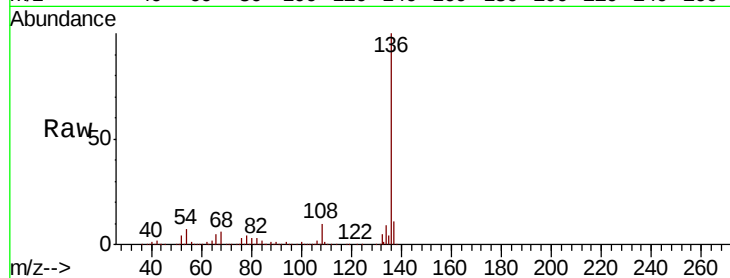
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.0 5.1 7.7

68 6.1 4.3 6.5

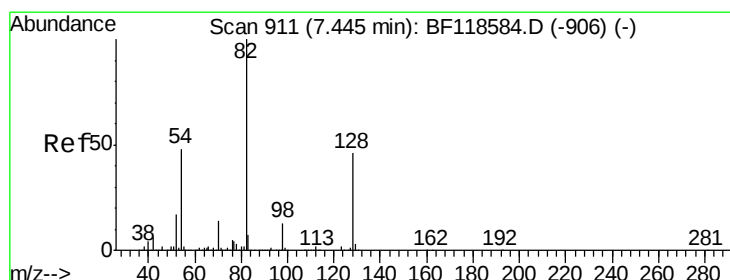
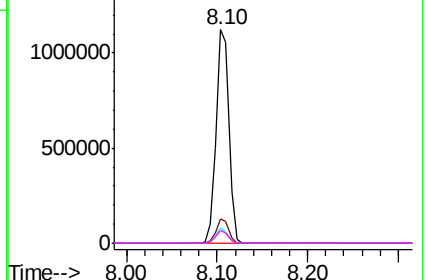
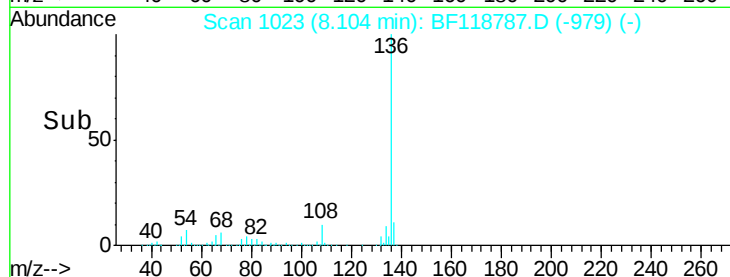


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.514 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.04 min

Lab File: BF118787.D

Acq: 31 Jan 2020 17:39

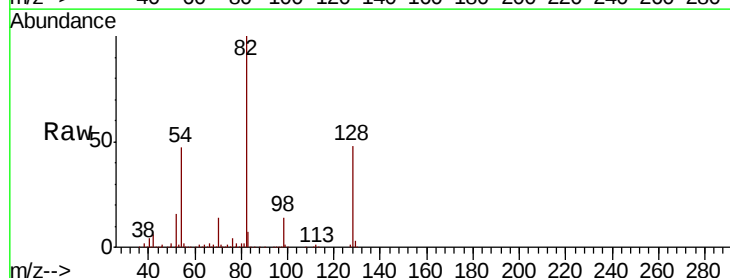
Tgt Ion: 82 Resp: 1791040

Ion Ratio Lower Upper

82 100

128 48.3 38.2 57.2

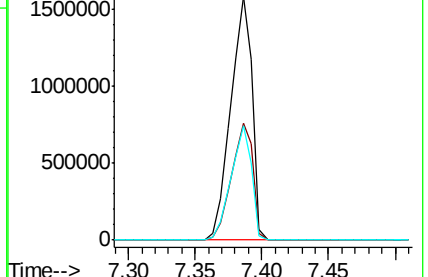
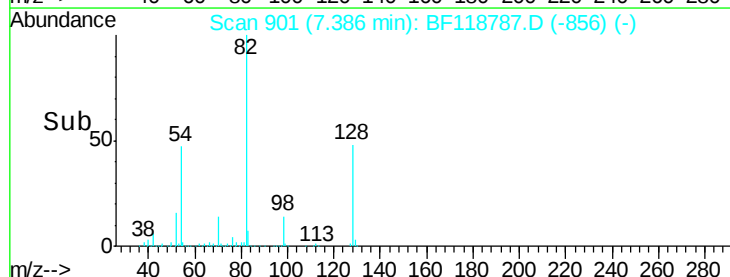
54 46.7 36.1 54.1

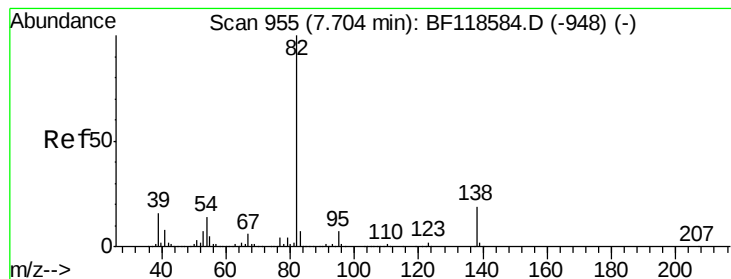


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.049 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.29 min

Lab File: BF118787.D

Acq: 31 Jan 2020 17:39

Instrument :

BNA_F

ClientSampleId :

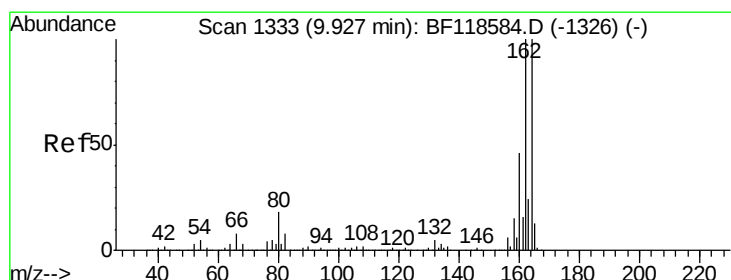
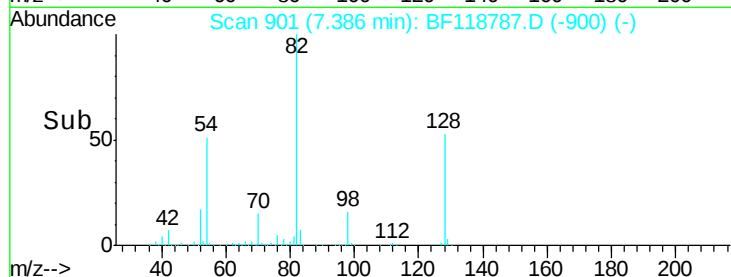
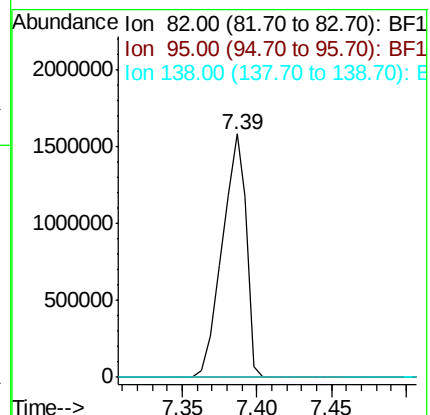
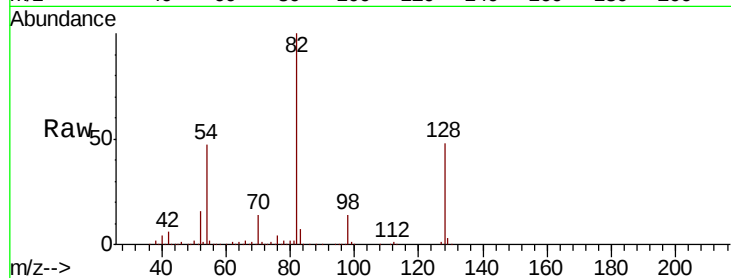
Tot Ion: 82 Resp: 1786599

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 15.8 23.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.04 min

Lab File: BF118787.D

Acq: 31 Jan 2020 17:39

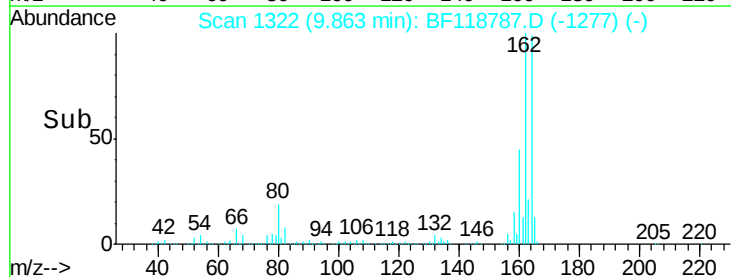
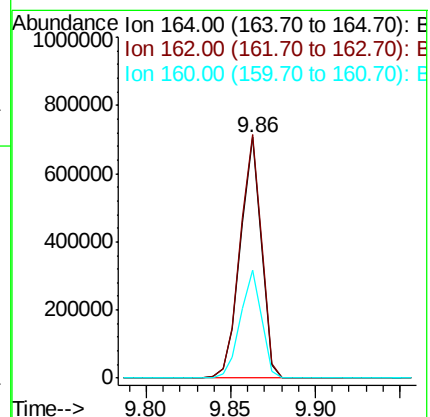
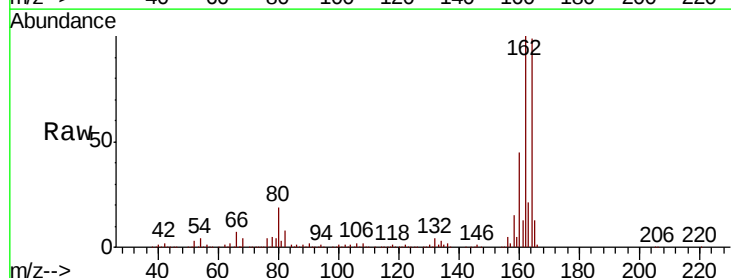
Tgt Ion: 164 Resp: 609997

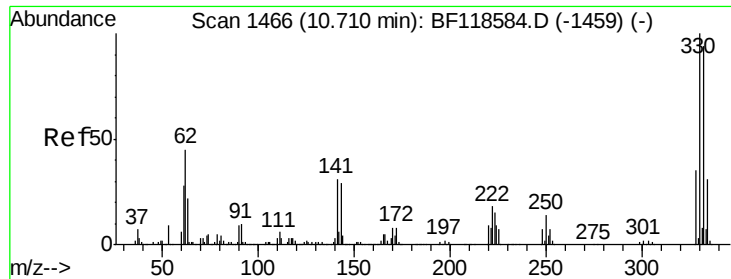
Ion Ratio Lower Upper

164 100

162 101.1 80.8 121.2

160 45.0 35.4 53.0

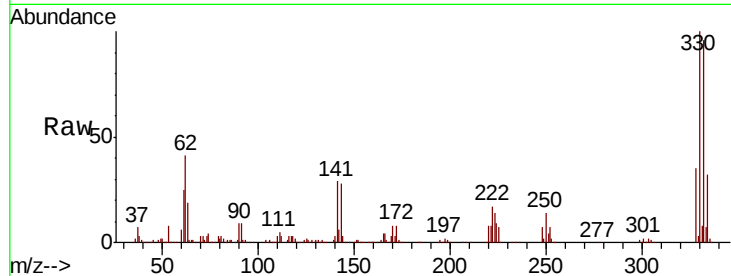




#42
 2,4,6-Tribromophenol
 Concen: 141.576 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.04 min
 Lab File: BF118787.D
 Acq: 31 Jan 2020 17:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	27.5	22.2	33.2

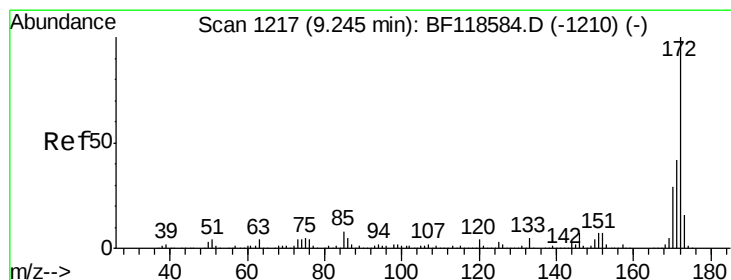
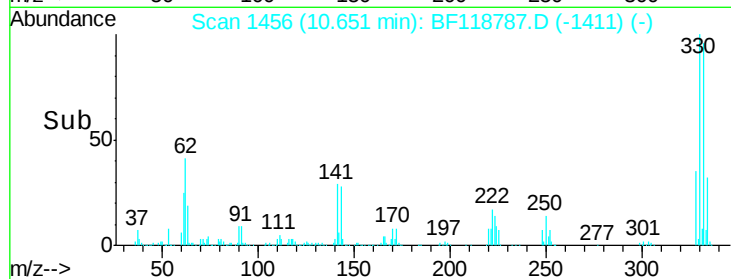
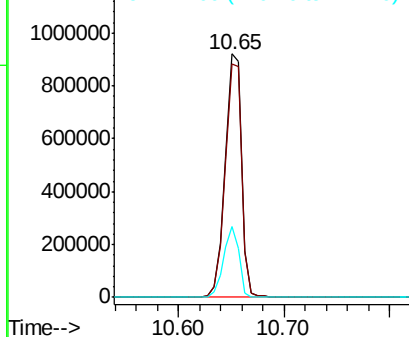


Abundance

Ion 329.80 (329.50 to 330.50): E

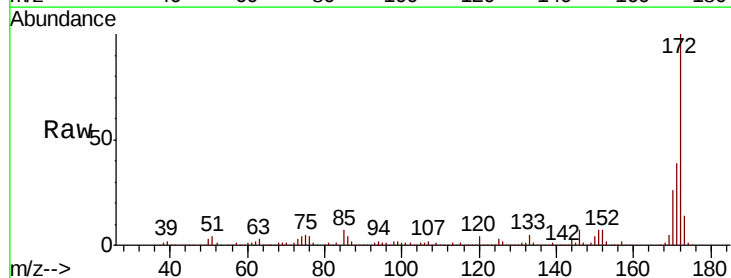
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.161 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.04 min
 Lab File: BF118787.D
 Acq: 31 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.0	46.4
170	26.0	20.7	31.1

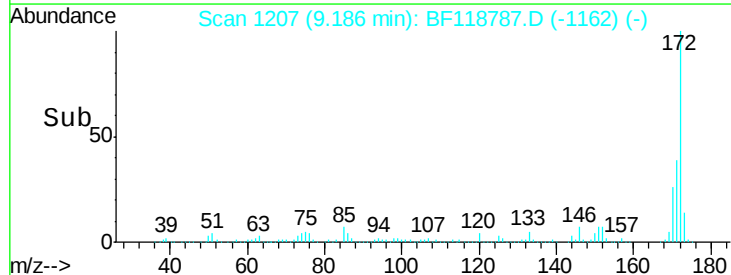
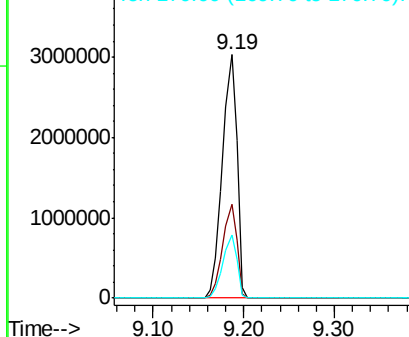


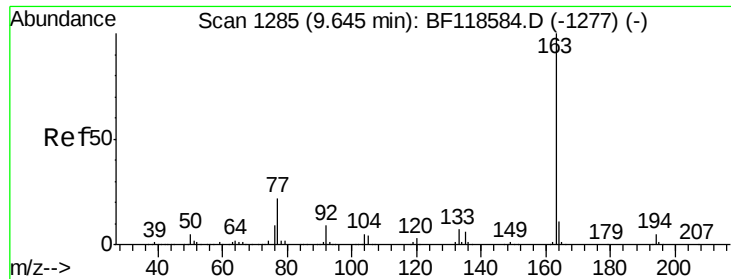
Abundance

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: 2.922 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.05 min

Lab File: BF118787.D

Acq: 31 Jan 2020 17:39

Instrument :

BNA_F

ClientSampleId :

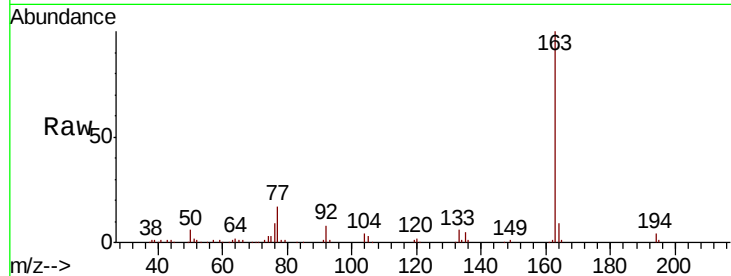
Tot Ion:163 Resp: 116118

Ion Ratio Lower Upper

163 100

194 4.1 3.7 5.5

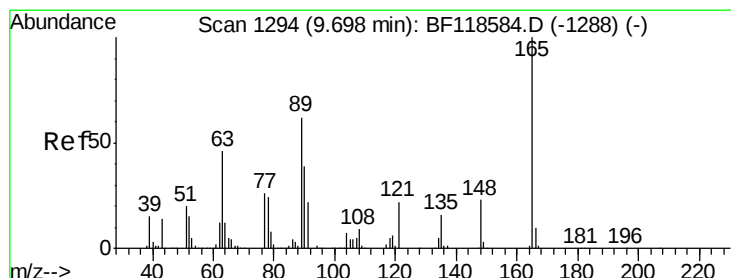
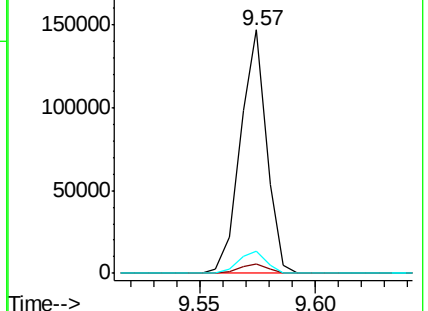
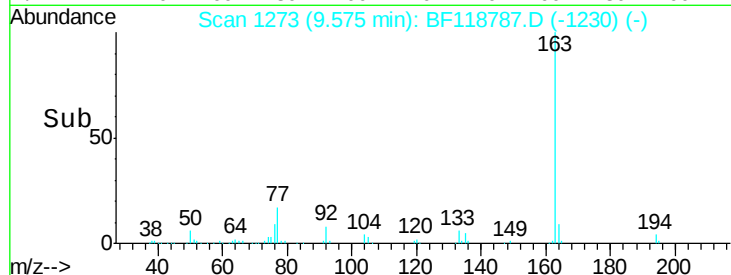
164 9.1 8.2 12.2



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: 8.843 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.19 min

Lab File: BF118787.D

Acq: 31 Jan 2020 17:39

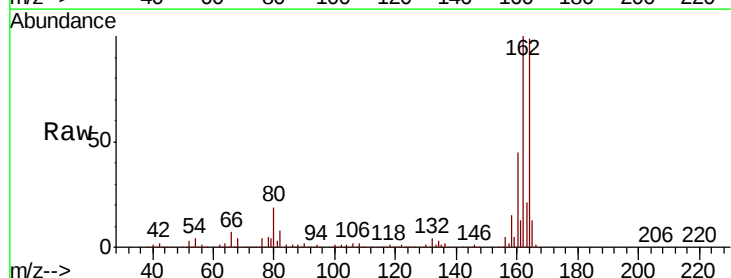
Tgt Ion:165 Resp: 78701

Ion Ratio Lower Upper

165 100

63 1.0 39.8 59.6#

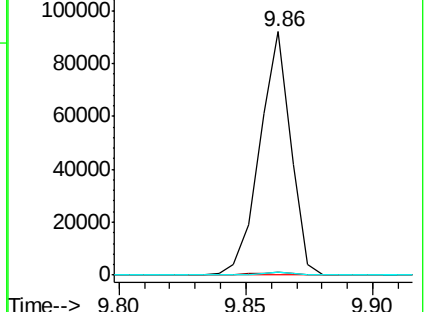
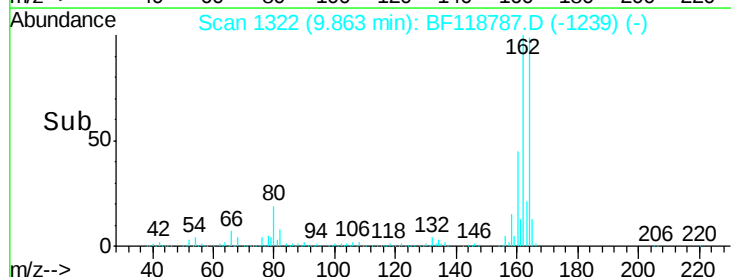
89 1.4 41.4 62.2#

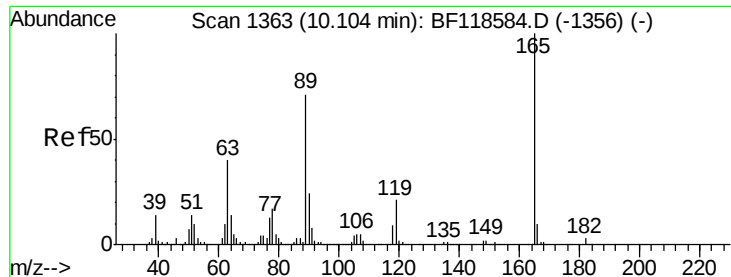


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

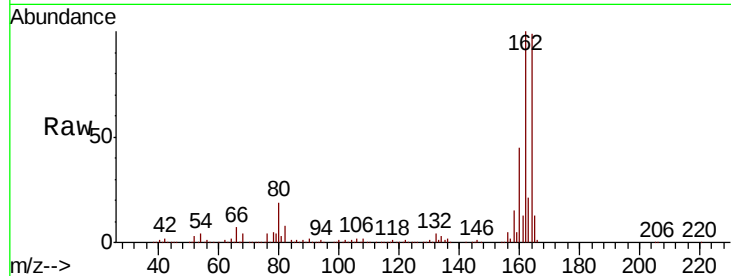




#57
 2,4-Dinitrotoluene
 Concen: 7.015 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.22 min
 Lab File: BF118787.D
 Acq: 31 Jan 2020 17:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	28.5	42.7#
89	1.4	50.4	75.6#
182	0.0	2.3	3.5#

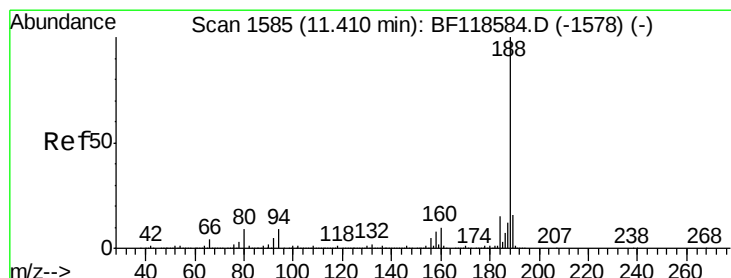
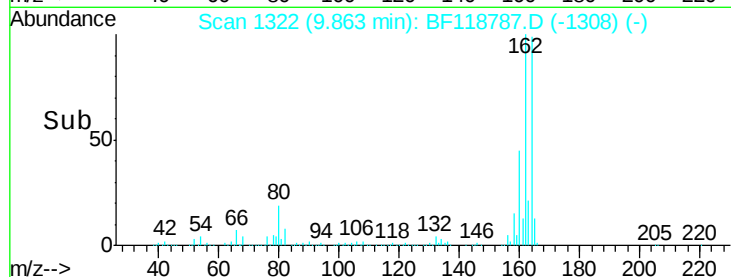
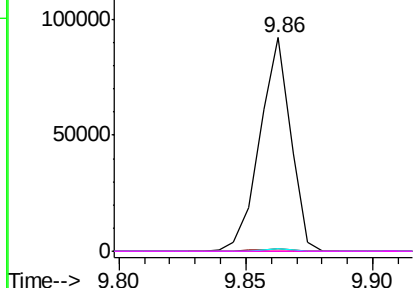


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

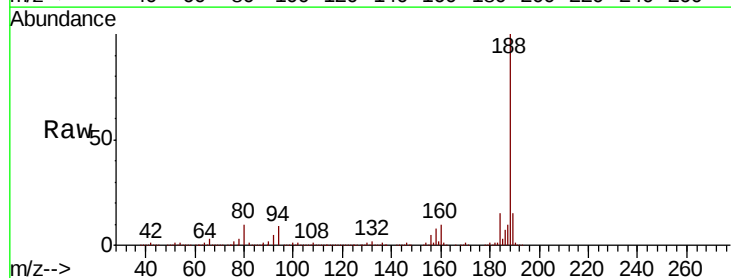
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.04 min
 Lab File: BF118787.D
 Acq: 31 Jan 2020 17:39

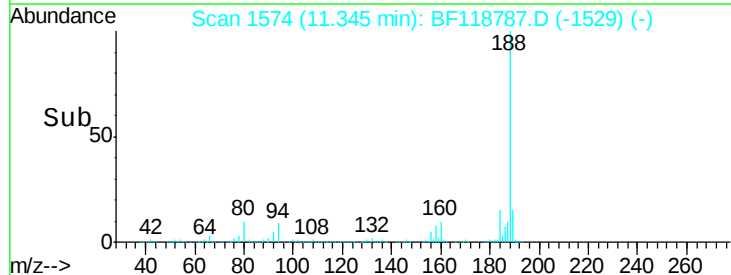
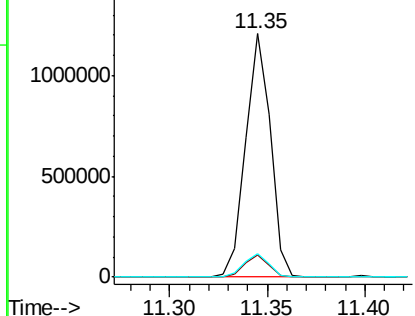
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.2
80	9.8	7.8	11.8



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

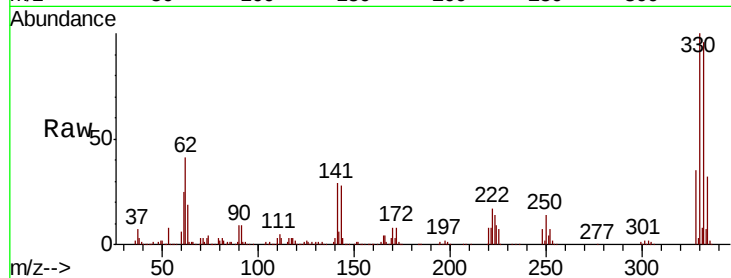




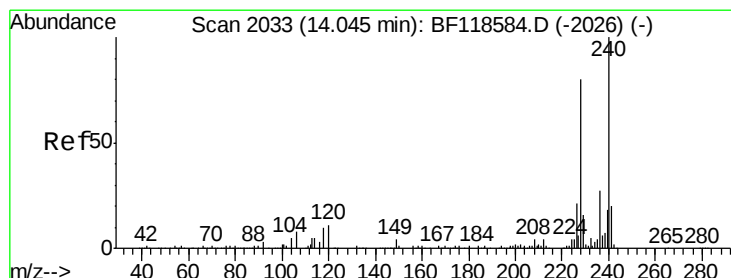
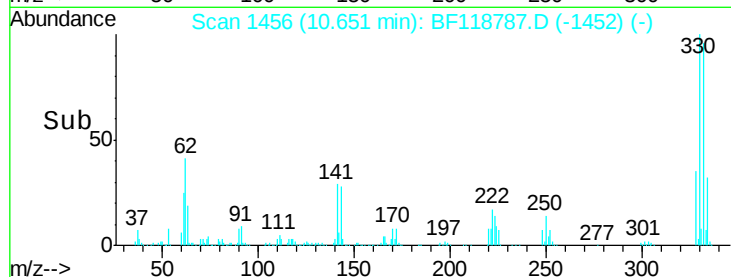
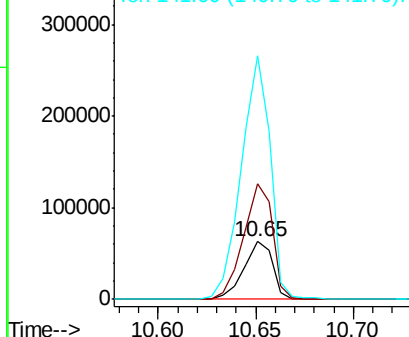
#67
4-Bromophenyl-phenylether
Concen: 4.941 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.28 min
Lab File: BF118787.D
Acq: 31 Jan 2020 17:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 64938
Ion Ratio Lower Upper
248 100
250 200.5 78.7 118.1#
141 424.0 48.4 72.6#

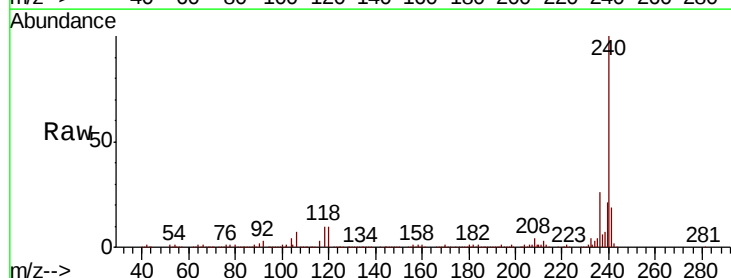


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

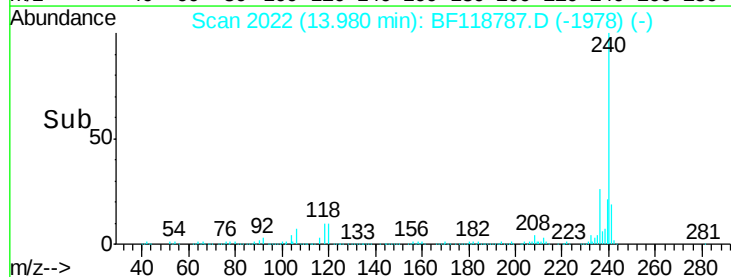
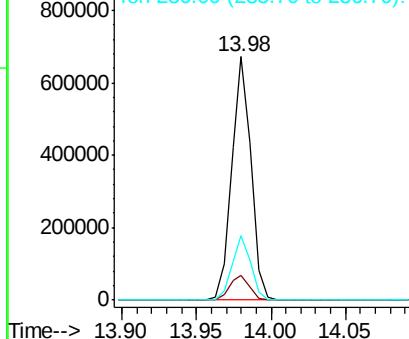


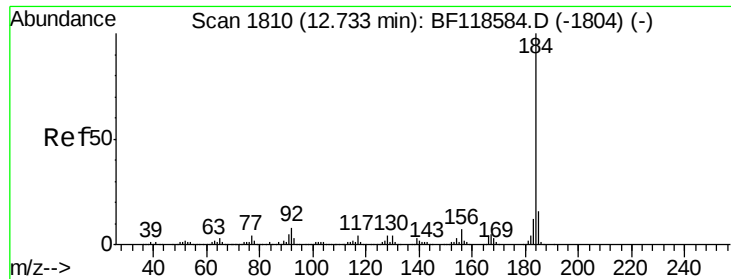
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.04 min
Lab File: BF118787.D
Acq: 31 Jan 2020 17:39

Tgt Ion:240 Resp: 612766
Ion Ratio Lower Upper
240 100
120 10.4 7.6 11.4
236 26.3 21.0 31.4



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: 2.952 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.22 min

Lab File: BF118787.D

Acq: 31 Jan 2020 17:39

Instrument :

BNA_F

ClientSampleId :

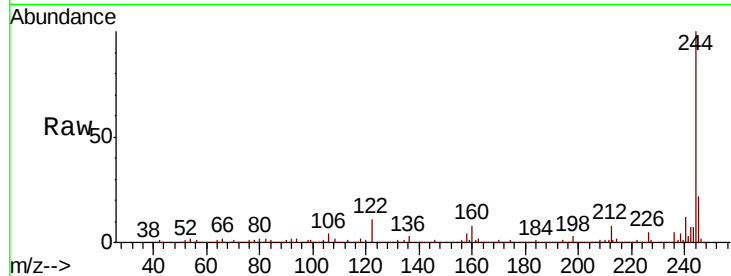
Tot Ion:184 Resp: 48328

Ion Ratio Lower Upper

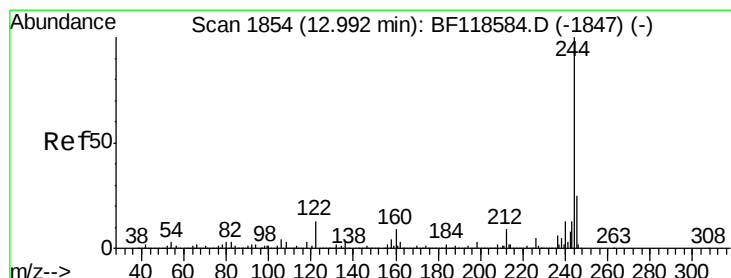
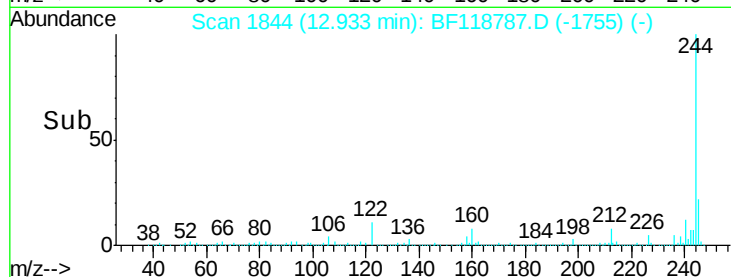
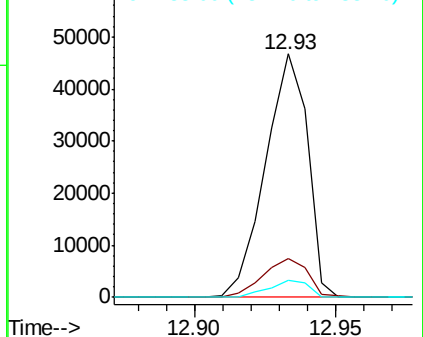
184 100

185 16.0 11.8 17.8

183 7.1 9.7 14.5#



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: 129.576 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.03 min

Lab File: BF118787.D

Acq: 31 Jan 2020 17:39

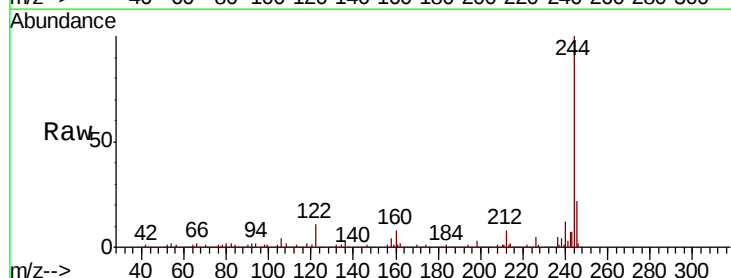
Tgt Ion:244 Resp: 3640356

Ion Ratio Lower Upper

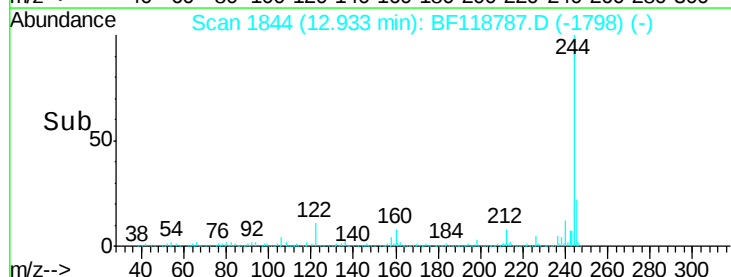
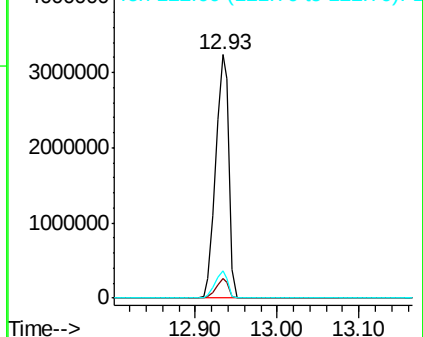
244 100

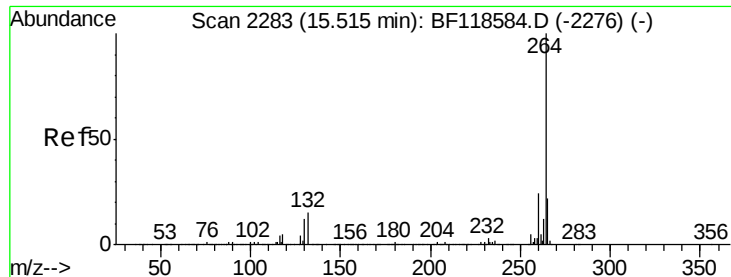
212 8.1 6.3 9.5

122 11.3 9.2 13.8



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# 2269
Delta R.T. -0.05 min
Lab File: BF118787.D
Acq: 31 Jan 2020 17:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.7	17.0	25.6

