

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\
 Data File : BF119221.D
 Acq On : 5 Mar 2020 19:34
 Operator : CG/JU
 Sample : PB127192BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 06:28:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

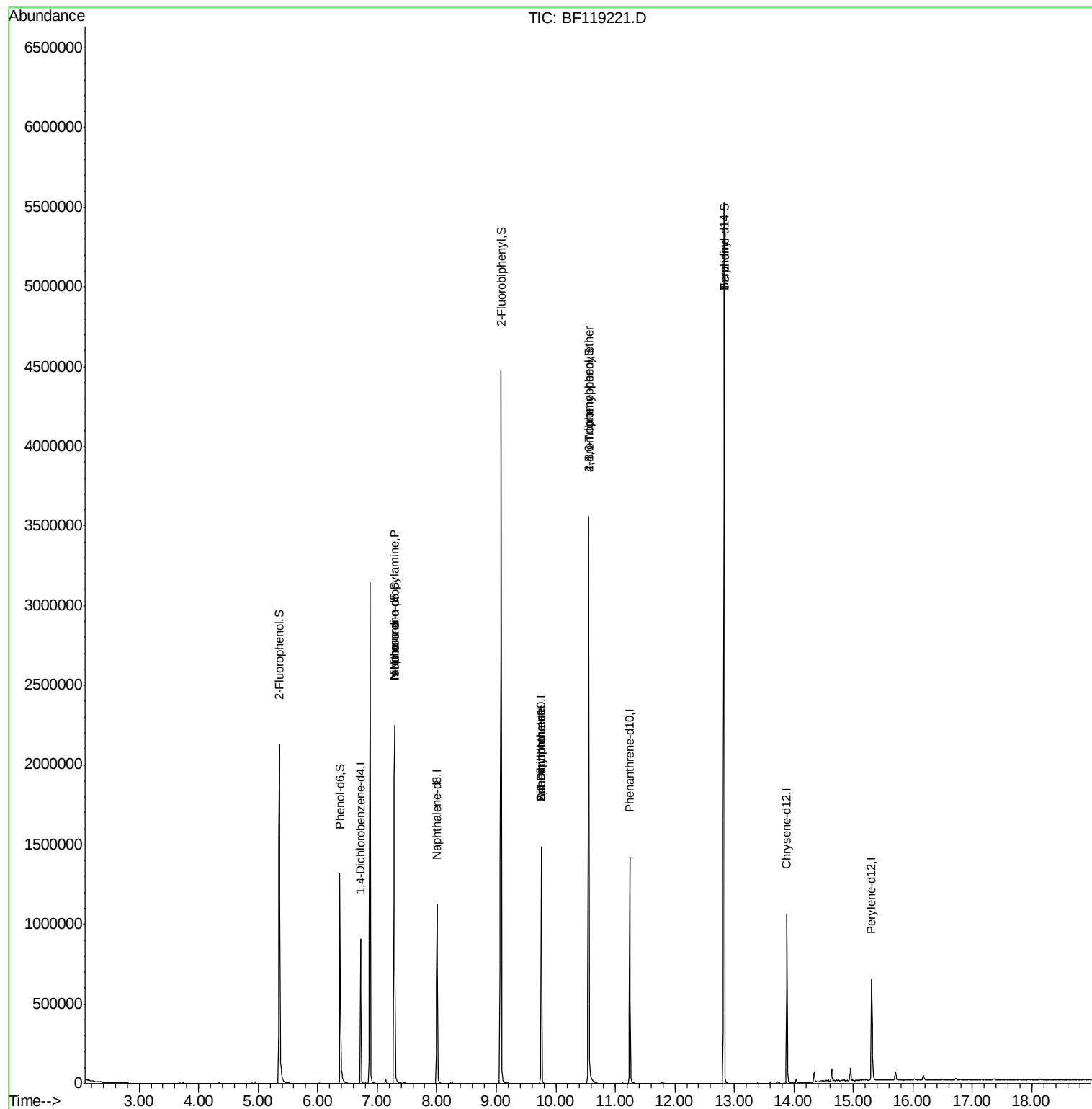
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	143336	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	551819	20.00	ng	-0.03
39) Acenaphthene-d10	9.76	164	311329	20.00	ng	-0.03
64) Phenanthrene-d10	11.25	188	584607	20.00	ng	-0.02
76) Chrysene-d12	13.88	240	358507	20.00	ng	-0.02
87) Perylene-d12	15.30	264	293813	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	683691	79.71	ng	-0.01
7) Phenol-d6	6.37	99	547312	52.47	ng	-0.03
23) Nitrobenzene-d5	7.29	82	888946	85.06	ng	-0.03
42) 2,4,6-Tribromophenol	10.56	330	525549	129.04	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	1725877	81.67	ng	-0.02
79) Terphenyl-d14	12.83	244	2182635	104.82	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	123760	20.361	ng	# 76
25) Isophorone	7.29	82	884626	48.738	ng	# 63
50) Dimethylphthalate	9.76	163	63425	2.664	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	39986	7.560	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	39986	5.832	ng	# 20
67) 4-Bromophenyl-phenylether	10.55	248	34876	4.564	ng	# 1
77) Benzidine	12.83	184	29621	2.032	ng	# 92

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

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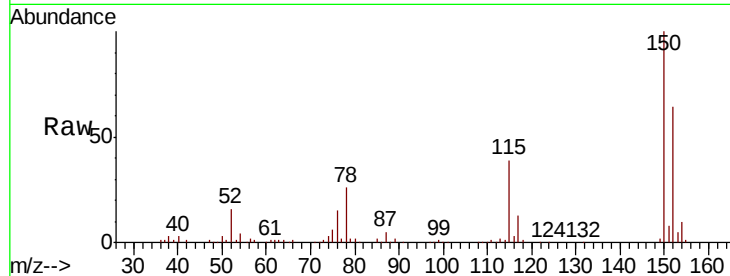


#1

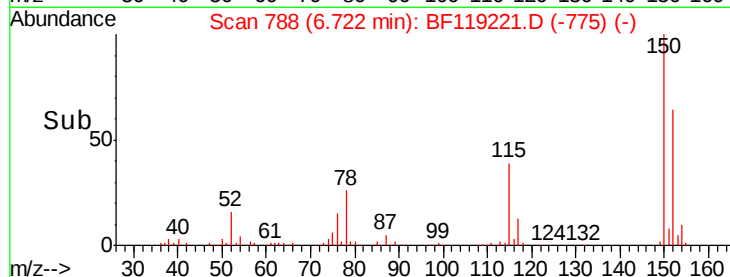
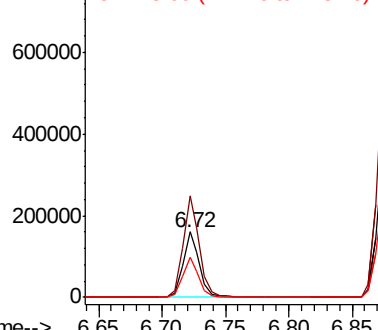
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.02 min
Lab File: BF119221.D
Acq: 5 Mar 2020 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143336
Ion Ratio Lower Upper
152 100
150 156.3 123.0 184.6
115 60.8 49.5 74.3



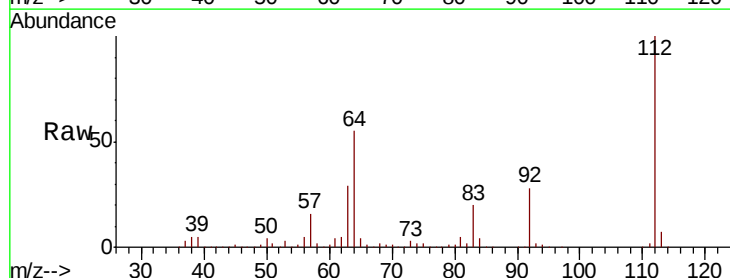
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



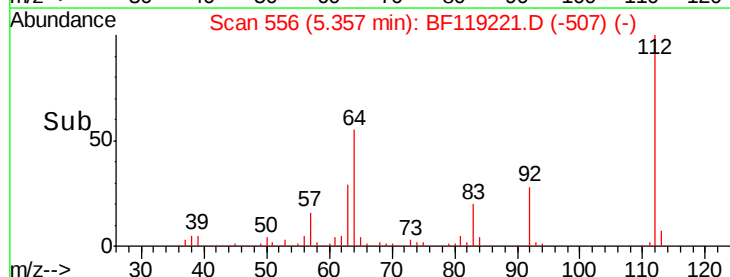
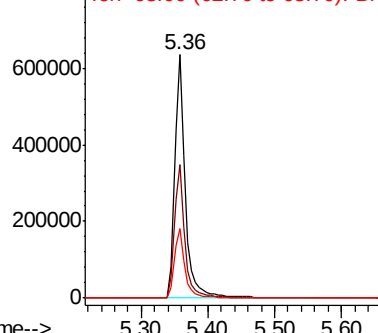
#5

2-Fluorophenol
Concen: 79.713 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF119221.D
Acq: 5 Mar 2020 19:34

Tgt Ion:112 Resp: 683691
Ion Ratio Lower Upper
112 100
64 55.0 45.0 67.4
63 28.8 24.2 36.4



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: 52.469 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.03 min

Lab File: BF119221.D

Acq: 5 Mar 2020 19:34

Instrument :

BNA_F

ClientSampleId :

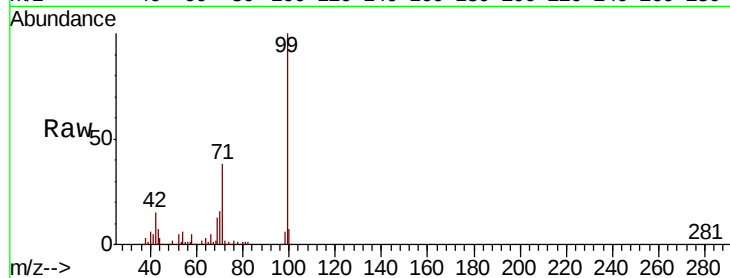
Tot Ion: 99 Resp: 547312

Ion Ratio Lower Upper

99 100

42 15.1 12.6 18.8

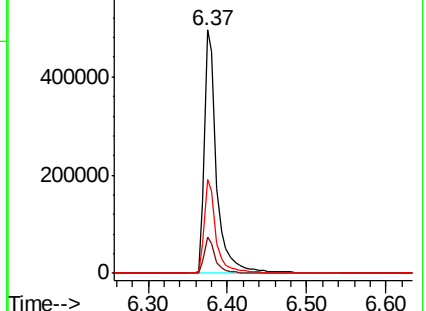
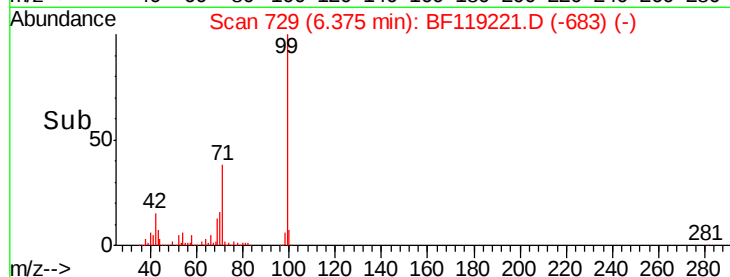
71 38.3 31.0 46.4



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: 20.361 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.12 min

Lab File: BF119221.D

Acq: 5 Mar 2020 19:34

Tgt Ion: 70 Resp: 123760

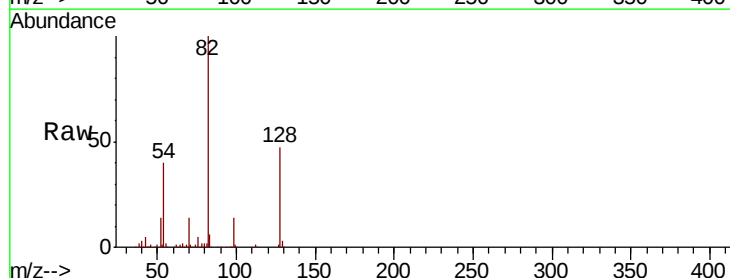
Ion Ratio Lower Upper

70 100

42 37.4 38.0 57.0#

101 0.0 8.2 12.4#

130 2.1 18.2 27.4#

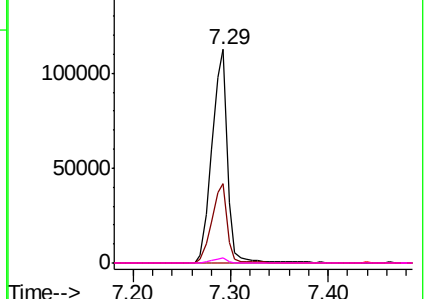
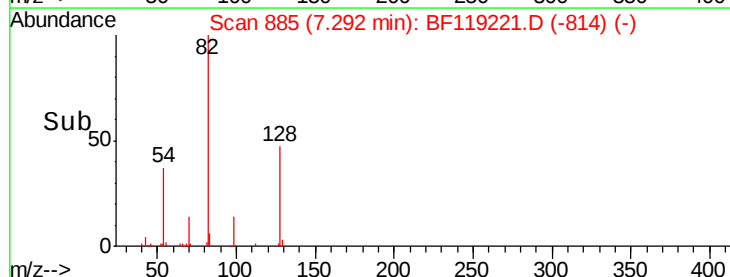


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

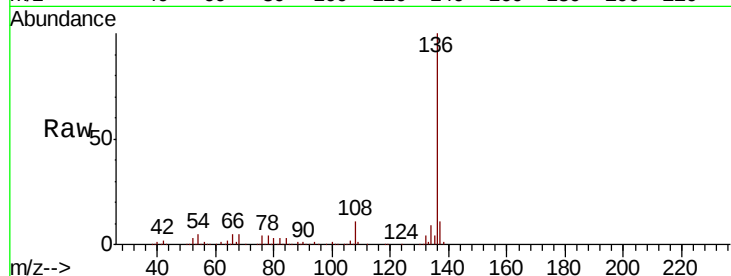




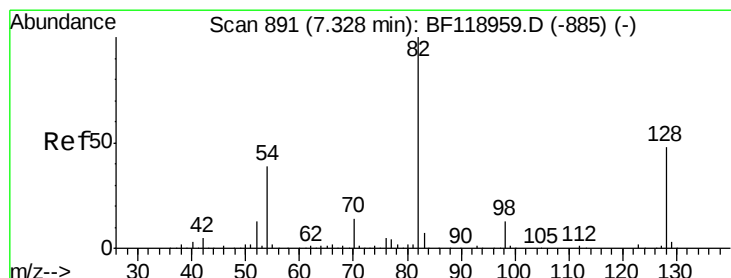
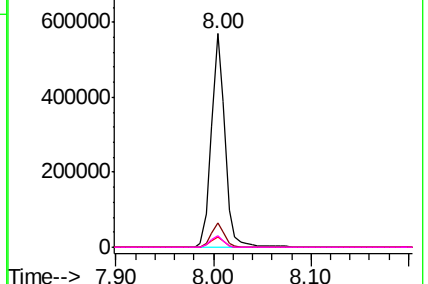
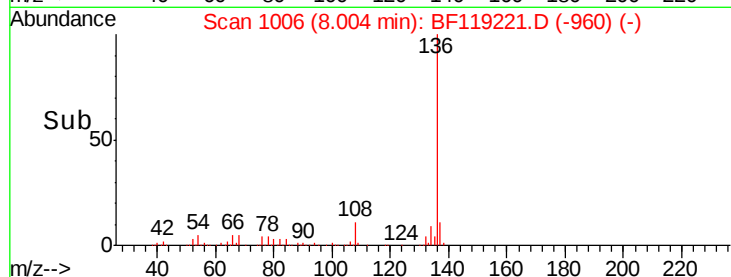
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF119221.D
Acq: 5 Mar 2020 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	551819
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.8 13.2
54	5.1	3.8 5.6
68	5.5	3.9 5.9

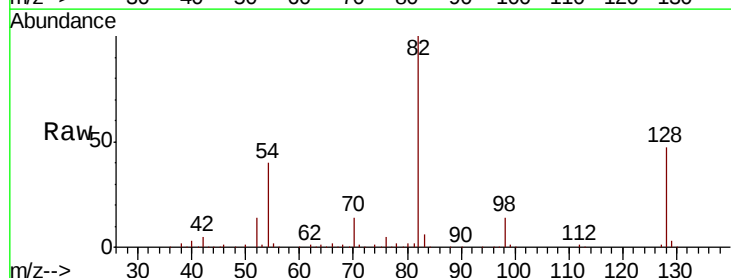


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

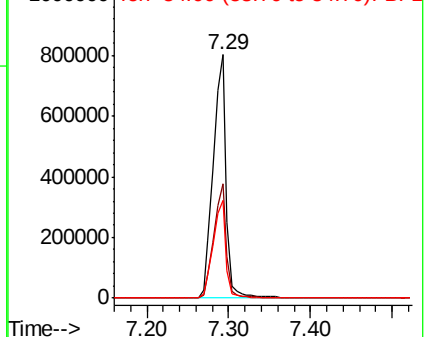
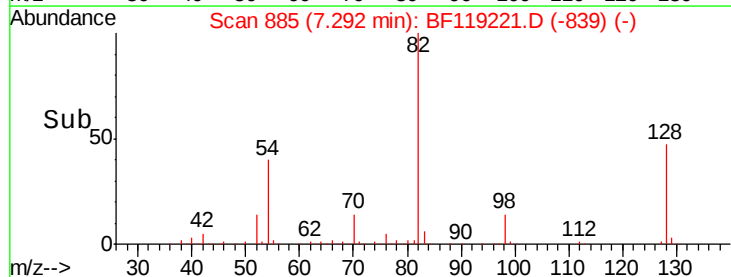


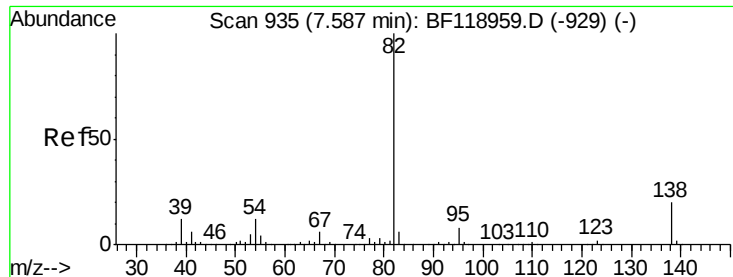
#23
Nitrobenzene-d5
Concen: 85.058 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF119221.D
Acq: 5 Mar 2020 19:34

Tgt Ion: 82	Resp:	888946
Ion	Ratio	Lower Upper
82	100	
128	46.7	37.9 56.9
54	40.2	33.4 50.2



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

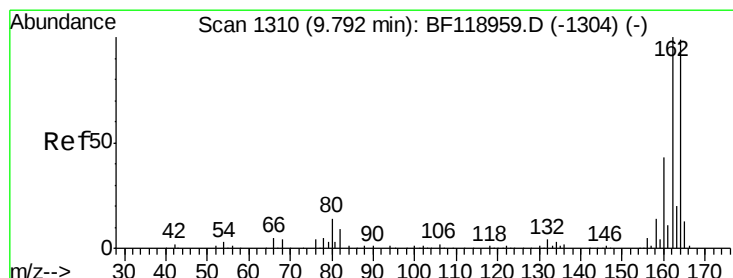
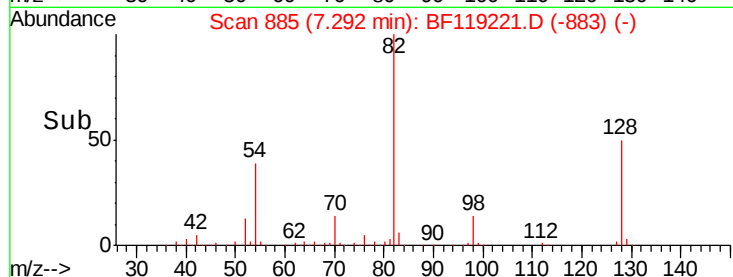
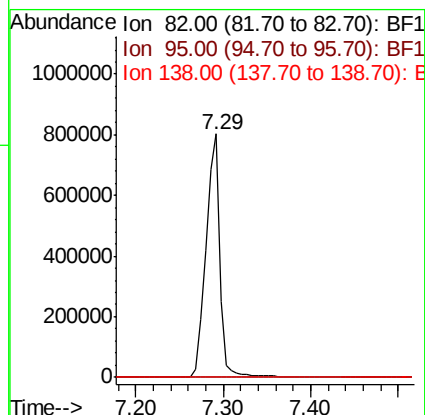
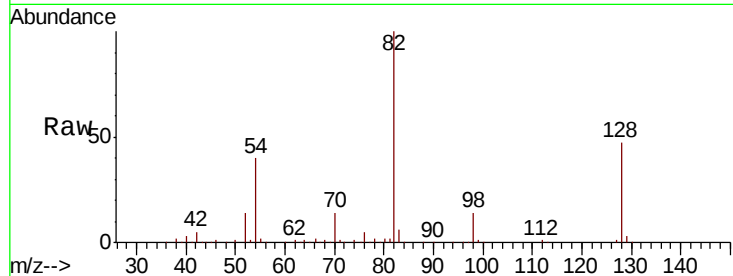




#25
Isophorone
Concen: 48.738 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.29 min
Lab File: BF119221.D
Acq: 5 Mar 2020 19:34

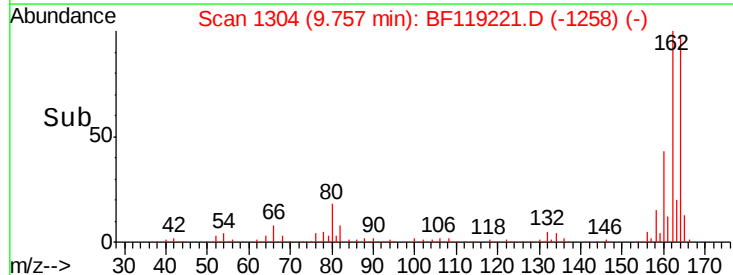
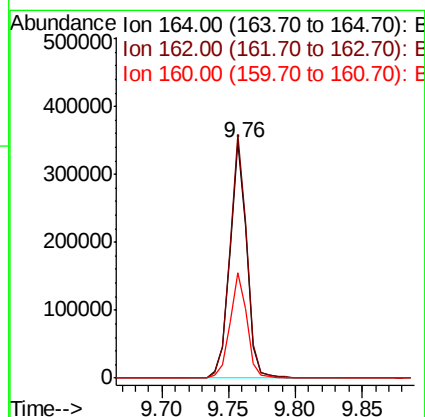
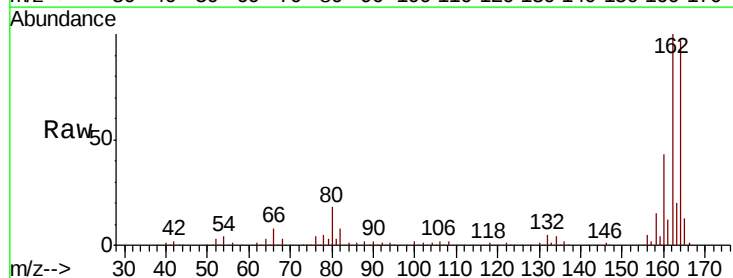
Instrument :
BNA_F
ClientSampleId :

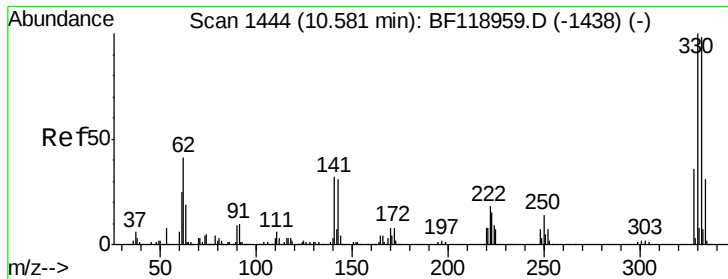
Tot Ion: 82 Resp: 884626
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.03 min
Lab File: BF119221.D
Acq: 5 Mar 2020 19:34

Tgt Ion: 164 Resp: 311329
Ion Ratio Lower Upper
164 100
162 103.3 81.8 122.8
160 44.6 36.0 54.0

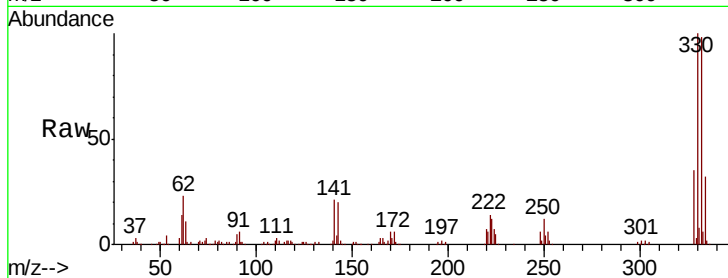




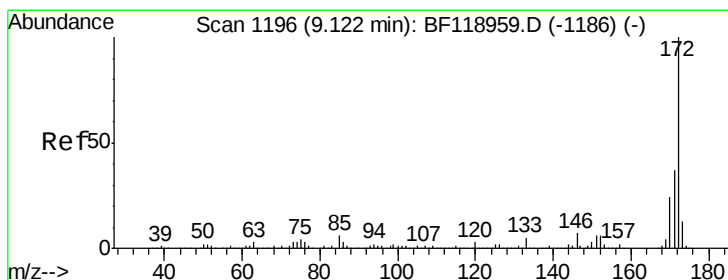
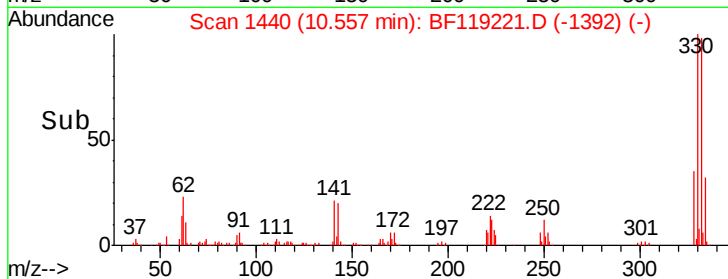
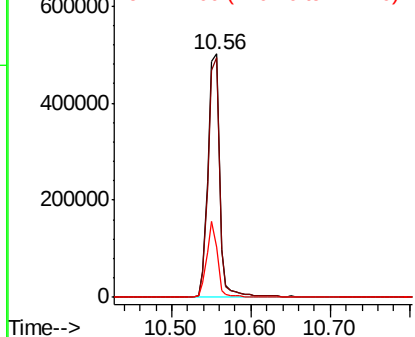
#42
 2,4,6-Tribromophenol
 Concen: 129.042 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF119221.D
 Acq: 5 Mar 2020 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 525549
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.0 114.0
 141 28.9 22.9 34.3

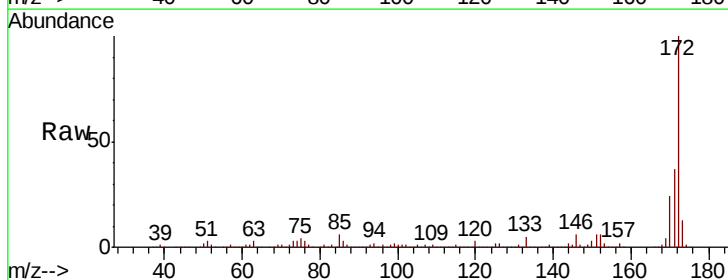


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

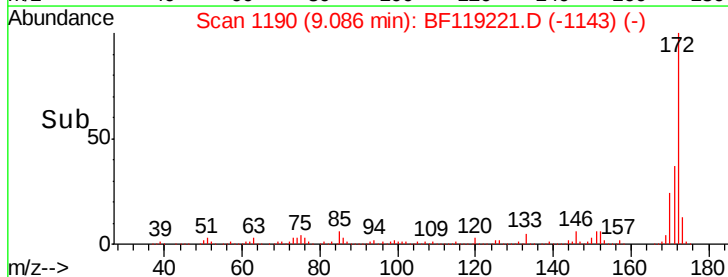
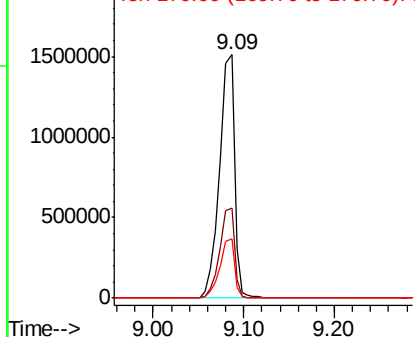


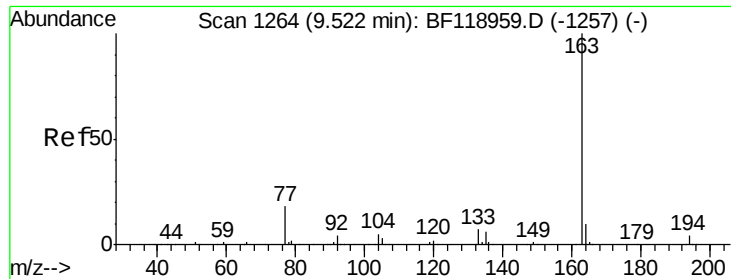
#45
 2-Fluorobiphenyl
 Concen: 81.666 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF119221.D
 Acq: 5 Mar 2020 19:34

Tgt Ion:172 Resp: 1725877
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.6 45.8
 170 24.3 20.2 30.2



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: 2.664 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.24 min

Lab File: BF119221.D

Acq: 5 Mar 2020 19:34

Instrument :

BNA_F

ClientSampleId :

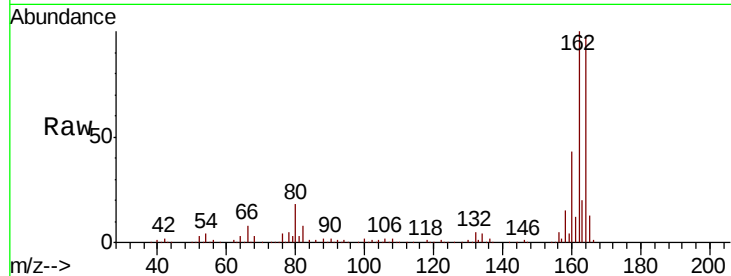
Tot Ion:163 Resp: 63425

Ion Ratio Lower Upper

163 100

194 0.0 3.5 5.3#

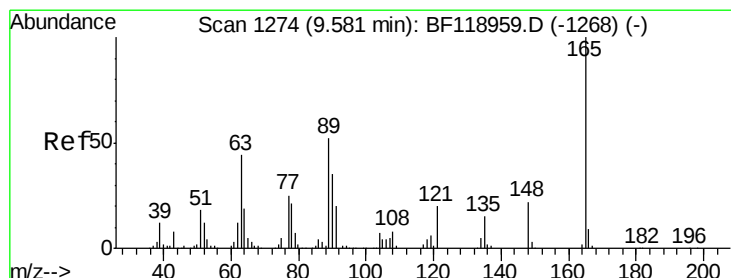
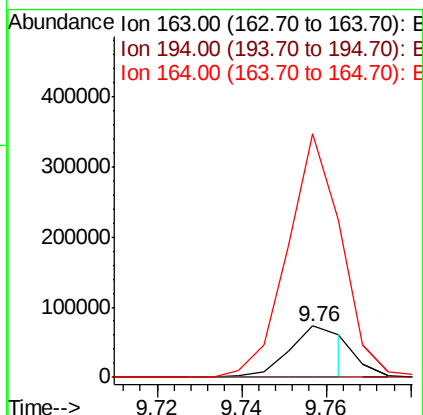
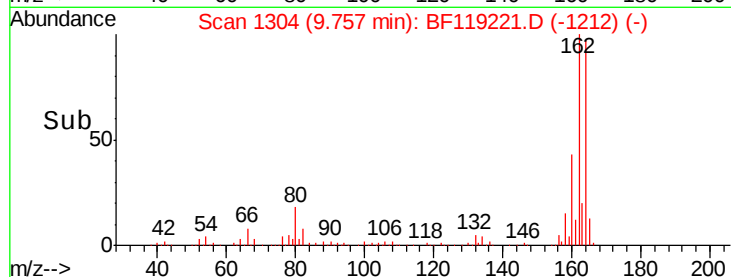
164 476.1 8.4 12.6#



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: 7.560 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.18 min

Lab File: BF119221.D

Acq: 5 Mar 2020 19:34

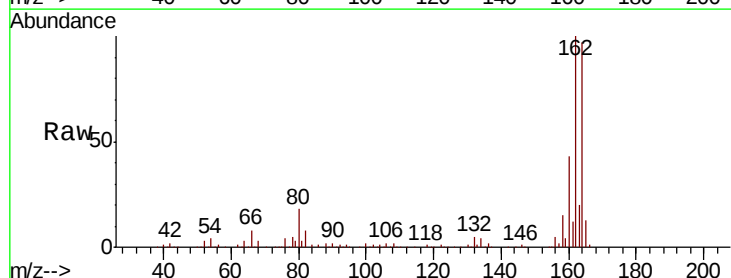
Tgt Ion:165 Resp: 39986

Ion Ratio Lower Upper

165 100

63 1.1 34.3 51.5#

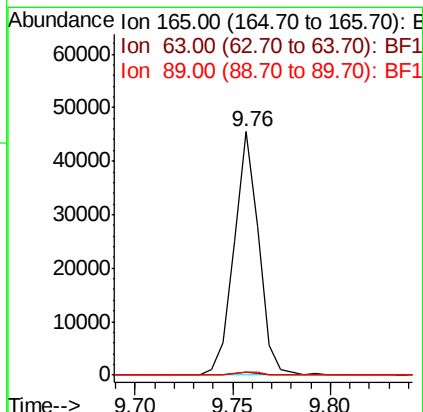
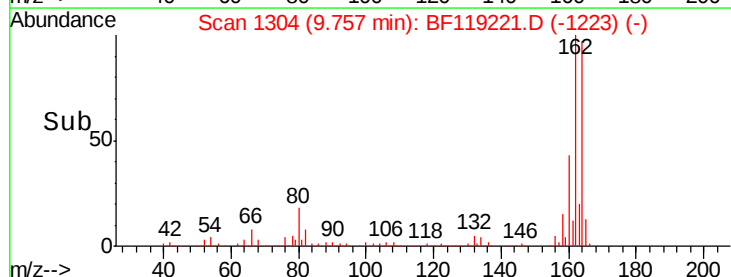
89 1.3 38.3 57.5#



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

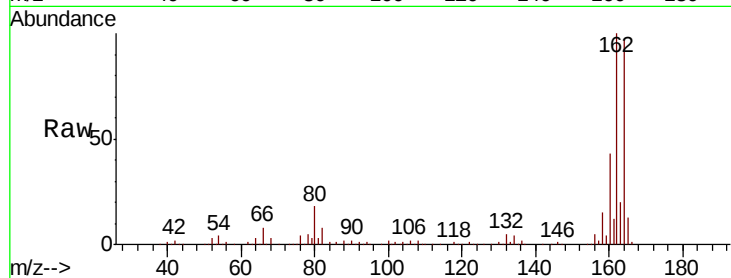




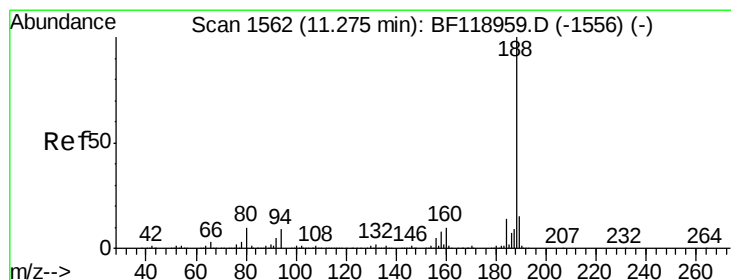
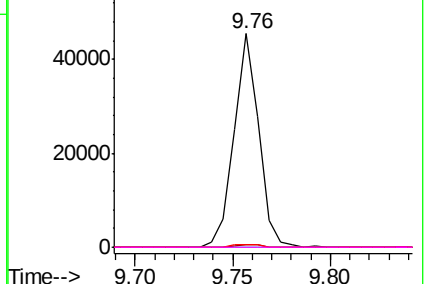
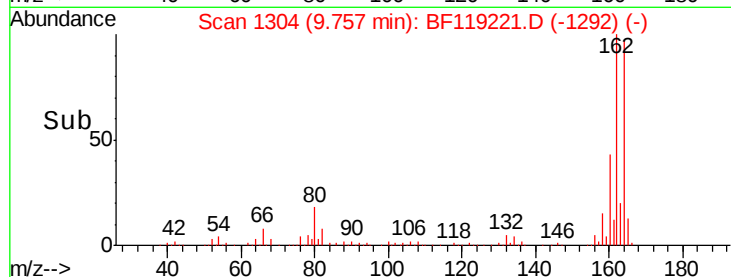
#57
 2,4-Dinitrotoluene
 Concen: 5.832 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.23 min
 Lab File: BF119221.D
 Acq: 5 Mar 2020 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.3	63.5#
89	1.3	60.2	90.4#
182	0.0	2.3	3.5#

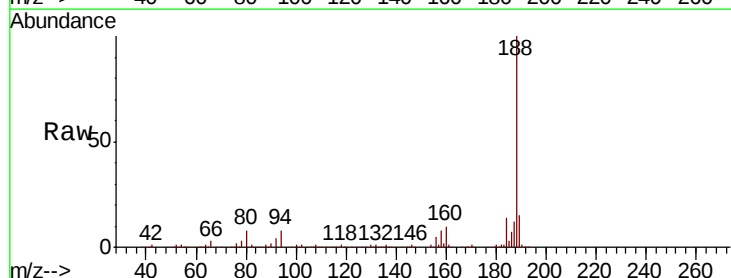


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

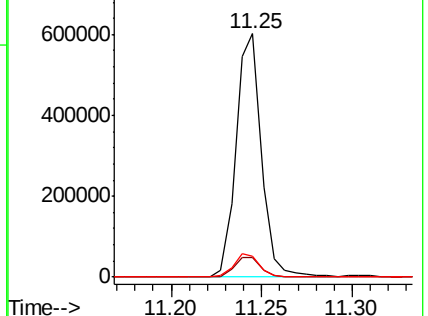
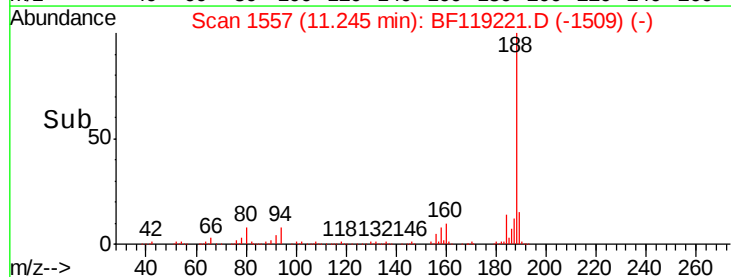


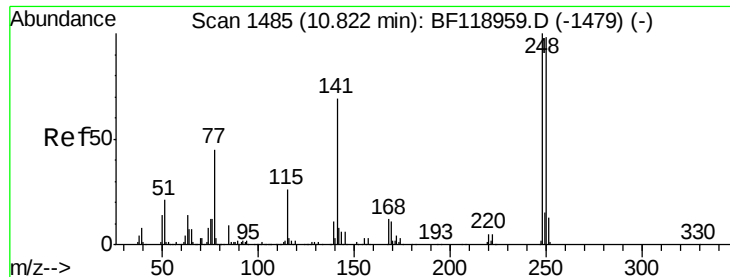
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF119221.D
 Acq: 5 Mar 2020 19:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.1	10.7
80	8.4	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

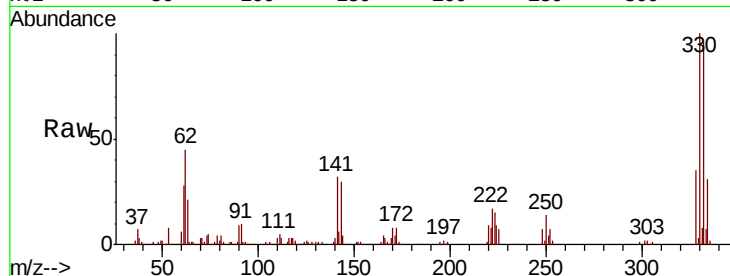




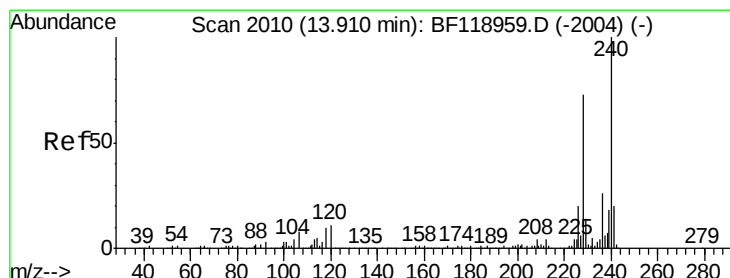
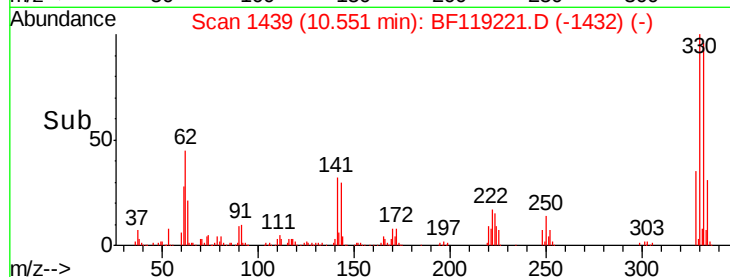
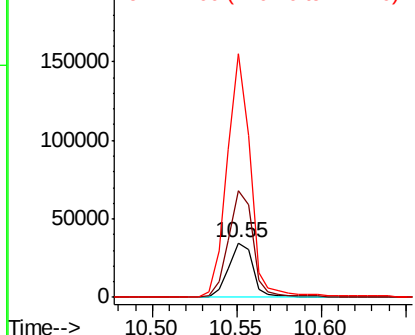
#67
 4-Bromophenyl-phenylether
 Concen: 4.564 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.26 min
 Lab File: BF119221.D
 Acq: 5 Mar 2020 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 34876
 Ion Ratio Lower Upper
 248 100
 250 194.5 76.7 115.1#
 141 444.4 60.7 91.1#

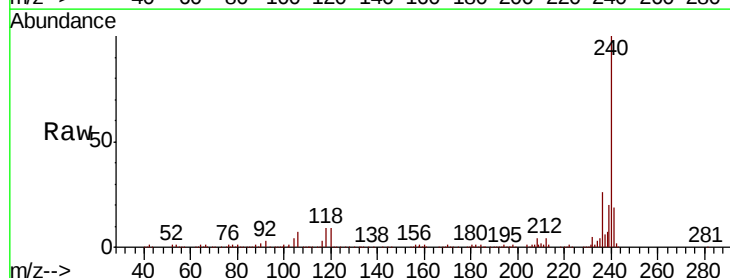


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

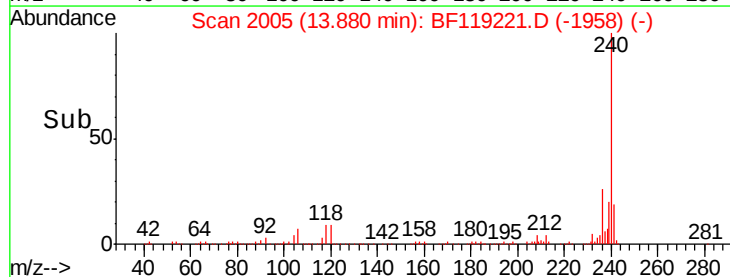
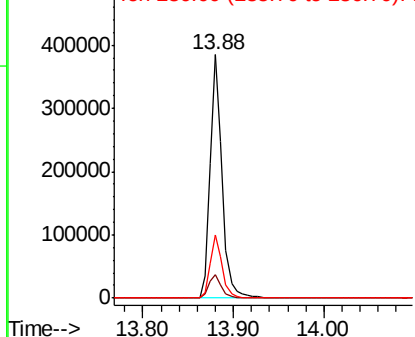


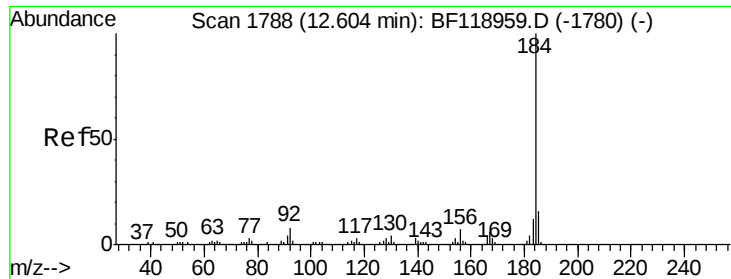
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF119221.D
 Acq: 5 Mar 2020 19:34

Tgt Ion:240 Resp: 358507
 Ion Ratio Lower Upper
 240 100
 120 9.5 8.4 12.6
 236 25.8 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: 2.032 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.23 min

Lab File: BF119221.D

Acq: 5 Mar 2020 19:34

Instrument :

BNA_F

ClientSampleId :

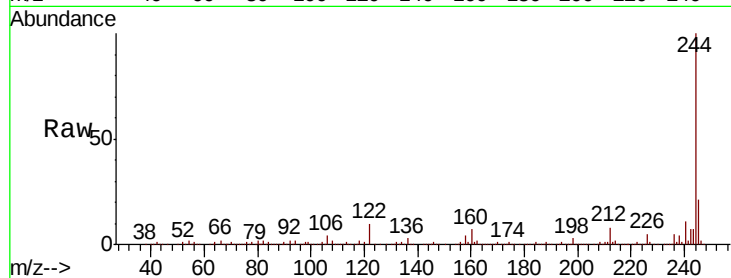
Tot Ion:184 Resp: 29621

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.4

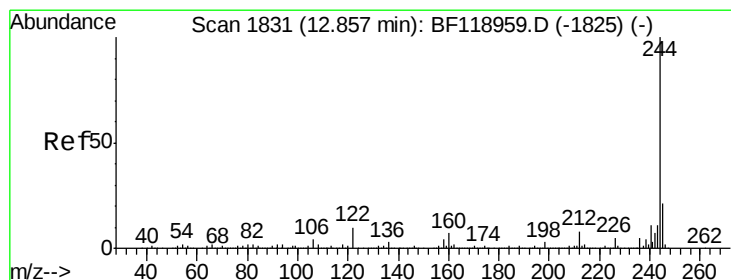
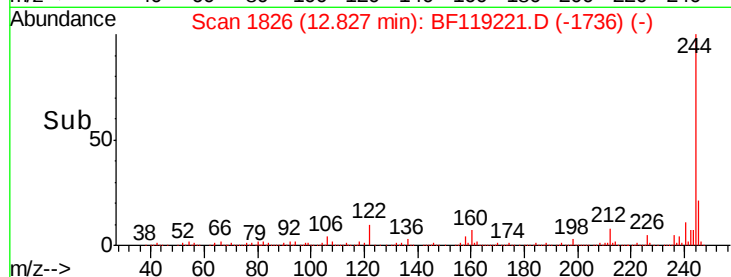
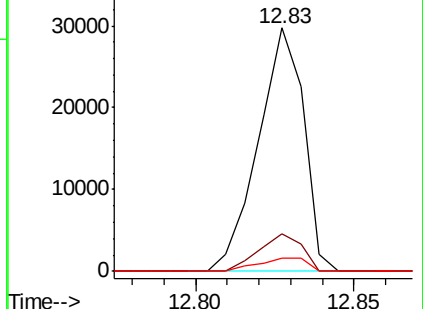
183 5.7 9.9 14.9#



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: 104.818 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF119221.D

Acq: 5 Mar 2020 19:34

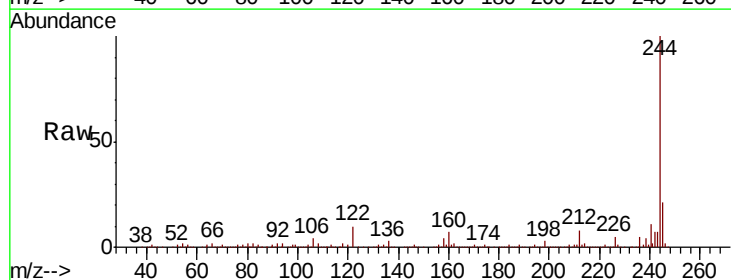
Tgt Ion:244 Resp: 2182635

Ion Ratio Lower Upper

244 100

212 7.7 6.6 10.0

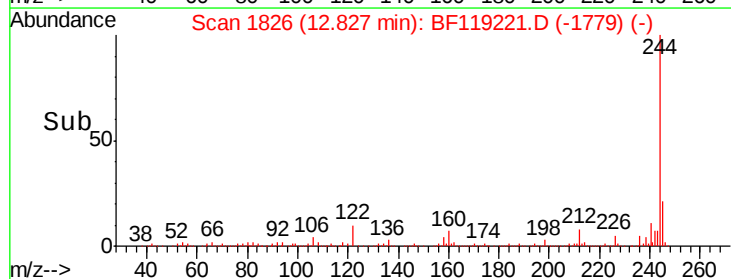
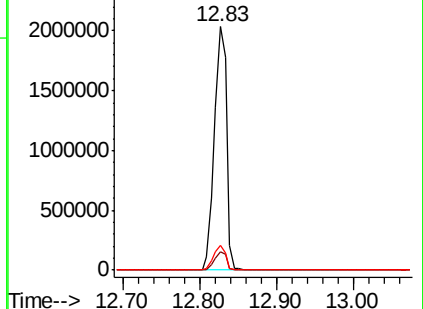
122 10.4 8.2 12.2

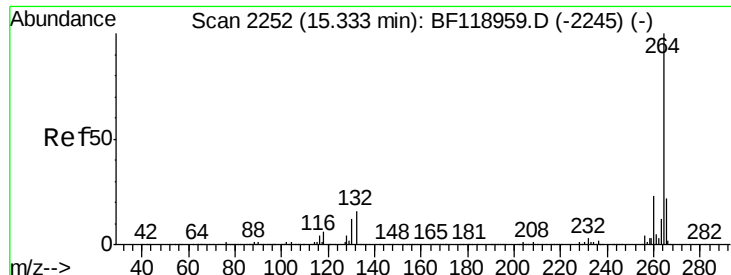


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.30 min Scan# 2247
 Delta R.T. -0.02 min
 Lab File: BF119221.D
 Acq: 5 Mar 2020 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	20.7	17.7	26.5

