

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118421.D
 Acq On : 31 Dec 2019 22:40
 Operator : JU
 Sample : K6455-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 01 00:38:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	61567	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	238888	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	119263	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	256927	20.00	ng	0.00
76) Chrysene-d12	14.06	240	181362	20.00	ng	0.00
87) Perylene-d12	15.56	264	159783	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	447126	123.97	ng	0.02
7) Phenol-d6	6.50	99	492918	110.17	ng	0.01
23) Nitrobenzene-d5	7.42	82	401364	96.10	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	199016	135.13	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	781988	100.09	ng	0.00
79) Terphenyl-d14	12.99	244	974323	89.13	ng	0.00

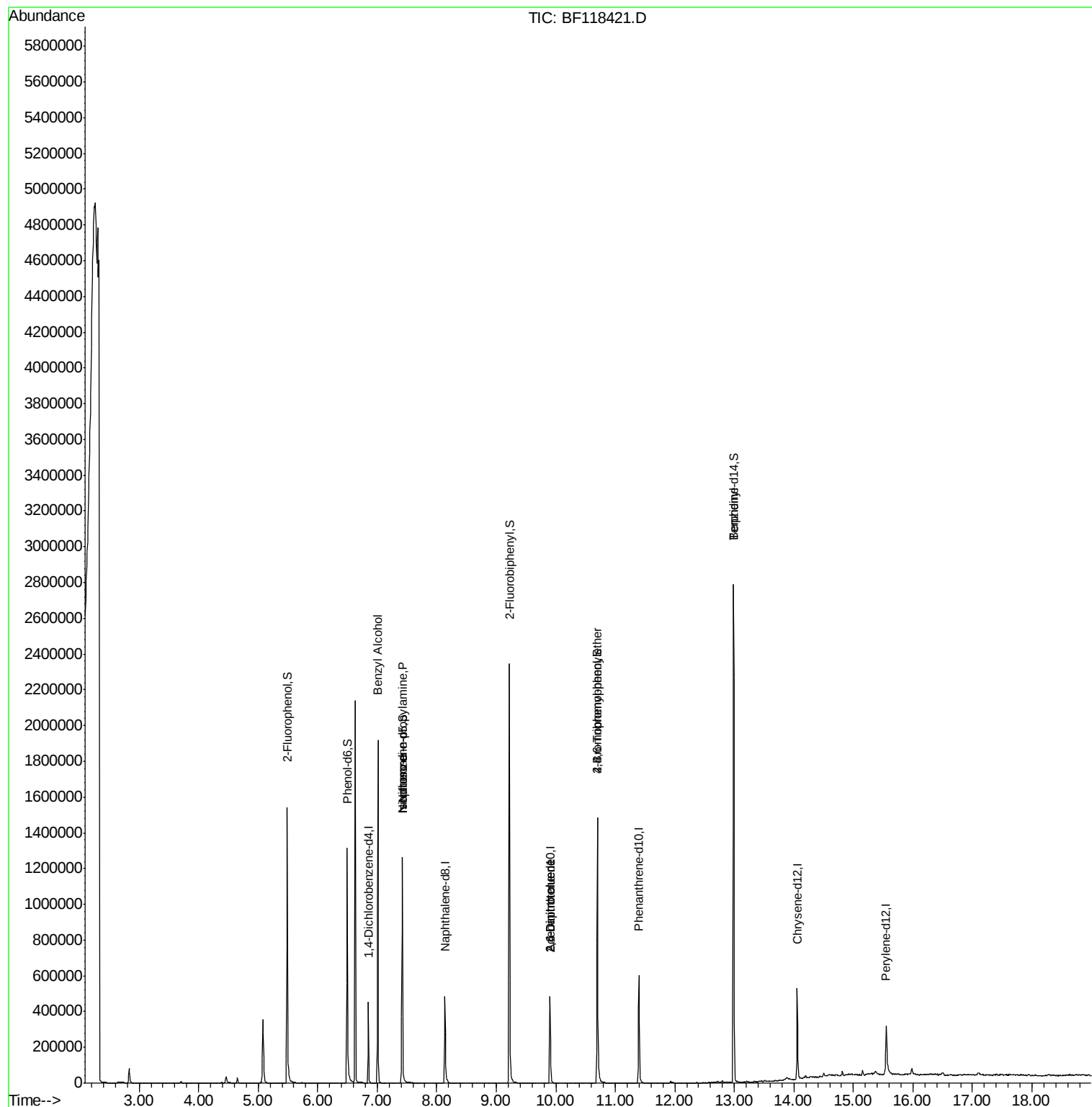
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.01	79	7666	2.250	ng	# 45
19) n-Nitroso-di-n-propylamine	7.42	70	57599	20.897	ng	# 81
25) Isophorone	7.42	82	401358	55.138	ng	# 62
51) 2,6-Dinitrotoluene	9.90	165	15243	7.898	ng	# 24
57) 2,4-Dinitrotoluene	9.90	165	15243	5.911	ng	# 28
67) 4-Bromophenyl-phenylether	10.70	248	12471	4.148	ng	# 1
77) Benizidine	12.99	184	13891	2.795	ng	97

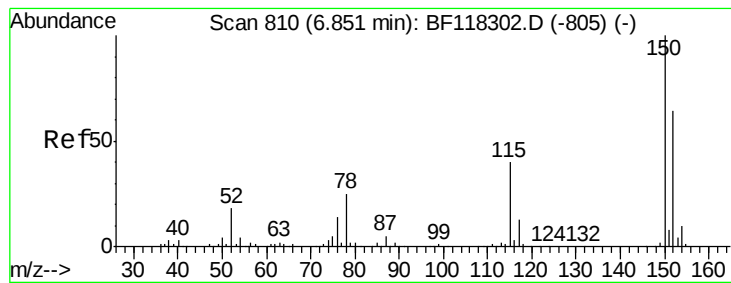
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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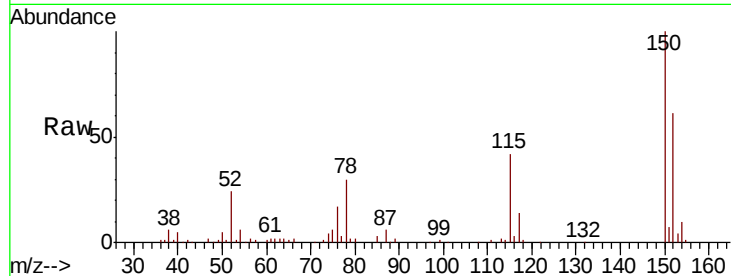


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118421.D
Acq: 31 Dec 2019 22:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.1	125.4	188.2
115	68.7	50.2	75.4

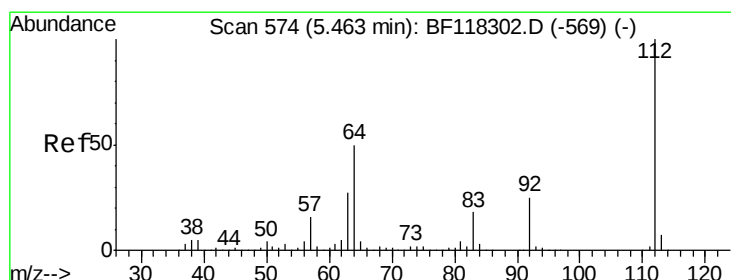
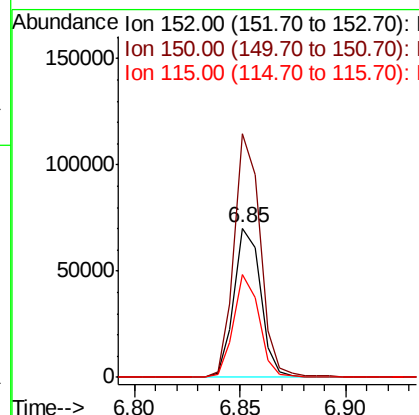
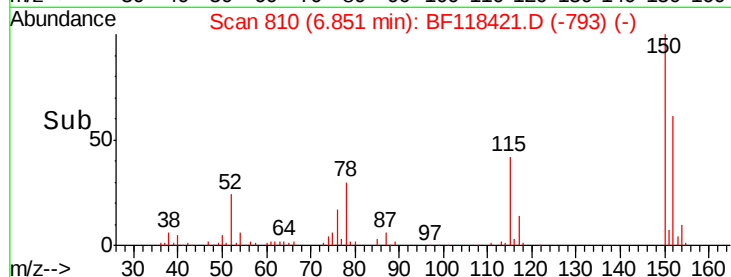


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

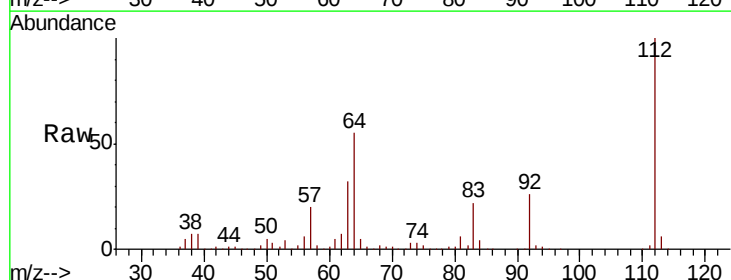
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.969 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.02 min
Lab File: BF118421.D
Acq: 31 Dec 2019 22:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	39.7	59.5
63	32.4	21.7	32.5

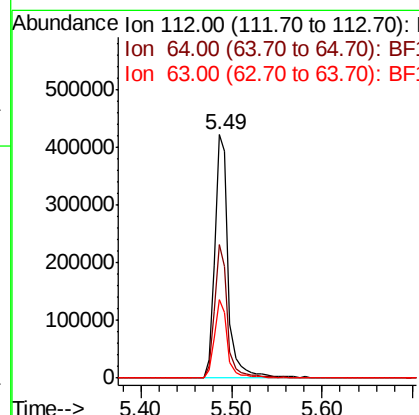
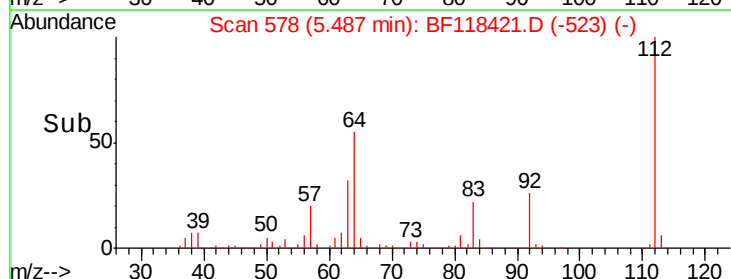


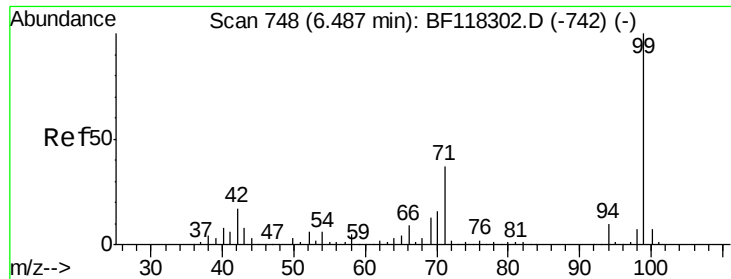
Abundance

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: 110.167 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF118421.D

Acq: 31 Dec 2019 22:40

Instrument :

BNA_F

ClientSampled :

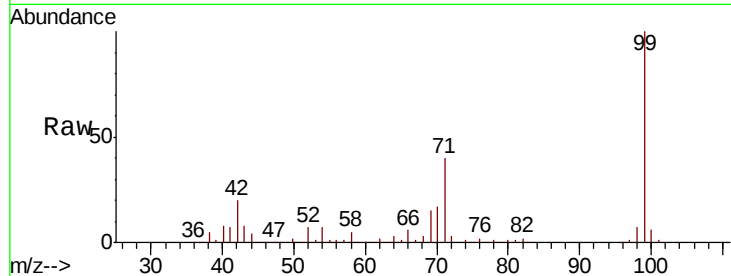
Tot Ion: 99 Resp: 492918

Ion Ratio Lower Upper

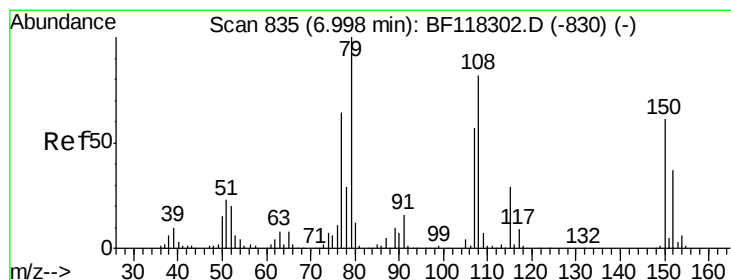
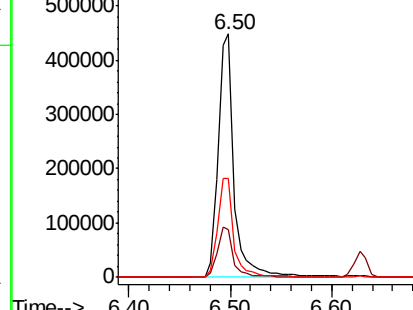
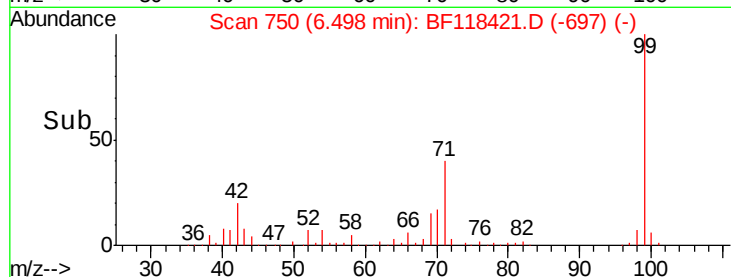
99 100

42 19.8 13.5 20.3

71 40.5 29.4 44.2



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: 2.250 ng

RT: 7.01 min Scan# 837

Delta R.T. 0.01 min

Lab File: BF118421.D

Acq: 31 Dec 2019 22:40

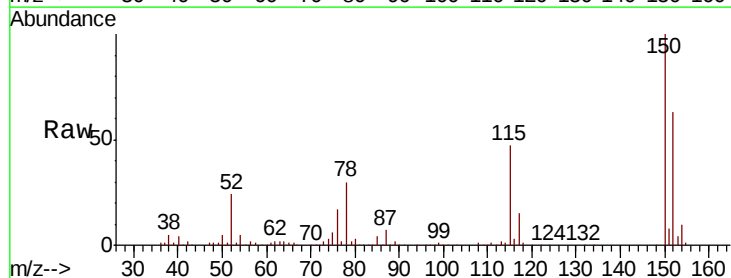
Tgt Ion: 79 Resp: 7666

Ion Ratio Lower Upper

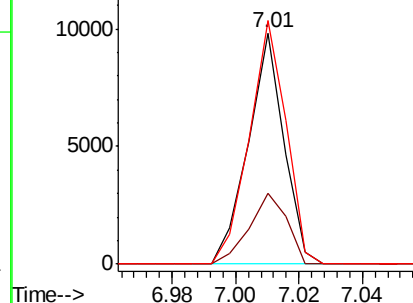
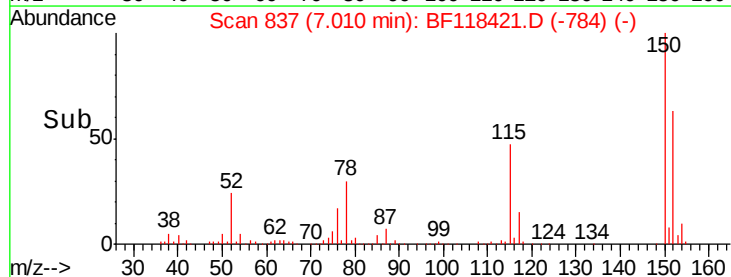
79 100

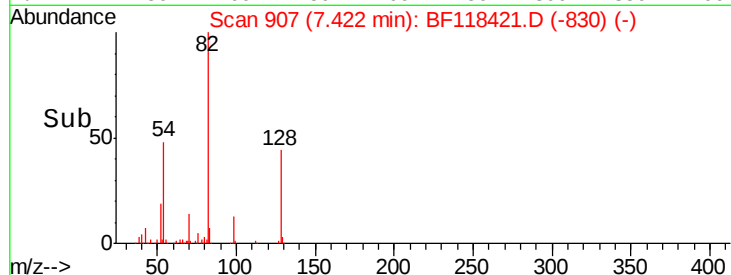
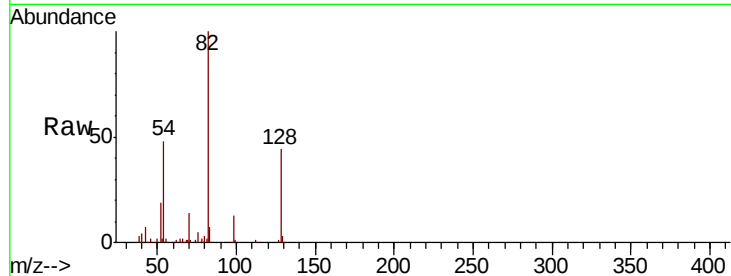
108 30.8 65.4 98.0#

77 105.2 51.4 77.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1

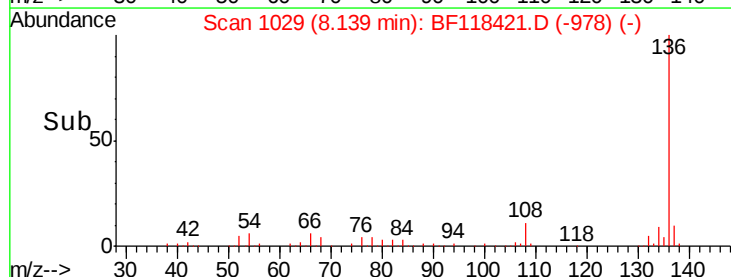
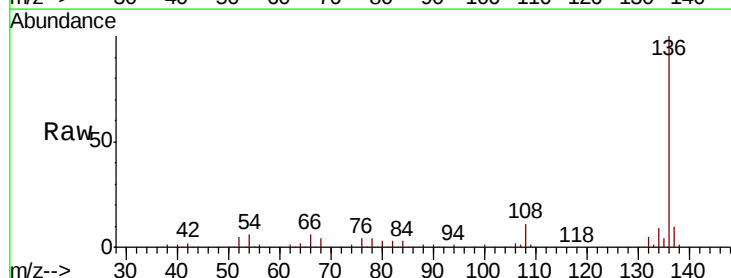
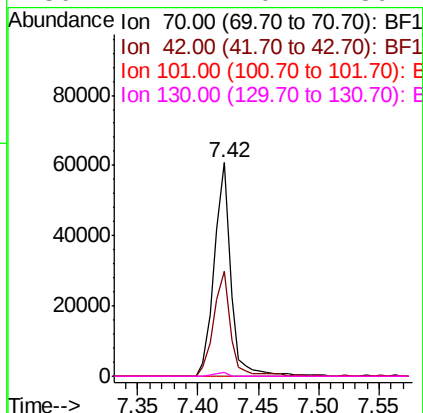




#19
n-Nitroso-di-n-propylamine
Concen: 20.897 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF118421.D
Acq: 31 Dec 2019 22:40

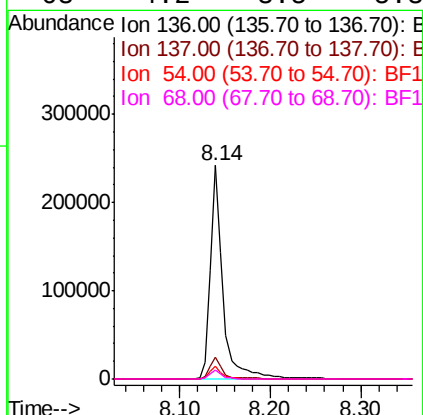
Instrument :
BNA_F
ClientSampleId :

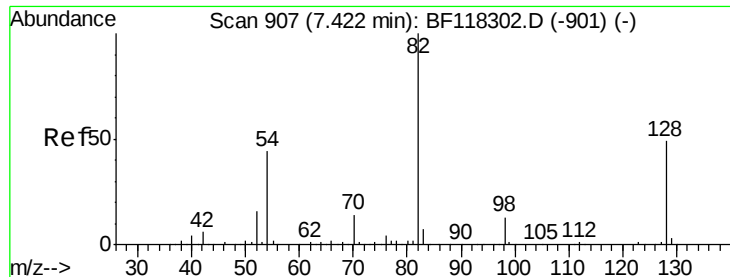
Tot Ion: 70 Resp: 57599
Ion Ratio Lower Upper
70 100
42 49.1 41.1 61.7
101 0.0 8.3 12.5#
130 1.7 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118421.D
Acq: 31 Dec 2019 22:40

Tgt Ion: 136 Resp: 238888
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 6.0 4.2 6.4
68 4.2 3.5 5.3

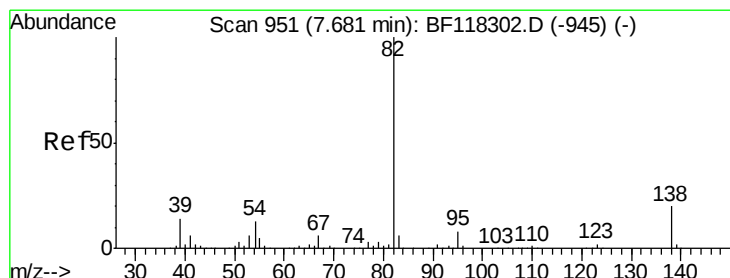
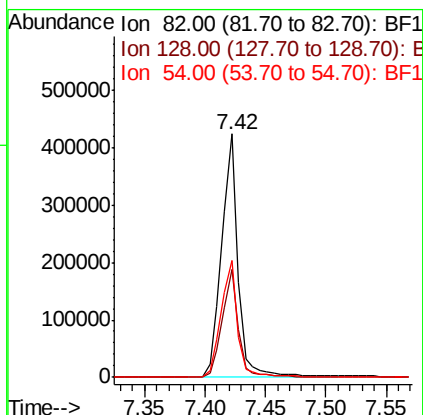
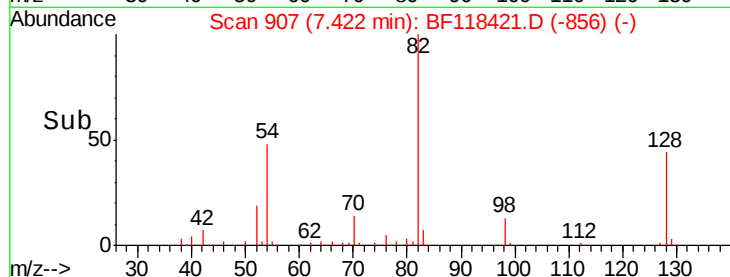
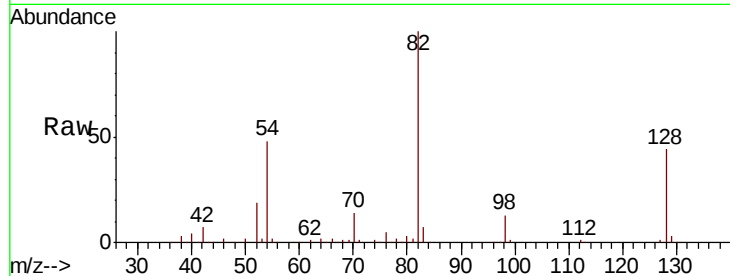




#23
Nitrobenzene-d5
Concen: 96.095 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF118421.D
Acq: 31 Dec 2019 22:40

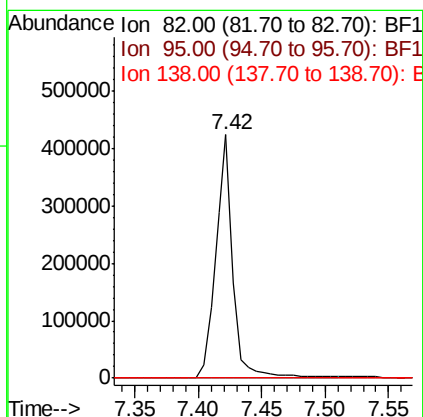
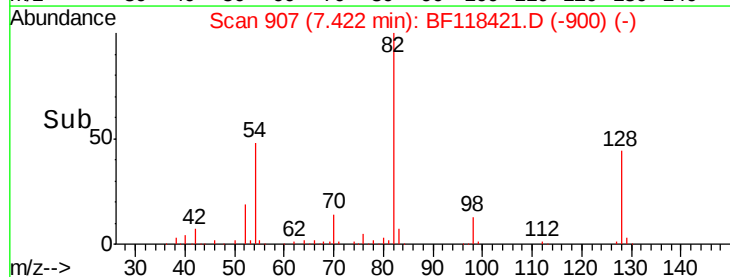
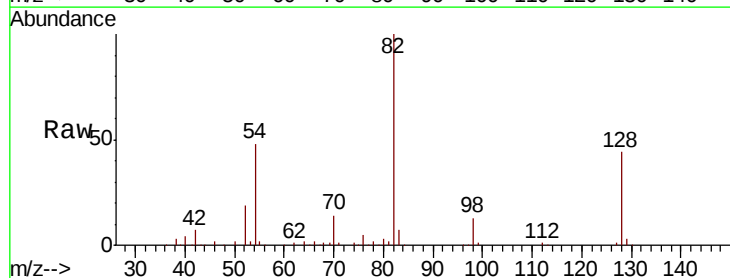
Instrument :
BNA_F
ClientSampleId :

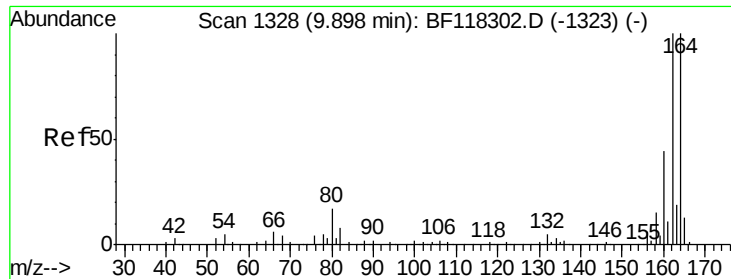
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	39.6	59.4
54	48.3	34.9	52.3



#25
Isophorone
Concen: 55.138 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF118421.D
Acq: 31 Dec 2019 22:40

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.3	9.5#
138	0.0	16.2	24.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF118421.D

Acq: 31 Dec 2019 22:40

Instrument :

BNA_F

ClientSampleId :

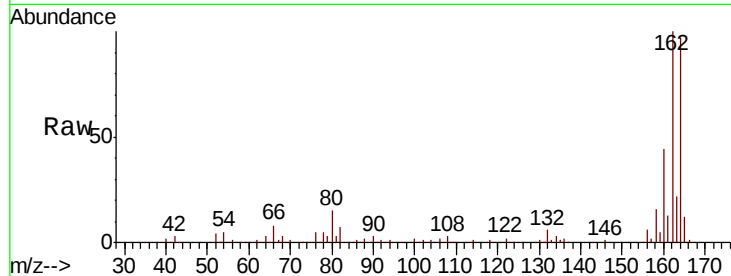
Tot Ion:164 Resp: 119263

Ion Ratio Lower Upper

164 100

162 102.6 80.0 120.0

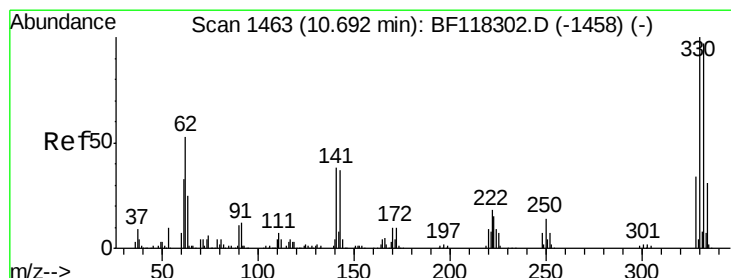
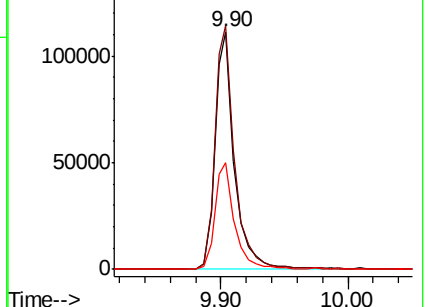
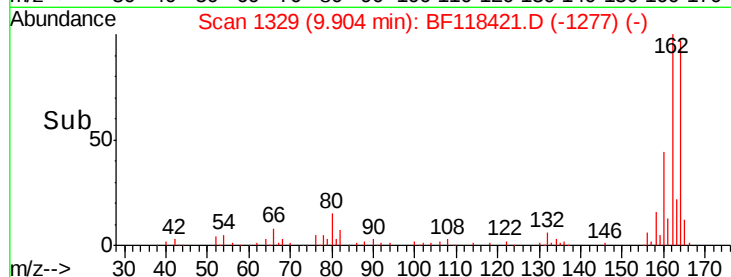
160 44.7 34.8 52.2



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: 135.127 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.01 min

Lab File: BF118421.D

Acq: 31 Dec 2019 22:40

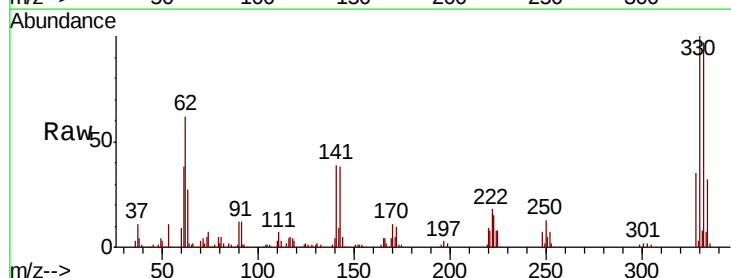
Tgt Ion:330 Resp: 199016

Ion Ratio Lower Upper

330 100

332 98.5 76.6 114.8

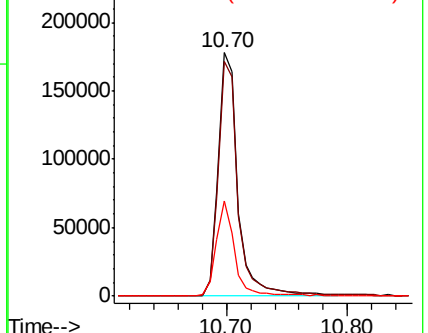
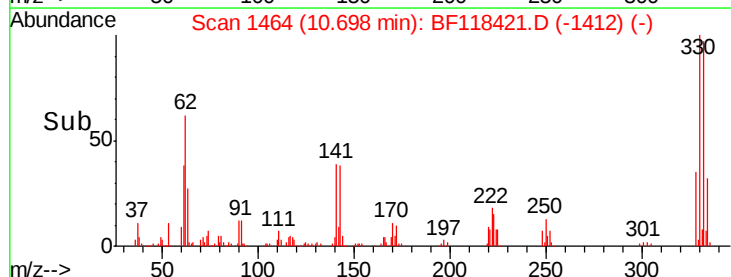
141 36.6 26.0 39.0

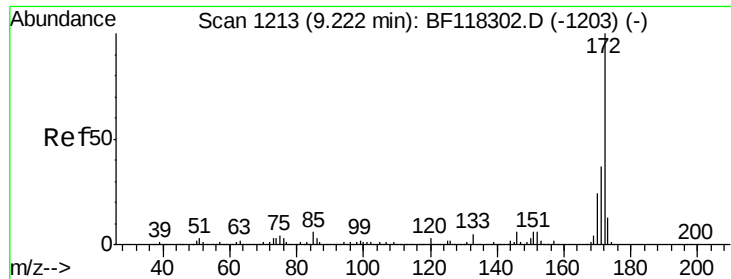


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

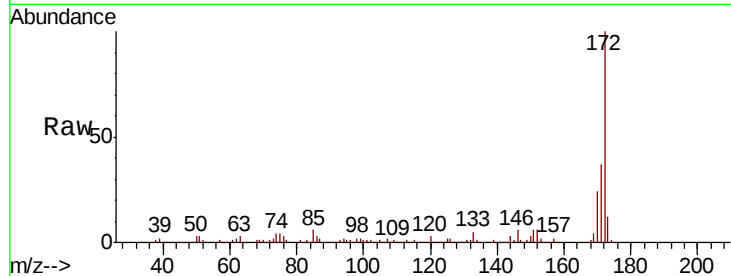




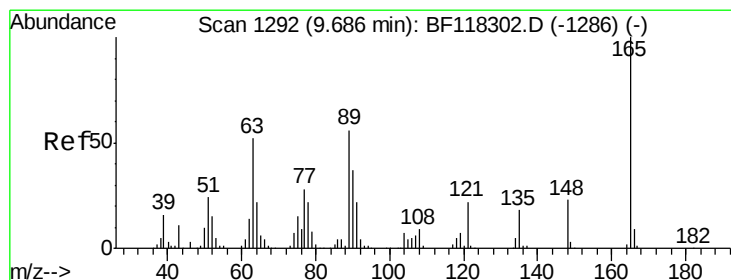
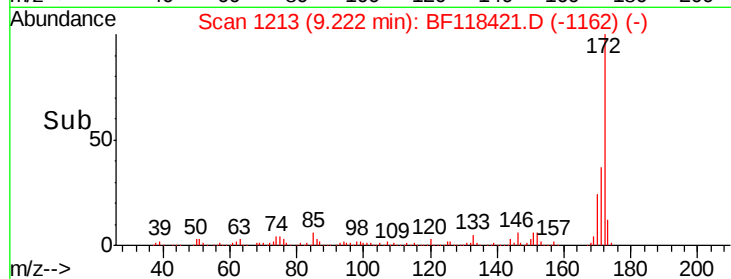
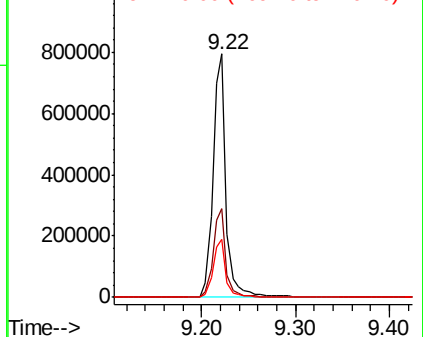
#45
 2-Fluorobiphenyl
 Concen: 100.088 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF118421.D
 Acq: 31 Dec 2019 22:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	23.7	19.2	28.8

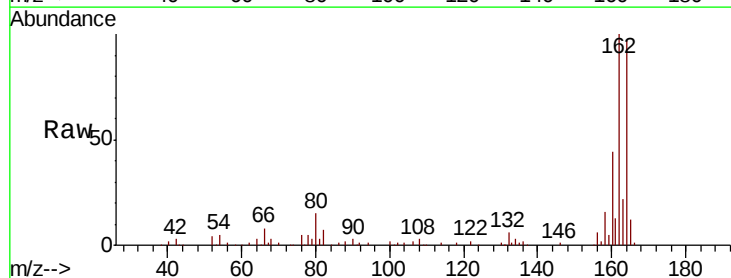


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

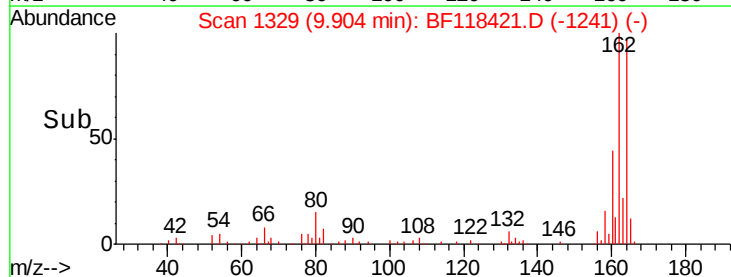
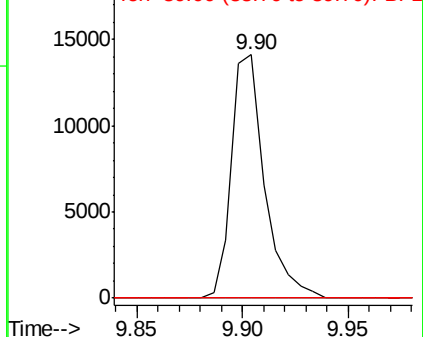


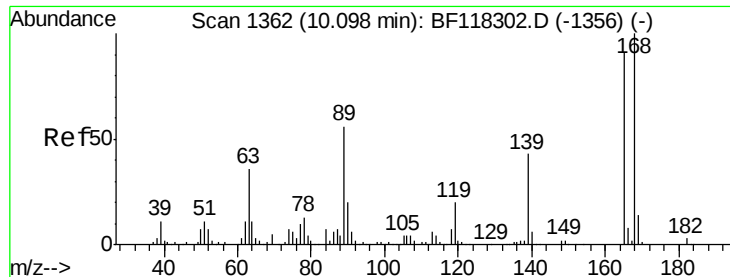
#51
 2,6-Dinitrotoluene
 Concen: 7.898 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.22 min
 Lab File: BF118421.D
 Acq: 31 Dec 2019 22:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.2	63.4#
89	0.0	44.4	66.6#



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

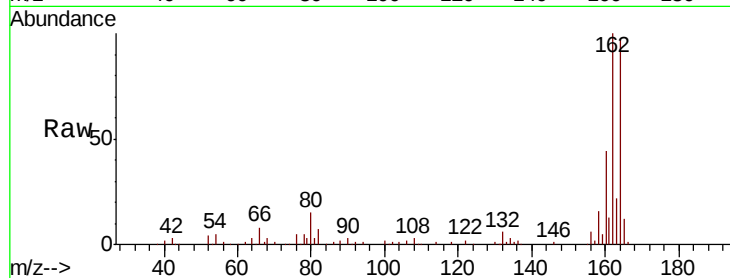




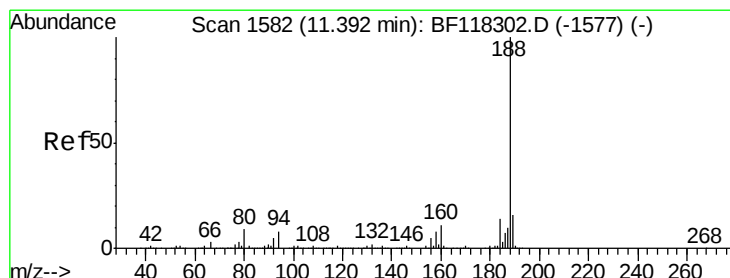
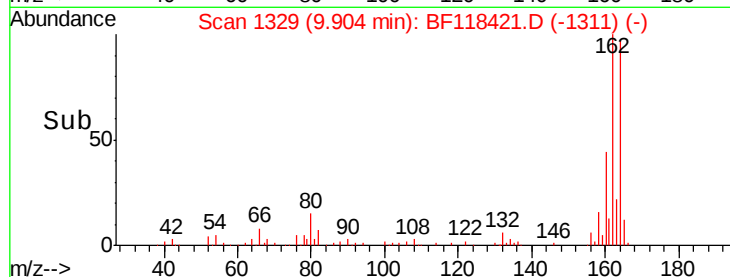
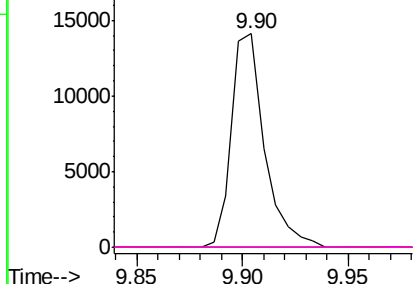
#57
 2,4-Dinitrotoluene
 Concen: 5.911 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.19 min
 Lab File: BF118421.D
 Acq: 31 Dec 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	15243
Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.0	48.0#
89	0.0	49.3	73.9#
182	0.0	2.4	3.6#

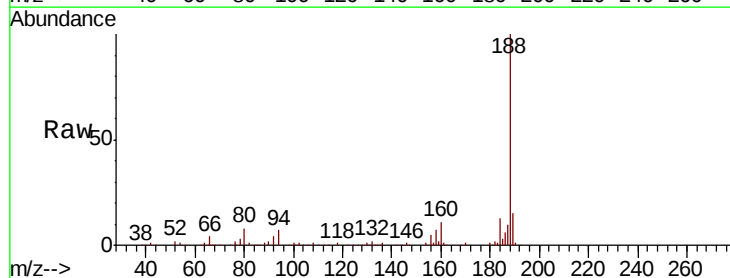


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

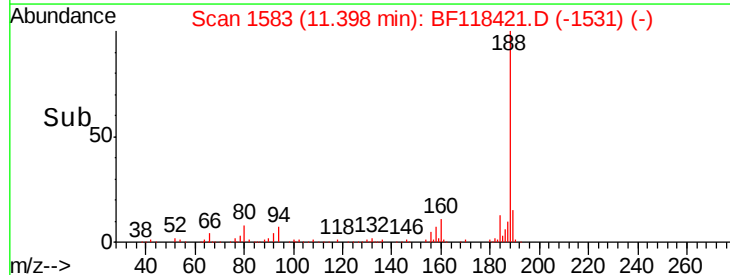
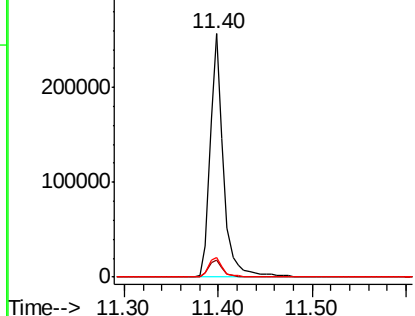


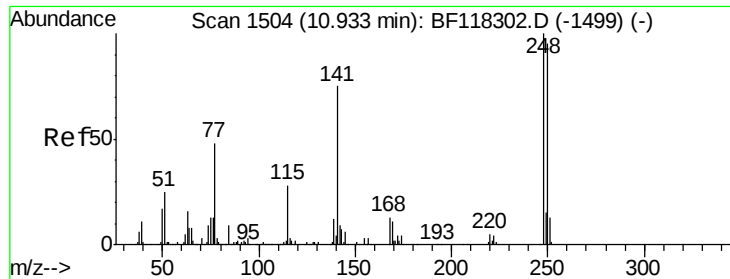
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF118421.D
 Acq: 31 Dec 2019 22:40

Tgt Ion:	188	Resp:	256927
Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.7	10.1
80	7.9	7.2	10.8



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

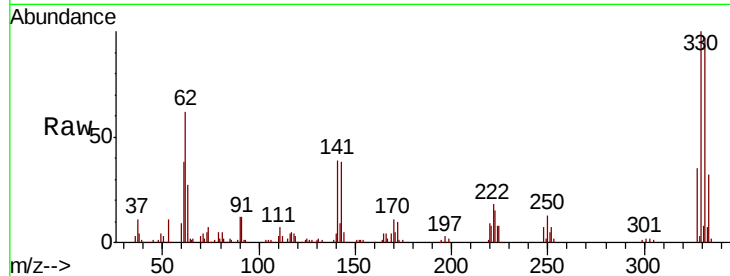




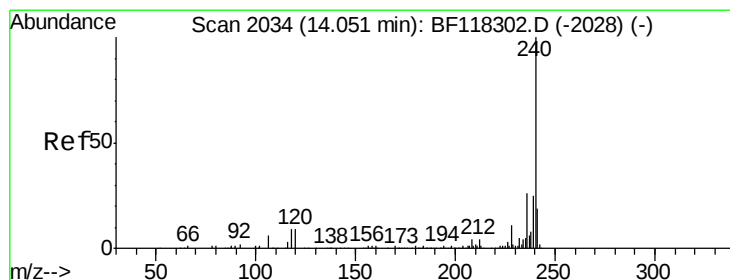
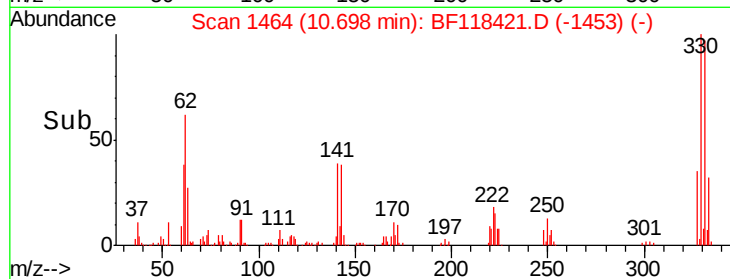
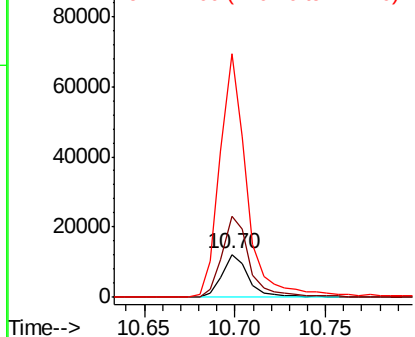
#67
4-Bromophenyl-phenylether
Concen: 4.148 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF118421.D
Acq: 31 Dec 2019 22:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12471
Ion Ratio Lower Upper
248 100
250 189.3 76.4 114.6#
141 570.9 60.2 90.2#

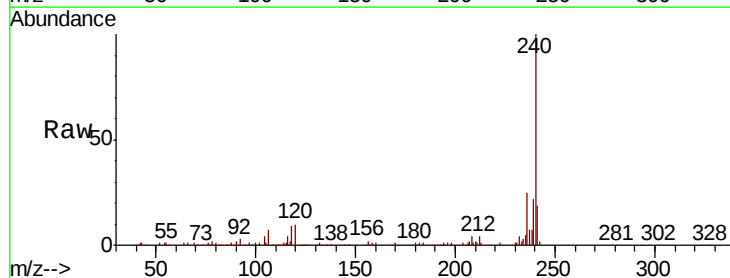


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

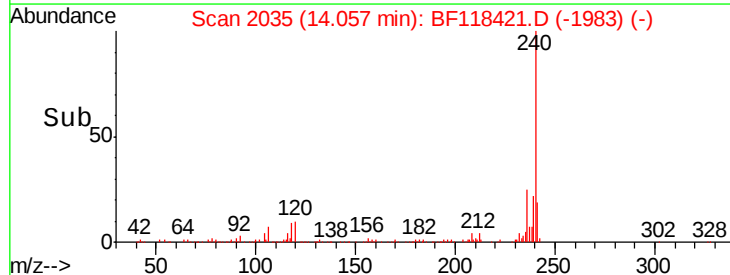
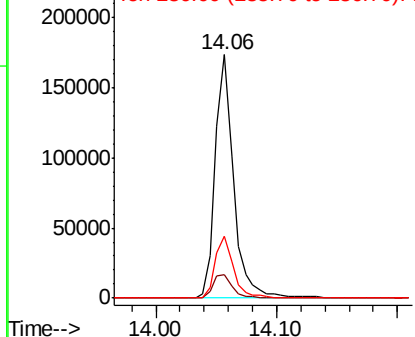


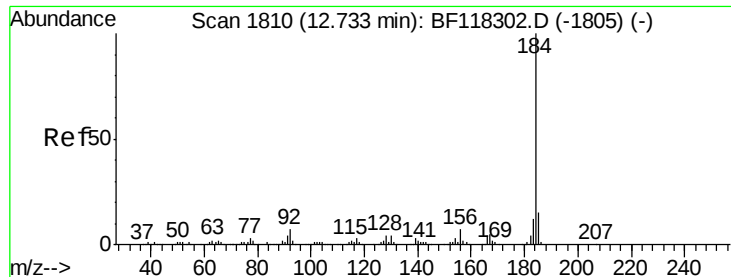
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF118421.D
Acq: 31 Dec 2019 22:40

Tgt Ion:240 Resp: 181362
Ion Ratio Lower Upper
240 100
120 9.8 7.1 10.7
236 25.2 21.0 31.6



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: 2.795 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF118421.D

Acq: 31 Dec 2019 22:40

Instrument :

BNA_F

ClientSampleId :

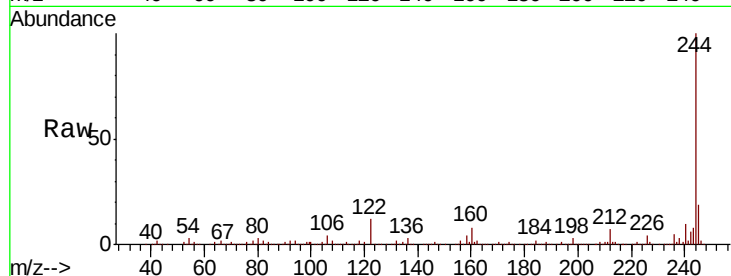
Tot Ion:184 Resp: 13891

Ion Ratio Lower Upper

184 100

185 14.5 12.3 18.5

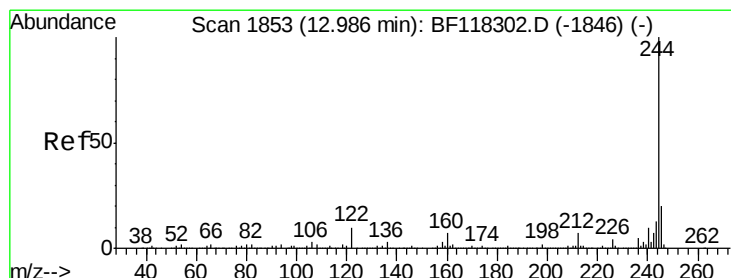
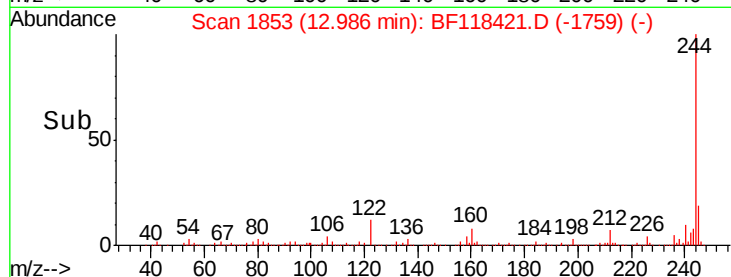
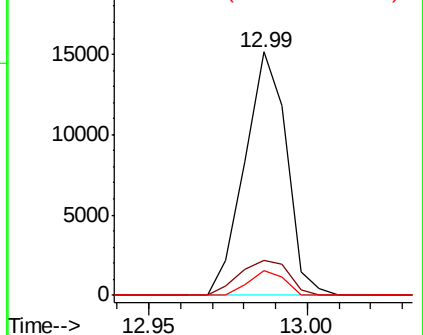
183 10.1 9.4 14.2



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: 89.127 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118421.D

Acq: 31 Dec 2019 22:40

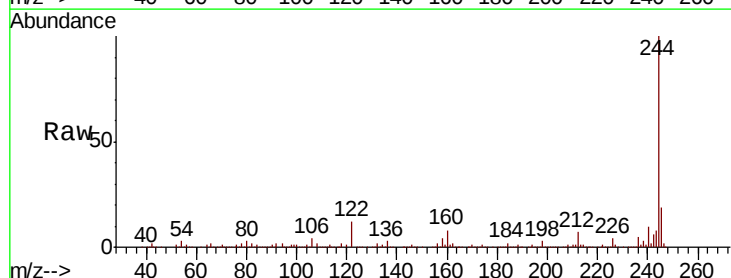
Tgt Ion:244 Resp: 974323

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

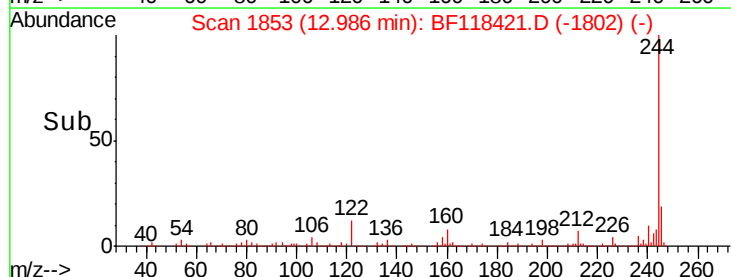
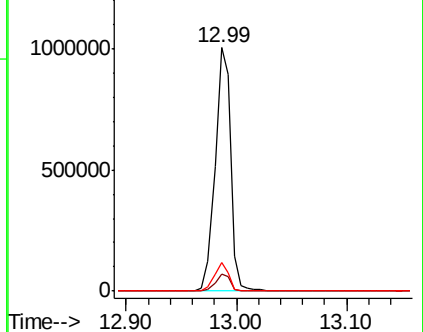
122 11.9 7.8 11.8#

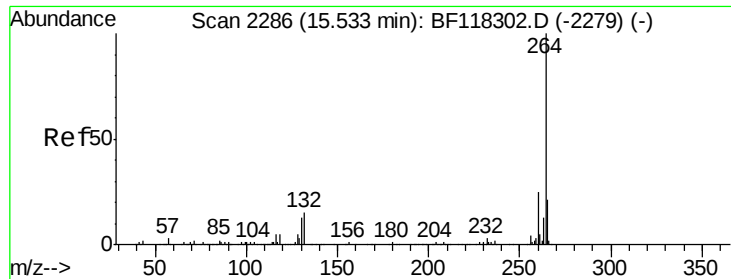


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.56 min Scan# 2290
Delta R.T. 0.02 min
Lab File: BF118421.D
Acq: 31 Dec 2019 22:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.8	29.6
265	21.6	17.0	25.4

