

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118271.D
 Acq On : 18 Dec 2019 20:58
 Operator : JU
 Sample : K6357-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:11:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

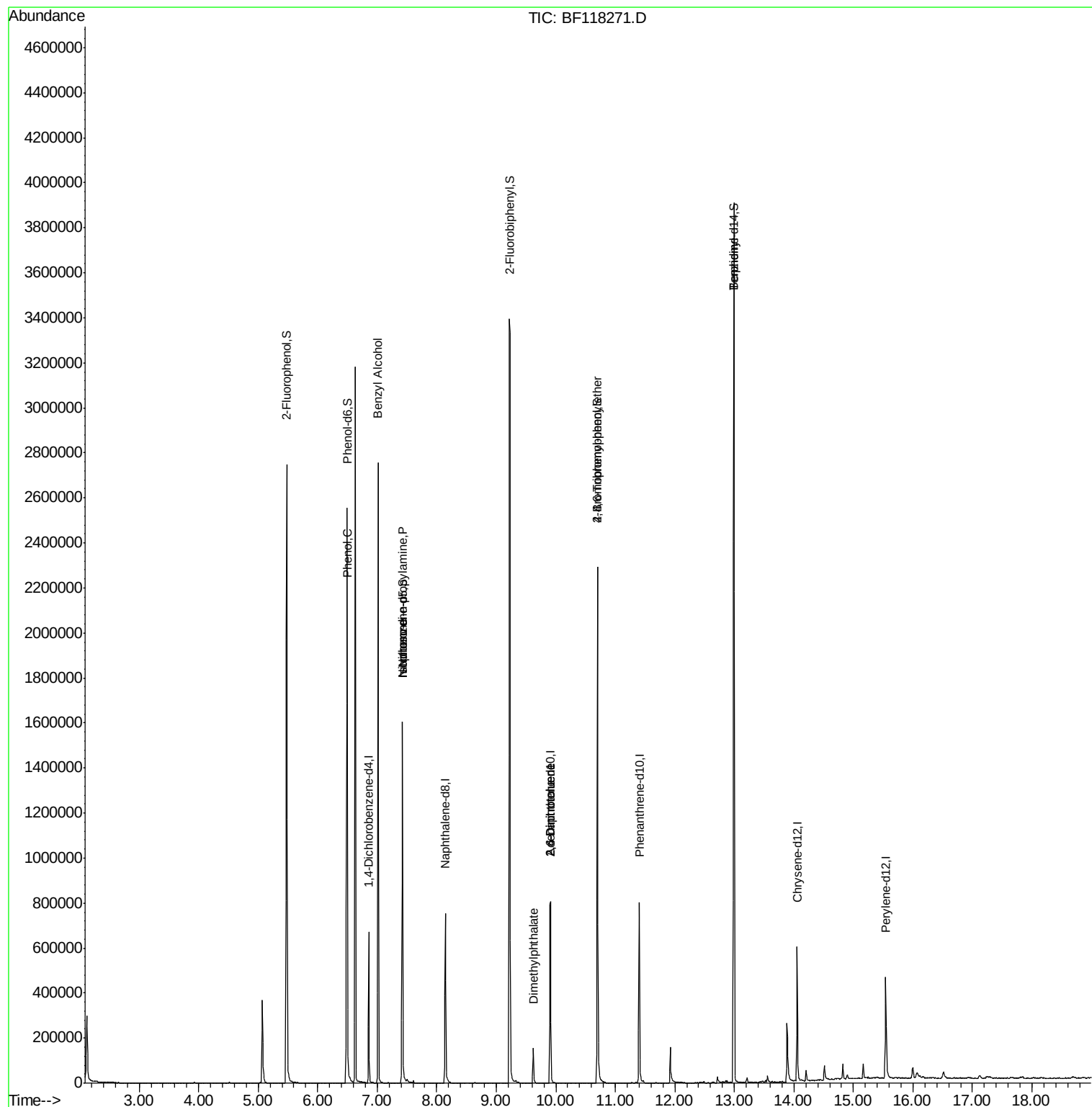
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	94575	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	368836	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	190478	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	362066	20.00	ng	0.00
76) Chrysene-d12	14.06	240	227959	20.00	ng	-0.01
87) Perylene-d12	15.54	264	218291	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	780201	144.49	ng	0.00
7) Phenol-d6	6.49	99	990076	151.59	ng	0.00
23) Nitrobenzene-d5	7.42	82	586918	89.52	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	323140	139.65	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1169487	93.43	ng	-0.01
79) Terphenyl-d14	12.99	244	1296470	97.80	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	1649	Below Cal		Qvalue # 1
10) Phenol	6.50	94	25293	3.396	ng	97
15) Benzyl Alcohol	7.02	79	10310	2.022	ng	# 47
19) n-Nitroso-di-n-propylamine	7.42	70	78952	19.894	ng	# 77
25) Isophorone	7.42	82	586911	52.808	ng	# 62
50) Dimethylphthalate	9.62	163	78033	5.546	ng	99
51) 2,6-Dinitrotoluene	9.90	165	23756	7.765	ng	# 27
57) 2,4-Dinitrotoluene	9.90	165	23756	5.818	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	20720	5.013	ng	# 1
77) Benzidine	12.99	184	17133	2.855	ng	# 94

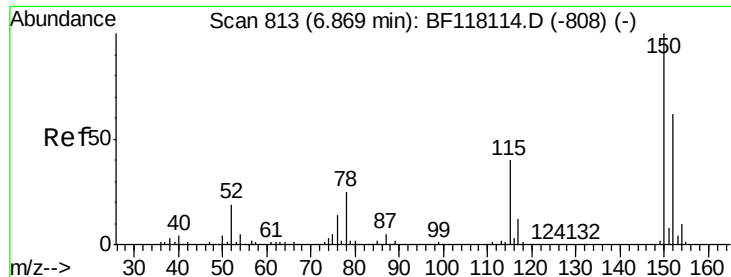
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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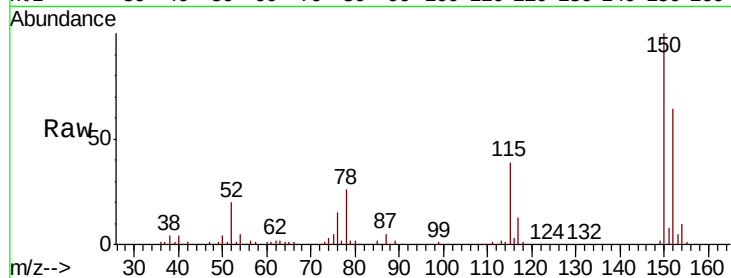


#1

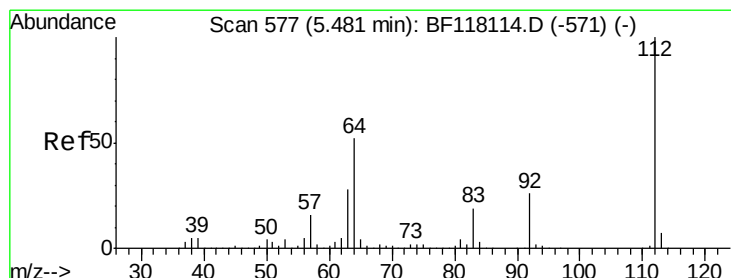
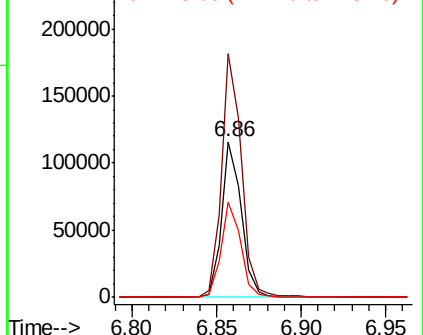
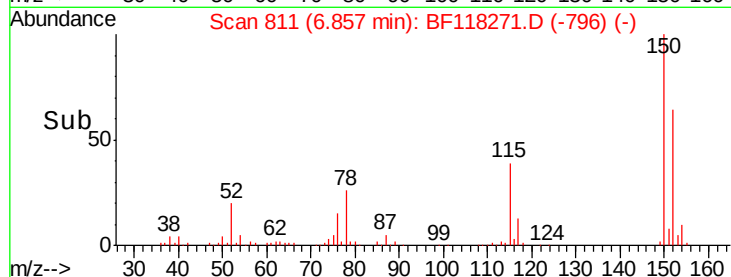
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118271.D
Acq: 18 Dec 2019 20:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 94575
Ion Ratio Lower Upper
152 100
150 156.8 128.3 192.5
115 61.1 51.1 76.7



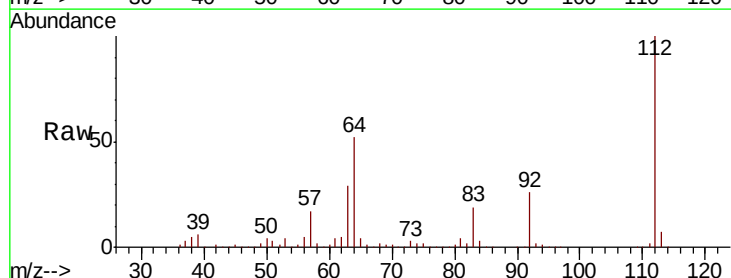
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



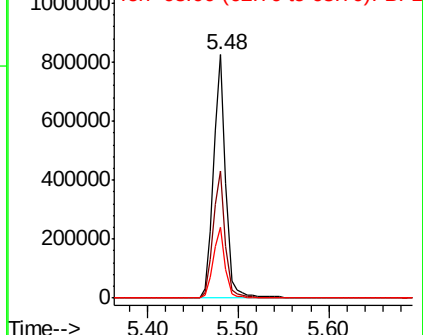
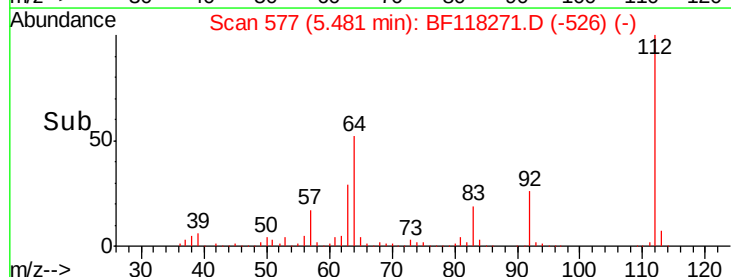
#5

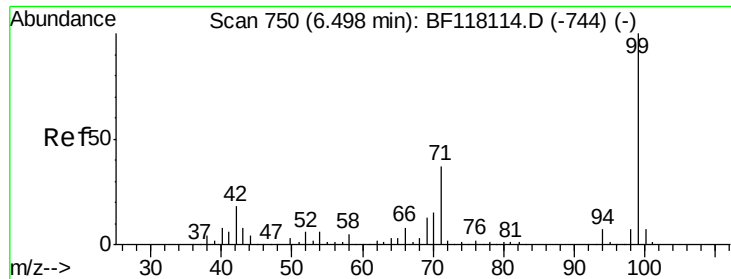
2-Fluorophenol
Concen: 144.488 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118271.D
Acq: 18 Dec 2019 20:58

Tgt Ion:112 Resp: 780201
Ion Ratio Lower Upper
112 100
64 52.3 41.3 61.9
63 29.0 22.4 33.6



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: 151.592 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118271.D

Acq: 18 Dec 2019 20:58

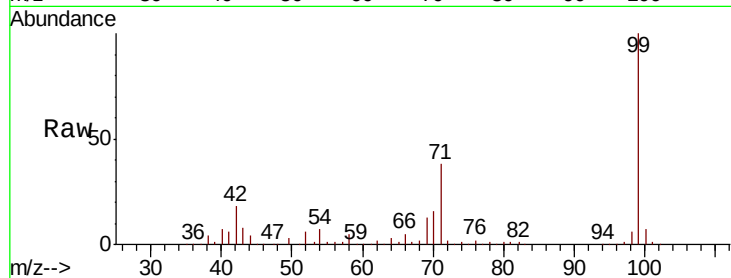
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 990076

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.1	21.1
71	37.6	29.7	44.5

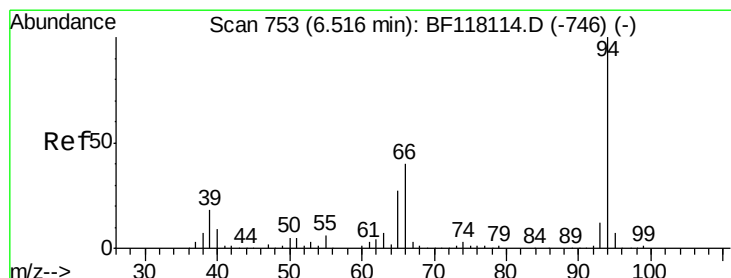
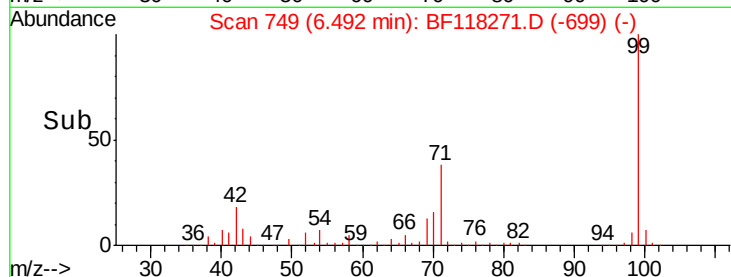
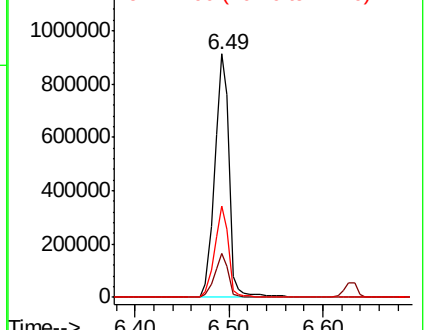


Abundance

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



#10

Phenol

Concen: 3.396 ng

RT: 6.50 min Scan# 751

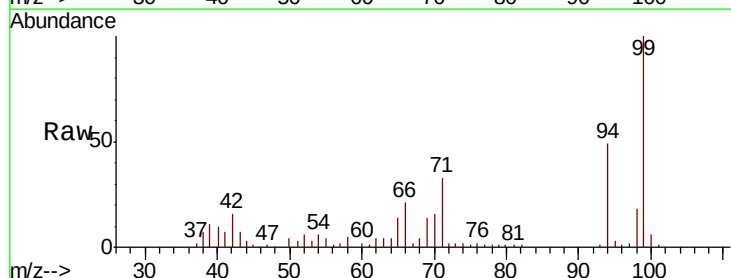
Delta R.T. -0.01 min

Lab File: BF118271.D

Acq: 18 Dec 2019 20:58

Tgt Ion: 94 Resp: 25293

Ion	Ratio	Lower	Upper
94	100		
65	28.6	7.3	47.3
66	42.7	20.2	60.2

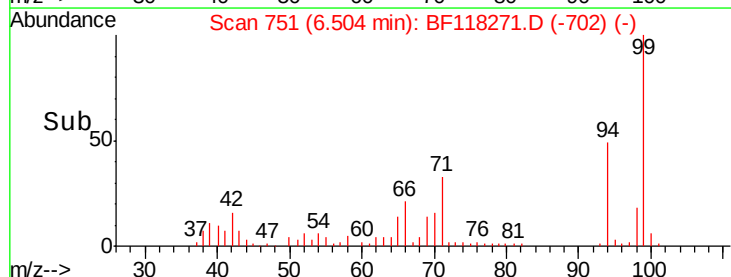
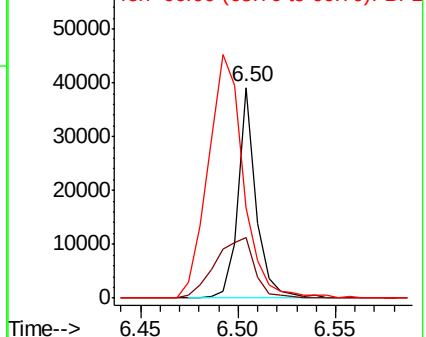


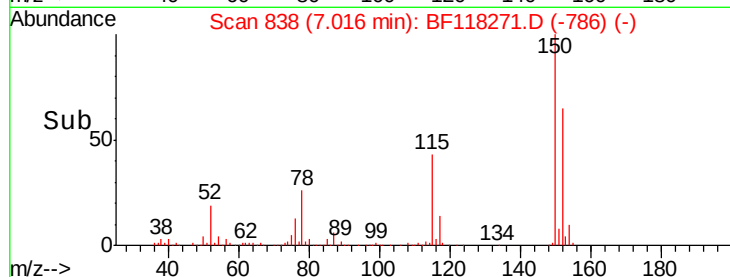
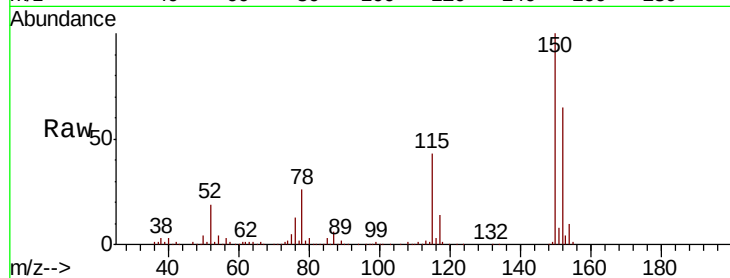
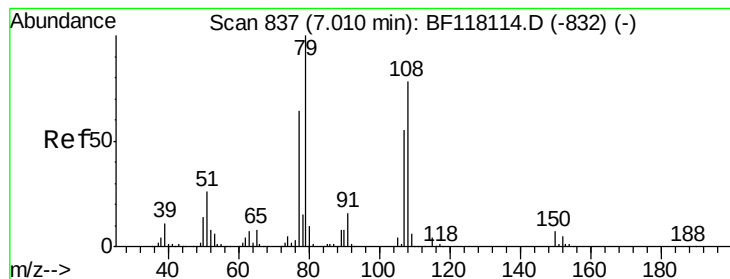
Abundance

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





#15

Benzyl Alcohol

Concen: 2.022 ng

RT: 7.02 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF118271.D

Acq: 18 Dec 2019 20:58

Instrument :

BNA_F

ClientSampleId :

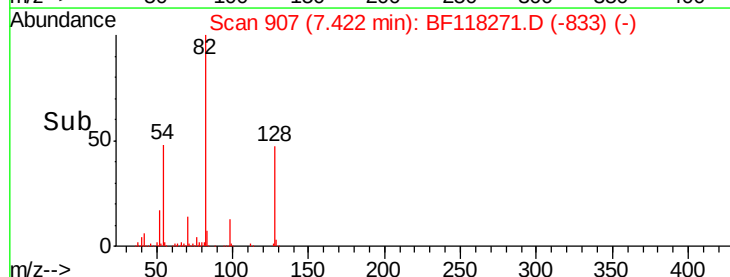
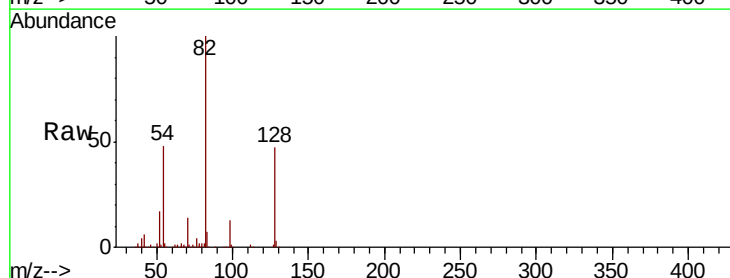
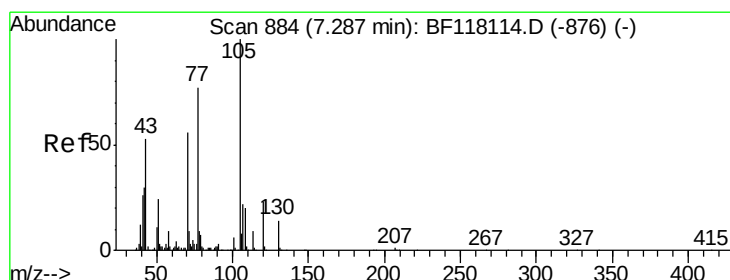
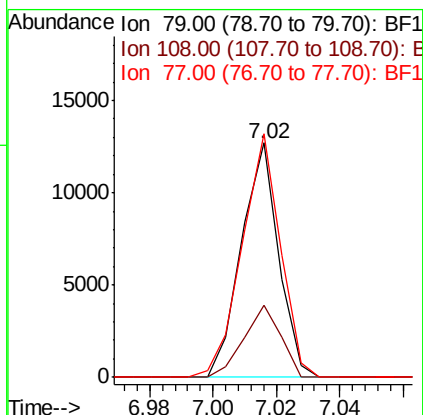
Tot Ion: 79 Resp: 10310

Ion Ratio Lower Upper

79 100

108 30.6 62.7 94.1#

77 103.9 51.4 77.2#



#19

n-Nitroso-di-n-propylamine

Concen: 19.894 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118271.D

Acq: 18 Dec 2019 20:58

Tgt Ion: 70 Resp: 78952

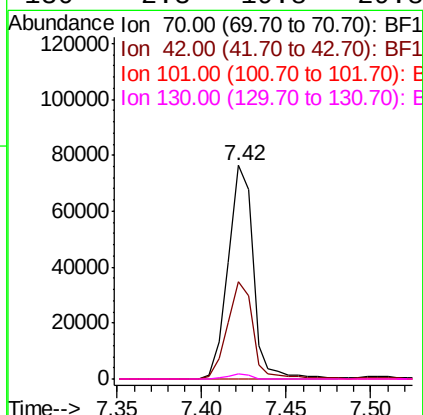
Ion Ratio Lower Upper

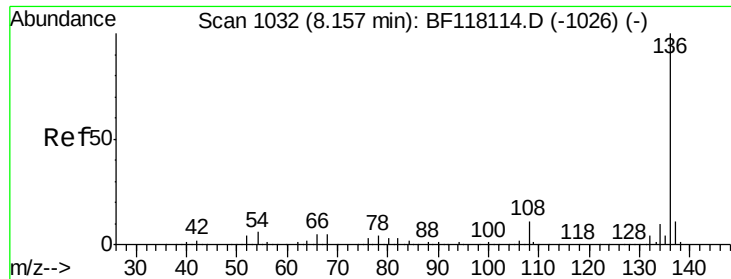
70 100

42 45.7 43.2 64.8

101 0.0 8.1 12.1#

130 2.3 19.8 29.8#

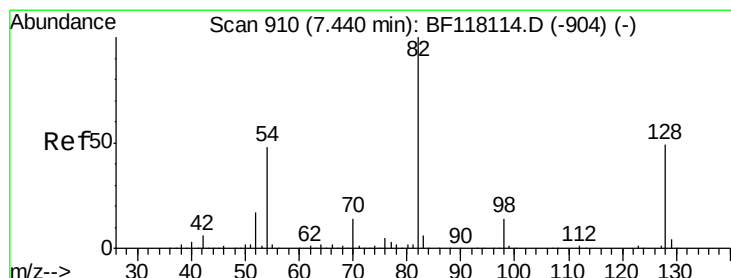
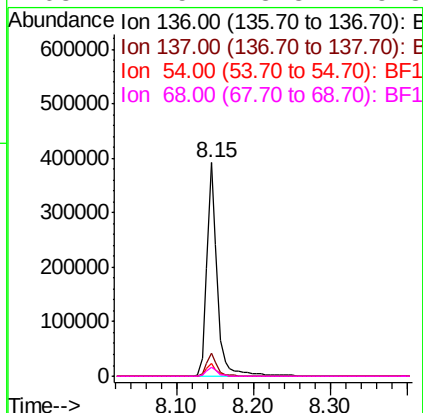
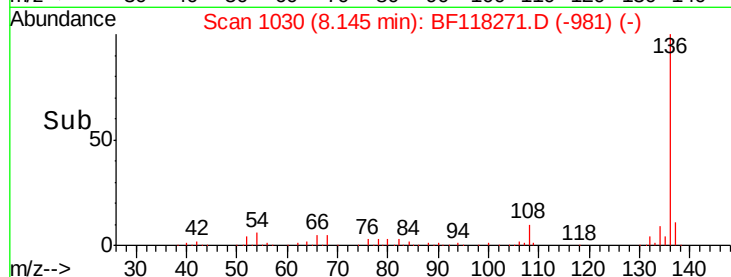
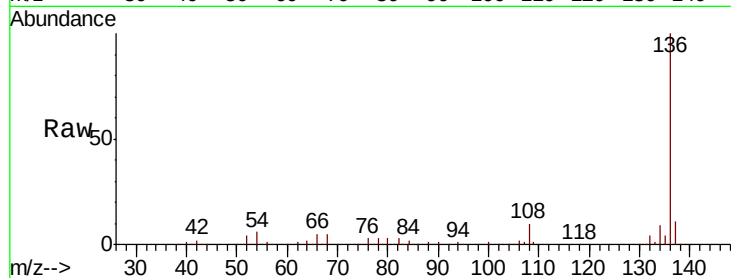




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118271.D
Acq: 18 Dec 2019 20:58

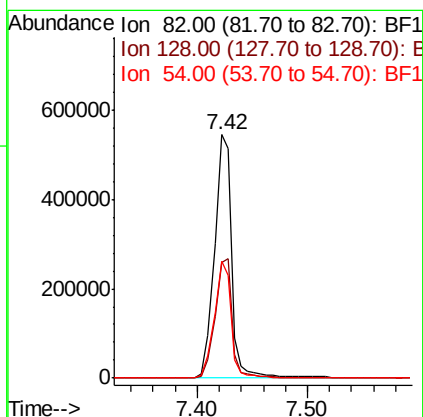
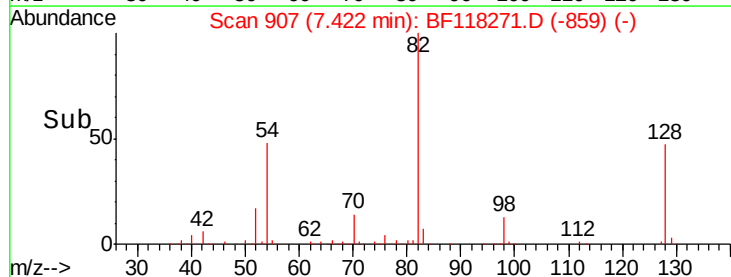
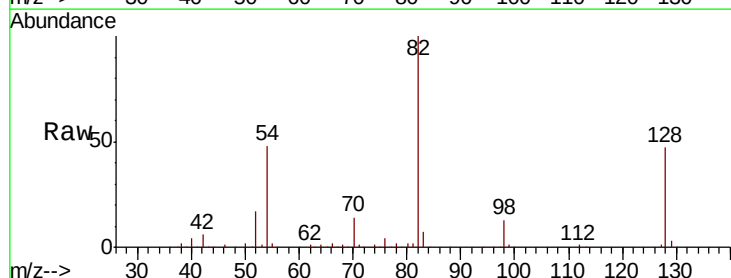
Instrument :
BNA_F
ClientSampleId :

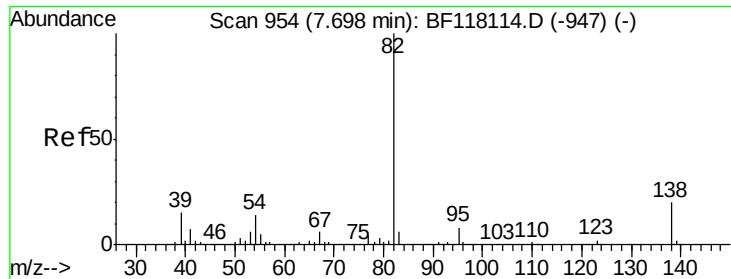
Tot Ion:136	Resp:	368836
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.6
54	5.8	5.0 7.6
68	4.5	3.8 5.8



#23
Nitrobenzene-d5
Concen: 89.521 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118271.D
Acq: 18 Dec 2019 20:58

Tgt Ion: 82	Resp:	586918
Ion Ratio	Lower	Upper
82	100	
128	47.5	39.1 58.7
54	48.0	38.2 57.2





#25

Isophorone

Concen: 52.808 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118271.D

Acq: 18 Dec 2019 20:58

Instrument :

BNA_F

ClientSampleId :

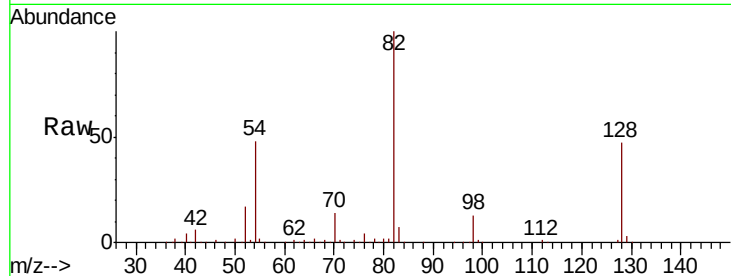
Tot Ion: 82 Resp: 586911

Ion Ratio Lower Upper

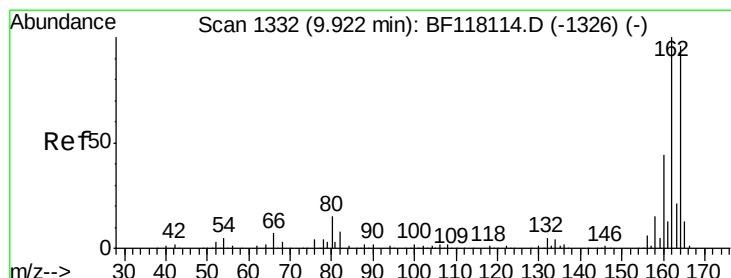
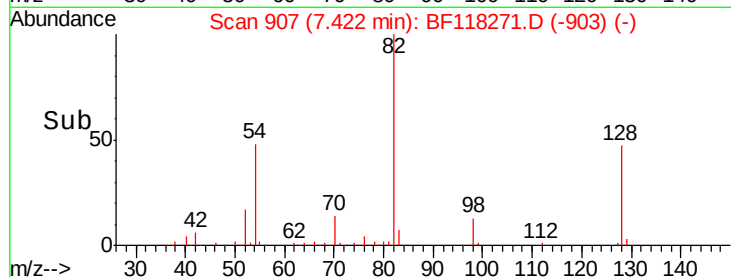
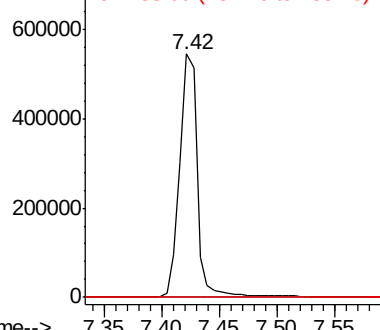
82 100

95 0.0 6.3 9.5#

138 0.0 16.3 24.5#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118271.D

Acq: 18 Dec 2019 20:58

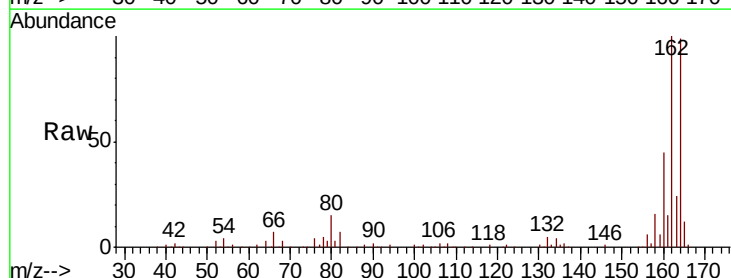
Tgt Ion:164 Resp: 190478

Ion Ratio Lower Upper

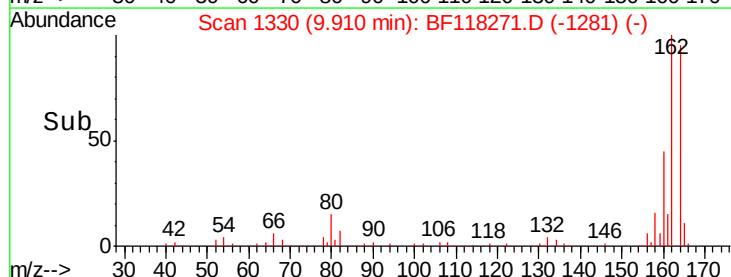
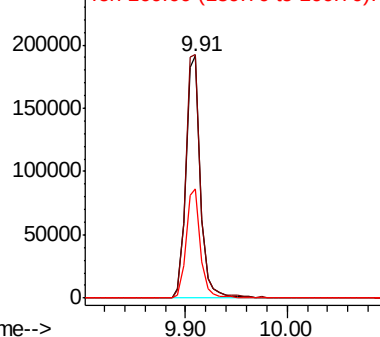
164 100

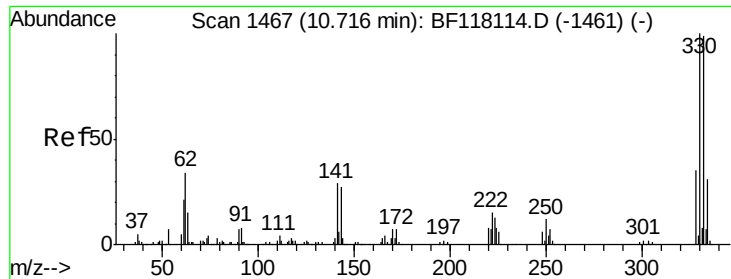
162 100.6 83.4 125.0

160 45.2 36.6 54.8



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

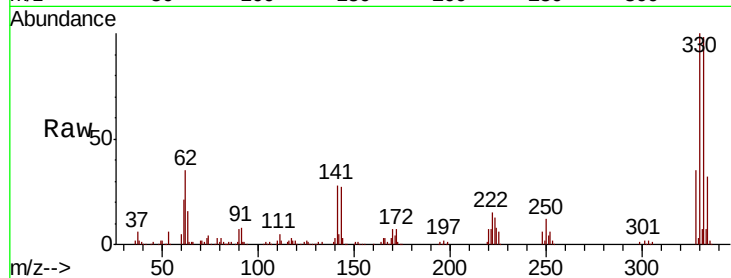




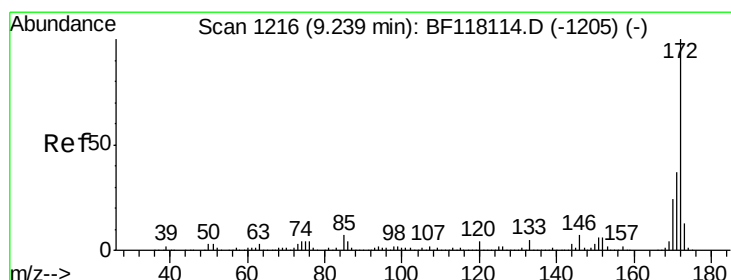
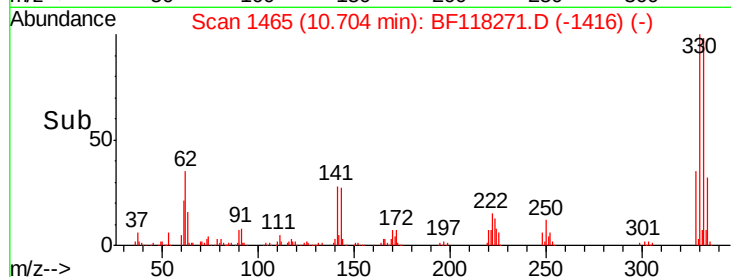
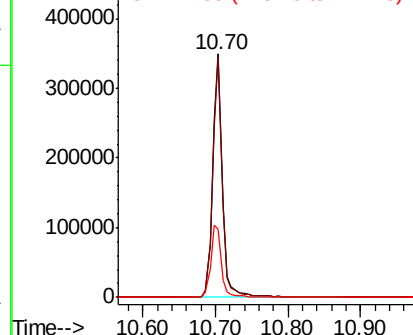
#42
 2,4,6-Tribromophenol
 Concen: 139.648 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118271.D
 Acq: 18 Dec 2019 20:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.1	117.1
141	32.6	26.9	40.3

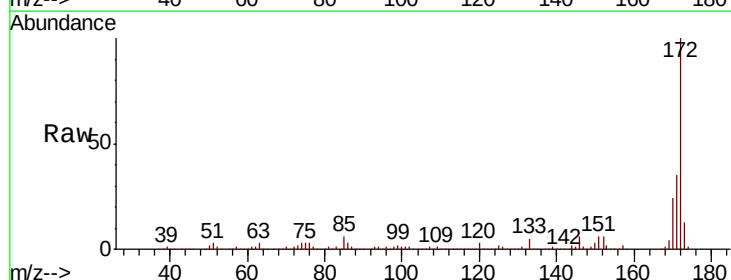


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

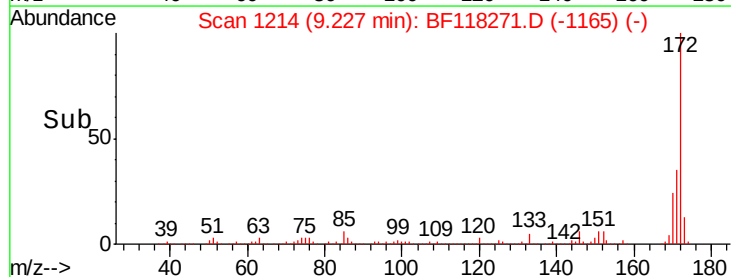
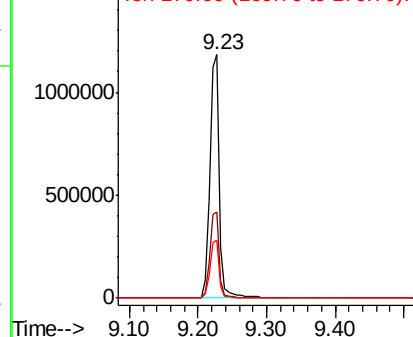


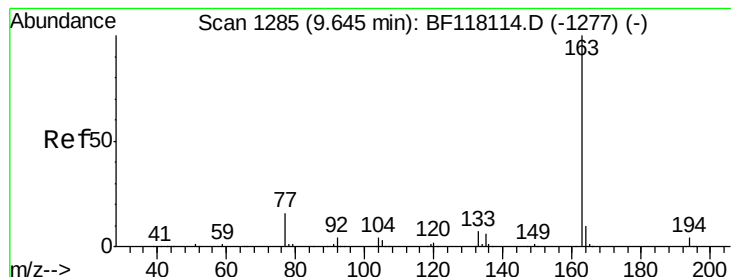
#45
 2-Fluorobiphenyl
 Concen: 93.425 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118271.D
 Acq: 18 Dec 2019 20:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.2	43.8
170	23.6	19.4	29.2



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: 5.546 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF118271.D

Acq: 18 Dec 2019 20:58

Instrument :

BNA_F

ClientSampled :

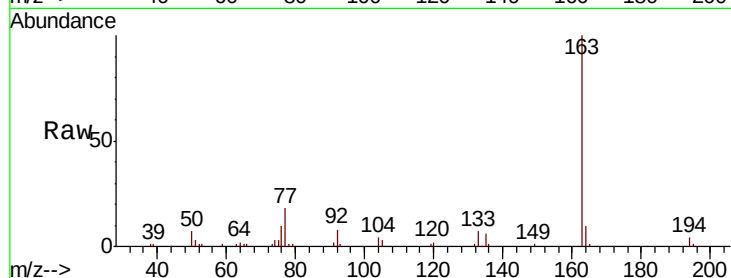
Tot Ion:163 Resp: 78033

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

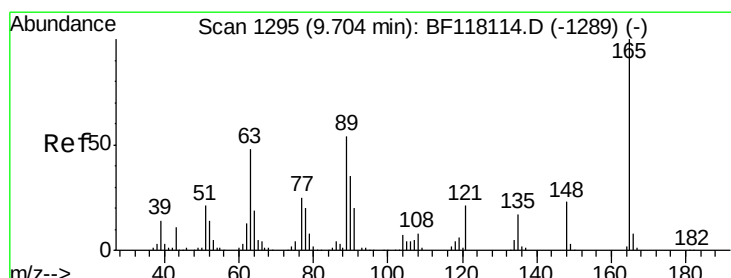
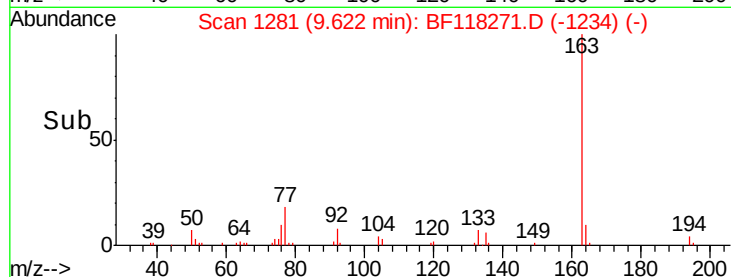
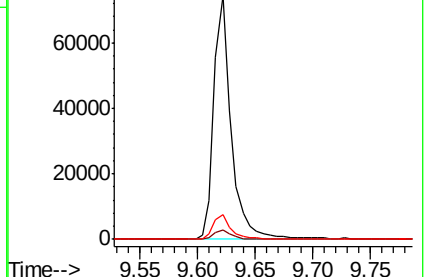
164 10.2 7.7 11.5



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: 7.765 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.20 min

Lab File: BF118271.D

Acq: 18 Dec 2019 20:58

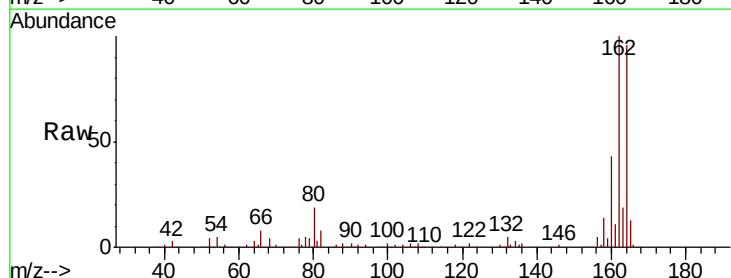
Tgt Ion:165 Resp: 23756

Ion Ratio Lower Upper

165 100

63 0.0 41.4 62.0#

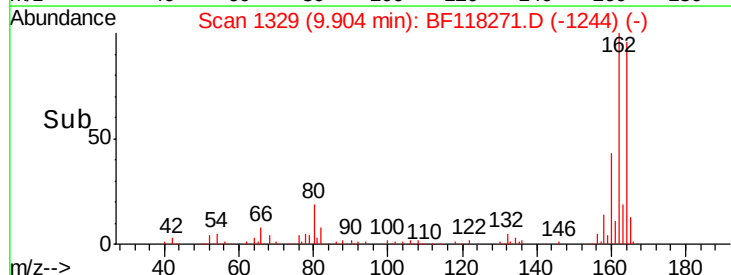
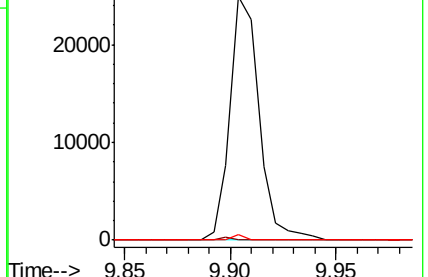
89 2.3 42.9 64.3#

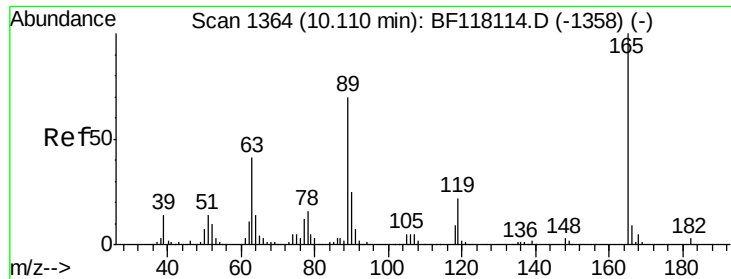


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

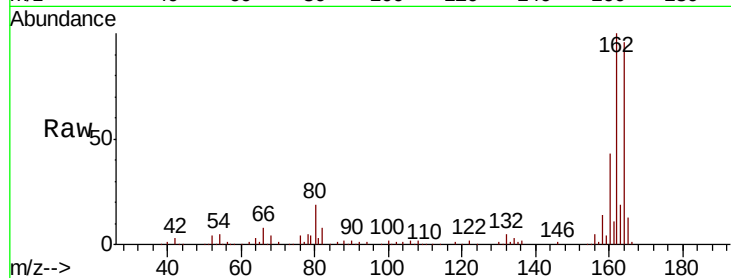




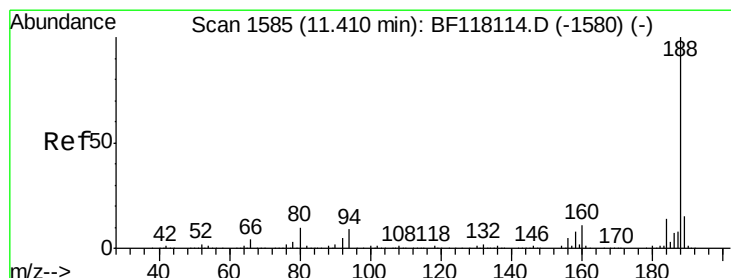
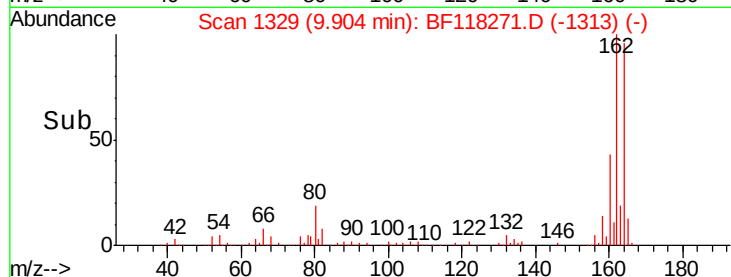
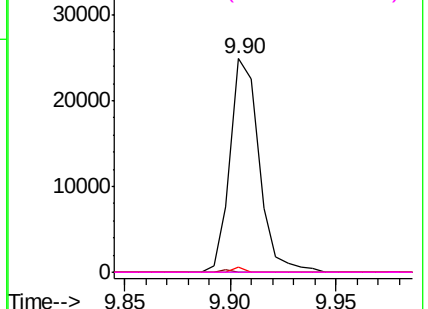
#57
 2,4-Dinitrotoluene
 Concen: 5.818 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF118271.D
 Acq: 18 Dec 2019 20:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	23756
Ion Ratio	Lower	Upper
165	100	
63	0.0	32.6 49.0#
89	2.3	56.1 84.1#
182	0.0	2.1 3.1#

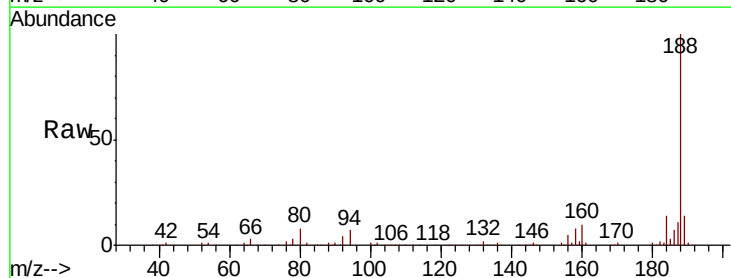


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

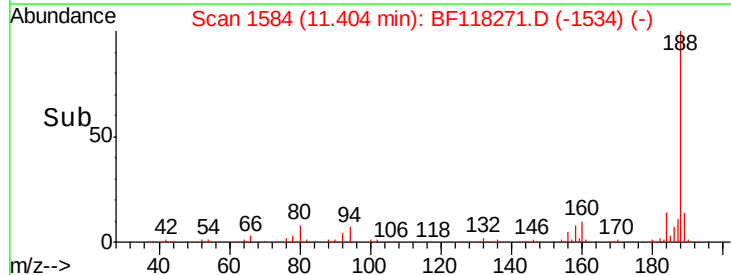
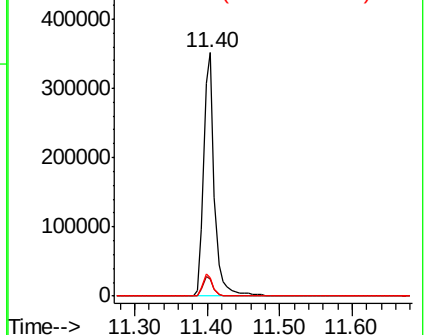


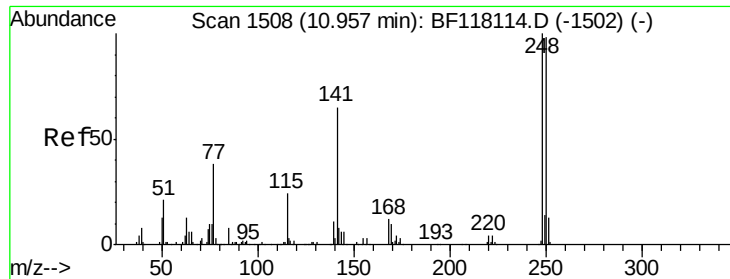
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118271.D
 Acq: 18 Dec 2019 20:58

Tgt Ion:188	Resp:	362066
Ion Ratio	Lower	Upper
188	100	
94	7.0	7.1 10.7#
80	7.6	7.9 11.9#



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

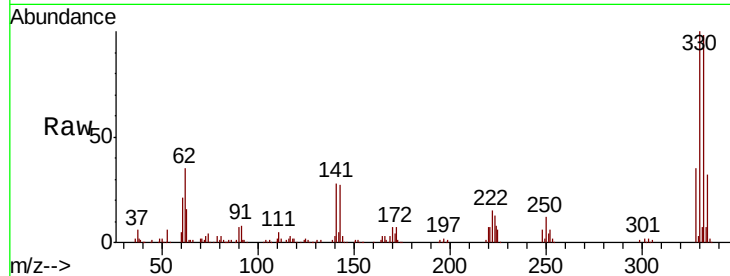




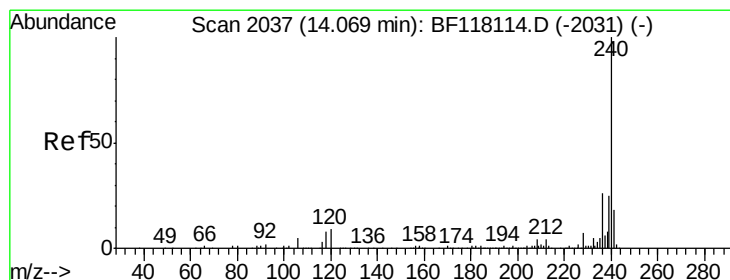
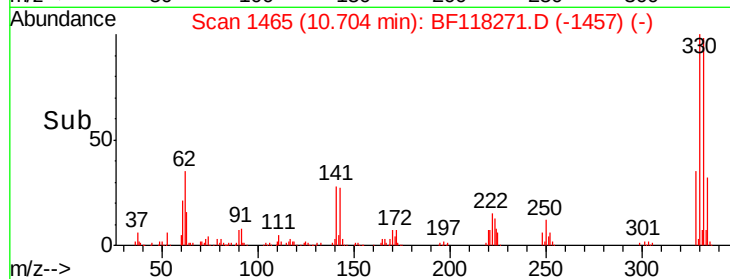
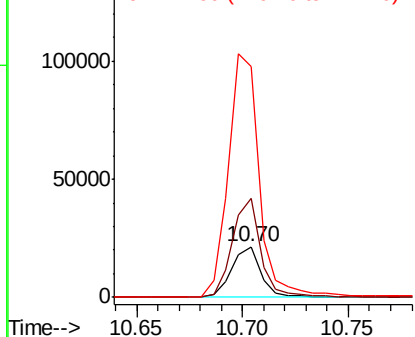
#67
4-Bromophenyl-phenylether
Concen: 5.013 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118271.D
Acq: 18 Dec 2019 20:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20720
Ion Ratio Lower Upper
248 100
250 194.1 78.3 117.5#
141 452.4 52.2 78.4#

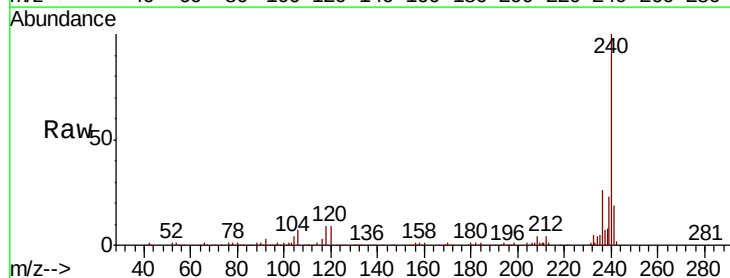


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

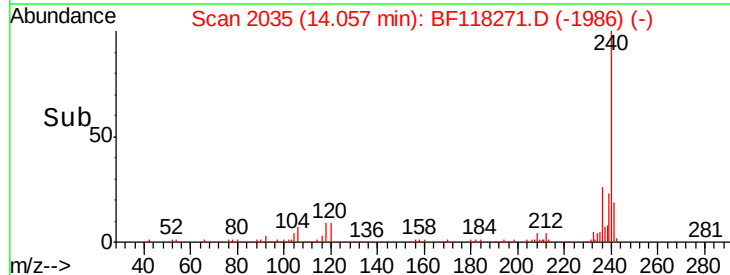
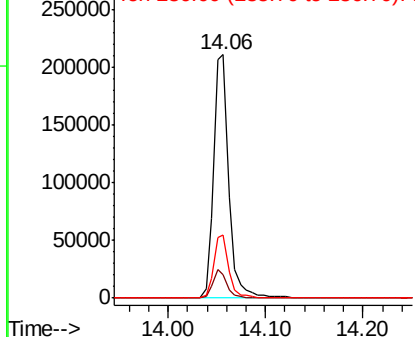


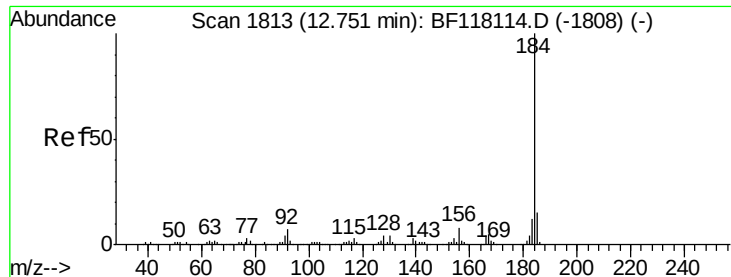
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118271.D
Acq: 18 Dec 2019 20:58

Tgt Ion:240 Resp: 227959
Ion Ratio Lower Upper
240 100
120 9.4 7.1 10.7
236 26.2 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: 2.855 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.24 min

Lab File: BF118271.D

Acq: 18 Dec 2019 20:58

Instrument :

BNA_F

ClientSampleId :

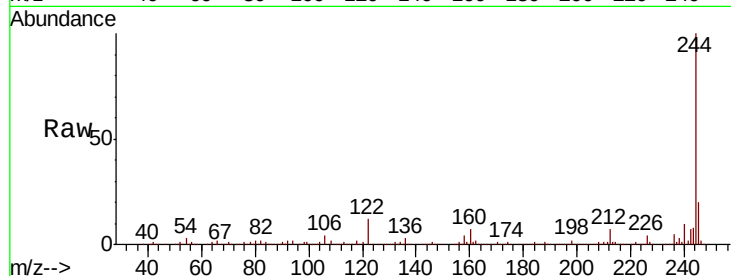
Tot Ion:184 Resp: 17133

Ion Ratio Lower Upper

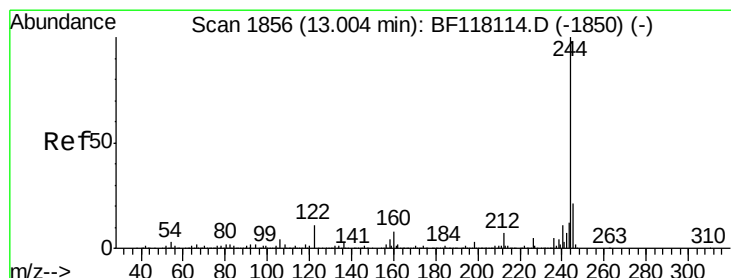
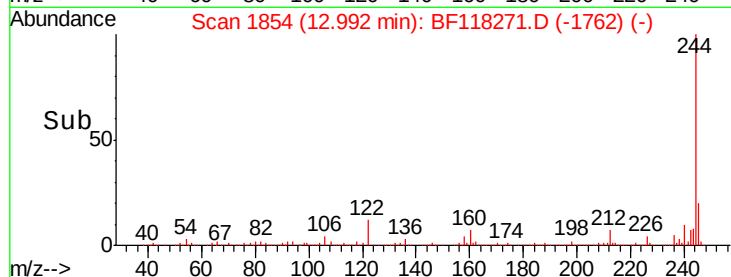
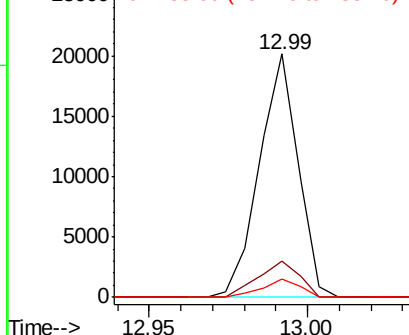
184 100

185 14.9 12.3 18.5

183 7.5 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: 97.800 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118271.D

Acq: 18 Dec 2019 20:58

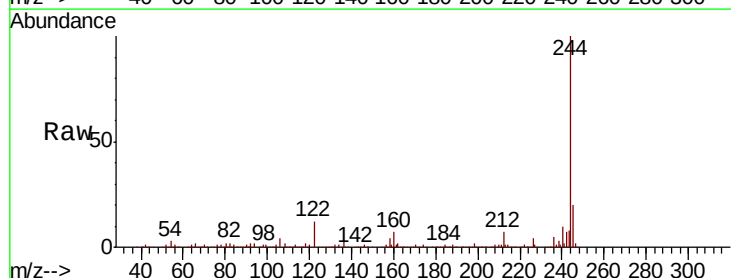
Tgt Ion:244 Resp: 1296470

Ion Ratio Lower Upper

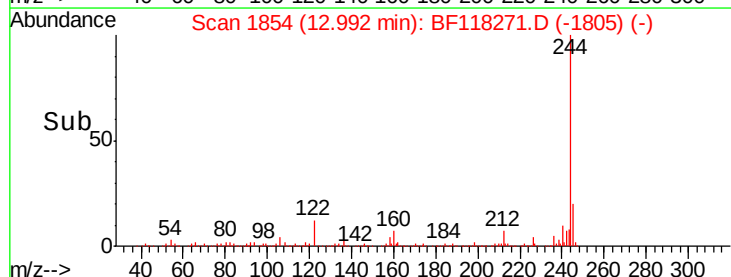
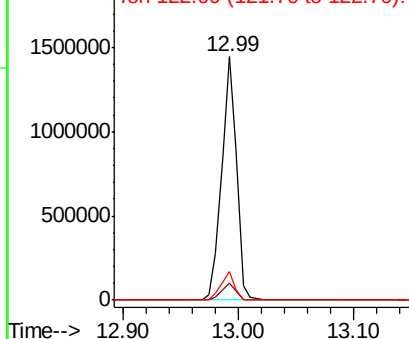
244 100

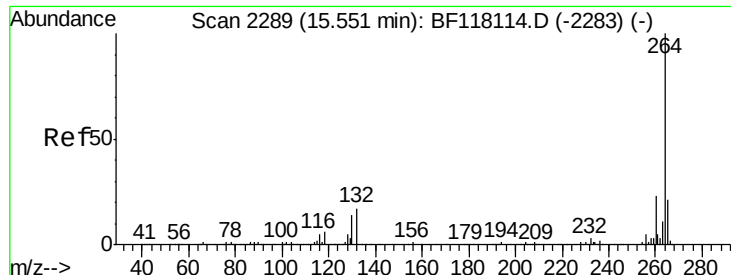
212 6.9 5.9 8.9

122 11.7 9.0 13.6



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: 15.54 min Scan# 2288
 Delta R.T. -0.01 min
 Lab File: BF118271.D
 Acq: 18 Dec 2019 20:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.6	28.0
265	21.9	16.8	25.2

