

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118273.D
 Acq On : 18 Dec 2019 21:54
 Operator : JU
 Sample : K6357-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:11:40 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

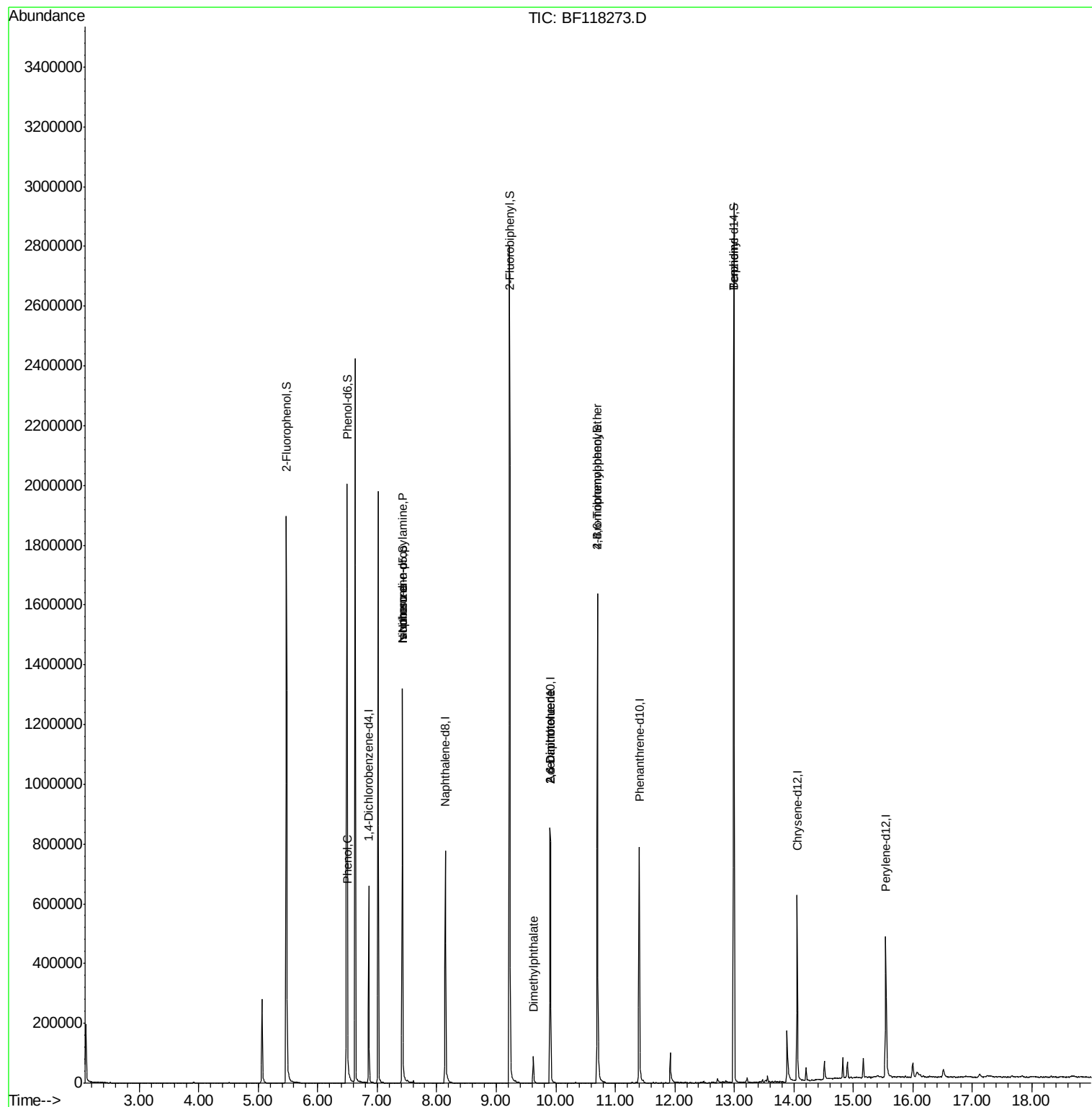
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	97891	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	377242	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	196916	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	365476	20.00	ng	0.00
76) Chrysene-d12	14.05	240	233813	20.00	ng	-0.02
87) Perylene-d12	15.54	264	240084	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	541404	96.87	ng	0.00
7) Phenol-d6	6.49	99	686704	101.58	ng	0.00
23) Nitrobenzene-d5	7.42	82	408580	60.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	220072	92.00	ng	-0.02
45) 2-Fluorobiphenyl	9.22	172	869603	67.20	ng	-0.02
79) Terphenyl-d14	12.99	244	976831	71.84	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	1276	Below Cal	Qvalue	# 1
10) Phenol	6.50	94	16806	2.180 ng		95
19) n-Nitroso-di-n-propylamine	7.42	70	53915	13.125 ng	#	78
25) Isophorone	7.42	82	408577	35.943 ng	#	62
50) Dimethylphthalate	9.62	163	47776	3.285 ng		100
51) 2,6-Dinitrotoluene	9.90	165	24968	7.894 ng	#	27
57) 2,4-Dinitrotoluene	9.90	165	24968	5.915 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	13390	3.210 ng	#	1
77) Benzidine	12.99	184	12982	2.109 ng	#	91

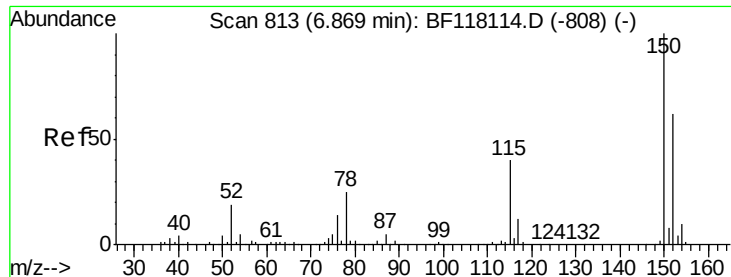
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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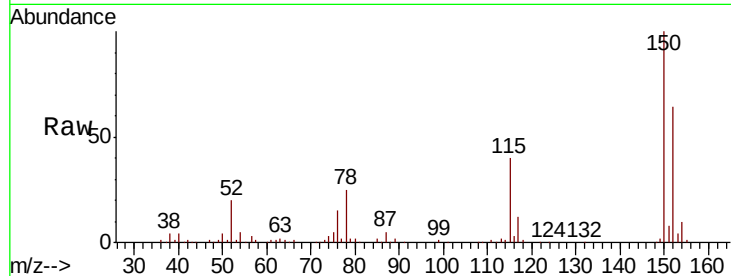


#1

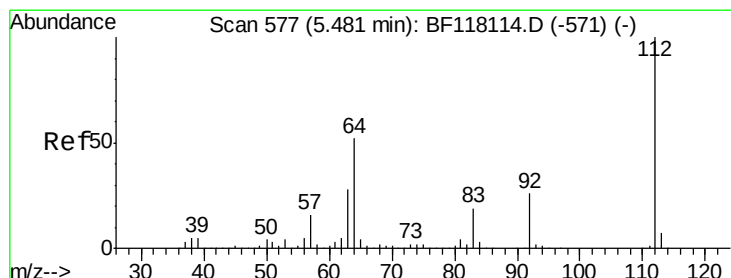
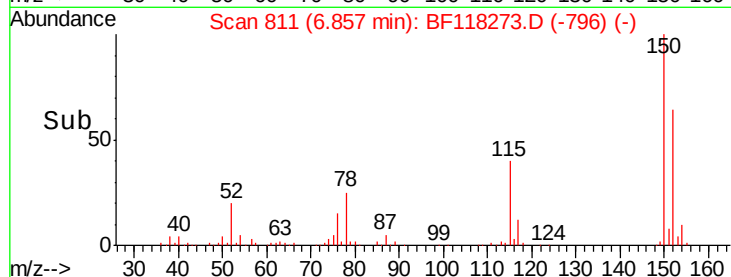
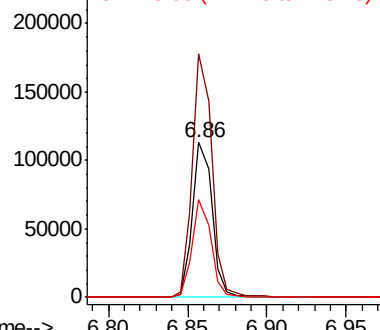
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118273.D
Acq: 18 Dec 2019 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97891
Ion Ratio Lower Upper
152 100
150 157.4 128.3 192.5
115 63.0 51.1 76.7



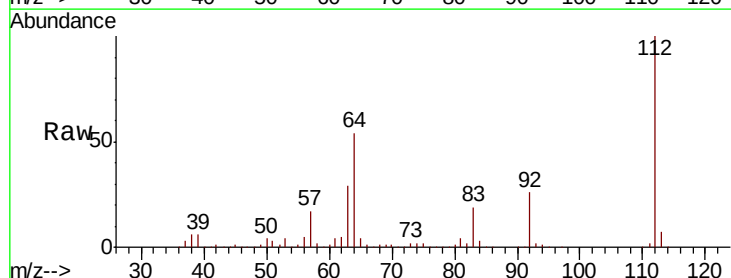
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



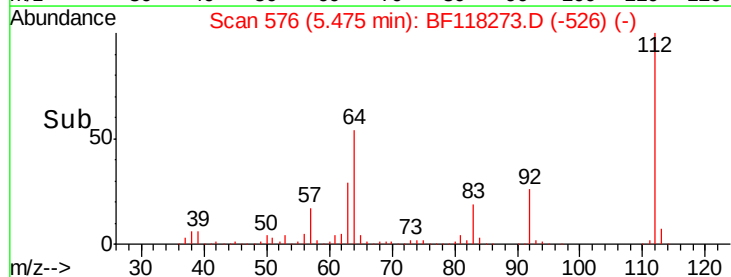
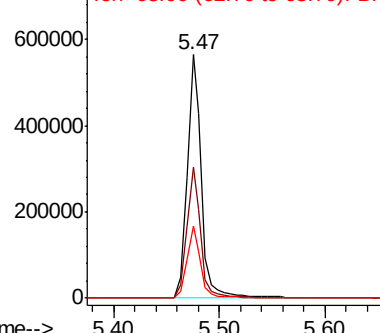
#5

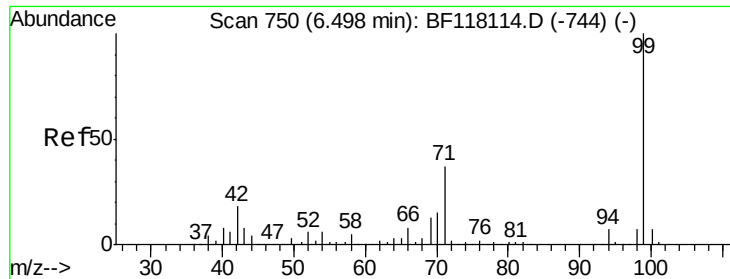
2-Fluorophenol
Concen: 96.868 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118273.D
Acq: 18 Dec 2019 21:54

Tgt Ion:112 Resp: 541404
Ion Ratio Lower Upper
112 100
64 53.9 41.3 61.9
63 29.4 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: 101.581 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118273.D

Acq: 18 Dec 2019 21:54

Instrument :

BNA_F

ClientSampled :

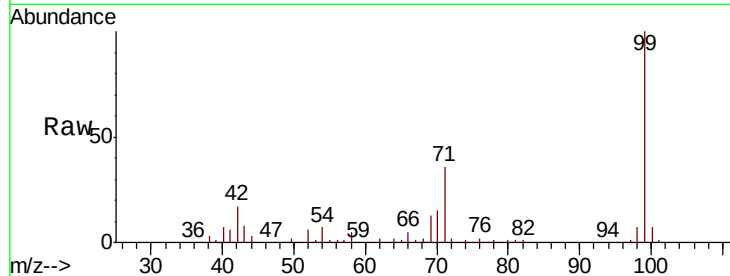
Tot Ion: 99 Resp: 686704

Ion Ratio Lower Upper

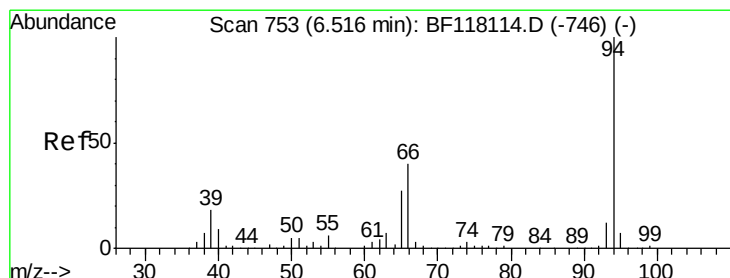
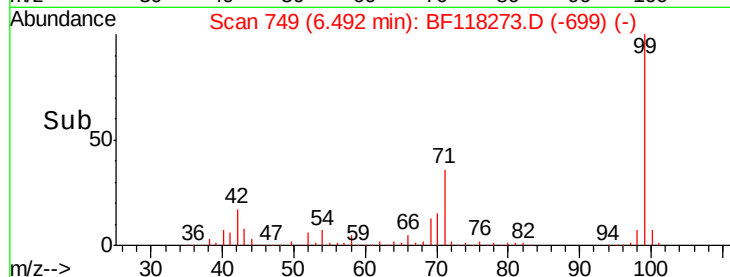
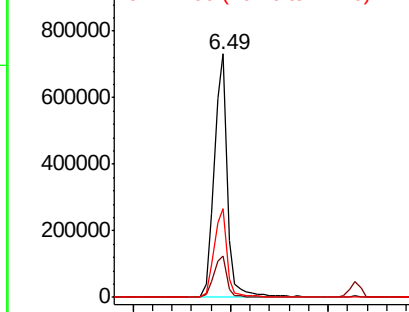
99 100

42 16.9 14.1 21.1

71 36.4 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: 2.180 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118273.D

Acq: 18 Dec 2019 21:54

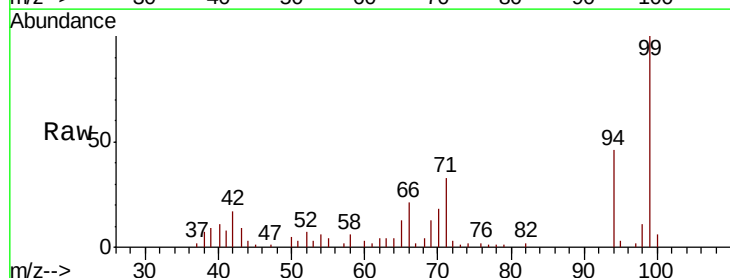
Tgt Ion: 94 Resp: 16806

Ion Ratio Lower Upper

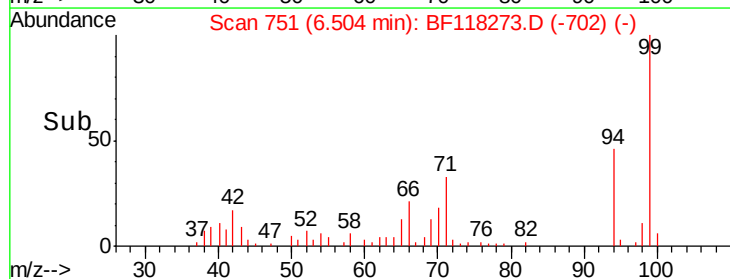
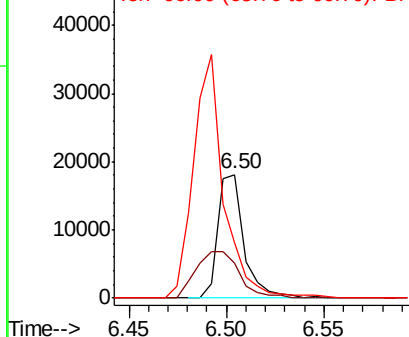
94 100

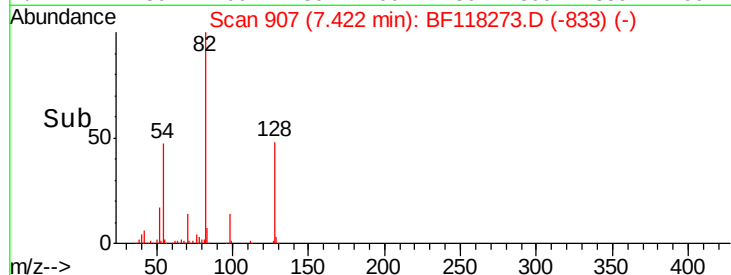
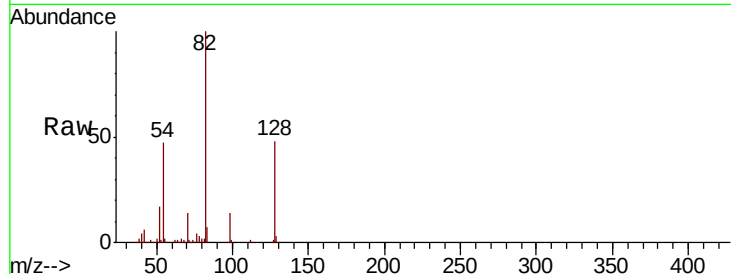
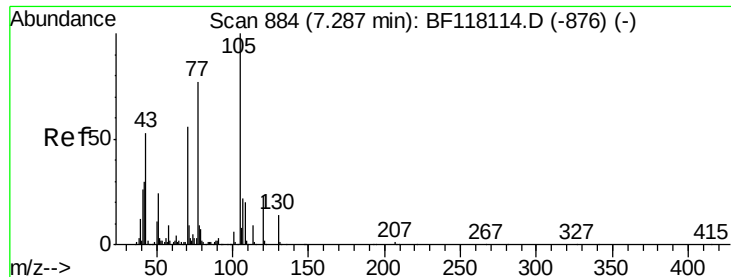
65 28.2 7.3 47.3

66 45.0 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

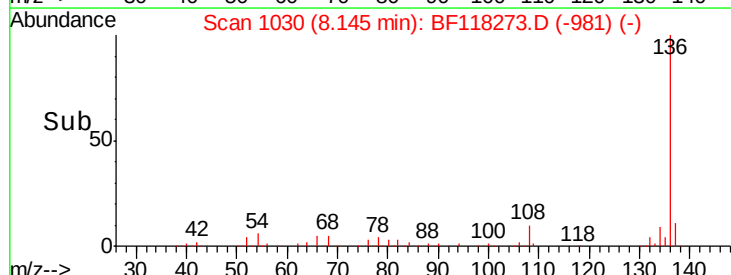
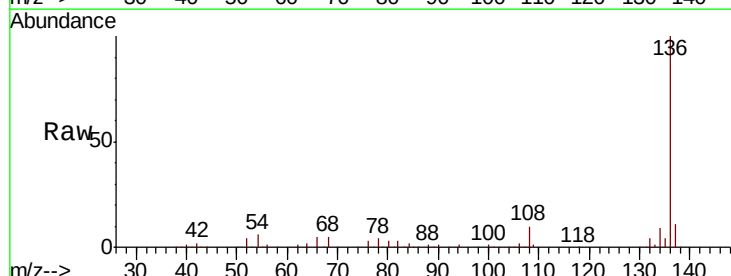
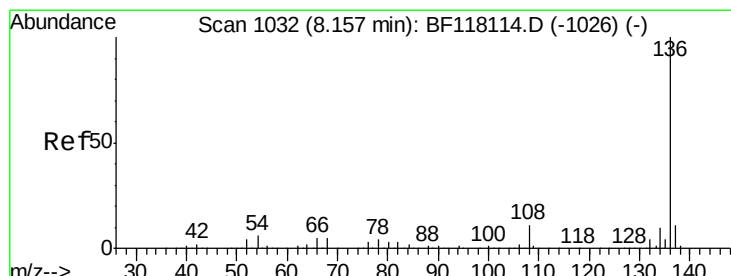
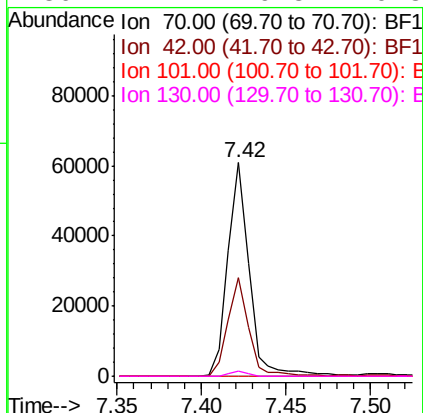




#19
n-Nitroso-di-n-propylamine
Concen: 13.125 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF118273.D
Acq: 18 Dec 2019 21:54

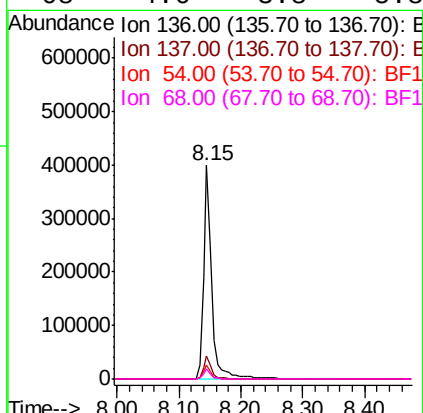
Instrument :
BNA_F
ClientSampleId :

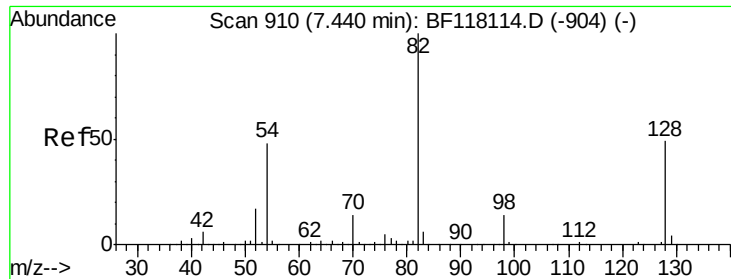
Tot Ion: 70 Resp: 53915
Ion Ratio Lower Upper
70 100
42 46.2 43.2 64.8
101 0.0 8.1 12.1#
130 2.2 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118273.D
Acq: 18 Dec 2019 21:54

Tgt Ion: 136 Resp: 377242
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 6.3 5.0 7.6
68 4.6 3.8 5.8

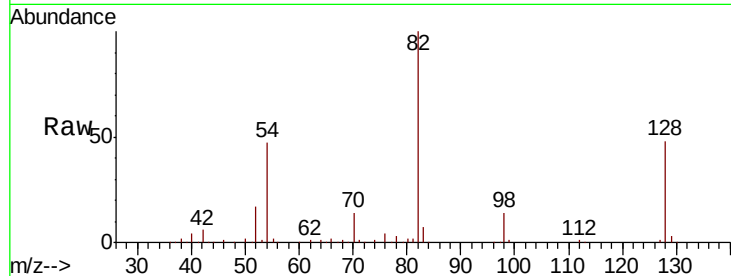




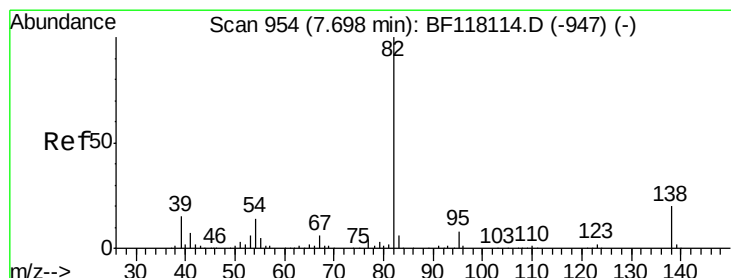
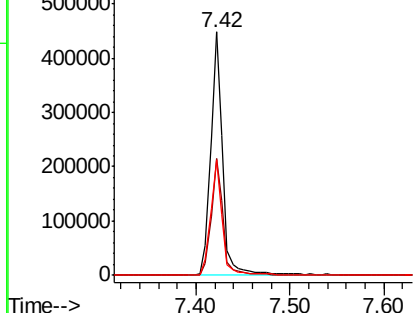
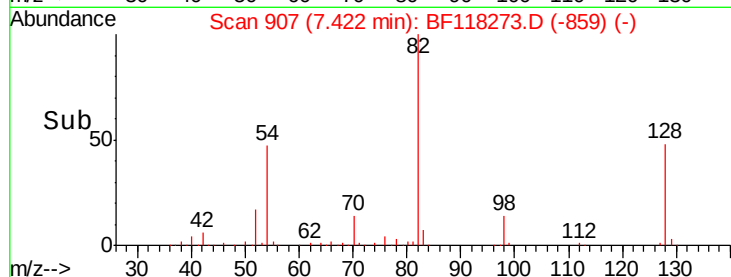
#23
 Nitrobenzene-d5
 Concen: 60.931 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF118273.D
 Acq: 18 Dec 2019 21:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	408580
Ion Ratio	Lower	Upper	
82	100		
128	47.8	39.1	58.7
54	47.4	38.2	57.2

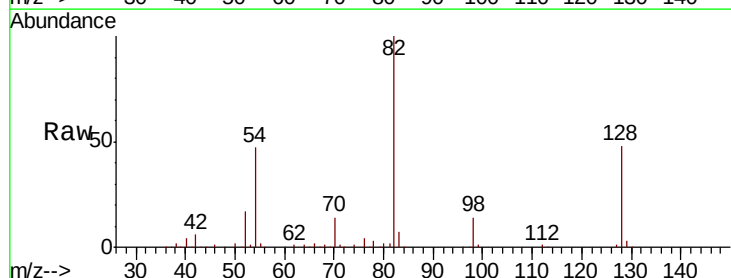


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

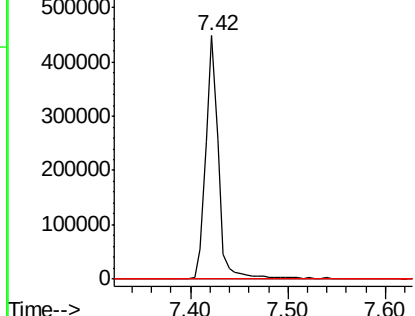
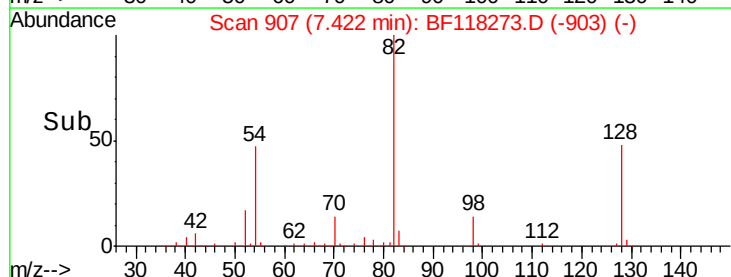


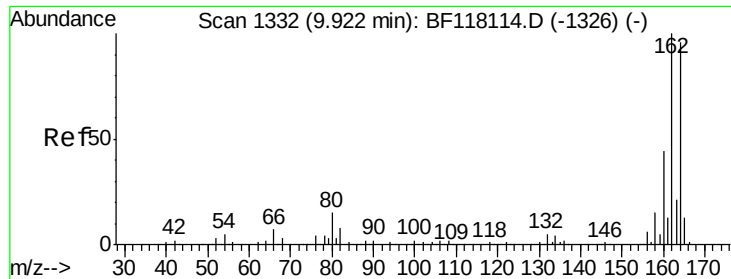
#25
 Isophorone
 Concen: 35.943 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.28 min
 Lab File: BF118273.D
 Acq: 18 Dec 2019 21:54

Tgt Ion	82	Resp	408577
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): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF118273.D

Acq: 18 Dec 2019 21:54

Instrument :

BNA_F

ClientSampleId :

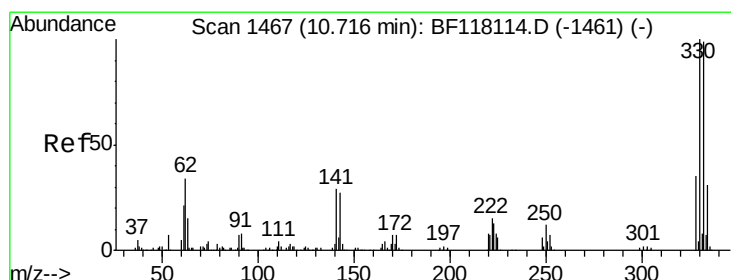
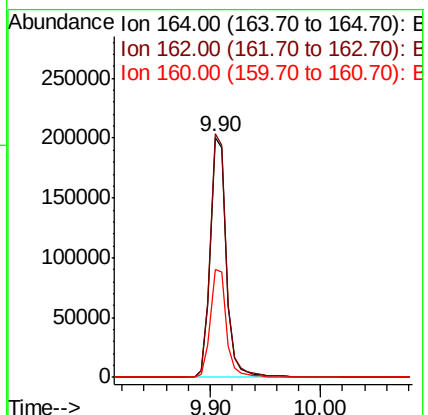
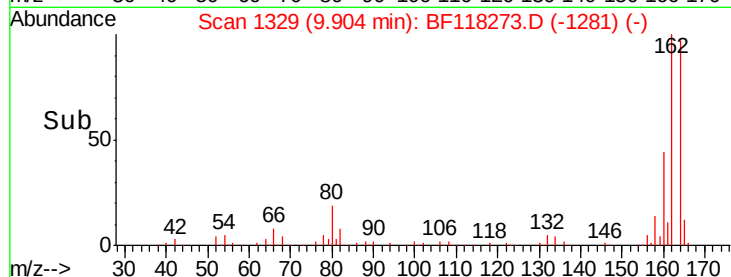
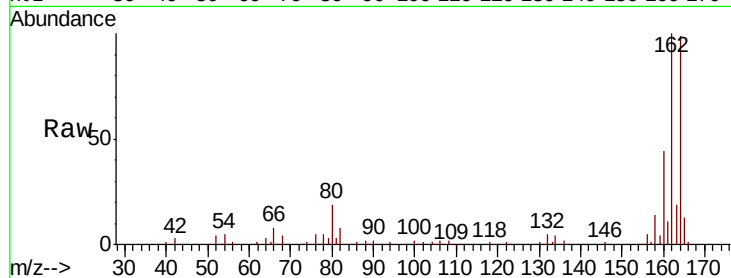
Tot Ion:164 Resp: 196916

Ion Ratio Lower Upper

164 100

162 101.3 83.4 125.0

160 44.7 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 91.997 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF118273.D

Acq: 18 Dec 2019 21:54

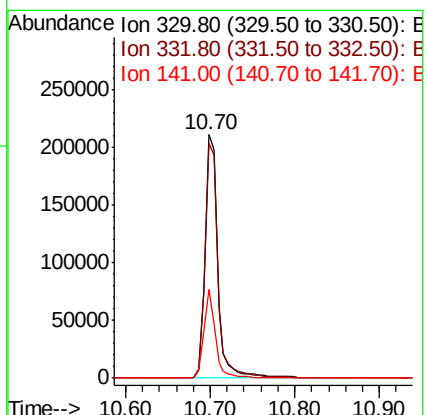
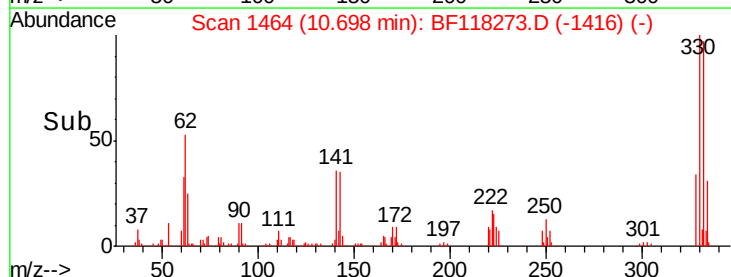
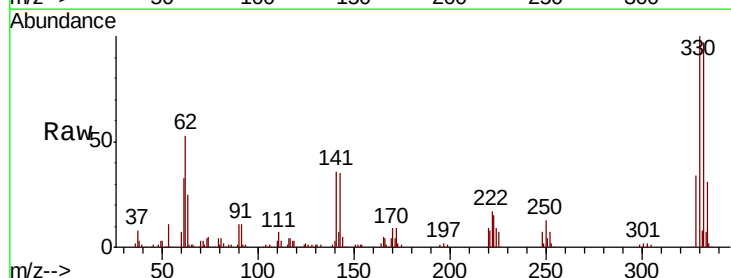
Tgt Ion:330 Resp: 220072

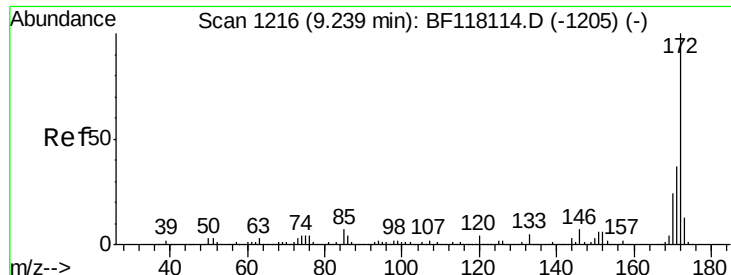
Ion Ratio Lower Upper

330 100

332 98.3 78.1 117.1

141 32.7 26.9 40.3

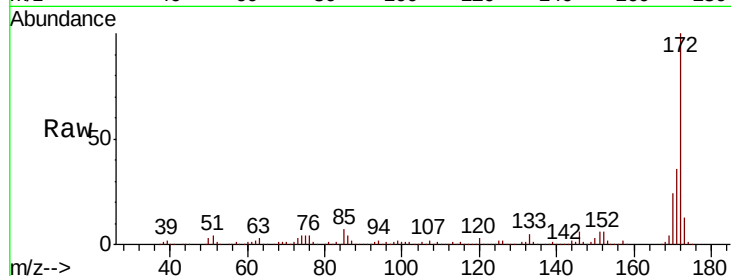




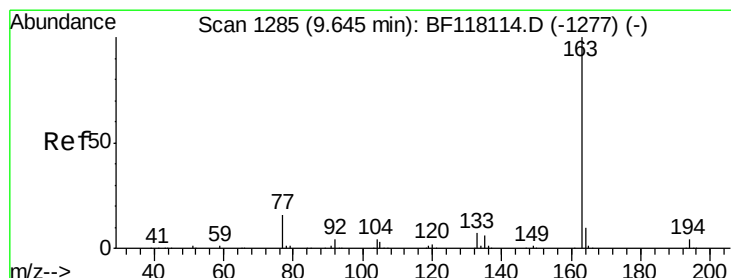
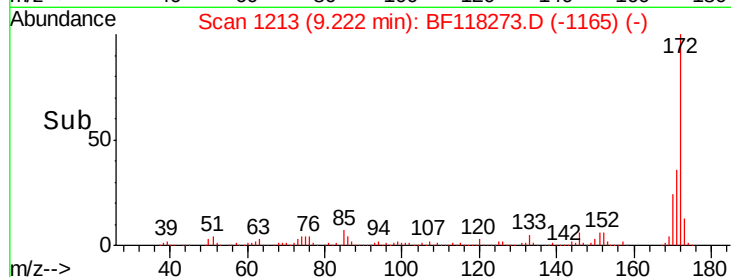
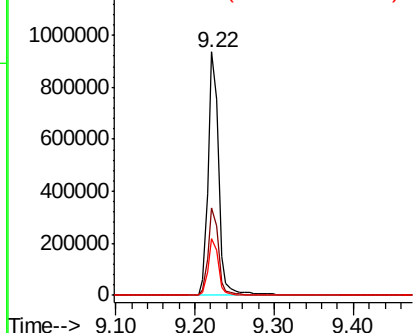
#45
2-Fluorobiphenyl
Concen: 67.198 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.02 min
Lab File: BF118273.D
Acq: 18 Dec 2019 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 869603
Ion Ratio Lower Upper
172 100
171 35.9 29.2 43.8
170 23.6 19.4 29.2

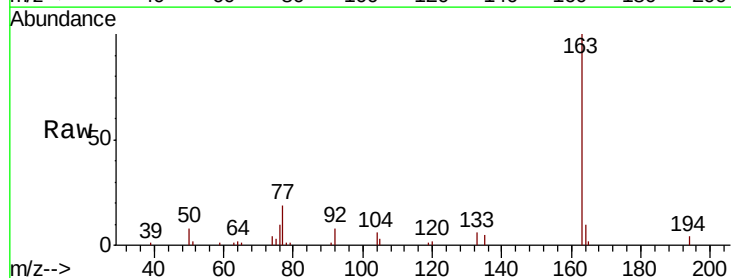


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

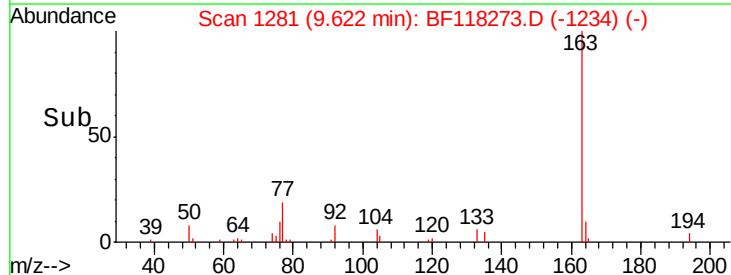
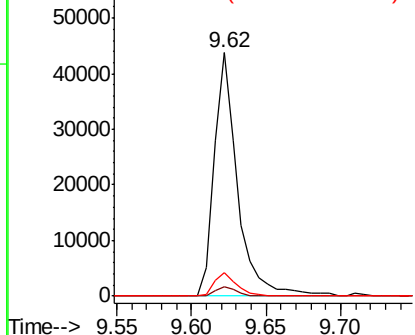


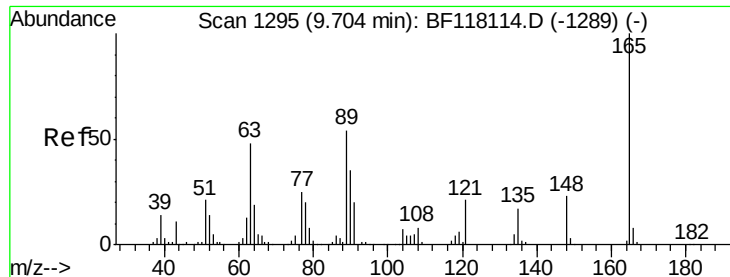
#50
Dimethylphthalate
Concen: 3.285 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118273.D
Acq: 18 Dec 2019 21:54

Tgt Ion:163 Resp: 47776
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.7 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: 7.894 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.20 min

Lab File: BF118273.D

Acq: 18 Dec 2019 21:54

Instrument :

BNA_F

ClientSampleId :

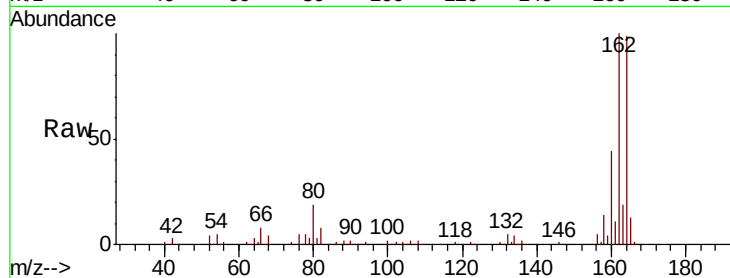
Tot Ion:165 Resp: 24968

Ion Ratio Lower Upper

165 100

63 0.0 41.4 62.0#

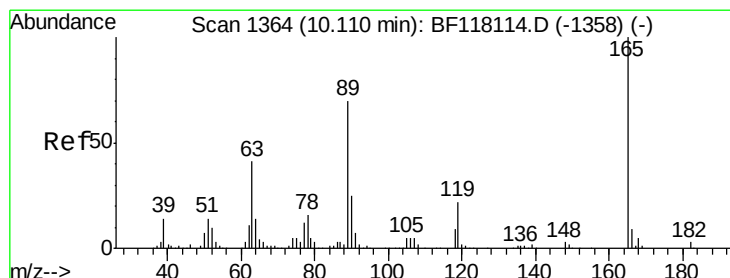
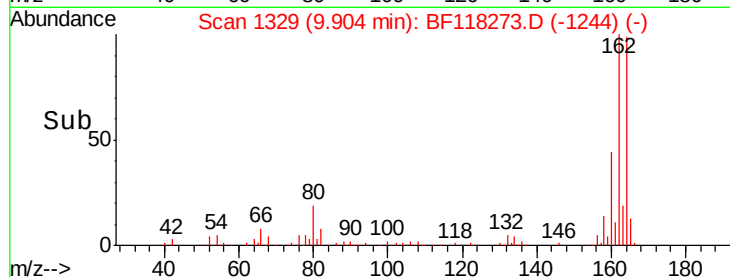
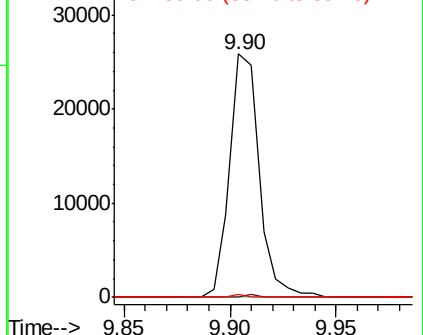
89 1.4 42.9 64.3#



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: 5.915 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.21 min

Lab File: BF118273.D

Acq: 18 Dec 2019 21:54

Tgt Ion:165 Resp: 24968

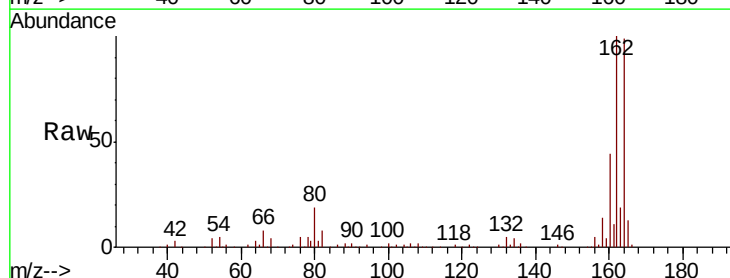
Ion Ratio Lower Upper

165 100

63 0.0 32.6 49.0#

89 1.4 56.1 84.1#

182 0.0 2.1 3.1#

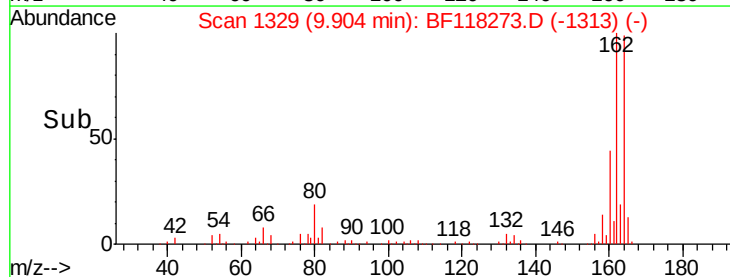
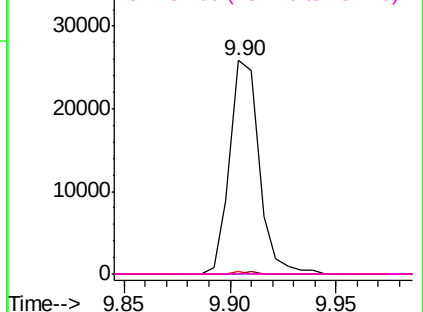


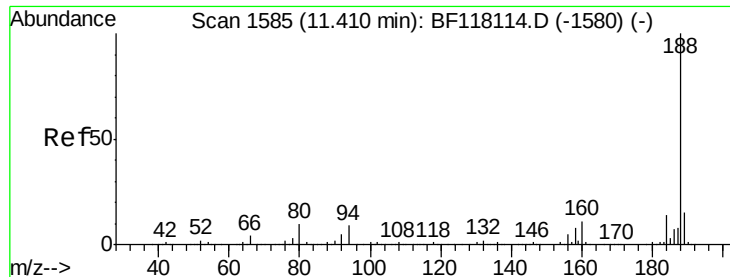
Abundance Ion 165.00 (164.70 to 165.70): E

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

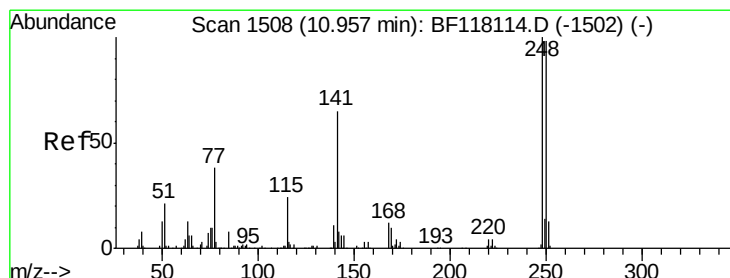
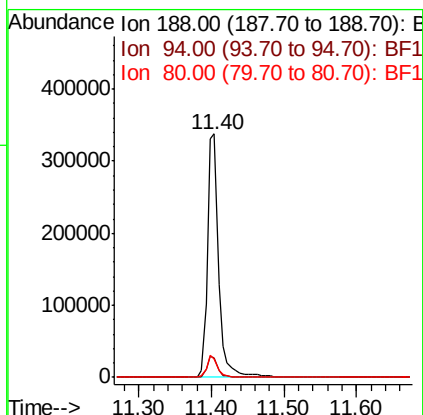
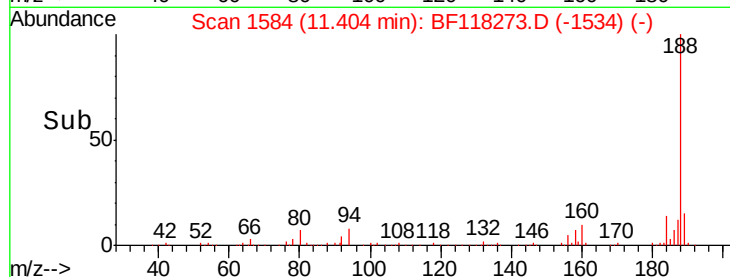
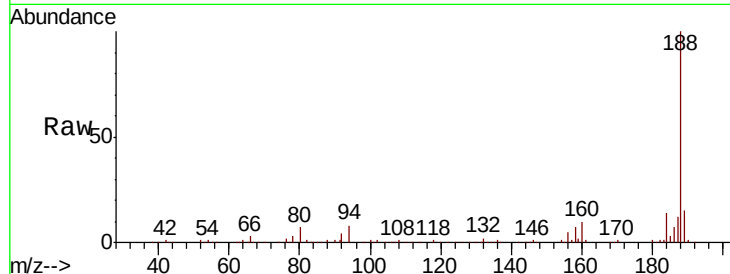




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118273.D
 Acq: 18 Dec 2019 21:54

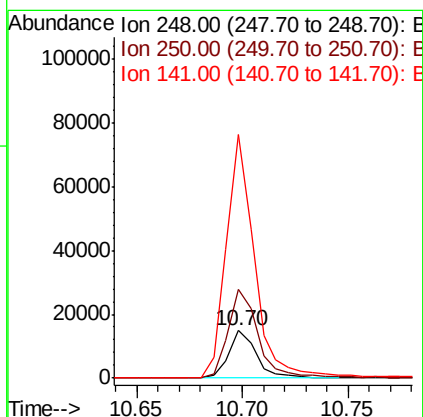
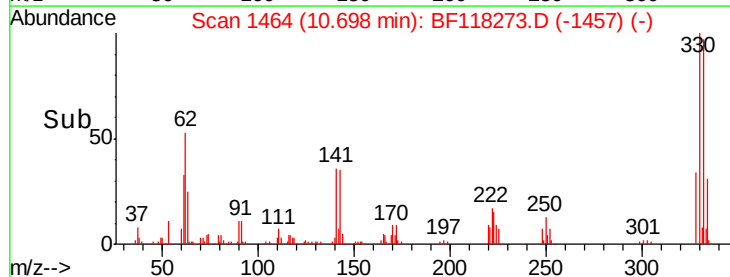
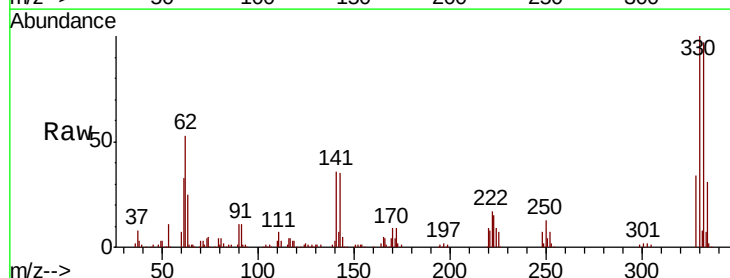
Instrument :
 BNA_F
 ClientSampleId :

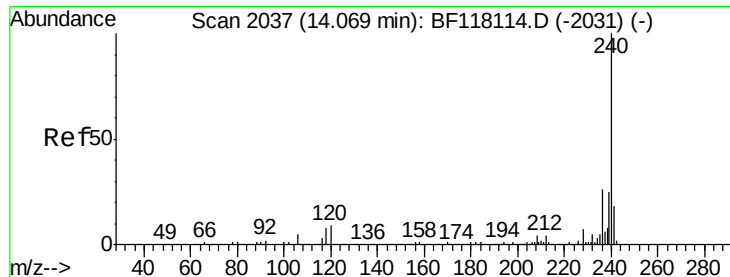
Tot Ion:188 Resp: 365476
 Ion Ratio Lower Upper
 188 100
 94 8.0 7.1 10.7
 80 7.4 7.9 11.9#



#67
 4-Bromophenyl-phenylether
 Concen: 3.210 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.26 min
 Lab File: BF118273.D
 Acq: 18 Dec 2019 21:54

Tgt Ion:248 Resp: 13390
 Ion Ratio Lower Upper
 248 100
 250 186.4 78.3 117.5#
 141 513.8 52.2 78.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF118273.D

Acq: 18 Dec 2019 21:54

Instrument :

BNA_F

ClientSampleId :

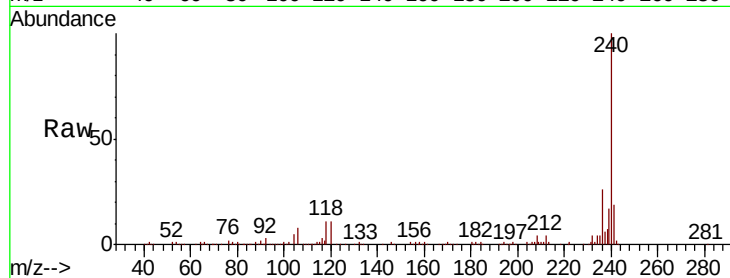
Tot Ion:240 Resp: 233813

Ion Ratio Lower Upper

240 100

120 11.2 7.1 10.7#

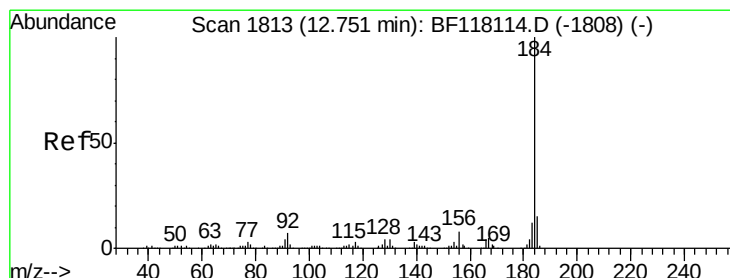
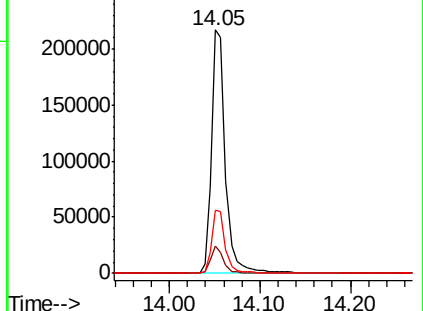
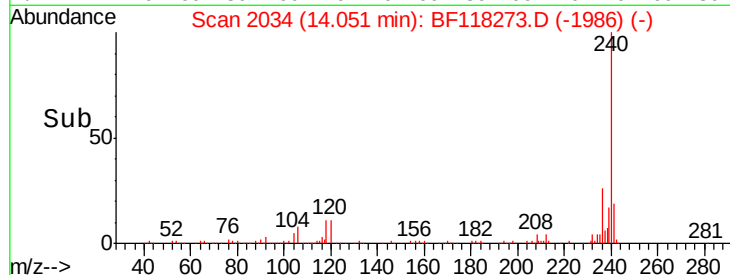
236 25.7 21.0 31.6



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: 2.109 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.24 min

Lab File: BF118273.D

Acq: 18 Dec 2019 21:54

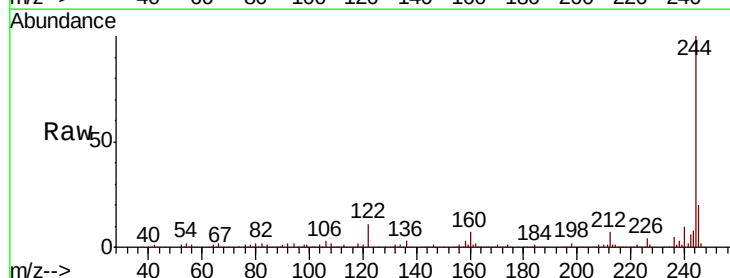
Tgt Ion:184 Resp: 12982

Ion Ratio Lower Upper

184 100

185 16.8 12.3 18.5

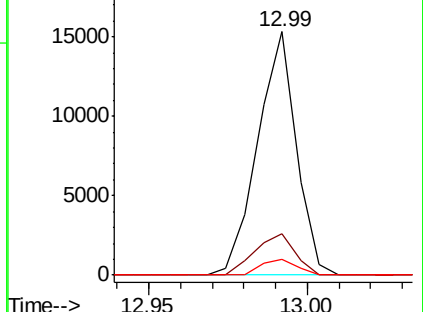
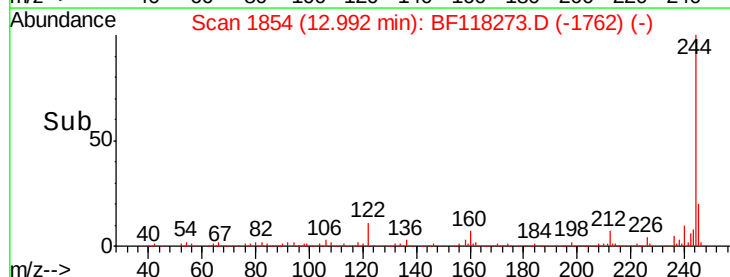
183 6.5 9.9 14.9#

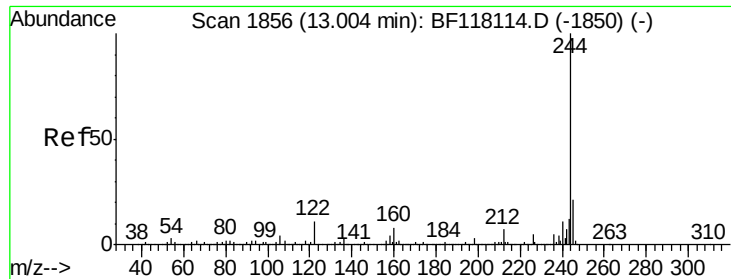


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 71.843 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118273.D

Acq: 18 Dec 2019 21:54

Instrument :

BNA_F

ClientSampled :

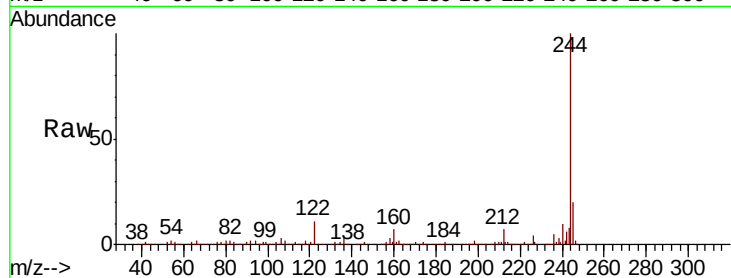
Tot Ion:244 Resp: 976831

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

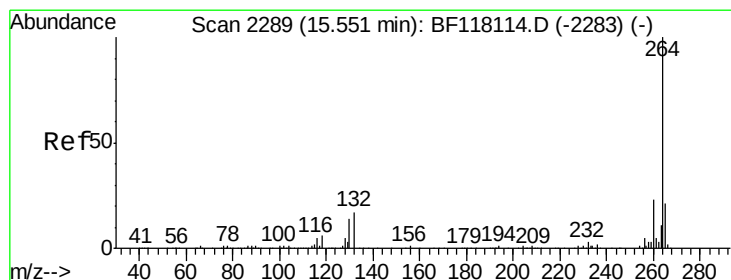
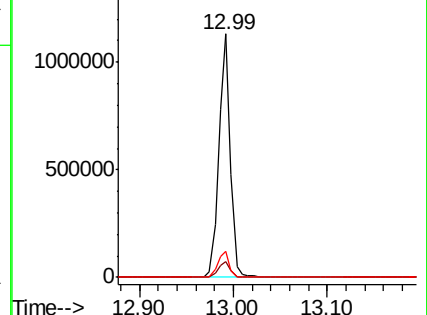
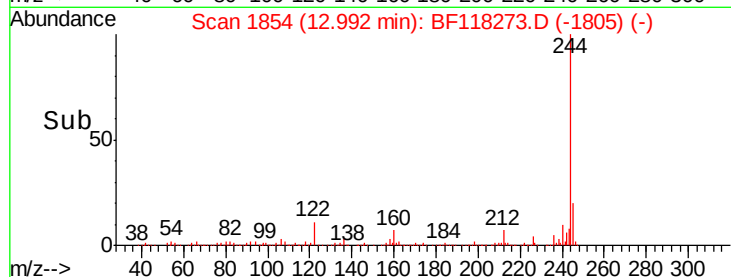
122 10.9 9.0 13.6



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

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF118273.D

Acq: 18 Dec 2019 21:54

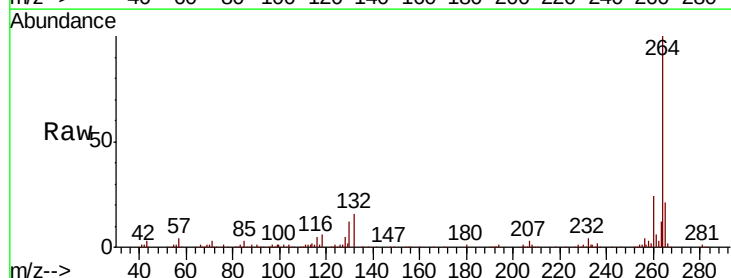
Tgt Ion:264 Resp: 240084

Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

265 20.6 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

