

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116957.D
 Acq On : 11 Sep 2019 20:14
 Operator : HP/JU
 Sample : K4786-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:04:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

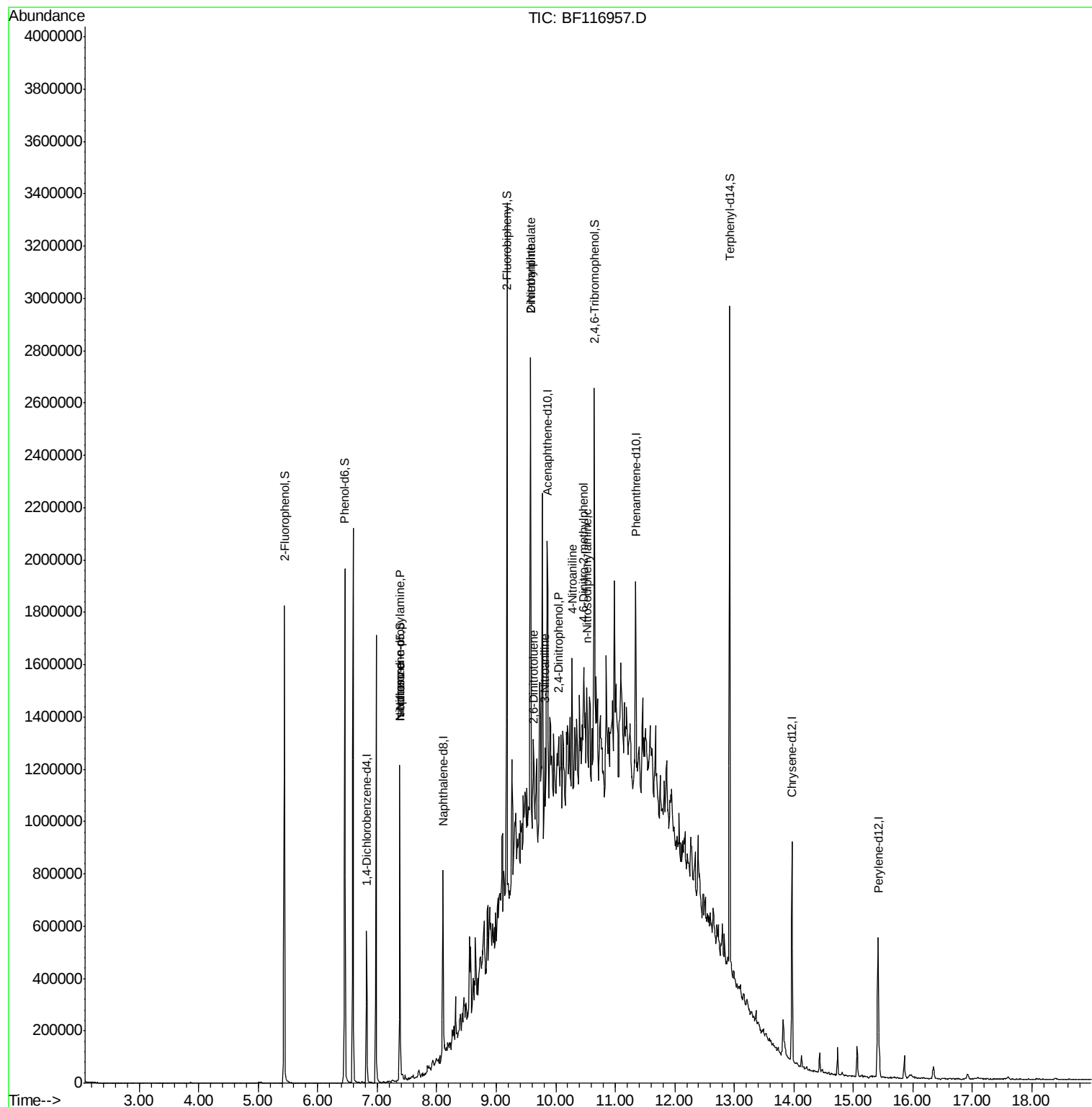
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	80954	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	315582	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	163943	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	279884	20.00	ng	0.00
76) Chrysene-d12	13.97	240	251251	20.00	ng	-0.02
87) Perylene-d12	15.42	264	252295	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	520194	104.10	ng	-0.01
7) Phenol-d6	6.46	99	725816	110.62	ng	-0.02
23) Nitrobenzene-d5	7.38	82	459764	83.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	155653	142.02	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	738208	75.96	ng	-0.01
79) Terphenyl-d14	12.92	244	831832	61.25	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	61782	14.300	ng	# 72
25) Isophorone	7.38	82	459628	41.032	ng	# 67
48) 2-Nitroaniline	9.57	65	9842	3.455	ng	95
50) Dimethylphthalate	9.57	163	154327	13.635	ng	# 92
51) 2,6-Dinitrotoluene	9.64	165	4816	2.230	ng	# 35
53) 3-Nitroaniline	9.82	138	7003	2.588	ng	# 19
54) 2,4-Dinitrophenol	10.04	184	129	9.190	ng	# 1
62) 4-Nitroaniline	10.27	138	5801	2.209	ng	93
65) 4,6-Dinitro-2-methylphenol	10.47	198	1442	8.633	ng	# 1
66) n-Nitrosodiphenylamine	10.52	169	94437	9.754	ng	# 48

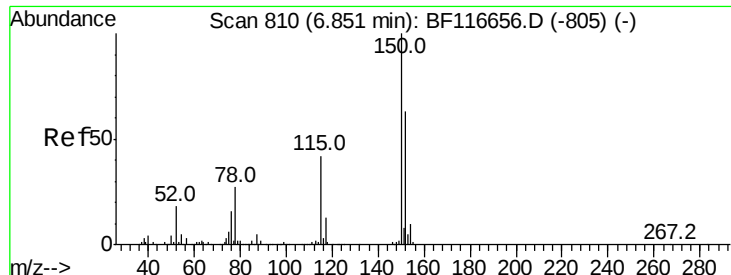
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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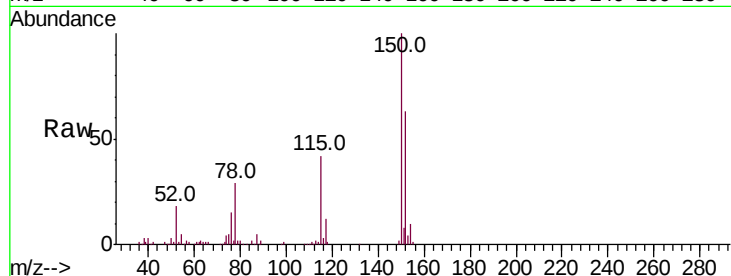


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116957.D
Acq: 11 Sep 2019 20:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.4	186.6
115	66.7	49.9	74.9

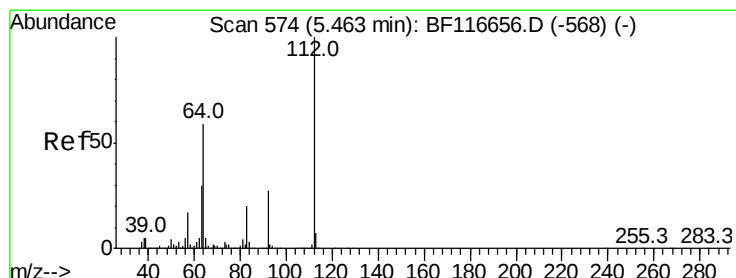
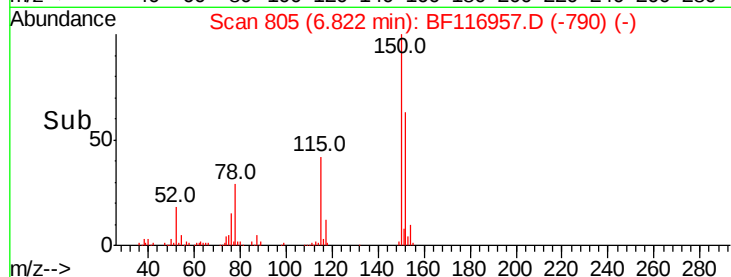
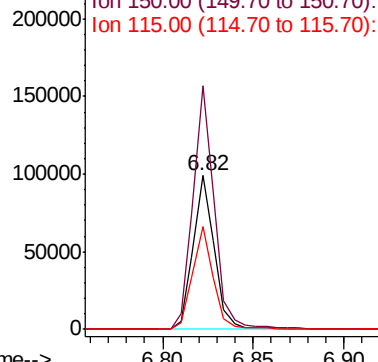


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

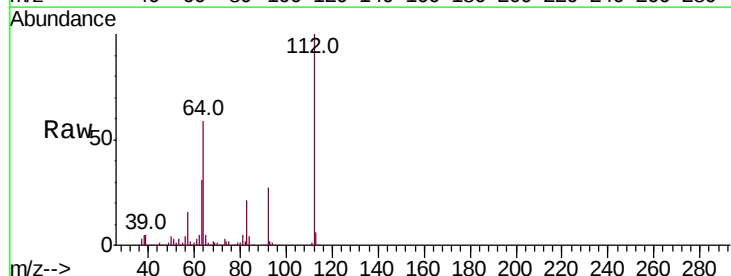
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.102 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF116957.D
Acq: 11 Sep 2019 20:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.1	70.7
63	31.4	24.9	37.3

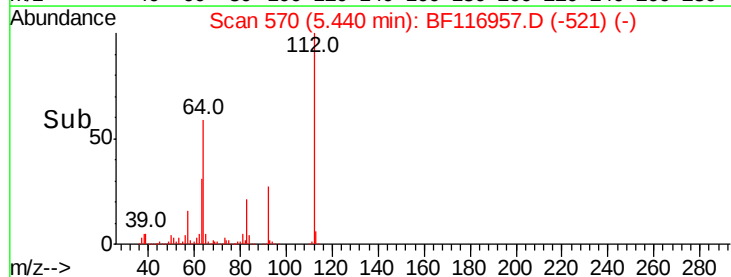
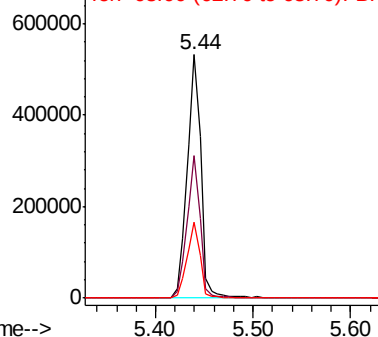


Abundance

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: 110.616 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116957.D

Acq: 11 Sep 2019 20:14

Instrument :

BNA_F

ClientSampleId :

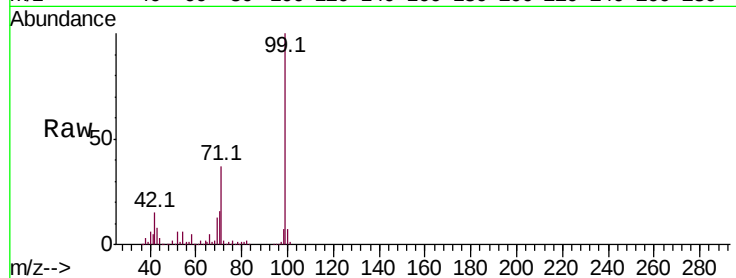
Tot Ion: 99 Resp: 725816

Ion Ratio Lower Upper

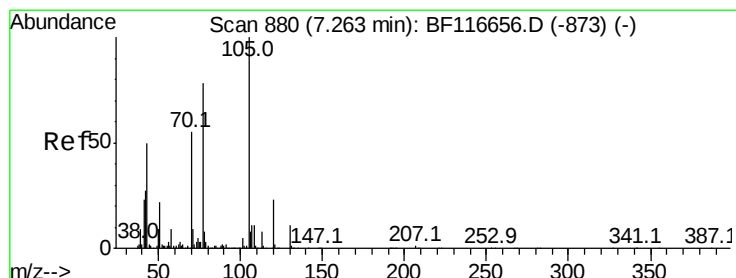
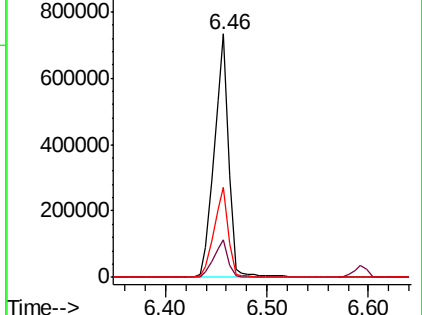
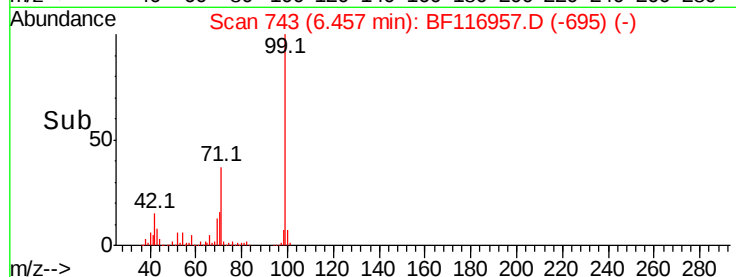
99 100

42 15.5 13.7 20.5

71 37.2 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.300 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF116957.D

Acq: 11 Sep 2019 20:14

Tgt Ion: 70 Resp: 61782

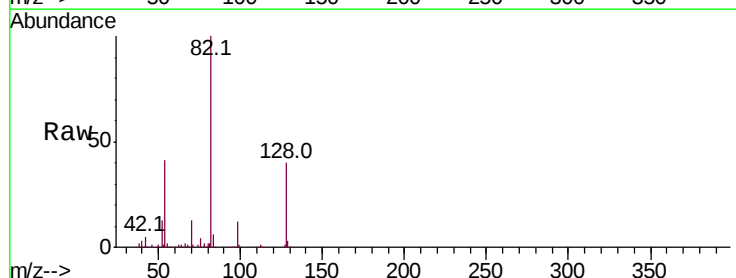
Ion Ratio Lower Upper

70 100

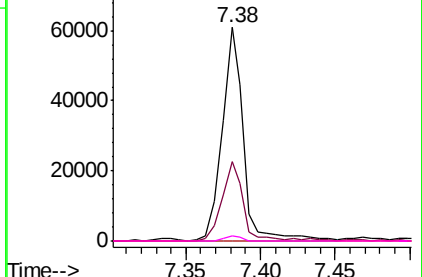
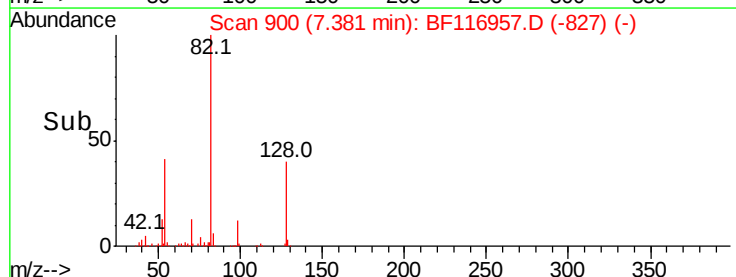
42 37.1 43.5 65.3#

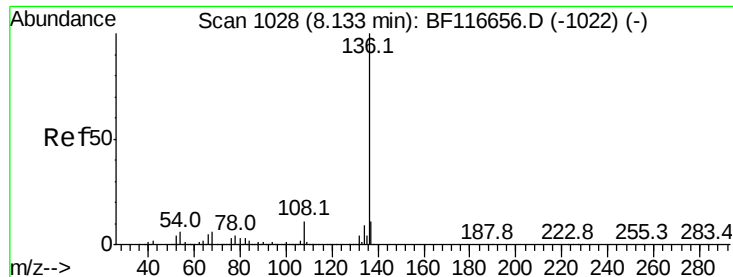
101 0.0 7.8 11.6#

130 2.3 16.6 24.8#



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

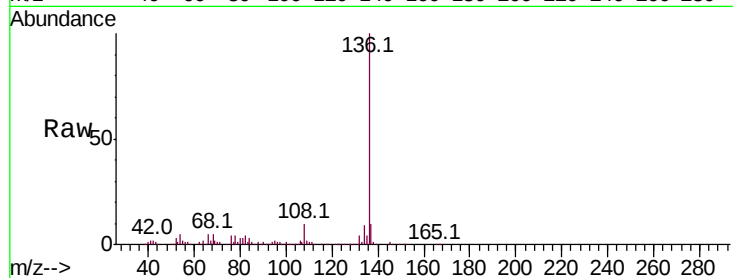




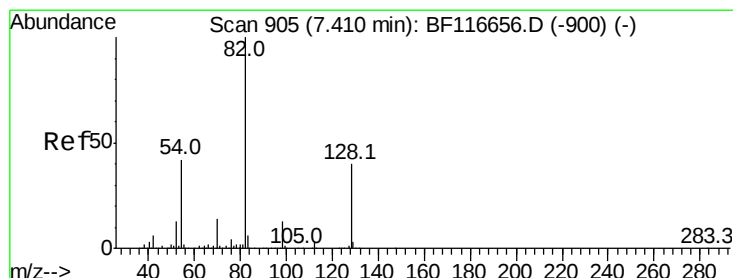
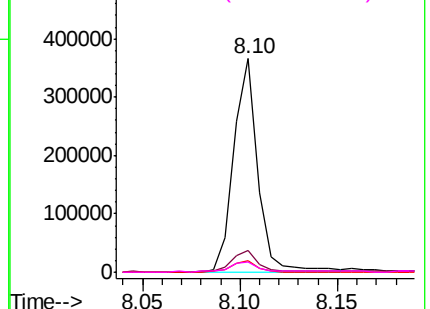
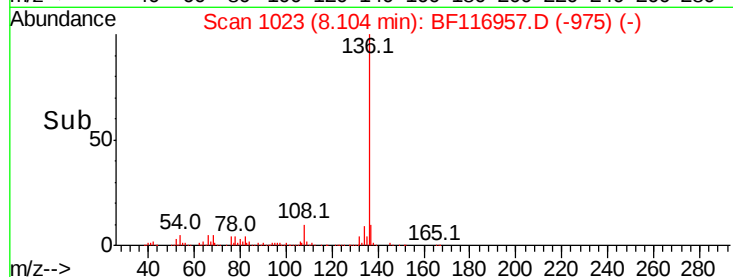
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF116957.D
Acq: 11 Sep 2019 20:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	315582
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.9	13.3
54 5.3	4.8	7.2
68 4.8	4.0	6.0

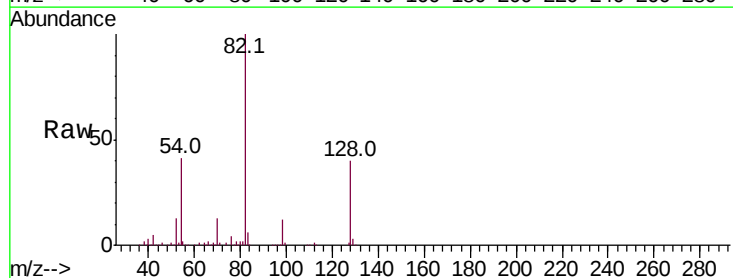


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

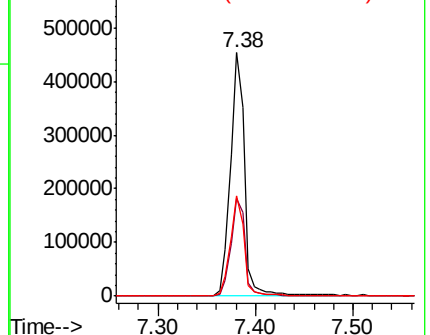
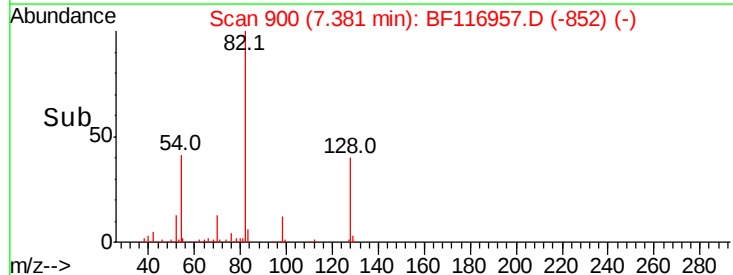


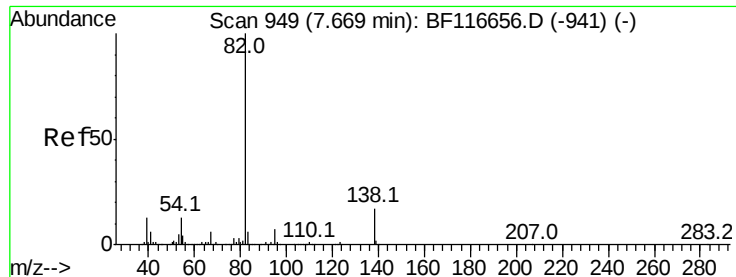
#23
Nitrobenzene-d5
Concen: 83.169 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF116957.D
Acq: 11 Sep 2019 20:14

Tgt Ion: 82	Resp:	459764
Ion Ratio	Lower	Upper
82 100		
128 40.3	32.8	49.2
54 41.3	36.9	55.3



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

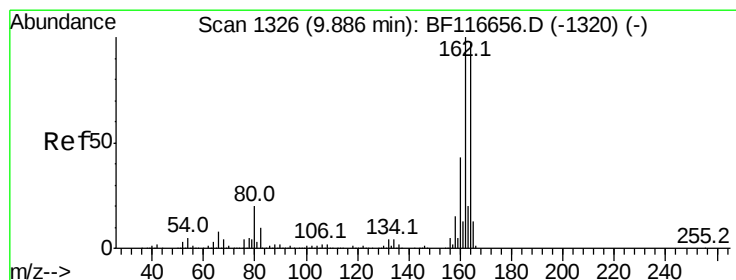
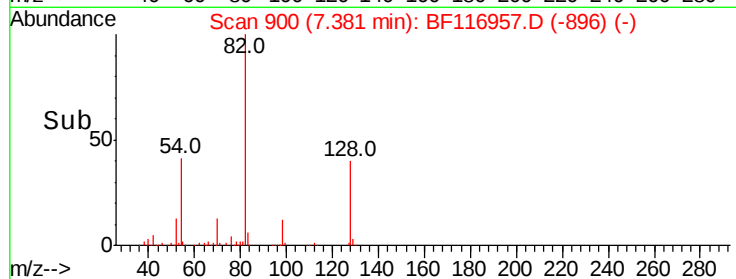
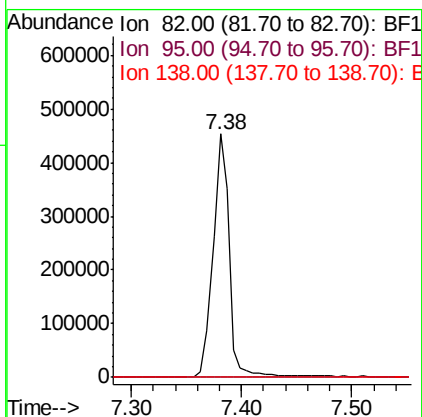
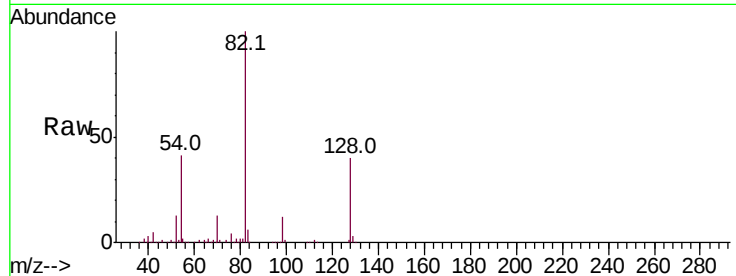




#25
Isophorone
Concen: 41.032 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.28 min
Lab File: BF116957.D
Acq: 11 Sep 2019 20:14

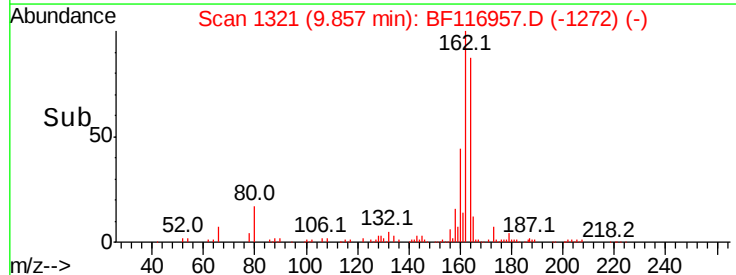
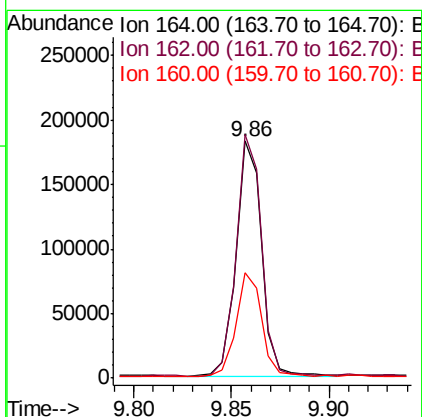
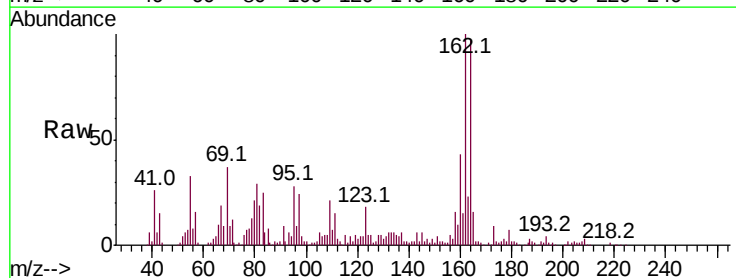
Instrument :
BNA_F
ClientSampleId :

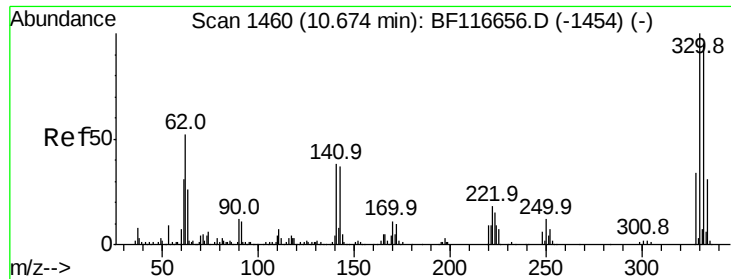
Tot Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.8	8.6#
138	0.0	13.5	20.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF116957.D
Acq: 11 Sep 2019 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.4	122.0
160	44.7	35.4	53.2

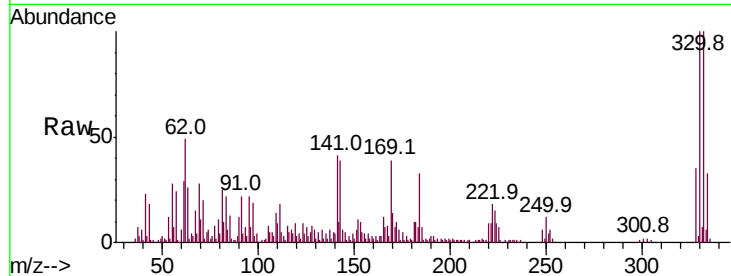




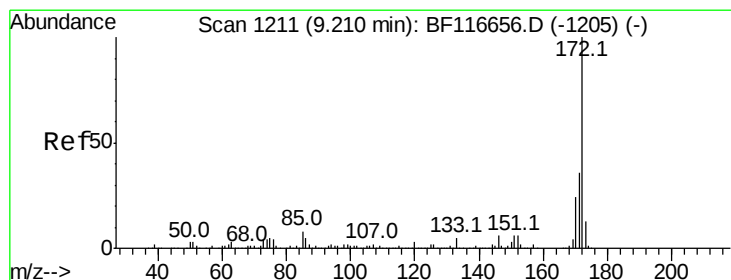
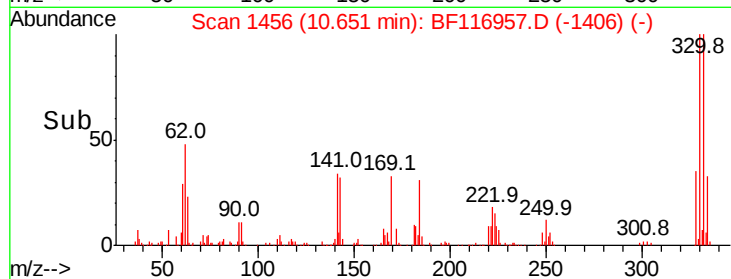
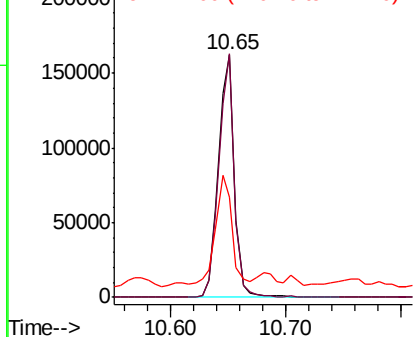
#42
 2,4,6-Tribromophenol
 Concen: 142.020 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF116957.D
 Acq: 11 Sep 2019 20:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	50.3	31.4	47.2#

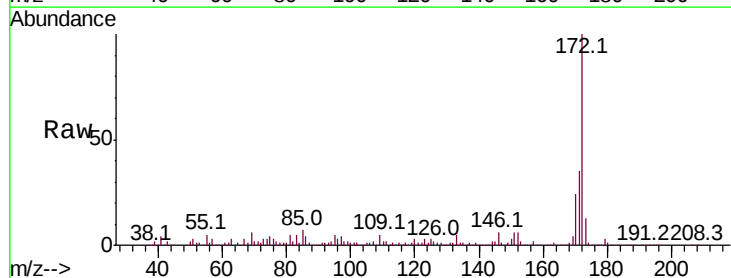


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

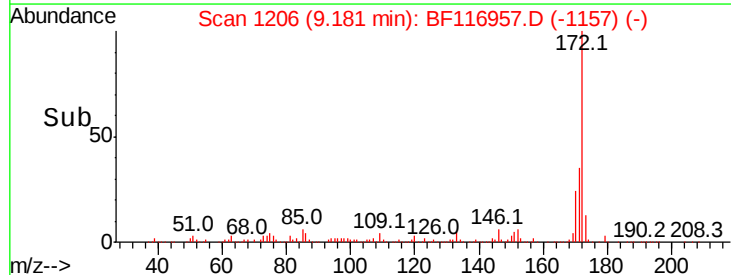
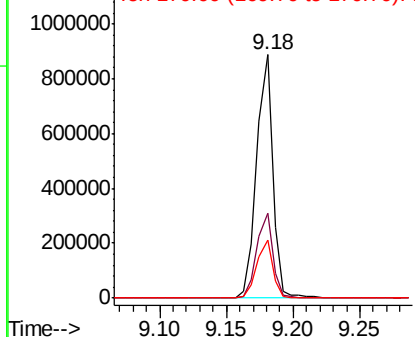


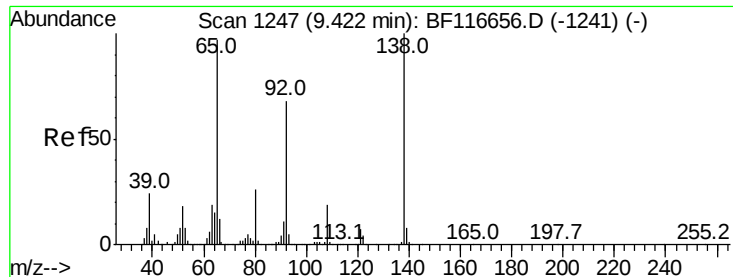
#45
 2-Fluorobiphenyl
 Concen: 75.958 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF116957.D
 Acq: 11 Sep 2019 20:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.9	18.9	28.3



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

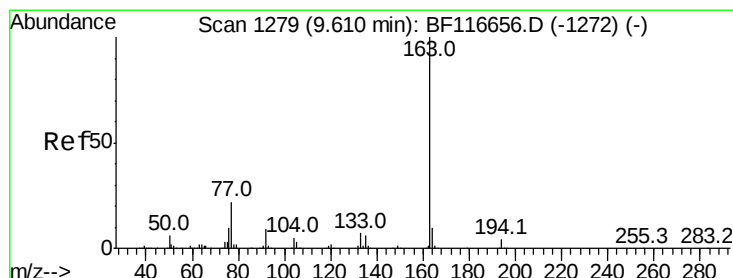
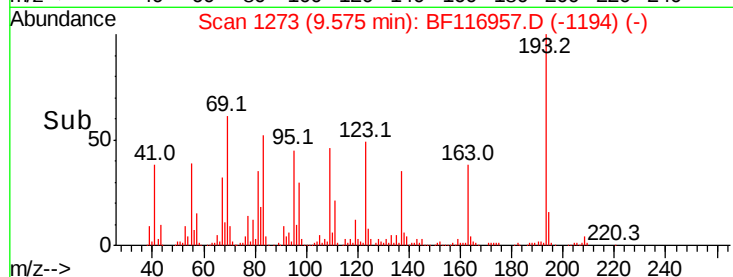
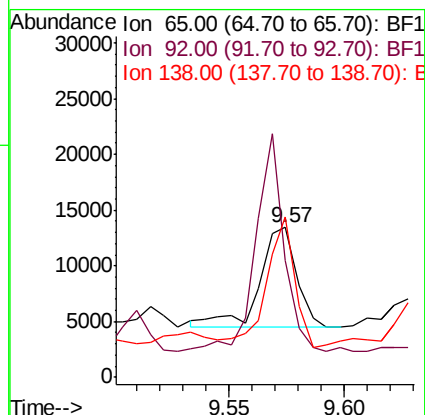
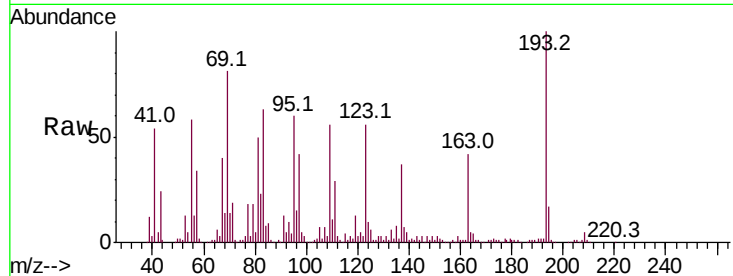




#48
2-Nitroaniline
Concen: 3.455 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.16 min
Lab File: BF116957.D
Acq: 11 Sep 2019 20:14

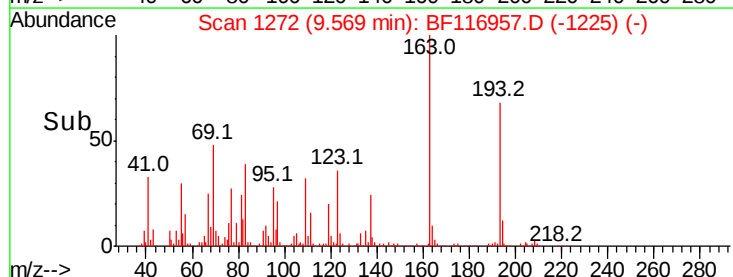
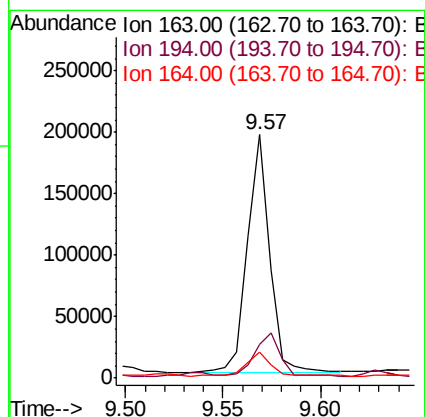
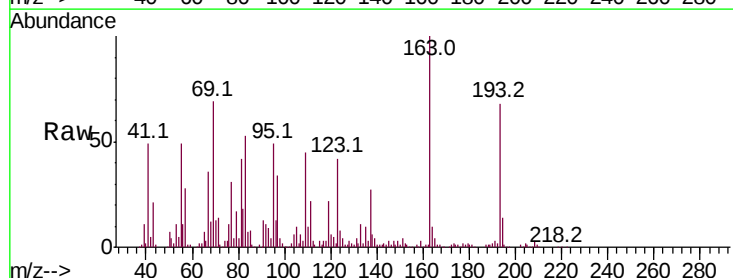
Instrument :
BNA_F
ClientSampled :

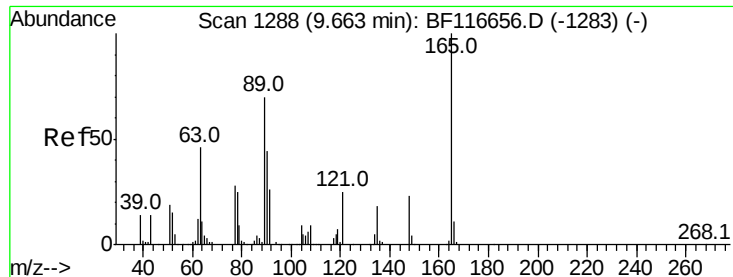
Tot Ion: 65 Resp: 9842
Ion Ratio Lower Upper
65 100
92 78.2 57.1 85.7
138 107.2 88.2 132.2



#50
Dimethylphthalate
Concen: 13.635 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF116957.D
Acq: 11 Sep 2019 20:14

Tgt Ion:163 Resp: 154327
Ion Ratio Lower Upper
163 100
194 14.1 2.8 4.2#
164 10.4 8.6 12.8

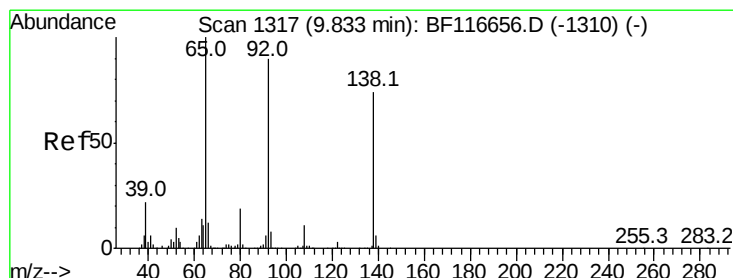
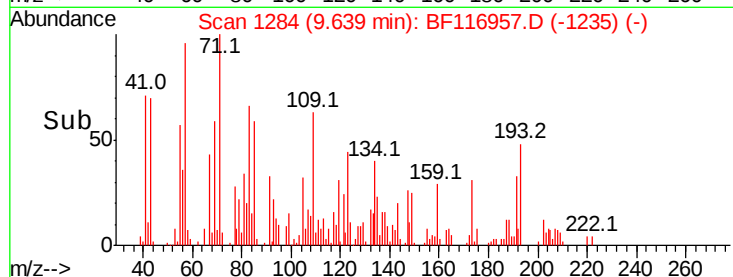
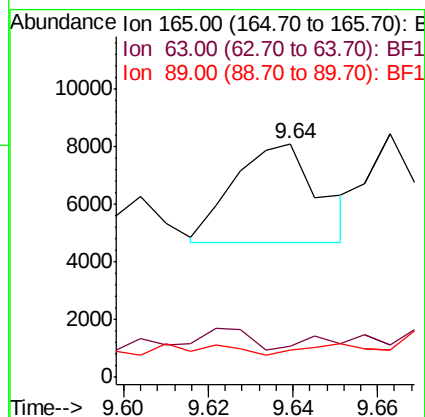
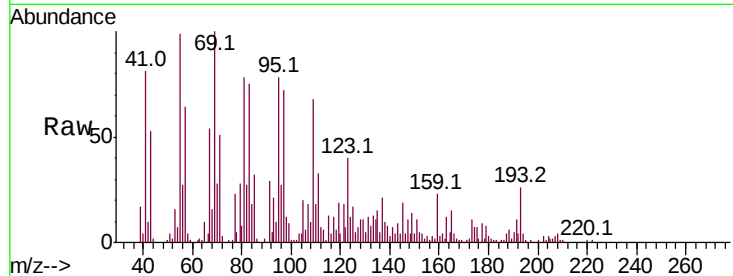




#51
 2,6-Dinitrotoluene
 Concen: 2.230 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF116957.D
 Acq: 11 Sep 2019 20:14

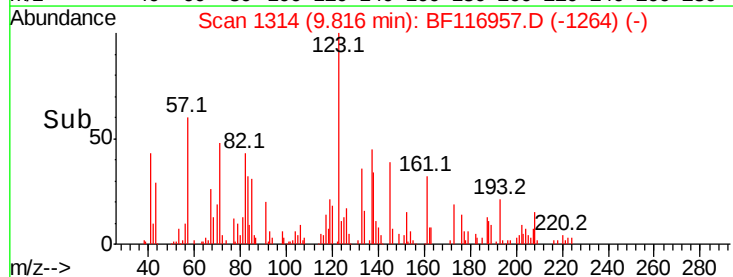
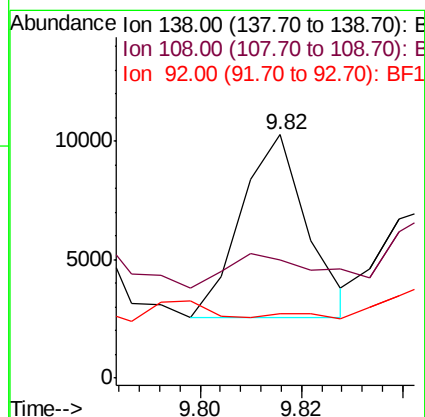
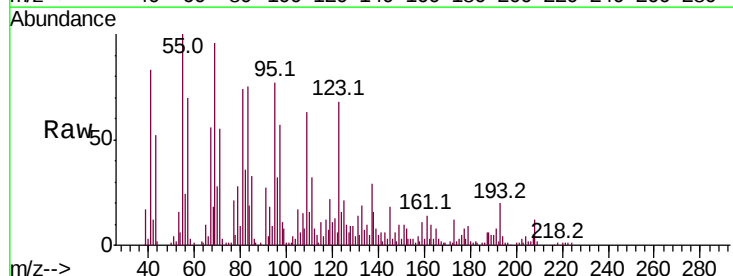
Instrument :
 BNA_F
 ClientSampled :

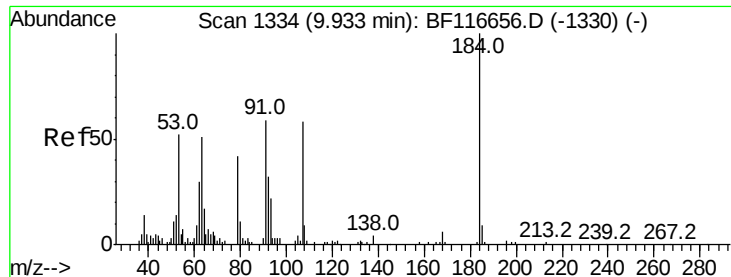
Tot Ion:165 Resp: 4816
 Ion Ratio Lower Upper
 165 100
 63 13.1 47.3 70.9#
 89 11.8 52.5 78.7#



#53
 3-Nitroaniline
 Concen: 2.588 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF116957.D
 Acq: 11 Sep 2019 20:14

Tgt Ion:138 Resp: 7003
 Ion Ratio Lower Upper
 138 100
 108 48.6 8.5 12.7#
 92 26.3 87.2 130.8#

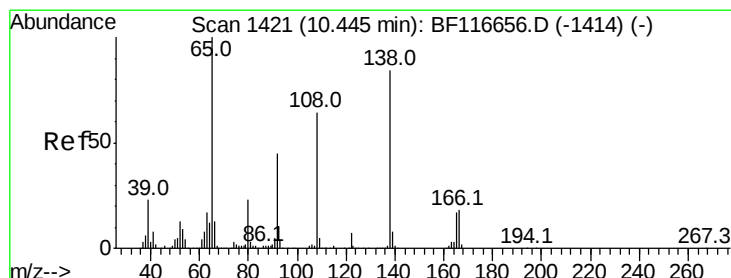
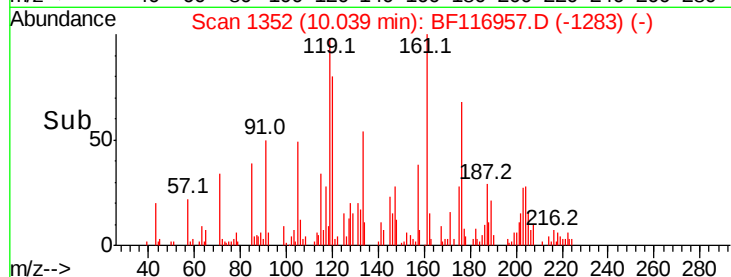
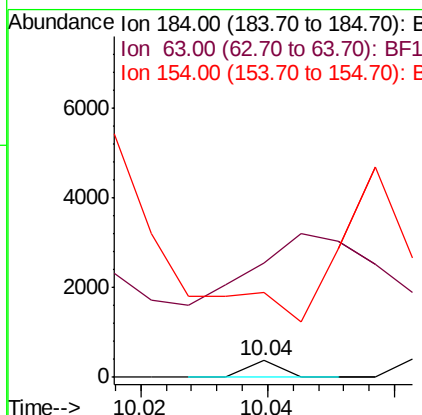
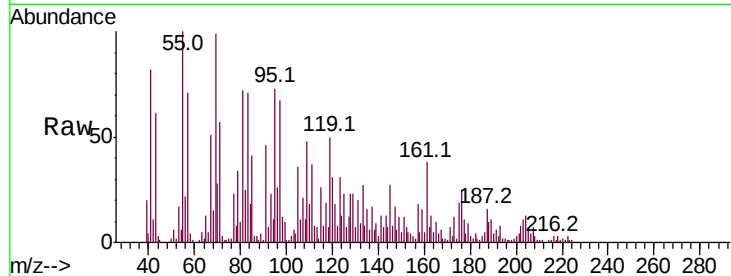




#54
2,4-Dinitrophenol
Concen: 9.190 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.11 min
Lab File: BF116957.D
Acq: 11 Sep 2019 20:14

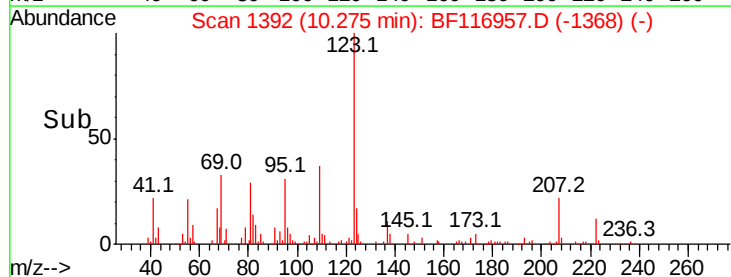
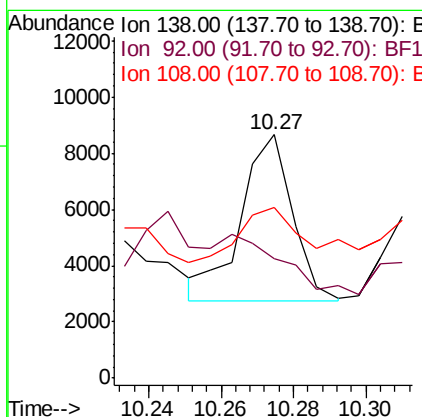
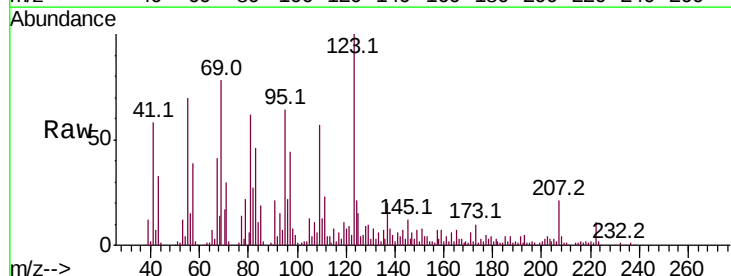
Instrument :
BNA_F
ClientSampled :

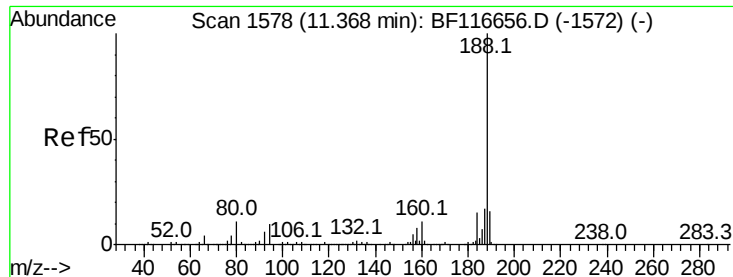
Tot Ion:184 Resp: 129
Ion Ratio Lower Upper
184 100
63 695.1 52.2 78.2#
154 518.9 60.8 91.2#



#62
4-Nitroaniline
Concen: 2.209 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.16 min
Lab File: BF116957.D
Acq: 11 Sep 2019 20:14

Tgt Ion:138 Resp: 5801
Ion Ratio Lower Upper
138 100
92 48.9 28.7 68.7
108 70.3 60.4 100.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF116957.D

Acq: 11 Sep 2019 20:14

Instrument :

BNA_F

ClientSampleId :

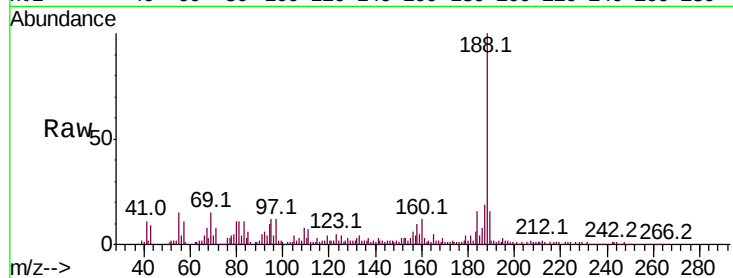
Tot Ion:188 Resp: 279884

Ion Ratio Lower Upper

188 100

94 9.8 7.3 10.9

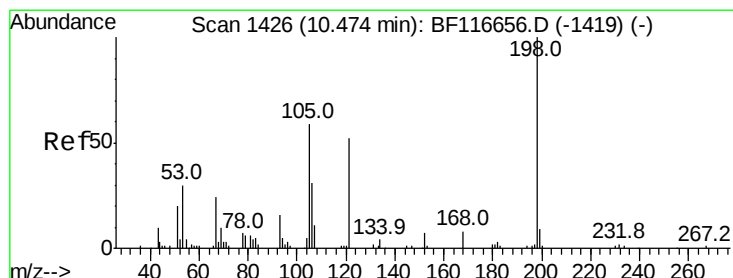
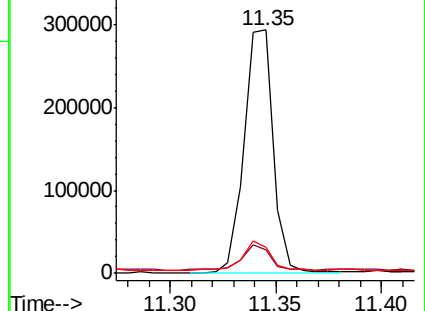
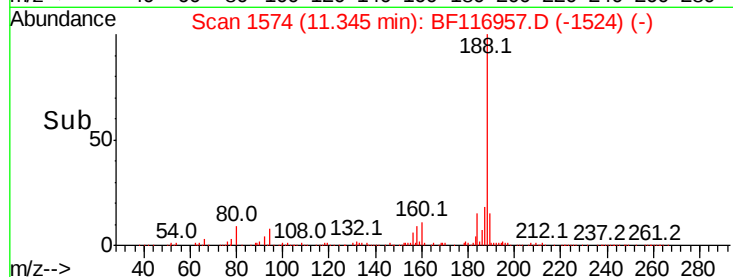
80 10.9 8.4 12.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.633 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.00 min

Lab File: BF116957.D

Acq: 11 Sep 2019 20:14

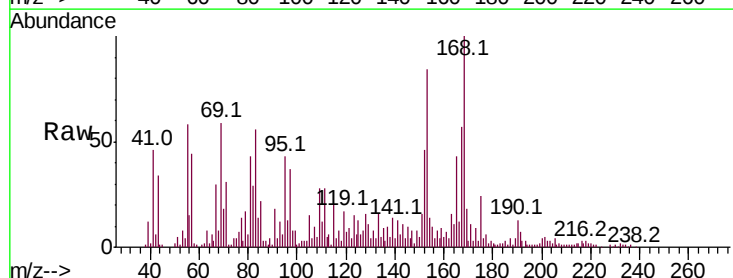
Tgt Ion:198 Resp: 1442

Ion Ratio Lower Upper

198 100

51 428.3 18.4 58.4#

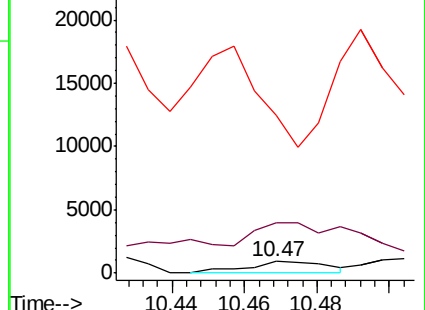
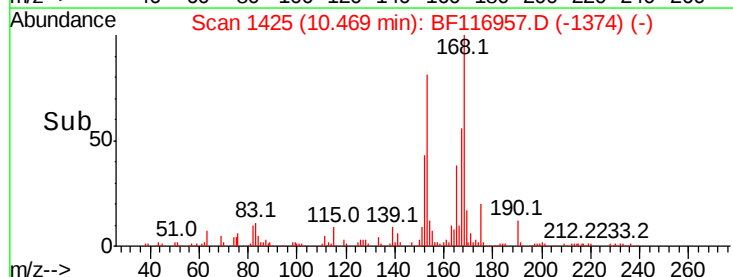
105 1344.6 22.9 62.9#

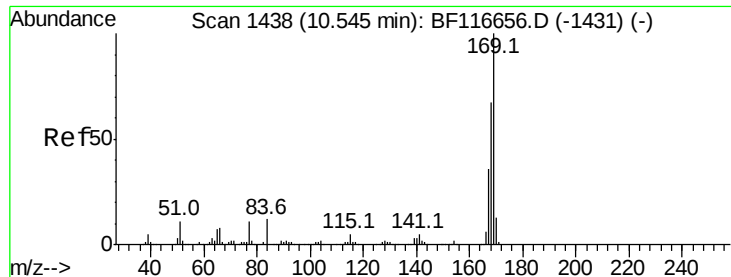


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#66

n-Nitrosodiphenylamine

Concen: 9.754 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF116957.D

Acq: 11 Sep 2019 20:14

Instrument :

BNA_F

ClientSampleId :

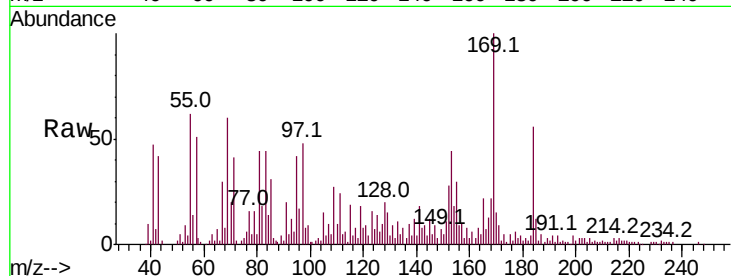
Tot Ion:169 Resp: 94437

Ion Ratio Lower Upper

169 100

168 22.0 55.8 83.6#

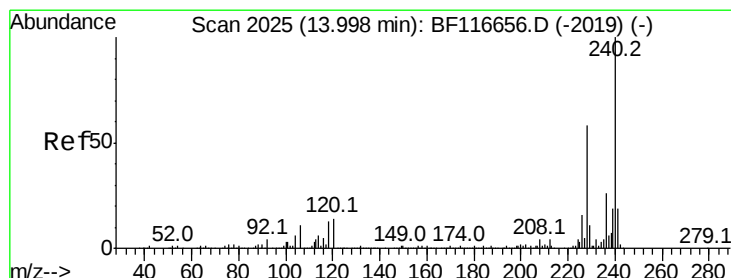
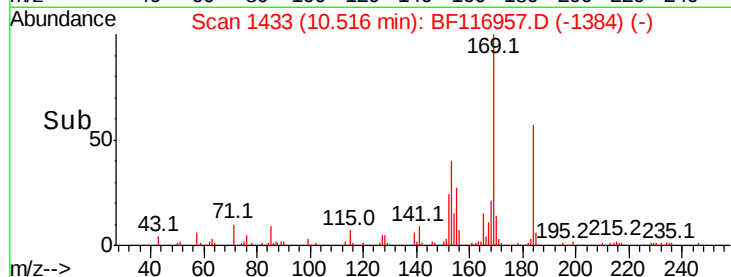
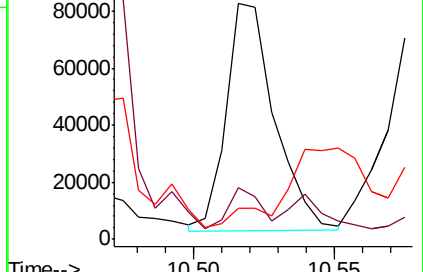
167 13.3 29.4 44.2#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF116957.D

Acq: 11 Sep 2019 20:14

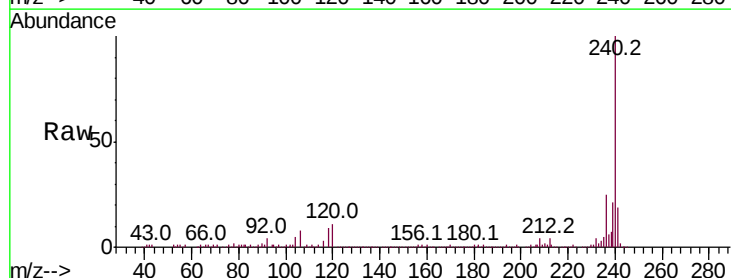
Tgt Ion:240 Resp: 251251

Ion Ratio Lower Upper

240 100

120 10.8 9.1 13.7

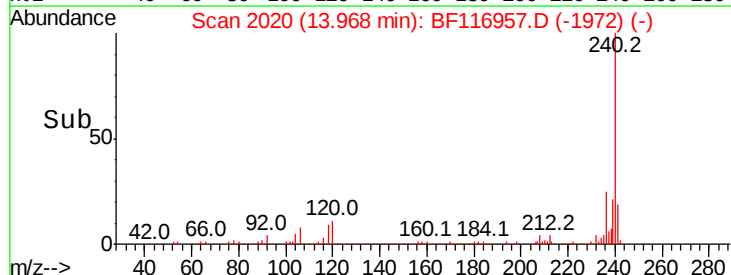
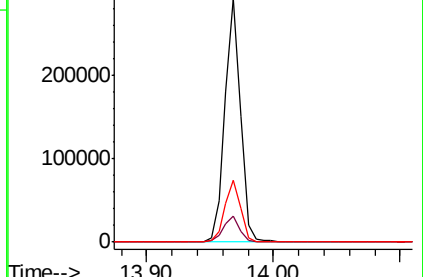
236 25.2 21.1 31.7

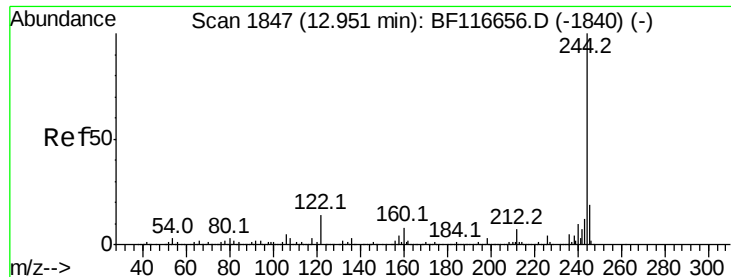


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 61.247 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF116957.D

Acq: 11 Sep 2019 20:14

Instrument :

BNA_F

ClientSampled :

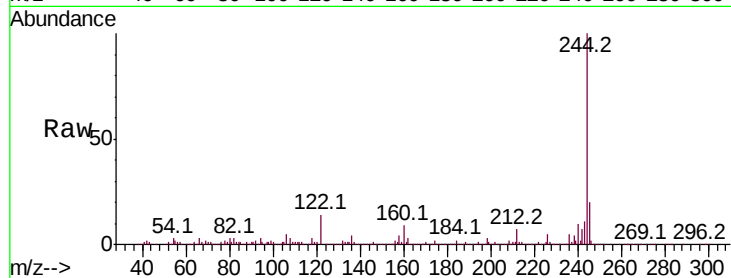
Tot Ion:244 Resp: 831832

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

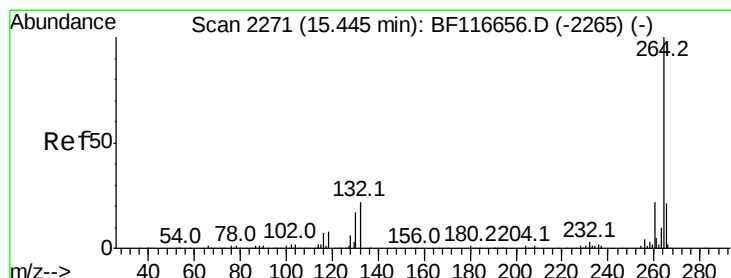
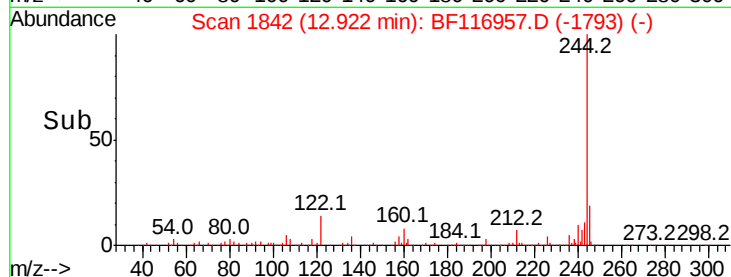
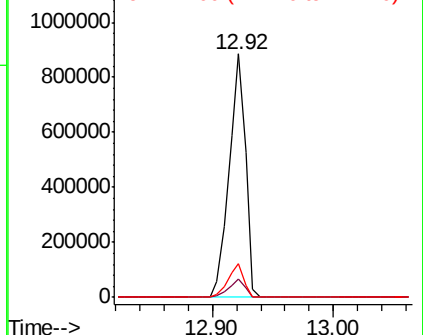
122 13.9 10.2 15.4



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: 15.42 min Scan# 2266

Delta R.T. -0.02 min

Lab File: BF116957.D

Acq: 11 Sep 2019 20:14

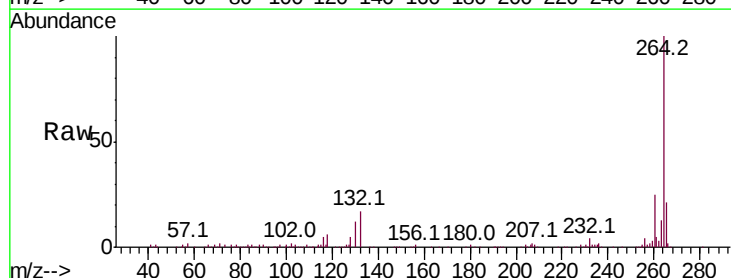
Tgt Ion:264 Resp: 252295

Ion Ratio Lower Upper

264 100

260 24.7 18.3 27.5

265 21.1 16.5 24.7



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

