

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119856.D
 Acq On : 9 Apr 2020 6:17
 Operator : MA/SJ
 Sample : L2171-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 09 06:50:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 01:21:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	200664	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	795996	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	431308	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	836511	20.00	ng	0.00
76) Chrysene-d12	13.93	240	619338	20.00	ng	0.00
87) Perylene-d12	15.37	264	523170	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	795697	68.53	ng	0.00
7) Phenol-d6	6.39	99	614075	41.04	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1578542	102.59	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	816037	154.53	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	2996603	98.64	ng	0.00
79) Terphenyl-d14	12.89	244	3403995	92.48	ng	0.00

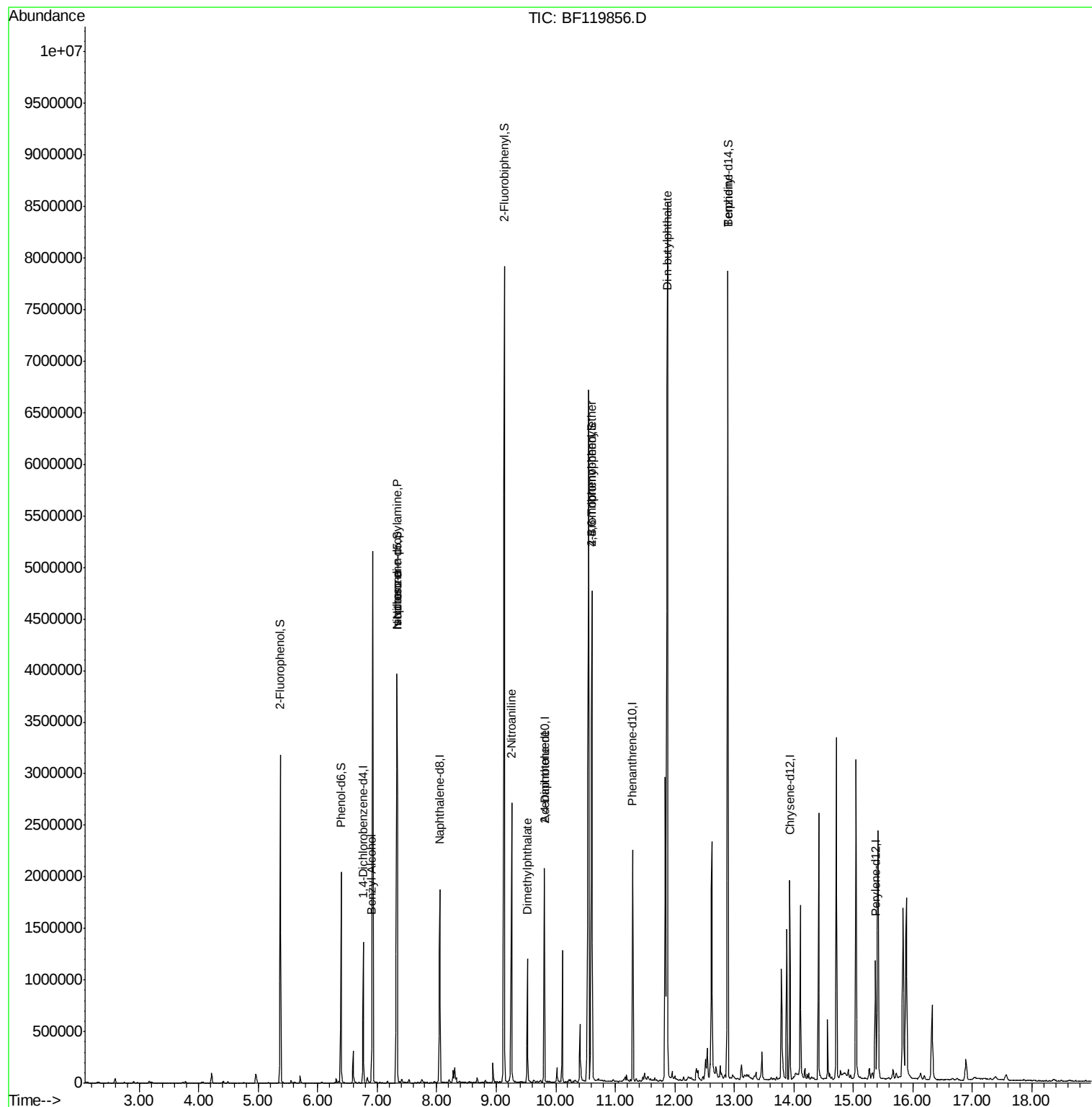
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.31	77	8117	Below Cal		93
15) Benzyl Alcohol	6.90	79	53531	4.606	ng	96
19) n-Nitroso-di-n-propylamine	7.33	70	213819	22.224	ng	# 75
25) Isophorone	7.33	82	1566368	52.810	ng	# 65
48) 2-Nitroaniline	9.26	65	30405	2.992	ng	# 16
50) Dimethylphthalate	9.53	163	479526	14.374	ng	99
57) 2,4-Dinitrotoluene	9.81	165	55712	5.788	ng	# 23
67) 4-Bromophenyl-phenylether	10.61	248	49003	4.711	ng	# 1
74) Di-n-butylphthalate	11.87	149	5784887	102.316	ng	96
77) Benzidine	12.89	184	42437	2.027	ng	# 91

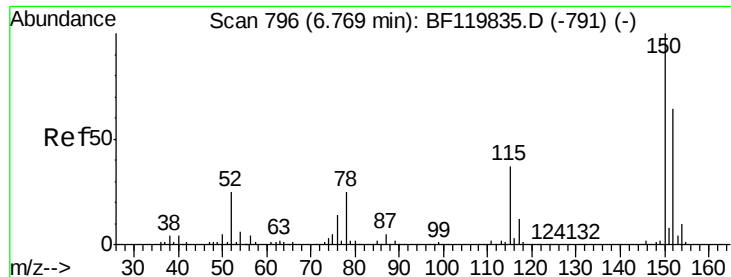
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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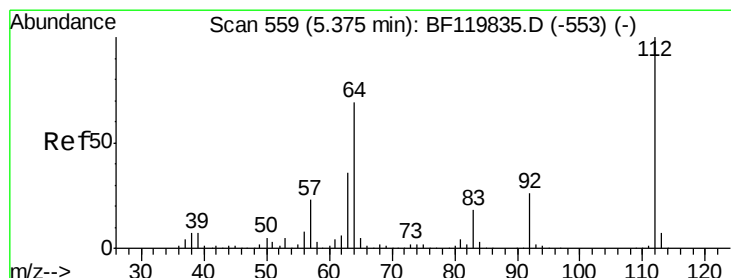
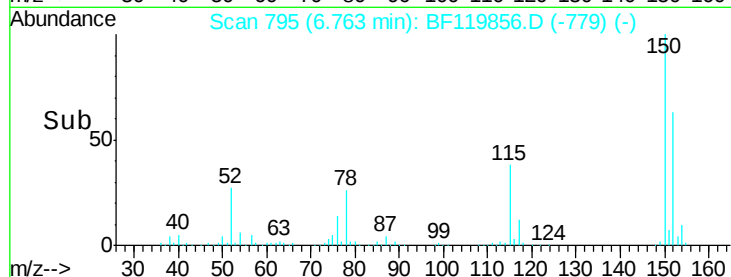
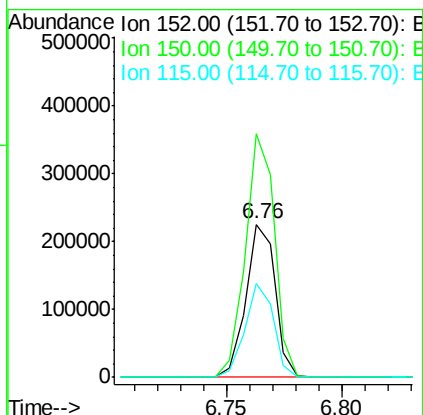
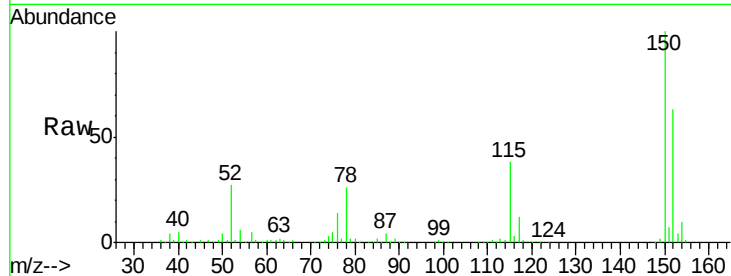


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF119856.D
Acq: 9 Apr 2020 6:17

Instrument :
BNA_F
ClientSampled :

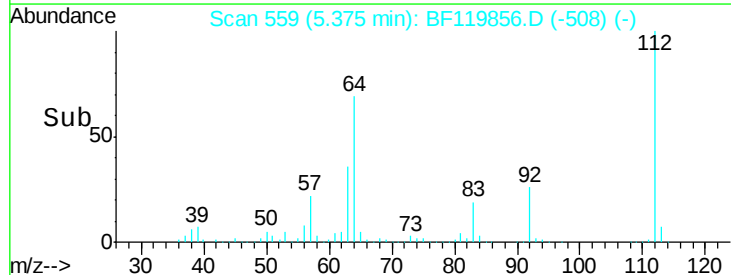
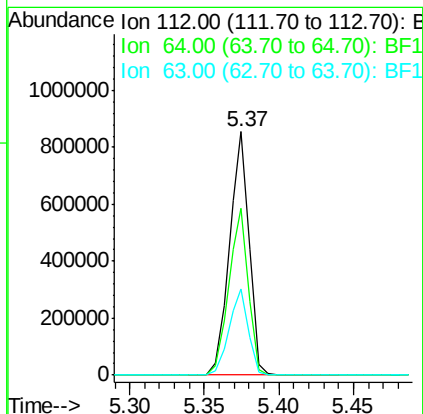
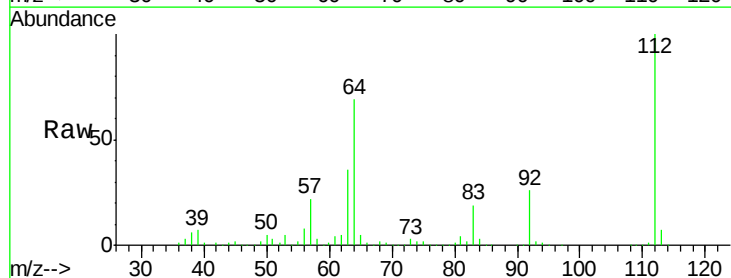
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.8	187.2
115	61.1	46.5	69.7

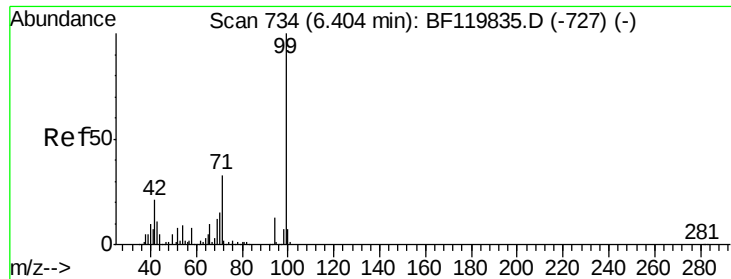


#5

2-Fluorophenol
Concen: 68.528 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.00 min
Lab File: BF119856.D
Acq: 9 Apr 2020 6:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	55.5	83.3
63	35.6	29.1	43.7





#7

Phenol-d6

Concen: 41.043 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119856.D

Acq: 9 Apr 2020 6:17

Instrument :

BNA_F

ClientSampled :

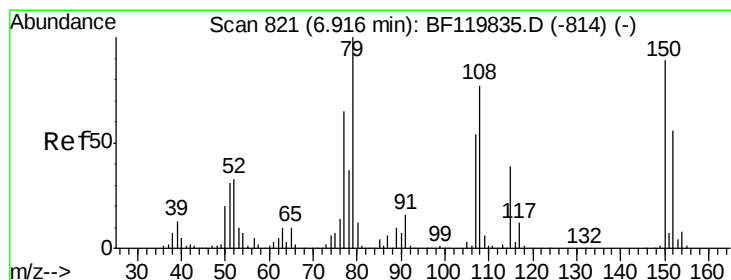
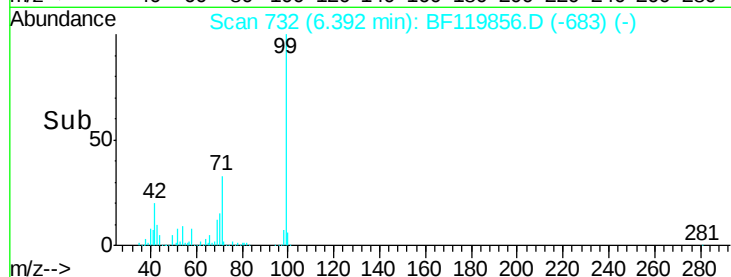
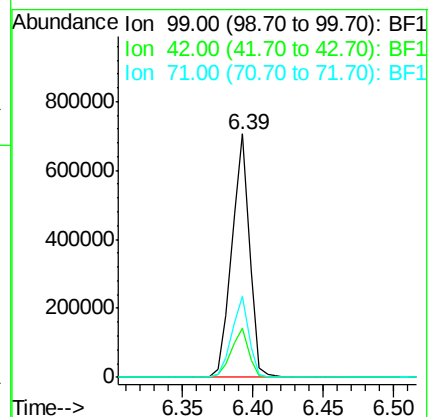
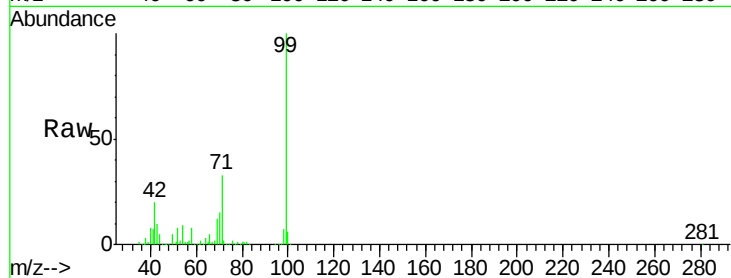
Tot Ion: 99 Resp: 614075

Ion Ratio Lower Upper

99 100

42 20.0 16.9 25.3

71 33.1 26.3 39.5



#15

Benzyl Alcohol

Concen: 4.606 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF119856.D

Acq: 9 Apr 2020 6:17

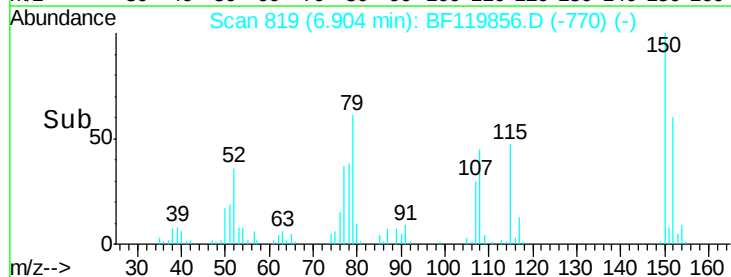
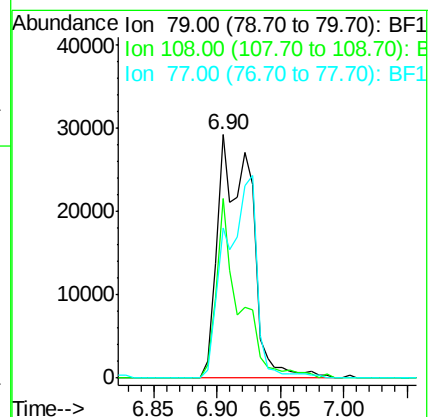
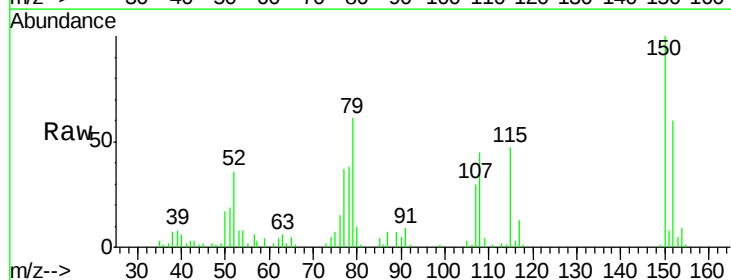
Tgt Ion: 79 Resp: 53531

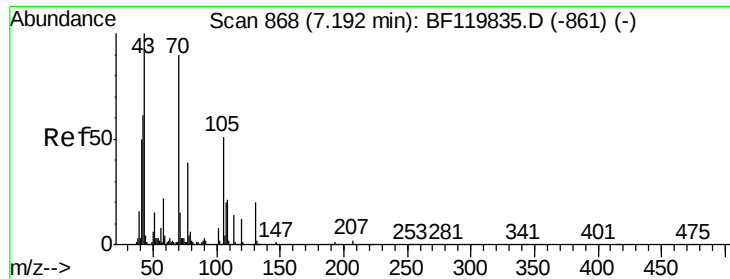
Ion Ratio Lower Upper

79 100

108 73.6 62.0 93.0

77 61.5 51.8 77.6

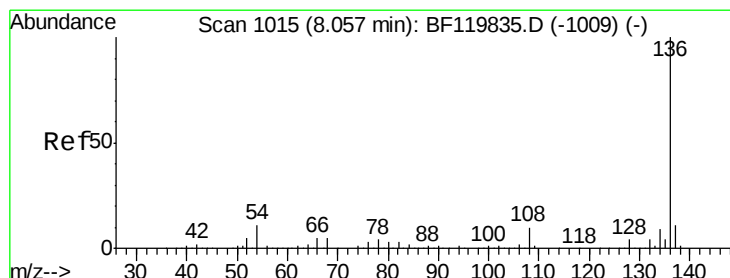
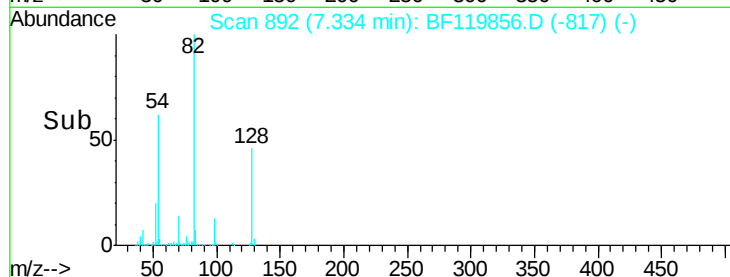
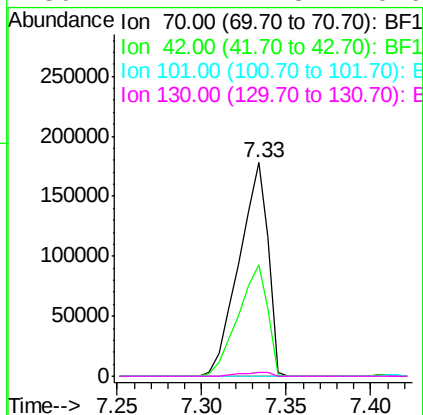
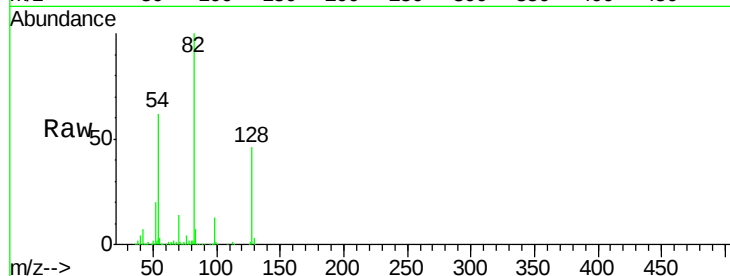




#19
 n-Nitroso-di-n-propylamine
 Concen: 22.224 ng
 RT: 7.33 min Scan# 892
 Delta R.T. 0.14 min
 Lab File: BF119856.D
 Acq: 9 Apr 2020 6:17

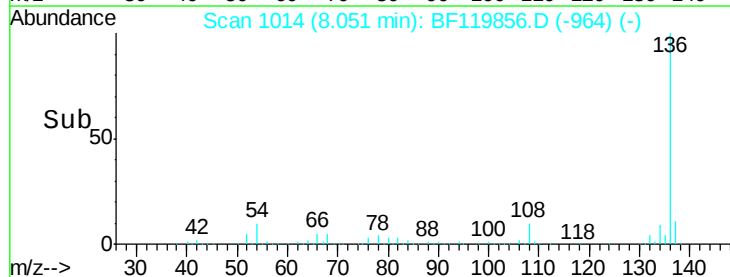
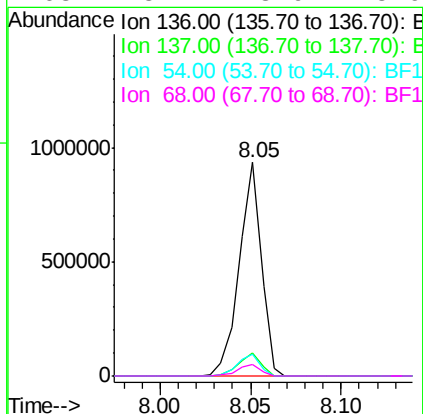
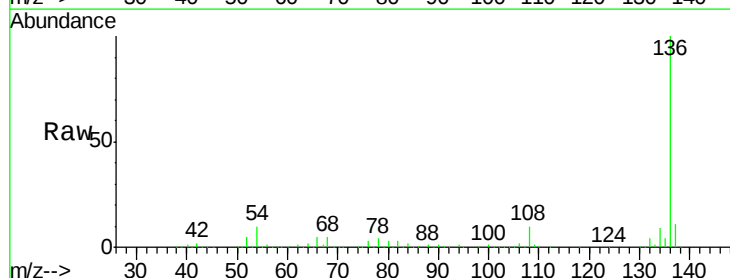
Instrument :
 BNA_F
 ClientSampleId :

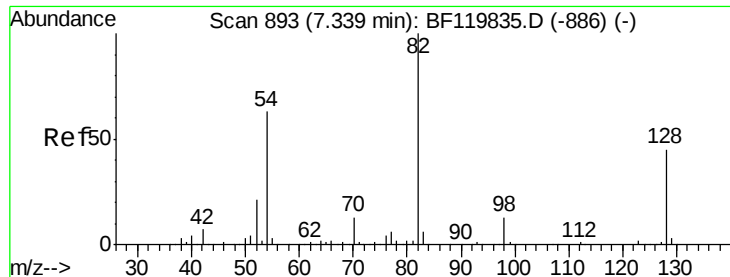
Tot Ion: 70 Resp: 213819
 Ion Ratio Lower Upper
 70 100
 42 51.9 54.2 81.4#
 101 0.0 7.4 11.2#
 130 2.1 17.8 26.6#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF119856.D
 Acq: 9 Apr 2020 6:17

Tgt Ion: 136 Resp: 795996
 Ion Ratio Lower Upper
 136 100
 137 10.7 8.7 13.1
 54 10.1 8.5 12.7
 68 5.4 3.9 5.9

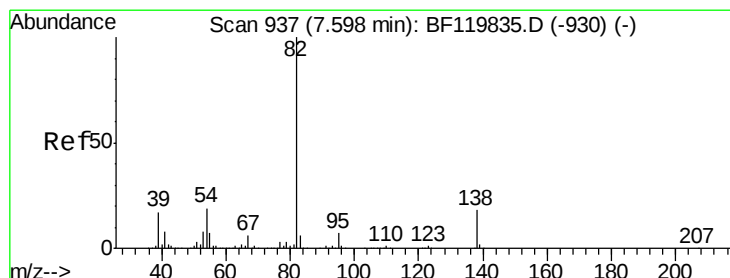
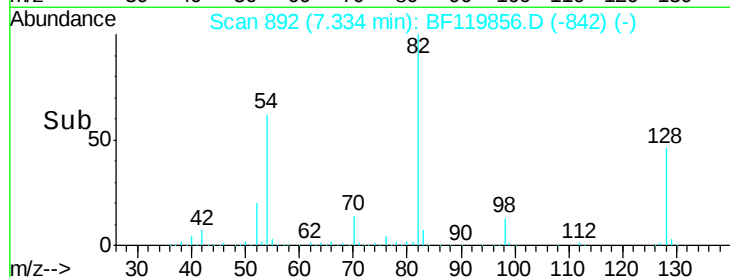
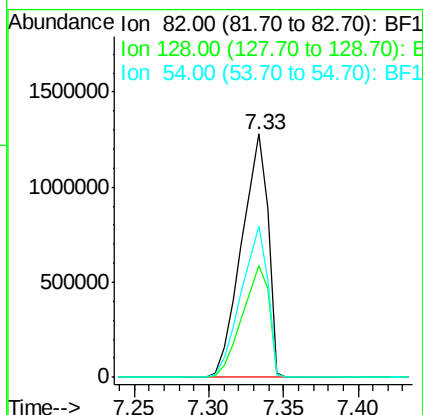
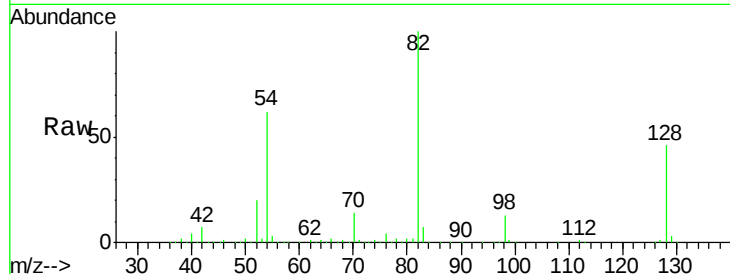




#23
Nitrobenzene-d5
Concen: 102.593 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF119856.D
Acq: 9 Apr 2020 6:17

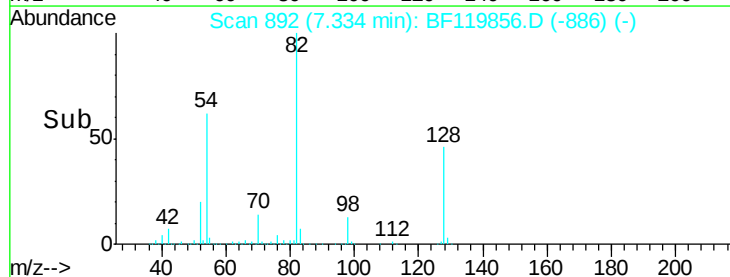
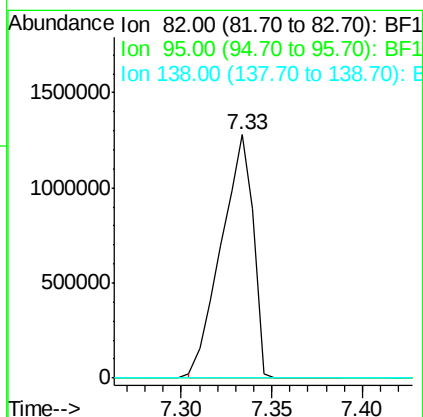
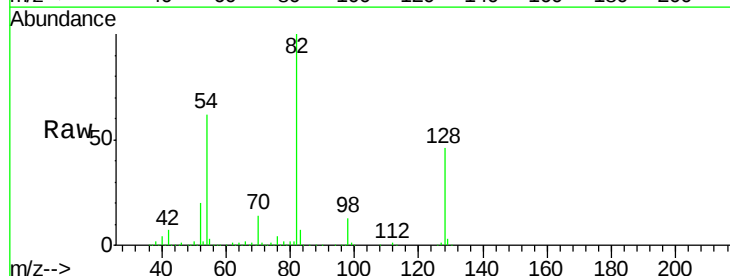
Instrument :
BNA_F
ClientSampleId :

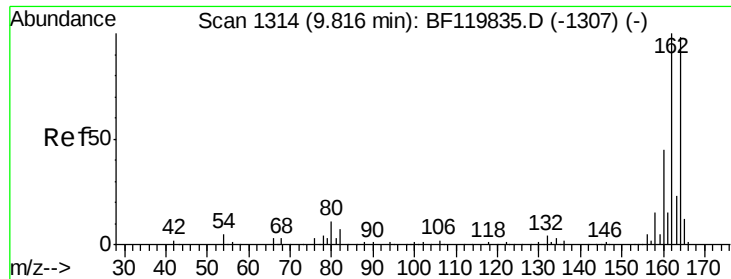
Tot Ion: 82 Resp: 1578542
Ion Ratio Lower Upper
82 100
128 45.8 36.2 54.4
54 62.1 50.4 75.6



#25
Isophorone
Concen: 52.810 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.26 min
Lab File: BF119856.D
Acq: 9 Apr 2020 6:17

Tgt Ion: 82 Resp: 1566368
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF119856.D

Acq: 9 Apr 2020 6:17

Instrument :

BNA_F

ClientSampleId :

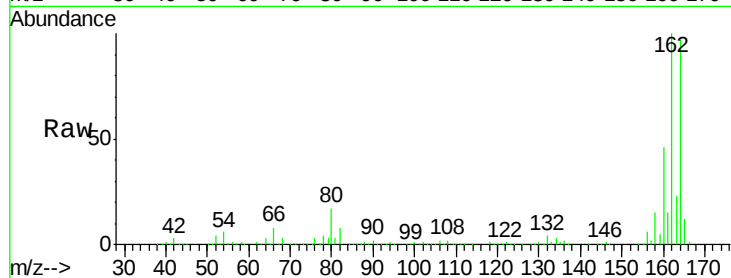
Tot Ion:164 Resp: 431308

Ion Ratio Lower Upper

164 100

162 103.6 81.9 122.9

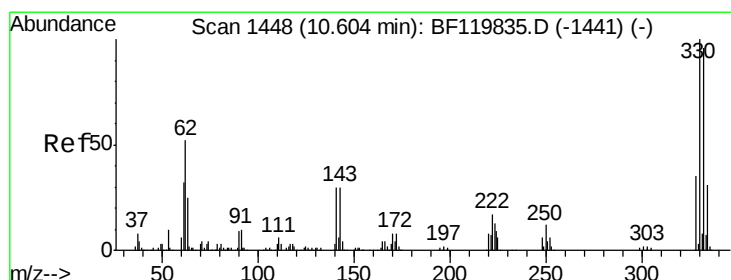
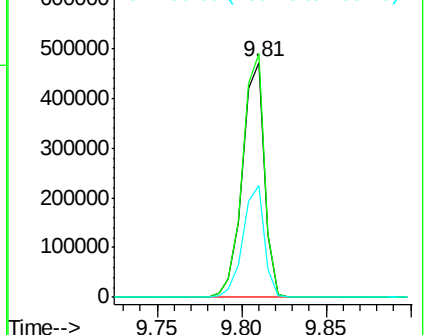
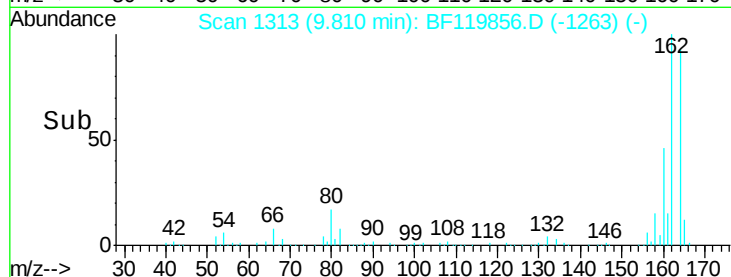
160 47.4 36.6 54.8



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: 154.533 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BF119856.D

Acq: 9 Apr 2020 6:17

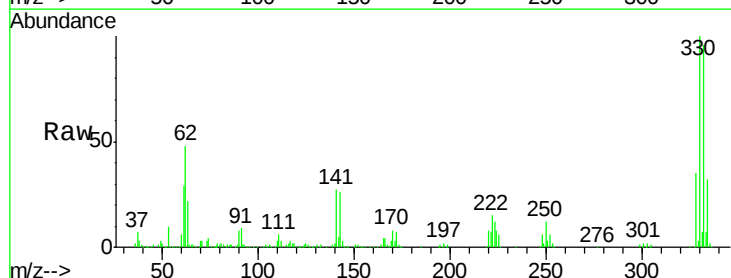
Tgt Ion:330 Resp: 816037

Ion Ratio Lower Upper

330 100

332 96.3 76.8 115.2

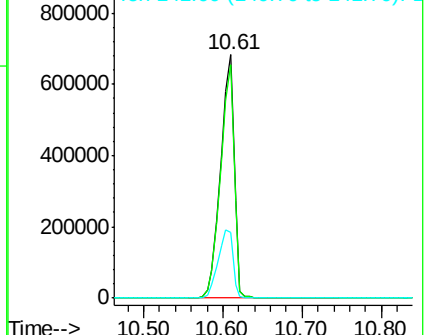
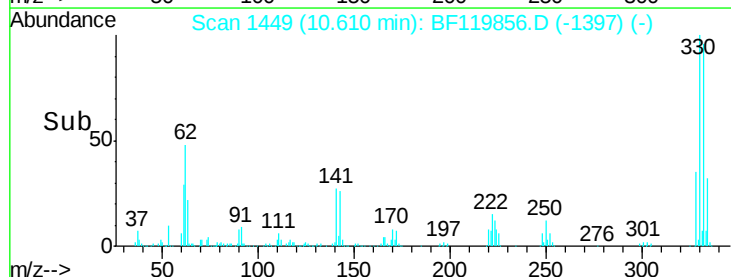
141 30.7 25.1 37.7

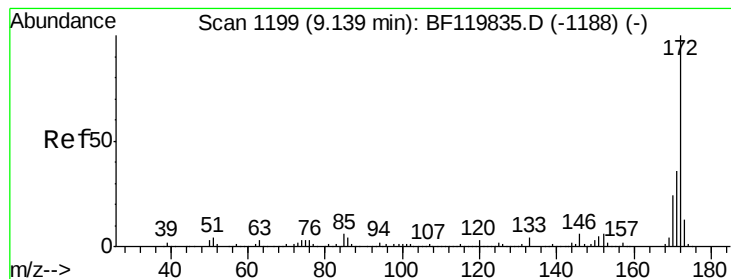


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 98.642 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF119856.D

Acq: 9 Apr 2020 6:17

Instrument :

BNA_F

ClientSampleId :

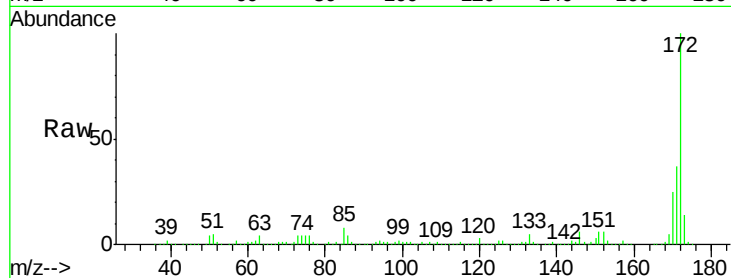
Tot Ion:172 Resp: 2996603

Ion Ratio Lower Upper

172 100

171 36.9 28.9 43.3

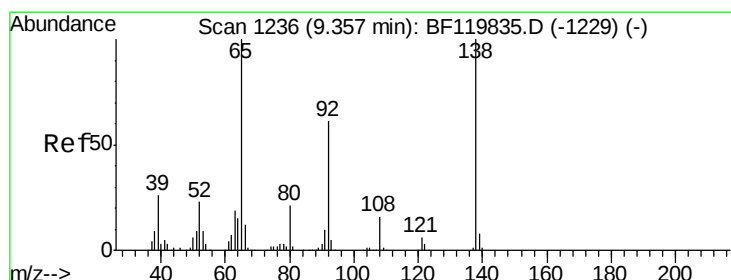
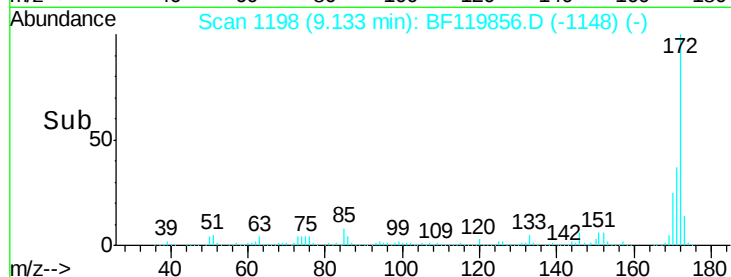
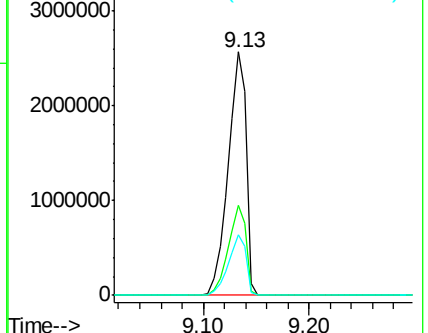
170 25.1 19.4 29.2



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



#48

2-Nitroaniline

Concen: 2.992 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.10 min

Lab File: BF119856.D

Acq: 9 Apr 2020 6:17

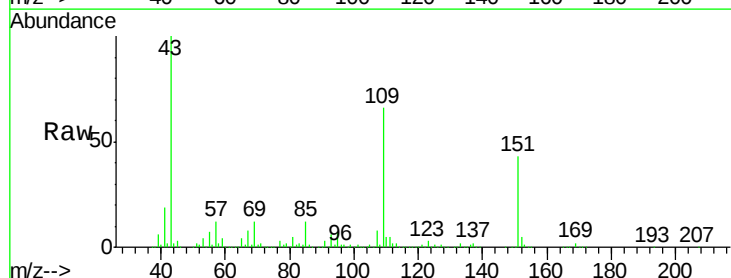
Tgt Ion: 65 Resp: 30405

Ion Ratio Lower Upper

65 100

92 11.8 49.0 73.6#

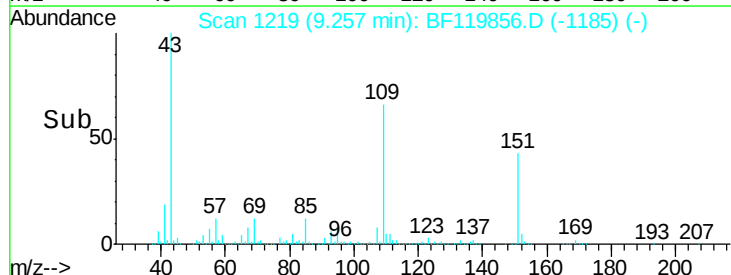
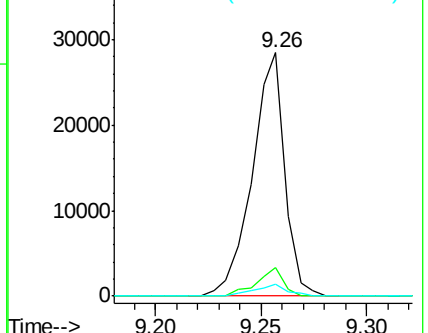
138 4.7 79.7 119.5#

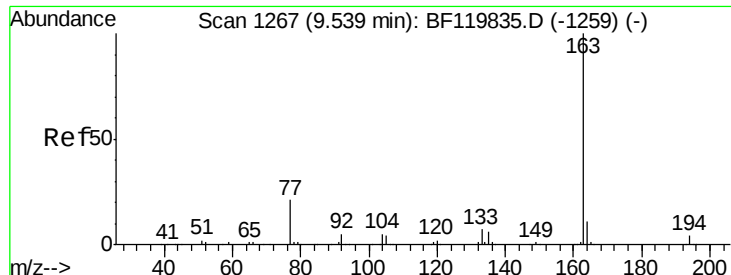


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

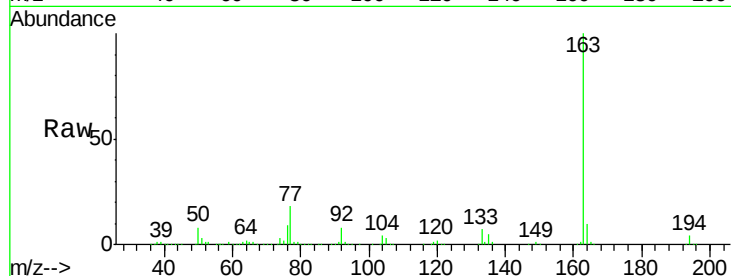




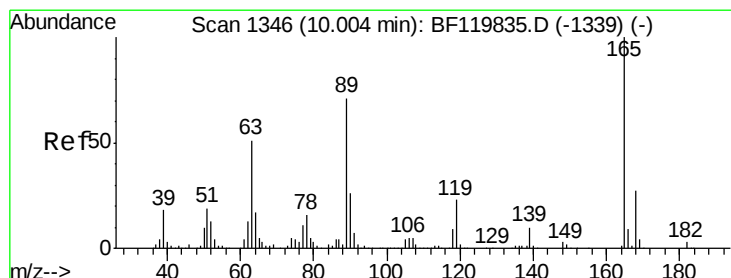
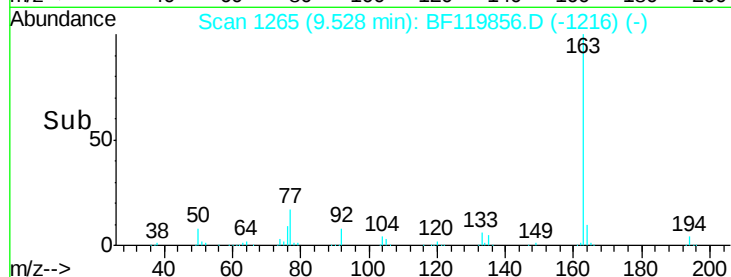
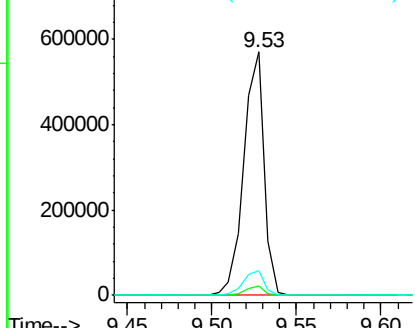
#50
Dimethylphthalate
Concen: 14.374 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF119856.D
Acq: 9 Apr 2020 6:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 479526
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.0 8.4 12.6

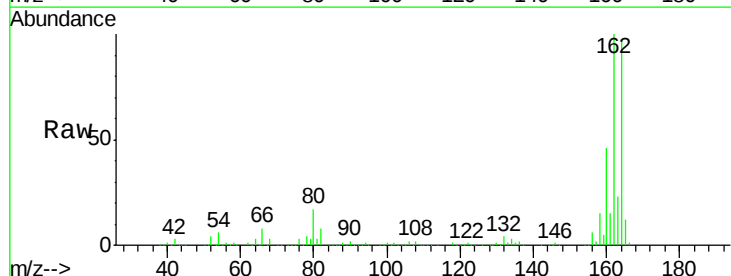


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

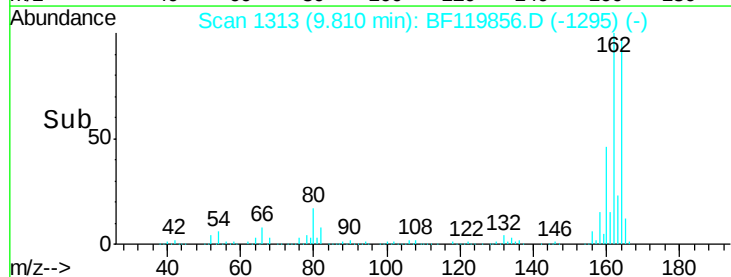
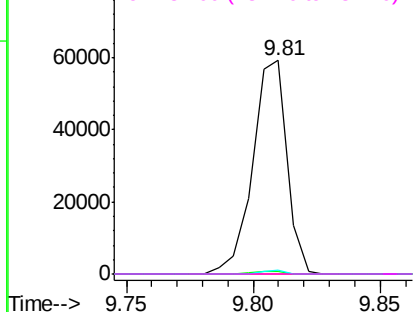


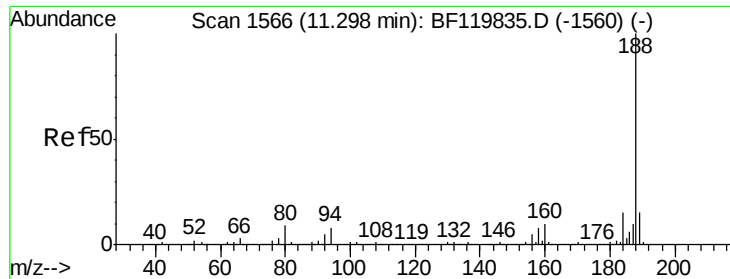
#57
2,4-Dinitrotoluene
Concen: 5.788 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF119856.D
Acq: 9 Apr 2020 6:17

Tgt Ion:165 Resp: 55712
Ion Ratio Lower Upper
165 100
63 1.5 40.8 61.2#
89 1.5 56.9 85.3#
182 0.0 2.0 3.0#



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

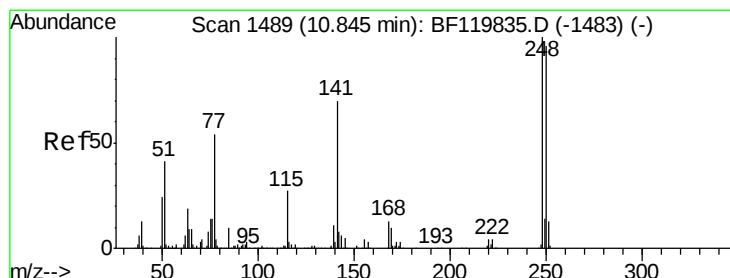
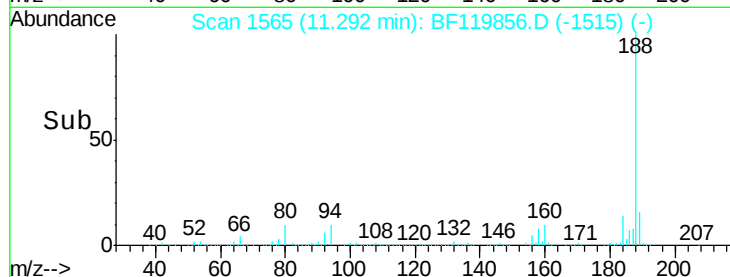
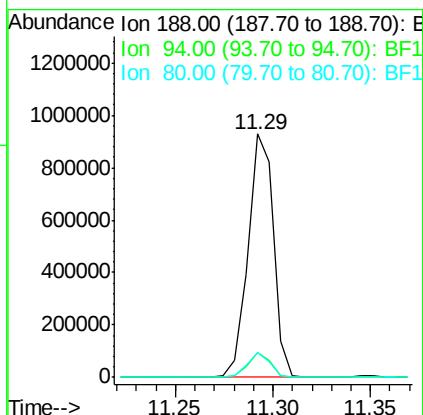
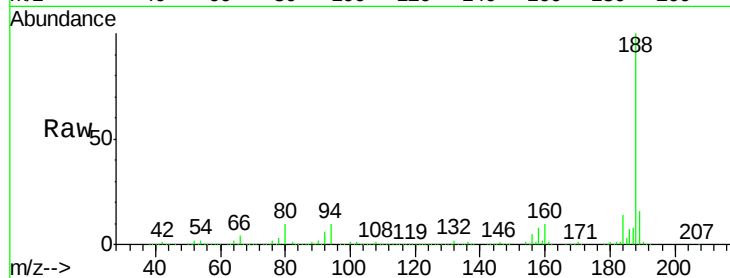




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF119856.D
Acq: 9 Apr 2020 6:17

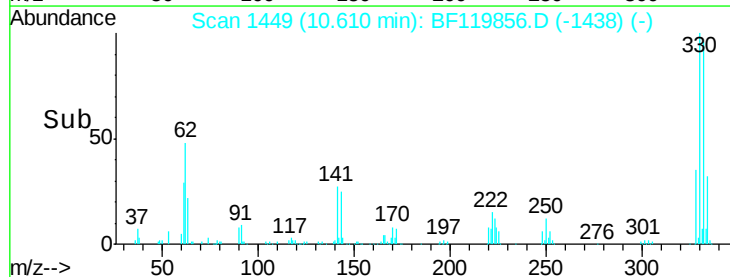
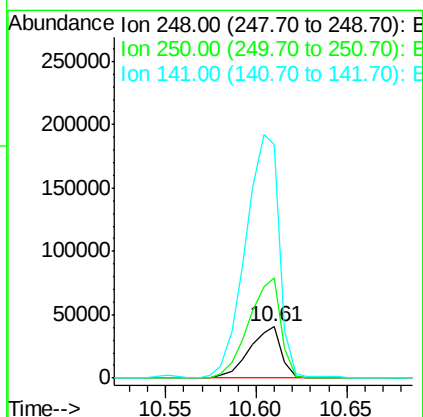
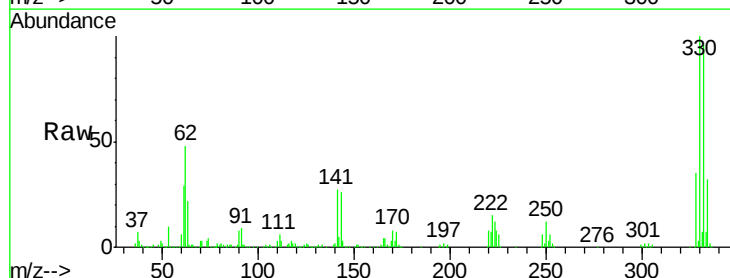
Instrument :
BNA_F
ClientSampleId :

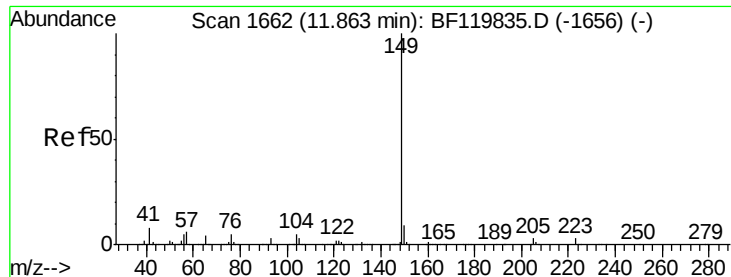
Tot Ion:188 Resp: 836511
Ion Ratio Lower Upper
188 100
94 10.1 6.7 10.1#
80 10.2 7.4 11.2



#67
4-Bromophenyl-phenylether
Concen: 4.711 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF119856.D
Acq: 9 Apr 2020 6:17

Tgt Ion:248 Resp: 49003
Ion Ratio Lower Upper
248 100
250 195.0 76.6 114.8#
141 457.0 55.9 83.9#

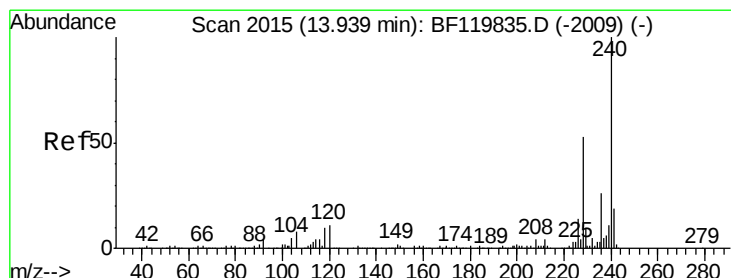
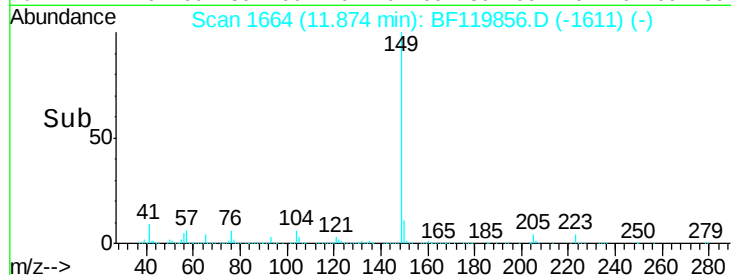
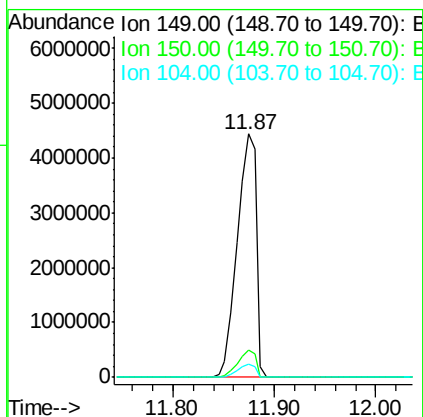
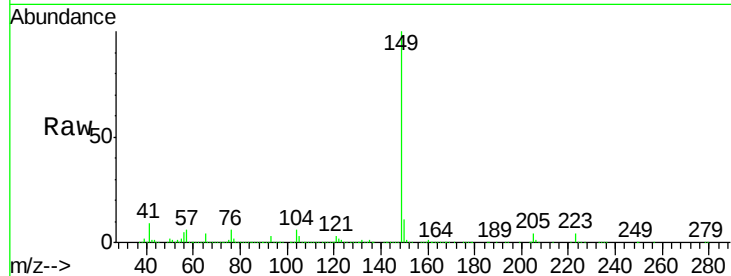




#74
Di-n-butylphthalate
Concen: 102.316 ng
RT: 11.87 min Scan# 1664
Delta R.T. 0.01 min
Lab File: BF119856.D
Acq: 9 Apr 2020 6:17

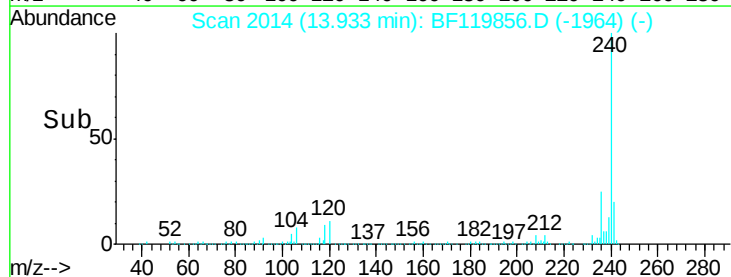
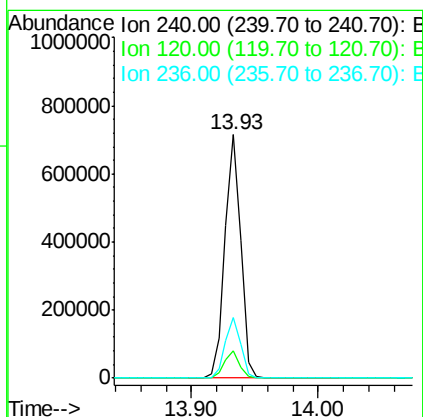
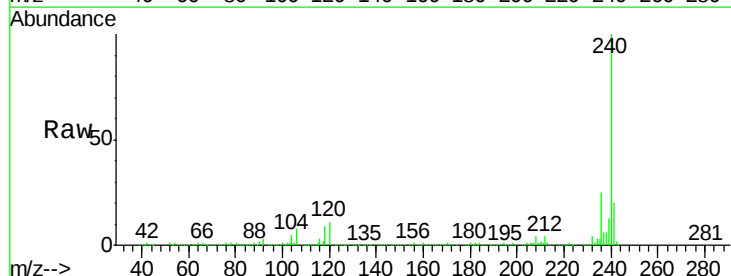
Instrument :
BNA_F
ClientSampleId :

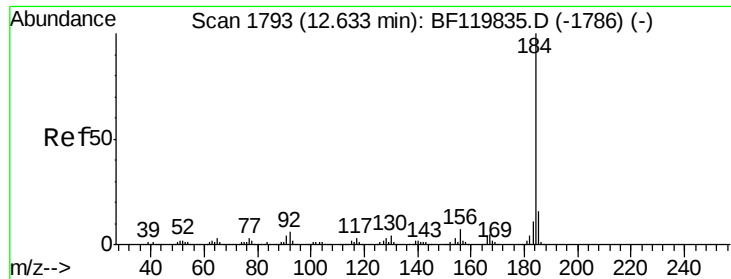
Tot Ion:149 Resp: 5784887
Ion Ratio Lower Upper
149 100
150 11.1 7.6 11.4
104 5.6 3.8 5.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF119856.D
Acq: 9 Apr 2020 6:17

Tgt Ion:240 Resp: 619338
Ion Ratio Lower Upper
240 100
120 11.4 9.0 13.6
236 25.1 20.7 31.1





#77

Benzidine

Concen: 2.027 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.26 min

Lab File: BF119856.D

Acq: 9 Apr 2020 6:17

Instrument :

BNA_F

ClientSampleId :

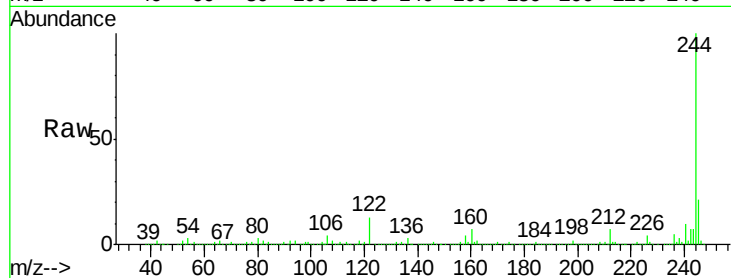
Tot Ion:184 Resp: 42437

Ion Ratio Lower Upper

184 100

185 14.0 13.2 19.8

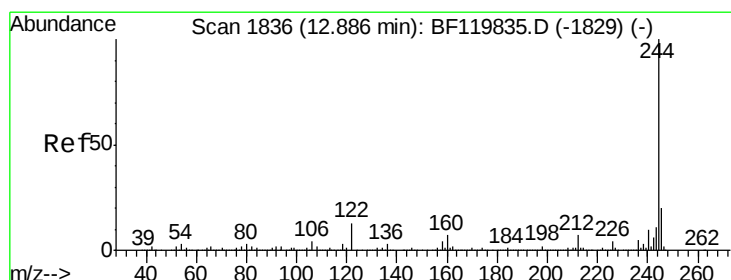
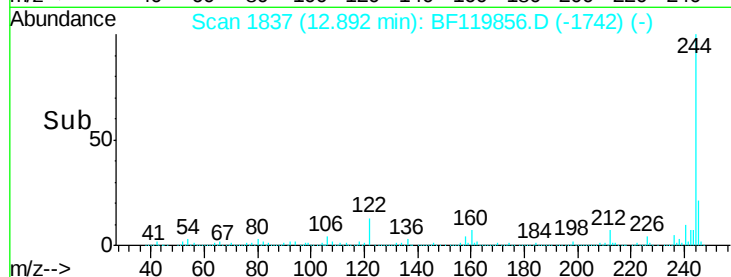
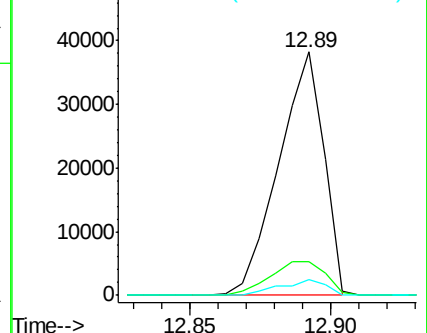
183 6.5 9.1 13.7#



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: 92.482 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.01 min

Lab File: BF119856.D

Acq: 9 Apr 2020 6:17

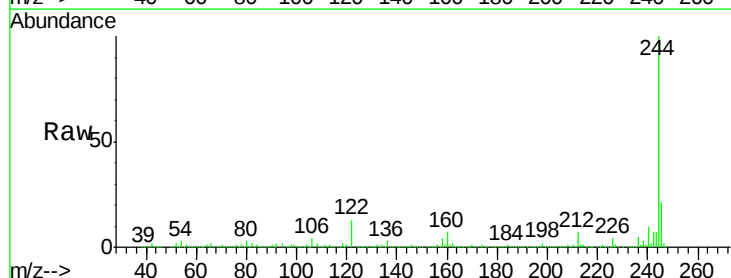
Tgt Ion:244 Resp: 3403995

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

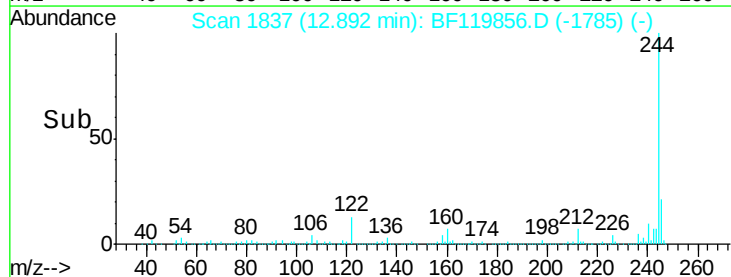
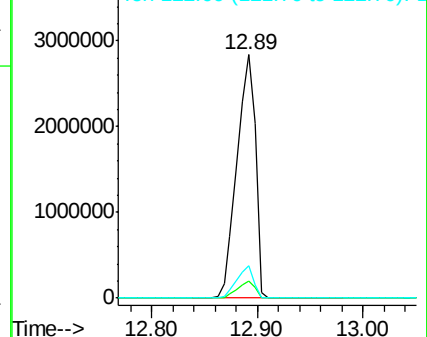
122 13.3 10.3 15.5

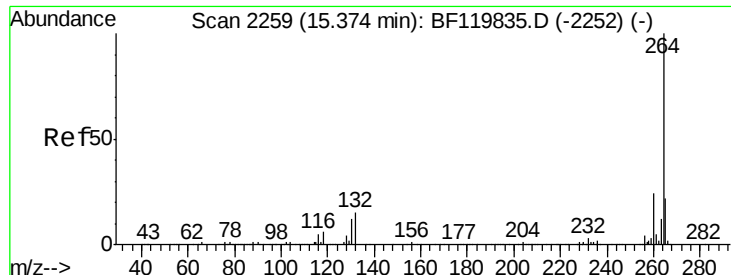


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

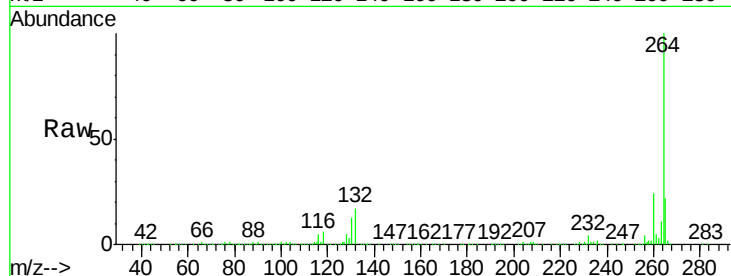




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2258
 Delta R.T. -0.01 min
 Lab File: BF119856.D
 Acq: 9 Apr 2020 6:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	21.9	17.6	26.4



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

