

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117311.D
 Acq On : 2 Oct 2019 20:29
 Operator : JU
 Sample : K5131-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:32:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

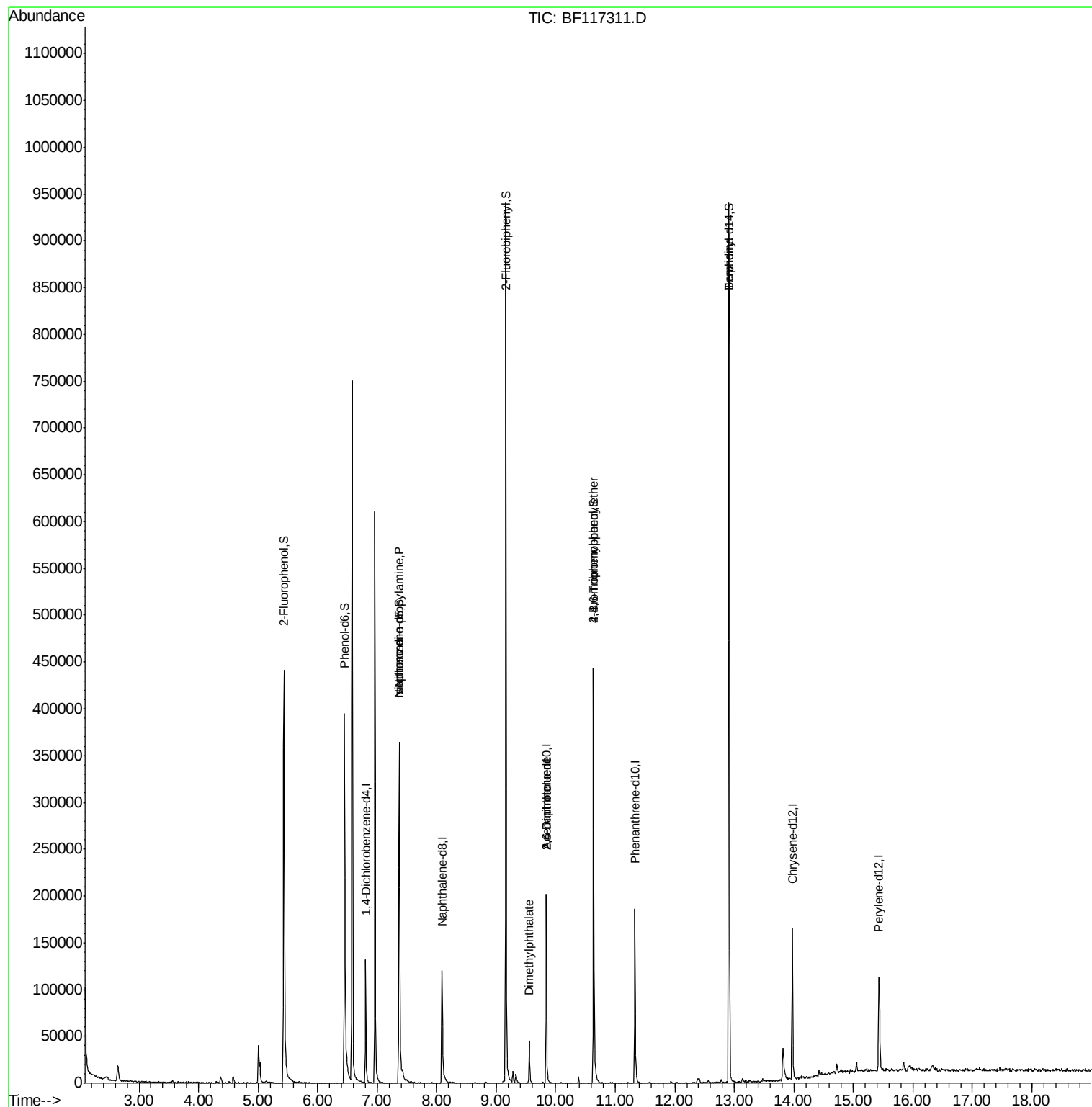
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	23434	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	89099	20.00	ng	-0.01
39) Acenaphthene-d10	9.84	164	47740	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	83828	20.00	ng	0.00
76) Chrysene-d12	13.97	240	60683	20.00	ng	0.00
87) Perylene-d12	15.43	264	55296	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	169998	113.26	ng	0.00
7) Phenol-d6	6.45	99	199923	103.06	ng	0.00
23) Nitrobenzene-d5	7.37	82	151089	89.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	58617	146.91	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	298167	97.66	ng	-0.01
79) Terphenyl-d14	12.91	244	319491	98.41	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	4664	Below Cal		Qvalue # 71
19) n-Nitroso-di-n-propylamine	7.37	70	20416	17.284	ng	# 84
25) Isophorone	7.37	82	151087	50.321	ng	# 66
50) Dimethylphthalate	9.56	163	20999	6.212	ng	# 99
51) 2,6-Dinitrotoluene	9.84	165	5792	8.413	ng	# 24
57) 2,4-Dinitrotoluene	9.84	165	5792	6.481	ng	# 18
67) 4-Bromophenyl-phenylether	10.63	248	3300	3.855	ng	# 1
77) Benzidine	12.91	184	4259	2.179	ng	# 92

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

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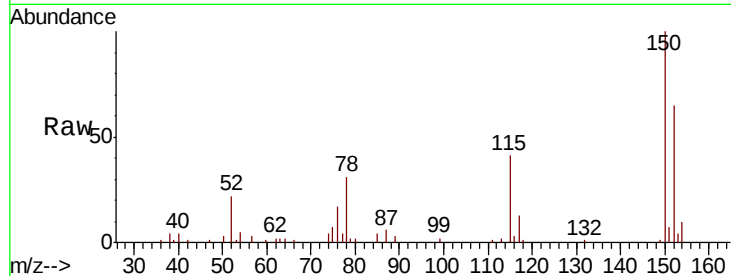


#1

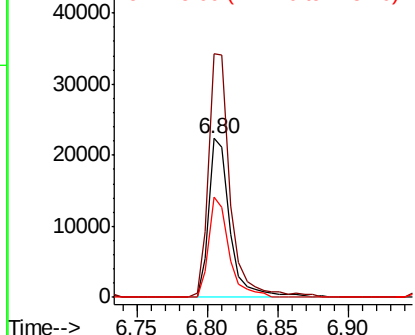
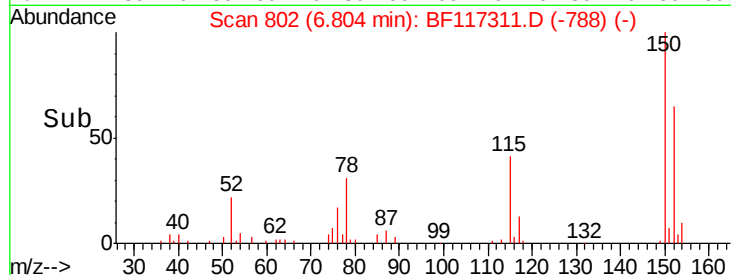
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117311.D
Acq: 2 Oct 2019 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 23434
Ion Ratio Lower Upper
152 100
150 153.5 127.5 191.3
115 63.5 55.0 82.4



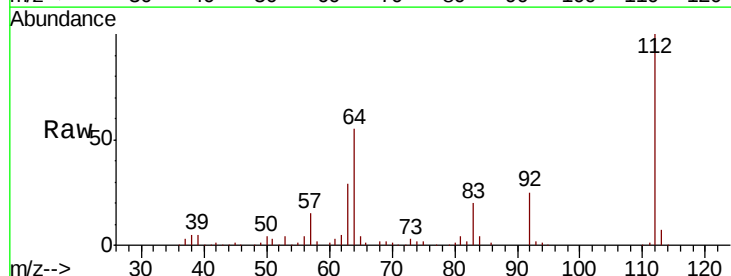
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



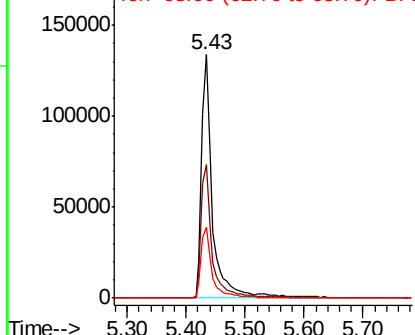
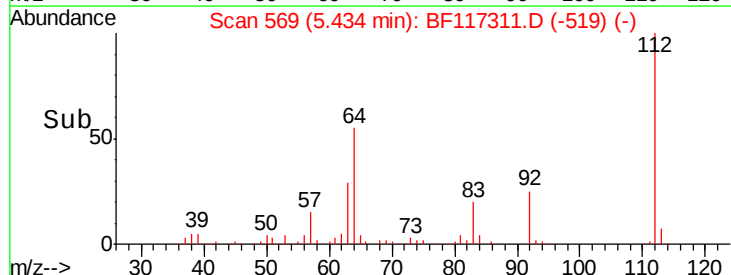
#5

2-Fluorophenol
Concen: 113.258 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117311.D
Acq: 2 Oct 2019 20:29

Tgt Ion:112 Resp: 169998
Ion Ratio Lower Upper
112 100
64 54.6 45.7 68.5
63 29.2 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: 103.063 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117311.D

Acq: 2 Oct 2019 20:29

Instrument :

BNA_F

ClientSampleId :

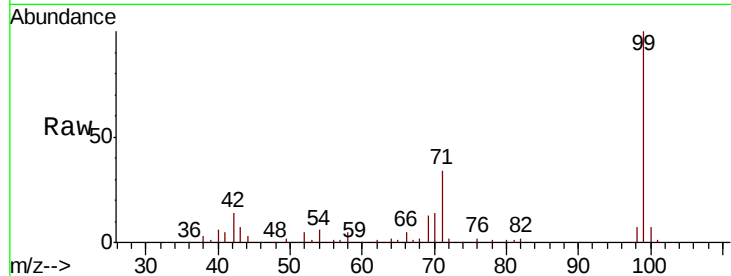
Tot Ion: 99 Resp: 199923

Ion Ratio Lower Upper

99 100

42 13.8 12.2 18.2

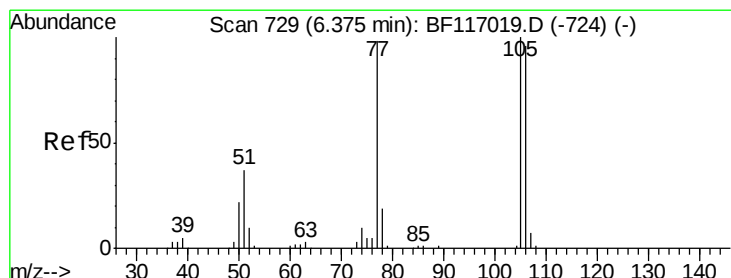
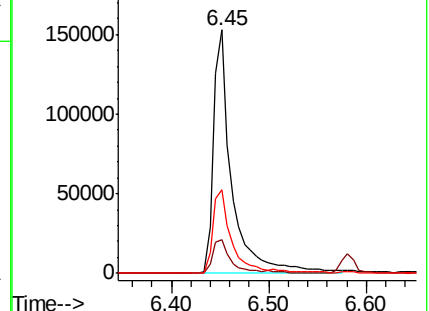
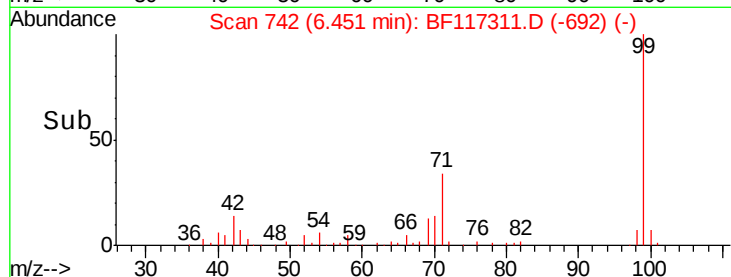
71 34.3 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF117311.D

Acq: 2 Oct 2019 20:29

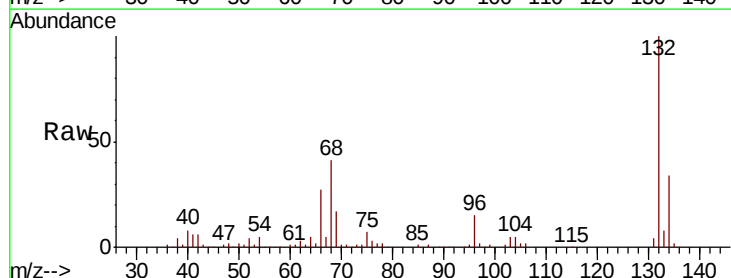
Tgt Ion: 77 Resp: 4664

Ion Ratio Lower Upper

77 100

105 72.2 81.8 121.8#

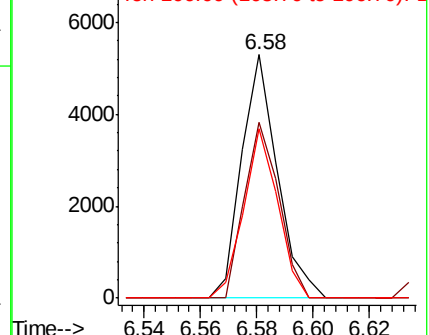
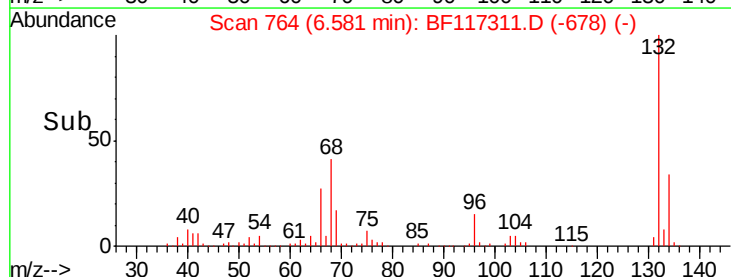
106 69.8 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

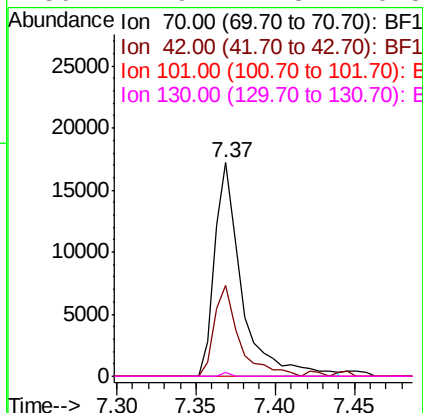
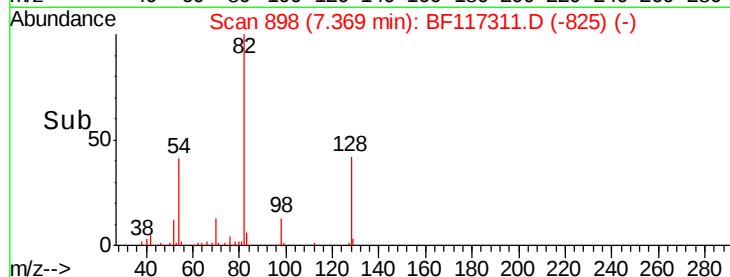
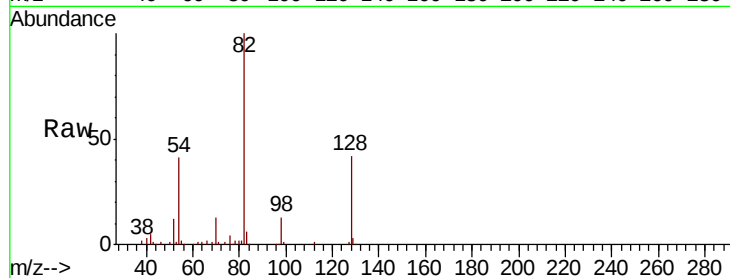




#19
n-Nitroso-di-n-propylamine
Concen: 17.284 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117311.D
Acq: 2 Oct 2019 20:29

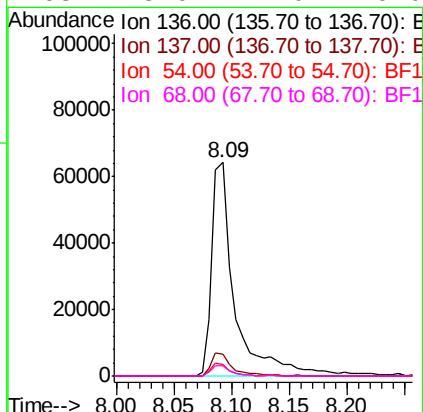
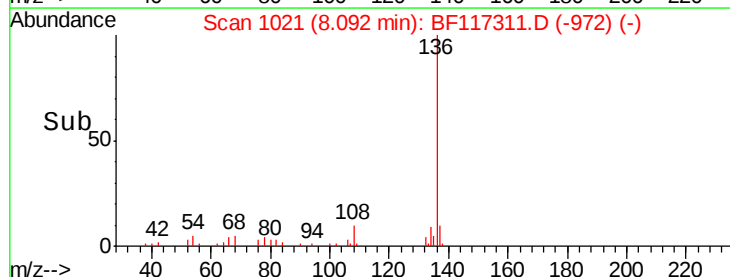
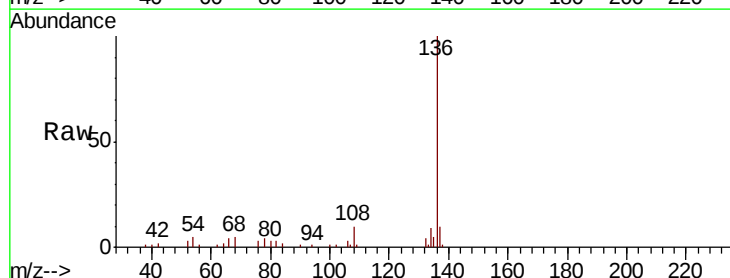
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 20416
Ion Ratio Lower Upper
70 100
42 42.8 34.0 51.0
101 0.0 7.8 11.6#
130 1.9 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117311.D
Acq: 2 Oct 2019 20:29

Tgt Ion: 136 Resp: 89099
Ion Ratio Lower Upper
136 100
137 10.3 9.0 13.4
54 5.1 4.5 6.7
68 5.0 4.0 6.0

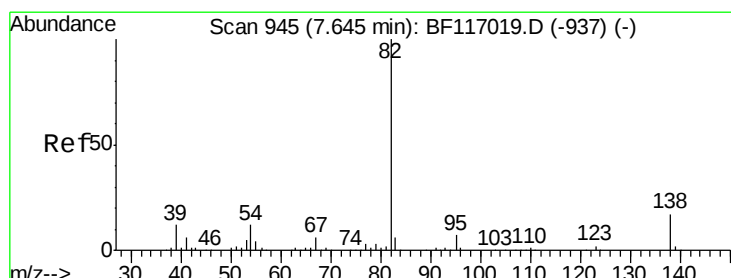
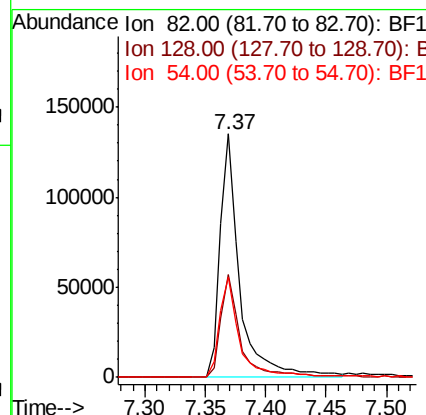
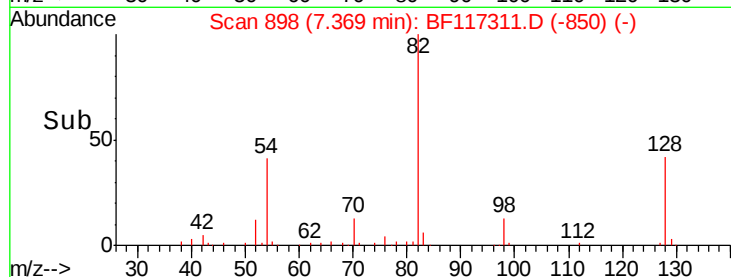
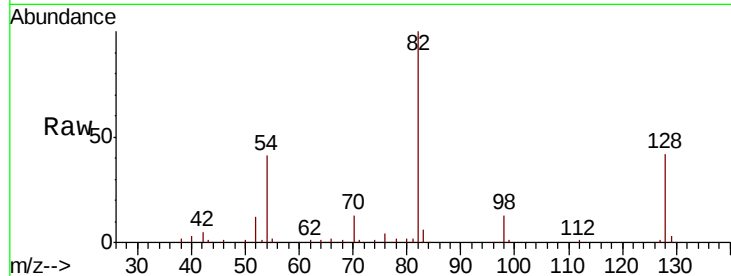




#23
Nitrobenzene-d5
Concen: 89.098 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117311.D
Acq: 2 Oct 2019 20:29

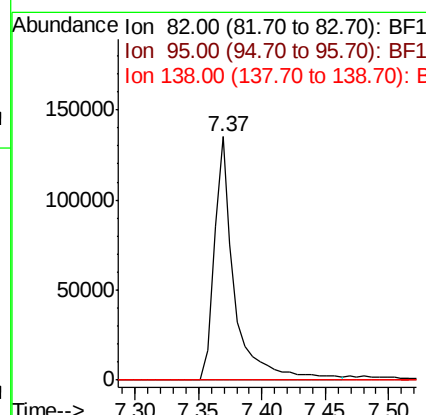
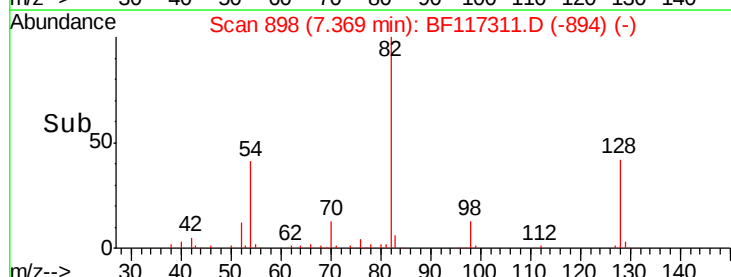
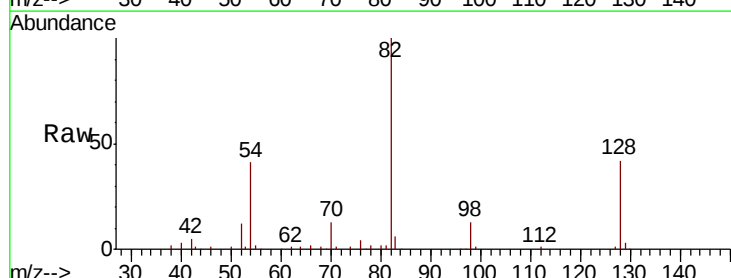
Instrument :
BNA_F
ClientSampled :

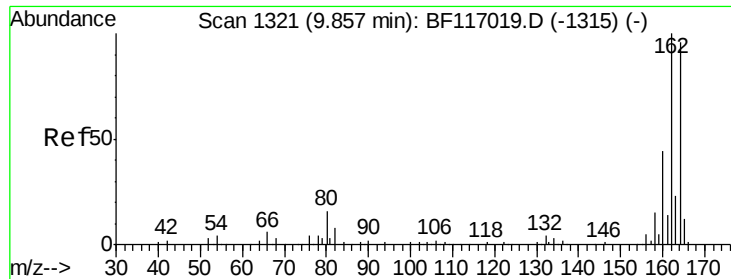
Tot Ion	82	Resp	151089
Ion Ratio	100	Lower	Upper
128	42.4	32.3	48.5
54	41.3	33.3	49.9



#25
Isophorone
Concen: 50.321 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.28 min
Lab File: BF117311.D
Acq: 2 Oct 2019 20:29

Tgt Ion	82	Resp	151087
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

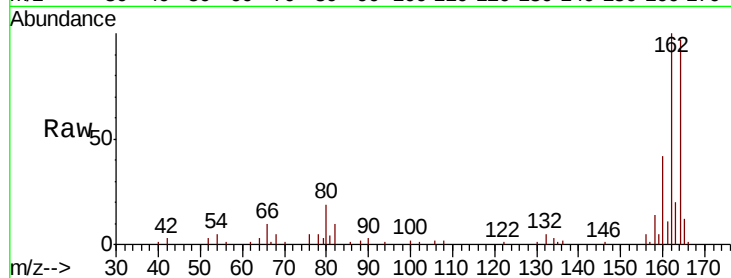




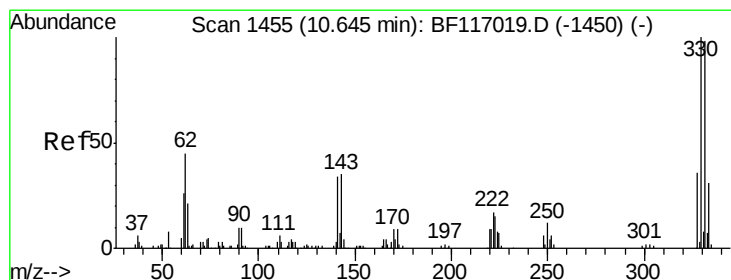
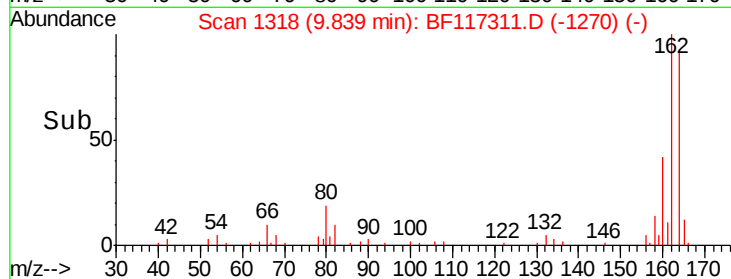
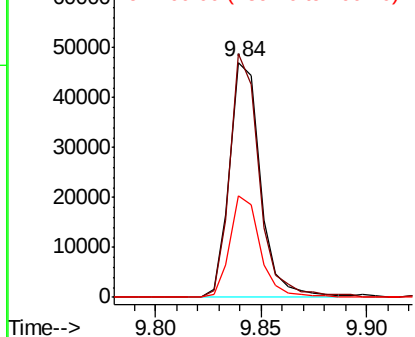
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF117311.D
Acq: 2 Oct 2019 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 47740
Ion Ratio Lower Upper
164 100
162 103.5 83.4 125.2
160 43.2 36.4 54.6

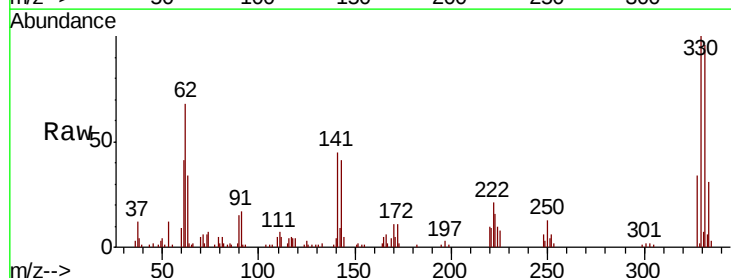


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

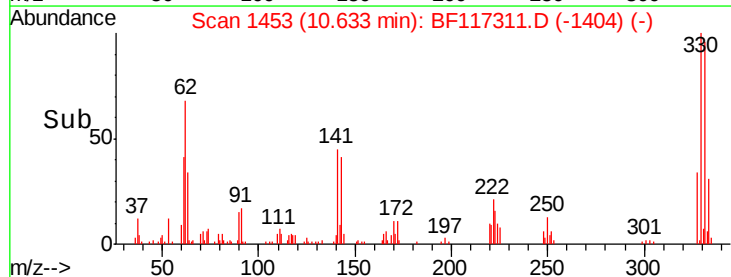
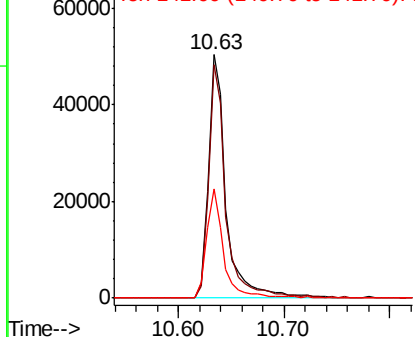


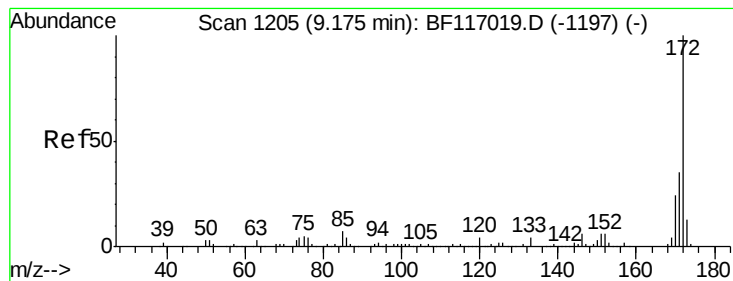
#42
2,4,6-Tribromophenol
Concen: 146.911 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117311.D
Acq: 2 Oct 2019 20:29

Tgt Ion:330 Resp: 58617
Ion Ratio Lower Upper
330 100
332 94.0 78.0 117.0
141 43.0 35.8 53.6



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: 97.655 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF117311.D

Acq: 2 Oct 2019 20:29

Instrument :

BNA_F

ClientSampleId :

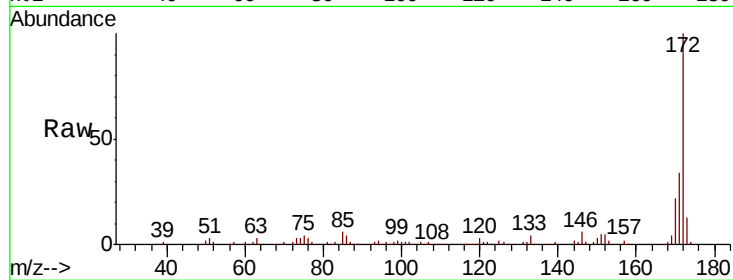
Tot Ion:172 Resp: 298167

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.2

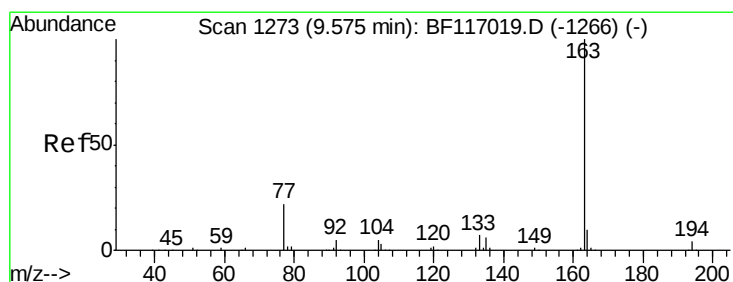
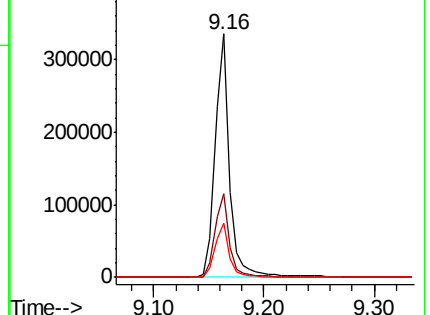
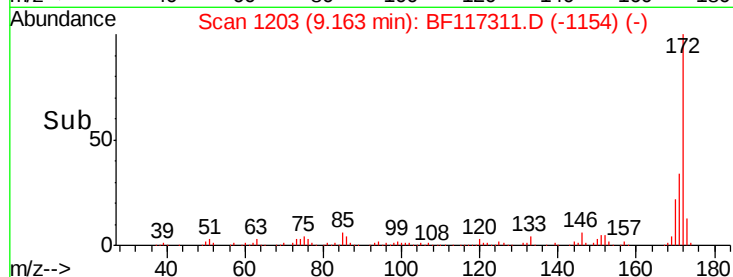
170 22.3 18.9 28.3



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



#50

Dimethylphthalate

Concen: 6.212 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117311.D

Acq: 2 Oct 2019 20:29

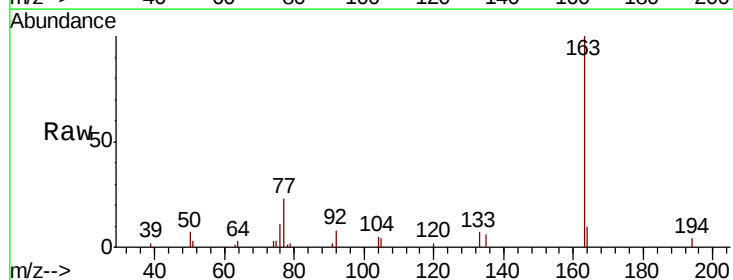
Tgt Ion:163 Resp: 20999

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

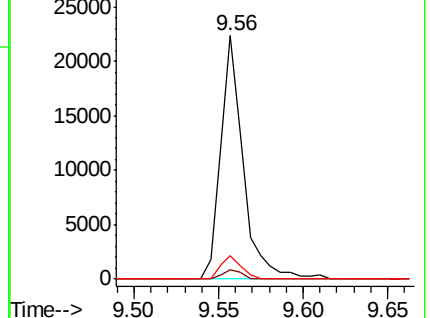
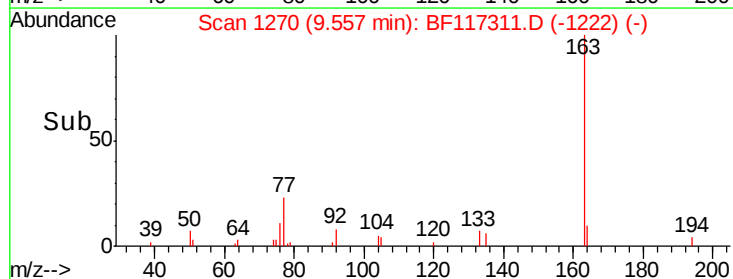
164 9.8 8.2 12.4



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: 8.413 ng

RT: 9.84 min Scan# 1318

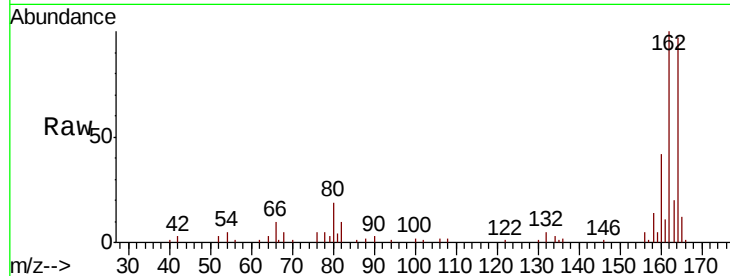
Delta R.T. 0.20 min

Lab File: BF117311.D

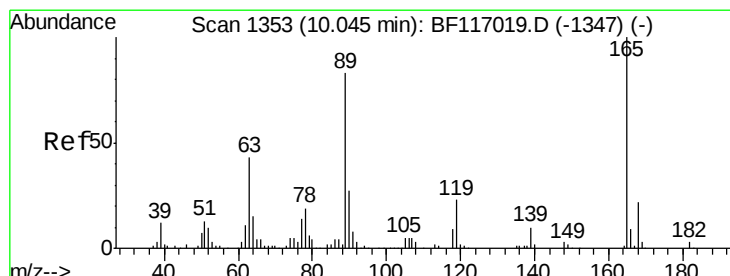
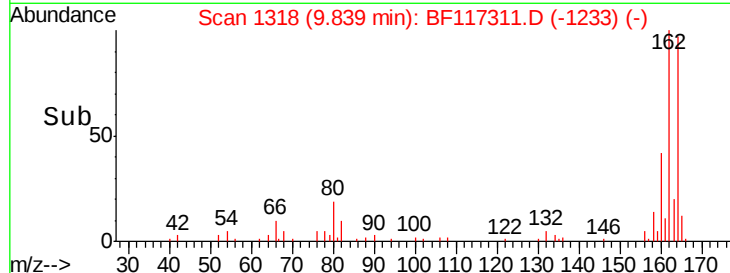
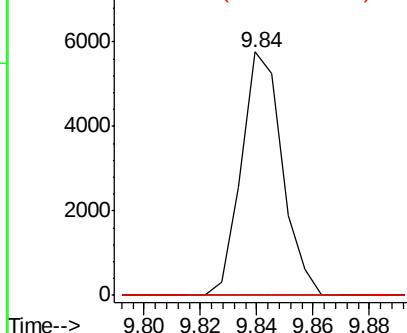
Acq: 2 Oct 2019 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	5792
Ion Ratio	Lower	Upper
165 100		
63 0.0	41.8	62.8#
89 0.0	46.5	69.7#



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: 6.481 ng

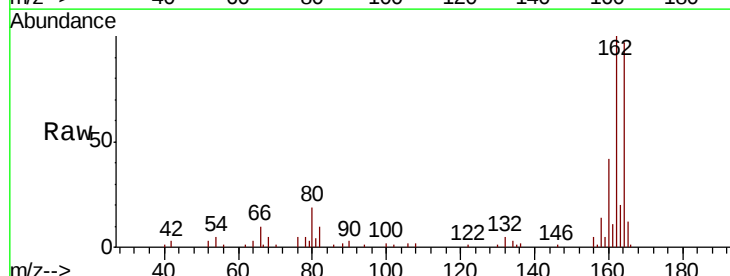
RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

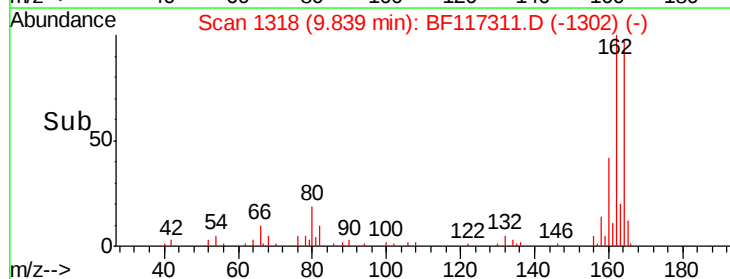
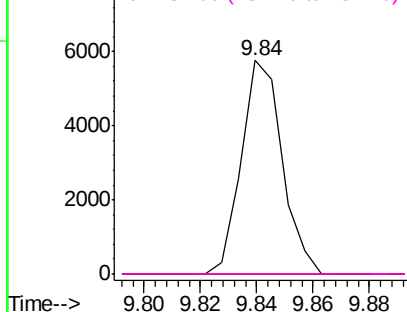
Lab File: BF117311.D

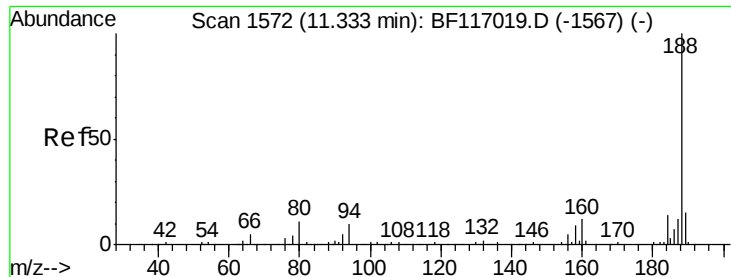
Acq: 2 Oct 2019 20:29

Tgt Ion:165	Resp:	5792
Ion Ratio	Lower	Upper
165 100		
63 0.0	35.0	52.4#
89 0.0	66.1	99.1#
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

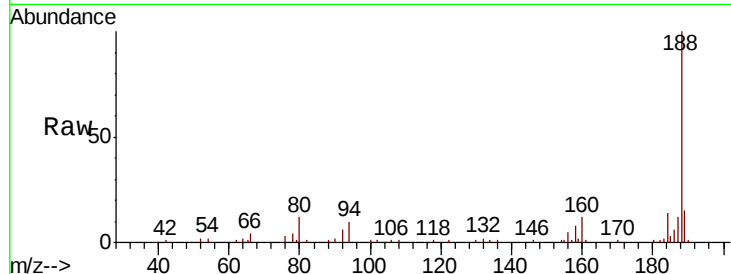




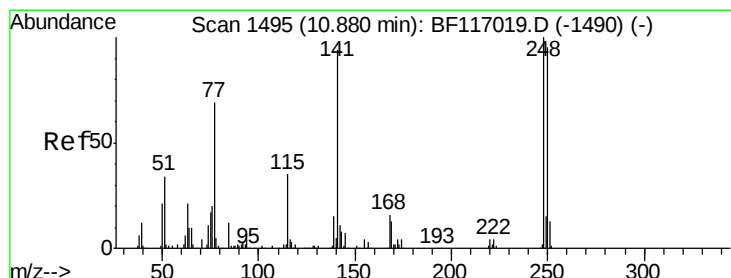
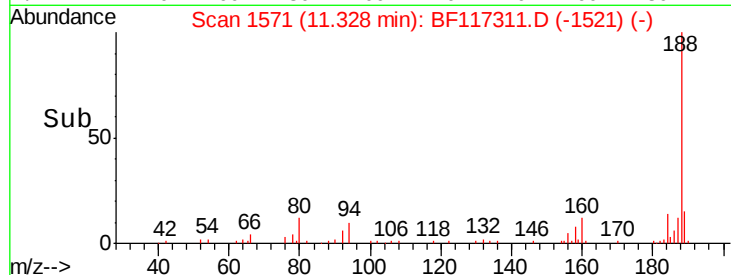
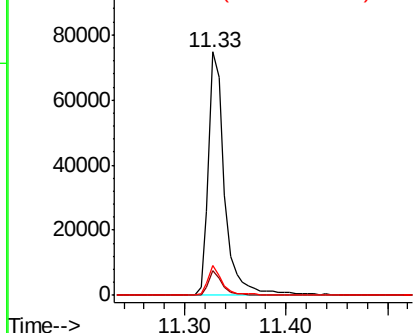
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117311.D
Acq: 2 Oct 2019 20:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 83828
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 12.1 9.0 13.6

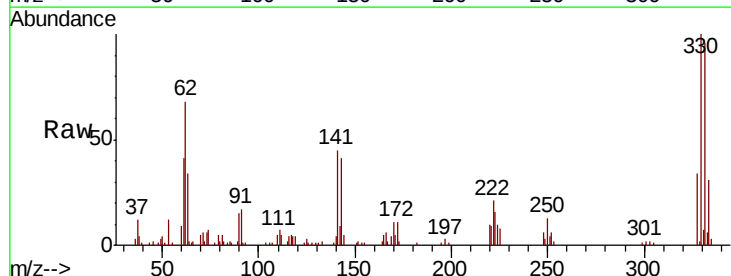


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

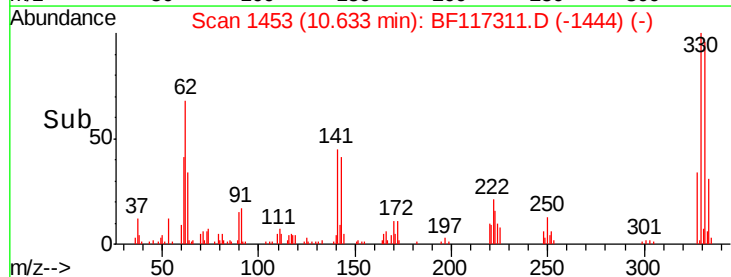
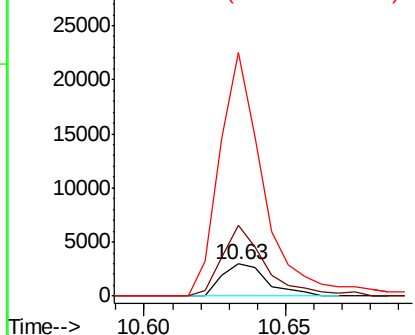


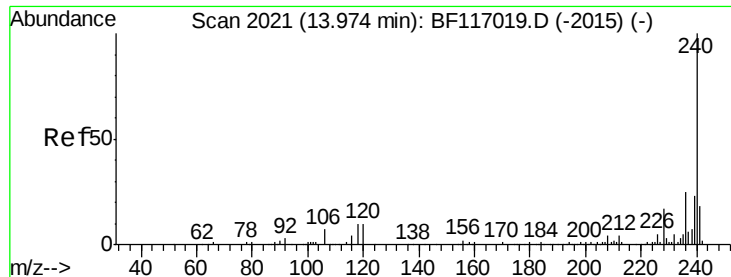
#67
4-Bromophenyl-phenylether
Concen: 3.855 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF117311.D
Acq: 2 Oct 2019 20:29

Tgt Ion:248 Resp: 3300
Ion Ratio Lower Upper
248 100
250 219.1 76.2 114.4#
141 758.5 75.0 112.4#



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

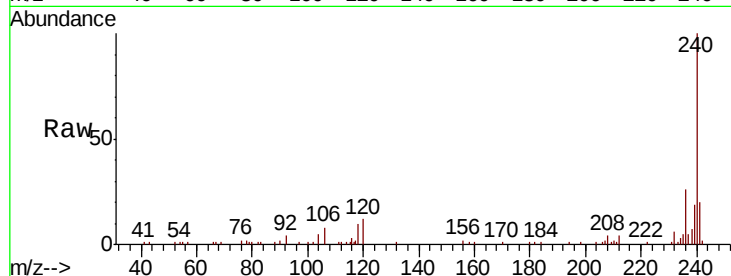




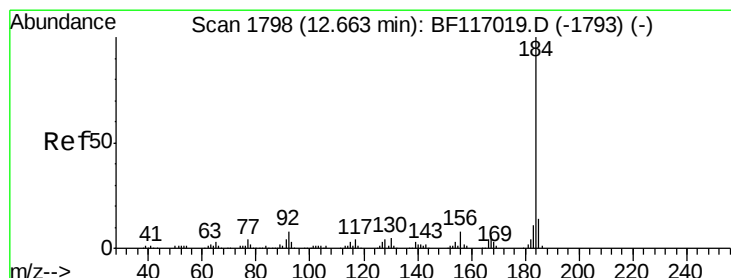
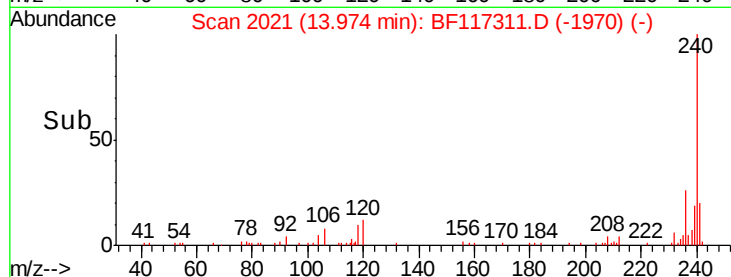
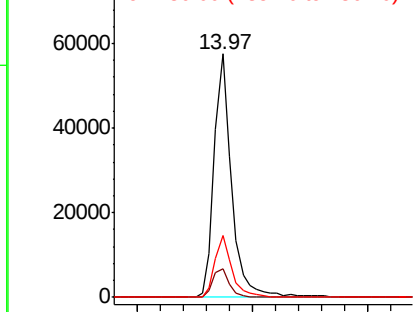
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF117311.D
 Acq: 2 Oct 2019 20:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 60683
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.3 12.5
 236 25.6 20.3 30.5

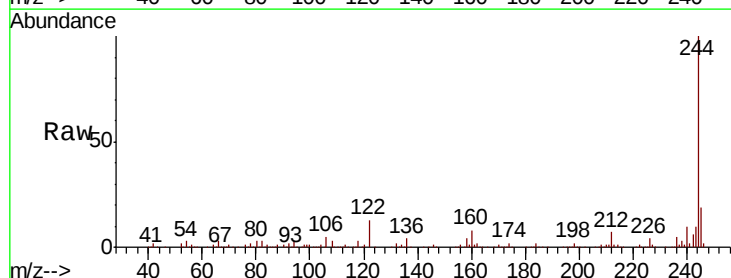


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

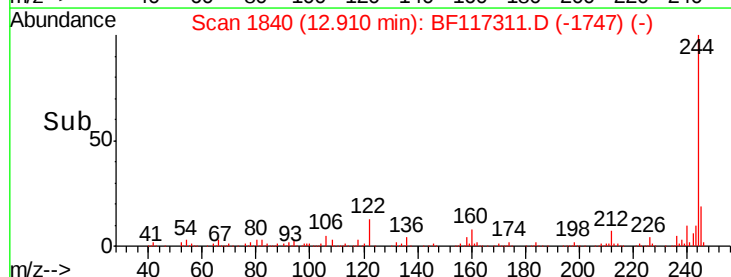
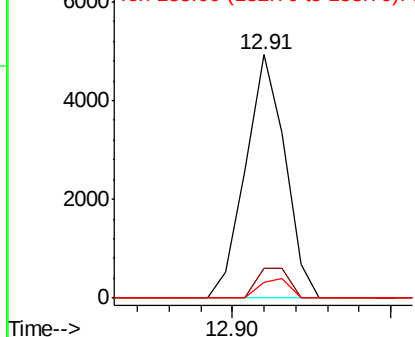


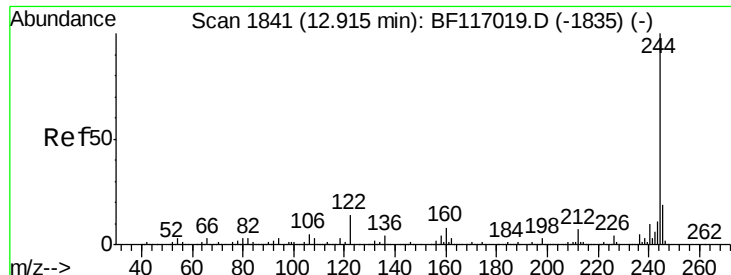
#77
 Benzidine
 Concen: 2.179 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.25 min
 Lab File: BF117311.D
 Acq: 2 Oct 2019 20:29

Tgt Ion:184 Resp: 4259
 Ion Ratio Lower Upper
 184 100
 185 12.3 11.6 17.4
 183 6.4 9.0 13.4#



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: 98.413 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117311.D

Acq: 2 Oct 2019 20:29

Instrument :

BNA_F

ClientSampleId :

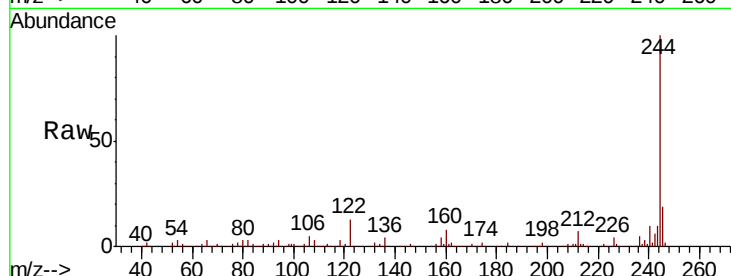
Tot Ion:244 Resp: 319491

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

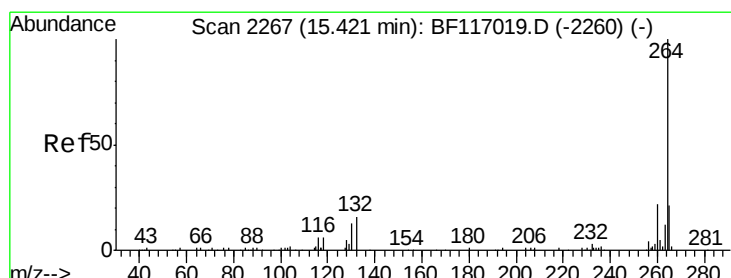
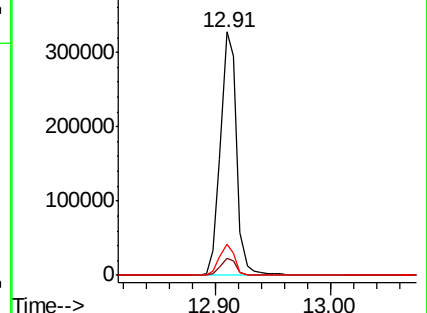
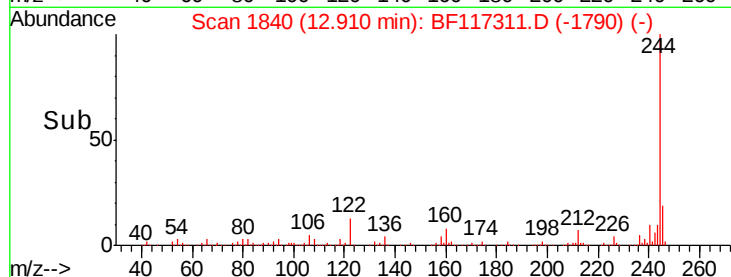
122 12.9 11.3 16.9



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: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF117311.D

Acq: 2 Oct 2019 20:29

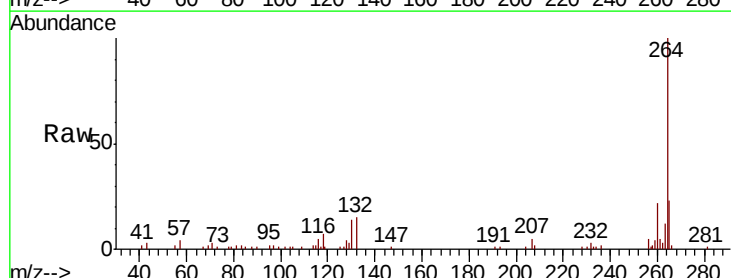
Tgt Ion:264 Resp: 55296

Ion Ratio Lower Upper

264 100

260 22.2 17.6 26.4

265 22.5 16.6 24.8



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

