

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100819\
 Data File : BF117341.D
 Acq On : 8 Oct 2019 15:32
 Operator : JU
 Sample : PB123732BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 01:29:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

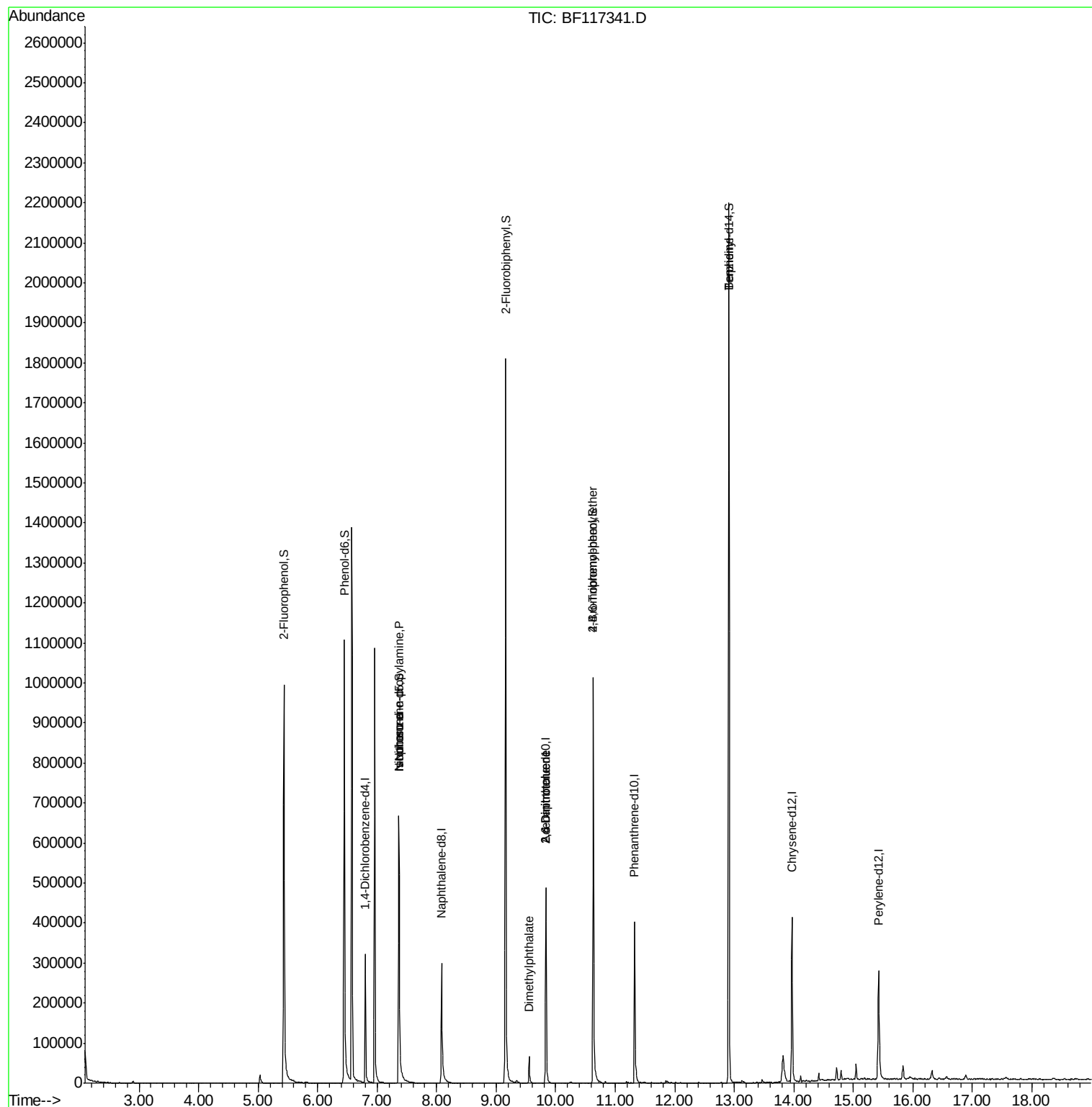
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	53665	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	219443	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	117361	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	194191	20.00	ng	0.00
76) Chrysene-d12	13.97	240	157734	20.00	ng	0.00
87) Perylene-d12	15.43	264	150950	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	333479	97.02	ng	0.00
7) Phenol-d6	6.45	99	488340	109.93	ng	0.00
23) Nitrobenzene-d5	7.36	82	314128	75.21	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	133688	136.30	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	612834	81.65	ng	0.00
79) Terphenyl-d14	12.91	244	758077	89.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	637	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	41142	15.210	ng	# 1
25) Isophorone	7.36	82	314127	42.479	ng	# 82
50) Dimethylphthalate	9.55	163	34350	4.134	ng	# 66
51) 2,6-Dinitrotoluene	9.83	165	14913	8.812	ng	# 98
57) 2,4-Dinitrotoluene	9.83	165	14913	6.788	ng	# 24
67) 4-Bromophenyl-phenylether	10.63	248	8986	4.531	ng	# 18
77) Benzidine	12.91	184	10349	2.037	ng	# 1
						# 93

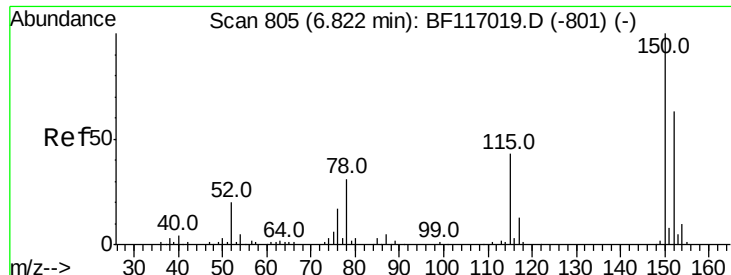
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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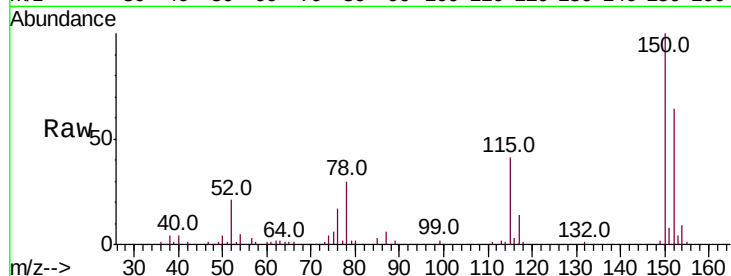


#1

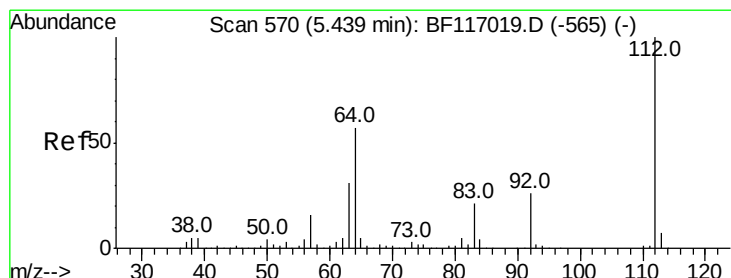
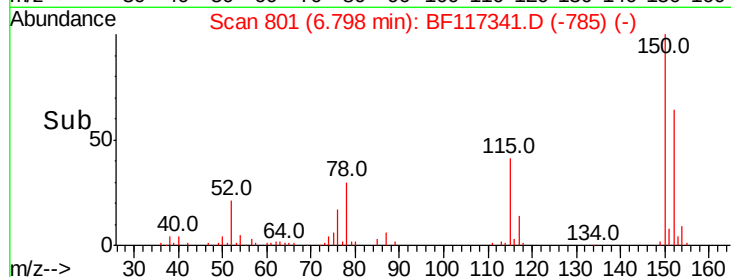
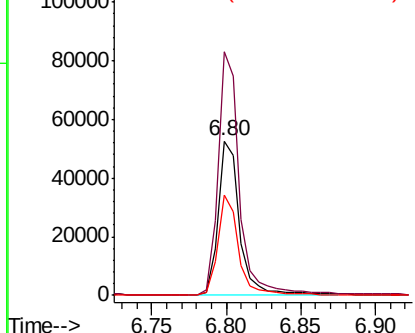
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117341.D
Acq: 8 Oct 2019 15:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 53665
Ion Ratio Lower Upper
152 100
150 157.5 127.5 191.3
115 65.0 55.0 82.4



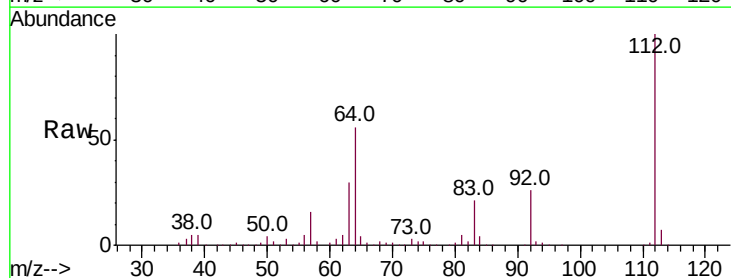
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



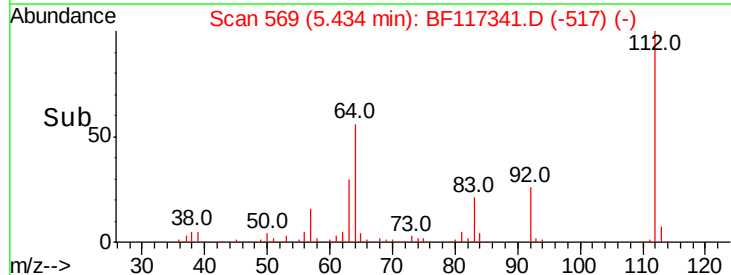
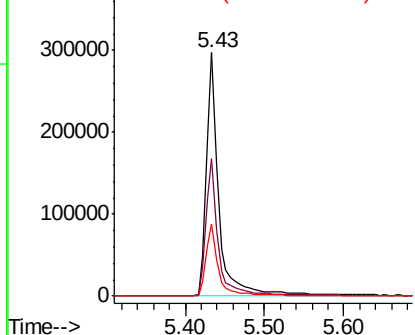
#5

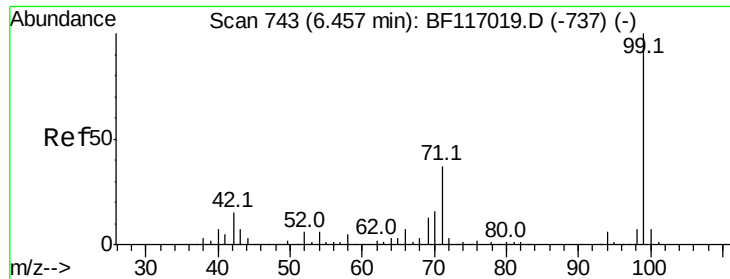
2-Fluorophenol
Concen: 97.017 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF117341.D
Acq: 8 Oct 2019 15:32

Tgt Ion:112 Resp: 333479
Ion Ratio Lower Upper
112 100
64 56.3 45.7 68.5
63 29.7 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: 109.931 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117341.D

Acq: 8 Oct 2019 15:32

Instrument :

BNA_F

ClientSampled :

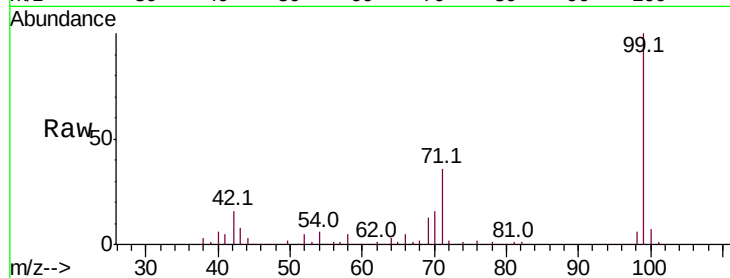
Tot Ion: 99 Resp: 488340

Ion Ratio Lower Upper

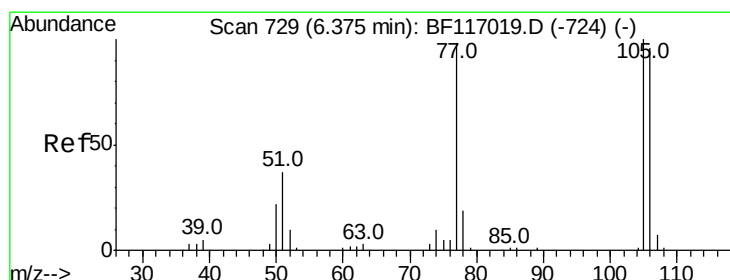
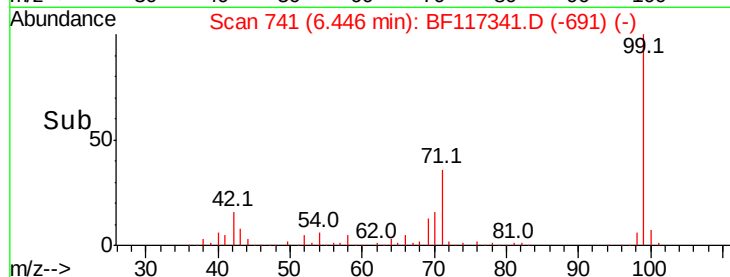
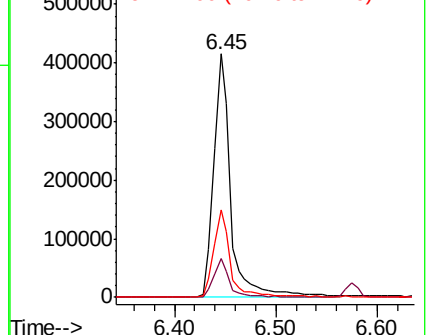
99 100

42 15.9 12.2 18.2

71 35.7 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: 6.45 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF117341.D

Acq: 8 Oct 2019 15:32

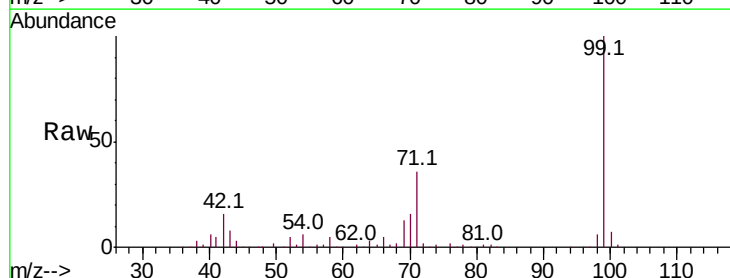
Tgt Ion: 77 Resp: 637

Ion Ratio Lower Upper

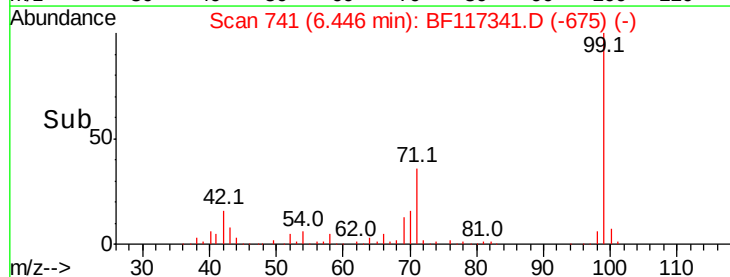
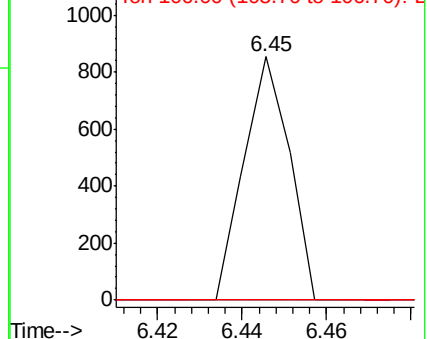
77 100

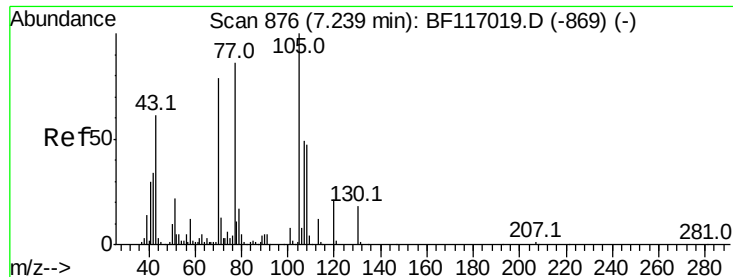
105 0.0 81.8 121.8#

106 0.0 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

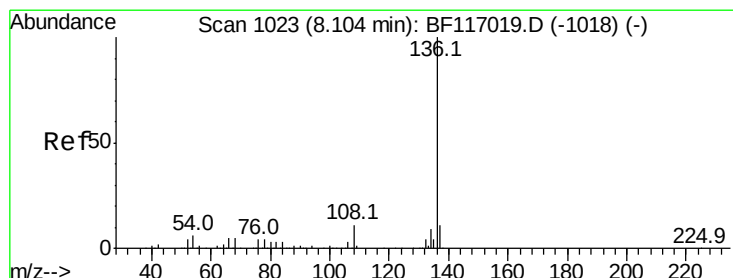
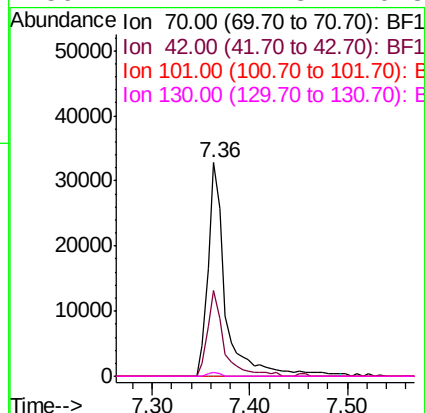
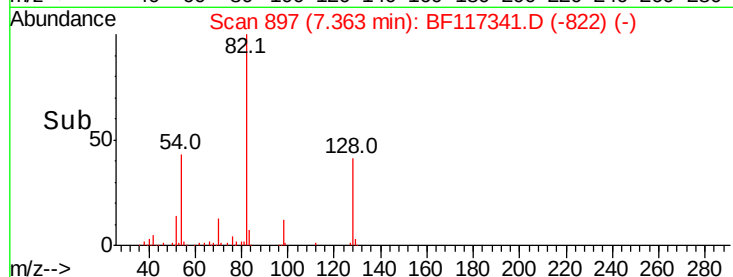
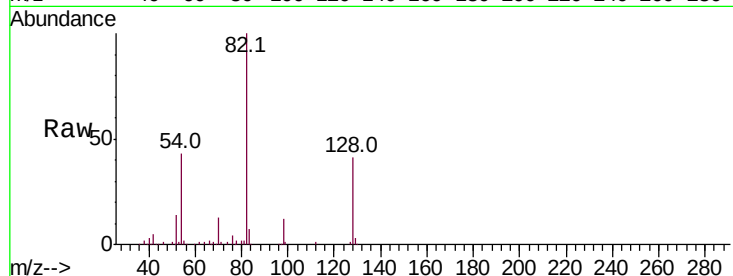




#19
n-Nitroso-di-n-propylamine
Concen: 15.210 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF117341.D
Acq: 8 Oct 2019 15:32

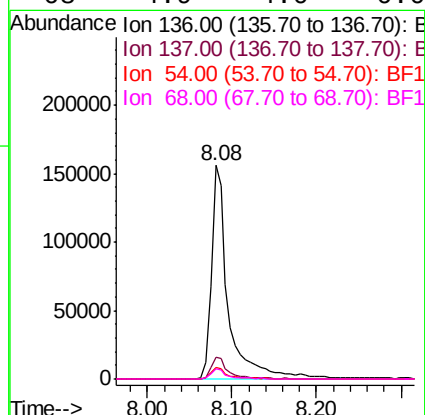
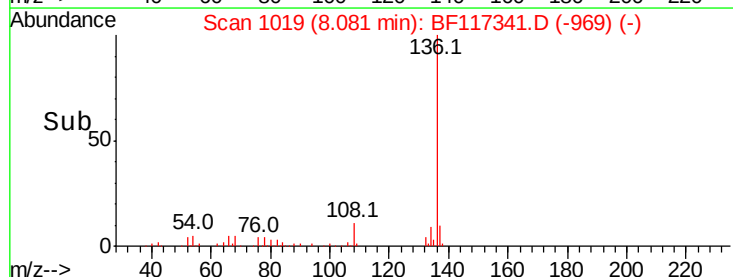
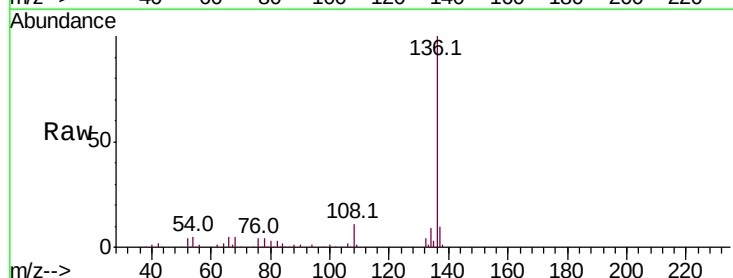
Instrument :
BNA_F
ClientSampled :

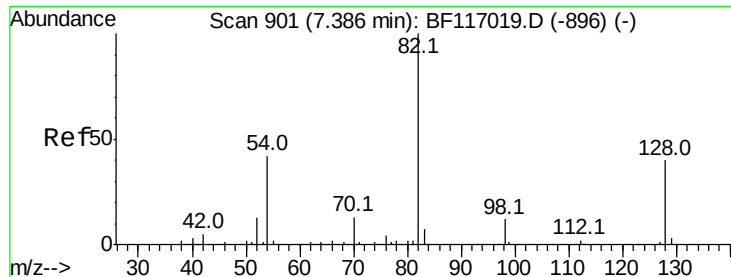
Tot Ion: 70 Resp: 41142
Ion Ratio Lower Upper
70 100
42 40.2 34.0 51.0
101 0.0 7.8 11.6#
130 1.7 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF117341.D
Acq: 8 Oct 2019 15:32

Tgt Ion: 136 Resp: 219443
Ion Ratio Lower Upper
136 100
137 10.1 9.0 13.4
54 5.5 4.5 6.7
68 4.9 4.0 6.0





#23

Nitrobenzene-d5

Concen: 75.213 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF117341.D

Acq: 8 Oct 2019 15:32

Instrument :
BNA_F
ClientSampleId :

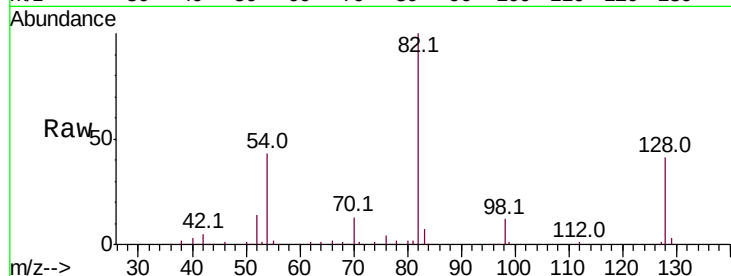
Tot Ion: 82 Resp: 314128

Ion Ratio Lower Upper

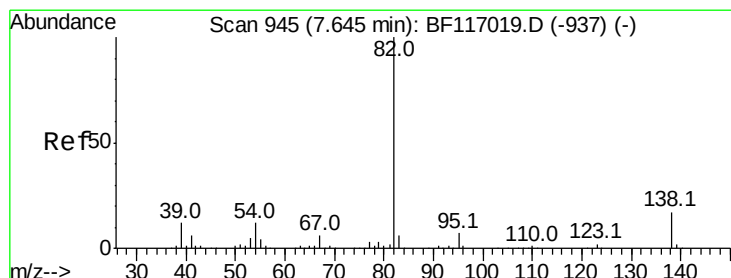
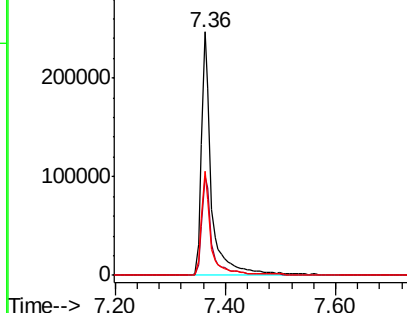
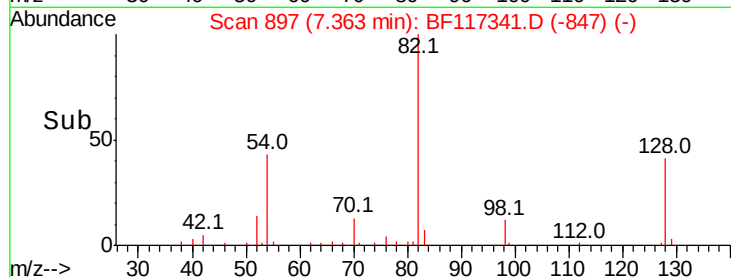
82 100

128 40.7 32.3 48.5

54 42.9 33.3 49.9



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: 42.479 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF117341.D

Acq: 8 Oct 2019 15:32

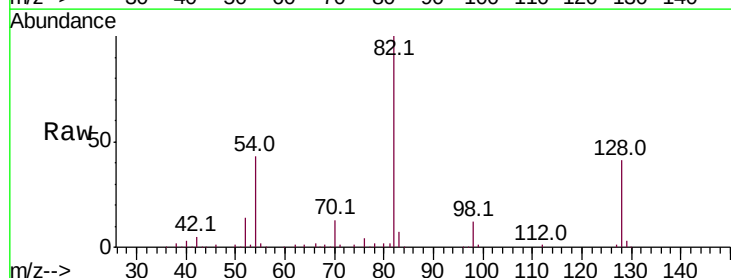
Tgt Ion: 82 Resp: 314127

Ion Ratio Lower Upper

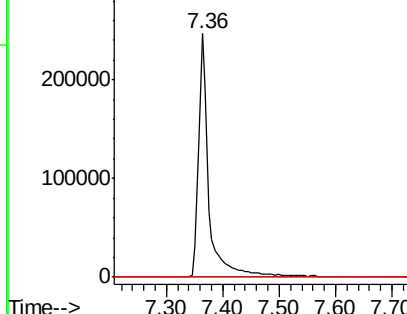
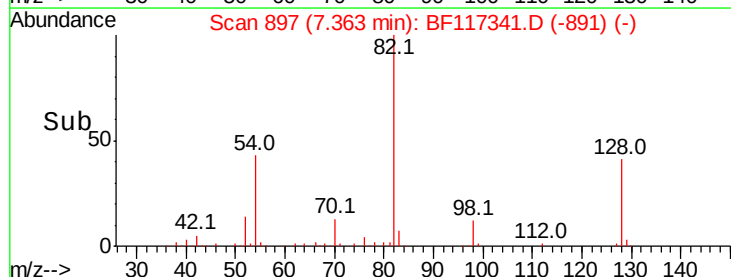
82 100

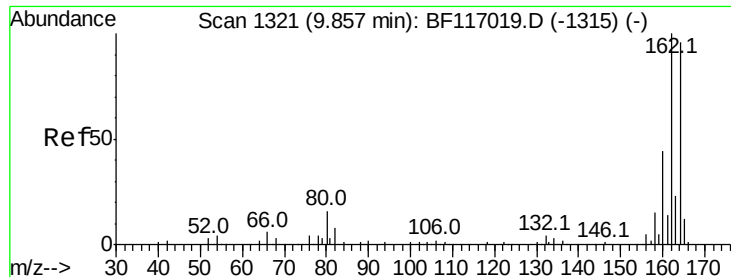
95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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

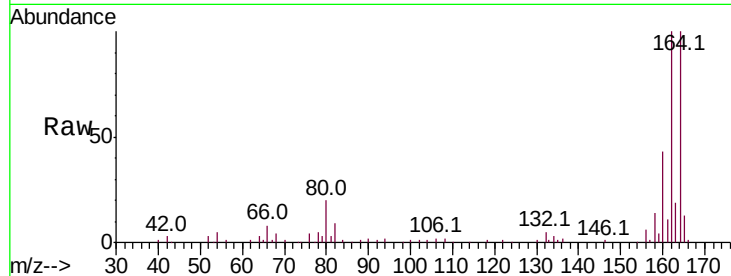




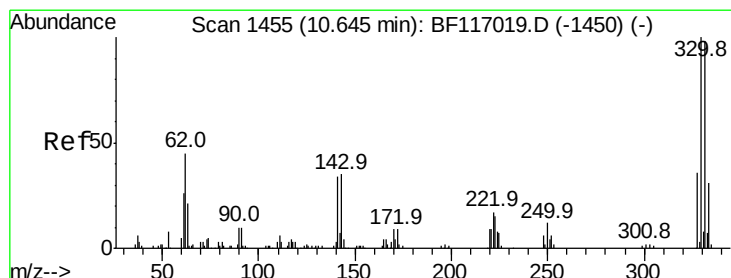
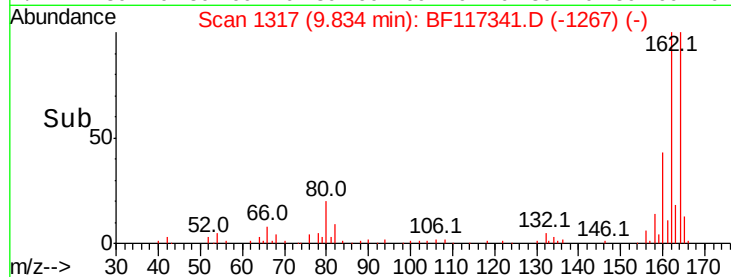
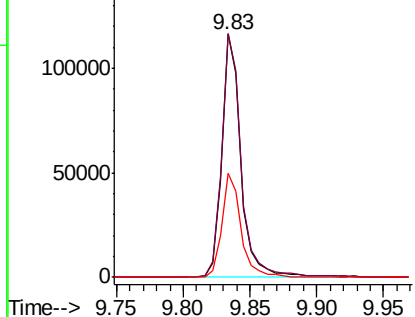
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF117341.D
Acq: 8 Oct 2019 15:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 117361
Ion Ratio Lower Upper
164 100
162 99.9 83.4 125.2
160 42.8 36.4 54.6

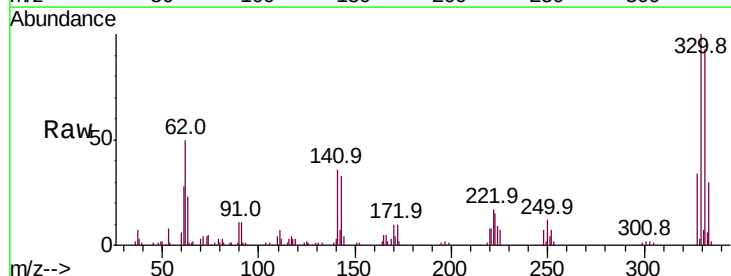


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

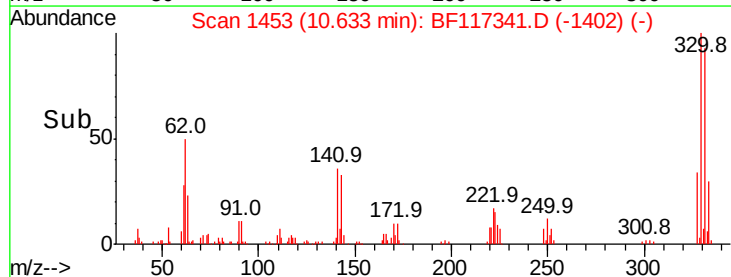
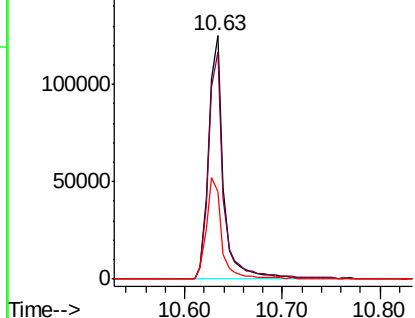


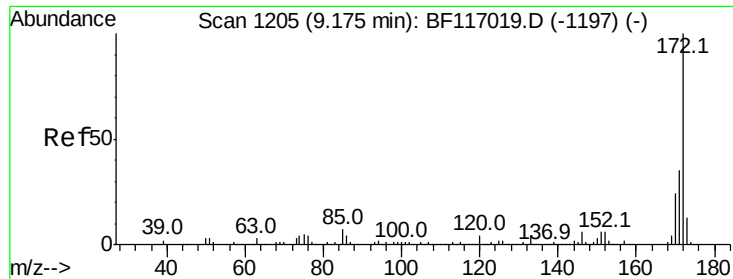
#42
2,4,6-Tribromophenol
Concen: 136.295 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF117341.D
Acq: 8 Oct 2019 15:32

Tgt Ion:330 Resp: 133688
Ion Ratio Lower Upper
330 100
332 94.2 78.0 117.0
141 43.1 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

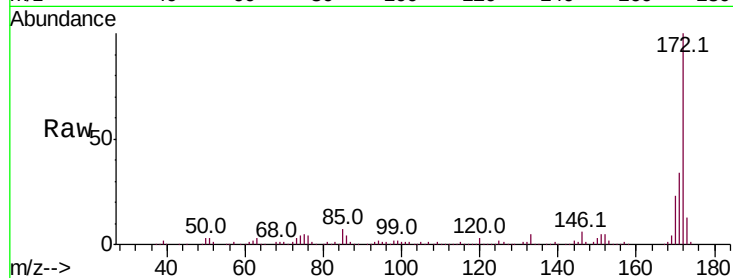




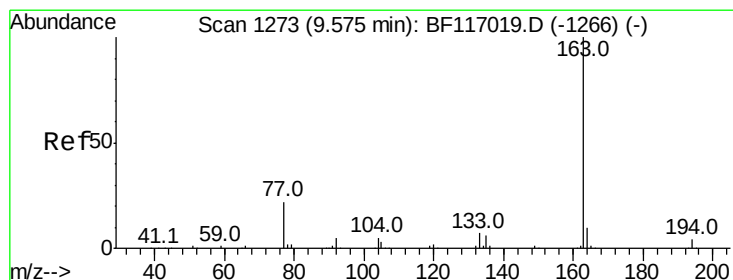
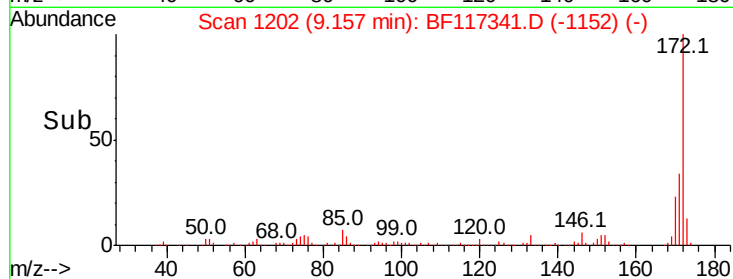
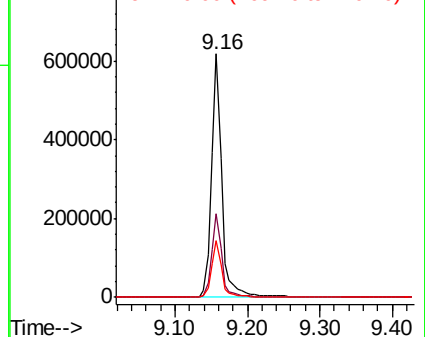
#45
 2-Fluorobiphenyl
 Concen: 81.647 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF117341.D
 Acq: 8 Oct 2019 15:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 612834
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.2 42.2
 170 23.2 18.9 28.3

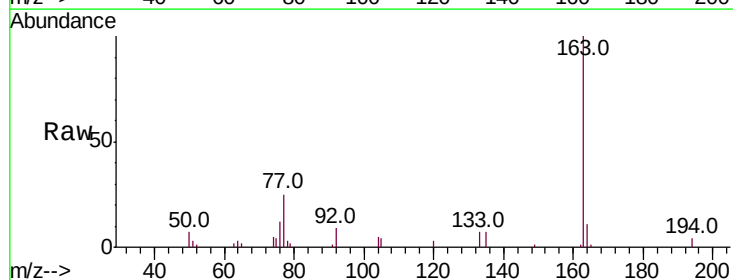


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

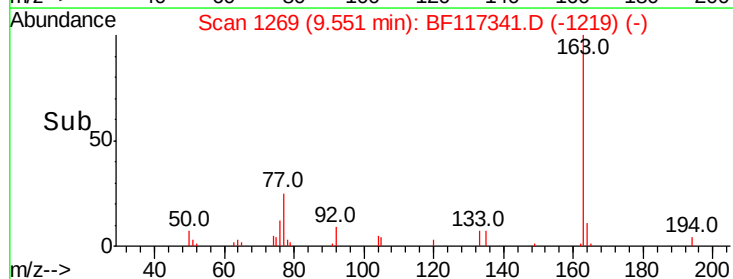
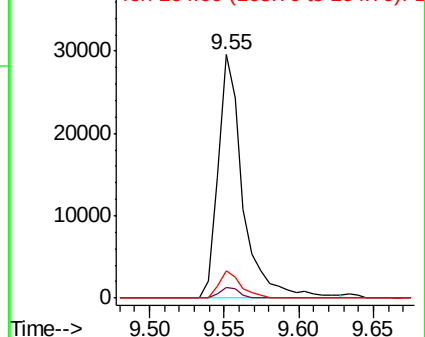


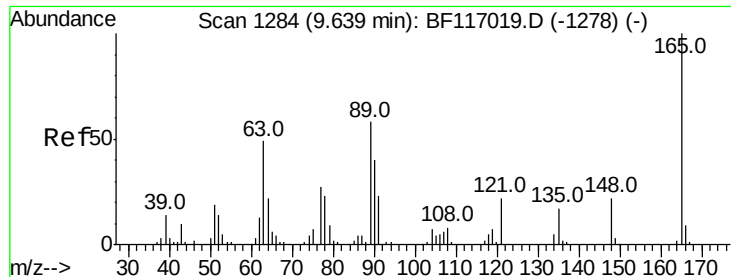
#50
 Dimethylphthalate
 Concen: 4.134 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF117341.D
 Acq: 8 Oct 2019 15:32

Tgt Ion:163 Resp: 34350
 Ion Ratio Lower Upper
 163 100
 194 4.3 2.9 4.3
 164 11.1 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

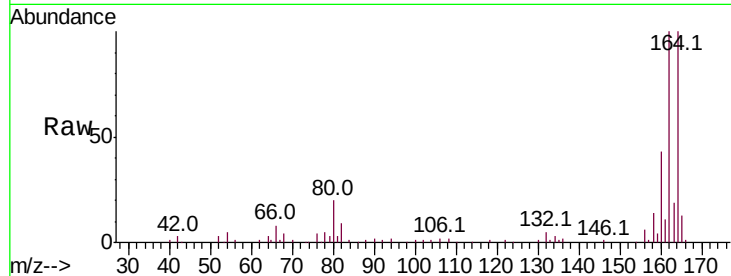




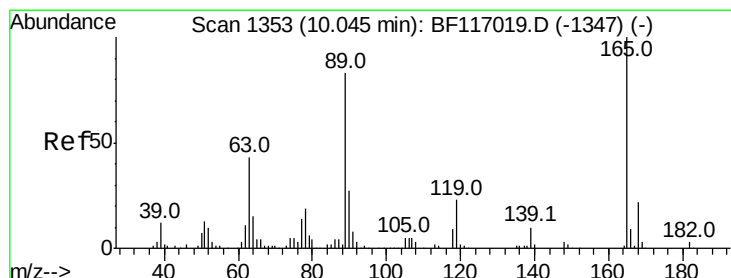
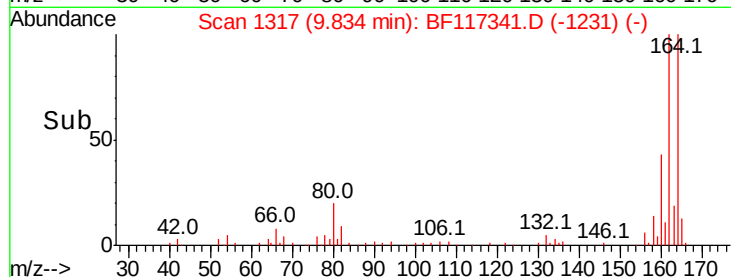
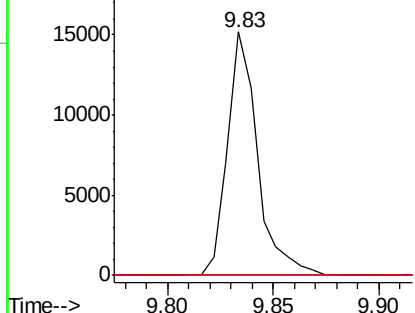
#51
 2,6-Dinitrotoluene
 Concen: 8.812 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.21 min
 Lab File: BF117341.D
 Acq: 8 Oct 2019 15:32

Instrument :
 BNA_F
 ClientSampleId :

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



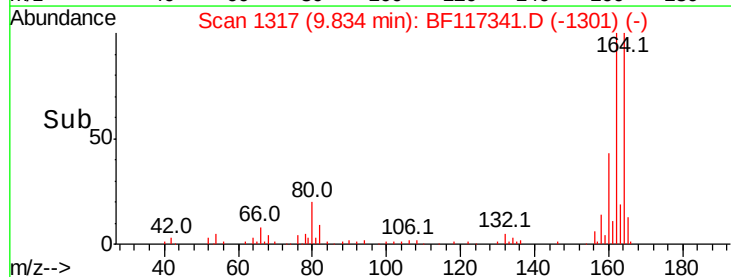
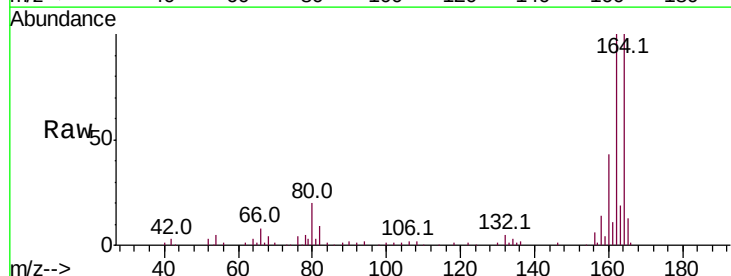
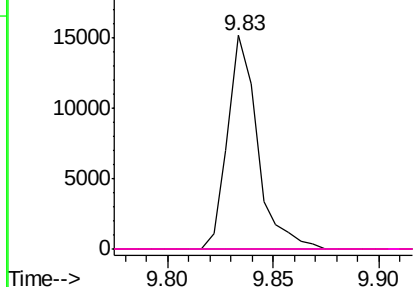
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

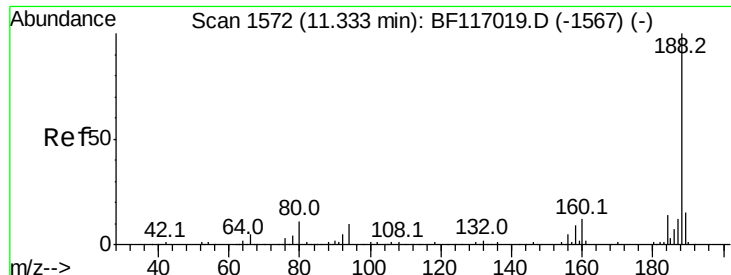


#57
 2,4-Dinitrotoluene
 Concen: 6.788 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF117341.D
 Acq: 8 Oct 2019 15:32

Tgt 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

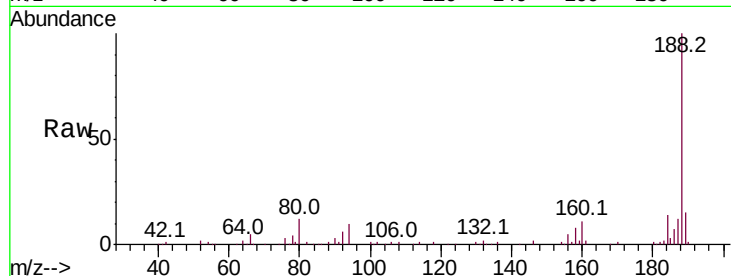




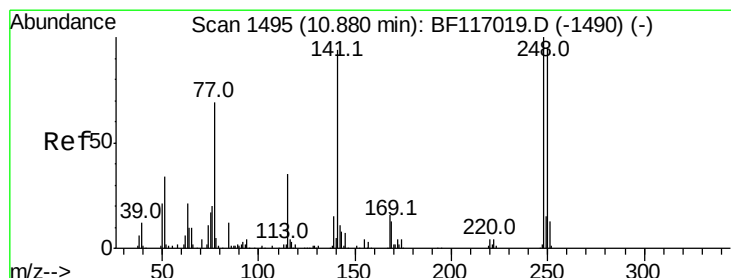
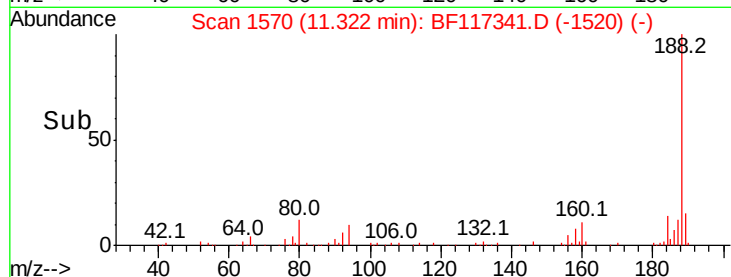
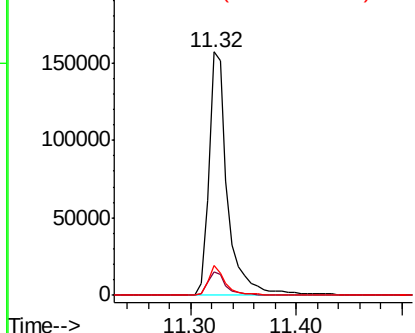
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF117341.D
 Acq: 8 Oct 2019 15:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.2
80	12.1	9.0	13.6

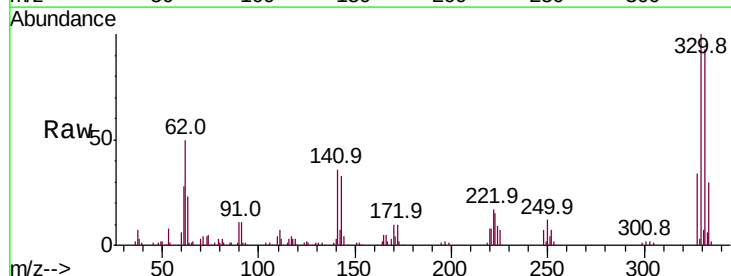


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

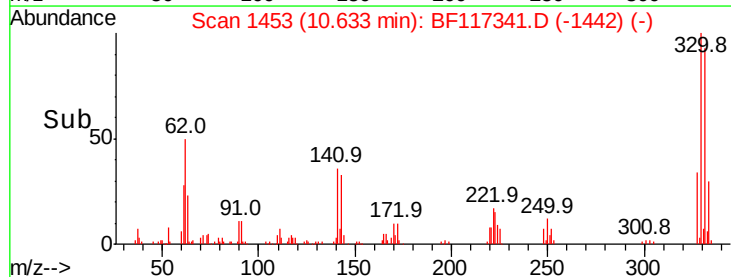
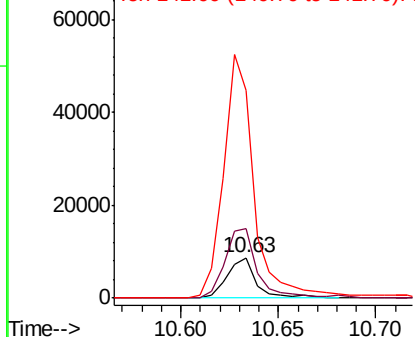


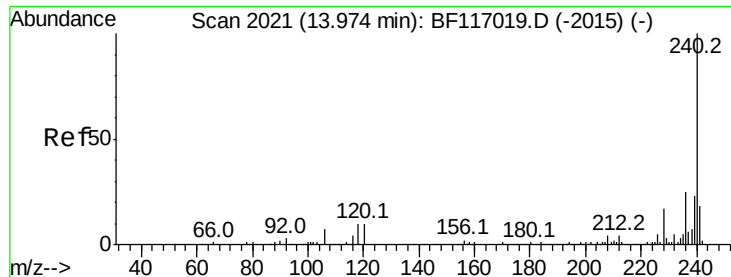
#67
 4-Bromophenyl-phenylether
 Concen: 4.531 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF117341.D
 Acq: 8 Oct 2019 15:32

Tgt Ion	Ratio	Lower	Upper
248	100		
250	173.2	76.2	114.4#
141	517.1	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

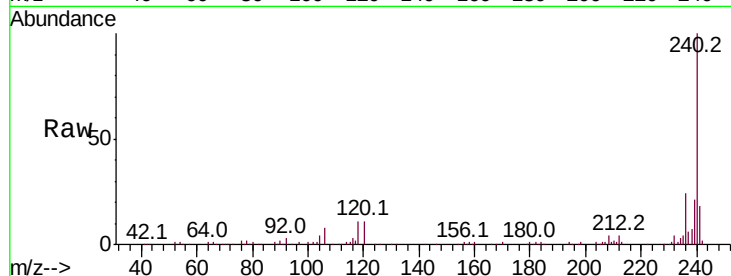




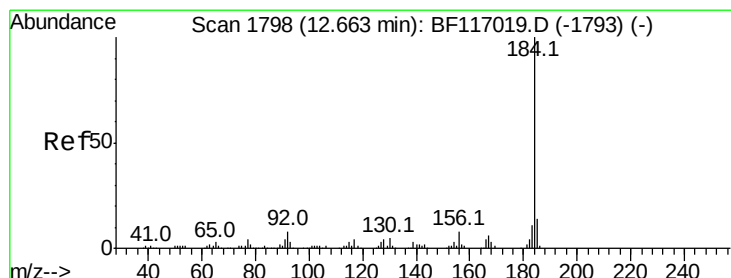
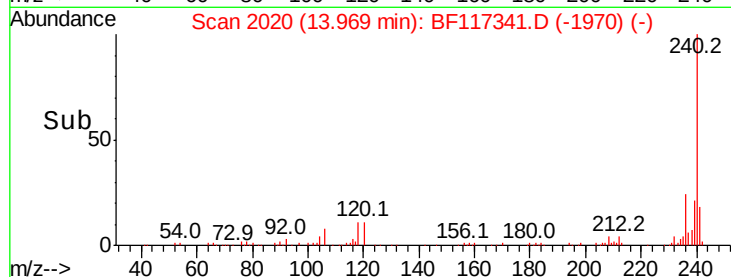
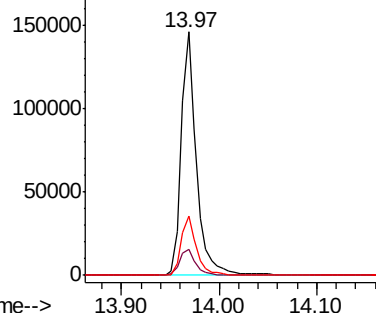
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117341.D
 Acq: 8 Oct 2019 15:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 157734
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.3 12.5
 236 24.2 20.3 30.5

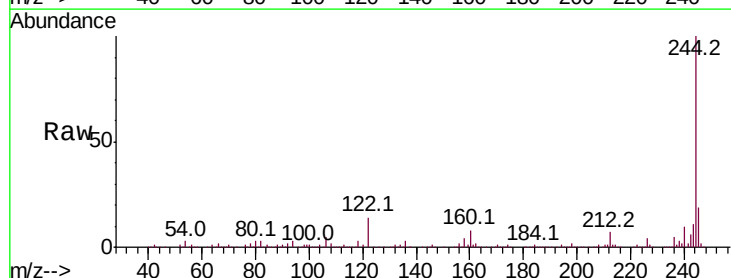


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

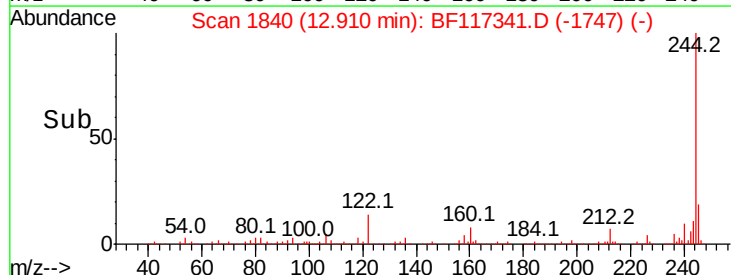
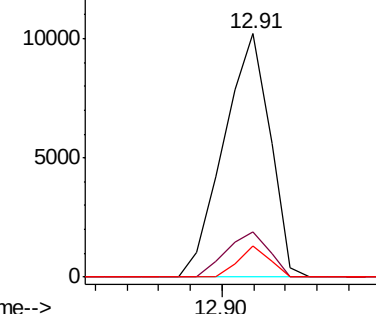


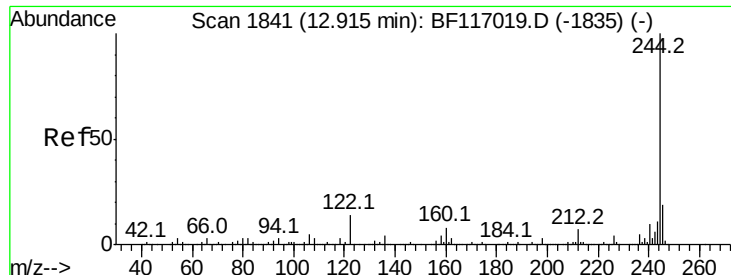
#77
 Benzidine
 Concen: 2.037 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.25 min
 Lab File: BF117341.D
 Acq: 8 Oct 2019 15:32

Tgt Ion:184 Resp: 10349
 Ion Ratio Lower Upper
 184 100
 185 18.3 11.6 17.4#
 183 12.7 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: 89.836 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF117341.D

Acq: 8 Oct 2019 15:32

Instrument :

BNA_F

ClientSampled :

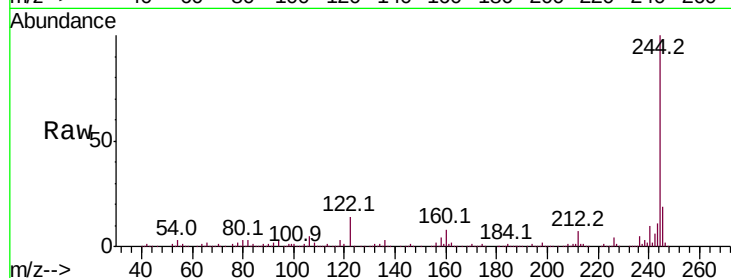
Tot Ion:244 Resp: 758077

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

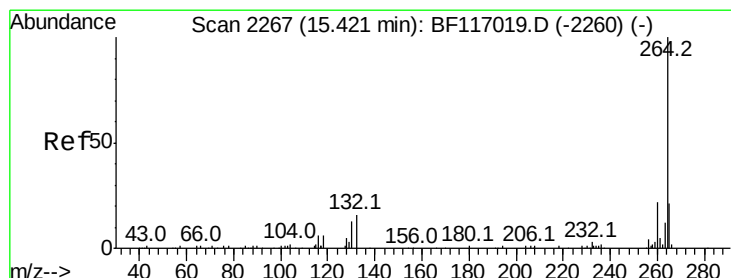
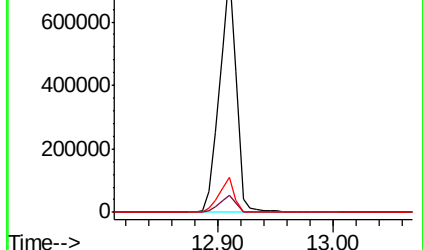
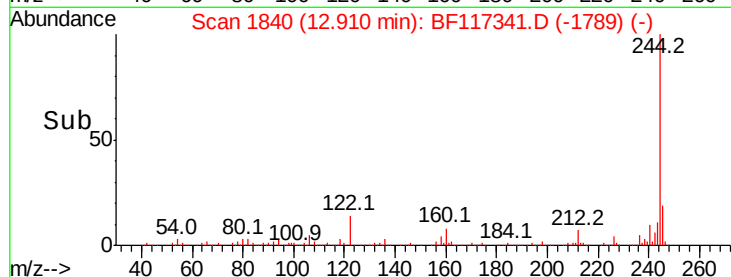
122 14.2 11.3 16.9



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# 2268

Delta R.T. 0.00 min

Lab File: BF117341.D

Acq: 8 Oct 2019 15:32

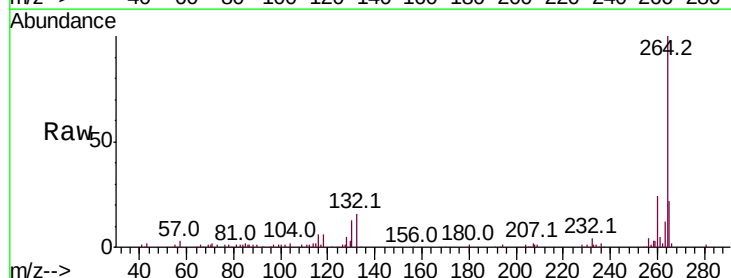
Tgt Ion:264 Resp: 150950

Ion Ratio Lower Upper

264 100

260 23.8 17.6 26.4

265 22.2 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

