

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117191.D
 Acq On : 20 Sep 2019 17:50
 Operator : HP/JU
 Sample : PB123274BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 23:00:45 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

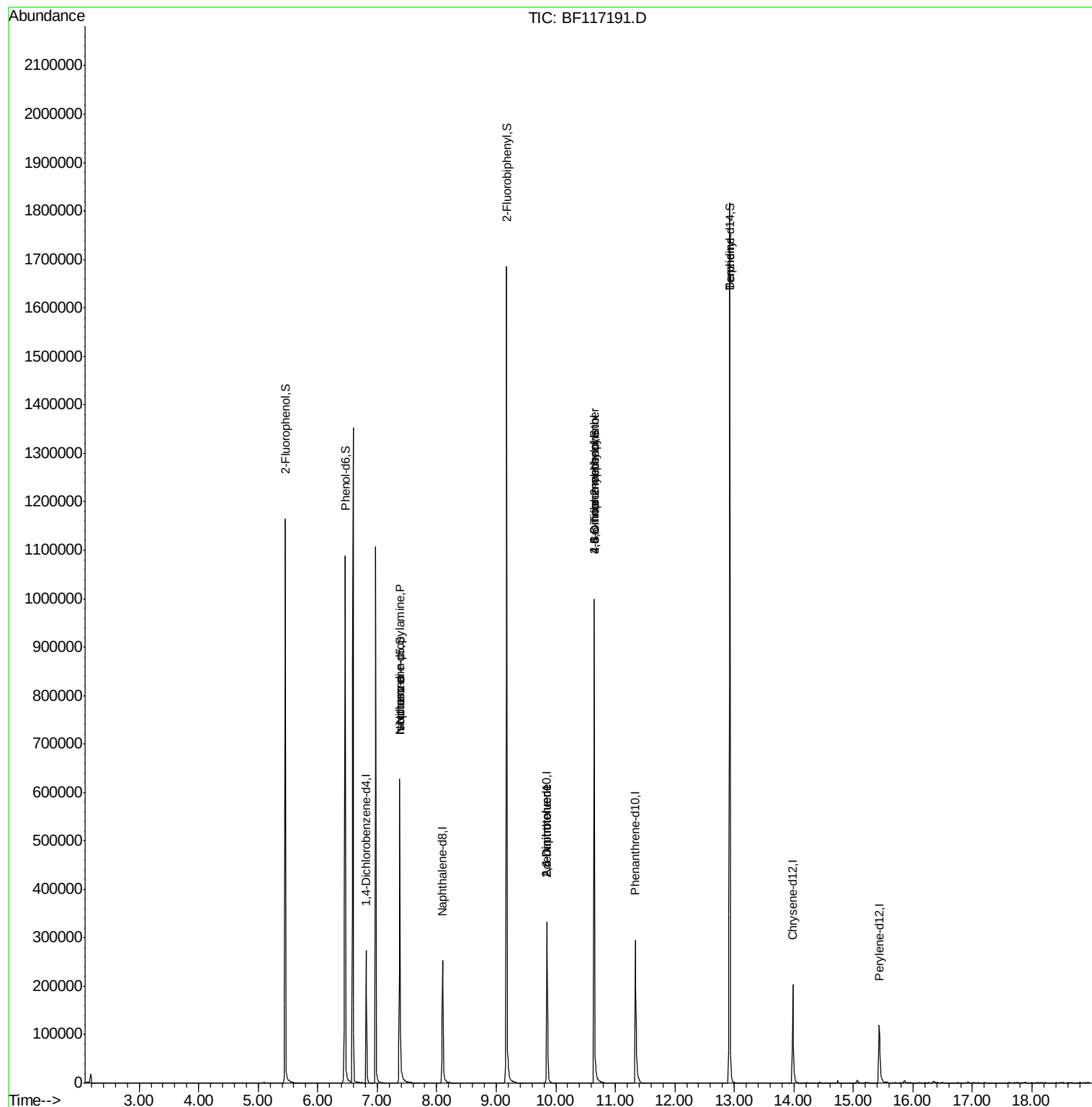
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	38915	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	155522	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	88338	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	151330	20.00	ng	0.00
76) Chrysene-d12	13.98	240	106731	20.00	ng	0.00
87) Perylene-d12	15.43	264	86176	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	331918	133.16	ng	0.02
7) Phenol-d6	6.46	99	446416	138.58	ng	0.00
23) Nitrobenzene-d5	7.38	82	288514	97.47	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	118789	160.89	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	583605	103.30	ng	0.00
79) Terphenyl-d14	12.93	244	638693	111.86	ng	0.01
Target Compounds						
9) Benzaldehyde	6.46	77	652	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.38	70	39397	20.085	ng	# 83
25) Isophorone	7.38	82	288511	55.051	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	10878	8.539	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	10878	6.578	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.65	198	135	7.070	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	7407	4.793	ng	# 1
77) Benzidine	12.93	184	9562	2.781	ng	# 93

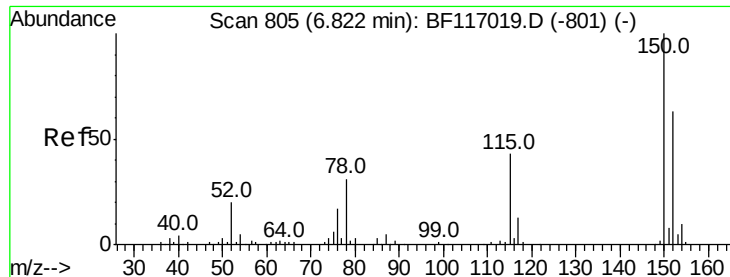
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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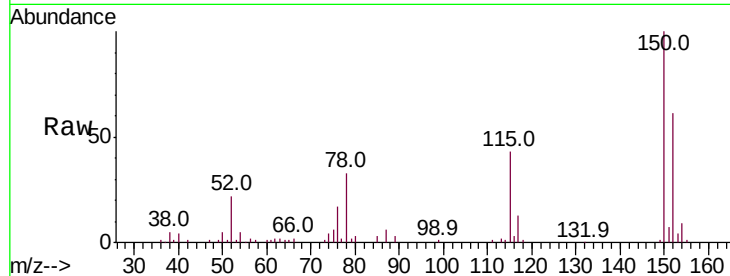


#1

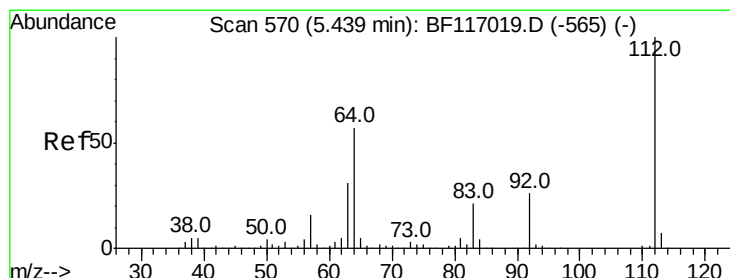
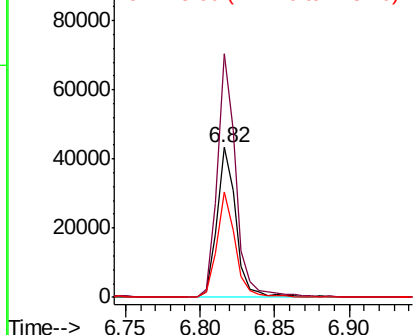
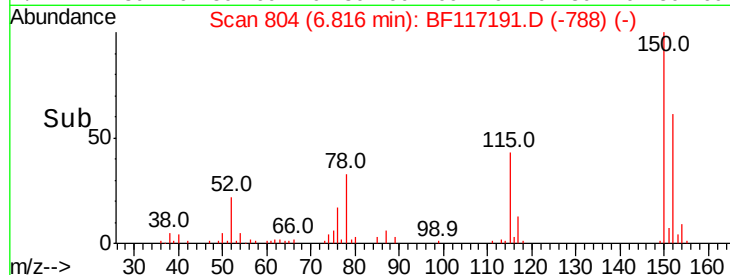
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117191.D
Acq: 20 Sep 2019 17:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 38915
Ion Ratio Lower Upper
152 100
150 162.6 127.5 191.3
115 70.2 55.0 82.4



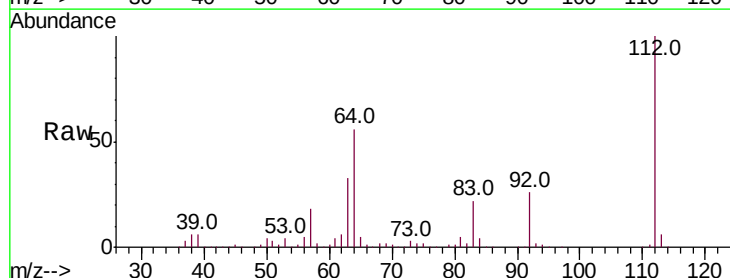
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



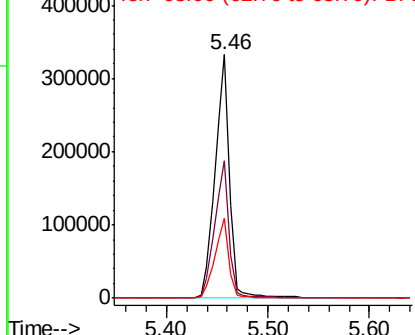
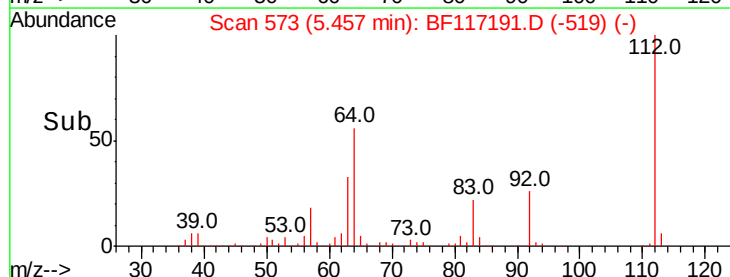
#5

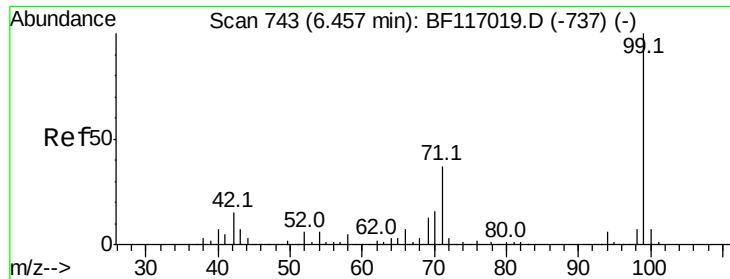
2-Fluorophenol
Concen: 133.164 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117191.D
Acq: 20 Sep 2019 17:50

Tgt Ion:112 Resp: 331918
Ion Ratio Lower Upper
112 100
64 56.3 45.7 68.5
63 33.0 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: 138.583 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117191.D

Acq: 20 Sep 2019 17:50

Instrument :

BNA_F

ClientSampled :

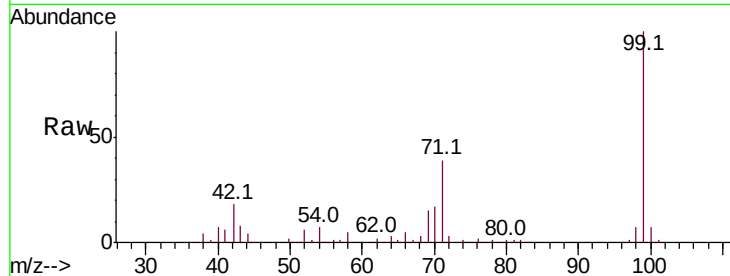
Tot Ion: 99 Resp: 446416

Ion Ratio Lower Upper

99 100

42 17.7 12.2 18.2

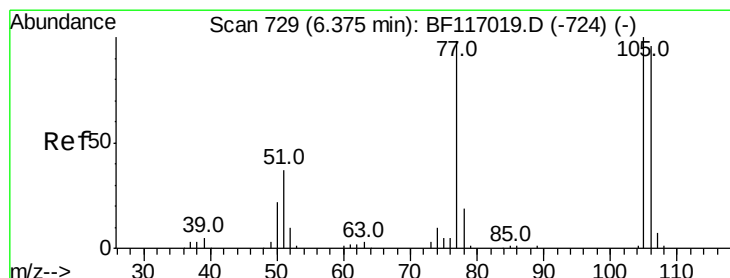
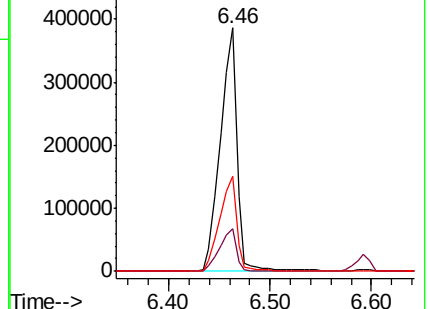
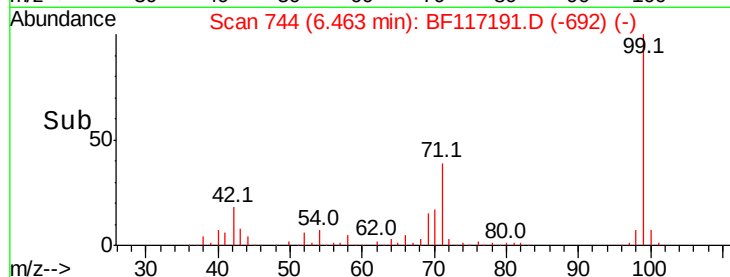
71 39.1 29.8 44.8



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: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF117191.D

Acq: 20 Sep 2019 17:50

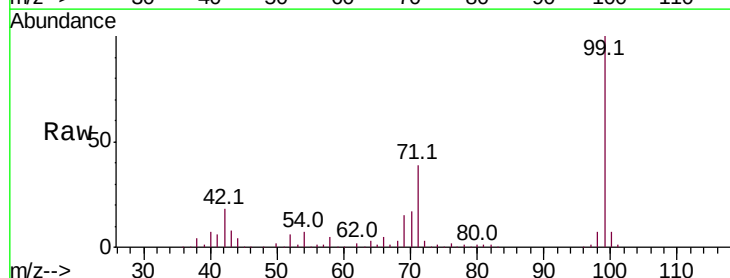
Tgt Ion: 77 Resp: 652

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

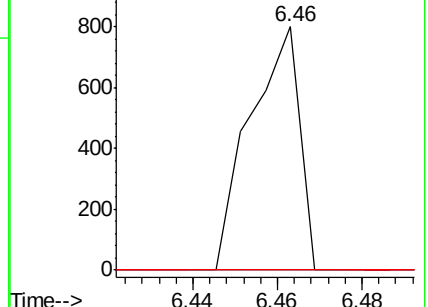
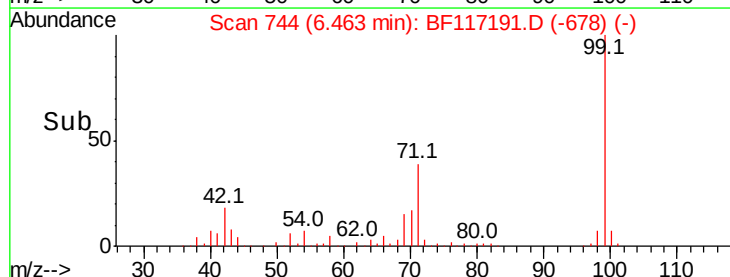
106 0.0 77.3 117.3#

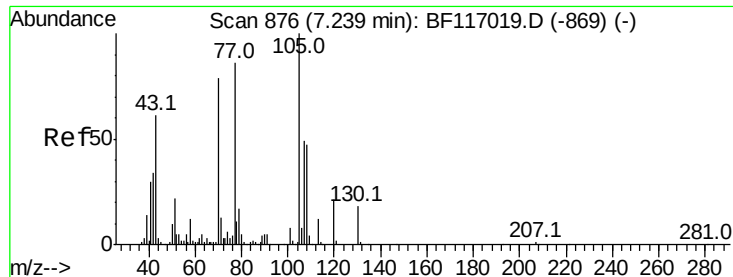


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

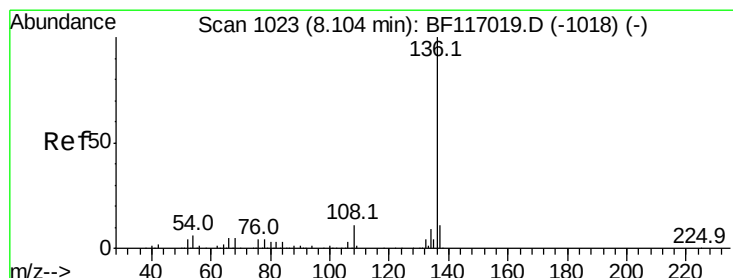
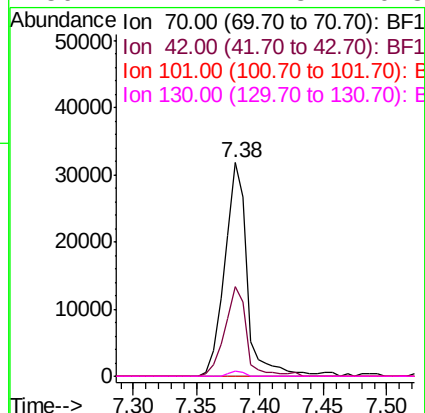
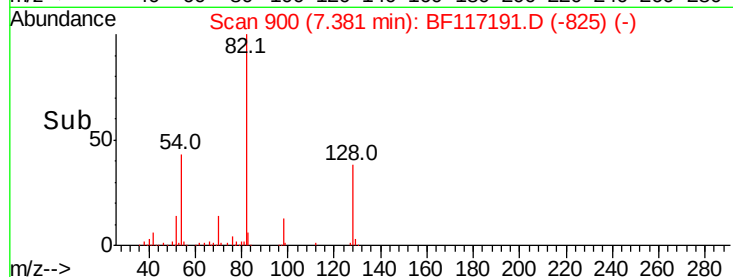
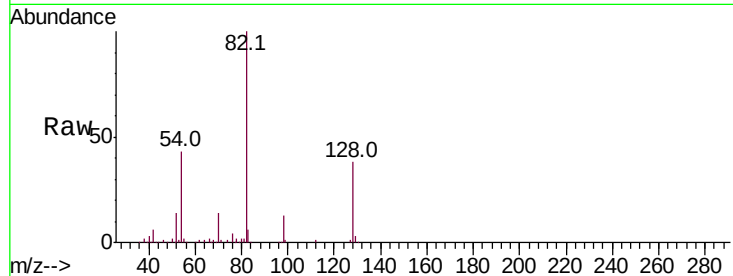




#19
n-Nitroso-di-n-propylamine
Concen: 20.085 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117191.D
Acq: 20 Sep 2019 17:50

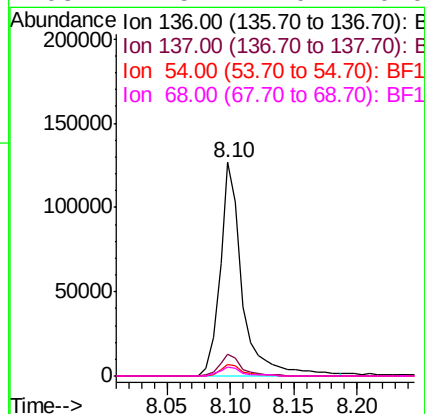
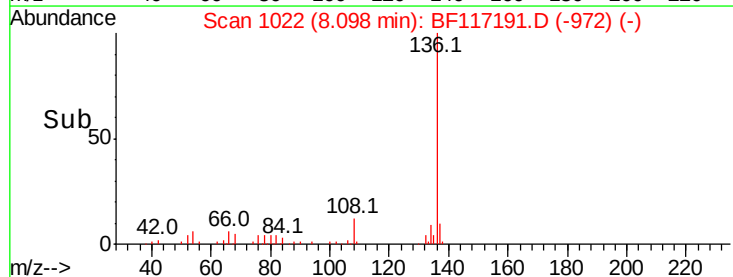
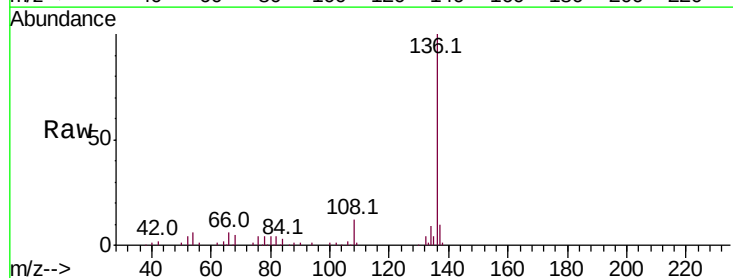
Instrument :
BNA_F
ClientSampled :

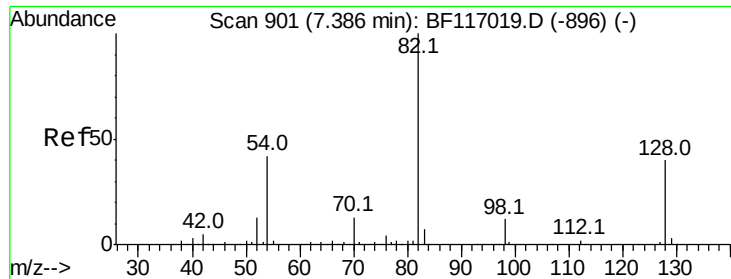
Tot Ion:	70	Resp:	39397
Ion Ratio	Lower	Upper	
70	100		
42	41.7	34.0	51.0
101	0.0	7.8	11.6#
130	2.2	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117191.D
Acq: 20 Sep 2019 17:50

Tgt Ion:	136	Resp:	155522
Ion Ratio	Lower	Upper	
136	100		
137	10.0	9.0	13.4
54	5.6	4.5	6.7
68	4.5	4.0	6.0

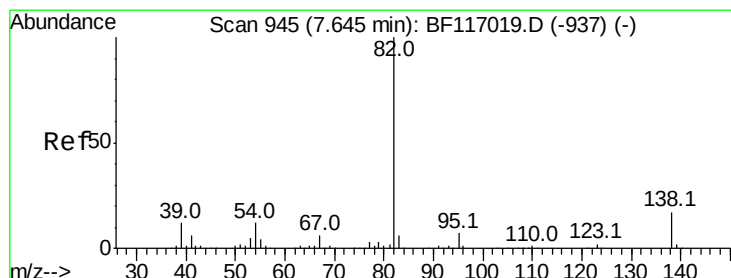
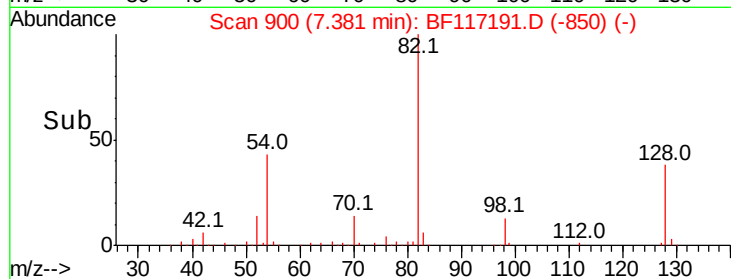
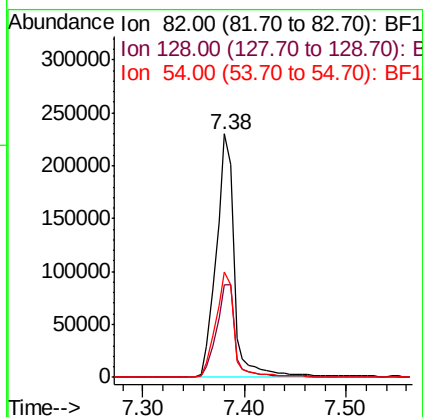
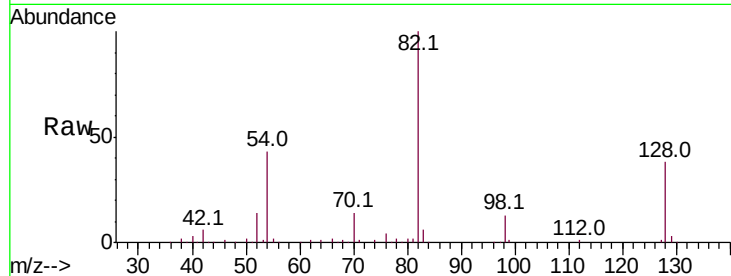




#23
 Nitrobenzene-d5
 Concen: 97.473 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117191.D
 Acq: 20 Sep 2019 17:50

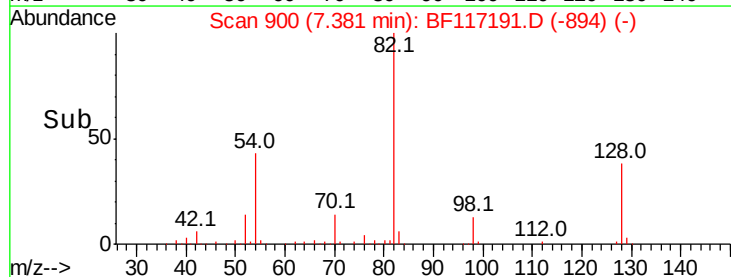
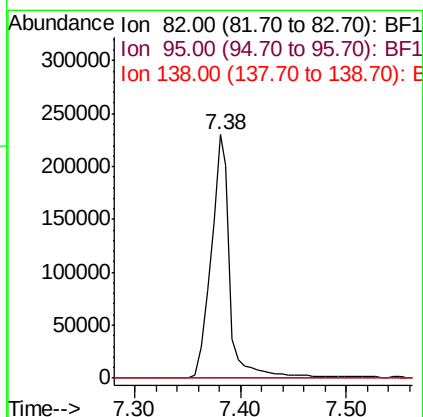
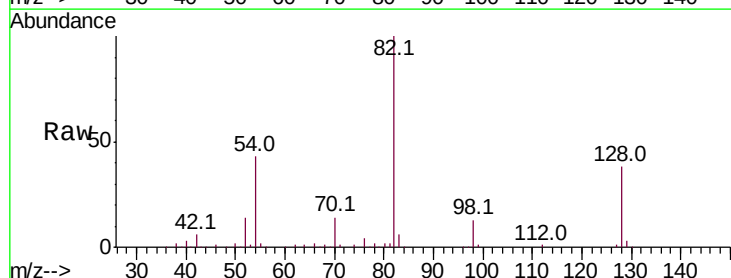
Instrument :
 BNA_F
 ClientSampleId :

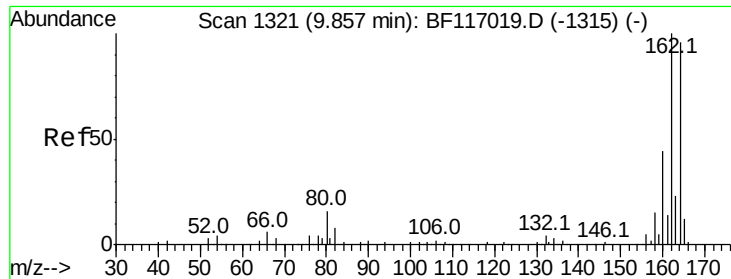
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.2	32.3	48.5
54	43.3	33.3	49.9



#25
 Isophorone
 Concen: 55.051 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117191.D
 Acq: 20 Sep 2019 17:50

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

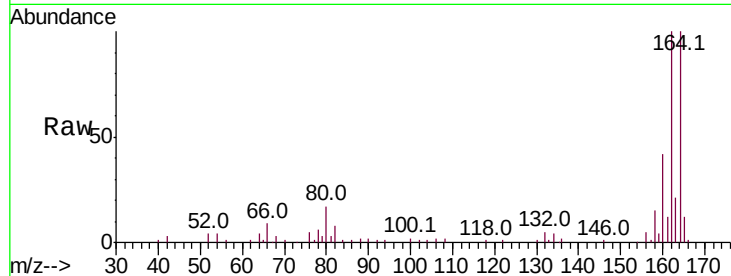




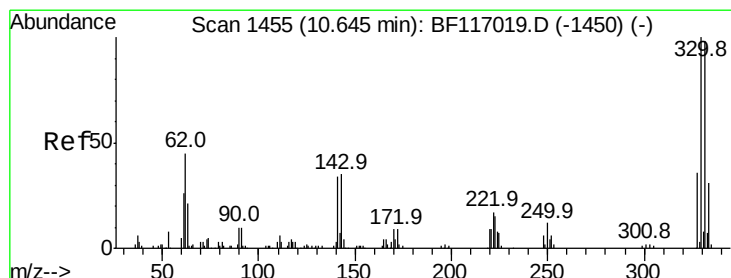
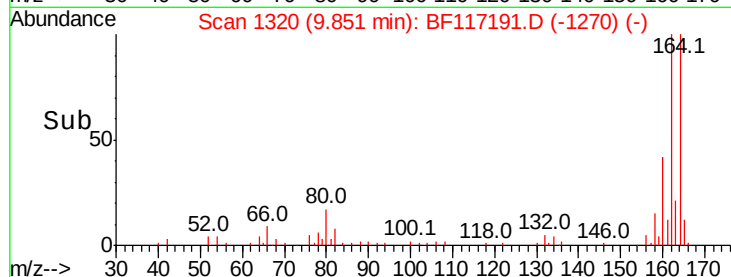
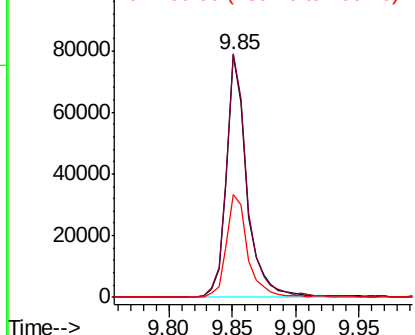
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117191.D
Acq: 20 Sep 2019 17:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 88338
Ion Ratio Lower Upper
164 100
162 100.2 83.4 125.2
160 42.4 36.4 54.6

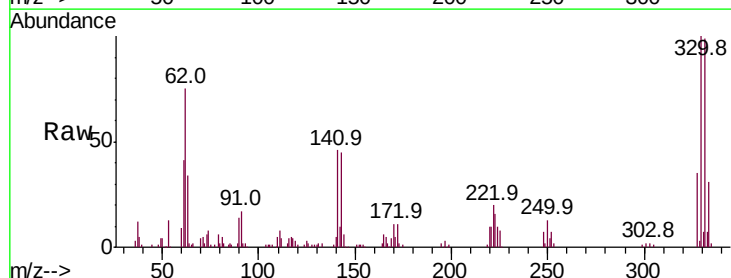


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

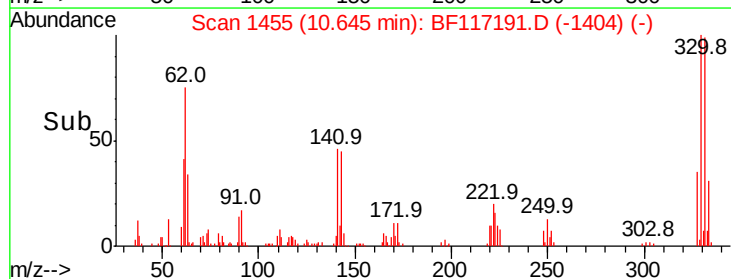
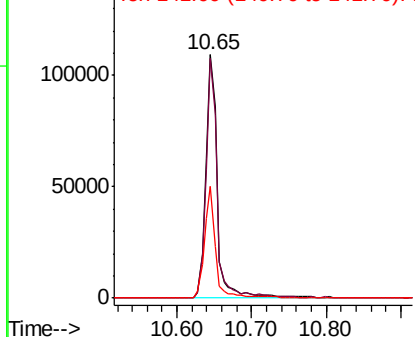


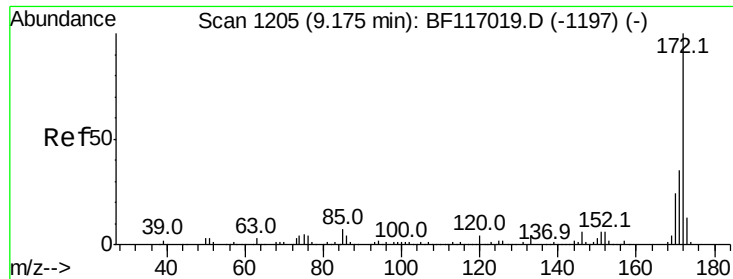
#42
2,4,6-Tribromophenol
Concen: 160.895 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF117191.D
Acq: 20 Sep 2019 17:50

Tgt Ion:330 Resp: 118789
Ion Ratio Lower Upper
330 100
332 94.8 78.0 117.0
141 44.0 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

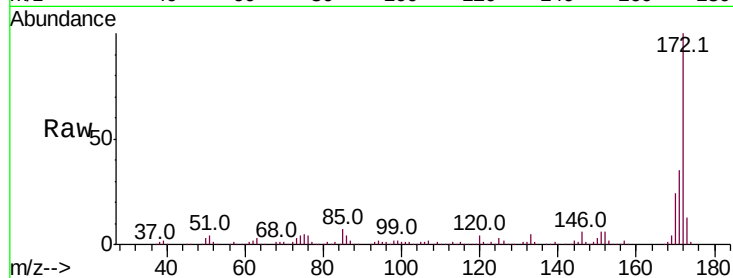




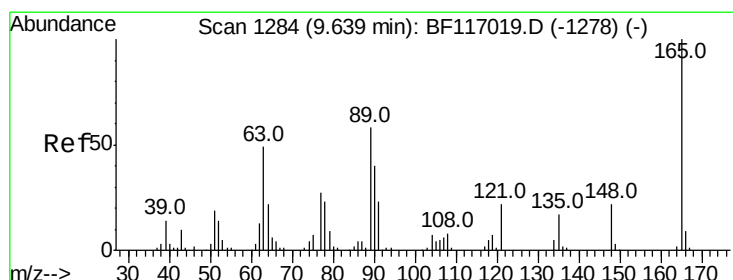
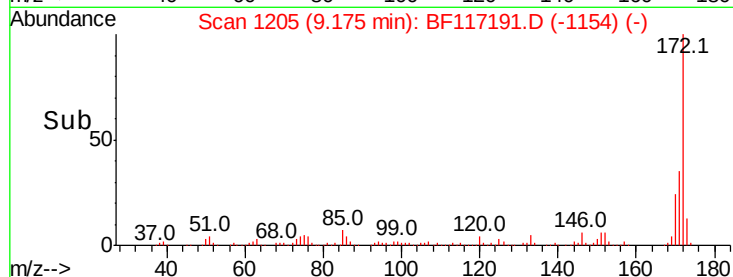
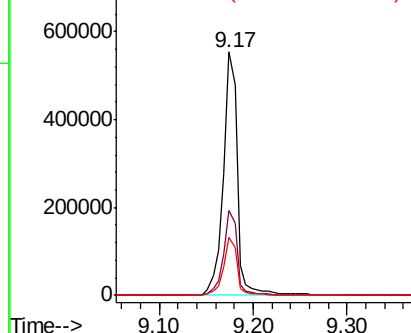
#45
 2-Fluorobiphenyl
 Concen: 103.298 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117191.D
 Acq: 20 Sep 2019 17:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	23.9	18.9	28.3

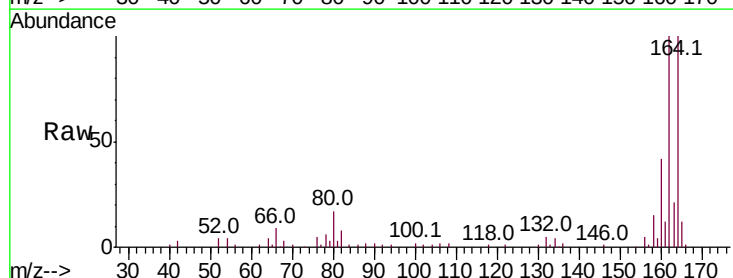


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

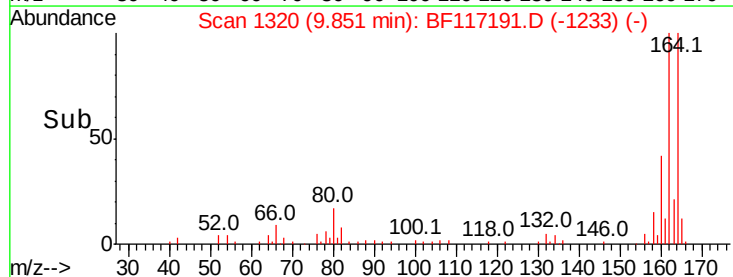
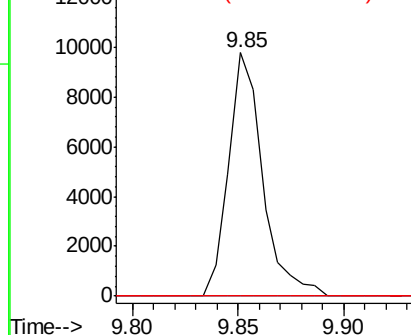


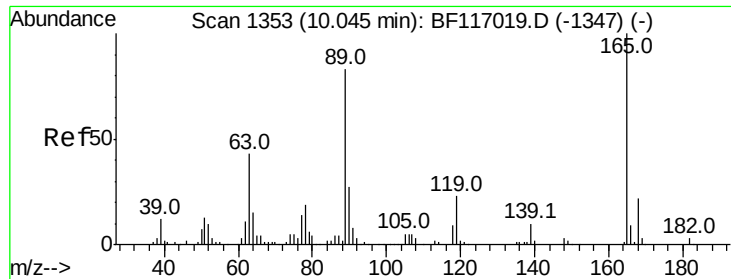
#51
 2,6-Dinitrotoluene
 Concen: 8.539 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117191.D
 Acq: 20 Sep 2019 17:50

Tgt 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

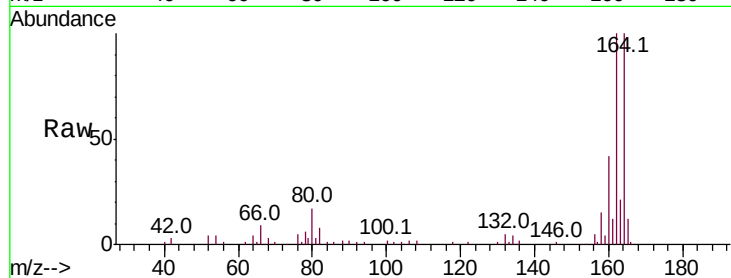




#57
 2,4-Dinitrotoluene
 Concen: 6.578 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117191.D
 Acq: 20 Sep 2019 17:50

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#

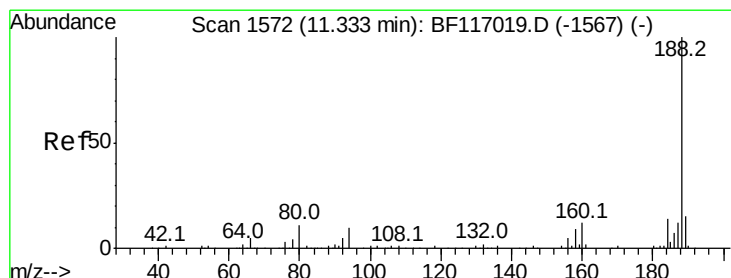
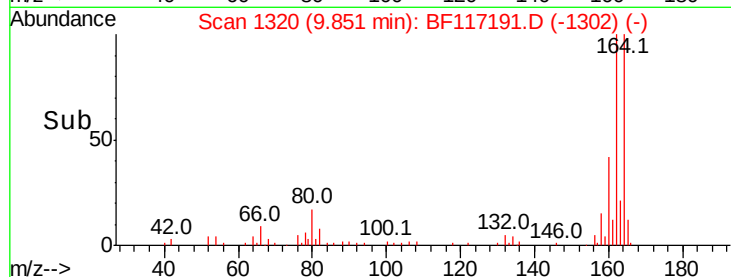
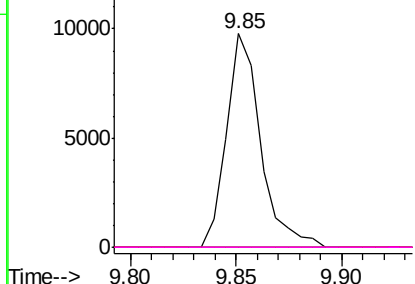


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

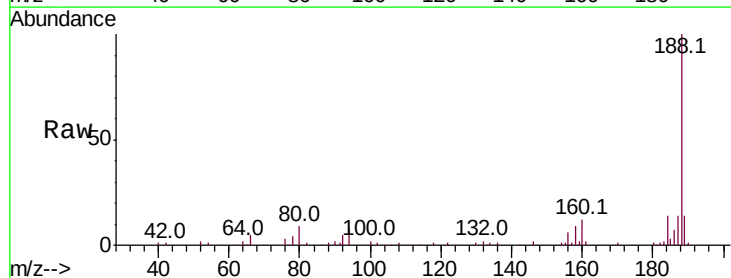
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF117191.D
 Acq: 20 Sep 2019 17:50

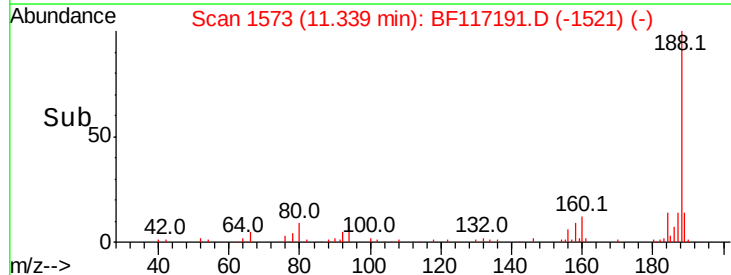
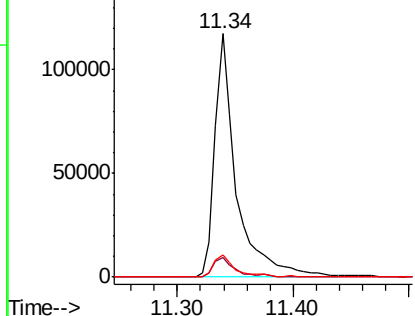
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	9.1	9.0	13.6

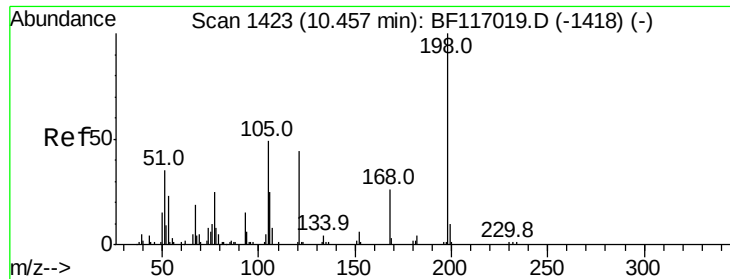


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.070 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF117191.D

Acq: 20 Sep 2019 17:50

Instrument :

BNA_F

ClientSampleId :

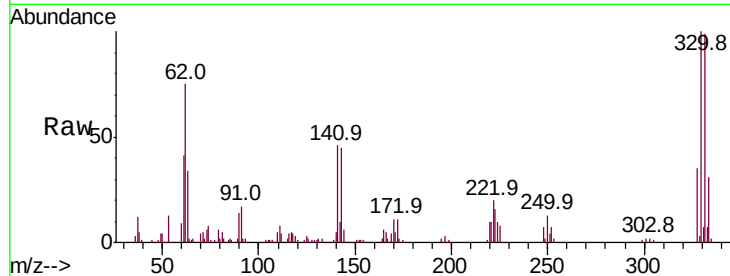
Tot Ion:198 Resp: 135

Ion Ratio Lower Upper

198 100

51 141.3 18.7 58.7#

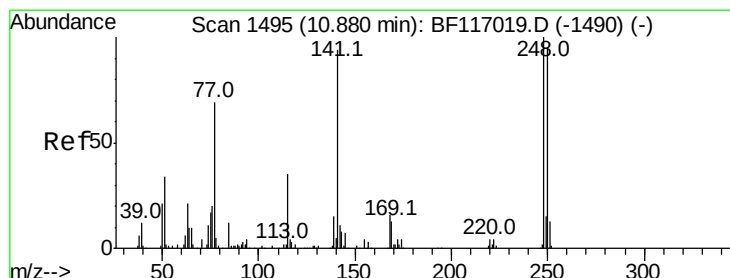
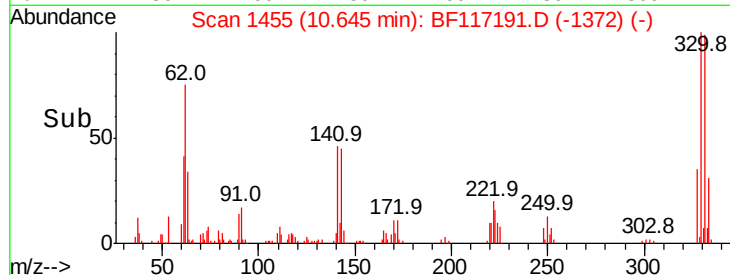
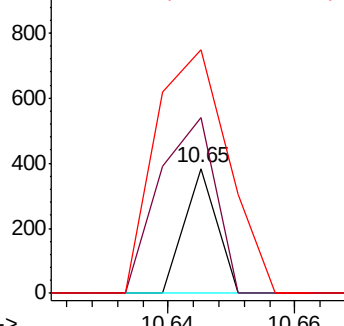
105 195.3 30.2 70.2#



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



#67

4-Bromophenyl-phenylether

Concen: 4.793 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF117191.D

Acq: 20 Sep 2019 17:50

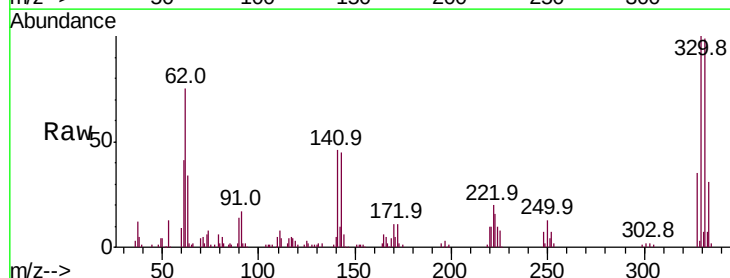
Tgt Ion:248 Resp: 7407

Ion Ratio Lower Upper

248 100

250 185.8 76.2 114.4#

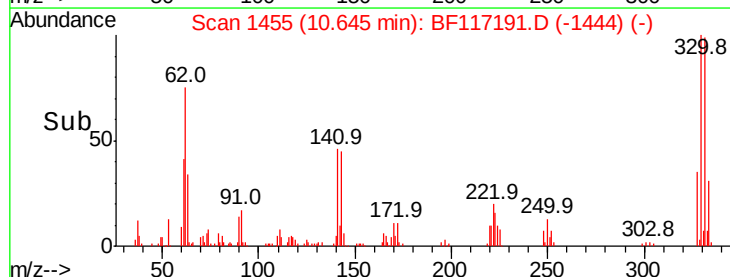
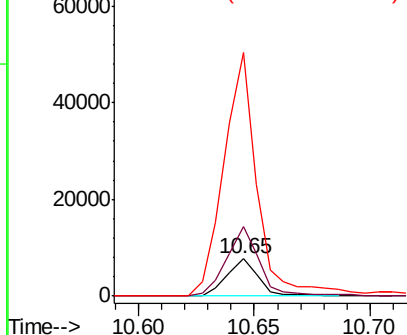
141 649.3 75.0 112.4#

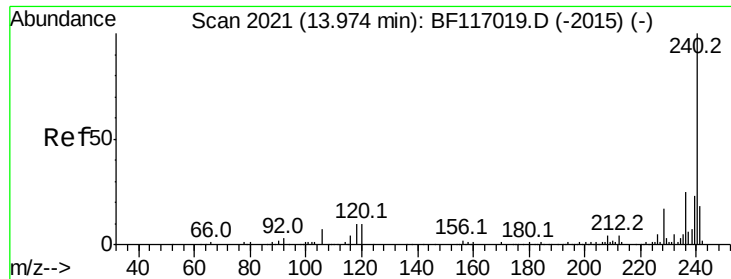


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

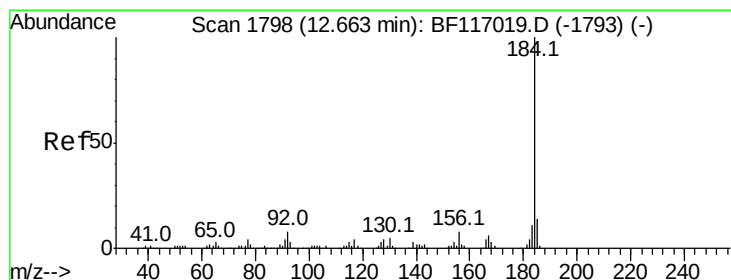
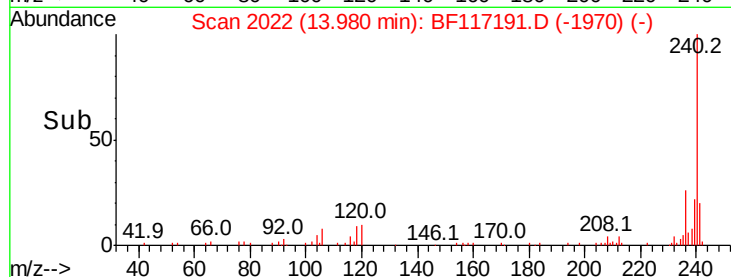
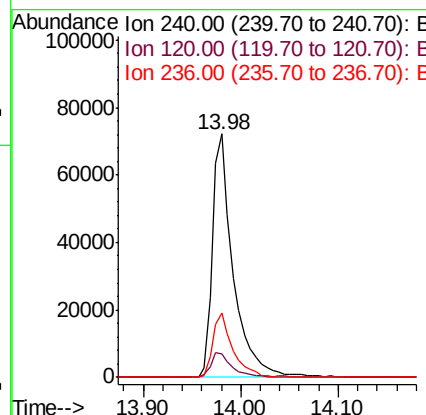
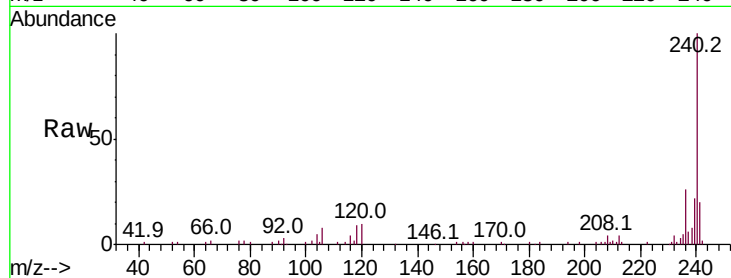




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF117191.D
 Acq: 20 Sep 2019 17:50

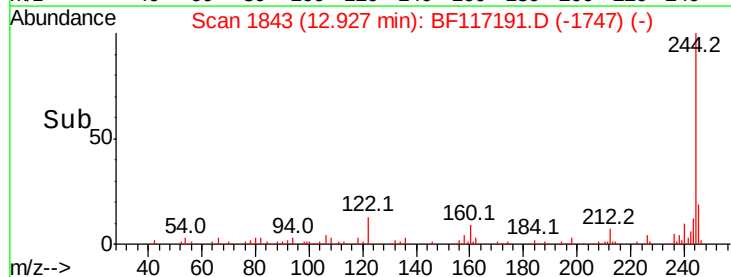
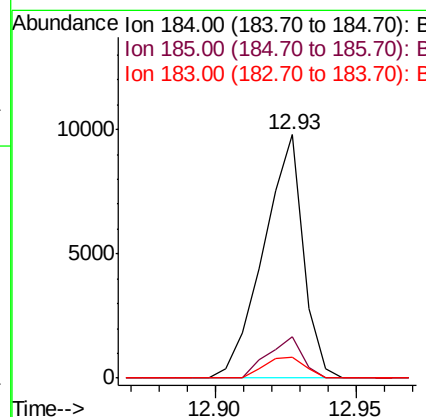
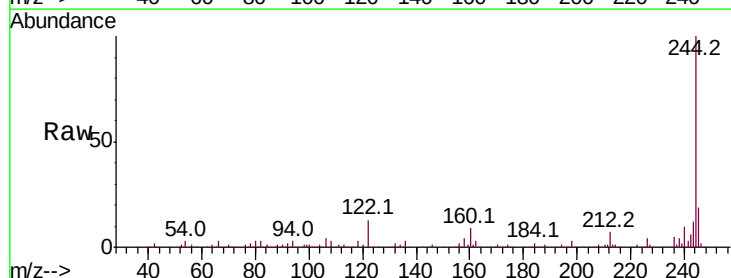
Instrument :
 BNA_F
 ClientSampled :

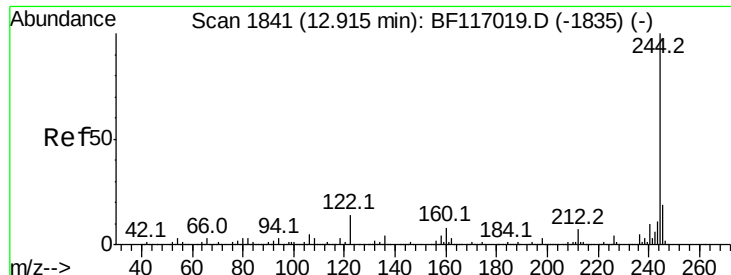
Tot Ion:240 Resp: 106731
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.3 12.5
 236 26.3 20.3 30.5



#77
 Benzidine
 Concen: 2.781 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.26 min
 Lab File: BF117191.D
 Acq: 20 Sep 2019 17:50

Tgt Ion:184 Resp: 9562
 Ion Ratio Lower Upper
 184 100
 185 17.0 11.6 17.4
 183 8.5 9.0 13.4#





#79

Terphenyl-d14

Concen: 111.857 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF117191.D

Acq: 20 Sep 2019 17:50

Instrument :

BNA_F

ClientSampleId :

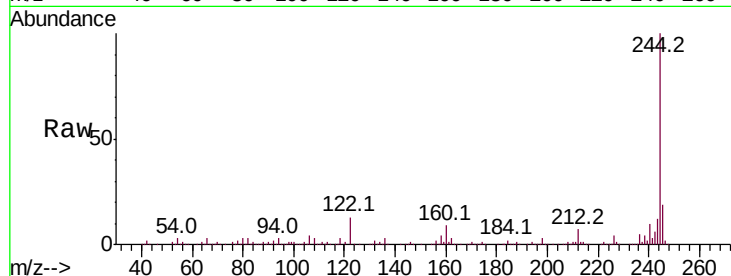
Tot Ion:244 Resp: 638693

Ion Ratio Lower Upper

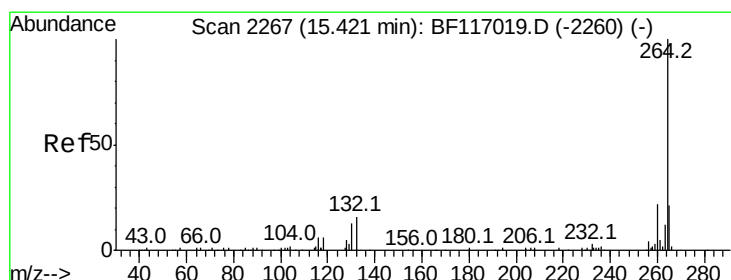
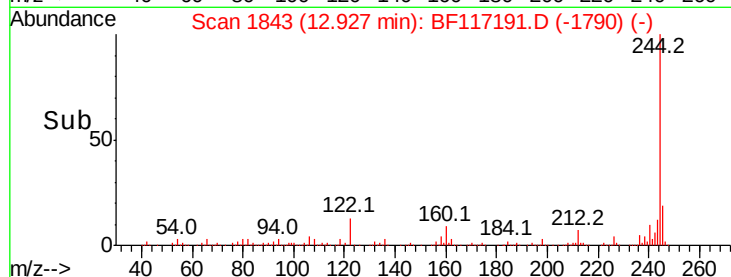
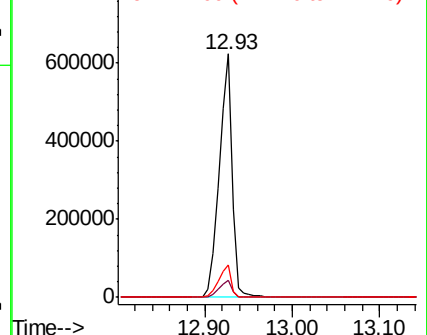
244 100

212 7.0 5.8 8.8

122 13.2 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# 2269

Delta R.T. 0.01 min

Lab File: BF117191.D

Acq: 20 Sep 2019 17:50

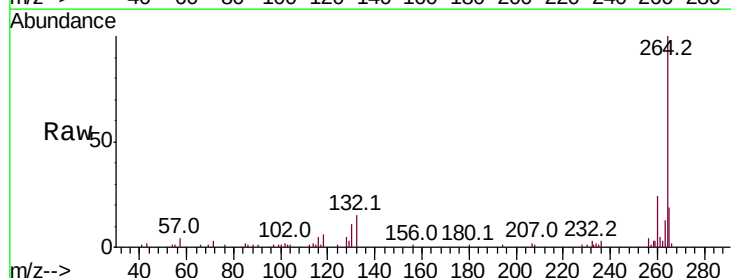
Tgt Ion:264 Resp: 86176

Ion Ratio Lower Upper

264 100

260 23.6 17.6 26.4

265 19.0 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

