

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117193.D
 Acq On : 20 Sep 2019 18:43
 Operator : HP/JU
 Sample : PB123268BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 23:01:02 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

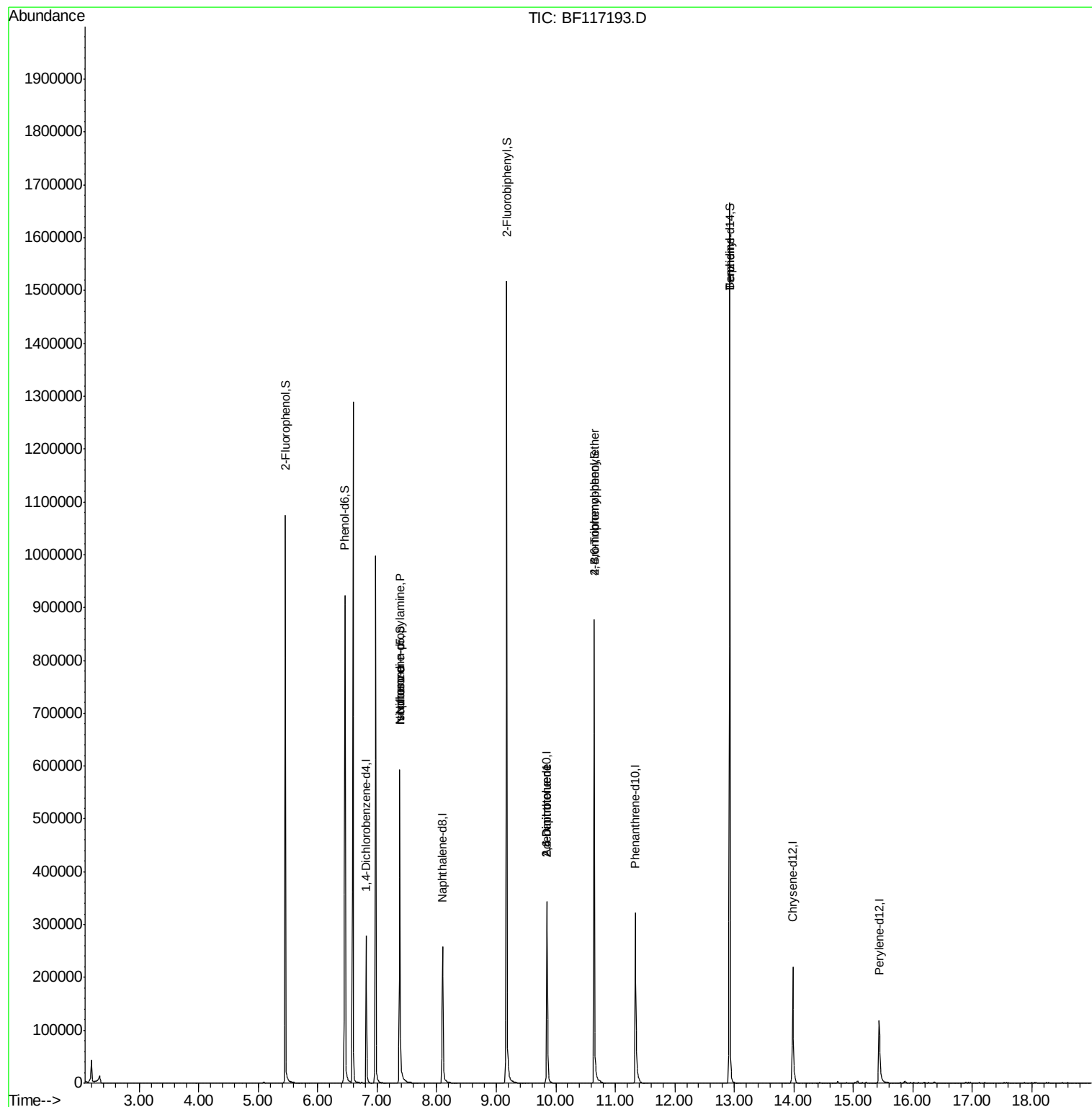
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	39637	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	161848	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	90682	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	159987	20.00	ng	0.00
76) Chrysene-d12	13.98	240	112349	20.00	ng	0.00
87) Perylene-d12	15.43	264	89430	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	290420	114.39	ng	0.02
7) Phenol-d6	6.46	99	402878	122.79	ng	0.00
23) Nitrobenzene-d5	7.38	82	258389	83.88	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	104518	137.91	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	524607	90.45	ng	0.00
79) Terphenyl-d14	12.93	244	585013	97.33	ng	0.01
Target Compounds						
9) Benzaldehyde	6.46	77	422	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.38	70	35913	17.975	ng	# 84
25) Isophorone	7.38	82	258387	47.376	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	11464	8.767	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	11464	6.754	ng	# 18
67) 4-Bromophenyl-phenylether	10.65	248	6769	4.143	ng	# 1
77) Benzidine	12.93	184	9031	2.495	ng	# 91

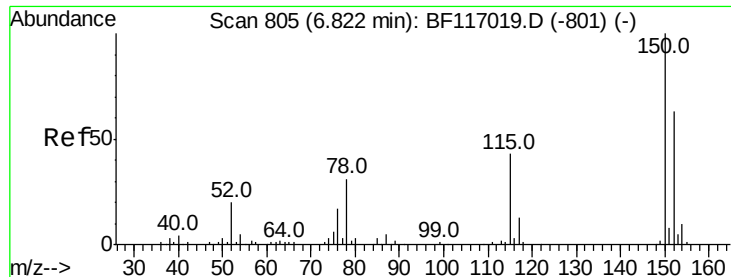
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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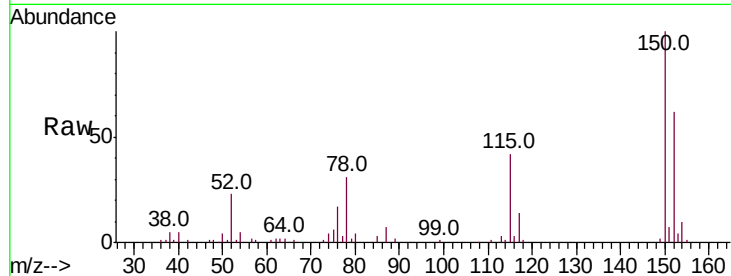


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117193.D
Acq: 20 Sep 2019 18:43

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	127.5	191.3
115	66.8	55.0	82.4

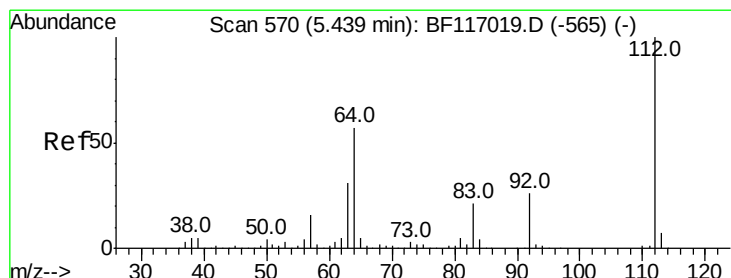
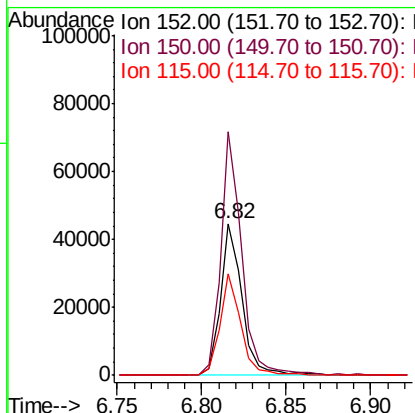
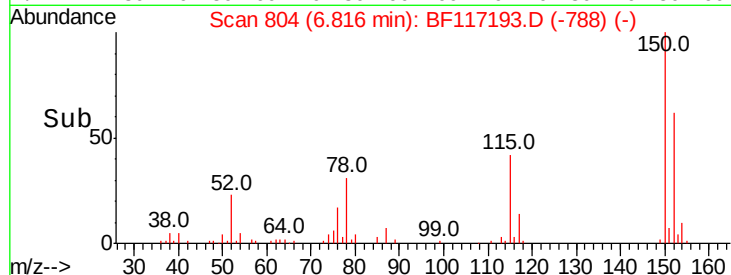


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

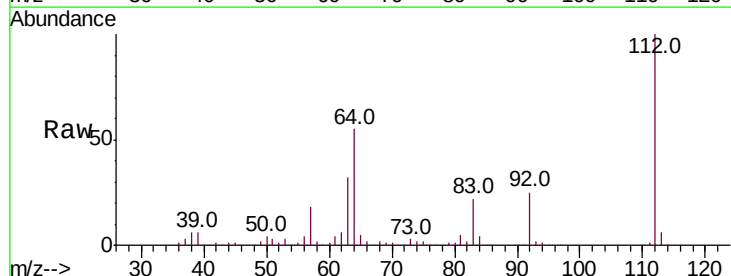
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 114.392 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117193.D
Acq: 20 Sep 2019 18:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	45.7	68.5
63	31.7	24.9	37.3

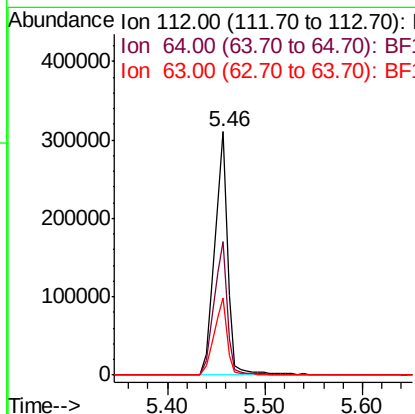
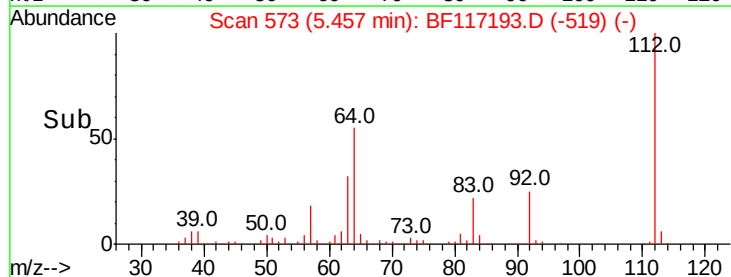


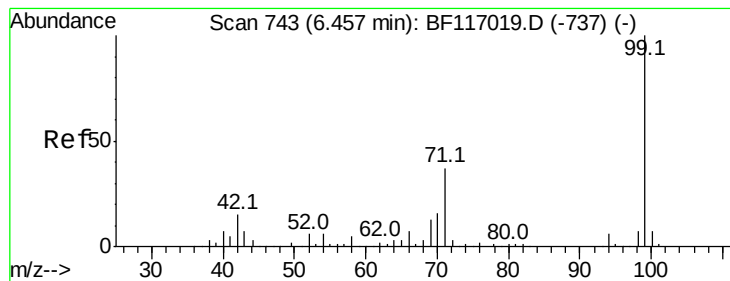
Abundance

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: 122.789 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117193.D

Acq: 20 Sep 2019 18:43

Instrument :

BNA_F

ClientSampled :

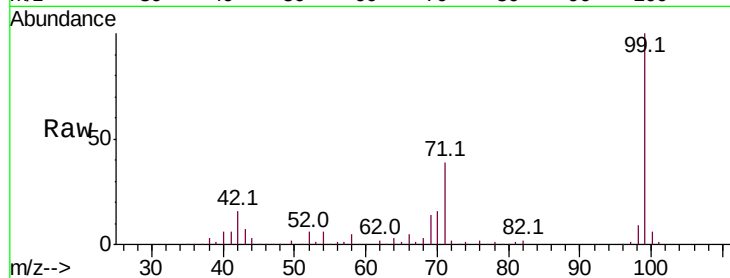
Tot Ion: 99 Resp: 402878

Ion Ratio Lower Upper

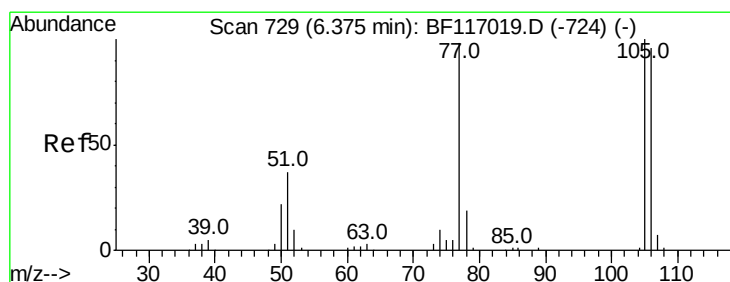
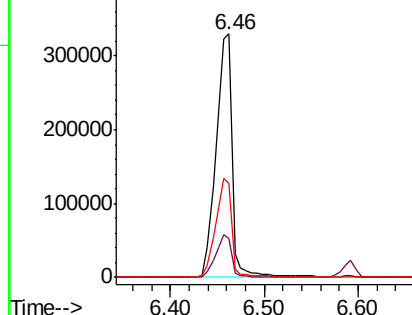
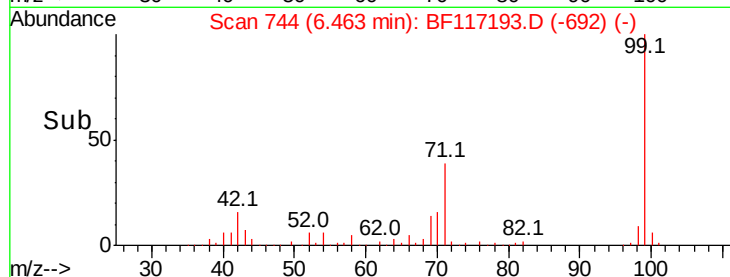
99 100

42 16.0 12.2 18.2

71 38.7 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: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF117193.D

Acq: 20 Sep 2019 18:43

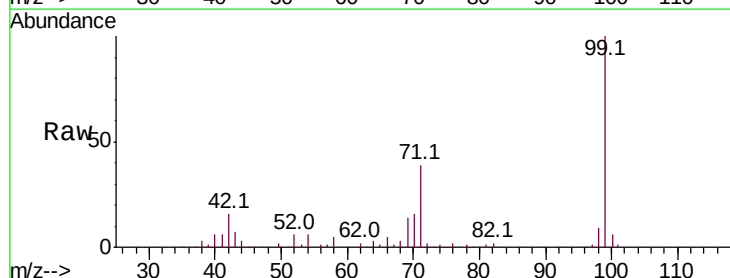
Tgt Ion: 77 Resp: 422

Ion Ratio Lower Upper

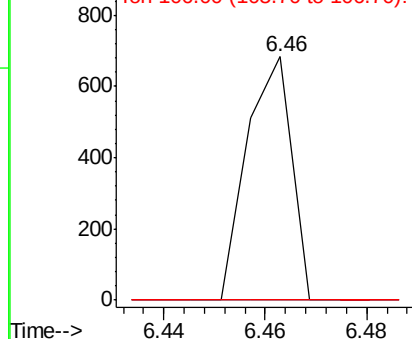
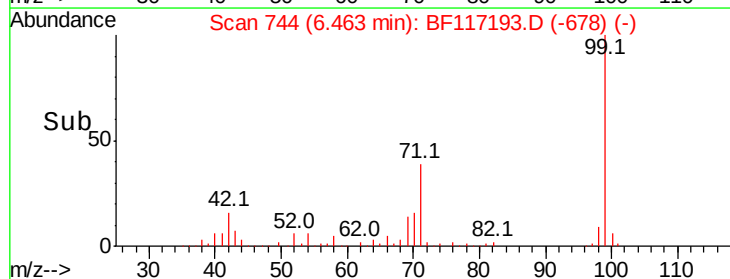
77 100

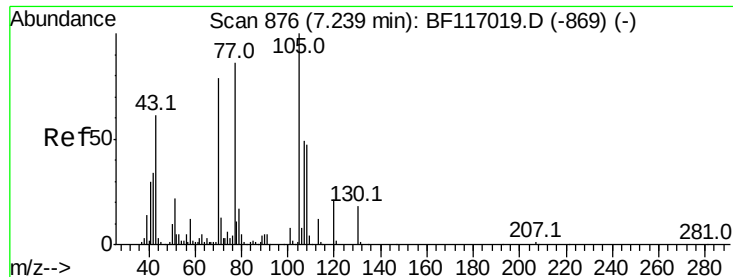
105 0.0 81.8 121.8#

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

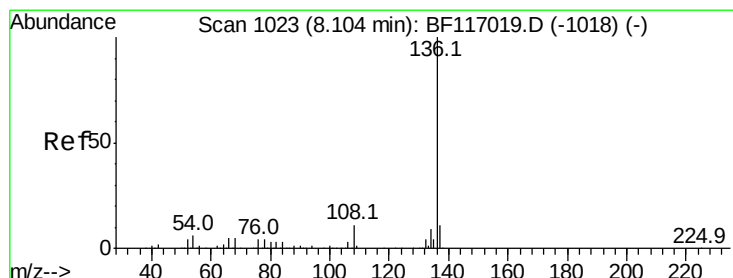
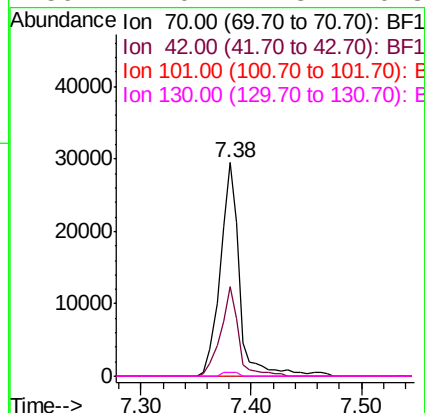
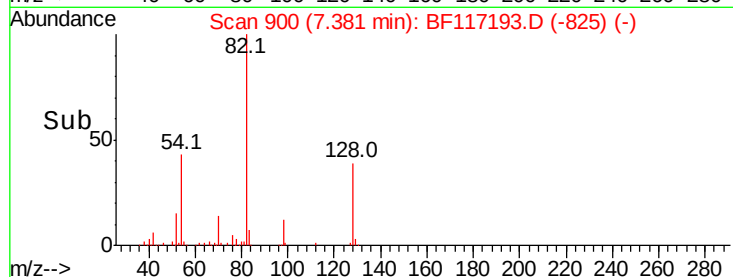
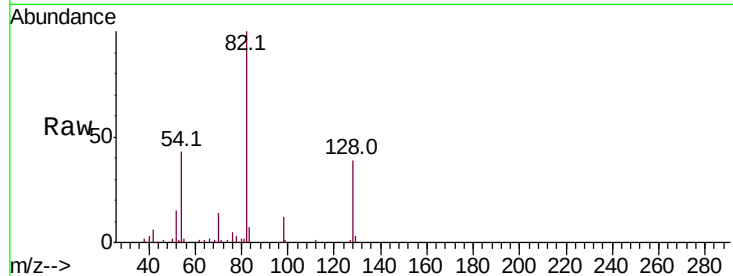




#19
n-Nitroso-di-n-propylamine
Concen: 17.975 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117193.D
Acq: 20 Sep 2019 18:43

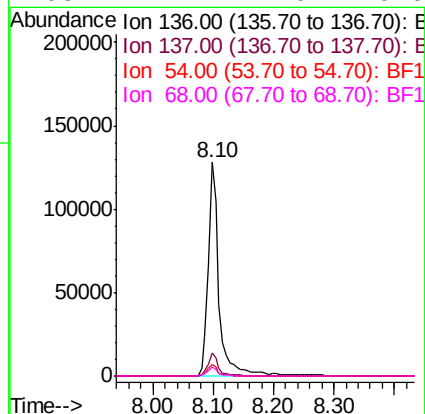
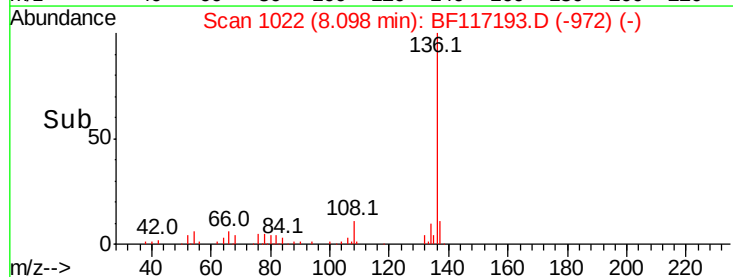
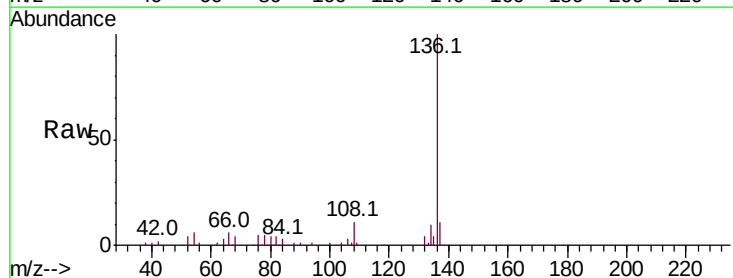
Instrument :
BNA_F
ClientSampleId :

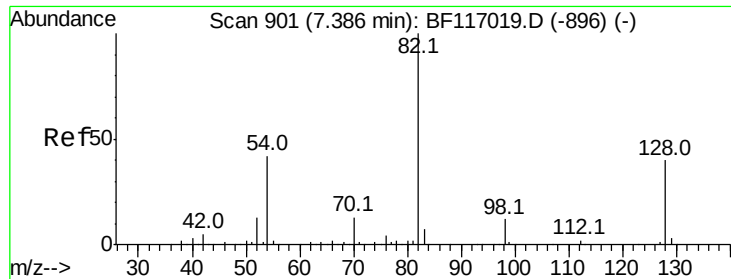
Tot Ion: 70 Resp: 35913
Ion Ratio Lower Upper
70 100
42 42.2 34.0 51.0
101 0.0 7.8 11.6#
130 2.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117193.D
Acq: 20 Sep 2019 18:43

Tgt Ion:136 Resp: 161848
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 5.6 4.5 6.7
68 4.1 4.0 6.0

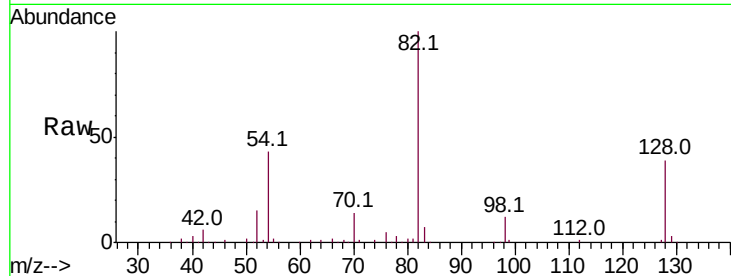




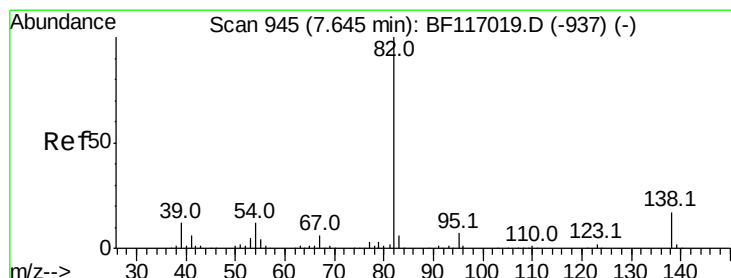
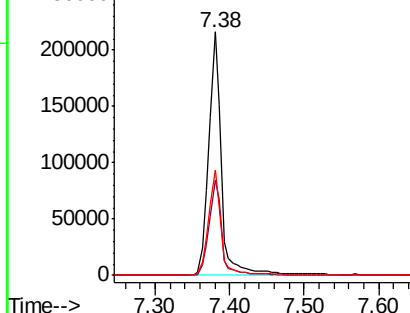
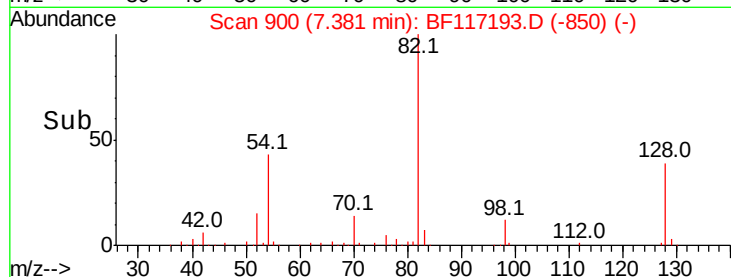
#23
 Nitrobenzene-d5
 Concen: 83.884 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117193.D
 Acq: 20 Sep 2019 18:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	258389
Ion Ratio	Lower	Upper	
82	100		
128	39.0	32.3	48.5
54	43.2	33.3	49.9

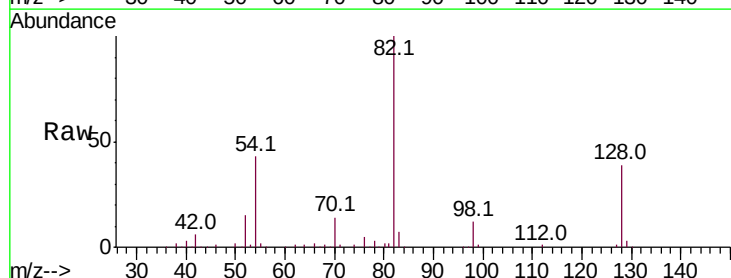


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

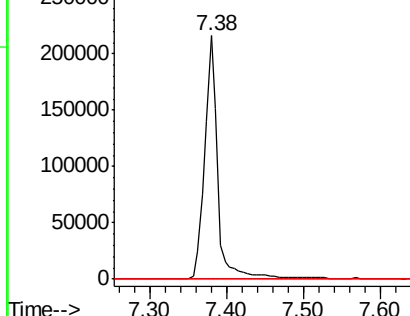
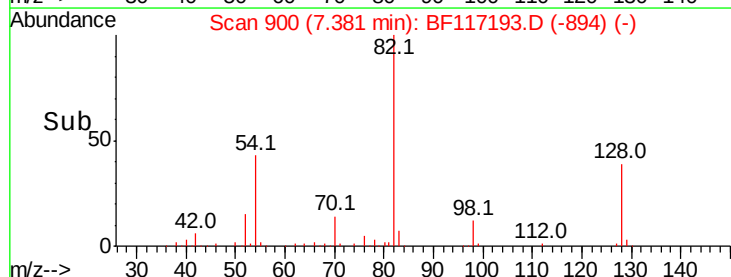


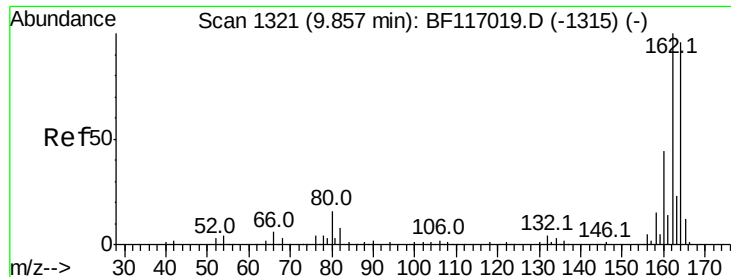
#25
 Isophorone
 Concen: 47.376 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117193.D
 Acq: 20 Sep 2019 18:43

Tgt Ion	82	Resp	258387
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

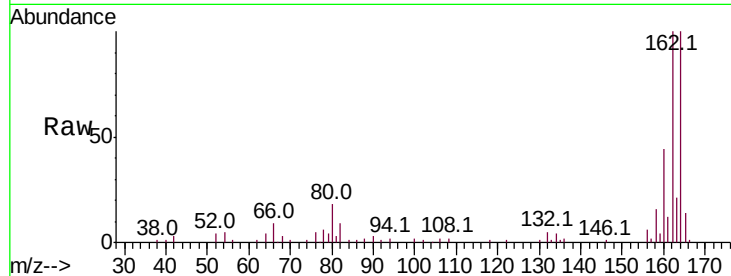




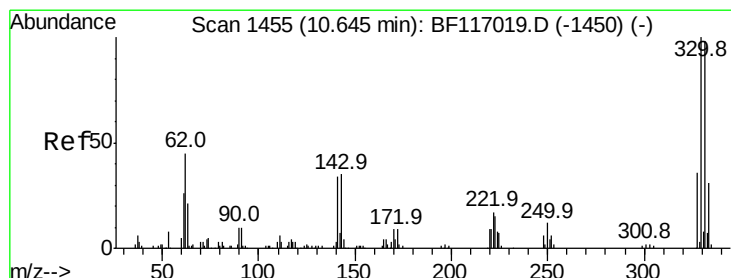
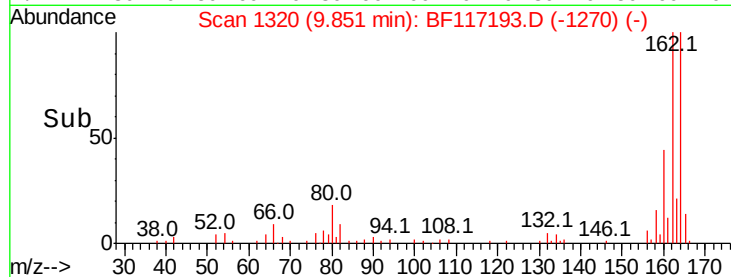
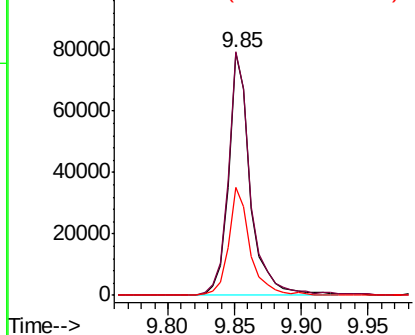
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117193.D
Acq: 20 Sep 2019 18:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 90682
Ion Ratio Lower Upper
164 100
162 100.3 83.4 125.2
160 44.4 36.4 54.6

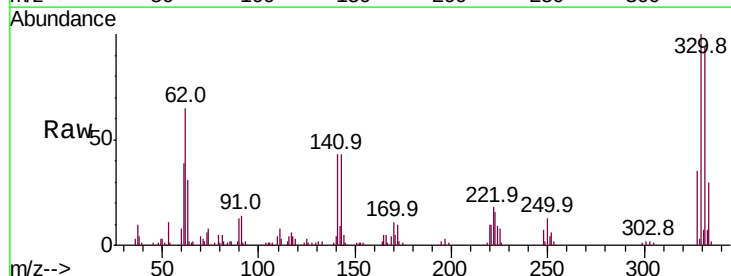


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

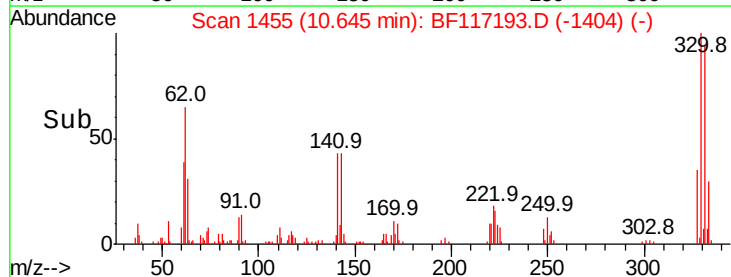
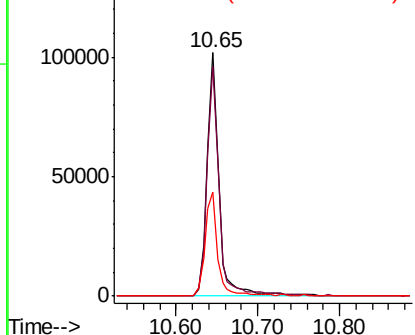


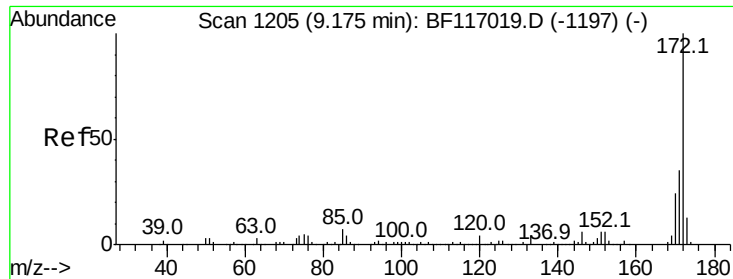
#42
2,4,6-Tribromophenol
Concen: 137.906 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF117193.D
Acq: 20 Sep 2019 18:43

Tgt Ion:330 Resp: 104518
Ion Ratio Lower Upper
330 100
332 93.4 78.0 117.0
141 44.7 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

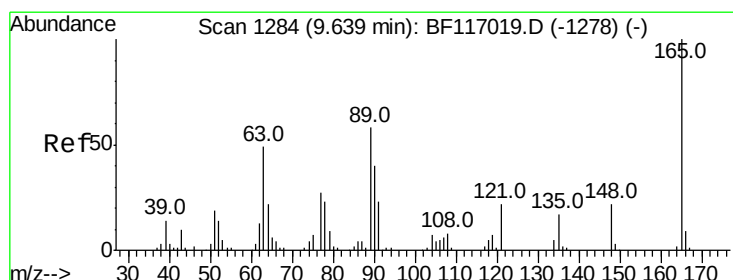
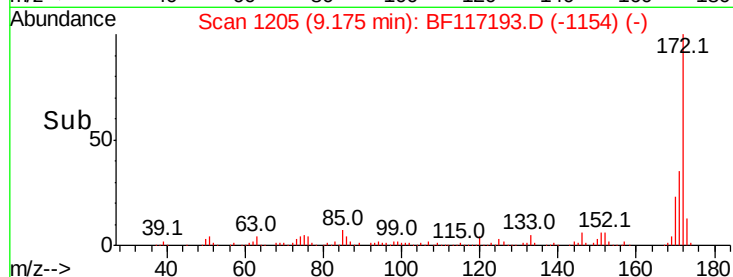
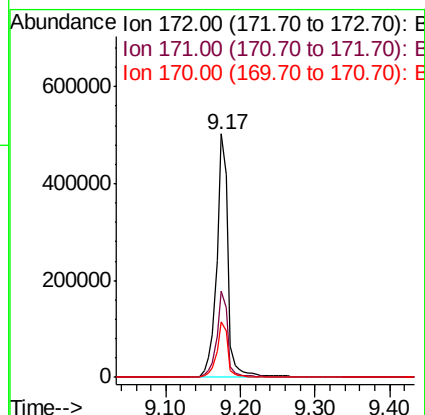
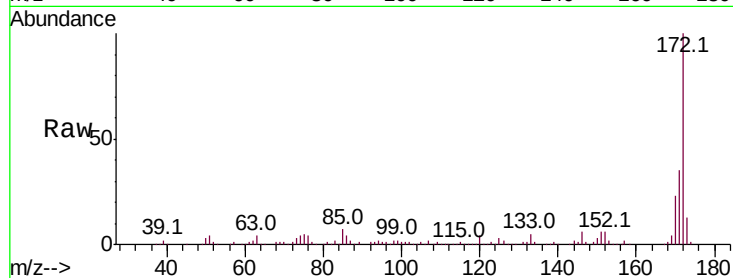




#45
 2-Fluorobiphenyl
 Concen: 90.455 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117193.D
 Acq: 20 Sep 2019 18:43

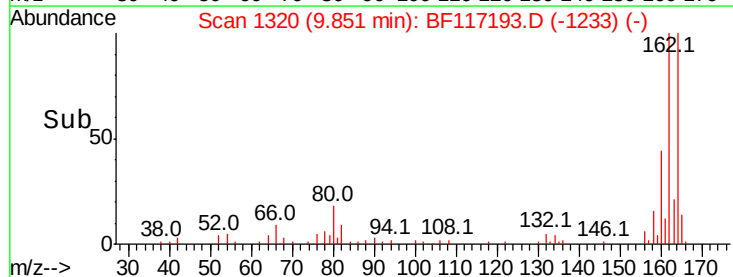
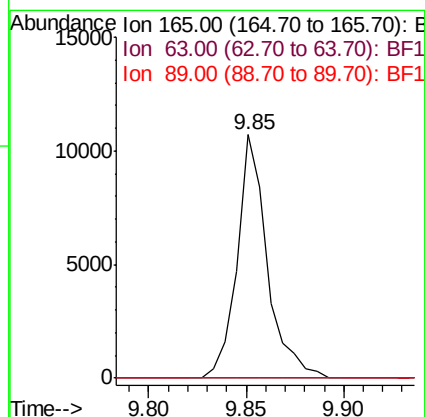
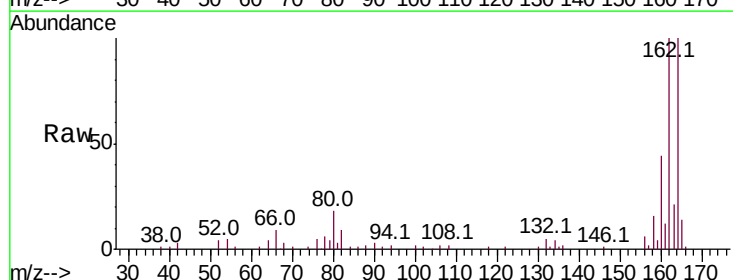
Instrument :
 BNA_F
 ClientSampleId :

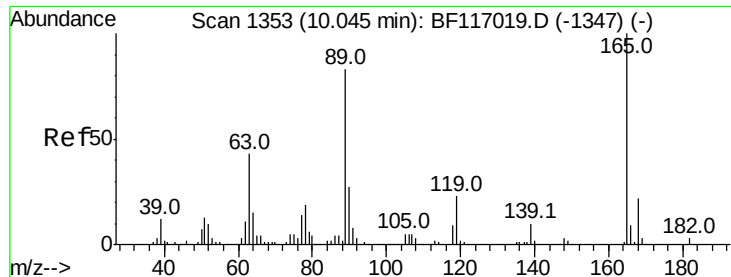
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	22.9	18.9	28.3



#51
 2,6-Dinitrotoluene
 Concen: 8.767 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117193.D
 Acq: 20 Sep 2019 18:43

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

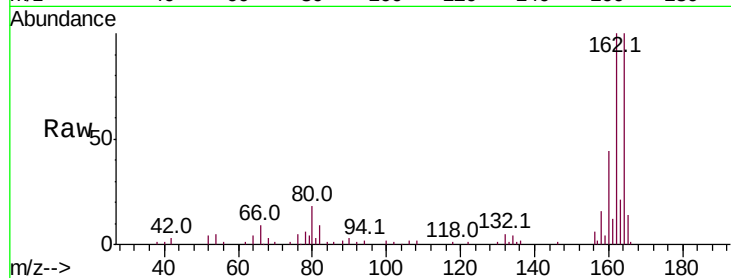




#57
 2,4-Dinitrotoluene
 Concen: 6.754 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117193.D
 Acq: 20 Sep 2019 18:43

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#

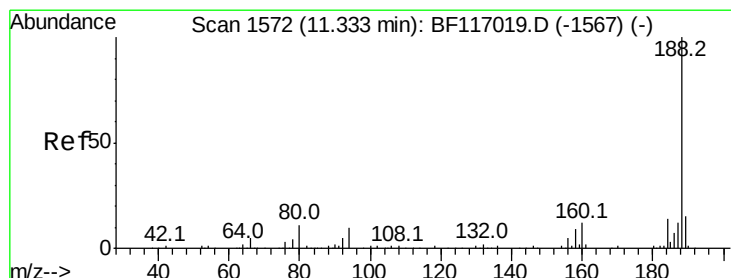
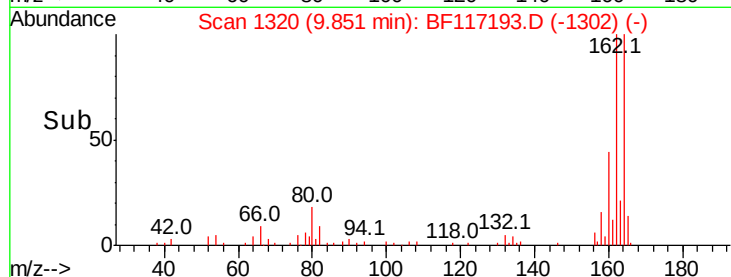
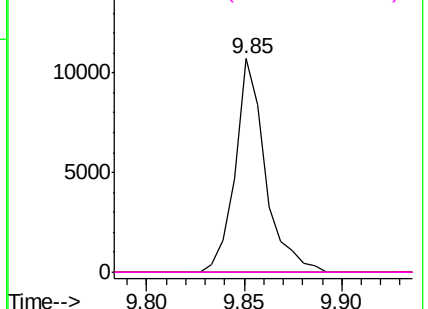


Abundance Ion 165.00 (164.70 to 165.70): E

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



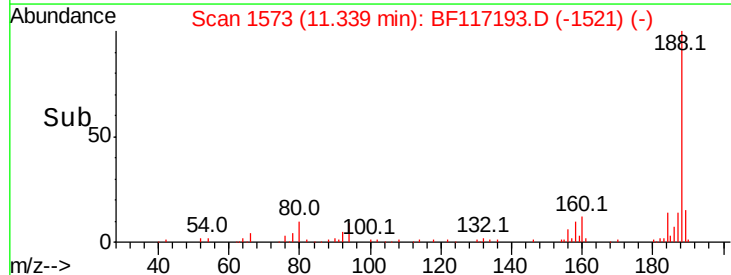
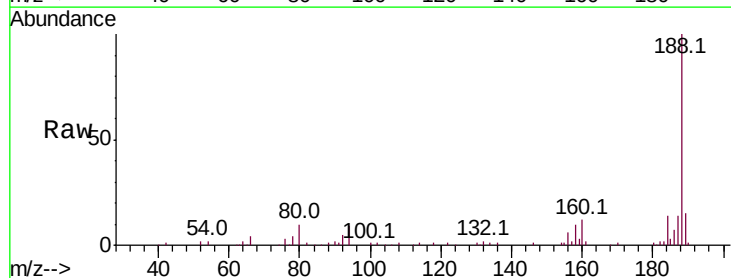
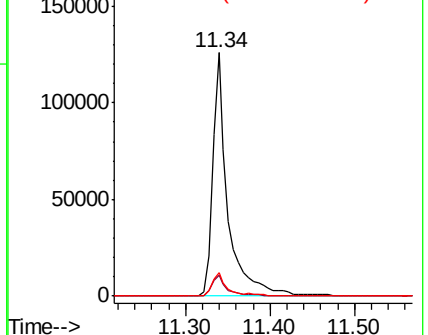
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF117193.D
 Acq: 20 Sep 2019 18:43

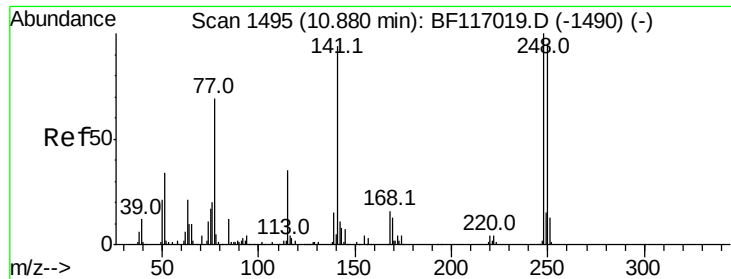
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	9.8	9.0	13.6

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

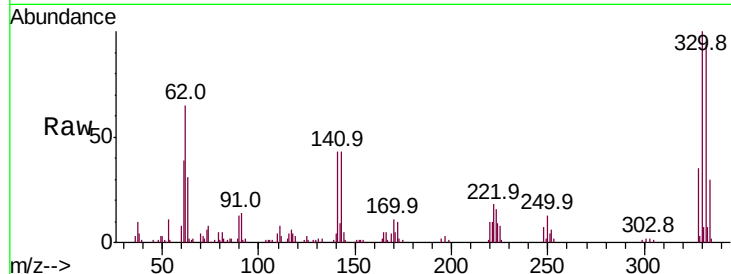




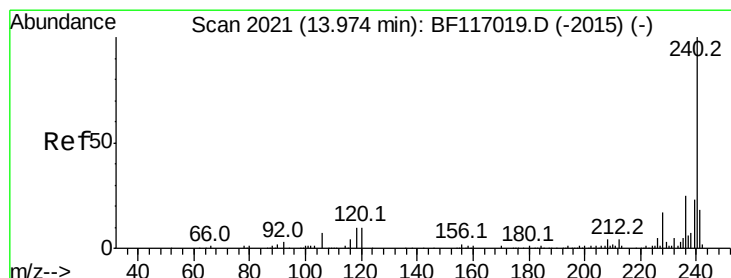
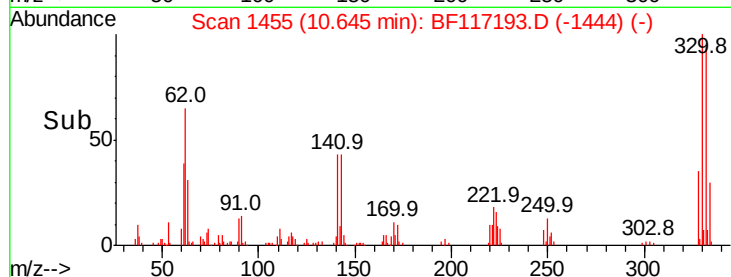
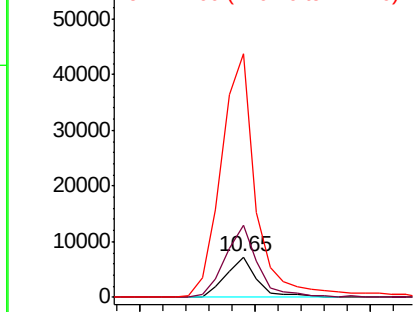
#67
4-Bromophenyl-phenylether
Concen: 4.143 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF117193.D
Acq: 20 Sep 2019 18:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6769
Ion Ratio Lower Upper
248 100
250 179.9 76.2 114.4#
141 607.8 75.0 112.4#

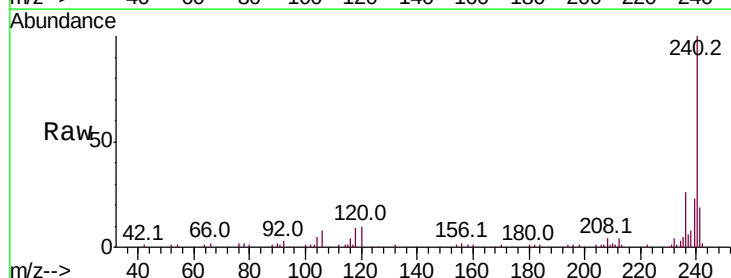


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

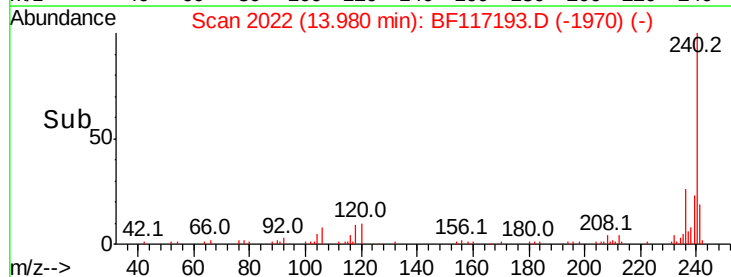
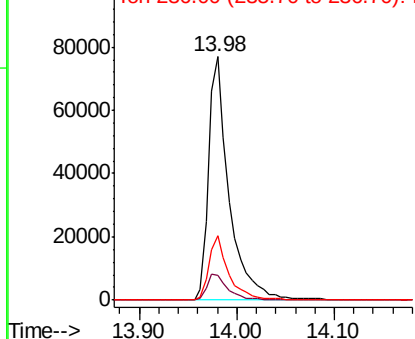


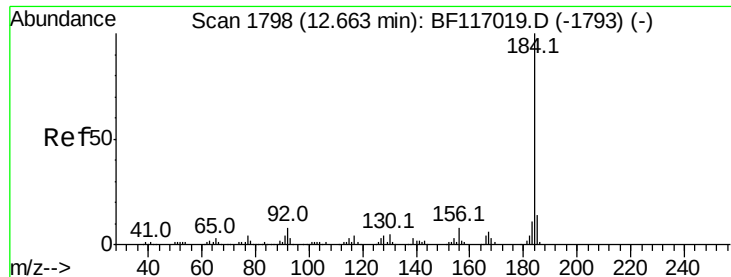
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF117193.D
Acq: 20 Sep 2019 18:43

Tgt Ion:240 Resp: 112349
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 26.5 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: 2.495 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.26 min

Lab File: BF117193.D

Acq: 20 Sep 2019 18:43

Instrument :

BNA_F

ClientSampleId :

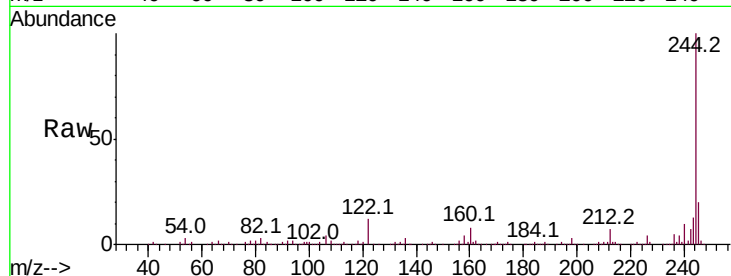
Tot Ion:184 Resp: 9031

Ion Ratio Lower Upper

184 100

185 17.5 11.6 17.4#

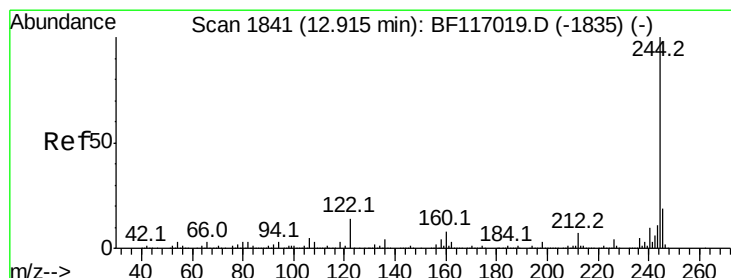
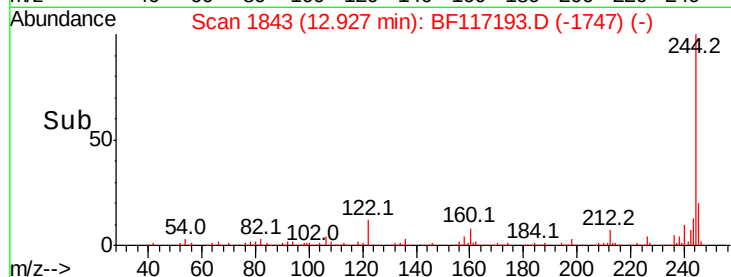
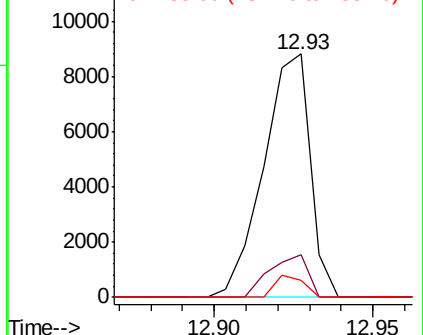
183 7.2 9.0 13.4#



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: 97.332 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF117193.D

Acq: 20 Sep 2019 18:43

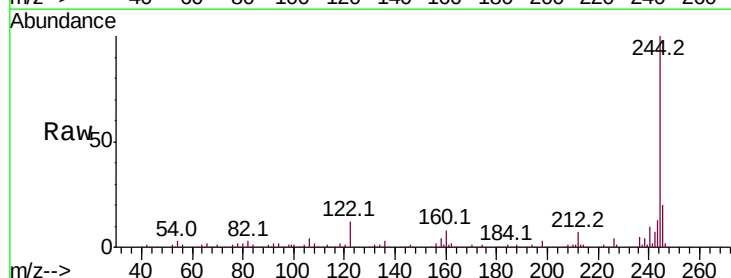
Tgt Ion:244 Resp: 585013

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

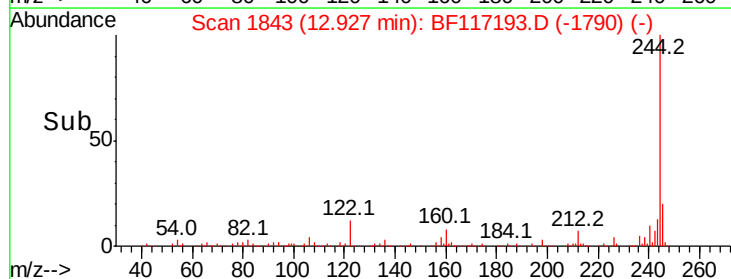
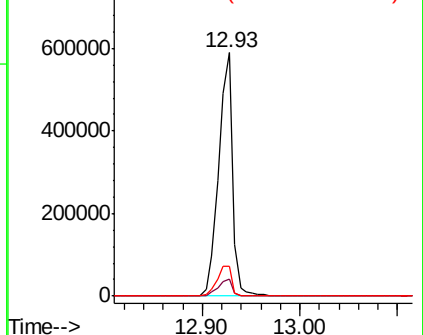
122 12.3 11.3 16.9

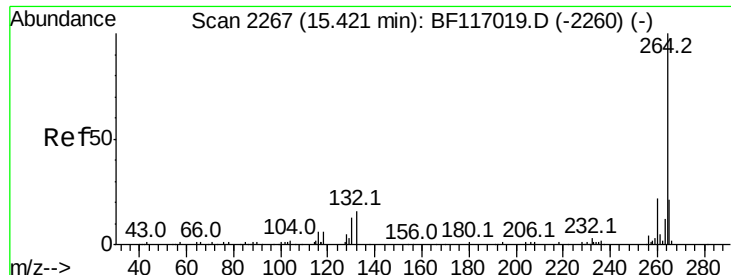


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

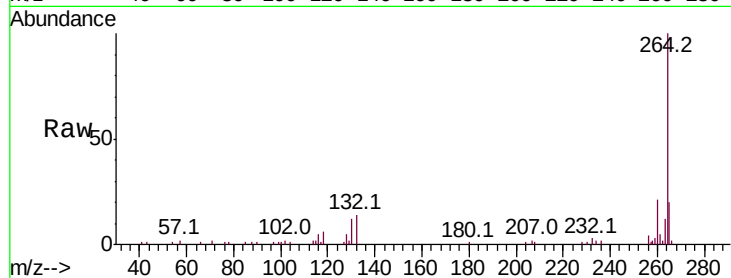




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117193.D
 Acq: 20 Sep 2019 18:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 89430
 Ion Ratio Lower Upper
 264 100
 260 20.8 17.6 26.4
 265 19.6 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

