

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
 Data File : BF117966.D
 Acq On : 23 Nov 2019 19:36
 Operator : JU
 Sample : K5676-30
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 25 07:53:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

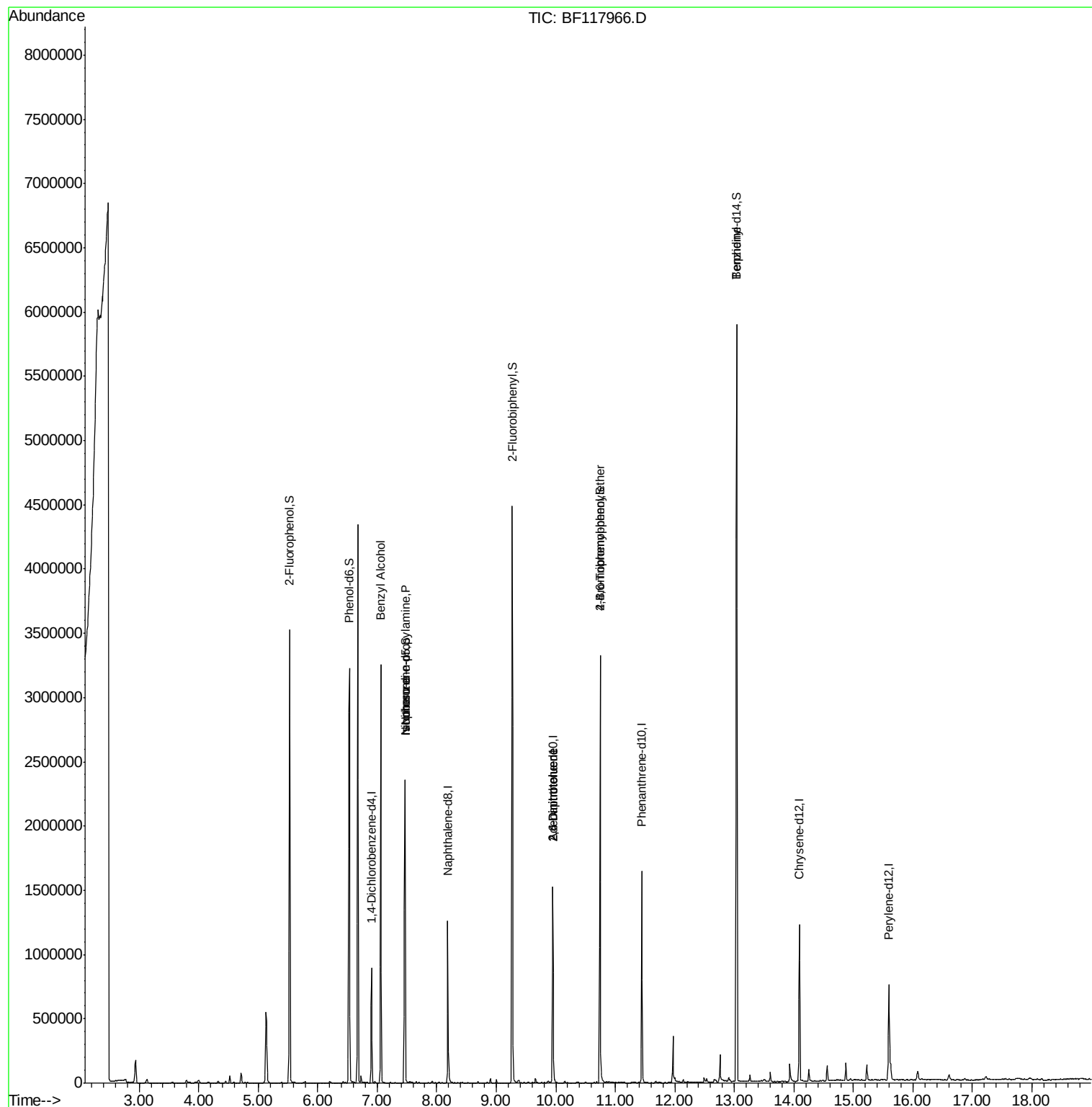
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	120949	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	582885	20.00	ng	-0.03
39) Acenaphthene-d10	9.95	164	309880	20.00	ng	-0.02
64) Phenanthrene-d10	11.45	188	592399	20.00	ng	-0.02
76) Chrysene-d12	14.09	240	393292	20.00	ng	-0.02
87) Perylene-d12	15.60	264	377511	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1065938	156.00	ng	0.00
7) Phenol-d6	6.53	99	1214358	147.35	ng	-0.01
23) Nitrobenzene-d5	7.47	82	837944	85.46	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	442210	134.79	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	1472481	85.25	ng	-0.02
79) Terphenyl-d14	13.04	244	2188759	101.71	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.53	77	2532	Below Cal	Qvalue	# 1
15) Benzyl Alcohol	7.06	79	12743	2.003 ng	#	48
19) n-Nitroso-di-n-propylamine	7.47	70	115783	22.772 ng	#	73
25) Isophorone	7.47	82	837931	46.625 ng	#	62
51) 2,6-Dinitrotoluene	9.95	165	38966	8.205 ng	#	23
57) 2,4-Dinitrotoluene	9.95	165	38966	6.450 ng	#	24
67) 4-Bromophenyl-phenylether	10.75	248	27504	4.303 ng	#	1
75) Fluoranthene	12.66	202	2139	Below Cal		96
77) Benzdine	13.04	184	29993	2.328 ng	#	92

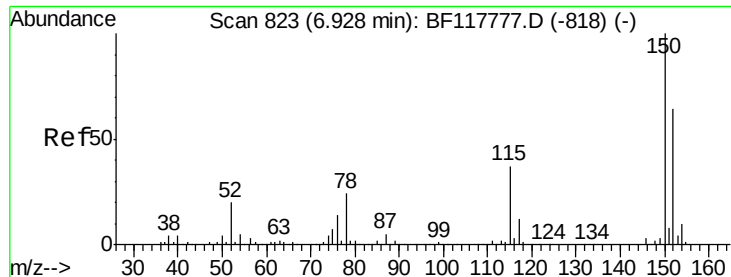
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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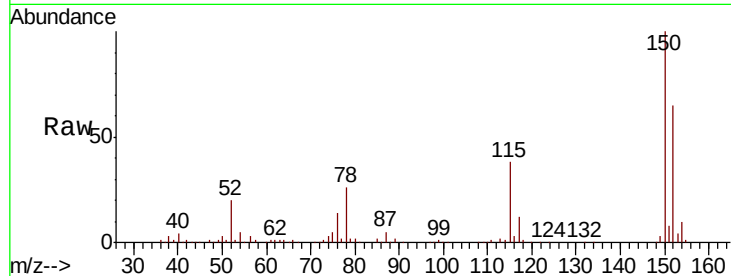


#1

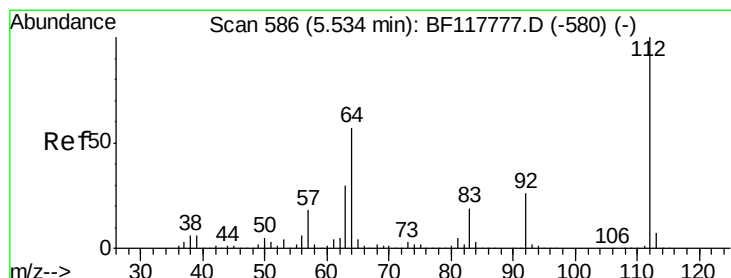
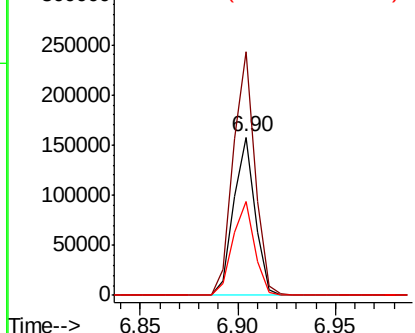
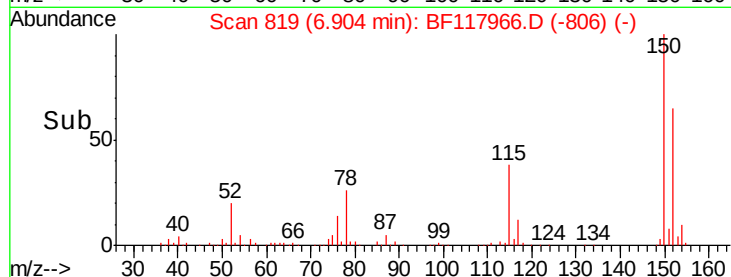
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF117966.D
Acq: 23 Nov 2019 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120949
Ion Ratio Lower Upper
152 100
150 154.0 125.3 187.9
115 59.0 47.0 70.4



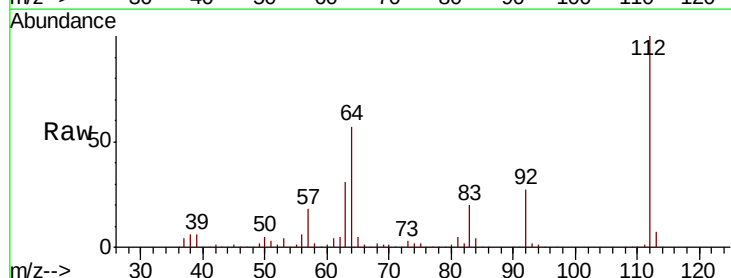
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



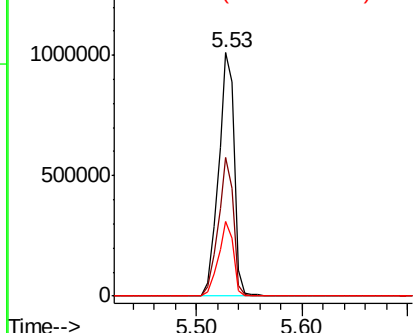
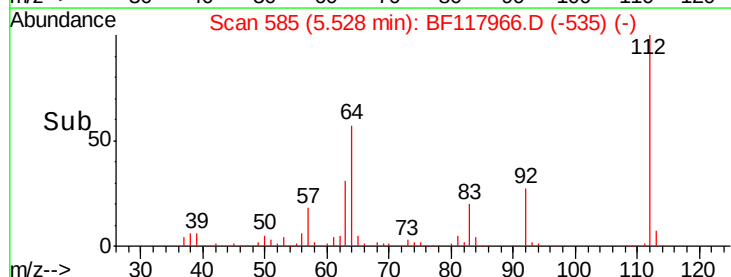
#5

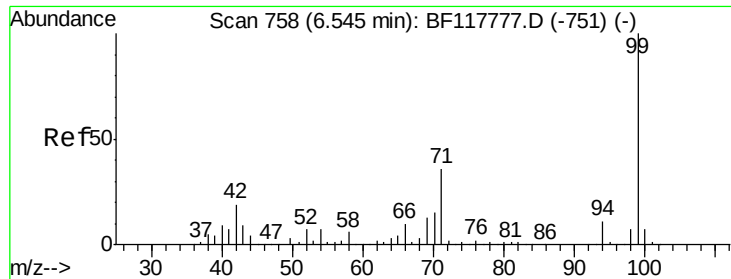
2-Fluorophenol
Concen: 156.002 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117966.D
Acq: 23 Nov 2019 19:36

Tgt Ion:112 Resp: 1065938
Ion Ratio Lower Upper
112 100
64 57.2 45.6 68.4
63 30.6 24.1 36.1



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: 147.346 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117966.D

Acq: 23 Nov 2019 19:36

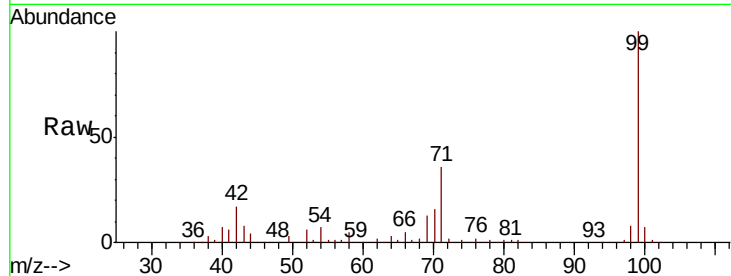
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1214358

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.9	22.3
71	35.7	28.6	43.0

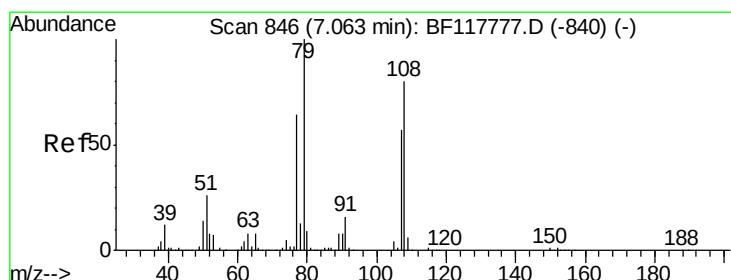
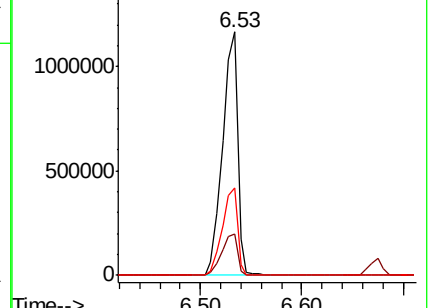
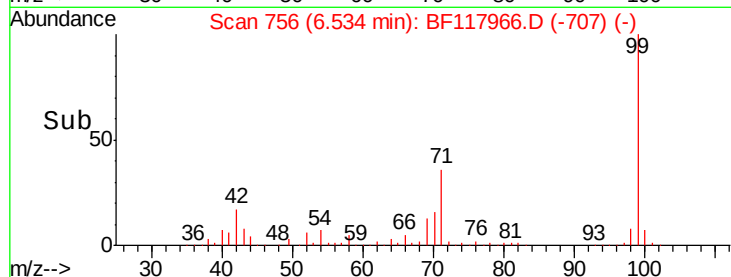


Abundance

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



#15

Benzyl Alcohol

Concen: 2.003 ng

RT: 7.06 min Scan# 846

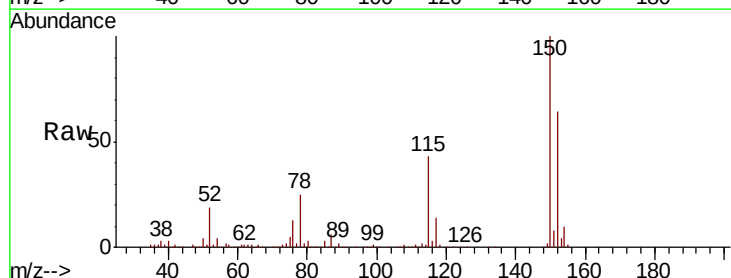
Delta R.T. 0.00 min

Lab File: BF117966.D

Acq: 23 Nov 2019 19:36

Tgt Ion: 79 Resp: 12743

Ion	Ratio	Lower	Upper
79	100		
108	32.1	64.1	96.1#
77	102.7	51.3	76.9#

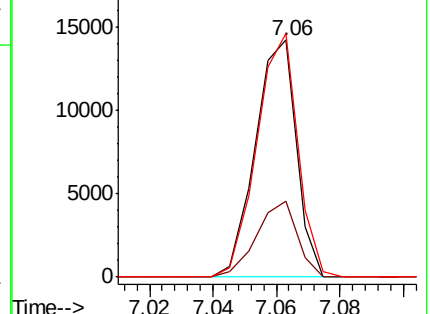
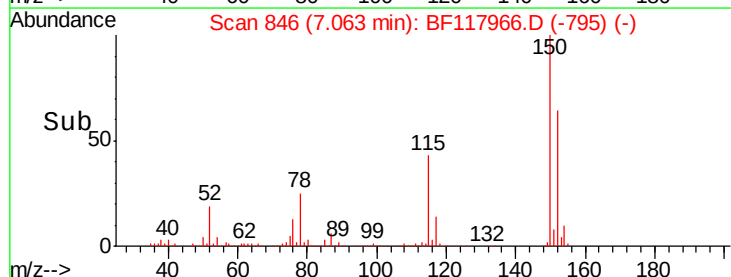


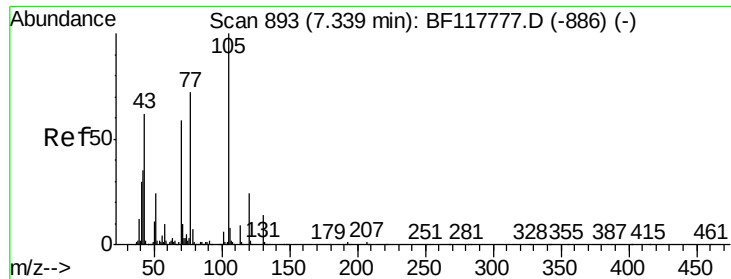
Abundance

Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

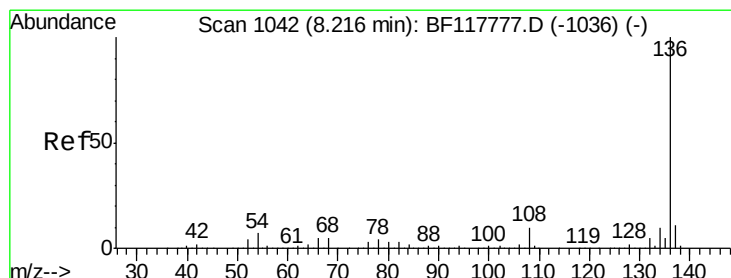
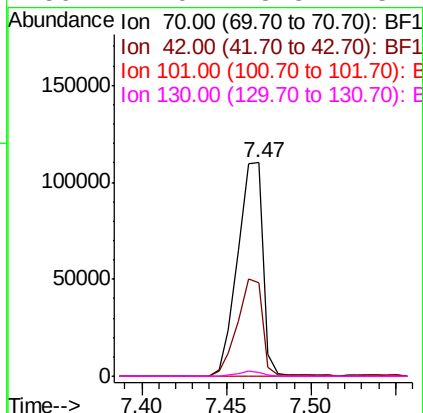
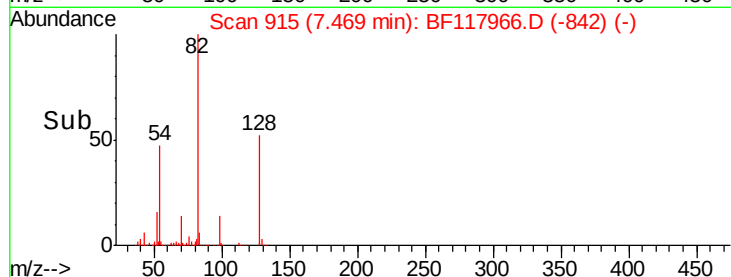
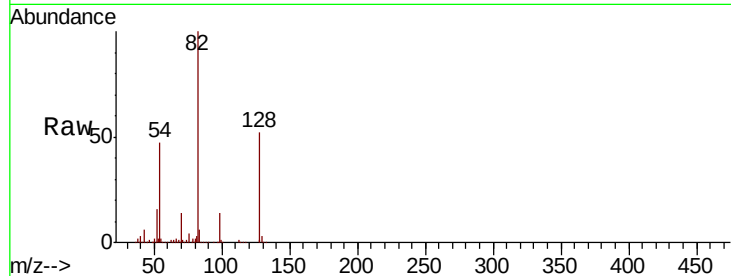




#19
n-Nitroso-di-n-propylamine
Concen: 22.772 ng
RT: 7.47 min Scan# 915
Delta R.T. 0.13 min
Lab File: BF117966.D
Acq: 23 Nov 2019 19:36

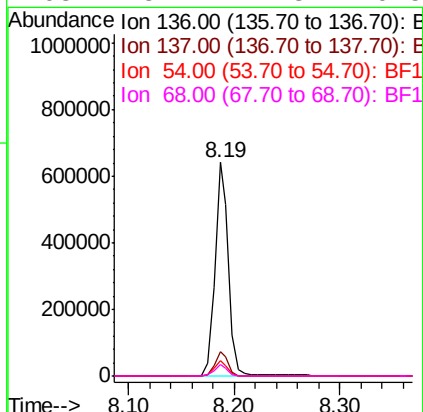
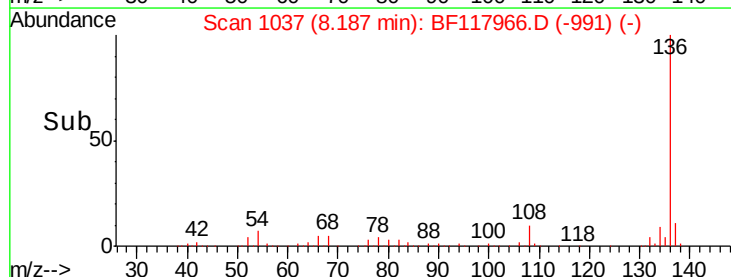
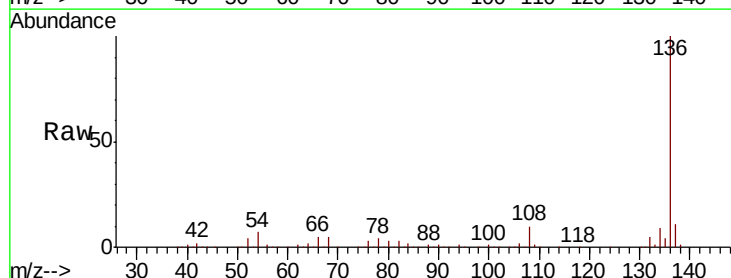
Instrument :
BNA_F
ClientSampleId :

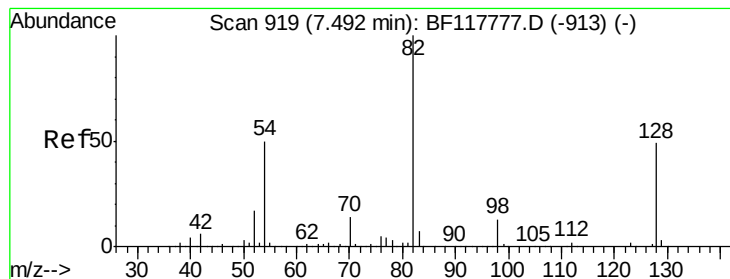
Tot Ion: 70 Resp: 115783
Ion Ratio Lower Upper
70 100
42 44.0 47.4 71.2#
101 0.0 8.4 12.6#
130 2.0 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BF117966.D
Acq: 23 Nov 2019 19:36

Tgt Ion: 136 Resp: 582885
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 6.9 5.4 8.2
68 5.4 4.3 6.5





#23

Nitrobenzene-d5

Concen: 85.458 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF117966.D

Acq: 23 Nov 2019 19:36

Instrument :

BNA_F

ClientSampleId :

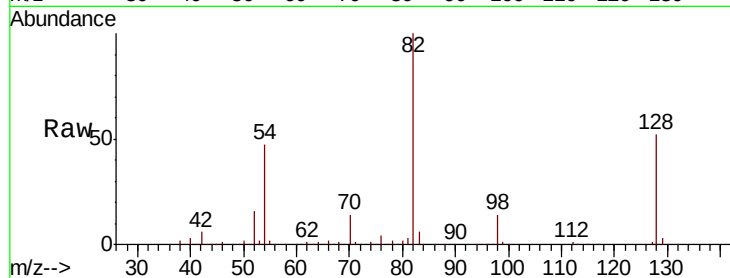
Tot Ion: 82 Resp: 837944

Ion Ratio Lower Upper

82 100

128 51.7 38.9 58.3

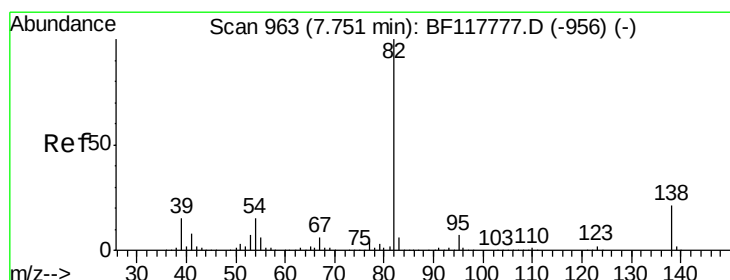
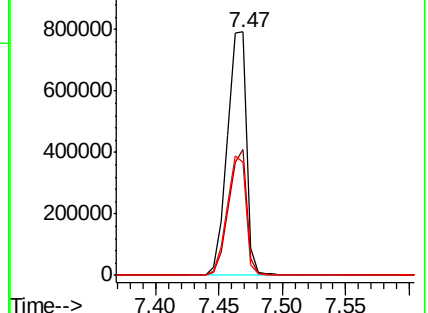
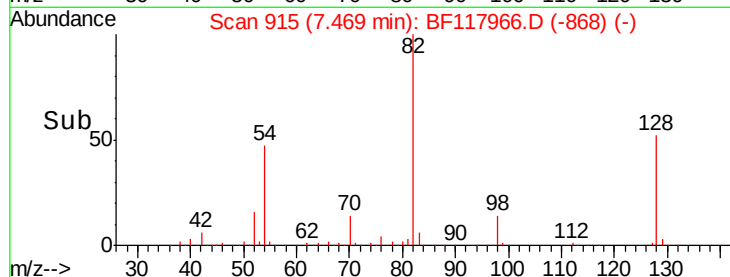
54 46.7 39.8 59.6



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: 46.625 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.28 min

Lab File: BF117966.D

Acq: 23 Nov 2019 19:36

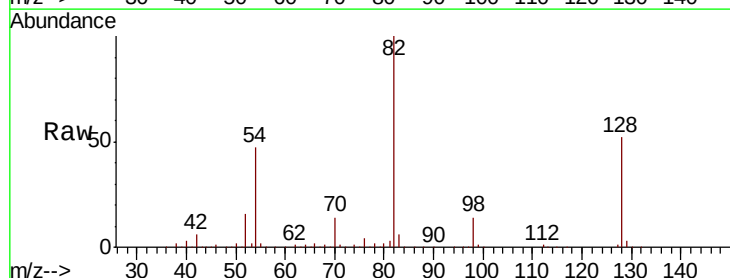
Tgt Ion: 82 Resp: 837931

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

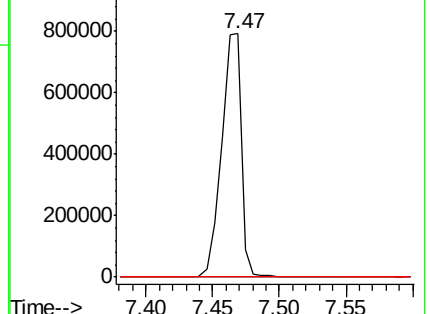
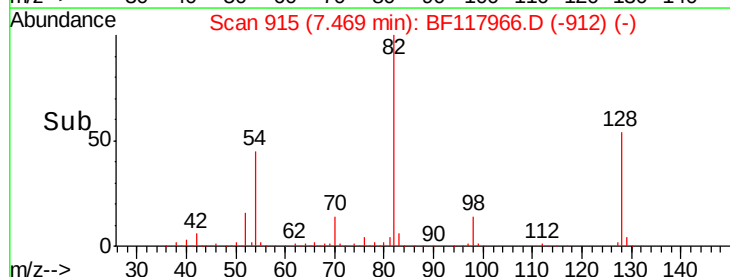
138 0.0 16.5 24.7#

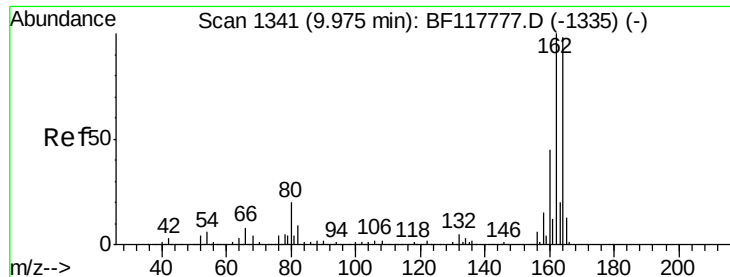


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

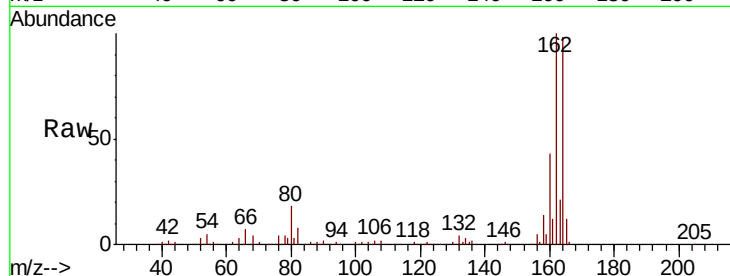




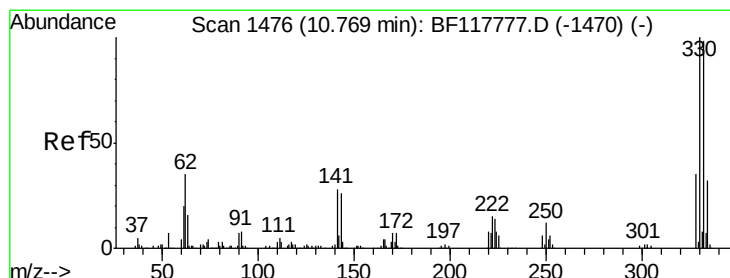
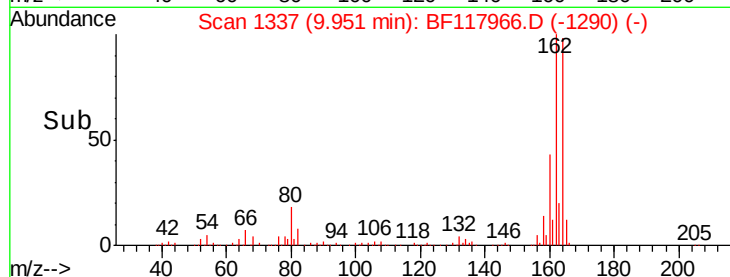
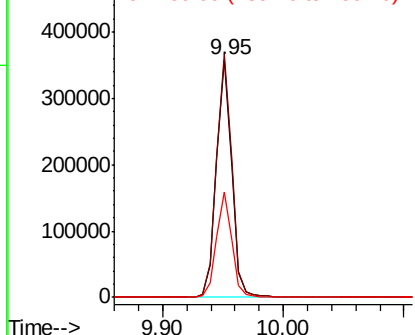
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: BF117966.D
 Acq: 23 Nov 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 309880
 Ion Ratio Lower Upper
 164 100
 162 102.4 81.3 121.9
 160 44.1 36.6 55.0

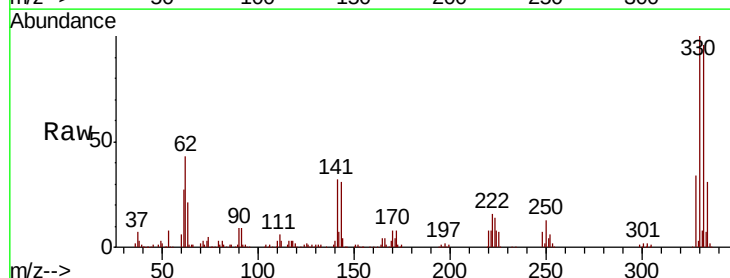


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

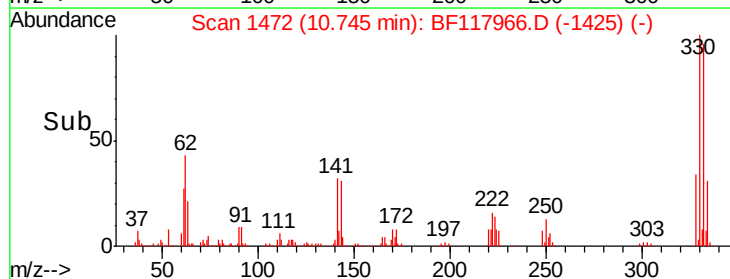
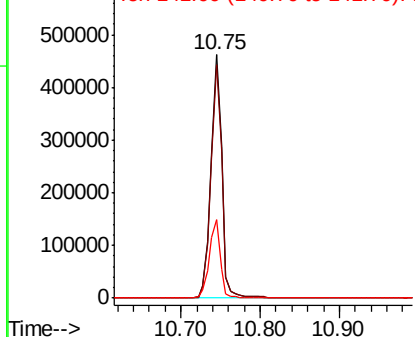


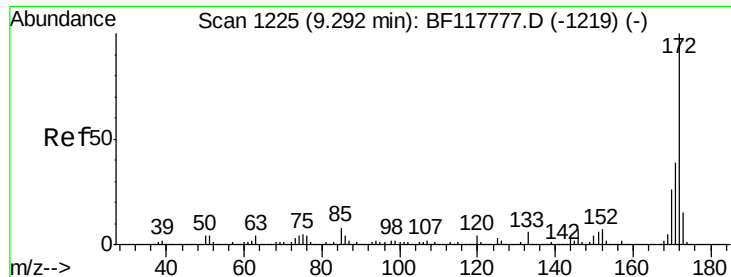
#42
 2,4,6-Tribromophenol
 Concen: 134.793 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.02 min
 Lab File: BF117966.D
 Acq: 23 Nov 2019 19:36

Tgt Ion:330 Resp: 442210
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.7 115.1
 141 33.0 27.7 41.5



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



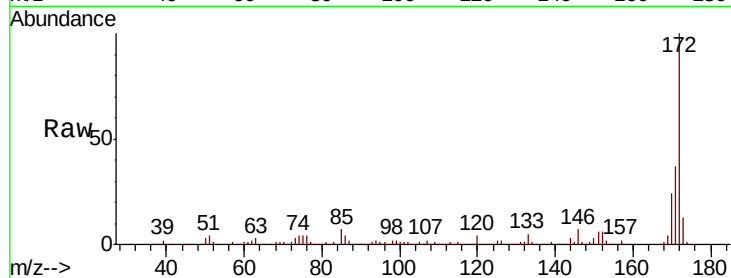


#45
 2-Fluorobiphenyl
 Concen: 85.249 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.02 min
 Lab File: BF117966.D
 Acq: 23 Nov 2019 19:36

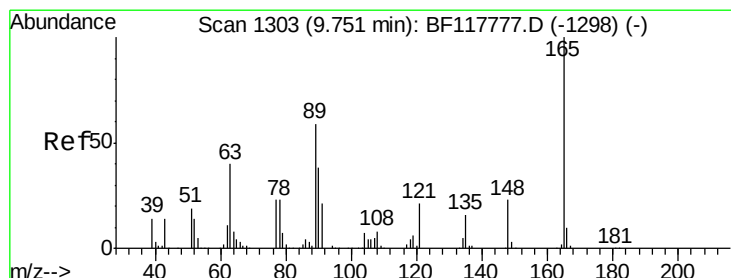
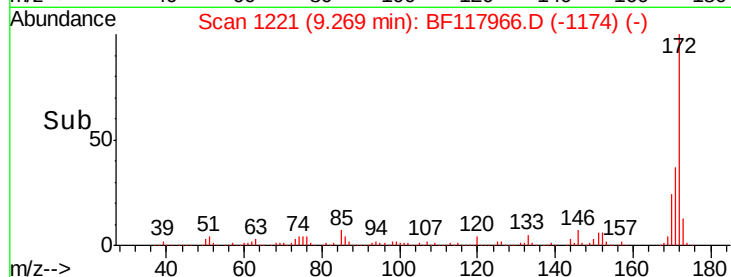
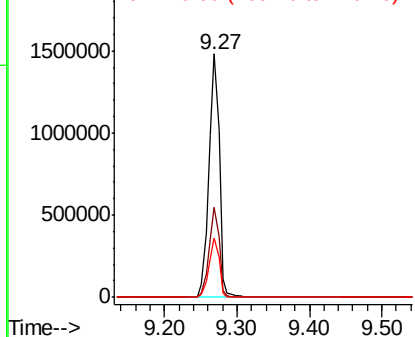
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1472481

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.9	46.3
170	24.5	21.0	31.4



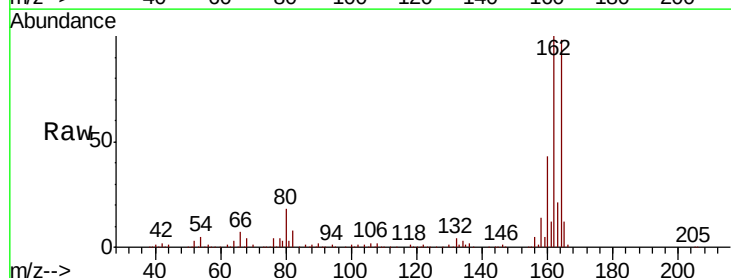
Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



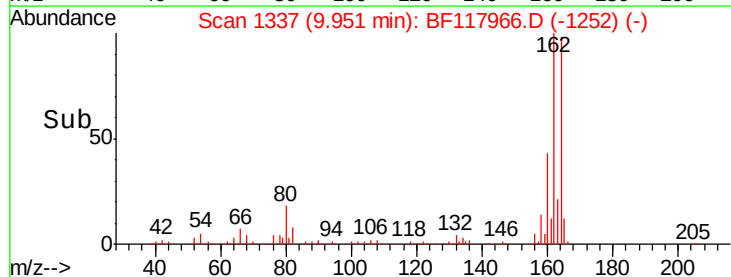
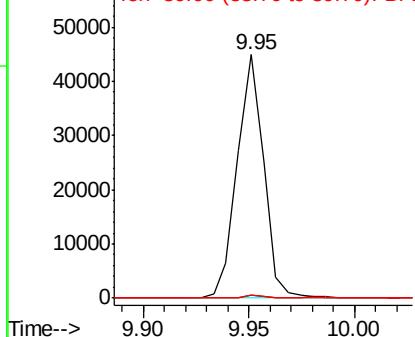
#51
 2,6-Dinitrotoluene
 Concen: 8.205 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.20 min
 Lab File: BF117966.D
 Acq: 23 Nov 2019 19:36

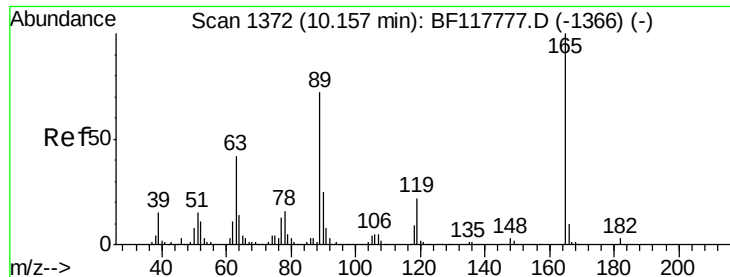
Tgt Ion:165 Resp: 38966

Ion	Ratio	Lower	Upper
165	100		
63	1.0	46.0	69.0#
89	1.2	47.7	71.5#



Abundance Ion 165.00 (164.70 to 165.70): E
 60000 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

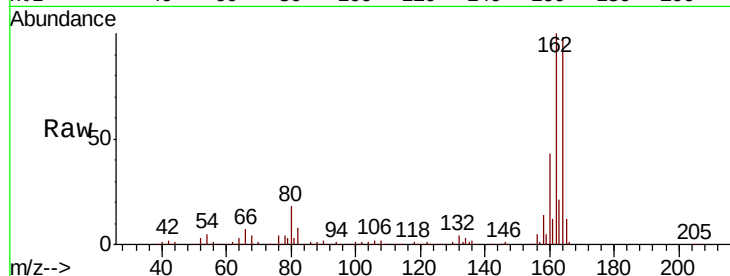




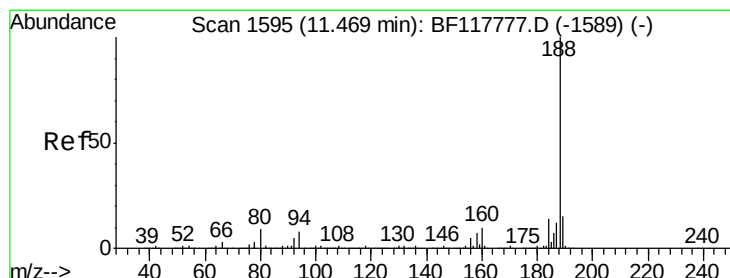
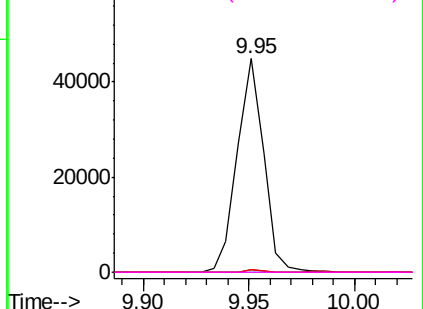
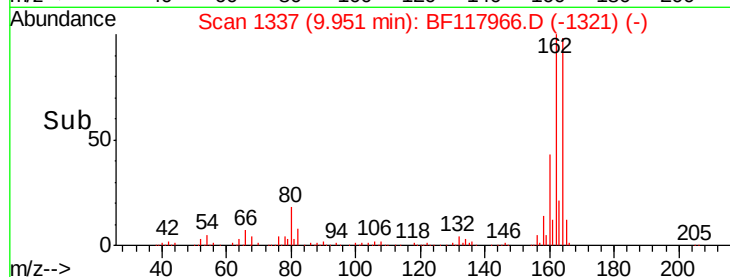
#57
 2,4-Dinitrotoluene
 Concen: 6.450 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.21 min
 Lab File: BF117966.D
 Acq: 23 Nov 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 38966
 Ion Ratio Lower Upper
 165 100
 63 1.0 33.7 50.5#
 89 1.2 57.3 85.9#
 182 0.0 2.3 3.5#

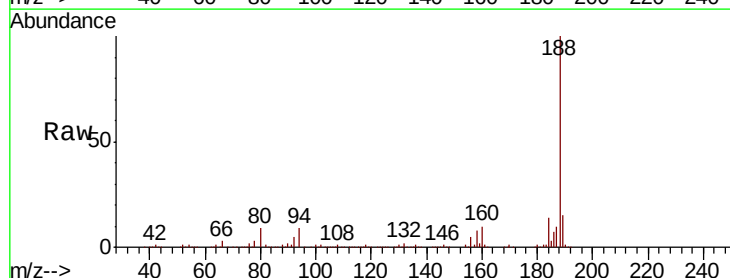


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

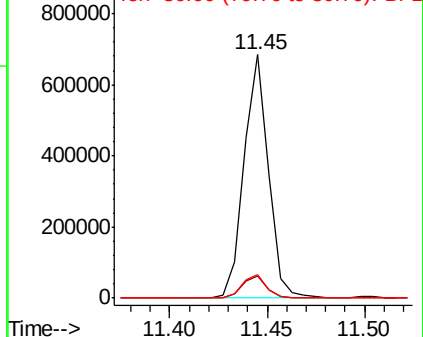
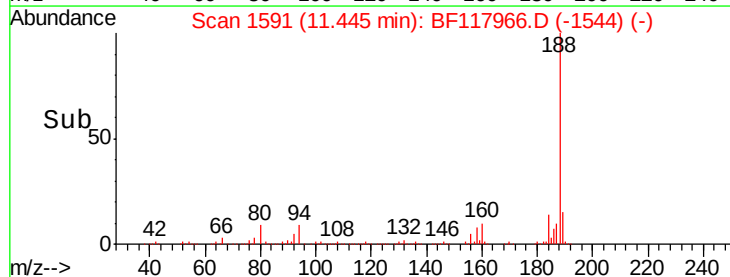


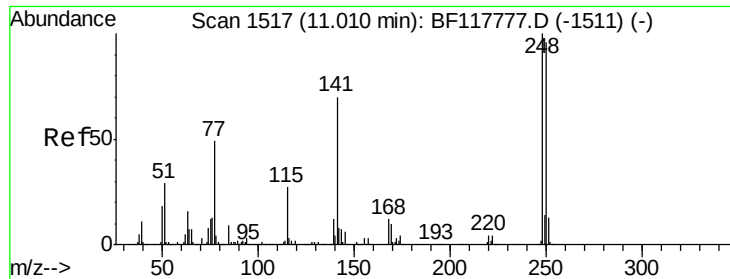
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.02 min
 Lab File: BF117966.D
 Acq: 23 Nov 2019 19:36

Tgt Ion:188 Resp: 592399
 Ion Ratio Lower Upper
 188 100
 94 9.0 6.6 10.0
 80 9.4 7.2 10.8



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

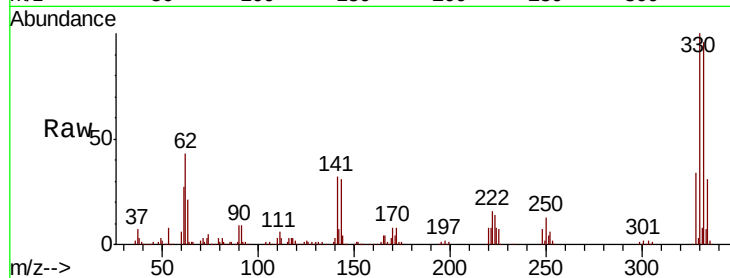




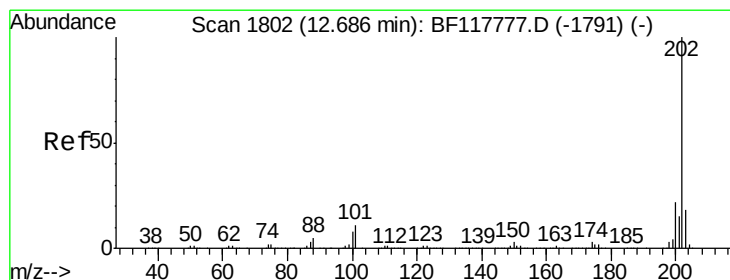
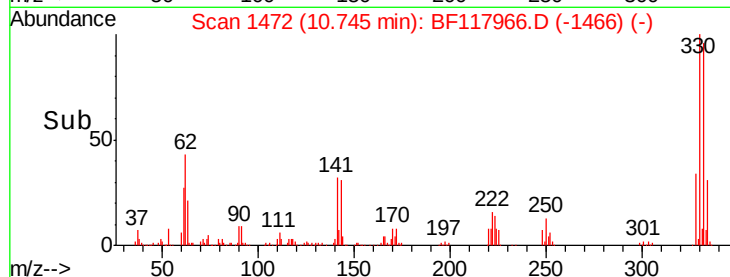
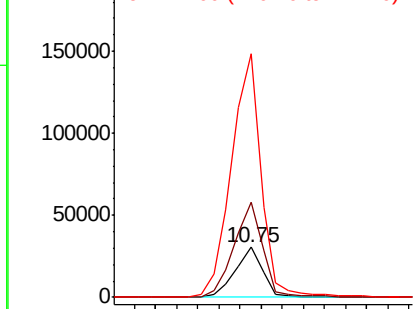
#67
4-Bromophenyl-phenylether
Concen: 4.303 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.26 min
Lab File: BF117966.D
Acq: 23 Nov 2019 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 27504
Ion Ratio Lower Upper
248 100
250 190.4 76.6 115.0#
141 488.6 55.9 83.9#

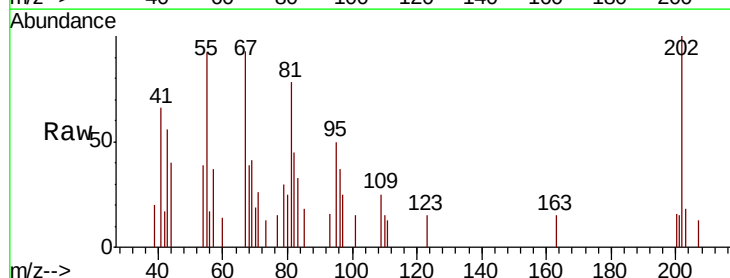


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

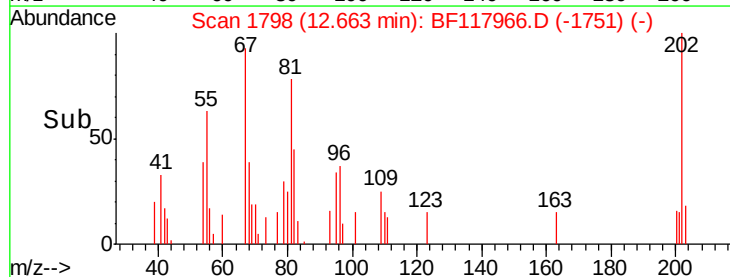
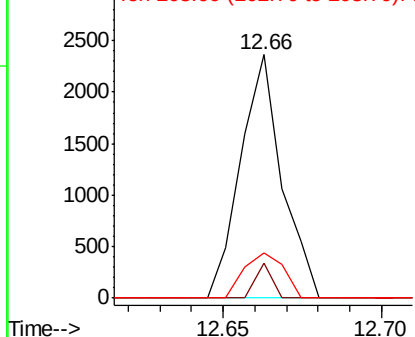


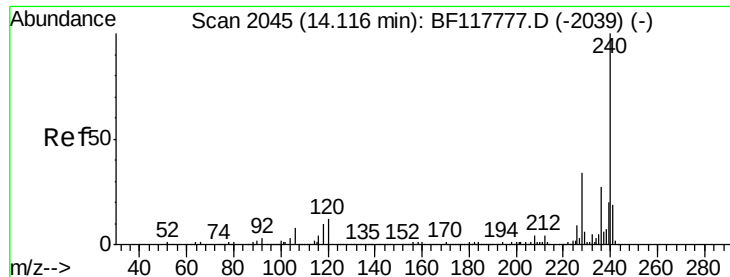
#75
Fluoranthene
Concen: Below Cal
RT: 12.66 min Scan# 1798
Delta R.T. -0.02 min
Lab File: BF117966.D
Acq: 23 Nov 2019 19:36

Tgt Ion:202 Resp: 2139
Ion Ratio Lower Upper
202 100
101 14.6 0.0 31.1
203 18.4 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

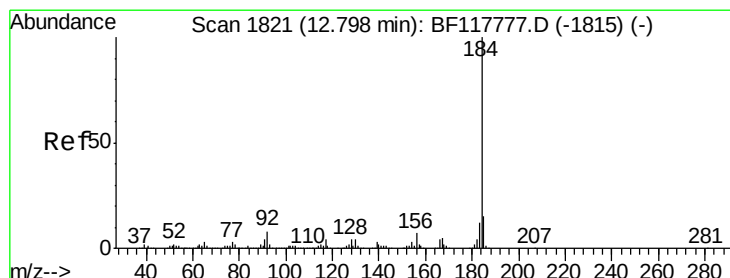
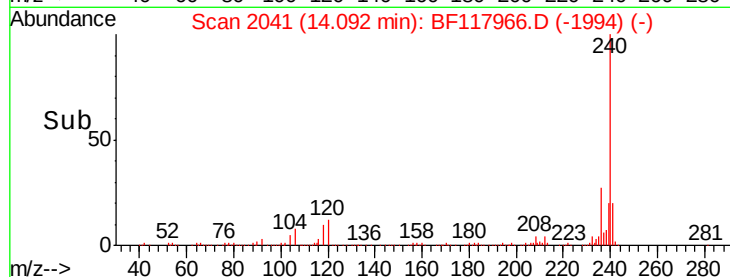
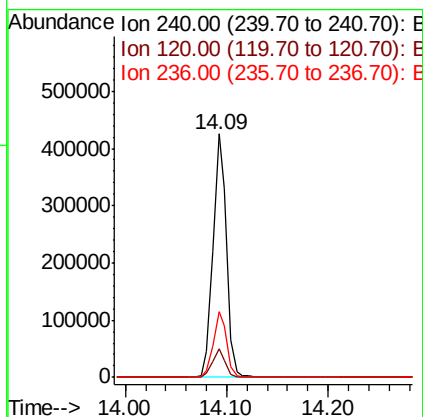
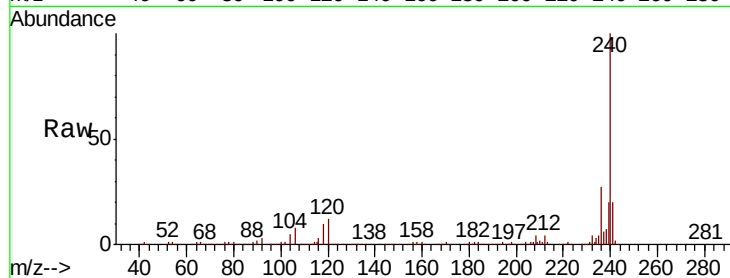




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.02 min
 Lab File: BF117966.D
 Acq: 23 Nov 2019 19:36

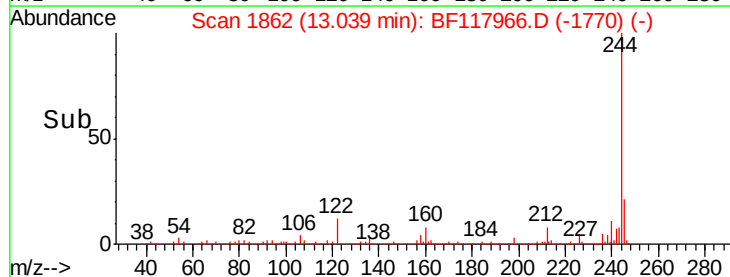
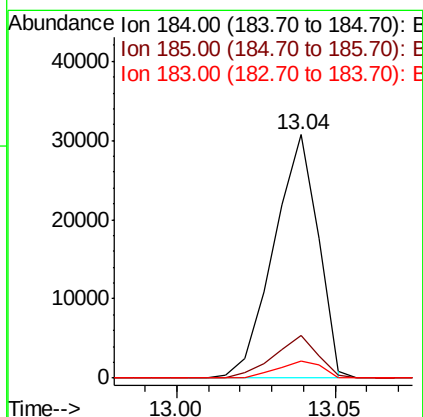
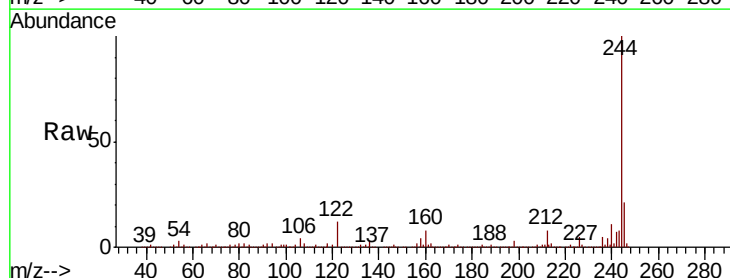
Instrument :
 BNA_F
 ClientSampleId :

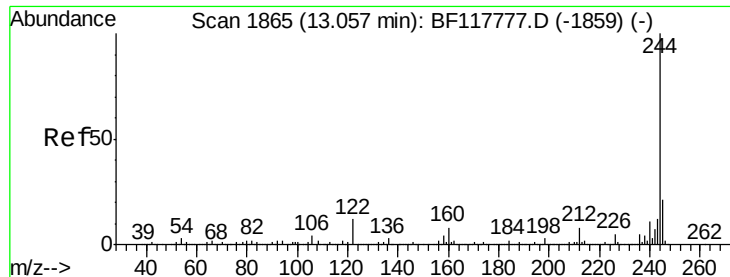
Tot Ion:240 Resp: 393292
 Ion Ratio Lower Upper
 240 100
 120 11.5 9.5 14.3
 236 26.8 21.3 31.9



#77
 Benzidine
 Concen: 2.328 ng
 RT: 13.04 min Scan# 1862
 Delta R.T. 0.24 min
 Lab File: BF117966.D
 Acq: 23 Nov 2019 19:36

Tgt Ion:184 Resp: 29993
 Ion Ratio Lower Upper
 184 100
 185 17.5 12.2 18.4
 183 7.2 9.5 14.3#





#79

Terphenyl-d14

Concen: 101.711 ng

RT: 13.04 min Scan# 1862

Delta R.T. -0.02 min

Lab File: BF117966.D

Acq: 23 Nov 2019 19:36

Instrument :

BNA_F

ClientSampleId :

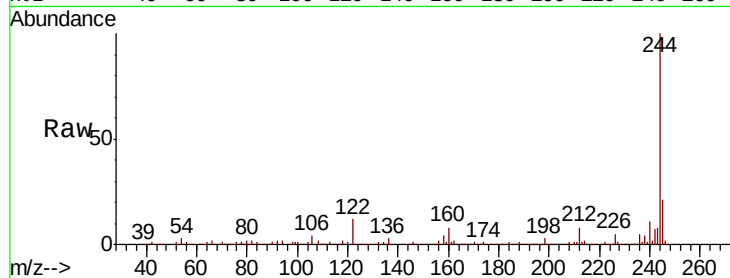
Tot Ion:244 Resp: 2188759

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.3	9.5
122	11.6	9.4	14.2

244 100

212 7.6 6.3 9.5

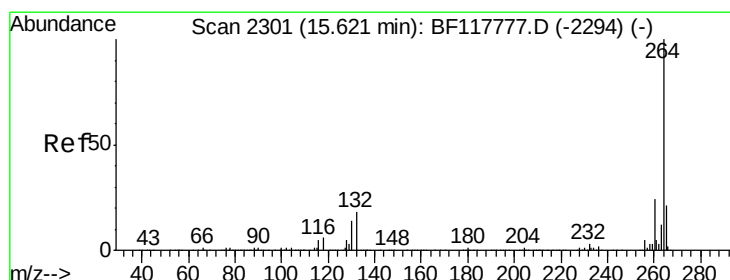
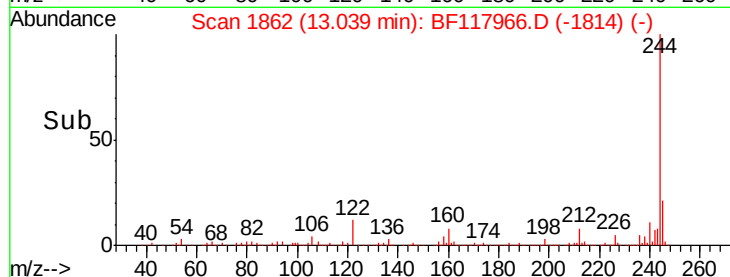
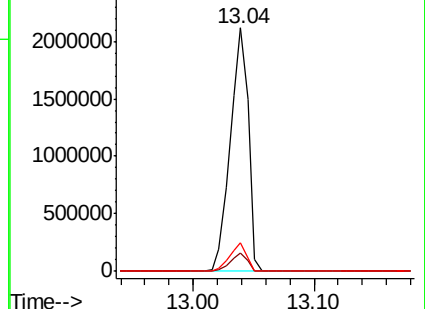
122 11.6 9.4 14.2



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: 15.60 min Scan# 2297

Delta R.T. -0.02 min

Lab File: BF117966.D

Acq: 23 Nov 2019 19:36

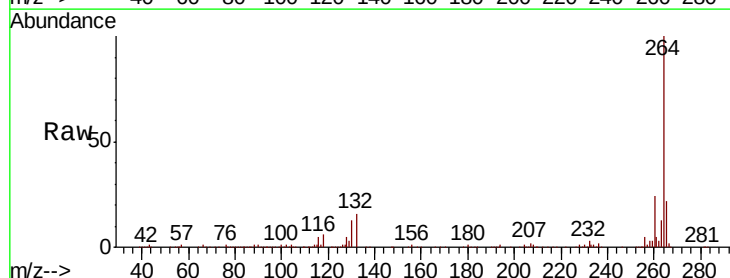
Tgt Ion:264 Resp: 377511

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	21.7	17.1	25.7

264 100

260 24.3 19.4 29.0

265 21.7 17.1 25.7



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

