

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
 Data File : BF117892.D
 Acq On : 20 Nov 2019 14:51
 Operator : JU
 Sample : K5927-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 18:23:03 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

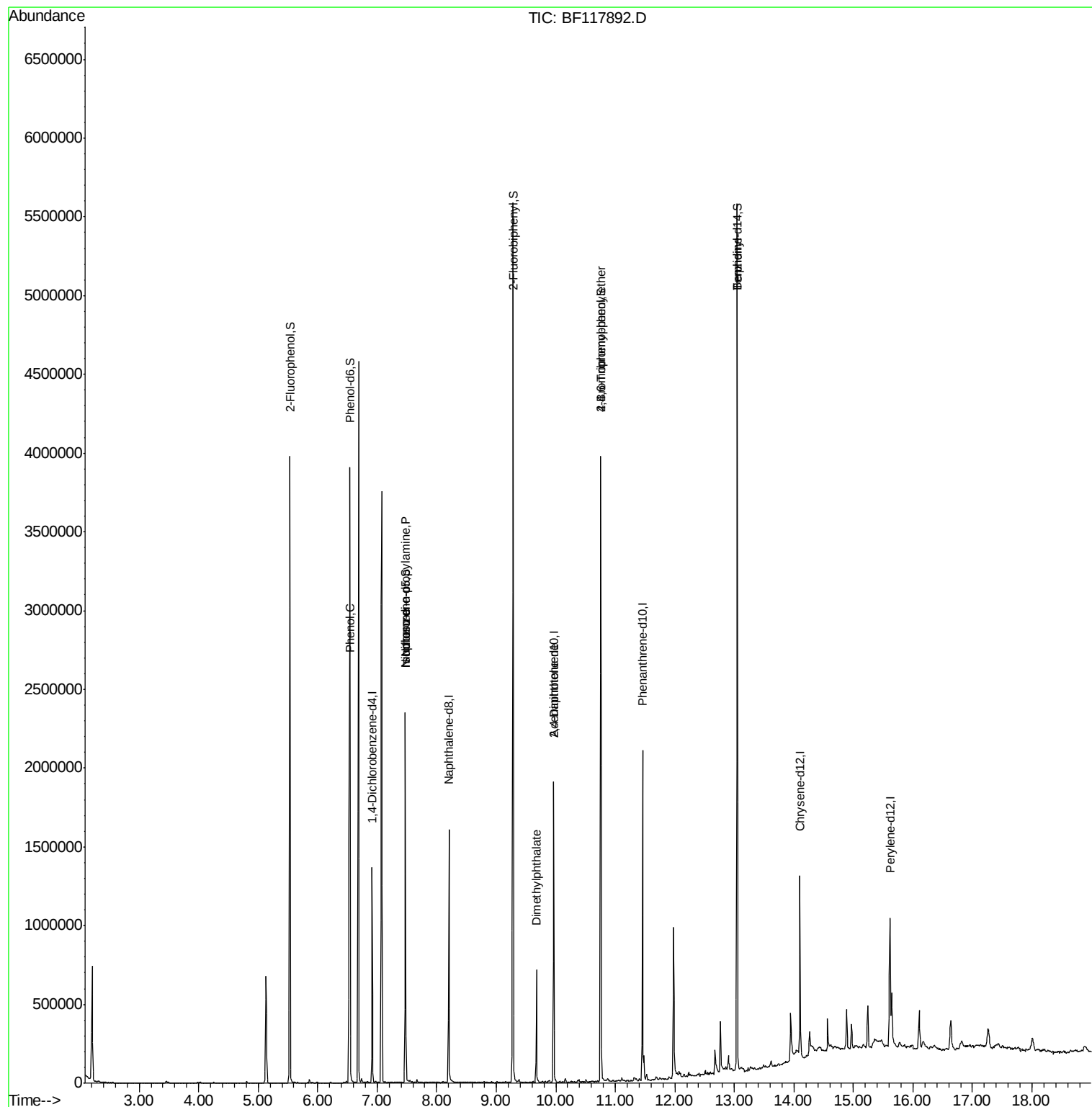
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	181219	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	713901	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	380431	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	692422	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	354349	20.00	ng	-0.01
87) Perylene-d12	15.62	264	388230	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1105914	108.02	ng	0.00
7) Phenol-d6	6.54	99	1435997	116.29	ng	0.00
23) Nitrobenzene-d5	7.47	82	814638	67.83	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	461098	114.49	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1718794	81.05	ng	-0.01
79) Terphenyl-d14	13.05	244	1818017	93.77	ng	0.00
Target Compounds						
9) Benzaldehyde	6.54	77	2583	Below Cal	Qvalue	# 1
10) Phenol	6.55	94	36665	2.857 ng		98
19) n-Nitroso-di-n-propylamine	7.47	70	113351	14.879 ng	#	76
25) Isophorone	7.47	82	806218	36.628 ng	#	62
50) Dimethylphthalate	9.67	163	276506	10.365 ng		97
57) 2,4-Dinitrotoluene	9.96	165	48819	6.582 ng	#	24
67) 4-Bromophenyl-phenylether	10.76	248	29709	3.976 ng	#	1
75) Fluoranthene	12.67	202	42520	Below Cal		100
77) Benzidine	13.05	184	26380	2.273 ng	#	94

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

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Quant Time: Nov 20 18:23:03 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



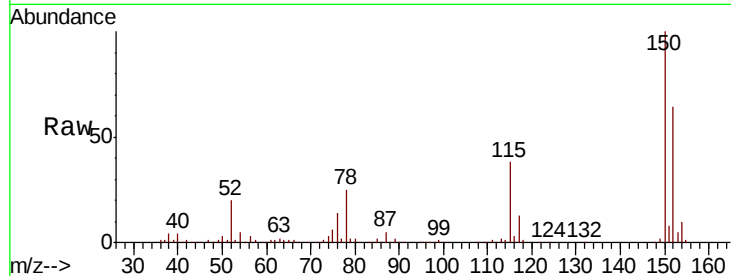


#1

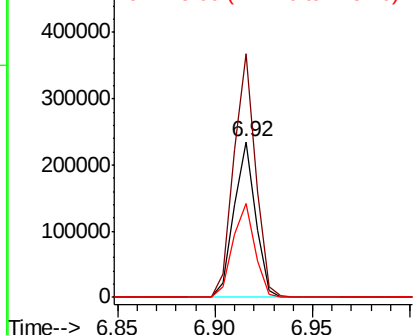
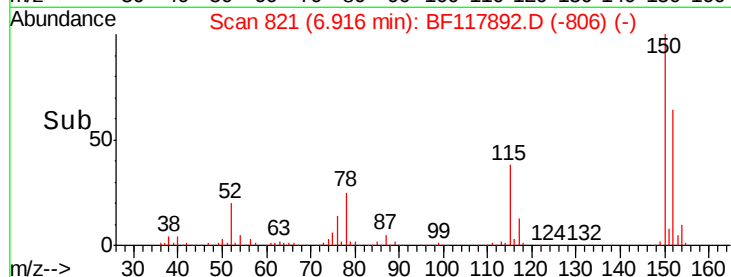
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF117892.D
 Acq: 20 Nov 2019 14:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 181219
 Ion Ratio Lower Upper
 152 100
 150 156.2 125.3 187.9
 115 60.1 47.0 70.4



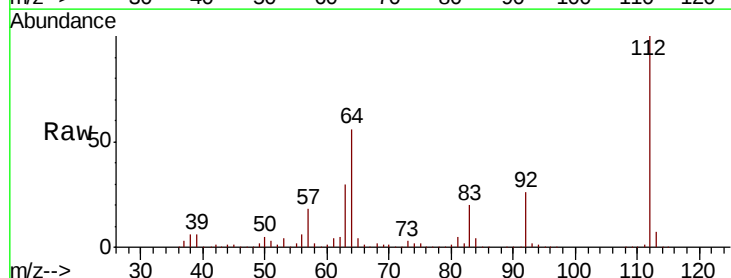
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



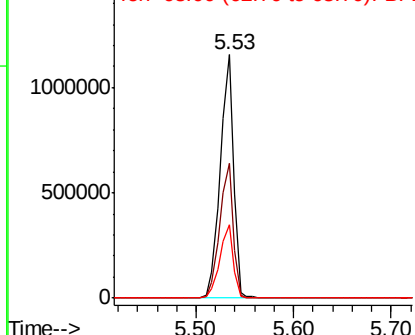
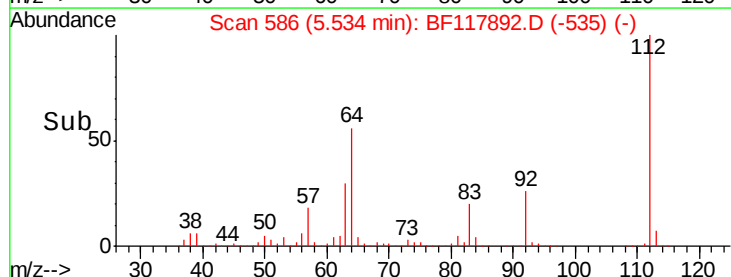
#5

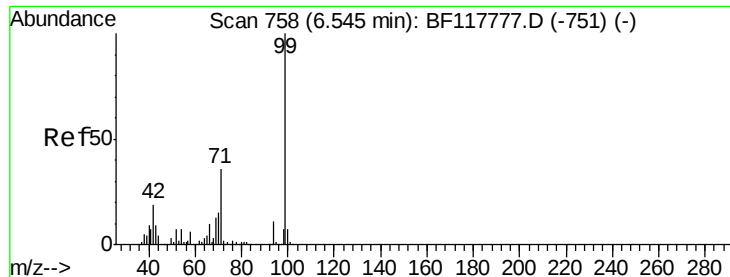
2-Fluorophenol
 Concen: 108.023 ng
 RT: 5.53 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: BF117892.D
 Acq: 20 Nov 2019 14:51

Tgt Ion:112 Resp: 1105914
 Ion Ratio Lower Upper
 112 100
 64 55.6 45.6 68.4
 63 30.3 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: 116.290 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117892.D

Acq: 20 Nov 2019 14:51

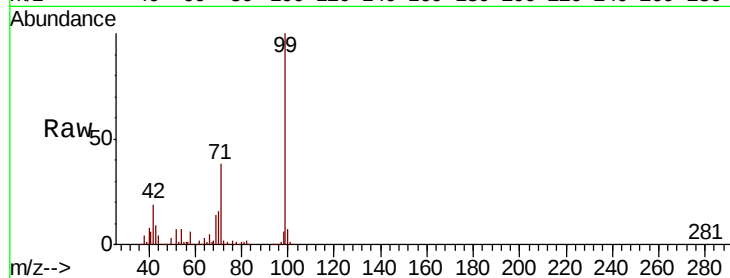
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1435997

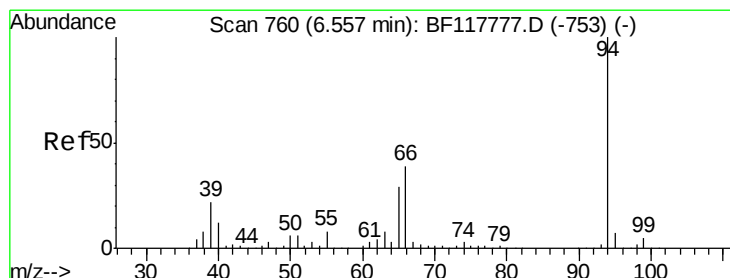
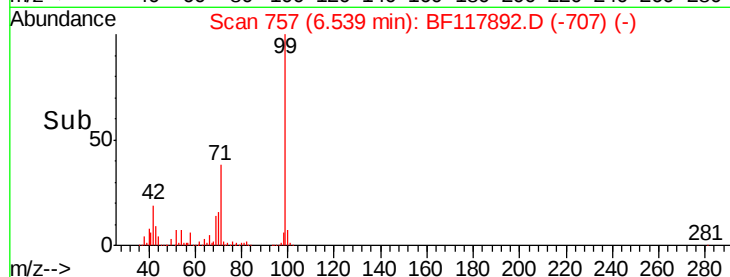
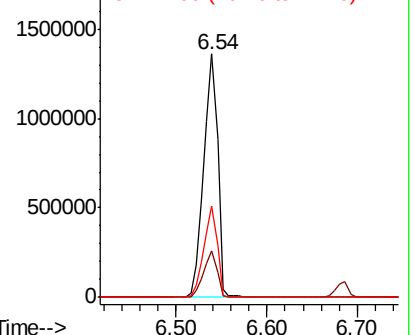
Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.9	22.3
71	37.6	28.6	43.0



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



#10

Phenol

Concen: 2.857 ng

RT: 6.55 min Scan# 759

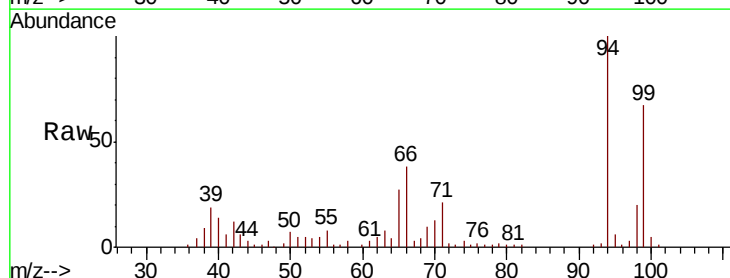
Delta R.T. -0.01 min

Lab File: BF117892.D

Acq: 20 Nov 2019 14:51

Tgt Ion: 94 Resp: 36665

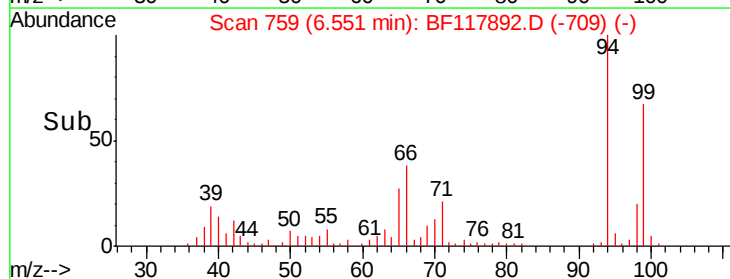
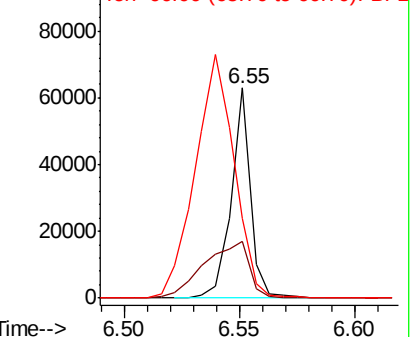
Ion	Ratio	Lower	Upper
94	100		
65	26.8	8.9	48.9
66	37.9	18.7	58.7



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

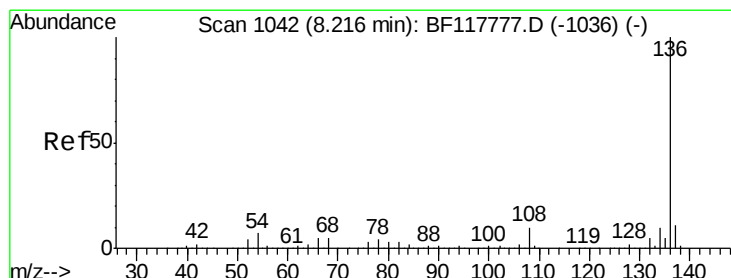
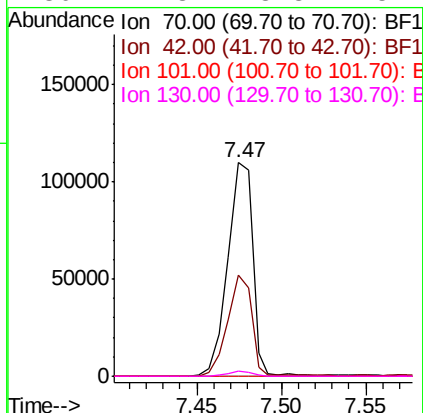
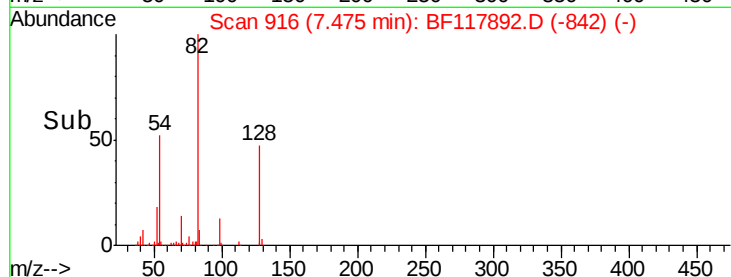
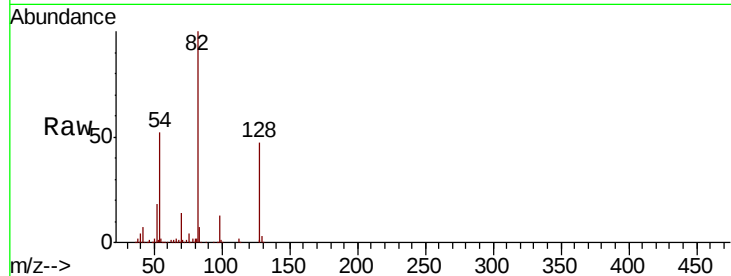




#19
n-Nitroso-di-n-propylamine
Concen: 14.879 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF117892.D
Acq: 20 Nov 2019 14:51

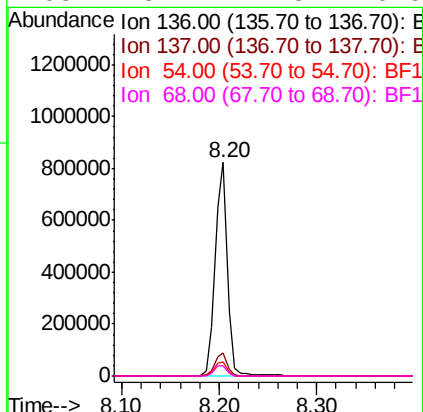
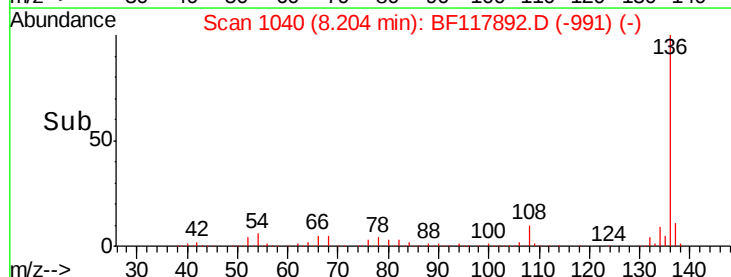
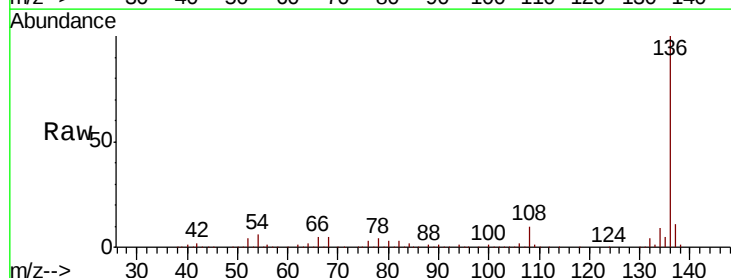
Instrument :
BNA_F
ClientSampleId :

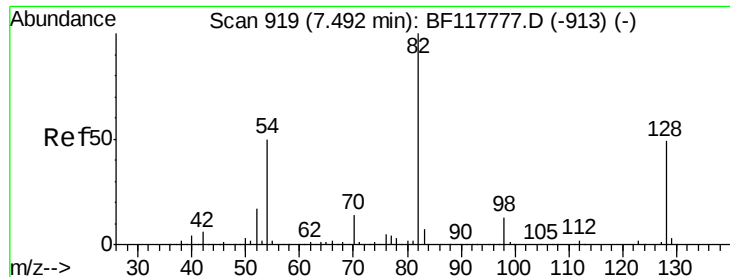
Tot Ion: 70 Resp: 113351
Ion Ratio Lower Upper
70 100
42 47.5 47.4 71.2
101 0.0 8.4 12.6#
130 2.3 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117892.D
Acq: 20 Nov 2019 14:51

Tgt Ion: 136 Resp: 713901
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.5 5.4 8.2
68 5.1 4.3 6.5

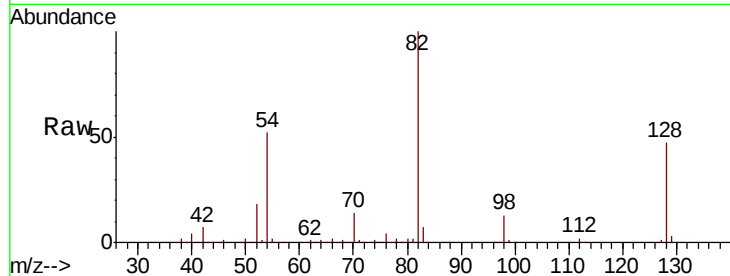




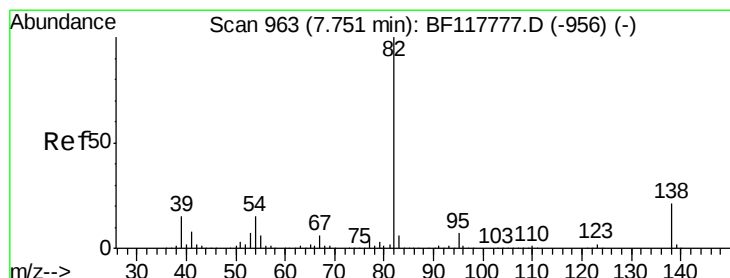
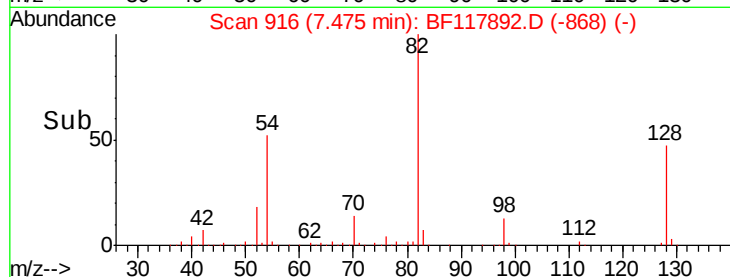
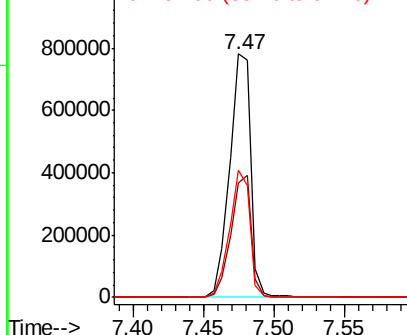
#23
Nitrobenzene-d5
Concen: 67.834 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117892.D
Acq: 20 Nov 2019 14:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 814638
Ion Ratio Lower Upper
82 100
128 47.1 38.9 58.3
54 52.1 39.8 59.6

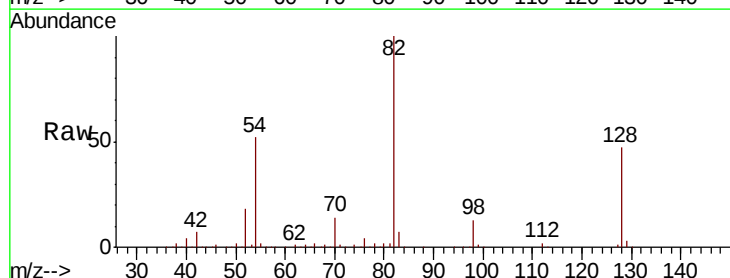


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

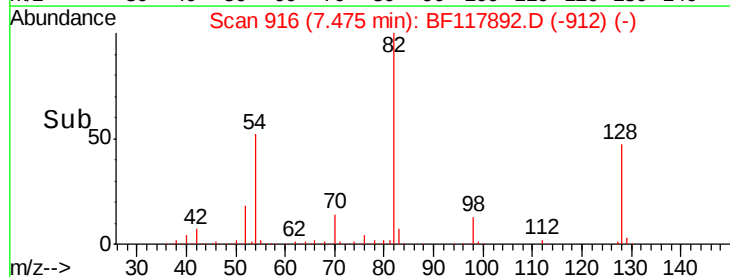
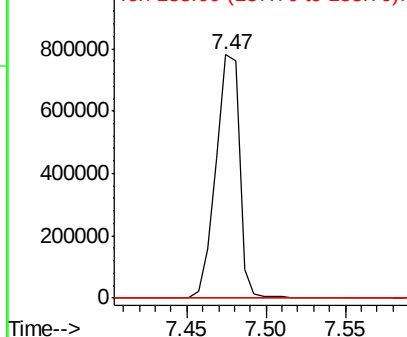


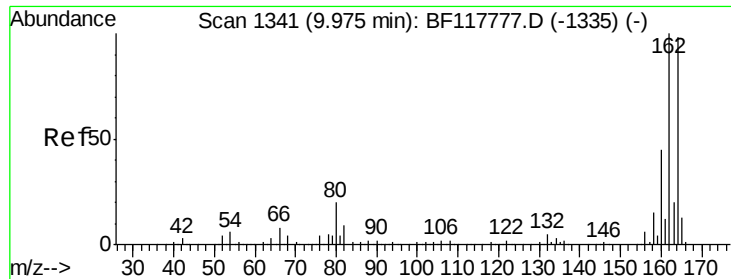
#25
Isophorone
Concen: 36.628 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.28 min
Lab File: BF117892.D
Acq: 20 Nov 2019 14:51

Tgt Ion: 82 Resp: 806218
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

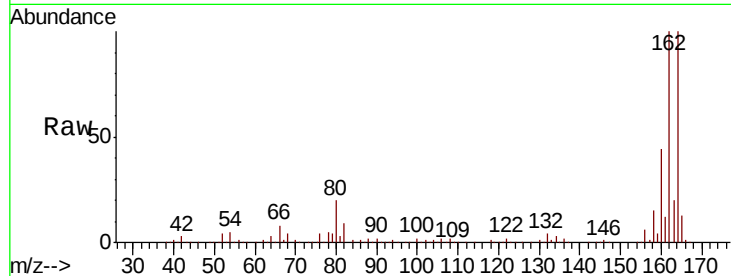




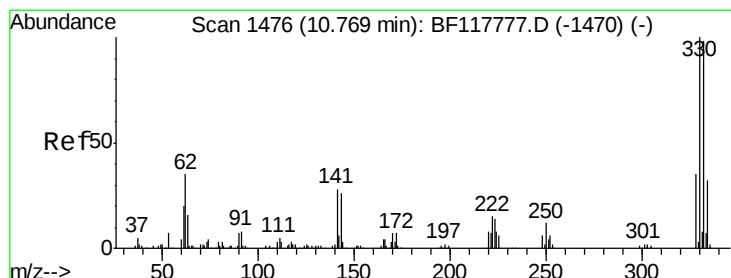
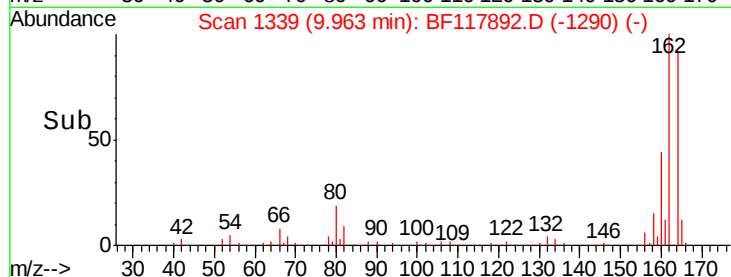
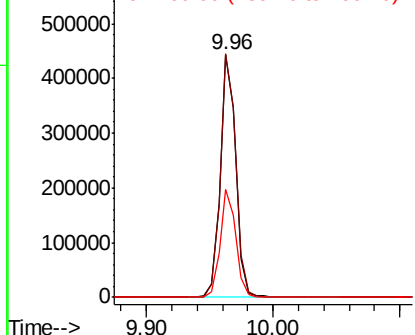
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117892.D
Acq: 20 Nov 2019 14:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 380431
Ion Ratio Lower Upper
164 100
162 100.5 81.3 121.9
160 44.3 36.6 55.0

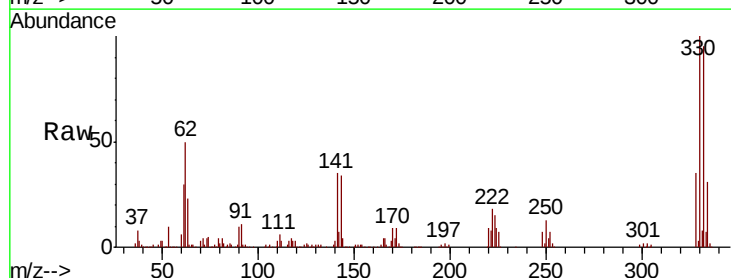


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

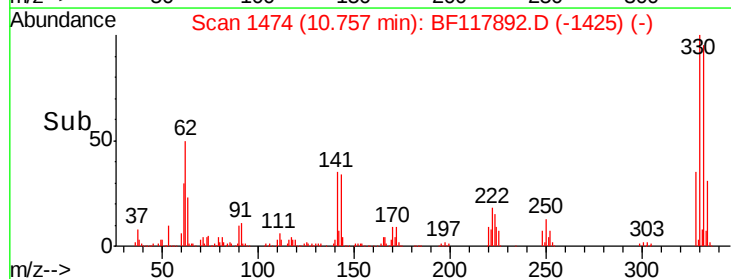
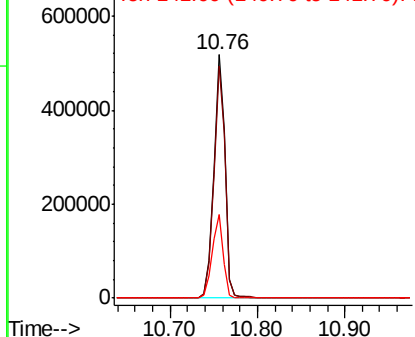


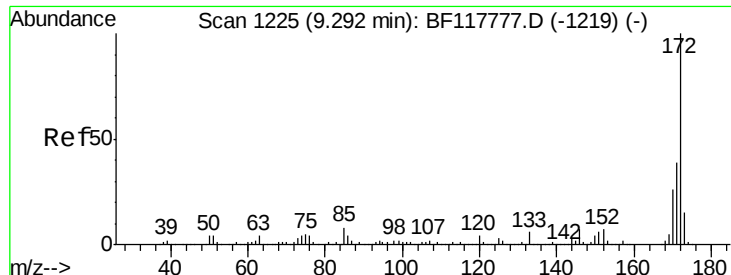
#42
2,4,6-Tribromophenol
Concen: 114.485 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117892.D
Acq: 20 Nov 2019 14:51

Tgt Ion:330 Resp: 461098
Ion Ratio Lower Upper
330 100
332 95.8 76.7 115.1
141 34.2 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

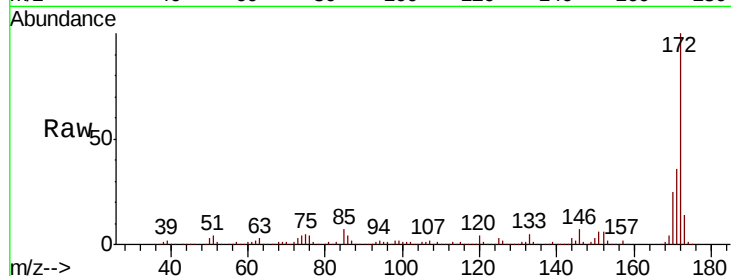




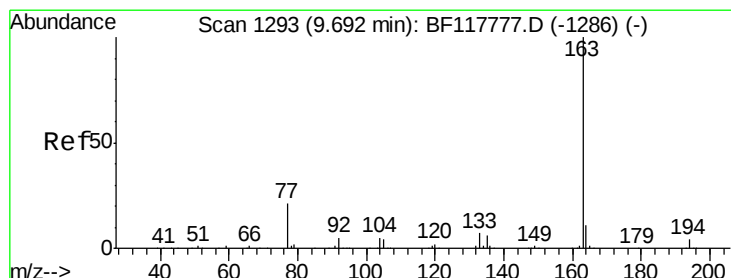
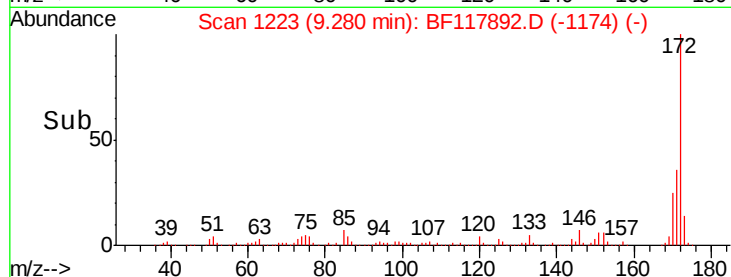
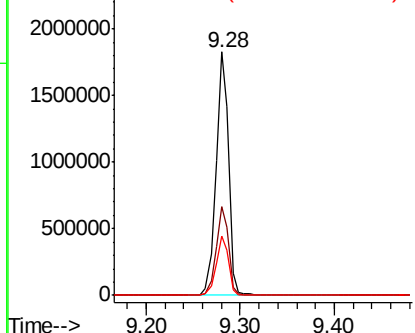
#45
2-Fluorobiphenyl
Concen: 81.055 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117892.D
Acq: 20 Nov 2019 14:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1718794
Ion Ratio Lower Upper
172 100
171 36.2 30.9 46.3
170 24.6 21.0 31.4

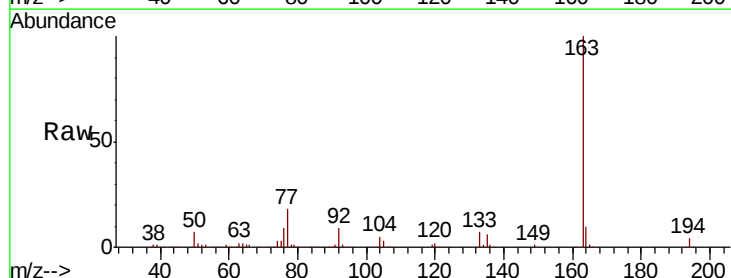


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

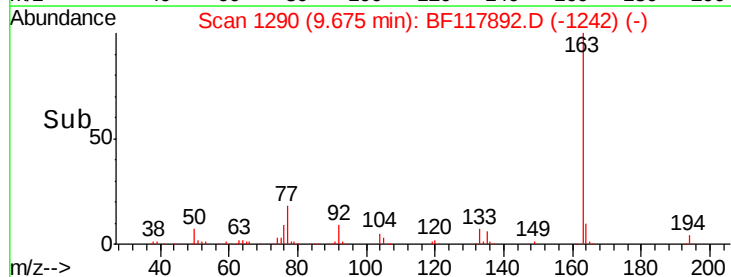
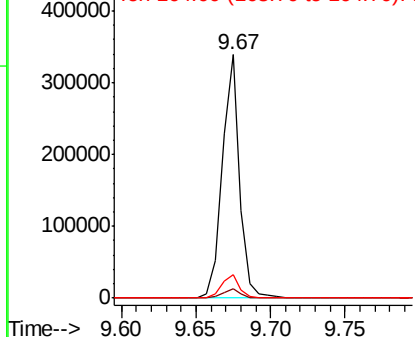


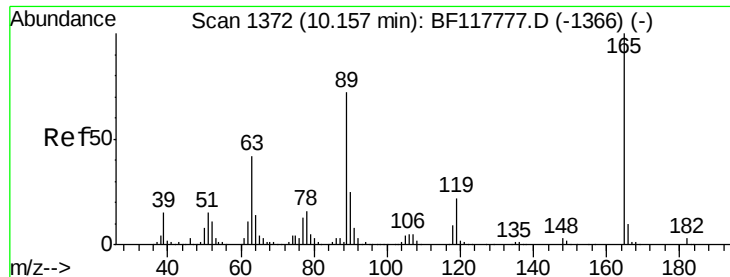
#50
Dimethylphthalate
Concen: 10.365 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117892.D
Acq: 20 Nov 2019 14:51

Tgt Ion:163 Resp: 276506
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 9.8 8.7 13.1



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





#57

2,4-Dinitrotoluene

Concen: 6.582 ng

RT: 9.96 min Scan# 1339

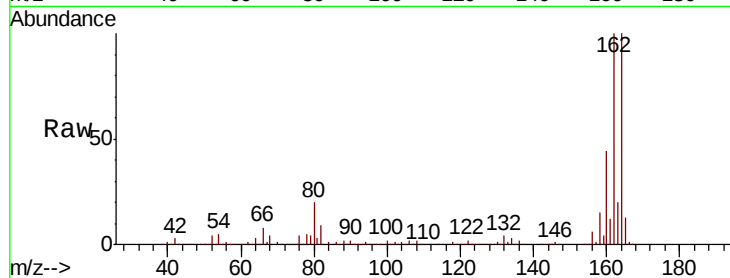
Delta R.T. -0.19 min

Lab File: BF117892.D

Acq: 20 Nov 2019 14:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	48819
Ion Ratio	Lower	Upper
165	100	
63	1.2	33.7 50.5#
89	1.1	57.3 85.9#
182	0.0	2.3 3.5#

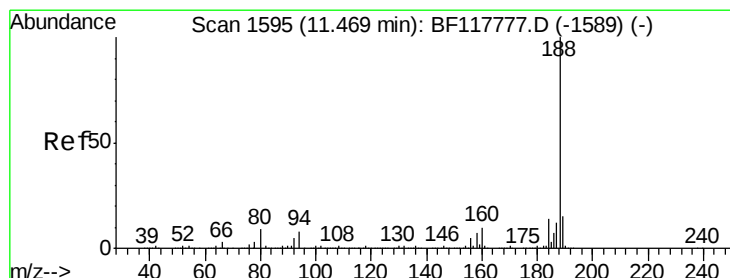
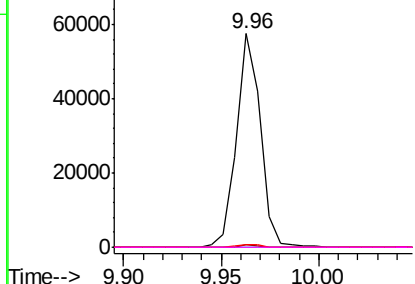
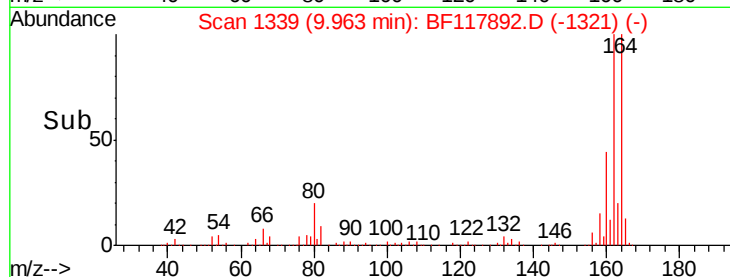


Abundance Ion 165.00 (164.70 to 165.70): E

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

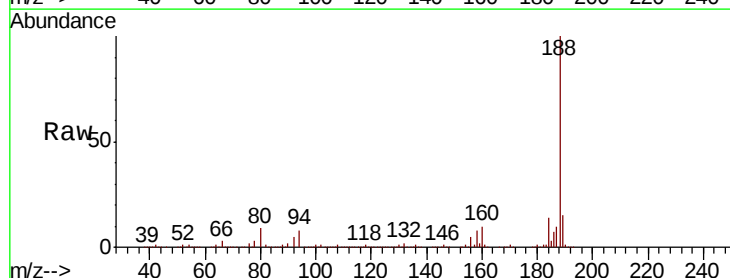
RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF117892.D

Acq: 20 Nov 2019 14:51

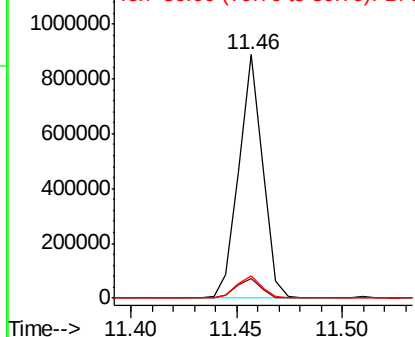
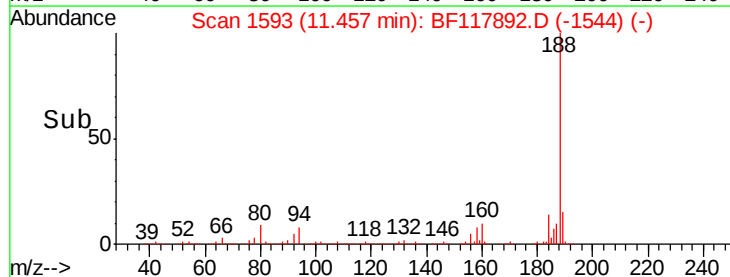
Tgt Ion:188	Resp:	692422
Ion Ratio	Lower	Upper
188	100	
94	8.3	6.6 10.0
80	8.9	7.2 10.8

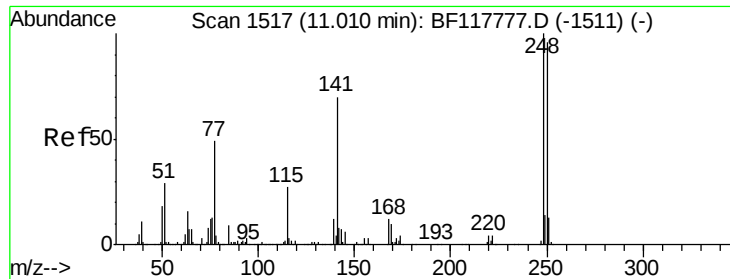


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

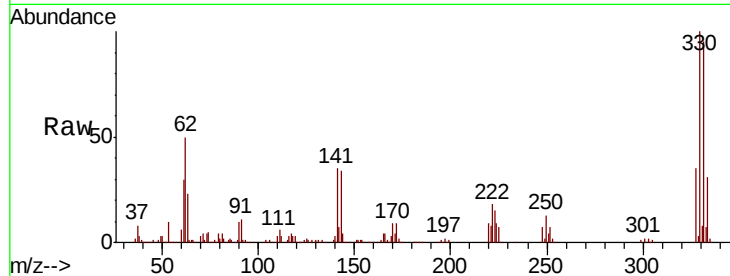




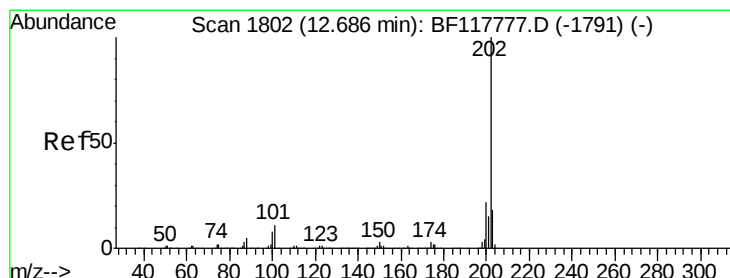
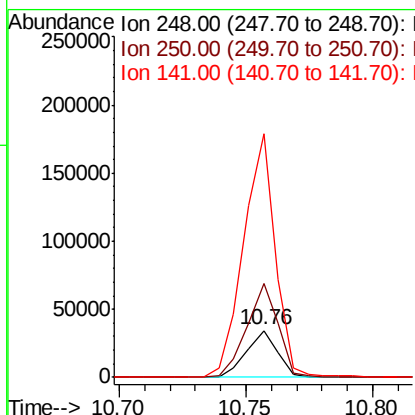
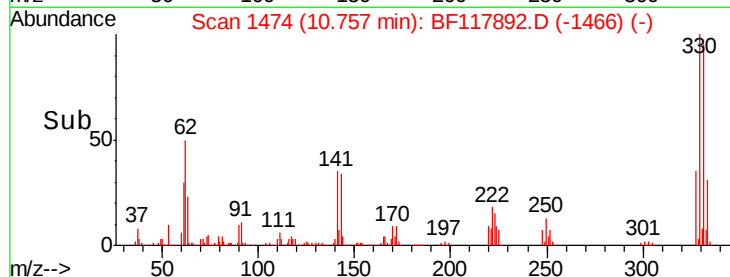
#67
4-Bromophenyl-phenylether
Concen: 3.976 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.25 min
Lab File: BF117892.D
Acq: 20 Nov 2019 14:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 29709
Ion Ratio Lower Upper
248 100
250 198.3 76.6 115.0#
141 516.8 55.9 83.9#

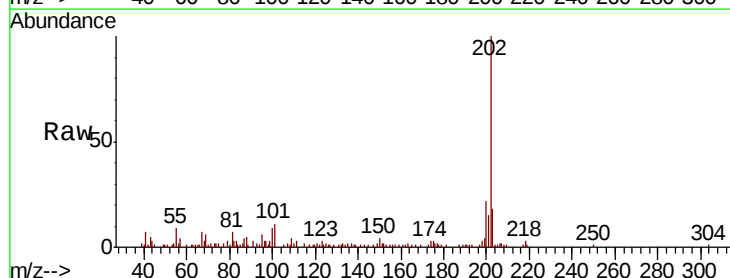


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

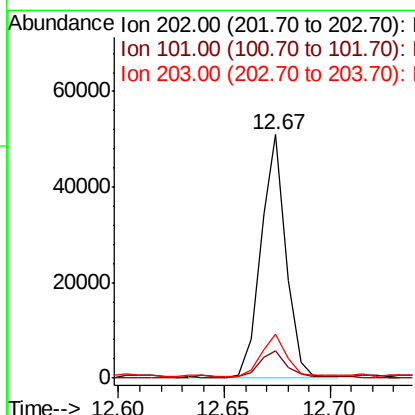
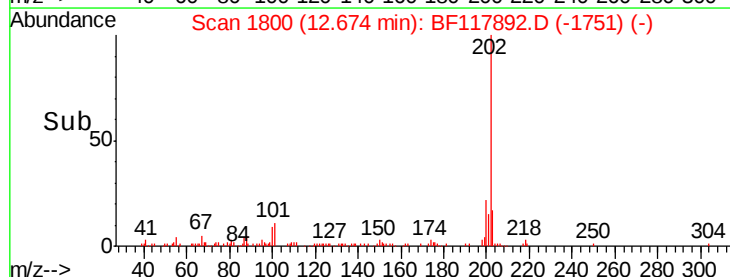


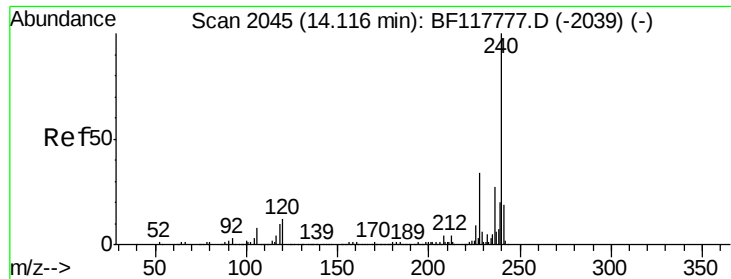
#75
Fluoranthene
Concen: Below Cal
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117892.D
Acq: 20 Nov 2019 14:51

Tgt Ion:202 Resp: 42520
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.1
203 18.3 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

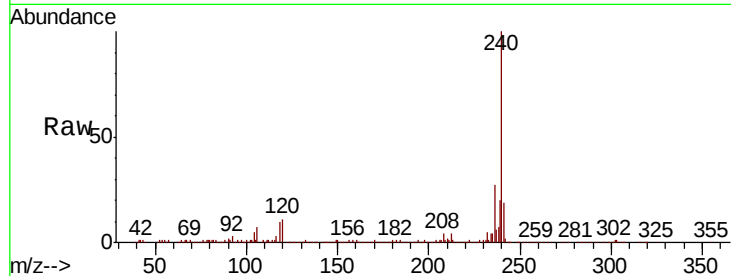




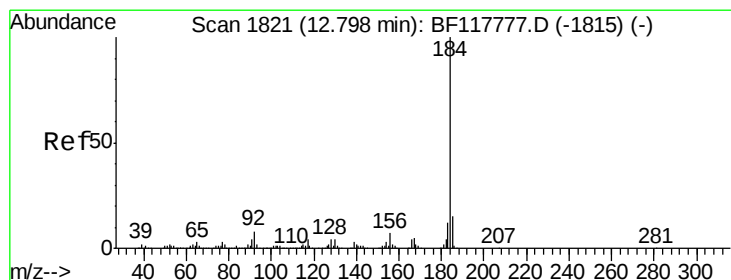
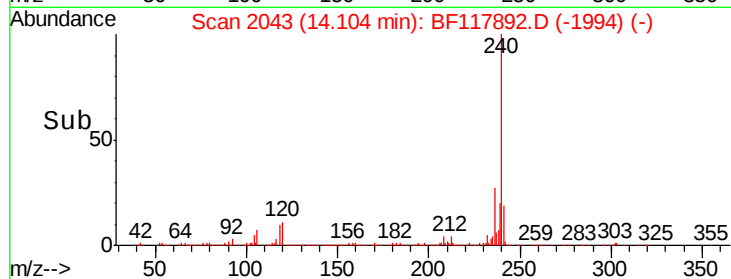
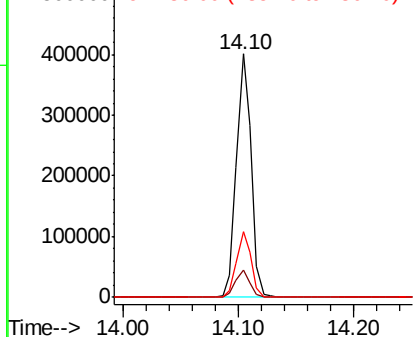
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.01 min
 Lab File: BF117892.D
 Acq: 20 Nov 2019 14:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:240 Resp: 354349
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.5 14.3
 236 26.8 21.3 31.9

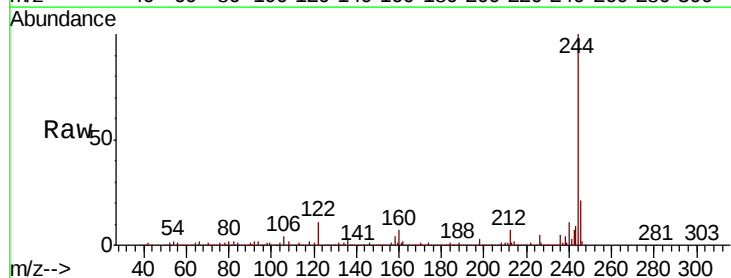


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

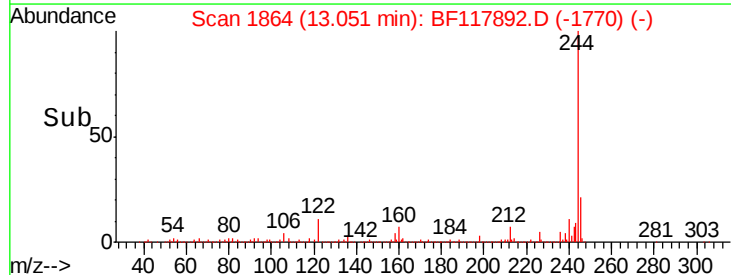
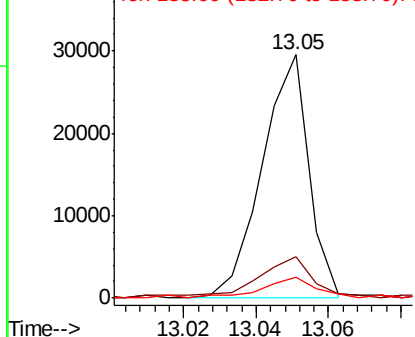


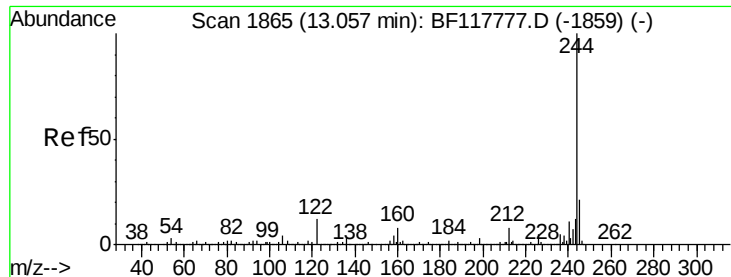
#77
 Benzidine
 Concen: 2.273 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. 0.25 min
 Lab File: BF117892.D
 Acq: 20 Nov 2019 14:51

Tgt Ion:184 Resp: 26380
 Ion Ratio Lower Upper
 184 100
 185 16.8 12.2 18.4
 183 8.4 9.5 14.3#



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



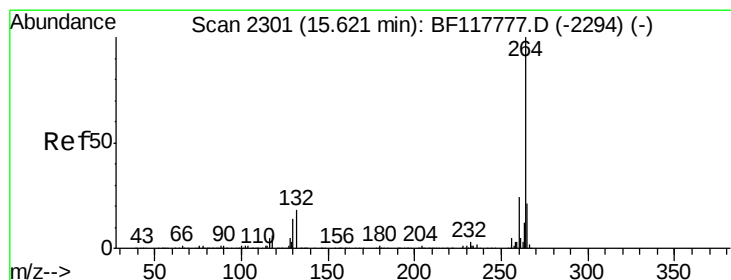
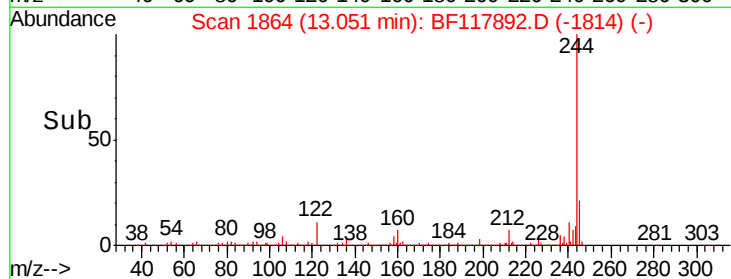
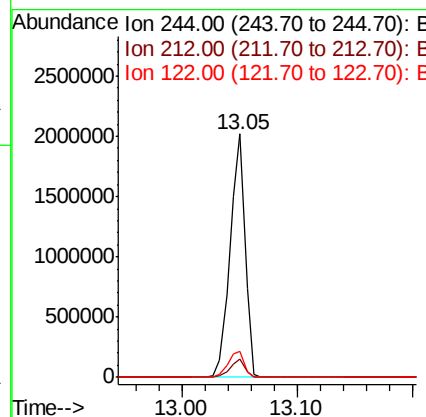
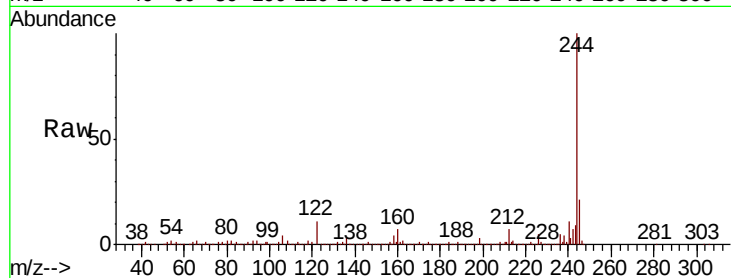


#79
 Terphenyl-d14
 Concen: 93.767 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117892.D
 Acq: 20 Nov 2019 14:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1818017

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.3	9.5
122	10.8	9.4	14.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF117892.D
 Acq: 20 Nov 2019 14:51

Tgt Ion:264 Resp: 388230

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	22.1	17.1	25.7

