

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
 Data File : BF117988.D
 Acq On : 26 Nov 2019 1:43
 Operator : JU
 Sample : K5840-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 26 03:55:06 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	6.89	152	184117	20.00	ng	-0.04
21) Naphthalene-d8	8.17	136	713204	20.00	ng	-0.04
39) Acenaphthene-d10	9.94	164	310610	20.00	ng	-0.04
64) Phenanthrene-d10	11.43	188	566632	20.00	ng	-0.04
76) Chrysene-d12	14.08	240	283683	20.00	ng	-0.04
87) Perylene-d12	15.57	264	290874	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	949991	91.33	ng	-0.03
7) Phenol-d6	6.52	99	1119049	89.20	ng	-0.03
23) Nitrobenzene-d5	7.45	82	646257	53.87	ng	-0.04
42) 2,4,6-Tribromophenol	10.73	330	281741	85.68	ng	-0.04
45) 2-Fluorobiphenyl	9.26	172	1392252	80.41	ng	-0.04
79) Terphenyl-d14	13.02	244	1048567	67.55	ng	-0.04

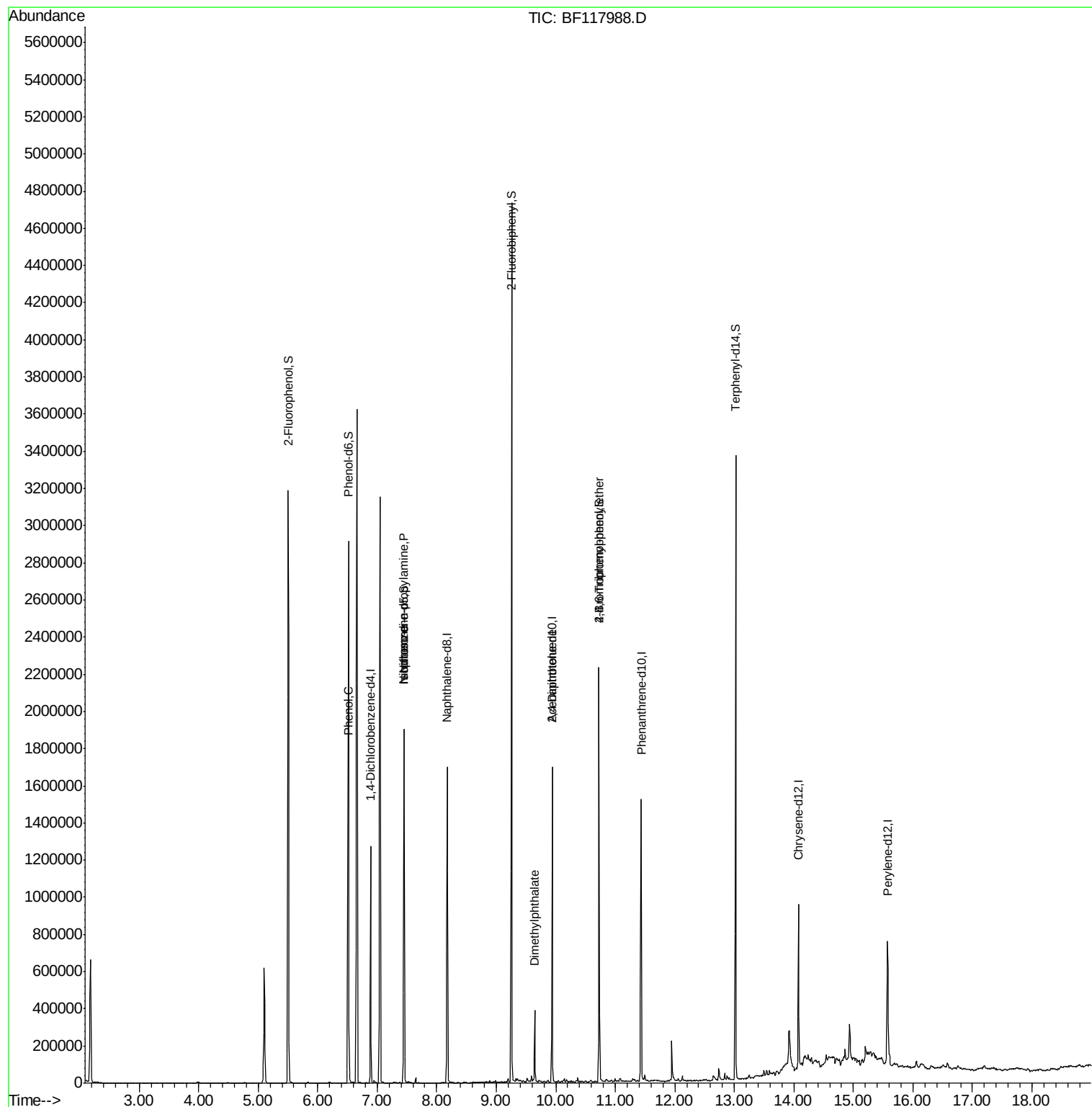
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	2090	Below Cal		# 1
10) Phenol	6.53	94	58292	4.471	ng	93
19) n-Nitroso-di-n-propylamine	7.45	70	87004	11.241	ng	# 74
25) Isophorone	7.45	82	640420	29.124	ng	# 62
50) Dimethylphthalate	9.65	163	141222	6.484	ng	99
57) 2,4-Dinitrotoluene	9.94	165	40151	6.631	ng	# 25
67) 4-Bromophenyl-phenylether	10.73	248	17868	2.923	ng	# 1
75) Fluoranthene	12.64	202	8604	Below Cal		93

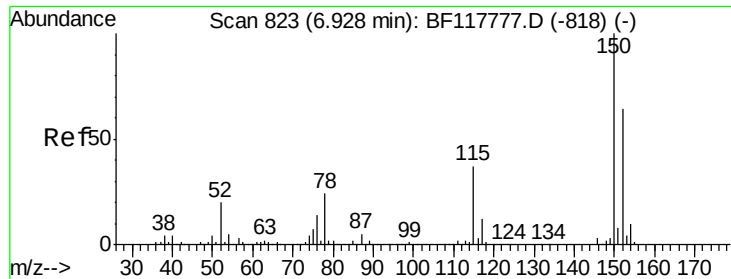
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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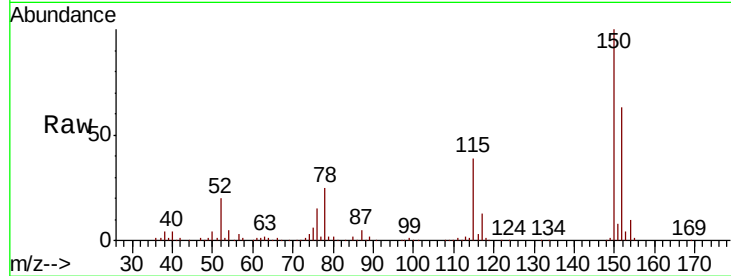


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.04 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	125.3	187.9
115	61.9	47.0	70.4

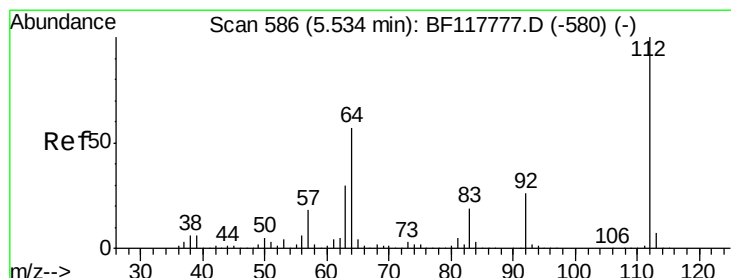
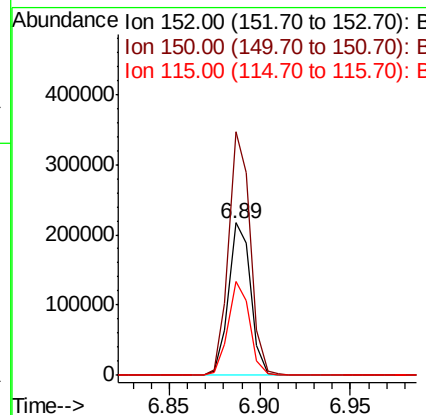
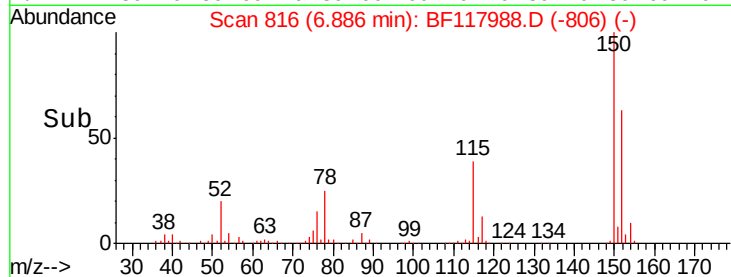


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

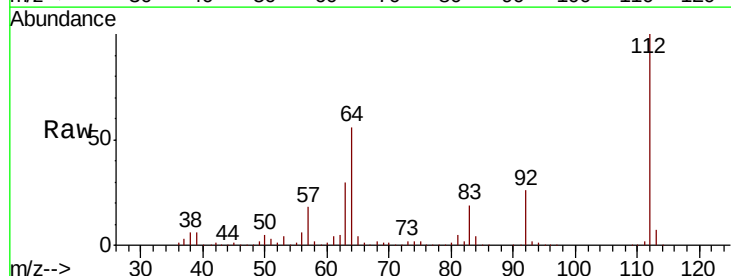
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.332 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.03 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.6	68.4
63	30.1	24.1	36.1

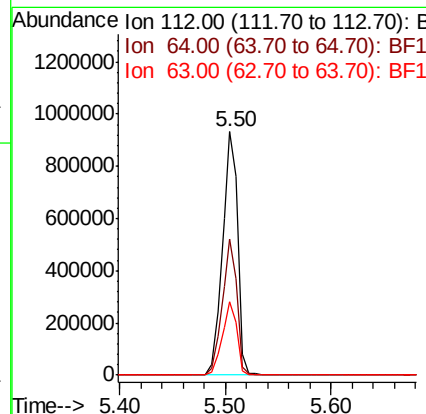
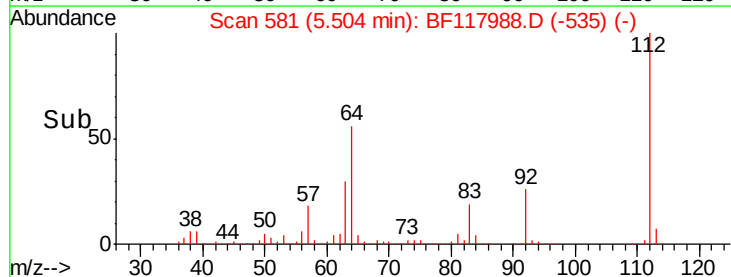


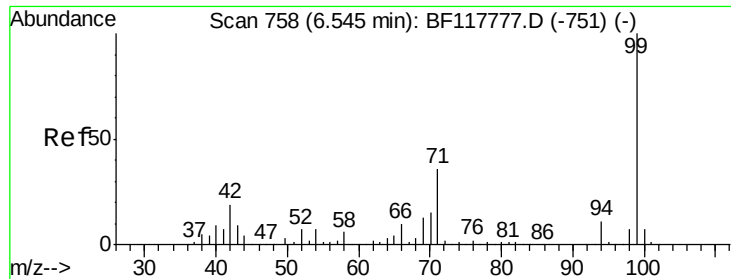
Abundance

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: 89.197 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF117988.D

Acq: 26 Nov 2019 1:43

Instrument :

BNA_F

ClientSampled :

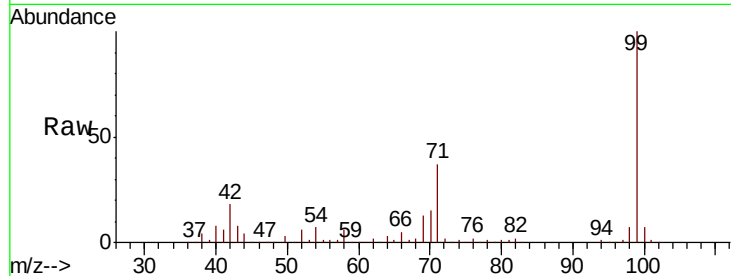
Tot Ion: 99 Resp: 1119049

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.9	22.3
71	36.8	28.6	43.0

99 100

42 17.8 14.9 22.3

71 36.8 28.6 43.0

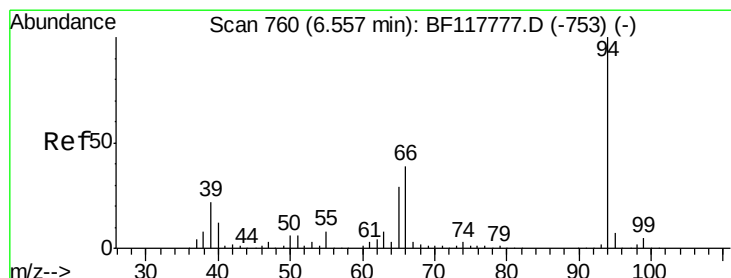
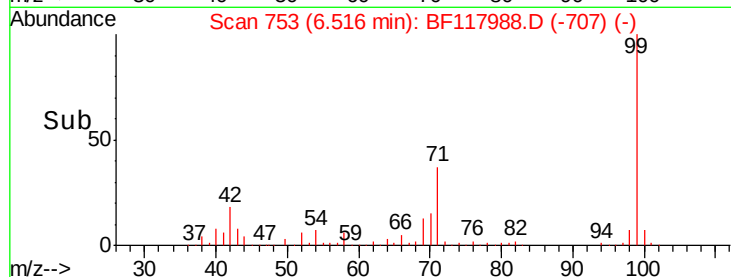
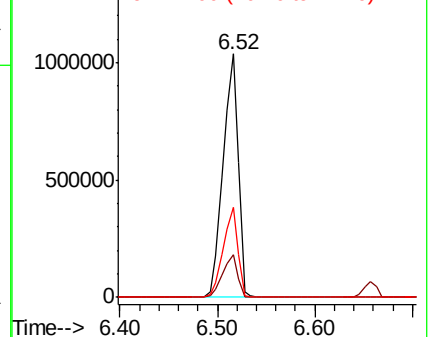


Abundance

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: 4.471 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.03 min

Lab File: BF117988.D

Acq: 26 Nov 2019 1:43

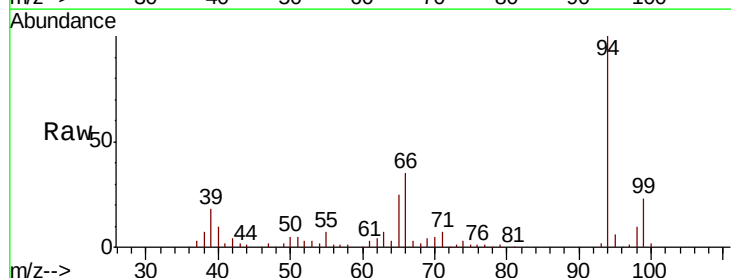
Tgt Ion: 94 Resp: 58292

Ion	Ratio	Lower	Upper
94	100		
65	24.6	8.9	48.9
66	35.3	18.7	58.7

94 100

65 24.6 8.9 48.9

66 35.3 18.7 58.7

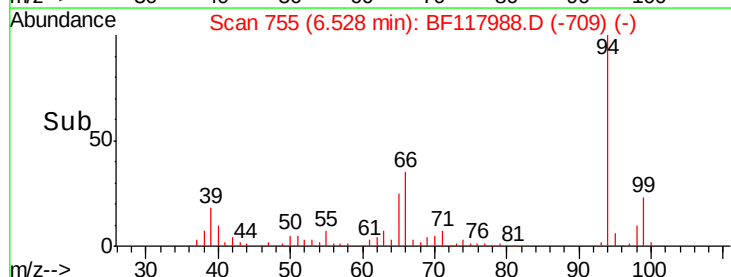
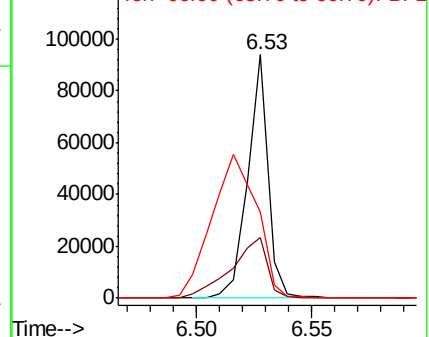


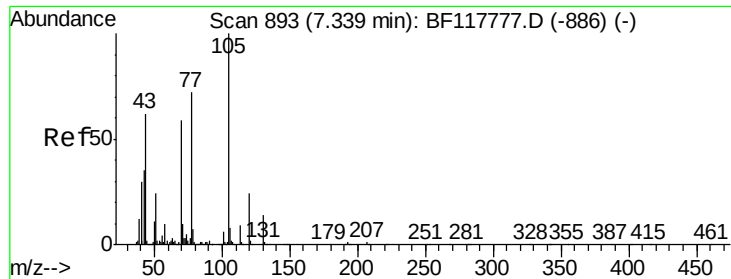
Abundance

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

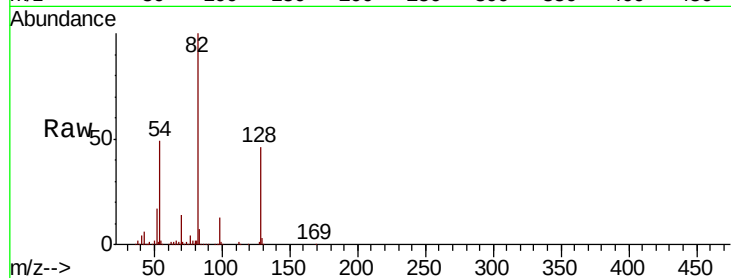




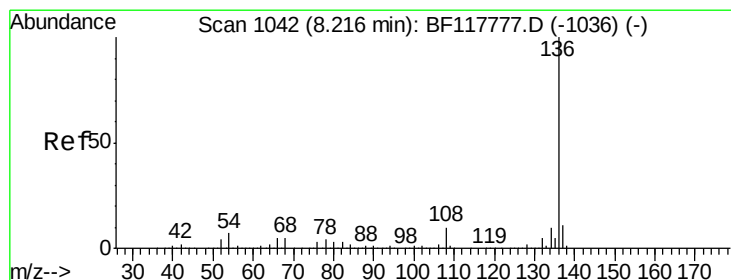
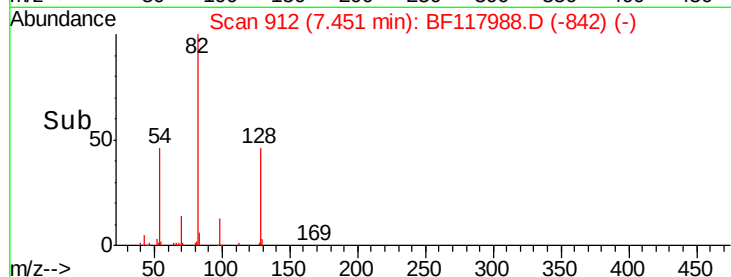
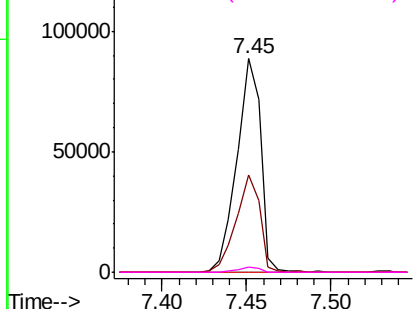
#19
n-Nitroso-di-n-propylamine
Concen: 11.241 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.11 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	87004
Ion	Ratio	Lower	Upper
70	100		
42	45.6	47.4	71.2#
101	0.0	8.4	12.6#
130	2.3	18.8	28.2#

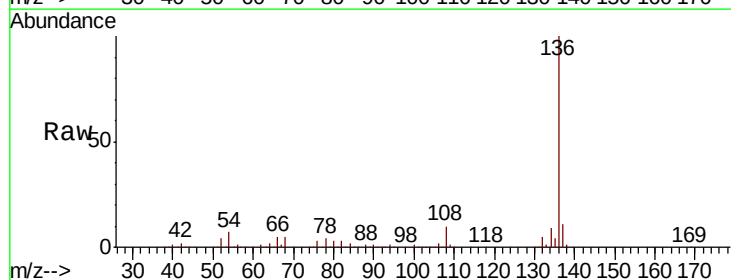


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

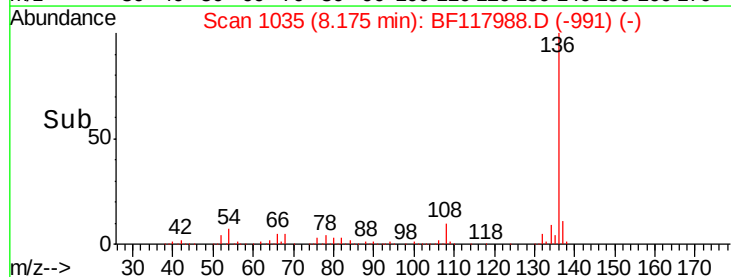
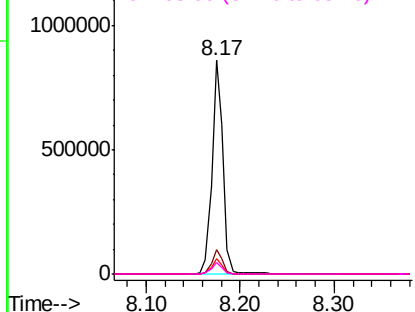


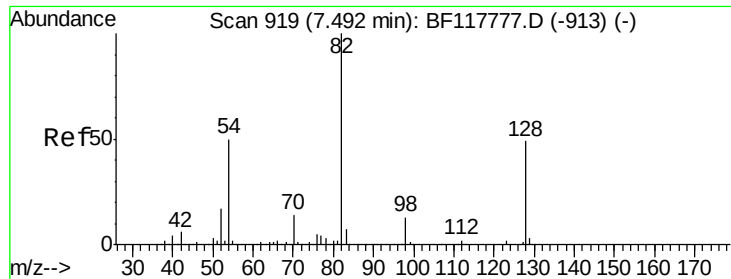
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.04 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

Tgt Ion:	136	Resp:	713204
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	7.1	5.4	8.2
68	5.3	4.3	6.5



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

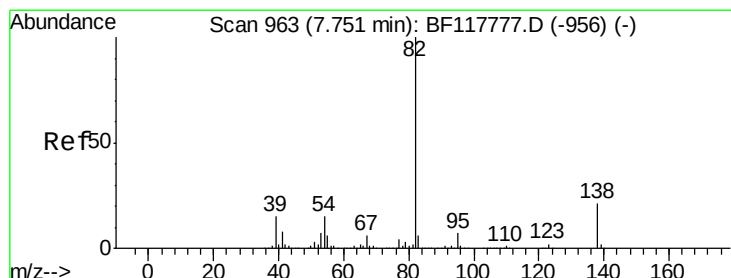
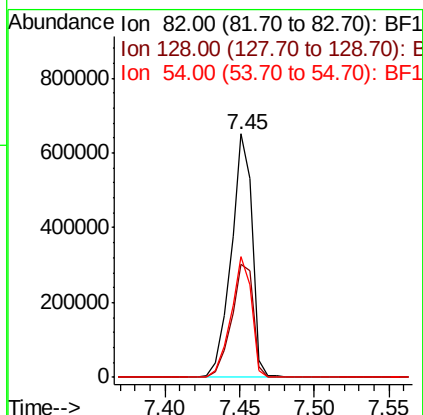
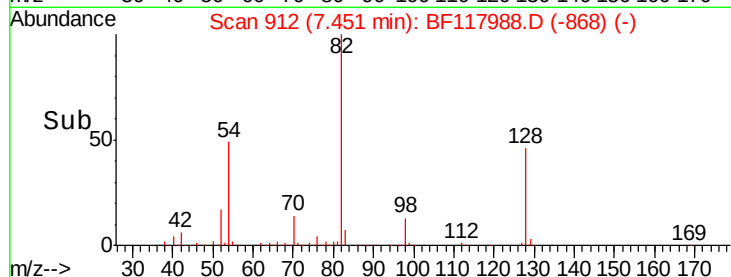
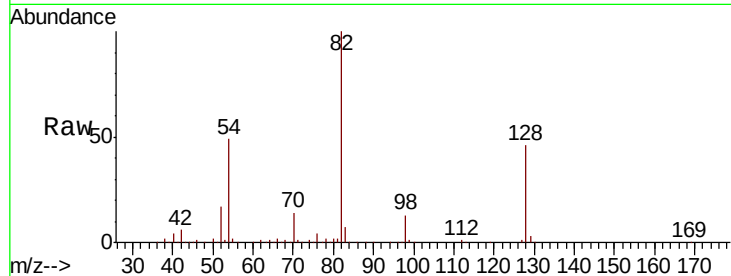




#23
 Nitrobenzene-d5
 Concen: 53.866 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.04 min
 Lab File: BF117988.D
 Acq: 26 Nov 2019 1:43

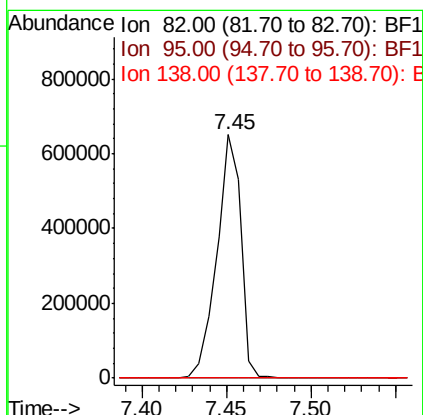
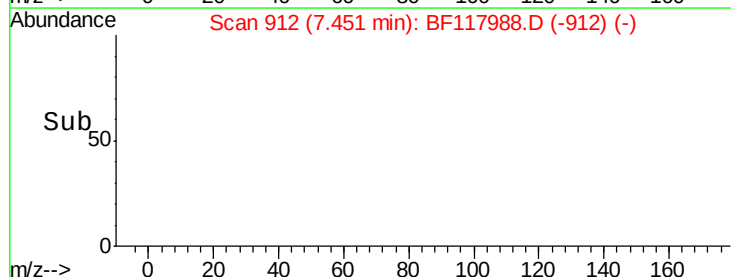
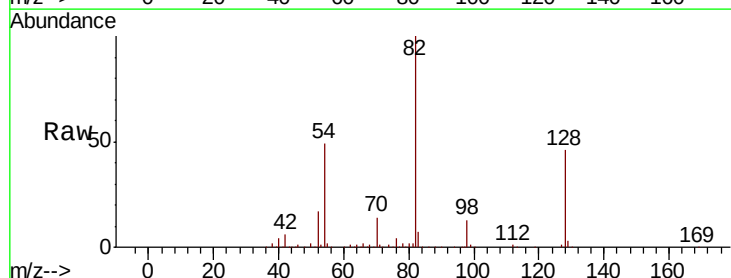
Instrument :
 BNA_F
 ClientSampleId :

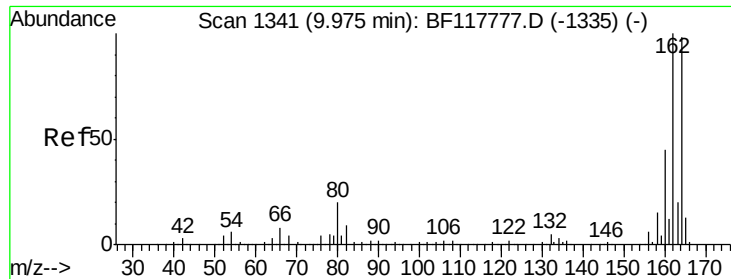
Tot Ion	82	Resp	646257
Ion Ratio	Lower	Upper	
82	100		
128	46.3	38.9	58.3
54	49.4	39.8	59.6



#25
 Isophorone
 Concen: 29.124 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.30 min
 Lab File: BF117988.D
 Acq: 26 Nov 2019 1:43

Tgt Ion	82	Resp	640420
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.8#
138	0.0	16.5	24.7#

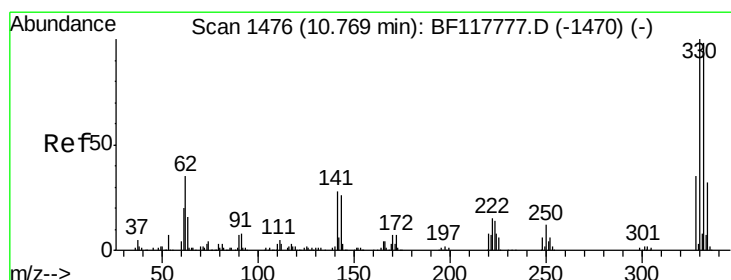
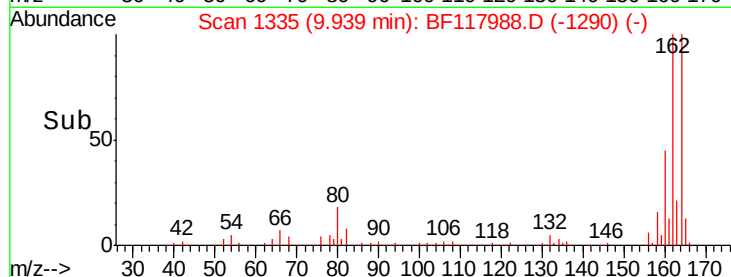
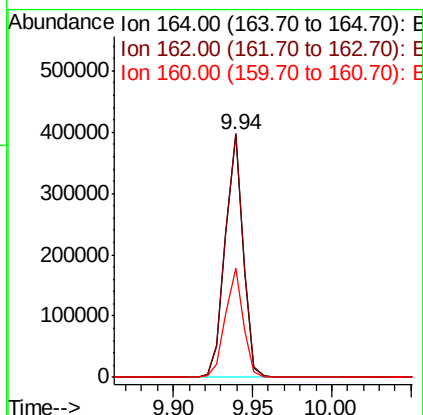
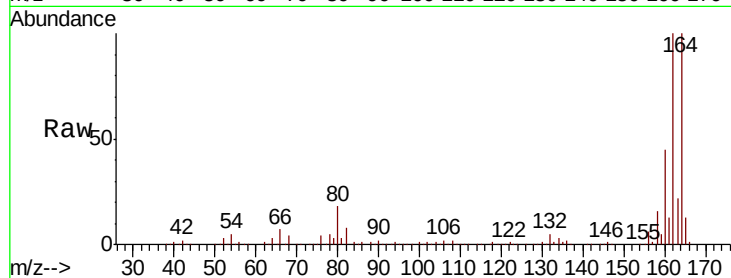




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.04 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

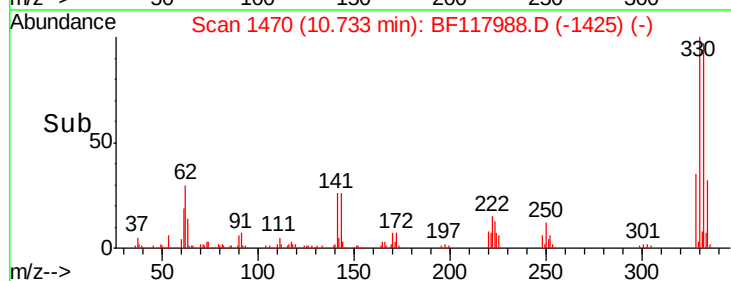
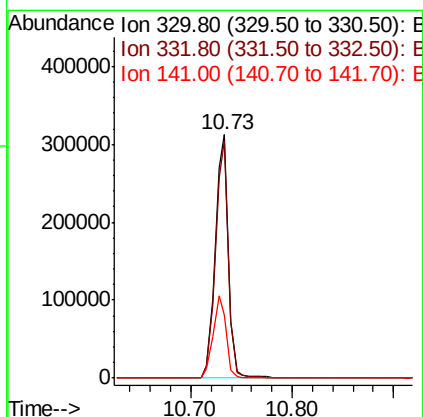
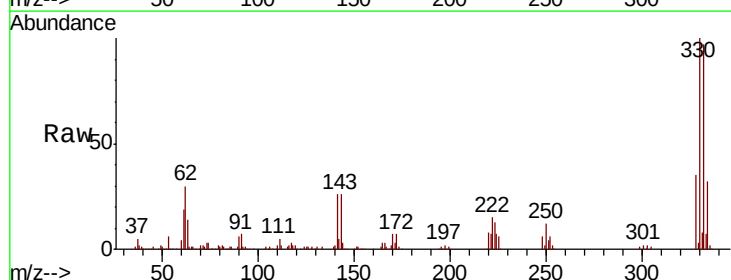
Instrument :
BNA_F
ClientSampled :

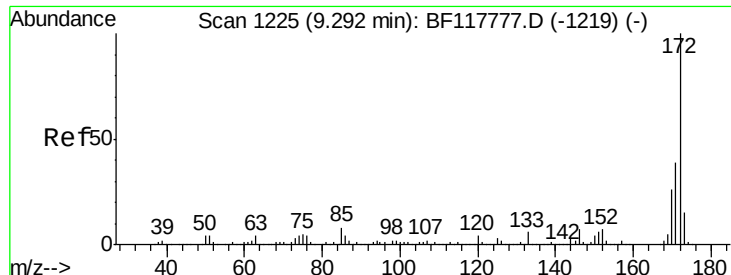
Tot Ion:164 Resp: 310610
Ion Ratio Lower Upper
164 100
162 100.2 81.3 121.9
160 45.2 36.6 55.0



#42
2,4,6-Tribromophenol
Concen: 85.677 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.04 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

Tgt Ion:330 Resp: 281741
Ion Ratio Lower Upper
330 100
332 96.3 76.7 115.1
141 33.6 27.7 41.5

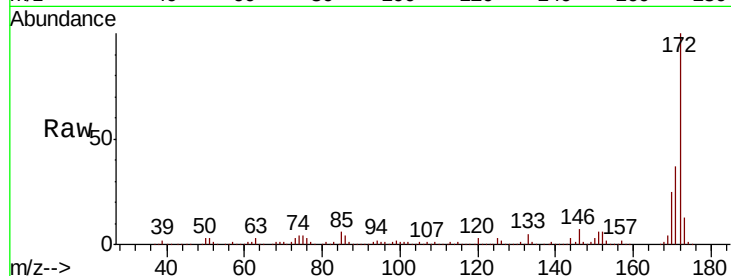




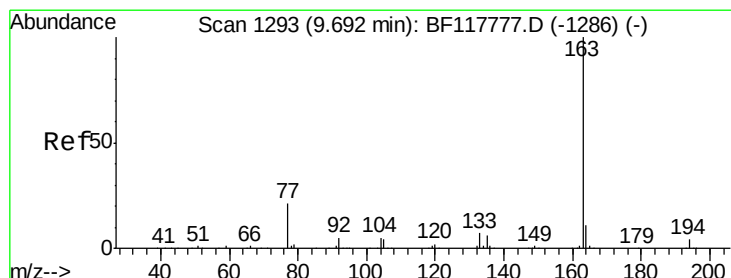
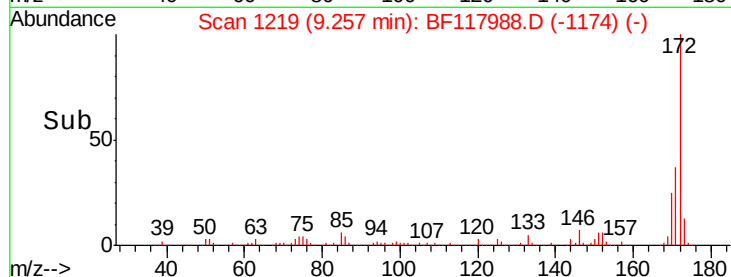
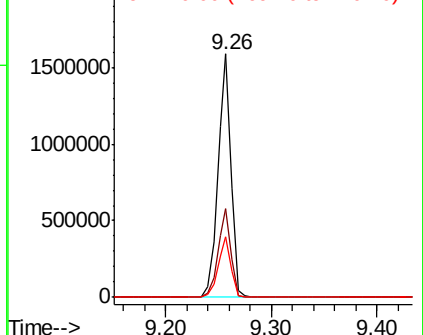
#45
2-Fluorobiphenyl
Concen: 80.414 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.04 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1392252
Ion Ratio Lower Upper
172 100
171 36.5 30.9 46.3
170 24.6 21.0 31.4

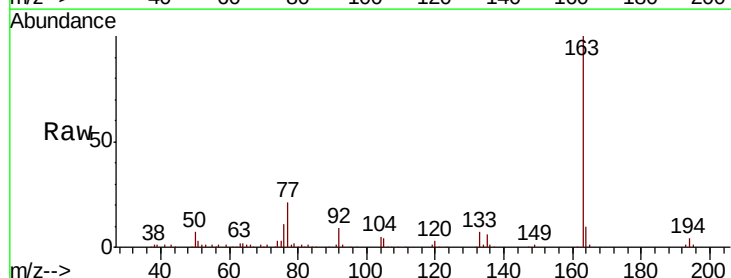


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

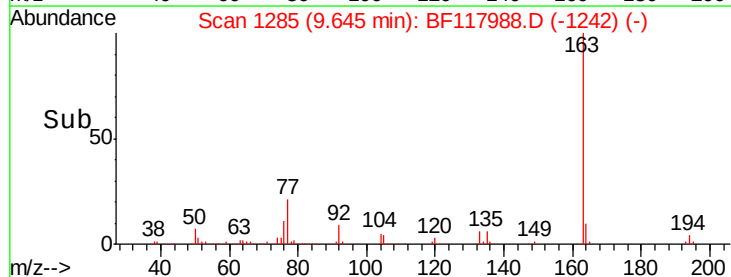
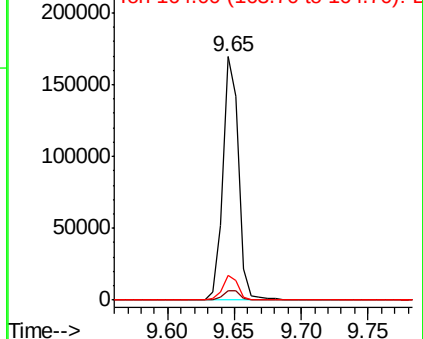


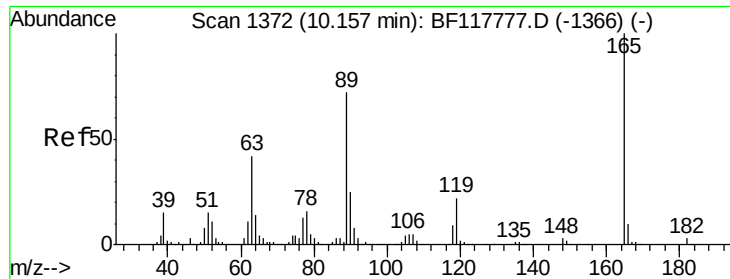
#50
Dimethylphthalate
Concen: 6.484 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.05 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

Tgt Ion:163 Resp: 141222
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.3 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

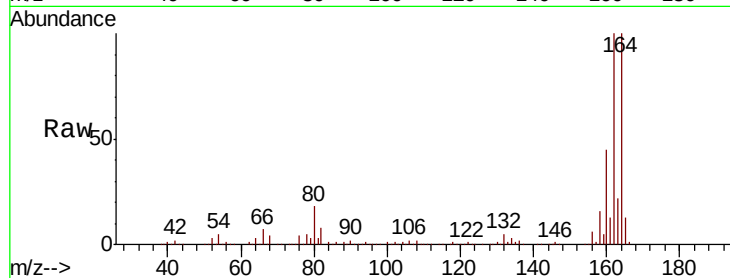




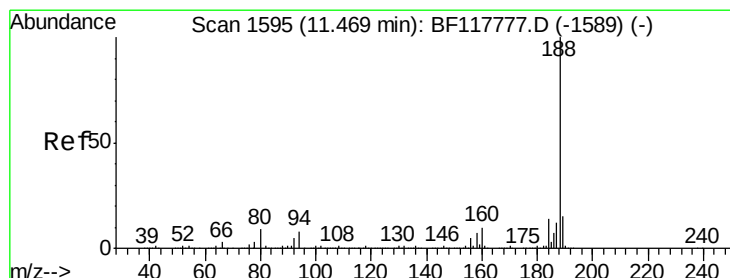
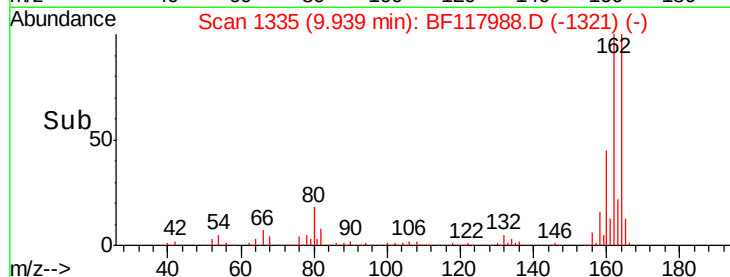
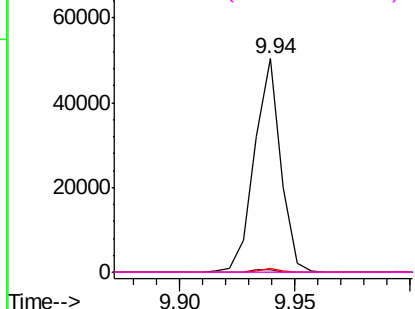
#57
2,4-Dinitrotoluene
Concen: 6.631 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.22 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	40151
Ion Ratio	Lower	Upper
165	100	
63	1.2	33.7 50.5#
89	1.7	57.3 85.9#
182	0.0	2.3 3.5#

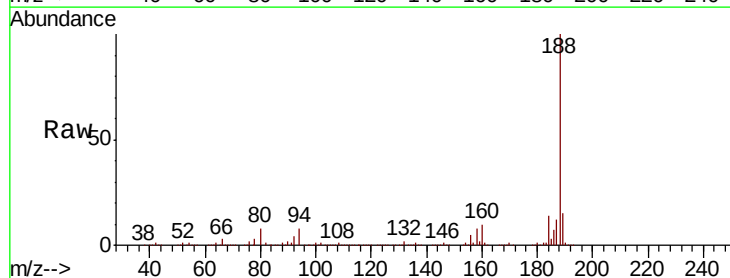


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

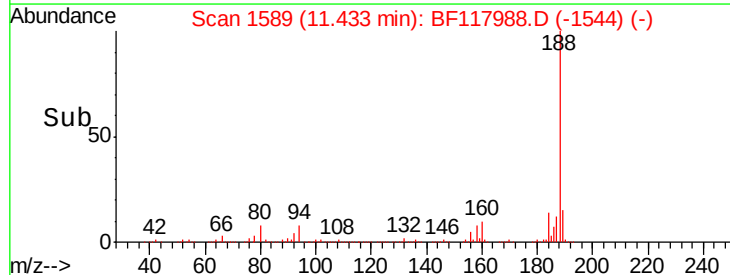
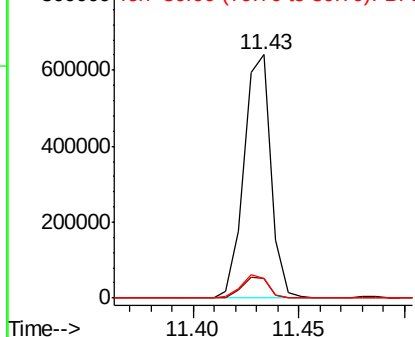


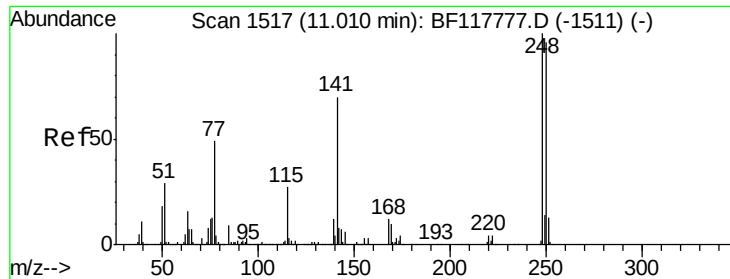
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.04 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

Tgt Ion:188	Resp:	566632
Ion Ratio	Lower	Upper
188	100	
94	7.8	6.6 10.0
80	8.3	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

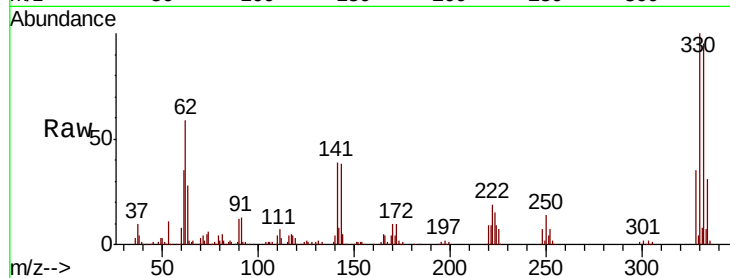




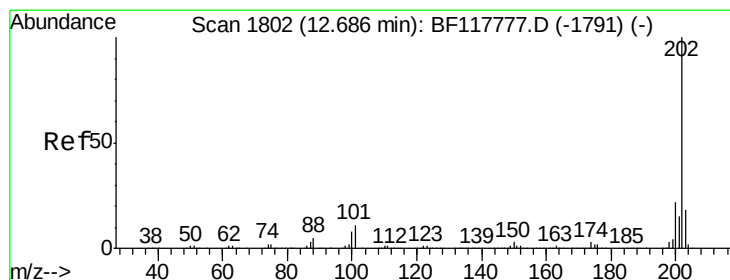
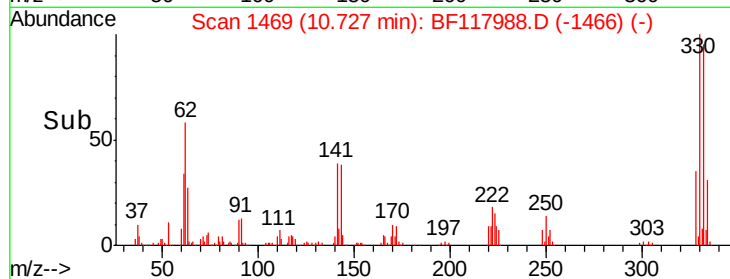
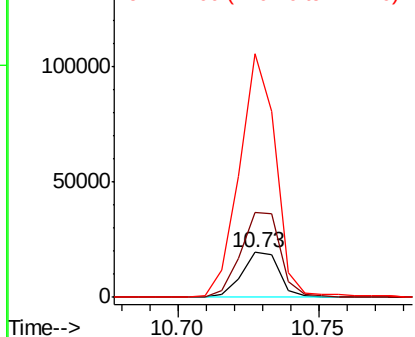
#67
 4-Bromophenyl-phenylether
 Concen: 2.923 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.28 min
 Lab File: BF117988.D
 Acq: 26 Nov 2019 1:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 17868
 Ion Ratio Lower Upper
 248 100
 250 191.0 76.6 115.0#
 141 543.7 55.9 83.9#

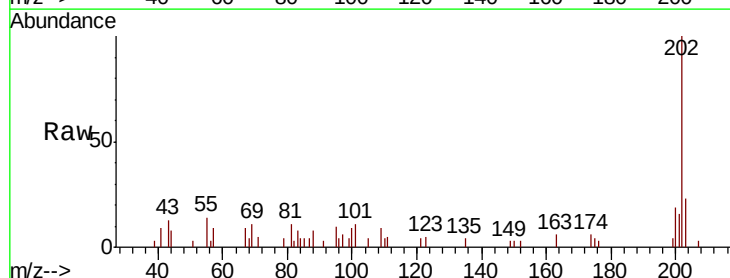


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

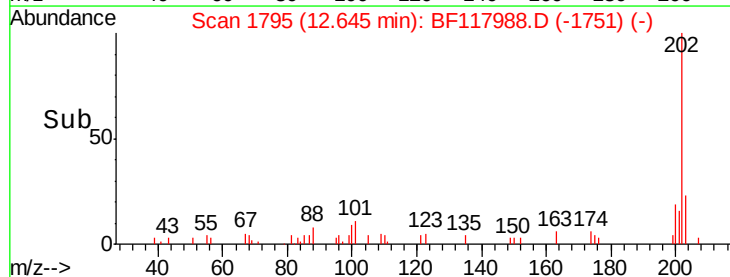
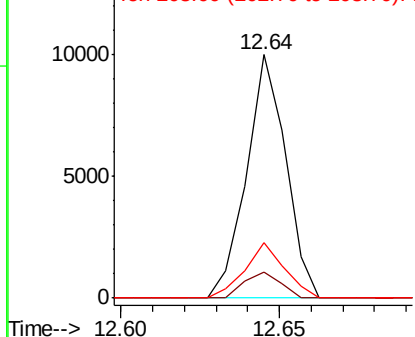


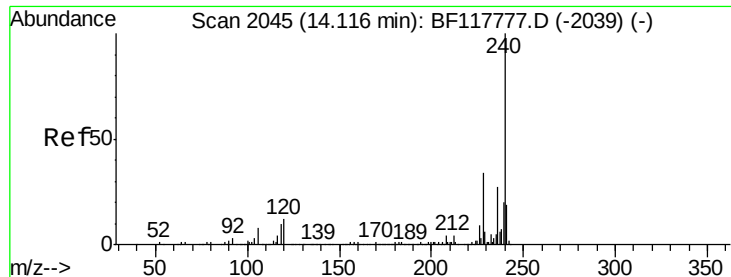
#75
 Fluoranthene
 Concen: Below Cal
 RT: 12.64 min Scan# 1795
 Delta R.T. -0.04 min
 Lab File: BF117988.D
 Acq: 26 Nov 2019 1:43

Tgt Ion:202 Resp: 8604
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.1
 203 22.8 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: 14.08 min Scan# 2039

Delta R.T. -0.04 min

Lab File: BF117988.D

Acq: 26 Nov 2019 1:43

Instrument :

BNA_F

ClientSampleId :

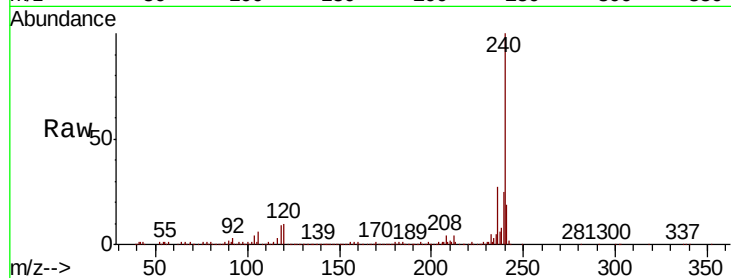
Tot Ion:240 Resp: 283683

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

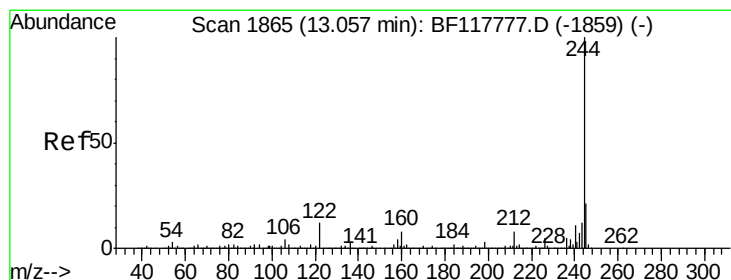
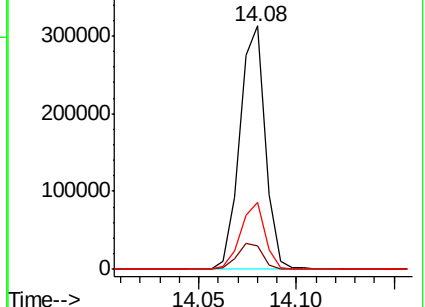
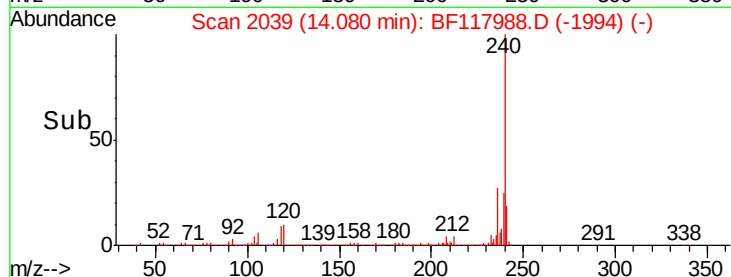
236 27.3 21.3 31.9



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



#79

Terphenyl-d14

Concen: 67.553 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.04 min

Lab File: BF117988.D

Acq: 26 Nov 2019 1:43

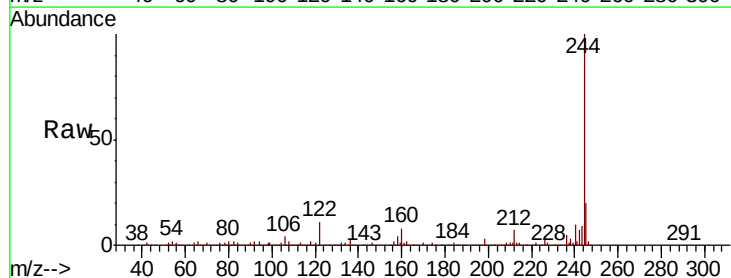
Tgt Ion:244 Resp: 1048567

Ion Ratio Lower Upper

244 100

212 7.1 6.3 9.5

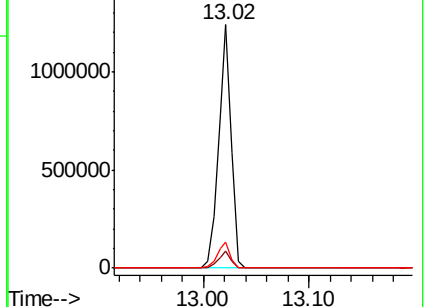
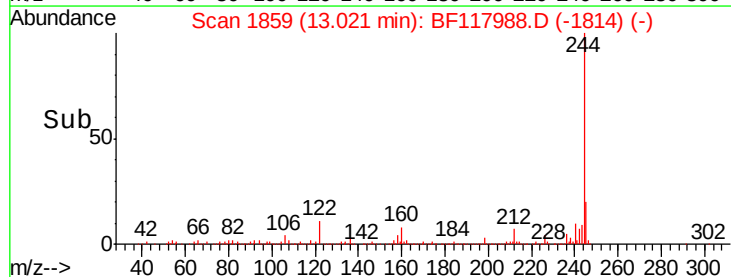
122 10.8 9.4 14.2

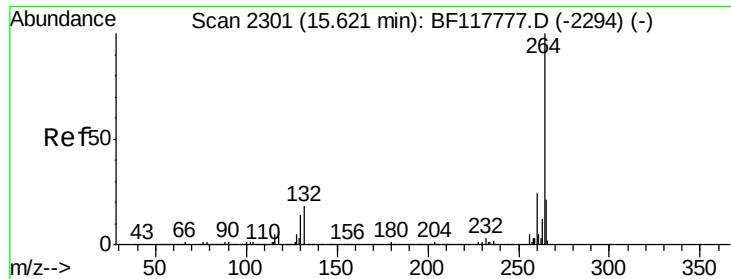


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.05 min
Lab File: BF117988.D
Acq: 26 Nov 2019 1:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	21.3	17.1	25.7

