

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
 Data File : BF117986.D
 Acq On : 26 Nov 2019 00:46
 Operator : JU
 Sample : K5970-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 26 03:54:32 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	179720	20.00	ng	-0.04
21) Naphthalene-d8	8.17	136	730061	20.00	ng	-0.04
39) Acenaphthene-d10	9.94	164	406280	20.00	ng	-0.04
64) Phenanthrene-d10	11.43	188	747277	20.00	ng	-0.04
76) Chrysene-d12	14.08	240	348472	20.00	ng	-0.04
87) Perylene-d12	15.58	264	354922	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	948275	93.40	ng	-0.02
7) Phenol-d6	6.52	99	1233601	100.73	ng	-0.03
23) Nitrobenzene-d5	7.45	82	779330	63.46	ng	-0.04
42) 2,4,6-Tribromophenol	10.73	330	418686	97.34	ng	-0.04
45) 2-Fluorobiphenyl	9.26	172	1482152	65.45	ng	-0.04
79) Terphenyl-d14	13.02	244	1507598	79.07	ng	-0.04

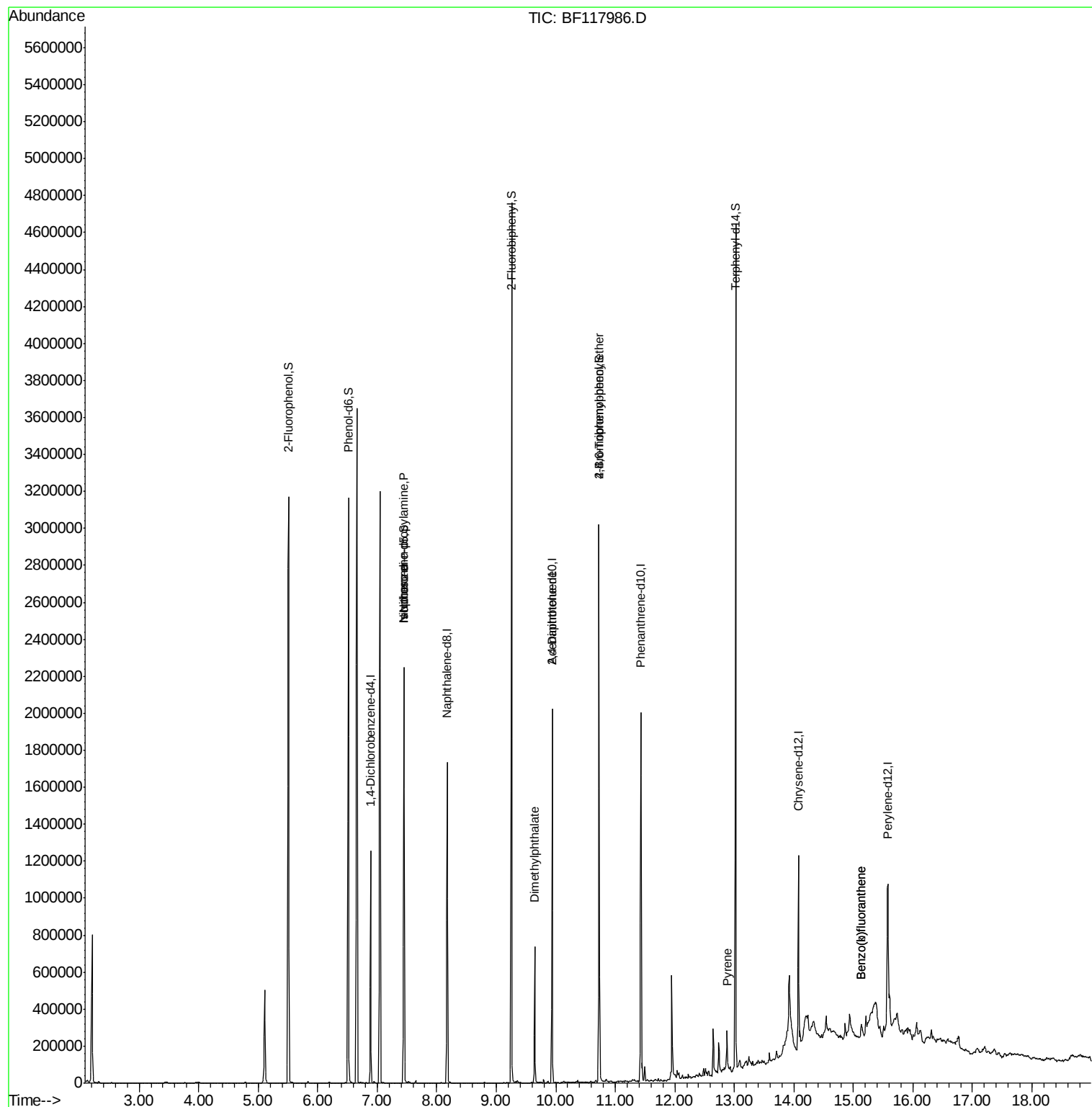
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	2096	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.45	70	106328	14.074	ng	# 76
25) Isophorone	7.45	82	775413	34.448	ng	# 62
50) Dimethylphthalate	9.65	163	299521	10.513	ng	# 99
57) 2,4-Dinitrotoluene	9.94	165	52669	6.650	ng	# 25
67) 4-Bromophenyl-phenylether	10.73	248	27099	3.361	ng	# 1
75) Fluoranthene	12.65	202	83900	Below Cal		98
78) Pyrene	12.87	202	83339	2.959	ng	# 96
88) Benzo(b)fluoranthene	15.13	252	46280	2.007	ng	# 93
89) Benzo(k)fluoranthene	15.13	252	46280	2.130	ng	# 92

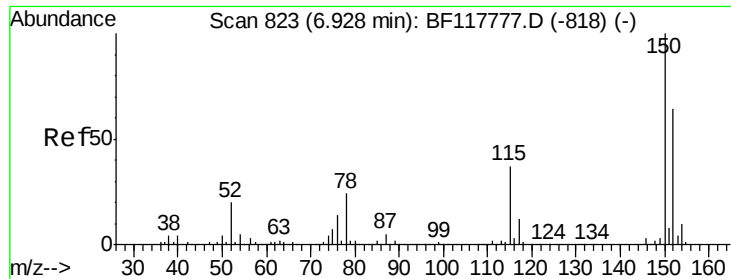
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117986.D
Acq On : 26 Nov 2019 00:46
Operator : JU
Sample : K5970-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 26 03:54:32 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



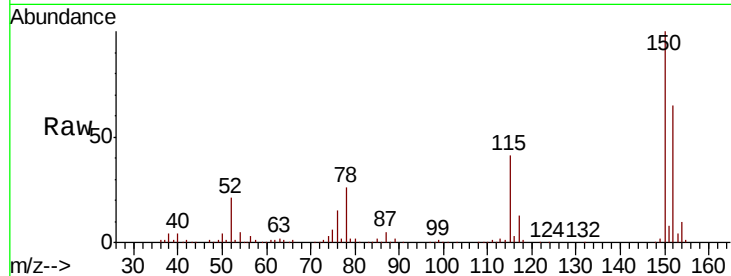


#1

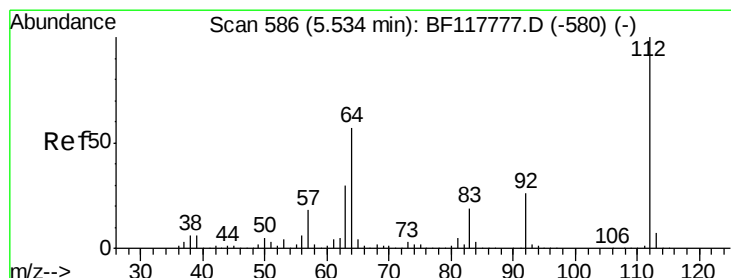
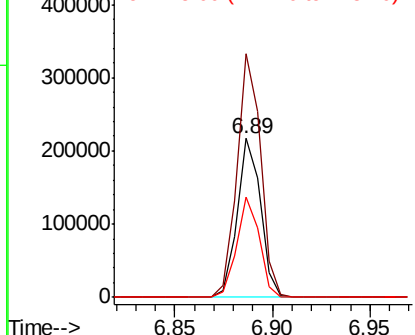
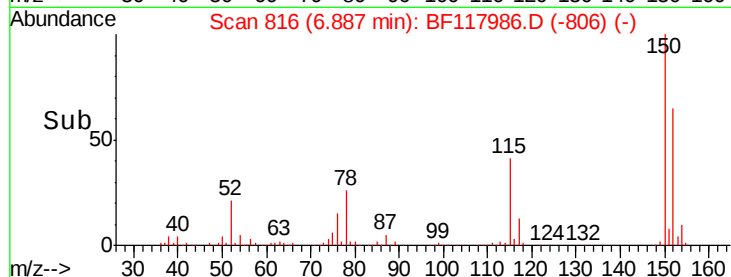
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.04 min
Lab File: BF117986.D
Acq: 26 Nov 2019 00:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 179720
Ion Ratio Lower Upper
152 100
150 153.3 125.3 187.9
115 62.9 47.0 70.4



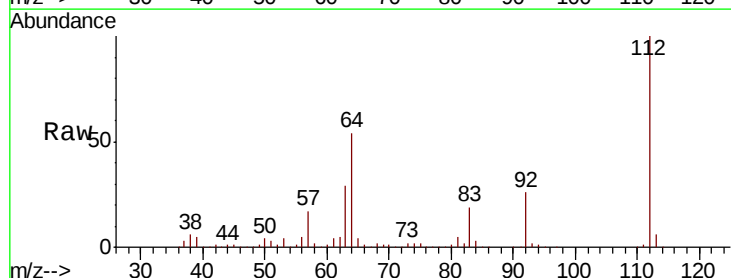
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



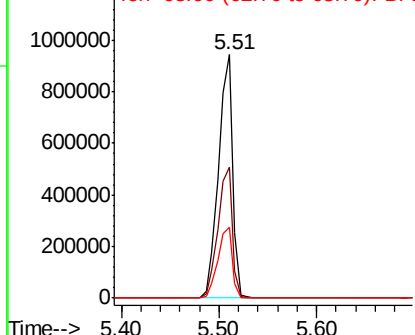
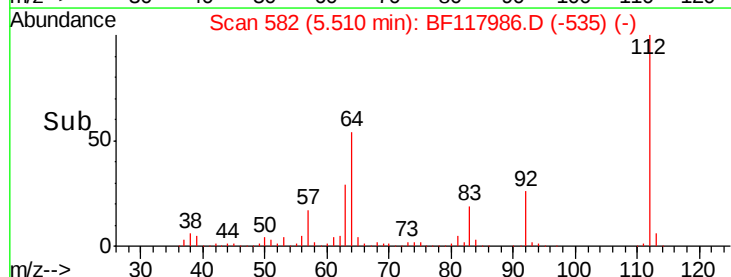
#5

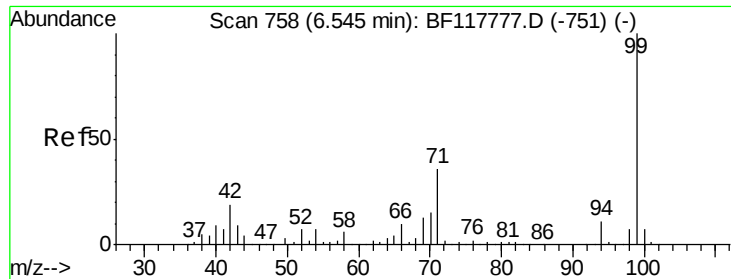
2-Fluorophenol
Concen: 93.398 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.02 min
Lab File: BF117986.D
Acq: 26 Nov 2019 00:46

Tgt Ion:112 Resp: 948275
Ion Ratio Lower Upper
112 100
64 54.0 45.6 68.4
63 29.1 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: 100.733 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF117986.D

Acq: 26 Nov 2019 00:46

Instrument :

BNA_F

ClientSampleId :

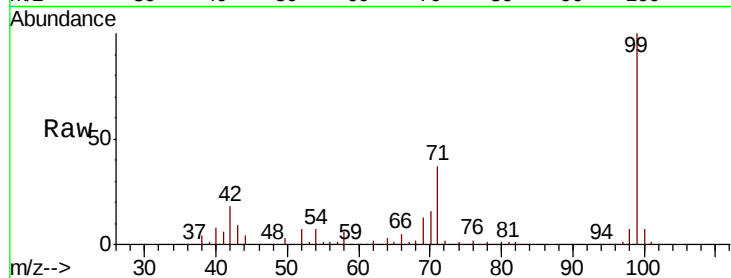
Tot Ion: 99 Resp: 1233601

Ion Ratio Lower Upper

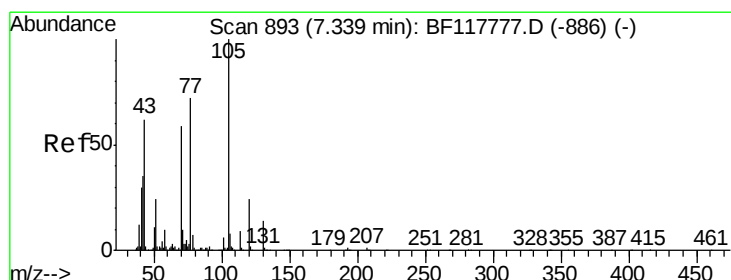
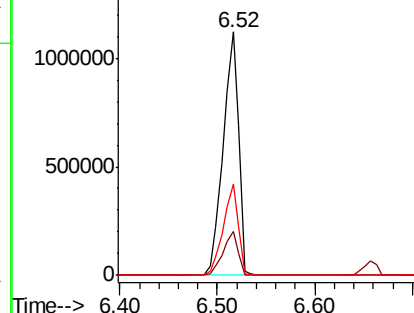
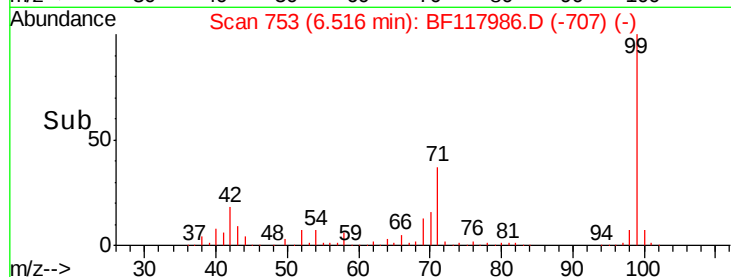
99 100

42 18.3 14.9 22.3

71 37.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.074 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.11 min

Lab File: BF117986.D

Acq: 26 Nov 2019 00:46

Tgt Ion: 70 Resp: 106328

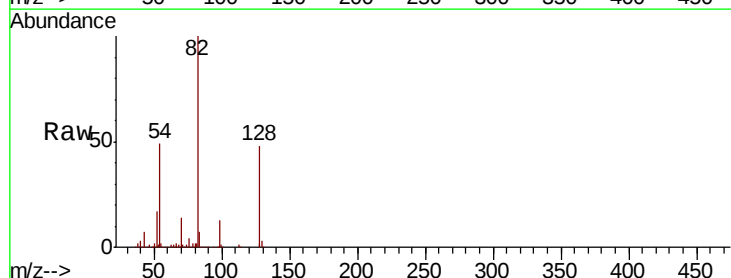
Ion Ratio Lower Upper

70 100

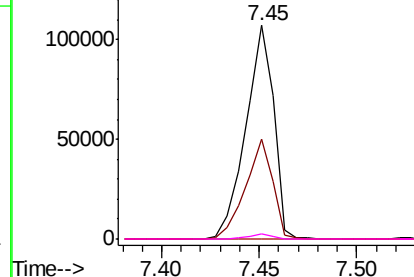
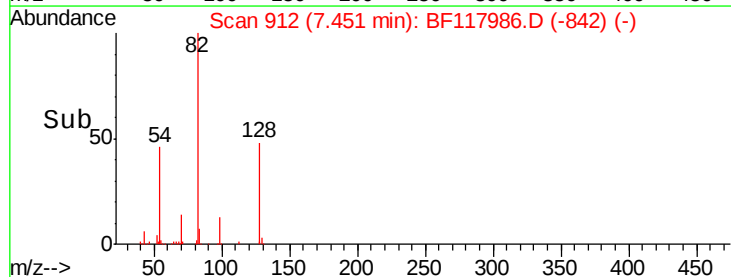
42 47.0 47.4 71.2#

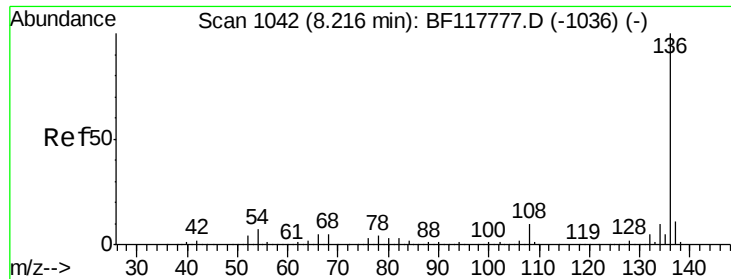
101 0.0 8.4 12.6#

130 2.4 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): BF1
Ion 130.00 (129.70 to 130.70): BF1

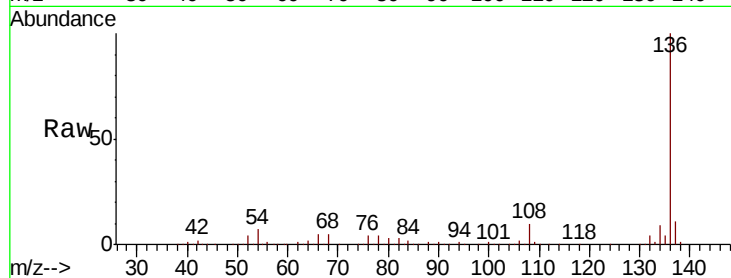




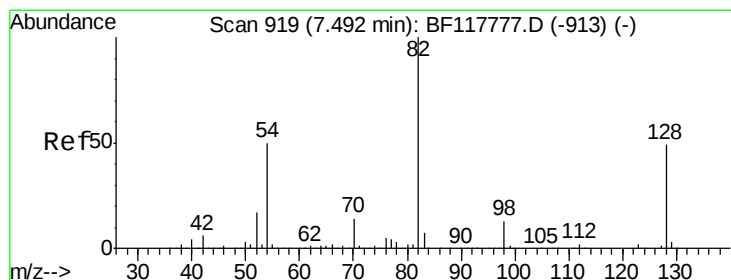
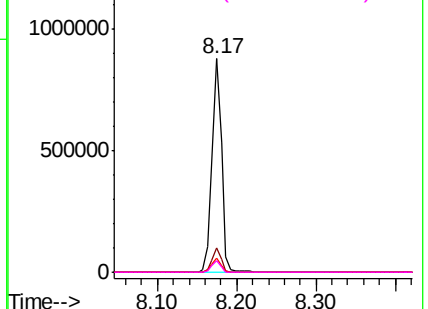
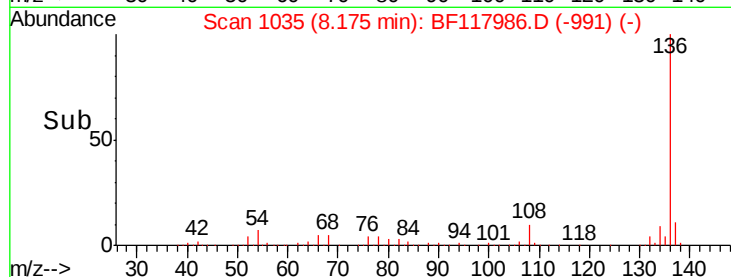
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.04 min
Lab File: BF117986.D
Acq: 26 Nov 2019 00:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	730061
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.0 13.4
54	6.9	5.4 8.2
68	5.2	4.3 6.5

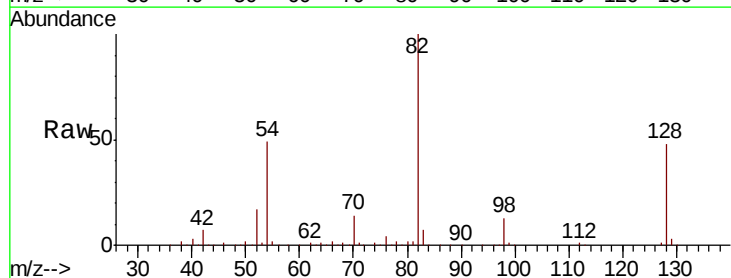


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

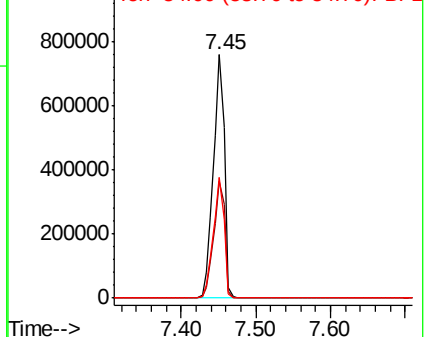
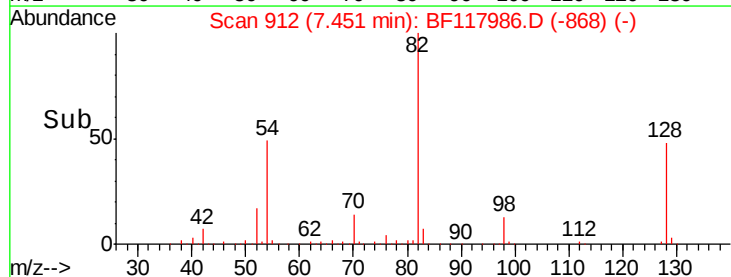


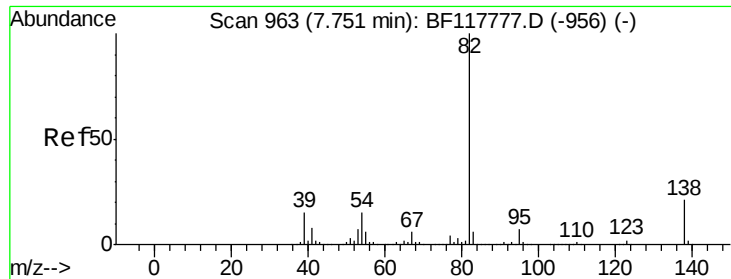
#23
Nitrobenzene-d5
Concen: 63.458 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.04 min
Lab File: BF117986.D
Acq: 26 Nov 2019 00:46

Tgt Ion: 82	Resp:	779330
Ion Ratio	Lower	Upper
82	100	
128	47.8	38.9 58.3
54	49.4	39.8 59.6



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





#25

Isophorone

Concen: 34.448 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.30 min

Lab File: BF117986.D

Acq: 26 Nov 2019 00:46

Instrument :

BNA_F

ClientSampled :

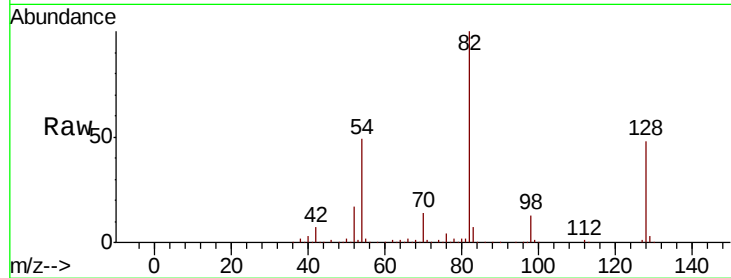
Tot Ion: 82 Resp: 775413

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

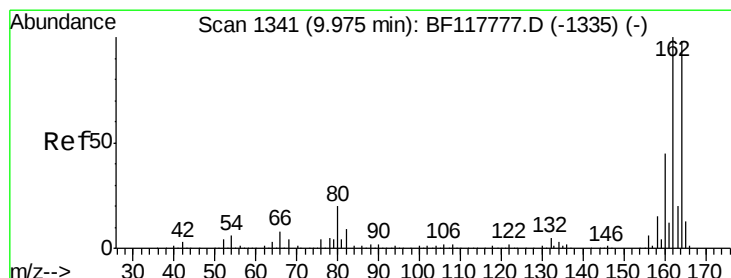
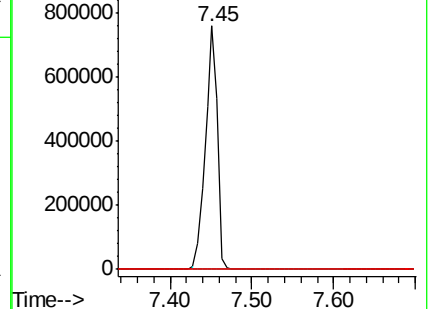
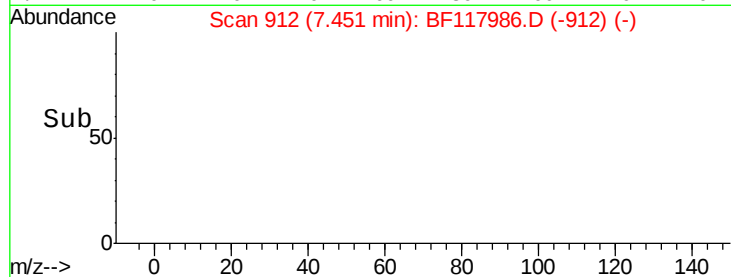
138 0.0 16.5 24.7#



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: 9.94 min Scan# 1335

Delta R.T. -0.04 min

Lab File: BF117986.D

Acq: 26 Nov 2019 00:46

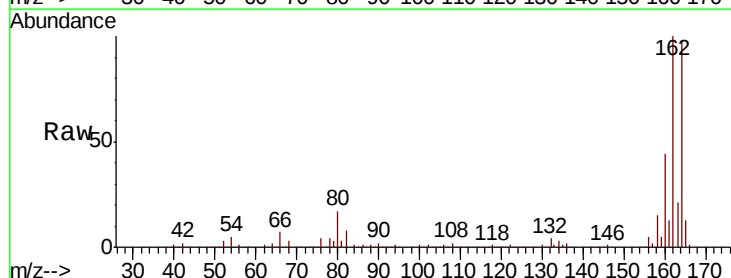
Tgt Ion: 164 Resp: 406280

Ion Ratio Lower Upper

164 100

162 102.5 81.3 121.9

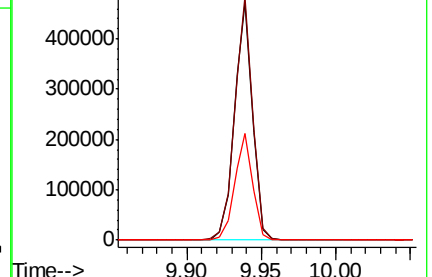
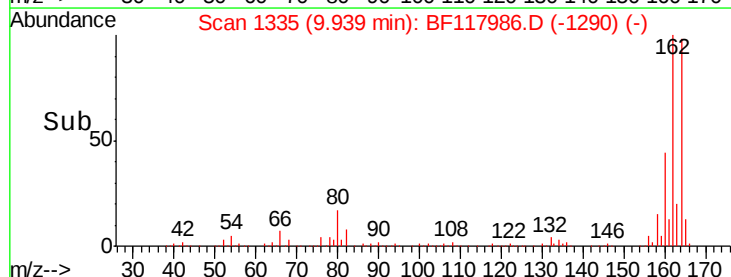
160 44.9 36.6 55.0

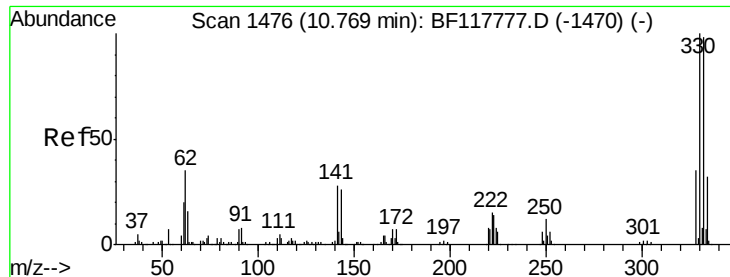


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

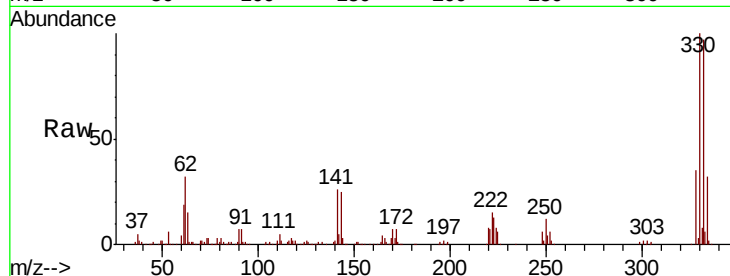




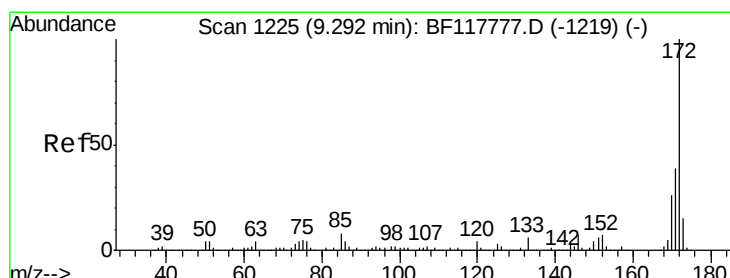
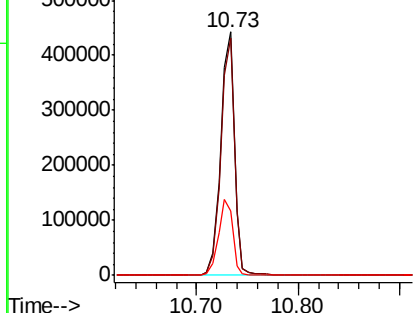
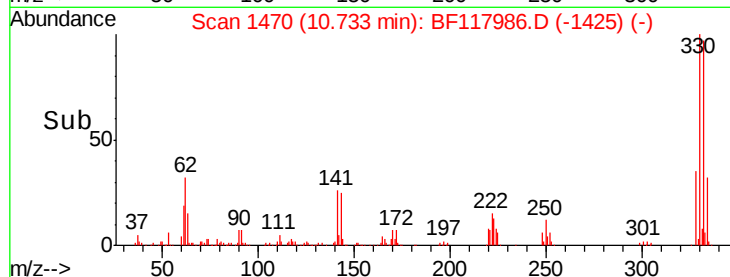
#42
 2,4,6-Tribromophenol
 Concen: 97.341 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.04 min
 Lab File: BF117986.D
 Acq: 26 Nov 2019 00:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	330	Resp	418686
Ion Ratio	100	Lower	Upper
330	100		
332	96.8	76.7	115.1
141	32.5	27.7	41.5

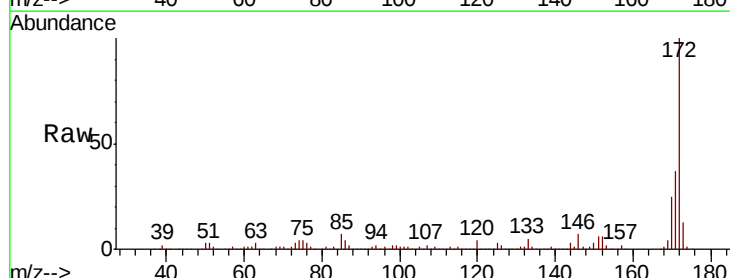


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

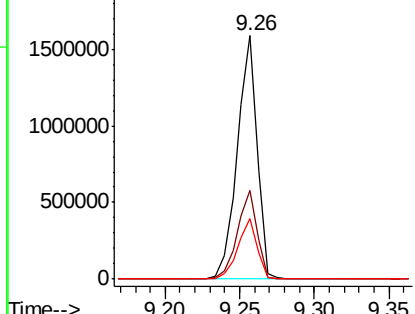
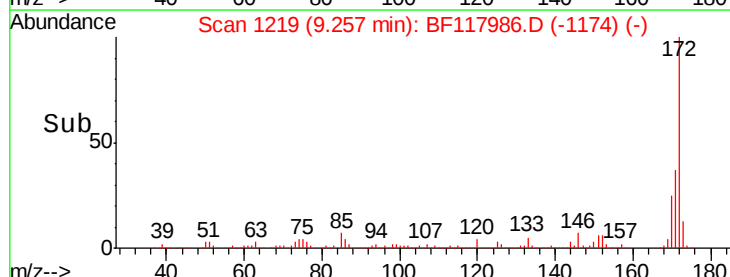


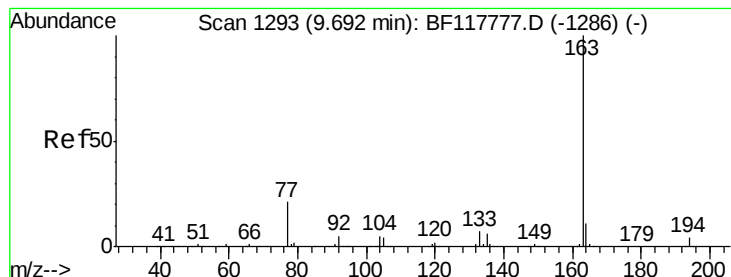
#45
 2-Fluorobiphenyl
 Concen: 65.448 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.04 min
 Lab File: BF117986.D
 Acq: 26 Nov 2019 00:46

Tgt Ion	172	Resp	1482152
Ion Ratio	100	Lower	Upper
172	100		
171	36.5	30.9	46.3
170	24.8	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: 10.513 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.05 min

Lab File: BF117986.D

Acq: 26 Nov 2019 00:46

Instrument :

BNA_F

ClientSampleId :

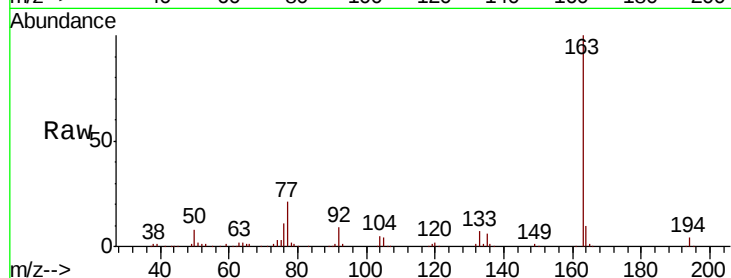
Tot Ion:163 Resp: 299521

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

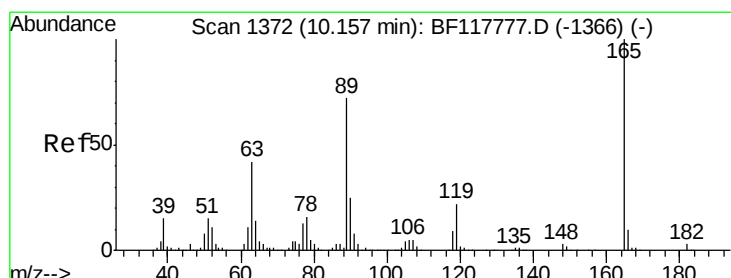
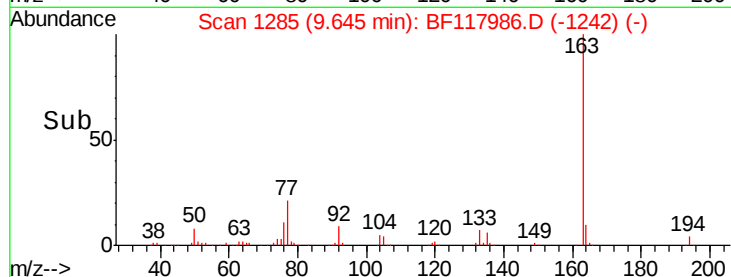
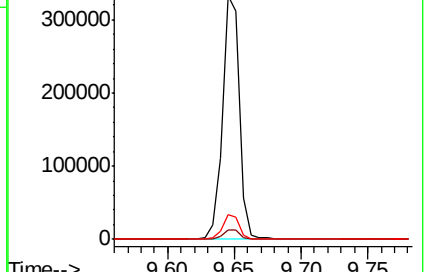
164 10.4 8.7 13.1



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: 6.650 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.22 min

Lab File: BF117986.D

Acq: 26 Nov 2019 00:46

Tgt Ion:165 Resp: 52669

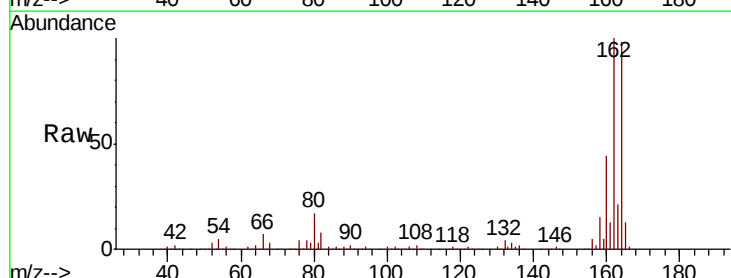
Ion Ratio Lower Upper

165 100

63 1.4 33.7 50.5#

89 1.4 57.3 85.9#

182 0.0 2.3 3.5#

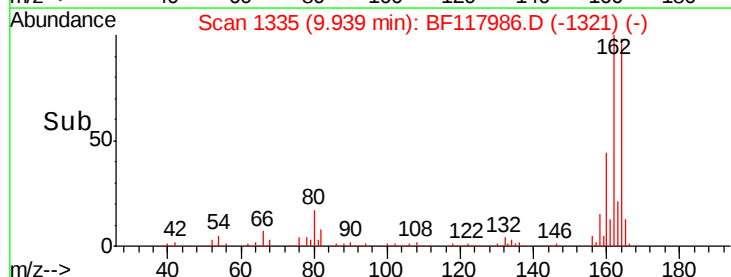
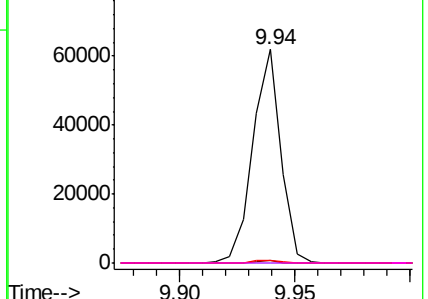


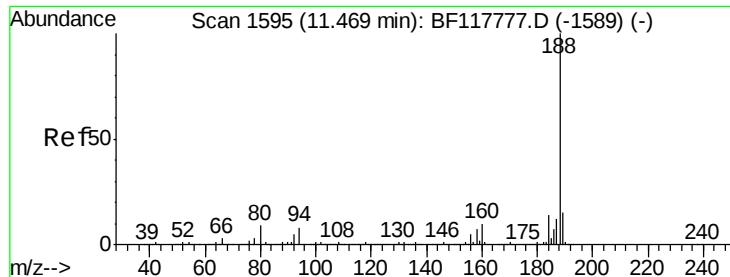
Abundance Ion 165.00 (164.70 to 165.70): E

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

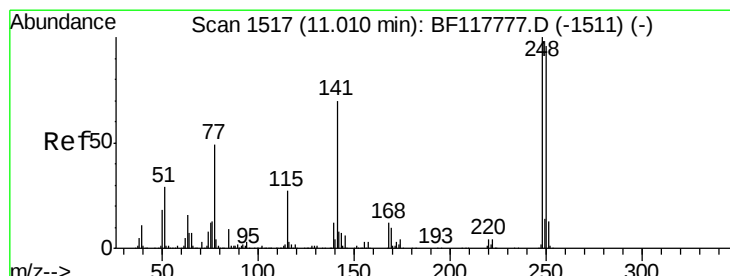
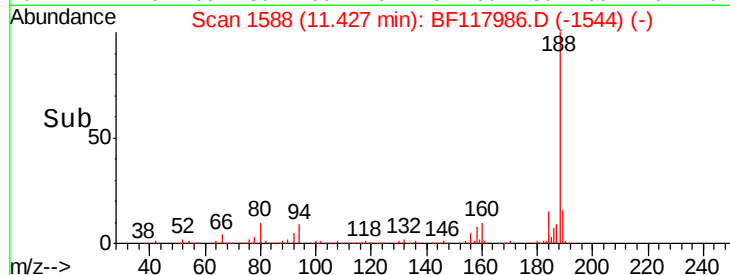
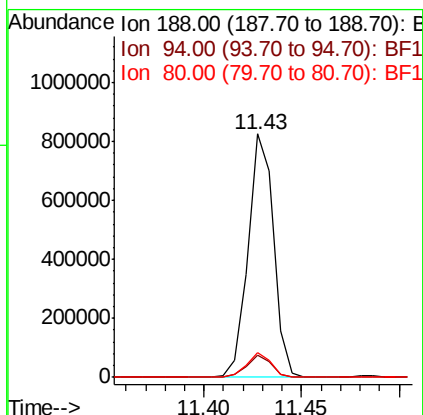
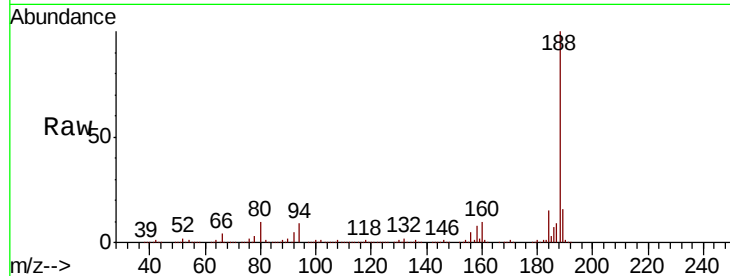




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.04 min
Lab File: BF117986.D
Acq: 26 Nov 2019 00:46

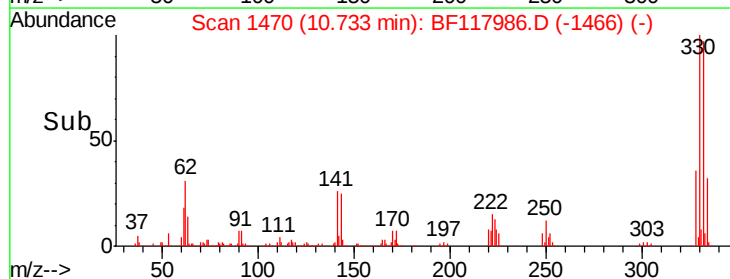
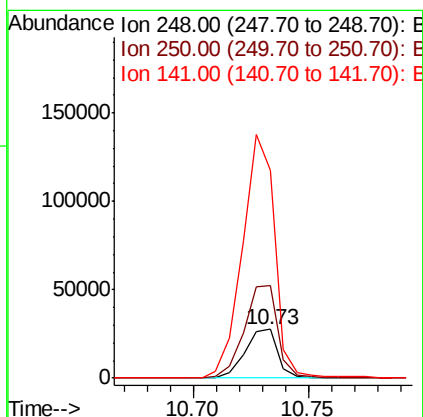
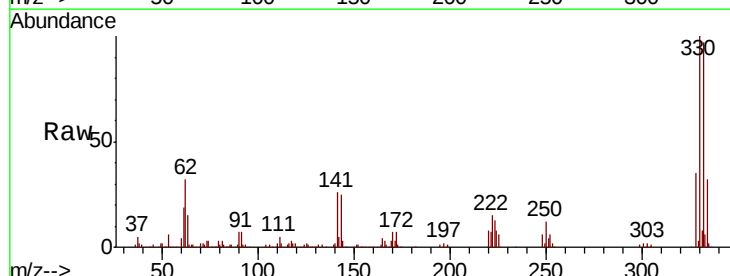
Instrument :
BNA_F
ClientSampleId :

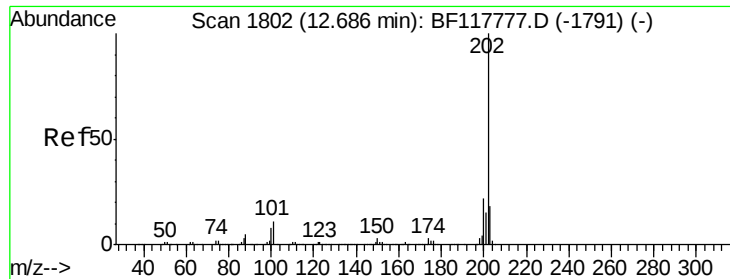
Tot Ion:188 Resp: 747277
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 10.0 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 3.361 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.28 min
Lab File: BF117986.D
Acq: 26 Nov 2019 00:46

Tgt Ion:248 Resp: 27099
Ion Ratio Lower Upper
248 100
250 190.4 76.6 115.0#
141 426.6 55.9 83.9#





#75

Fluoranthene

Concen: Below Cal

RT: 12.65 min Scan# 1795

Delta R.T. -0.04 min

Lab File: BF117986.D

Acq: 26 Nov 2019 00:46

Instrument :

BNA_F

ClientSampleId :

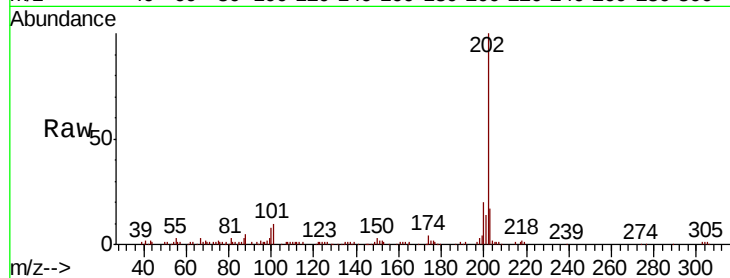
Tot Ion:202 Resp: 83900

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.1

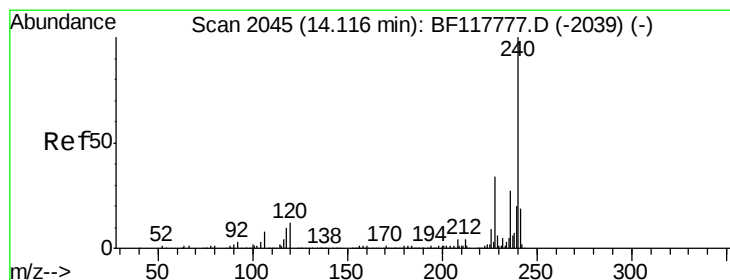
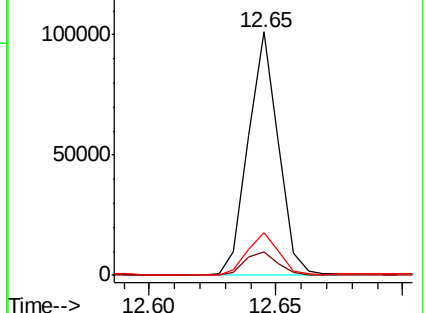
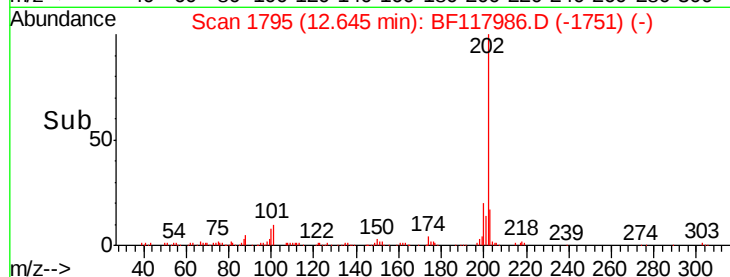
203 17.5 0.0 38.2



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: BF117986.D

Acq: 26 Nov 2019 00:46

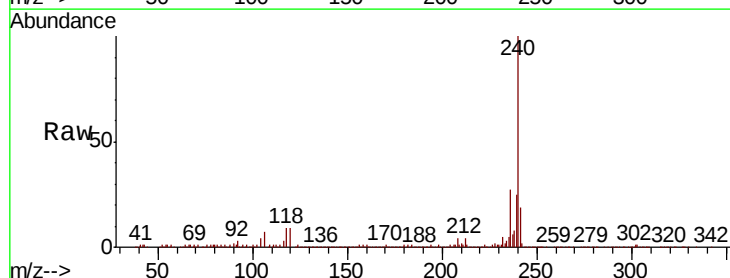
Tgt Ion:240 Resp: 348472

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

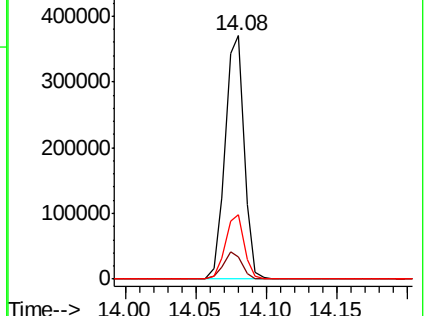
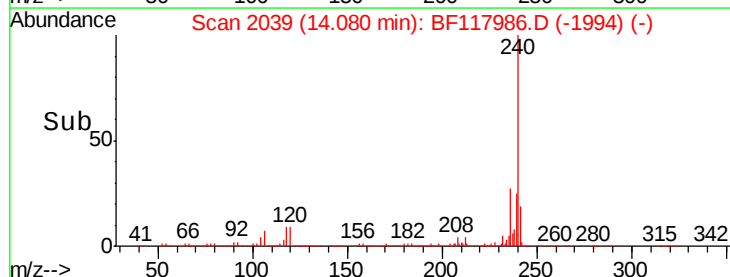
236 26.6 21.3 31.9

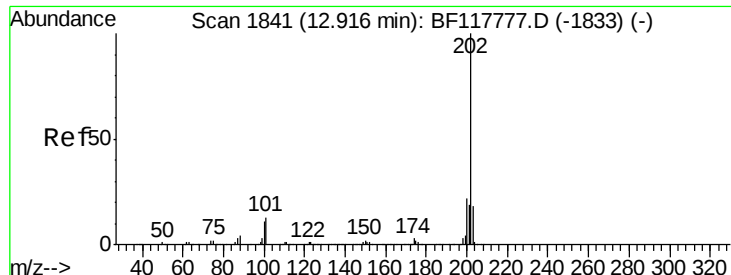


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

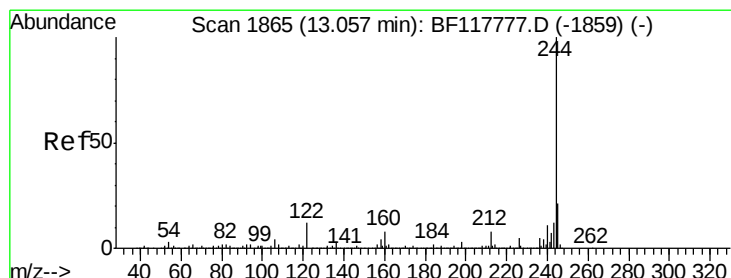
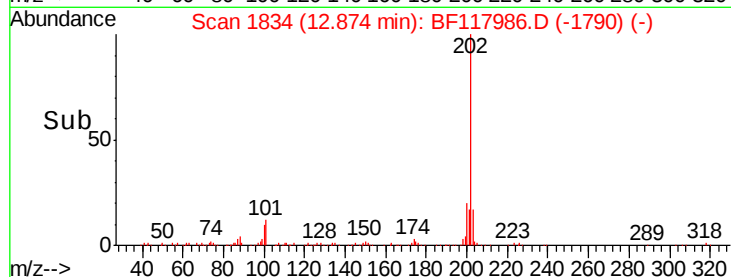
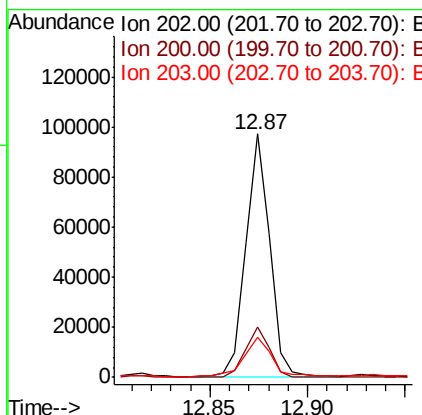
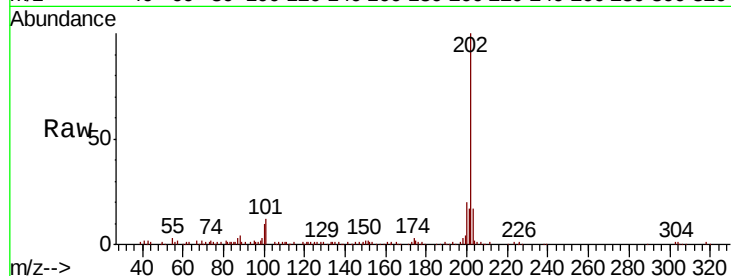




#78
Pvrene
Concen: 2.959 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.04 min
Lab File: BF117986.D
Acq: 26 Nov 2019 00:46

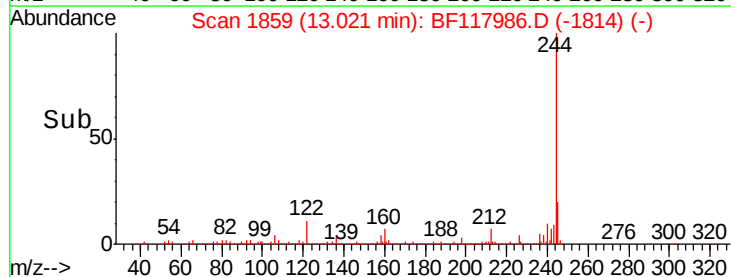
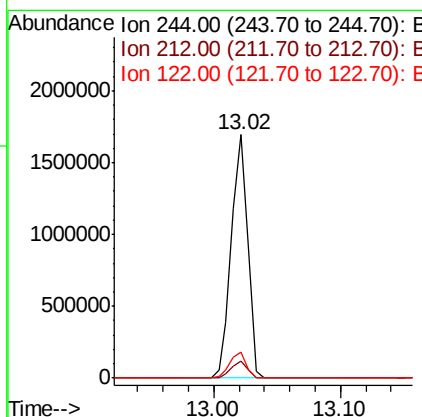
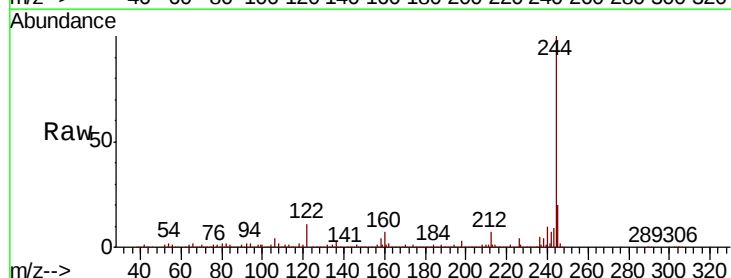
Instrument :
BNA_F
ClientSampleId :

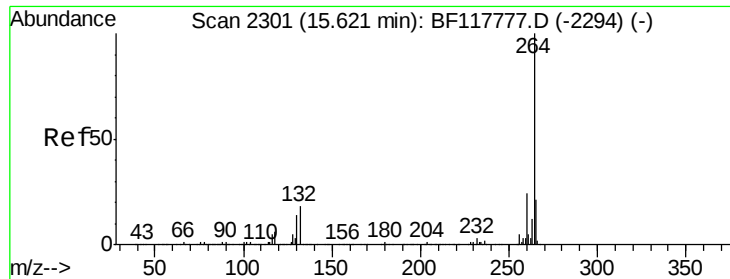
Tot Ion:202 Resp: 83339
Ion Ratio Lower Upper
202 100
200 20.4 17.8 26.8
203 16.6 14.6 22.0



#79
Terphenyl-d14
Concen: 79.068 ng
RT: 13.02 min Scan# 1859
Delta R.T. -0.04 min
Lab File: BF117986.D
Acq: 26 Nov 2019 00:46

Tgt Ion:244 Resp: 1507598
Ion Ratio Lower Upper
244 100
212 7.0 6.3 9.5
122 10.9 9.4 14.2

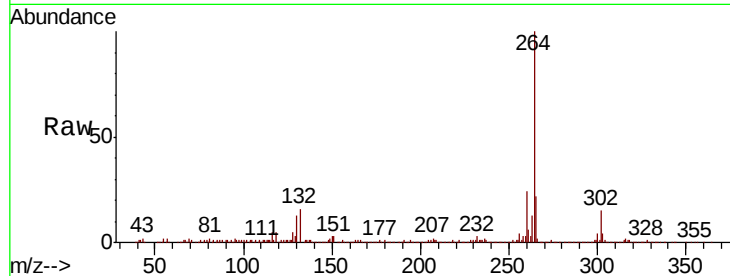




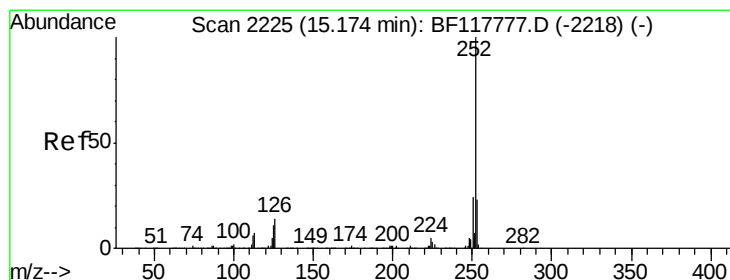
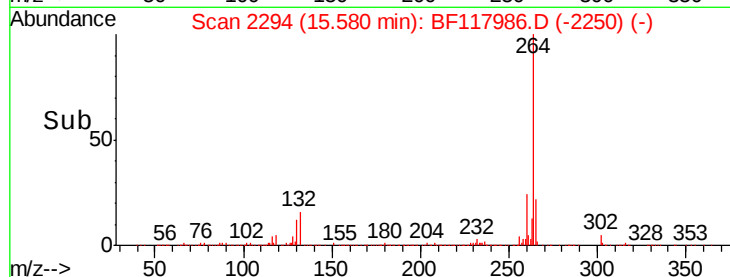
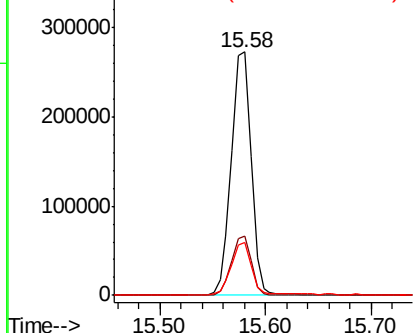
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. -0.04 min
Lab File: BF117986.D
Acq: 26 Nov 2019 00:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 354922
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 22.0 17.1 25.7

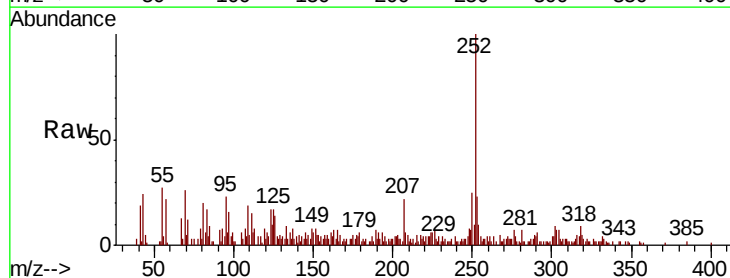


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

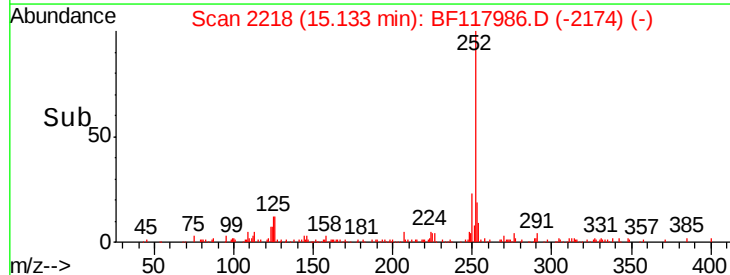
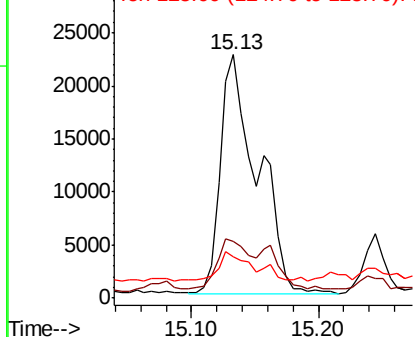


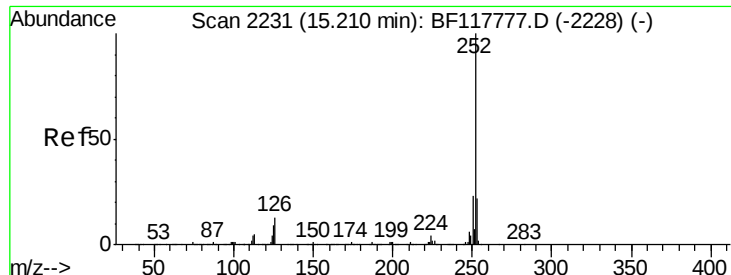
#88
Benzo(b)fluoranthene
Concen: 2.007 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF117986.D
Acq: 26 Nov 2019 00:46

Tgt Ion:252 Resp: 46280
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 17.0 8.6 13.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

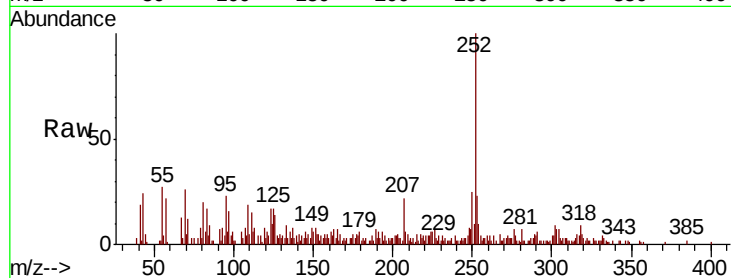




#89
 Benzo(k)fluoranthene
 Concen: 2.130 ng
 RT: 15.13 min Scan# 2218
 Delta R.T. -0.08 min
 Lab File: BF117986.D
 Acq: 26 Nov 2019 00:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	17.0	7.9	11.9



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

