

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118987.D
 Acq On : 21 Feb 2020 4:48
 Operator : CG/JU
 Sample : L1547-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 05:47:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	166582	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	586162	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	273761	20.00	ng	0.00
64) Phenanthrene-d10	11.28	188	443274	20.00	ng	0.00
76) Chrysene-d12	13.92	240	380724	20.00	ng	0.00
87) Perylene-d12	15.35	264	316430	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	881015	88.38	ng	0.00
7) Phenol-d6	6.40	99	1057648	87.24	ng	0.00
23) Nitrobenzene-d5	7.32	82	666159	60.01	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	275938	77.05	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1199306	64.54	ng	0.00
79) Terphenyl-d14	12.86	244	1105443	49.99	ng	0.00

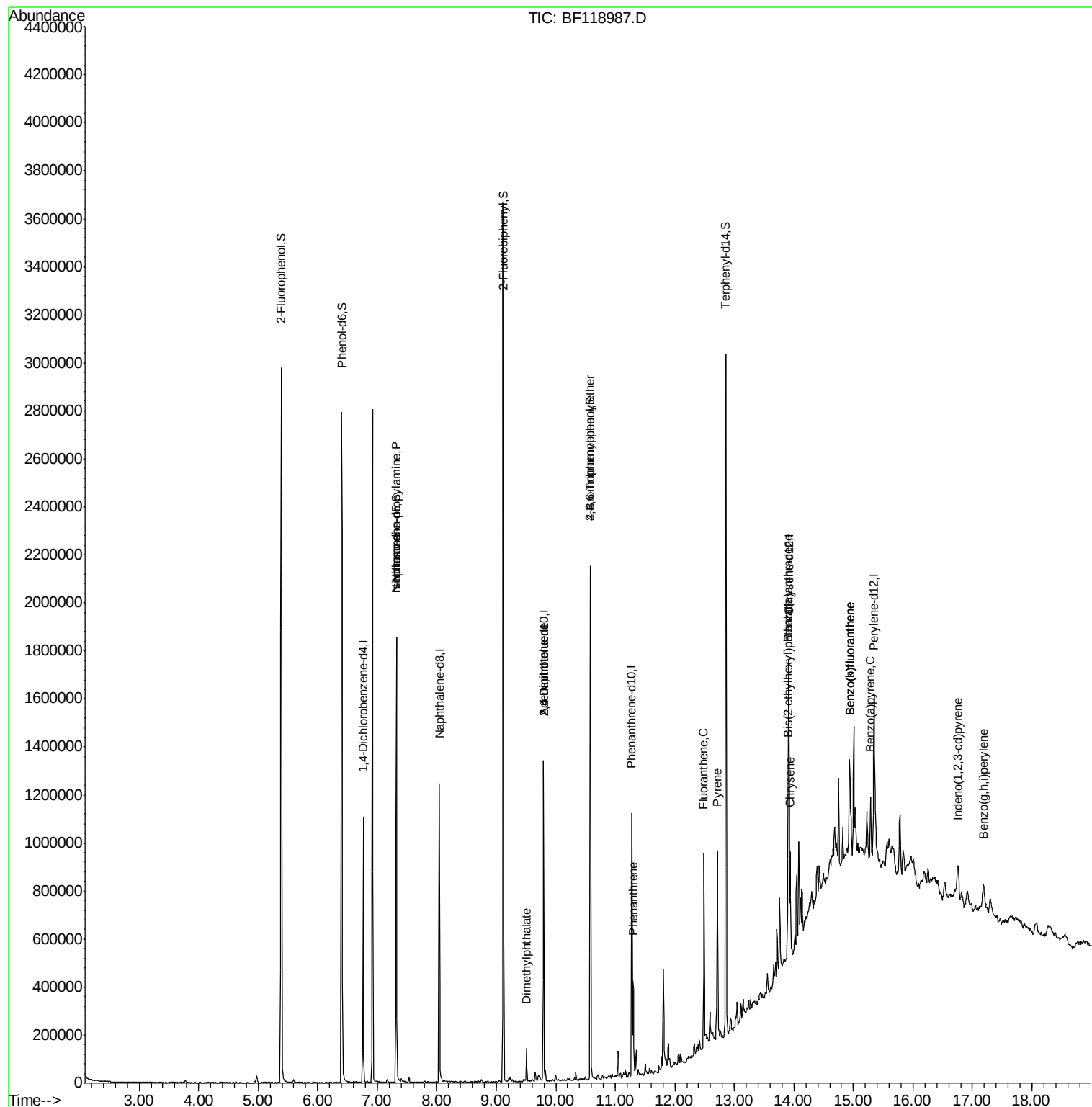
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.32	70	92129	13.042	ng	# 75
25) Isophorone	7.32	82	666152	34.551	ng	# 63
50) Dimethylphthalate	9.51	163	46340	2.214	ng	100
51) 2,6-Dinitrotoluene	9.79	165	35765	7.690	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	35765	5.933	ng	# 29
67) 4-Bromophenyl-phenylether	10.58	248	18049	3.115	ng	# 1
71) Phenanthrene	11.30	178	150546	6.228	ng	99
75) Fluoranthene	12.49	202	340791	13.281	ng	98
78) Pyrene	12.72	202	308885	10.104	ng	99
81) Benzo(a)anthracene	13.90	228	187649	7.234	ng	98
83) Chrysene	13.94	228	163136	6.311	ng	98
84) Bis(2-ethylhexyl)phthalate	13.90	149	34274	2.108	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.76	276	77513	3.097	ng	98
88) Benzo(b)fluoranthene	14.94	252	279585	13.405	ng	# 92
89) Benzo(k)fluoranthene	14.94	252	279585	14.465	ng	# 92
90) Benzo(a)pyrene	15.29	252	124138	6.595	ng	# 91
92) Benzo(a,h,i)perylene	17.19	276	77877	4.759	ng	96

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

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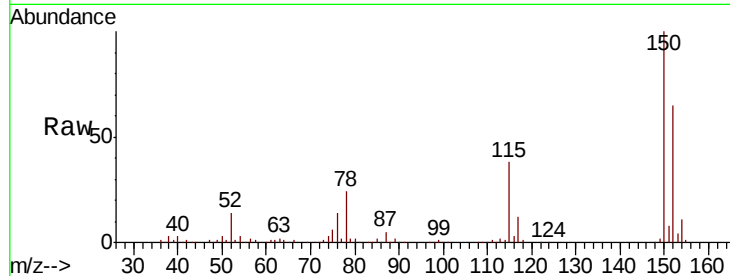


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF118987.D
Acq: 21 Feb 2020 4:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.3	186.5
115	59.2	44.6	67.0

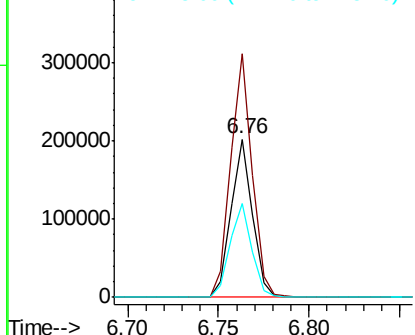
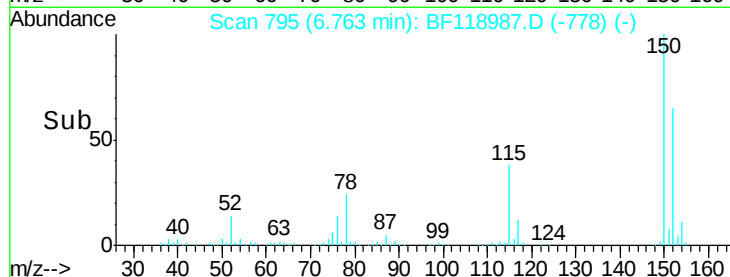


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

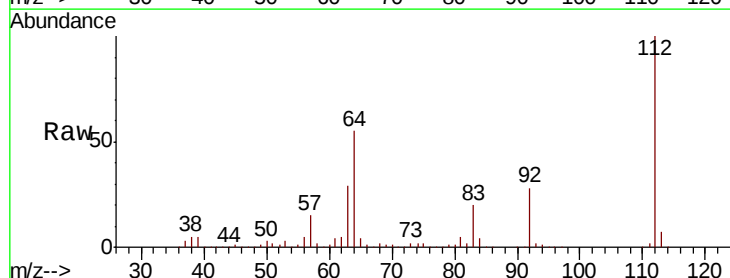
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.385 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF118987.D
Acq: 21 Feb 2020 4:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	40.4	60.6
63	28.8	21.3	31.9

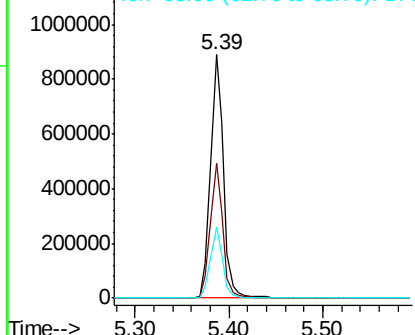
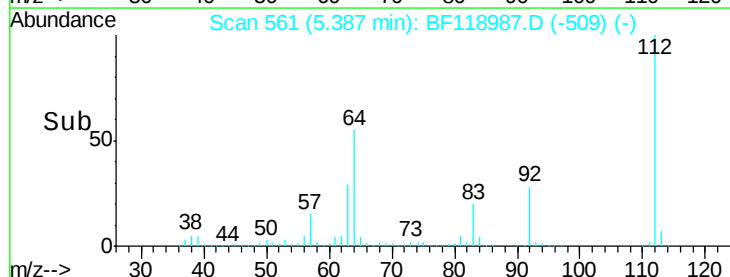


Abundance

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: 87.244 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

Instrument :

BNA_F

ClientSampled :

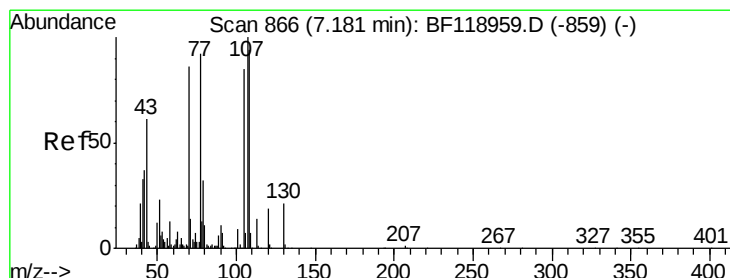
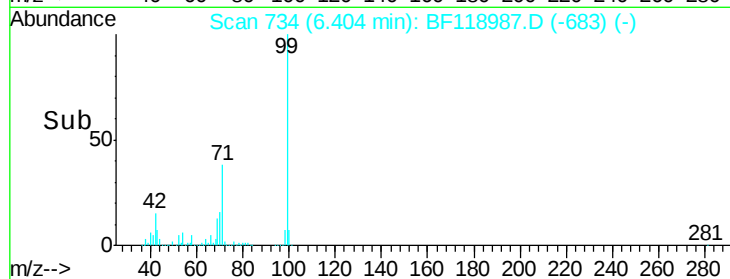
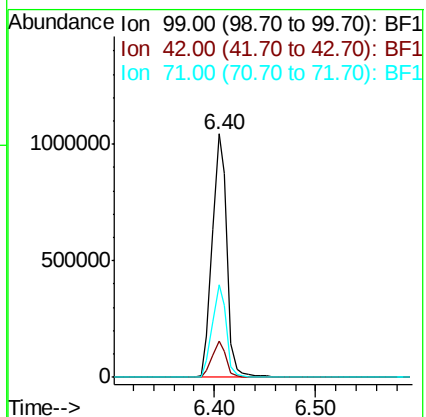
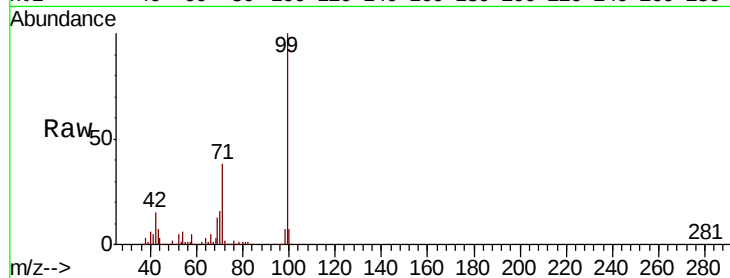
Tot Ion: 99 Resp: 1057648

Ion Ratio Lower Upper

99 100

42 14.7 11.4 17.0

71 38.1 29.8 44.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.042 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.14 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

Tgt Ion: 70 Resp: 92129

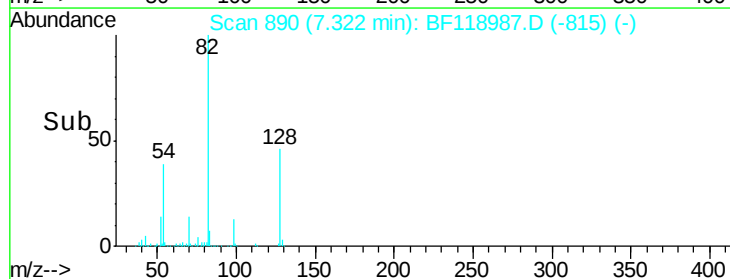
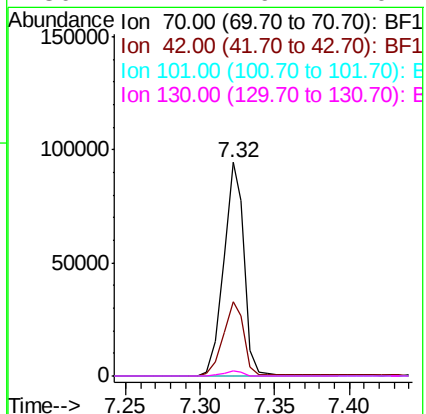
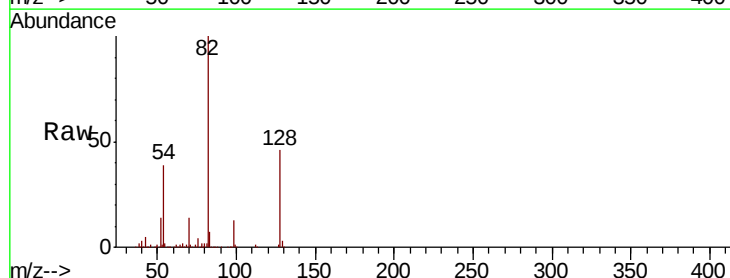
Ion Ratio Lower Upper

70 100

42 35.0 34.6 51.8

101 0.0 8.1 12.1#

130 2.2 19.4 29.2#

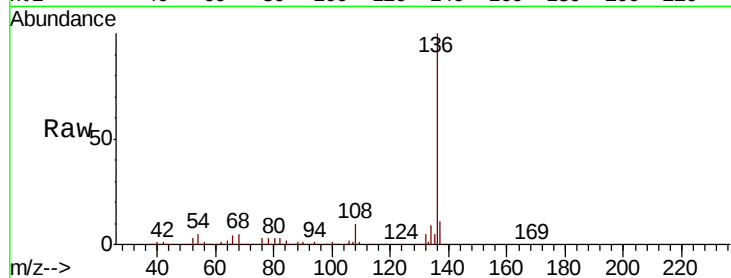




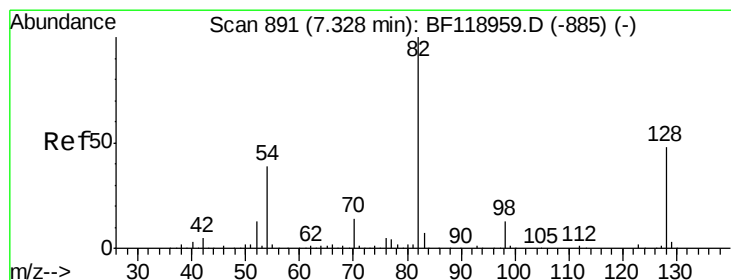
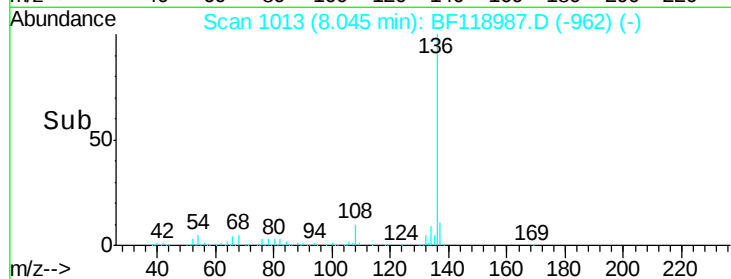
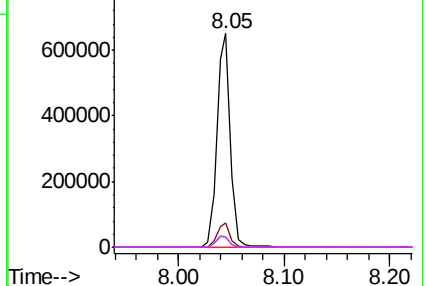
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BF118987.D
Acq: 21 Feb 2020 4:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	586162
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	4.6	3.8 5.6
68	5.1	4.2 6.2

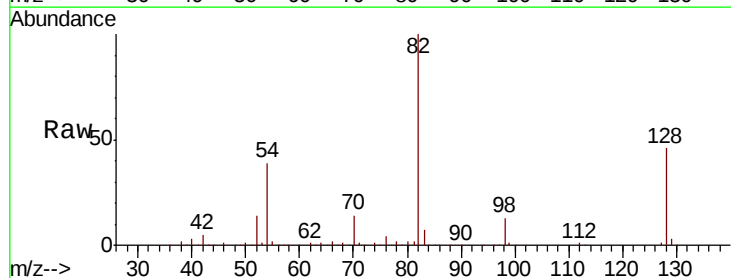


Abundance Ion 136.00 (135.70 to 136.70): E
1000000 Ion 137.00 (136.70 to 137.70): E
800000 Ion 54.00 (53.70 to 54.70): BF1
600000 Ion 68.00 (67.70 to 68.70): BF1
400000
200000
0

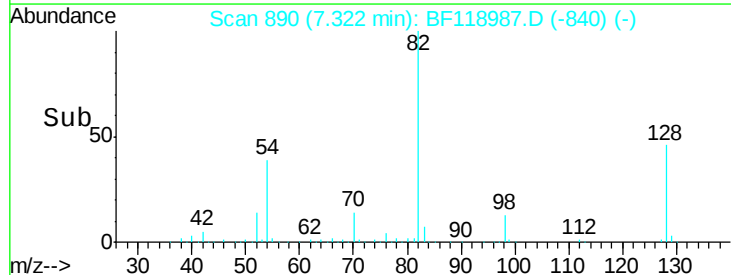
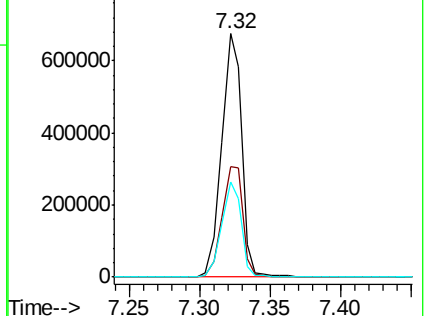


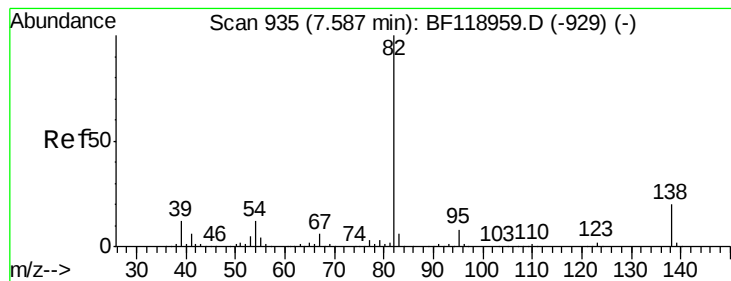
#23
Nitrobenzene-d5
Concen: 60.006 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF118987.D
Acq: 21 Feb 2020 4:48

Tgt Ion: 82	Resp:	666159
Ion Ratio	Lower	Upper
82	100	
128	45.6	38.2 57.2
54	39.3	31.3 46.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000 Ion 128.00 (127.70 to 128.70): E
600000 Ion 54.00 (53.70 to 54.70): BF1
400000
200000
0





#25

Isophorone

Concen: 34.551 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

Instrument :

BNA_F

ClientSampleId :

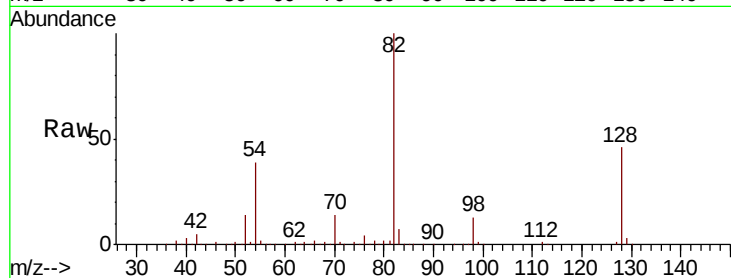
Tot Ion: 82 Resp: 666152

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

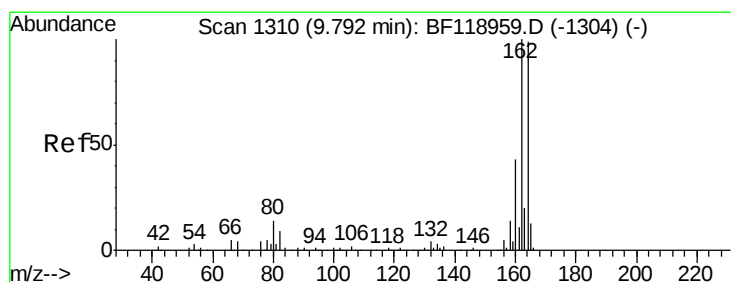
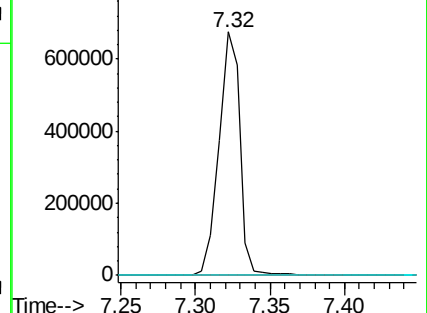
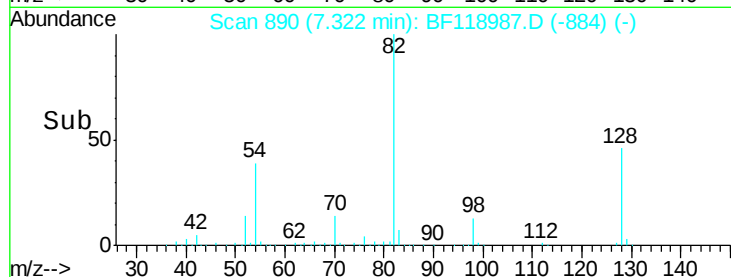
138 0.0 15.8 23.6#



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: 9.80 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

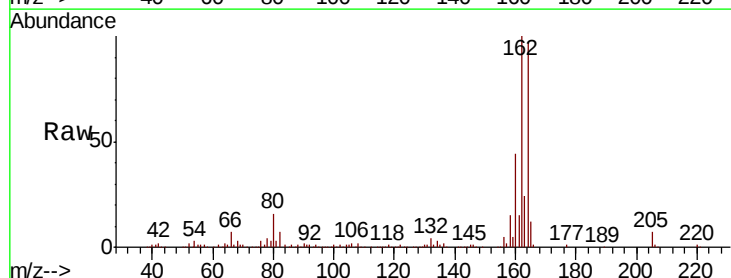
Tgt Ion: 164 Resp: 273761

Ion Ratio Lower Upper

164 100

162 102.7 81.2 121.8

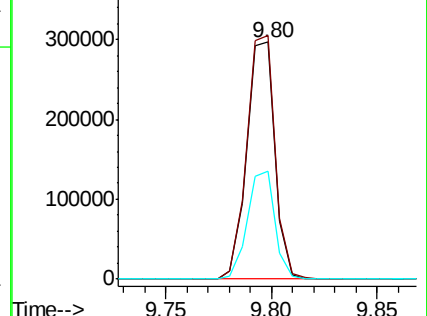
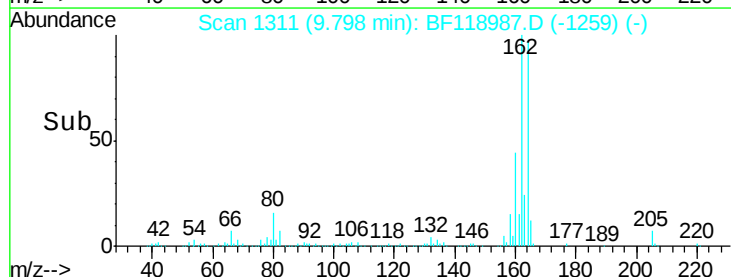
160 45.4 35.2 52.8

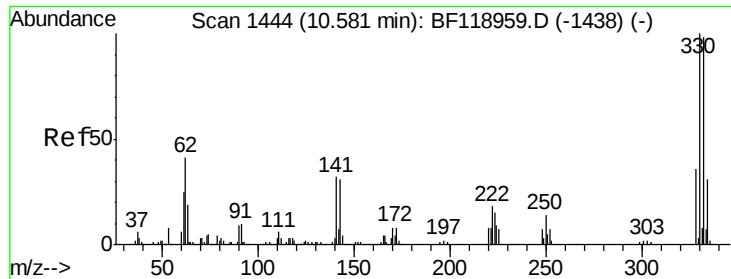


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

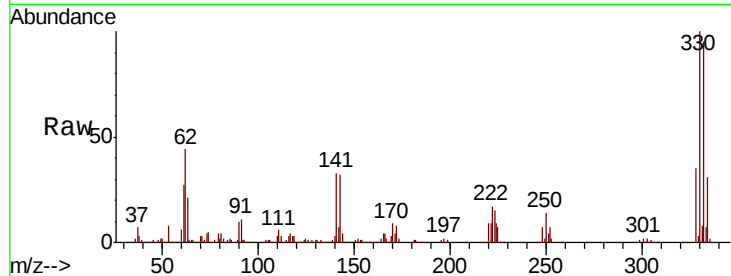




#42
 2,4,6-Tribromophenol
 Concen: 77.051 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BF118987.D
 Acq: 21 Feb 2020 4:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	28.7	23.0	34.6

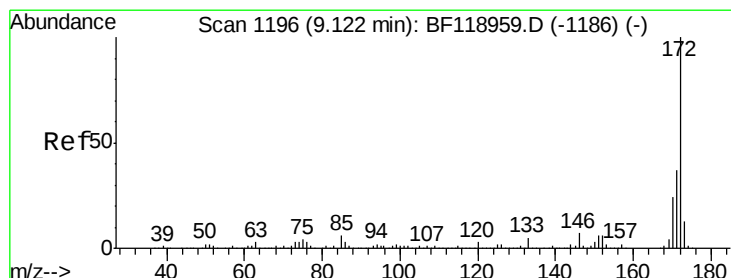
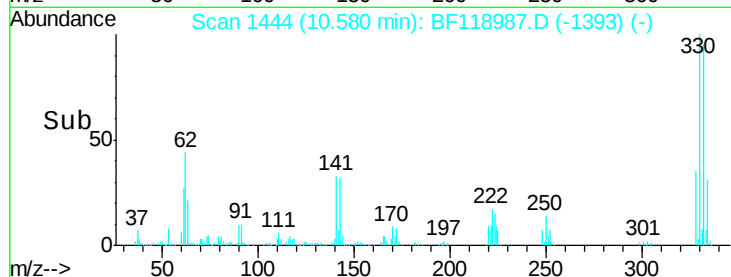
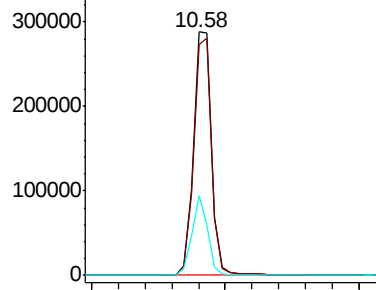


Abundance

Ion 329.80 (329.50 to 330.50): E

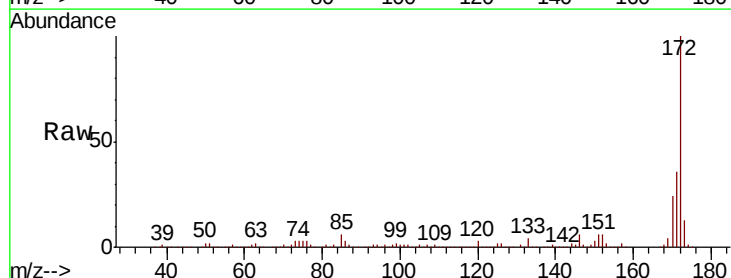
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 64.537 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF118987.D
 Acq: 21 Feb 2020 4:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.2
170	23.6	19.6	29.4

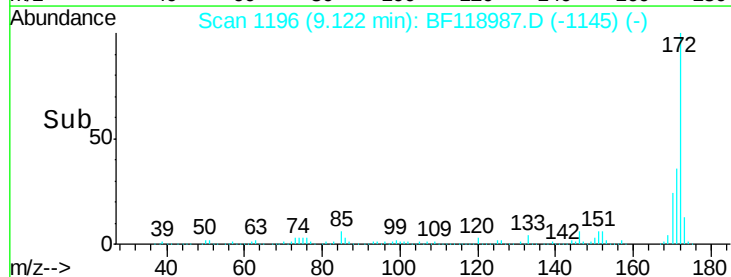
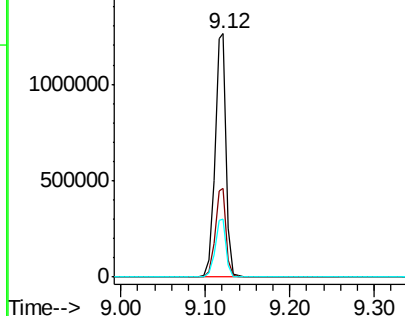


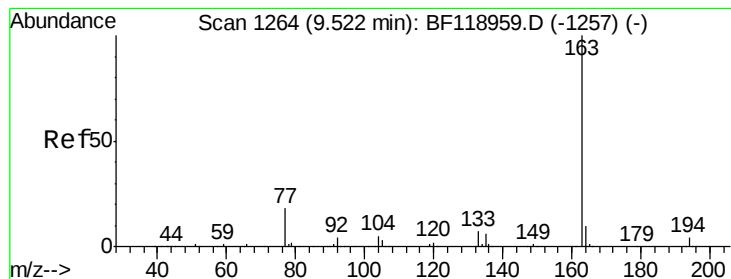
Abundance

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: 2.214 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

Instrument :

BNA_F

ClientSampleId :

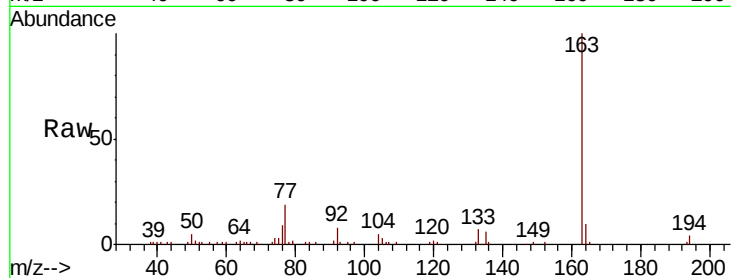
Tot Ion:163 Resp: 46340

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.4 8.2 12.2

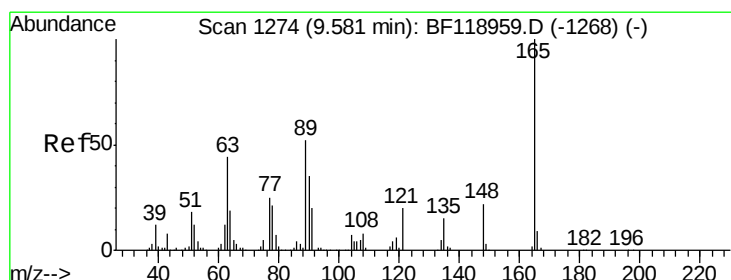
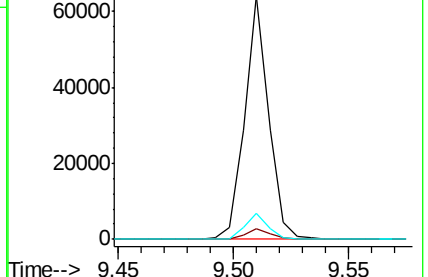
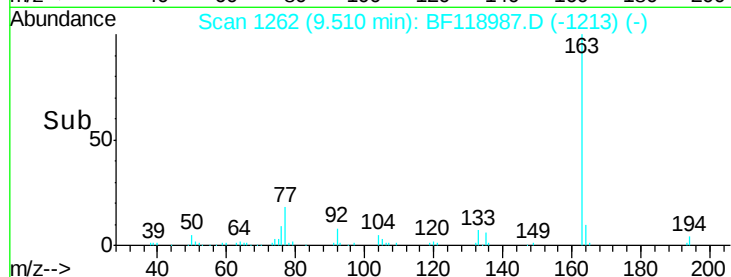


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

9.51



#51

2,6-Dinitrotoluene

Concen: 7.690 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

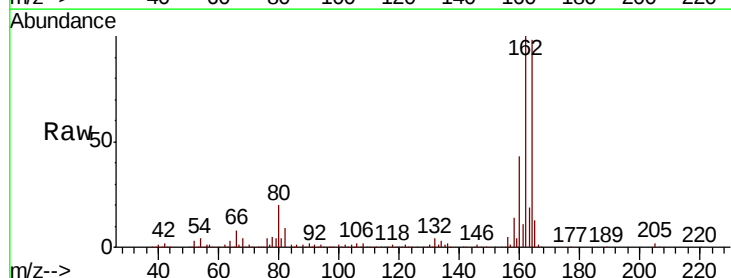
Tgt Ion:165 Resp: 35765

Ion Ratio Lower Upper

165 100

63 1.7 37.9 56.9#

89 1.3 41.4 62.0#

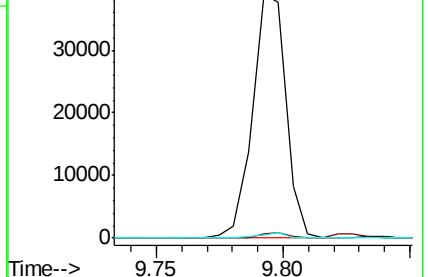
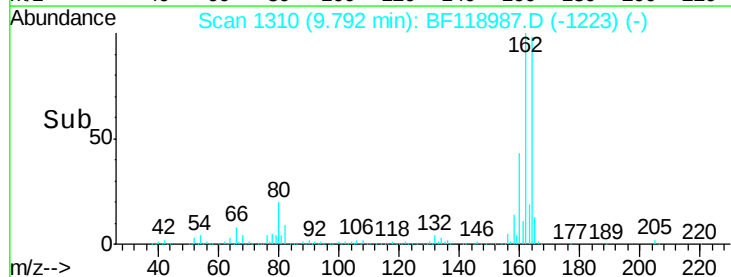


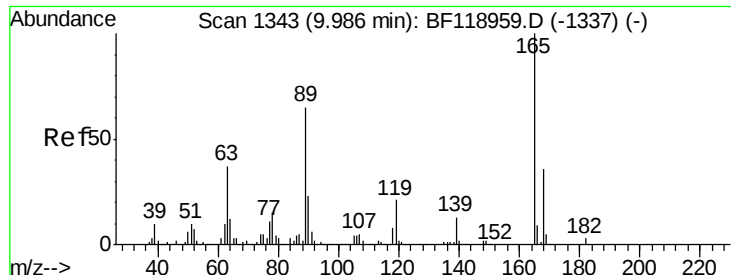
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

9.79

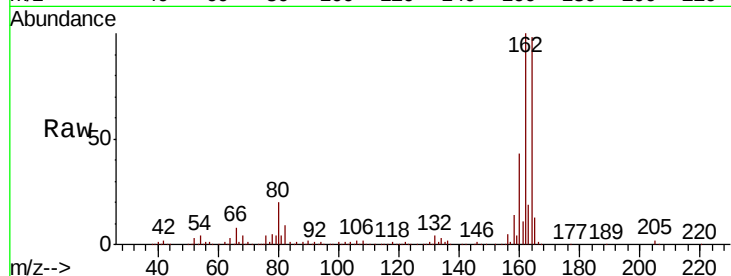




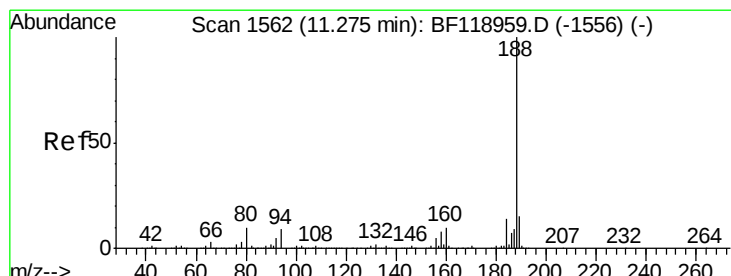
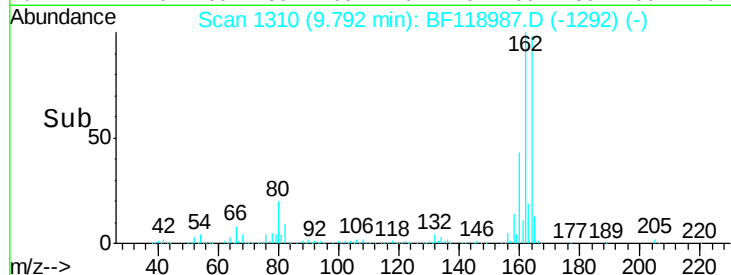
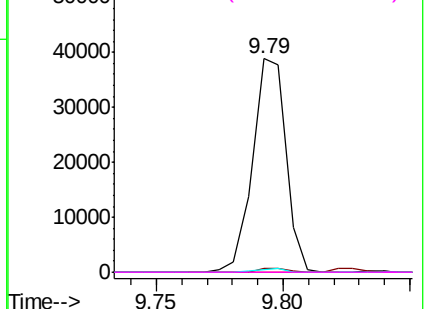
#57
 2,4-Dinitrotoluene
 Concen: 5.933 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF118987.D
 Acq: 21 Feb 2020 4:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	35765
Ion Ratio	Lower	Upper
165	100	
63	1.7	29.8 44.8#
89	1.3	51.9 77.9#
182	0.0	2.3 3.5#

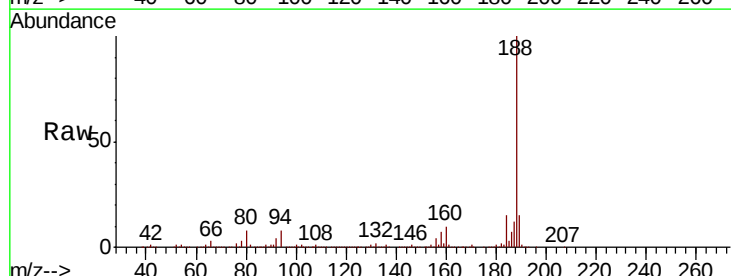


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

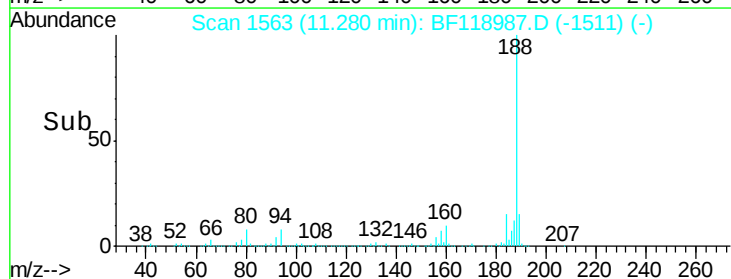
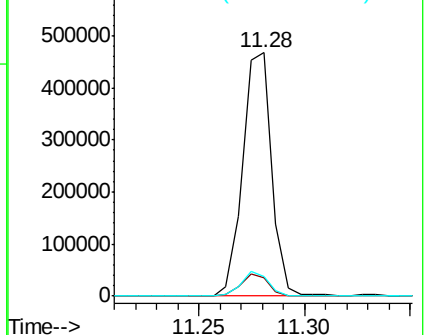


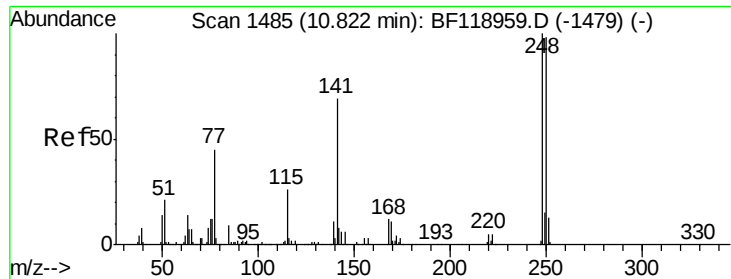
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: BF118987.D
 Acq: 21 Feb 2020 4:48

Tgt Ion:188	Resp:	443274
Ion Ratio	Lower	Upper
188	100	
94	7.5	7.0 10.6
80	7.9	7.9 11.9



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

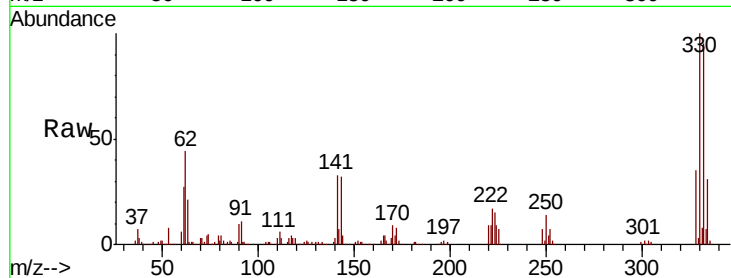




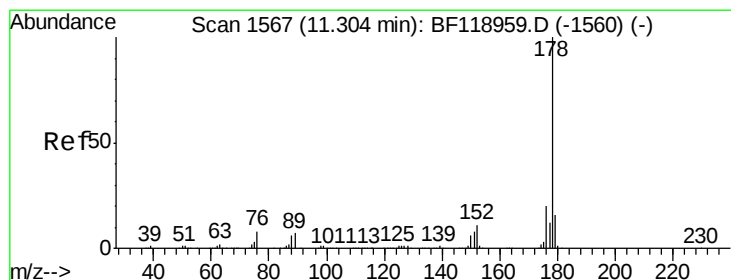
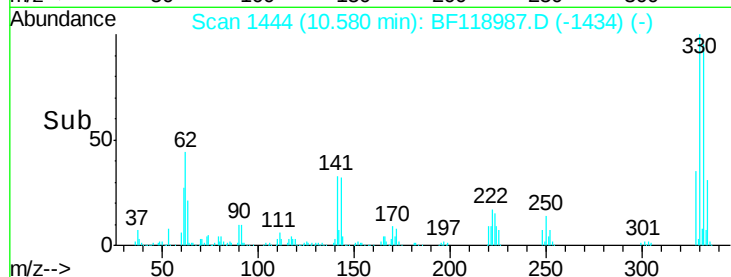
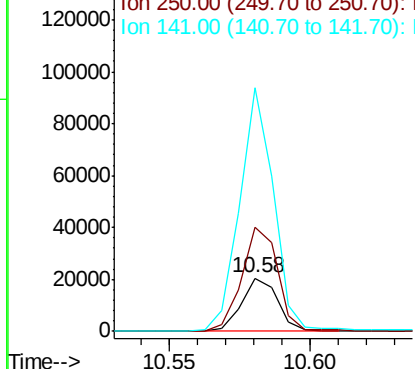
#67
4-Bromophenyl-phenylether
Concen: 3.115 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.24 min
Lab File: BF118987.D
Acq: 21 Feb 2020 4:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18049
Ion Ratio Lower Upper
248 100
250 195.2 78.8 118.2#
141 456.2 55.3 82.9#

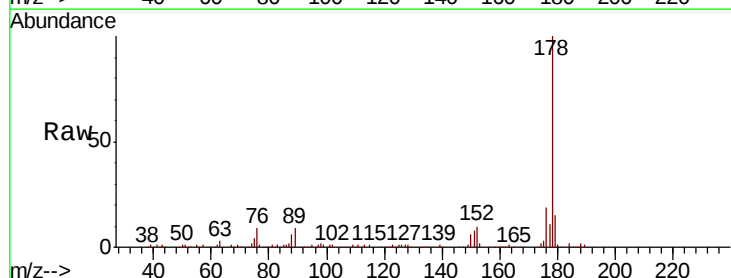


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

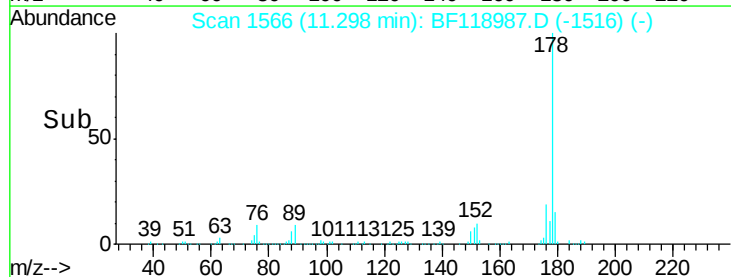
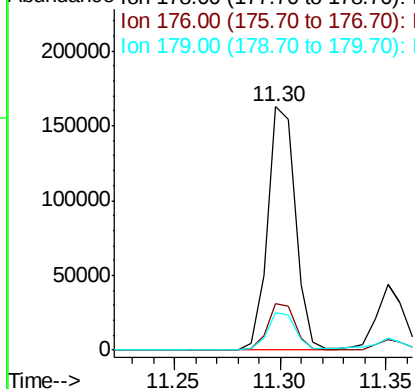


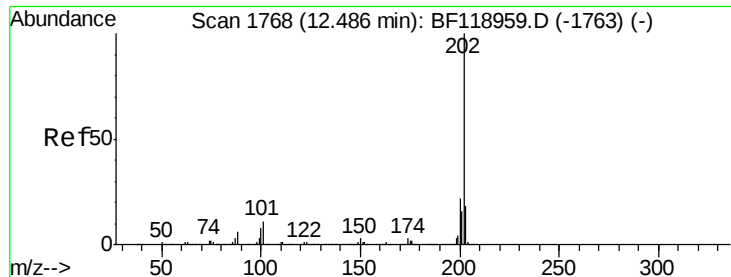
#71
Phenanthrene
Concen: 6.228 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF118987.D
Acq: 21 Feb 2020 4:48

Tgt Ion:178 Resp: 150546
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.3 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 13.281 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

Instrument :

BNA_F

ClientSampleId :

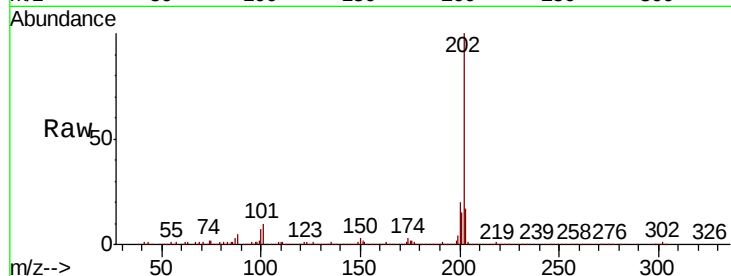
Tot Ion:202 Resp: 340791

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.1

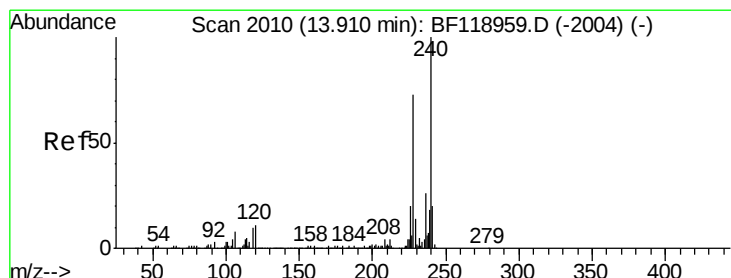
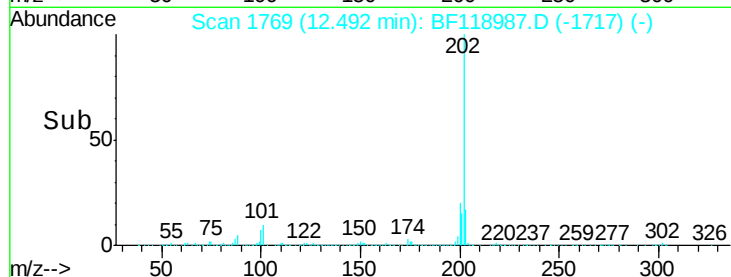
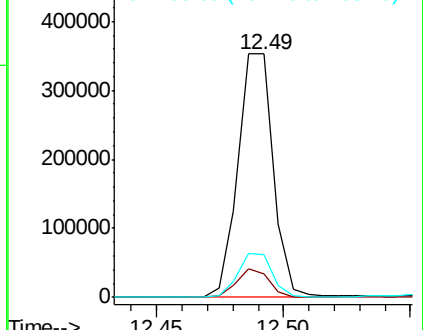
203 17.3 0.0 38.1



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: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

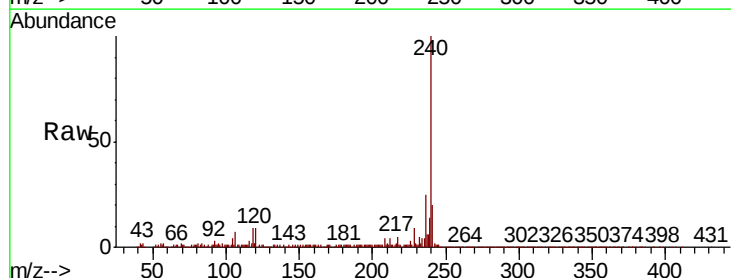
Tgt Ion:240 Resp: 380724

Ion Ratio Lower Upper

240 100

120 9.2 8.9 13.3

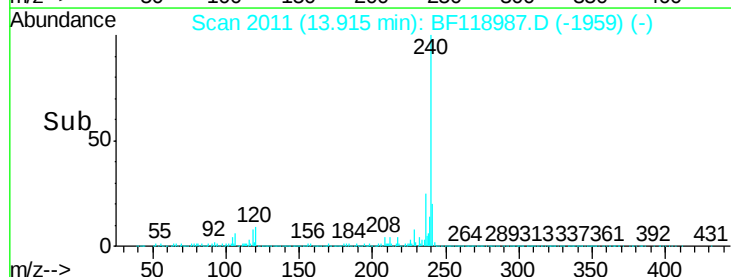
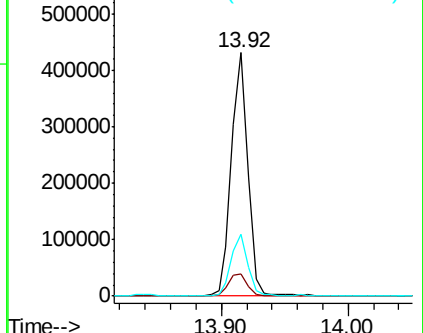
236 25.4 20.6 30.8

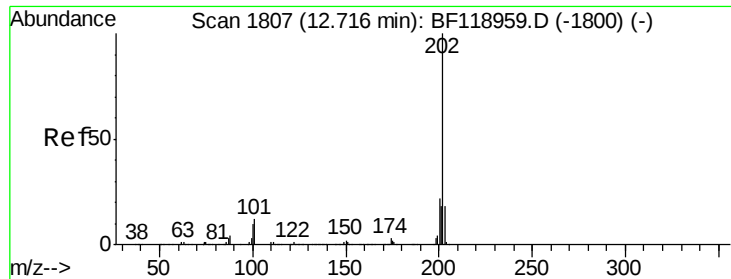


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

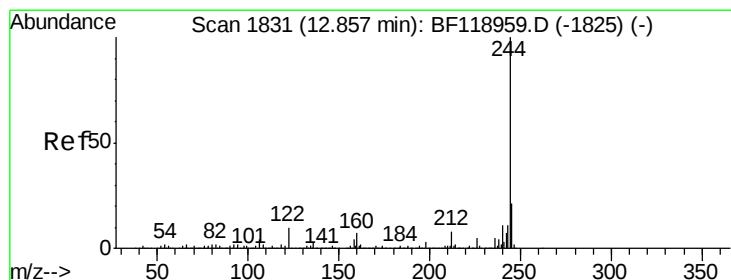
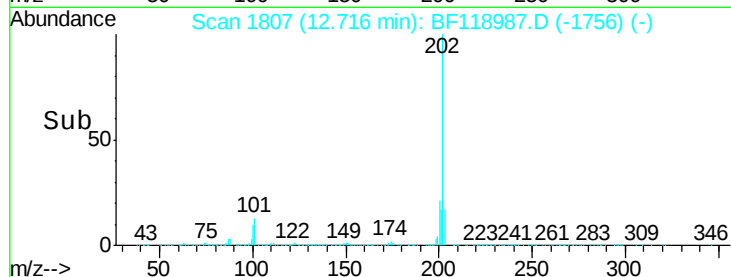
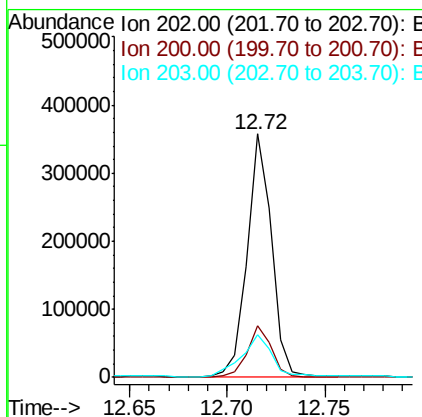
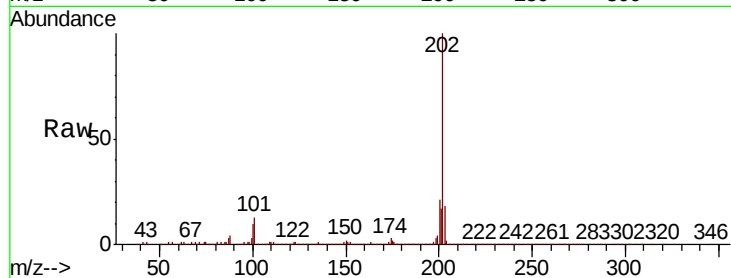




#78
Pvrene
Concen: 10.104 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BF118987.D
Acq: 21 Feb 2020 4:48

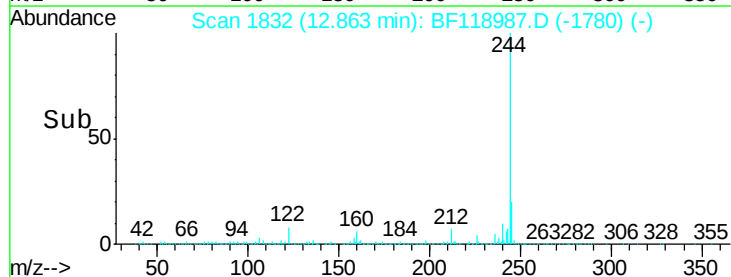
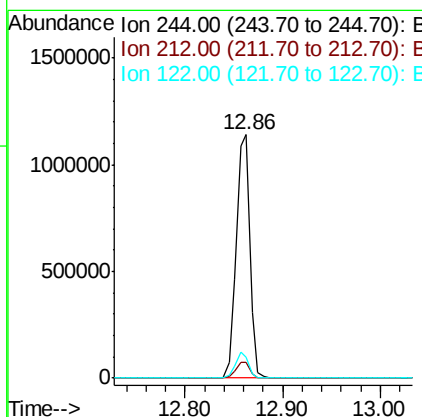
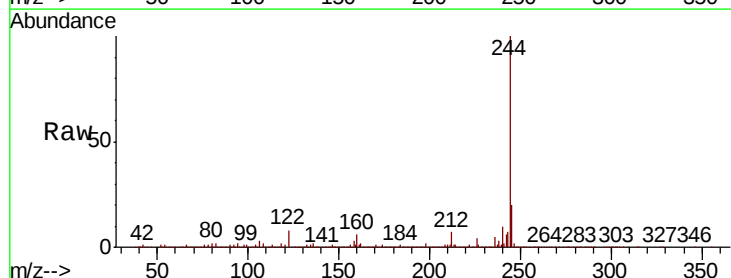
Instrument :
BNA_F
ClientSampleId :

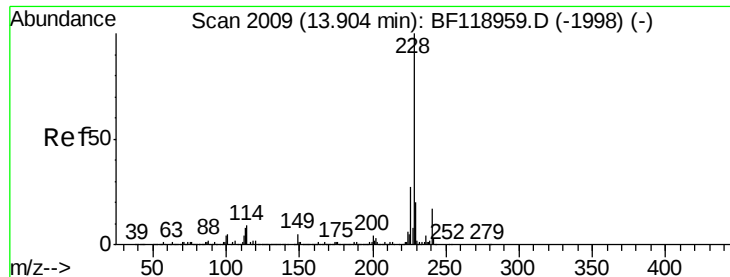
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.0
203	17.7	14.5	21.7



#79
Terphenyl-d14
Concen: 49.989 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF118987.D
Acq: 21 Feb 2020 4:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.3	9.5
122	8.4	8.4	12.6





#81

Benzo(a)anthracene

Concen: 7.234 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

Instrument :

BNA_F

ClientSampleId :

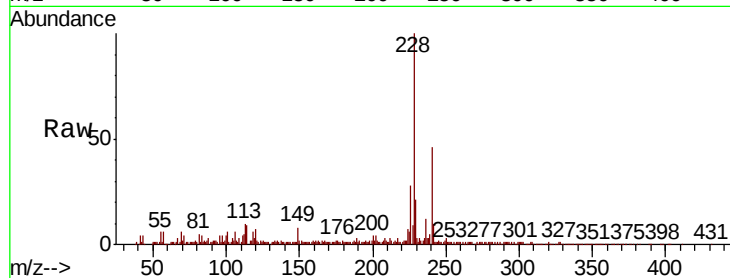
Tot Ion:228 Resp: 187649

Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.8

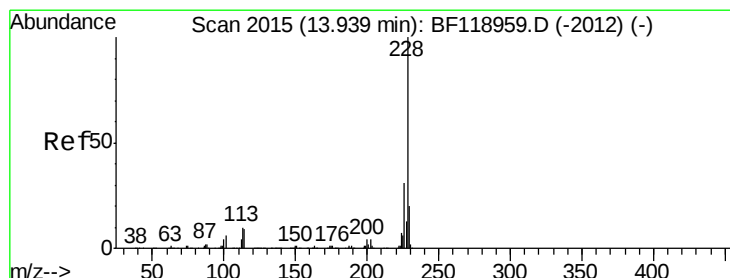
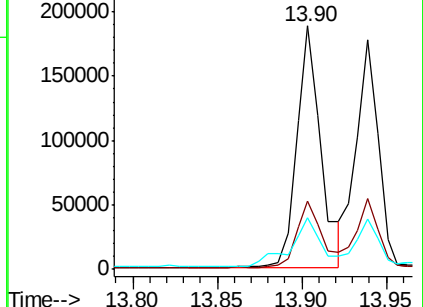
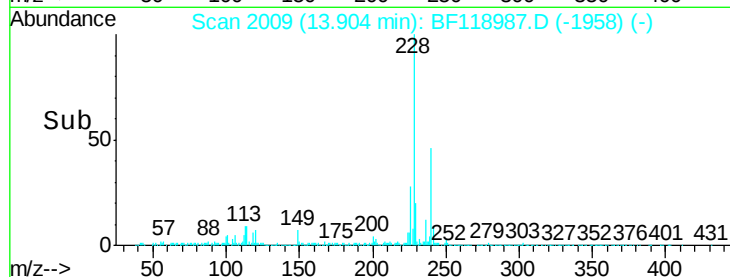
229 21.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.311 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

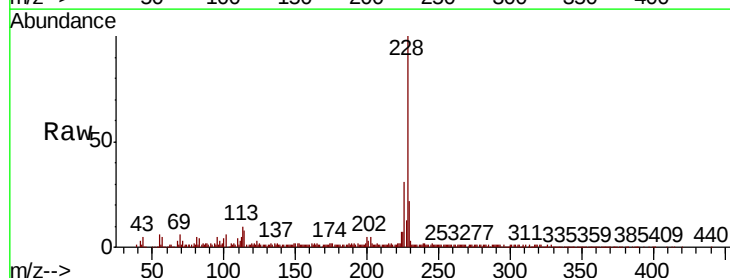
Tgt Ion:228 Resp: 163136

Ion Ratio Lower Upper

228 100

226 30.7 24.6 37.0

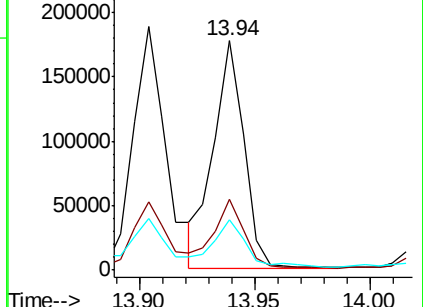
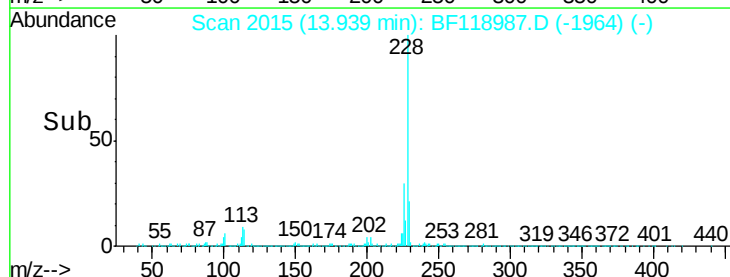
229 21.8 16.2 24.2

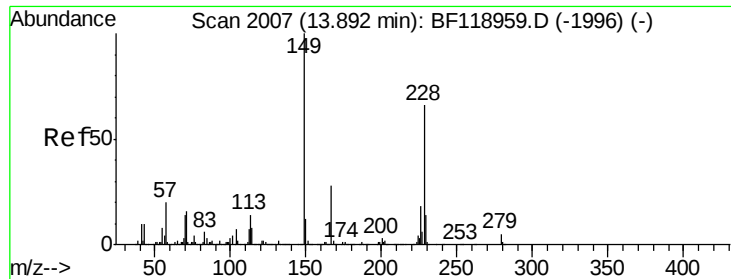


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.108 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

Instrument :

BNA_F

ClientSampleId :

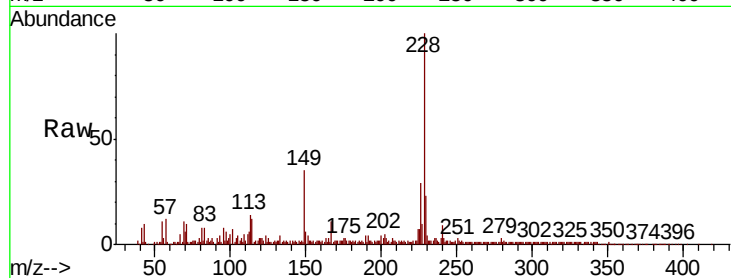
Tot Ion:149 Resp: 34274

Ion Ratio Lower Upper

149 100

167 30.4 22.3 33.5

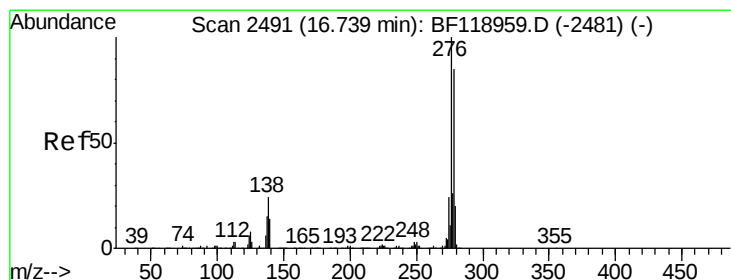
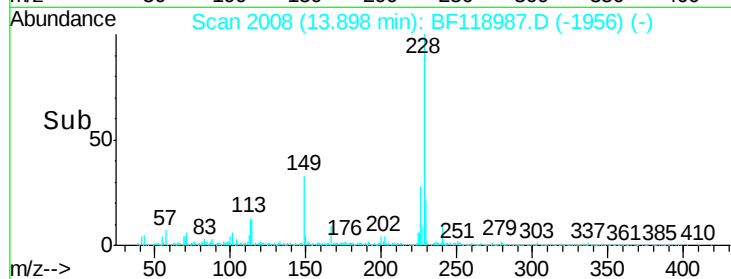
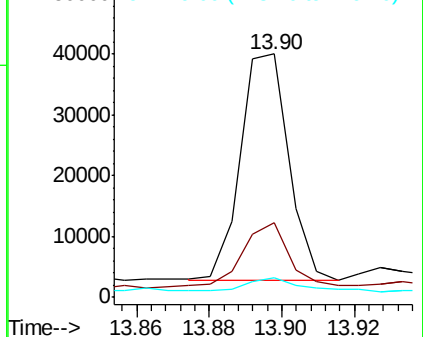
279 8.2 4.2 6.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.097 ng

RT: 16.76 min Scan# 2494

Delta R.T. 0.02 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

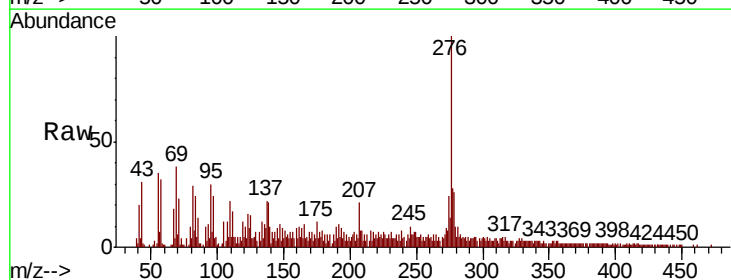
Tgt Ion:276 Resp: 77513

Ion Ratio Lower Upper

276 100

138 22.6 18.7 28.1

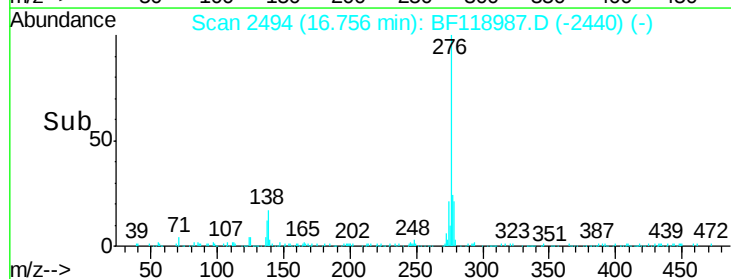
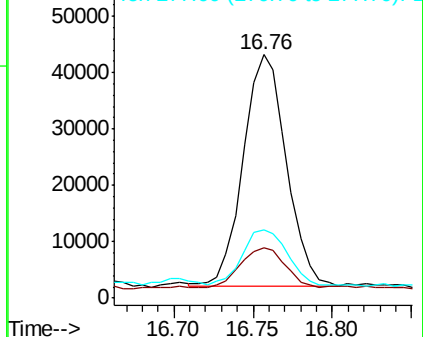
277 26.1 20.3 30.5

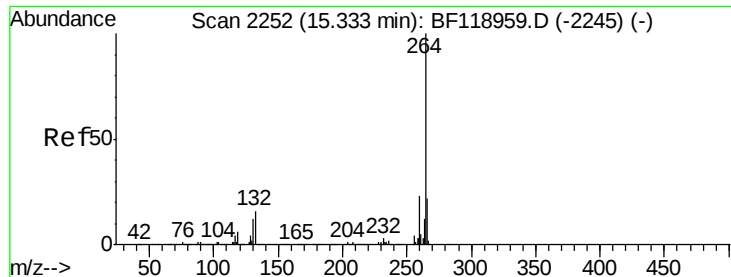


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.35 min Scan# 2255

Delta R.T. 0.02 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

Instrument :

BNA_F

ClientSampleId :

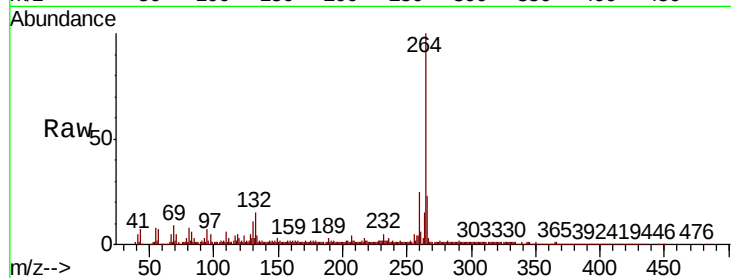
Tot Ion:264 Resp: 316430

Ion Ratio Lower Upper

264 100

260 25.0 18.6 28.0

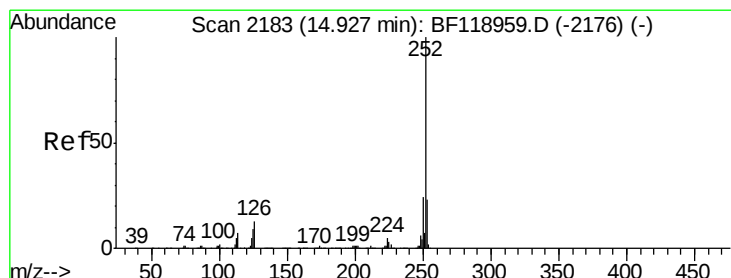
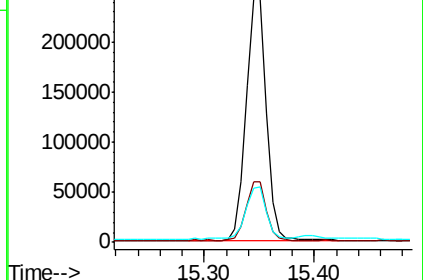
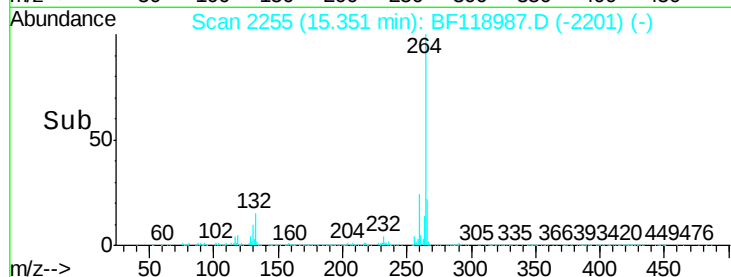
265 22.7 17.3 25.9



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: 13.405 ng

RT: 14.94 min Scan# 2185

Delta R.T. 0.01 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

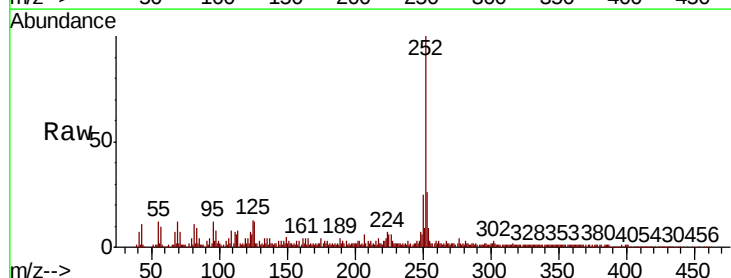
Tgt Ion:252 Resp: 279585

Ion Ratio Lower Upper

252 100

253 26.0 18.2 27.2

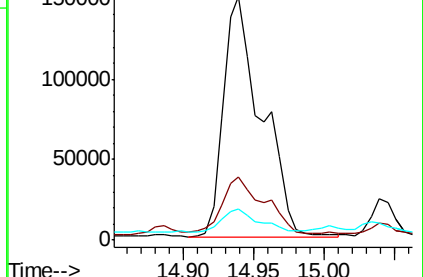
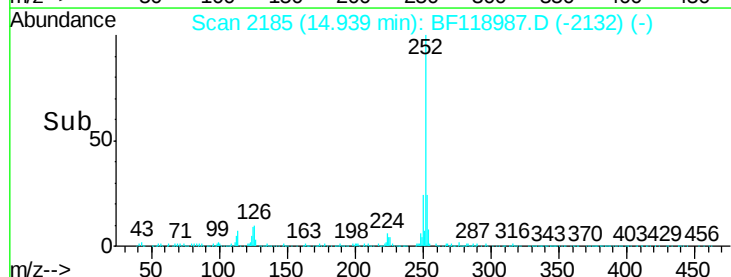
125 12.7 7.4 11.0#

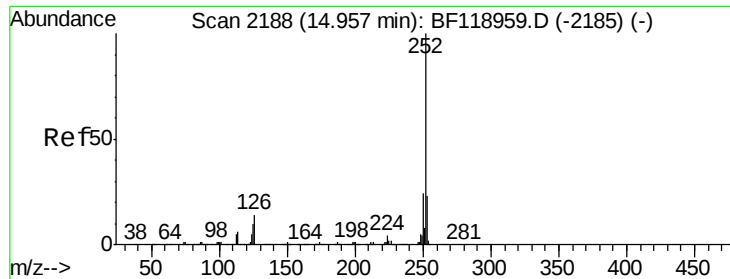


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

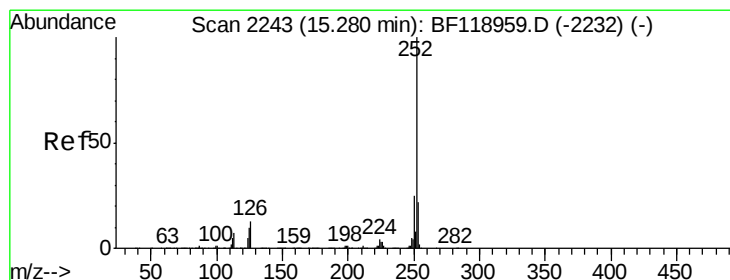
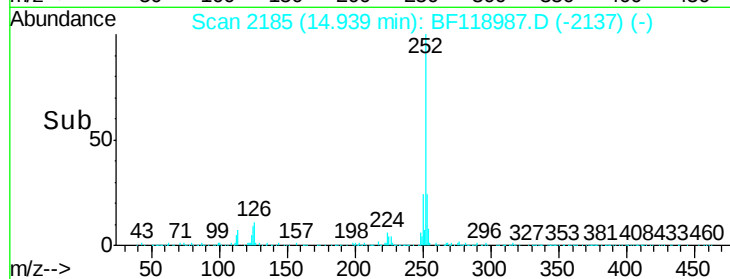
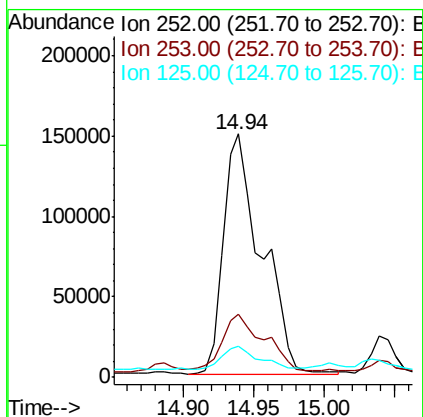
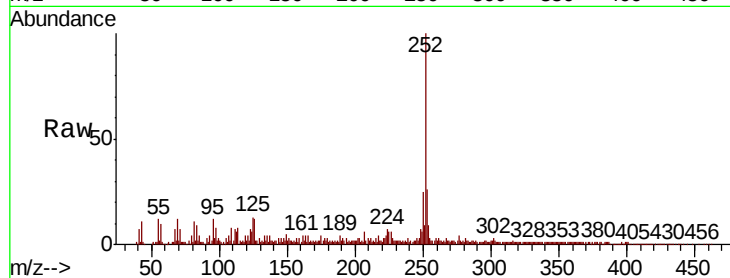




#89
Benzo(k)fluoranthene
Concen: 14.465 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF118987.D
Acq: 21 Feb 2020 4:48

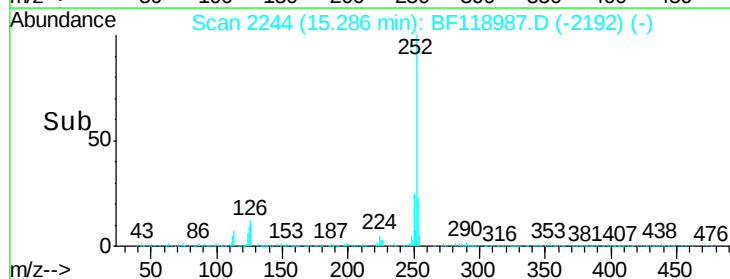
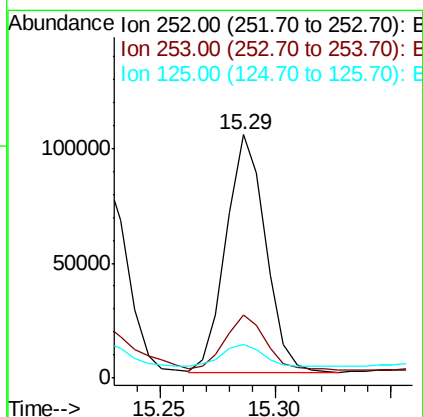
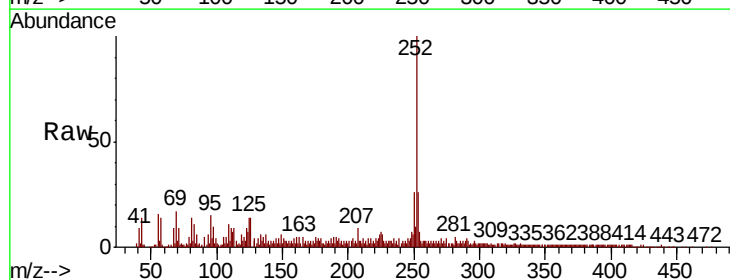
Instrument :
BNA_F
ClientSampleId :

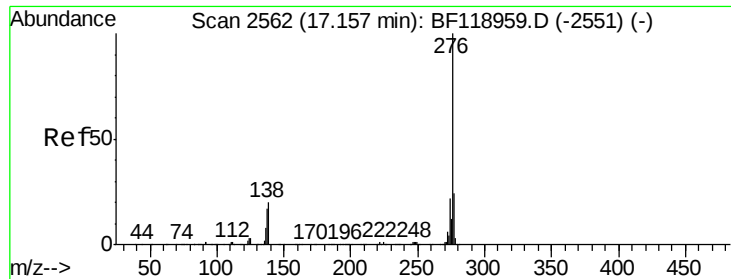
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	12.7	7.3	10.9



#90
Benzo(a)pyrene
Concen: 6.595 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF118987.D
Acq: 21 Feb 2020 4:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.9	26.9
125	13.9	7.8	11.6





#92

Benzo(a,h,i)perylene

Concen: 4.759 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.03 min

Lab File: BF118987.D

Acq: 21 Feb 2020 4:48

Instrument :

BNA_F

ClientSampleId :

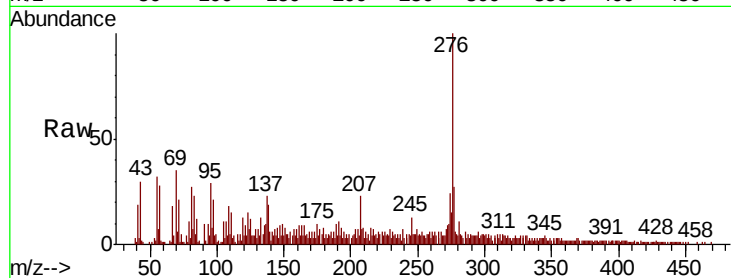
Tot Ion: 276 Resp: 77877

Ion Ratio Lower Upper

276 100

277 27.2 19.2 28.8

138 19.4 16.2 24.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

