

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
 Data File : BF119174.D
 Acq On : 2 Mar 2020 17:53
 Operator : CG/JU
 Sample : L1740-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 03 07:20:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	122228	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	467408	20.00	ng	-0.02
39) Acenaphthene-d10	9.76	164	252444	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	443197	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	317344	20.00	ng	-0.02
87) Perylene-d12	15.32	264	363423	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	653056	89.29	ng	-0.01
7) Phenol-d6	6.38	99	802858	90.26	ng	-0.02
23) Nitrobenzene-d5	7.30	82	546661	61.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	254370	77.03	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	1024024	59.76	ng	-0.02
79) Terphenyl-d14	12.83	244	999634	54.23	ng	-0.02

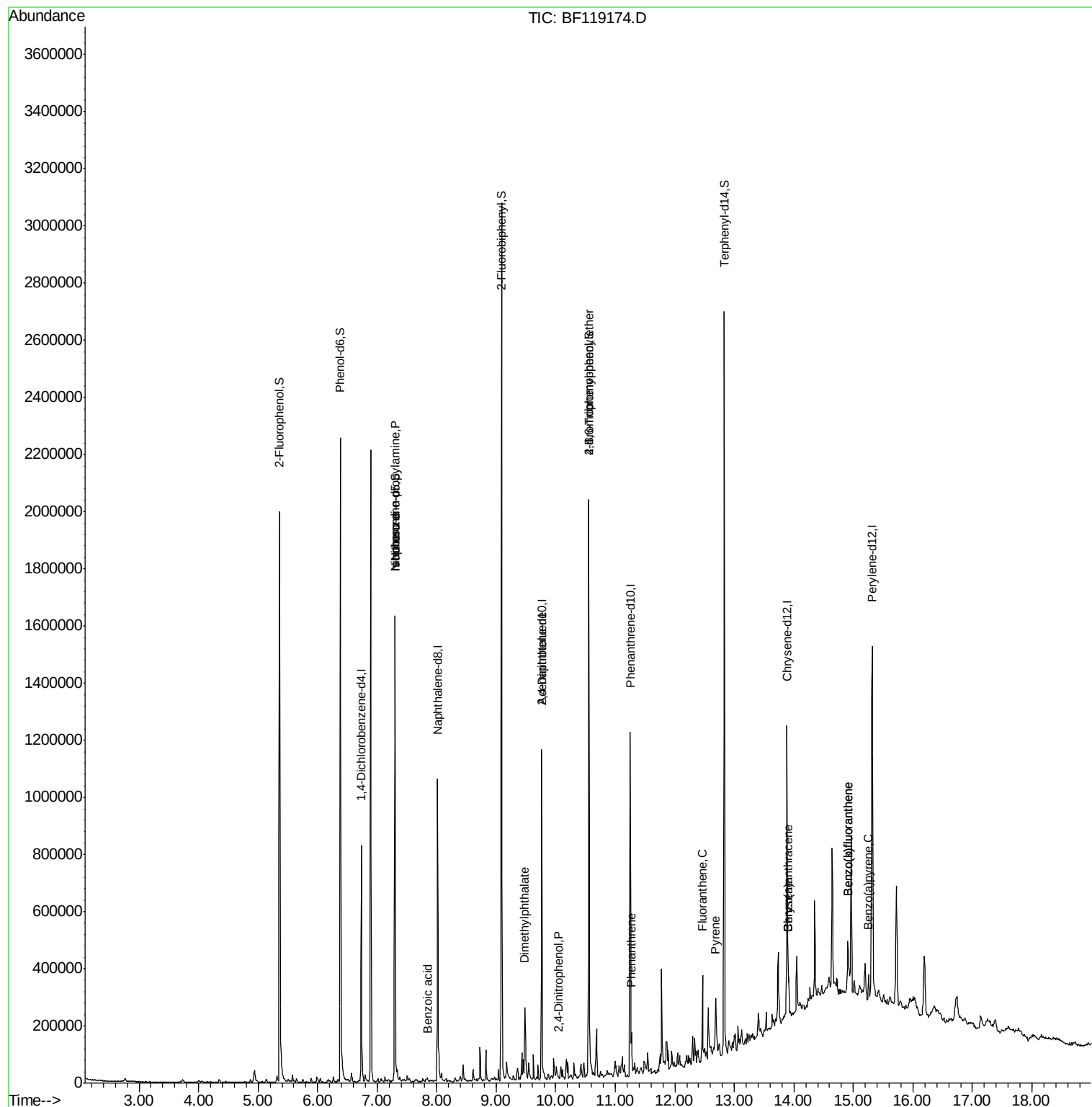
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	77812	15.013	ng	# 73
25) Isophorone	7.30	82	546656	35.557	ng	# 63
32) Benzoic acid	7.83	122	725	6.816	ng	# 50
50) Dimethylphthalate	9.49	163	103008	5.336	ng	98
54) 2,4-Dinitrophenol	10.05	184	253	7.585	ng	# 23
57) 2,4-Dinitrotoluene	9.76	165	34351	6.179	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	17034	2.940	ng	# 1
71) Phenanthrene	11.27	178	57073	2.361	ng	97
75) Fluoranthene	12.46	202	103455	4.032	ng	98
78) Pyrene	12.69	202	87180	3.421	ng	97
81) Benzo(a)anthracene	13.92	228	62710	2.900	ng	94
83) Chrysene	13.92	228	62710	2.911	ng	97
88) Benzo(b)fluoranthene	14.91	252	125159	5.225	ng	# 97
89) Benzo(k)fluoranthene	14.91	252	125159	5.638	ng	# 97
90) Benzo(a)pyrene	15.26	252	44878	2.076	ng	# 93

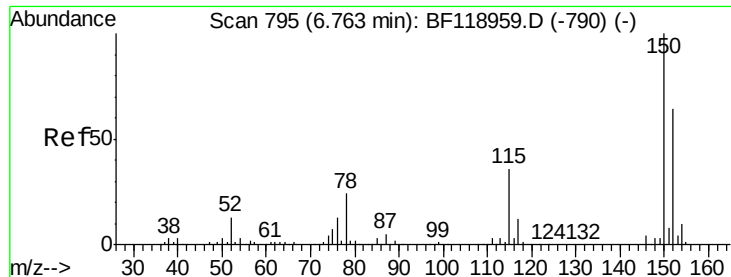
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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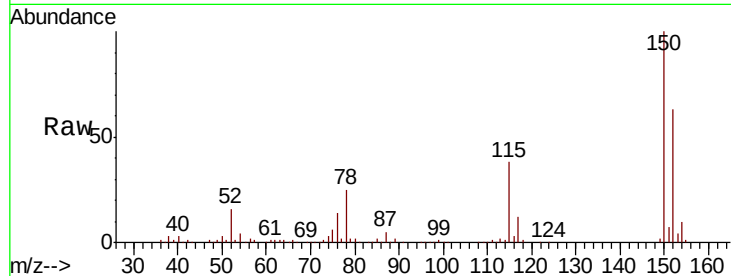


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119174.D
Acq: 2 Mar 2020 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.0	184.6
115	59.5	49.5	74.3

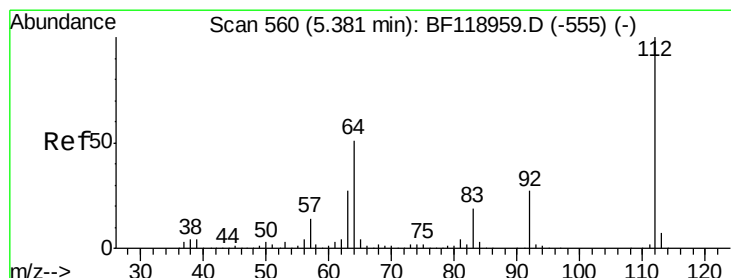
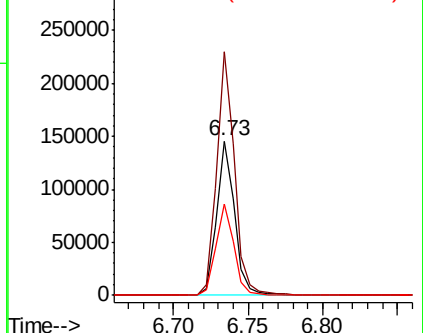
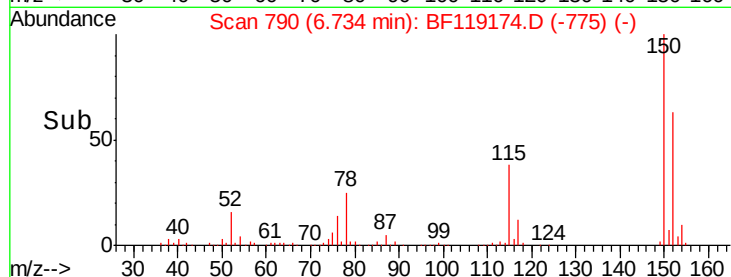


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

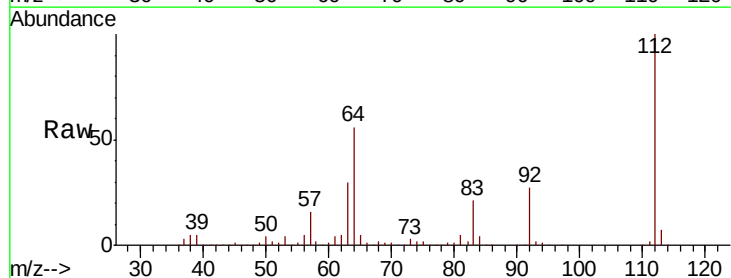
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.290 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF119174.D
Acq: 2 Mar 2020 17:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.0	67.4
63	30.3	24.2	36.4

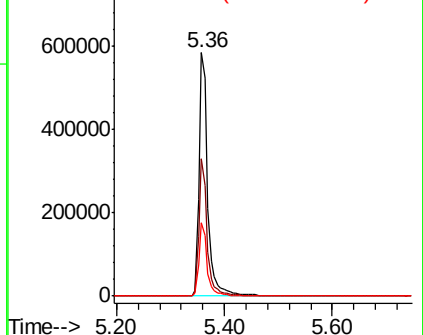
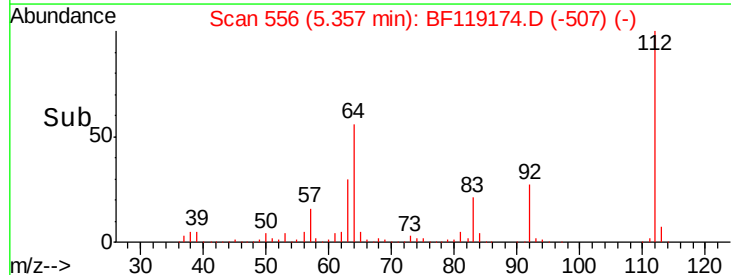


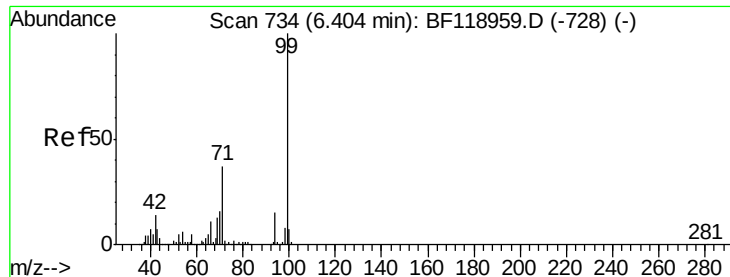
Abundance

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: 90.259 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

Instrument :

BNA_F

ClientSampled :

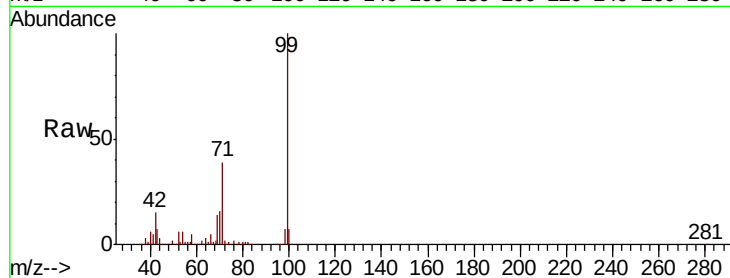
Tot Ion: 99 Resp: 802858

Ion Ratio Lower Upper

99 100

42 15.1 12.6 18.8

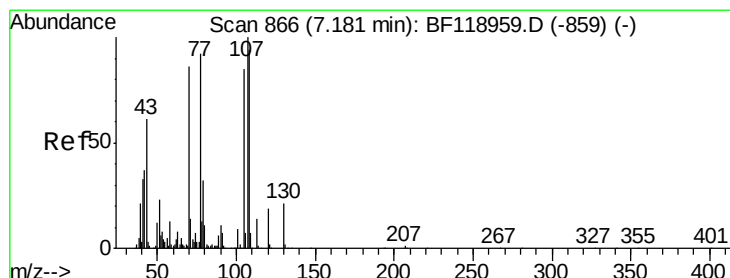
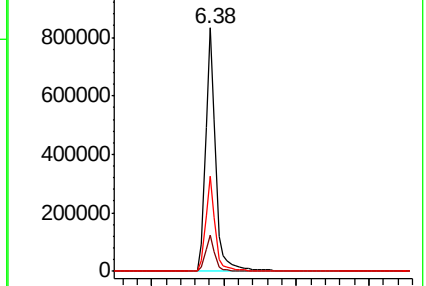
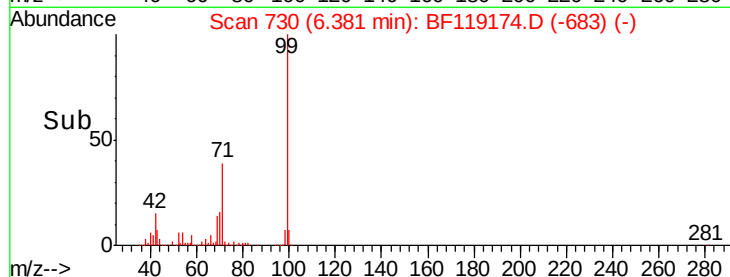
71 39.3 31.0 46.4



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: 15.013 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

Tgt Ion: 70 Resp: 77812

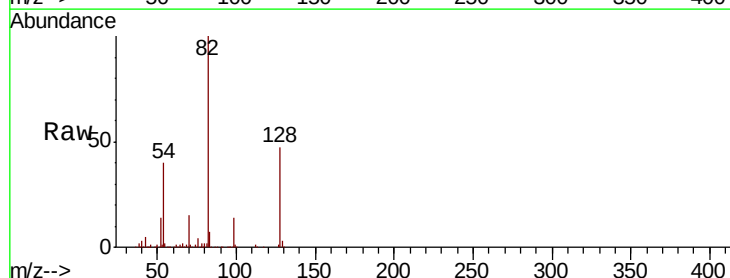
Ion Ratio Lower Upper

70 100

42 35.2 38.0 57.0#

101 0.0 8.2 12.4#

130 1.8 18.2 27.4#

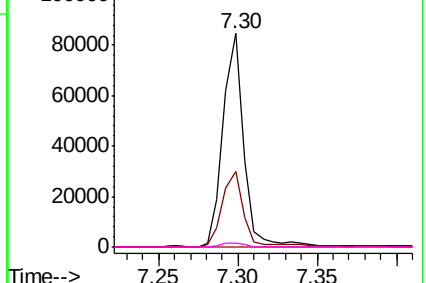
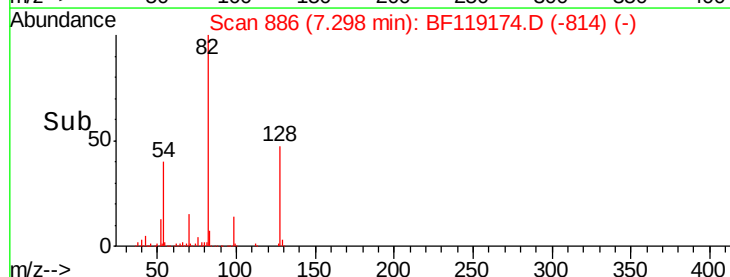


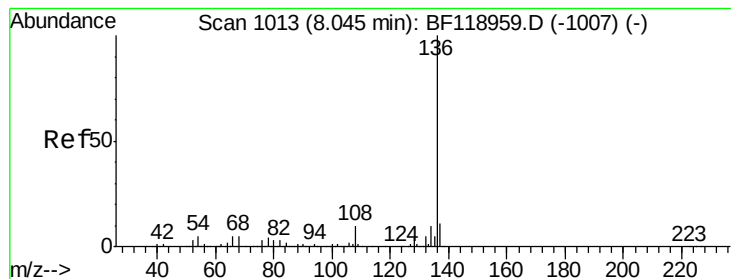
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 467408

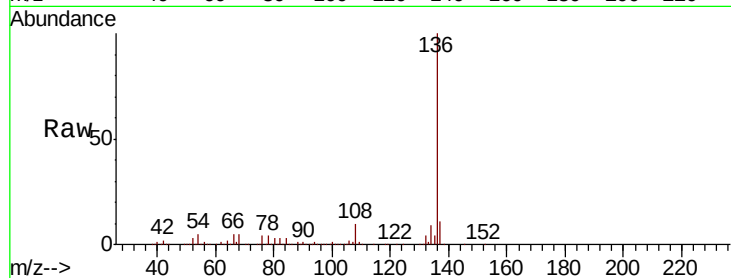
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 4.9 3.8 5.6

68 5.2 3.9 5.9

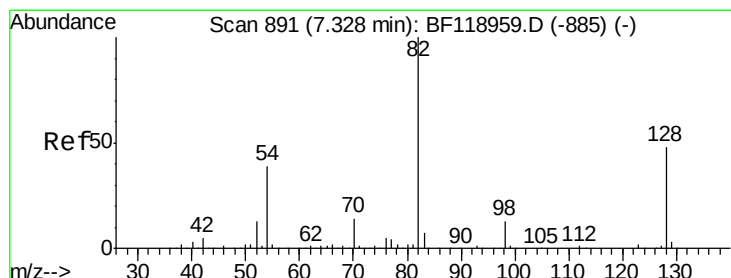
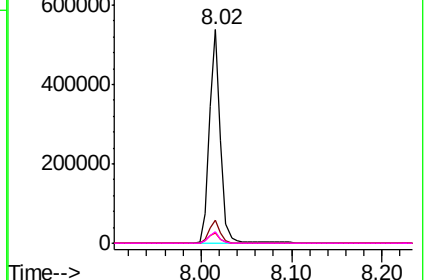
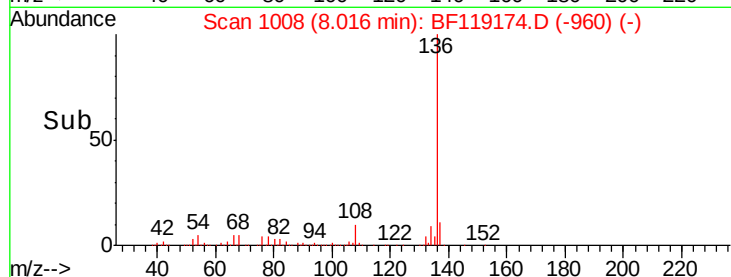


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.753 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

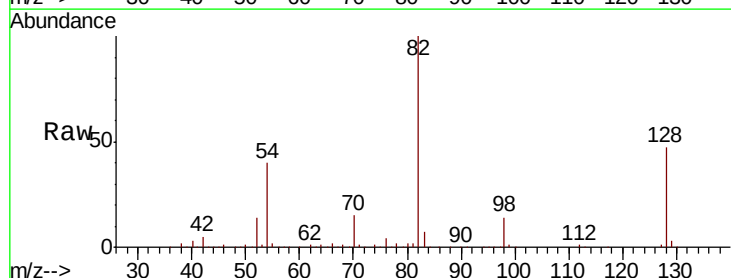
Tgt Ion: 82 Resp: 546661

Ion Ratio Lower Upper

82 100

128 46.8 37.9 56.9

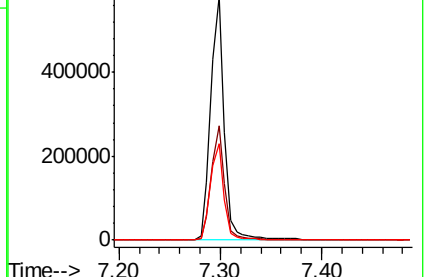
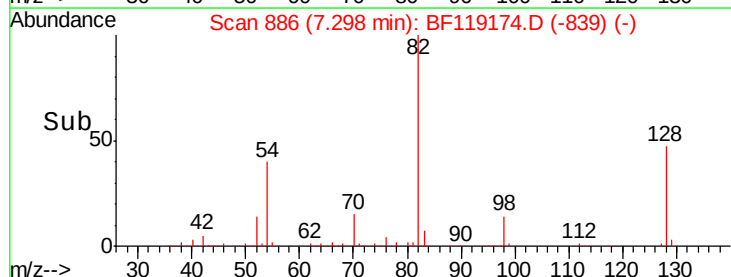
54 39.7 33.4 50.2

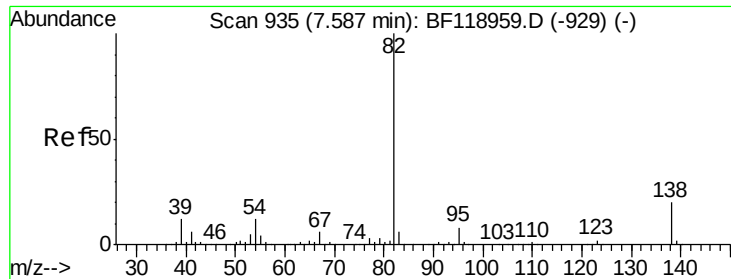


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.557 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

Instrument :

BNA_F

ClientSampleId :

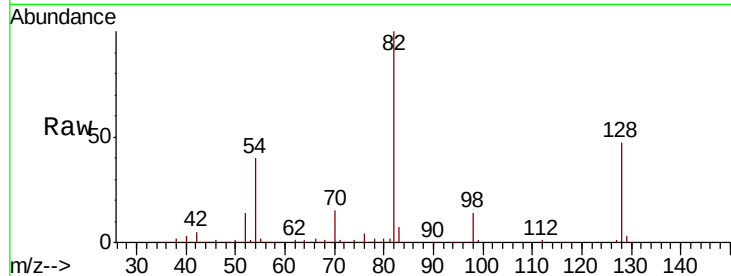
Tot Ion: 82 Resp: 546656

Ion Ratio Lower Upper

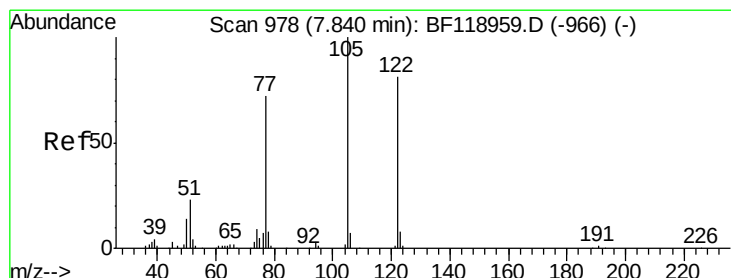
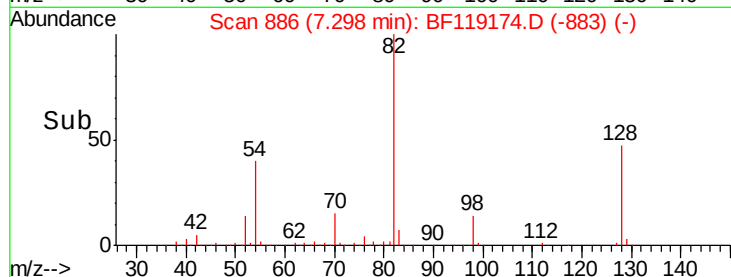
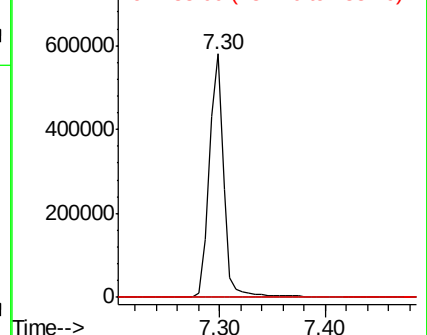
82 100

95 0.1 6.4 9.6#

138 0.0 15.7 23.5#



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



#32

Benzoic acid

Concen: 6.816 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.03 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

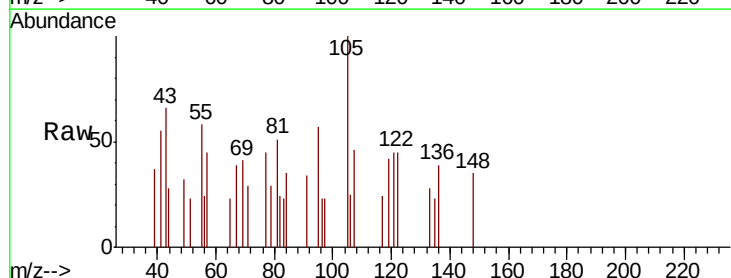
Tgt Ion: 122 Resp: 725

Ion Ratio Lower Upper

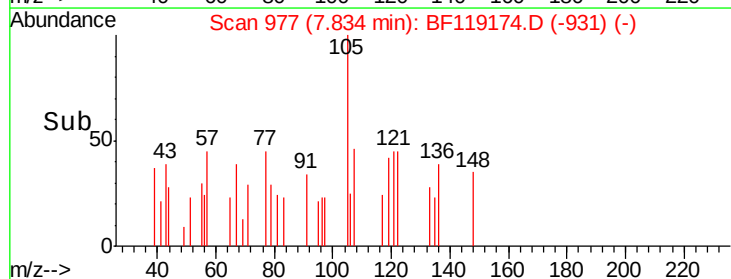
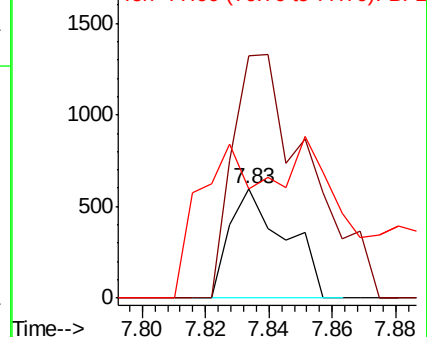
122 100

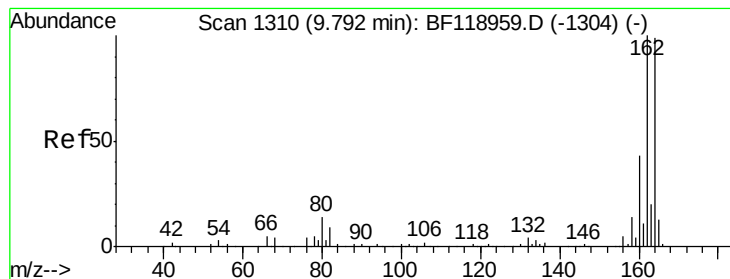
105 221.2 106.3 146.3#

77 99.3 73.1 113.1



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

Instrument :

BNA_F

ClientSampleId :

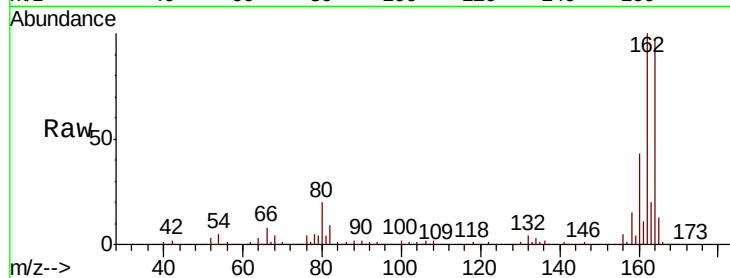
Tot Ion:164 Resp: 252444

Ion Ratio Lower Upper

164 100

162 103.2 81.8 122.8

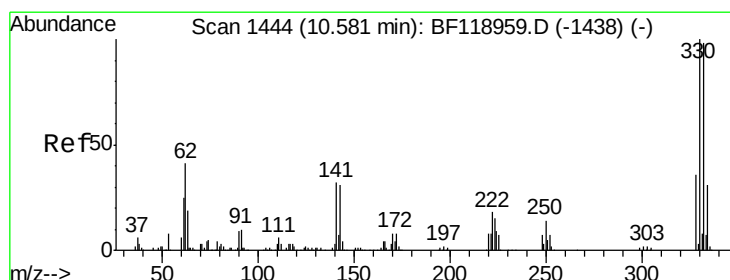
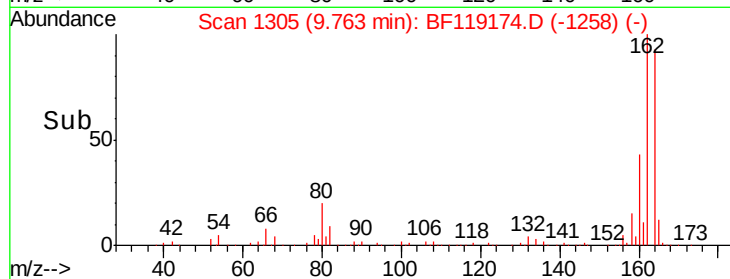
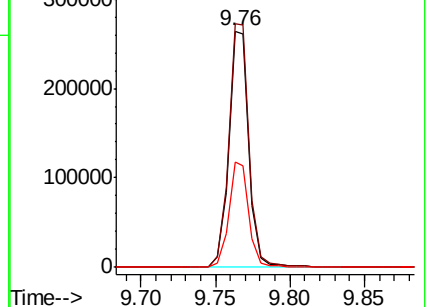
160 44.7 36.0 54.0



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: 77.026 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

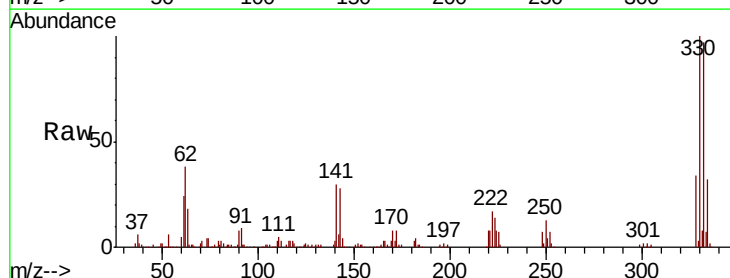
Tgt Ion:330 Resp: 254370

Ion Ratio Lower Upper

330 100

332 97.4 76.0 114.0

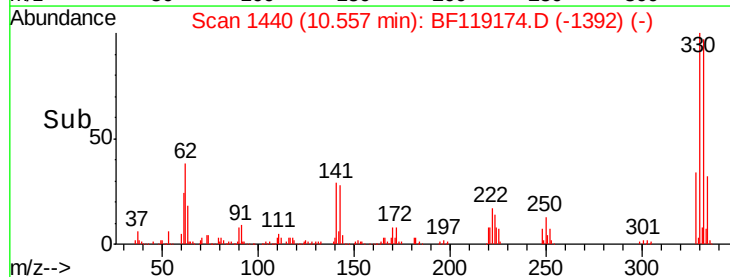
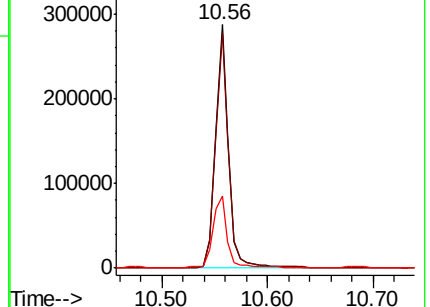
141 32.7 22.9 34.3

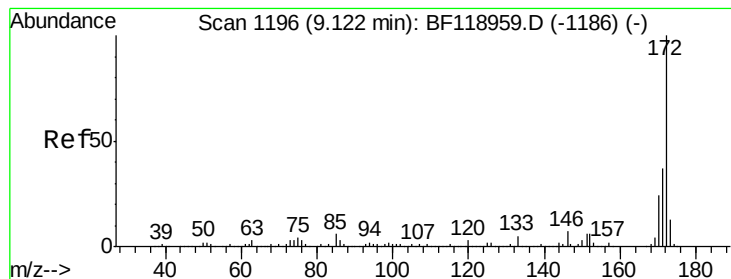


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 59.758 ng

RT: 9.09 min Scan# 1191

Delta R.T. -0.02 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

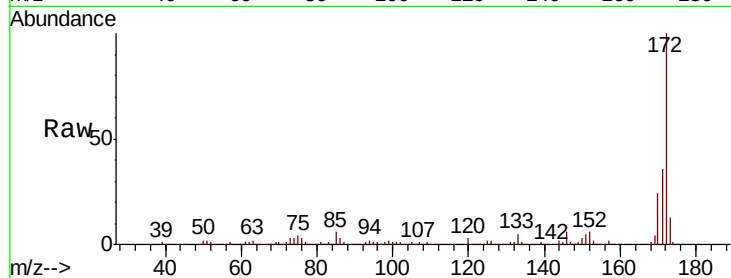
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1024024

Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.6	45.8
170	23.8	20.2	30.2

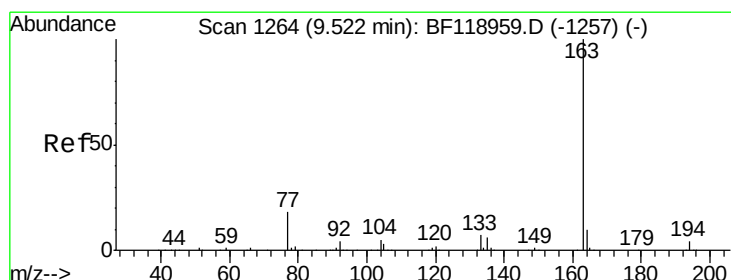
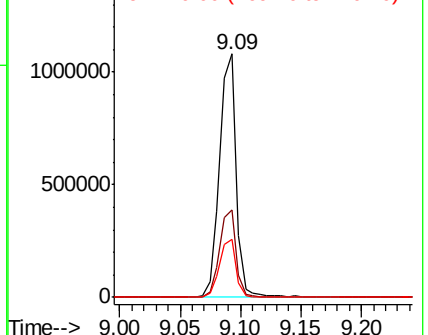
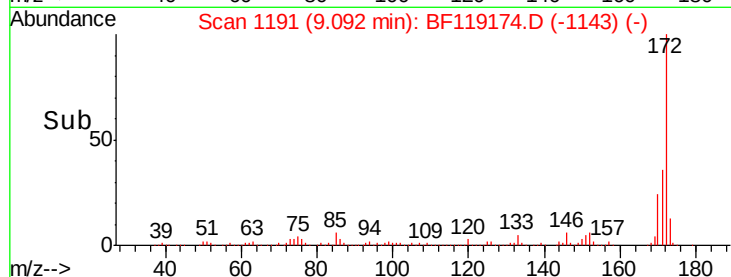


Abundance

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: 5.336 ng

RT: 9.49 min Scan# 1258

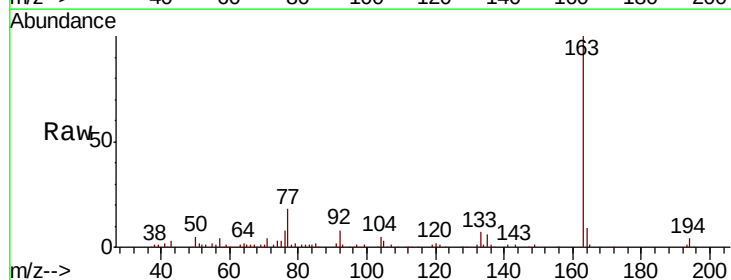
Delta R.T. -0.03 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

Tgt Ion:163 Resp: 103008

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.5	8.4	12.6

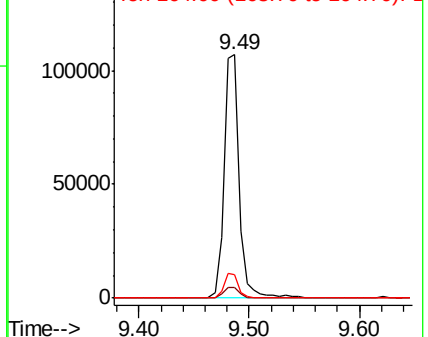
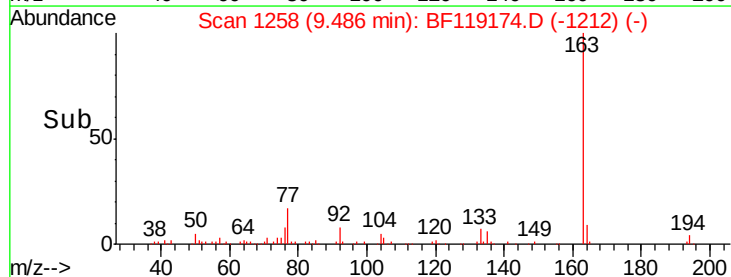


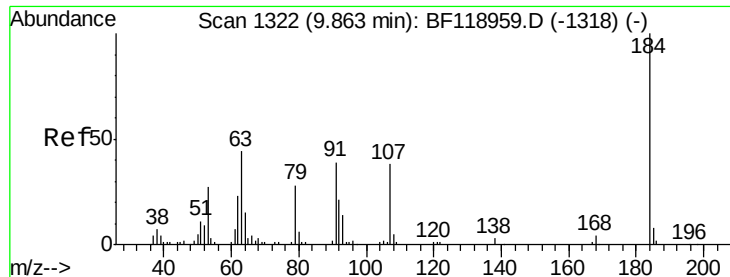
Abundance

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





#54

2,4-Dinitrophenol

Concen: 7.585 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.19 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

Instrument :

BNA_F

ClientSampleId :

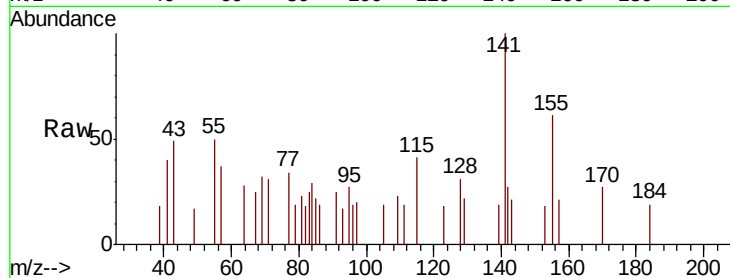
Tot Ion:184 Resp: 253

Ion Ratio Lower Upper

184 100

63 0.0 38.7 58.1#

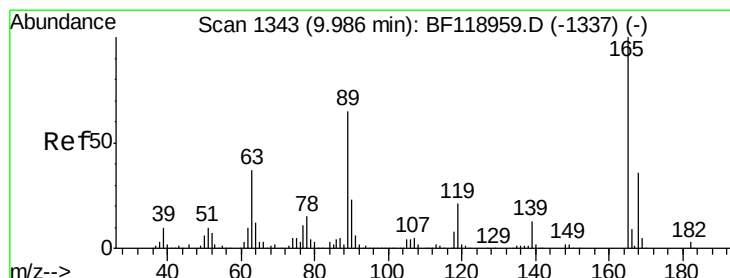
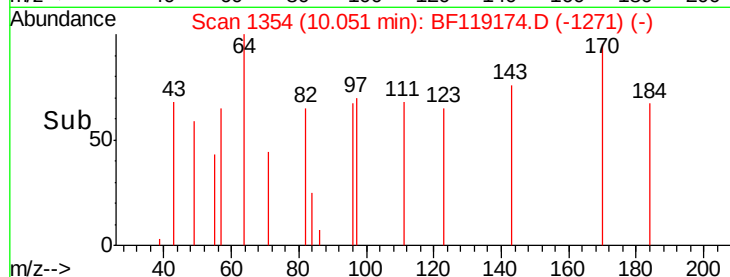
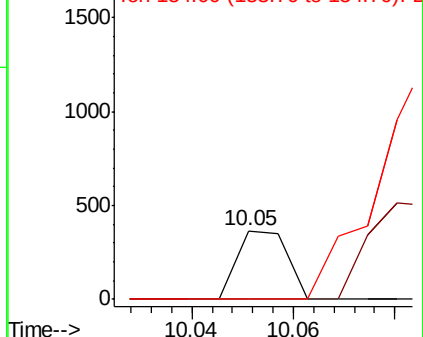
154 0.0 49.7 74.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 6.179 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.22 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

Tgt Ion:165 Resp: 34351

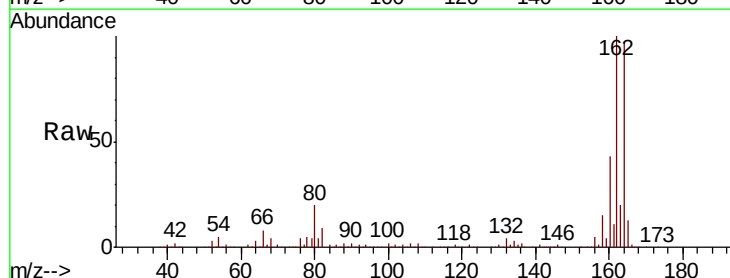
Ion Ratio Lower Upper

165 100

63 1.8 42.3 63.5#

89 1.8 60.2 90.4#

182 0.0 2.3 3.5#

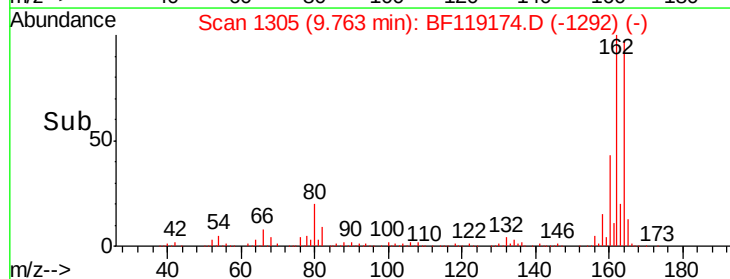
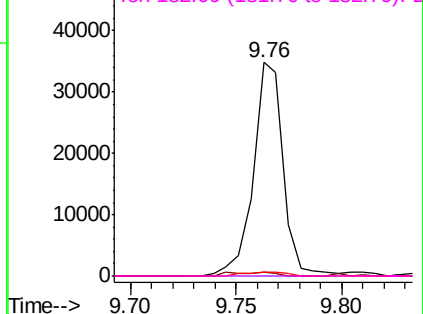


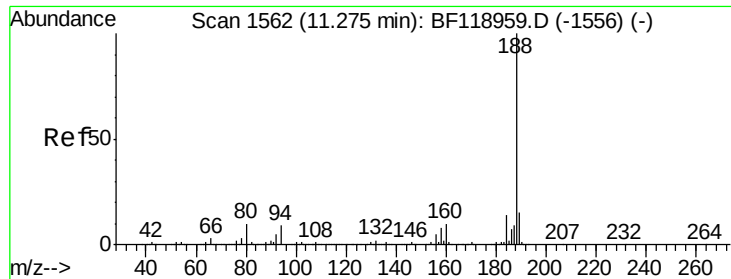
Abundance Ion 165.00 (164.70 to 165.70): E

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

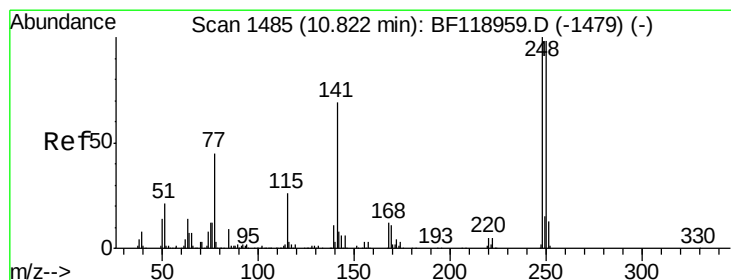
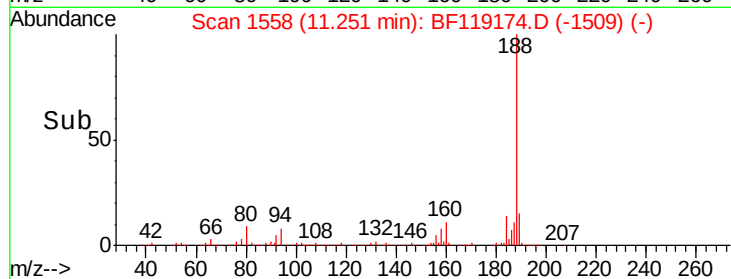
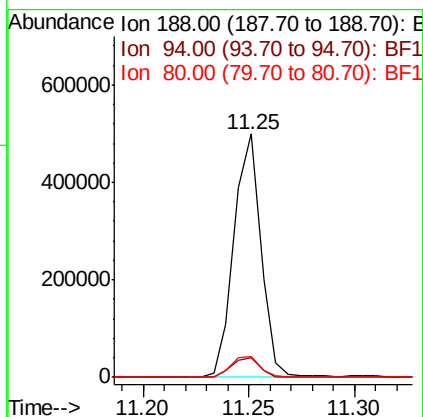
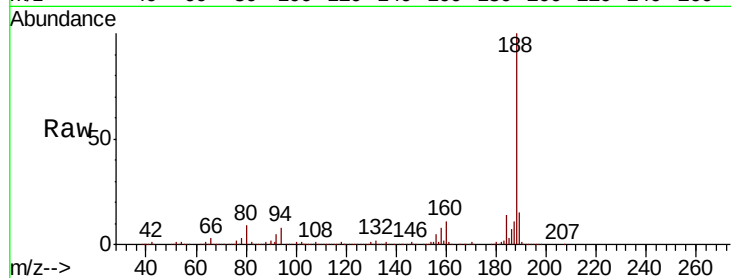




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF119174.D
Acq: 2 Mar 2020 17:53

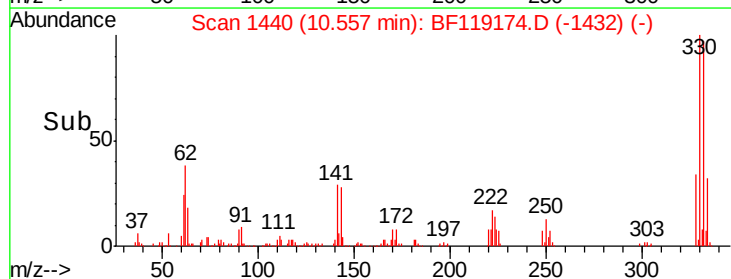
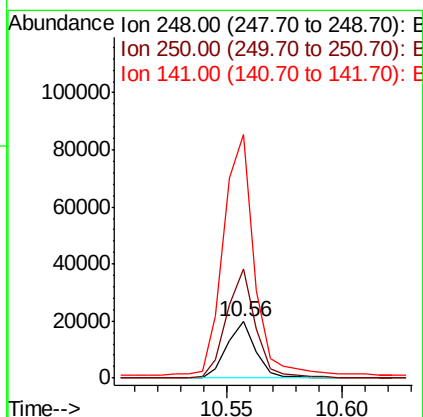
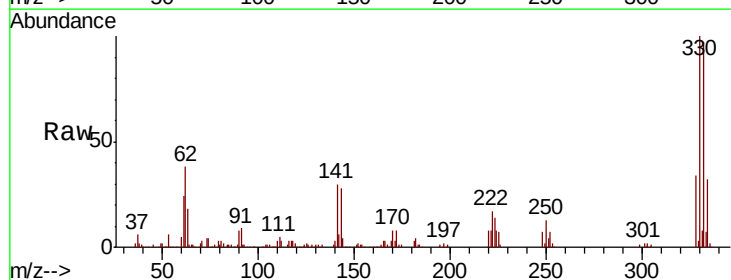
Instrument :
BNA_F
ClientSampleId :

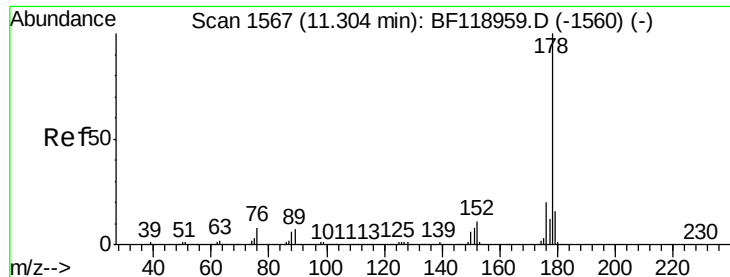
Tot Ion:188 Resp: 443197
Ion Ratio Lower Upper
188 100
94 8.2 7.1 10.7
80 8.6 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 2.940 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.25 min
Lab File: BF119174.D
Acq: 2 Mar 2020 17:53

Tgt Ion:248 Resp: 17034
Ion Ratio Lower Upper
248 100
250 194.8 76.7 115.1#
141 433.0 60.7 91.1#





#71

Phenanthrene

Concen: 2.361 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

Instrument :

BNA_F

ClientSampleId :

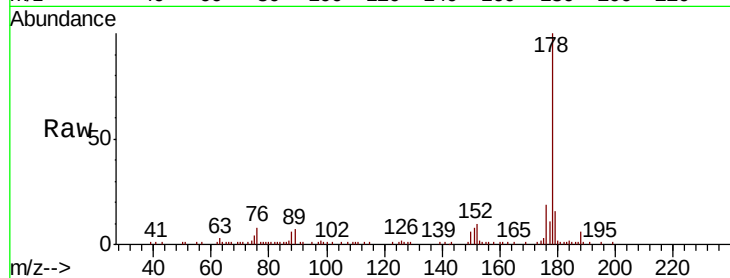
Tot Ion:178 Resp: 57073

Ion Ratio Lower Upper

178 100

176 18.6 16.5 24.7

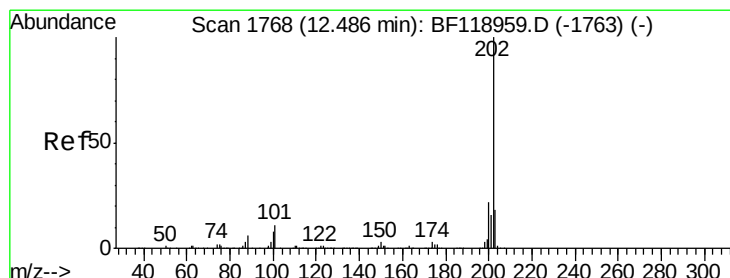
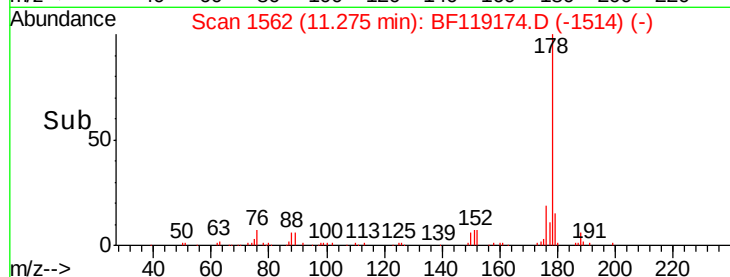
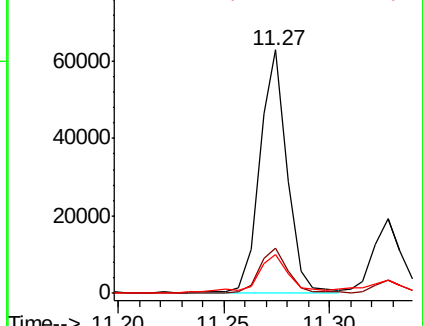
179 15.7 13.0 19.6



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: 4.032 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF119174.D

Acq: 2 Mar 2020 17:53

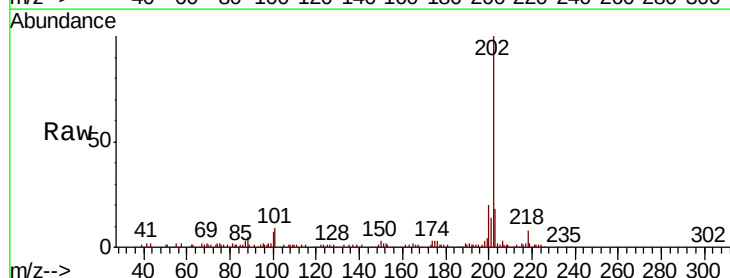
Tgt Ion:202 Resp: 103455

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.3

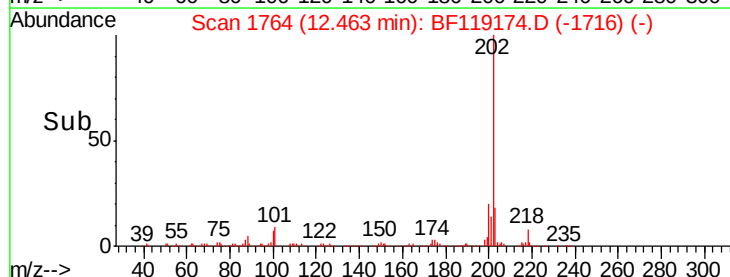
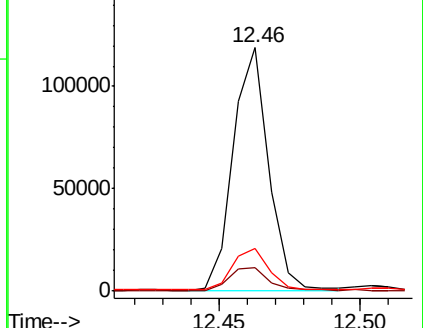
203 17.7 0.0 38.4

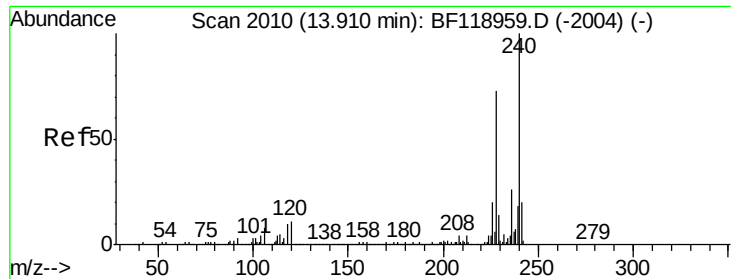


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

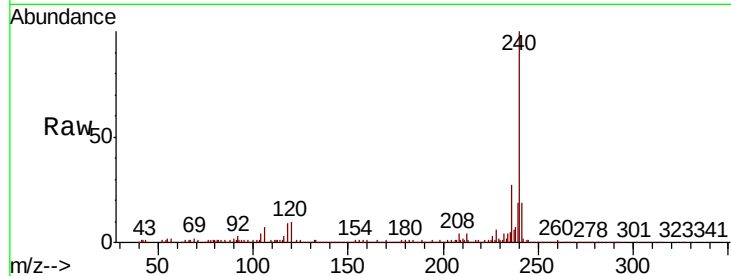




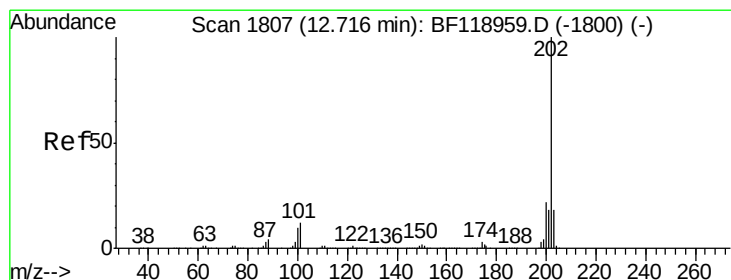
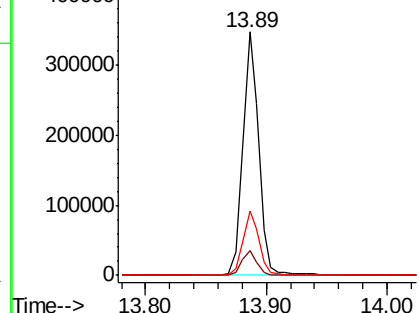
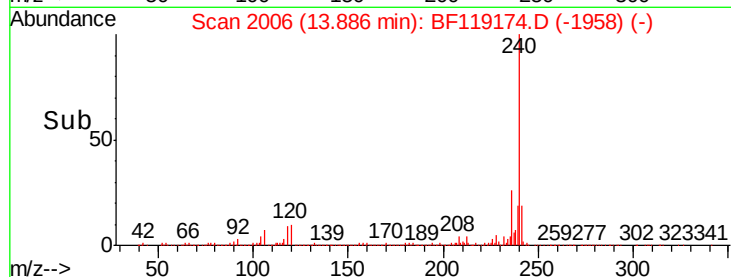
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF119174.D
Acq: 2 Mar 2020 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 317344
Ion Ratio Lower Upper
240 100
120 10.1 8.4 12.6
236 26.6 21.0 31.4

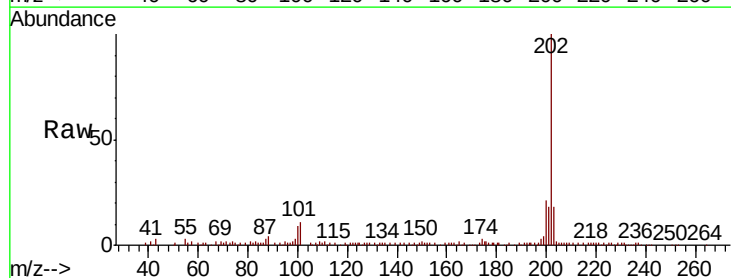


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

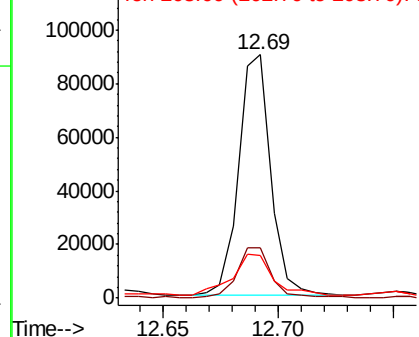
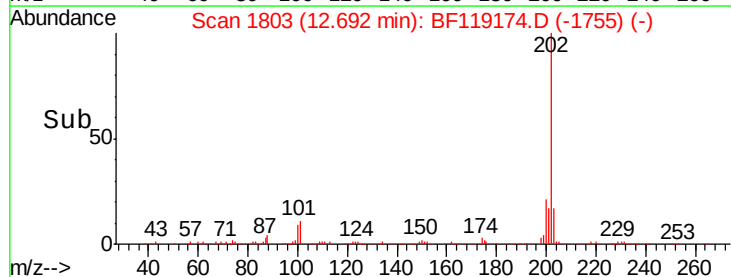


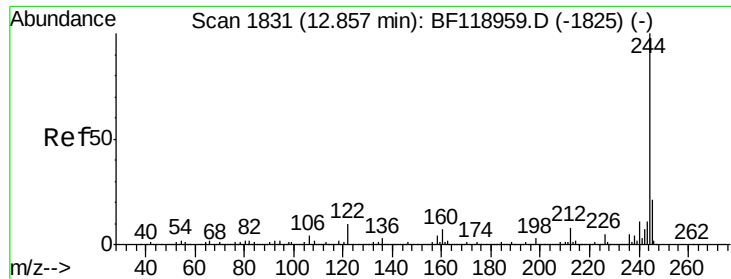
#78
Pyrene
Concen: 3.421 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.02 min
Lab File: BF119174.D
Acq: 2 Mar 2020 17:53

Tgt Ion:202 Resp: 87180
Ion Ratio Lower Upper
202 100
200 20.8 18.0 27.0
203 17.7 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

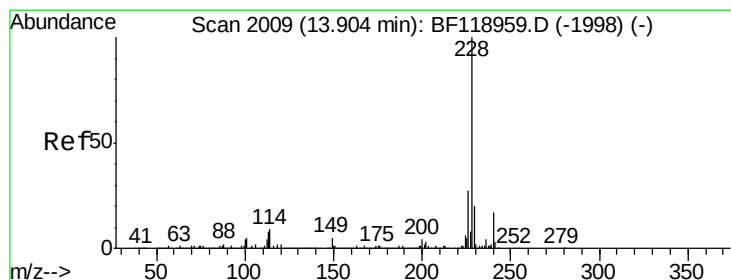
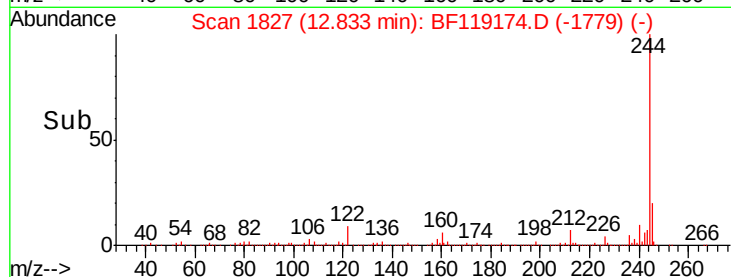
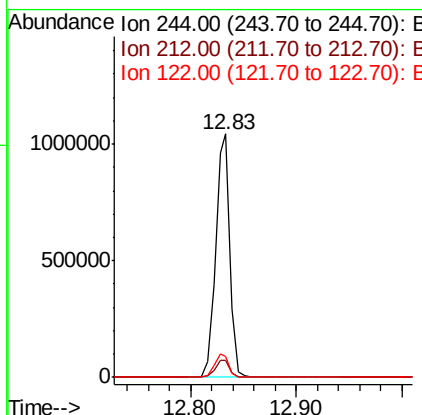
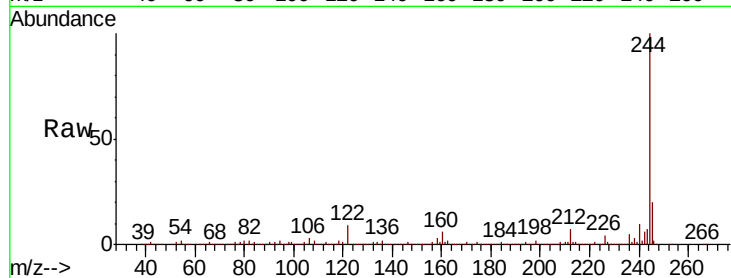




#79
 Terphenyl-d14
 Concen: 54.233 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF119174.D
 Acq: 2 Mar 2020 17:53

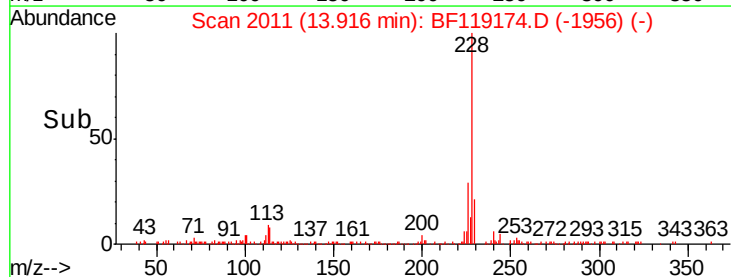
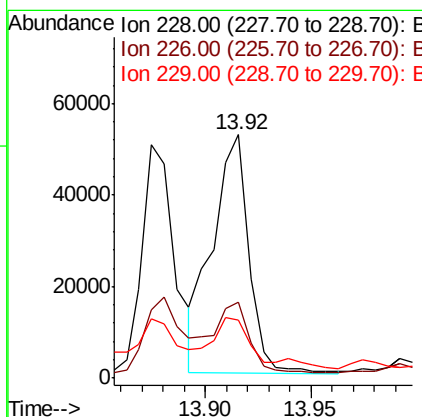
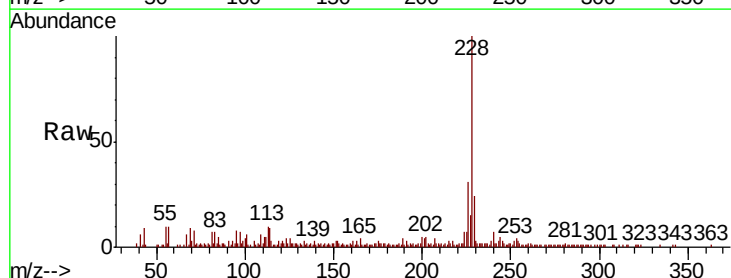
Instrument :
 BNA_F
 ClientSampleID :

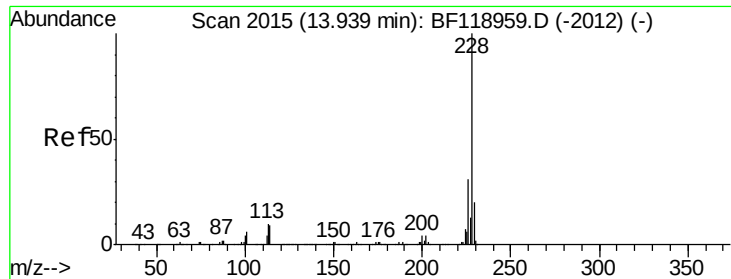
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.6	10.0
122	8.7	8.2	12.2



#81
 Benzo(a)anthracene
 Concen: 2.900 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. 0.02 min
 Lab File: BF119174.D
 Acq: 2 Mar 2020 17:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	23.9	16.6	24.8

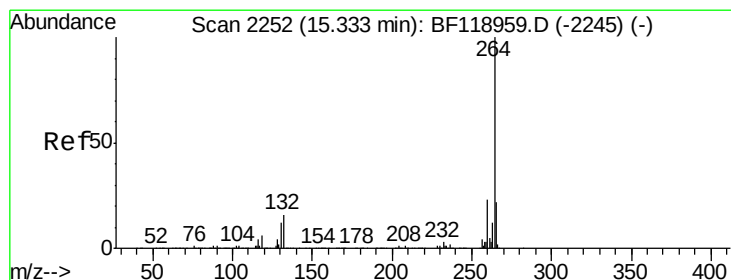
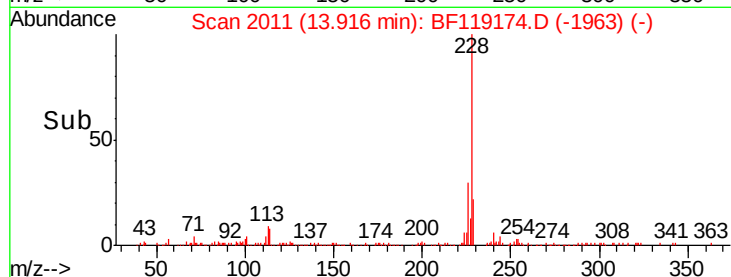
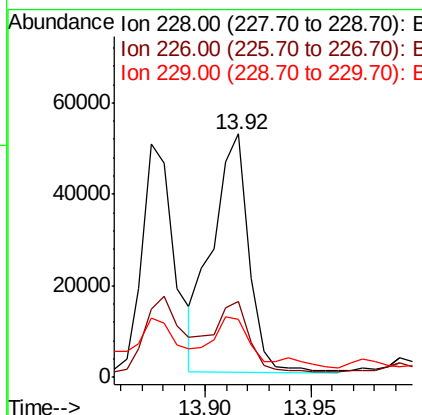
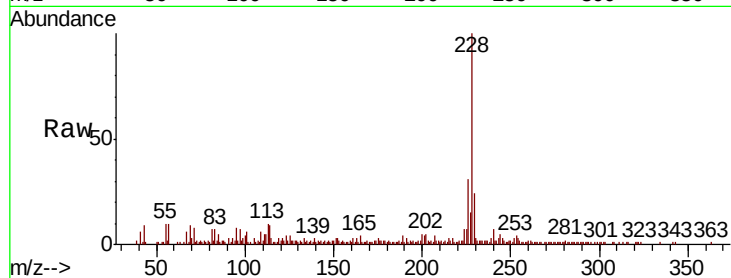




#83
Chrysene
Concen: 2.911 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BF119174.D
Acq: 2 Mar 2020 17:53

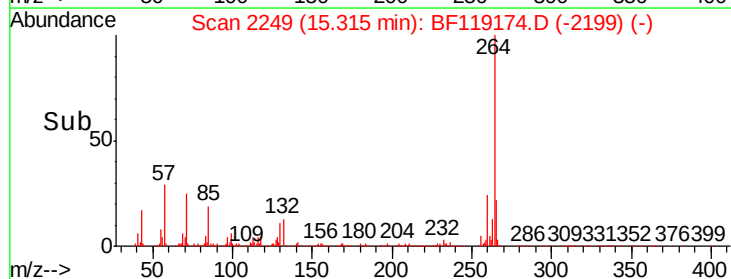
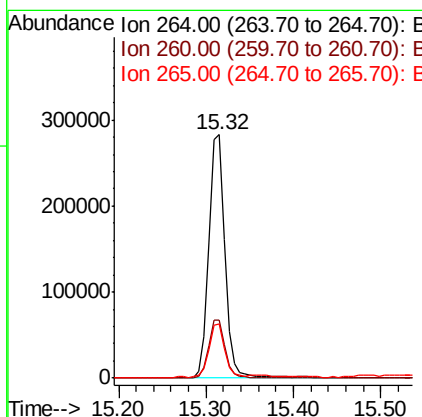
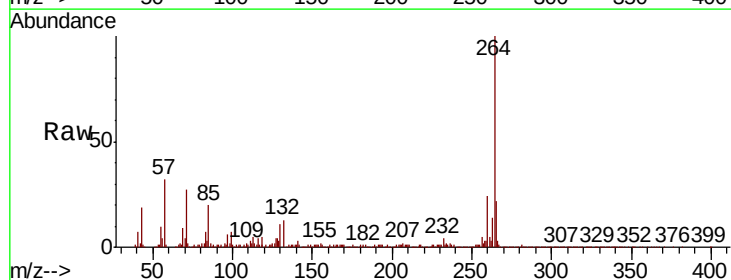
Instrument :
BNA_F
ClientSampleId :

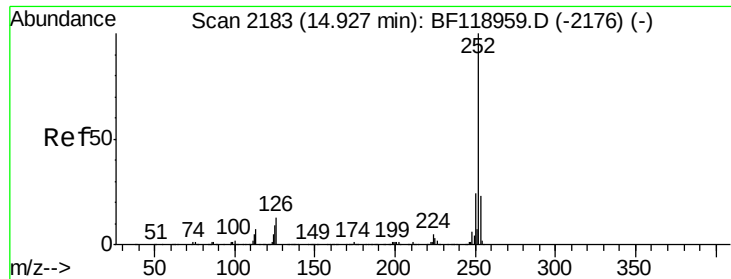
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.1	37.7
229	23.9	16.3	24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF119174.D
Acq: 2 Mar 2020 17:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.1	17.7	26.5

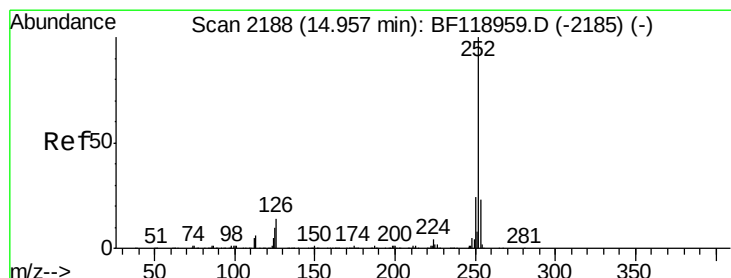
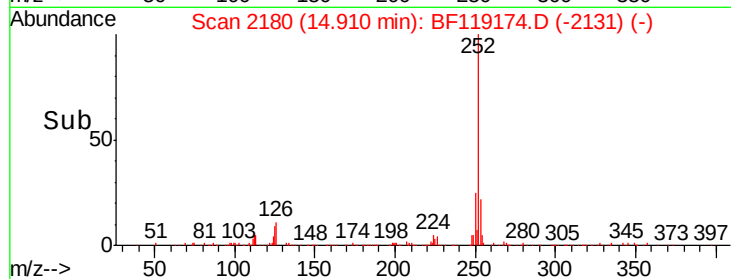
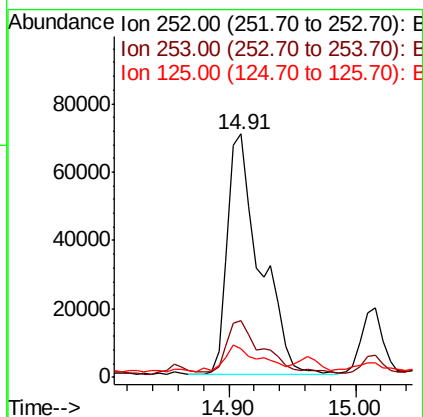
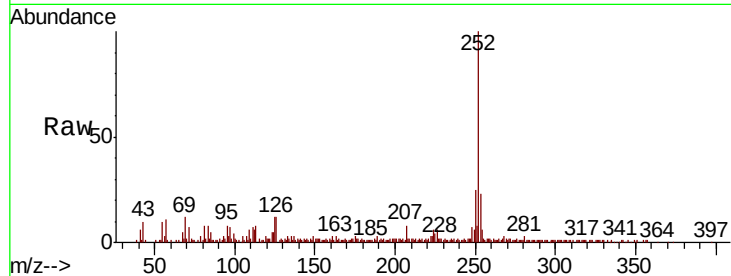




#88
Benzo(b)fluoranthene
Concen: 5.225 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF119174.D
Acq: 2 Mar 2020 17:53

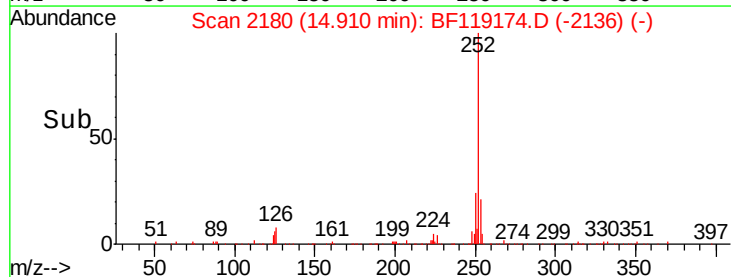
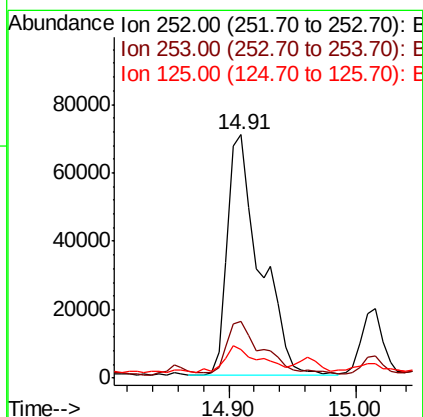
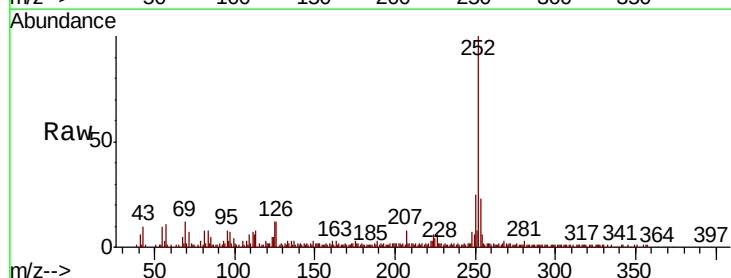
Instrument :
BNA_F
ClientSampleId :

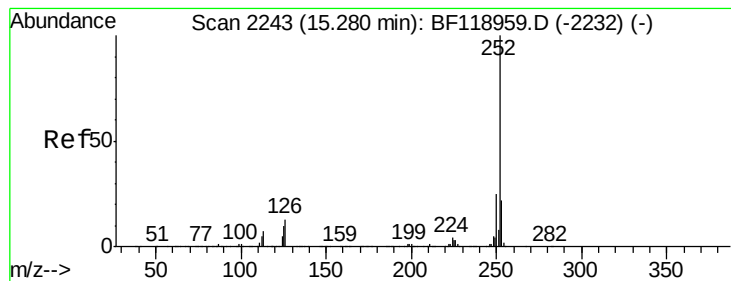
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	11.7	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 5.638 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BF119174.D
Acq: 2 Mar 2020 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	11.7	7.5	11.3





#90
 Benzo(a)pyrene
 Concen: 2.076 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: BF119174.D
 Acq: 2 Mar 2020 17:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	14.2	8.6	12.8

