

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119305.D
 Acq On : 10 Mar 2020 1:53
 Operator : CG/JU
 Sample : L1778-23
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 03:04:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	105926	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	399738	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	216040	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	362754	20.00	ng	0.00
76) Chrysene-d12	13.89	240	263202	20.00	ng	0.00
87) Perylene-d12	15.32	264	266263	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	570176	89.96	ng	0.00
7) Phenol-d6	6.38	99	701093	90.95	ng	0.00
23) Nitrobenzene-d5	7.29	82	442444	58.44	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	217955	77.12	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	883237	60.23	ng	0.00
79) Terphenyl-d14	12.82	244	882039	57.70	ng	0.00

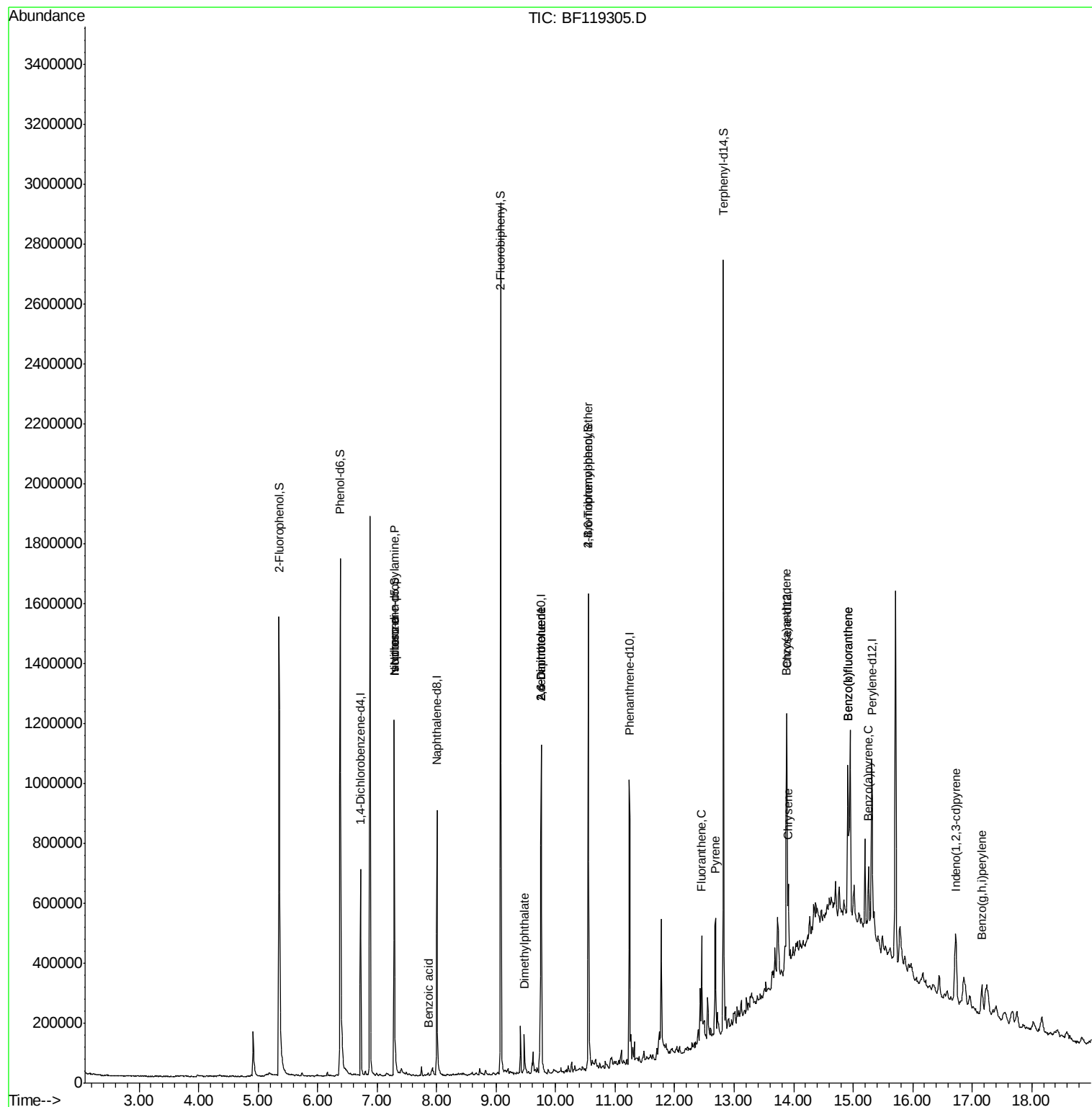
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	62208	13.849	ng	# 75
25) Isophorone	7.29	82	442444	33.650	ng	# 63
32) Benzoic acid	7.85	122	1718	7.057	ng	# 72
50) Dimethylphthalate	9.47	163	54885	3.322	ng	99
51) 2,6-Dinitrotoluene	9.76	165	28715	7.824	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	28715	6.036	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	14679	3.096	ng	# 1
75) Fluoranthene	12.46	202	133427	6.354	ng	99
78) Pyrene	12.69	202	171937	8.135	ng	97
81) Benzo(a)anthracene	13.87	228	106760	5.953	ng	98
83) Chrysene	13.91	228	128669	7.201	ng	99
86) Indeno(1,2,3-cd)pyrene	16.73	276	93213	5.387	ng	95
88) Benzo(b)fluoranthene	14.91	252	374607	21.344	ng	99
89) Benzo(k)fluoranthene	14.91	252	374607	23.032	ng	98
90) Benzo(a)pyrene	15.26	252	120063	7.580	ng	95
92) Benzo(g,h,i)perylene	17.16	276	80855	5.872	ng	94

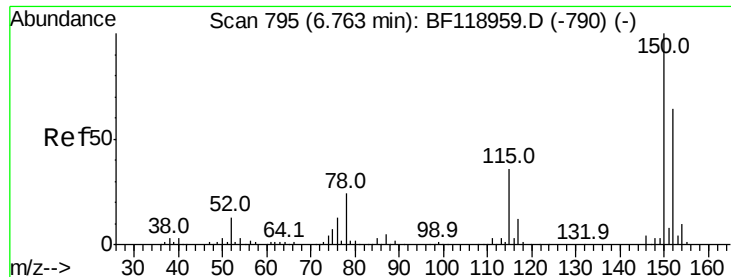
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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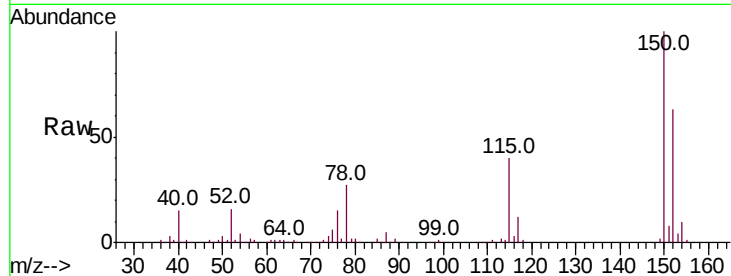


#1

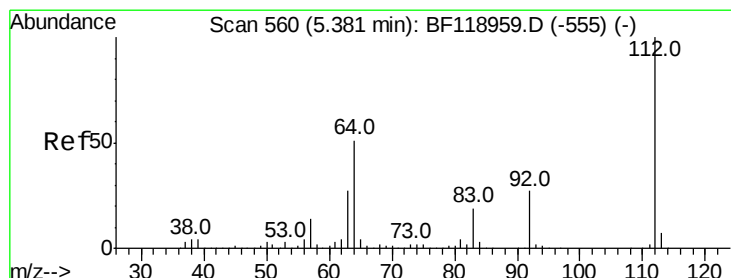
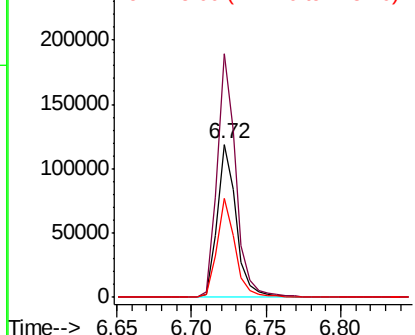
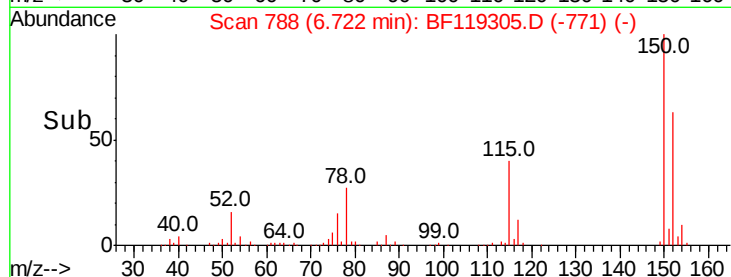
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF119305.D
Acq: 10 Mar 2020 1:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 105926
Ion Ratio Lower Upper
152 100
150 158.8 123.0 184.6
115 64.2 49.5 74.3



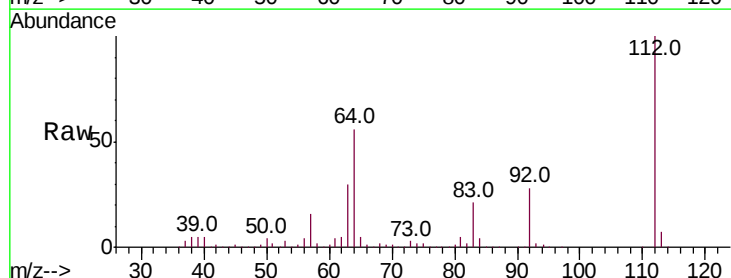
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



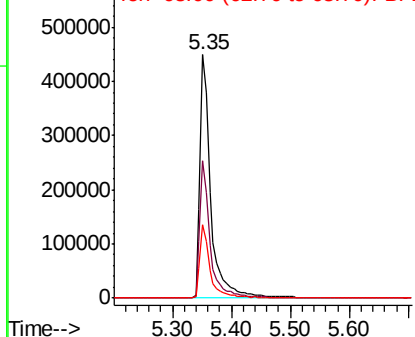
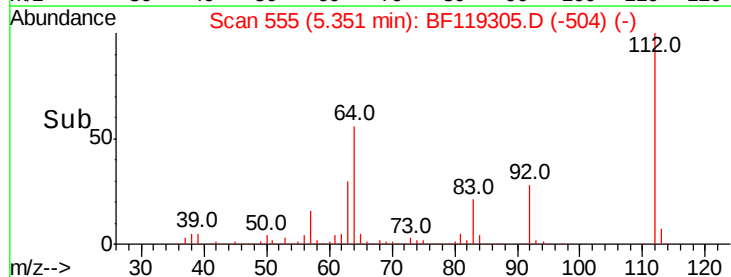
#5

2-Fluorophenol
Concen: 89.956 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF119305.D
Acq: 10 Mar 2020 1:53

Tgt Ion:112 Resp: 570176
Ion Ratio Lower Upper
112 100
64 56.2 45.0 67.4
63 30.0 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: 90.949 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

Instrument :

BNA_F

ClientSampleId :

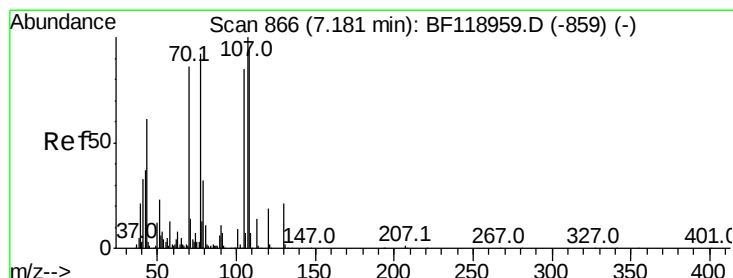
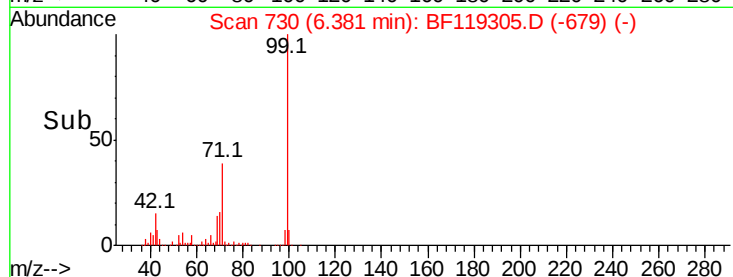
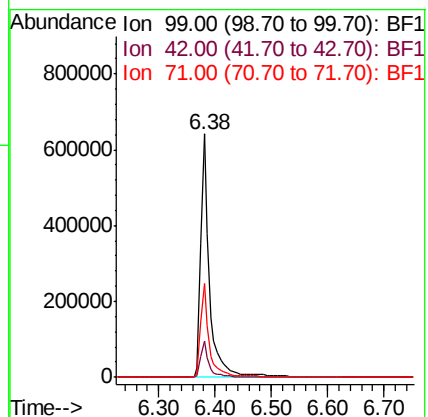
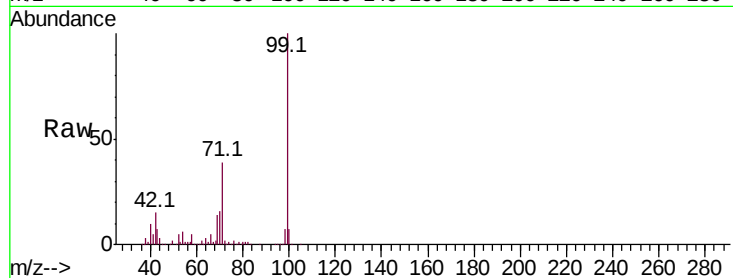
Tot Ion: 99 Resp: 701093

Ion Ratio Lower Upper

99 100

42 14.7 12.6 18.8

71 38.7 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.849 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

Tgt Ion: 70 Resp: 62208

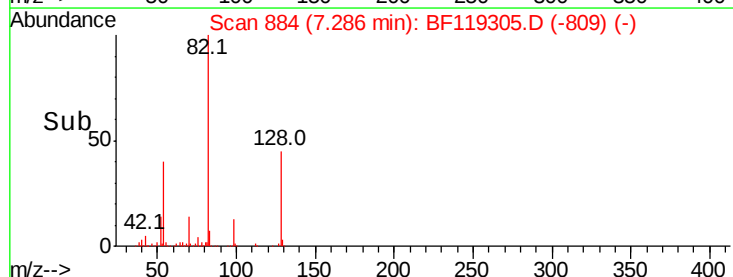
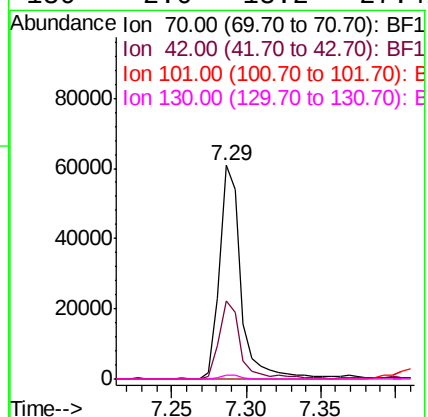
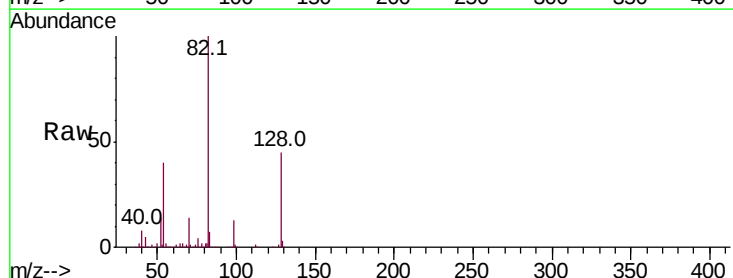
Ion Ratio Lower Upper

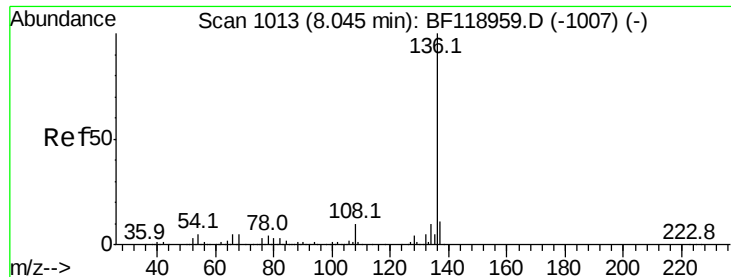
70 100

42 36.7 38.0 57.0#

101 0.0 8.2 12.4#

130 2.0 18.2 27.4#

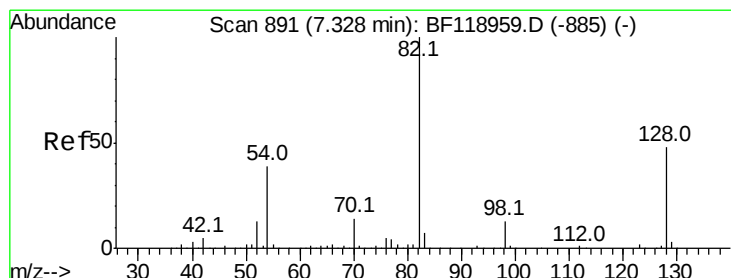
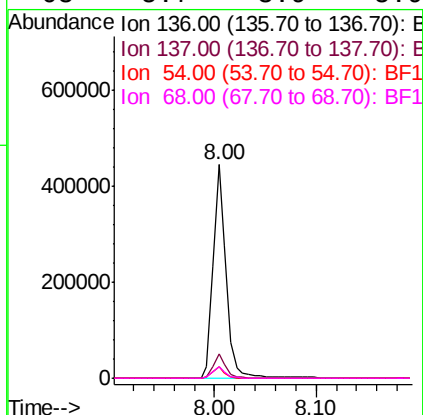
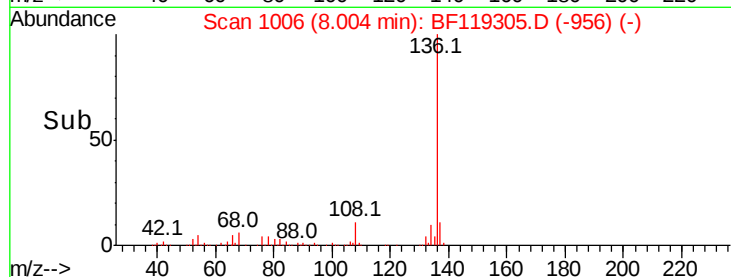
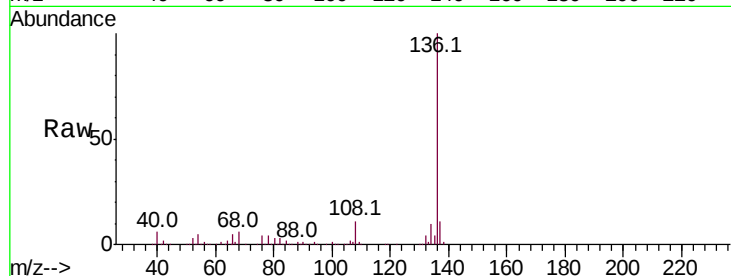




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119305.D
Acq: 10 Mar 2020 1:53

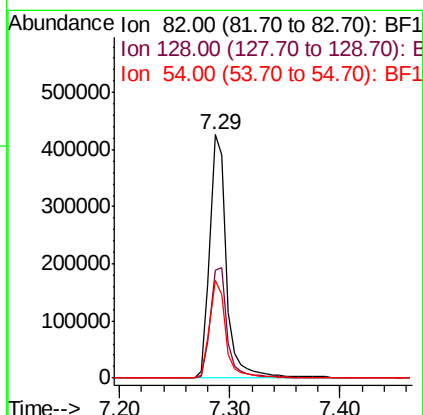
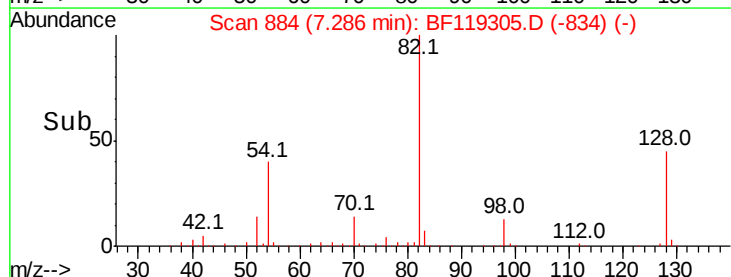
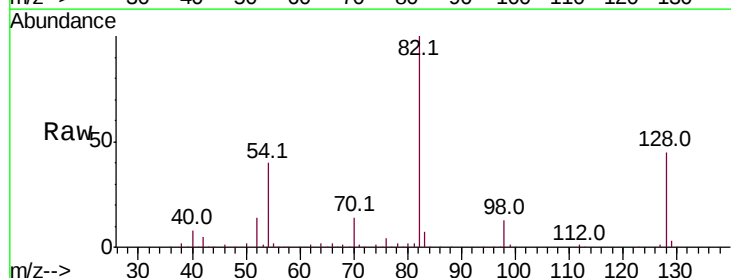
Instrument :
BNA_F
ClientSampleId :

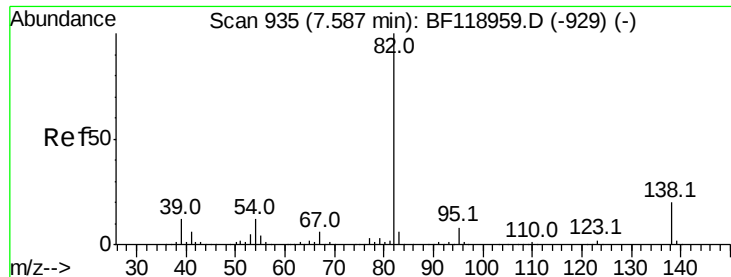
Tot Ion:	136	Resp:	399738
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	5.2	3.8	5.6
68	5.7	3.9	5.9



#23
Nitrobenzene-d5
Concen: 58.441 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF119305.D
Acq: 10 Mar 2020 1:53

Tgt Ion:	82	Resp:	442444
Ion	Ratio	Lower	Upper
82	100		
128	44.5	37.9	56.9
54	40.3	33.4	50.2





#25

Isophorone

Concen: 33.650 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

Instrument :

BNA_F

ClientSampleId :

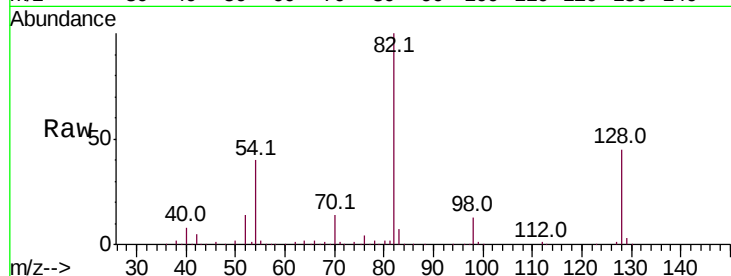
Tot Ion: 82 Resp: 442444

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

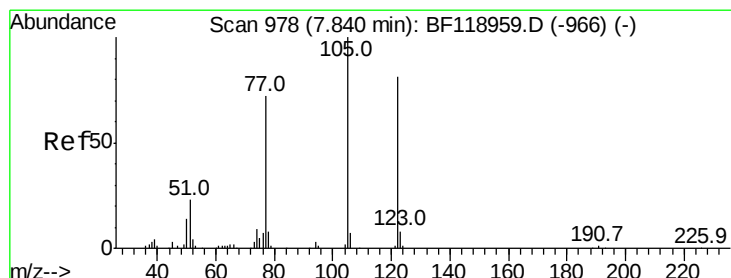
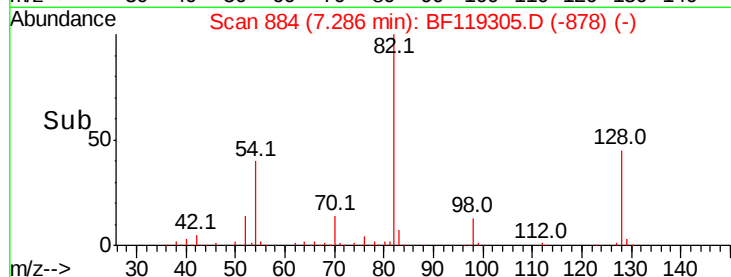
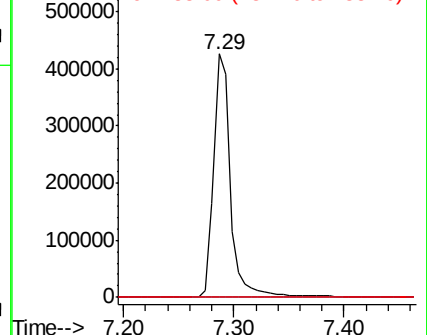
138 0.0 15.7 23.5#



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: 7.057 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.01 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

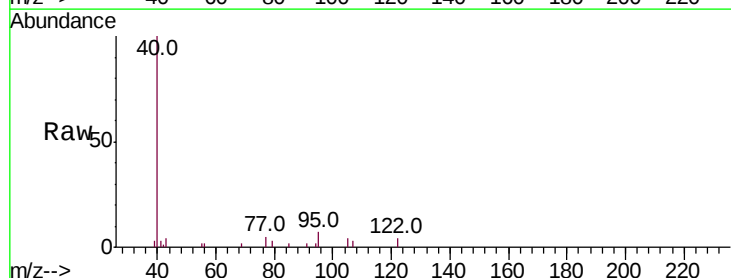
Tgt Ion:122 Resp: 1718

Ion Ratio Lower Upper

122 100

105 99.8 106.3 146.3#

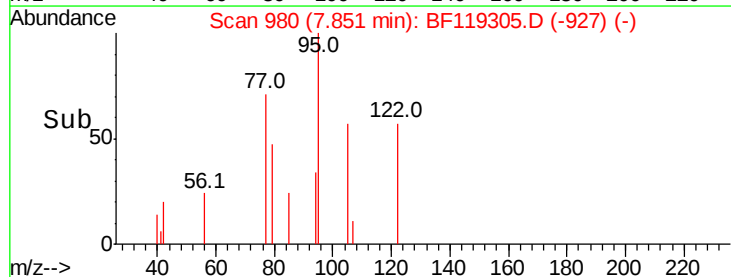
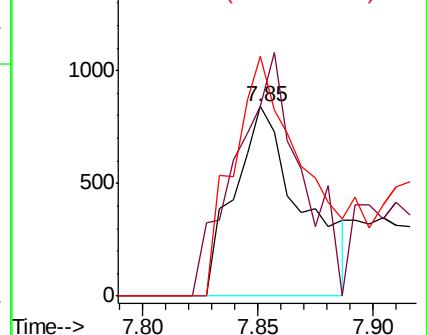
77 126.1 73.1 113.1#

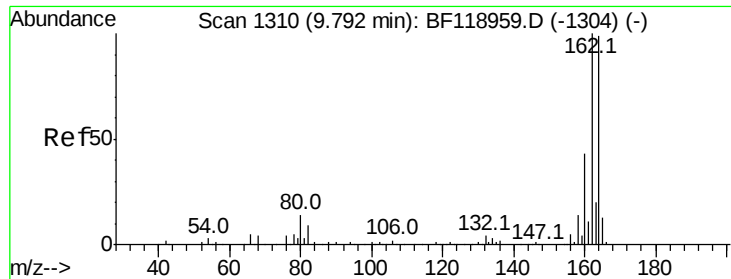


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

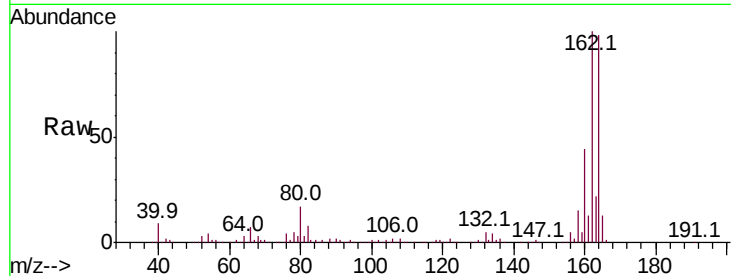




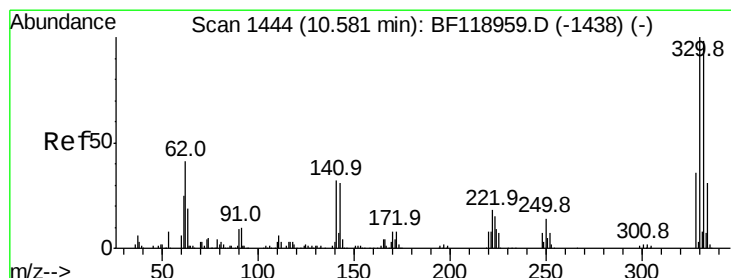
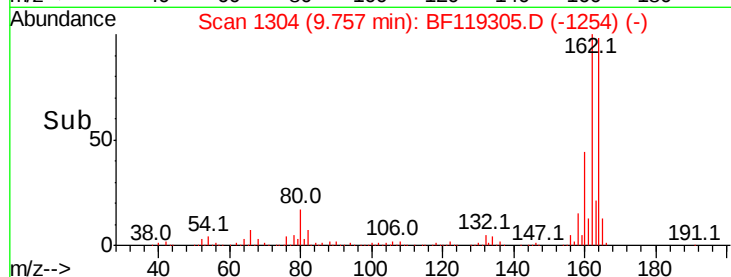
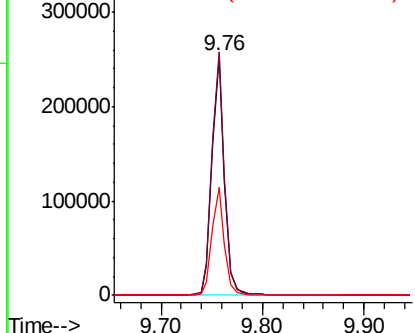
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119305.D
 Acq: 10 Mar 2020 1:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 216040
 Ion Ratio Lower Upper
 164 100
 162 102.1 81.8 122.8
 160 45.0 36.0 54.0

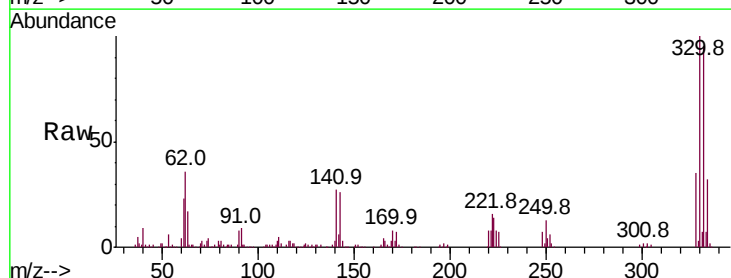


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

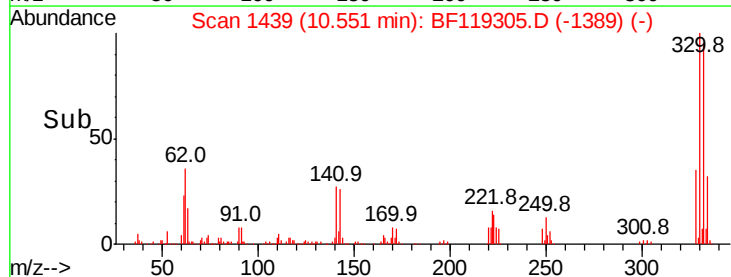
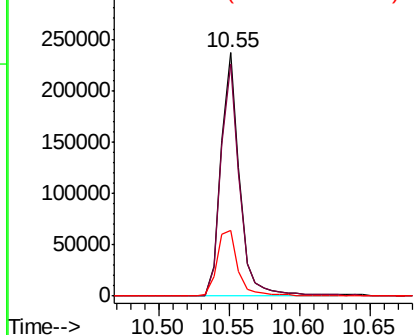


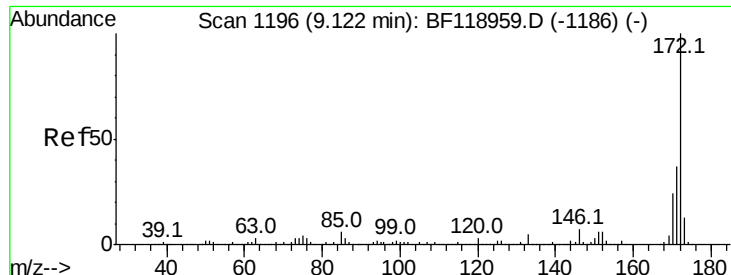
#42
 2,4,6-Tribromophenol
 Concen: 77.120 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119305.D
 Acq: 10 Mar 2020 1:53

Tgt Ion:330 Resp: 217955
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.0 114.0
 141 31.2 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

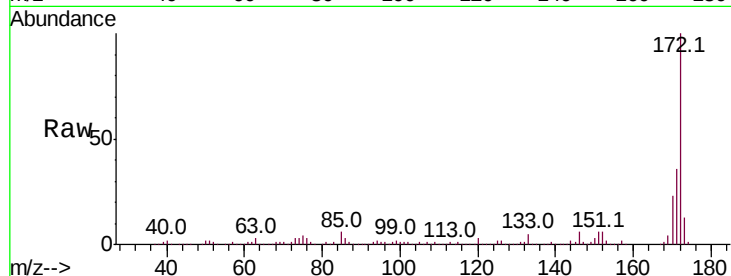




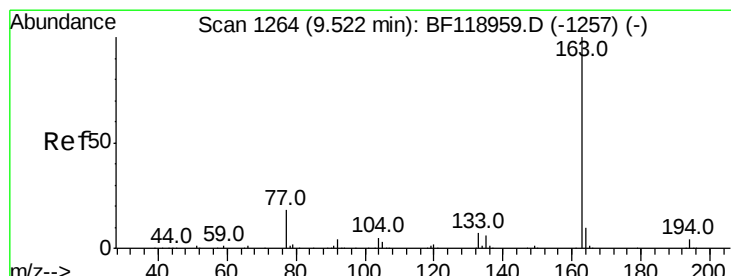
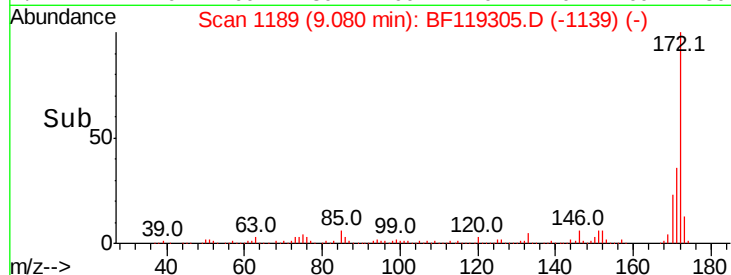
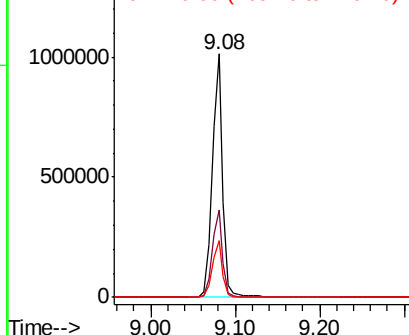
#45
 2-Fluorobiphenyl
 Concen: 60.228 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119305.D
 Acq: 10 Mar 2020 1:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 883237
 Ion Ratio Lower Upper
 172 100
 171 35.8 30.6 45.8
 170 23.4 20.2 30.2

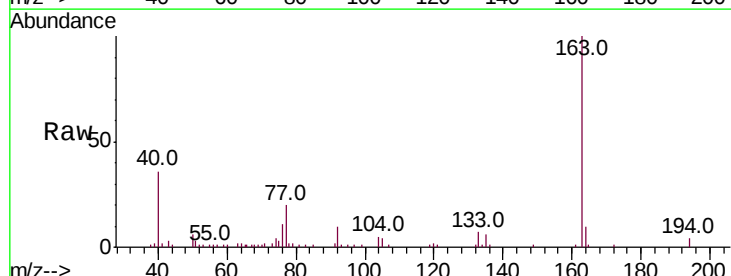


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

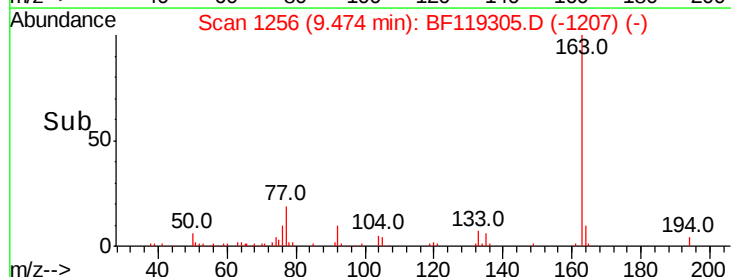
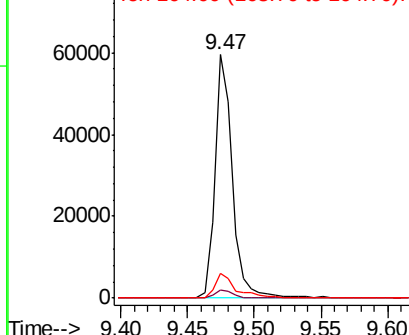


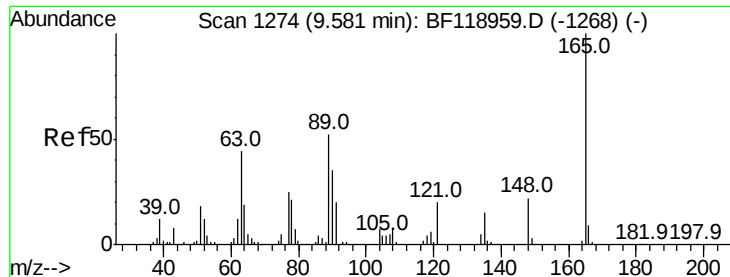
#50
 Dimethylphthalate
 Concen: 3.322 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: BF119305.D
 Acq: 10 Mar 2020 1:53

Tgt Ion:163 Resp: 54885
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.5 5.3
 164 10.3 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





#51

2,6-Dinitrotoluene

Concen: 7.824 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

Instrument :

BNA_F

ClientSampleId :

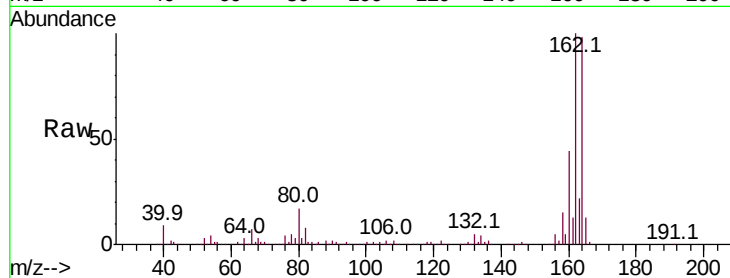
Tot Ion:165 Resp: 28715

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

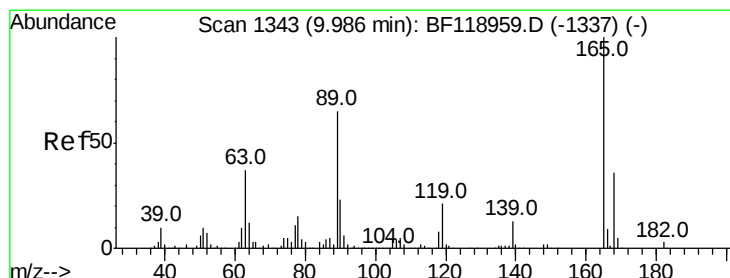
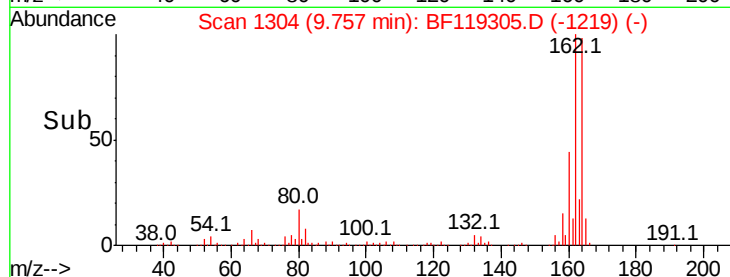
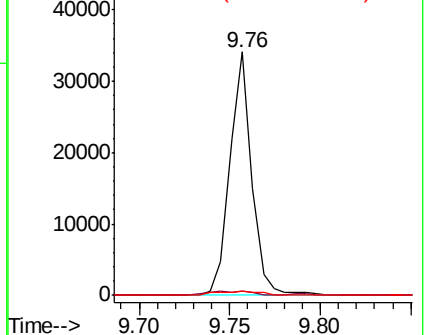
89 1.5 38.3 57.5#



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



#57

2,4-Dinitrotoluene

Concen: 6.036 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

Tgt Ion:165 Resp: 28715

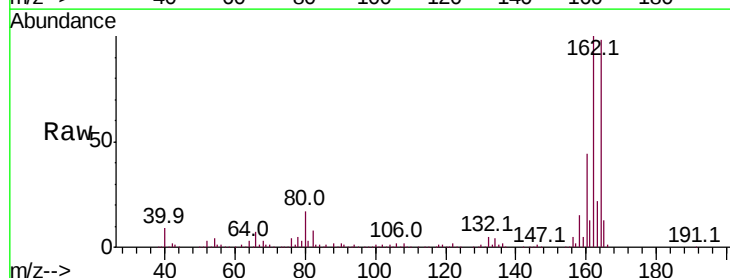
Ion Ratio Lower Upper

165 100

63 1.5 42.3 63.5#

89 1.5 60.2 90.4#

182 0.0 2.3 3.5#

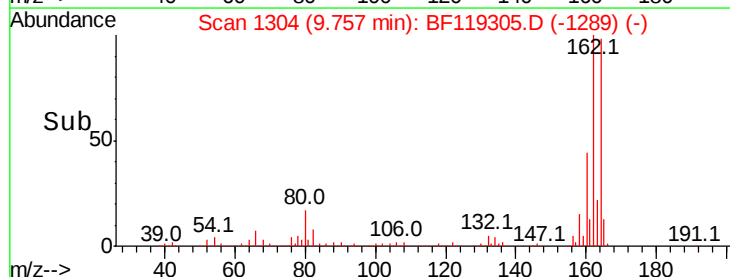
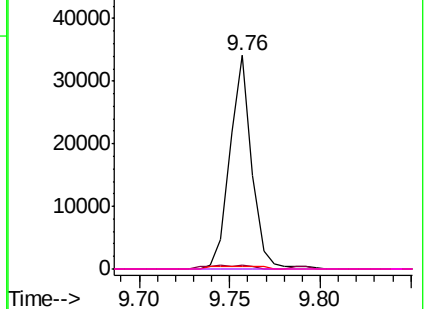


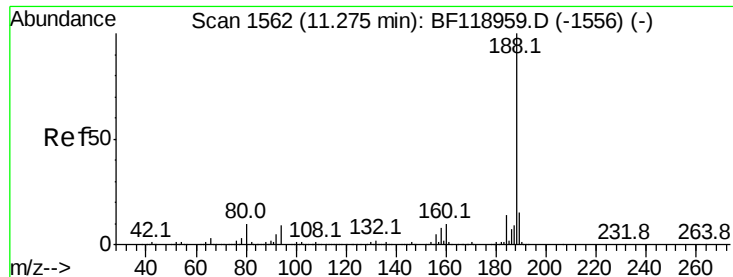
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

Instrument :

BNA_F

ClientSampleId :

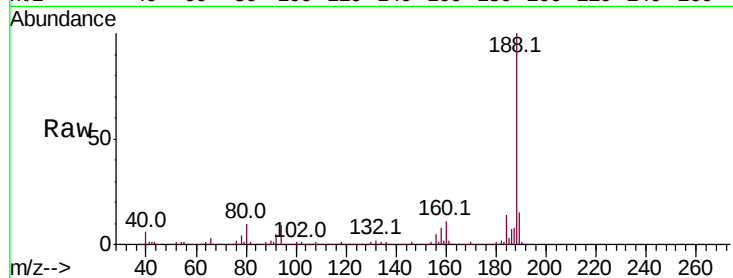
Tot Ion:188 Resp: 362754

Ion Ratio Lower Upper

188 100

94 9.0 7.1 10.7

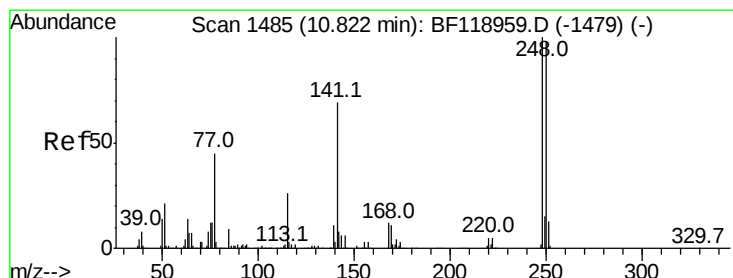
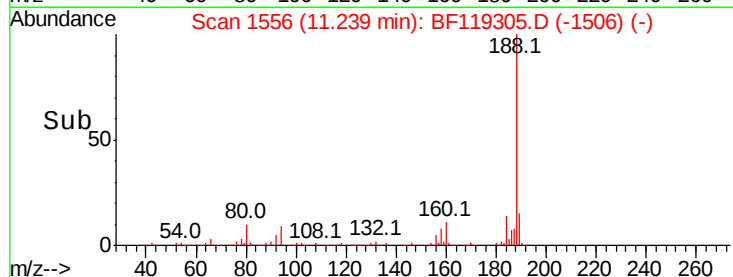
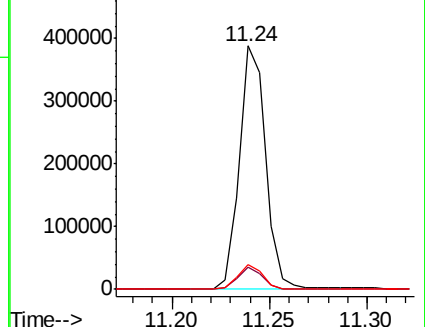
80 10.0 7.8 11.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.096 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

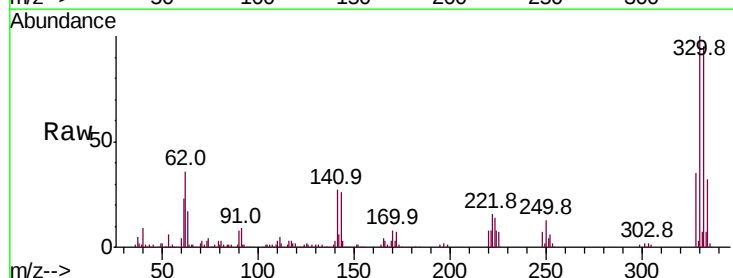
Tgt Ion:248 Resp: 14679

Ion Ratio Lower Upper

248 100

250 197.7 76.7 115.1#

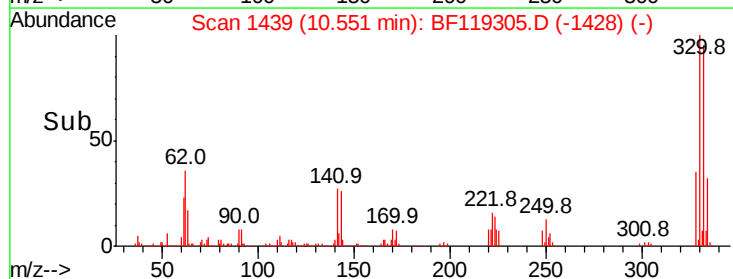
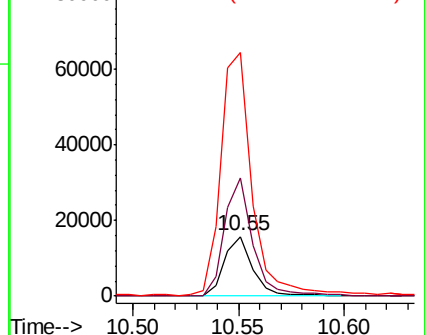
141 407.8 60.7 91.1#

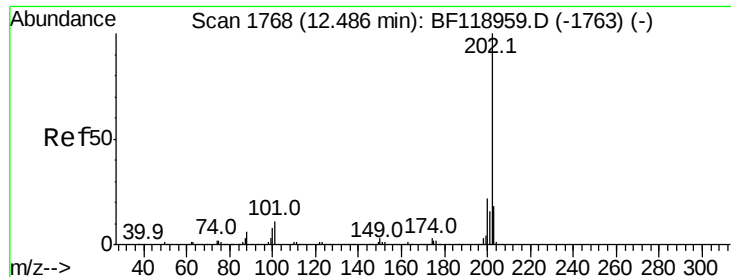


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 6.354 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

Instrument :

BNA_F

ClientSampleId :

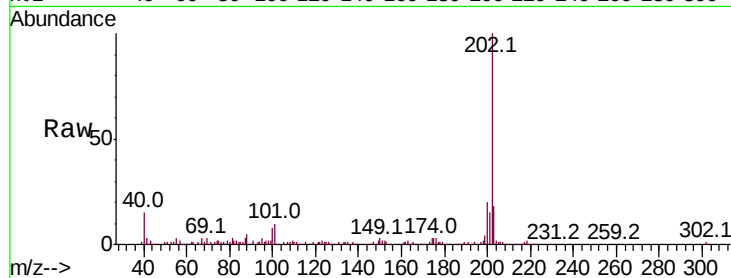
Tot Ion:202 Resp: 133427

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.3

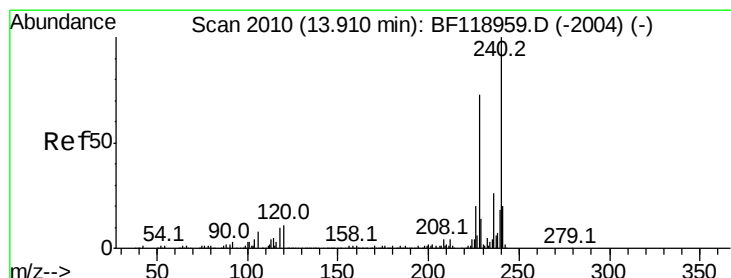
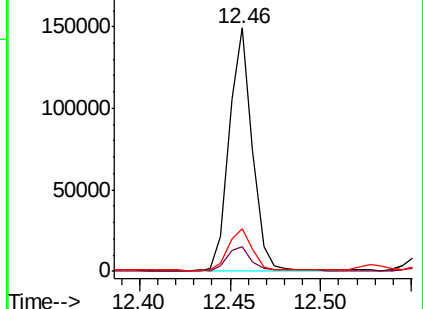
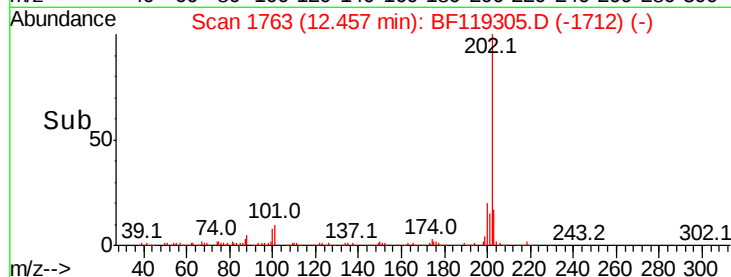
203 17.6 0.0 38.4



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. -0.00 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

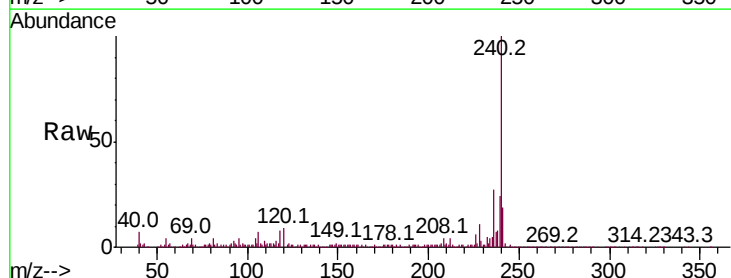
Tgt Ion:240 Resp: 263202

Ion Ratio Lower Upper

240 100

120 9.1 8.4 12.6

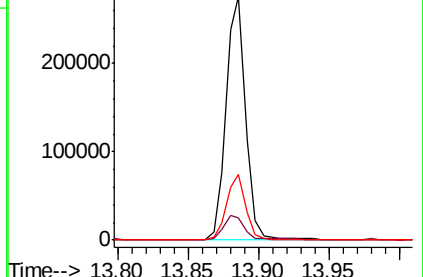
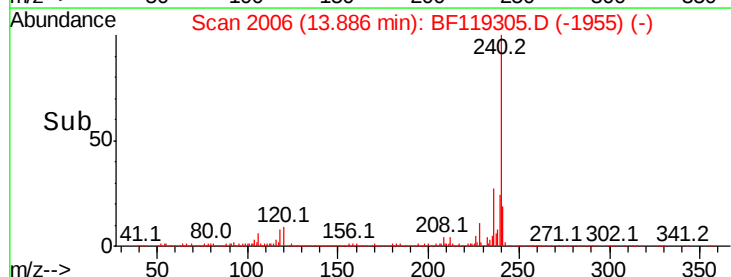
236 27.0 21.0 31.4

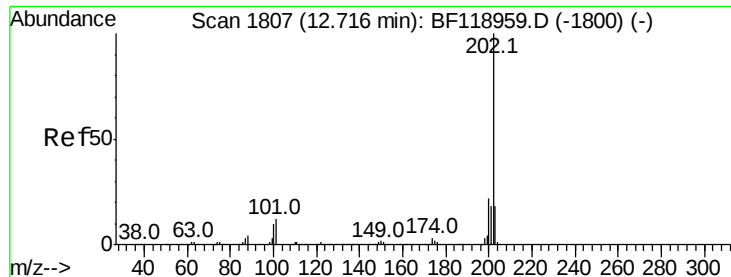


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.135 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.00 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

Instrument :

BNA_F

ClientSampleId :

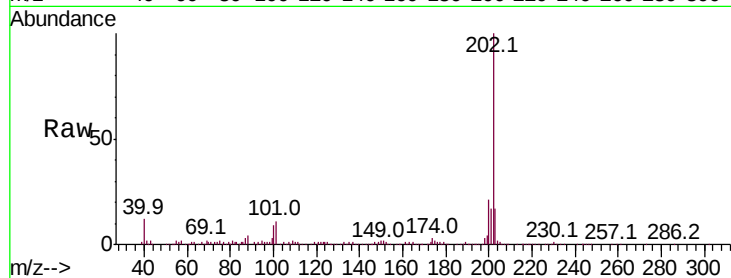
Tot Ion:202 Resp: 171937

Ion Ratio Lower Upper

202 100

200 20.7 18.0 27.0

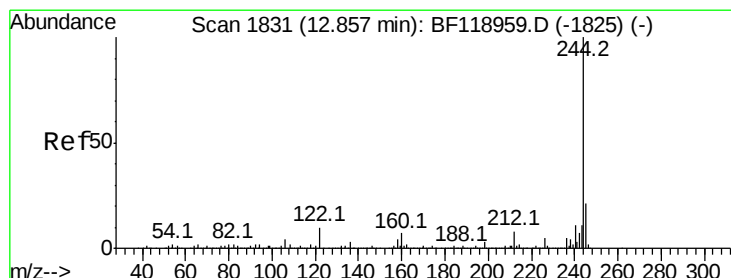
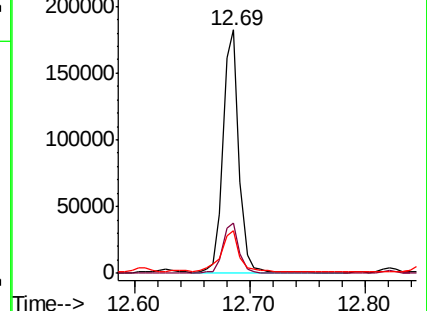
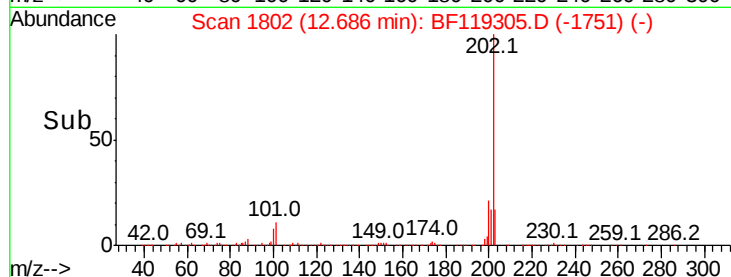
203 17.5 14.6 22.0



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: 57.697 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

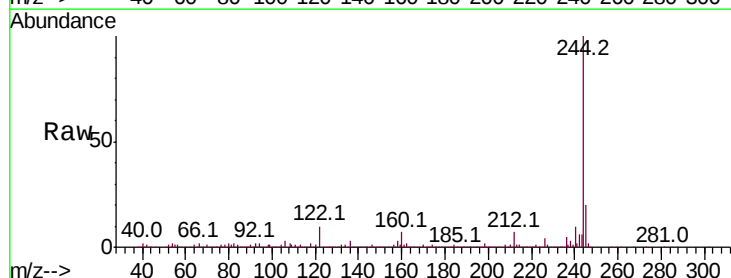
Tgt Ion:244 Resp: 882039

Ion Ratio Lower Upper

244 100

212 7.2 6.6 10.0

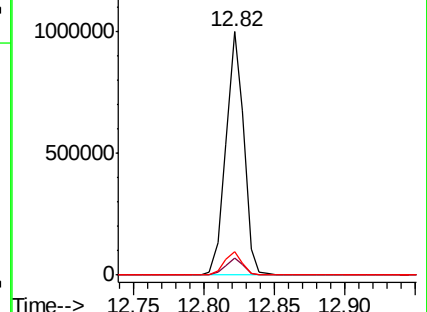
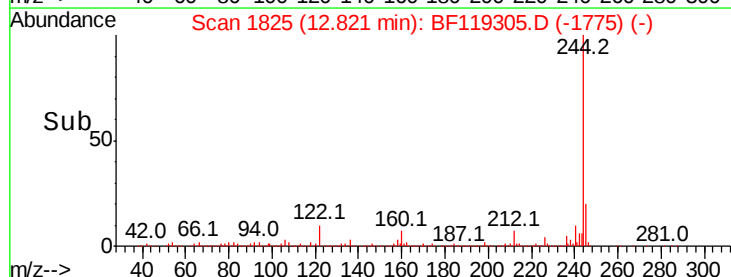
122 9.9 8.2 12.2

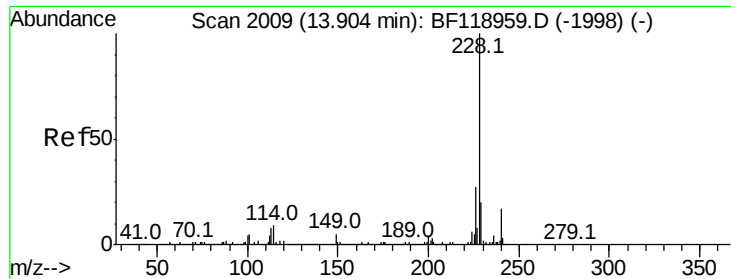


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

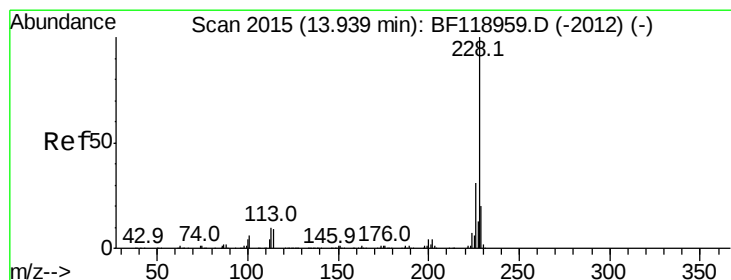
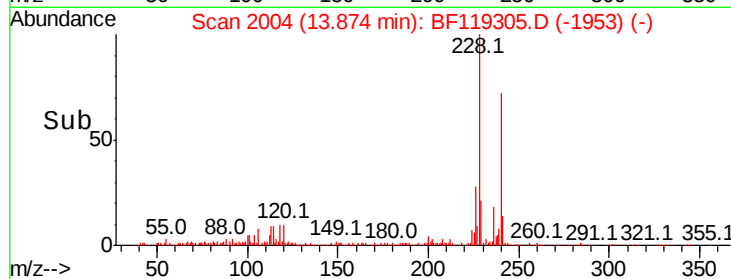
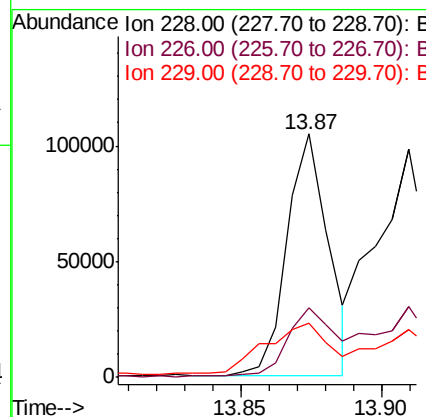
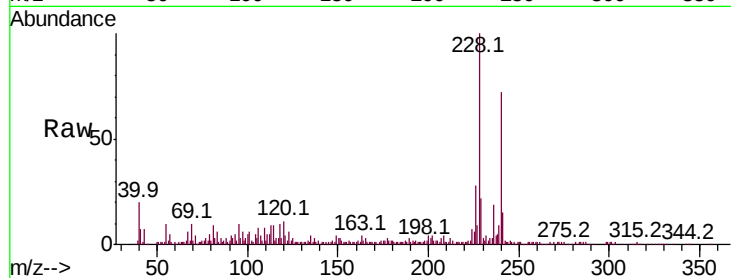




#81
Benzo(a)anthracene
Concen: 5.953 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF119305.D
Acq: 10 Mar 2020 1:53

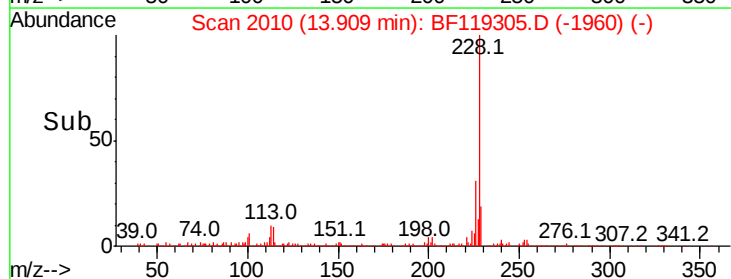
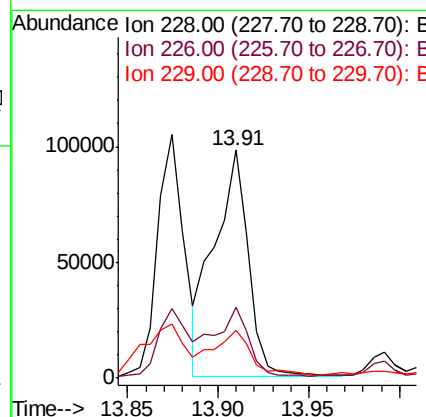
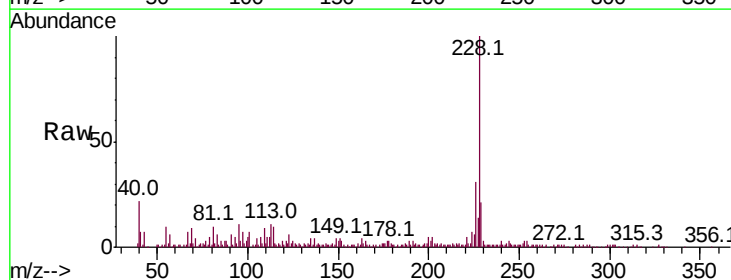
Instrument :
BNA_F
ClientSampleId :

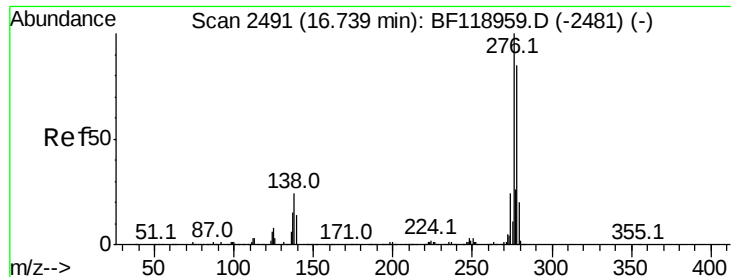
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	22.4	16.6	24.8



#83
Chrysene
Concen: 7.201 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF119305.D
Acq: 10 Mar 2020 1:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.1	37.7
229	20.9	16.3	24.5

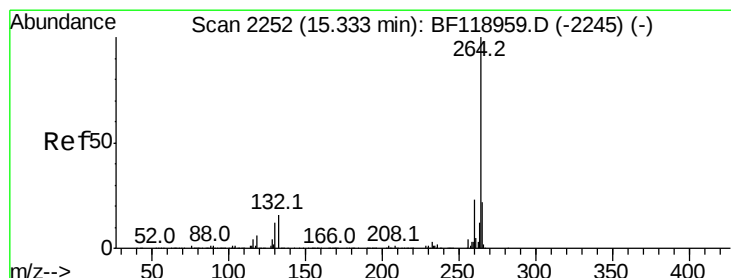
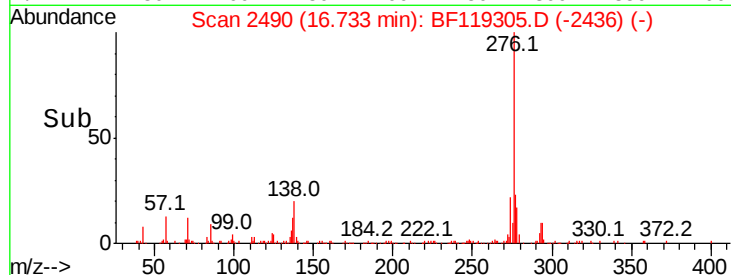
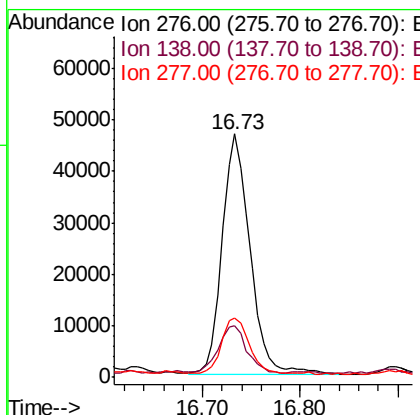
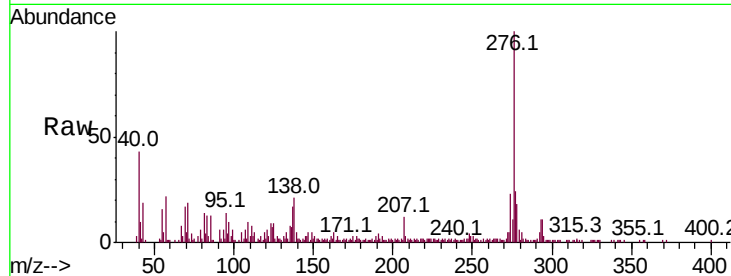




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.387 ng
 RT: 16.73 min Scan# 2490
 Delta R.T. 0.02 min
 Lab File: BF119305.D
 Acq: 10 Mar 2020 1:53

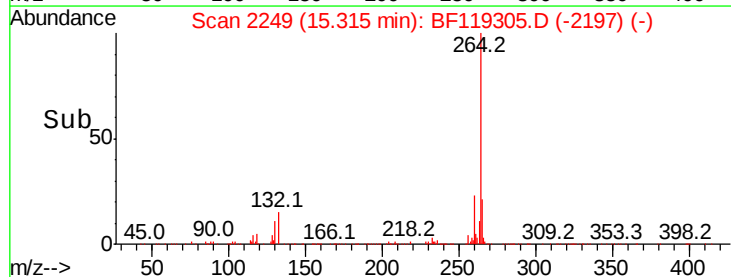
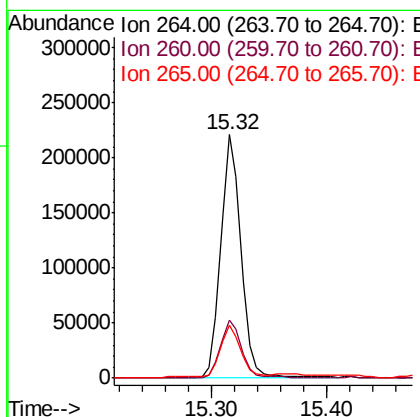
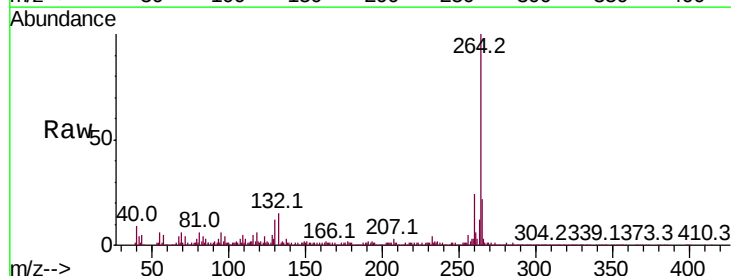
Instrument :
 BNA_F
 ClientSampleId :

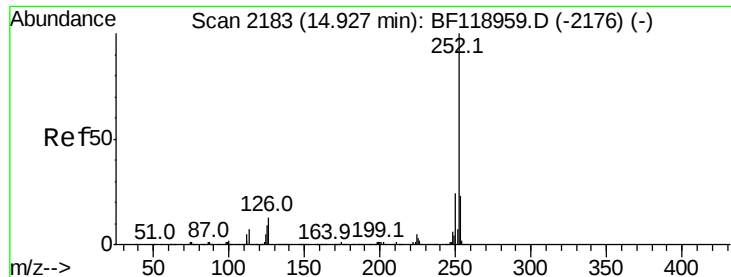
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	17.4	26.0
277	22.5	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BF119305.D
 Acq: 10 Mar 2020 1:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.8	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 21.344 ng

RT: 14.91 min Scan# 2180

Delta R.T. 0.01 min

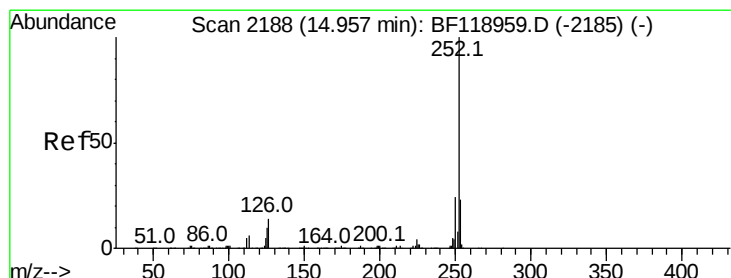
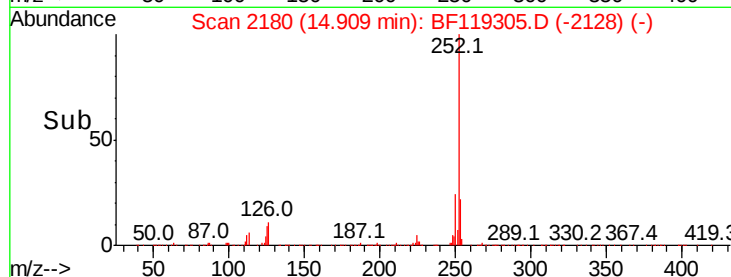
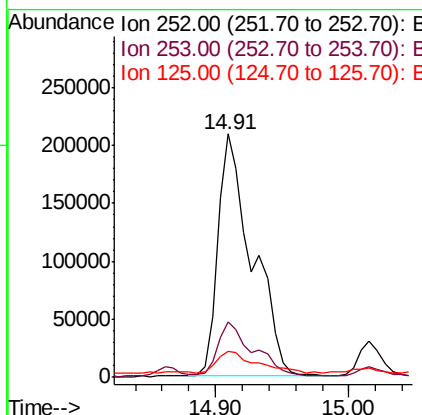
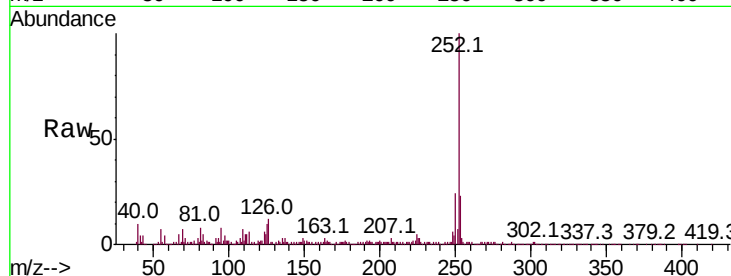
Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 374607

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	10.5	7.4	11.0



#89

Benzo(k)fluoranthene

Concen: 23.032 ng

RT: 14.91 min Scan# 2180

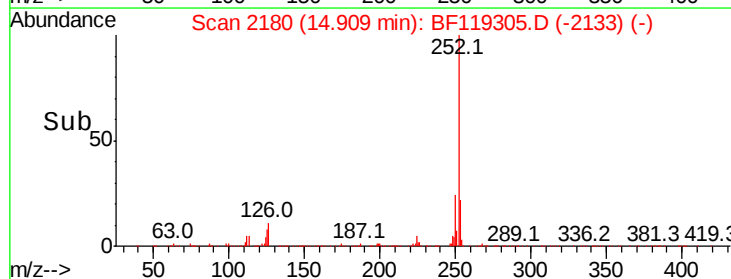
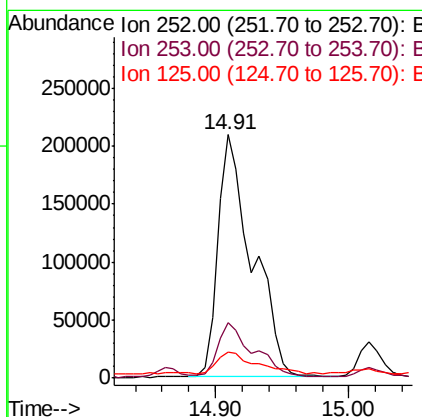
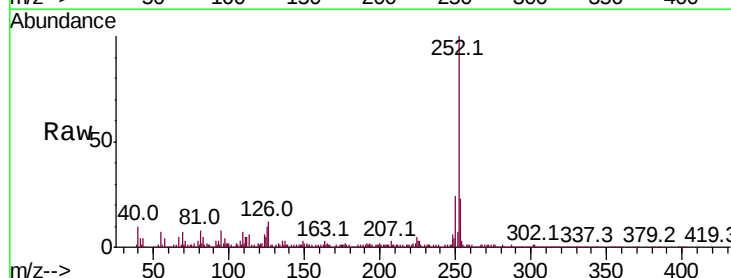
Delta R.T. -0.02 min

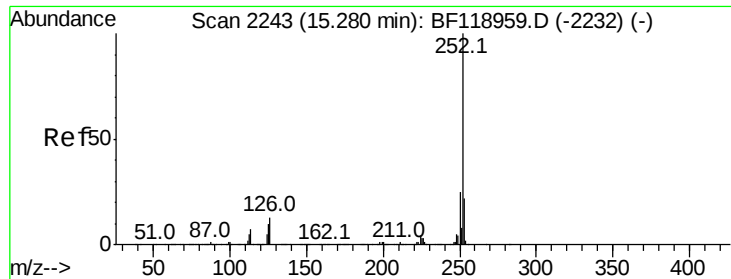
Lab File: BF119305.D

Acq: 10 Mar 2020 1:53

Tgt Ion:252 Resp: 374607

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	10.5	7.5	11.3

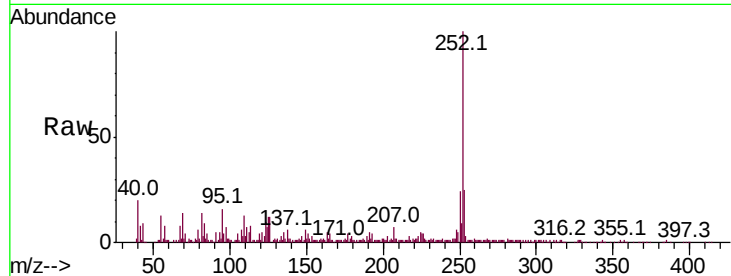




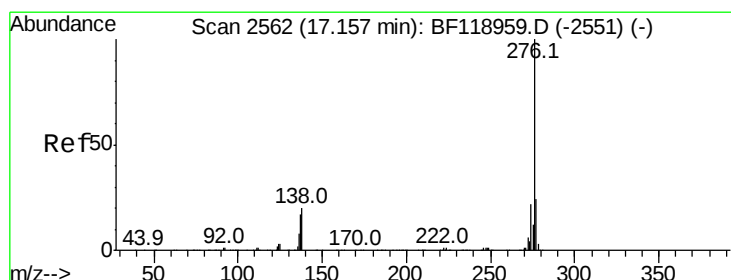
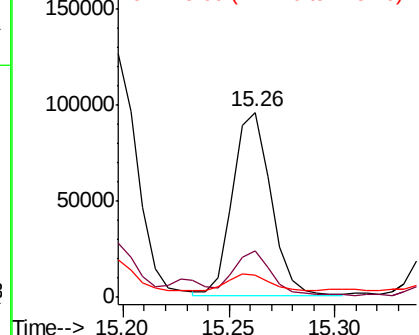
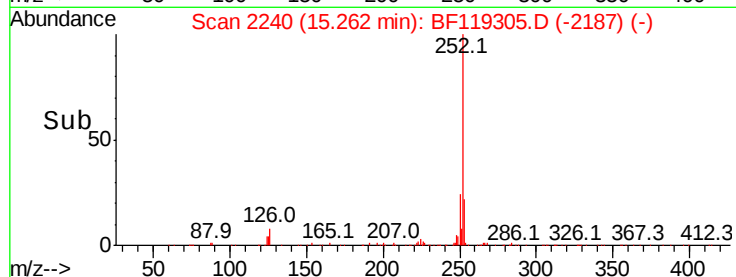
#90
Benzo(a)pyrene
Concen: 7.580 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119305.D
Acq: 10 Mar 2020 1:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	11.9	8.6	12.8

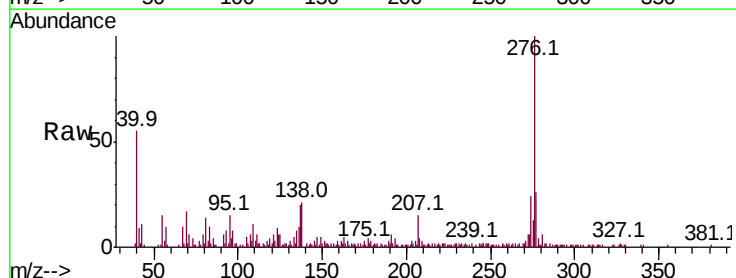


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.872 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.02 min
Lab File: BF119305.D
Acq: 10 Mar 2020 1:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.7	28.1
138	21.2	14.3	21.5



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

