

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119302.D
 Acq On : 10 Mar 2020 00:24
 Operator : CG/JU
 Sample : L1778-21
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 00:59:22 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	108464	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	403664	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	209087	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	342302	20.00	ng	0.00
76) Chrysene-d12	13.88	240	245476	20.00	ng	0.00
87) Perylene-d12	15.31	264	311301	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	516548	79.59	ng	0.00
7) Phenol-d6	6.38	99	631672	80.03	ng	0.00
23) Nitrobenzene-d5	7.29	82	424726	55.55	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	181861	66.49	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	821936	57.91	ng	0.00
79) Terphenyl-d14	12.82	244	742751	52.09	ng	0.00

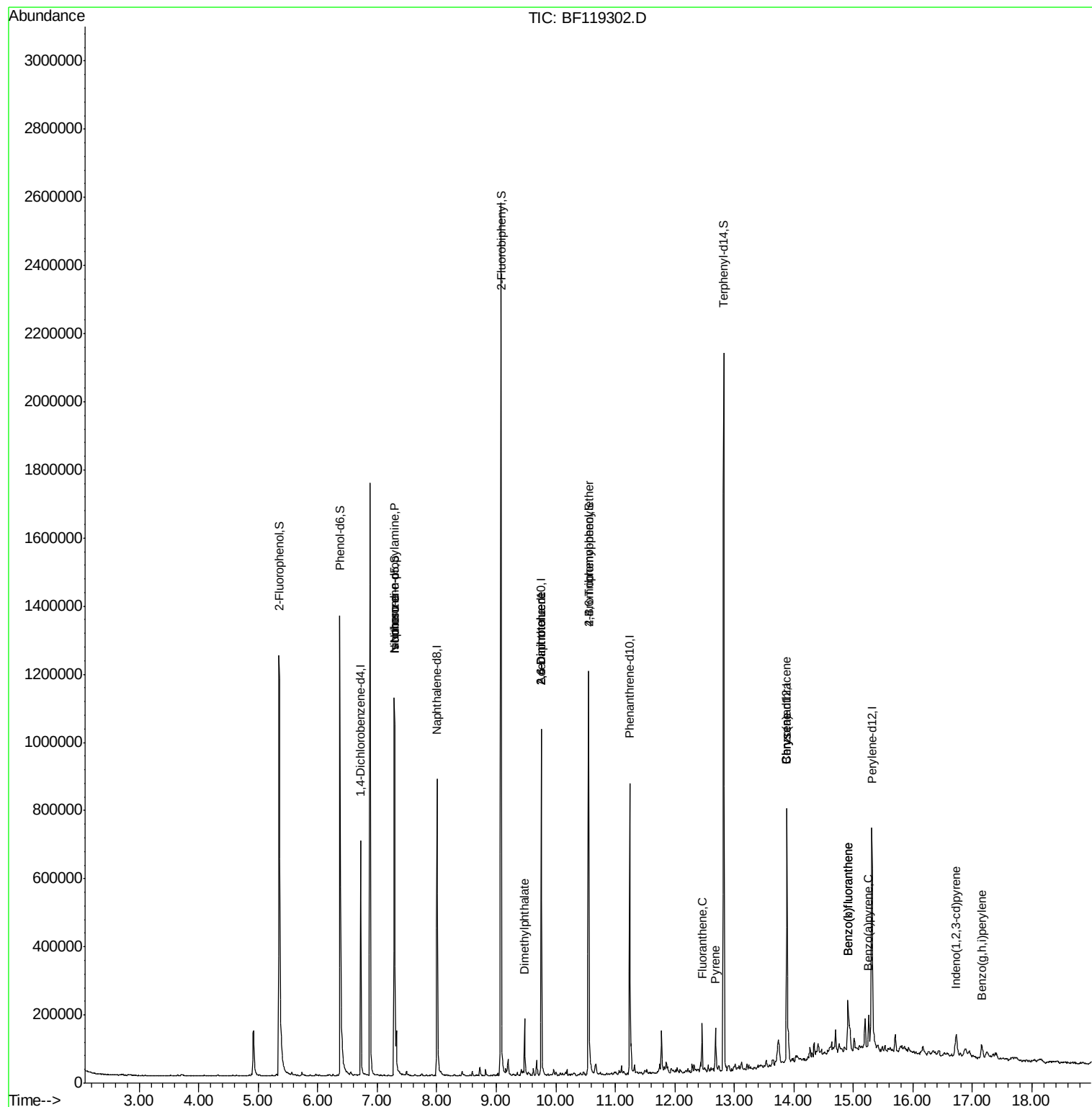
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	61547	13.381	ng	# 75
25) Isophorone	7.29	82	424726	31.989	ng	# 63
50) Dimethylphthalate	9.47	163	73893	4.622	ng	97
51) 2,6-Dinitrotoluene	9.76	165	27063	7.619	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	27063	5.878	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	11943	2.669	ng	# 1
75) Fluoranthene	12.46	202	53686	2.709	ng	98
78) Pyrene	12.69	202	53378	2.708	ng	96
81) Benzo(a)anthracene	13.87	228	35878	2.145	ng	96
83) Chrysene	13.87	228	35878	2.153	ng	96
86) Indeno(1,2,3-cd)pyrene	16.73	276	34785	2.156	ng	96
88) Benzo(b)fluoranthene	14.91	252	100942	4.919	ng	99
89) Benzo(k)fluoranthene	14.91	252	100942	5.308	ng	99
90) Benzo(a)pyrene	15.26	252	46273	2.499	ng	99
92) Benzo(a,h,i)perylene	17.16	276	34465	2.141	ng	95

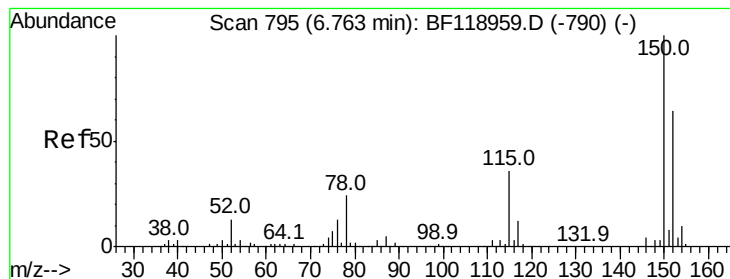
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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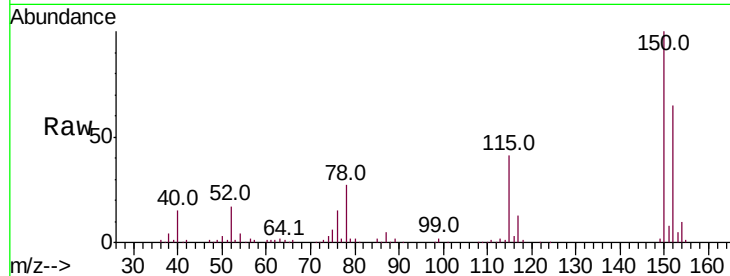


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF119302.D
Acq: 10 Mar 2020 00:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.0	184.6
115	63.1	49.5	74.3

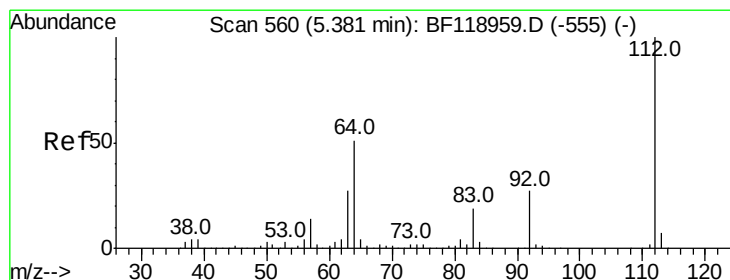
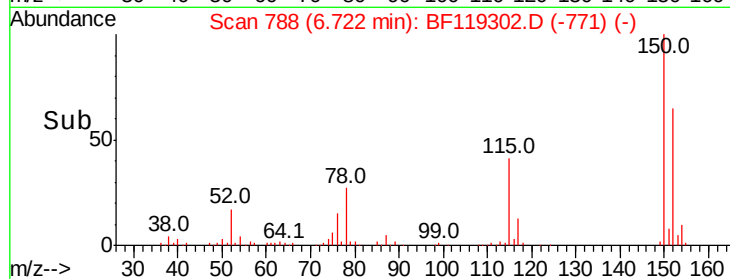
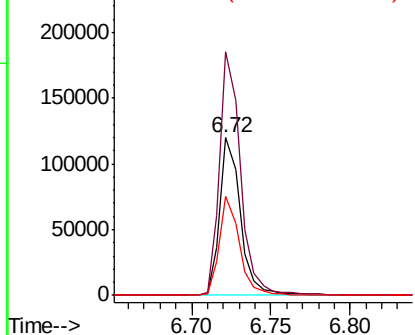


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

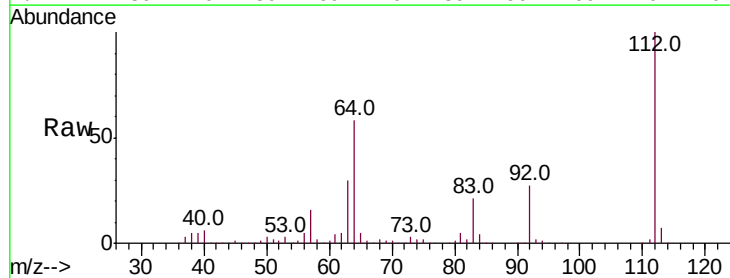
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.588 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF119302.D
Acq: 10 Mar 2020 00:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	45.0	67.4
63	30.2	24.2	36.4

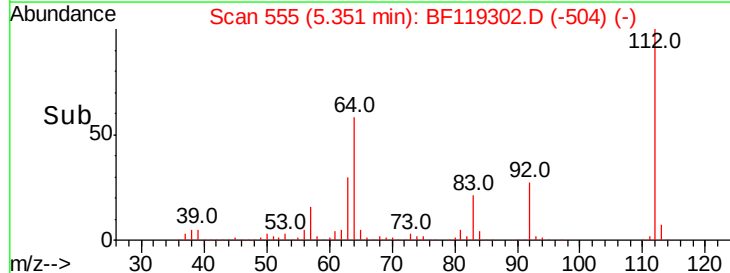
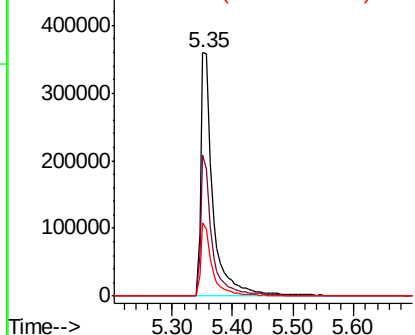


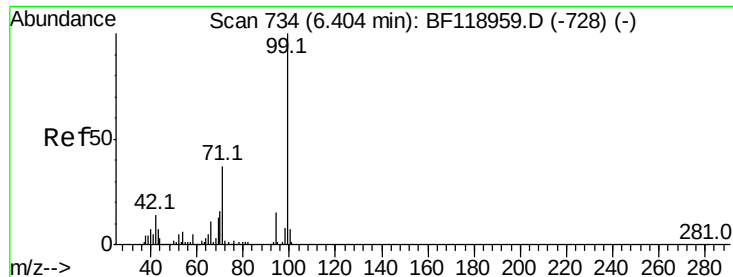
Abundance

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: 80.026 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF119302.D

Acq: 10 Mar 2020 00:24

Instrument :

BNA_F

ClientSampleId :

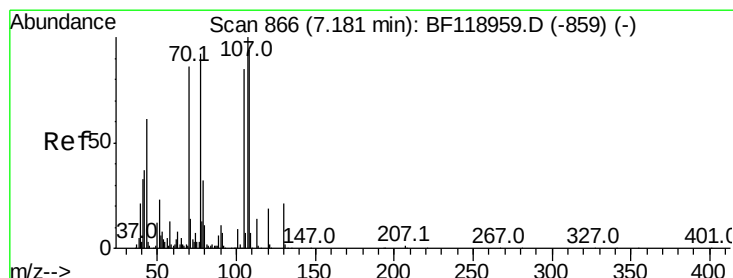
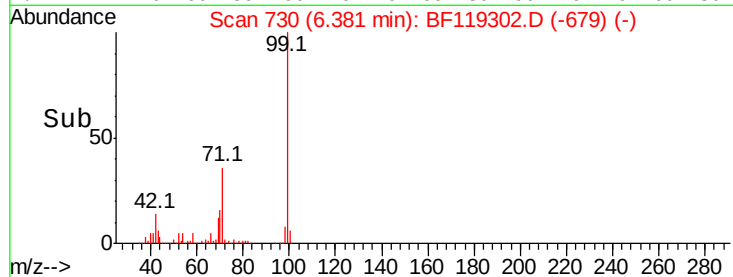
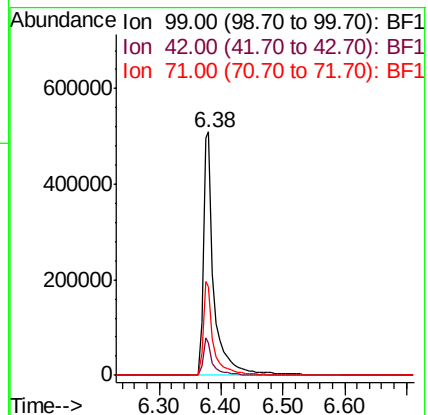
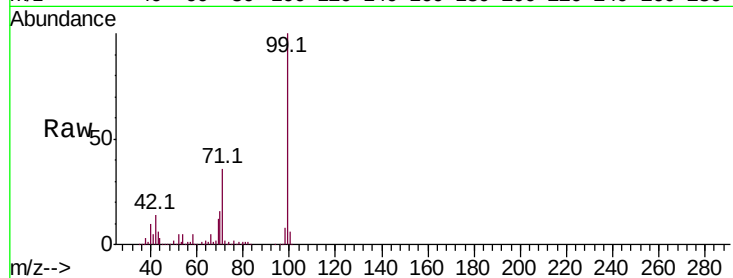
Tot Ion: 99 Resp: 631672

Ion Ratio Lower Upper

99 100

42 13.5 12.6 18.8

71 36.4 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.381 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF119302.D

Acq: 10 Mar 2020 00:24

Tgt Ion: 70 Resp: 61547

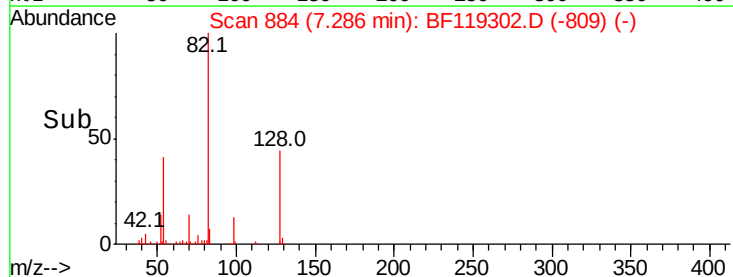
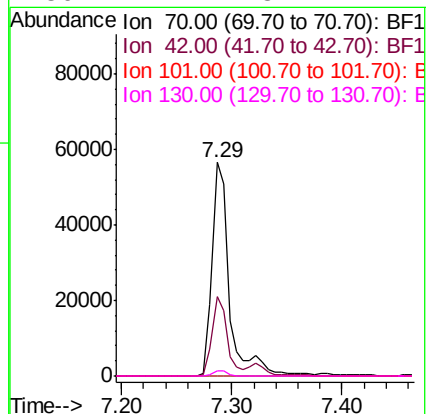
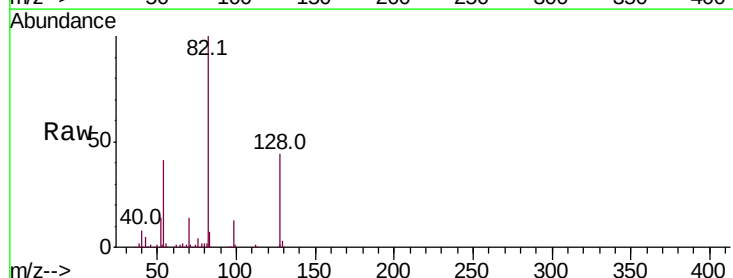
Ion Ratio Lower Upper

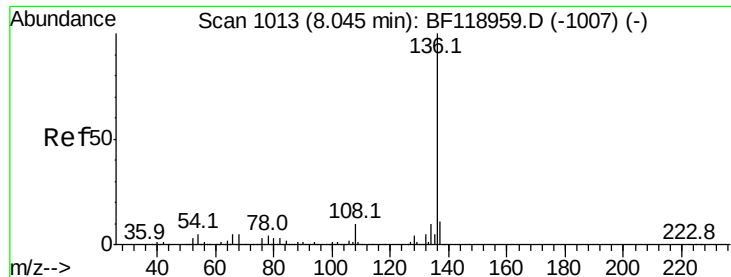
70 100

42 37.1 38.0 57.0#

101 0.0 8.2 12.4#

130 2.1 18.2 27.4#

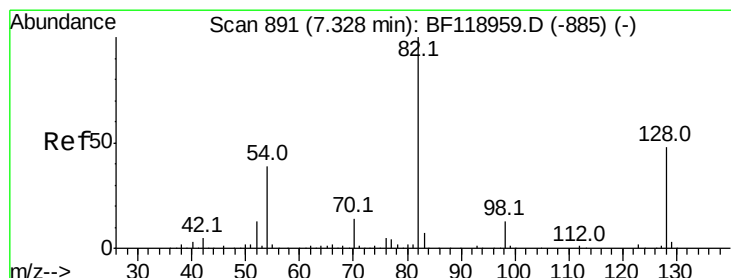
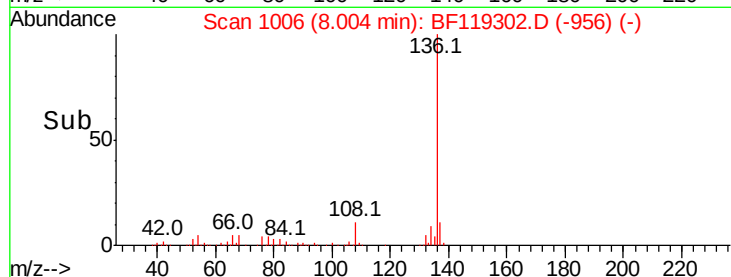
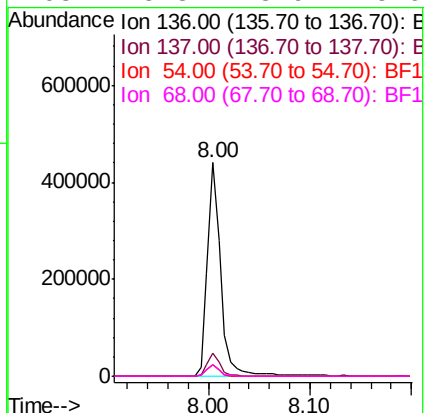
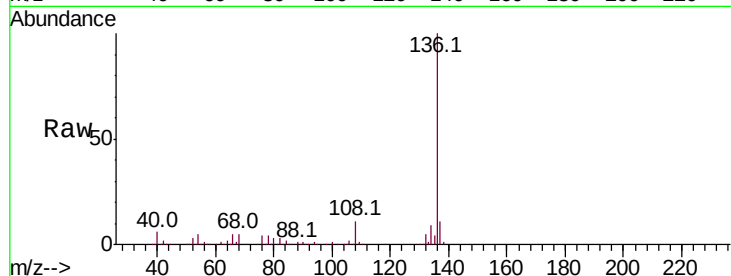




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119302.D
Acq: 10 Mar 2020 00:24

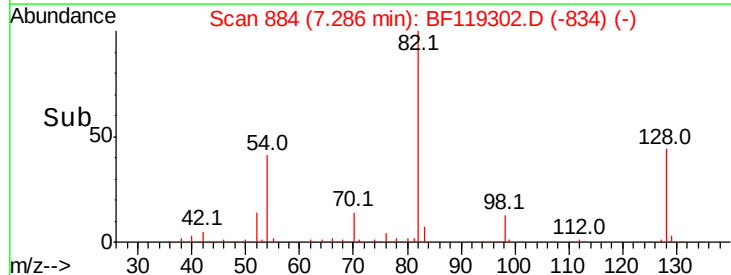
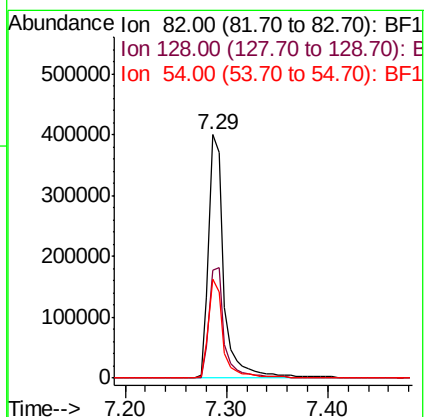
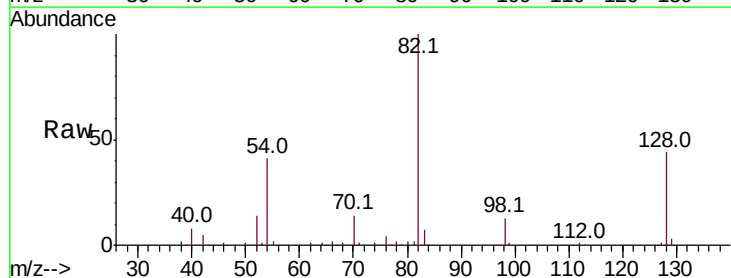
Instrument :
BNA_F
ClientSampleId :

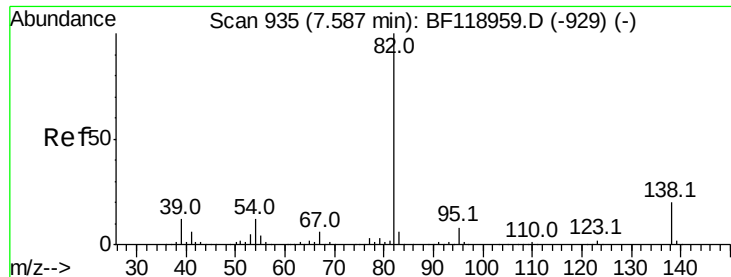
Tot Ion:136	Resp: 403664
Ion Ratio	Lower Upper
136 100	
137 10.9	8.8 13.2
54 5.1	3.8 5.6
68 5.3	3.9 5.9



#23
Nitrobenzene-d5
Concen: 55.555 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF119302.D
Acq: 10 Mar 2020 00:24

Tgt Ion: 82	Resp: 424726
Ion Ratio	Lower Upper
82 100	
128 44.2	37.9 56.9
54 40.5	33.4 50.2





#25

Isophorone

Concen: 31.989 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF119302.D

Acq: 10 Mar 2020 00:24

Instrument :

BNA_F

ClientSampled :

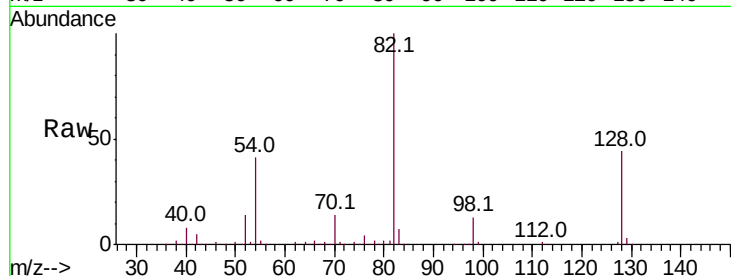
Tot Ion: 82 Resp: 424726

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

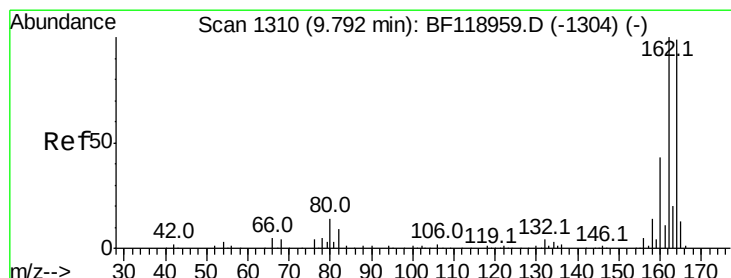
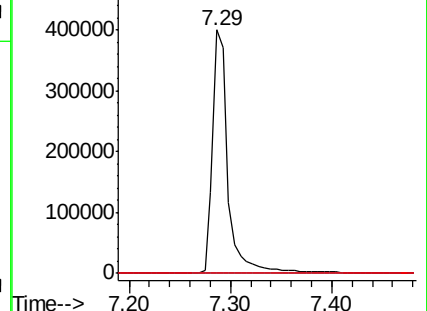
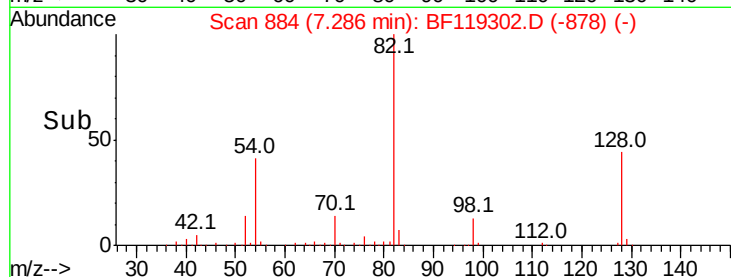
138 0.0 15.7 23.5#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF119302.D

Acq: 10 Mar 2020 00:24

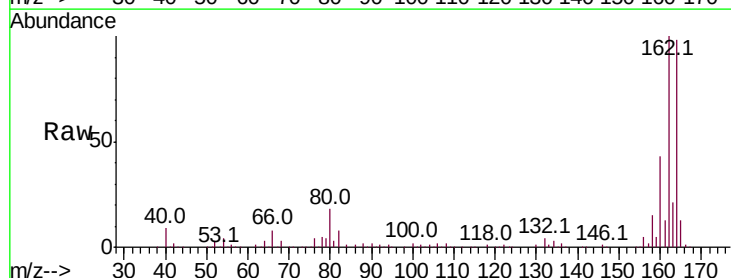
Tgt Ion:164 Resp: 209087

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

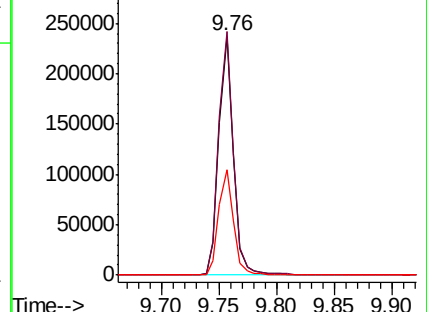
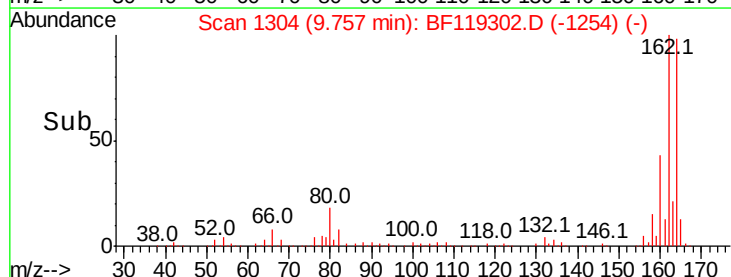
160 44.1 36.0 54.0

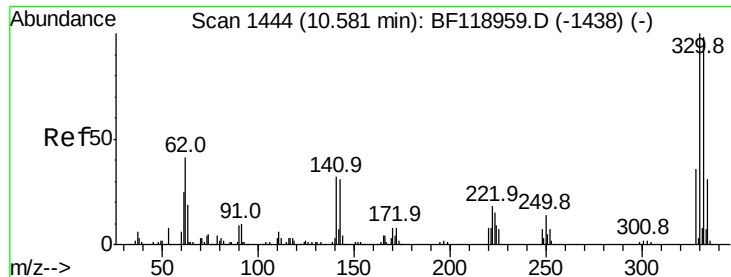


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

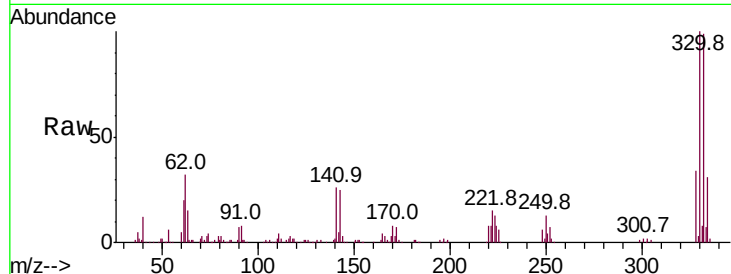




#42
 2,4,6-Tribromophenol
 Concen: 66.489 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119302.D
 Acq: 10 Mar 2020 00:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.0	114.0
141	31.6	22.9	34.3

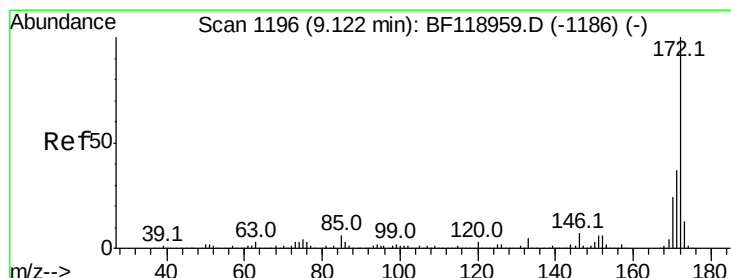
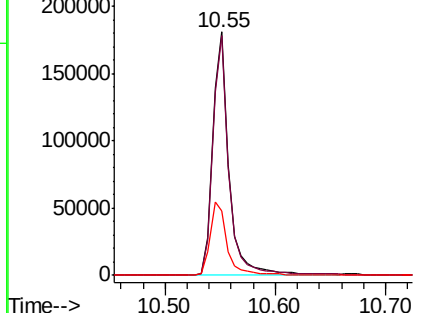
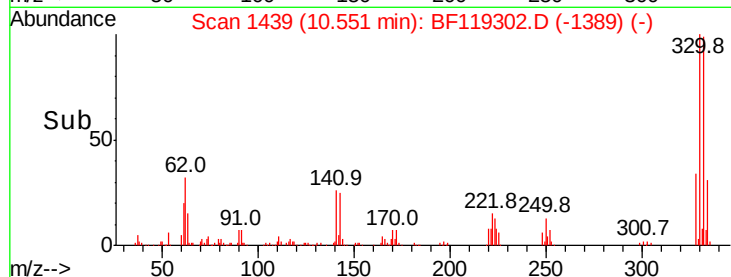


Abundance

Ion 329.80 (329.50 to 330.50): E

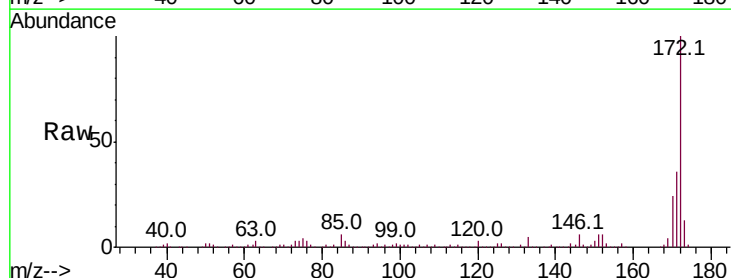
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 57.911 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119302.D
 Acq: 10 Mar 2020 00:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.6	45.8
170	23.7	20.2	30.2

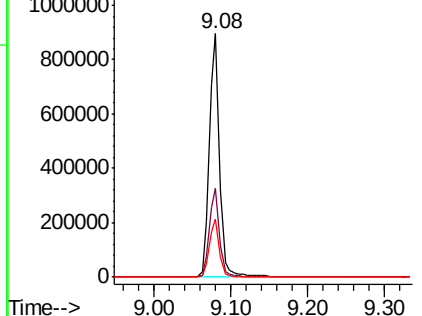
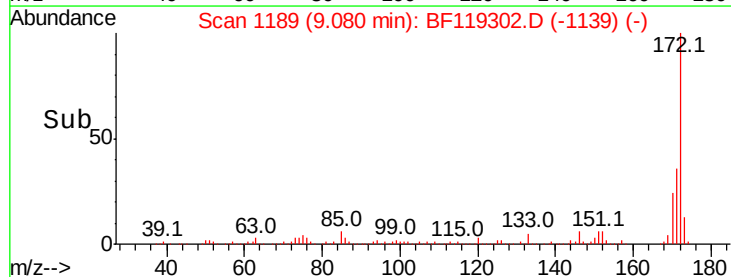


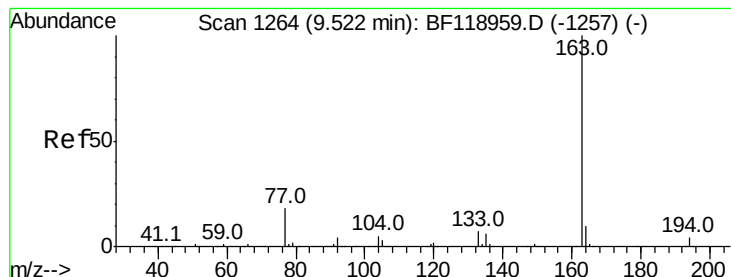
Abundance

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: 4.622 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF119302.D

Acq: 10 Mar 2020 00:24

Instrument :

BNA_F

ClientSampleId :

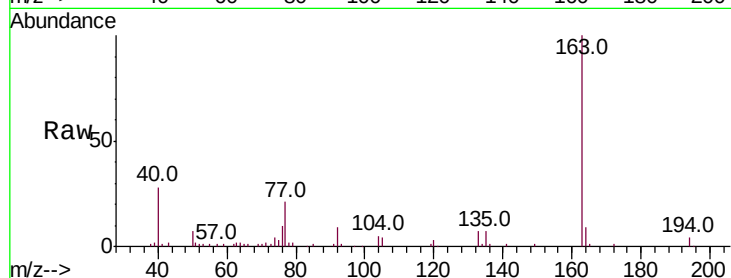
Tot Ion:163 Resp: 73893

Ion Ratio Lower Upper

163 100

194 3.7 3.5 5.3

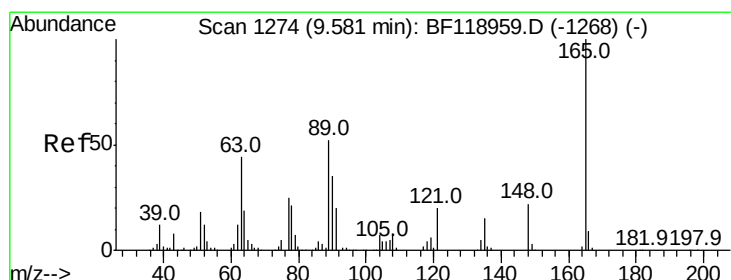
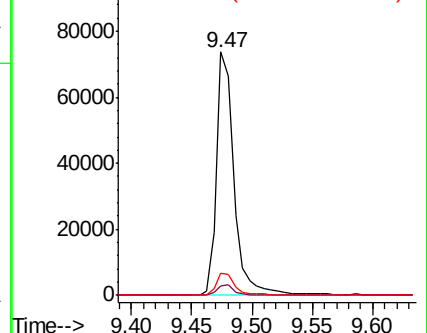
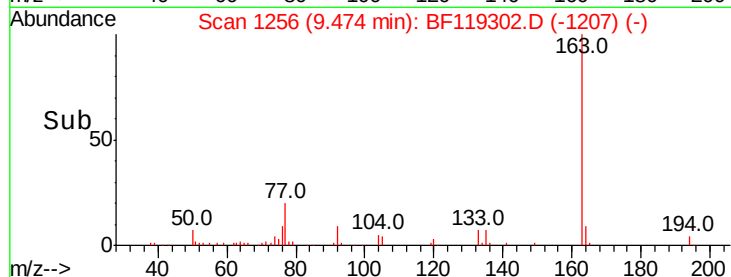
164 9.4 8.4 12.6



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: 7.619 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF119302.D

Acq: 10 Mar 2020 00:24

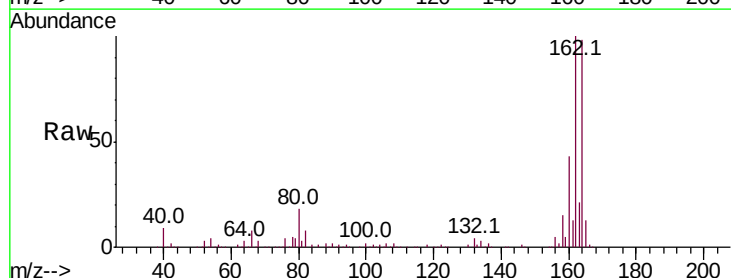
Tgt Ion:165 Resp: 27063

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

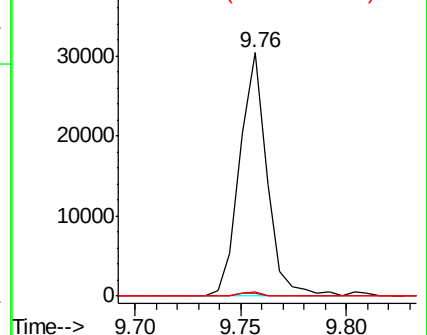
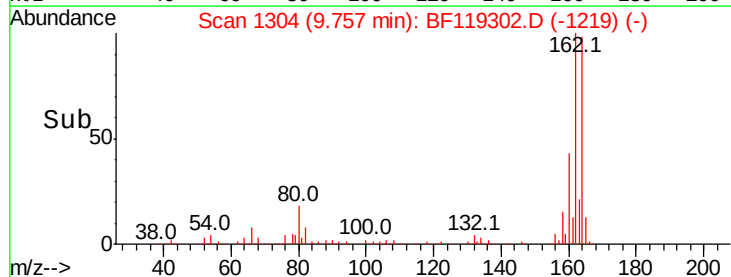
89 1.7 38.3 57.5#

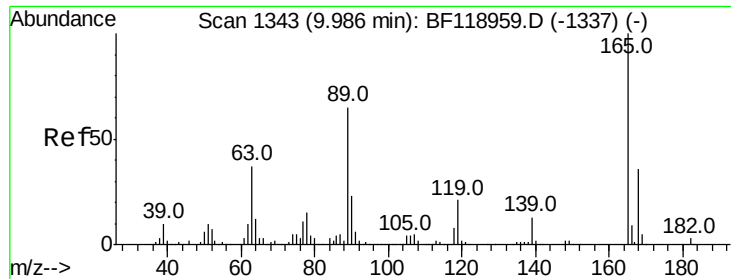


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

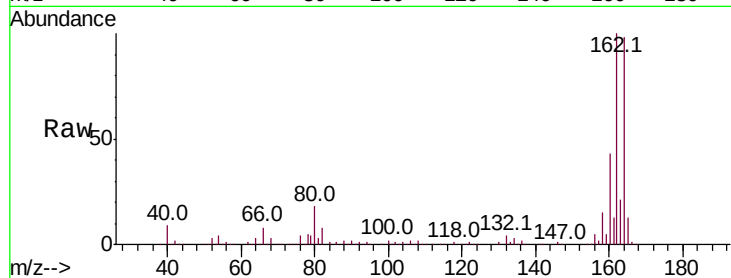




#57
 2,4-Dinitrotoluene
 Concen: 5.878 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF119302.D
 Acq: 10 Mar 2020 00:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.3	63.5#
89	1.7	60.2	90.4#
182	0.0	2.3	3.5#

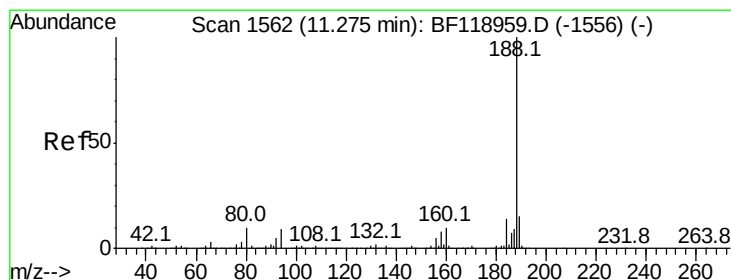
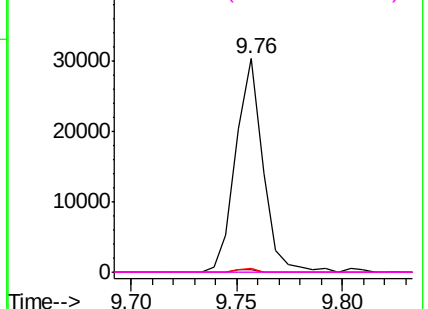
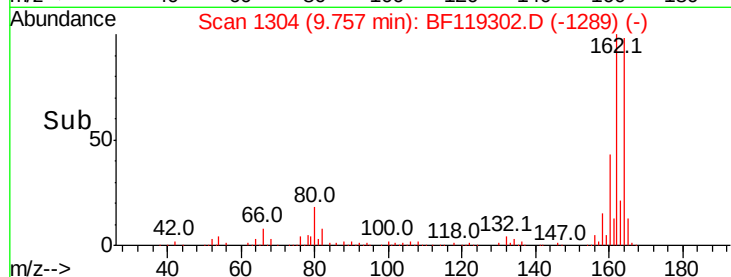


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

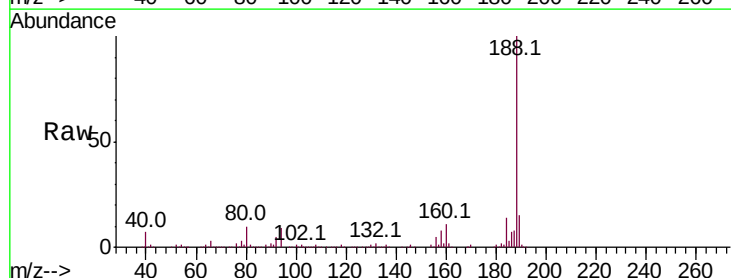
Ion 89.00 (88.70 to 89.70): BF1

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: BF119302.D
 Acq: 10 Mar 2020 00:24

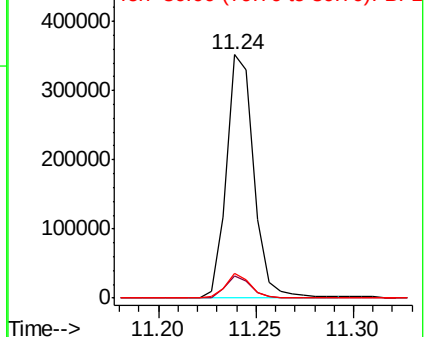
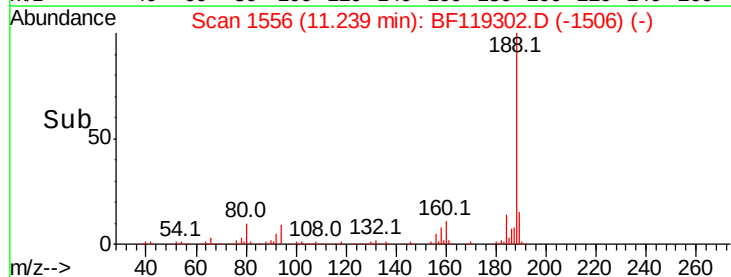
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.1	10.7
80	10.2	7.8	11.8

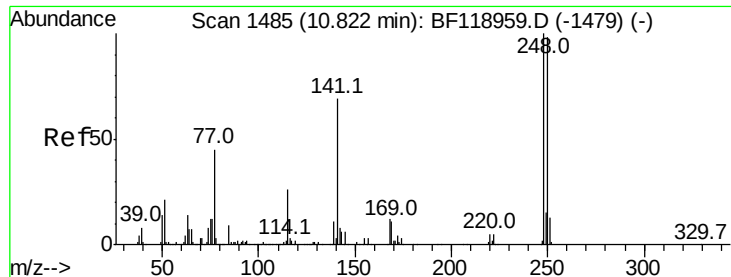


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

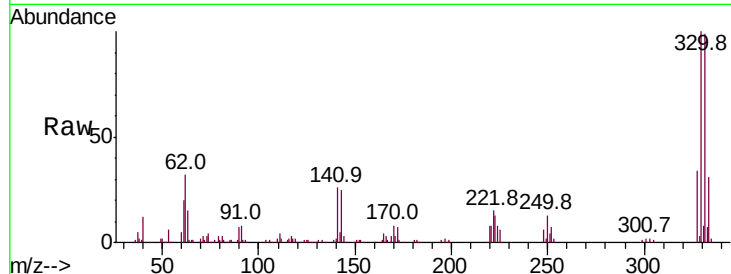




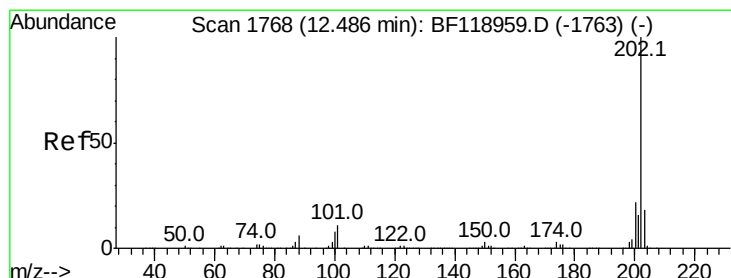
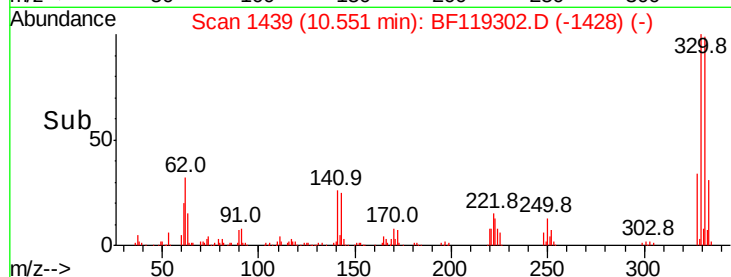
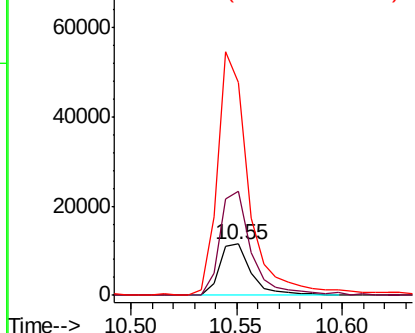
#67
4-Bromophenyl-phenylether
Concen: 2.669 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF119302.D
Acq: 10 Mar 2020 00:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11943
Ion Ratio Lower Upper
248 100
250 203.7 76.7 115.1#
141 415.5 60.7 91.1#

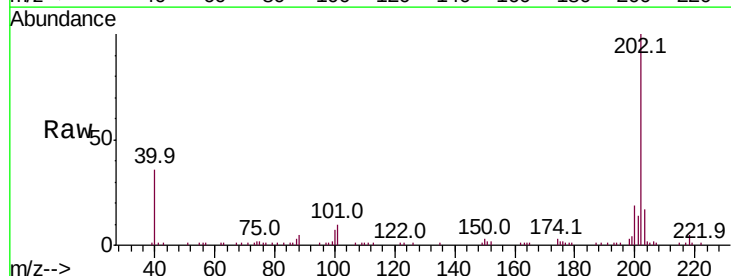


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

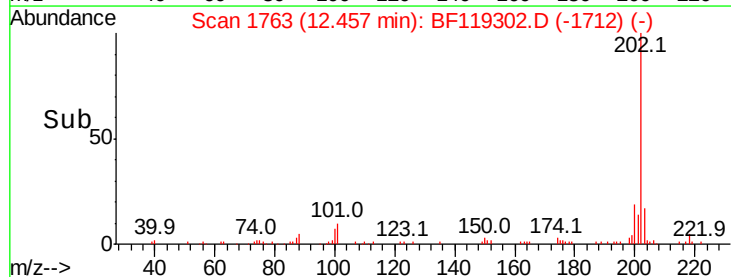
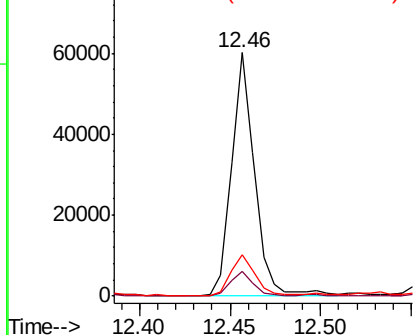


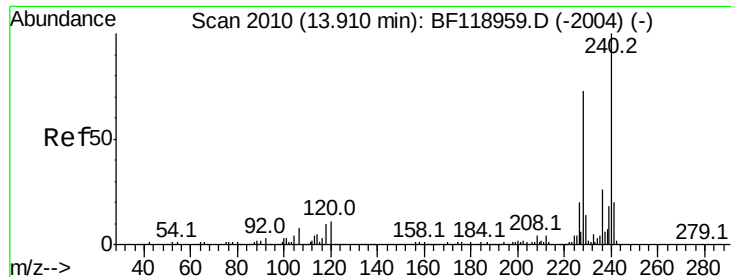
#75
Fluoranthene
Concen: 2.709 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.00 min
Lab File: BF119302.D
Acq: 10 Mar 2020 00:24

Tgt Ion:202 Resp: 53686
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.3
203 17.1 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

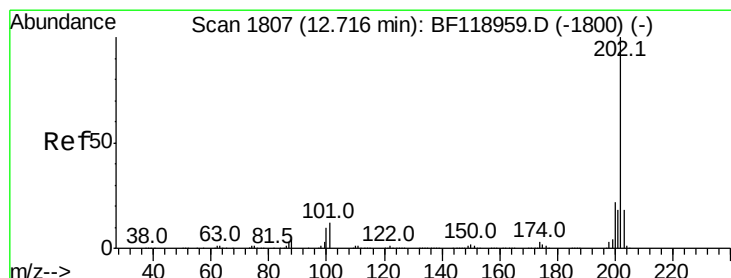
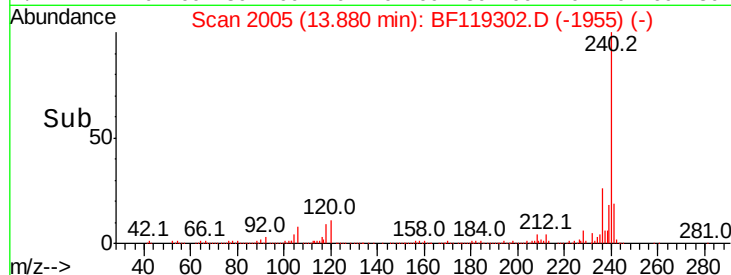
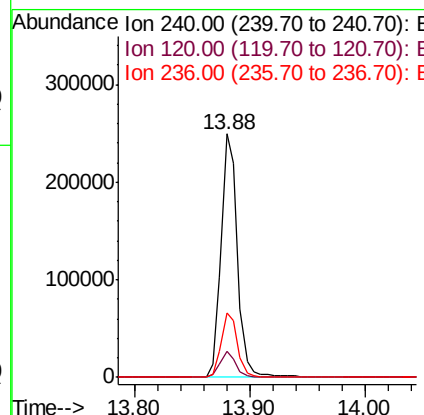
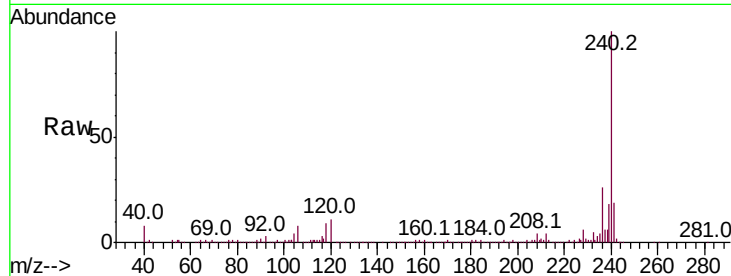




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF119302.D
 Acq: 10 Mar 2020 00:24

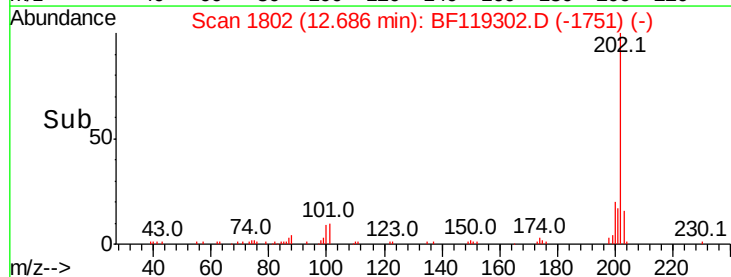
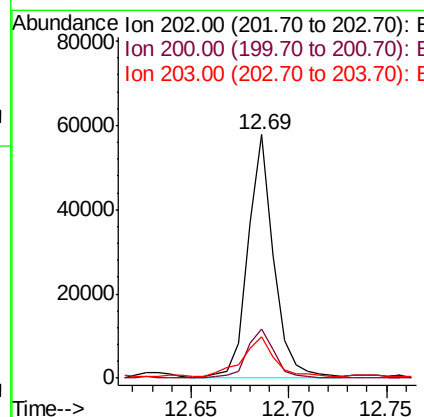
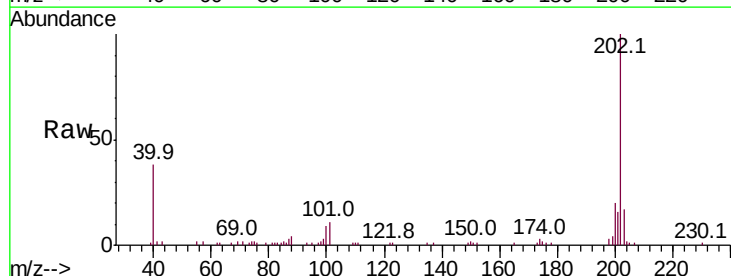
Instrument :
 BNA_F
 ClientSampleId :

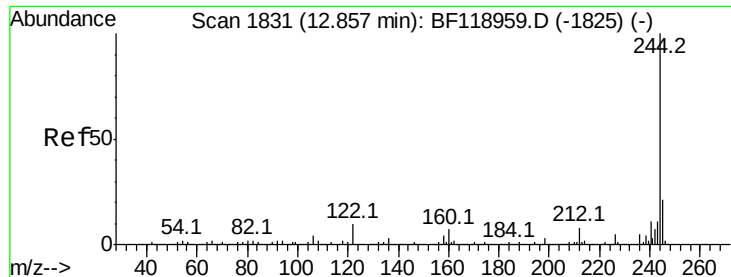
Tot Ion:240 Resp: 245476
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.4 12.6
 236 26.4 21.0 31.4



#78
 Pyrene
 Concen: 2.708 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: BF119302.D
 Acq: 10 Mar 2020 00:24

Tgt Ion:202 Resp: 53378
 Ion Ratio Lower Upper
 202 100
 200 20.1 18.0 27.0
 203 16.9 14.6 22.0





#79

Terphenyl-d14

Concen: 52.094 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119302.D

Acq: 10 Mar 2020 00:24

Instrument :

BNA_F

ClientSampleId :

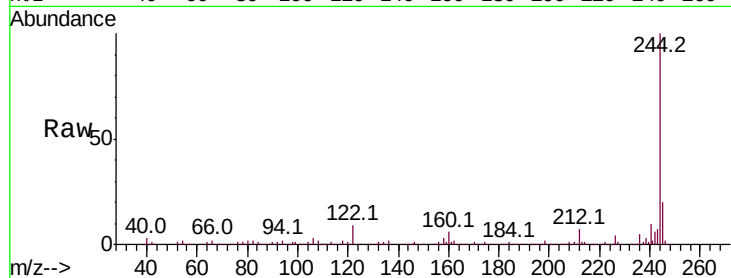
Tot Ion:244 Resp: 742751

Ion Ratio Lower Upper

244 100

212 6.7 6.6 10.0

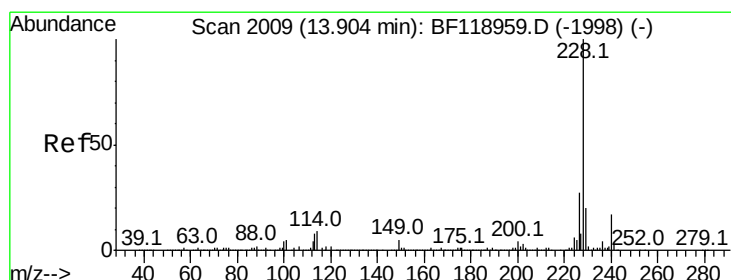
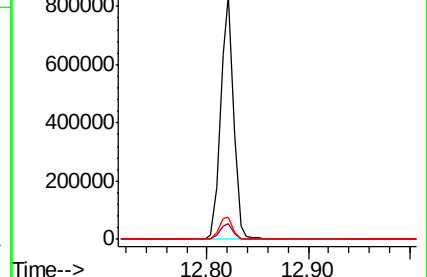
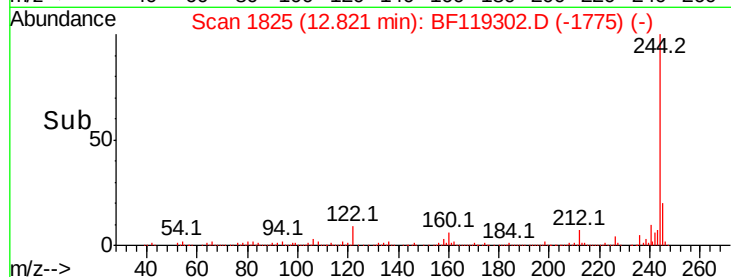
122 8.9 8.2 12.2



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: 2.145 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF119302.D

Acq: 10 Mar 2020 00:24

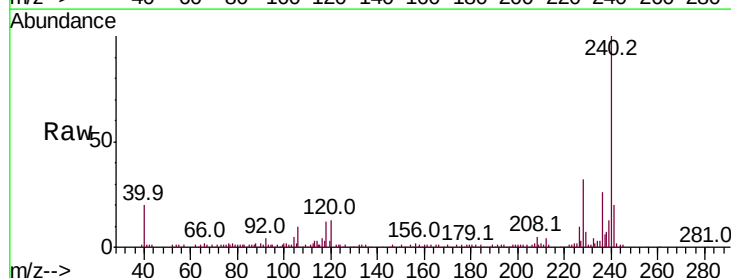
Tgt Ion:228 Resp: 35878

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

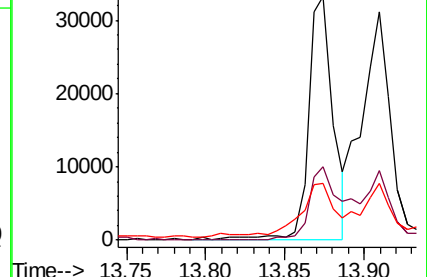
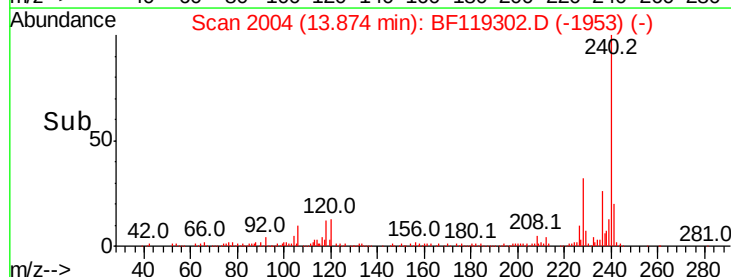
229 23.1 16.6 24.8

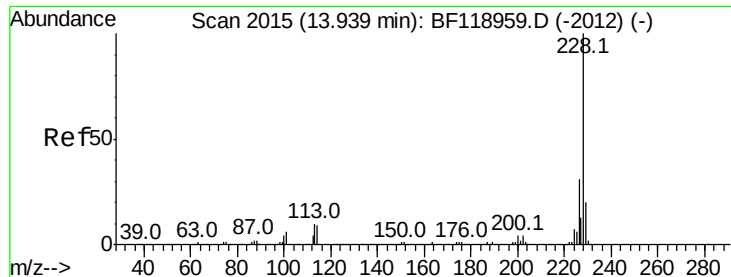


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.153 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.04 min

Lab File: BF119302.D

Acq: 10 Mar 2020 00:24

Instrument :

BNA_F

ClientSampleId :

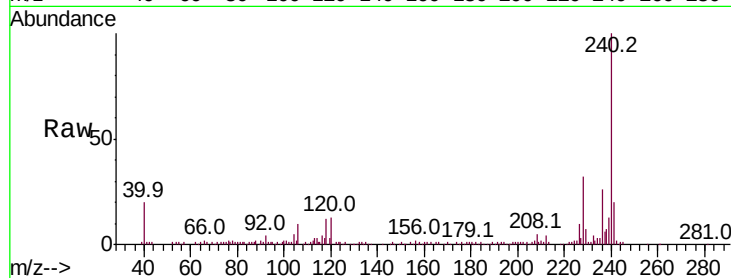
Tot Ion:228 Resp: 35878

Ion Ratio Lower Upper

228 100

226 29.9 25.1 37.7

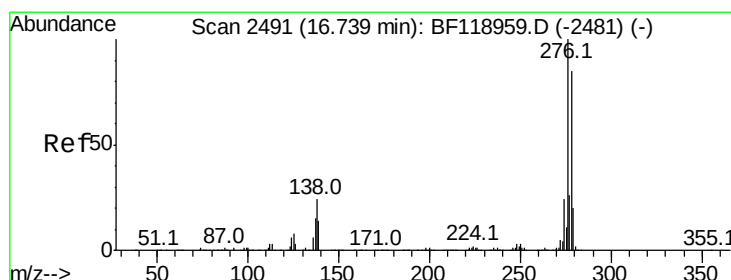
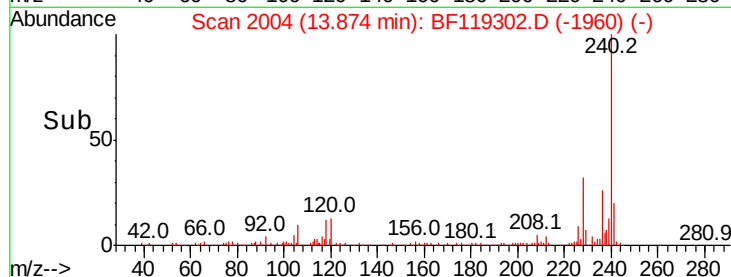
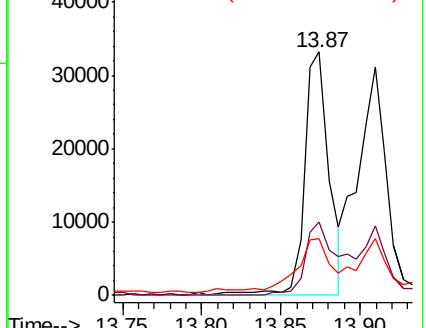
229 23.1 16.3 24.5



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.156 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.02 min

Lab File: BF119302.D

Acq: 10 Mar 2020 00:24

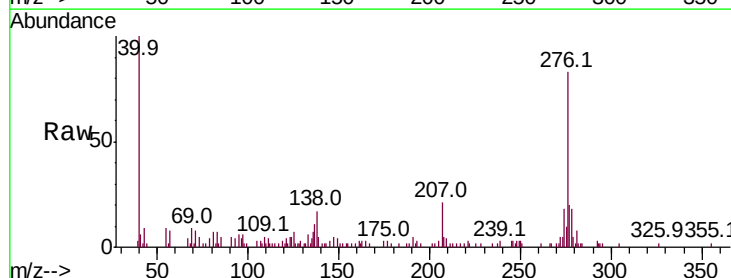
Tgt Ion:276 Resp: 34785

Ion Ratio Lower Upper

276 100

138 22.9 17.4 26.0

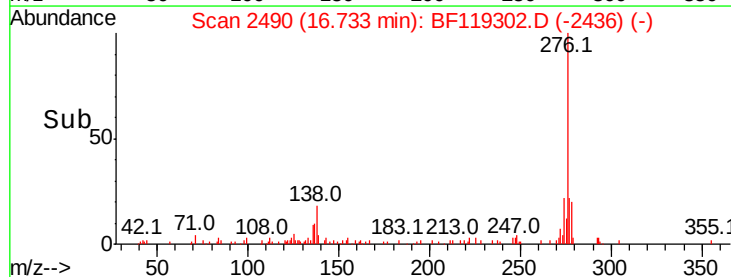
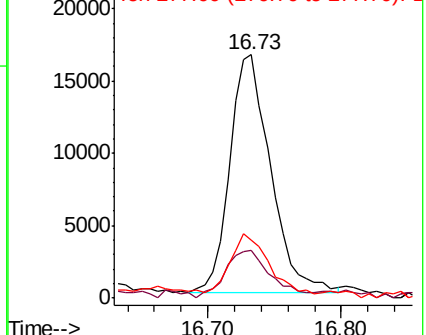
277 22.3 20.3 30.5

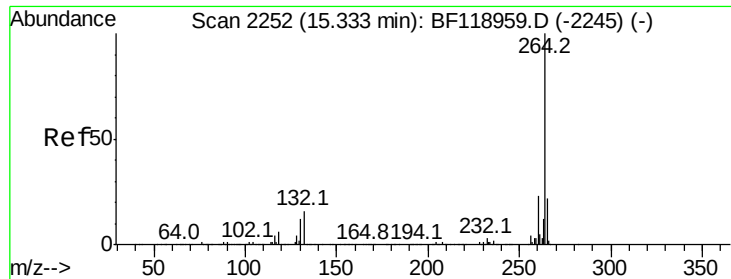


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

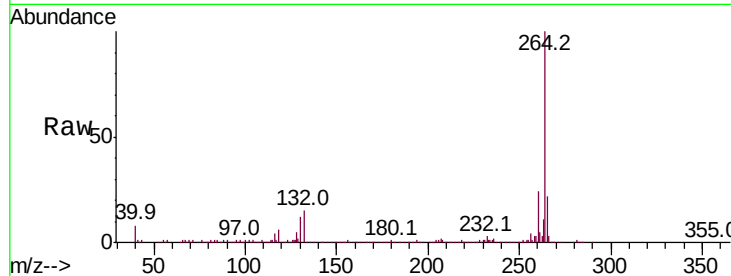




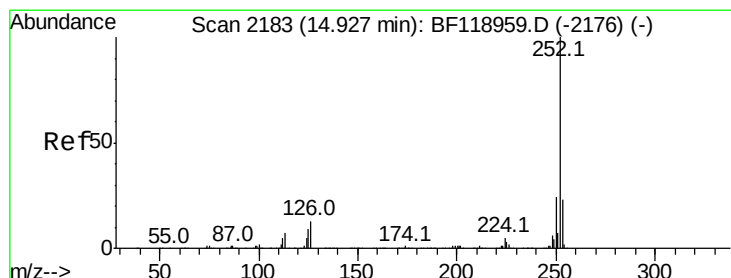
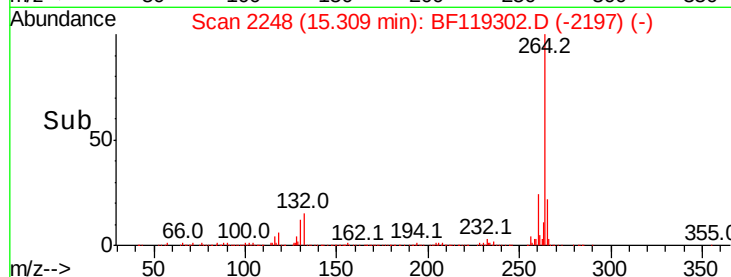
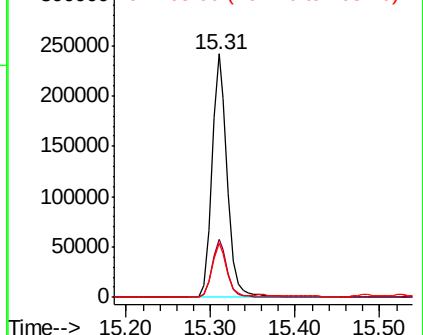
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BF119302.D
Acq: 10 Mar 2020 00:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 311301
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 22.1 17.7 26.5

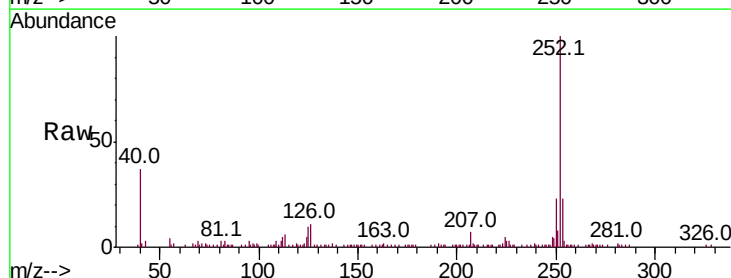


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

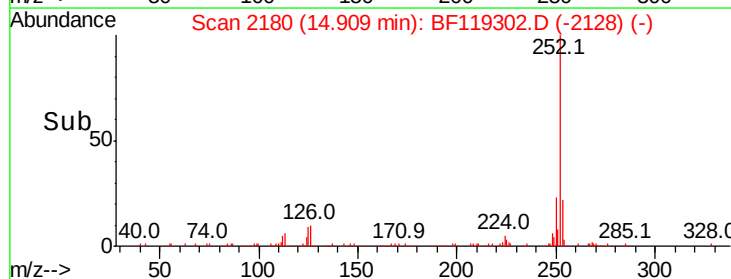
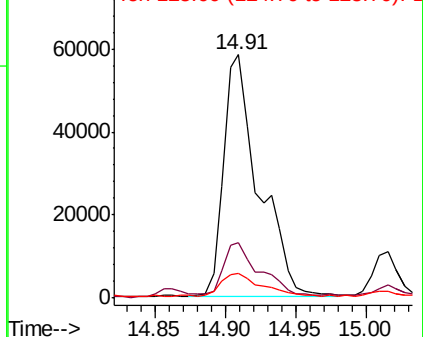


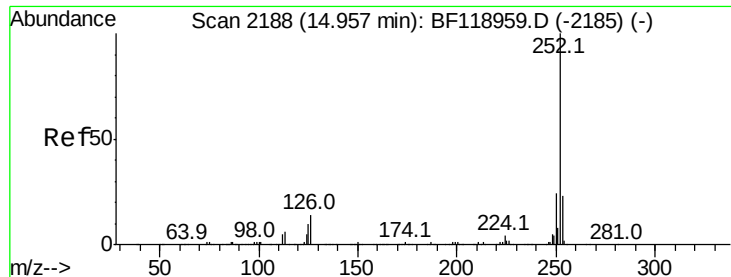
#88
Benzo(b)fluoranthene
Concen: 4.919 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF119302.D
Acq: 10 Mar 2020 00:24

Tgt Ion:252 Resp: 100942
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 10.0 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

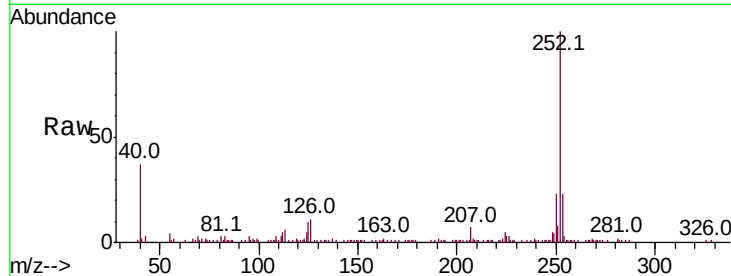




#89
Benzo(k)fluoranthene
Concen: 5.308 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BF119302.D
Acq: 10 Mar 2020 00:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	10.0	7.5	11.3

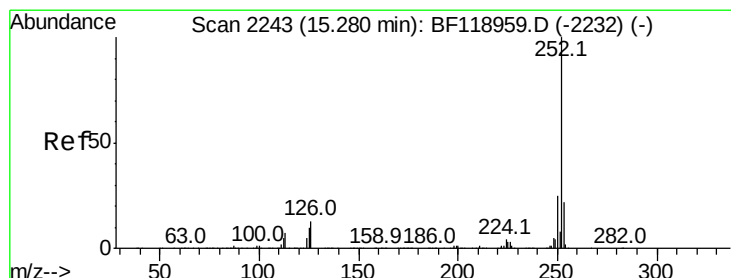
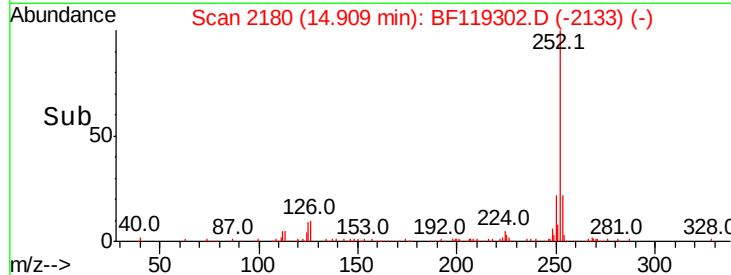
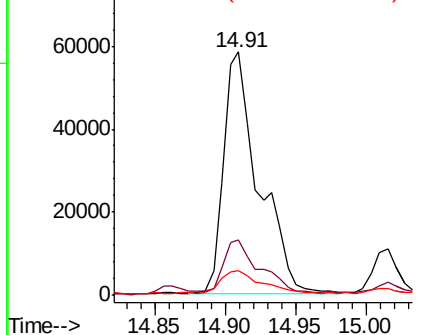


Abundance

Ion 252.00 (251.70 to 252.70): E

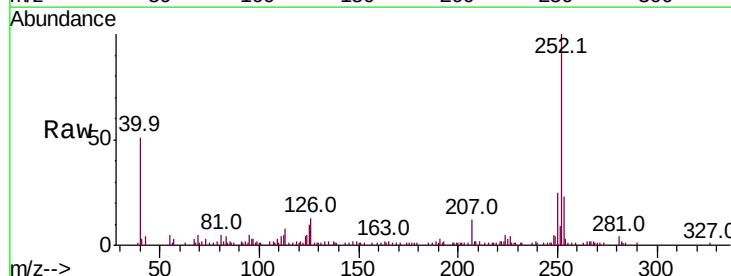
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.499 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF119302.D
Acq: 10 Mar 2020 00:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.4	8.6	12.8

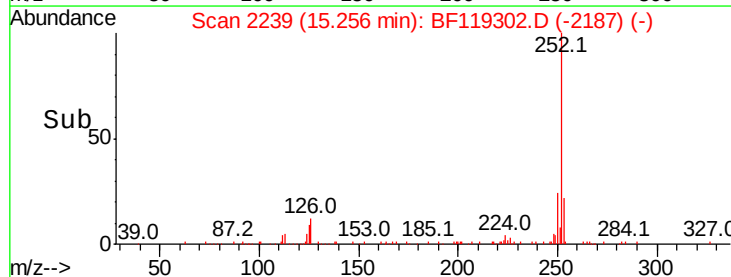
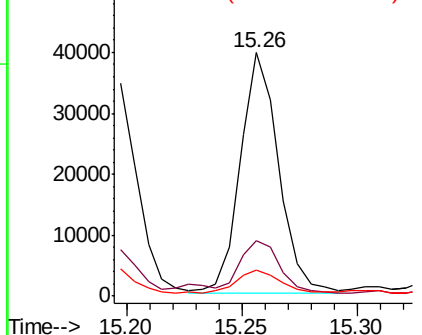


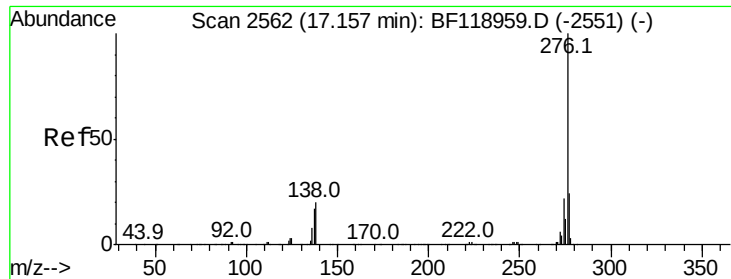
Abundance

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

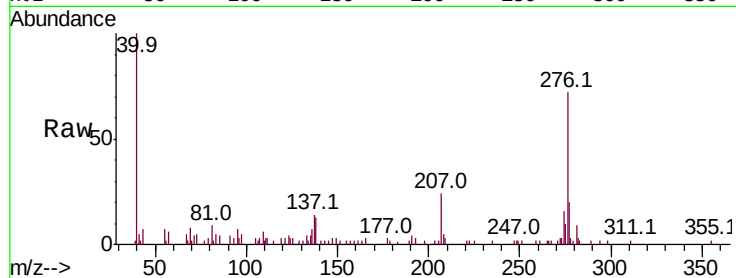




#92
 Benzo(a,h,i)perylene
 Concen: 2.141 ng
 RT: 17.16 min Scan# 2562
 Delta R.T. 0.02 min
 Lab File: BF119302.D
 Acq: 10 Mar 2020 00:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	27.4	18.7	28.1	
138	18.6	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

