

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119307.D
 Acq On : 10 Mar 2020 2:51
 Operator : CG/JU
 Sample : L1778-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 03:37:25 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	99728	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	378191	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	190463	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	296691	20.00	ng	0.00
76) Chrysene-d12	13.89	240	250028	20.00	ng	0.00
87) Perylene-d12	15.32	264	232012	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	388650	65.13	ng	0.00
7) Phenol-d6	6.38	99	483809	66.66	ng	0.00
23) Nitrobenzene-d5	7.29	82	311529	43.49	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	127977	51.36	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	636911	49.26	ng	0.00
79) Terphenyl-d14	12.82	244	631155	43.46	ng	0.00

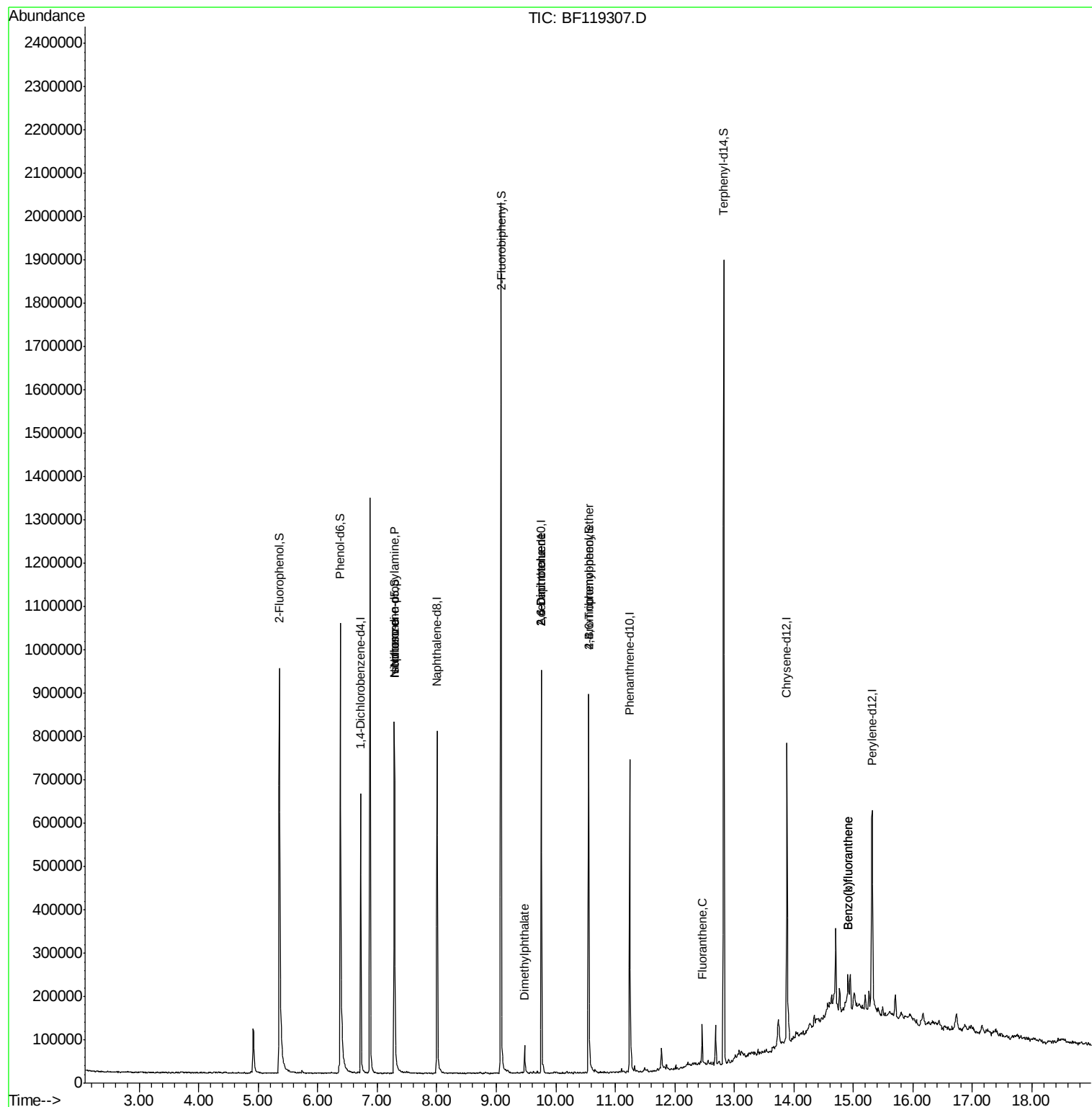
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	43048	10.179	ng	# 74
25) Isophorone	7.29	82	311529	25.044	ng	# 63
50) Dimethylphthalate	9.48	163	32095	2.204	ng	98
51) 2,6-Dinitrotoluene	9.76	165	24345	7.524	ng	# 32
57) 2,4-Dinitrotoluene	9.76	165	24345	5.805	ng	# 20
67) 4-Bromophenyl-phenylether	10.55	248	8411	2.169	ng	# 1
75) Fluoranthene	12.46	202	38329	2.232	ng	97
88) Benzo(b)fluoranthene	14.91	252	46947	3.070	ng	# 93
89) Benzo(k)fluoranthene	14.91	252	46947	3.313	ng	# 92

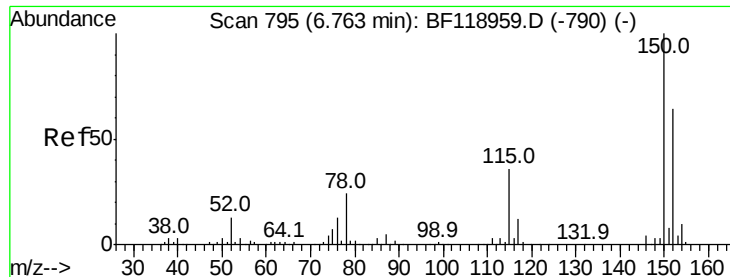
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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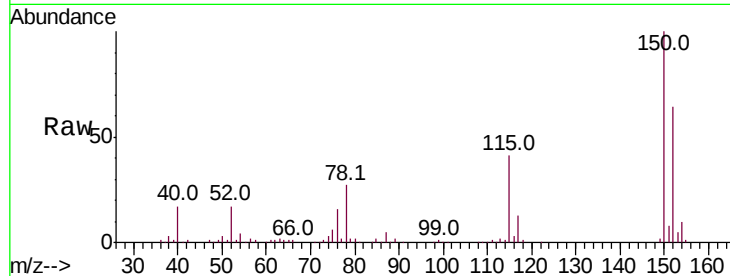


#1

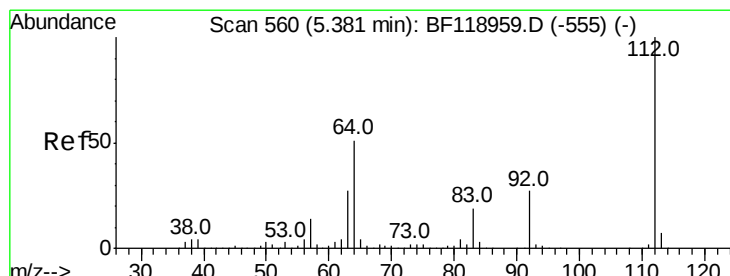
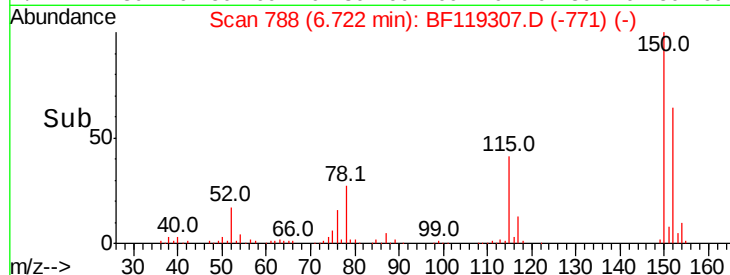
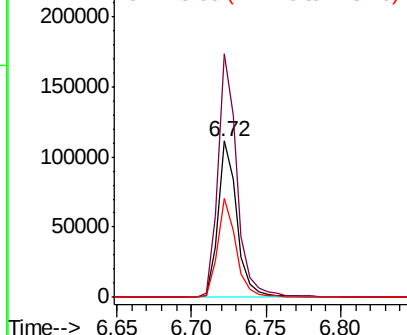
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF119307.D
 Acq: 10 Mar 2020 2:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 99728
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.0 184.6
 115 63.3 49.5 74.3



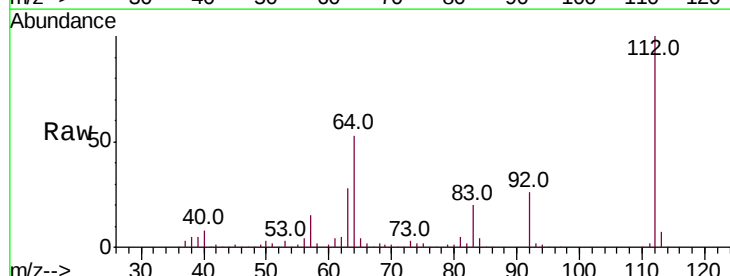
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



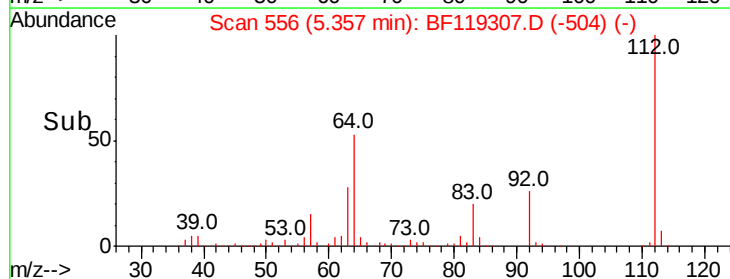
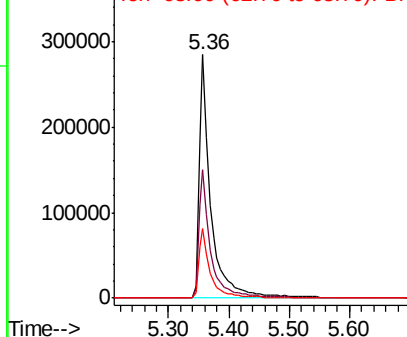
#5

2-Fluorophenol
 Concen: 65.127 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF119307.D
 Acq: 10 Mar 2020 2:51

Tgt Ion:112 Resp: 388650
 Ion Ratio Lower Upper
 112 100
 64 52.6 45.0 67.4
 63 28.3 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: 66.662 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119307.D

Acq: 10 Mar 2020 2:51

Instrument :

BNA_F

ClientSampled :

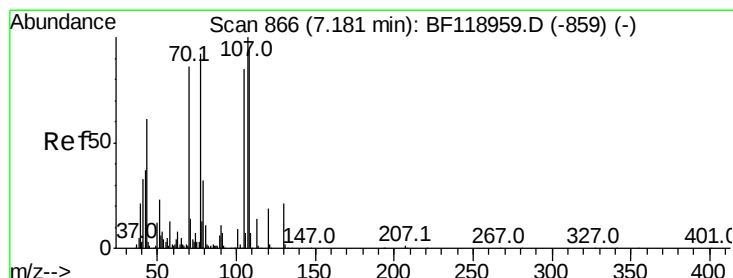
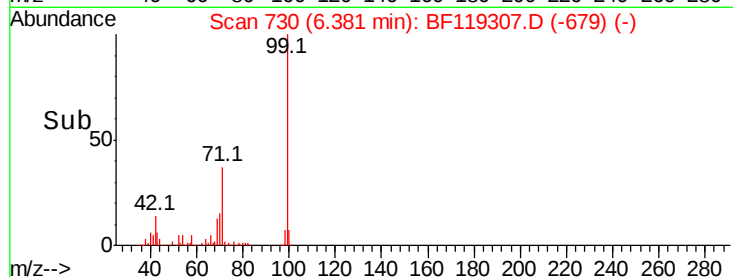
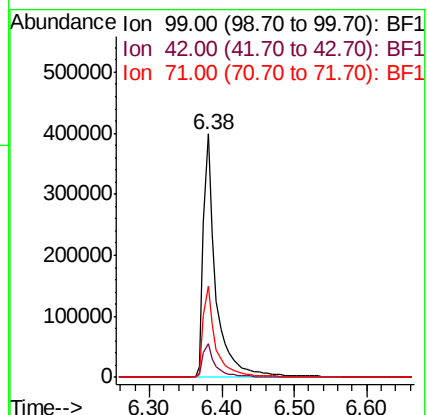
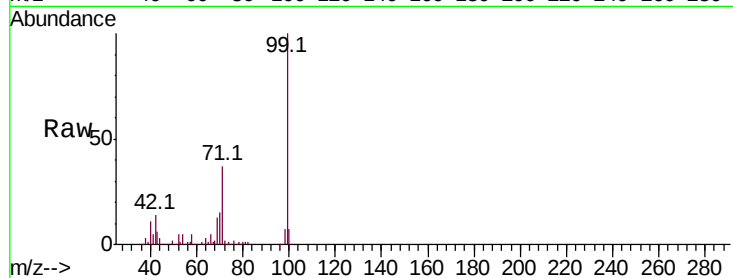
Tot Ion: 99 Resp: 483809

Ion Ratio Lower Upper

99 100

42 13.9 12.6 18.8

71 37.3 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.179 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF119307.D

Acq: 10 Mar 2020 2:51

Tgt Ion: 70 Resp: 43048

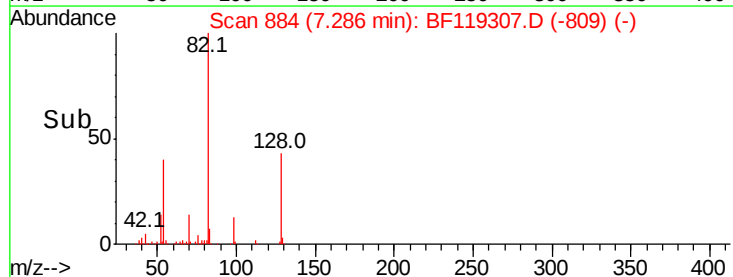
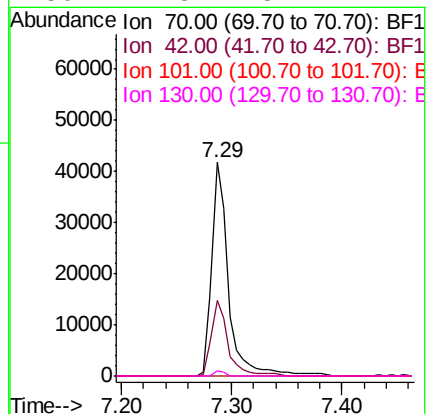
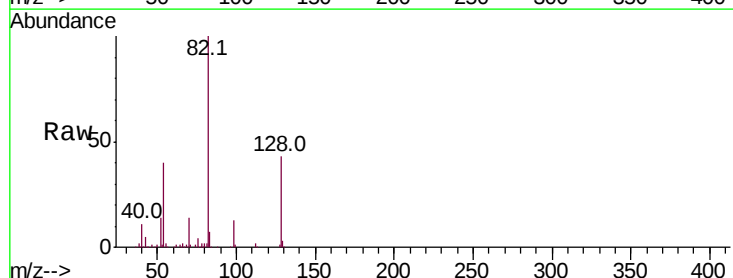
Ion Ratio Lower Upper

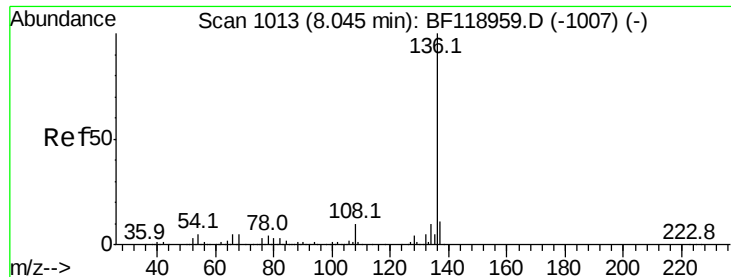
70 100

42 35.5 38.0 57.0#

101 0.0 8.2 12.4#

130 2.3 18.2 27.4#

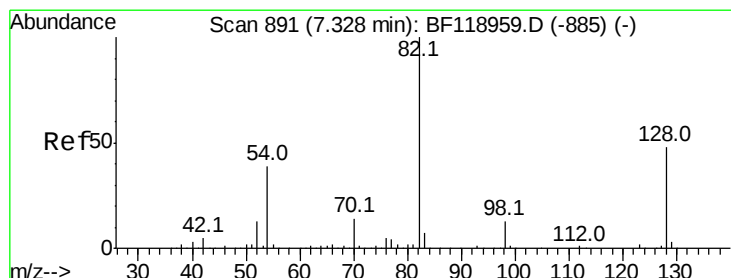
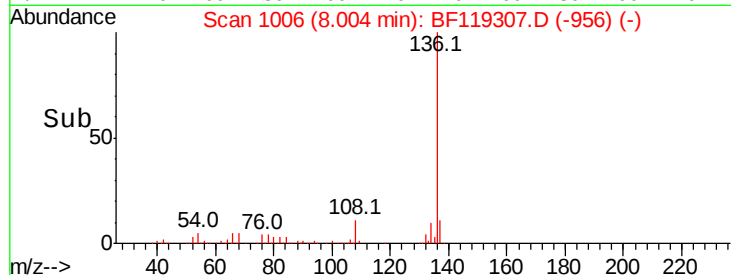
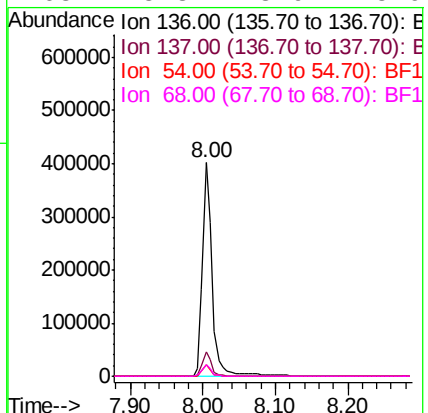
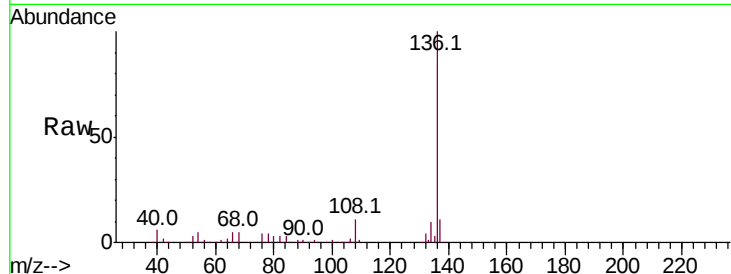




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119307.D
Acq: 10 Mar 2020 2:51

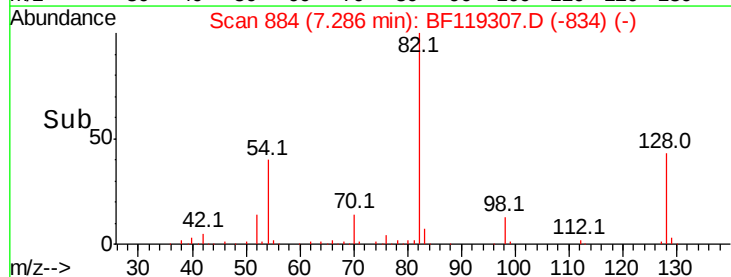
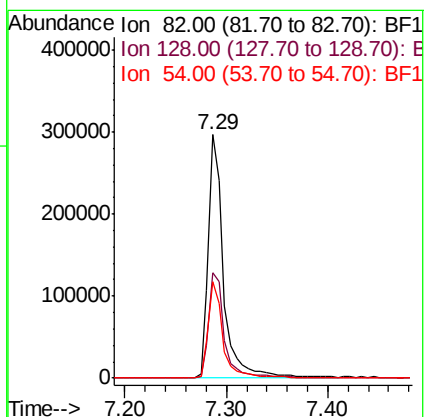
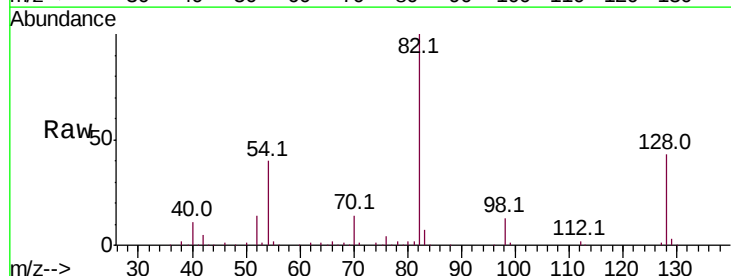
Instrument :
BNA_F
ClientSampleId :

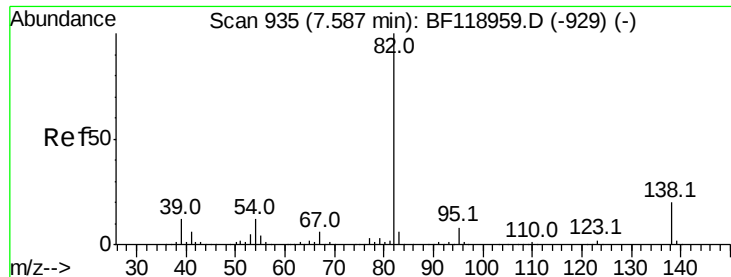
Tot Ion:	136	Resp:	378191
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	5.3	3.8	5.6
68	5.3	3.9	5.9



#23
Nitrobenzene-d5
Concen: 43.493 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF119307.D
Acq: 10 Mar 2020 2:51

Tgt Ion:	82	Resp:	311529
Ion	Ratio	Lower	Upper
82	100		
128	43.1	37.9	56.9
54	39.7	33.4	50.2





#25

Isophorone

Concen: 25.044 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF119307.D

Acq: 10 Mar 2020 2:51

Instrument :

BNA_F

ClientSampleId :

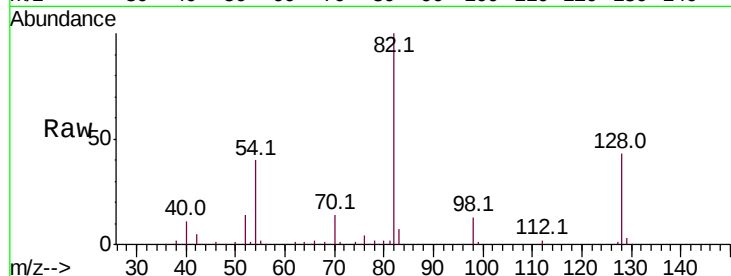
Tot Ion: 82 Resp: 311529

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

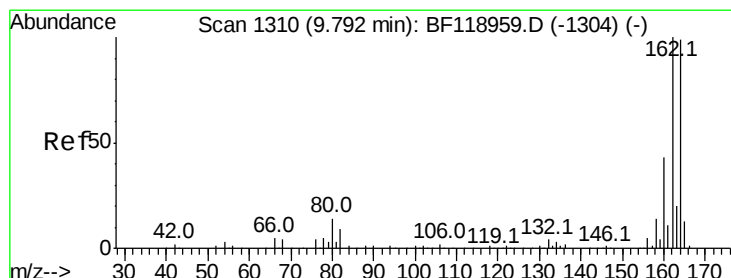
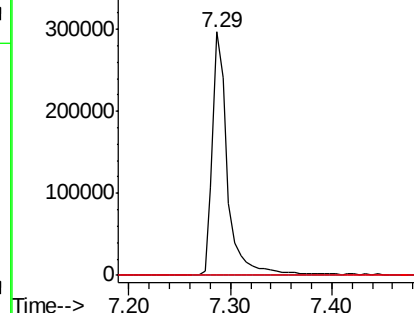
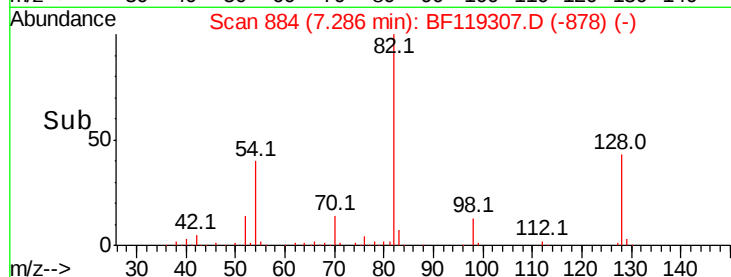
138 0.0 15.7 23.5#



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: BF119307.D

Acq: 10 Mar 2020 2:51

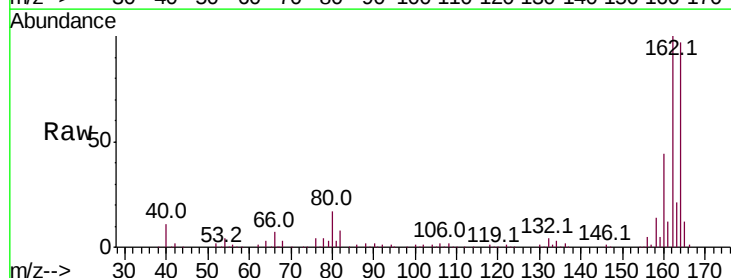
Tgt Ion: 164 Resp: 190463

Ion Ratio Lower Upper

164 100

162 102.8 81.8 122.8

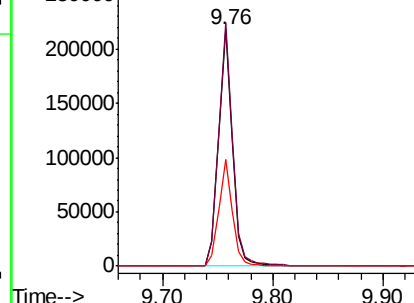
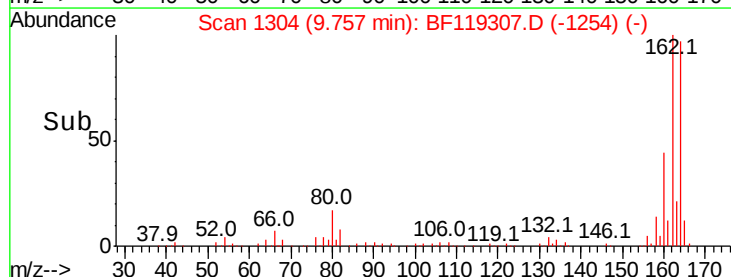
160 45.0 36.0 54.0

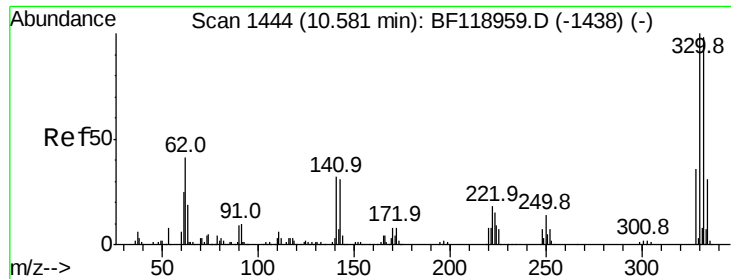


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

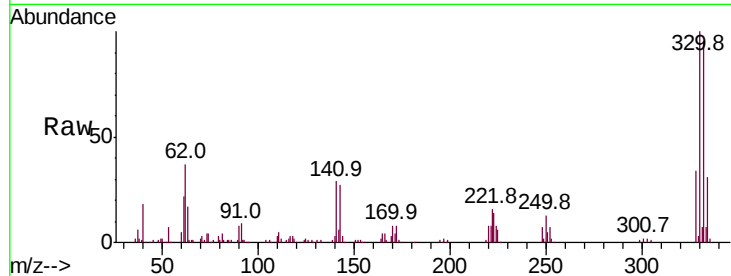




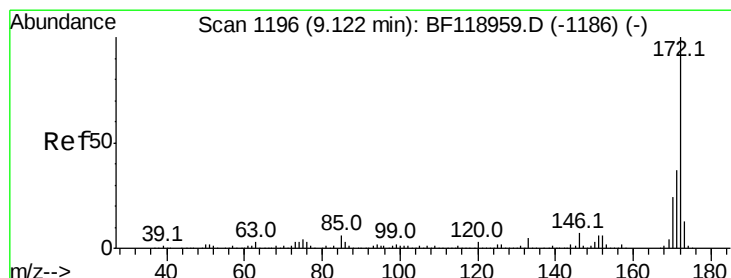
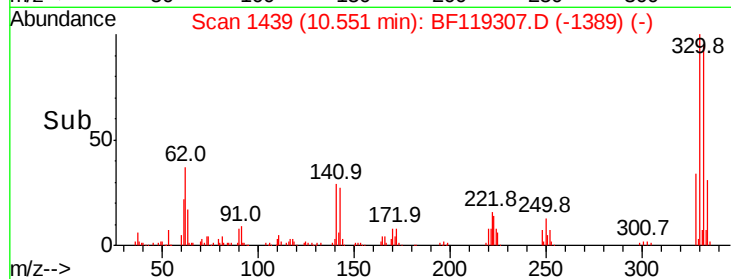
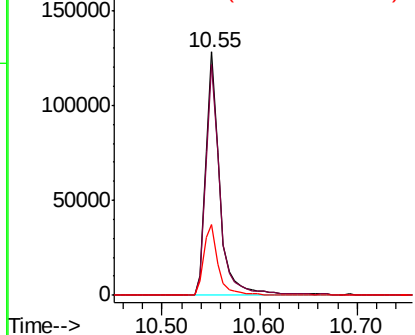
#42
 2,4,6-Tribromophenol
 Concen: 51.364 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119307.D
 Acq: 10 Mar 2020 2:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.0	114.0
141	30.4	22.9	34.3

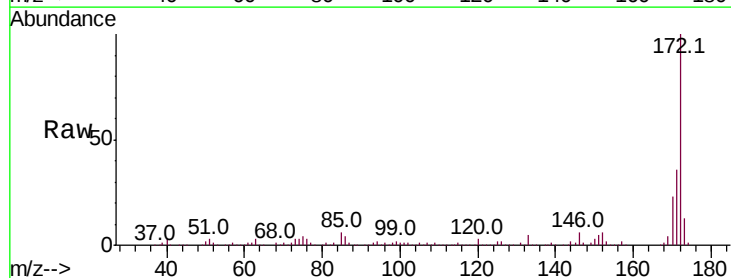


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

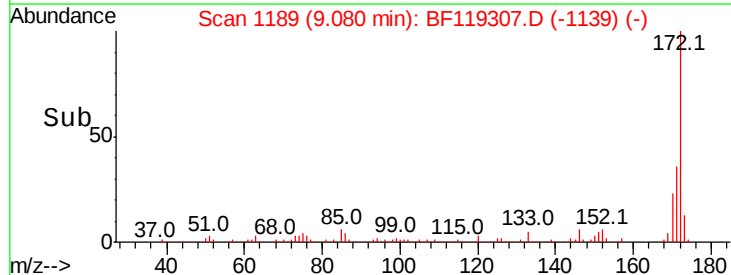
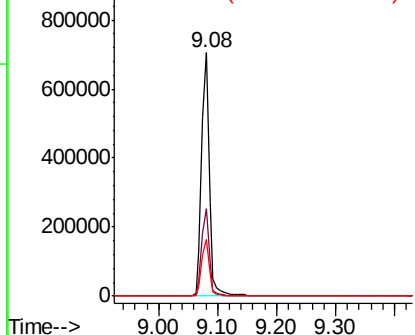


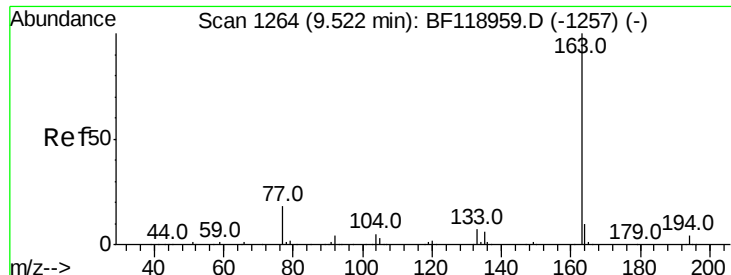
#45
 2-Fluorobiphenyl
 Concen: 49.263 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119307.D
 Acq: 10 Mar 2020 2:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.6	45.8
170	23.3	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

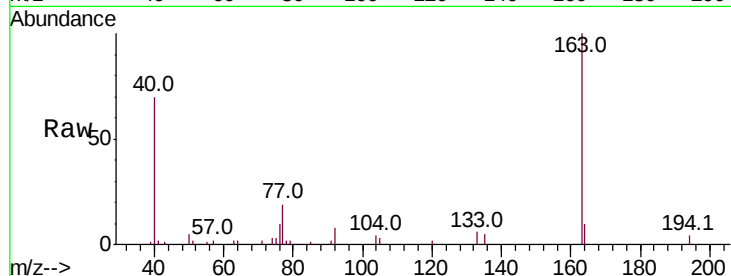




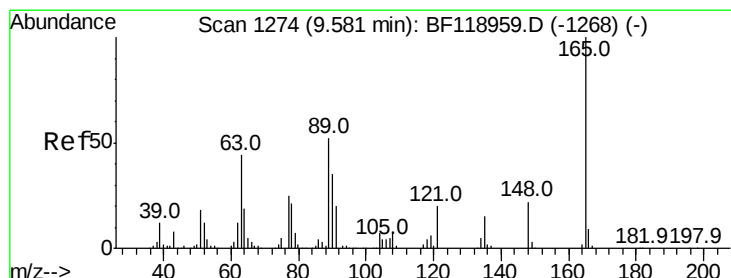
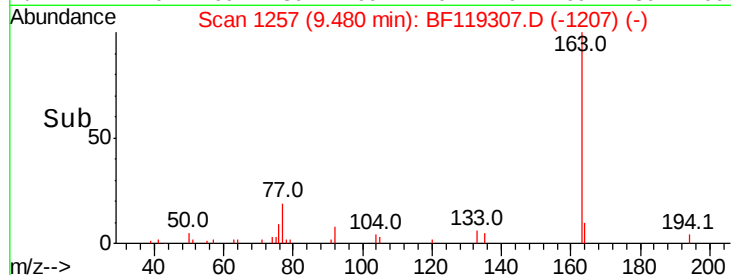
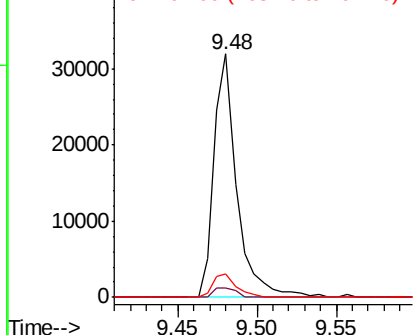
#50
Dimethylphthalate
Concen: 2.204 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF119307.D
Acq: 10 Mar 2020 2:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 32095
Ion Ratio Lower Upper
163 100
194 3.9 3.5 5.3
164 9.8 8.4 12.6

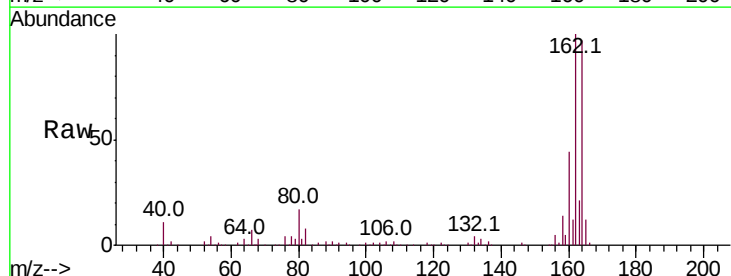


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

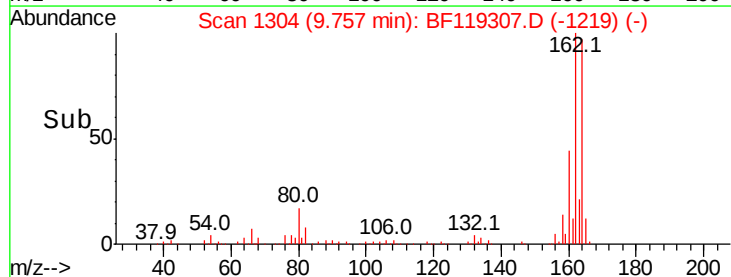
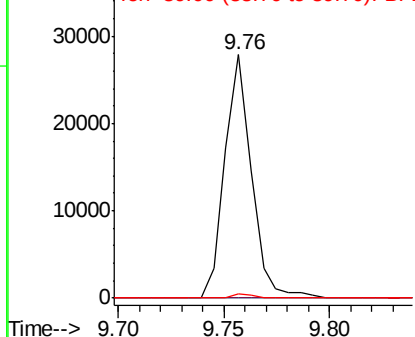


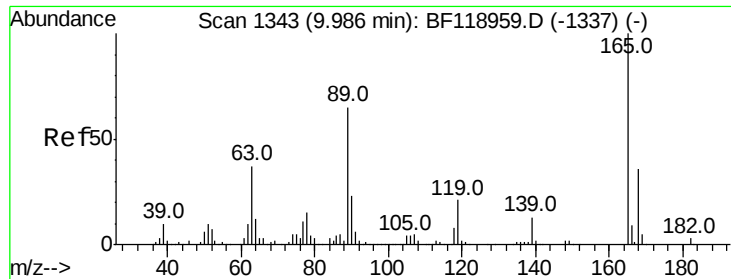
#51
2,6-Dinitrotoluene
Concen: 7.524 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF119307.D
Acq: 10 Mar 2020 2:51

Tgt Ion:165 Resp: 24345
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 1.6 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

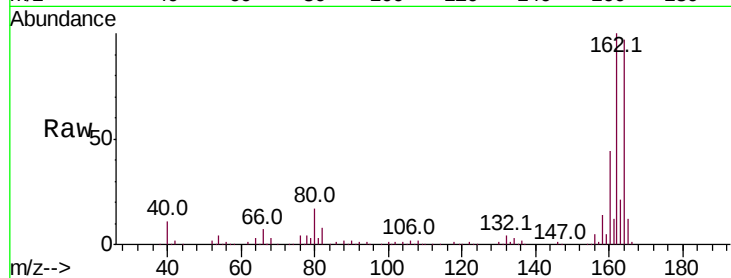




#57
2,4-Dinitrotoluene
Concen: 5.805 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF119307.D
Acq: 10 Mar 2020 2:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.3	63.5#
89	1.6	60.2	90.4#
182	0.0	2.3	3.5#

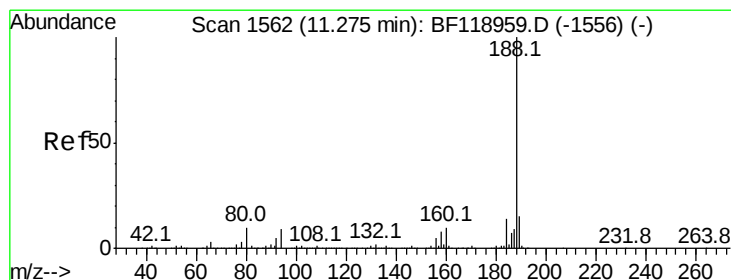
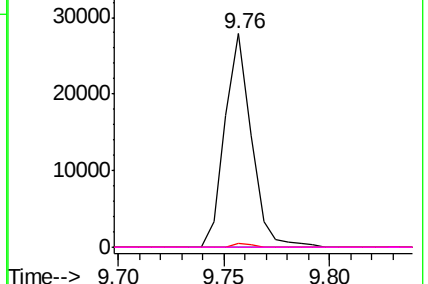
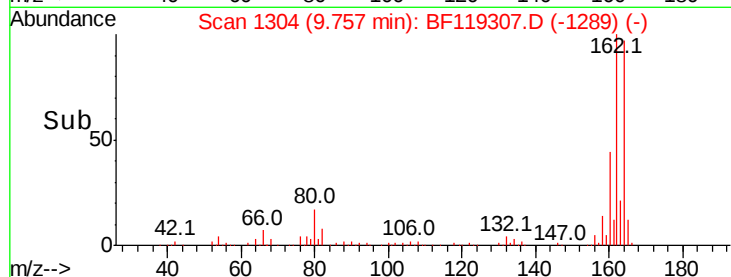


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

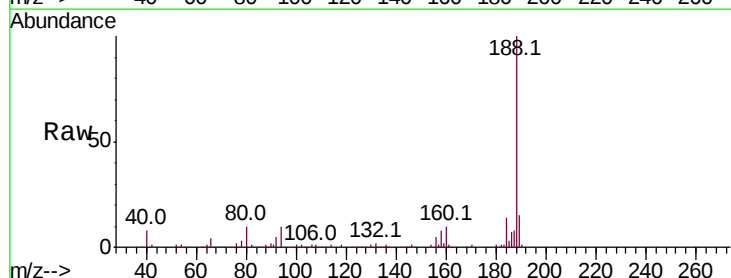
Ion 89.00 (88.70 to 89.70): BF1

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: BF119307.D
Acq: 10 Mar 2020 2:51

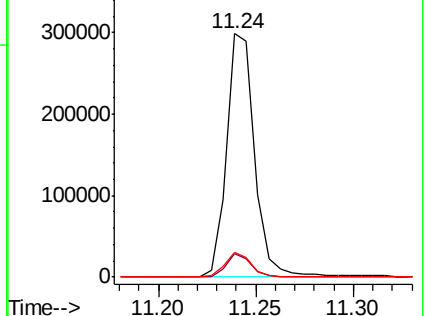
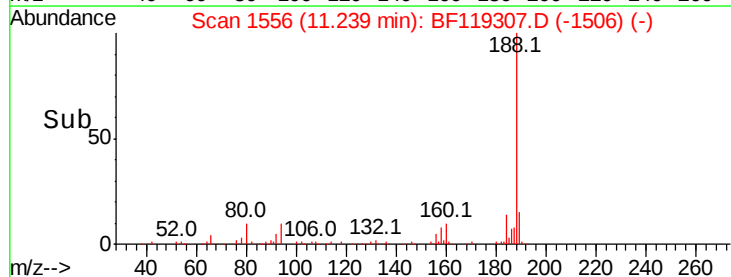
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.1	10.7
80	10.0	7.8	11.8

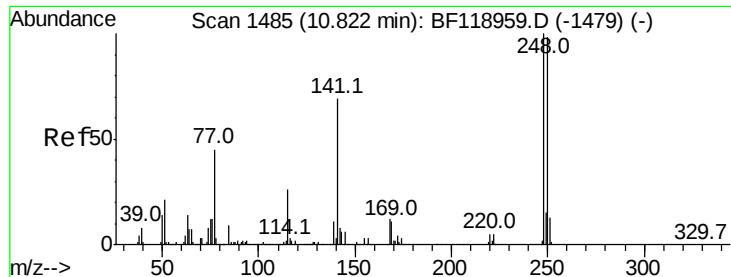


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

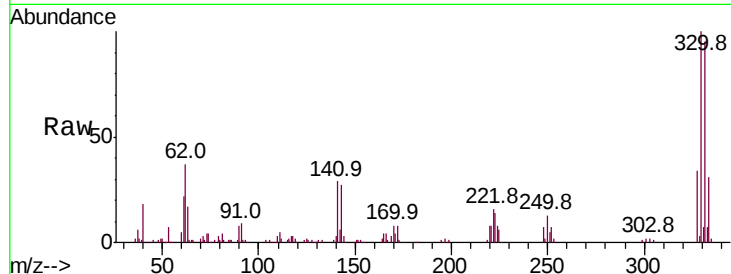




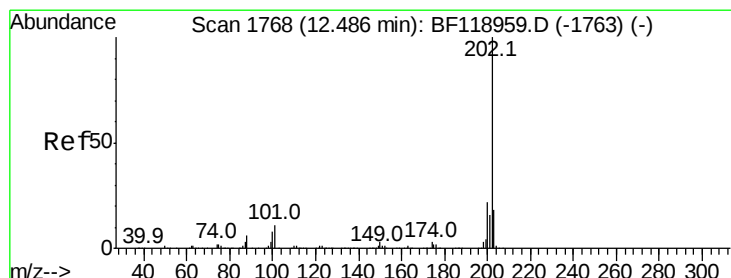
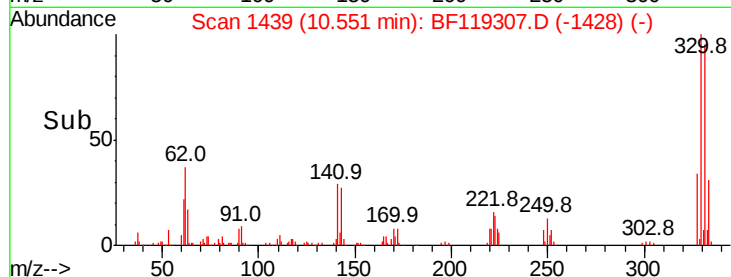
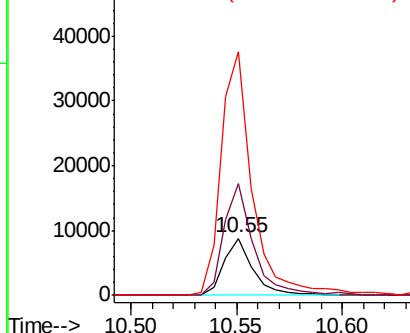
#67
4-Bromophenyl-phenylether
Concen: 2.169 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF119307.D
Acq: 10 Mar 2020 2:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8411
Ion Ratio Lower Upper
248 100
250 196.6 76.7 115.1#
141 428.6 60.7 91.1#

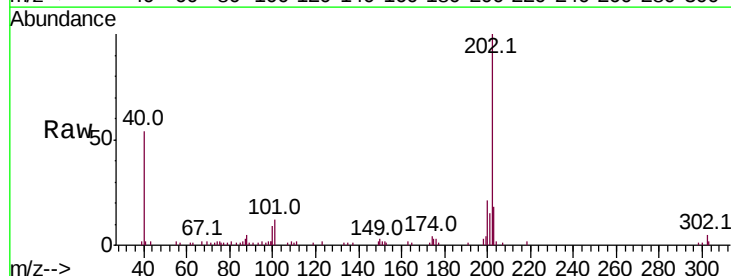


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

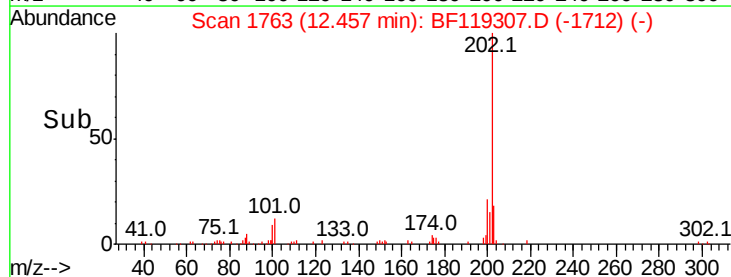
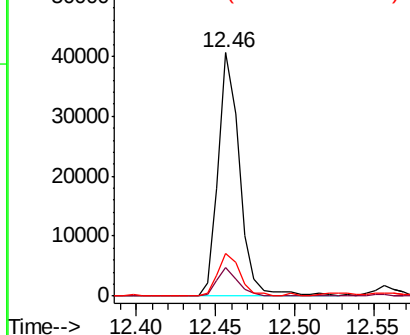


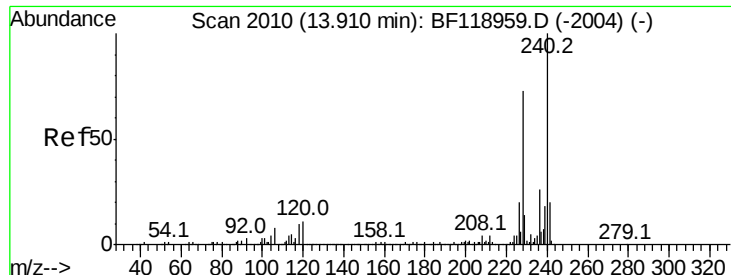
#75
Fluoranthene
Concen: 2.232 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.00 min
Lab File: BF119307.D
Acq: 10 Mar 2020 2:51

Tgt Ion:202 Resp: 38329
Ion Ratio Lower Upper
202 100
101 12.0 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. 0.00 min

Lab File: BF119307.D

Acq: 10 Mar 2020 2:51

Instrument :

BNA_F

ClientSampleId :

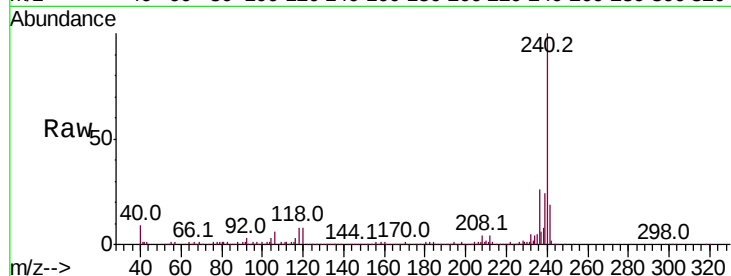
Tot Ion:240 Resp: 250028

Ion Ratio Lower Upper

240 100

120 8.2 8.4 12.6#

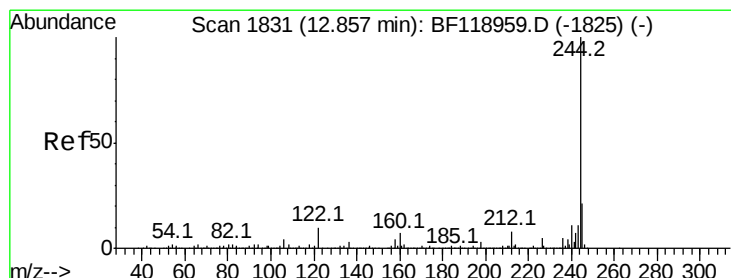
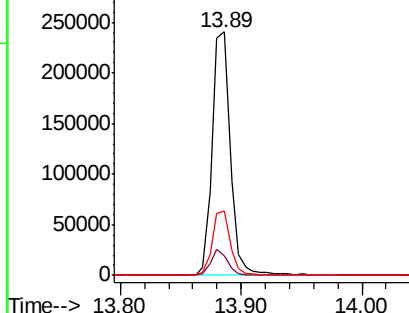
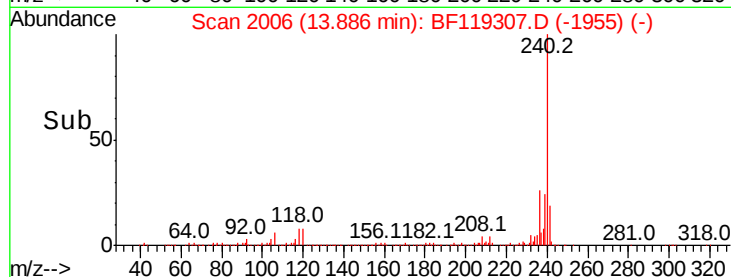
236 26.2 21.0 31.4



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



#79

Terphenyl-d14

Concen: 43.461 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119307.D

Acq: 10 Mar 2020 2:51

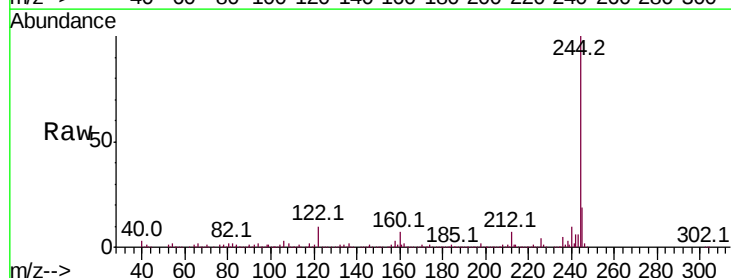
Tgt Ion:244 Resp: 631155

Ion Ratio Lower Upper

244 100

212 6.7 6.6 10.0

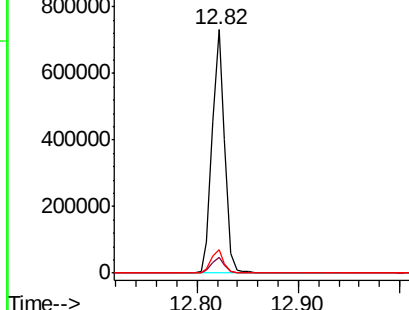
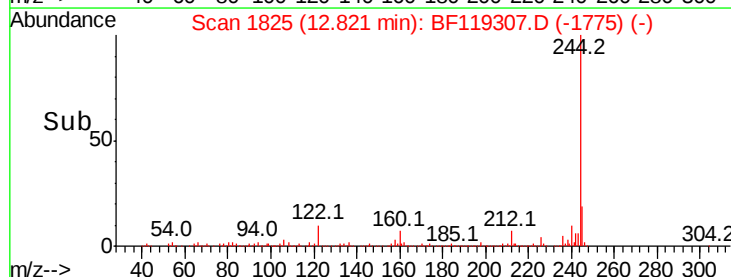
122 9.7 8.2 12.2

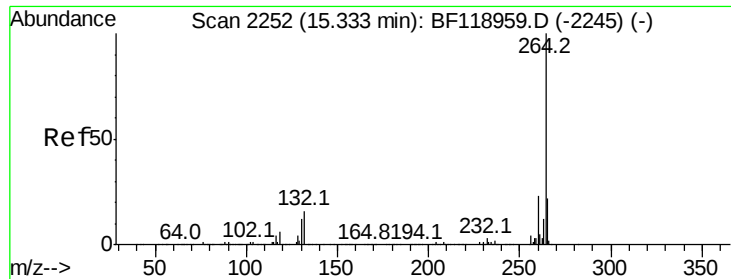


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

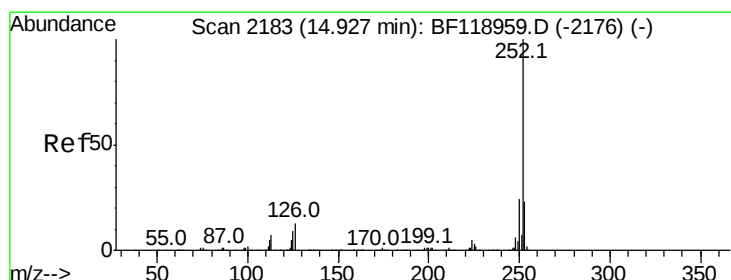
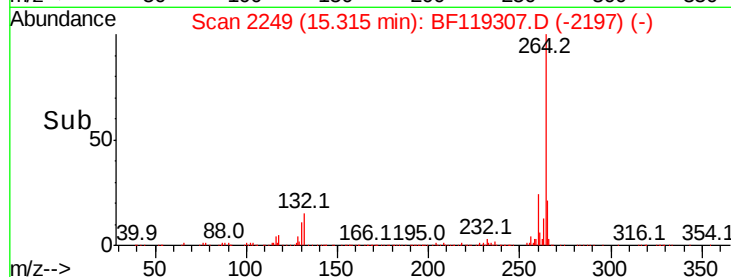
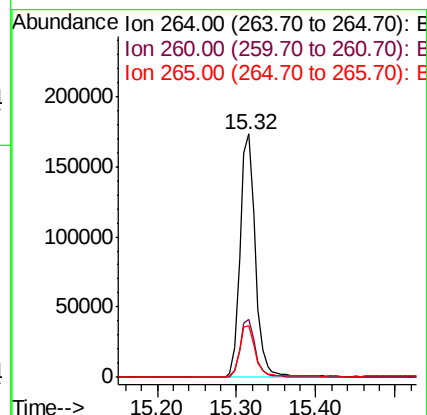
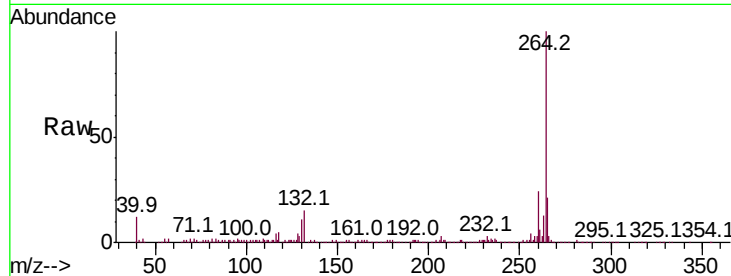




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF119307.D
Acq: 10 Mar 2020 2:51

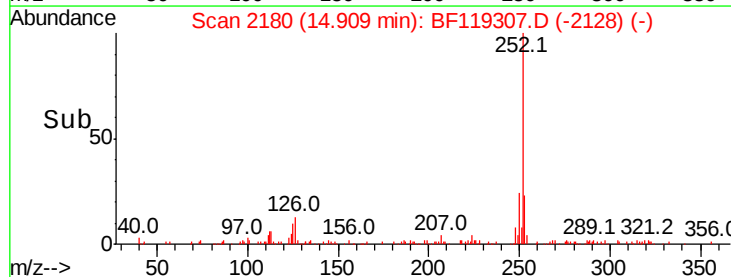
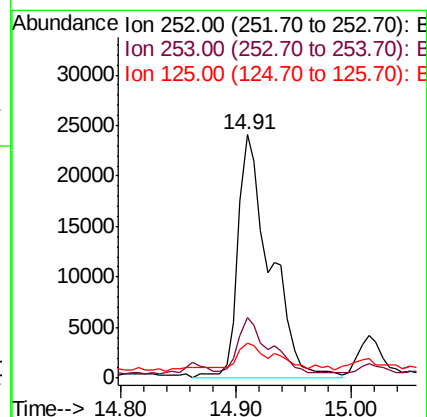
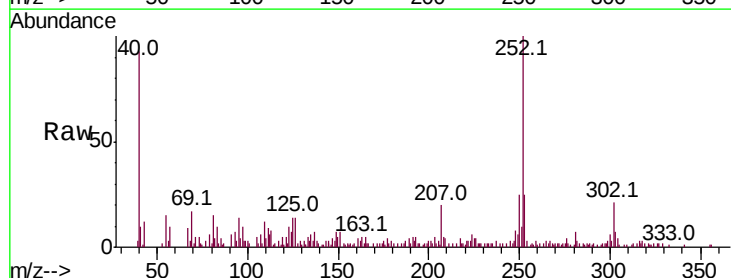
Instrument :
BNA_F
ClientSampleId :

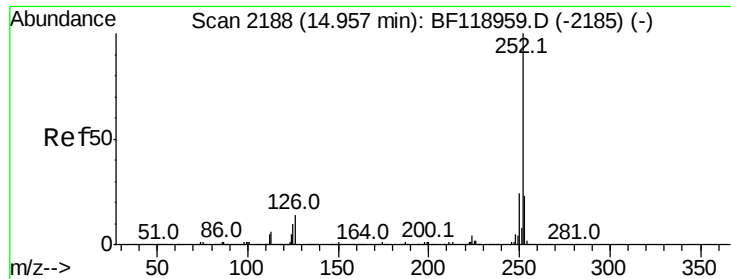
Tot Ion:264 Resp: 232012
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 21.0 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 3.070 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF119307.D
Acq: 10 Mar 2020 2:51

Tgt Ion:252 Resp: 46947
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 14.3 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.313 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BF119307.D

Acq: 10 Mar 2020 2:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 46947

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

125 14.3 7.5 11.3#

