

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051420\
 Data File : BF120305.D
 Acq On : 14 May 2020 21:56
 Operator : MA/SJ
 Sample : L2638-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 15 02:40:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 12:47:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	291176	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1118883	20.00	ng	0.00
39) Acenaphthene-d10	9.66	164	524388	20.00	ng	0.00
64) Phenanthrene-d10	11.14	188	875467	20.00	ng	0.00
76) Chrysene-d12	13.78	240	505250	20.00	ng	0.00
87) Perylene-d12	15.17	264	514723	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	1997506	133.48	ng	0.00
7) Phenol-d6	6.27	99	2634013	139.18	ng	0.00
23) Nitrobenzene-d5	7.19	82	1598971	97.84	ng	0.00
42) 2,4,6-Tribromophenol	10.45	330	524298	122.63	ng	0.00
45) 2-Fluorobiphenyl	8.99	172	2747271	107.63	ng	0.00
79) Terphenyl-d14	12.73	244	2150754	94.04	ng	0.00

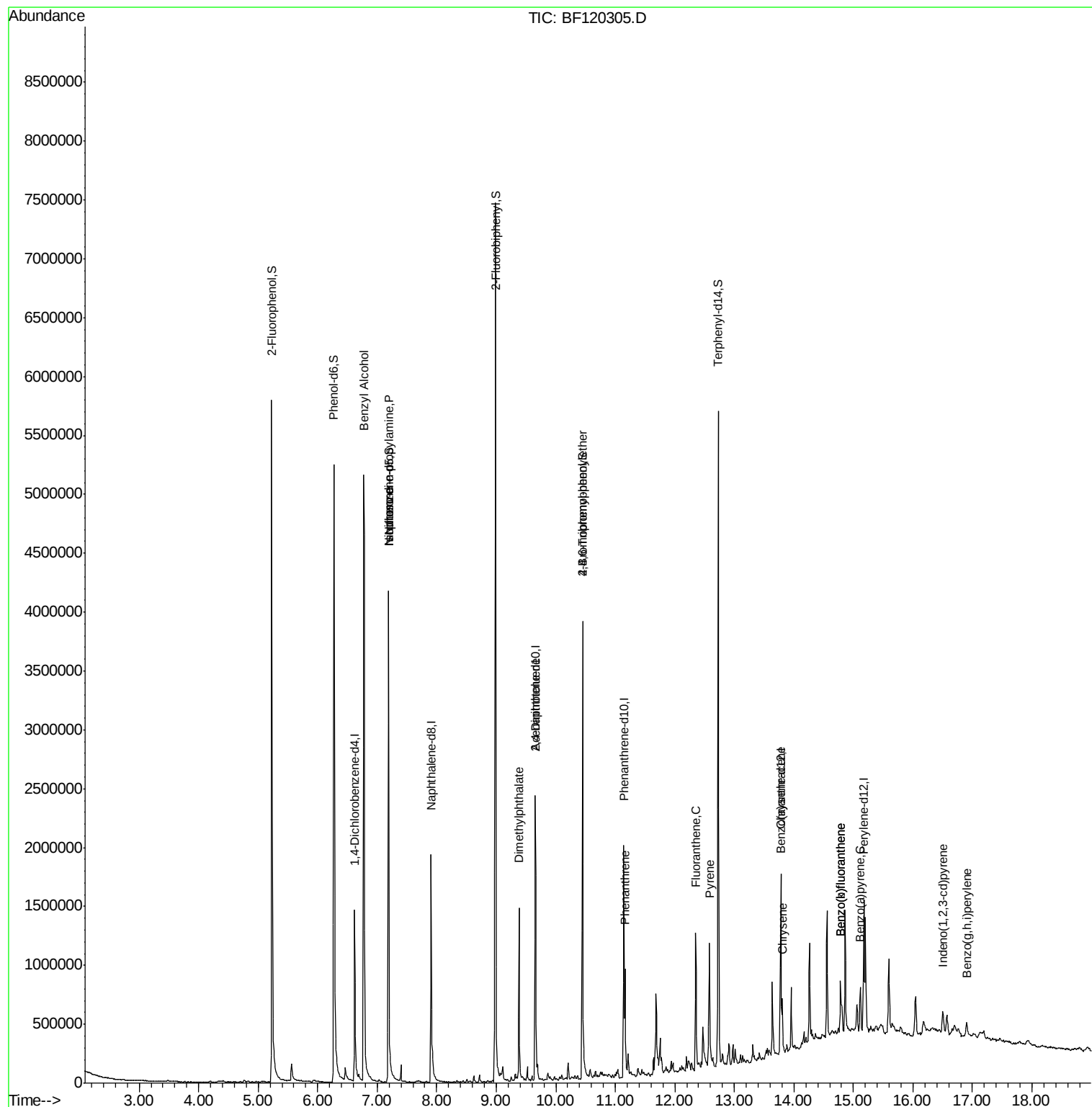
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.77	79	27522	2.047	ng	# 49
19) n-Nitroso-di-n-propylamine	7.19	70	205158	16.547	ng	# 79
25) Isophorone	7.19	82	1598963	47.025	ng	# 65
50) Dimethylphthalate	9.38	163	634215	19.132	ng	99
57) 2,4-Dinitrotoluene	9.66	165	70351	8.106	ng	# 16
67) 4-Bromophenyl-phenylether	10.45	248	32914	3.874	ng	# 1
71) Phenanthrene	11.16	178	352736	9.589	ng	98
75) Fluoranthene	12.35	202	512196	12.990	ng	98
78) Pyrene	12.58	202	487684	13.539	ng	98
81) Benzo(a)anthracene	13.77	228	198054	7.432	ng	97
83) Chrysene	13.80	228	192017	6.710	ng	97
86) Indeno(1,2,3-cd)pyrene	16.50	276	109001	4.197	ng	95
88) Benzo(b)fluoranthene	14.79	252	313819	11.164	ng	98
89) Benzo(k)fluoranthene	14.79	252	313819	12.886	ng	98
90) Benzo(a)pyrene	15.12	252	177003	7.021	ng	98
92) Benzo(g,h,i)perylene	16.90	276	105820	4.699	ng	97

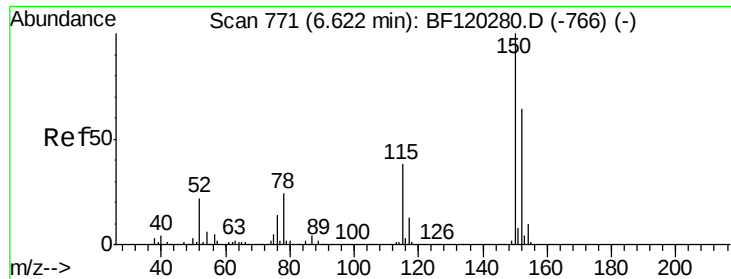
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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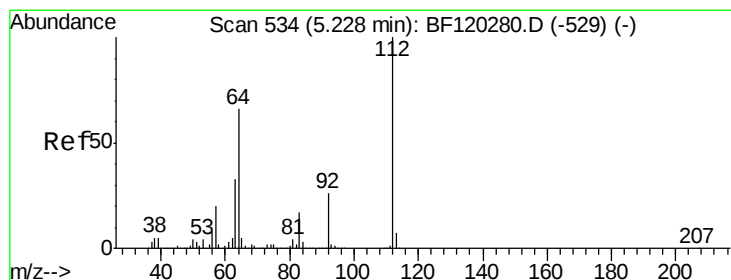
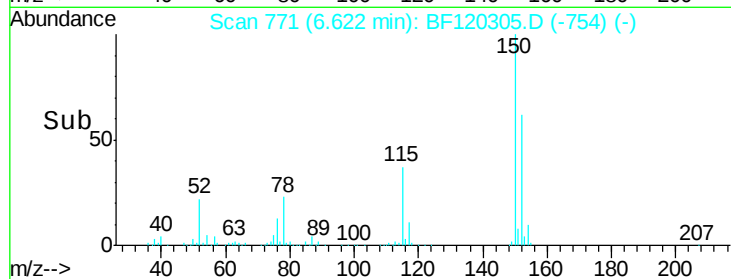
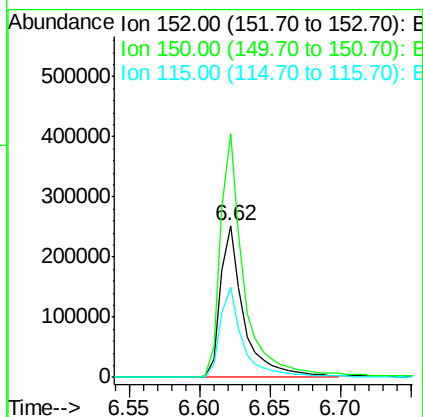
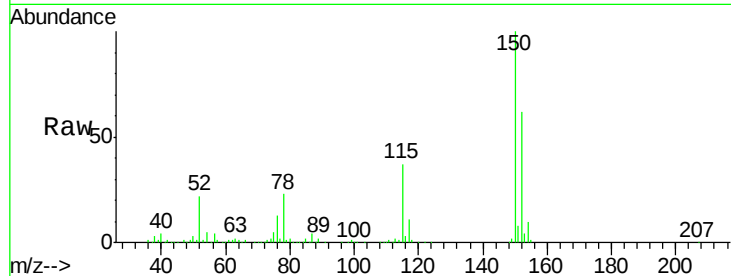


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF120305.D
Acq: 14 May 2020 21:56

Instrument :
BNA_F
ClientSampleId :

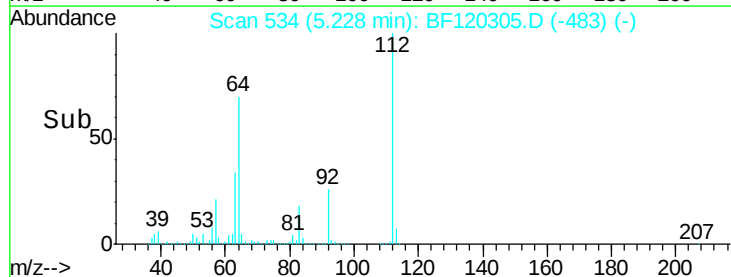
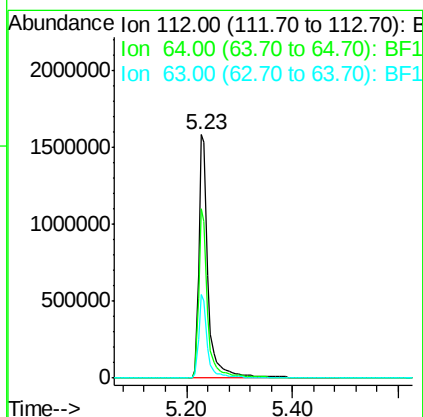
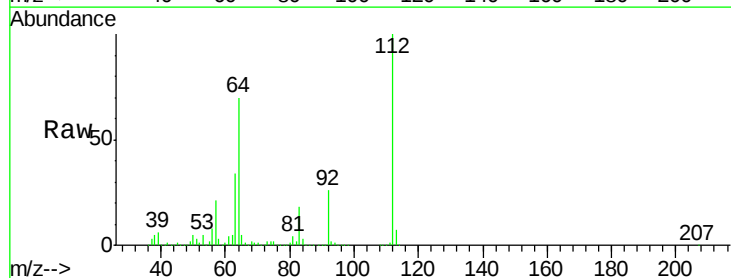
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.2	189.2
115	59.2	47.9	71.9

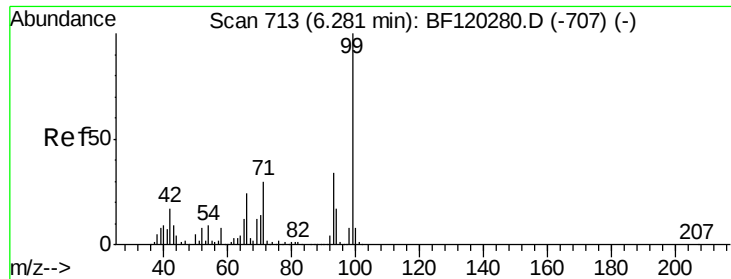


#5

2-Fluorophenol
Concen: 133.478 ng
RT: 5.23 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF120305.D
Acq: 14 May 2020 21:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	52.7	79.1
63	34.2	26.2	39.4





#7

Phenol-d6

Concen: 139.184 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

Instrument :

BNA_F

ClientSampleId :

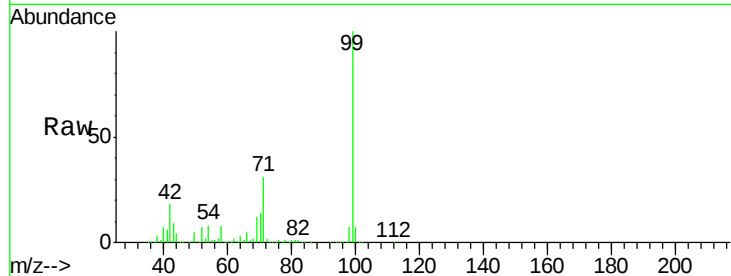
Tot Ion: 99 Resp: 2634013

Ion Ratio Lower Upper

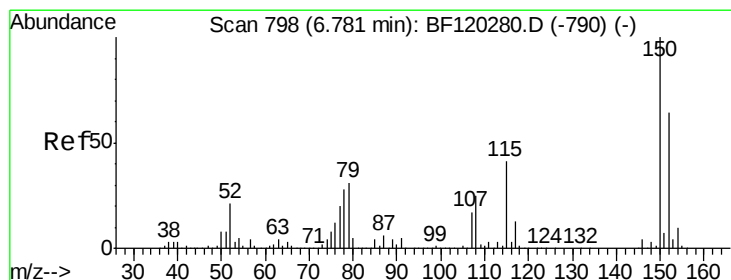
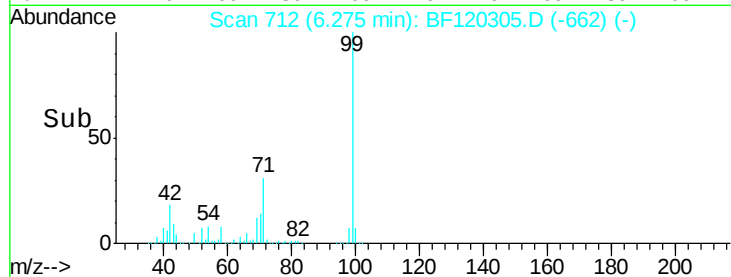
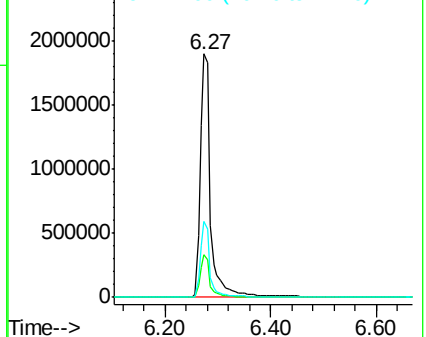
99 100

42 17.7 13.6 20.4

71 31.3 24.2 36.4



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



#15

Benzyl Alcohol

Concen: 2.047 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

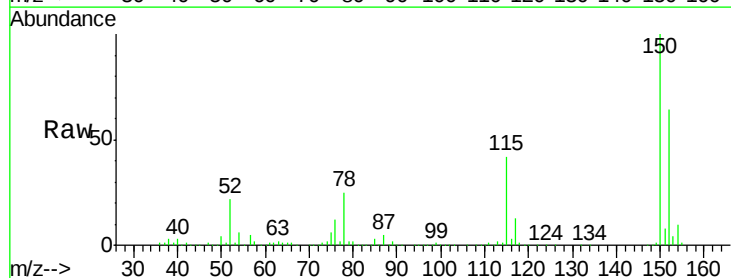
Tgt Ion: 79 Resp: 27522

Ion Ratio Lower Upper

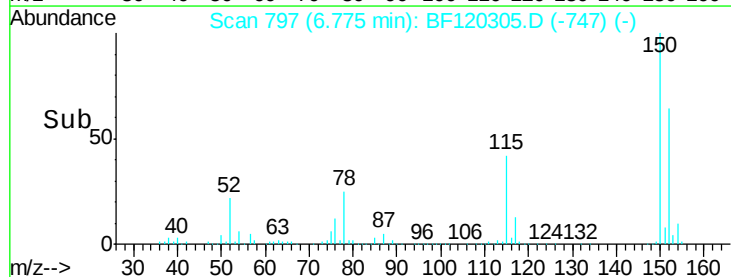
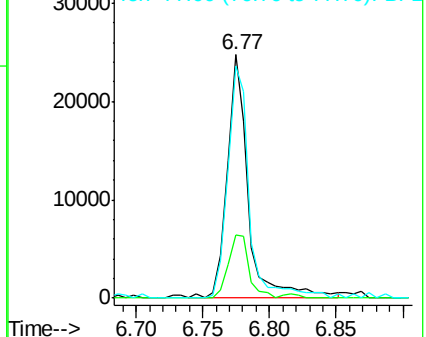
79 100

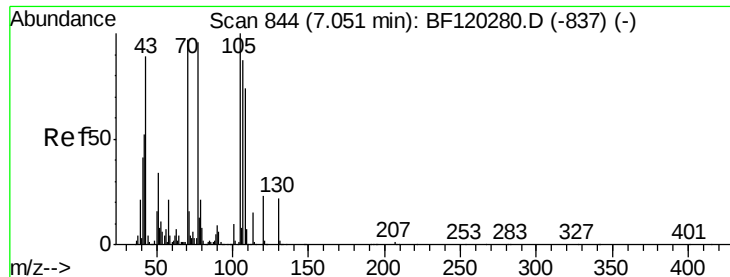
108 26.2 64.2 96.4#

77 95.3 51.6 77.4#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

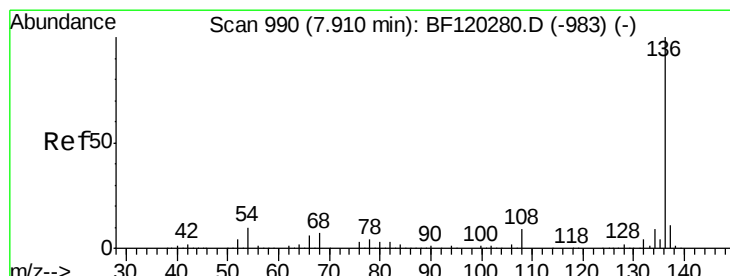
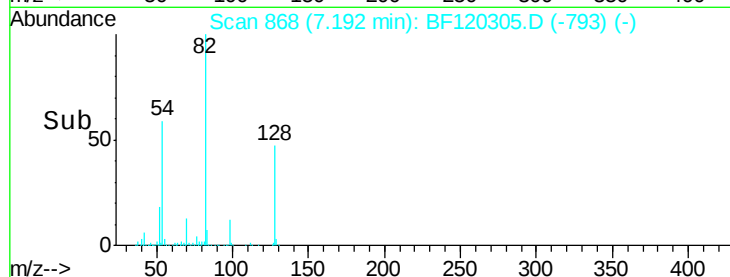
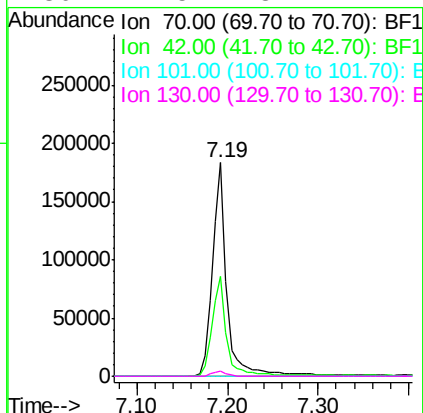
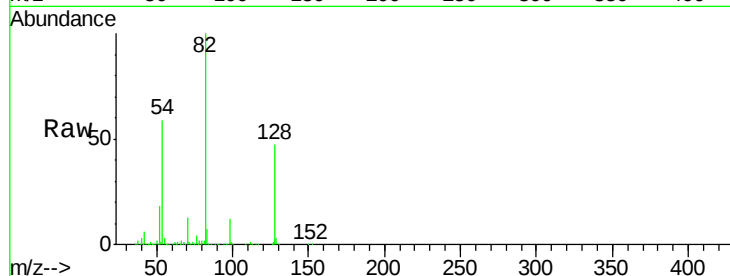




#19
n-Nitroso-di-n-propylamine
Concen: 16.547 ng
RT: 7.19 min Scan# 868
Delta R.T. 0.14 min
Lab File: BF120305.D
Acq: 14 May 2020 21:56

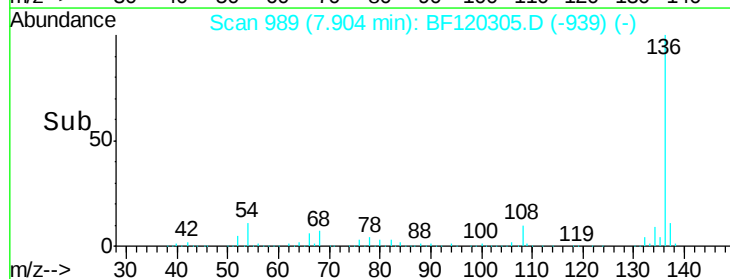
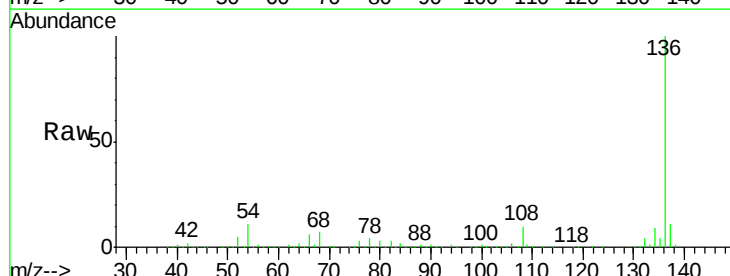
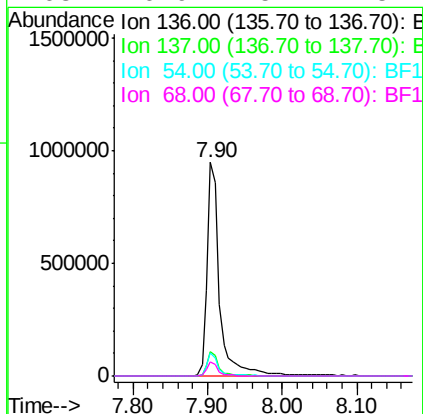
Instrument :
BNA_F
ClientSampleId :

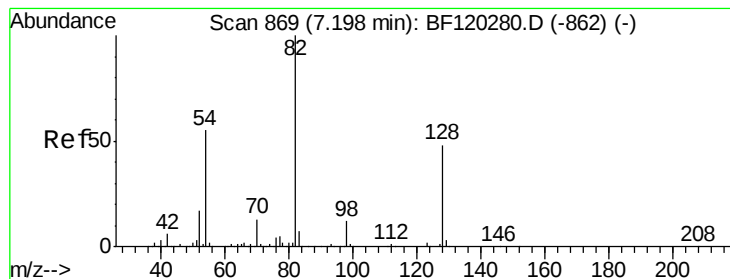
Tot Ion: 70 Resp: 205158
Ion Ratio Lower Upper
70 100
42 46.5 43.4 65.0
101 0.0 7.8 11.8#
130 2.5 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF120305.D
Acq: 14 May 2020 21:56

Tgt Ion: 136 Resp: 1118883
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 10.8 7.9 11.9
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 97.844 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

Instrument :

BNA_F

ClientSampleId :

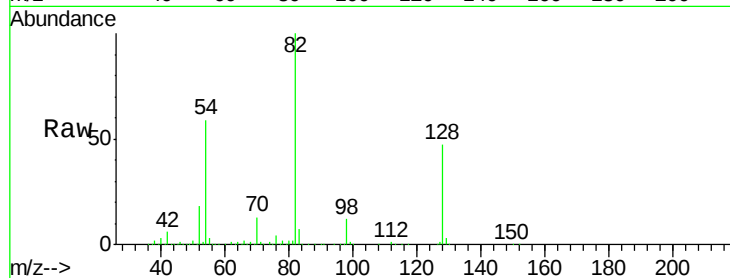
Tot Ion: 82 Resp: 1598971

Ion Ratio Lower Upper

82 100

128 47.4 38.3 57.5

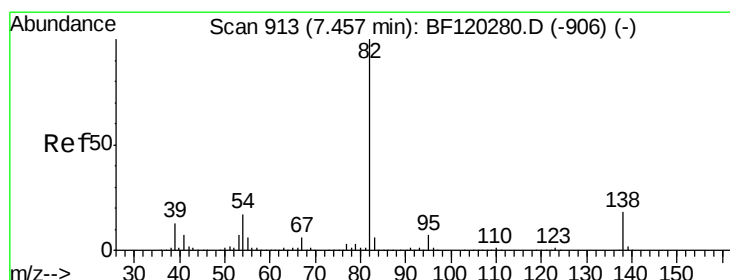
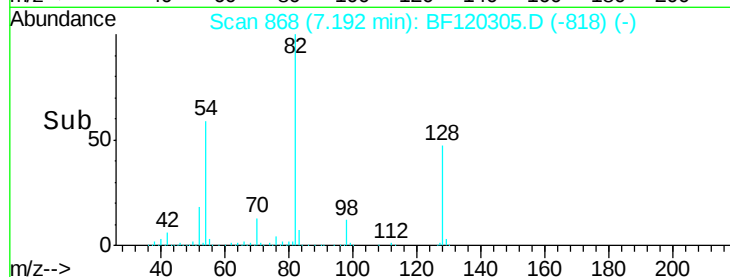
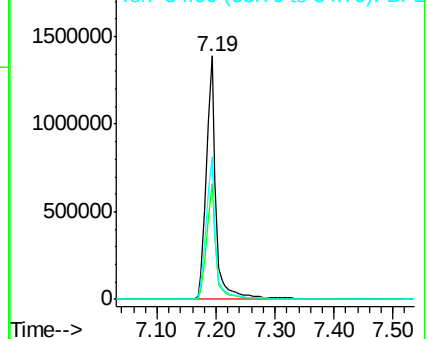
54 58.7 43.9 65.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 47.025 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.26 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

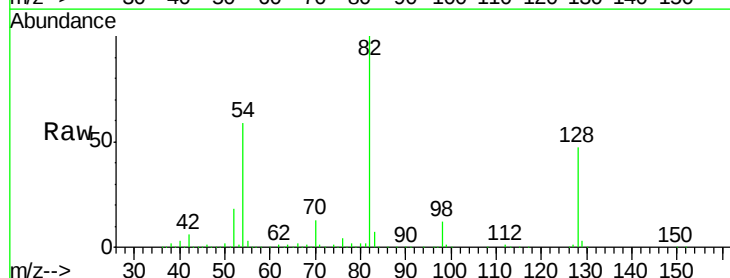
Tgt Ion: 82 Resp: 1598963

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

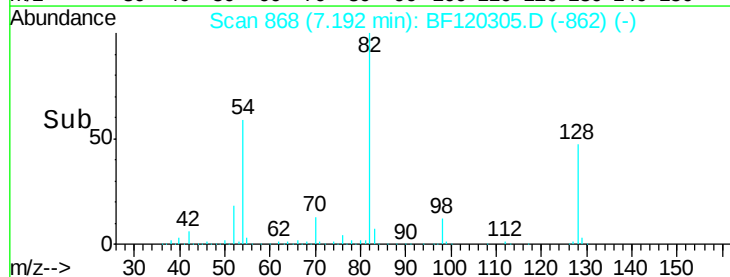
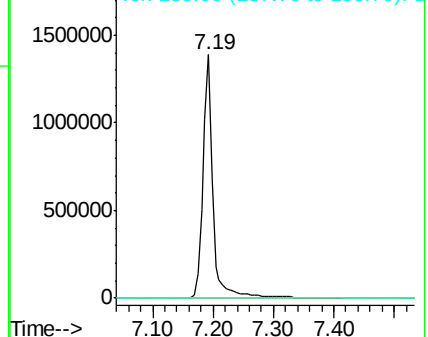
138 0.0 14.7 22.1#

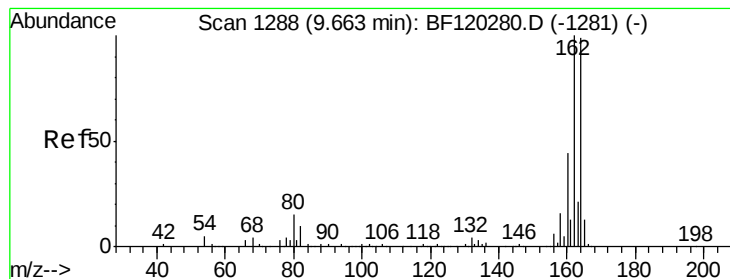


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

Instrument :

BNA_F

ClientSampleId :

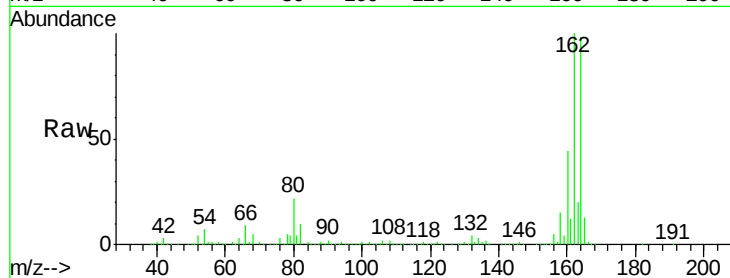
Tot Ion:164 Resp: 524388

Ion Ratio Lower Upper

164 100

162 101.6 81.2 121.8

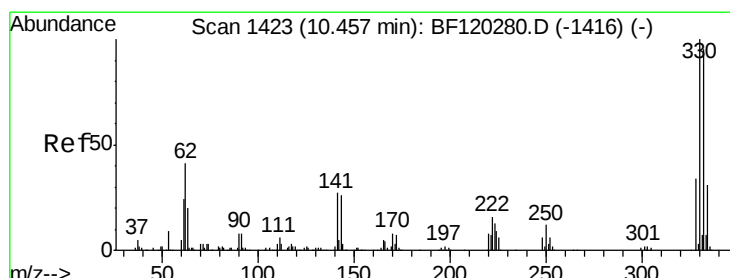
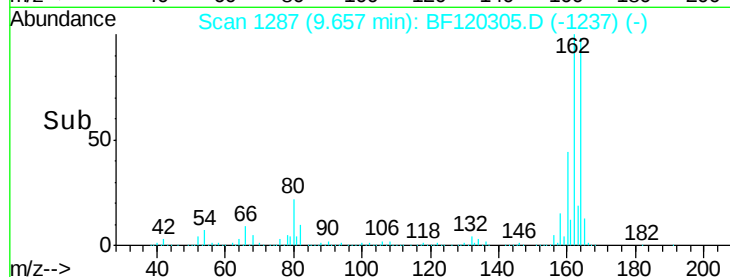
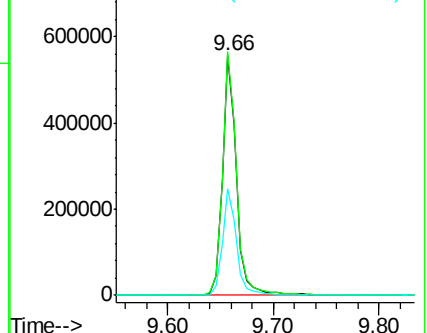
160 44.6 35.8 53.6



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: 122.626 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

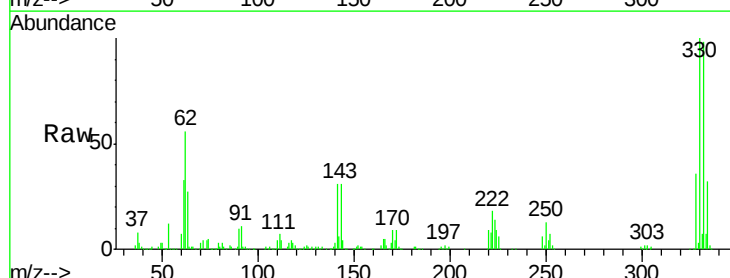
Tgt Ion:330 Resp: 524298

Ion Ratio Lower Upper

330 100

332 97.2 76.5 114.7

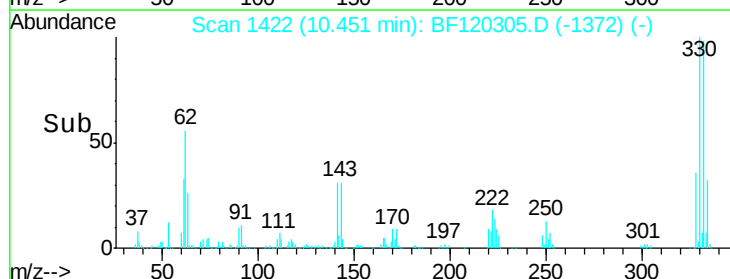
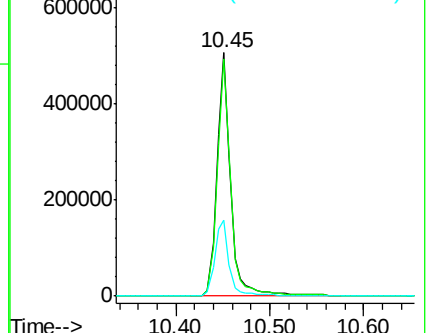
141 33.5 25.4 38.0

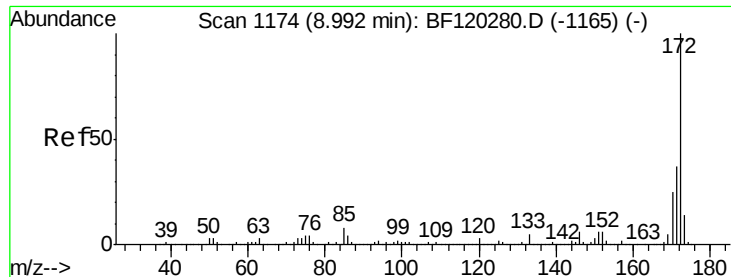


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



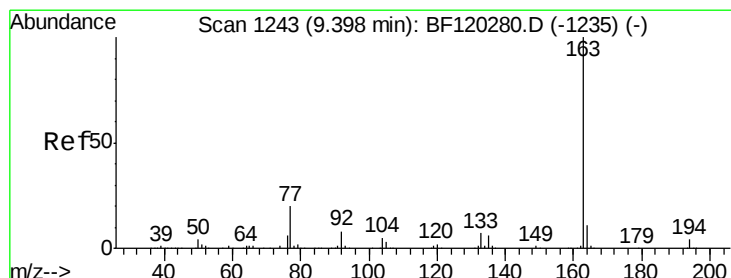
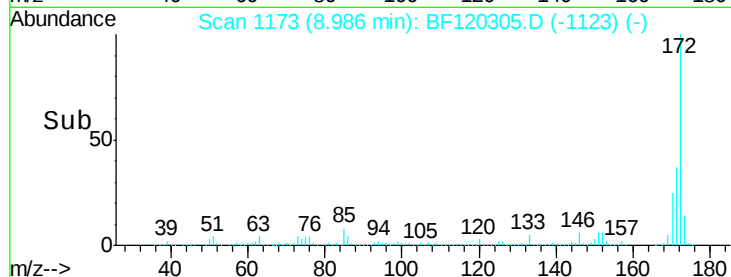
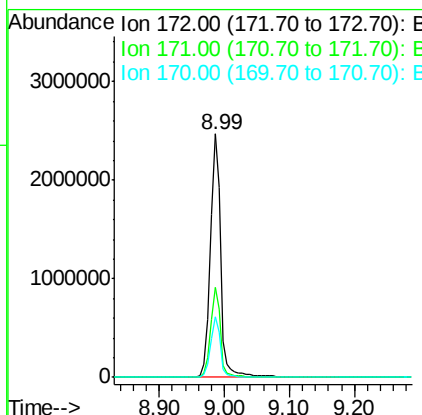
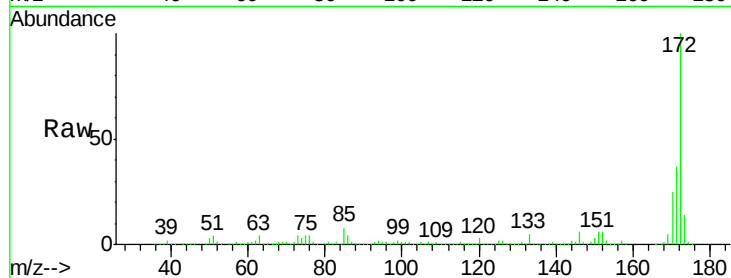


#45
 2-Fluorobiphenyl
 Concen: 107.634 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF120305.D
 Acq: 14 May 2020 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 2747271

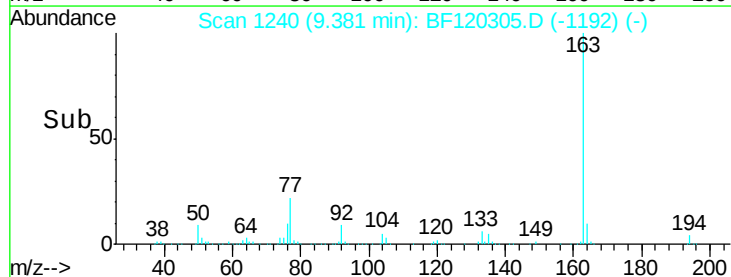
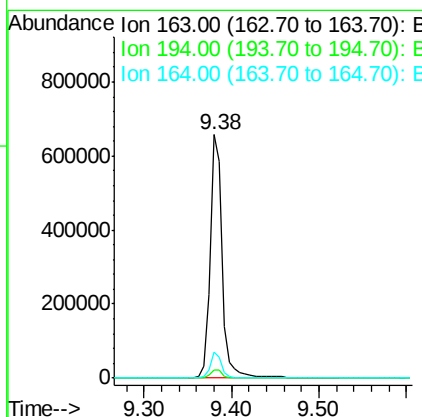
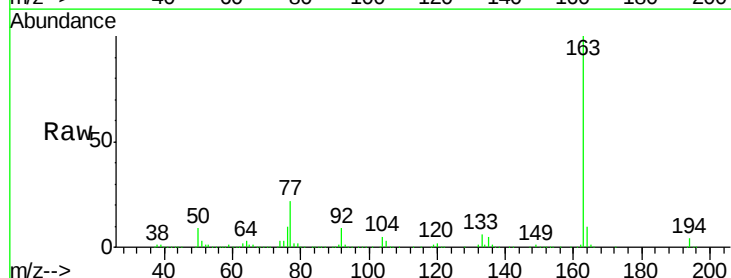
Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.9	19.9	29.9

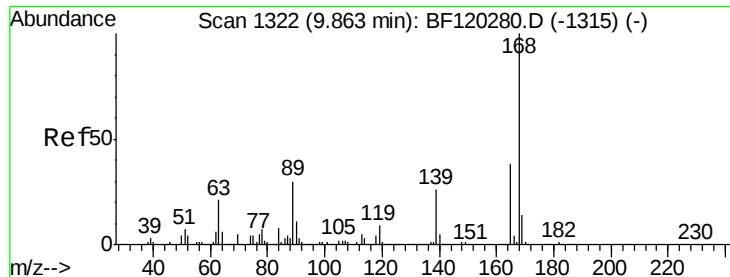


#50
 Dimethylphthalate
 Concen: 19.132 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.02 min
 Lab File: BF120305.D
 Acq: 14 May 2020 21:56

Tgt Ion:163 Resp: 634215

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.5	8.6	12.8

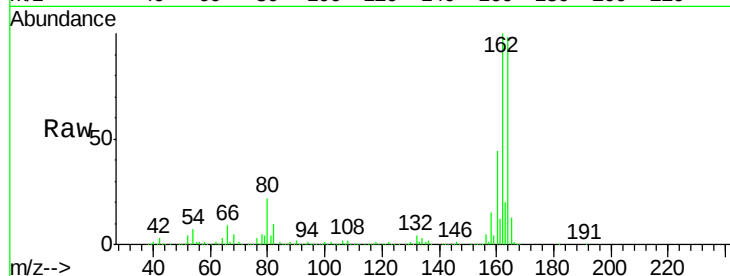




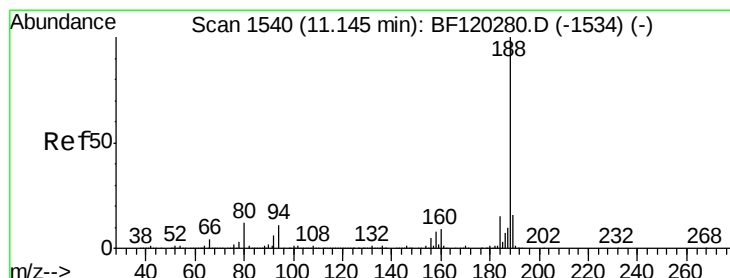
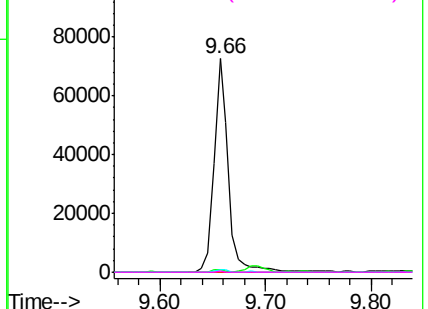
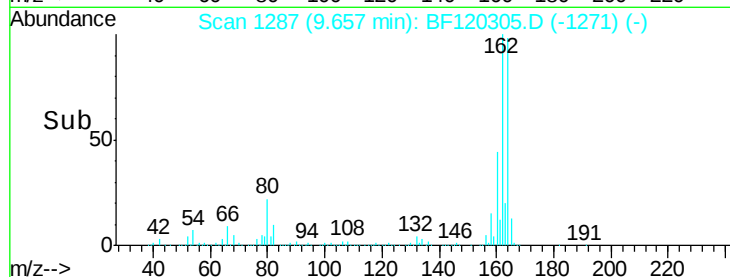
#57
 2,4-Dinitrotoluene
 Concen: 8.106 ng
 RT: 9.66 min Scan# 1287
 Delta R.T. -0.21 min
 Lab File: BF120305.D
 Acq: 14 May 2020 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 70351
 Ion Ratio Lower Upper
 165 100
 63 1.2 51.8 77.8#
 89 1.0 64.2 96.4#
 182 0.5 2.0 3.0#

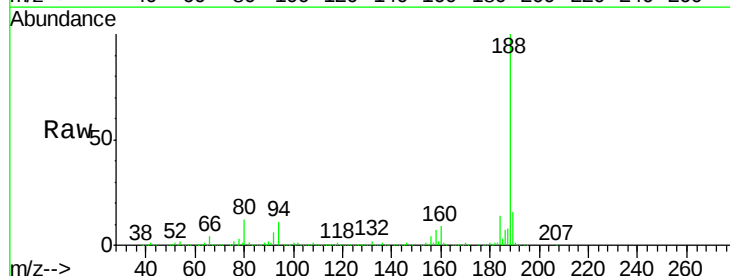


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

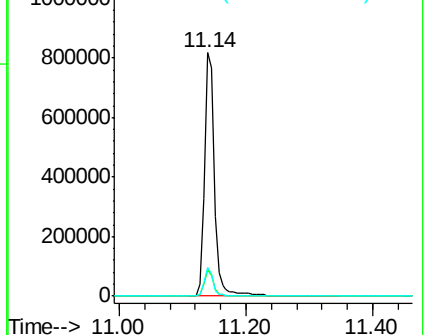
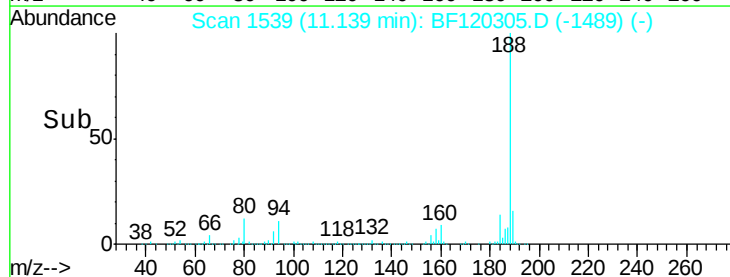


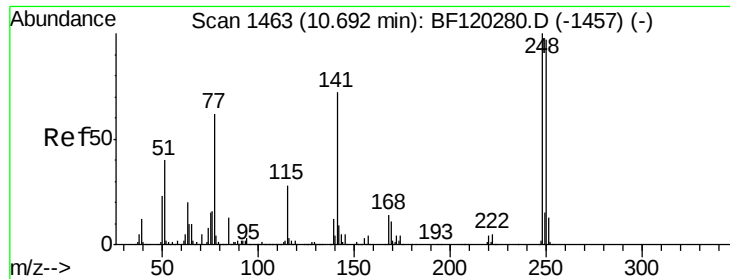
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.14 min Scan# 1539
 Delta R.T. -0.01 min
 Lab File: BF120305.D
 Acq: 14 May 2020 21:56

Tgt Ion:188 Resp: 875467
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.6 13.0
 80 11.5 9.2 13.8



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

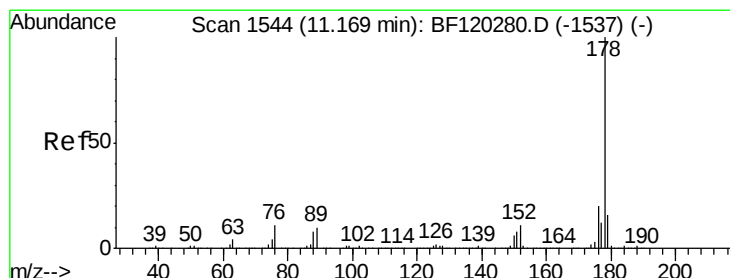
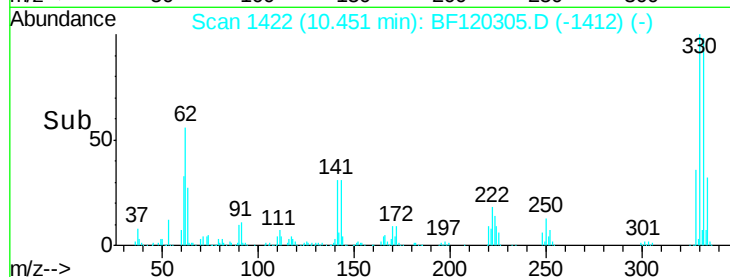
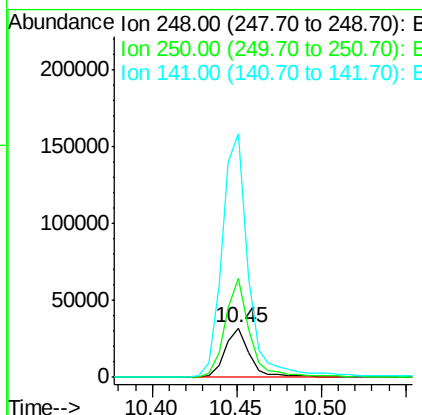
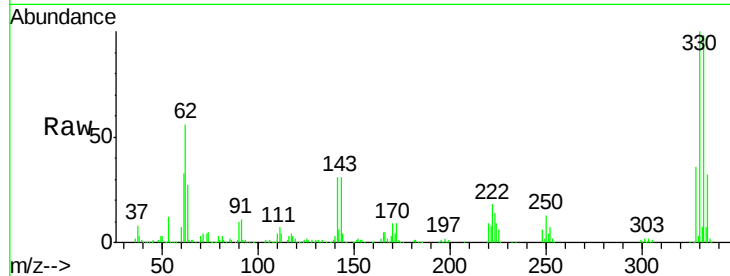




#67
 4-Bromophenyl-phenylether
 Concen: 3.874 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.24 min
 Lab File: BF120305.D
 Acq: 14 May 2020 21:56

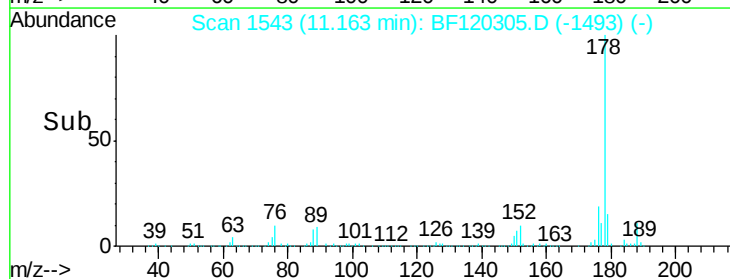
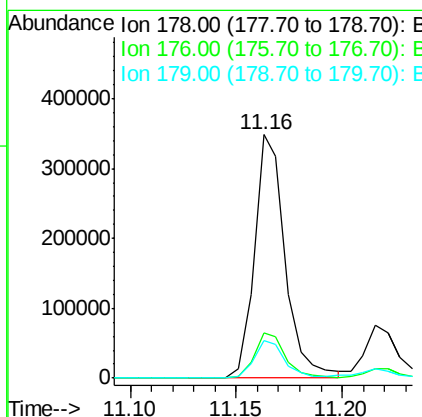
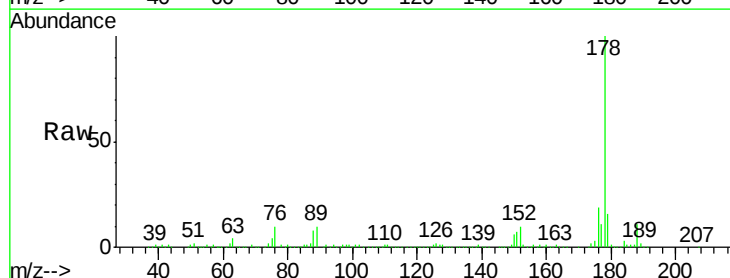
Instrument :
 BNA_F
 ClientSampled :

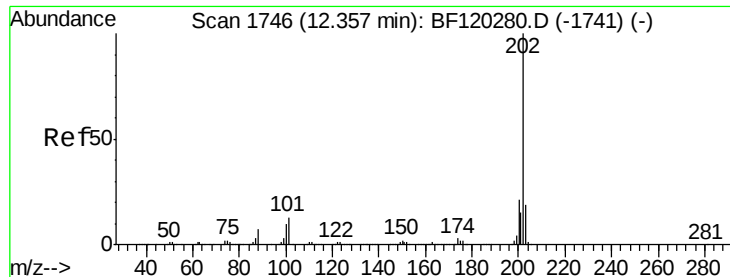
Tot Ion:248 Resp: 32914
 Ion Ratio Lower Upper
 248 100
 250 201.6 77.8 116.6#
 141 494.9 57.7 86.5#



#71
 Phenanthrene
 Concen: 9.589 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BF120305.D
 Acq: 14 May 2020 21:56

Tgt Ion:178 Resp: 352736
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.6 12.8 19.2





#75

Fluoranthene

Concen: 12.990 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

Instrument :

BNA_F

ClientSampleId :

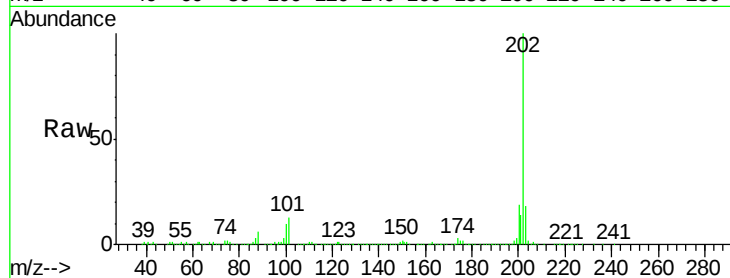
Tot Ion:202 Resp: 512196

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

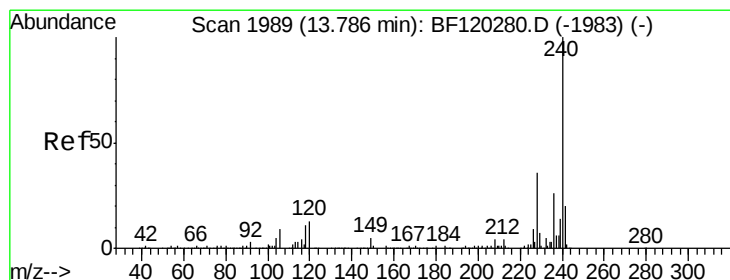
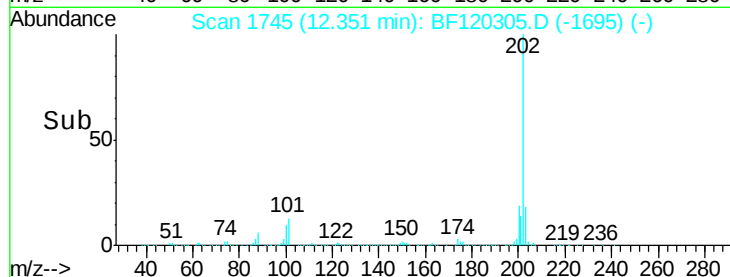
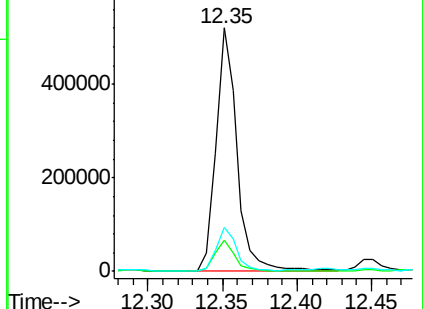
203 17.8 0.0 39.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

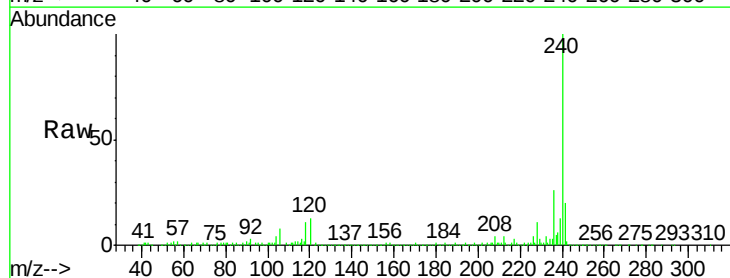
Tgt Ion:240 Resp: 505250

Ion Ratio Lower Upper

240 100

120 12.5 10.4 15.6

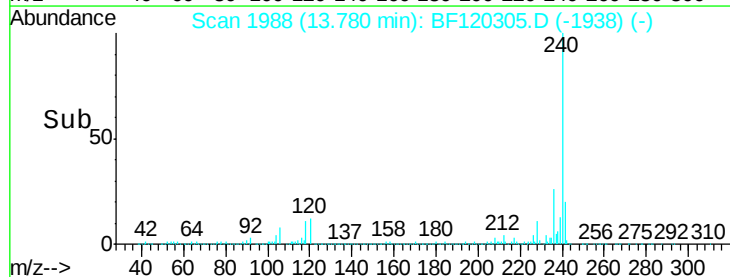
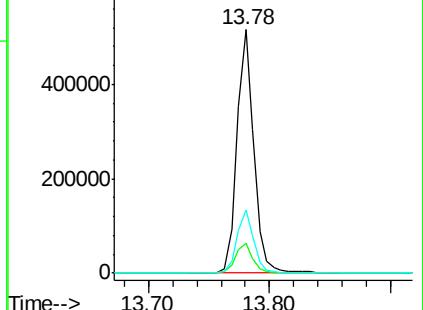
236 25.9 21.0 31.6

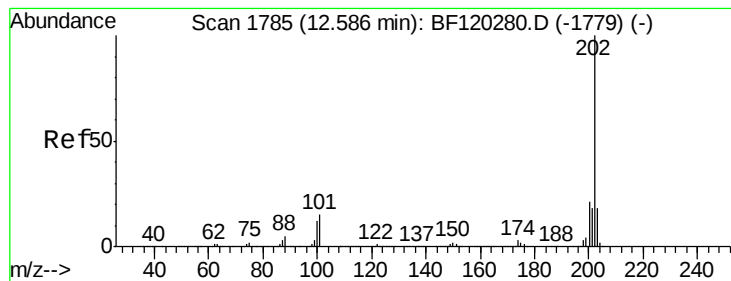


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.539 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

Instrument :

BNA_F

ClientSampleId :

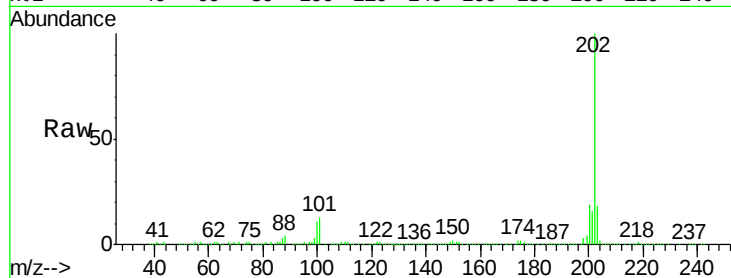
Tot Ion:202 Resp: 487684

Ion Ratio Lower Upper

202 100

200 19.2 16.6 25.0

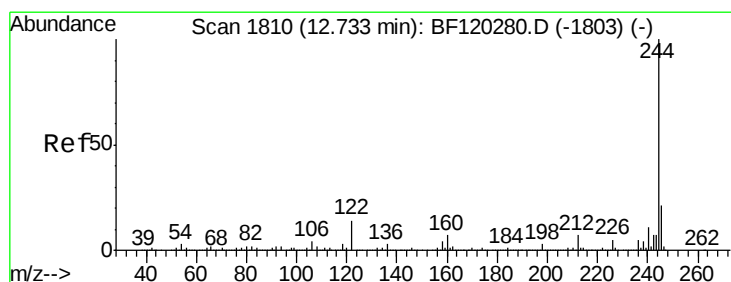
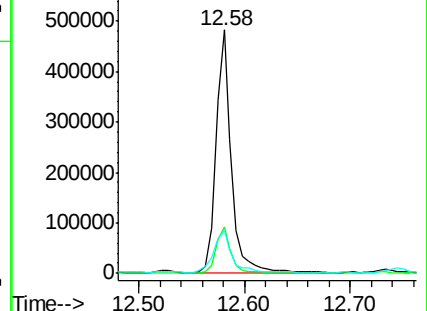
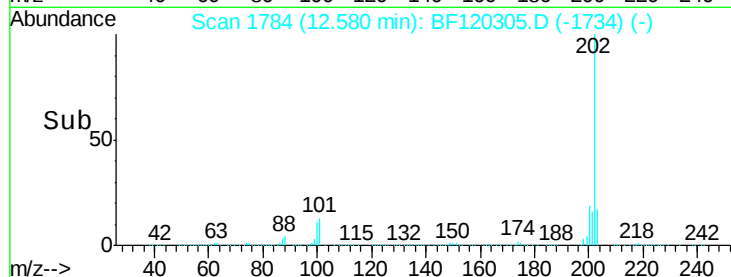
203 17.7 14.6 22.0



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: 94.042 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

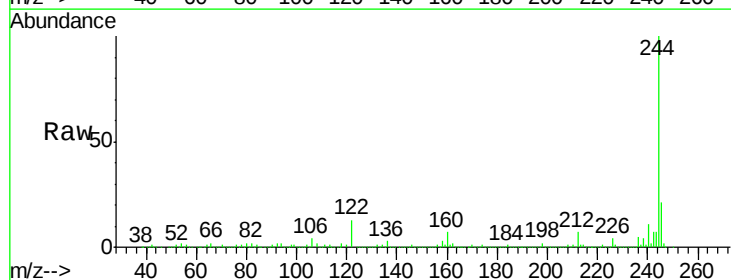
Tgt Ion:244 Resp: 2150754

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

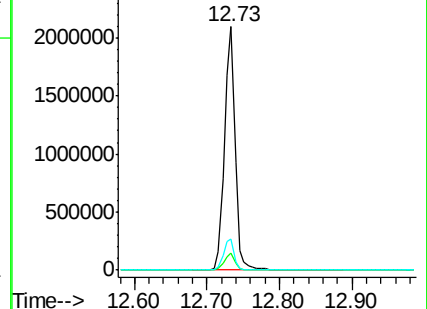
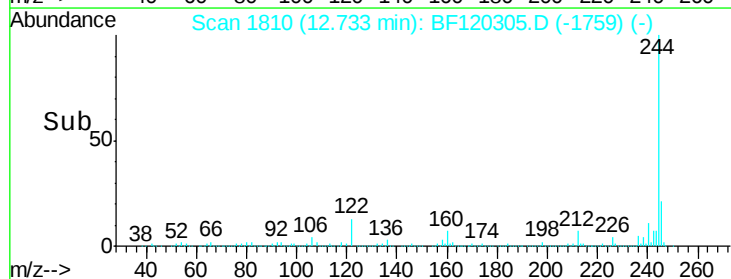
122 13.0 10.8 16.2

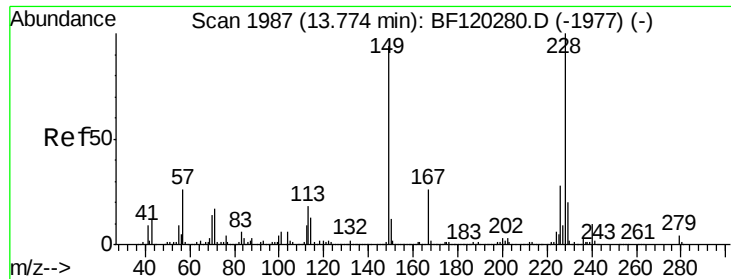


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

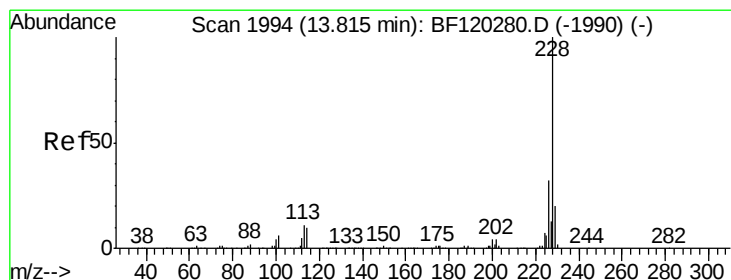
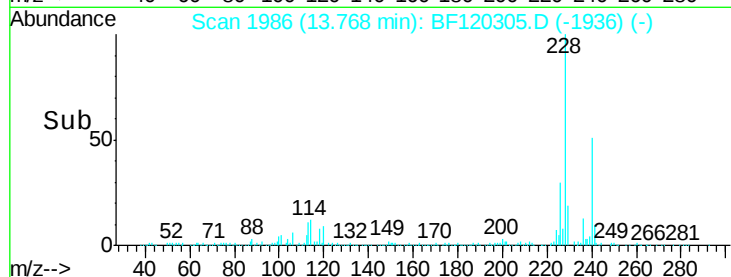
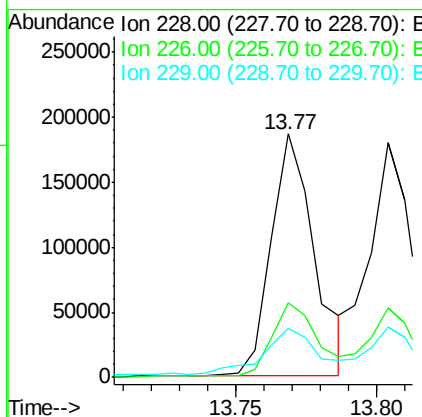
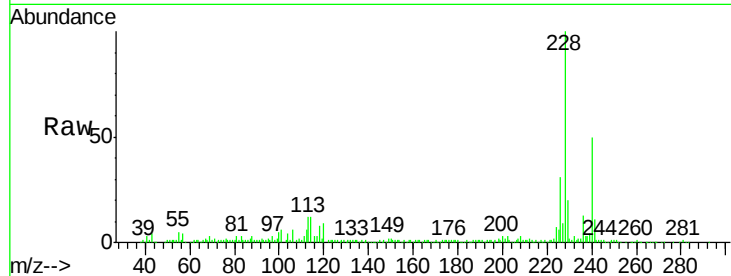




#81
Benzo(a)anthracene
Concen: 7.432 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF120305.D
Acq: 14 May 2020 21:56

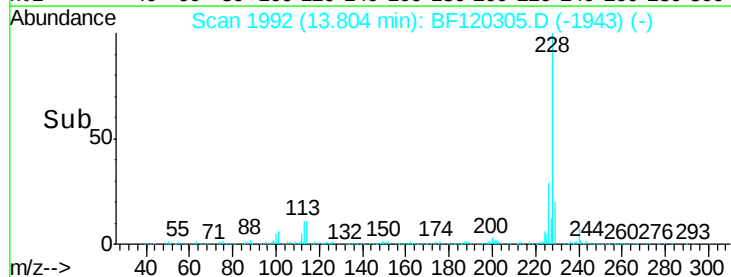
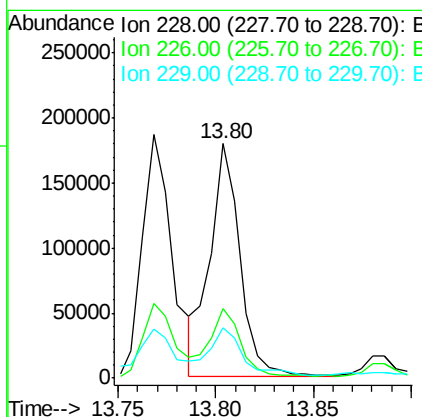
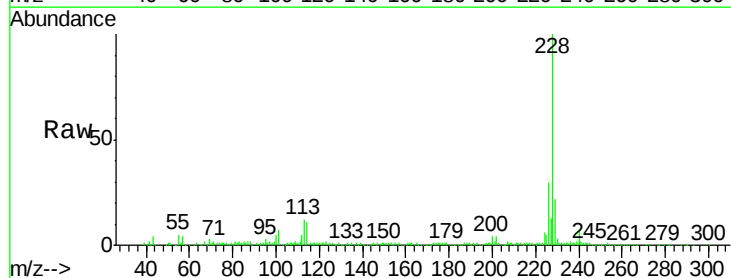
Instrument :
BNA_F
ClientSampleId :

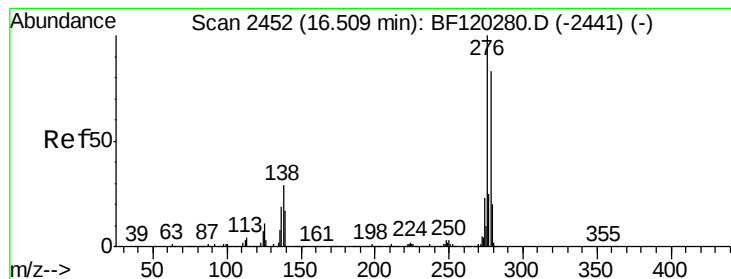
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	19.9	16.4	24.6



#83
Chrysene
Concen: 6.710 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF120305.D
Acq: 14 May 2020 21:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	21.7	16.2	24.4





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.197 ng

RT: 16.50 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

Instrument :

BNA_F

ClientSampleId :

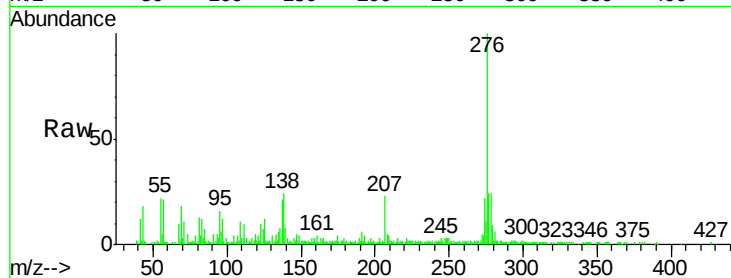
Tot Ion:276 Resp: 109001

Ion Ratio Lower Upper

276 100

138 25.1 23.3 34.9

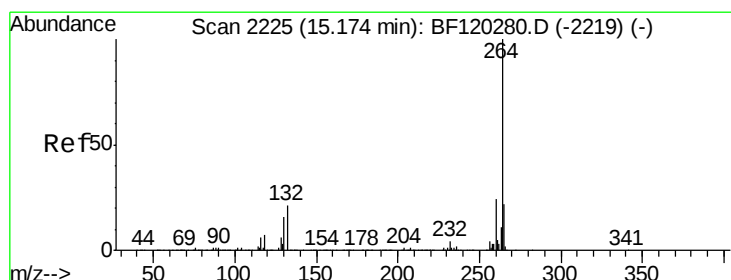
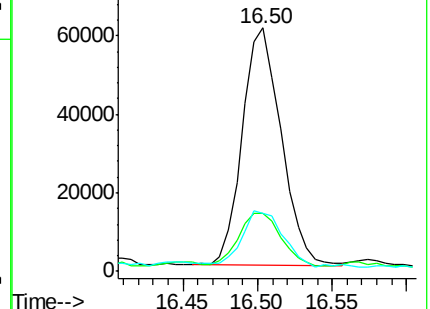
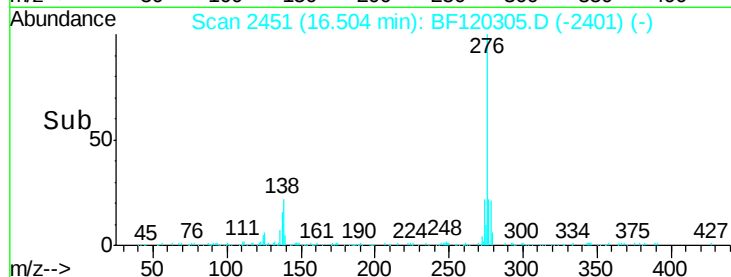
277 24.7 20.2 30.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.17 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BF120305.D

Acq: 14 May 2020 21:56

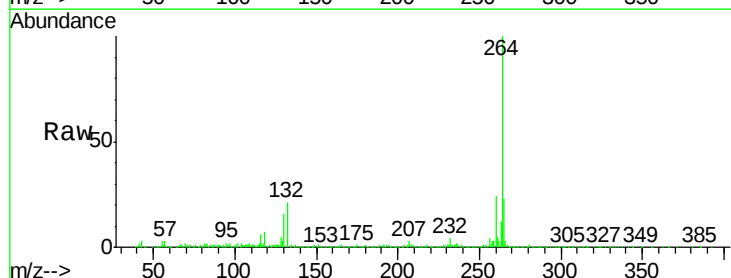
Tgt Ion:264 Resp: 514723

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

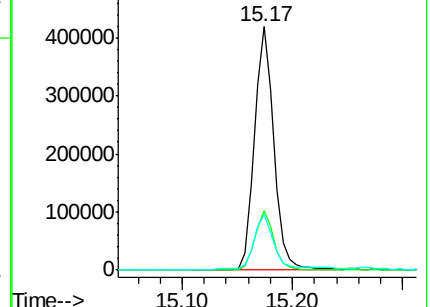
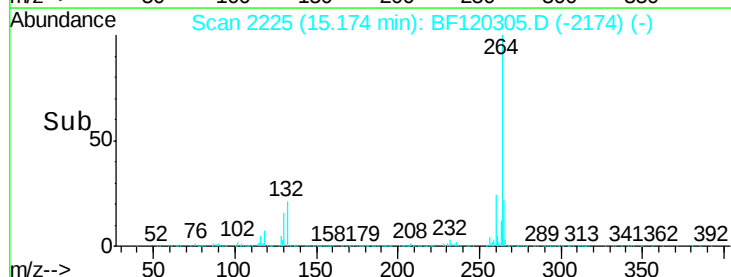
265 22.6 17.5 26.3

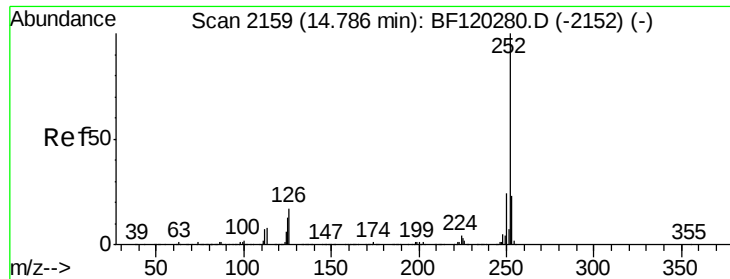


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

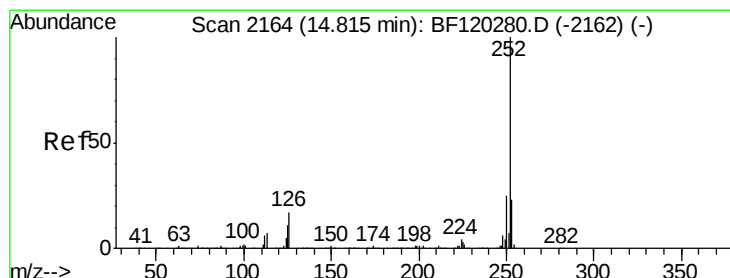
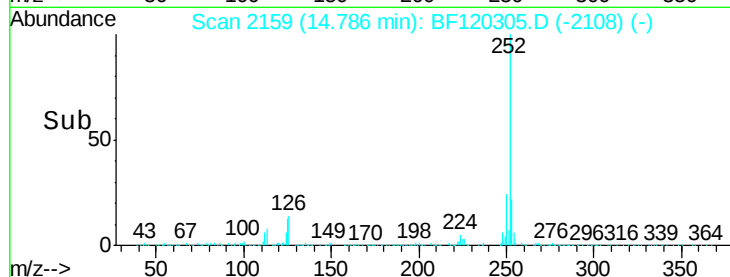
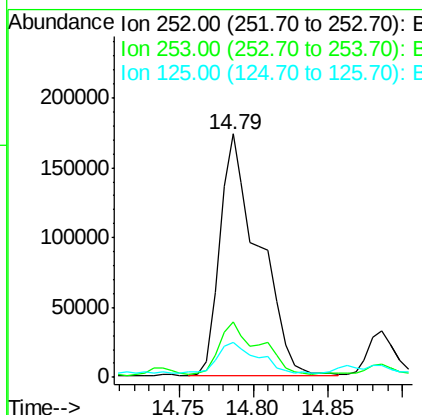
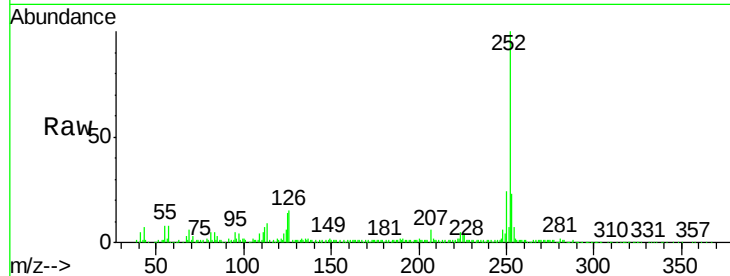




#88
Benzo(b)fluoranthene
Concen: 11.164 ng
RT: 14.79 min Scan# 2159
Delta R.T. 0.00 min
Lab File: BF120305.D
Acq: 14 May 2020 21:56

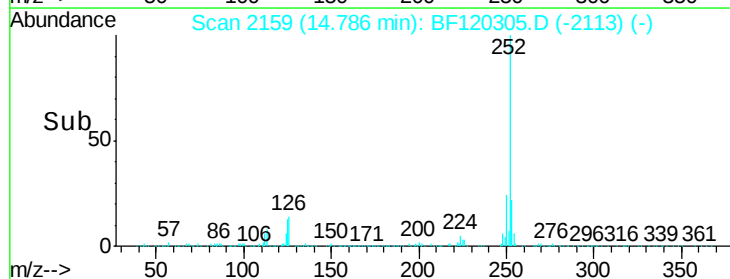
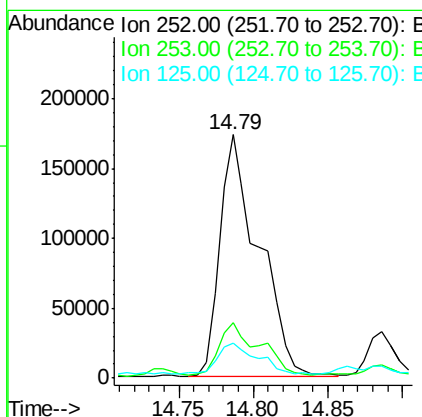
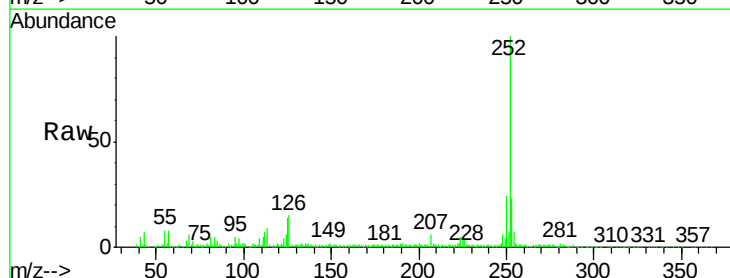
Instrument :
BNA_F
ClientSampleId :

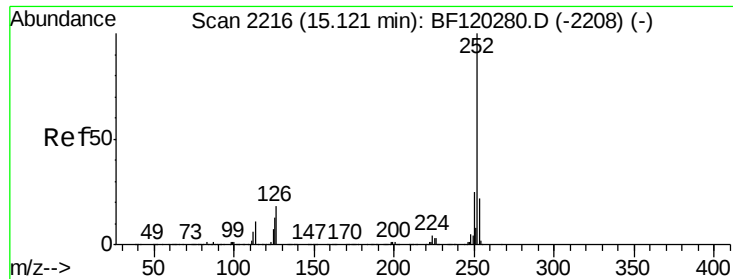
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	14.4	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 12.886 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.03 min
Lab File: BF120305.D
Acq: 14 May 2020 21:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	14.4	9.9	14.9

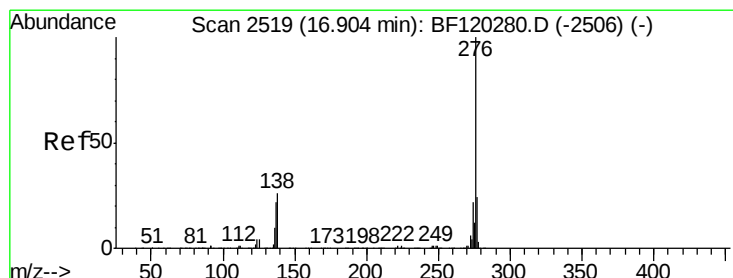
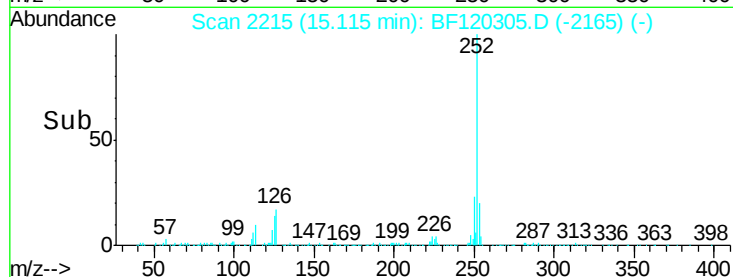
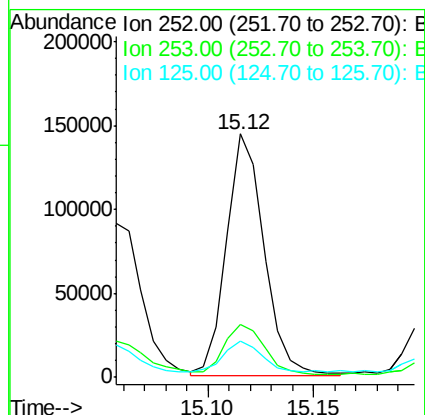
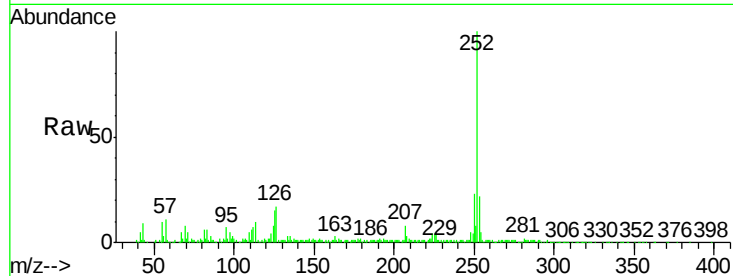




#90
Benzo(a)pyrene
Concen: 7.021 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF120305.D
Acq: 14 May 2020 21:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	252	Resp:	177003
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	15.0	10.6	16.0



#92
Benzo(g,h,i)perylene
Concen: 4.699 ng
RT: 16.90 min Scan# 2519
Delta R.T. 0.00 min
Lab File: BF120305.D
Acq: 14 May 2020 21:56

Tgt Ion:	276	Resp:	105820
Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.1	28.7
138	24.0	20.8	31.2

