

Data File : BF118451.D
Acq On : 2 Jan 2020 22:34
Operator : JU
Sample : K6465-05RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

Quant Time: Jan 03 02:14:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	83355	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	326173	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	172279	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	285878	20.00	ng	0.00
76) Chrysene-d12	14.04	240	190088	20.00	ng	-0.01
87) Perylene-d12	15.53	264	200138	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	487402	99.81	ng	0.00
7) Phenol-d6	6.49	99	600918	99.20	ng	0.00
23) Nitrobenzene-d5	7.42	82	361563	63.40	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	174269	81.91	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	721162	63.90	ng	-0.01
79) Terphenyl-d14	12.97	244	688588	60.10	ng	-0.01

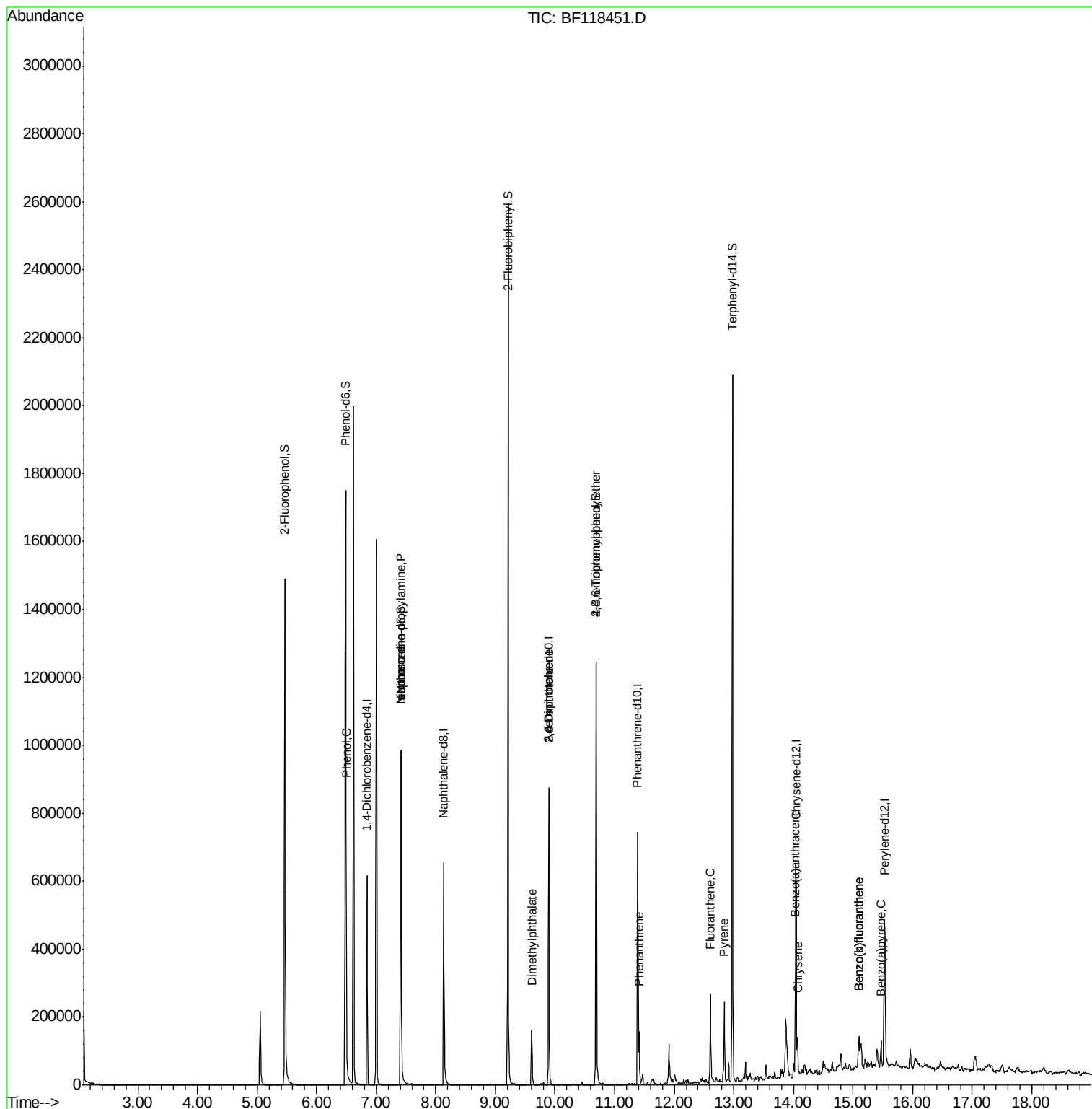
Target Compounds				Qvalue		
10) Phenol	6.50	94	20894	3.069	ng	85
19) n-Nitroso-di-n-propylamine	7.42	70	50587	13.556	ng	# 77
25) Isophorone	7.42	82	361559	36.379	ng	# 62
50) Dimethylphthalate	9.61	163	80369	6.215	ng	100
51) 2,6-Dinitrotoluene	9.89	165	22441	8.049	ng	# 26
57) 2,4-Dinitrotoluene	9.89	165	22441	6.024	ng	# 30
67) 4-Bromophenyl-phenylether	10.69	248	11023	3.295	ng	# 1
71) Phenanthrene	11.41	178	57824	3.710	ng	98
75) Fluoranthene	12.61	202	97983	6.230	ng	99
78) Pyrene	12.84	202	83468	5.377	ng	99
81) Benzo(a)anthracene	14.03	228	41292	3.103	ng	97
83) Chrysene	14.07	228	40962	3.215	ng	98
88) Benzo(b)fluoranthene	15.09	252	69912	5.262	ng	# 96
89) Benzo(k)fluoranthene	15.09	252	69912	5.481	ng	# 98
90) Benzo(a)pyrene	15.47	252	34710	2.966	ng	96

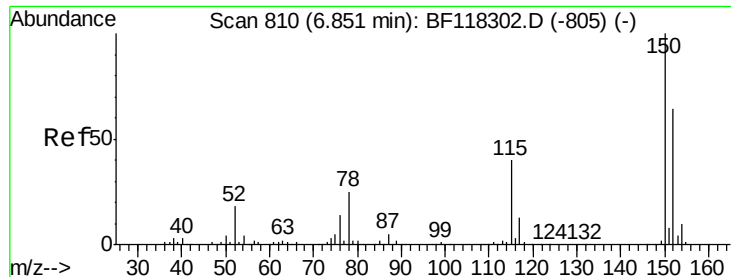
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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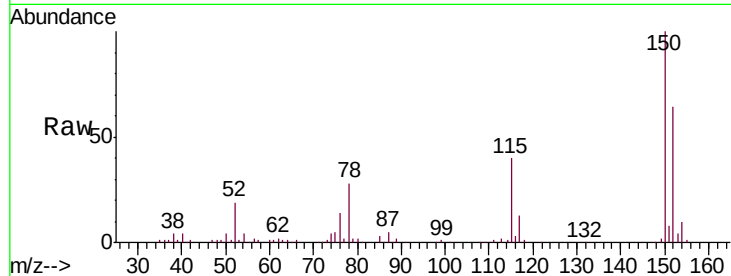




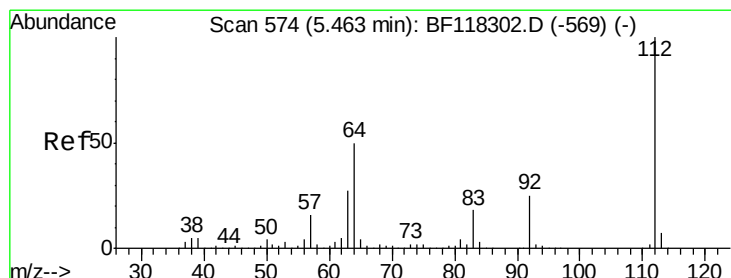
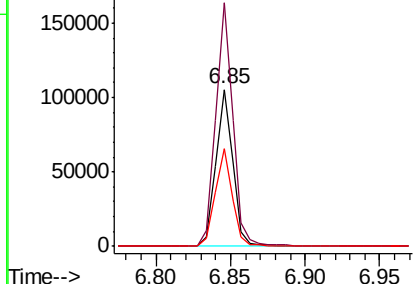
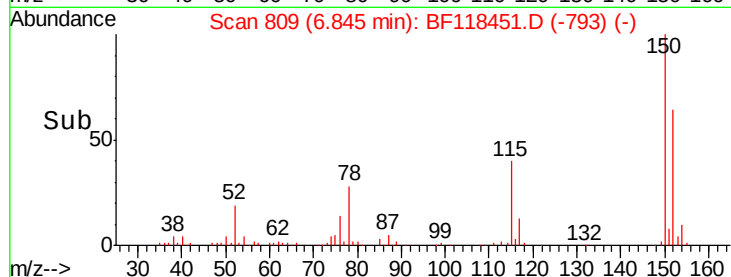
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118451.D
 Acq: 2 Jan 2020 22:34

Instrument :
 BNA_F
 ClientSampleId :
 GP-9-(1-3)

Tgt Ion:152 Resp: 83355
 Ion Ratio Lower Upper
 152 100
 150 155.5 125.4 188.2
 115 62.5 50.2 75.4

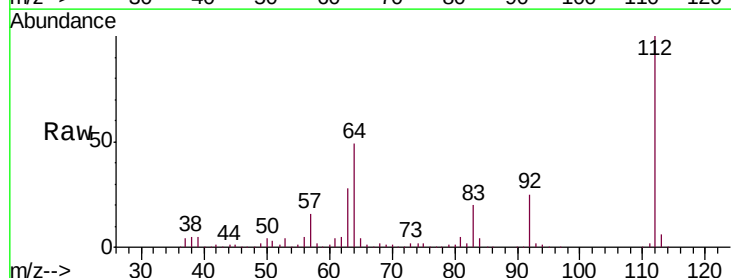


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

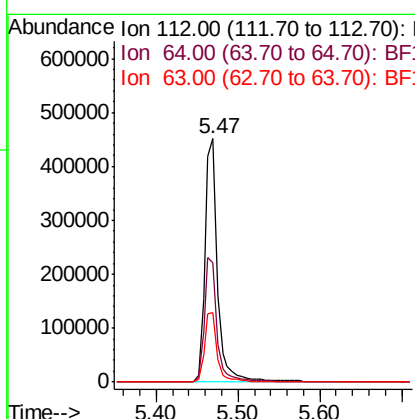
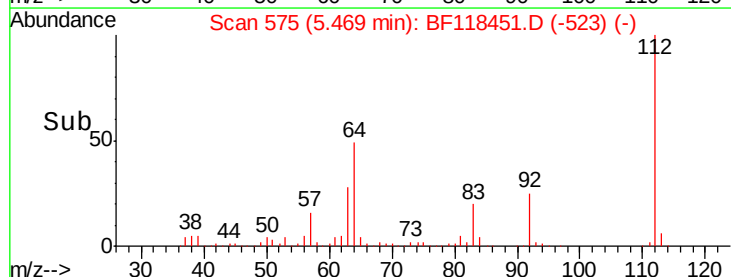


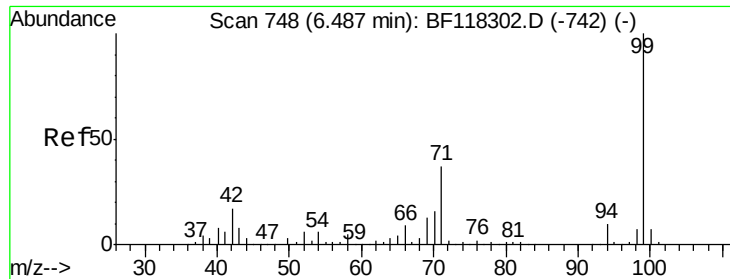
#5
 2-Fluorophenol
 Concen: 99.813 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF118451.D
 Acq: 2 Jan 2020 22:34

Tgt Ion:112 Resp: 487402
 Ion Ratio Lower Upper
 112 100
 64 49.2 39.7 59.5
 63 28.5 21.7 32.5



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: 99.199 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

Instrument :

BNA_F

ClientSampleId :

GP-9-(1-3)

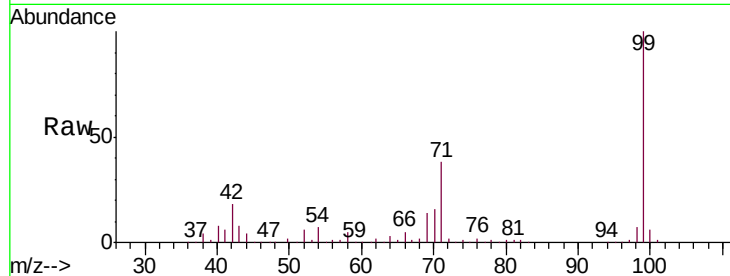
Tgt Ion: 99 Resp: 600918

Ion Ratio Lower Upper

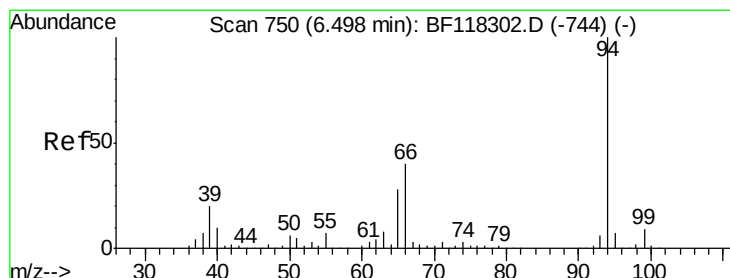
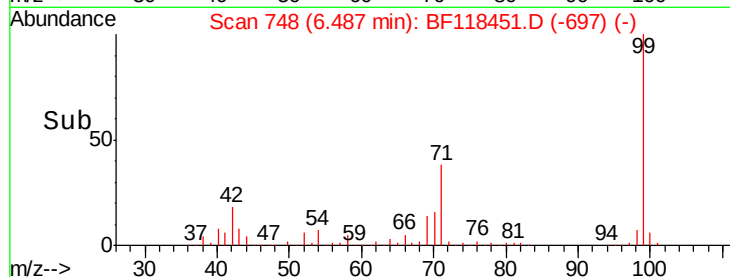
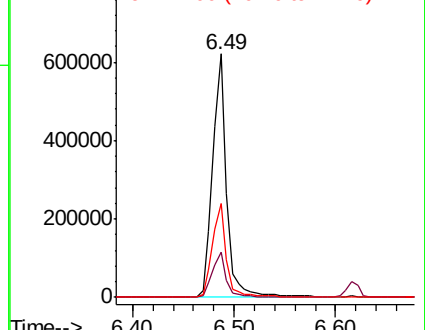
99 100

42 18.5 13.5 20.3

71 38.5 29.4 44.2



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



#10

Phenol

Concen: 3.069 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

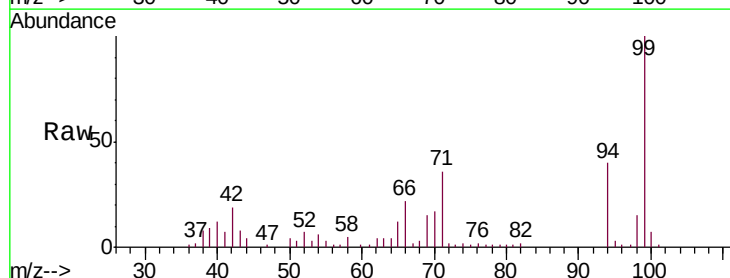
Tgt Ion: 94 Resp: 20894

Ion Ratio Lower Upper

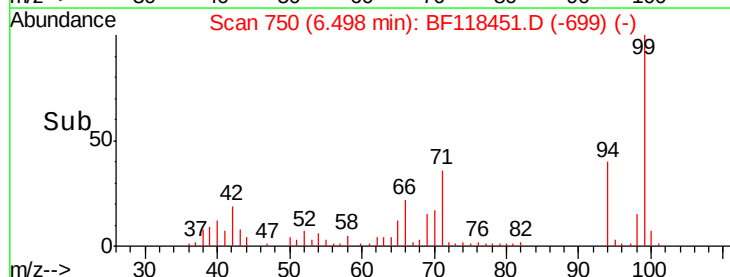
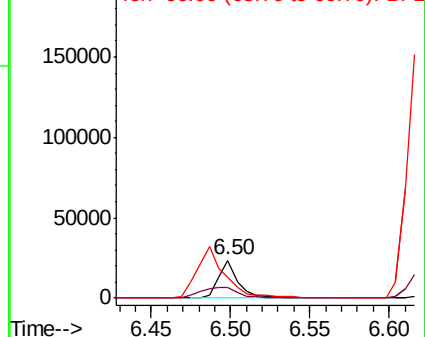
94 100

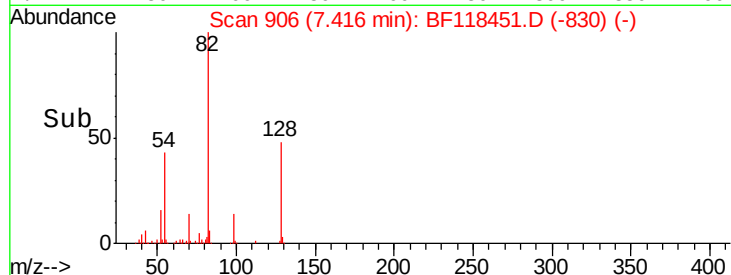
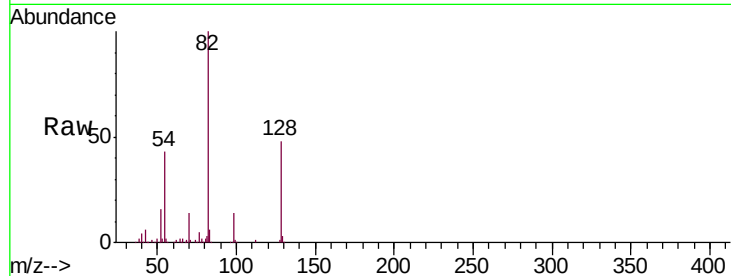
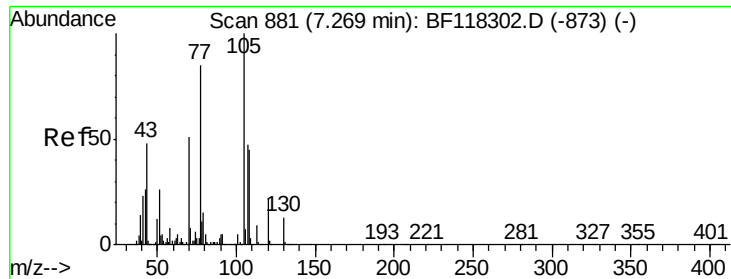
65 29.1 7.8 47.8

66 54.7 20.4 60.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

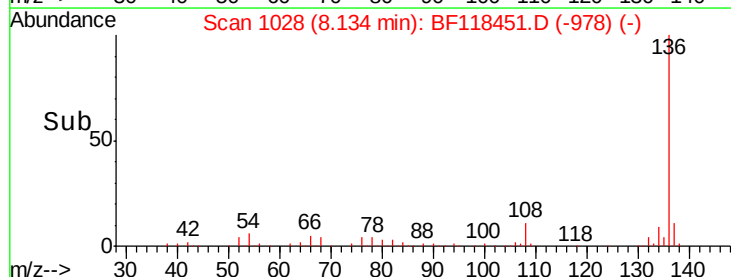
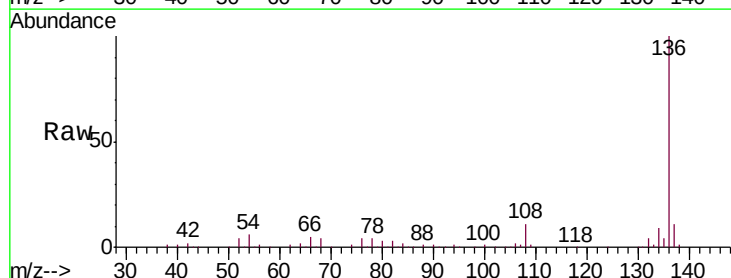
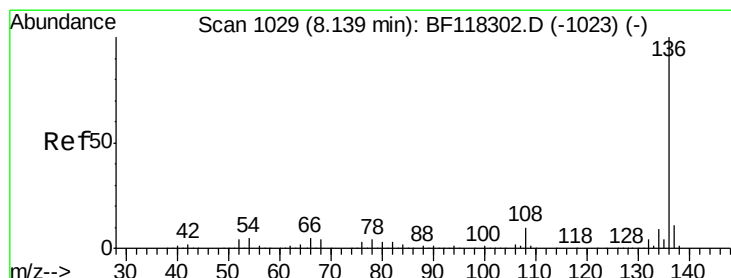
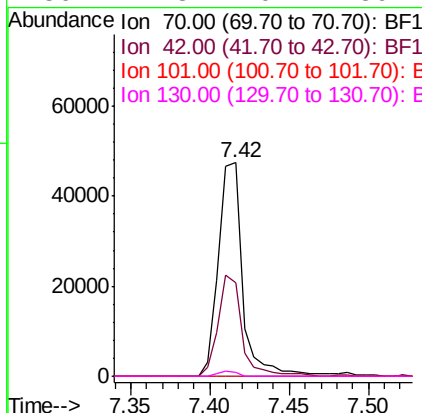




#19
n-Nitroso-di-n-propylamine
Concen: 13.556 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118451.D
Acq: 2 Jan 2020 22:34

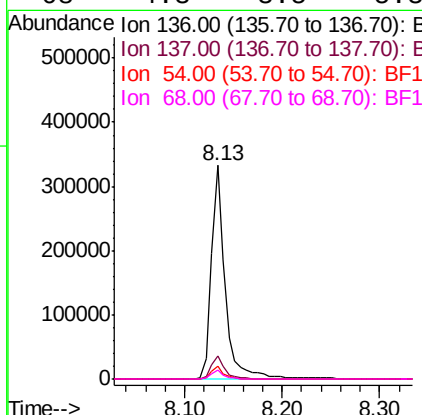
Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

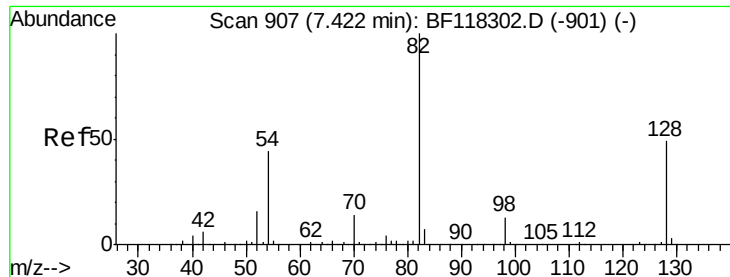
Tgt Ion: 70 Resp: 50587
Ion Ratio Lower Upper
70 100
42 43.7 41.1 61.7
101 0.0 8.3 12.5#
130 1.8 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118451.D
Acq: 2 Jan 2020 22:34

Tgt Ion: 136 Resp: 326173
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 5.8 4.2 6.4
68 4.3 3.5 5.3





#23

Nitrobenzene-d5

Concen: 63.401 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

Instrument :

BNA_F

ClientSampleId :

GP-9-(1-3)

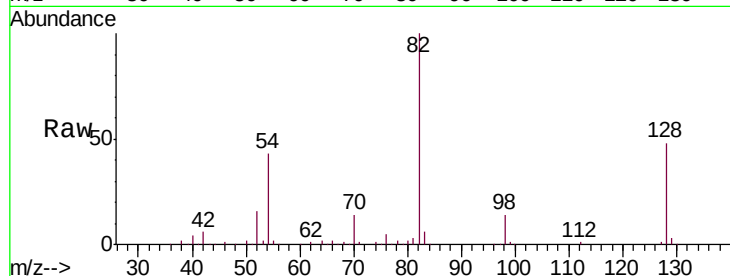
Tgt Ion: 82 Resp: 361563

Ion Ratio Lower Upper

82 100

128 48.2 39.6 59.4

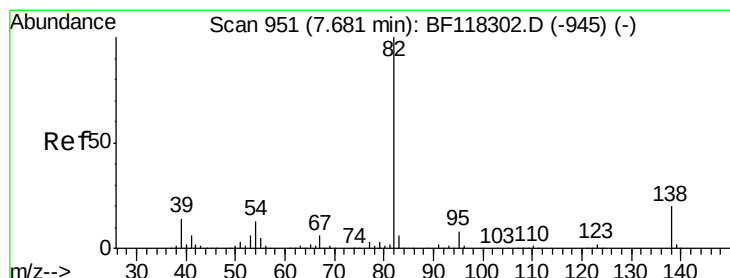
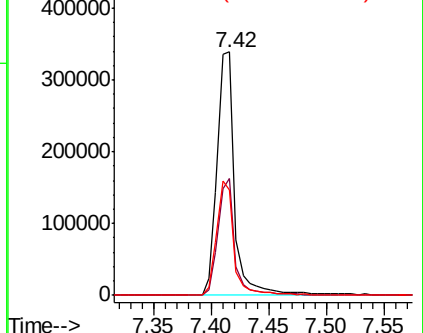
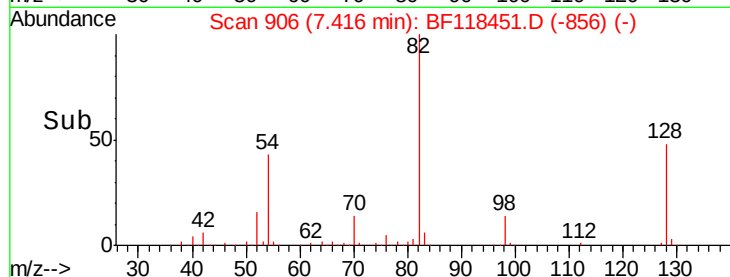
54 43.3 34.9 52.3



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: 36.379 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

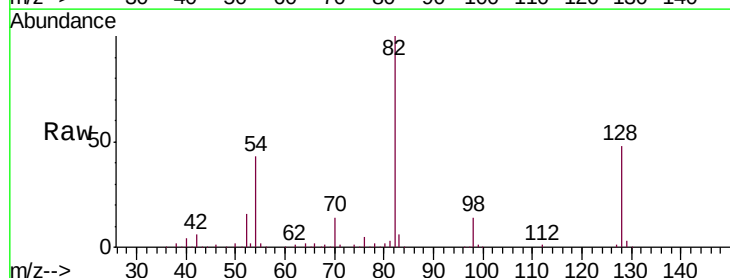
Tgt Ion: 82 Resp: 361559

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

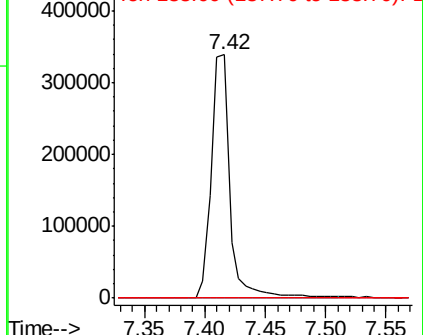
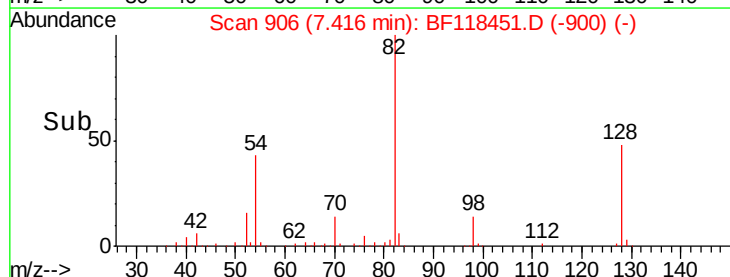
138 0.0 16.2 24.2#

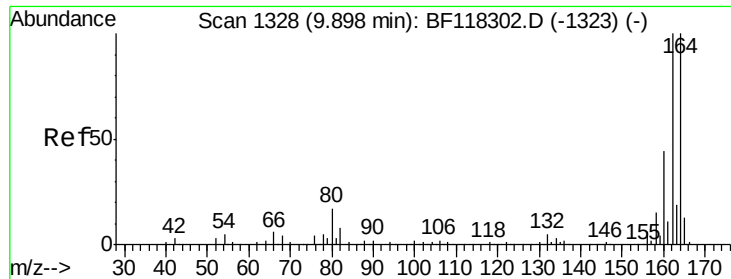


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

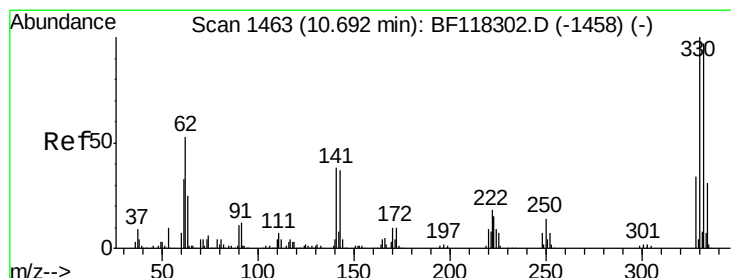
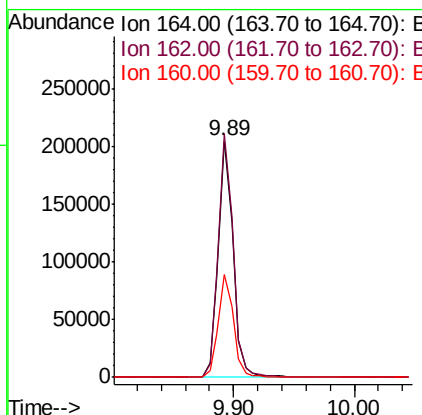
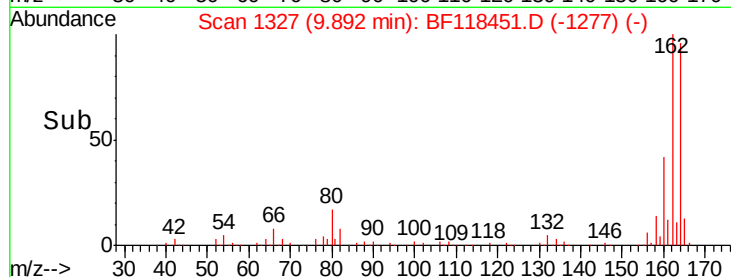
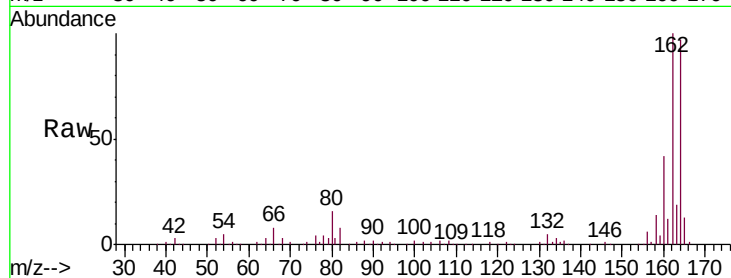




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF118451.D
 Acq: 2 Jan 2020 22:34

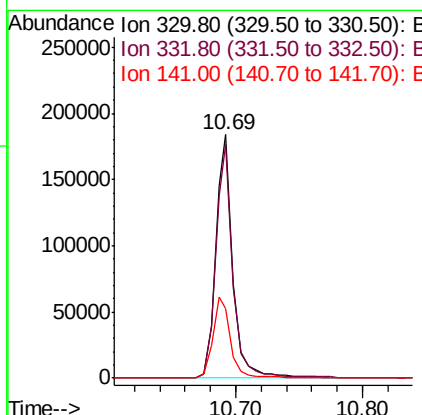
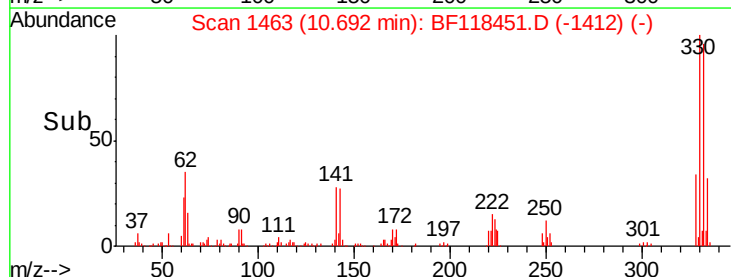
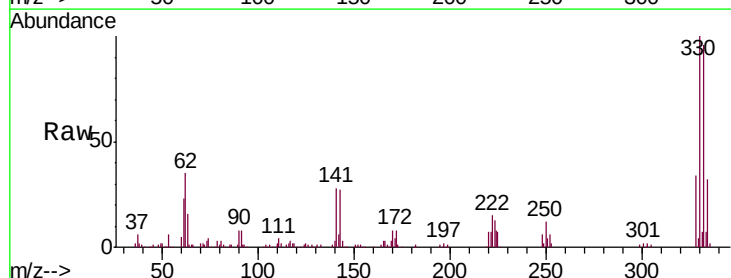
Instrument :
 BNA_F
 ClientSampled :
 GP-9-(1-3)

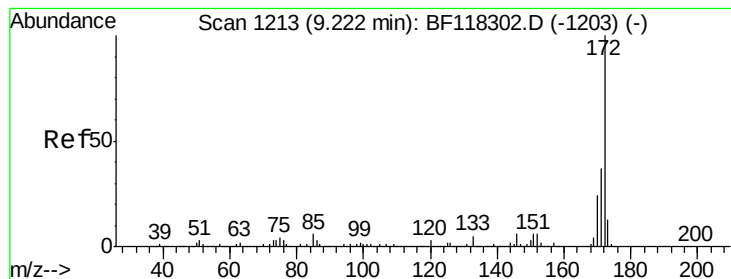
Tgt Ion:164 Resp: 172279
 Ion Ratio Lower Upper
 164 100
 162 103.2 80.0 120.0
 160 43.3 34.8 52.2



#42
 2,4,6-Tribromophenol
 Concen: 81.912 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118451.D
 Acq: 2 Jan 2020 22:34

Tgt Ion:330 Resp: 174269
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 114.8
 141 34.8 26.0 39.0





#45

2-Fluorobiphenyl

Concen: 63.898 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

Instrument :

BNA_F

ClientSampleId :

GP-9-(1-3)

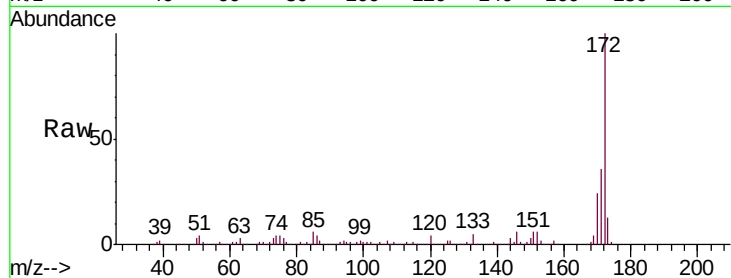
Tgt Ion:172 Resp: 721162

Ion Ratio Lower Upper

172 100

171 35.7 29.3 43.9

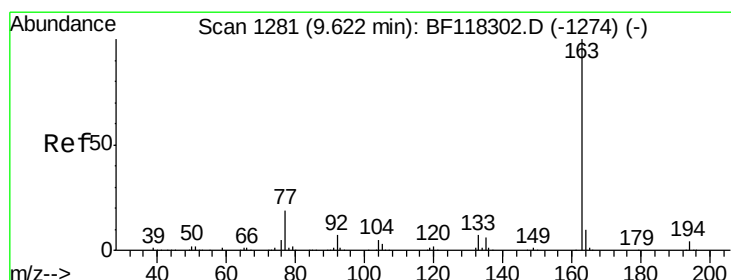
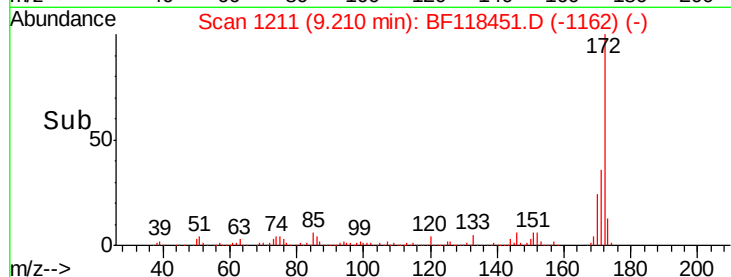
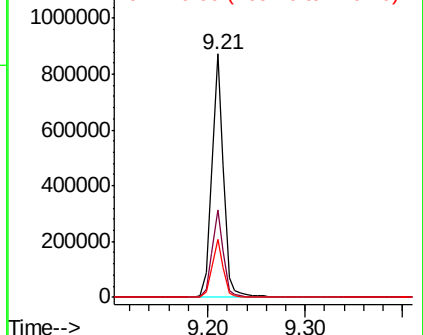
170 23.6 19.2 28.8



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: 6.215 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

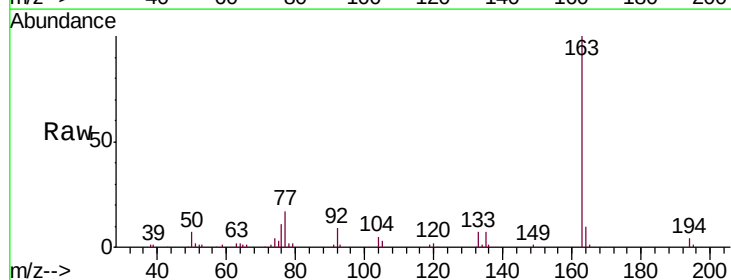
Tgt Ion:163 Resp: 80369

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

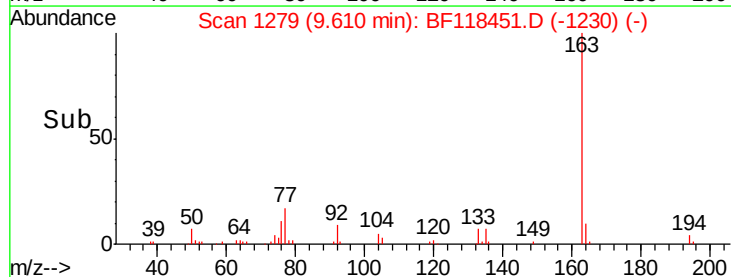
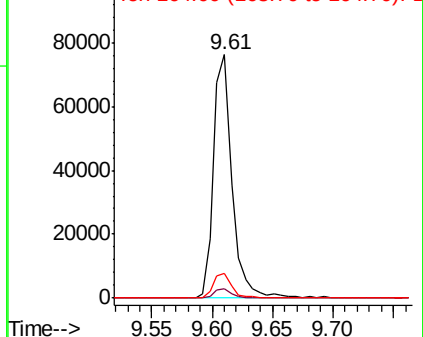
164 9.9 7.9 11.9

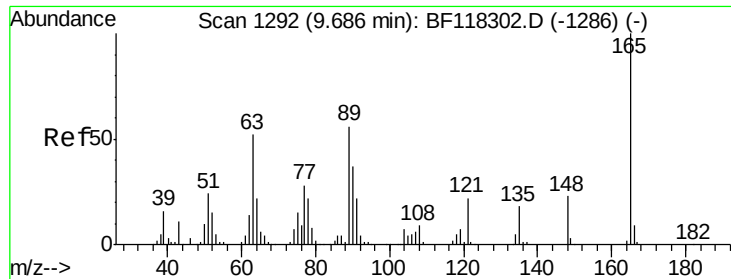


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

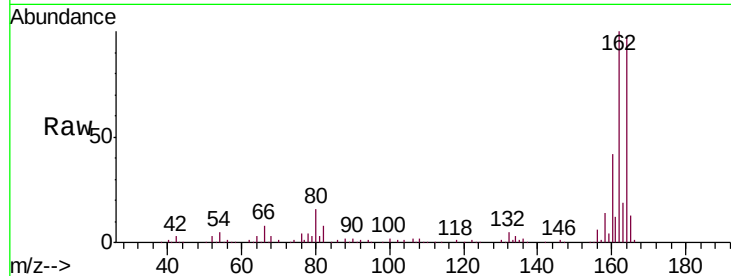




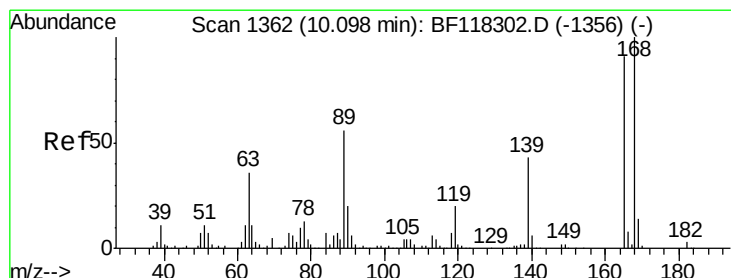
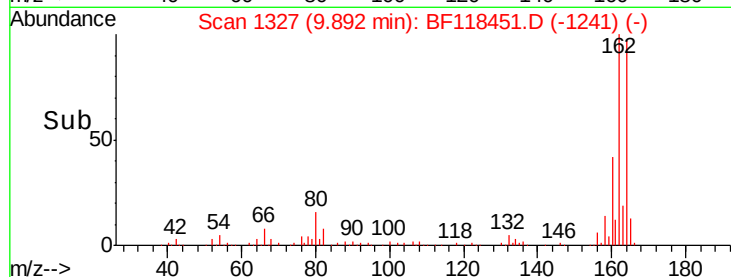
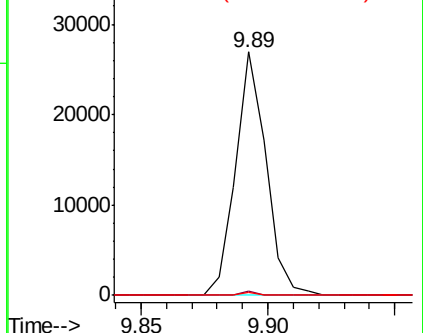
#51
 2,6-Dinitrotoluene
 Concen: 8.049 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF118451.D
 Acq: 2 Jan 2020 22:34

Instrument :
 BNA_F
 ClientSampleId :
 GP-9-(1-3)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.2	63.4#
89	1.1	44.4	66.6#

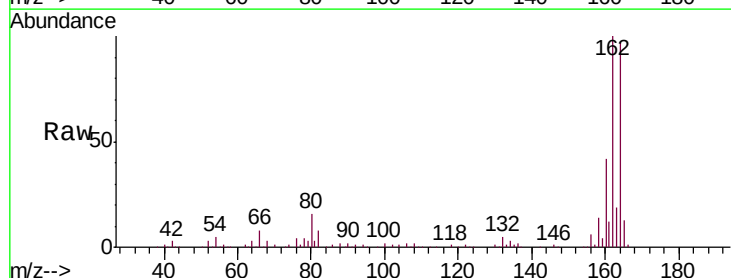


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

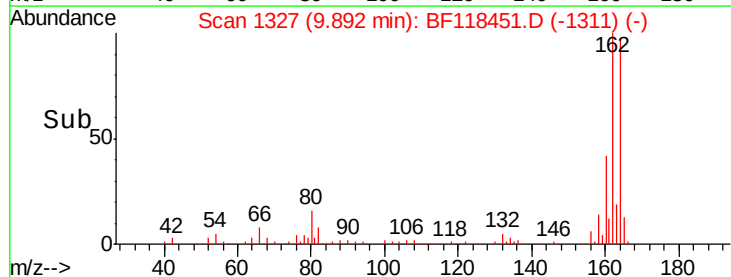
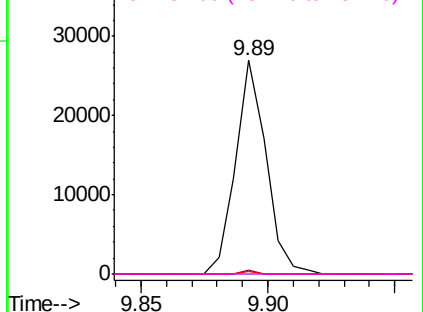


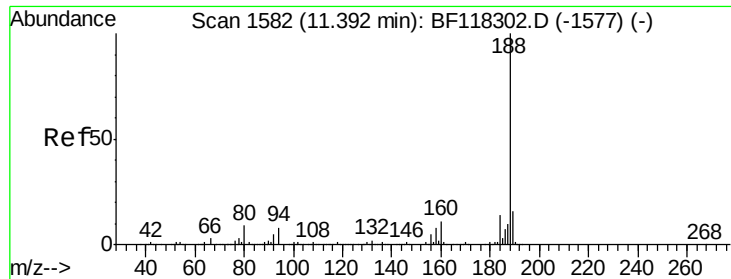
#57
 2,4-Dinitrotoluene
 Concen: 6.024 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.21 min
 Lab File: BF118451.D
 Acq: 2 Jan 2020 22:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	32.0	48.0#
89	1.1	49.3	73.9#
182	0.0	2.4	3.6#



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

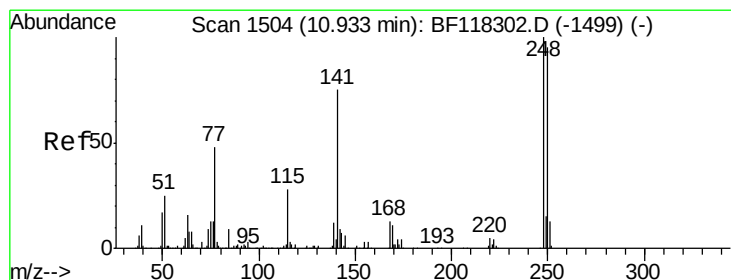
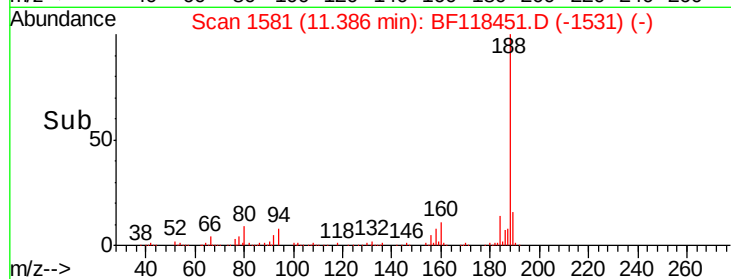
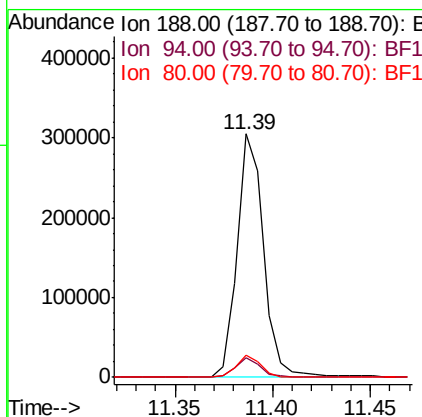
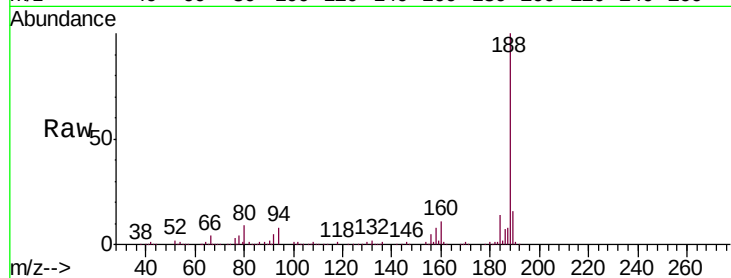




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF118451.D
 Acq: 2 Jan 2020 22:34

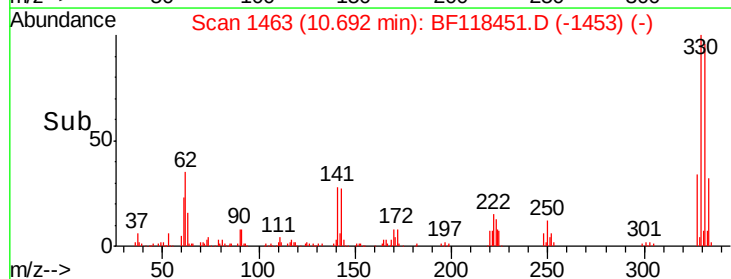
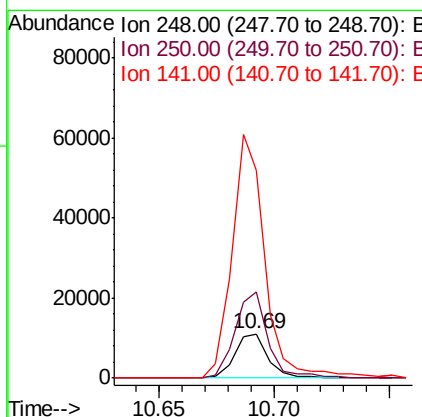
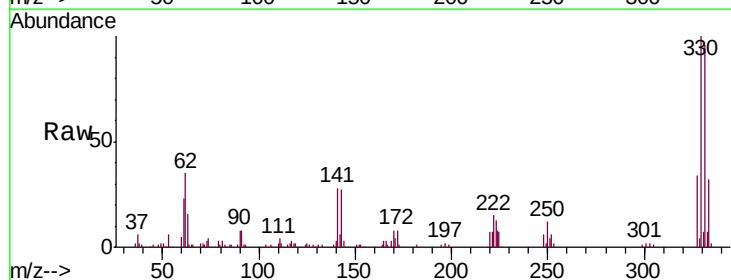
Instrument :
 BNA_F
 ClientSampleId :
 GP-9-(1-3)

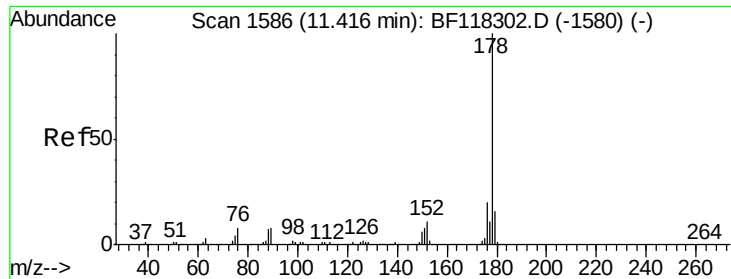
Tgt Ion:188 Resp: 285878
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.7 10.1
 80 9.3 7.2 10.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.295 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF118451.D
 Acq: 2 Jan 2020 22:34

Tgt Ion:248 Resp: 11023
 Ion Ratio Lower Upper
 248 100
 250 195.0 76.4 114.6#
 141 472.5 60.2 90.2#





#71

Phenanthrene

Concen: 3.710 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

Instrument :

BNA_F

ClientSampleId :

GP-9-(1-3)

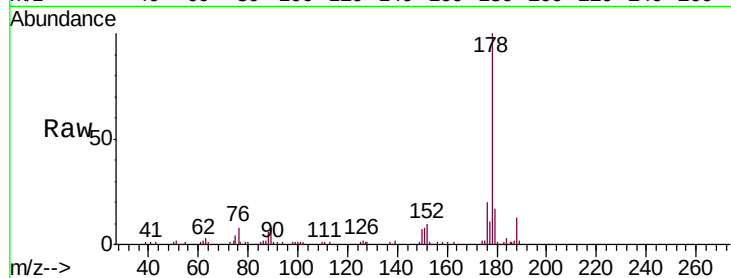
Tgt Ion:178 Resp: 57824

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

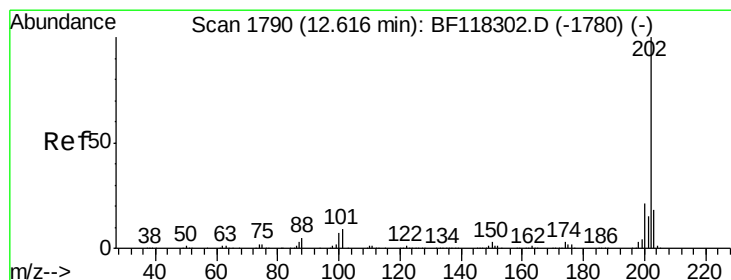
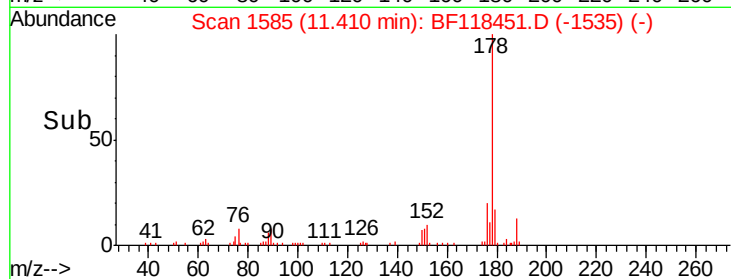
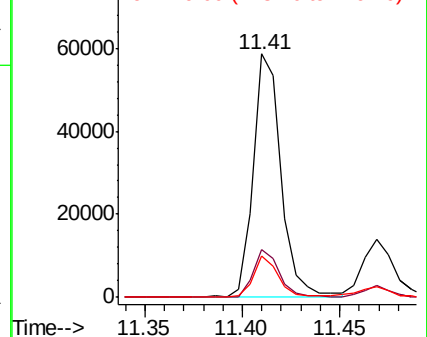
179 17.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.230 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

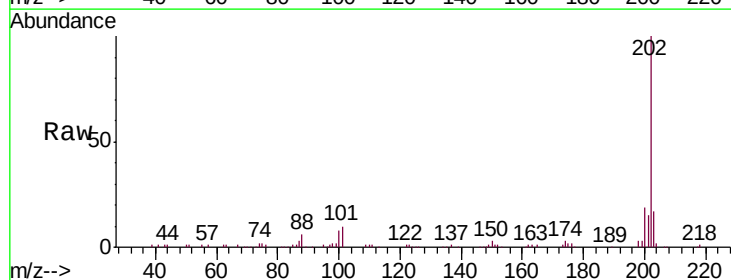
Tgt Ion:202 Resp: 97983

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.5

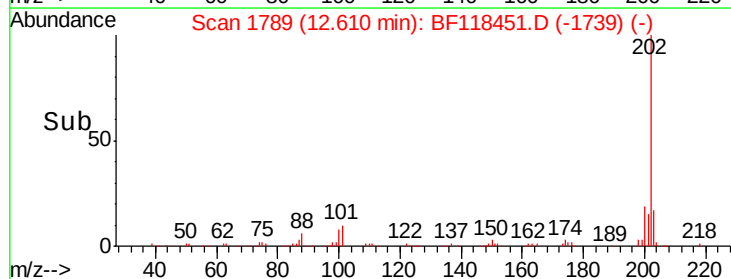
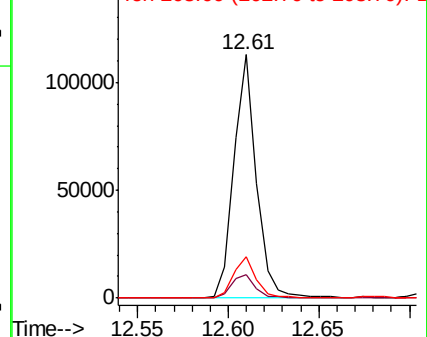
203 17.2 0.0 37.6

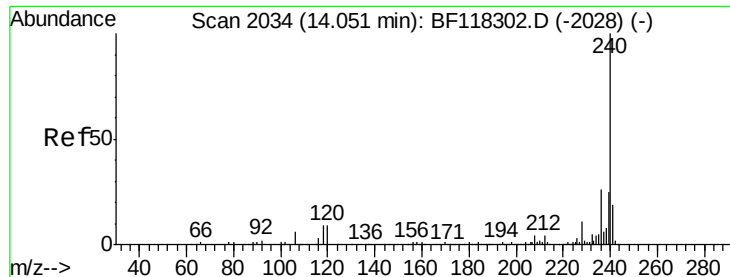


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

Instrument :

BNA_F

ClientSampleId :

GP-9-(1-3)

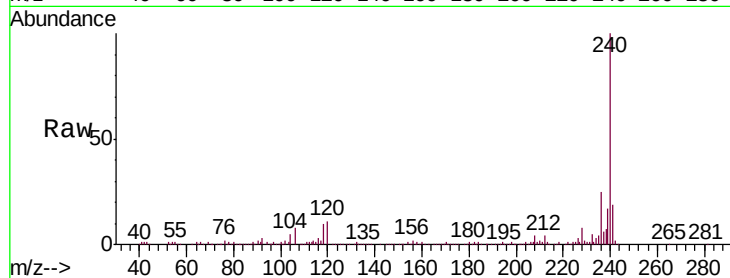
Tgt Ion:240 Resp: 190088

Ion Ratio Lower Upper

240 100

120 11.0 7.1 10.7#

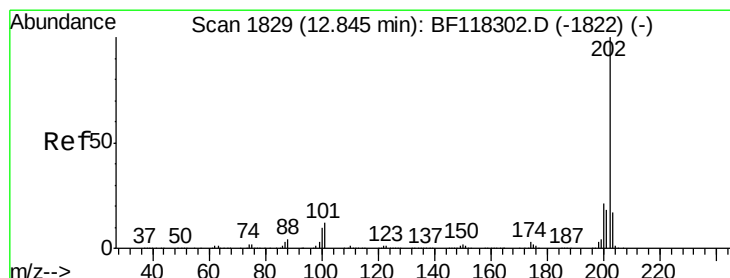
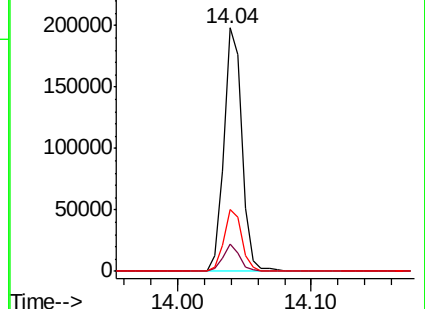
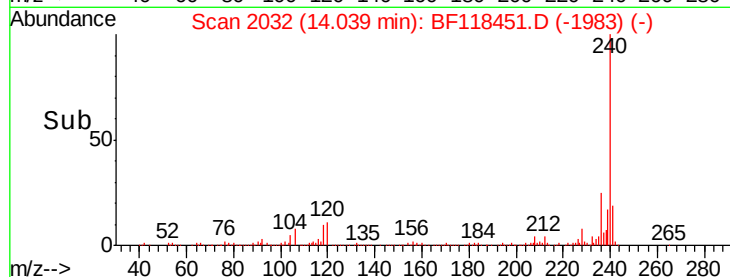
236 25.4 21.0 31.6



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

Pyrene

Concen: 5.377 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

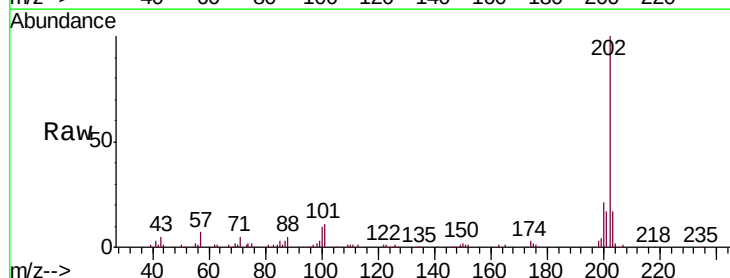
Tgt Ion:202 Resp: 83468

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

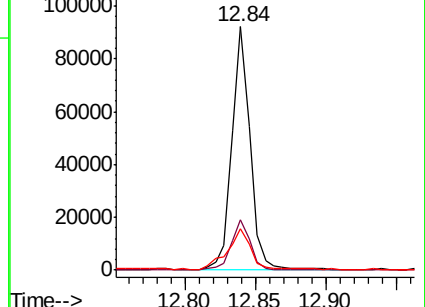
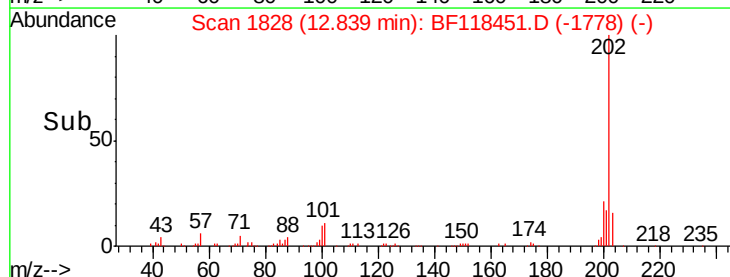
203 16.8 13.9 20.9

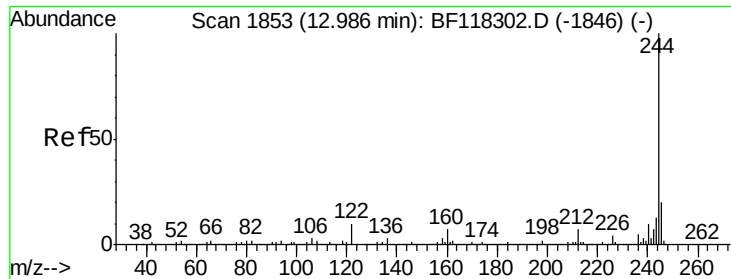


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

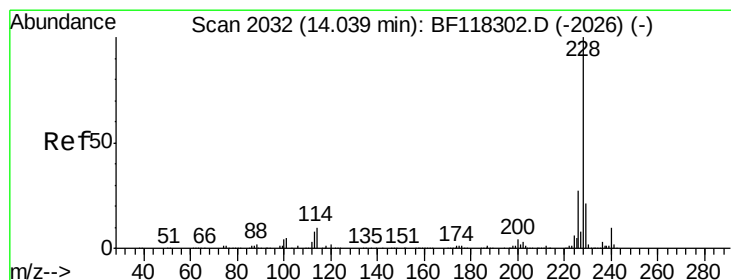
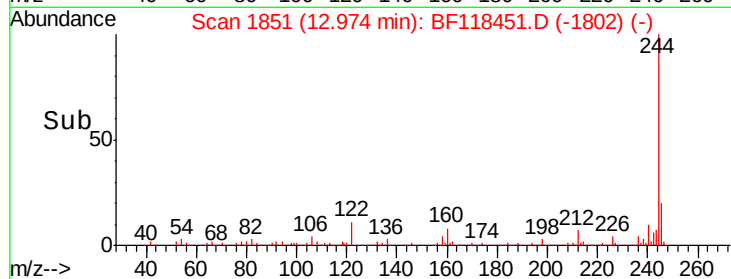
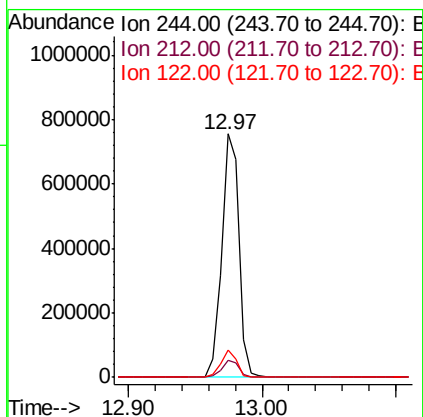
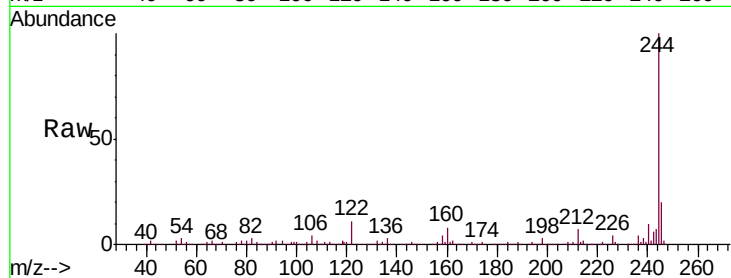




#79
 Terphenyl-d14
 Concen: 60.098 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF118451.D
 Acq: 2 Jan 2020 22:34

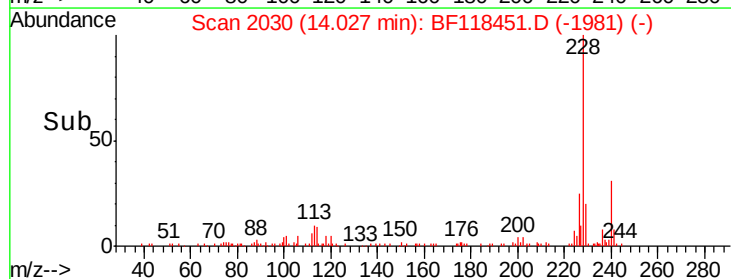
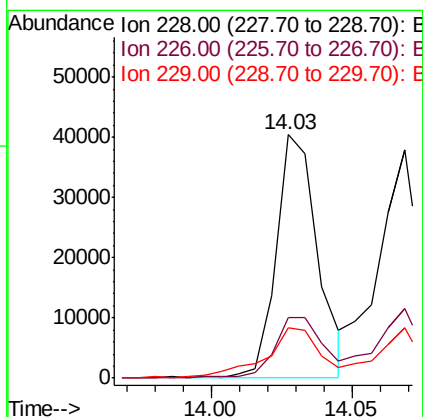
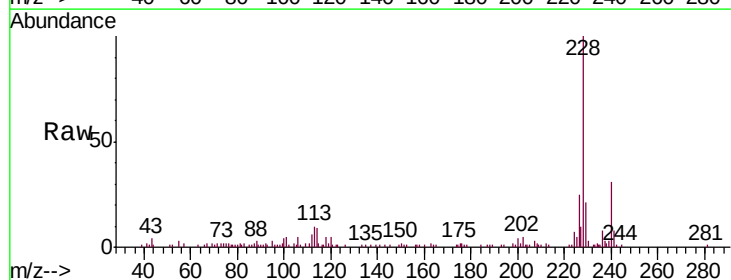
Instrument :
 BNA_F
 ClientSampleId :
 GP-9-(1-3)

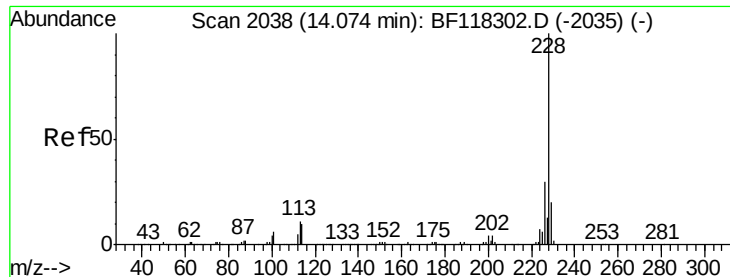
Tgt Ion: 244 Resp: 688588
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 11.3 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 3.103 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF118451.D
 Acq: 2 Jan 2020 22:34

Tgt Ion: 228 Resp: 41292
 Ion Ratio Lower Upper
 228 100
 226 24.8 22.0 33.0
 229 20.6 16.6 24.8





#83

Chrysene

Concen: 3.215 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

Instrument :

BNA_F

ClientSampleId :

GP-9-(1-3)

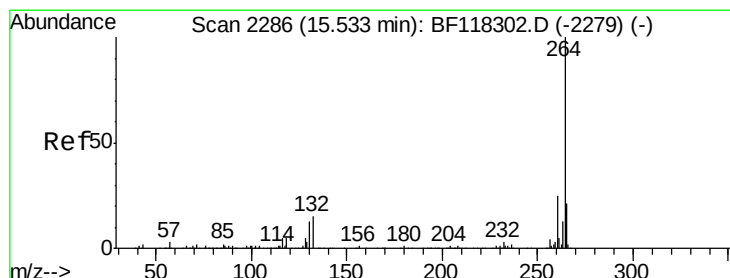
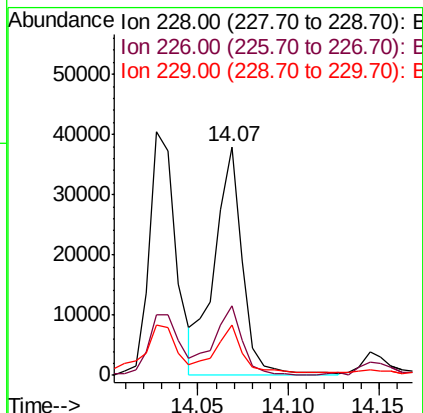
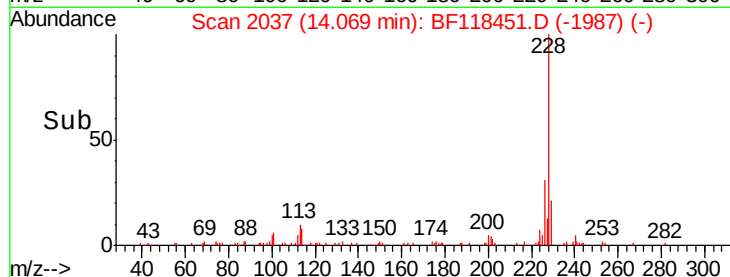
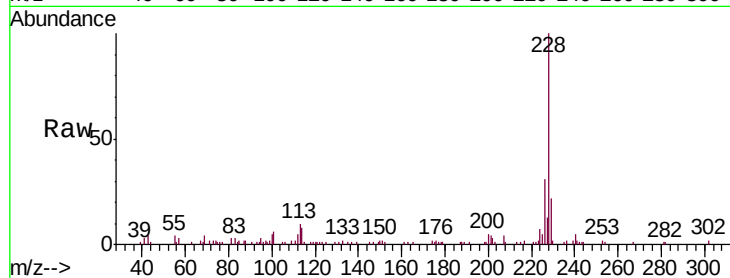
Tgt Ion:228 Resp: 40962

Ion Ratio Lower Upper

228 100

226 30.5 23.9 35.9

229 22.0 16.1 24.1



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.01 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

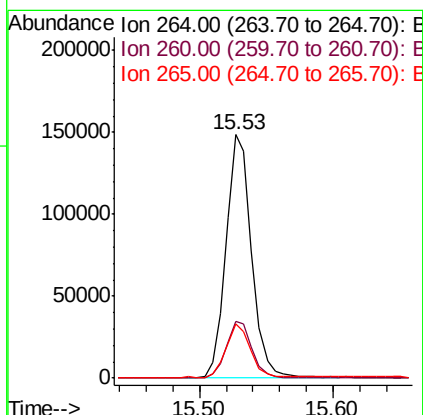
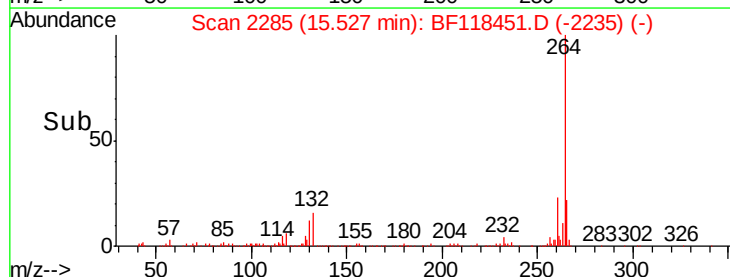
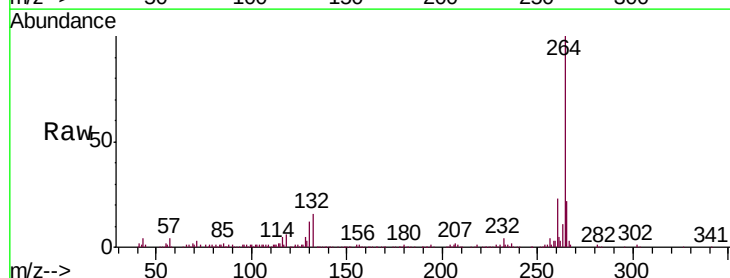
Tgt Ion:264 Resp: 200138

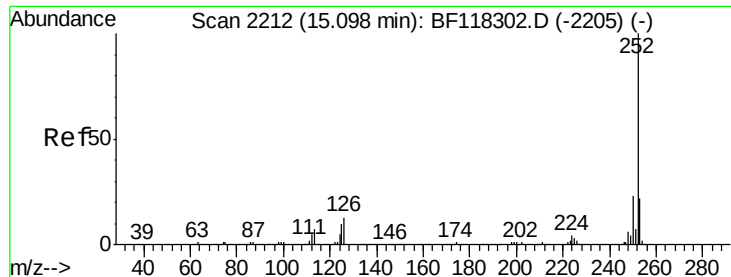
Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.6

265 22.0 17.0 25.4

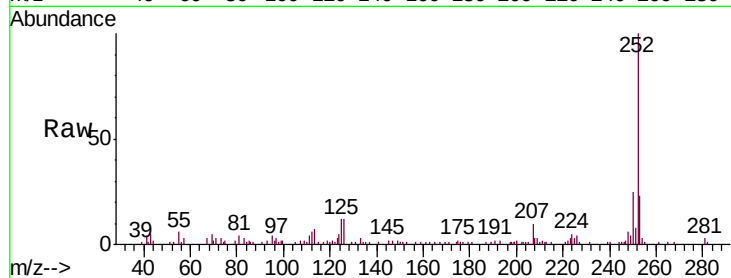




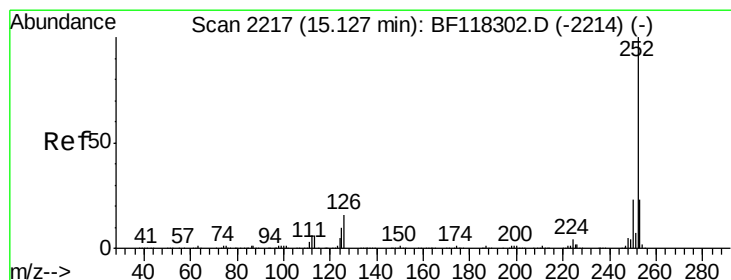
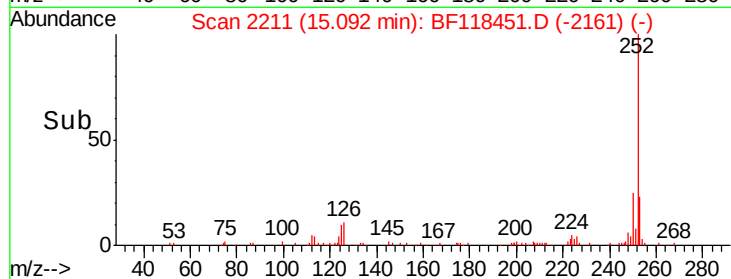
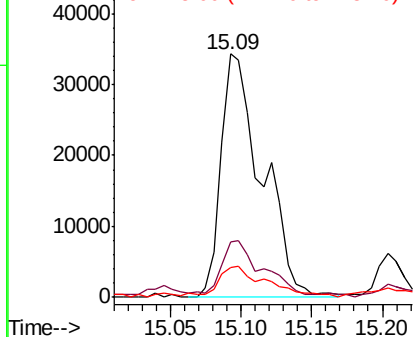
#88
Benzo(b)fluoranthene
Concen: 5.262 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF118451.D
Acq: 2 Jan 2020 22:34

Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

Tgt Ion:252 Resp: 69912
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 12.0 7.7 11.5#

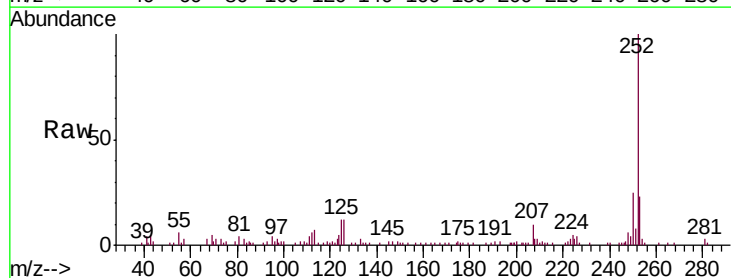


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

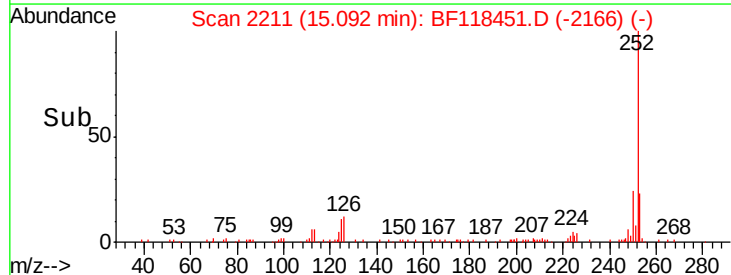
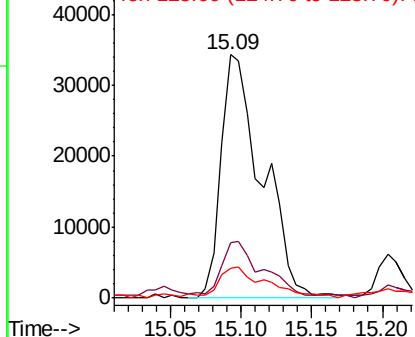


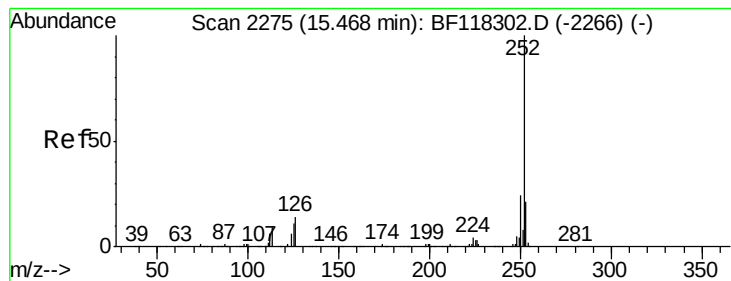
#89
Benzo(k)fluoranthene
Concen: 5.481 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.04 min
Lab File: BF118451.D
Acq: 2 Jan 2020 22:34

Tgt Ion:252 Resp: 69912
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 12.0 8.0 12.0#



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





#90

Benzo(a)pyrene

Concen: 2.966 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.00 min

Lab File: BF118451.D

Acq: 2 Jan 2020 22:34

Instrument :

BNA_F

ClientSampleId :

GP-9-(1-3)

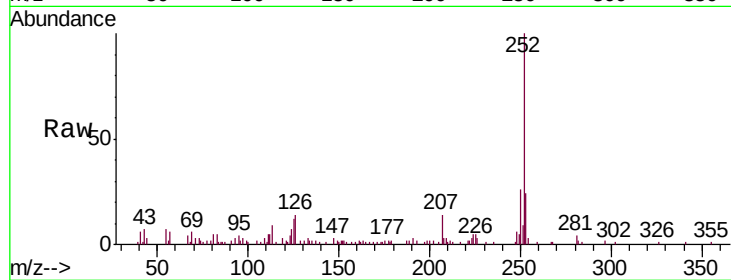
Tgt Ion:252 Resp: 34710

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

125 12.1 9.0 13.4



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

