

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120649.D
 Acq On : 18 Jun 2020 18:36
 Operator : JU/CG
 Sample : L3037-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SL-WC-03C

Quant Time: Jun 19 01:11:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	123321	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	392111	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	212614	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	519695	20.00	ng	0.00
76) Chrysene-d12	13.96	240	232426	20.00	ng	0.00
86) Perylene-d12	15.40	264	206559	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	993207	138.08	ng	0.00
7) Phenol-d6	6.44	99	1049702	117.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	711955	101.49	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	317947	128.62	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1310648	94.32	ng	0.00
79) Terphenyl-d14	12.91	244	1057873	100.54	ng	0.00

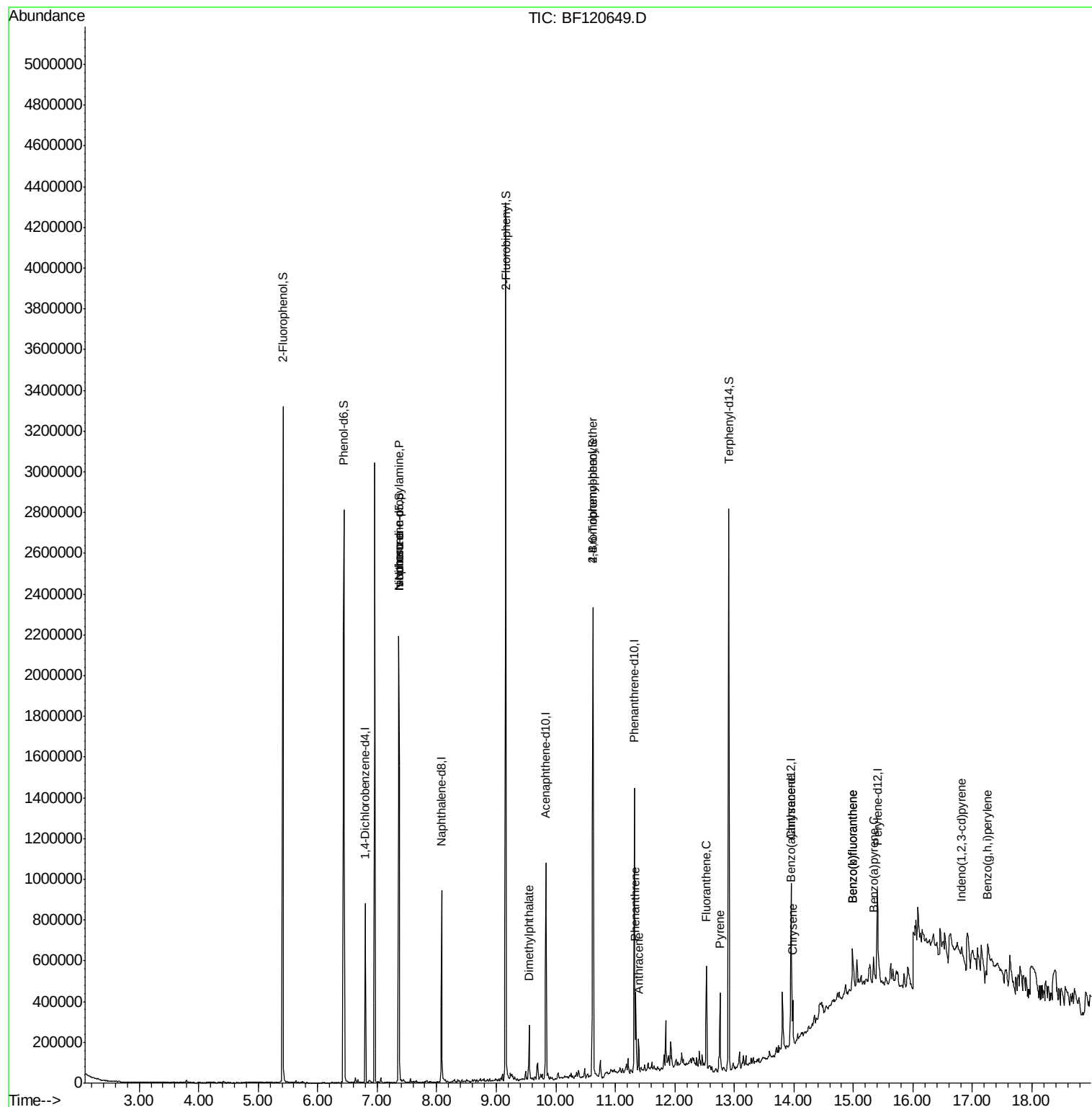
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	95065	18.293	ng	# 78
25) Isophorone	7.36	82	711945	52.101	ng	# 62
50) Dimethylphthalate	9.55	163	103031	6.729	ng	98
67) 4-Bromophenyl-phenylether	10.62	248	18974	3.217	ng	# 1
71) Phenanthrene	11.34	178	159589	6.178	ng	98
72) Anthracene	11.39	178	57695	2.216	ng	98
75) Fluoranthene	12.53	202	218936	7.412	ng	95
78) Pyrene	12.76	202	161374	9.801	ng	99
81) Benzo(a)anthracene	13.94	228	89439	6.405	ng	95
83) Chrysene	13.98	228	85997	6.004	ng	94
87) Indeno(1,2,3-cd)pyrene	16.82	276	56872	4.526	ng	95
88) Benzo(b)fluoranthene	14.99	252	123383	10.028	ng	# 95
89) Benzo(k)fluoranthene	14.99	252	123383	11.332	ng	# 95
90) Benzo(a)pyrene	15.34	252	64690	5.875	ng	# 95
92) Benzo(a,h,i)perylene	17.26	276	63120	6.215	ng	98

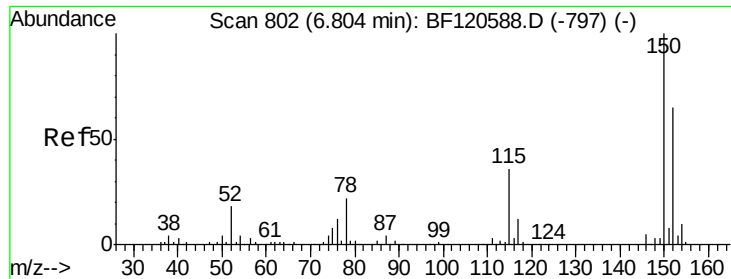
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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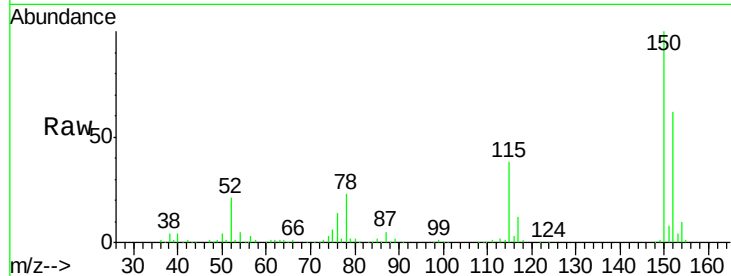


#1

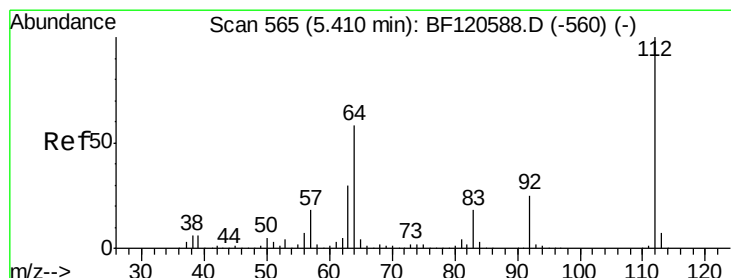
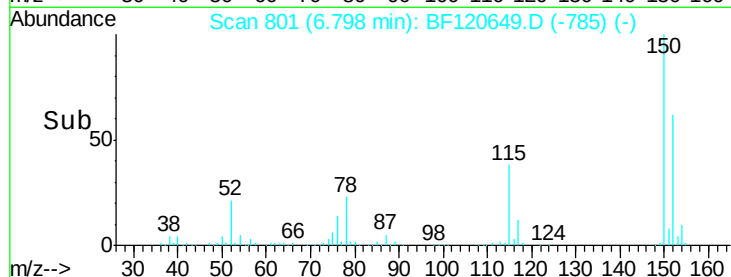
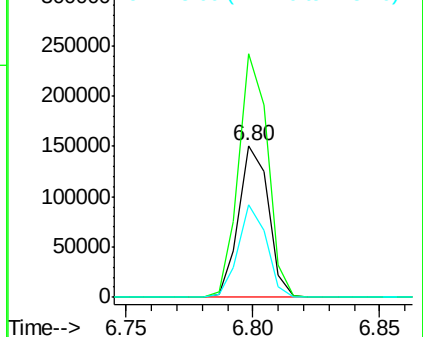
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

Instrument :
BNA_F
ClientSampleId :
SL-WC-03C

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	123.2	184.8
115	60.7	43.9	65.9



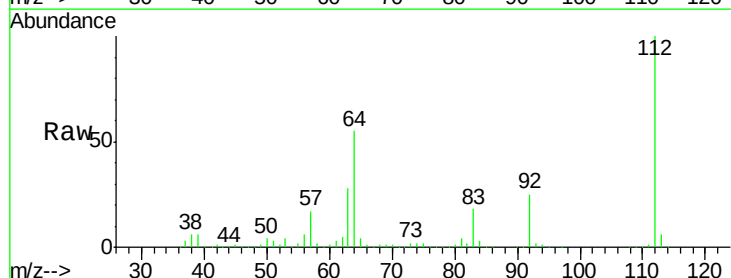
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



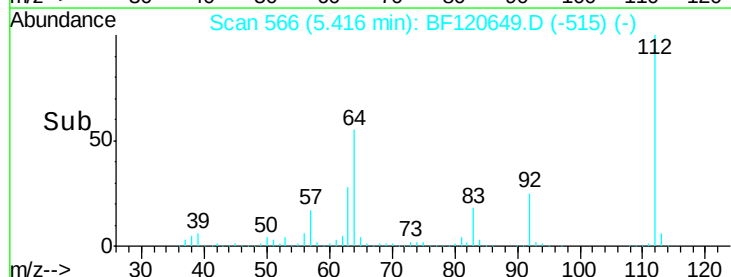
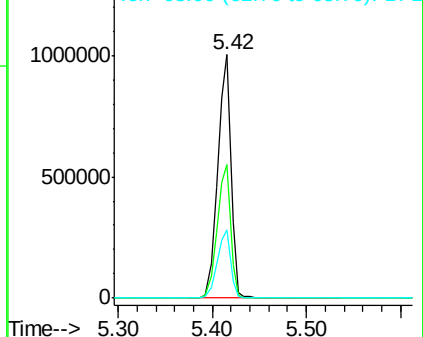
#5

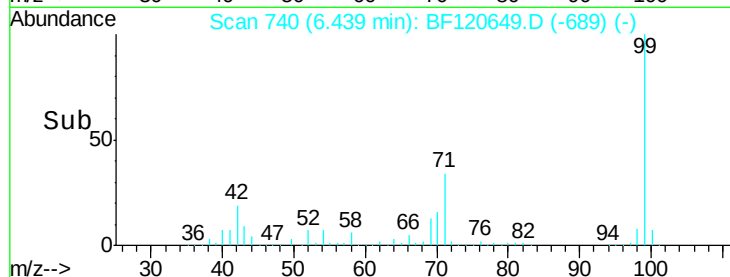
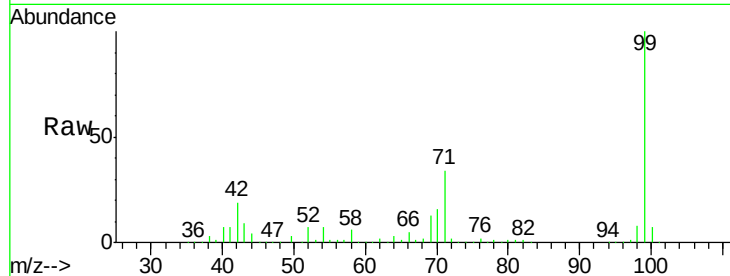
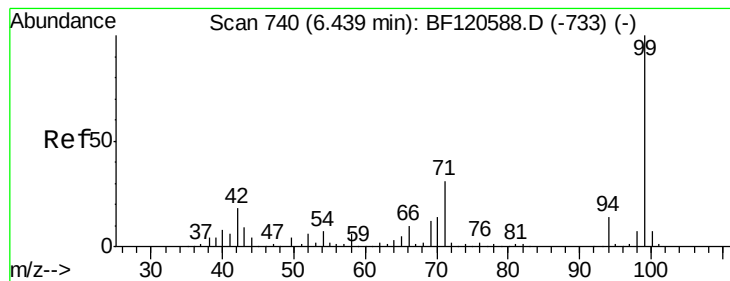
2-Fluorophenol
Concen: 138.079 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.1	69.1
63	28.1	23.7	35.5



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: 117.169 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120649.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_F

ClientSampleId :

SL-WC-03C

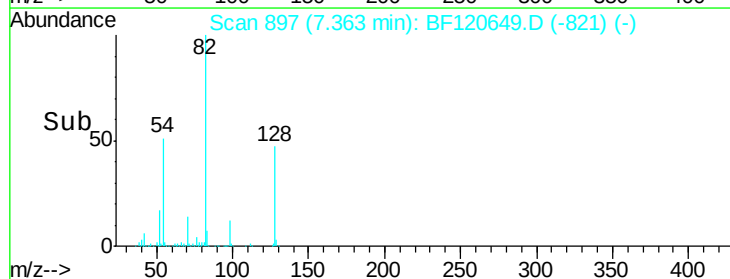
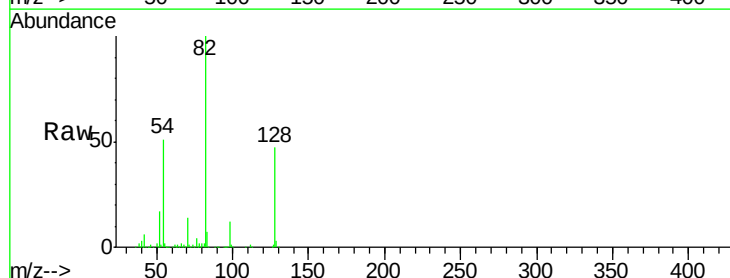
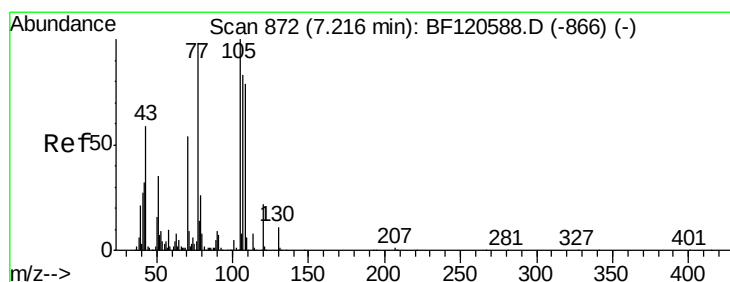
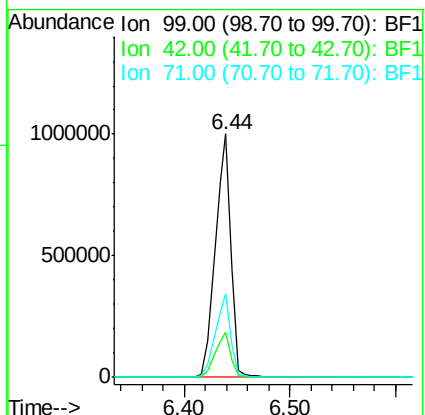
Tot Ion: 99 Resp: 1049702

Ion Ratio Lower Upper

99 100

42 18.6 14.0 21.0

71 34.2 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.293 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120649.D

Acq: 18 Jun 2020 18:36

Tgt Ion: 70 Resp: 95065

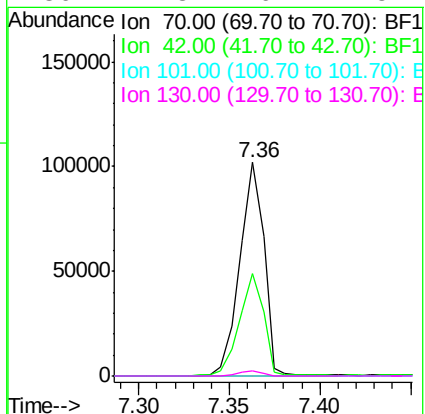
Ion Ratio Lower Upper

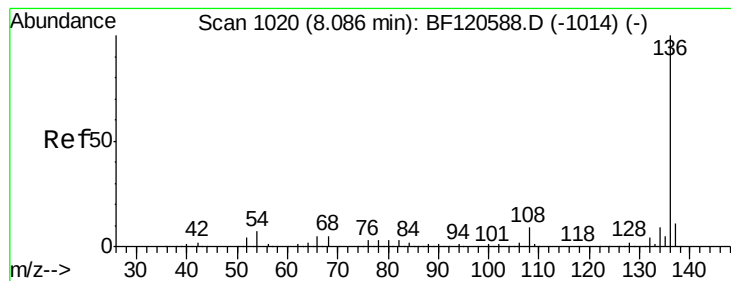
70 100

42 47.7 47.7 71.5#

101 0.0 7.6 11.4#

130 2.3 16.7 25.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF120649.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_F

ClientSampleId :

SL-WC-03C

Tot Ion:136 Resp: 392111

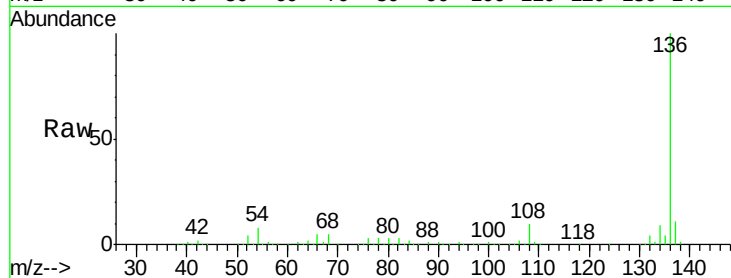
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 7.6 5.8 8.6

68 5.5 4.4 6.6

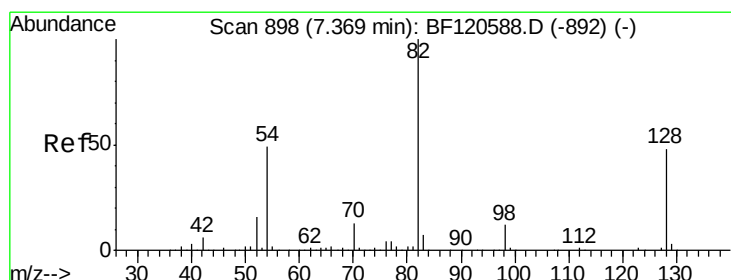
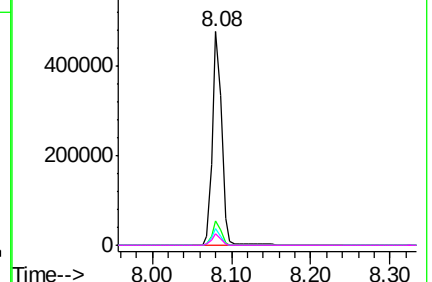
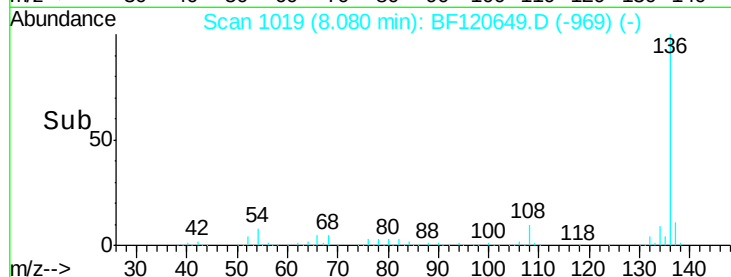


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 101.491 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF120649.D

Acq: 18 Jun 2020 18:36

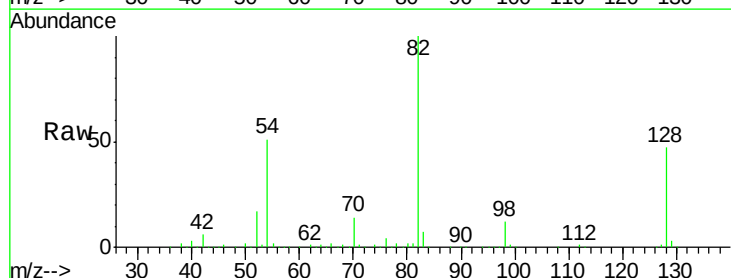
Tgt Ion: 82 Resp: 711955

Ion Ratio Lower Upper

82 100

128 46.6 38.0 57.0

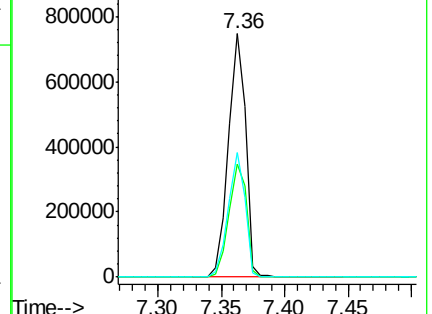
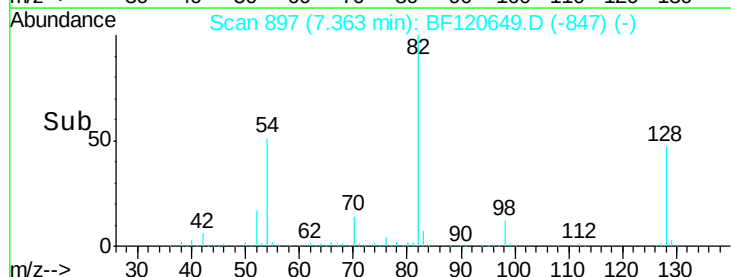
54 51.1 38.8 58.2

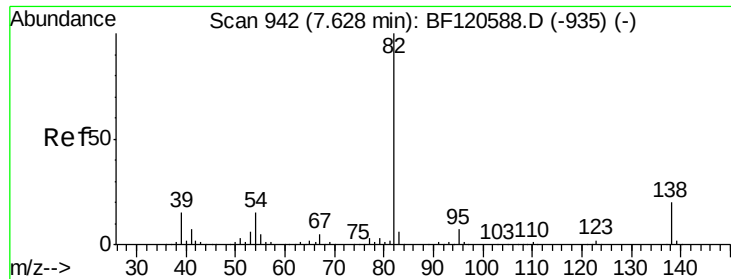


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

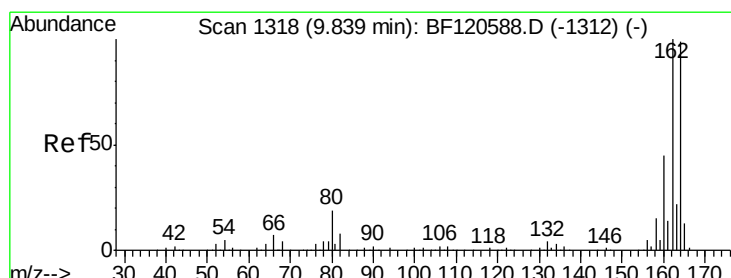
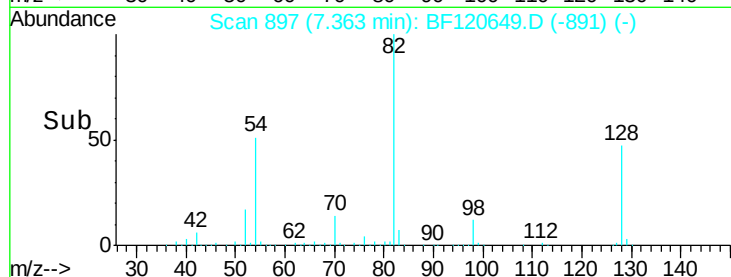
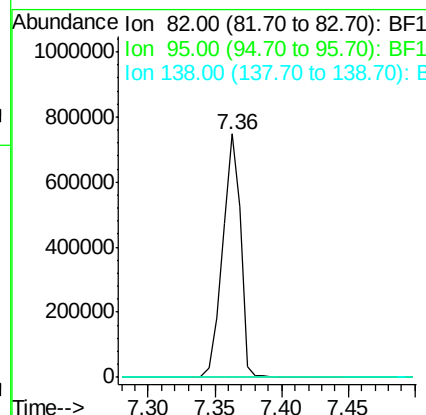
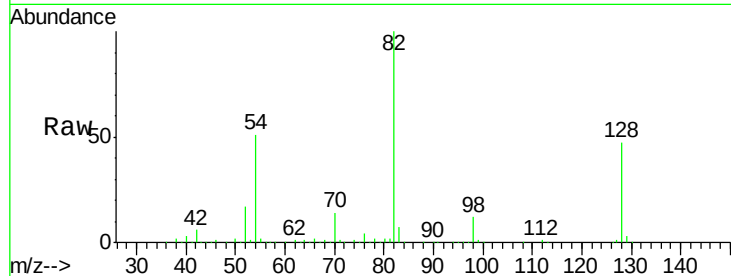




#25
Isophorone
Concen: 52.101 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

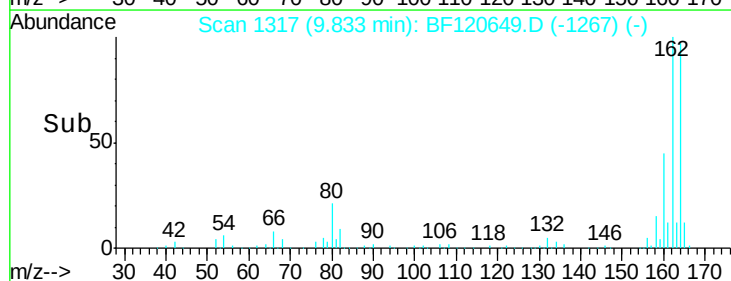
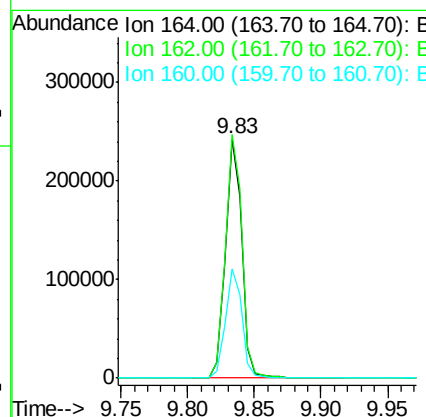
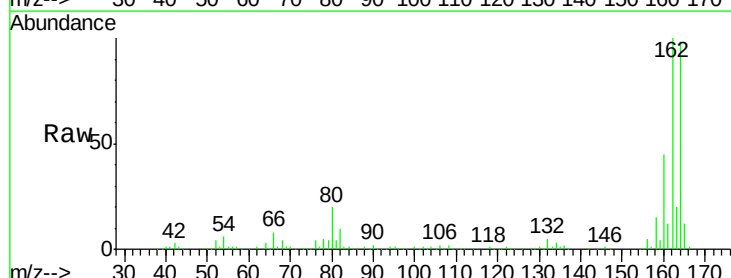
Instrument :
BNA_F
ClientSampleId :
SL-WC-03C

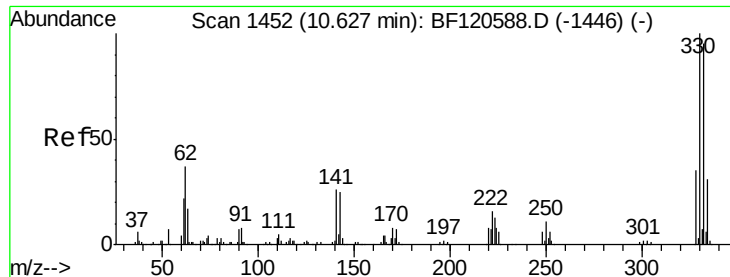
Tot Ion: 82 Resp: 711945
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

Tgt Ion: 164 Resp: 212614
Ion Ratio Lower Upper
164 100
162 102.0 80.6 120.8
160 45.5 36.2 54.2

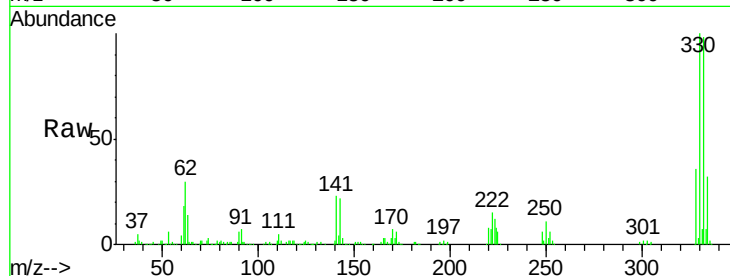




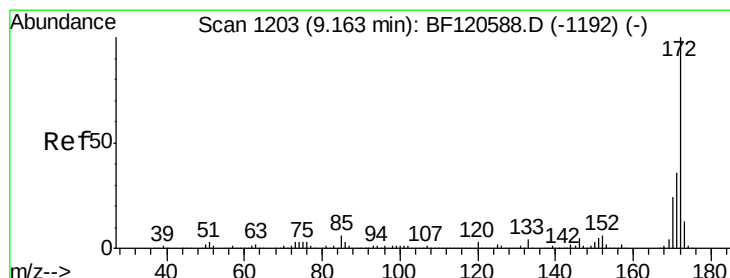
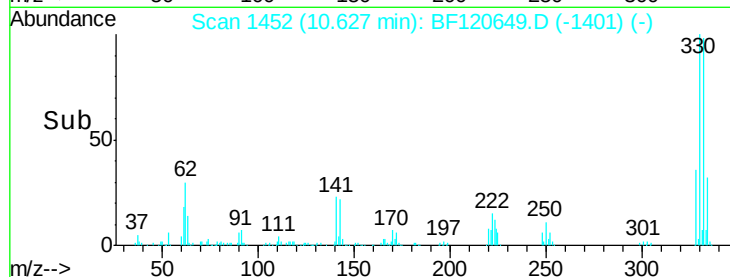
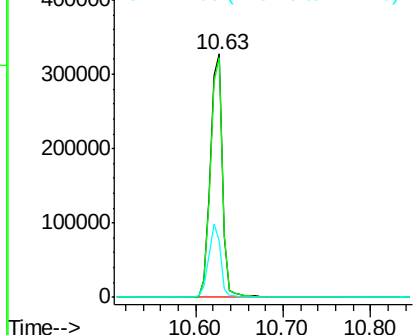
#42
 2,4,6-Tribromophenol
 Concen: 128.623 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120649.D
 Acq: 18 Jun 2020 18:36

Instrument :
 BNA_F
 ClientSampleId :
 SL-WC-03C

Tot Ion:330 Resp: 317947
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.8 115.2
 141 30.3 23.2 34.8

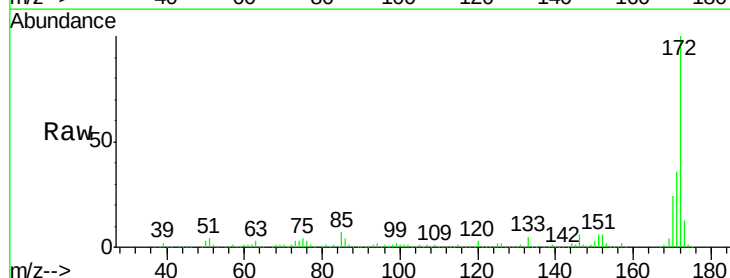


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

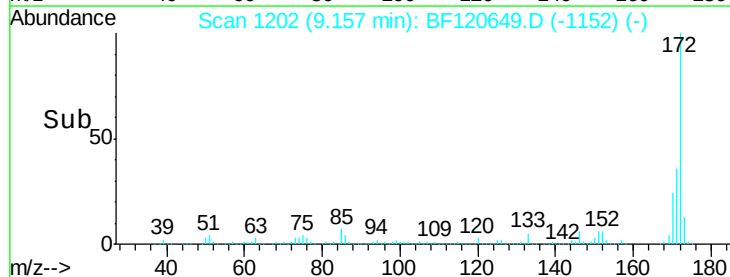
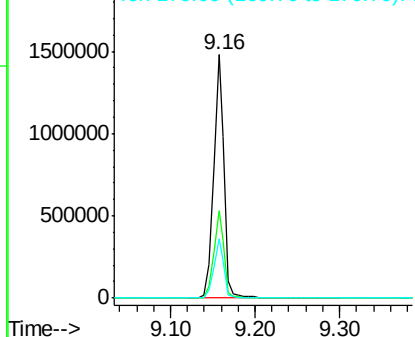


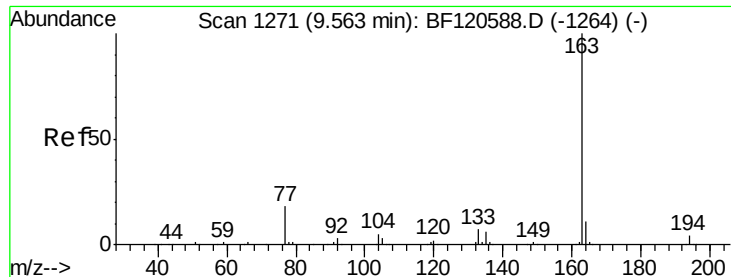
#45
 2-Fluorobiphenyl
 Concen: 94.315 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120649.D
 Acq: 18 Jun 2020 18:36

Tgt Ion:172 Resp: 1310648
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.4
 170 24.2 19.4 29.2



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: 6.729 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120649.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_F

ClientSampleId :

SL-WC-03C

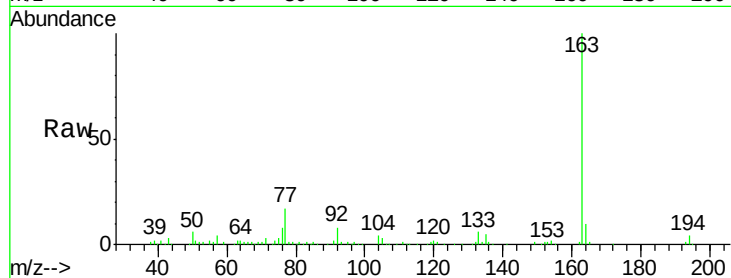
Tot Ion:163 Resp: 103031

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

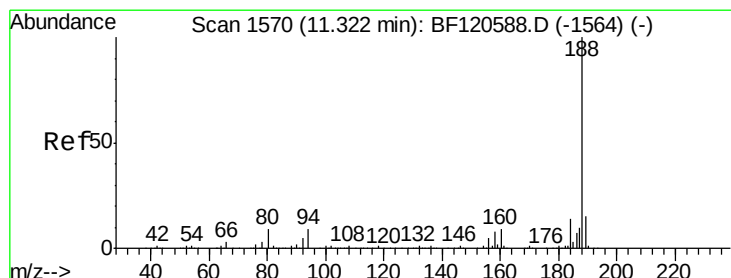
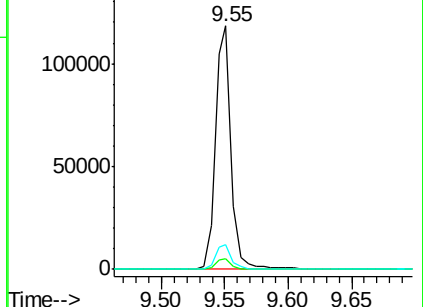
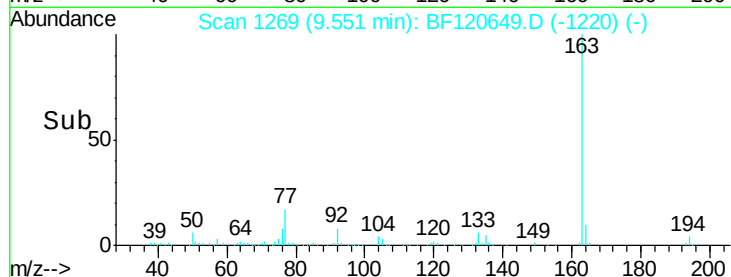
164 9.9 8.5 12.7



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120649.D

Acq: 18 Jun 2020 18:36

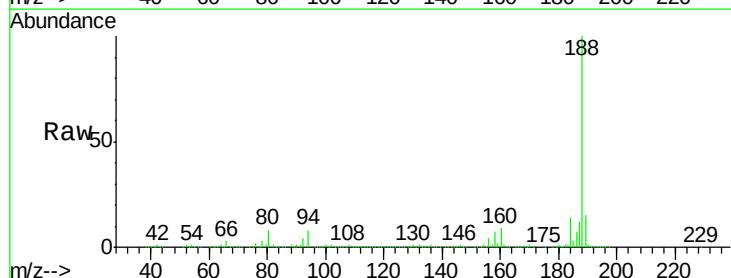
Tgt Ion:188 Resp: 519695

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

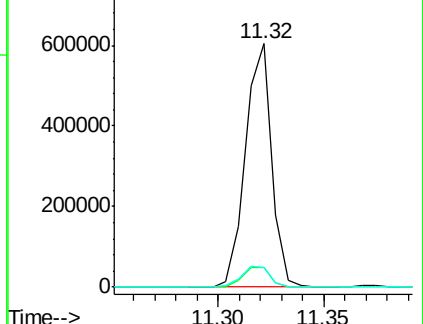
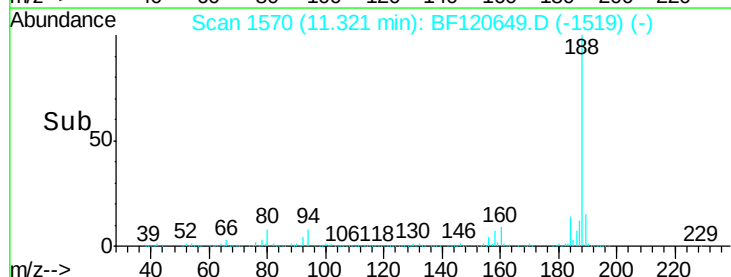
80 8.2 7.4 11.2

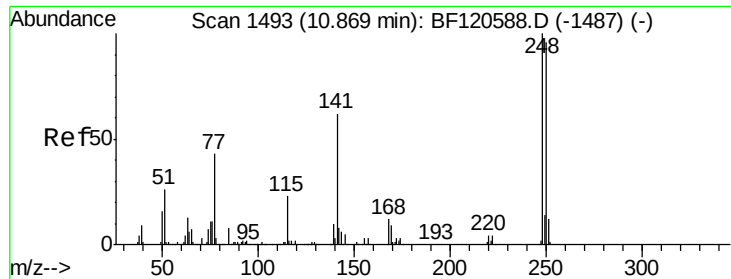


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

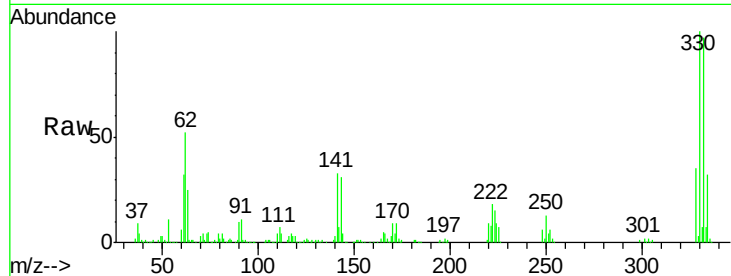




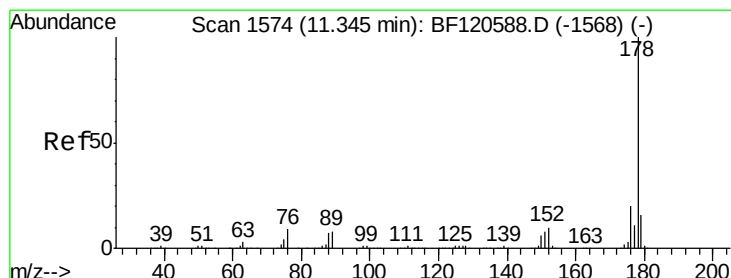
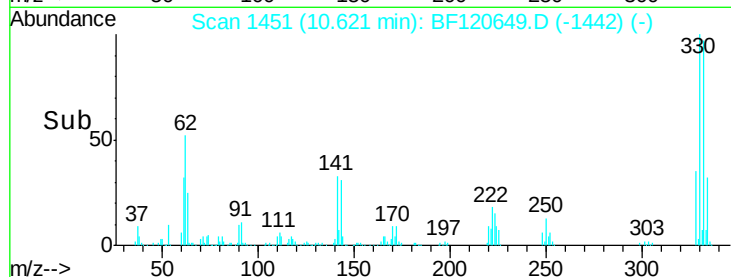
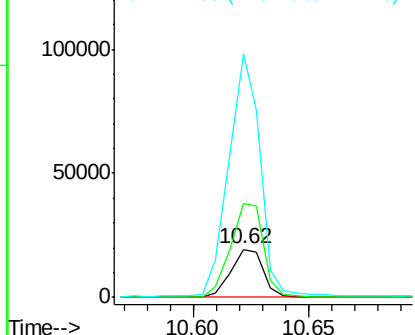
#67
 4-Bromophenyl-phenylether
 Concen: 3.217 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF120649.D
 Acq: 18 Jun 2020 18:36

Instrument :
 BNA_F
 ClientSampleId :
 SL-WC-03C

Tot Ion:248 Resp: 18974
 Ion Ratio Lower Upper
 248 100
 250 196.2 76.7 115.1#
 141 507.9 49.4 74.0#

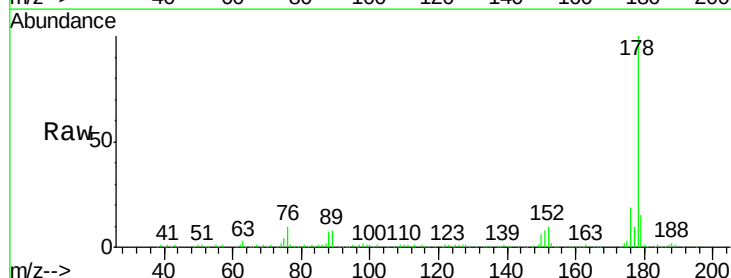


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

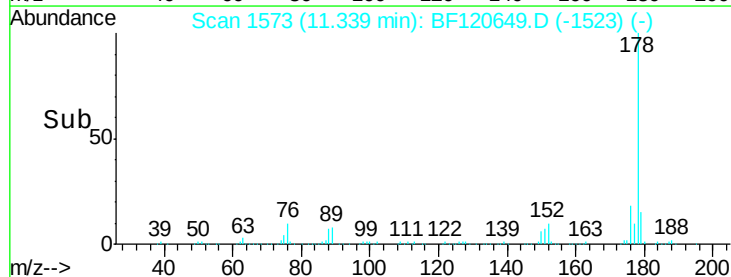
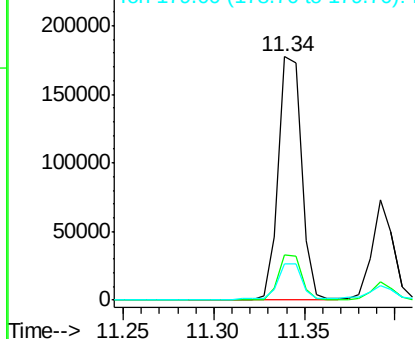


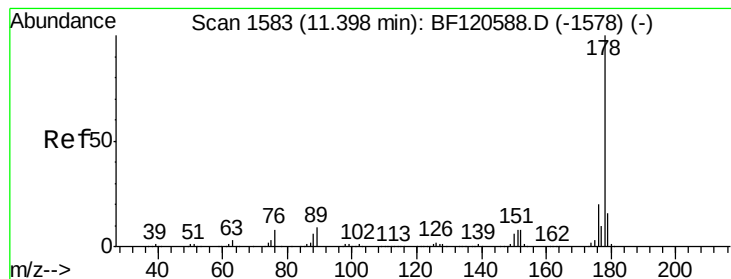
#71
 Phenanthrene
 Concen: 6.178 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF120649.D
 Acq: 18 Jun 2020 18:36

Tgt Ion:178 Resp: 159589
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.9 23.9
 179 15.2 12.8 19.2



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





#72

Anthracene

Concen: 2.216 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF120649.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_F

ClientSampleId :

SL-WC-03C

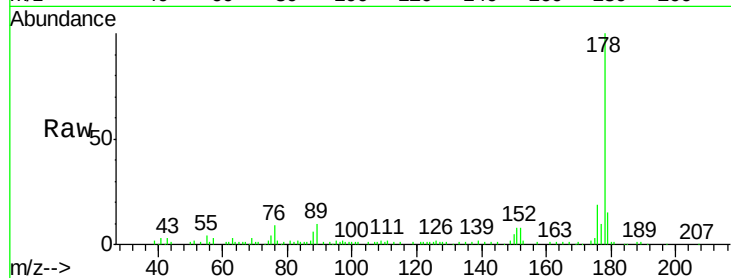
Tot Ion:178 Resp: 57695

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

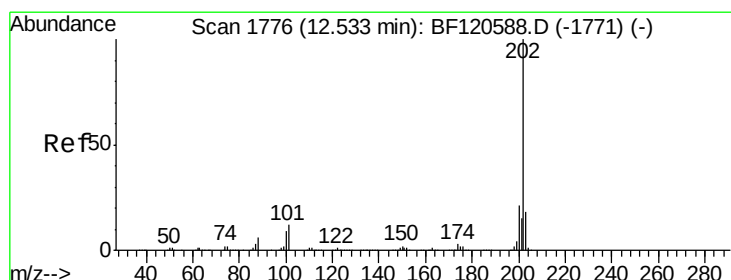
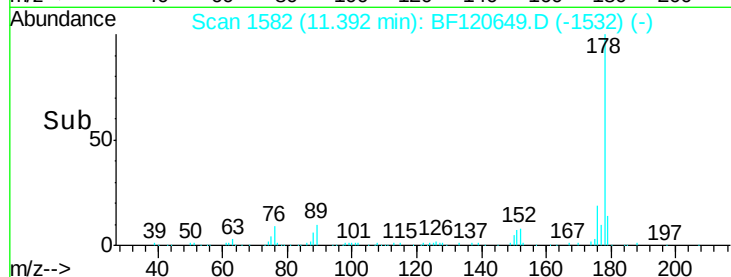
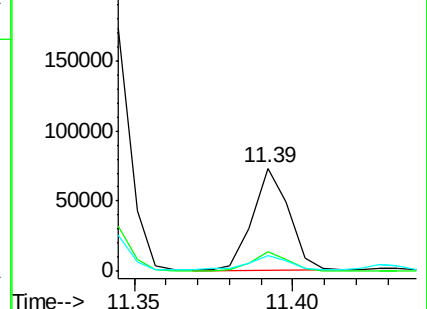
179 14.8 12.9 19.3



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: 7.412 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120649.D

Acq: 18 Jun 2020 18:36

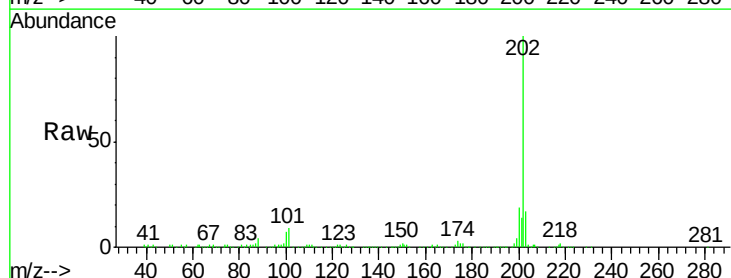
Tgt Ion:202 Resp: 218936

Ion Ratio Lower Upper

202 100

101 8.8 0.0 32.0

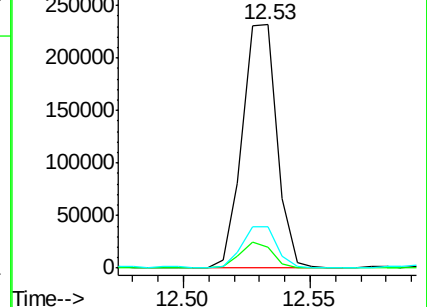
203 16.9 0.0 38.3

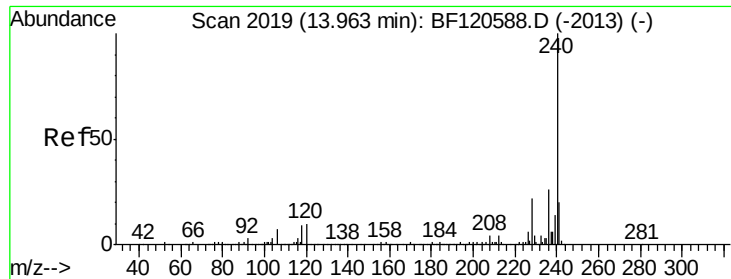


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

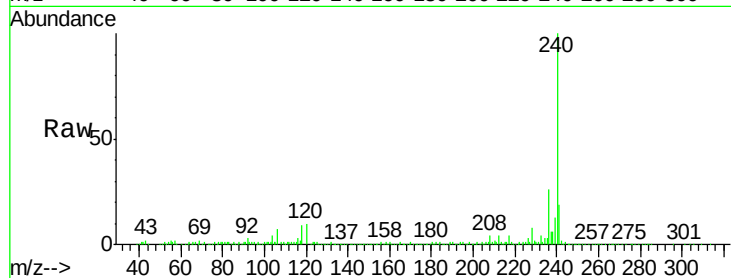




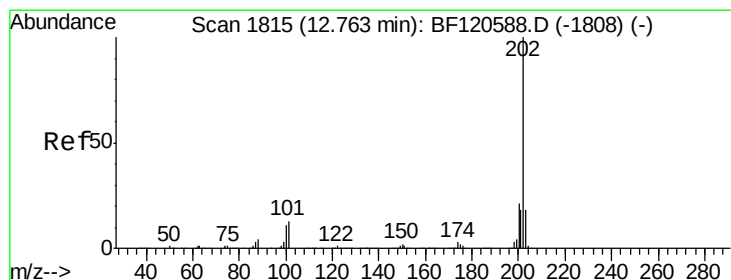
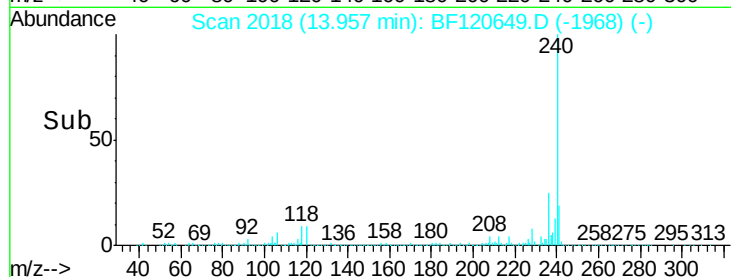
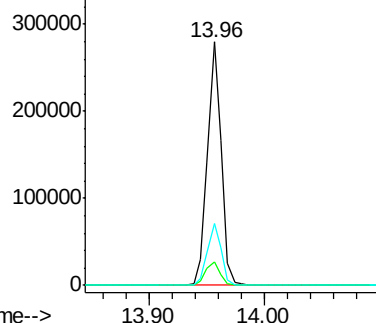
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

Instrument :
BNA_F
ClientSampleId :
SL-WC-03C

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.3	12.5
236	25.6	21.0	31.4

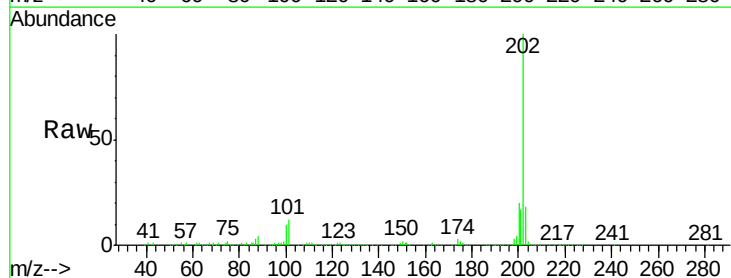


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

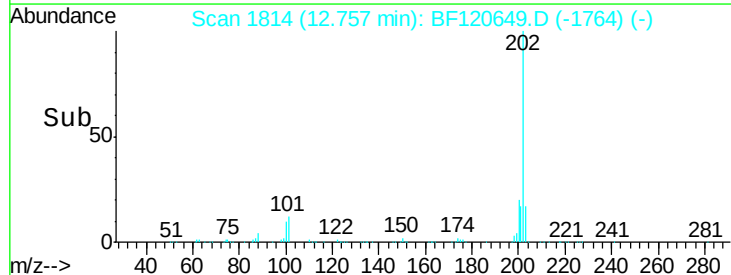
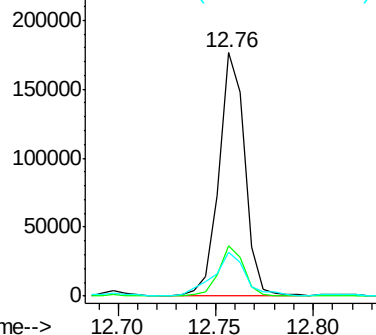


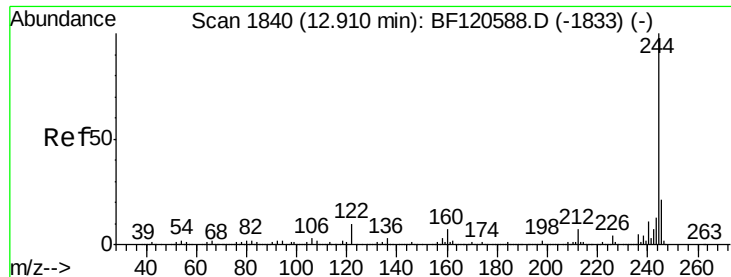
#78
Pyrene
Concen: 9.801 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	17.9	14.3	21.5



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



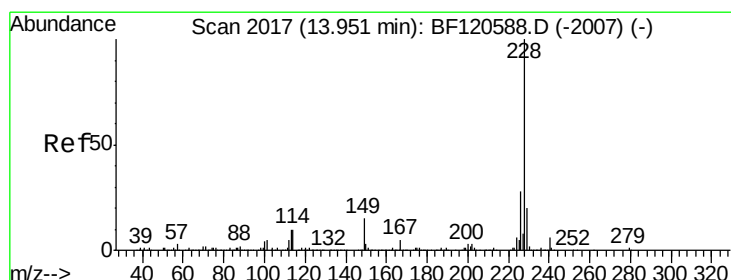
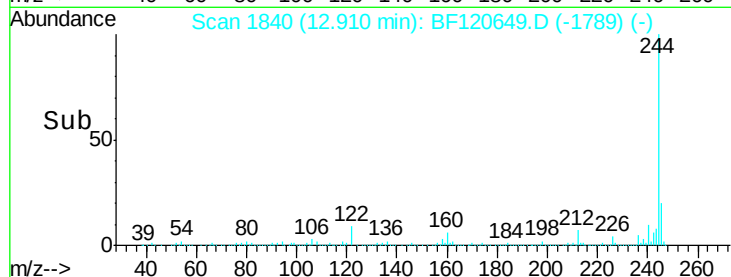
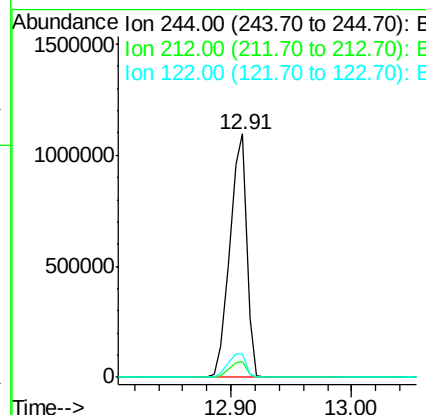
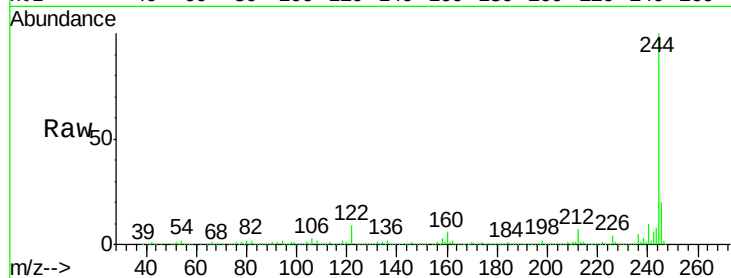


#79
 Terphenyl-d14
 Concen: 100.536 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BF120649.D
 Acq: 18 Jun 2020 18:36

Instrument :
 BNA_F
 ClientSampled :
 SL-WC-03C

Tot Ion:244 Resp: 1057873

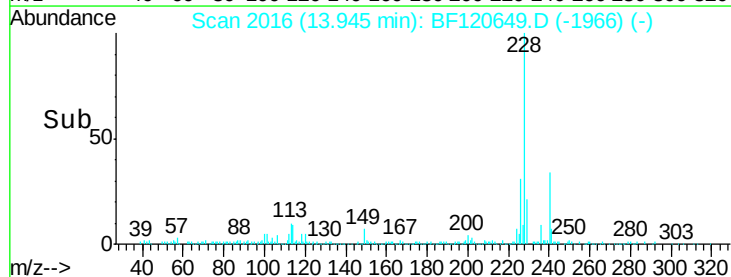
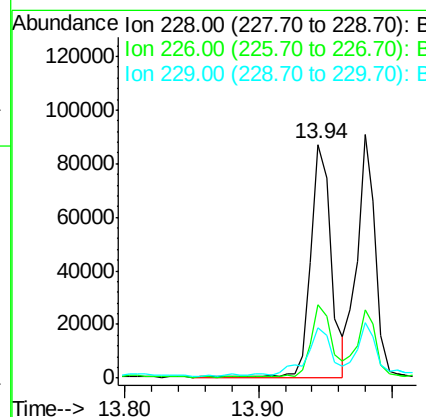
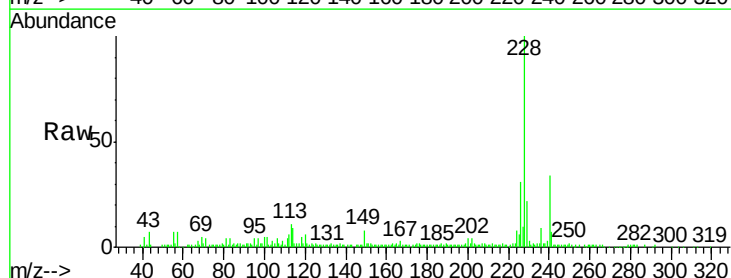
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	9.4	8.3	12.5

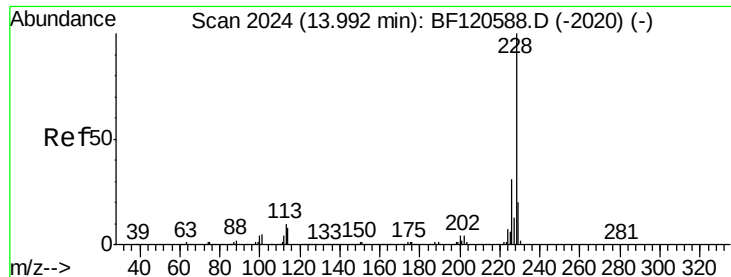


#81
 Benzo(a)anthracene
 Concen: 6.405 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF120649.D
 Acq: 18 Jun 2020 18:36

Tgt Ion:228 Resp: 89439

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.5	33.7
229	21.6	16.1	24.1

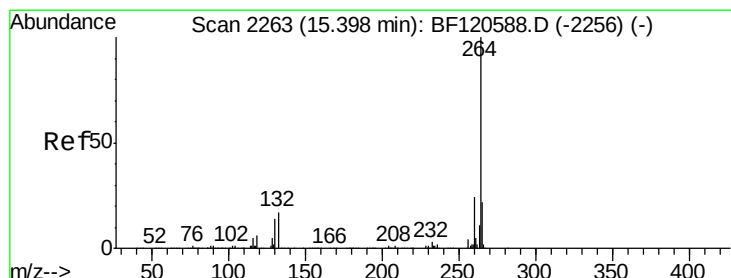
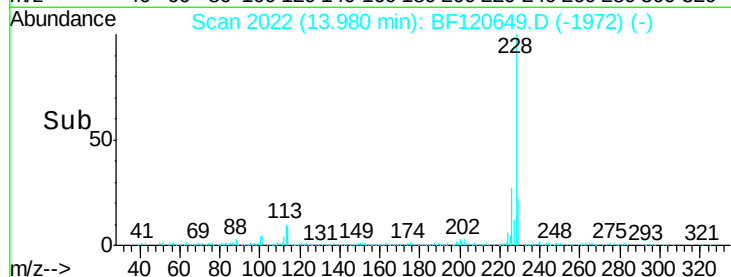
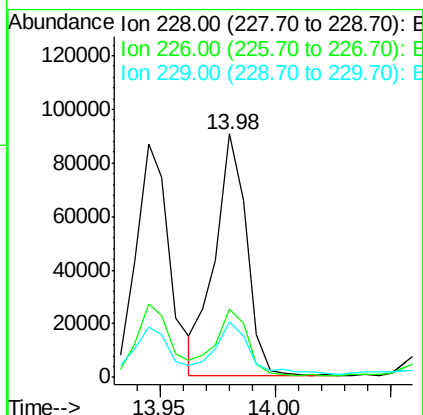
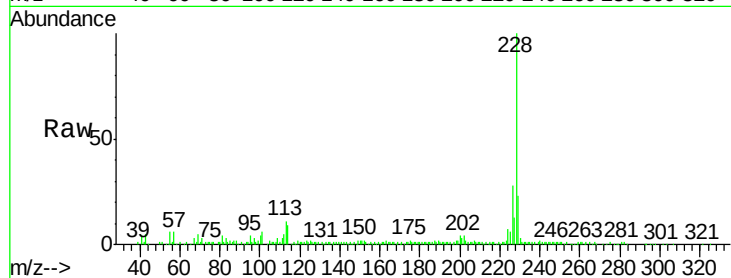




#83
Chrysene
Concen: 6.004 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

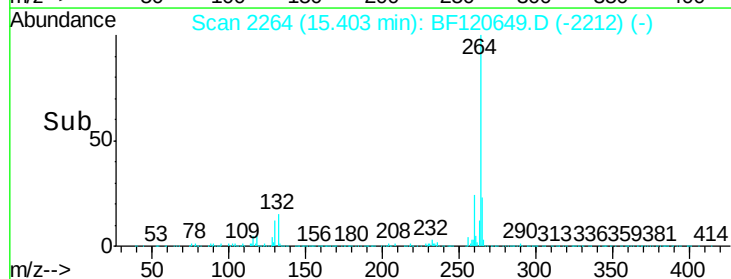
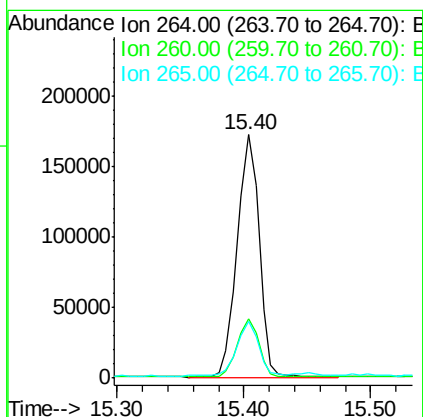
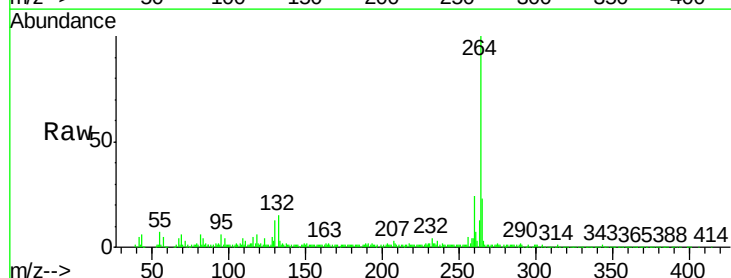
Instrument :
BNA_F
ClientSampleId :
SL-WC-03C

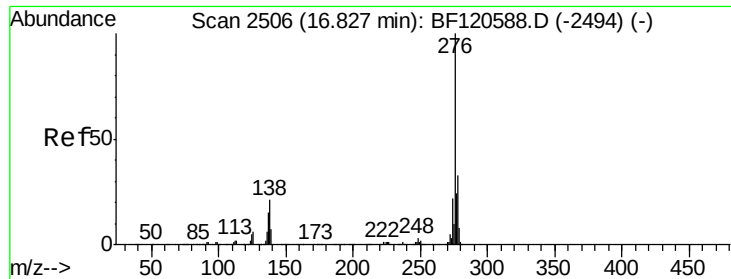
Tot Ion:228 Resp: 85997
Ion Ratio Lower Upper
228 100
226 28.3 24.9 37.3
229 23.0 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

Tgt Ion:264 Resp: 206559
Ion Ratio Lower Upper
264 100
260 24.3 19.3 28.9
265 23.4 17.8 26.8

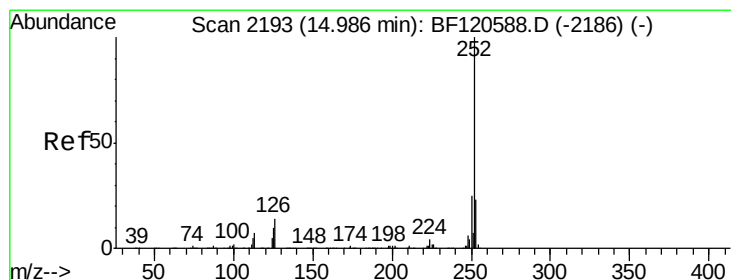
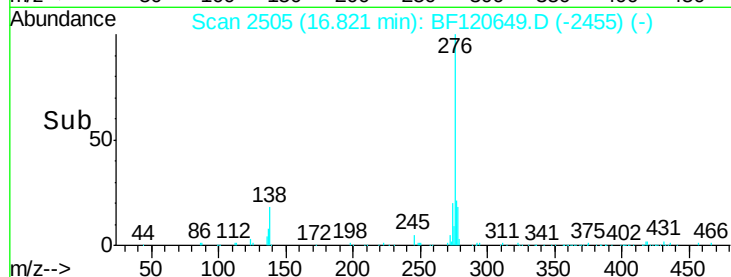
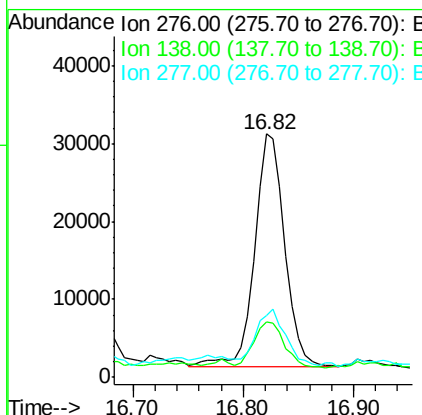
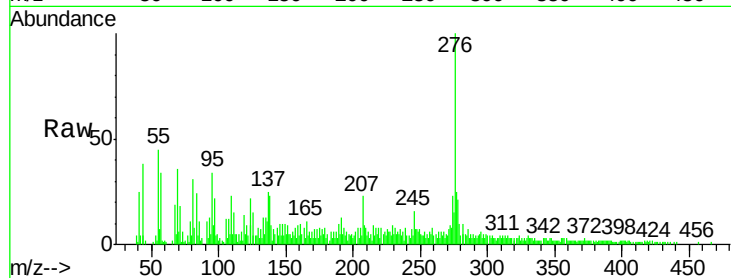




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.526 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

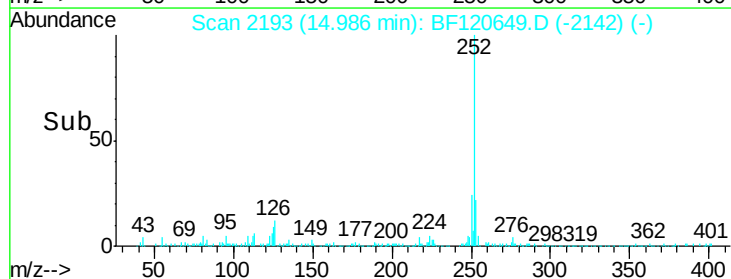
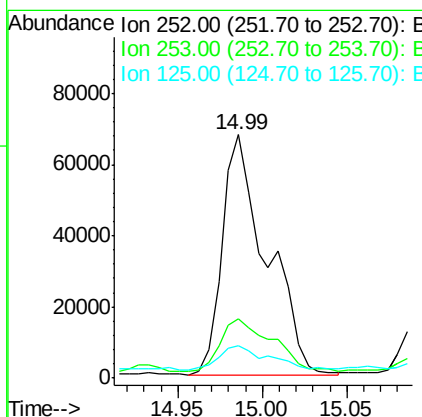
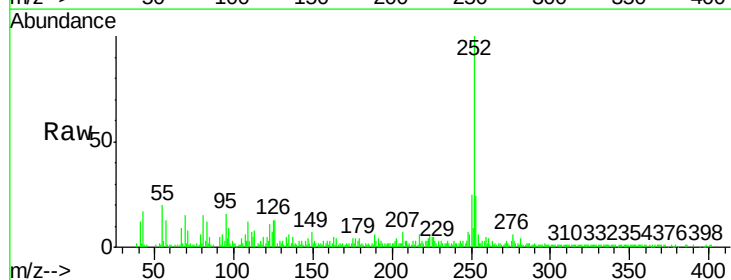
Instrument :
BNA_F
ClientSampleId :
SL-WC-03C

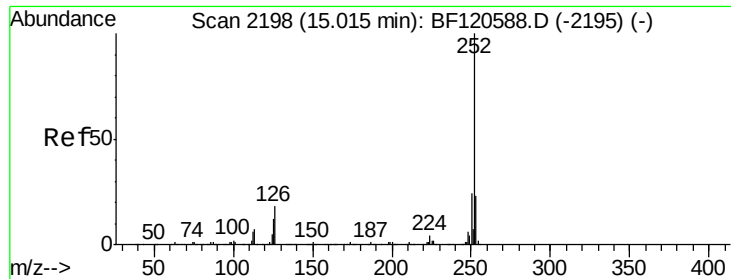
Tot Ion:276 Resp: 56872
Ion Ratio Lower Upper
276 100
138 19.9 18.9 28.3
277 24.2 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 10.028 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

Tgt Ion:252 Resp: 123383
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 13.3 8.3 12.5#

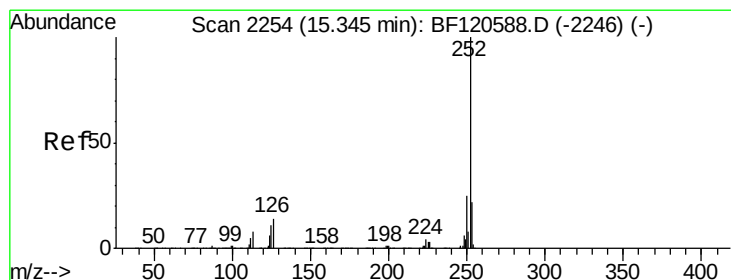
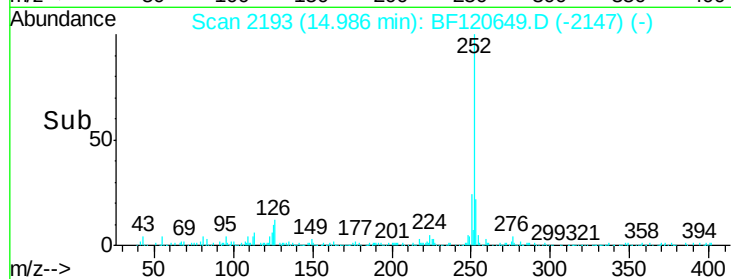
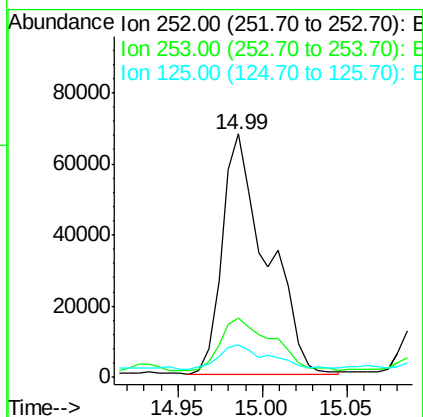
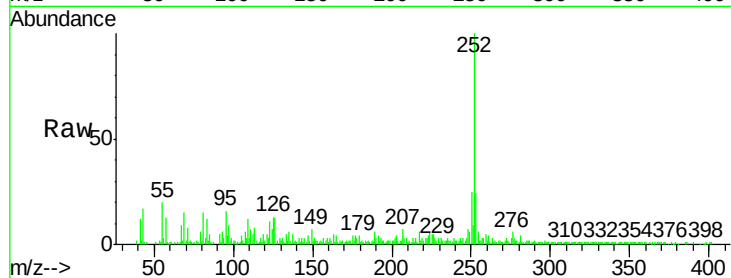




#89
Benzo(k)fluoranthene
Concen: 11.332 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

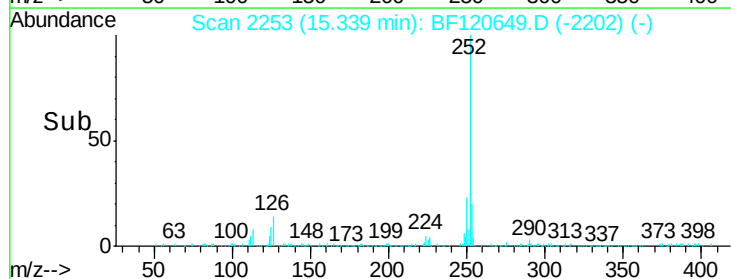
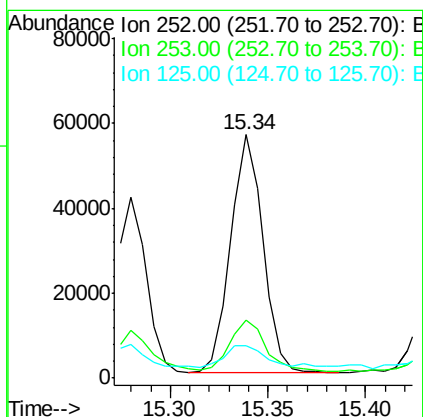
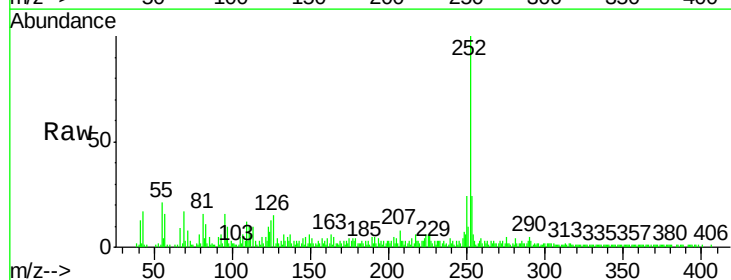
Instrument :
BNA_F
ClientSampleId :
SL-WC-03C

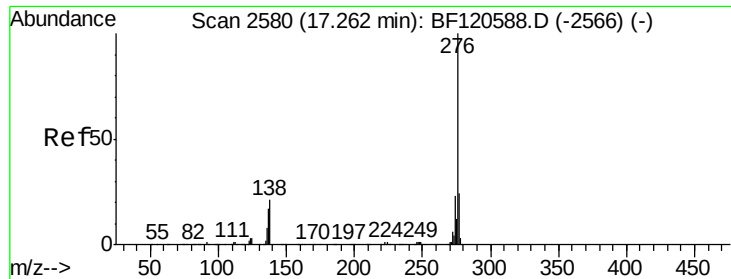
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	13.3	8.3	12.5



#90
Benzo(a)pyrene
Concen: 5.875 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.00 min
Lab File: BF120649.D
Acq: 18 Jun 2020 18:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	13.5	8.6	12.8





#92

Benzo(a,h,i)perylene

Concen: 6.215 ng

RT: 17.26 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF120649.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_F

ClientSampleId :

SL-WC-03C

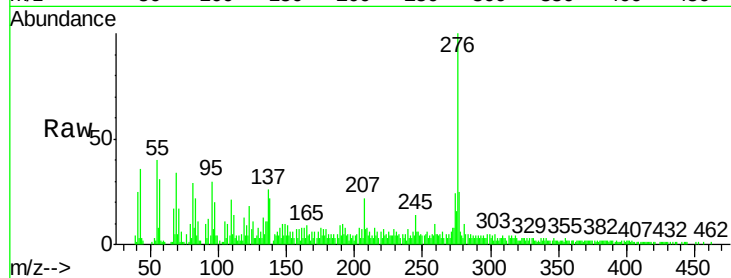
Tot Ion:276 Resp: 63120

Ion Ratio Lower Upper

276 100

277 25.1 19.6 29.4

138 21.8 16.5 24.7



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

