

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120468.D
 Acq On : 1 Jun 2020 13:58
 Operator : JU/CG
 Sample : L2792-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM28-COMP-2020-0-6

Quant Time: Jun 01 14:35:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	208961	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	715494	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	322964	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	548948	20.00	ng	0.00
76) Chrysene-d12	14.00	240	515106	20.00	ng	0.00
86) Perylene-d12	15.46	264	594861	20.00	ng	0.00

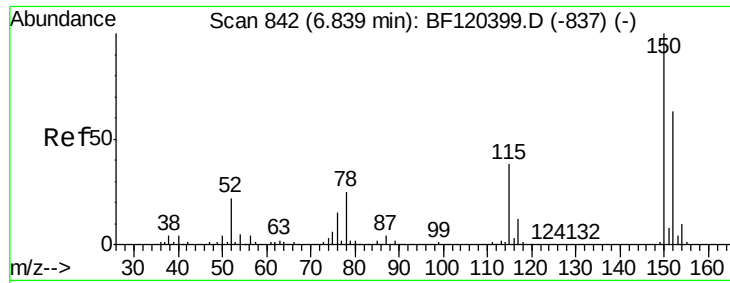
System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1259636	114.88	ng	0.00
7) Phenol-d6	6.47	99	1535506	113.62	ng	0.00
23) Nitrobenzene-d5	7.40	82	968544	88.55	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	365538	122.16	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1679493	88.23	ng	0.00
79) Terphenyl-d14	12.95	244	1708573	73.81	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	130313	15.169	ng	# 77
25) Isophorone	7.40	82	963885	43.845	ng	# 64
50) Dimethylphthalate	9.59	163	269171	13.331	ng	99
56) 4-Nitrophenol	10.07	139	8295	2.056	ng	# 13
57) 2,4-Dinitrotoluene	9.87	165	42013	7.316	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	22150	3.997	ng	# 1
71) Phenanthrene	11.38	178	457689	18.922	ng	98
72) Anthracene	11.43	178	121776	5.018	ng	96
75) Fluoranthene	12.57	202	924373	35.516	ng	97
78) Pyrene	12.80	202	858213	23.957	ng	98
80) Butylbenzylphthalate	13.42	149	102691	6.867	ng	95
81) Benzo(a)anthracene	13.99	228	520375	18.849	ng	97
83) Chrysene	14.02	228	444952	15.374	ng	97
88) Benzo(b)fluoranthene	15.03	252	880077	26.636	ng	97
89) Benzo(k)fluoranthene	15.03	252	880077	28.532	ng	98
90) Benzo(a)pyrene	15.39	252	471144	16.302	ng	99
91) Dibenzo(a,h)anthracene	17.07	278	58174	2.193	ng	93
92) Benzo(g,h,i)perylene	17.33	276	272423	10.413	ng	98

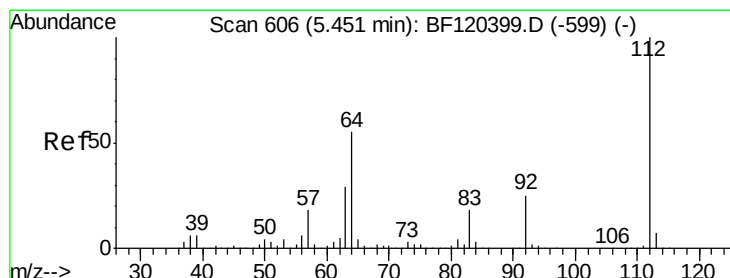
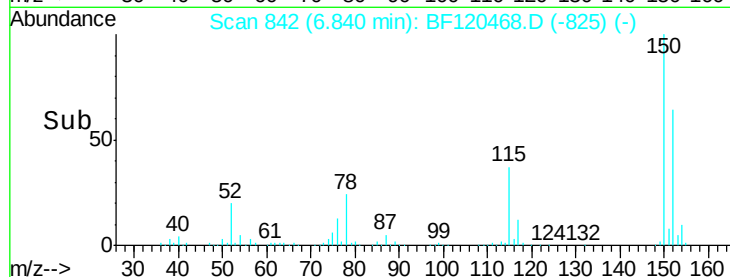
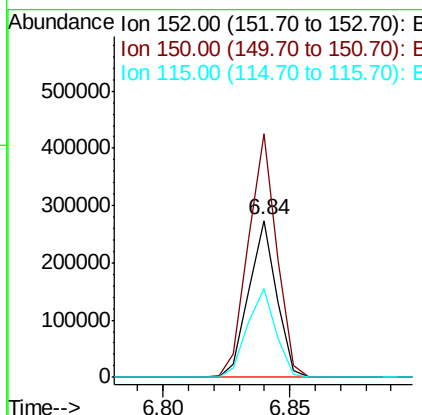
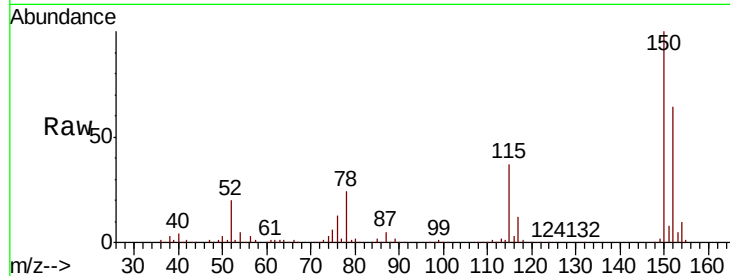
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF120468.D
 Acq: 1 Jun 2020 13:58

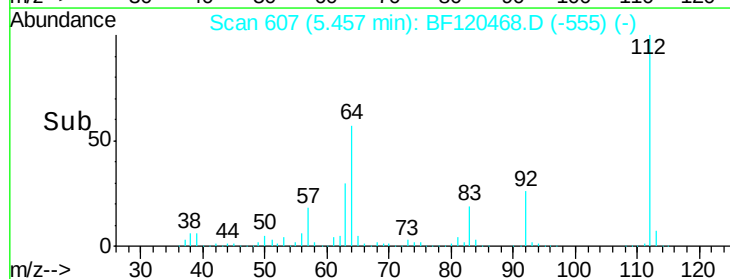
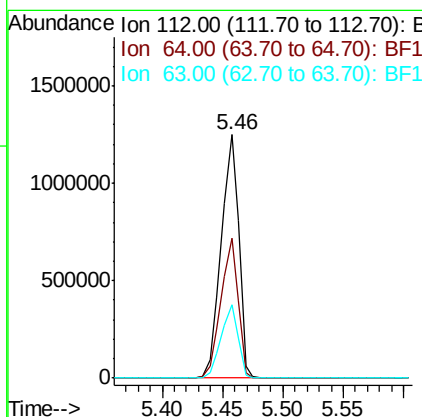
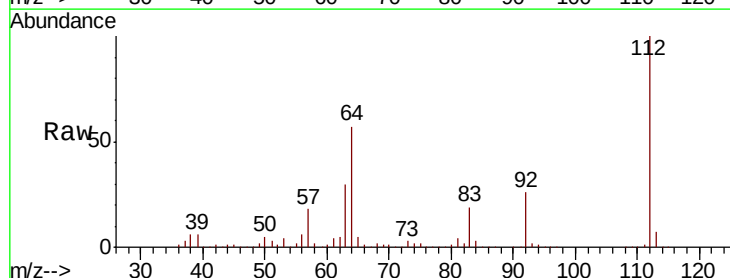
Instrument :
 BNA_F
 ClientSampleId :
 NM28-COMP-2020-0-6

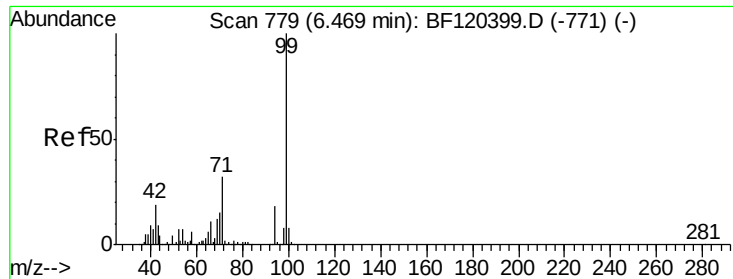
Tot Ion:152 Resp: 208961
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.5 189.7
 115 56.9 47.6 71.4



#5
 2-Fluorophenol
 Concen: 114.880 ng
 RT: 5.46 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: BF120468.D
 Acq: 1 Jun 2020 13:58

Tgt Ion:112 Resp: 1259636
 Ion Ratio Lower Upper
 112 100
 64 57.3 44.3 66.5
 63 30.0 22.9 34.3





#7

Phenol-d6

Concen: 113.616 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120468.D

Acq: 1 Jun 2020 13:58

Instrument :

BNA_F

ClientSampleId :

NM28-COMP-2020-0-6

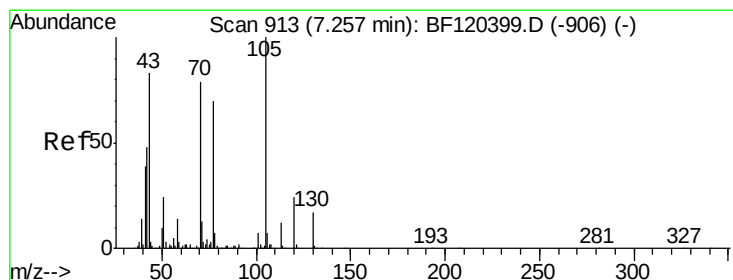
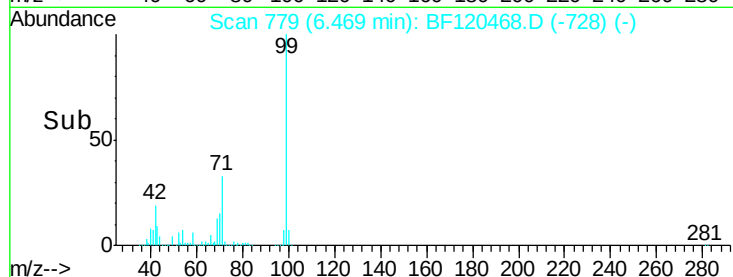
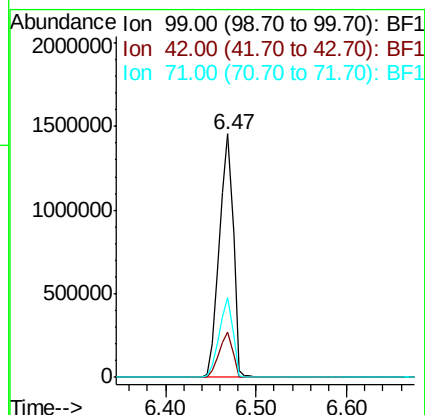
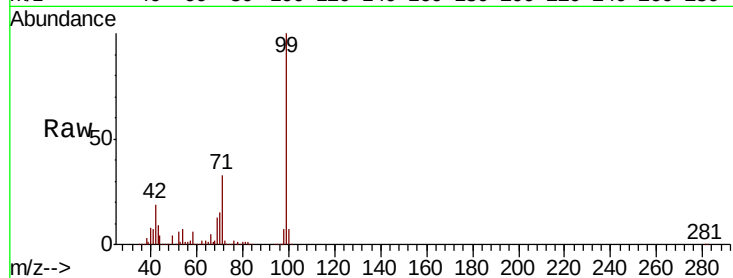
Tot Ion: 99 Resp: 1535506

Ion Ratio Lower Upper

99 100

42 18.8 15.2 22.8

71 32.8 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.169 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120468.D

Acq: 1 Jun 2020 13:58

Tgt Ion: 70 Resp: 130313

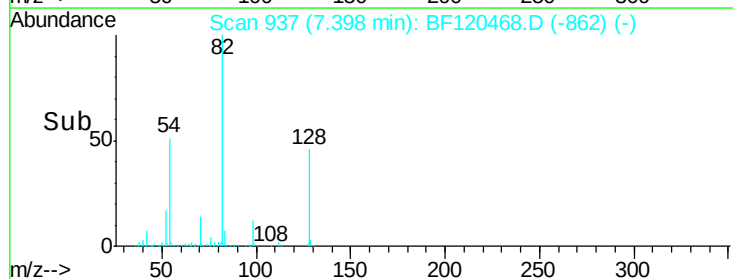
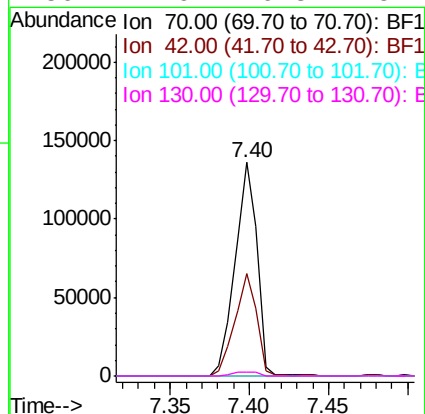
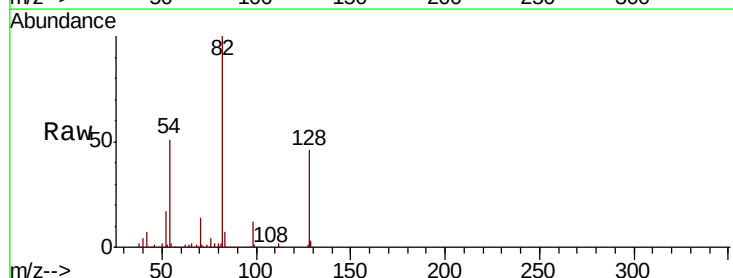
Ion Ratio Lower Upper

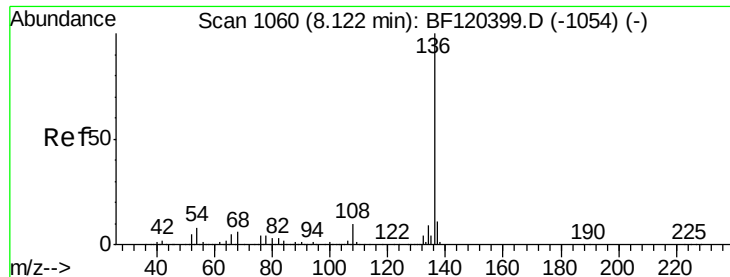
70 100

42 47.9 48.9 73.3#

101 0.0 7.4 11.2#

130 1.9 16.8 25.2#

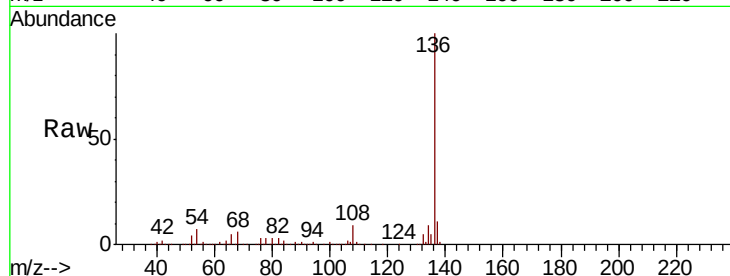




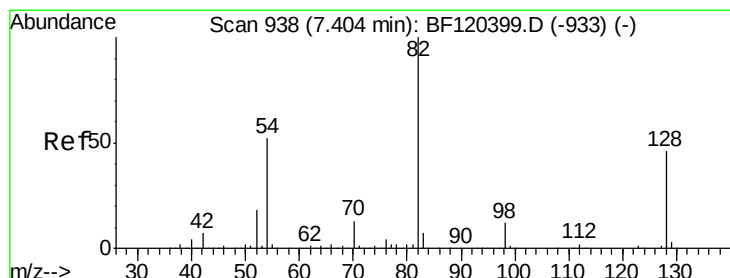
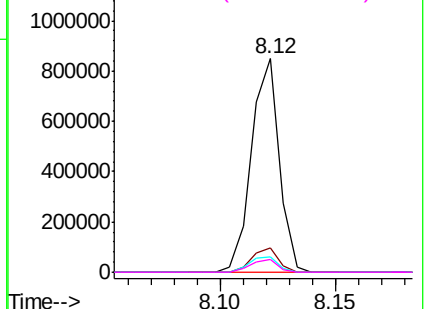
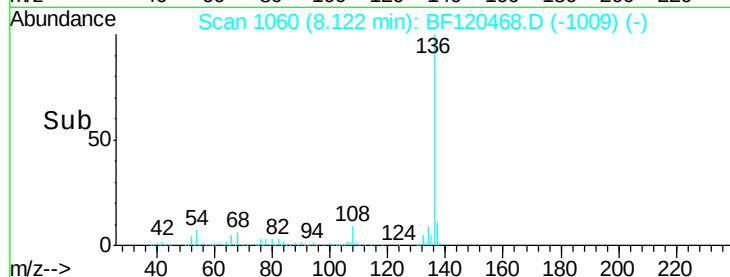
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

Instrument :
BNA_F
ClientSampleId :
NM28-COMP-2020-0-6

Tot Ion:136	Resp:	715494
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.1	13.7
54 7.5	6.7	10.1
68 5.8	5.0	7.4

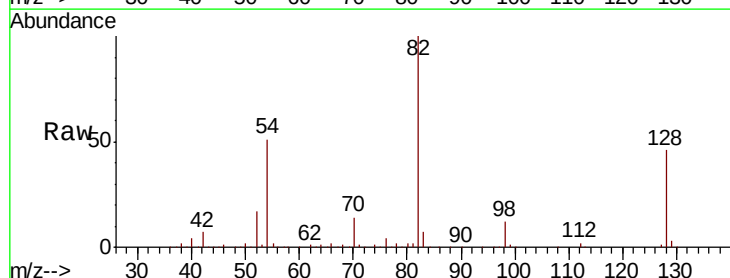


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

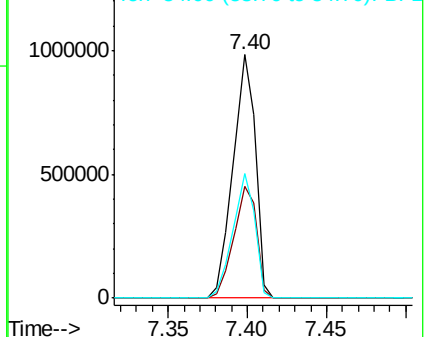
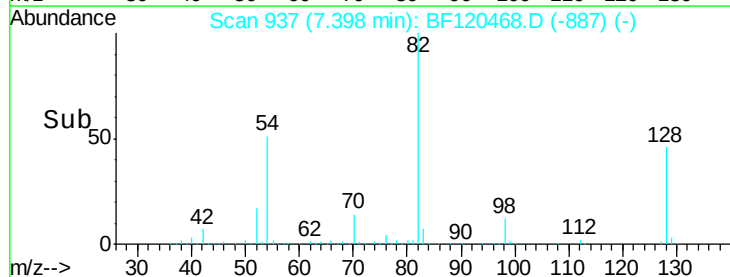


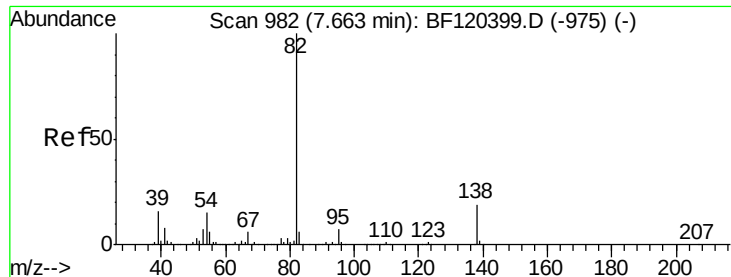
#23
Nitrobenzene-d5
Concen: 88.548 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

Tgt Ion: 82	Resp: 968544
Ion Ratio	Lower Upper
82 100	
128 46.0	36.8 55.2
54 51.3	41.6 62.4



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: 43.845 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120468.D

Acq: 1 Jun 2020 13:58

Instrument :

BNA_F

ClientSampleId :

NM28-COMP-2020-0-6

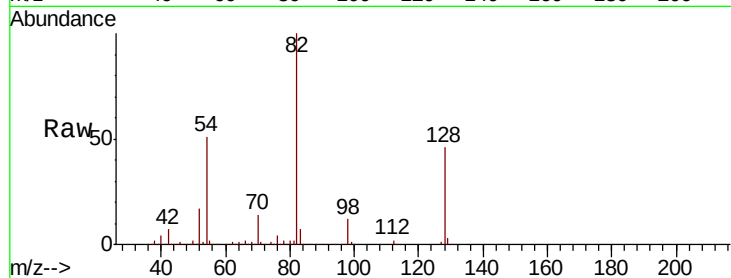
Tot Ion: 82 Resp: 963885

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

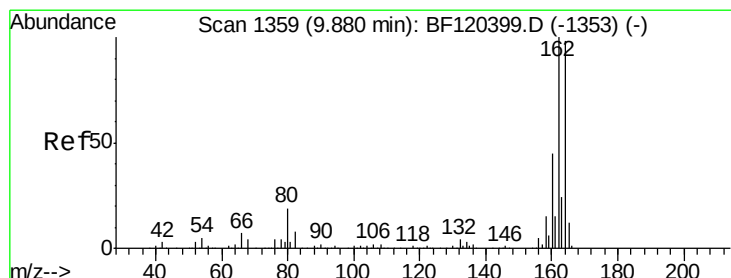
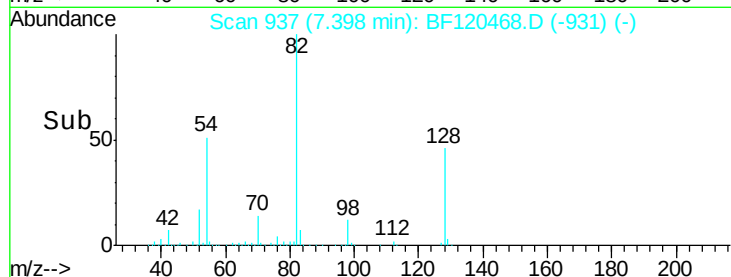
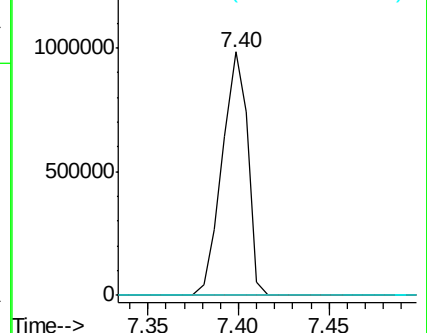
138 0.0 15.0 22.4#



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: 9.87 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BF120468.D

Acq: 1 Jun 2020 13:58

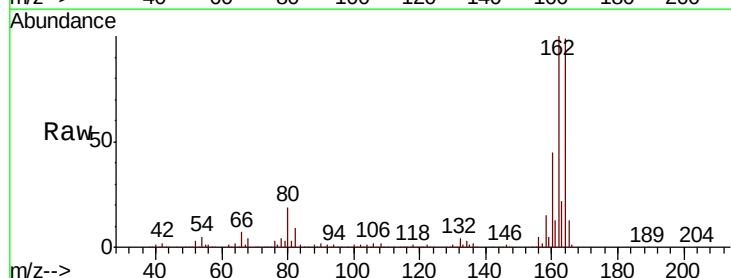
Tgt Ion:164 Resp: 322964

Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

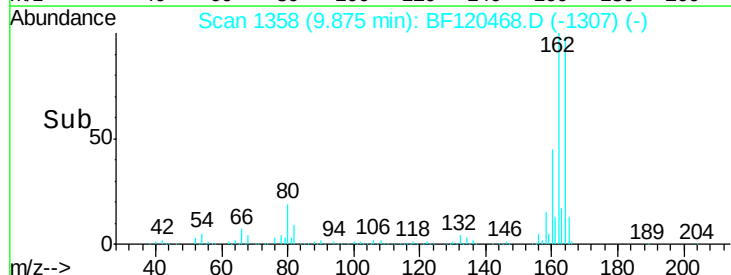
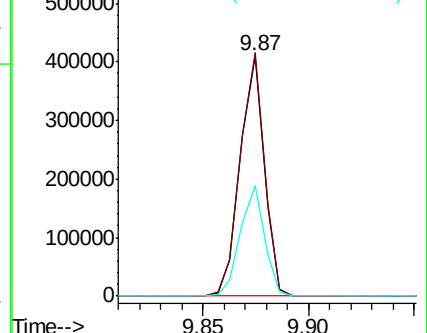
160 46.0 36.9 55.3

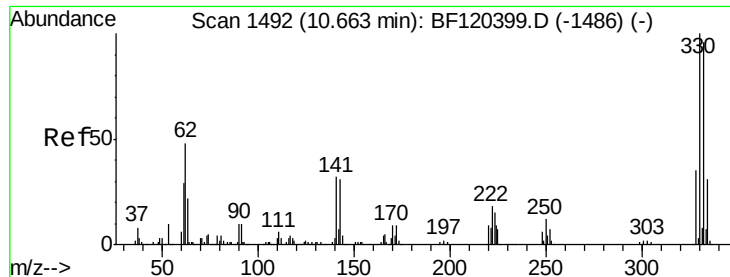


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

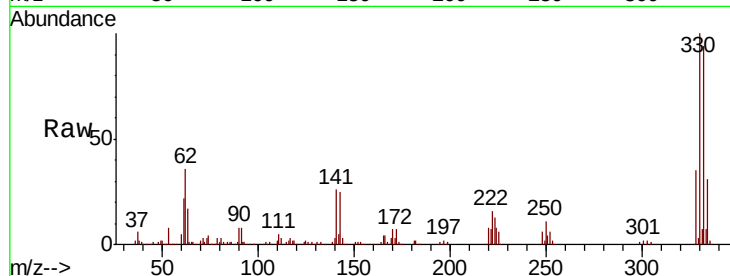




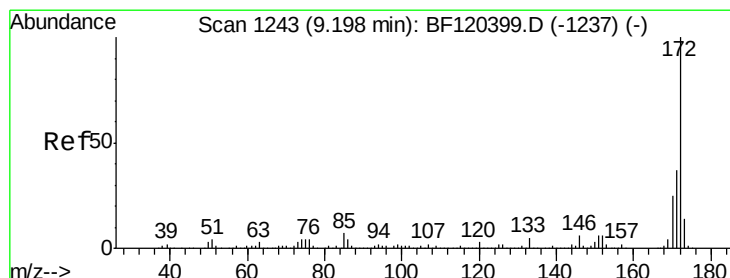
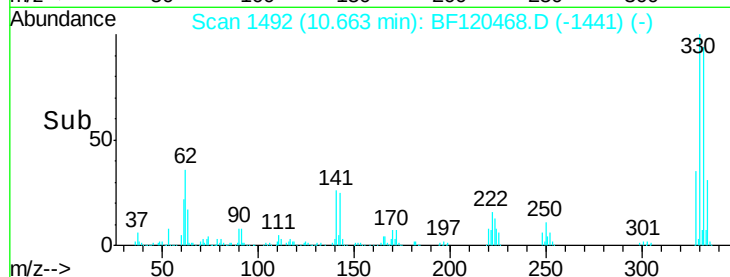
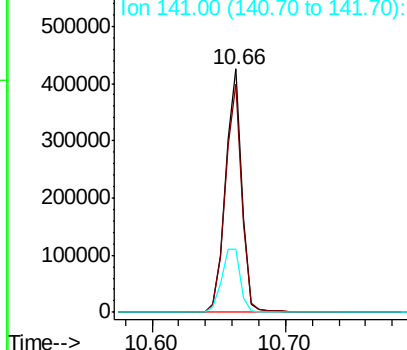
#42
 2,4,6-Tribromophenol
 Concen: 122.155 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120468.D
 Acq: 1 Jun 2020 13:58

Instrument :
 BNA_F
 ClientSampleId :
 NM28-COMP-2020-0-6

Tot Ion:330 Resp: 365538
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 30.5 25.3 37.9

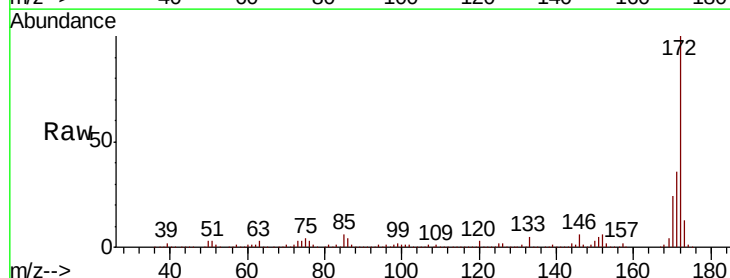


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

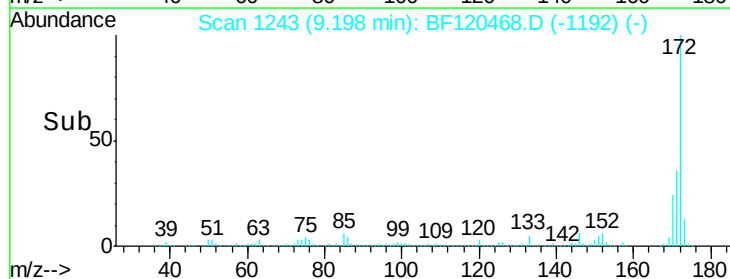
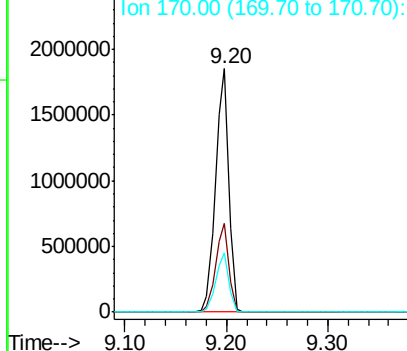


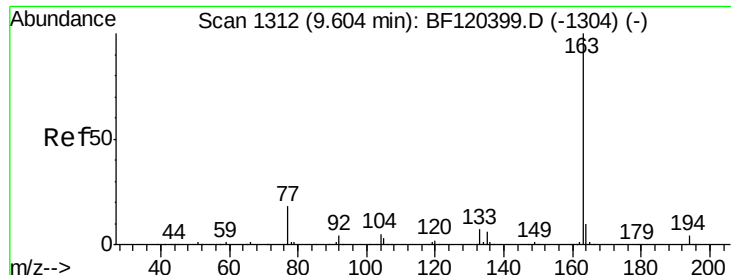
#45
 2-Fluorobiphenyl
 Concen: 88.232 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120468.D
 Acq: 1 Jun 2020 13:58

Tgt Ion:172 Resp: 1679493
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.4 19.9 29.9



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

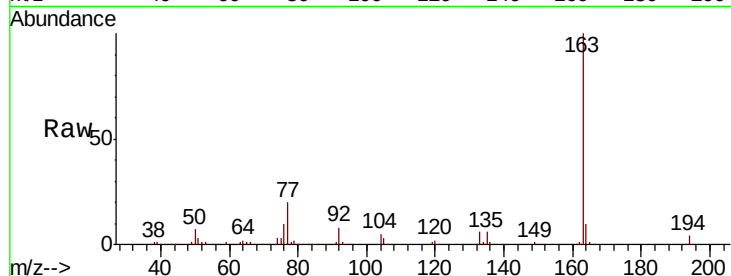




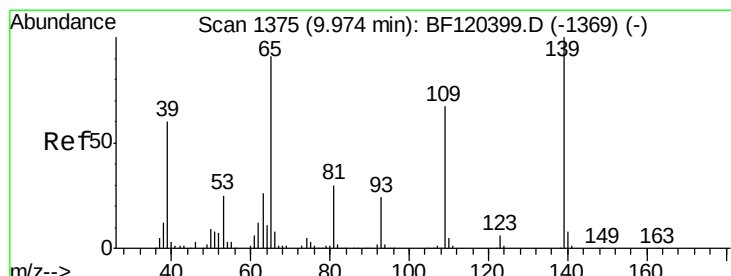
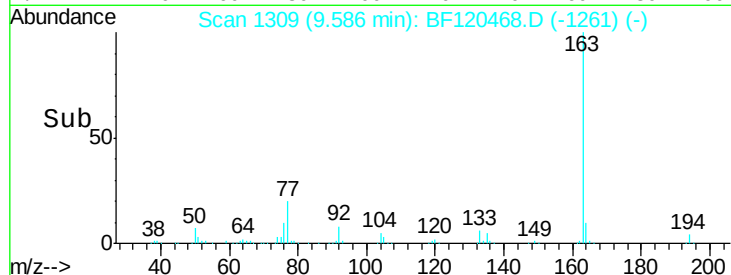
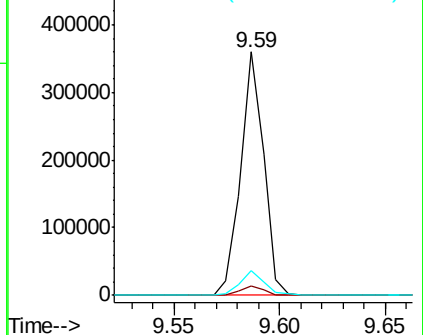
#50
Dimethylphthalate
Concen: 13.331 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

Instrument :
BNA_F
ClientSampleId :
NM28-COMP-2020-0-6

Tot Ion:163 Resp: 269171
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.1 8.3 12.5

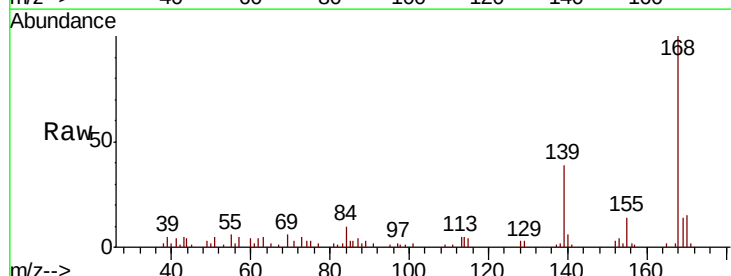


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

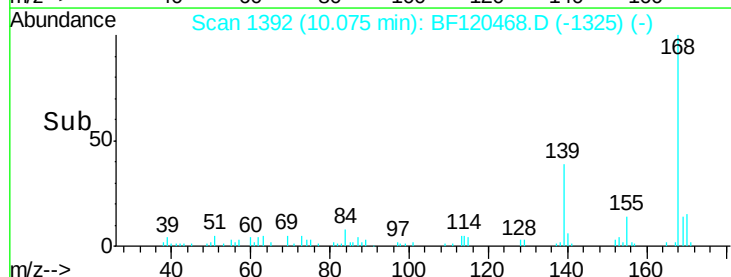
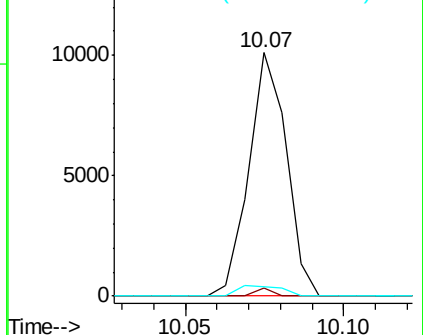


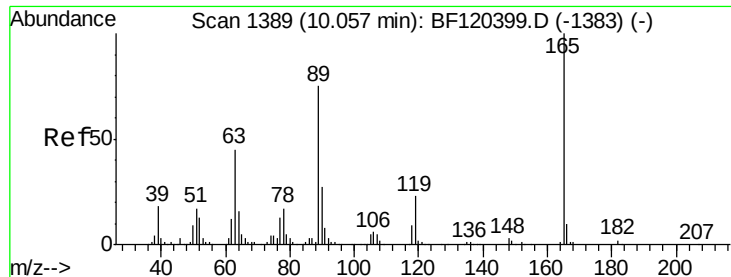
#56
4-Nitrophenol
Concen: 2.056 ng
RT: 10.07 min Scan# 1392
Delta R.T. 0.09 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

Tgt Ion:139 Resp: 8295
Ion Ratio Lower Upper
139 100
109 3.3 47.3 87.3#
65 4.1 71.5 111.5#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

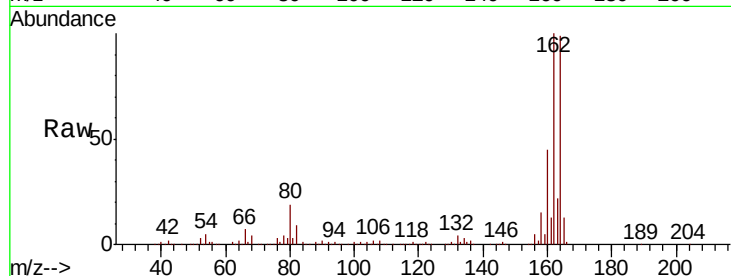




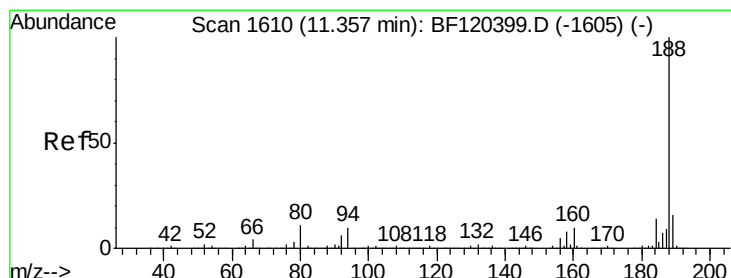
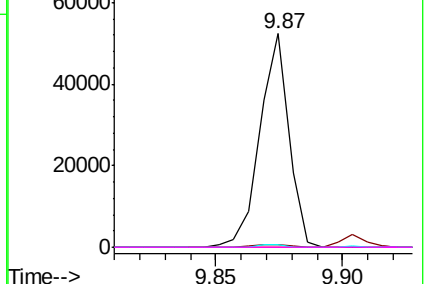
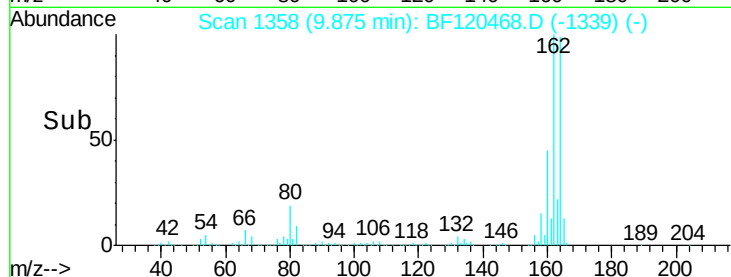
#57
2,4-Dinitrotoluene
Concen: 7.316 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

Instrument :
BNA_F
ClientSampleId :
NM28-COMP-2020-0-6

Tot Ion:165 Resp: 42013
Ion Ratio Lower Upper
165 100
63 1.3 35.9 53.9#
89 1.2 60.0 90.0#
182 0.0 2.0 3.0#

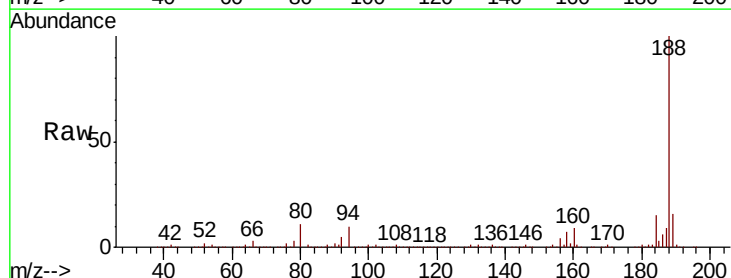


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

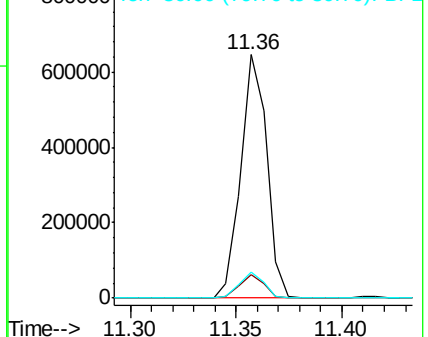
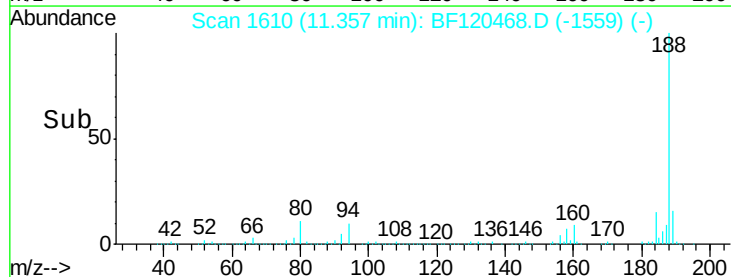


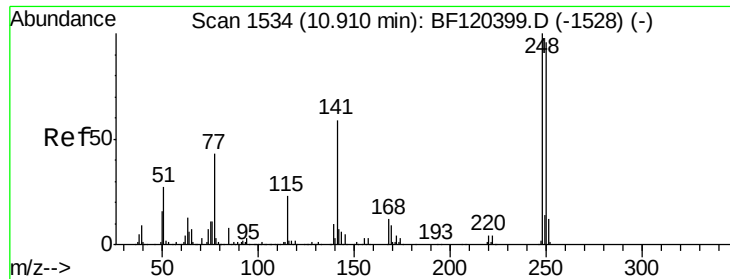
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

Tgt Ion:188 Resp: 548948
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.7 8.6 13.0



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

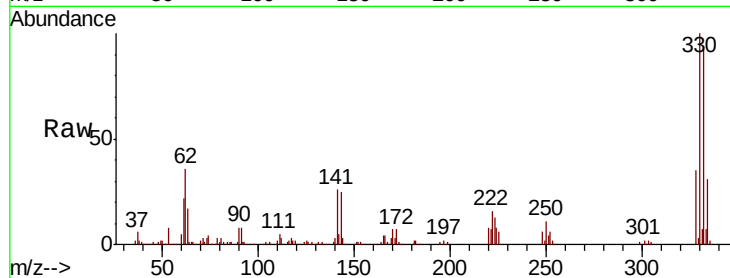




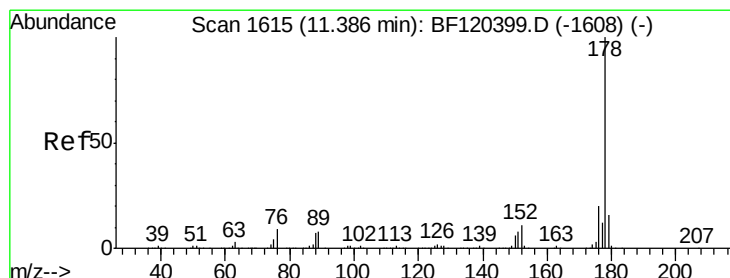
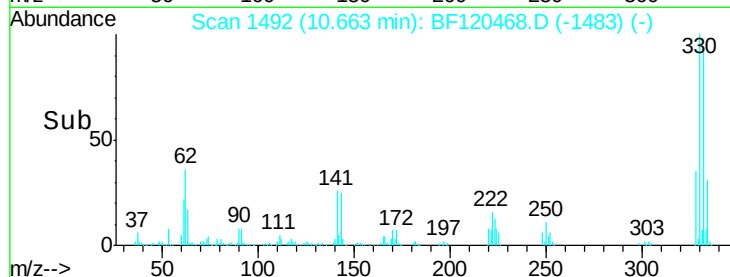
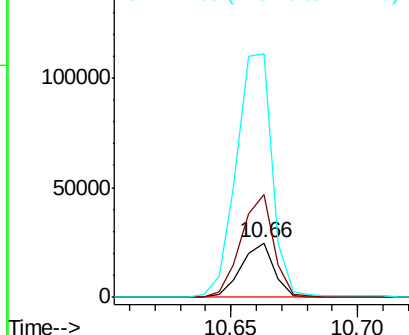
#67
 4-Bromophenyl-phenylether
 Concen: 3.997 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.25 min
 Lab File: BF120468.D
 Acq: 1 Jun 2020 13:58

Instrument :
 BNA_F
 ClientSampleId :
 NM28-COMP-2020-0-6

Tot Ion:248 Resp: 22150
 Ion Ratio Lower Upper
 248 100
 250 189.5 76.5 114.7#
 141 446.8 47.2 70.8#

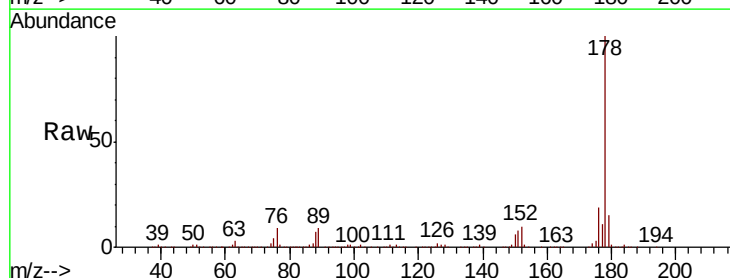


Abundance Ion 248.00 (247.70 to 248.70): E
 150000 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

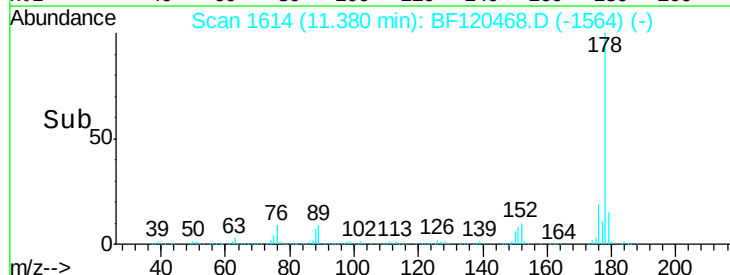
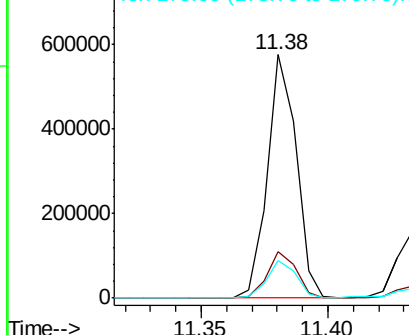


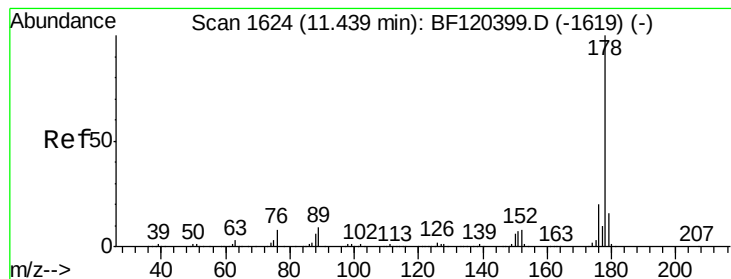
#71
 Phenanthrene
 Concen: 18.922 ng
 RT: 11.38 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF120468.D
 Acq: 1 Jun 2020 13:58

Tgt Ion:178 Resp: 457689
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.4 24.6
 179 15.4 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
 800000 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.018 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120468.D

Acq: 1 Jun 2020 13:58

Instrument :

BNA_F

ClientSampleId :

NM28-COMP-2020-0-6

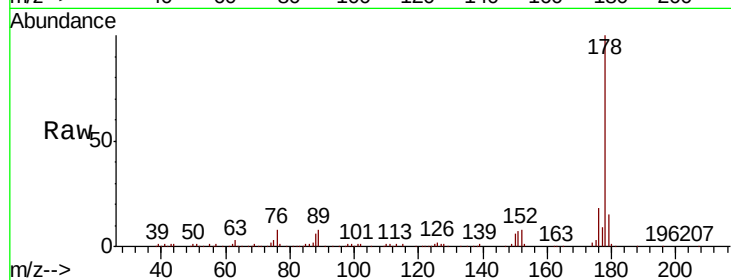
Tot Ion:178 Resp: 121776

Ion Ratio Lower Upper

178 100

176 17.6 15.8 23.6

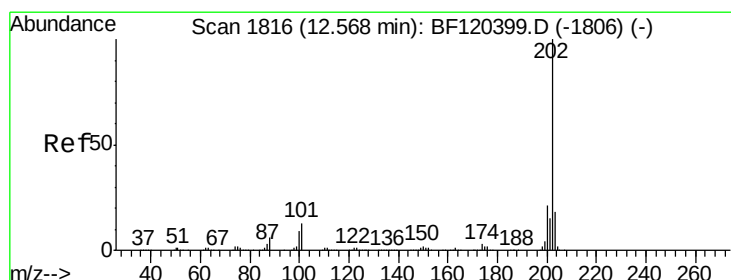
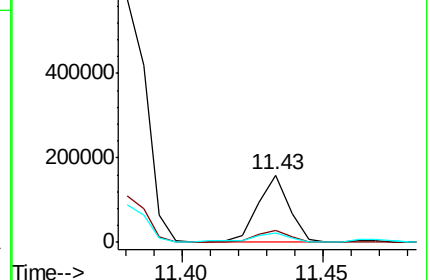
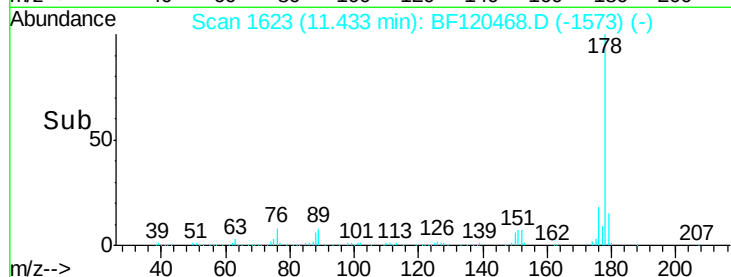
179 14.8 12.8 19.2



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



#75

Fluoranthene

Concen: 35.516 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120468.D

Acq: 1 Jun 2020 13:58

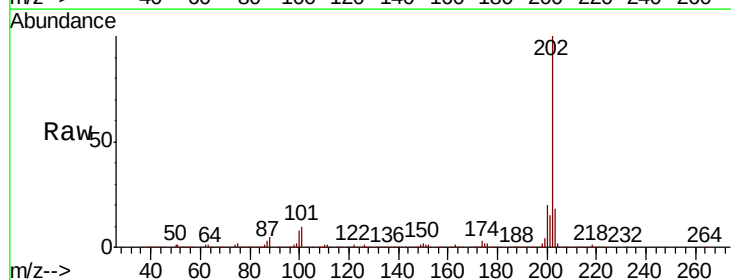
Tgt Ion:202 Resp: 924373

Ion Ratio Lower Upper

202 100

101 10.3 0.0 32.6

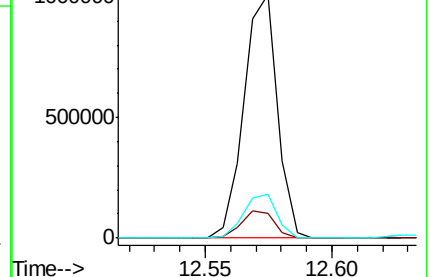
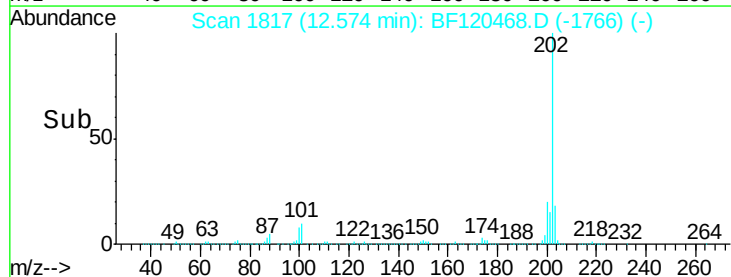
203 18.1 0.0 38.4

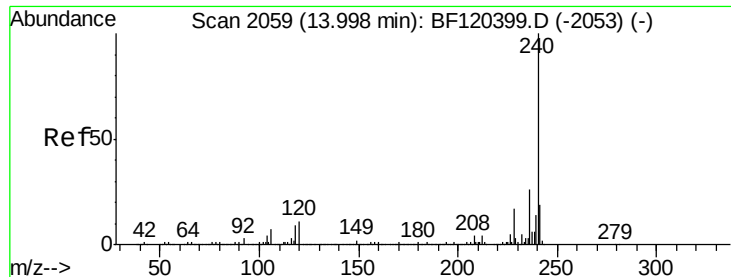


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

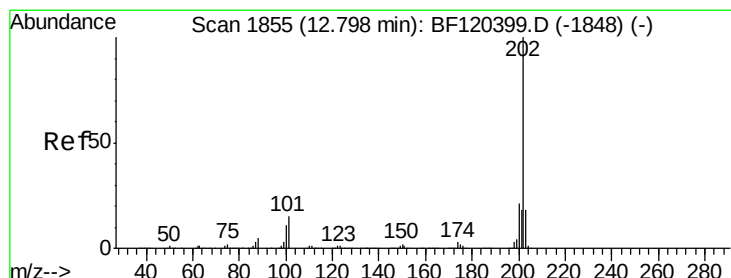
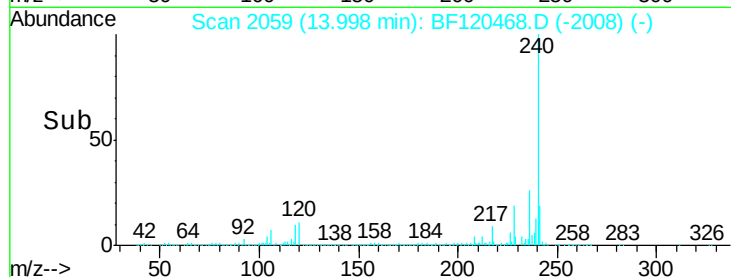
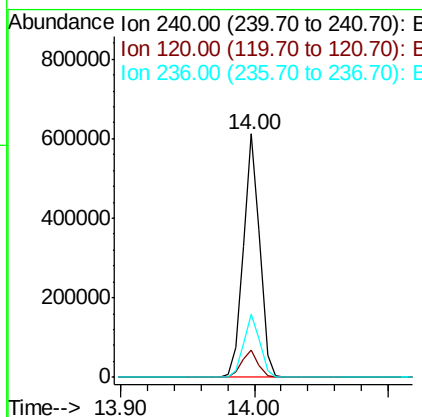
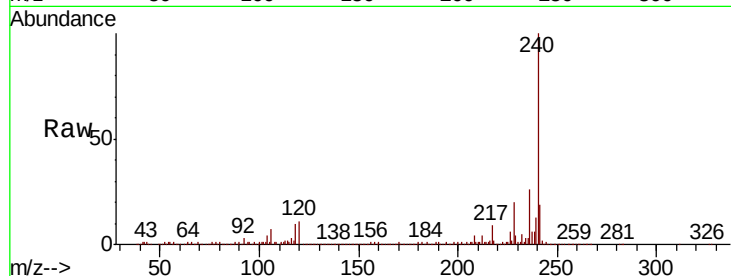




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. 0.00 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

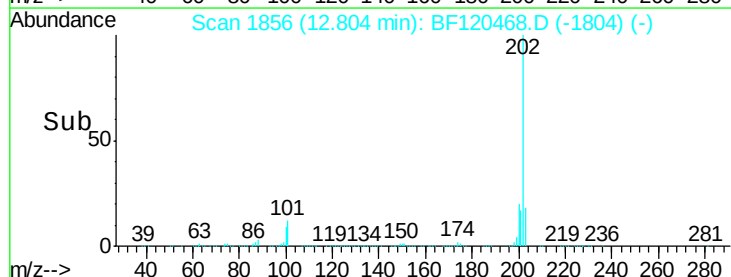
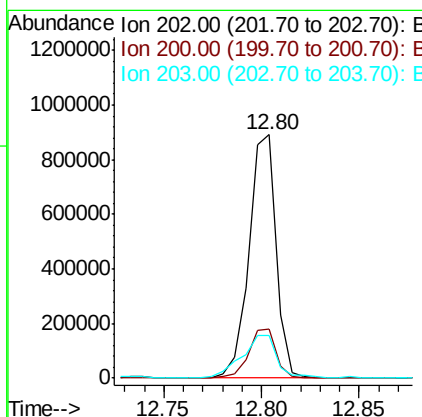
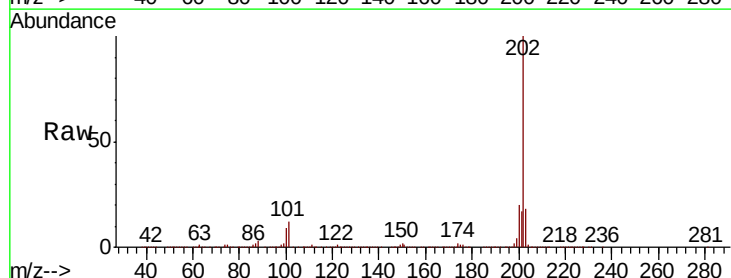
Instrument :
BNA_F
ClientSampleId :
NM28-COMP-2020-0-6

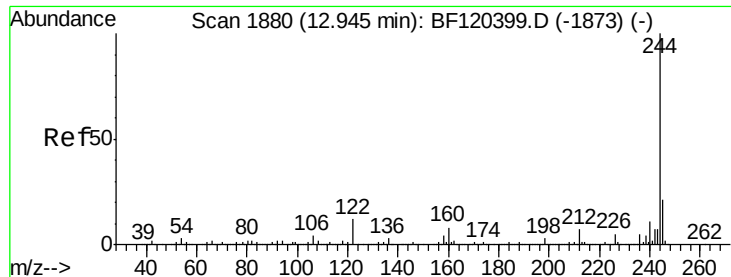
Tot Ion:240 Resp: 515106
Ion Ratio Lower Upper
240 100
120 11.2 8.8 13.2
236 25.9 21.0 31.4



#78
Pyrene
Concen: 23.957 ng
RT: 12.80 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

Tgt Ion:202 Resp: 858213
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 17.7 14.7 22.1





#79

Terphenyl-d14

Concen: 73.810 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120468.D

Acq: 1 Jun 2020 13:58

Instrument :

BNA_F

ClientSampleId :

NM28-COMP-2020-0-6

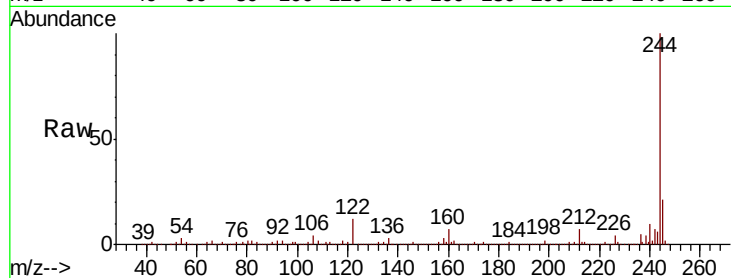
Tot Ion:244 Resp: 1708573

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

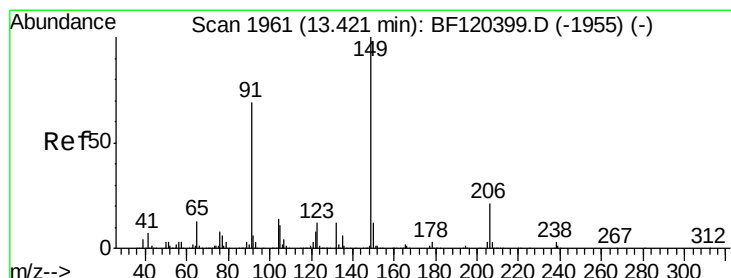
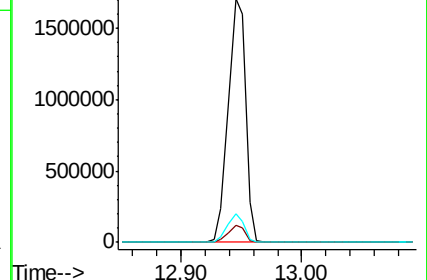
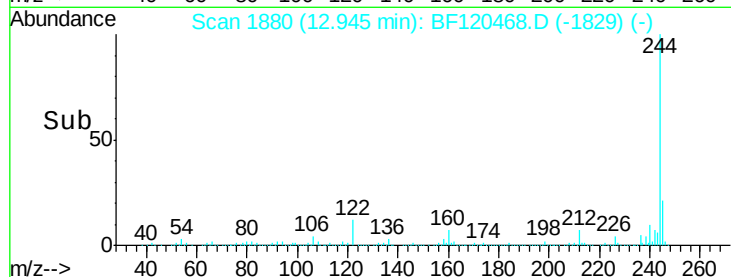
122 11.8 9.2 13.8



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



#80

Butylbenzylphthalate

Concen: 6.867 ng

RT: 13.42 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BF120468.D

Acq: 1 Jun 2020 13:58

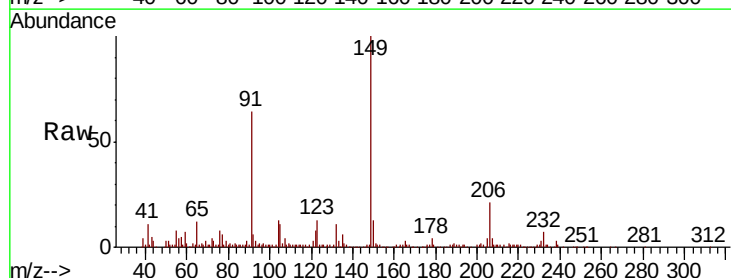
Tgt Ion:149 Resp: 102691

Ion Ratio Lower Upper

149 100

91 64.1 55.0 82.4

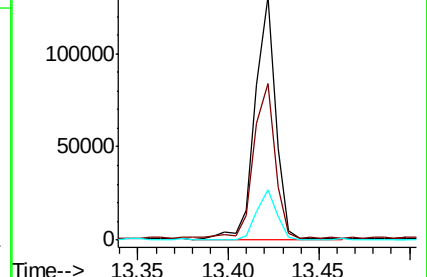
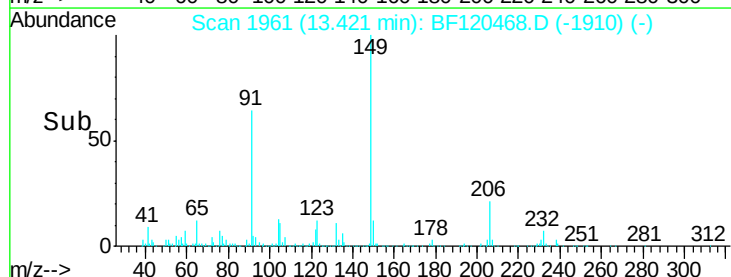
206 20.8 17.0 25.4

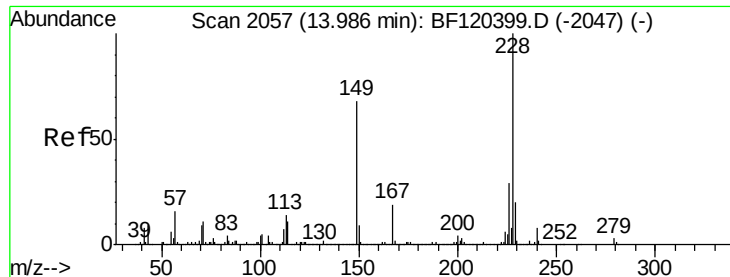


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

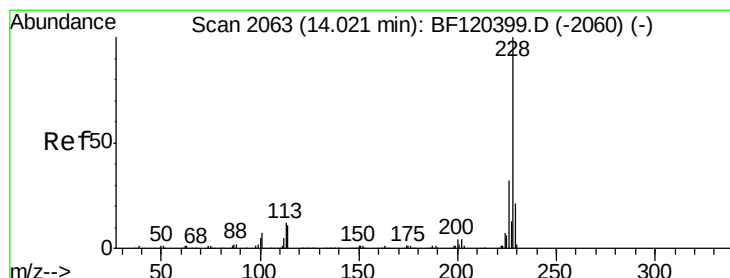
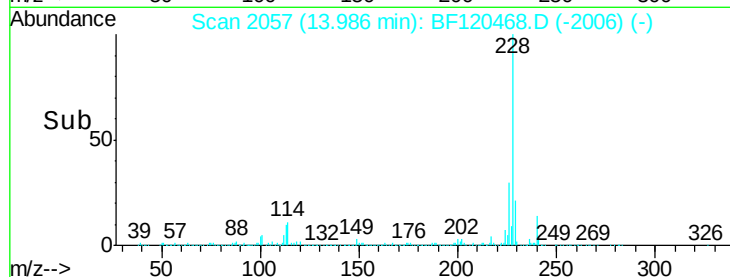
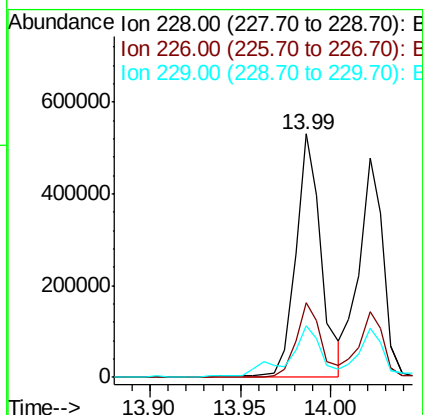
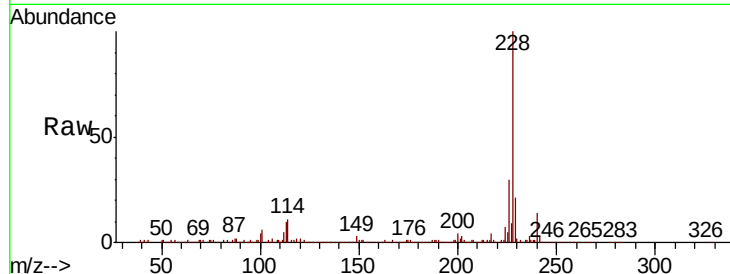




#81
Benzo(a)anthracene
Concen: 18.849 ng
RT: 13.99 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

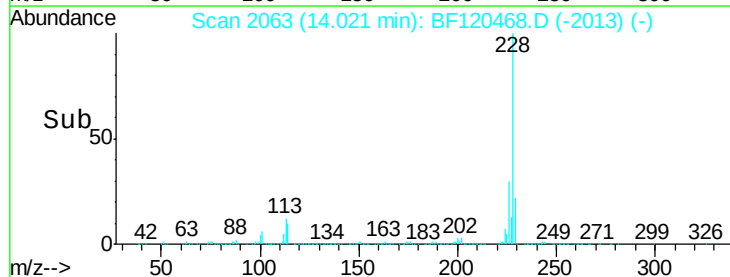
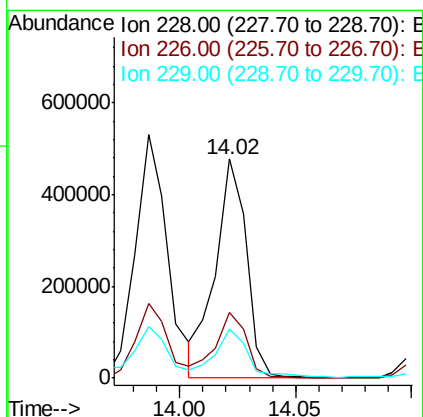
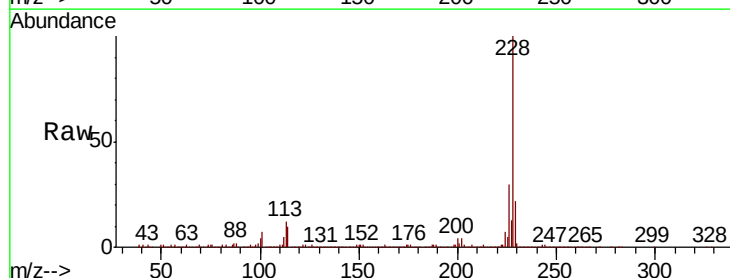
Instrument :
BNA_F
ClientSampleId :
NM28-COMP-2020-0-6

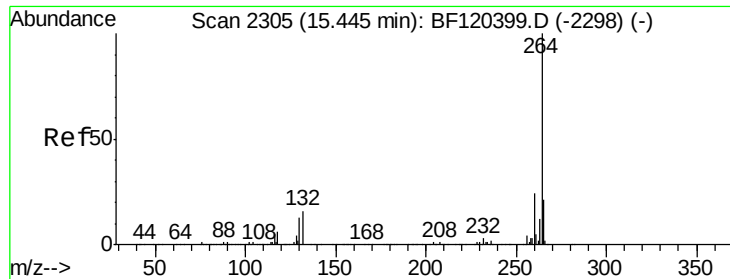
Tot Ion:228 Resp: 520375
Ion Ratio Lower Upper
228 100
226 30.4 23.0 34.4
229 21.0 16.2 24.4



#83
Chrysene
Concen: 15.374 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

Tgt Ion:228 Resp: 444952
Ion Ratio Lower Upper
228 100
226 30.1 25.6 38.4
229 22.4 16.6 25.0

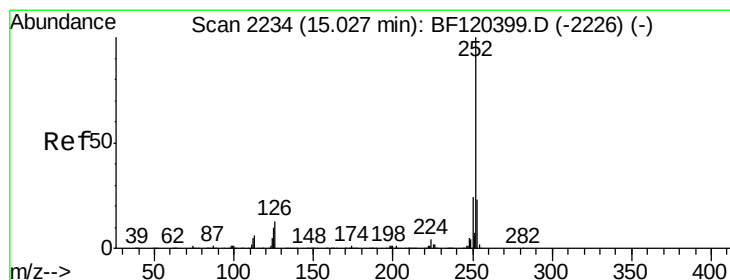
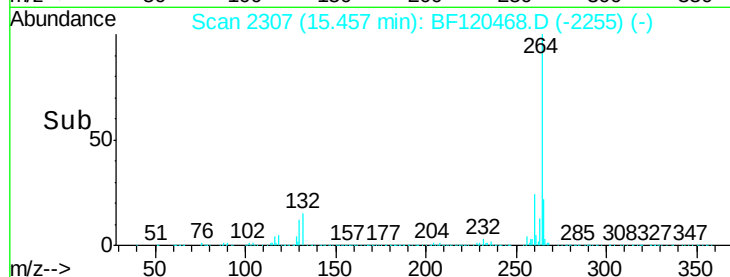
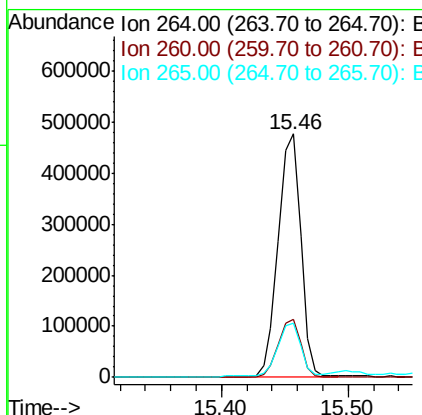
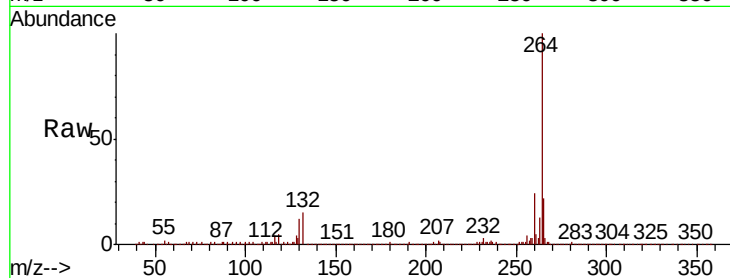




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

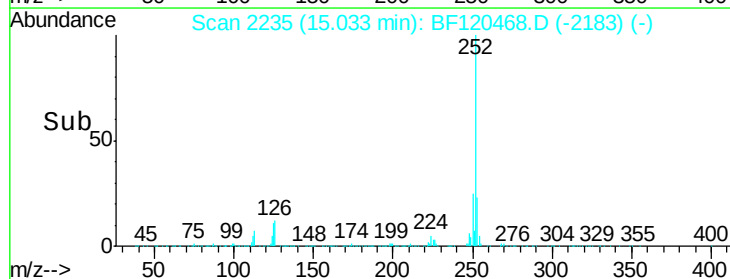
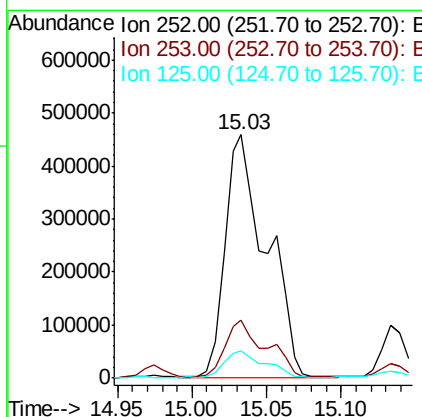
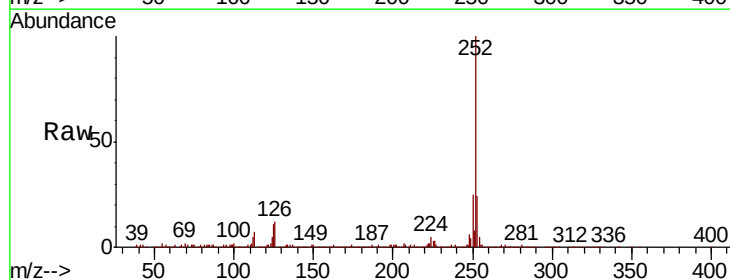
Instrument :
BNA_F
ClientSampleId :
NM28-COMP-2020-0-6

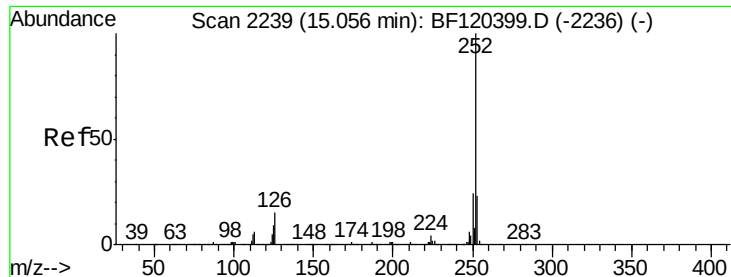
Tot Ion:264 Resp: 594861
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.0 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 26.636 ng
RT: 15.03 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

Tgt Ion:252 Resp: 880077
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 11.0 7.8 11.8

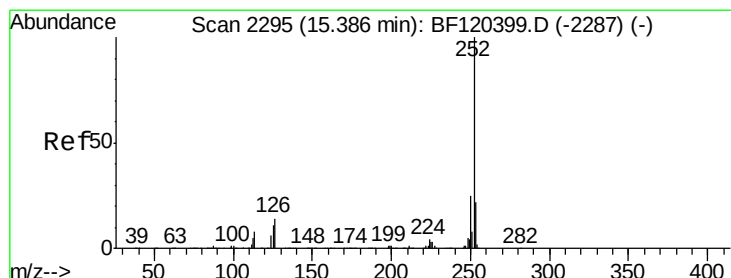
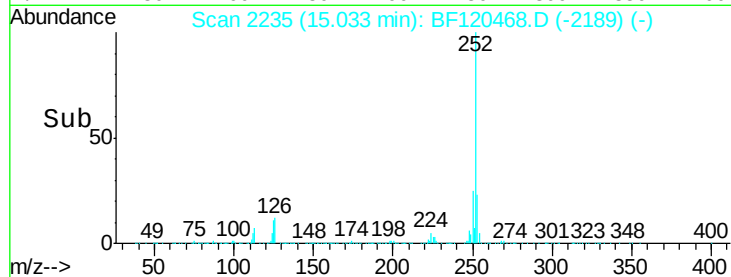
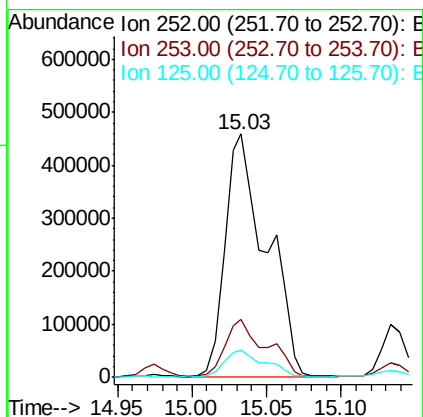
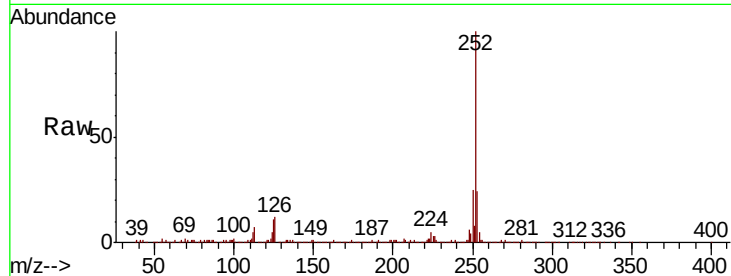




#89
Benzo(k)fluoranthene
Concen: 28.532 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

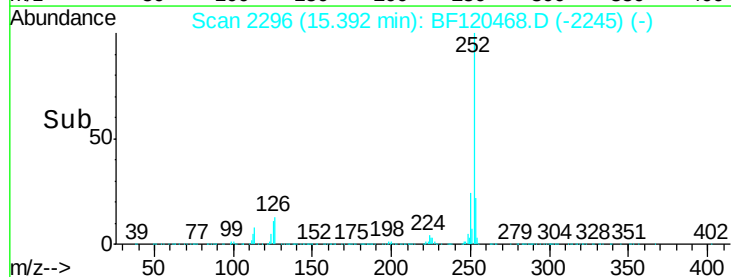
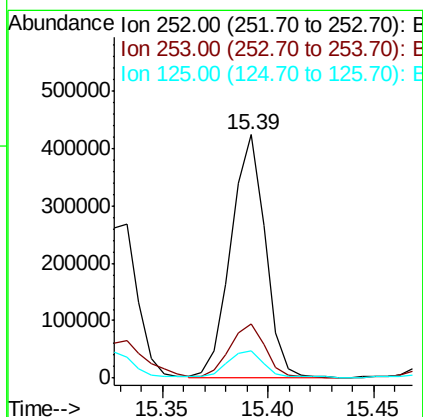
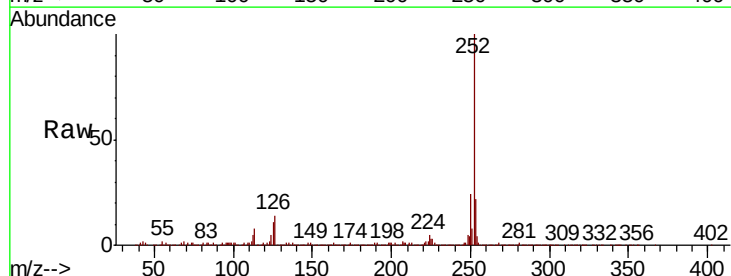
Instrument :
BNA_F
ClientSampleId :
NM28-COMP-2020-0-6

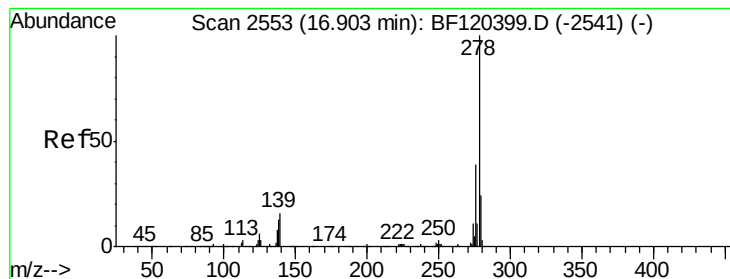
Tot Ion:252 Resp: 880077
Ion Ratio Lower Upper
252 100
253 23.7 18.5 27.7
125 11.0 8.0 12.0



#90
Benzo(a)pyrene
Concen: 16.302 ng
RT: 15.39 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF120468.D
Acq: 1 Jun 2020 13:58

Tgt Ion:252 Resp: 471144
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 11.0 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 2.193 ng

RT: 17.07 min Scan# 2581

Delta R.T. 0.16 min

Lab File: BF120468.D

Acq: 1 Jun 2020 13:58

Instrument :

BNA_F

ClientSampleId :

NM28-COMP-2020-0-6

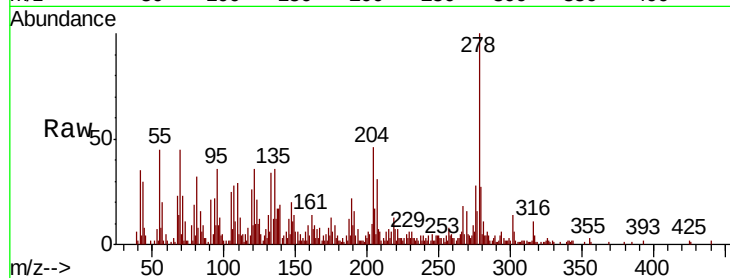
Tot Ion:278 Resp: 58174

Ion Ratio Lower Upper

278 100

139 18.7 12.8 19.2

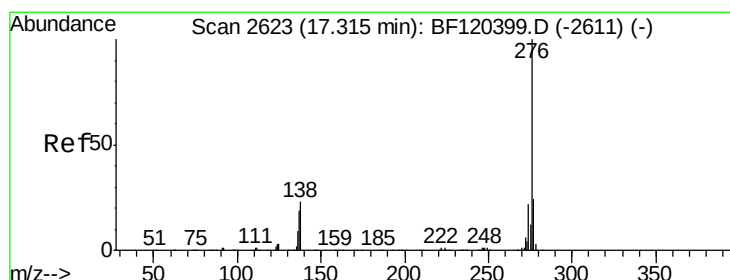
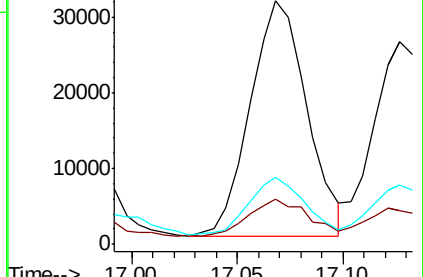
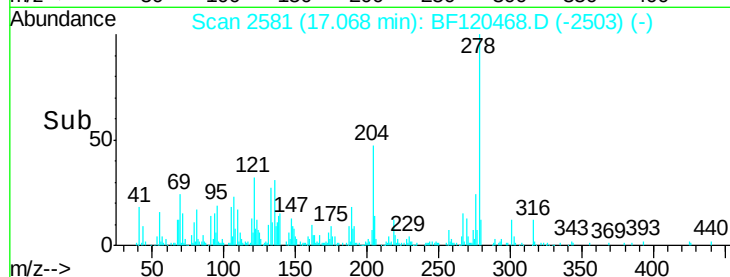
279 27.5 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 10.413 ng

RT: 17.33 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BF120468.D

Acq: 1 Jun 2020 13:58

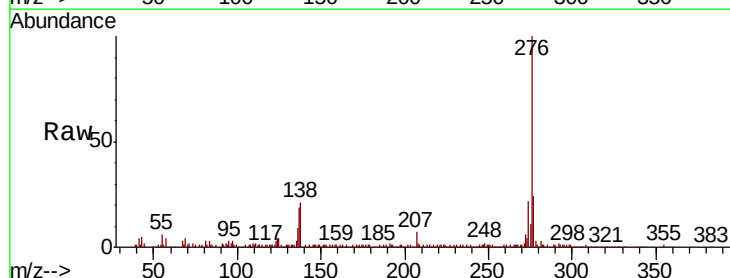
Tgt Ion:276 Resp: 272423

Ion Ratio Lower Upper

276 100

277 23.9 19.5 29.3

138 20.7 18.1 27.1



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

