

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120538.D
 Acq On : 4 Jun 2020 17:24
 Operator : JU/CG
 Sample : L2839-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM20-COMP-2020-0-6

Quant Time: Jun 04 18:52:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	163869	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	547159	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	370562	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	608391	20.00	ng	0.00
76) Chrysene-d12	13.99	240	469045	20.00	ng	-0.01
86) Perylene-d12	15.45	264	442411	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	857780	99.76	ng	0.00
7) Phenol-d6	6.46	99	1015863	95.85	ng	0.00
23) Nitrobenzene-d5	7.39	82	712347	85.16	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	330817	96.35	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1429603	65.46	ng	0.00
79) Terphenyl-d14	12.95	244	1462987	69.41	ng	0.00

Target Compounds

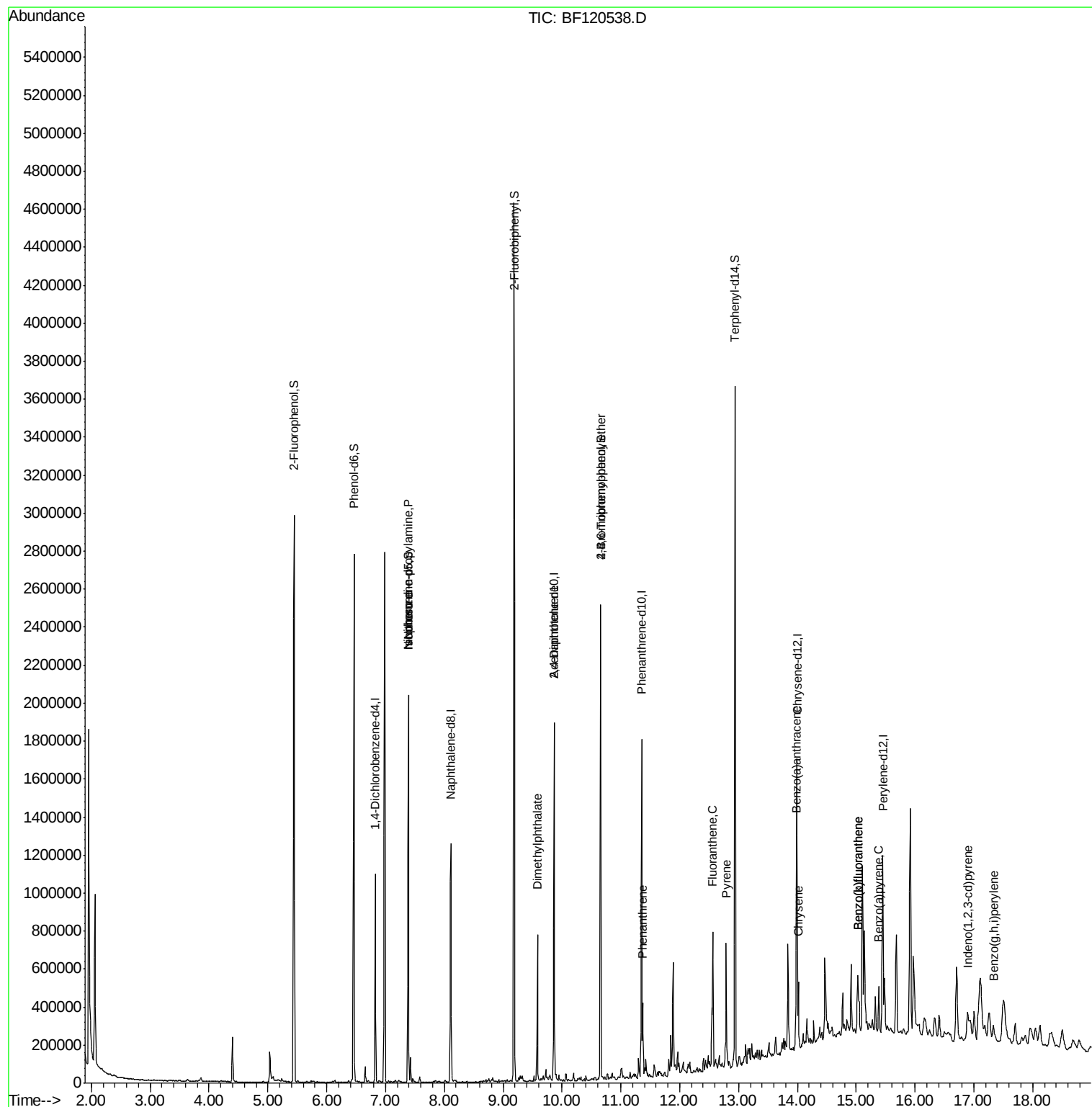
						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	95619	14.193	ng	# 78
25) Isophorone	7.39	82	708454	42.140	ng	# 63
50) Dimethylphthalate	9.58	163	291063	12.564	ng	100
57) 2,4-Dinitrotoluene	9.86	165	47822	7.258	ng	# 24
67) 4-Bromophenyl-phenylether	10.66	248	19589	3.190	ng	# 1
71) Phenanthrene	11.37	178	114331	4.265	ng	98
75) Fluoranthene	12.56	202	277938	9.635	ng	99
78) Pyrene	12.79	202	263907	8.090	ng	98
81) Benzo(a)anthracene	13.98	228	143084	5.692	ng	97
83) Chrysene	14.02	228	137687	5.224	ng	97
87) Indeno(1,2,3-cd)pyrene	16.89	276	72282	2.987	ng	97
88) Benzo(b)fluoranthene	15.03	252	236465	9.623	ng	98
89) Benzo(k)fluoranthene	15.03	252	236465	10.308	ng	99
90) Benzo(a)pyrene	15.39	252	118303	5.504	ng	99
92) Benzo(a,h,i)perylene	17.33	276	67127	3.450	ng	98

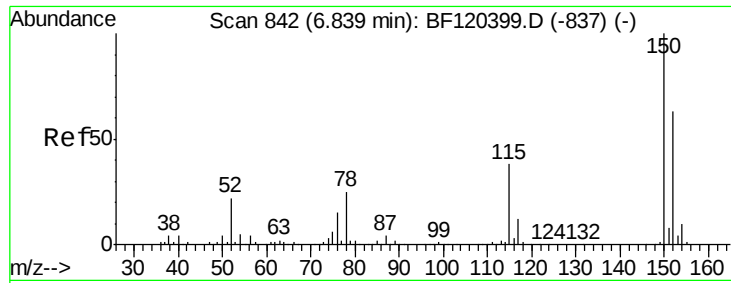
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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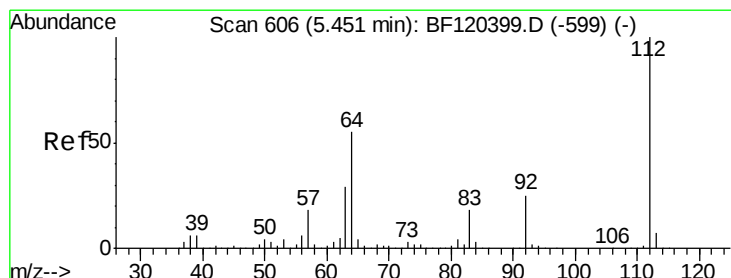
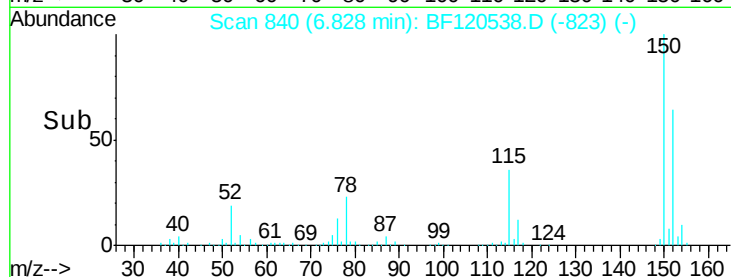
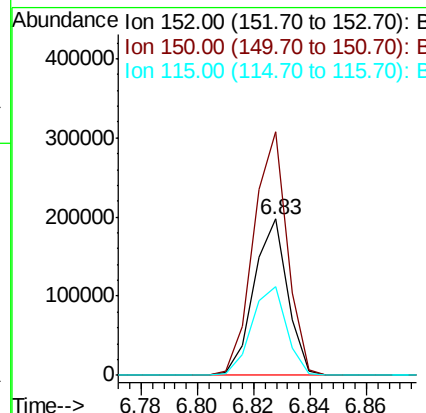
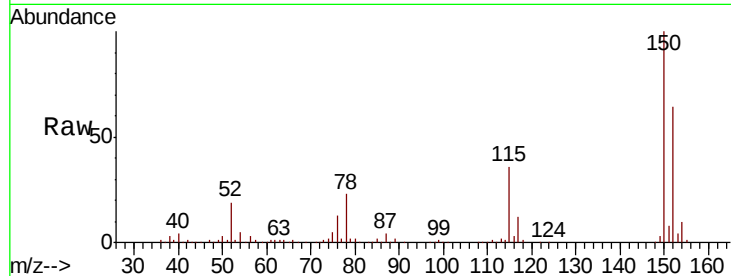


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF120538.D
Acq: 4 Jun 2020 17:24

Instrument :
BNA_F
ClientSampleId :
NM20-COMP-2020-0-6

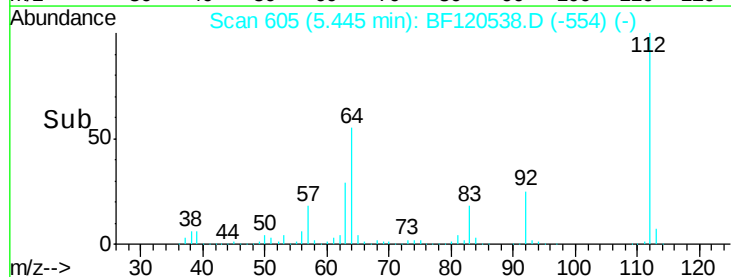
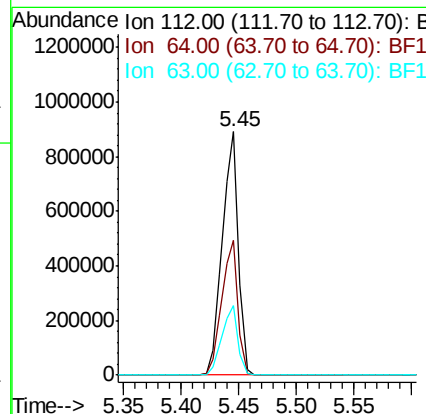
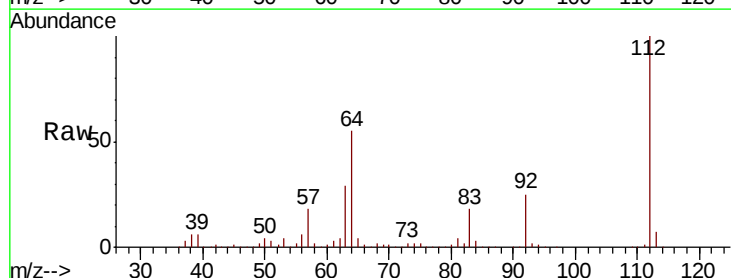
Tot Ion:152 Resp: 163869
Ion Ratio Lower Upper
152 100
150 155.6 126.3 189.5
115 56.8 48.1 72.1

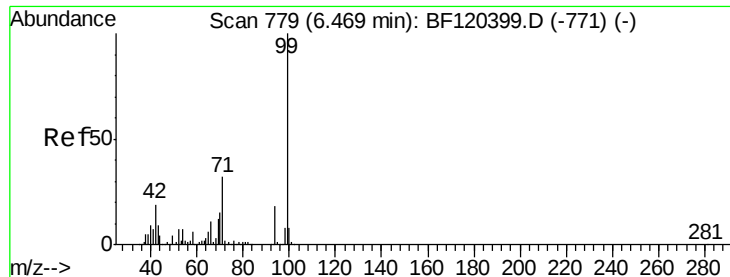


#5

2-Fluorophenol
Concen: 99.757 ng
RT: 5.45 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF120538.D
Acq: 4 Jun 2020 17:24

Tgt Ion:112 Resp: 857780
Ion Ratio Lower Upper
112 100
64 55.3 47.2 70.8
63 28.8 24.7 37.1





#7

Phenol-d6

Concen: 95.850 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

Instrument :

BNA_F

ClientSampleId :

NM20-COMP-2020-0-6

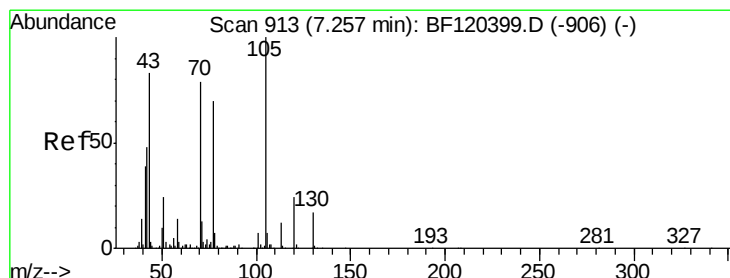
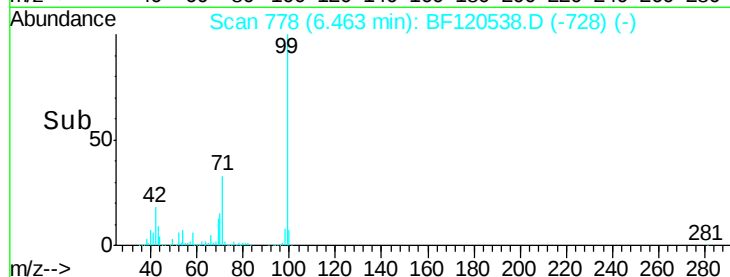
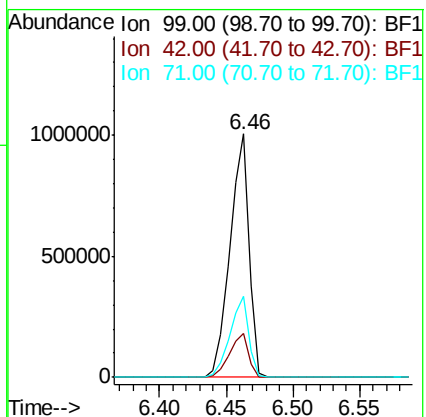
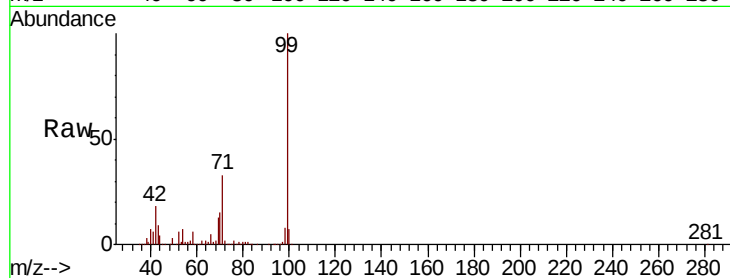
Tot Ion: 99 Resp: 1015863

Ion Ratio Lower Upper

99 100

42 18.2 15.0 22.6

71 33.2 27.0 40.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.193 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.14 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

Tgt Ion: 70 Resp: 95619

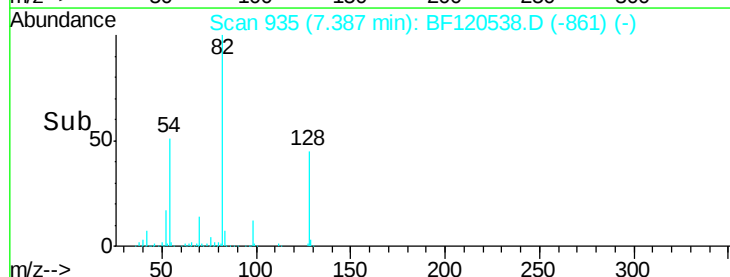
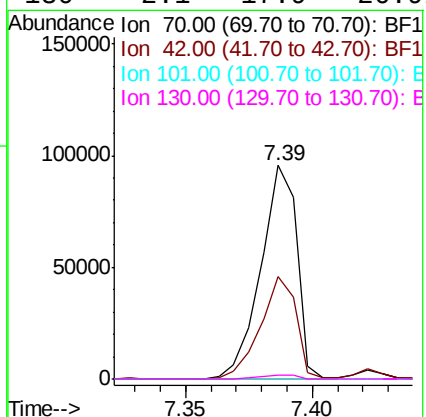
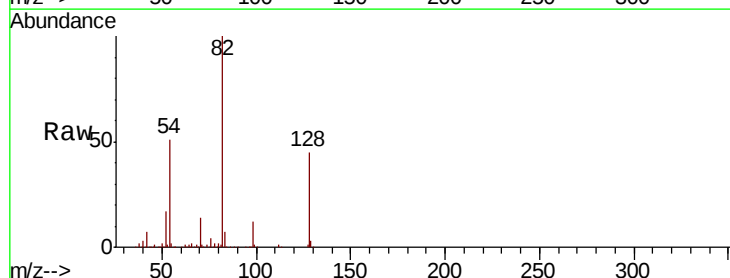
Ion Ratio Lower Upper

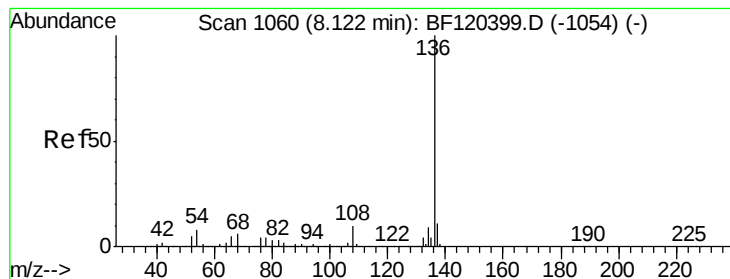
70 100

42 48.1 47.0 70.4

101 0.0 7.8 11.8#

130 2.1 17.9 26.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

Instrument :

BNA_F

ClientSampleId :

NM20-COMP-2020-0-6

Tot Ion:136 Resp: 547159

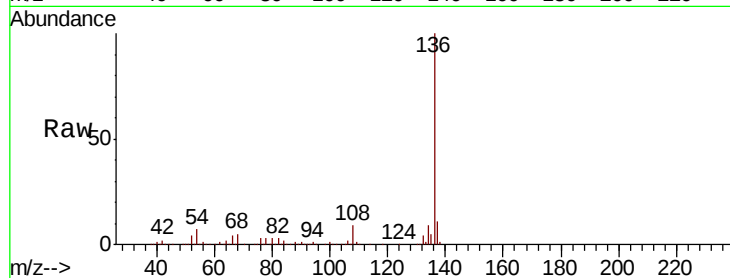
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.7 5.4 8.0

68 5.1 4.3 6.5

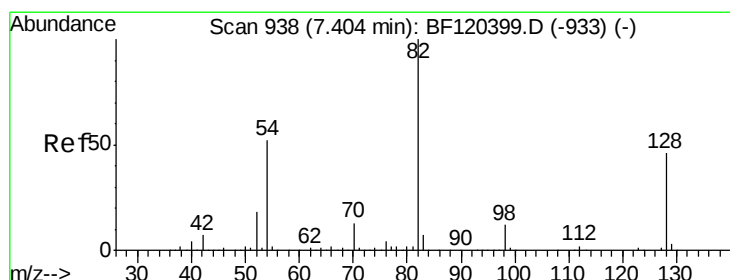
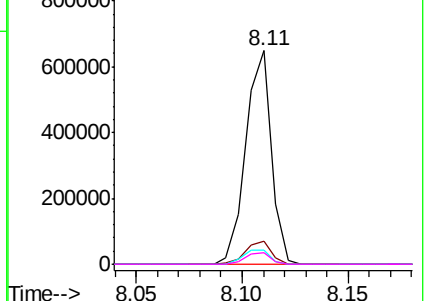
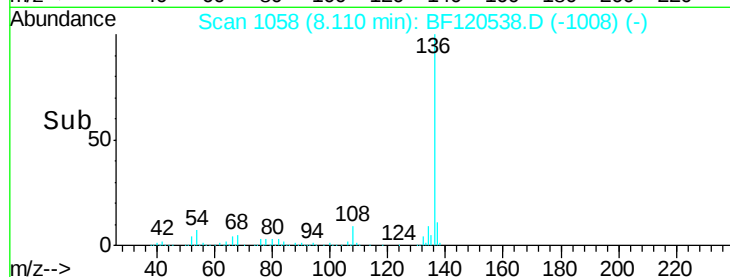


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.161 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

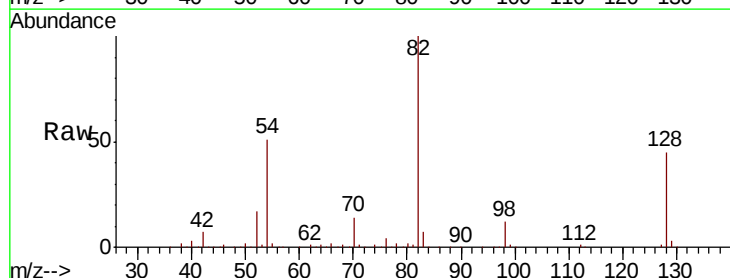
Tgt Ion: 82 Resp: 712347

Ion Ratio Lower Upper

82 100

128 45.2 36.7 55.1

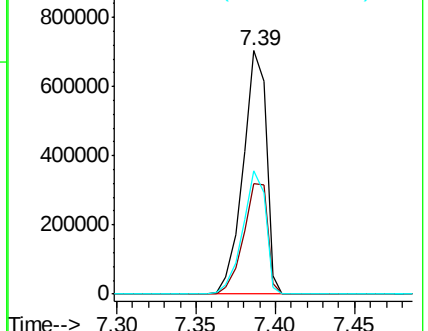
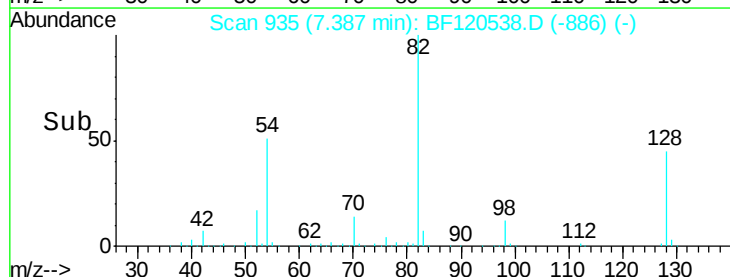
54 50.5 40.0 60.0

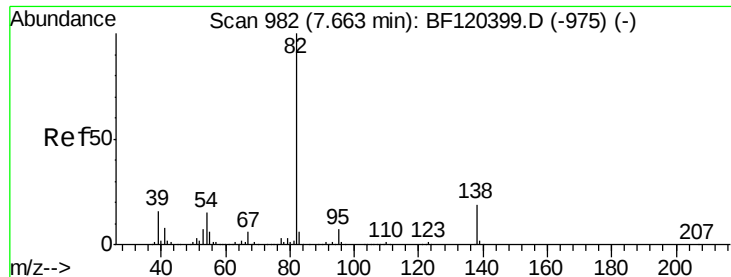


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.140 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.27 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

Instrument :

BNA_F

ClientSampleId :

NM20-COMP-2020-0-6

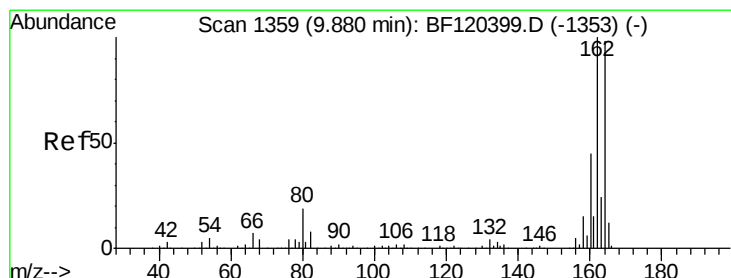
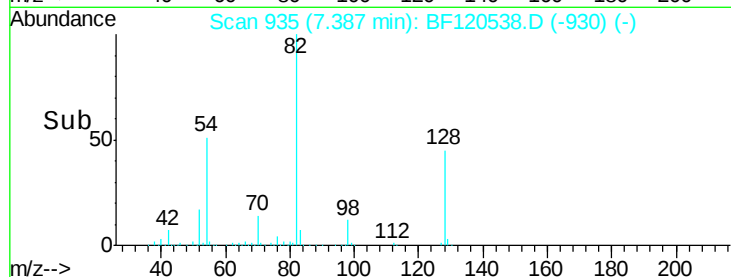
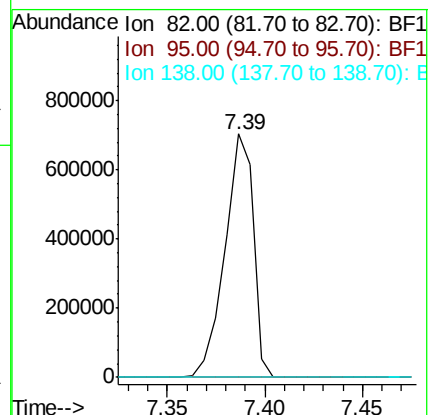
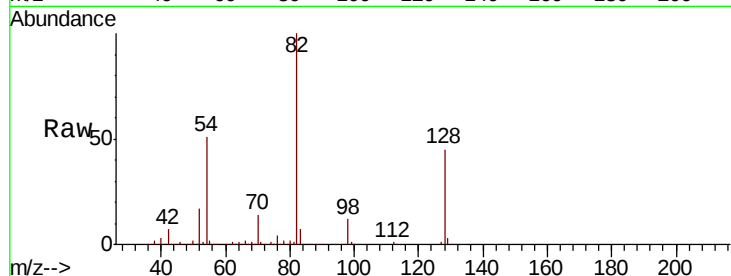
Tot Ion: 82 Resp: 708454

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 15.6 23.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

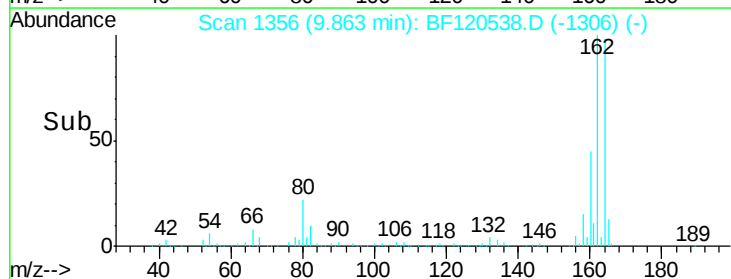
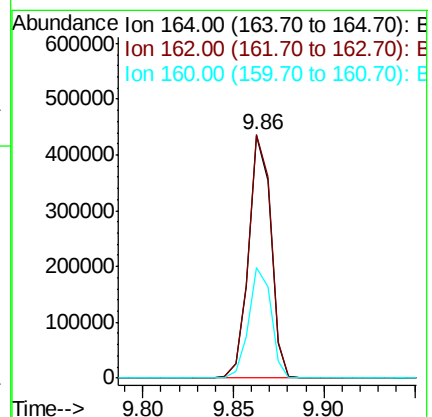
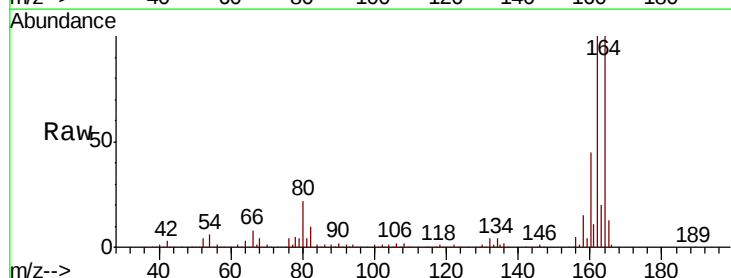
Tgt Ion: 164 Resp: 370562

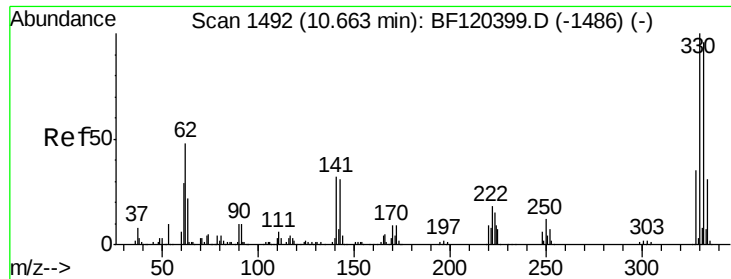
Ion Ratio Lower Upper

164 100

162 100.3 81.2 121.8

160 45.4 37.0 55.4

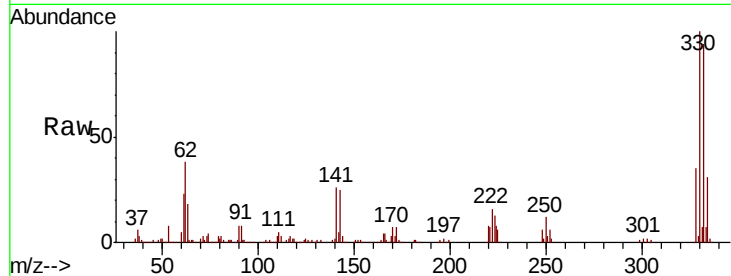




#42
 2,4,6-Tribromophenol
 Concen: 96.352 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120538.D
 Acq: 4 Jun 2020 17:24

Instrument :
 BNA_F
 ClientSampleId :
 NM20-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.4
141	29.3	23.8	35.8

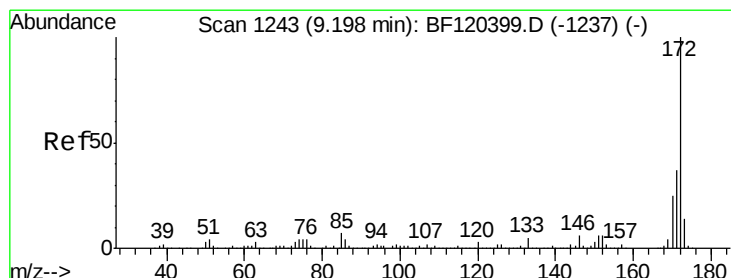
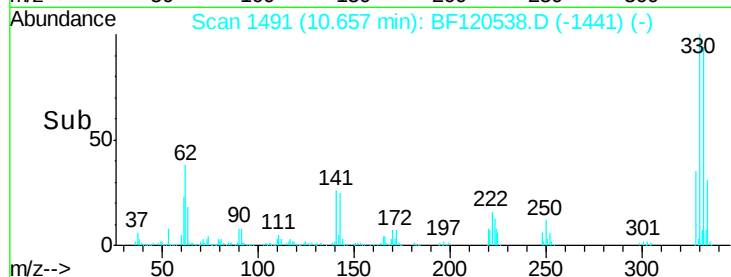
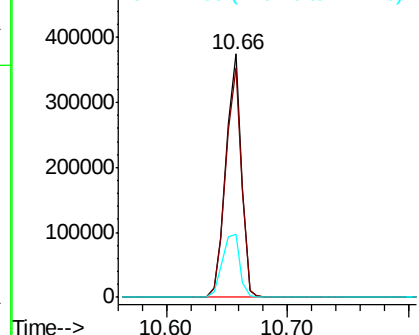


Abundance

Ion 329.80 (329.50 to 330.50): E

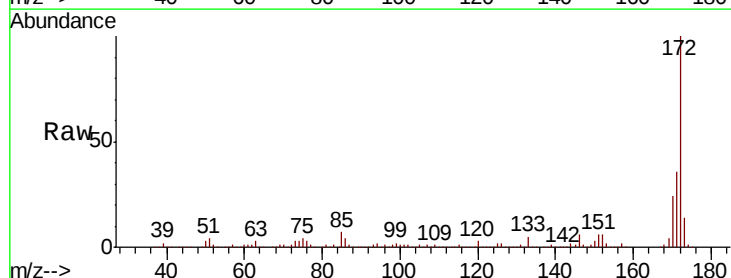
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 65.457 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120538.D
 Acq: 4 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.5	44.3
170	24.0	19.8	29.6

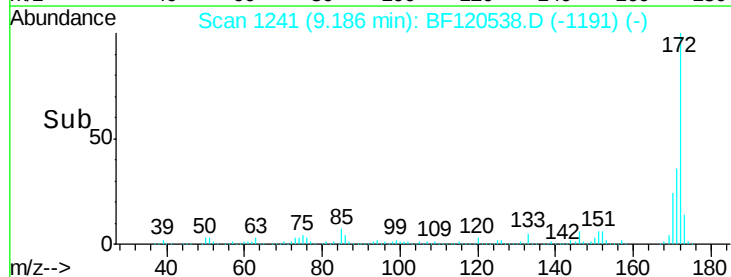
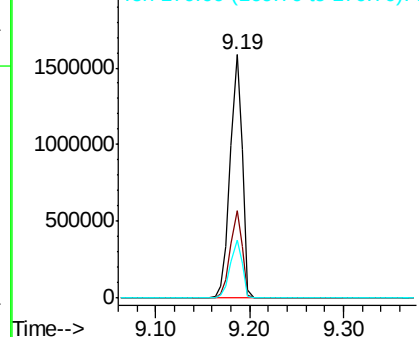


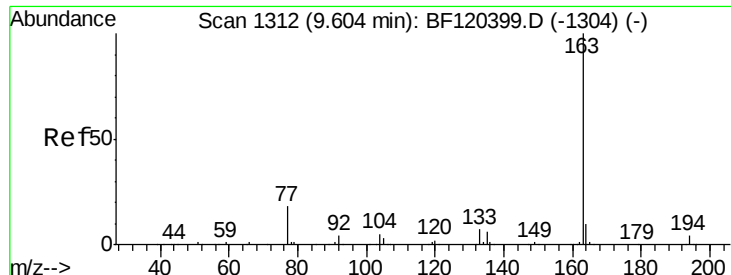
Abundance

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

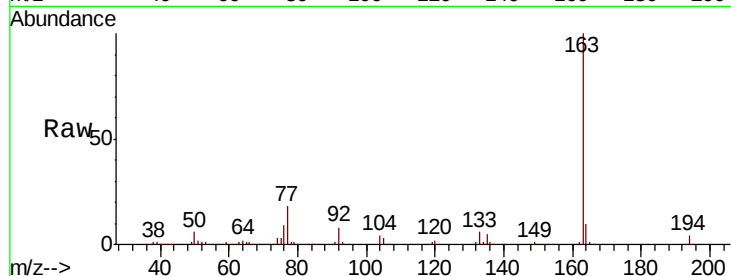




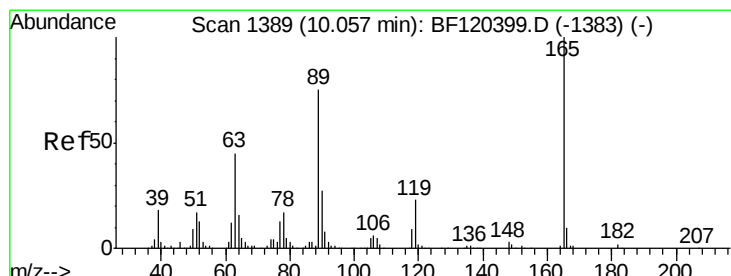
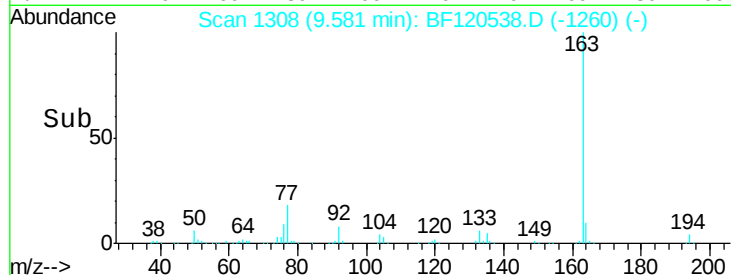
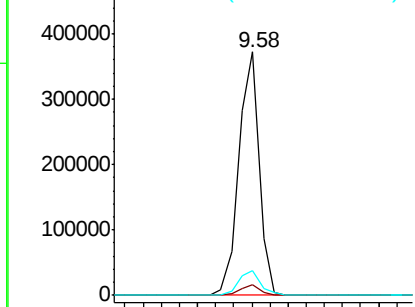
#50
Dimethylphthalate
Concen: 12.564 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120538.D
Acq: 4 Jun 2020 17:24

Instrument :
BNA_F
ClientSampleId :
NM20-COMP-2020-0-6

Tot Ion:163 Resp: 291063
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.0 8.0 12.0

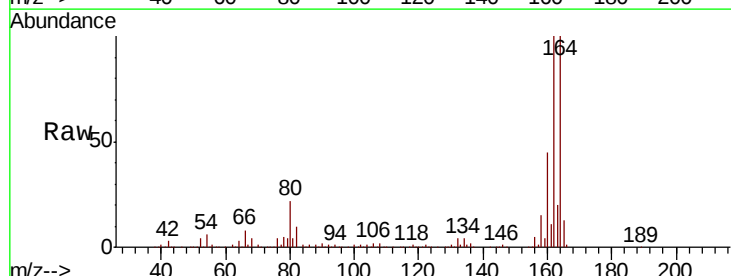


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

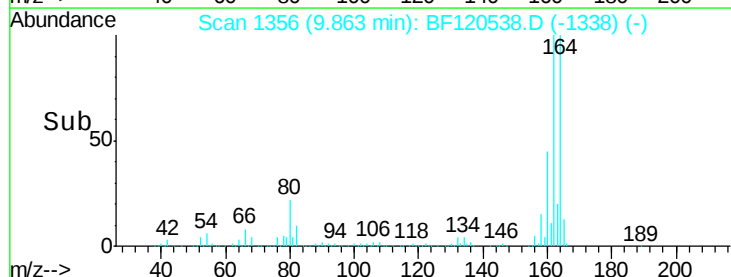
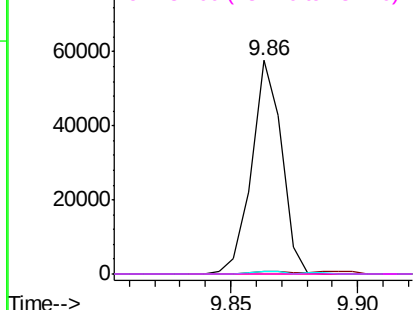


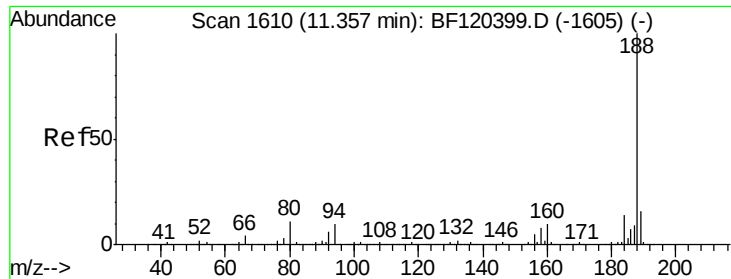
#57
2,4-Dinitrotoluene
Concen: 7.258 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.19 min
Lab File: BF120538.D
Acq: 4 Jun 2020 17:24

Tgt Ion:165 Resp: 47822
Ion Ratio Lower Upper
165 100
63 1.1 34.1 51.1#
89 1.0 56.2 84.4#
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: 11.35 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

Instrument :

BNA_F

ClientSampleId :

NM20-COMP-2020-0-6

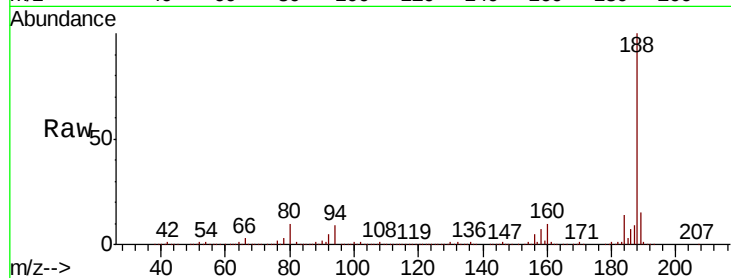
Tot Ion:188 Resp: 608391

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

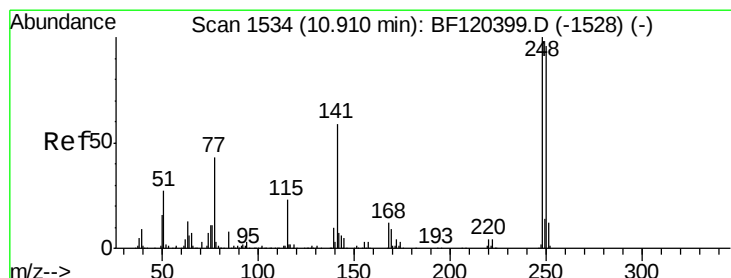
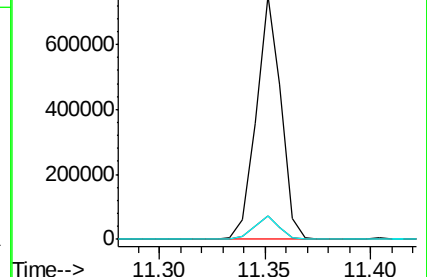
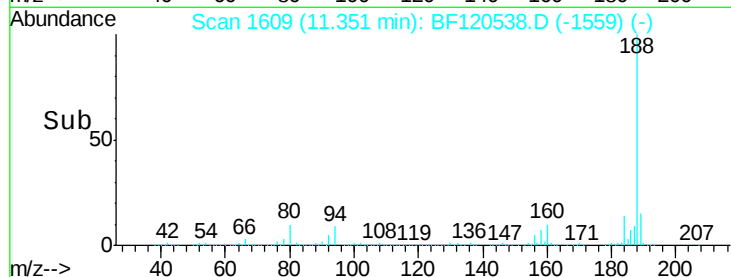
80 9.9 7.6 11.4



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: 3.190 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.25 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

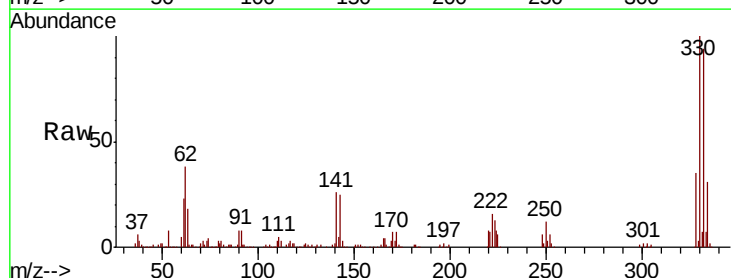
Tgt Ion:248 Resp: 19589

Ion Ratio Lower Upper

248 100

250 203.1 77.4 116.0#

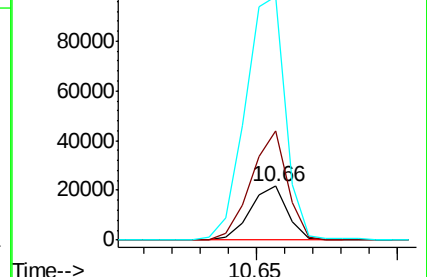
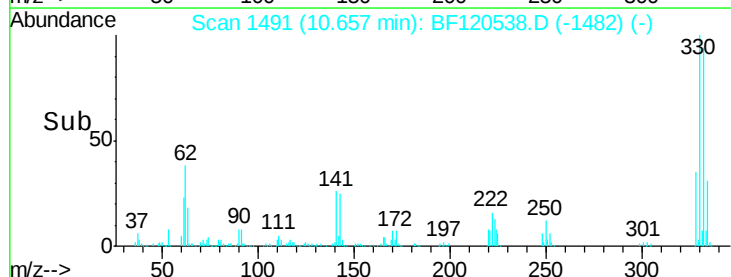
141 452.5 46.1 69.1#

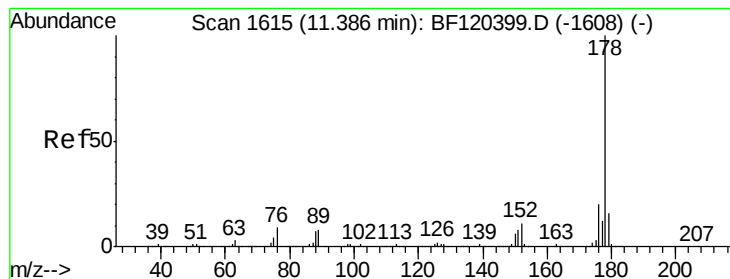


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.265 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

Instrument :

BNA_F

ClientSampleId :

NM20-COMP-2020-0-6

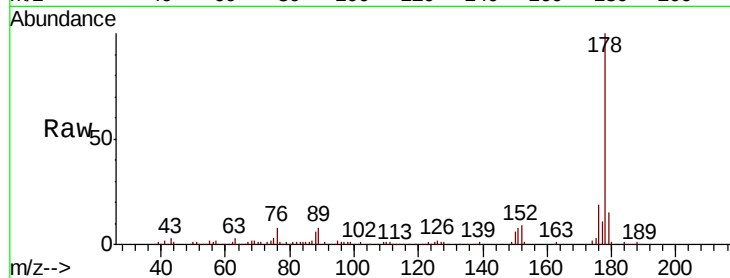
Tot Ion:178 Resp: 114331

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.2

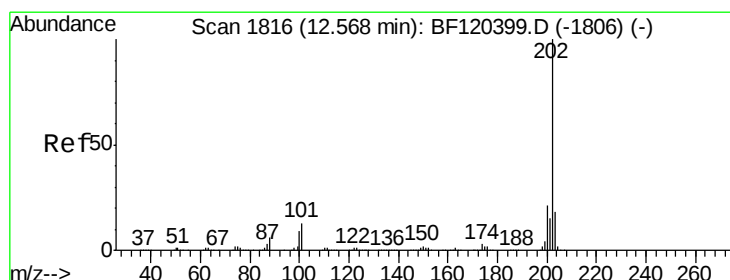
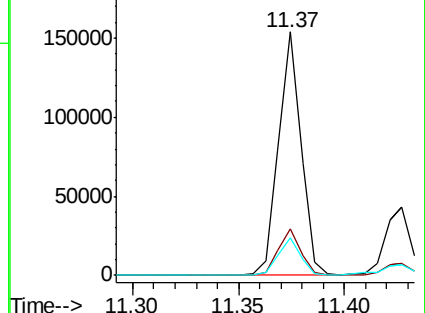
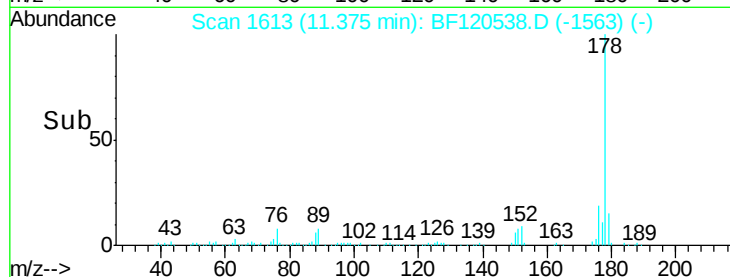
179 15.3 12.8 19.2



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: 9.635 ng

RT: 12.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

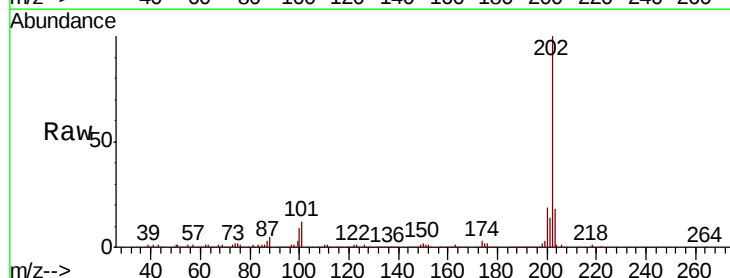
Tgt Ion:202 Resp: 277938

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.3

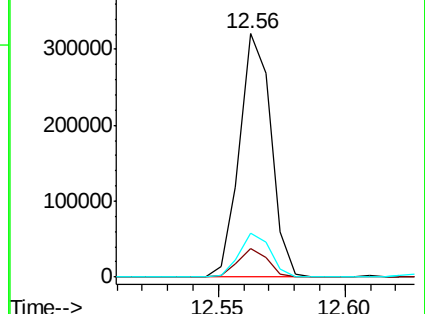
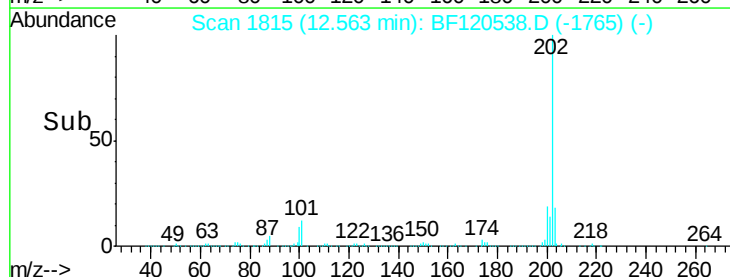
203 18.0 0.0 38.4

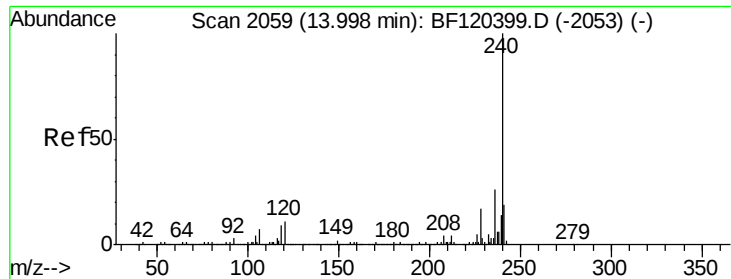


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

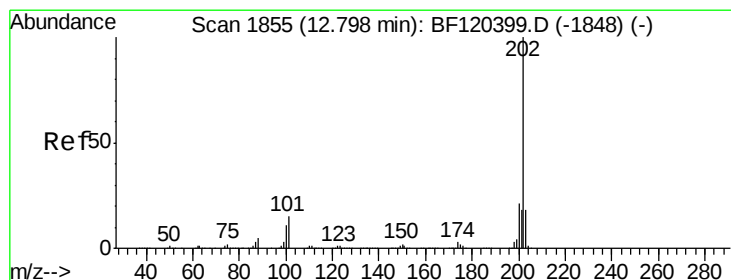
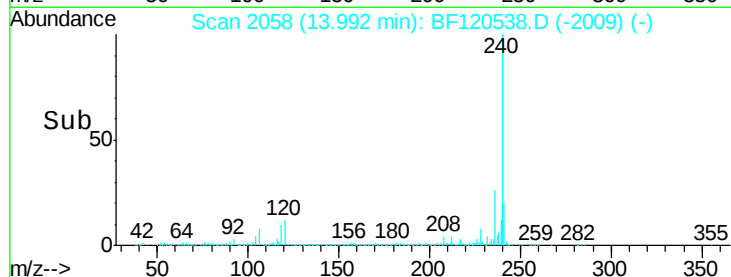
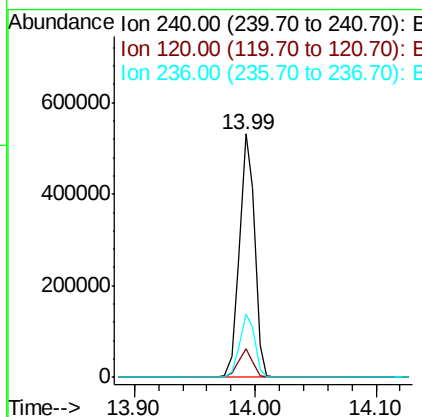
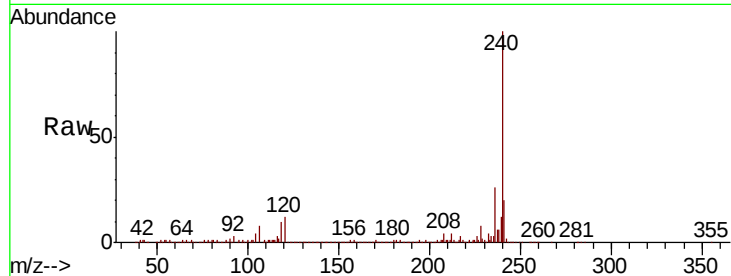




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120538.D
Acq: 4 Jun 2020 17:24

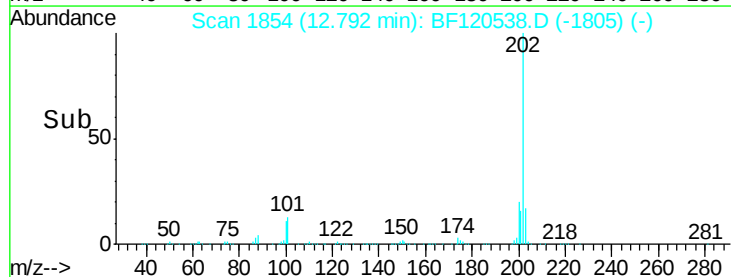
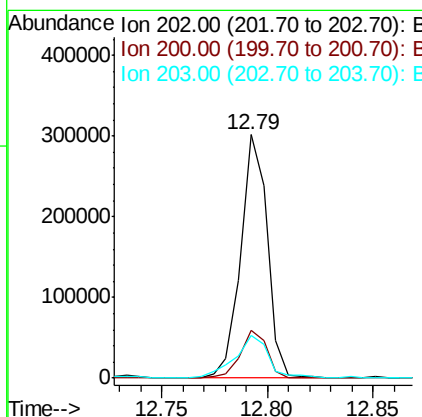
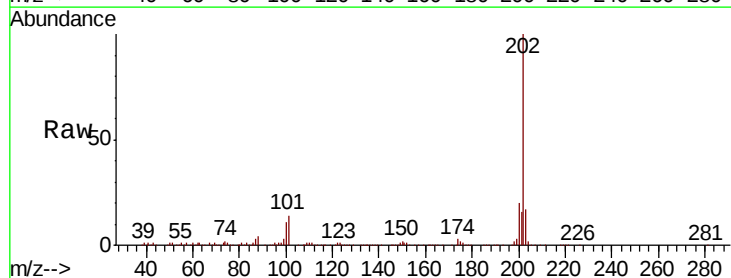
Instrument :
BNA_F
ClientSampleId :
NM20-COMP-2020-0-6

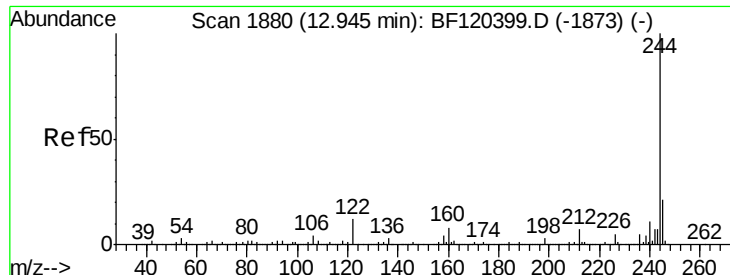
Tot Ion:240 Resp: 469045
Ion Ratio Lower Upper
240 100
120 11.8 7.7 11.5#
236 25.7 20.8 31.2



#78
Pyrene
Concen: 8.090 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF120538.D
Acq: 4 Jun 2020 17:24

Tgt Ion:202 Resp: 263907
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.6
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 69.407 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

Instrument :

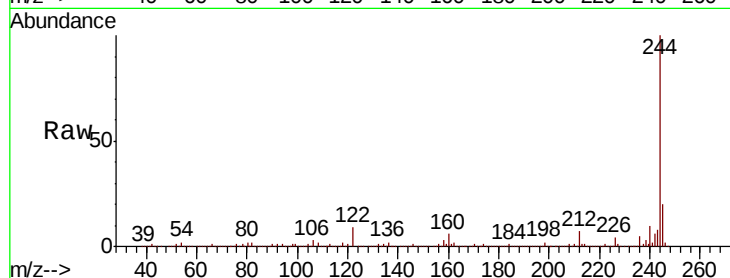
BNA_F

ClientSampleId :

NM20-COMP-2020-0-6

Tot Ion:244 Resp: 1462987

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	9.3	8.0	12.0

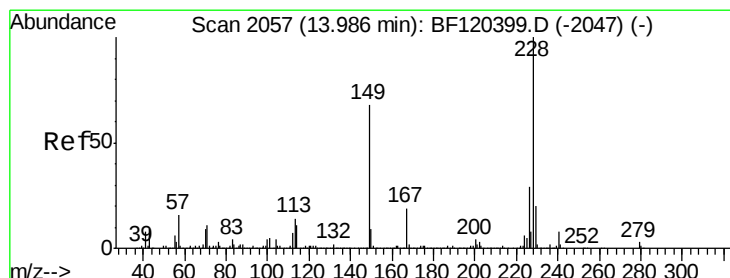
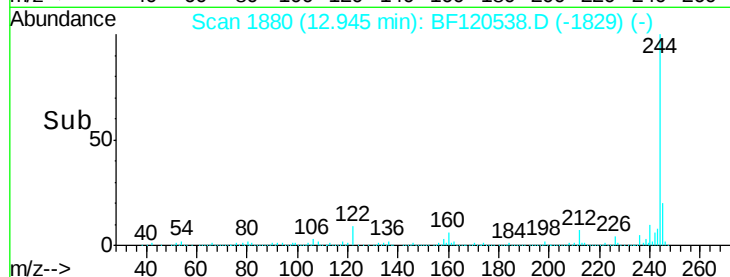
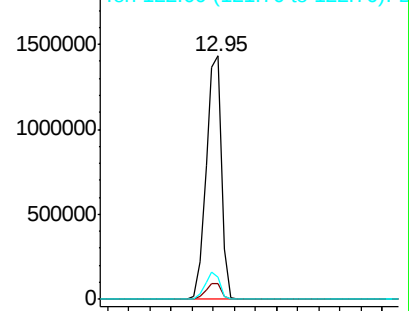


Abundance

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: 5.692 ng

RT: 13.98 min Scan# 2056

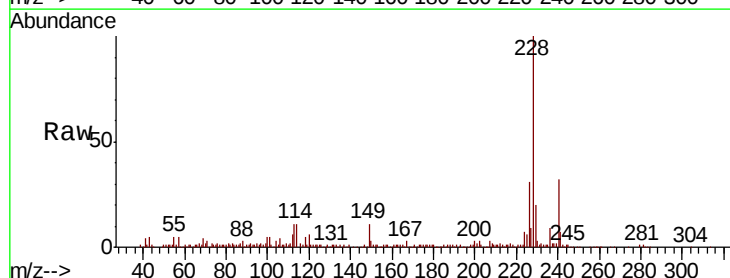
Delta R.T. -0.01 min

Lab File: BF120538.D

Acq: 4 Jun 2020 17:24

Tgt Ion:228 Resp: 143084

Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.4	33.6
229	20.4	16.2	24.2

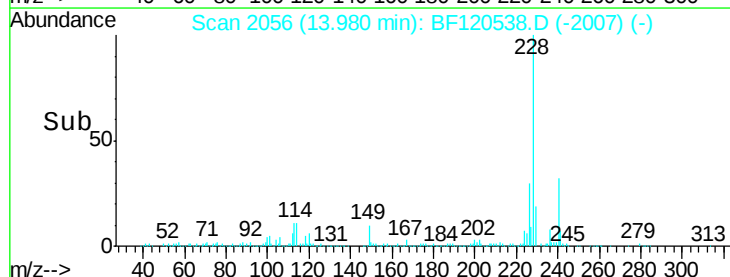
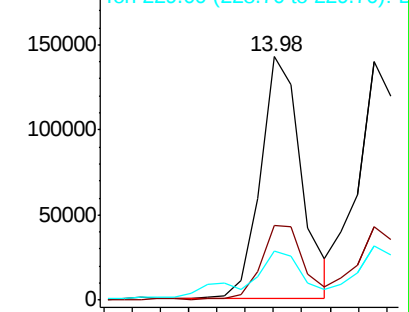


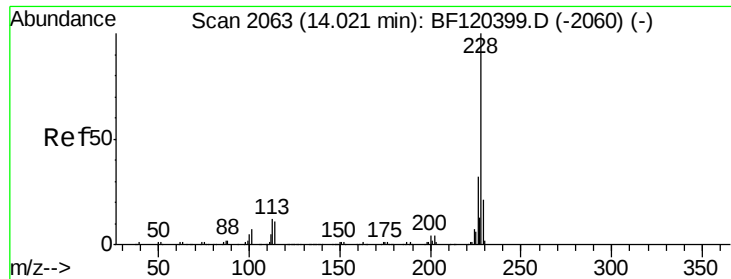
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

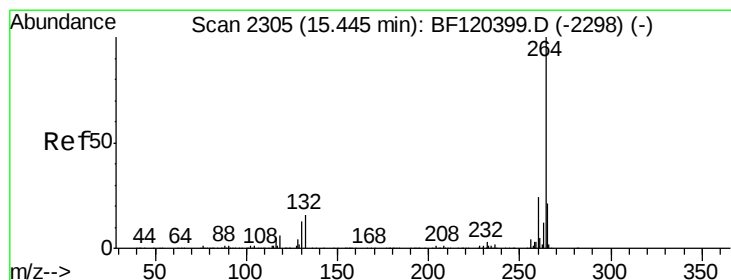
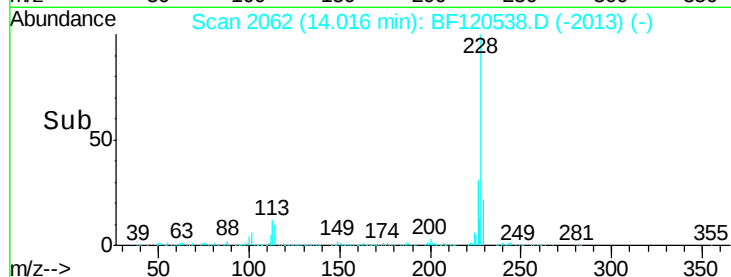
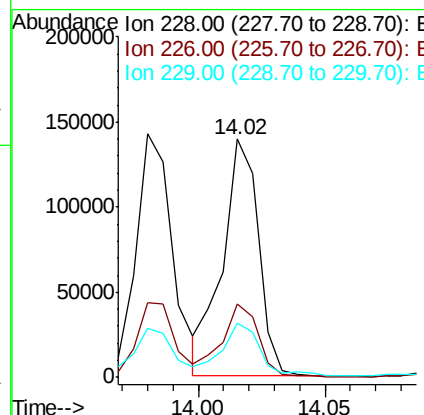
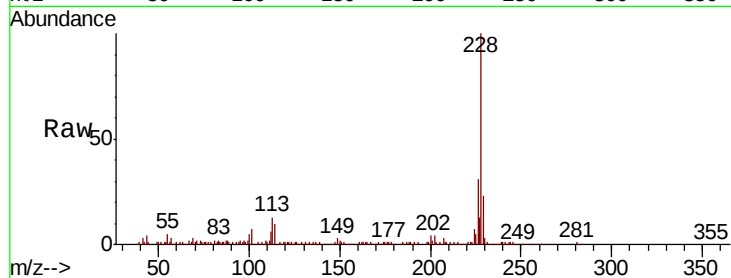




#83
Chrysene
Concen: 5.224 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120538.D
Acq: 4 Jun 2020 17:24

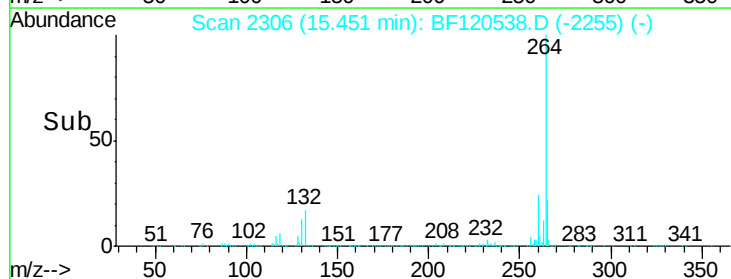
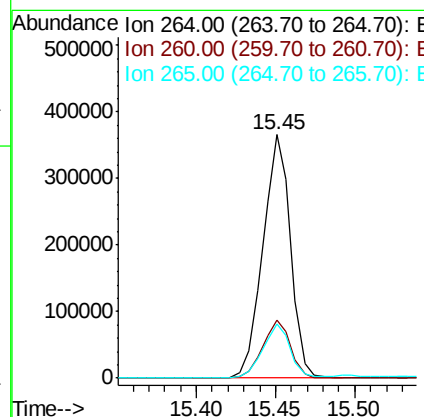
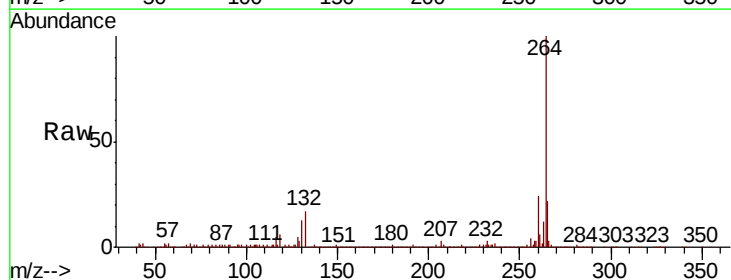
Instrument :
BNA_F
ClientSampleId :
NM20-COMP-2020-0-6

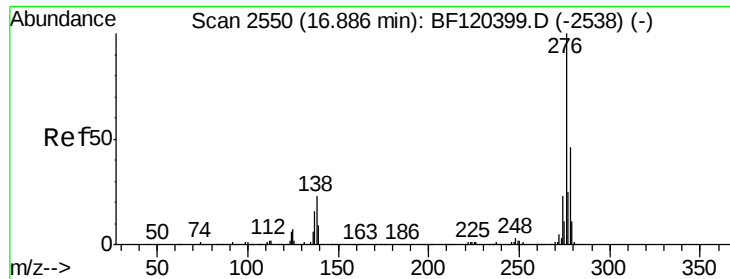
Tot Ion:228 Resp: 137687
Ion Ratio Lower Upper
228 100
226 31.1 25.6 38.4
229 22.8 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BF120538.D
Acq: 4 Jun 2020 17:24

Tgt Ion:264 Resp: 442411
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.4 17.5 26.3

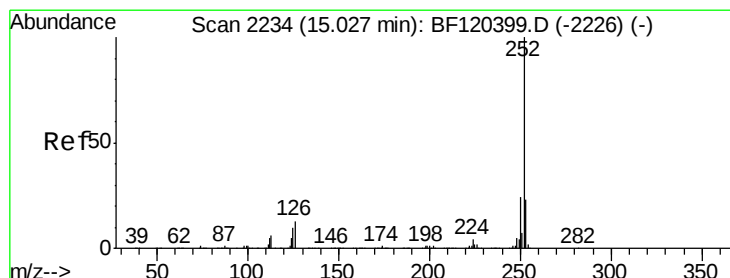
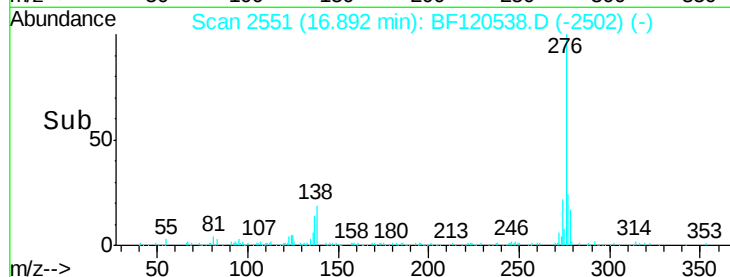
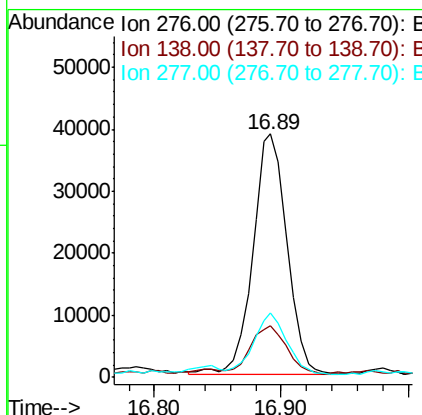
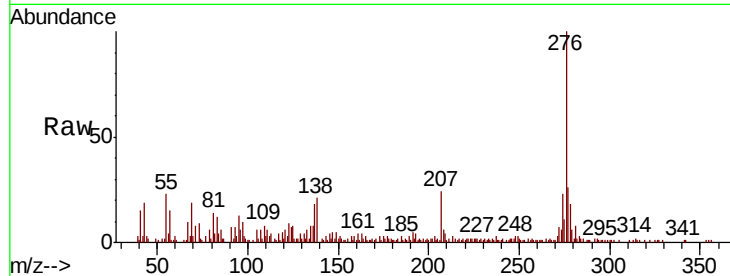




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.987 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF120538.D
 Acq: 4 Jun 2020 17:24

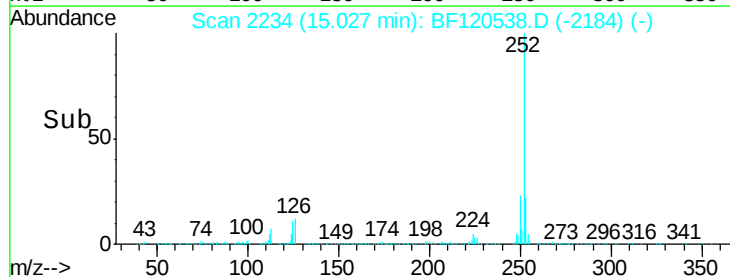
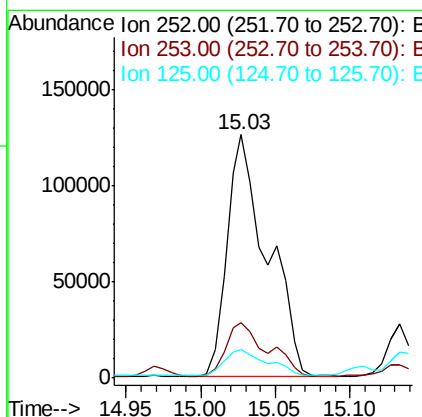
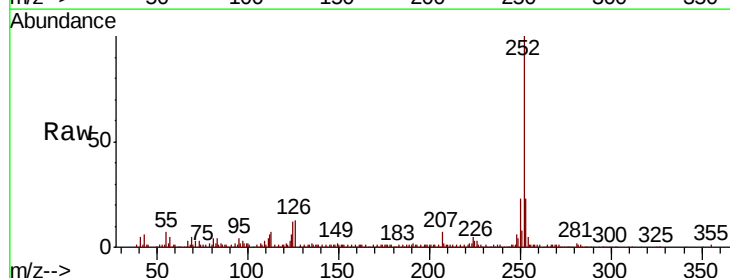
Instrument :
 BNA_F
 ClientSampleId :
 NM20-COMP-2020-0-6

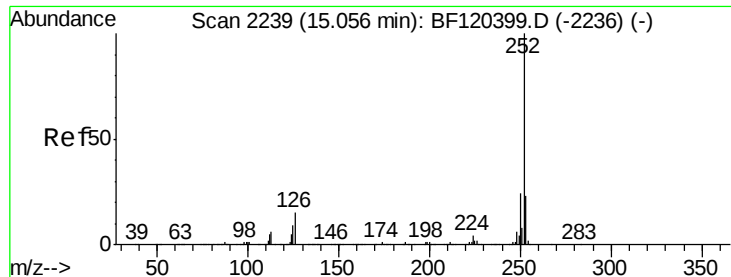
Tot Ion:276 Resp: 72282
 Ion Ratio Lower Upper
 276 100
 138 20.8 19.2 28.8
 277 25.1 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 9.623 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BF120538.D
 Acq: 4 Jun 2020 17:24

Tgt Ion:252 Resp: 236465
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.0 27.0
 125 11.6 8.3 12.5

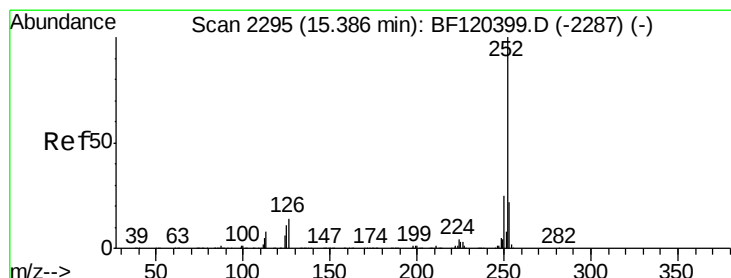
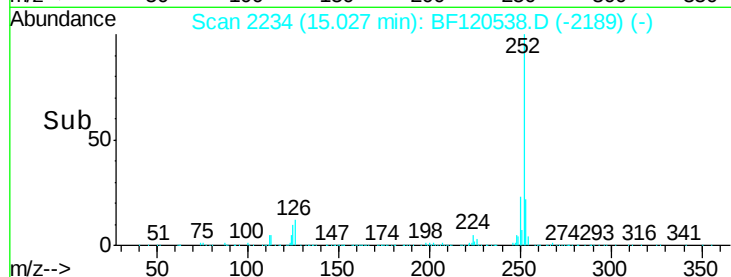
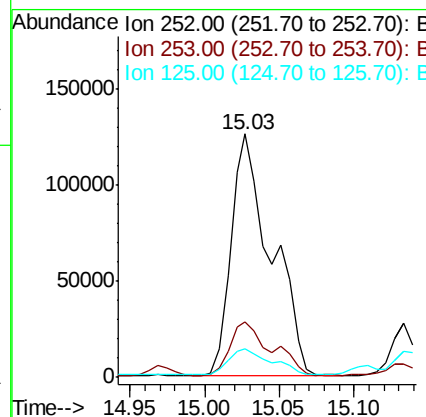
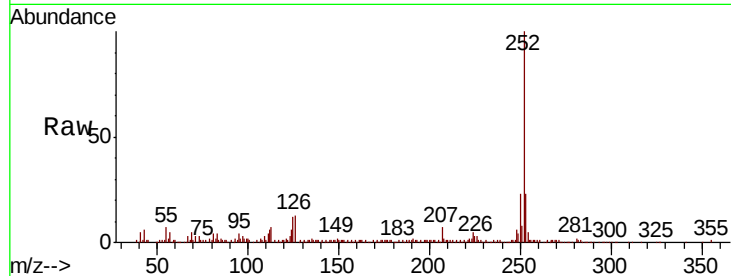




#89
Benzo(k)fluoranthene
Concen: 10.308 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120538.D
Acq: 4 Jun 2020 17:24

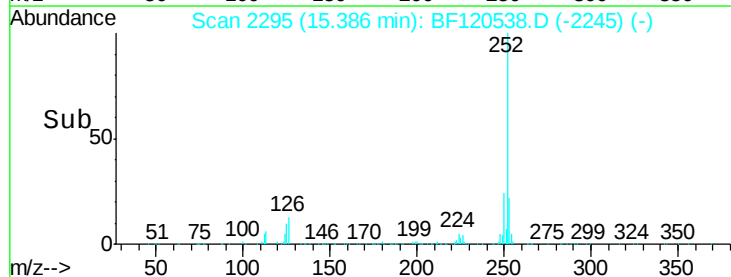
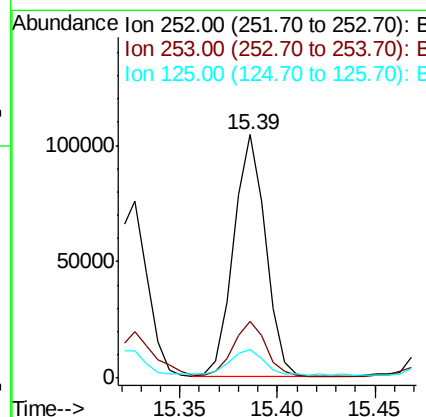
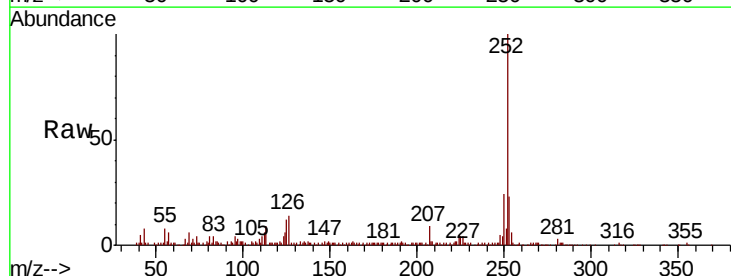
Instrument :
BNA_F
ClientSampleId :
NM20-COMP-2020-0-6

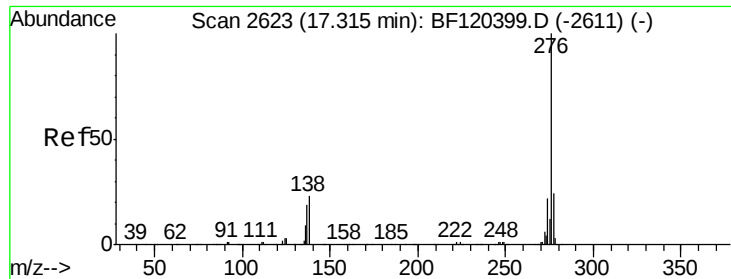
Tot Ion:252 Resp: 236465
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 11.6 8.6 13.0



#90
Benzo(a)pyrene
Concen: 5.504 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF120538.D
Acq: 4 Jun 2020 17:24

Tgt Ion:252 Resp: 118303
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 11.7 9.6 14.4

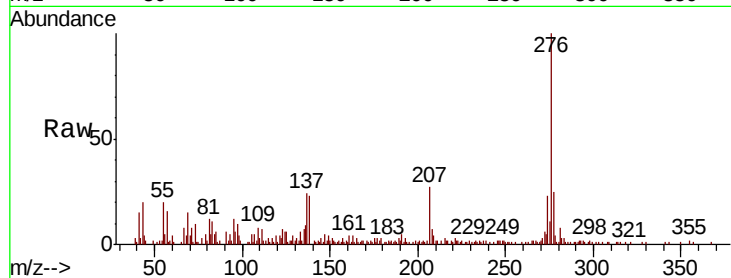




#92
 Benzo(a,h,i)perylene
 Concen: 3.450 ng
 RT: 17.33 min Scan# 2625
 Delta R.T. -0.02 min
 Lab File: BF120538.D
 Acq: 4 Jun 2020 17:24

Instrument :
 BNA_F
 ClientSampleId :
 NM20-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.3	28.9
138	22.7	16.9	25.3



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

