

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120533.D
 Acq On : 4 Jun 2020 15:06
 Operator : JU/CG
 Sample : L2839-14RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM103-COMP-2020-0-6

Quant Time: Jun 04 16:34:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	134553	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	664006	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	325452	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	584368	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	378682	20.00	ng	-0.02
86) Perylene-d12	15.45	264	407953	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	806271	114.20	ng	0.00
7) Phenol-d6	6.46	99	837939	96.29	ng	-0.01
23) Nitrobenzene-d5	7.39	82	514275	50.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	292506	97.00	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1428831	74.49	ng	-0.01
79) Terphenyl-d14	12.94	244	1263636	74.25	ng	-0.01

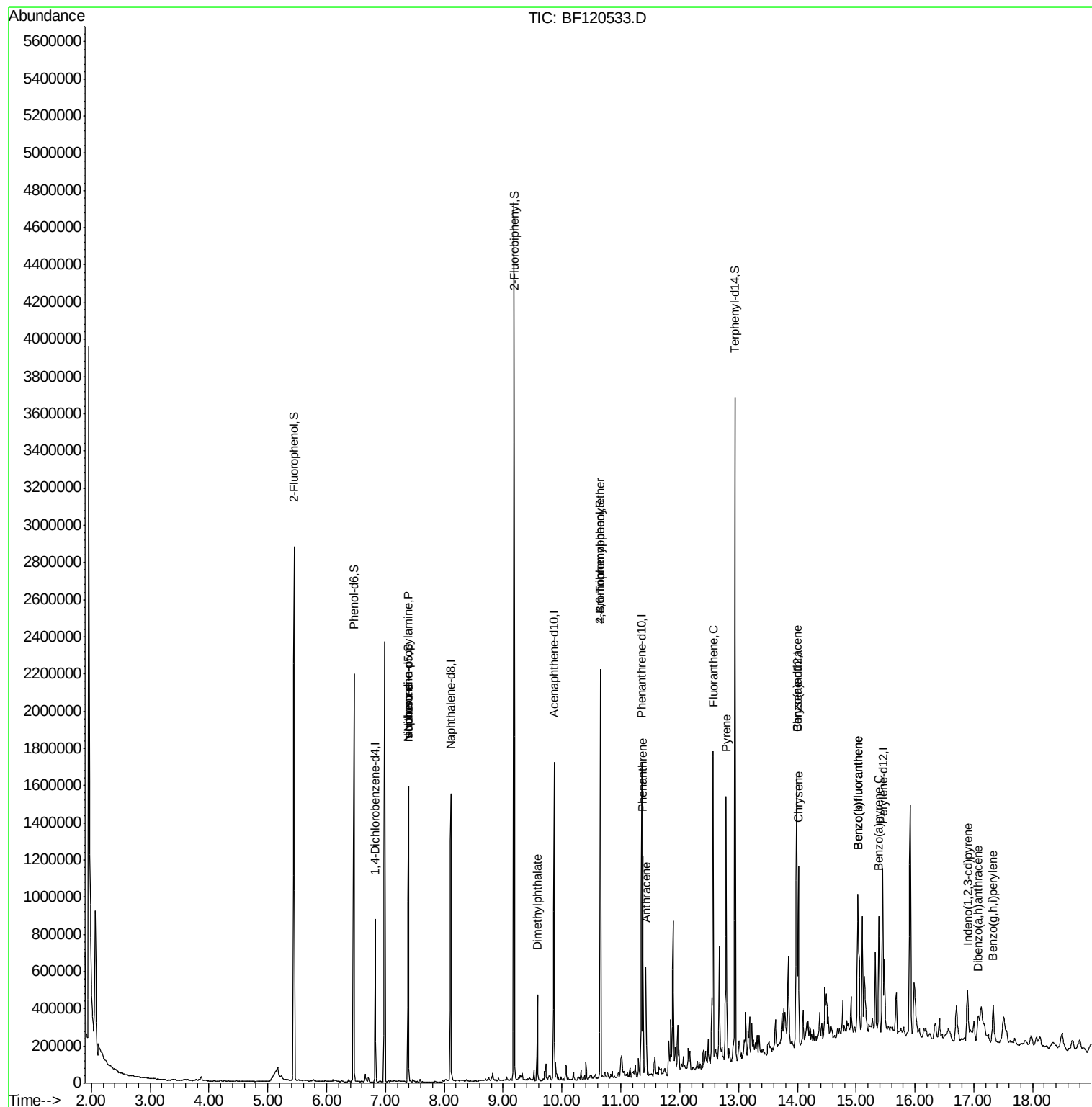
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	69058	12.484	ng	# 78
25) Isophorone	7.39	82	513058	25.147	ng	# 64
50) Dimethylphthalate	9.58	163	187159	9.199	ng	100
67) 4-Bromophenyl-phenylether	10.66	248	17233	2.921	ng	# 1
71) Phenanthrene	11.37	178	381843	14.829	ng	97
72) Anthracene	11.43	178	225308	8.721	ng	98
75) Fluoranthene	12.57	202	714960	25.805	ng	99
78) Pyrene	12.79	202	625835	23.764	ng	98
81) Benzo(a)anthracene	13.99	228	337508	16.630	ng	98
83) Chrysene	14.02	228	393953	18.515	ng	98
87) Indeno(1,2,3-cd)pyrene	16.89	276	189048	8.473	ng	94
88) Benzo(b)fluoranthene	15.03	252	562058	24.805	ng	99
89) Benzo(k)fluoranthene	15.03	252	562058	26.571	ng	98
90) Benzo(a)pyrene	15.39	252	298451	15.058	ng	99
91) Dibenzo(a,h)anthracene	17.07	278	38188	2.099	ng	94
92) Benzo(g,h,i)perylene	17.33	276	166880	9.301	ng	99

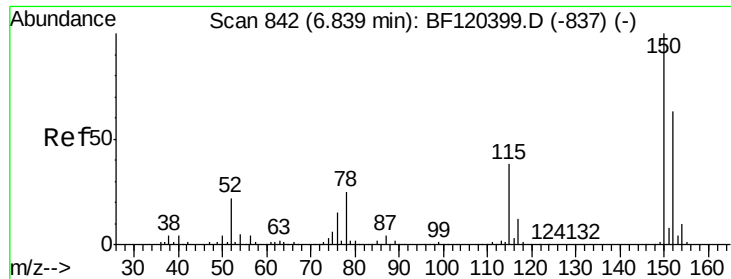
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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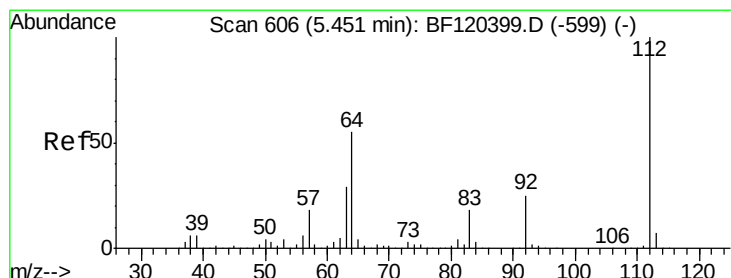
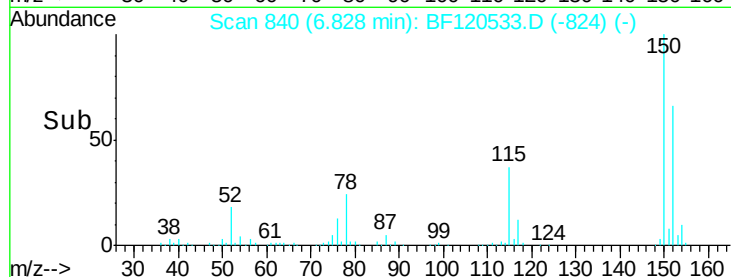
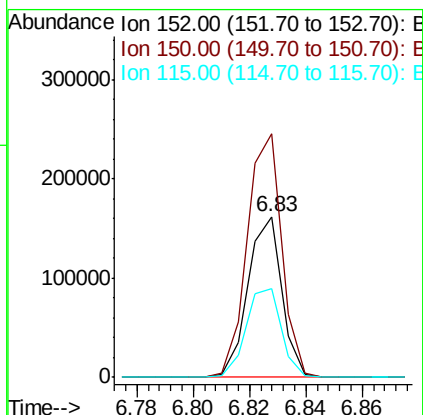
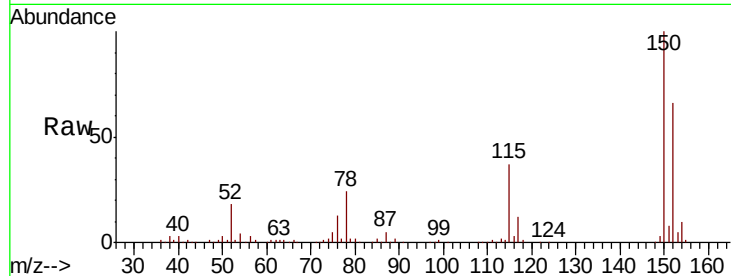


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

Instrument :
BNA_F
ClientSampleId :
NM103-COMP-2020-0-6

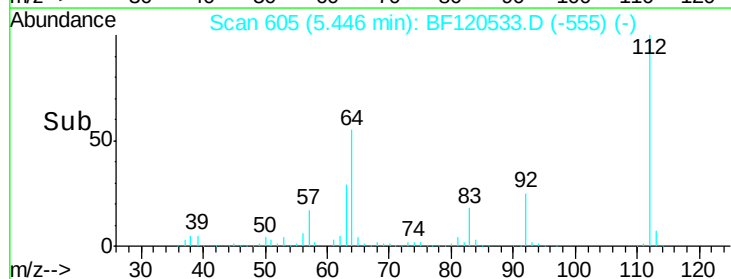
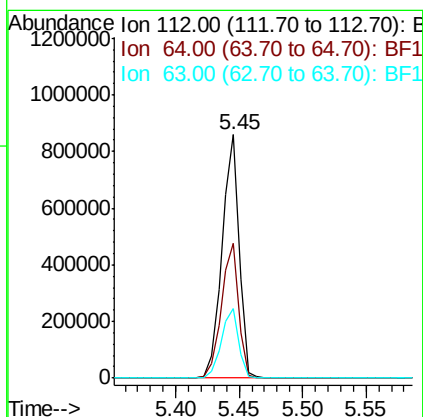
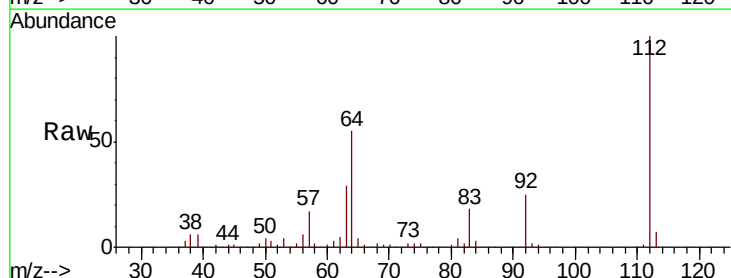
Tot Ion:152 Resp: 134553
Ion Ratio Lower Upper
152 100
150 151.4 127.1 190.7
115 55.3 48.7 73.1

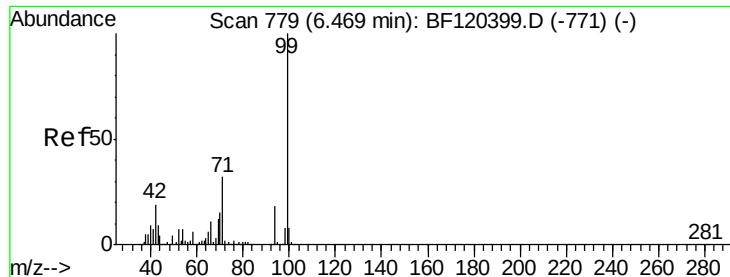


#5

2-Fluorophenol
Concen: 114.197 ng
RT: 5.45 min Scan# 605
Delta R.T. -0.01 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

Tgt Ion:112 Resp: 806271
Ion Ratio Lower Upper
112 100
64 55.1 45.8 68.8
63 28.8 23.7 35.5





#7

Phenol-d6

Concen: 96.288 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120533.D

Acq: 4 Jun 2020 15:06

Instrument :

BNA_F

ClientSampleId :

NM103-COMP-2020-0-6

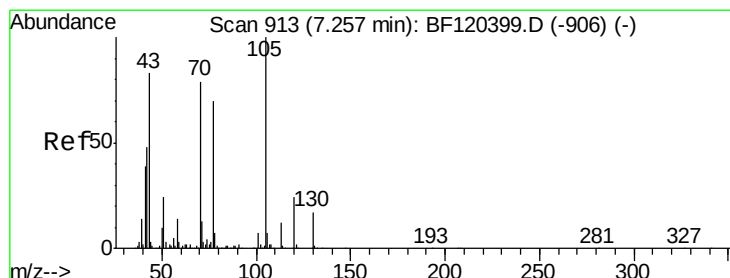
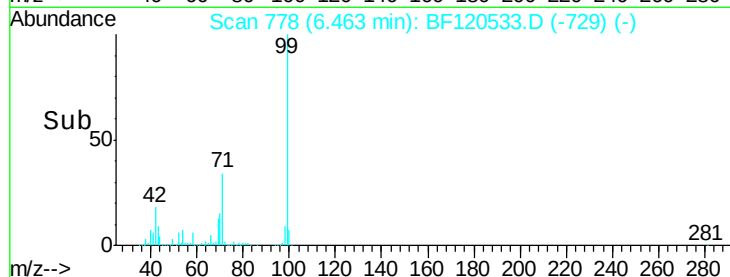
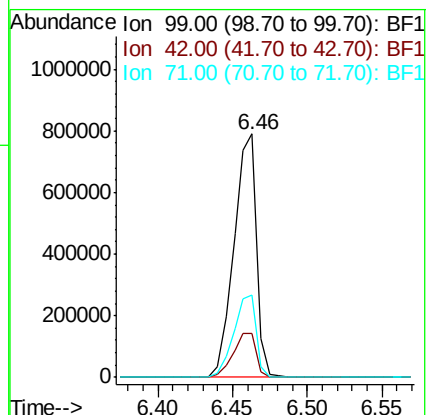
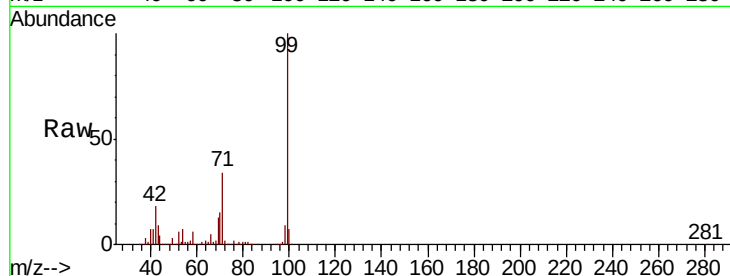
Tot Ion: 99 Resp: 837939

Ion Ratio Lower Upper

99 100

42 18.0 15.0 22.4

71 33.6 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.484 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.13 min

Lab File: BF120533.D

Acq: 4 Jun 2020 15:06

Tgt Ion: 70 Resp: 69058

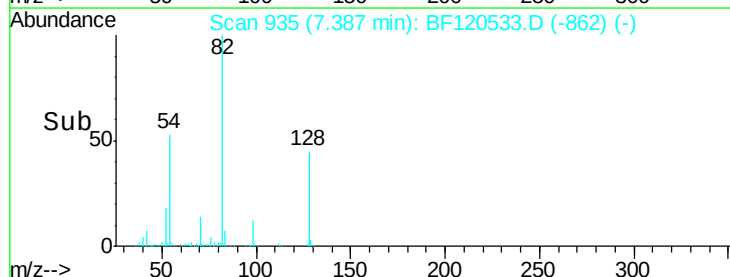
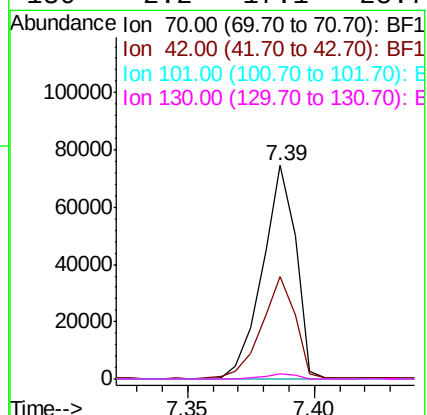
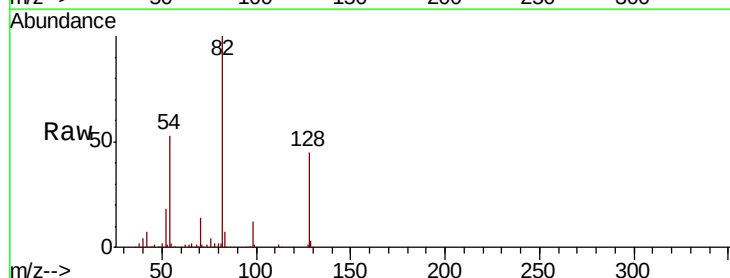
Ion Ratio Lower Upper

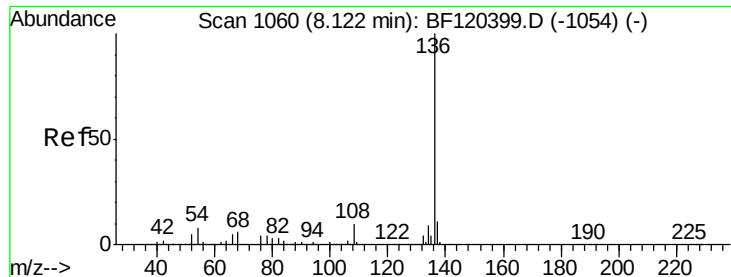
70 100

42 48.0 47.6 71.4

101 0.0 7.4 11.0#

130 2.2 17.1 25.7#

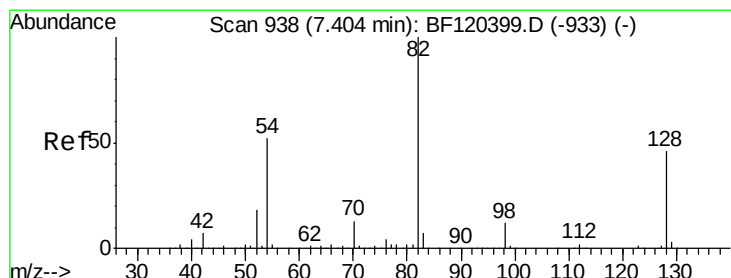
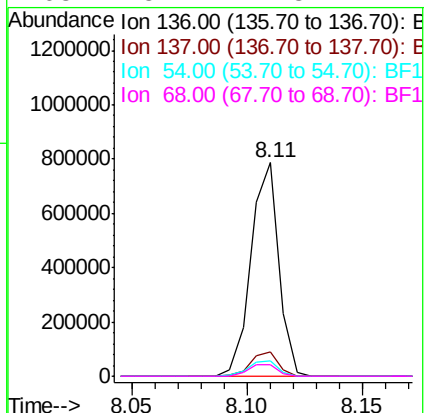
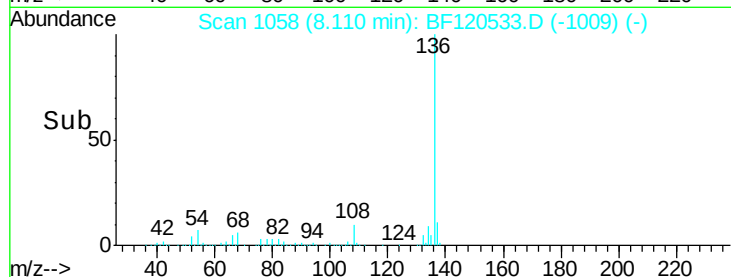
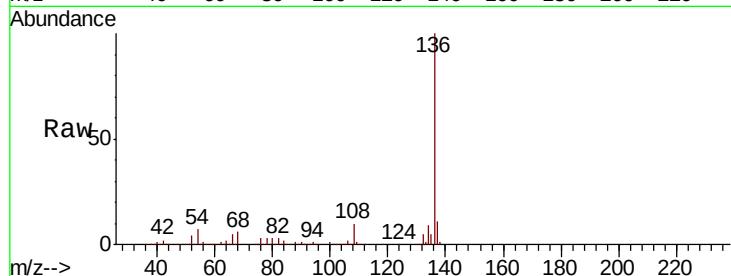




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

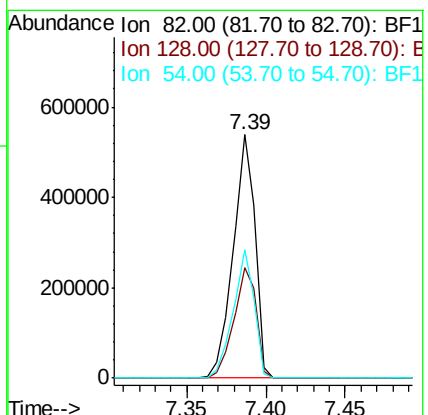
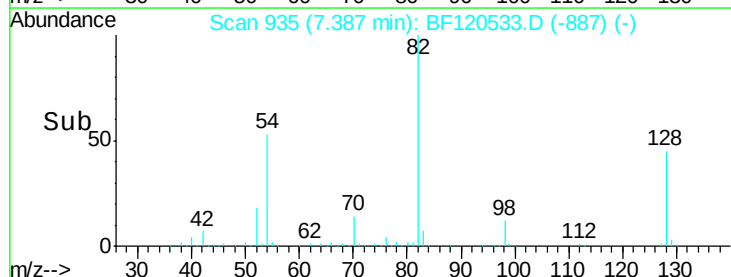
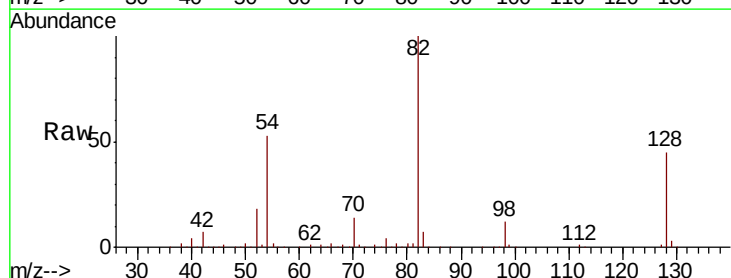
Instrument :
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NM103-COMP-2020-0-6

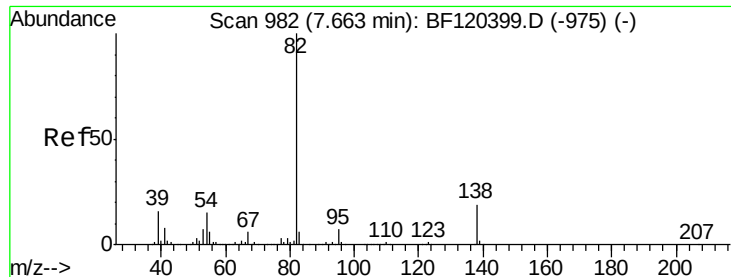
Tot Ion:136	Resp: 664006
Ion Ratio	Lower Upper
136 100	
137 11.2	9.0 13.4
54 7.1	6.0 9.0
68 5.7	4.8 7.2



#23
Nitrobenzene-d5
Concen: 50.663 ng
RT: 7.39 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

Tgt	Ion: 82	Resp:	514275
Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.4	56.0
54	52.5	40.7	61.1





#25

Isophorone

Concen: 25.147 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.28 min

Lab File: BF120533.D

Acq: 4 Jun 2020 15:06

Instrument :

BNA_F

ClientSampleId :

NM103-COMP-2020-0-6

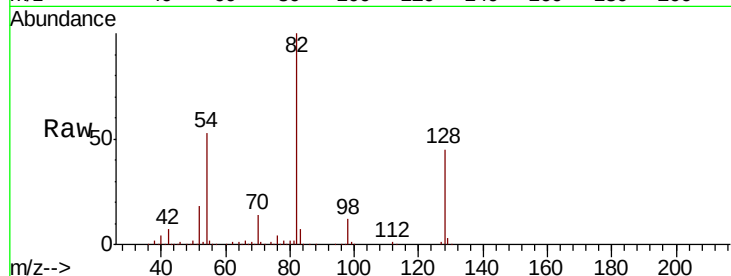
Tot Ion: 82 Resp: 513058

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

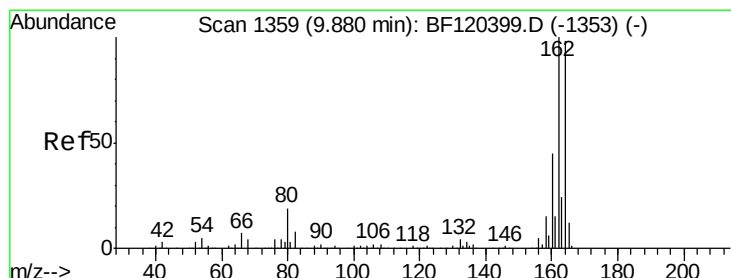
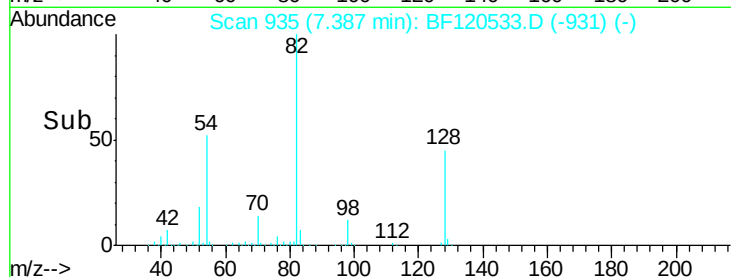
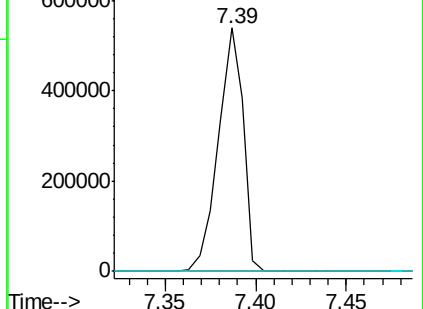
138 0.0 15.0 22.6#



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: 9.86 min Scan# 1356

Delta R.T. -0.02 min

Lab File: BF120533.D

Acq: 4 Jun 2020 15:06

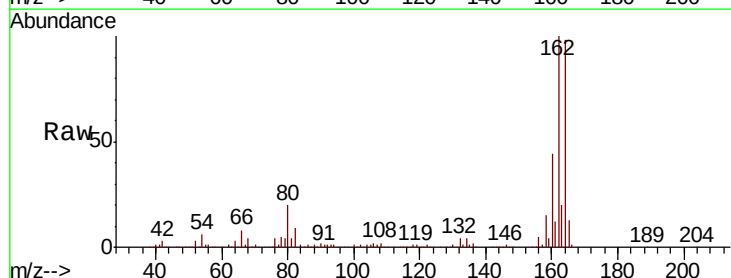
Tgt Ion: 164 Resp: 325452

Ion Ratio Lower Upper

164 100

162 102.5 81.8 122.6

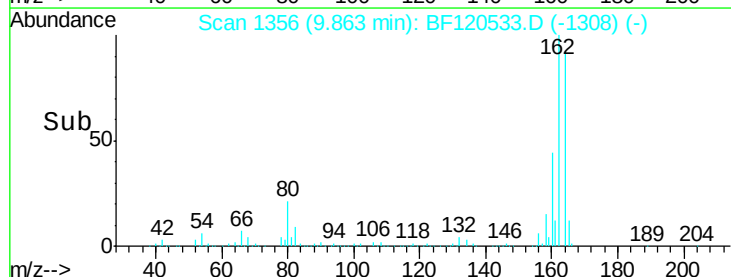
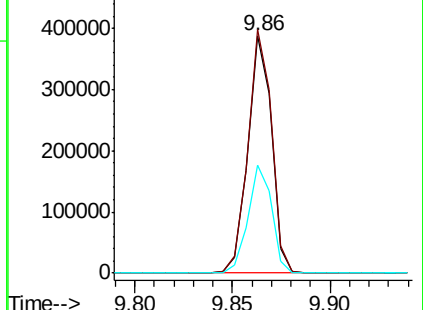
160 45.3 37.3 55.9

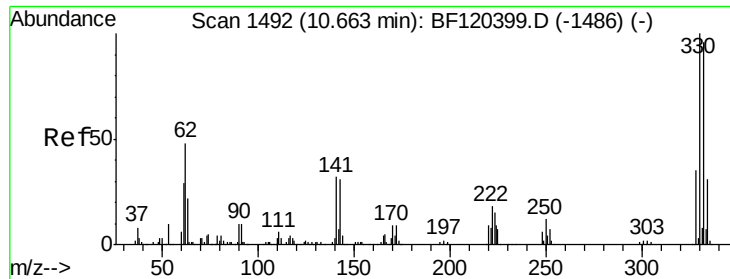


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

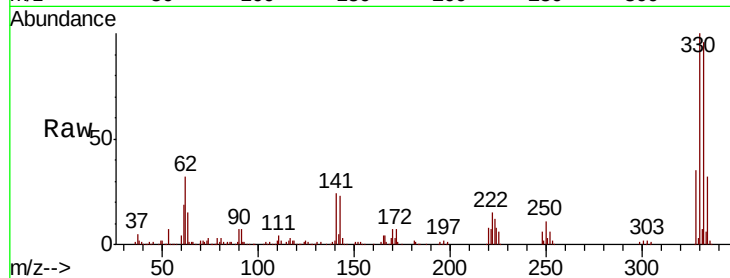




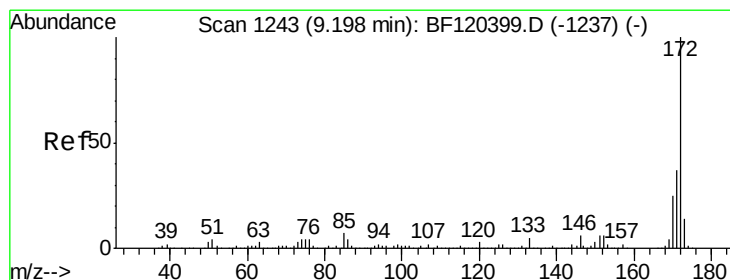
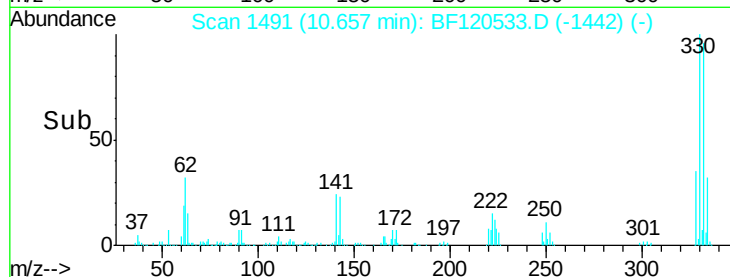
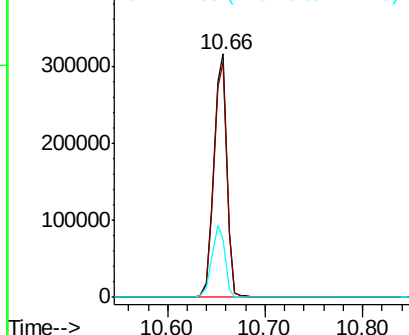
#42
 2,4,6-Tribromophenol
 Concen: 97.002 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120533.D
 Acq: 4 Jun 2020 15:06

Instrument :
 BNA_F
 ClientSampleId :
 NM103-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	29.9	23.5	35.3

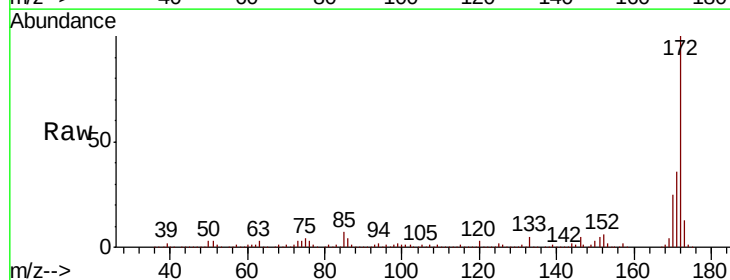


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

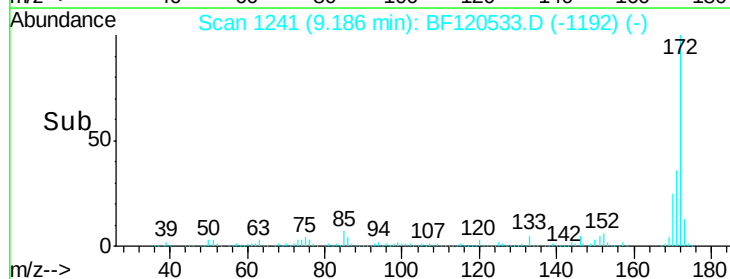
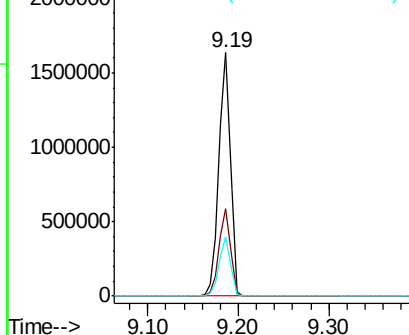


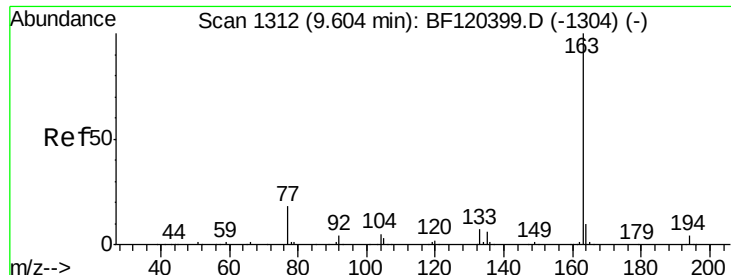
#45
 2-Fluorobiphenyl
 Concen: 74.490 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120533.D
 Acq: 4 Jun 2020 15:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	24.5	20.1	30.1



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

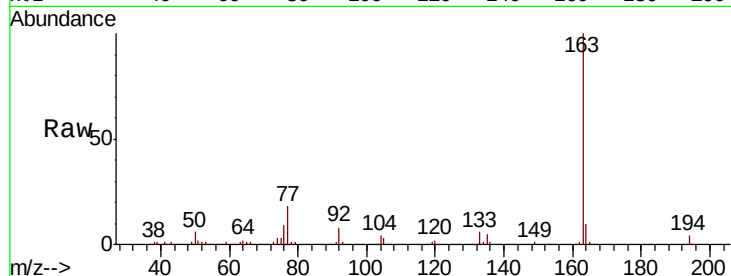




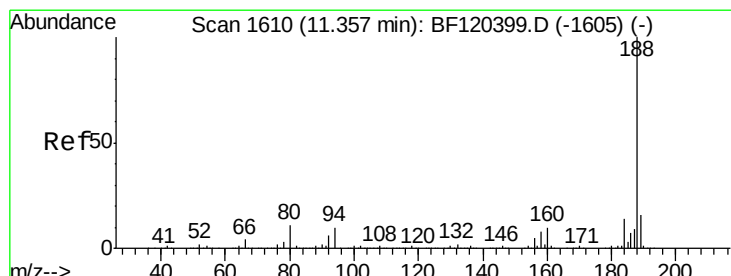
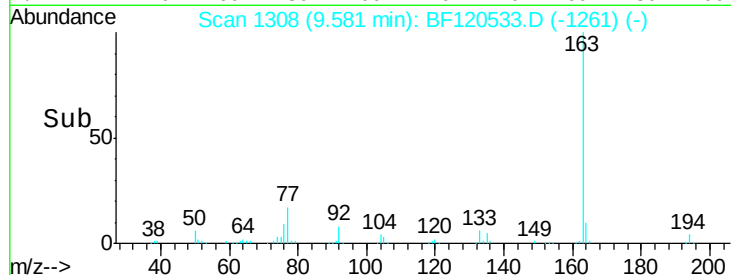
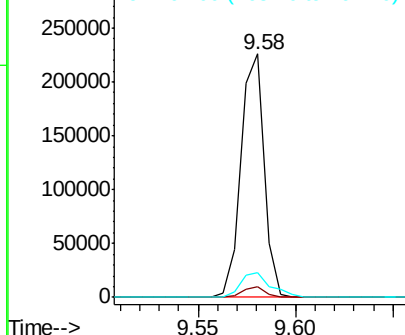
#50
Dimethylphthalate
Concen: 9.199 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

Instrument :
BNA_F
ClientSampleId :
NM103-COMP-2020-0-6

Tot Ion:163 Resp: 187159
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.2 8.2 12.4

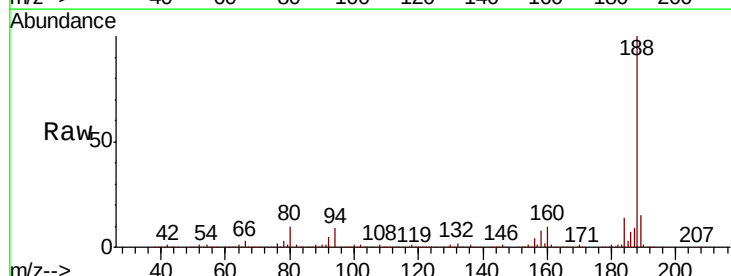


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

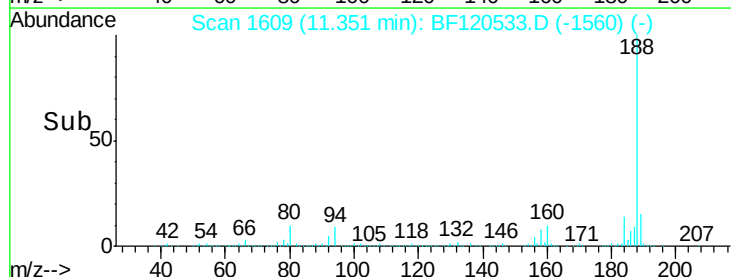
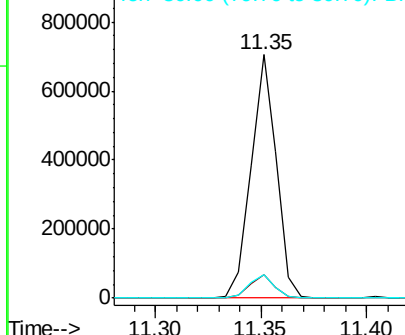


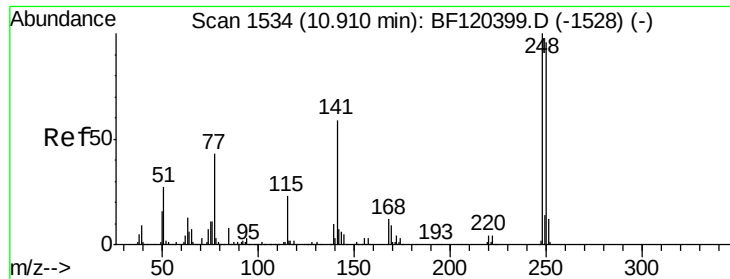
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

Tgt Ion:188 Resp: 584368
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 9.7 7.9 11.9



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

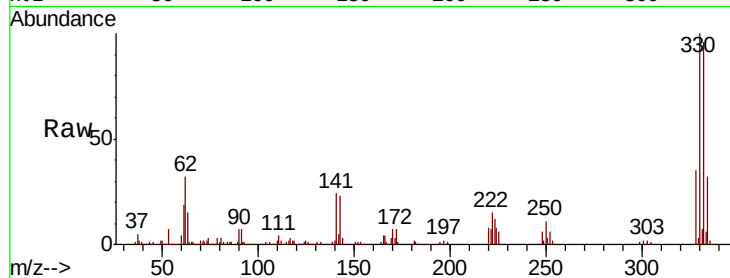




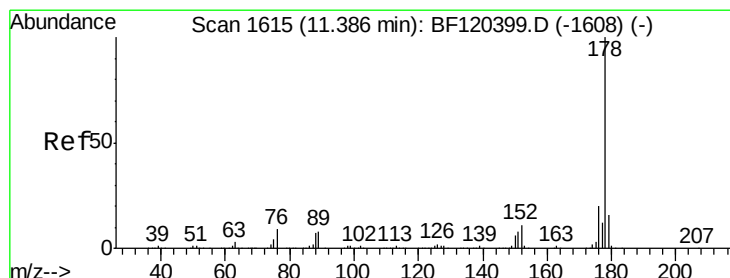
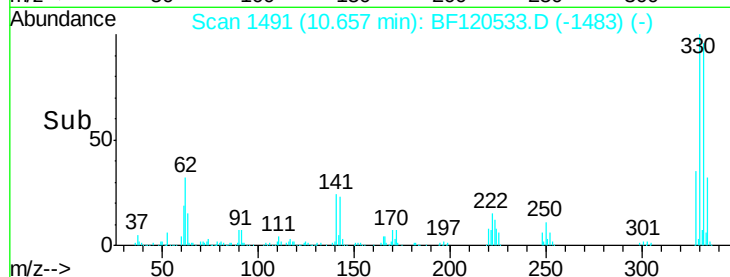
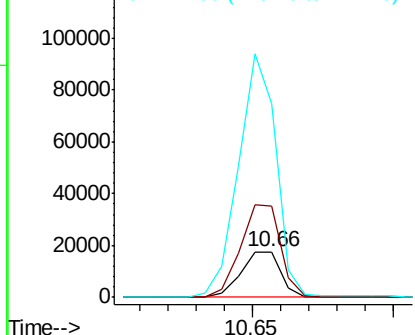
#67
 4-Bromophenyl-phenylether
 Concen: 2.921 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120533.D
 Acq: 4 Jun 2020 15:06

Instrument :
 BNA_F
 ClientSampleId :
 NM103-COMP-2020-0-6

Tot Ion:248 Resp: 17233
 Ion Ratio Lower Upper
 248 100
 250 202.6 78.0 117.0#
 141 429.2 50.3 75.5#

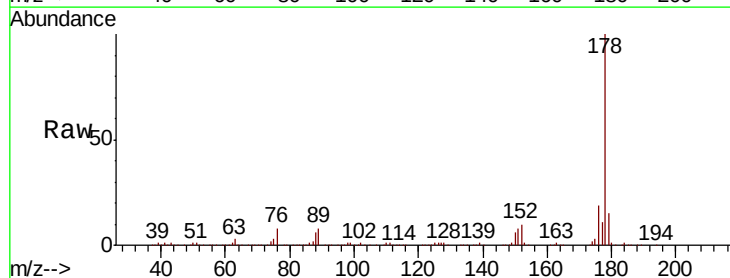


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

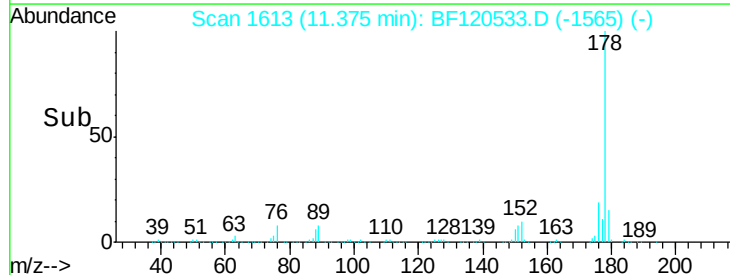
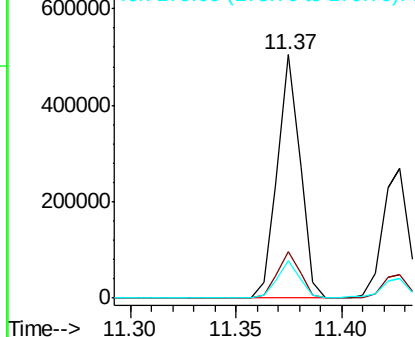


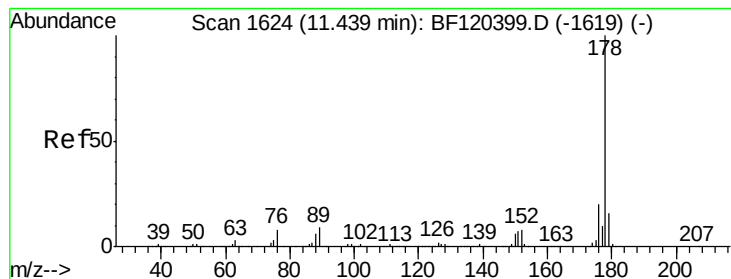
#71
 Phenanthrene
 Concen: 14.829 ng
 RT: 11.37 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF120533.D
 Acq: 4 Jun 2020 15:06

Tgt Ion:178 Resp: 381843
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.6 24.8
 179 15.4 13.0 19.4



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: 8.721 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF120533.D

Acq: 4 Jun 2020 15:06

Instrument :

BNA_F

ClientSampleId :

NM103-COMP-2020-0-6

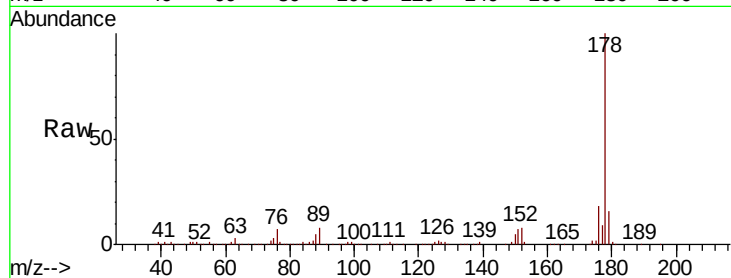
Tot Ion:178 Resp: 225308

Ion Ratio Lower Upper

178 100

176 18.4 15.7 23.5

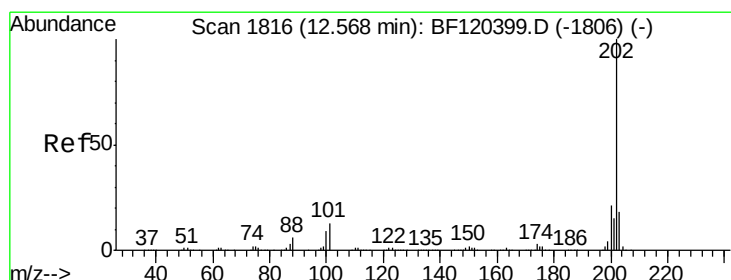
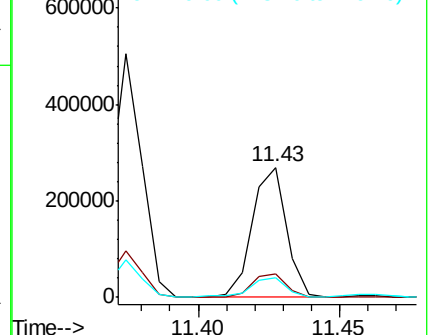
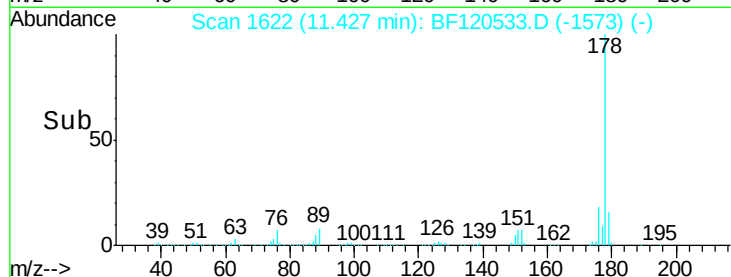
179 15.6 13.1 19.7



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: 25.805 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120533.D

Acq: 4 Jun 2020 15:06

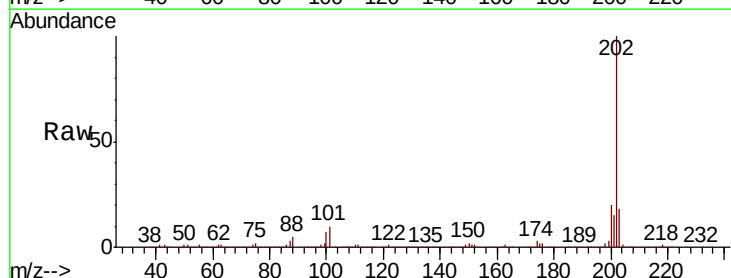
Tgt Ion:202 Resp: 714960

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.4

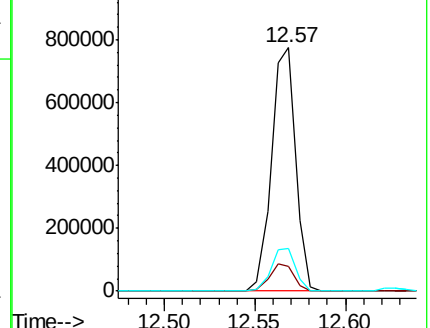
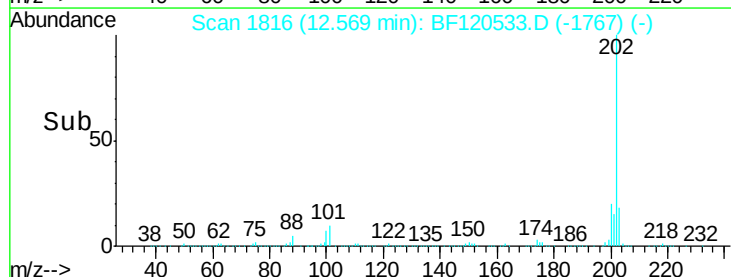
203 17.6 0.0 38.2

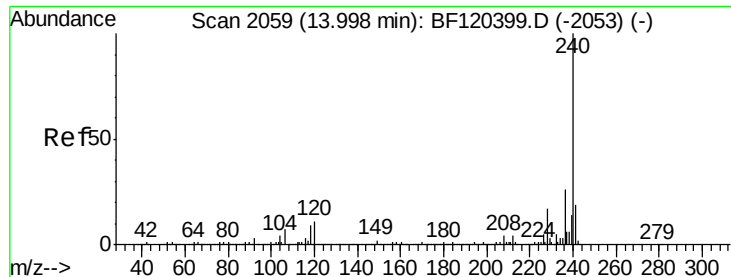


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

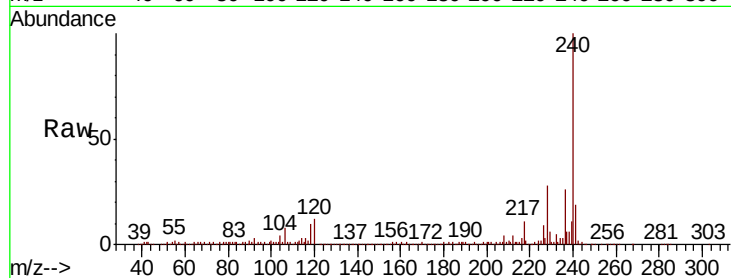




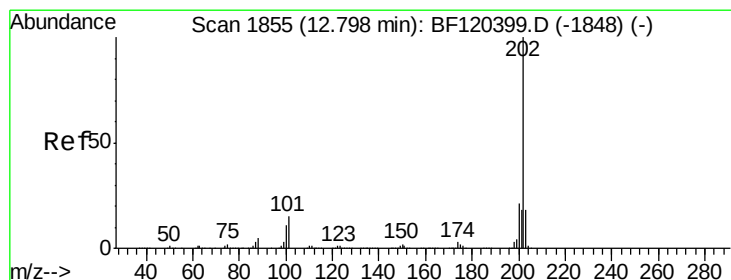
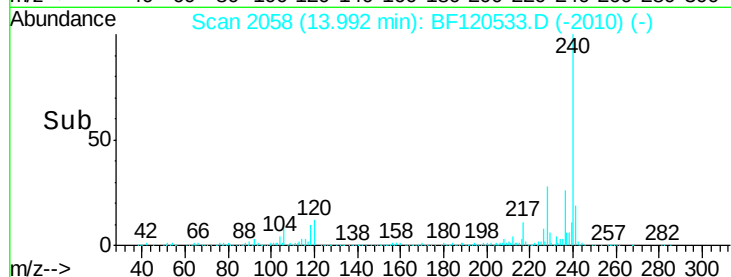
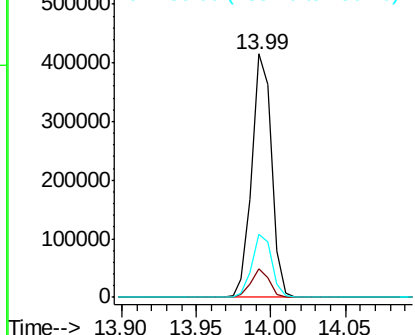
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.02 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

Instrument :
BNA_F
ClientSampleId :
NM103-COMP-2020-0-6

Tot Ion:240 Resp: 378682
Ion Ratio Lower Upper
240 100
120 11.8 7.9 11.9
236 26.1 21.1 31.7

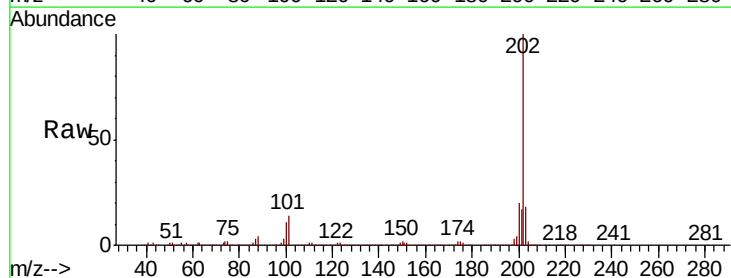


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

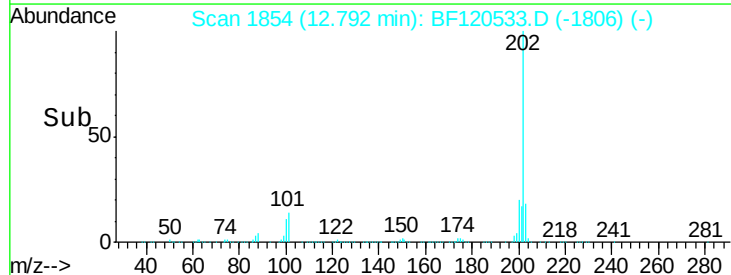
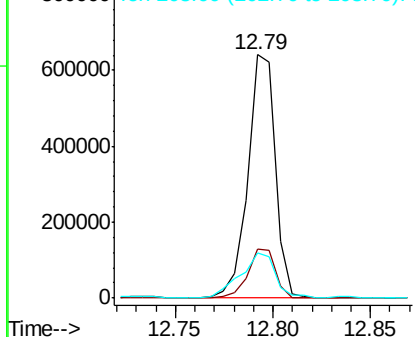


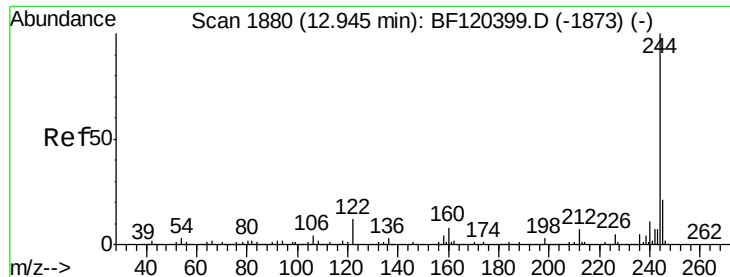
#78
Pyrene
Concen: 23.764 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.02 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

Tgt Ion:202 Resp: 625835
Ion Ratio Lower Upper
202 100
200 20.1 17.3 25.9
203 18.4 14.5 21.7



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: 74.255 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120533.D

Acq: 4 Jun 2020 15:06

Instrument :

BNA_F

ClientSampleId :

NM103-COMP-2020-0-6

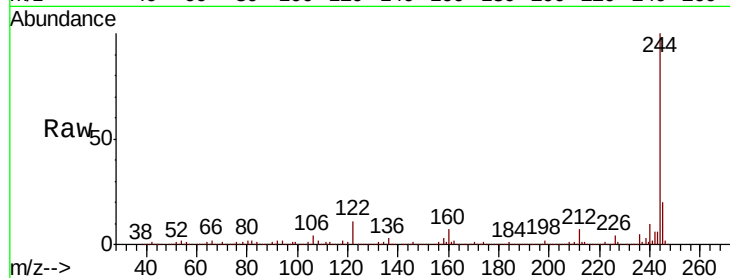
Tot Ion:244 Resp: 1263636

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

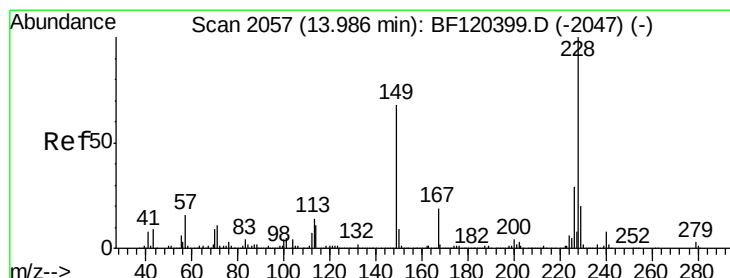
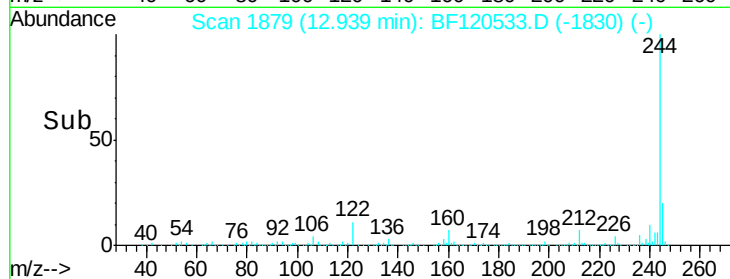
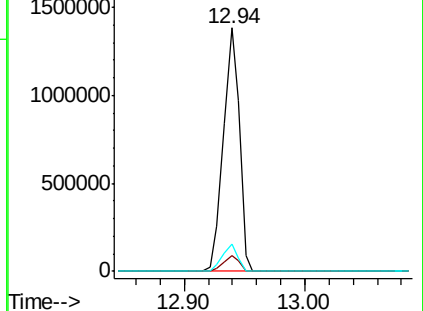
122 11.1 8.2 12.4



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: 16.630 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120533.D

Acq: 4 Jun 2020 15:06

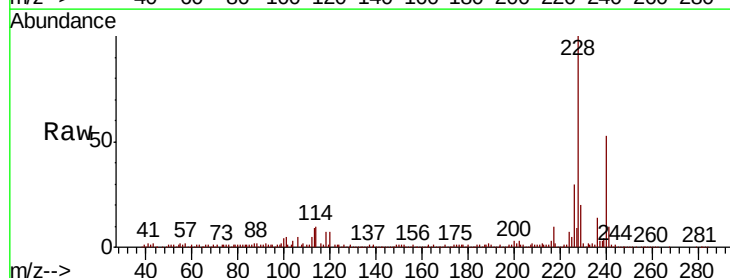
Tgt Ion:228 Resp: 337508

Ion Ratio Lower Upper

228 100

226 29.8 22.7 34.1

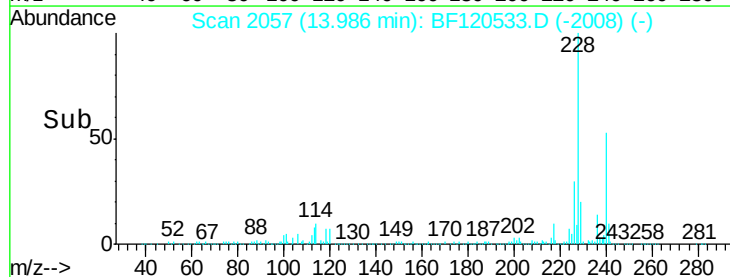
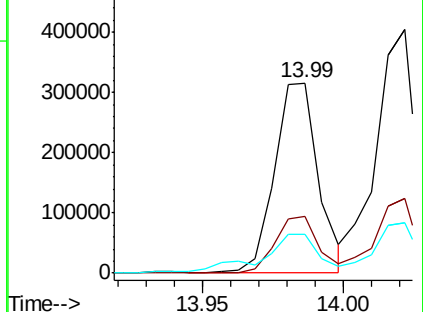
229 20.3 16.3 24.5

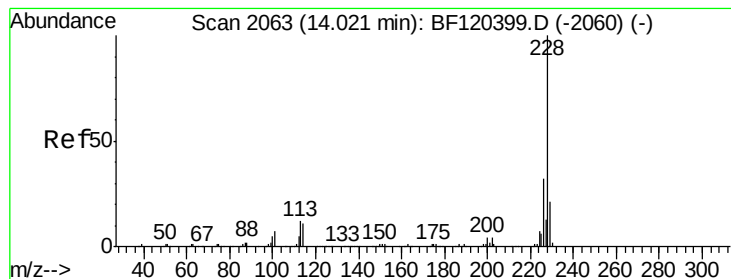


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 18.515 ng

RT: 14.02 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BF120533.D

Acq: 4 Jun 2020 15:06

Instrument :

BNA_F

ClientSampleId :

NM103-COMP-2020-0-6

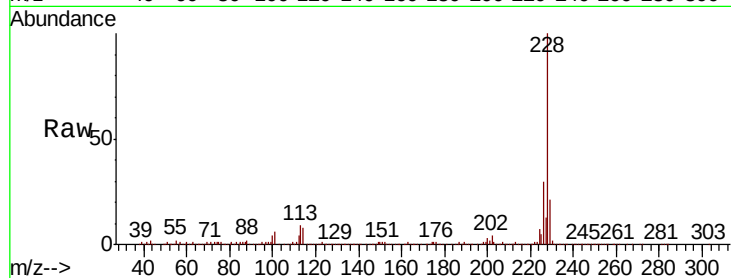
Tot Ion:228 Resp: 393953

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

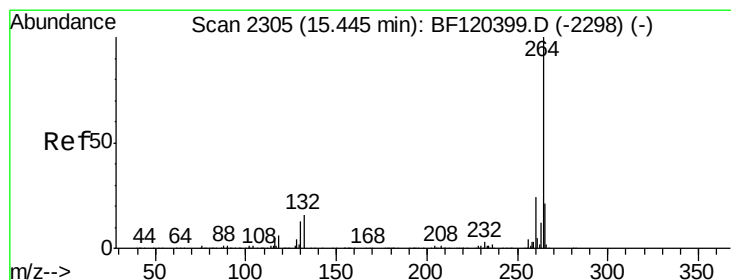
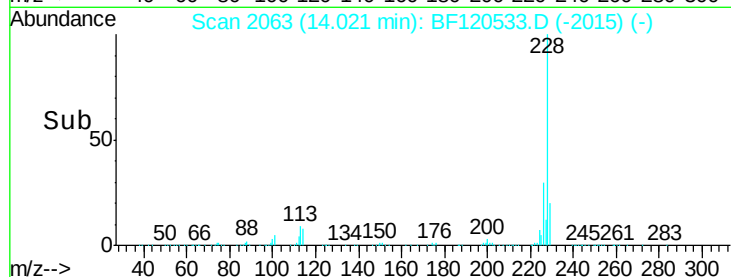
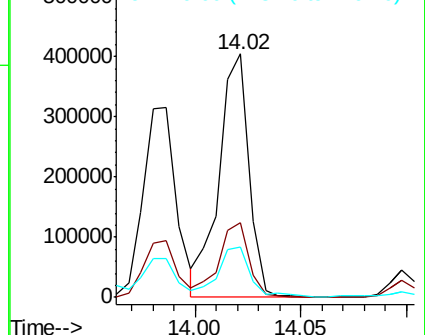
229 20.9 16.1 24.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF120533.D

Acq: 4 Jun 2020 15:06

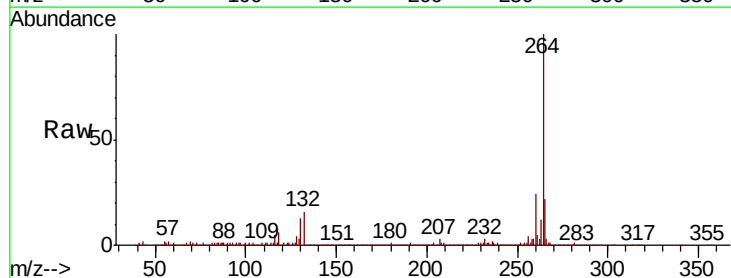
Tgt Ion:264 Resp: 407953

Ion Ratio Lower Upper

264 100

260 23.7 19.8 29.8

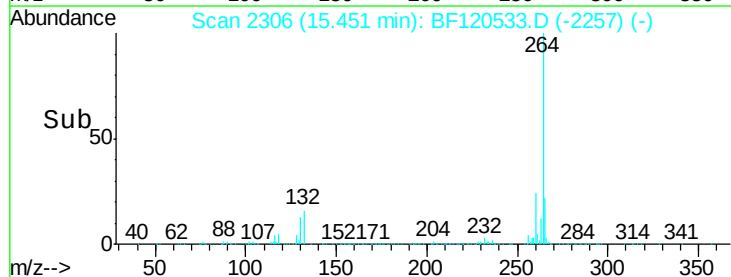
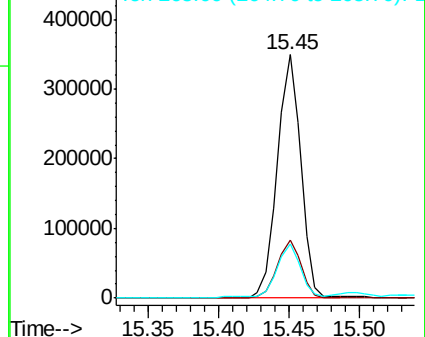
265 22.1 17.5 26.3

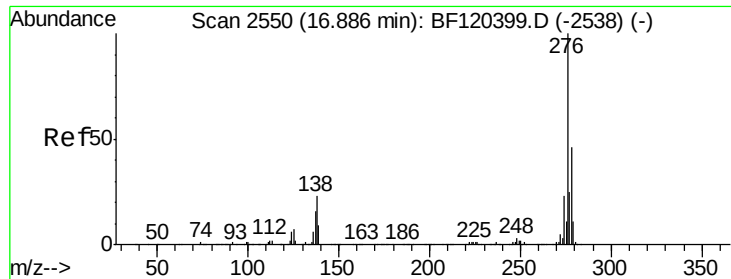


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

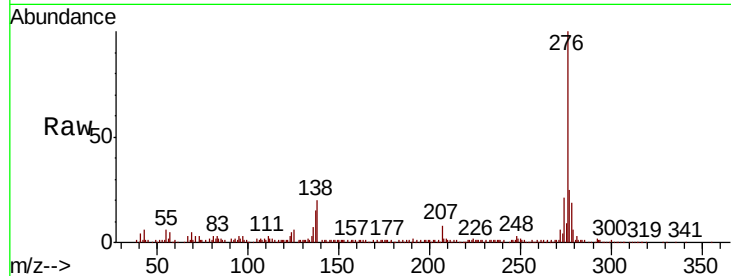




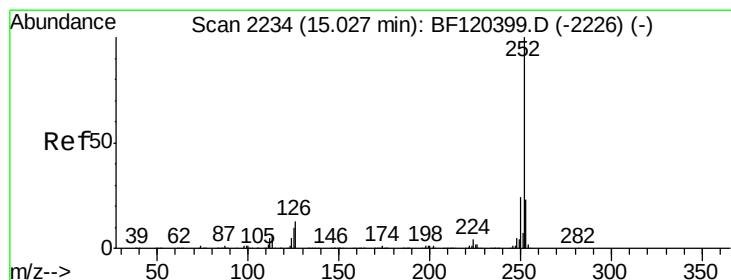
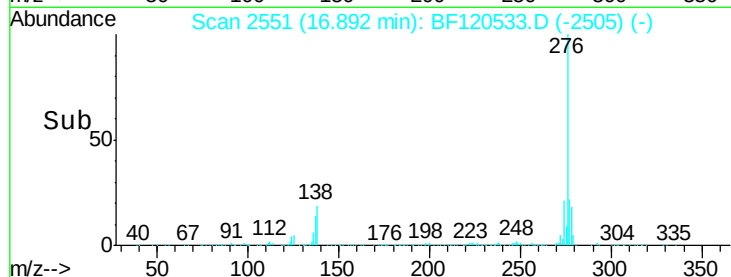
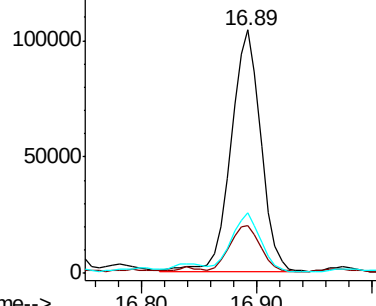
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.473 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.03 min
 Lab File: BF120533.D
 Acq: 4 Jun 2020 15:06

Instrument :
 BNA_F
 ClientSampleId :
 NM103-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.2	28.8
277	23.8	20.4	30.6

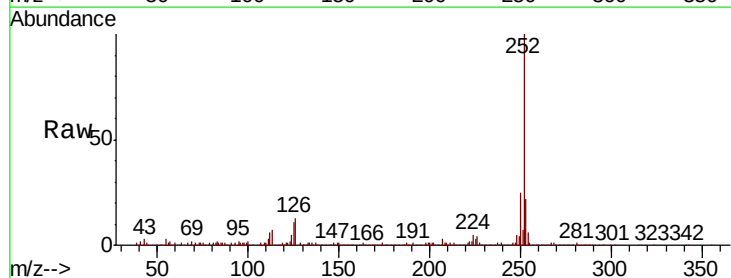


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

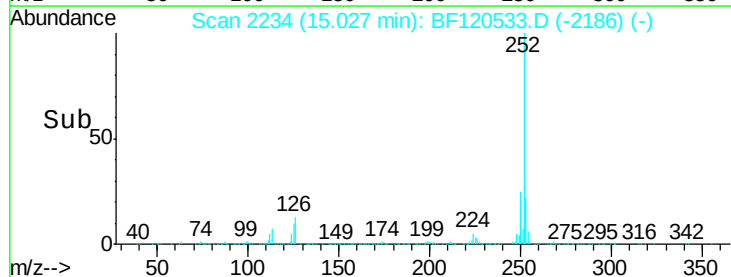
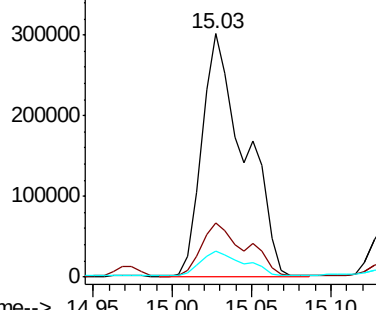


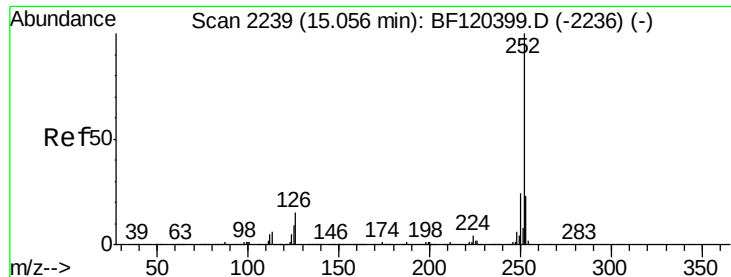
#88
 Benzo(b)fluoranthene
 Concen: 24.805 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF120533.D
 Acq: 4 Jun 2020 15:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	10.6	7.6	11.4



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

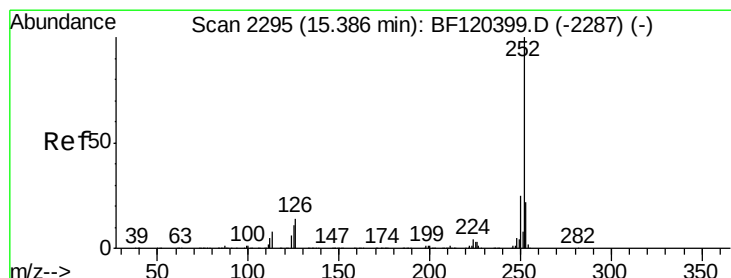
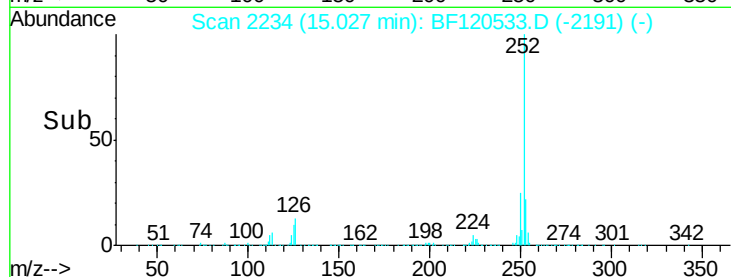
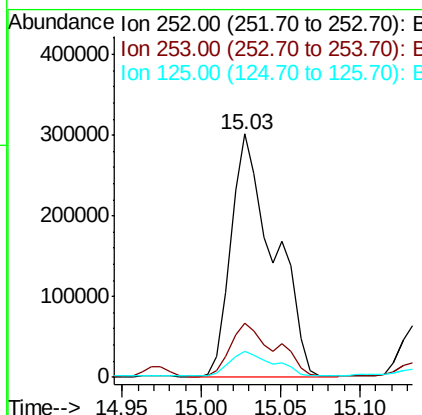
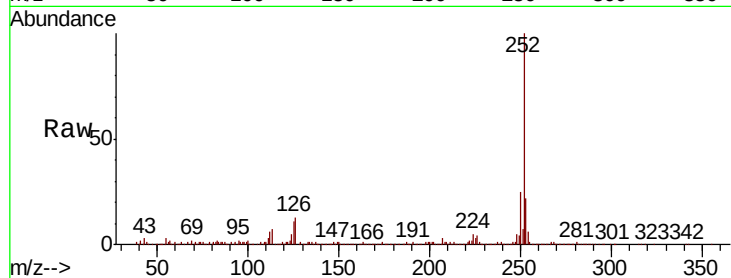




#89
Benzo(k)fluoranthene
Concen: 26.571 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

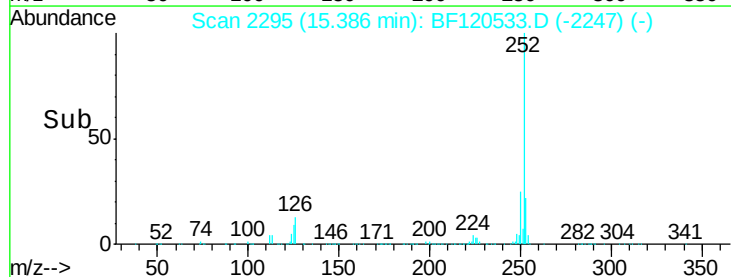
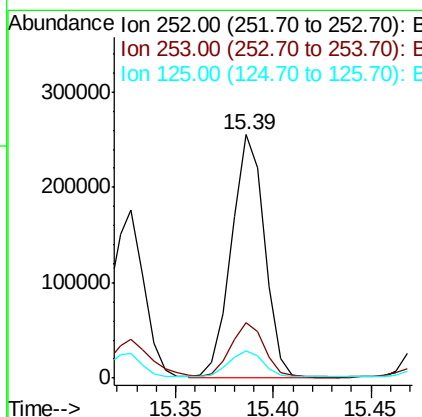
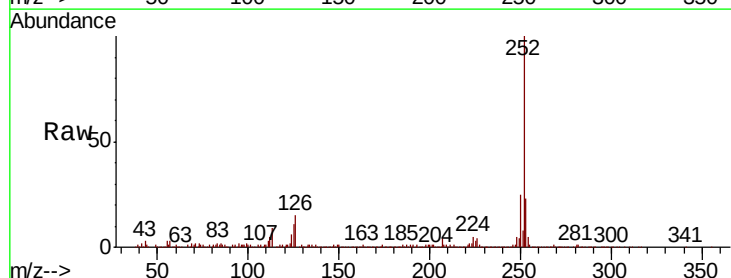
Instrument :
BNA_F
ClientSampleId :
NM103-COMP-2020-0-6

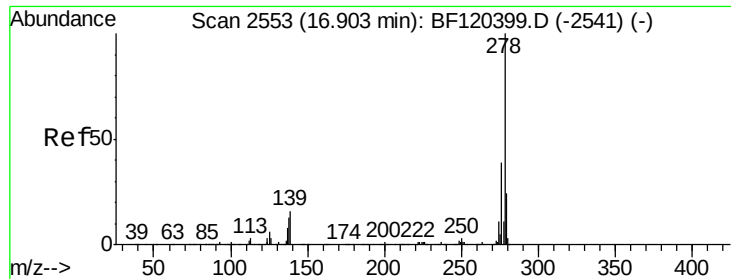
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	10.6	7.5	11.3



#90
Benzo(a)pyrene
Concen: 15.058 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	11.1	9.2	13.8

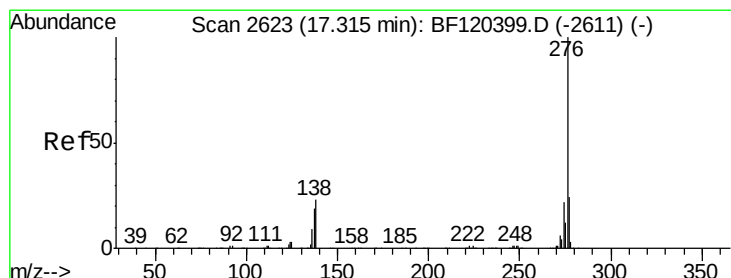
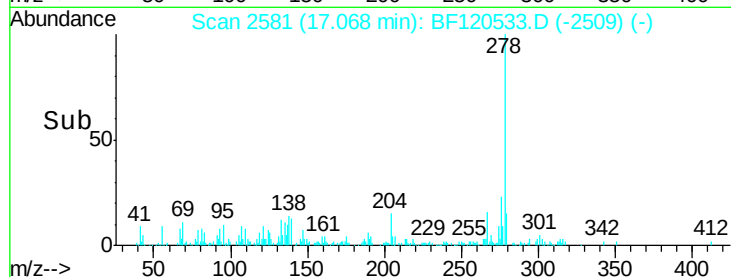
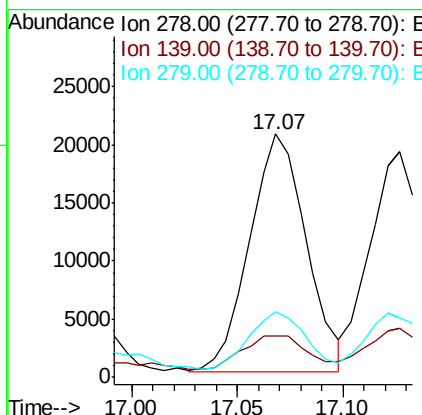
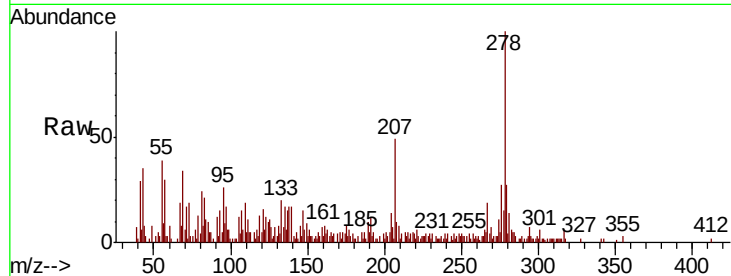




#91
Dibenzo(a,h)anthracene
Concen: 2.099 ng
RT: 17.07 min Scan# 2581
Delta R.T. 0.12 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

Instrument :
BNA_F
ClientSampleId :
NM103-COMP-2020-0-6

Tot Ion:278 Resp: 38188
Ion Ratio Lower Upper
278 100
139 16.8 11.6 17.4
279 27.0 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 9.301 ng
RT: 17.33 min Scan# 2625
Delta R.T. -0.04 min
Lab File: BF120533.D
Acq: 4 Jun 2020 15:06

Tgt Ion:276 Resp: 166880
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.2
138 21.6 16.6 25.0

